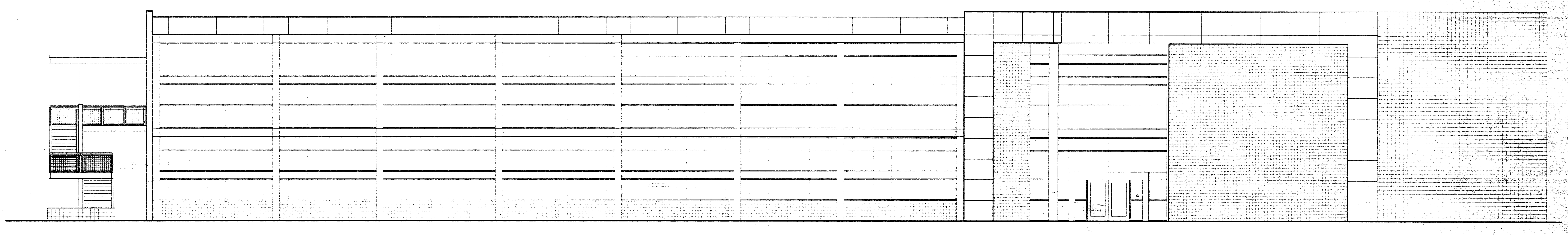

COMPTON COMMUNITY COLLEGE HEALTH + SAFETY MATH-SCIENCE BUILDING

MARCH 6th, 1998

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Architects • Engineers • Planners

JGM

LICENSED ARCHITECT
MORRIS R. POINDEXTER
C.13300
3-31-99
RENEWAL DATE
STATE OF CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT
OF GENERAL SERVICES
APR 3 1998
DIVISION OF THE
ARCHITECT
EGULATION
L.A.

F19-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL 69120

AC DM FLS EM SS [illegible]
DATE 3-20-98

SHEET NO.

G0.0

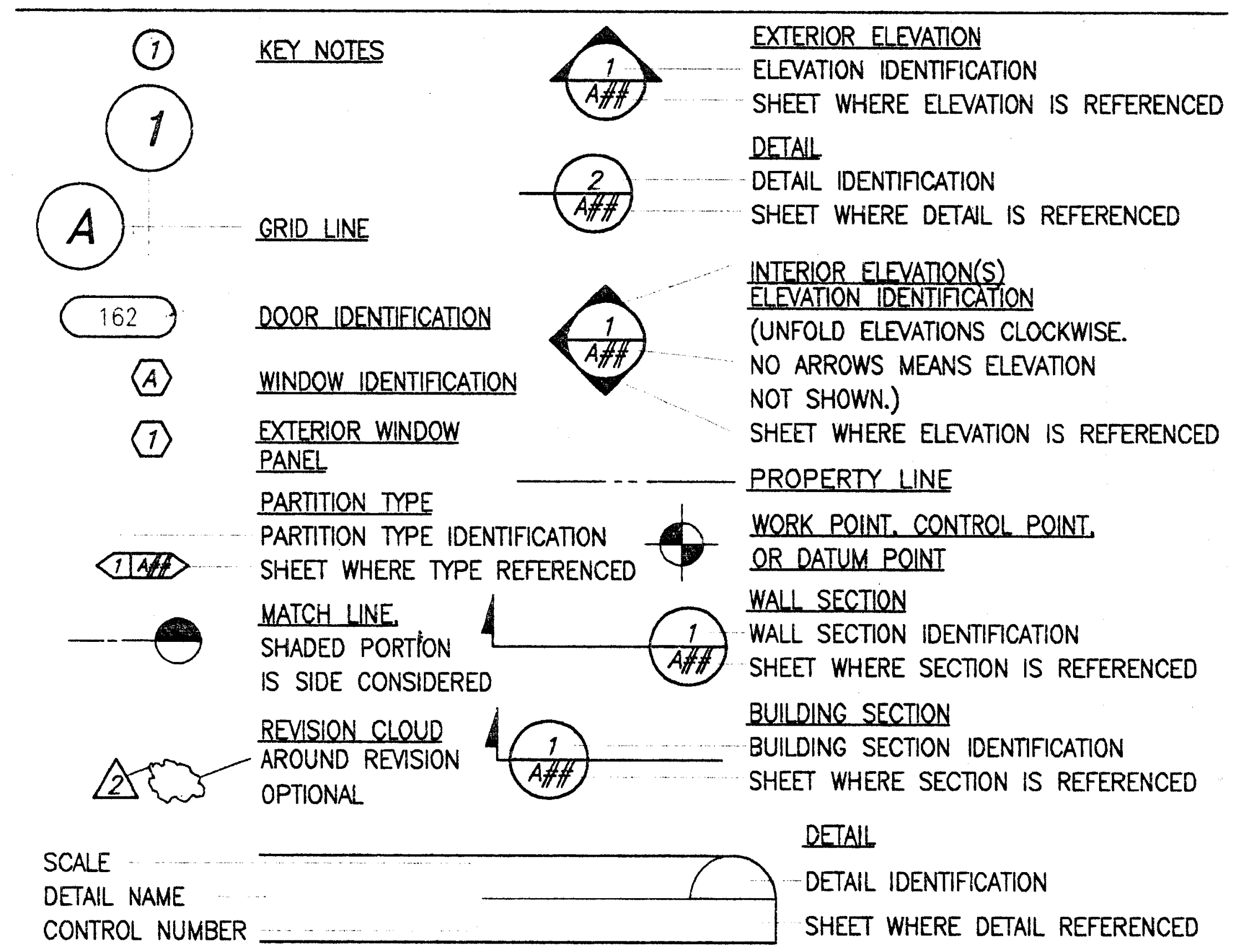
OF ______ SHEETS

ABBREVIATIONS

∠	ANGLE
℄	CENTERLINE
C	CHANNEL
d	PENNY
⊥	PERPENDICULAR
PL	PLATE
ø	ROUND
ABV	ABOVE
AFF	ABOVE FINISH FLOOR
ASC	ABOVE SUSPENDED CEILING
ACC	ACCESS
ACB	ACCESSIBLE
ACFL	ACCESS FLOOR
AP	ACCESS PANEL
AC	ACOUSTICAL
ACPL	ACOUSTICAL PLASTER
ACT	ACOUSTICAL TILE
ACR	ACRYLIC PLASTIC
ADD	ADDENDUM
ADH	ADHESIVE
ADJ	ADJACENT
ADJT	ADJUSTABLE
AGG	AGGREGATE
A/C	AIR CONDITIONING
ALT	ALTERNATE
AL	ALUMINUM
ANC	ANCHOR, ANCHORAGE
AB	ANCHOR BOLT
ANOD	ANODIZED
APX	APPROXIMATE
ARCH	ARCHITECT (URAL)
AD	AREA DRAIN
ASB	ASBESTOS
ASPH	ASPHALT
AC	ASPHALT CONCRETE
AT	ASPHALT TILE
AUTO	AUTOMATIC
BP	BACK PLASTER (ED)
BSMT	BASEMENT
BRG	BEARING
BPL	BEARING PLATE
BJT	BED JOINT
BM	BENCH MARK
BEL	BELOW
BET	BETWEEN
BVL	BEVELED
BIT	BITUMINOUS
BLK	BLOCK
BLKG	BLOCKING
BD	BOARD
BS	BOTH SIDES
BW	BOTH WAYS
BOT	BOTTOM
BRK	BRICK
BRZ	BRONZE
BLDG	BUILDING
BUR	BUILT UP ROOF
BBD	BULLETIN BOARD
CAB	CABINET
CAD	CADMIUM
CPT	CARPET (ED)
CSMT	CASEMENT
CI	CAST IRON
CIPC	CAST-IN-PLACE CONCRETE
CST	CAST STONE
CB	CATCH BASIN
CK	CALK (ING) CAULK (ING)
CLG	CEILING
CHT	CEILING HEIGHT
CEM	CEMENT
PCPL	CEMENT PLASTER (PORTLAND)
CM	CENTIMETER(S)
CER	CERAMIC
CT	CERAMIC TILE
CMT	CERAMIC MOSAIC (TILE)
CHBD	CHALKBOARD
CHAM	CHAMFER
CR	CHROMIUM (PLATED)
CIR	CIRCLE
CIRC	CIRCUMFERENCE
CLR	CLEAR (ANCE)
CLS	CLOSURE
COL	COLUMN
COMB	COMBINATION
COMPT	COMPARTMENT
COMPO	COMPOSITION/COMPOSITE
COMP	COMPRESS(ED),(ION),(IBLE)
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CX	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS/CONTINUE
CONTR	CONTRACT (OR)
CLL	CONTRACT LIMIT LINE
CJT	CONTROL JOINT
CPR	COPPER
CG	CORNER GUARD
CORR	CORRIDOR
CTR	CENTER
CFL	COUNTERFLASHING
CS	COUNTERSINK
CTSK	COUNTERSUNK SCREW
CRS	COURSE (S)
CRG	CROSS GRAIN
CFT	CU. FT.
CYD	CUBIC YARD
DPR	DAMPER
DP	DAMPPROOFING
DL	DEAD LOAD
DEM	DEMOLISH, DEMOLITION
DMT	DEMOUNTABLE
DEP	DEPRESSED
DTL	DETAIL
DIAG	DIAGONAL
DIAM	DIAMETER
DIM	DIMENSION
DPR	DISPENSER
DIV	DIVISION
DR	DOOR
DA	DOUBLE ACTING
DH	DOUBLE HUNG
DTA	DOVETAIL ANCHOR
DTS	DOVETAIL ANCHOR SLOT
DS	DOWNSPOUT
D	DRAIN
DRB	DRAINBOARD
DT	DRAIN TILE
DWR	DRAWER
DWG	DRAWING
DF	DRINKING FOUNTAIN
DWY	DRIVEWAY
DW	DUMBWAITER
DIP	DUCTILE IRON PIPE
EF	EACH FACE
E	EAST
ELEC	ELECTRIC (AL)
EP	ELECTRICAL PANELBOARD
EWC	ELECTRICAL WATER COOLER
EL	ELEVATION
ELEV	ELEVATOR
EMER	EMERGENCY
ENC	ENCLOSE (URE)
EQ	EQUAL
EQP	EQUIPMENT
ESC	ESCALATOR
EST	ESTIMATE
EXCA	EXCAVATE
EXH	EXHAUST
EX	EXISTING
EXMP	EXPANDING METAL PLATE
EB	EXPANSION BOLT
EXP	EXPOSED AND EXPANSION
EXT	EXTERIOR
EXS	EXTRA STRONG
FB	FACE BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FF	FACTORY FINISH
FAS	FASTEN, FASTENER
FN	FENCE
FBD	FIBERBOARD
FGL	FIBERGLASS
FIN	FINISH (ED)
FFE	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LINE
FG	FINISH GRADE
FS	FINISH SURFACE
FA	FIRE ALARM
FBRK	FIRE BRICK
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHS	FIRE HOSE STATION
FH	FIRE HYDRANT
FPL	FIREPLACE
FP	FIREPROOF
FRC	FIRE-RESISTANT COATING
FRT	FIRE-RETARDANT
FLG	FLASHING
FHMS	FLATHEAD MACHINE SCREW
FHWS	FLATHEAD WOOD SCREW
FLX	FLEXIBLE
FLR	FLOOR (ING)
FLCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FL	FLOW LINE
FLUR	FLUORESCENT
FJT	FLUSH JOINT
FTG	FOOTING
FRG	FORGED
FND	FOUNDATION
FR	FRAME (D), (ING)
FRA	FRESH AIR
FS	FULL SIZE
FBO	FURNISHED BY OTHERS
FUR	FURRED (ING)
FUT	FUTURE
GA	GAGE, GAUGE
GV	GALVANIZED
GI	GALVANIZED IRON
GP	GALVANIZED PIPE
GSS	GALVANIZED STEEL SHEET
G	GAS
GKT	GASKET (ED)
GC	GENERAL CONTRACT (OR)
GL	GLASS, GLAZING
GLB	GLASS BLOCK
GLF	GLASS FIBER
GCMU	GLAZED CONCRETE MASONRY UNITS
GST	GLAZED STRUCTURAL TILE
GB	GRAB BAR
GD	GRADE, GRADING
GDB	GRADE BREAK
GRN	GRANITE
GVL	GRAVEL
GF	GROUND FACE
GT	GROUT
GPDW	GYPSUM DRY WALL
GPL	GYPSUM LATH
GPPL	GYPSUM PLASTER
GPT	GYPSUM TILE
HH	HANDHOLE
HBD	HARDBOARD
HDW	HARDWARE
HWD	HARDWOOD
HJT	HEAD JOINT
HDR	HEADER
HTG	HEATING
HVAC	HEATING/VENTILATING/ AIR CONDITIONING
HD	HEAVY DUTY
HT	HEIGHT
HX	HEXAGONAL
HES	HIGH EARLY-STRENGTH CEMENT
HP	HIGH POINT
HC	HOLLOW CORE
HM	HOLLOW METAL
HK	HOOK (S)
HOR	HORIZONTAL
HB	HOSE BIBB
HWH	HOT WATER HEATER
INCIN	INCINERATOR
INCL	INCLUDE (D), (ING)
ID	INSIDE DIAMETER
INS	INSULATE (D), (ION)
INSC	INSULATING CONCRETE
INSF	INSULATING FILL
INT	INTERIOR
ILK	INTERLOCK
INTM	INTERMEDIATE
INV	INVERT
IPS	IRON PIPE SIZE
JC	JANITOR'S CLOSET
JT	JOINT
JF	JOINT FILLER
J	JOIST
KCPL	KEENE'S CEMENT PLASTER
KPL	KICKPLATE
KIT	KITCHEN
KO	KNOCKOUT
LBL	LABEL
LAB	LABORATORY
LAD	LADDER
LB	LAG BOLT
LAM	LAMINATED (D)
LAV	LAVATORY
LH	LEFT HAND
L	LENGTH
LT	LIGHT
LC	LIGHT CONTROL
LP	LIGHTPROOF
LW	LIGHT WEIGHT
LWC	LIGHTWEIGHT CONCRETE
LMS	LIMESTONE
LTL	LINTEL
LL	LIVE LOAD
LVR	LOUVER
LPT	LOW POINT
MB	MACHINE BOLT
MI	MALLEABLE IRON
MH	MANHOLE
MFR	MANUFACTURE (ER)
MRB	MARBLE
MAS	MASONRY
MO	MASONRY OPENING
MTL	MATERIAL (S)
MAX	MAXIMUM
MECH	MECHANIC (AL)
MC	MEDICINE CABINET
MED	MEDIUM
MBR	MEMBER
MMB	MEMBRANE
MET	METAL
MFD	METAL FLOOR DECKING
MTFR	METAL FURRING
MRD	METAL ROOF DECKING
MTHR	METAL THRESHOLD
M	METER (S)
MM	MILLIMETER (S)
MWK	MILLWORK
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MOD	MODULAR
MLD	MOLDING, MOULDING
MR	MOP RECEPTOR
MTO	MOUNT (ED), (ING)
MOV	MOVABLE
MUL	MULLION
NL	NAILABLE
NAT	NATURAL
NI	NICKEL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NOM	NOMINAL
NMT	NONMETALLIC
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OBS	OBSCURE
OC	ON CENTER
OP	OPAQUE
OPG	OPENING
OJ	OPEN -WEB JOIST
OPP	OPPISITE
OD	OUTSIDE DIAMETER
OHMS	OVALHEAD MACHINE SCREW
OHWS	OVALHEAD WOOD SCREW
OA	OVERALL
OH	OVERHEAD
PNT	PAINT (ED)
PNL	PANEL
PTD	PAPER TOWEL DISPENSER
PTR	PAPER TOWEL RECEPTOR
PAR	PARALLEL
PK	PARKING
PBD	PARTICLE BOARD
PTN	PARTITION
PV	PAVE (D), (ING)
PVMT	PAVEMENT
PED	PEDESTAL
PERF	PERFORATE (D)
PERI	PERIMETER
PLAS	PLASTER
PLAM	PLASTIC LAMINATE
PL	PLATE
PG	PLATE GLASS
PWD	PLYWOOD
PT	POINT
PVC	POLYVINYL CHLORIDE
PE	PORCELAIN ENAMEL
PTC	POST TENSIONED CONC
PCF	POUNDS/CUBIC FOOT
PFL	POUNDS/LINEAL FOOT
PSF	POUNDS/SQUARE FOOT
PSI	POUNDS/SQUARE INCH
PCC	PORTLAND CEMENT CONC
PC	PRECAST CONCRETE
PFB	PREFABRICATE (D)
PFN	PREFINISHED
PRF	PREFORMED
PSC	PRESTRESSED CONCRETE
P.L.	PROPERTY LINE
OT	QUARRY TILE
RBT	RABBET, REBATE
RAD	RADIUS
RL	RAIL (ING)
RWC	RAINWATER CONDUCTOR
REF	REFERENCE
RFL	REFLECT (ED), (IVE), (OR)
REFR	REFRIGERATOR
REG	REGISTER
RE	REINFORCE (D), (ING)
RCP	REINFORCED CONCRETE PIPE
REM	REMOVE
RES	RESILIENT
RET	RETURN
RA	RETURN AIR
RVS	REVERSE (SIDE)
REV	REVISION (S), REVISED
RH	RIGHT HAND
ROW	RIGHT OF WAY
R	RISER
RVT	RIVET
RD	ROOF DRAIN
RFH	ROOF HATCH
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
RB	RUBBER BASE
RBT	RUBBER TILE
RBL	RUBBLE STONE
SFGL	SAFETY GLASS
SS	SANITARY SEWER
SCHED	SCHEDULE
SCN	SCREEN
SNT	SEALANT
STG	SEATING
SECT	SECTION
SSK	SERVICE SINK
SHTH	SHEATHING
SHT	SHEET
SG	SHEET GLASS
SH	SHELF, SHELVING
SHO	SHORE (D), (ING)
SIM	SIMILAR
SKL	SKYLIGHT
SL	SLEEVE
SC	SOLID CORE
SP	SOUNDPROOF
S	SOUTH
SPC	SPACER
SPK	SPEAKER
SPL	SPECIAL
SPEC	SPECIFICATION (S)
SQ	SQUARE
SST	STAINLESS STEEL
STD	STANDARD
SPPWC	STD PLANS FOR PUBLIC WORKS CONSTRUCTION
SSPWC	STD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
STA	STATION
STL	STEEL
STOR	STORAGE
SD	STORM DRAIN
STR	STRUCTURAL
SCT	STRUCTURAL CLAY TILE
SUSP	SUSPENDED
SYM	SYMMETRY (ICAL)
SYN	SYNTHETIC
SYS	SYSTEM
TKBD	TACKBOARD
TKS	TACKSTRIP
TEL	TELEPHONE
TV	TELEVISION
TC	TERRA COTTA
TZ	TERRAZZO
THK	THICK (NESS)
THR	THRESHOLD
TPTN	TOILET PARTITION
TPD	TOILET PAPER DISPENSER
TOL	TOLERENCE
T&G	TONGUE AND GROOVE
TC	TOP OF CURB
TG	TOP OF GRADE
TW	TOP OF WALL
TR	TOP OF RIM
TSL	TOP OF SLAB
TST	TOP OF STEEL
TW	TOP OF WALL
TB	TOWEL BAR
TR	TRANSOM
TRD	TREAD
TYP	TYPICAL
UC	UNDERCUT
UNF	UNFINISHED
UR	URINAL
VJ	V-JOINT (ED)
VB	VAPOR BARRIER
VA	VARIES
VAR	VARNISH
VNR	VENEER
VRM	VERMICULITE
VERT	VERTICAL
VG	VERTICAL GRAIN
VAT	VINYL ASBESTOS TILE
VB	VINYL BASE
VF	VINYL FABRIC
VT	VINYL TILE
WSCT	WAINSCOT
WTW	WALL TO WALL
WH	WALL HUNG
WC	WATER CLOSET
WP	WATERPROOFING
WR	WATER REPELLANT
WS	WATERSTOP
WWF	WELDED WIRE FABRIC
W	WEST
WHB	WHEEL BUMPER
WDTH	WIDTH, WIDE
WIN	WINDOW
WG	WIRED GLASS
WM	WIRE MESH
WO	WITHOUT
WD	WOOD
WB	WOOD BASE
WPT	WORKING POINT
WI	WROUGHT IRON
STD.	STANDARD

PLOT DATE: 03.17.98

SYMBOLS LEGEND



KEY NOTES

GRID LINE

DOOR IDENTIFICATION

WINDOW IDENTIFICATION

EXTERIOR WINDOW PANEL

PARTITION TYPE
PARTITION TYPE IDENTIFICATION
SHEET WHERE TYPE REFERENCED

MATCH LINE,
SHADED PORTION
IS SIDE CONSIDERED

REVISION CLOUD
AROUND REVISION
OPTIONAL

EXTERIOR ELEVATION
ELEVATION IDENTIFICATION
SHEET WHERE ELEVATION IS REFERENCED

DETAIL
DETAIL IDENTIFICATION
SHEET WHERE DETAIL IS REFERENCED

INTERIOR ELEVATION(S)
ELEVATION IDENTIFICATION
(UNFOLD ELEVATIONS CLOCKWISE.
NO ARROWS MEANS ELEVATION
NOT SHOWN.)
SHEET WHERE ELEVATION IS REFERENCED

PROPERTY LINE

WORK POINT, CONTROL POINT,
OR DATUM POINT

WALL SECTION
WALL SECTION IDENTIFICATION
SHEET WHERE SECTION IS REFERENCED

BUILDING SECTION
BUILDING SECTION IDENTIFICATION
SHEET WHERE SECTION IS REFERENCED

SCALE
DETAIL NAME
CONTROL NUMBER

DETAIL
DETAIL IDENTIFICATION
SHEET WHERE DETAIL REFERENCED

MATERIALS LEGEND

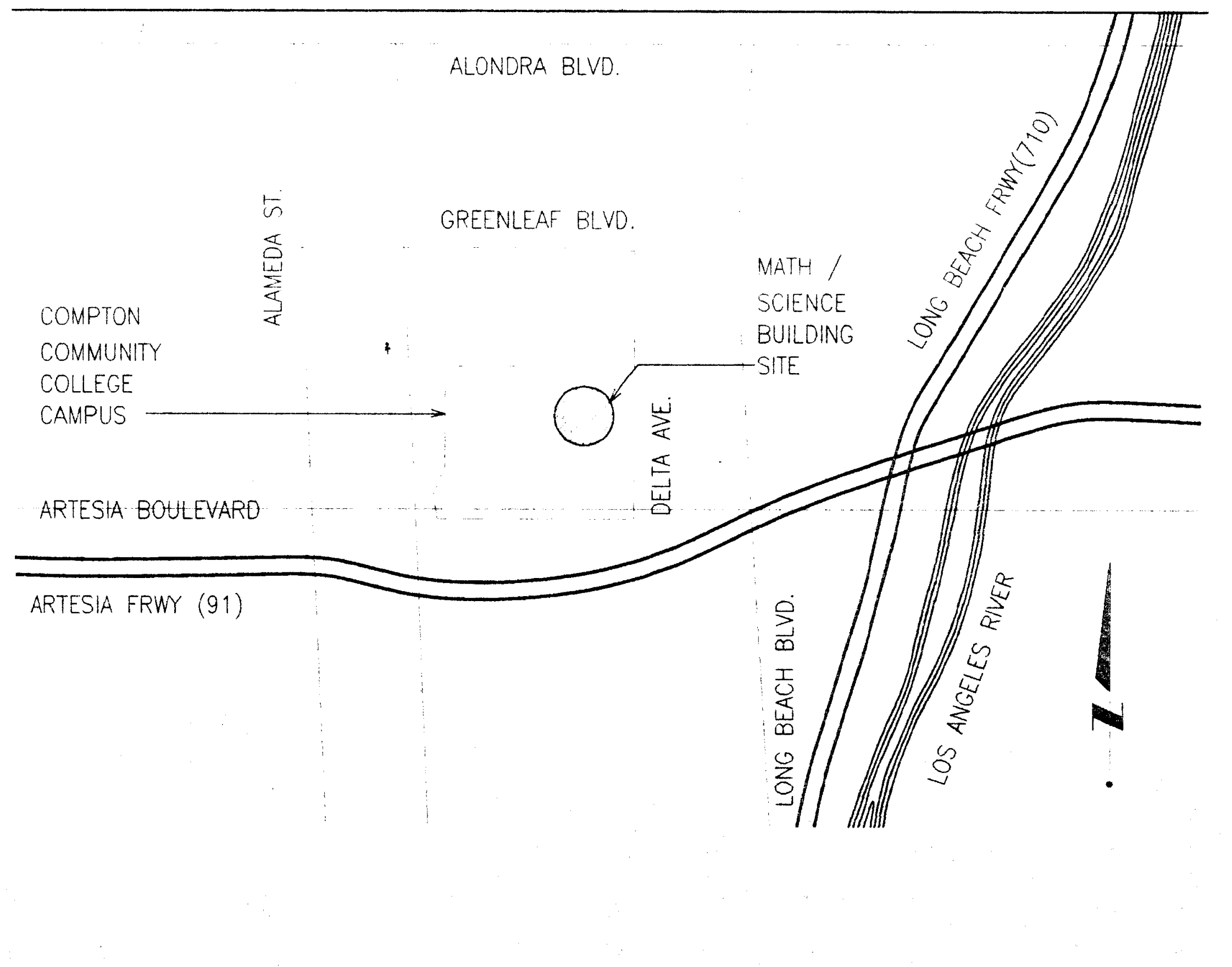
▭	ACOUSTICAL TILE	▭	METAL (BRASS OR BRONZE)
▨	AGGREGATE BASE	▭	METAL (STEEL)
▭	BRICK (ELEVATION)	▭	METAL LATH
▭	CONCRETE MASONRY UNIT	▭	PLASTER SAND
▭	CERAMIC TILE (SECTION)	▭	PLASTER LAMINATE
▭	CHAIN LINK OF WIRE MESH (ELEV)	▨	PLYWOOD
▭	CONCRETE	▭	QUARRY TILE (SECTION)
▨	PRECAST CONCRETE	▭	SHEET METAL (ELEV, PLAN)
▭	CONCRETE BLOCK	▭	COMPACTED SOIL
▭	GLASS	▭	WOOD (BLOCKING)
▭	GYPSUM BOARD	▭	WOOD FINISH
▨	INSULATION LOOSE	▭	WOOD (ROUGH)
▦	INSULATION RIGID	▭	EARTH
▭	METAL (ALUMINUM)		

DEFERRED APPROVAL

INSTALLATION OF THE FOLLOWING ITEMS SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS ARE APPROVED BY THE DIVISION OF THE STATE ARCHITECT. AND OR THE COMPTON FIRE DEPARTMENT.

1. EXTERIOR WALL PANEL SYSTEM AND GLAZED CURTAIN WALL
2. ELEVATOR GUIDE RAILS.
3. FIRE SPRINKLERS.
4. GREENHOUSE
5. OBSERVATORY DOME

VICINITY MAP



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EF1.3	MIS/PRINT SHOP FIRE ALARM PLAN
EF2.1	FIRE ALARM RISER, GENERAL NOTES, AND SPECIFICATIONS
EF2.2	FIRE ALARM DETAILS

IDENTIFICATION STAMP
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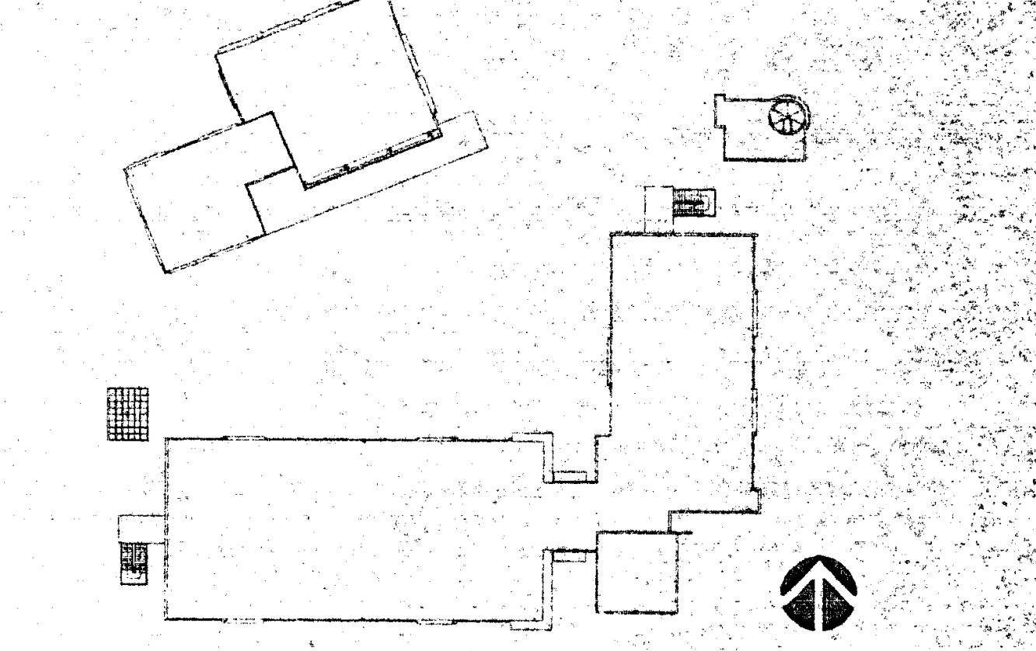
MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

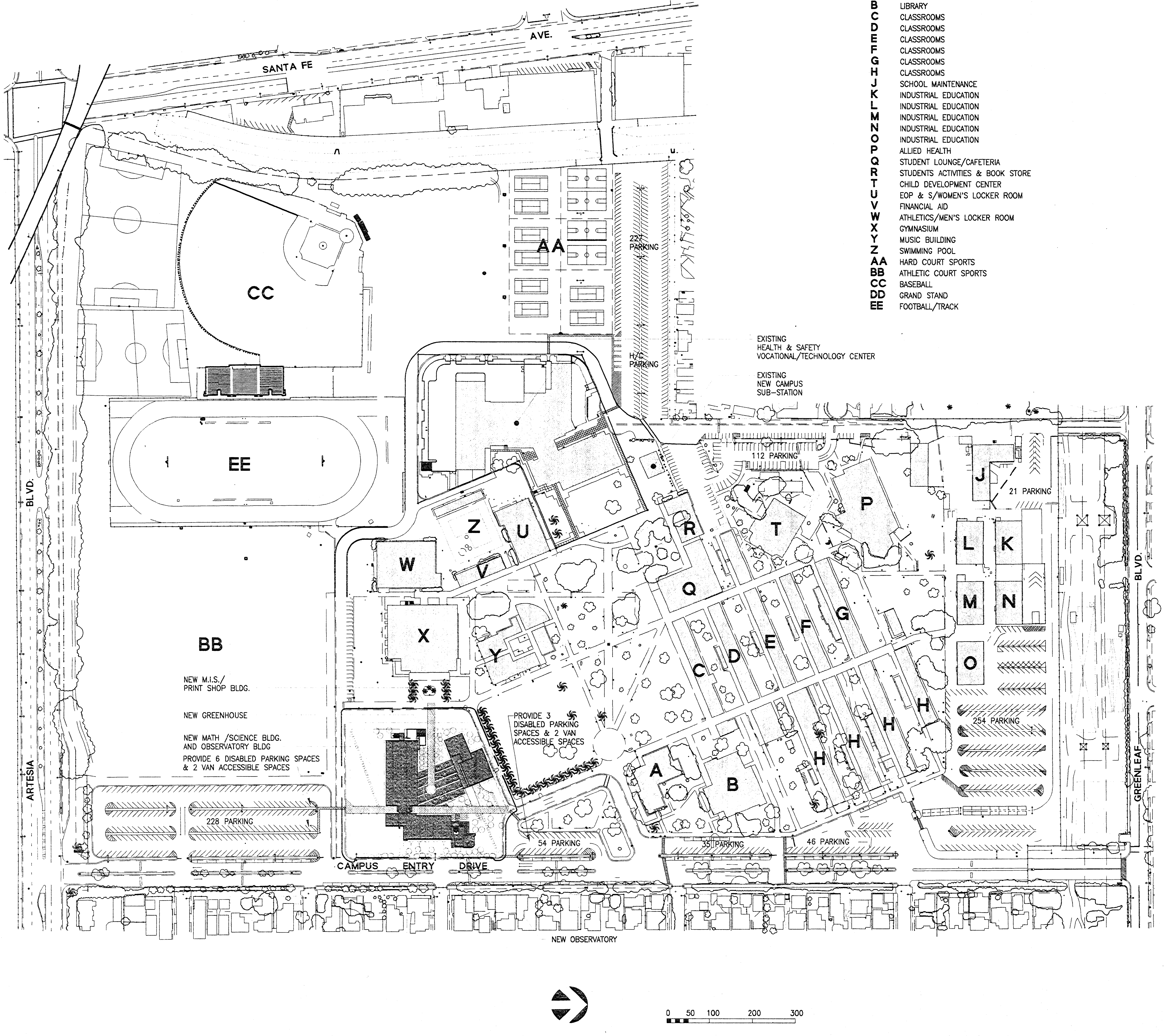
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

ABBREVIATIONS, SYMBOLS, LEGENDS, VICINITY MAP, DEF. APPROVAL + DRAWING INDEX

FILE: CMA0-01
SCALE
JOB NO. JGM
DATE 03.06.98

SHEET NO.
G0.1
OF ____ SHEETS



BUILDING IDENTIFICATION

A	ADMINISTRATION/COUNSELING/RECORDS
B	LIBRARY
C	CLASSROOMS
D	CLASSROOMS
E	CLASSROOMS
F	CLASSROOMS
G	CLASSROOMS
H	CLASSROOMS
J	SCHOOL MAINTENANCE
K	INDUSTRIAL EDUCATION
L	INDUSTRIAL EDUCATION
M	INDUSTRIAL EDUCATION
N	INDUSTRIAL EDUCATION
O	INDUSTRIAL EDUCATION
P	ALLIED HEALTH
Q	STUDENT LOUNGE/CAFETERIA
R	STUDENTS ACTIVITIES & BOOK STORE
T	CHILD DEVELOPMENT CENTER
U	EOP & S/WOMEN'S LOCKER ROOM
V	FINANCIAL AID
W	ATHLETICS/MEN'S LOCKER ROOM
X	GYMNASIUM
Y	MUSIC BUILDING
Z	SWIMMING POOL
AA	HARD COURT SPORTS
BB	ATHLETIC COURT SPORTS
CC	BASEBALL
DD	GRAND STAND
EE	FOOTBALL/TRACK

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MORRIS A. PONDEXTER
3-31-99
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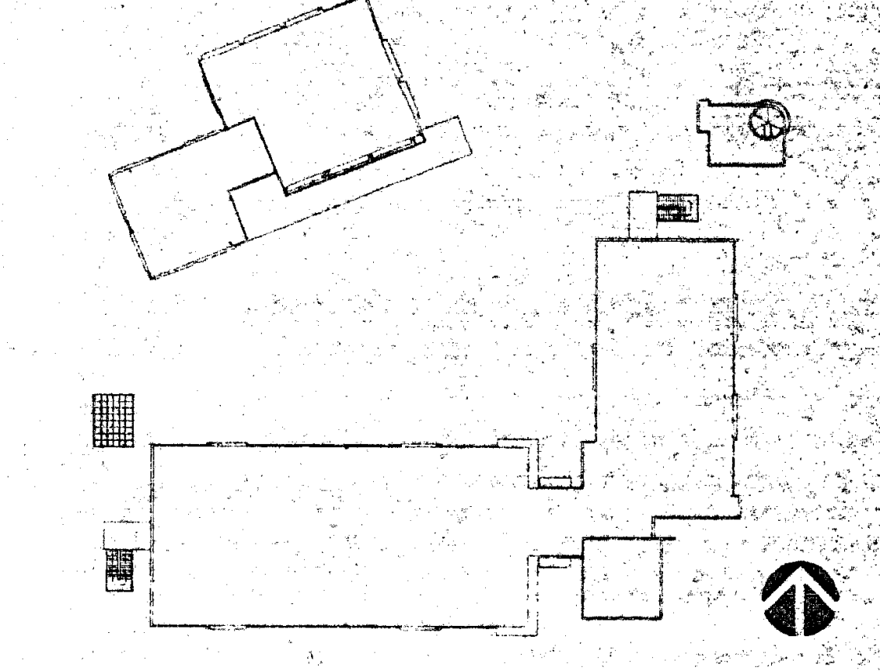
STATE OF CALIFORNIA

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

CAMPUS PLAN

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ✓ FLS ___ SS 3-20-98

FILE: CMA0-02
SCALE 1"=100'-0"
JOB NO. JGM
DATE 03.06.98

SHEET NO.
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OF ____ SHEETS

LOT DATE: 03.17.98

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO BIDDING AND START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE COMMENCING WORK.

2. ALL DIMENSIONS ARE TO FACE OF FINISH MATERIAL, GRID LINES AND FACE OF CONCRETE UNLESS OTHERWISE NOTED.

3. OFFSET STUDS ARE REQUIRED AT CERTAIN LOCATIONS SO THAT FINISH WALL SURFACES CAN BE FLUSH.

4. FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE, UNLESS OTHERWISE NOTED.

5. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES.

6. INSTALL METAL CORNER BEADS AT ALL EXPOSED WALLBOARD EDGES. INSTALL CASING BEADS WHEREVER WALLBOARDS, PLASTER, ETC., ABUT A DISSIMILAR FINISH MATERIAL AND PROVIDE SEALANT AS REQUIRED.

7. MINIMUM HEADROOM CLEARANCE AT STAIRS SHALL BE 6'–8" VERTICALLY FROM THE PLANE PARALLEL TANGENT TO THE TREAD NOSING TO ALL POINT ABOVE PER UBC.

8. CONTACT BETWEEN DISSIMILAR METAL SHALL BE PROTECTED. REFER TO PROJECT SPECIFICATIONS.

9. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL MECHANICAL EQUIPMENT PADS AND BASES, AS WELL AS POWER AND WATER OR DRAIN INSTALLATIONS, WITH EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK. CHANGES TO ACCOMMODATE FIELD CONDITIONS OR SUBSTITUTIONS SHALL BE MADE WITHOUT ADDITIONAL CHARGES TO OWNER.

10. DUCT PENETRATING STUD WALLS OR SHAFT WALLS SHALL BE PROVIDED WITH FRAMES, BRACING AND SEALANT AROUND THE OPENING.

11. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENER, BRACINGS, BACK–UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK AND OF ALL FLOOR MOUNTED OR SUSPENDED MECHANICAL OR ELECTRICAL EQUIPMENT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND ENGINEERING CALCULATIONS (STAMPED BY A LICENSED STRUCTURAL ENGINEER HIRED BY THEM) AS REQUIRED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.

12. TOILET ROOMS SHALL BE EQUIPPED WITH A MECHANICAL SYSTEM OF VENTILATION PROVIDING A MINIMUM OF TEN AIR CHANGES PER HOUR AND AS PER 1989 CALIFORNIA MECHANICAL CODE, TABLE NO. 2110–A.

13. CONTRACTOR SHALL VERIFY ALL CONCRETE BLOCK OPENINGS IN THE FIELD PRIOR TO THE FABRICATION OF DOORS AND FRAMES.

14. ALL DOORS AND FRAMES SHALL BE REINFORCED WHERE REQUIRED FOR CLOSERS, STOPS AND HARDWARE.

15. TELEVISION ANTENNA CROSS ARMS OR OTHER ROOF OBSTRUCTIONS SHALL BE LOCATED 7 FEET MINIMUM ABOVE THE ROOF.

16. ALL FLOORS SHALL HAVE A SURFACE THAT IS NON–SLIP AS DEFINED BY THE 1994 UBC.

17. PROVIDE THE FOLLOWING AS REQUIRED TO LIMIT AIR LEAKAGE IN BUILDING.
    - A. FIXED WINDOWS SHALL BE SEALED TO LIMIT AIR INFILTRATION.
    - B. ALL EXTERIOR DOORS SHALL LIMIT AIR LEAKAGE AROUND THEIR PERIMETER WHEN IN A CLOSED POSITION.
        - 1. ALL DOORS SHALL BE PROVIDED WITH A SEAL AT THE HEAD, SILL AND JAMBS.
        - 2. DOORS MOUNTED ON EITHER THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL SHALL HAVE A MINIMUM OF ONE–INCH LAP AT EACH JAMB.
    - C. PENETRATIONS OF UTILITIES THROUGH THE ENVELOPE SHALL BE SEALED, CAULKED, OR WEATHER–STRIPPED TO LIMIT AIR LEAKAGE.
    - D. "CERTIFICATE OF COMPLIANCE" SIGNED BY THE OWNER, GENERAL CONTRACTOR, ARCHITECT, OR ENGINEER SHALL STATE THAT THE WORK HAS BEEN PERFORMED AND MATERIALS INSTALLED TO COMPLY SUBSTANTIALLY WITH THE CALIFORNIA NON–RESIDENTIAL ENERGY CONSERVATION STANDARDS.

18. TILE INSTALLATION SHALL FOLLOW THE CONSTRUCTION DETAILS RECOMMENDED IN THE LATEST EDITION OF THE TILE COUNCIL OF AMERICA HANDBOOK.

19. ALL LABELED DOORS SHALL BE COMPLETE ASSEMBLIES, INCLUDING DOOR FRAMES AND HARDWARE.

20. ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND CIVIL DRAWINGS ARE COMPLIMENTARY. THE INSTALLING CONTRACTOR MUST BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT AND OWNERS REPRESENTATIVE FOR RESOLUTION.

21. THE CONTRACTOR SHALL MAKE SPECIAL PROVISIONS FOR DUST AND NOISE CONTROL AND SAFETY PROVISIONS SO AS NOT TO DISRUPT EXISTING BUILDINGS AND ADJACENT BUILDING OPERATIONS.

22. CONTRACTOR SHALL PROVIDE TEMPORARY FIRE PROTECTION AS PER COMPTON FIRE DEPARTMENT RULES AND REGULATIONS.

23. CONTRACTOR SHALL CAREFULLY STUDY THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL REPORT TO THE ARCHITECT OR OWNER'S REPRESENTATIVE ANY ERROR, INCONSISTENCY, OR OMISSION HE MAY DISCOVER AND SHALL NOT PROCEED WITH THAT PART OF THE WORK UNTIL THE INTENT OF THE DOCUMENT IS VERIFIED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE.

24. IF THE CONTRACTOR PERFORMS OR PROCEEDS WITH ANY WORK, CONTRARY TO APPLICABLE LAWS, ORDINANCES, AND RULES AND REGULATIONS, WITHOUT GIVING PRIOR WRITTEN NOTICE TO THE ARCHITECT OR OWNER,S REPRESENTATIVE, HE SHALL ASSUME FULL RESPONSIBILTY THEREFOR, AND SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO.

25. ALL NEW OR REPLACED STREET PAVING, CURBS, GUTTERS, SIDEWALKS AND DRIVEWAYS SHALL BE CONSTRUCTED AS PER THE STANDARD AND REQUIREMENTS OF THE CITY OF COMPTON.

26. ALL VERTICAL PIPE RISERS SHALL BE HELD TIGHT TO FACE OF COLUMN OR WALL RISERS PASSING THROUGH SLAB & SHALL HAVE A PIPE SLEEVE THAT EXTENDS 1" ABOVE FINISH FLOOR AND SEALED WATERTIGHT.

27. EXCAVATION: WHERE APPLICABLE, NO TRENCHES OR EXCAVATION 4 FEET OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND IS PERMITTED UNLESS THE NECESSARY PERMITS OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE ISSUANCE OF BUILDING OR GRADING PERMIT.

28. UTILITIES: APPROPRIATE SUB–CONTRACTORS TO CONSULT WITH WATER, ELECTRIC, SEWER AND TELEPHONE COMPANIES TO VERIFY INSTALLATIONS AND CONNECTIONS.

29. "THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT ALL WORK IN ACCORDANCE WITH THE APPLICABLE CODES LISTED HEREIN. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH SAID CODE, A CHANGE ORDER REQUEST DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO THE ARCHITECT.

30. DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING THE WORK. MINOR MODIFICATION MAY BE REQUIRED TO SUIT THE JOB DIMENSIONS OR CONDITIONS AND SHALL BE INCLUDED AS PART OF THE WORK.

    WHERE SPECIFIC CONDITIONS ARE DETAILED, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS ARE THE SAME UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.

31. LARGER SCALE DETAIL DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DETAIL DRAWINGS.

32. KEEP EXIT PASSAGE AND EXIT DOORS FREE OF MATERIALS AT ALL TIMES.

33. WHERE PROPOSED UTILITY LINES INSTALLATION CONFLICT WITH EXISTING UNDER GROUND OBSTRUCTIONS, THE CONTRACTOR SHALL ADHERE TO MINIMUM CLEARANCE REQUIREMENT IN ADDITION TO PROVIDING NECESSARY SUPPORTS AND TRENCH SHORING FOR EXISTING PIPE AND CONDUITS.

34. ALL WOOD BLOCKING, NAILERS, OR FRAMING USED FOR PERMANENT CONSTRUCTION, SHALL BE PERMANENTLY FIRE RETARDANT PRESSURE IMPREGNATED AND BEAR AN UNDERWRITERS LABORATORY (U.L.) LABEL AS NONCOMBUSTIBLE MATERIAL.

35. UNLESS OTHERWISE SHOWN ON DRAWINGS ALL FIRE–RATED PARTITIONS SHALL BE CONTINUOUS FROM FLOOR TO STRUCTURE ABOVE, AND SHALL EXTEND THROUGH CONCEALED CEILING AREAS, SUSPENDED SOFFITS, AND OVERHANGS., FIT TIGHT TO CONFIGURATION OF STRUCTURE AND FILL VOIDS WITH SAFING INSULATION.

36. PROVIDE A METAL STRIP OR THRESHOLD UNDER ALL DOORS WHERE THE ADJACENT FLOORS ARE AT DIFFERENT LEVELS OR WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS

ANCHORAGE OF NON–STRUCTURAL COMPONENTS

THE ANCHORAGE OF SUCH COMPONENTS AND EQUIPMENT OF THE FACILITY TO PREVENT DISPLACEMENT AND ENSURE CONTINUED OPERATIONS AFTER AN EARTHQUAKE IS OF PRIME IMPORTANCE. THE REQUIREMENT IS TO COMPLY WITH CCR TITLE 24.

COMPONENTS AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL DRAWINGS SHOWN AND AS DESCRIBED HEREINAFTER.

THE CONTRACTOR SHALL SUBMIT INSTALLATION/SHOP DRAWINGS AND OBTAIN THE APPROVAL OF THE ARCHITECT AND COMPTON COMMUNITY COLLEGE INSPECTOR PRIOR TO INSTALLATION OF THE COMPONENTS AND EQUIPMENT.

37. INSTALLATION OF ELEVATOR GUIDERAILS AND GUIDERAIL SUPPORTS SHALL NOT BE STARTED UNTIL DETAIL PLANS, SPECIFICATIONS AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DEPT. OF THE STATE ARCHITECT(DSA)

40. FOR THE PURPOSE OF HANDICAPPED ACCESSIBILITY, THIS PROJECT SHOULD COMPLY WITH THE REQUIREMENTS OF THE AMERICAN DISABILITY ACT ACCESSIBILITY GUIDELINES (ADAAG) AND/OR THE CALIFORNIA ACCESS COMPLIANCE LAW (CCR, TITLE 24) WHICHEVER IS MORE STRINGENT.

41. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE DEVISION OF THE STATE ARCHITECT, AS REQUIRED BY TITLE 24, CCR.

42. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED A BY THE DEPARTMENT OF THE STATE ARCHIATECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN TITLE 24, CCR.

43. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

ELEVATOR NOTES

1. A HANDRAIL SHALL BE PROVIDED ON ONE WALL OF THE CAR, PREFERABLE PROVIDE THE REAR. THE RAILS SHALL BE SMOOTH AND THE INSIDE SURFACE AT LEAST 1–1/2" CLEAR OF THE WALLS AT A NOMINAL HEIGHT OF 32" ABOVE THE FLOOR. SEC 5103(D.1)7. FIG 51–B.

2. ELEVATOR FLOOR BUTTONS SHALL BE WITHIN 48" ABOVE THE FINISHED FLOOR FOR APPROACH AND 4" FOR FRONT APPROACH. SEC 5103(D.1)6A FIG 51–B.

3. FLOOR BUTTONS SHALL BE PROVIDED WITH VISUAL INDICATORS TO SHOW WHEN EACH CALL IS REGISTERED. THE VISUAL INDICATORS SHALL BE EXTINGUISHED WHEN EACH CALL IS ANSWERED. SEC 5103(D.1)6A.

4. EXCEPT FOR PHOTO ELECTRIC TUBE BY–PASS SWITCHES, EMERGENCY CONTROLS, INCLUDING THE EMERGENCY STOP AND ALARM, SHALL BE GROUPED IN OR ADJACENT TO THE BOTTOM OF THE PANEL AND SHALL BE NO LOWER THAN 2'–11" FROM THE FLOOR. FOR MULTIPLE CONTROLS ONLY, ONE SET MUST COMPLY WITH THESE HEIGHT REQUIREMENTS. SEC 5103(D.1)6A FIG 51–B.

5. CALL OPERATION BUTTONS SHALL BE WITHIN 3'–6" OF THE FLOOR. THE BUTTONS SHALL BE A MINIMUM OF 3/4" IN SIZE AND SHALL BE RAISED 1/8" ± 1/32" ABOVE THE SURROUNDING SURFACE. VISUAL INDICATION SHALL BE PROVIDED TO SHOW EACH CALL REGISTERED AND EXTINGUISHED WHEN ANSWERED. OBJECTS ADJACENT TO AND BELOW HALL CALL BUTTONS PROJECT MORE THAN 4" FROM THE WALL. SEC 5103(D.1)8. FIG 51–C

6. THE EMERGENCY TELEPHONE HANDSET SHALL BE POSITIONED NO HIGHER THAN 4' ABOVE THE FLOOR, AND THE HANDSET CORD SHALL BE A MINIMUM OF 2'–5" IN LENGTH. IF THE TELEPHONE SYSTEM IS LOCATED IN A CLOSED COMPARTMENT, THE COMPARTMENT DOOR HARDWARE SHALL BE LEVER TYPE CONFORMING TO THE PROVISIONS OF SECTION 3304(C), TYPE OF LOCK OR LATCH. EMERGENCY INTERCOMMUNICATION SHALL NOT REQUIRE VOICE COMMUNICATION. SEC 5103(D.1)6A.

7. A CAR POSITION INDICATOR SHALL BE PROVIDED ABOVE THE CAR OPERATING PANEL OR OVER THE OPENING OF EACH CAR TO SHOW THE POSITION OF THE CAR IN THE HOISTWAY BY ILLUMINATION OF THE INDICATION CORRESPONDING TO THE LANDING AT WHICH THE CAR IS STOPPED OR PASSING.

8. THE CAR POSITION INDICATOR SHALL BE A CONTRASTING COLOR BACKGROUND AND A MINIMUM OF 1/2" IN HEIGHT. SEC 5103(D.1) 6C.

9. AN AUDIBLE VERBAL ANNOUNCEMENT OR SIGNAL SHALL SOUND TO TELL PASSENGERS THAT THE CAR IS STOPPING OR PASSING A FLOOR SERVED BY THE ELEVATOR. THE AUDIBLE SIGNAL SHALL BE NO LESS THAN 20 DECIBELS WITH A FREQUENCY NO HIGHER THAN 1500 HZ. SEC 5103(D.1)6C

10. THE MINIMUM ILLUMINATION AT THE CAR CONTROLS, THRESHOLD, AND THE LANDING WHEN THE CAR AND THE LANDING DOORS ARE OPEN SHALL NOT BE LESS THAN 5 FOOT–CANDLES. SEC 5103(D.1)6D.

11. IDENTIFIED FOR THE VISUALLY IMPAIRED SHALL BE AS FOLLOWS: SEC 5103(D.1) 6B. FIG 51–B.: PASSENGER ELEVATOR CAR CONTROLS SHALL HAVE A MINIMUM DIMENSION OF 3/4" AND SHALL BE RAISED 1/8" ± 1/32" ABOVE THE SURROUNDING SURFACE.

12. CONTROL BUTTONS SHALL BE ILLUMINATED, SHALL HAVE SQUARE SHOULDERS, AND SHALL BE ACTIVATED BY A MECHANICAL MOTION THAT IS DETECTABLE.

13. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY A 5/8" MINIMUM ARABIC NUMERAL, STANDARD BY ALPHABET CHARTER STANDARD SYMBOL.

14. A MINIMUM CLEAR SPACE OF 3/8" OR OTHER SUITABLE MEANS OF SEPARATION SHALL BE PROVIDED BETWEEN ROWS OF CONTROL BUTTONS.

15. THE RAISED CHARACTERS SHALL BE WHITE ON A BLACK BACKGROUND.

16. CONTROLS AND EMERGENCY EQUIPMENT IDENTIFIED BY RAISED SYMBOLS SHALL INCLUDE, BUT NOT BE LIMITED TO, DOOR OPEN, DOOR CLOSE, ALARM BELL, EMERGENCY STOP, AND TELEPHONE.

17. THE CALL BUTTON FOR THE MAIN ENTRY FLOOR SHALL BE CHARACTERS DESIGNATED BY A RAISED STAR AT THE LEFT OF THE FLOOR DESIGNATION.

18. A VISUAL AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE INDICATING TO THE PROSPECTIVE PASSENGER THE CAR ANSWERING THE CALL AND ITS DIRECTION IF TRAVEL AS FOLLOWS: SEC 5103(D.1)9. FIG 51–C.

19. THE VISUAL SIGNAL FOR EACH DIRECTION SHALL BE A MINIMUM OF 2–1/2" WIDE, AND VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTON.

20. THE AUDIBLE SIGNAL SHALL SOUND ONCE FOR THE UP DIRECTION AND TWICE FOR THE DISTINGUISHES BETWEEN UP AND DOWN ELEVATOR TRAVEL. SEC 5103(D.1) 9B.

21. THE CENTER LINE OF THE FIXTURE SHALL BE LOCATED A MINIMUM OF 6' IN HEIGHT FROM THE LOBBY FLOOR. SEC 5103(D.1)9C.

22. THE CENTER LINE OF THE FIXTURE SHALL BE LOCATED A MINIMUM OF 6' IN HEIGHT FROM THE LOBBY FLOOR. SEC 5103(D.1)9C.

23. THE USE OF IN CAR LANTERNS, LOCATED IN OR ON THE CAR DOOR JAMBS, VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTONS AND CONFORMING TO SECTIONS 5103(D.1)9 A, B, & C WILL BE ACCEPTABLE. SEC 5103(D.1)9D

24. THE USE OF ARROW SHAPES IS PREFERRED FOR VISIBLE SIGNALS. SEC 5103(D.1)9E, FIG 51–C.

25. PASSENGER ELEVATOR LANDING JAMBS ON ALL ELEVATOR FLOORS SHALL HAVE THE NUMBER OF THE FLOOR WHICH THE JAMB IS LOCATED DESIGNATED BY RAISED ARABIC NUMERALS WHICH ARE MINIMUM OF 2' IN HEIGHT AND RAISED BRAILLE SYMBOLS WHICH CONFORM TO SECTION 3105A(E) 1 LOCATED APPROXIMATELY 5" ABOVE THE FLOOR ON THE JAMB PANELS ON BOTH SIDES OF THE DOOR SO THAT THEY ARE VISIBLE FROM WITHIN THE ELEVATOR. RAISED BRAILLE SYMBOLS SHALL BE PLACED DIRECTLY TO THE LEFT OF THE CORRESPONDING RAISED ARABIC NUMERALS. THE RAISED CHARACTERS SHALL BE ON A CONTRASTING BACKGROUND. SEC 5103(D.1)10. FIG 51–C.

26. POWER–OPERATED HORIZONTALLY SLIDING CAR AND HOISTWAY DOORS OPENED AND CLOSED BY AUTOMATIC MEANS SHALL BE PROVIDED. SEC 5103(D.1)2.

27. DOORS CLOSED BY AUTOMATIC MEANS SHALL BE PROVIDE WITH A DOOR REOPENING DEVICE WHICH WILL FUNCTION TO STOP AND REOPEN A CAR DOOR AND ADJACENT HOISTWAY DOOR IN CASE THE CAR DOOR IS OBSTRUCTED WHILE CLOSING. THIS REOPENING DEVICE SHALL ALSO BE CAPABLE OF SENSING AND OBJECT OR PERSON IN THE PATH OF THE CLOSING DOOR WITHOUT REQUIRING DEVICE SHALL ALSO BE CAPABLE OF SENSING AND OBJECT PER PERSON IN THE PATH OF THE CLOSING DOOR WITH OUR REQUIRING CONTACT FOR ACTIVATION AT A NORMAL 5" AND 29" ABOVE THE FLOOR. DOOR REOPENING DEVICES SHALL REMAIN EFFECTIVE FOR A PERIOD OF NOT LESS THAN 200 SECONDS. AFTER SUCH AN INTERVAL THE DOORS MY CLOSE IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI 17.1–86 OF THE

28. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) DOCUMENT SAME 17.1–1990. SEC 5103(D.1)4. FIG 51–C.

29. THE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THAT A CAR IS ANSWERING A CALL (LANTERN AND AUDIBLE SIGNAL) UNTIL THE DOORS OF THE CAR START TO CLOSE SHALL BE CALCULATED IN ACCORDANCE WITH SECTION 5103(D.1)5A SEC 5103(D.1)5A

30. FOR CARS WITH IN–CAR LANTERNS, THE TOTAL TIME, T, AS CALCULATED IN ACCORDANCE WITH SECTION 5103(D.1)5A, BEGINS WHEN THE LANTERN IS VISIBLE FROM THE VICINITY OF HALL CALL BUTTONS AND AN AUDIBLE SIGNAL IS SOUNDED. SEC 5103(D.1)5A. FIG 51–D.

31. THE MINIMUM ACCEPTABLE TIME FOR DOORS TO REMAIN FULLY OPEN SHALL NOT BE LESS THAN 5 SECONDS. SEC 5103(D.1) 5B

32. THE ELEVATOR SHALL BE AUTOMATIC AND BE PROVIDED WITH A SELF–LEVELING FEATURE THAT WILL AUTOMATICALLY BRING THE CAR TO THE FLOOR LANDINGS WITH A TOLERANCE OF + 1/2" UNDER NORMAL LOADING AND UNLOADING CONDITIONS. THIS SELF–LEVELING

    SHALL, WITHIN ITS ZONE, BE ENTIRELY AND INDEPENDENT OF THE OPERATING DEVICE AND SHALL CORRECT THE OVERTRAVEL OR UNDERTRAVEL. THE CAR SHALL ALSO BE MAINTAINED APPROXIMATELY LEVEL WIT THE LANDING, IRRESPECTIVE OF LOAD. THE CLEARANCE BETWEEN THE CAR PLATFORM SILL AND THE EDGE OF THE HOISTWAY LANDING SHALL BE NO GREATER THAN 1–1/4". SEC 5103(D.1)1.

33. ELEVATORS SHALL COMPLY WITH CHAPTER 30 OF THE U.B.C. AND STATE TITLE 24.

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3-31-99
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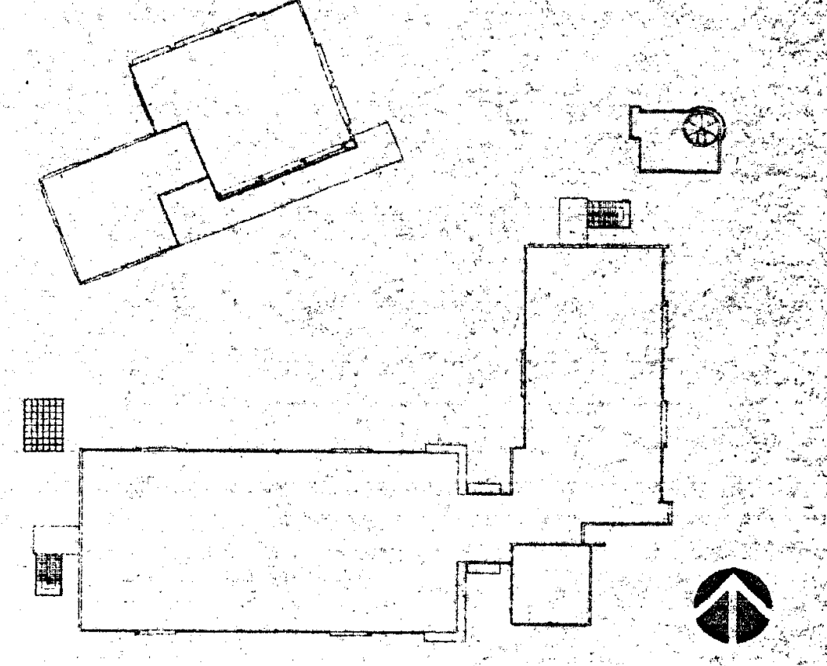
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

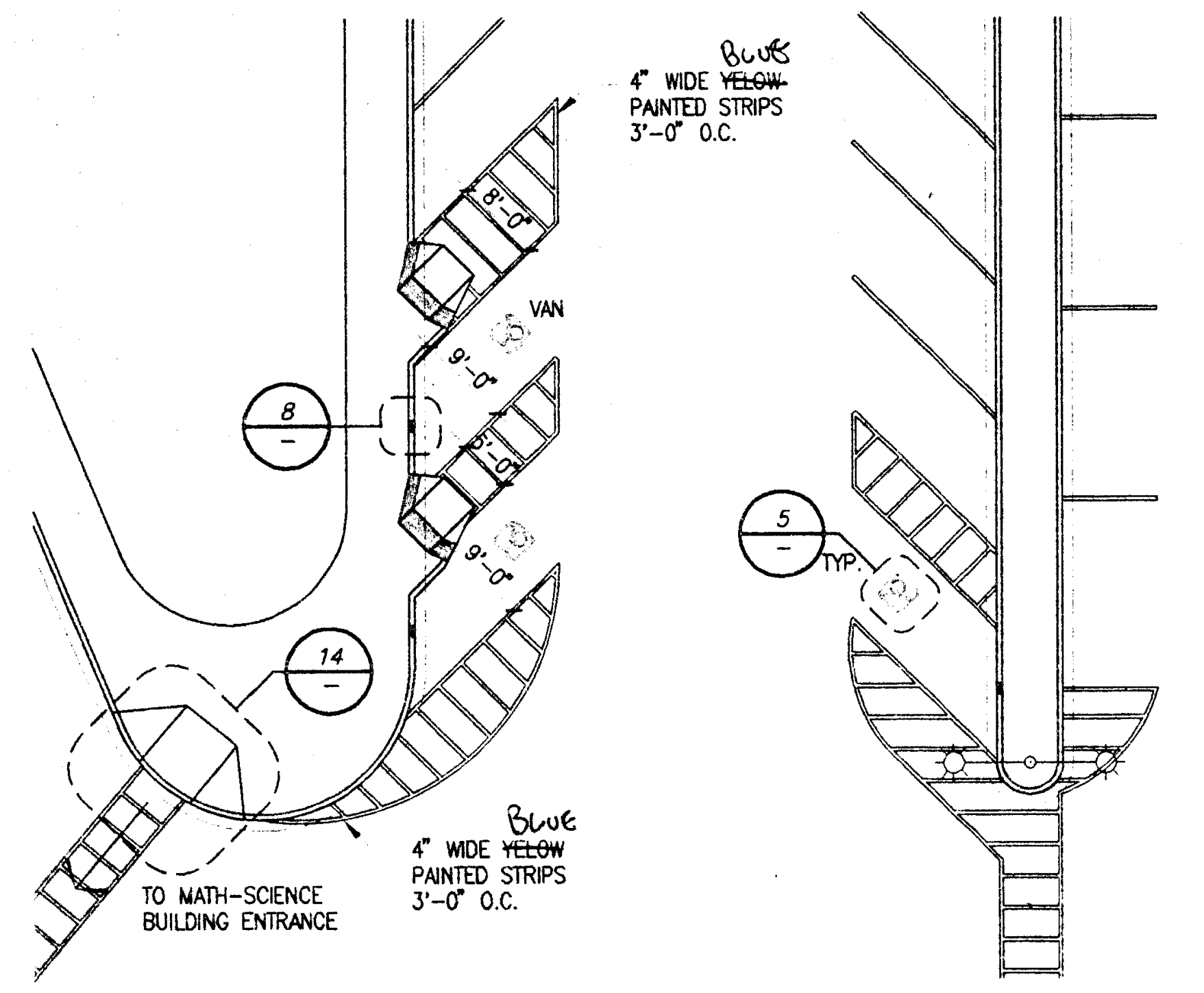
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

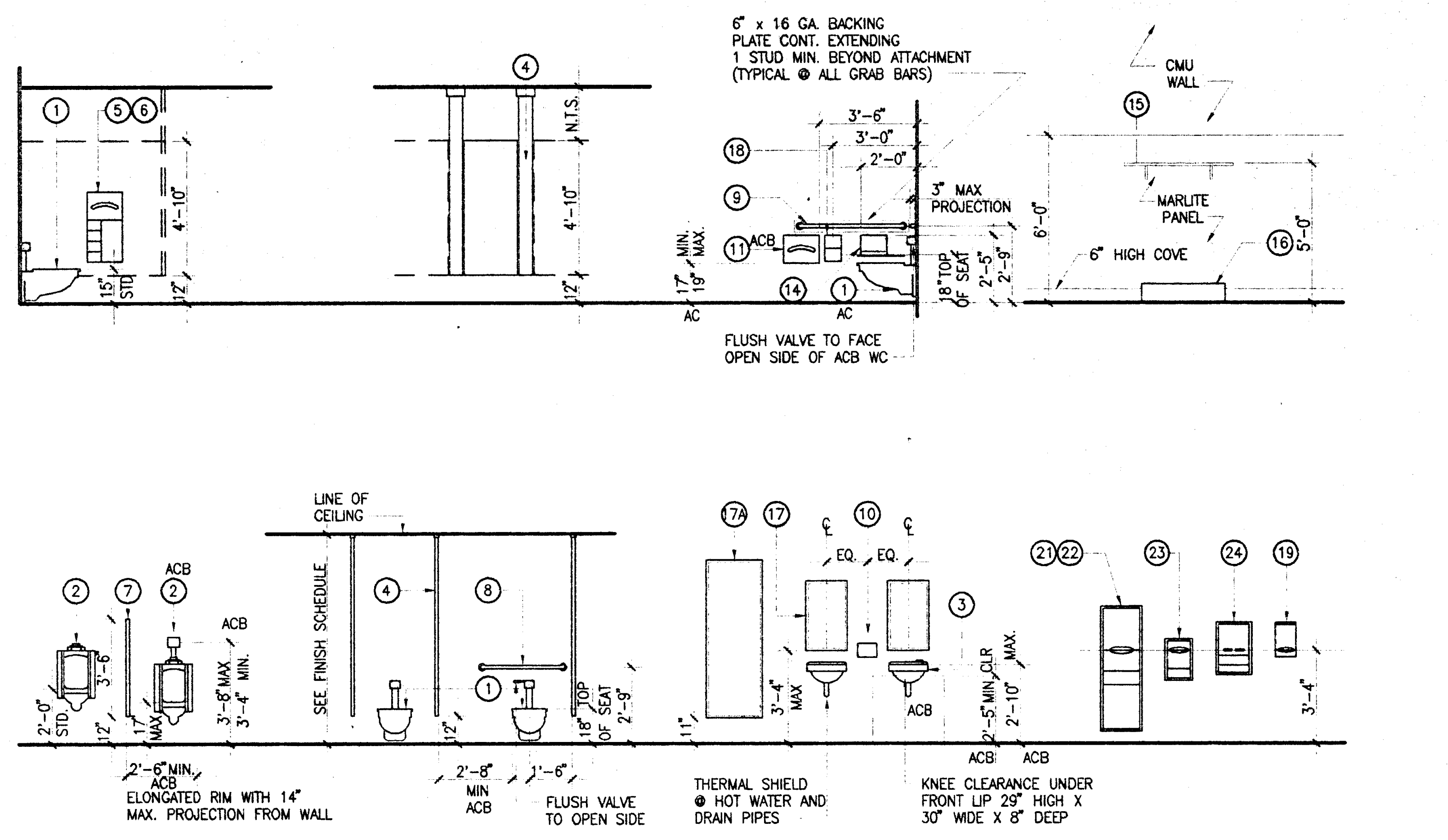
SHEET TITLE

GENERAL NOTES

FILE: CMA0–03
SCALE
JOB NO. JGM
DATE 02.20.98
SHEET NO. G0.3
OF ______ SHEETS

ADA-TITLE 24 NOTES





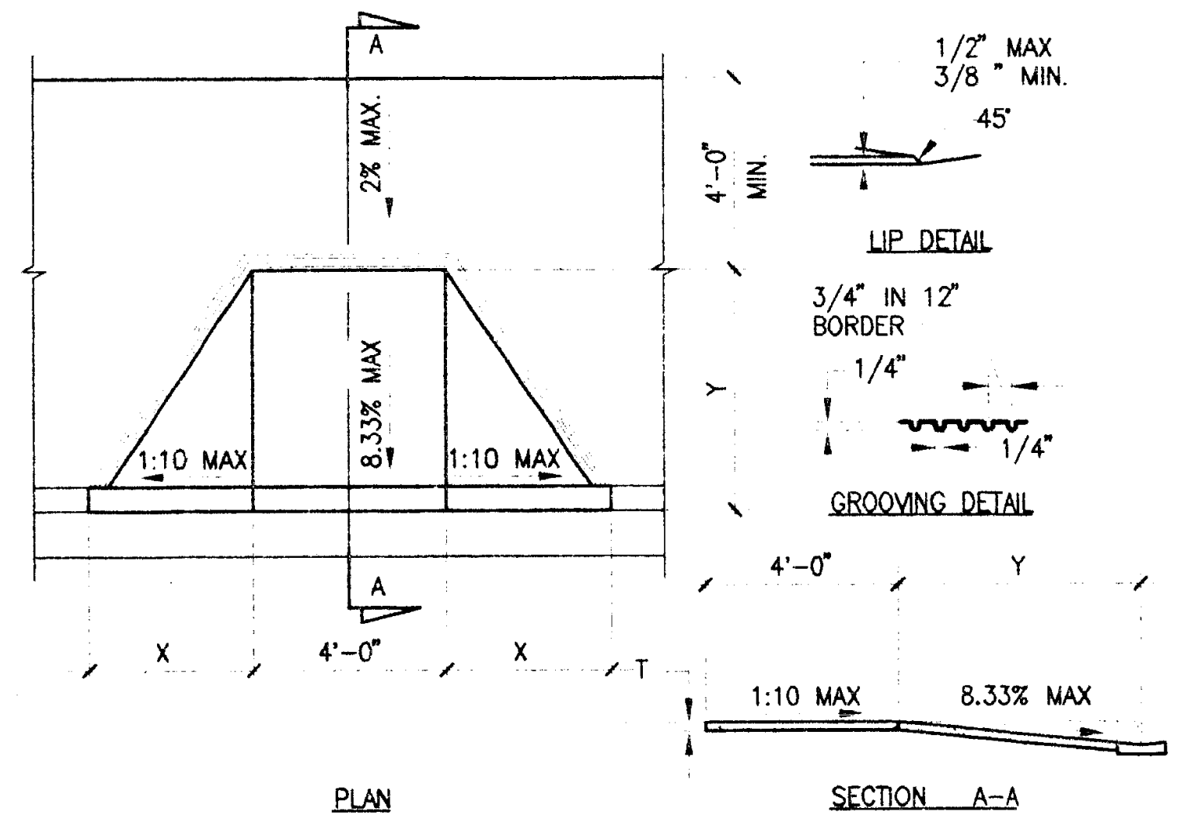
TOILET ACCESSORIES KEYNOTES

① WALL CLOSET – SEE PLUMBING DWGS. AC
② WALL HUNG URINAL – SEE PLUMBING DWGS.
③ LAVATORY – SEE PLUMBING DWGS.
④ TOILET PARTITION, CEILING HUNG AND OVERHEAD BRACED.
⑤ PARTITION MOUNTED TOILET SEAT COVER DISPENSER & ROLL TOILET TISSUE DISPENSER.
⑥ PARTITION MOUNTED TOILET SEAT COVER DISPENSER, NAPKIN DISPOSAL & ROLL TOILET TISSUE DISPENSER.
⑦ URINAL SCREEN
⑧ GRAB BAR WITH CONCEALED MOUNTING 36" LONG
⑨ GRAB BAR WITH CONCEALED MOUNTING 52" LONG
⑩ SURFACE MOUNTED SOAP DISPENSER
⑪ SURFACE MOUNTED TOILET SEAT COVER DISPENSER
⑫ 2'-0" MIN. TOILET PARTITION DOOR. ROBE HOOK @ 48".
⑬ 2'-10" CLEAR TOILET PARTITION DOOR W/ AUTOMATIC CLOSING DEVIE– ACCESSIBLE. ROBE HOOK @ 48".
⑭ SURFACE MOUNTED FEMININE NAPKIN-TAMPON VENDER & DISPOSAL
⑮ SHELF WITH MOP AND BROOM HOLDER
⑯ MOP SINK – SEE PLUMBING DWGS.
⑰ MIRROR 18"X30"
(17A) MIRROR 24"X68"
⑱ SURFACE MOUNTED TOILET TISSUE DISPENSER W/ BACK-UP PLATE (CONTROLLED DELIVERY).
⑲ SURFACE MOUNTED PAPER TOWEL DISPENSER
⑳ NOT USED
㉑ SURFACE MOUNTED PAPER TOWEL DISPENSER & WASTE RECEPTACLE.
㉒ RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE.
㉓ COMPACT SURFACE MOUNTED PAPER TOWEL DISPENSER & WASTE RECEPTACLE.
㉔ SURFACE MOUNTED COMBINATION FEMININE NAPKIN-TAMPON VENDOR.
㉕ BARRIER FREE (ACB) DRINKING FOUNTAIN/ELECTRIC WATER COOLER
㉖ STANDARD DRINKING FOUNTAIN/ELECTRIC WATER COOLER

ACB = ACCESSIBLE
STD = STANDARD

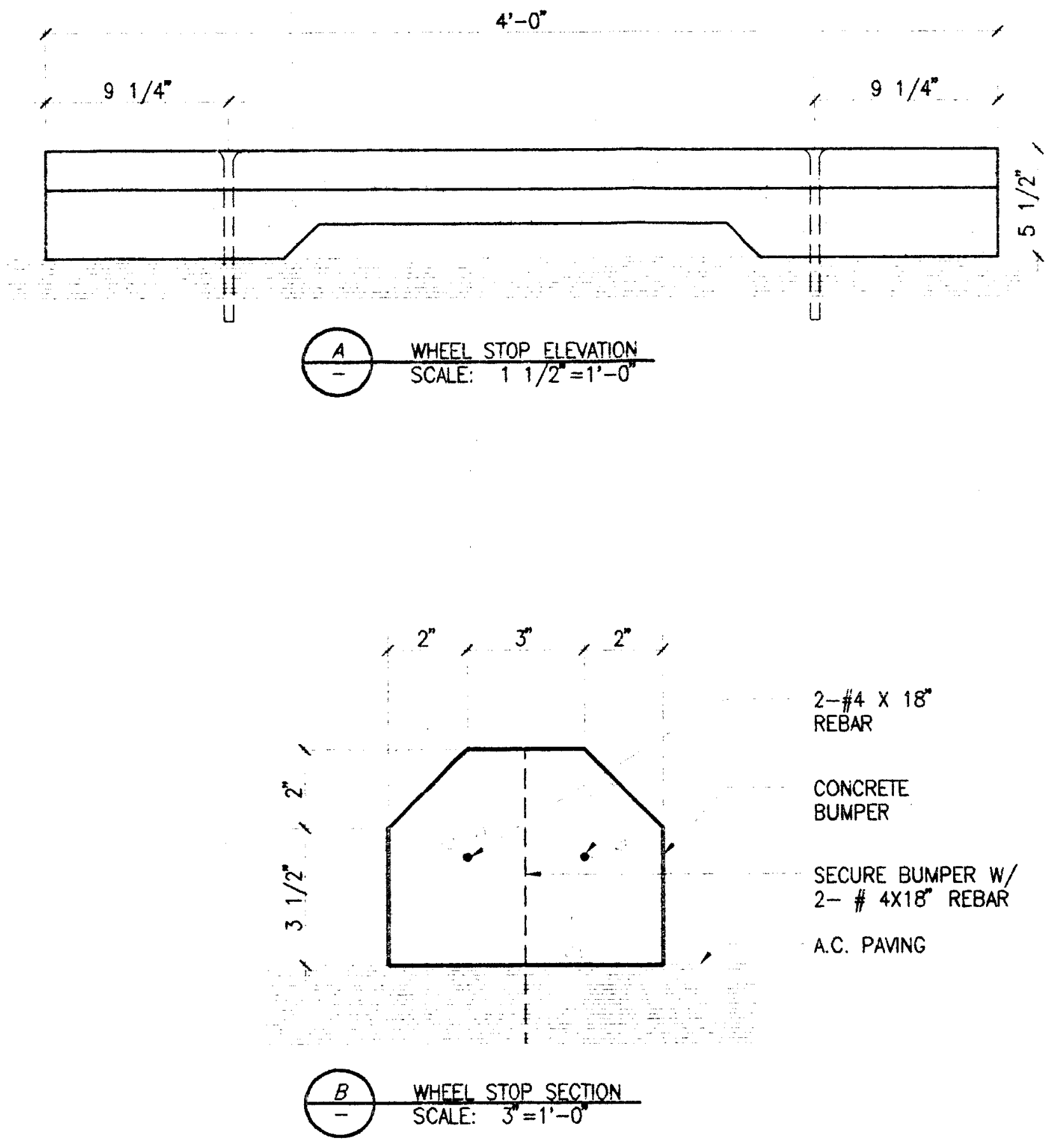
DISABLE CURB RAMP — 1/4"=1'-0" — 13 — DE02001A — A1.1

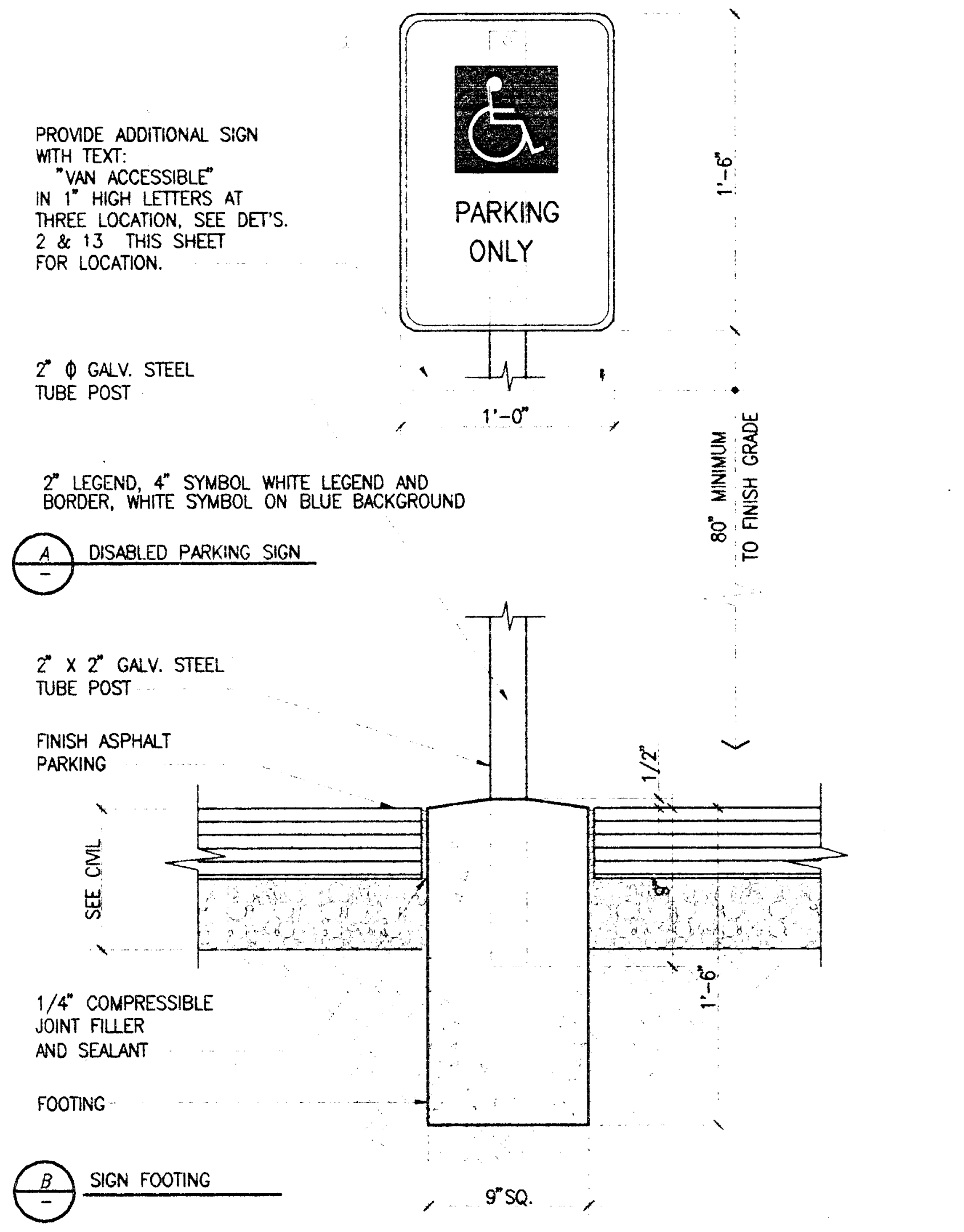
TYPICAL MOUNTING HEIGHTS FOR TOILET ACCESSORIES — 1/4"=1'-0" — 1 — DE01002 — –

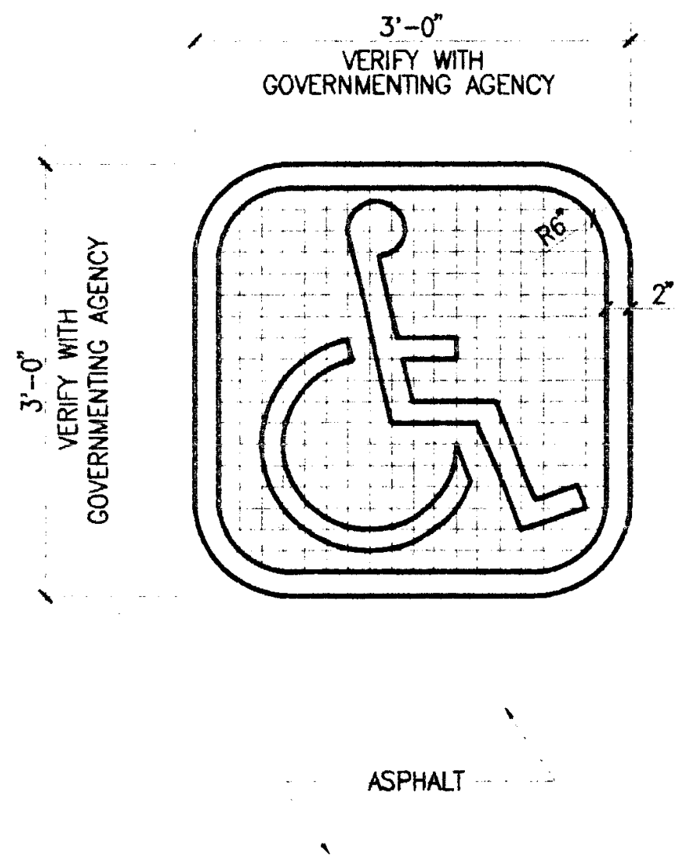


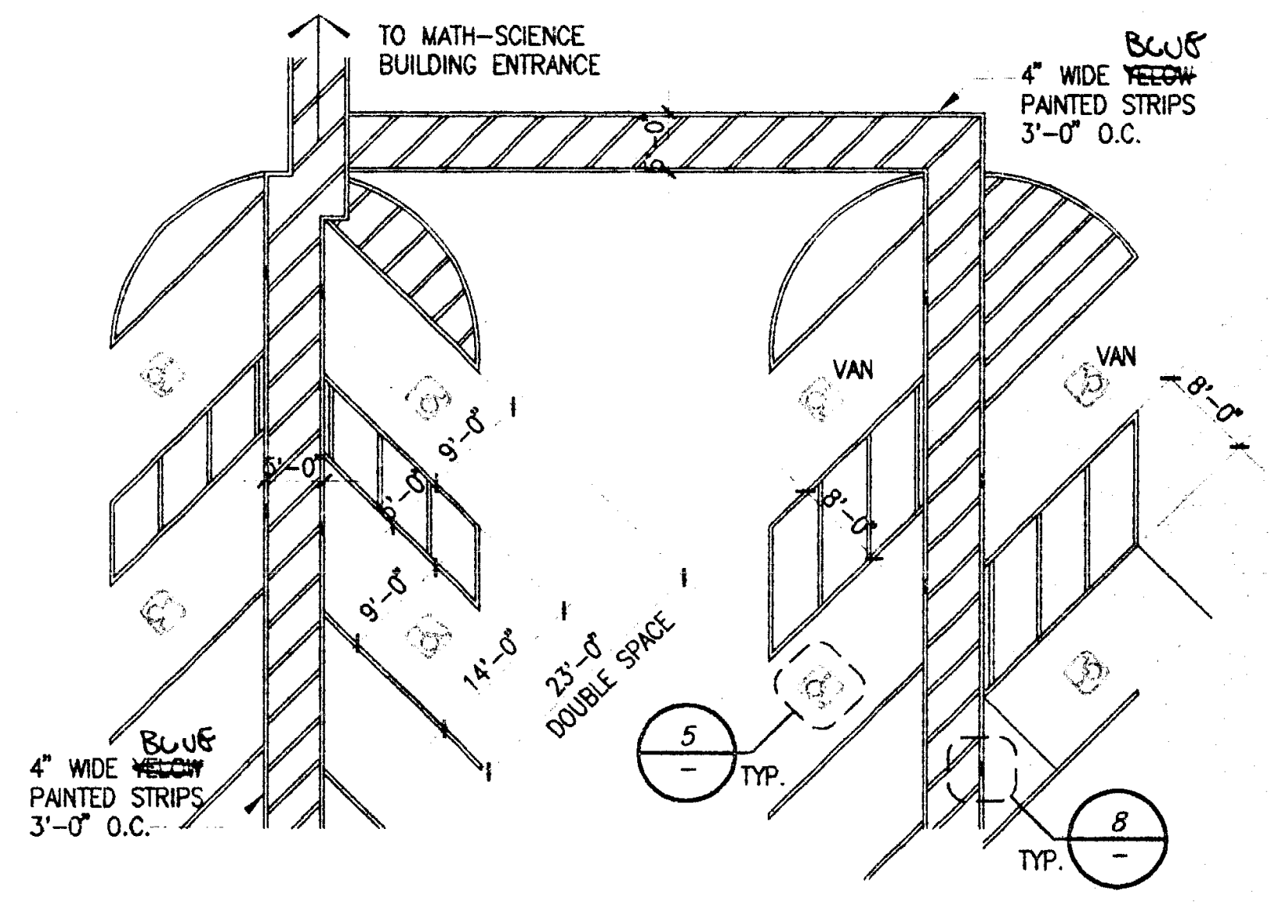
NOTES:

1. SIDEWALK AND RAMP SHALL BE CONSTRUCTED WITH CLASS 520-C-2500 CONCRETE. THE THICKNESS "T" SHALL BE 3-1/2 INCH.
2. THE RAMP SHALL HAVE A 12 INCH WIDE BORDER IN THE PLANE OF THE SIDEWALK WITH 1/4 INCH GROOVES APPROXIMATELY 3/4 INCH ON CENTER, SEE GROOVING DETAIL. THE SURFACE OF THE BORDER SHALL HAVE A FINE, HAIR BROOMED FINISH.
3. DIMENSIONS (UNLESS OTHERWISE SPECIFIED): AT 6 INCH CURB FACE: Y=7.5 FEET (ON CURB).









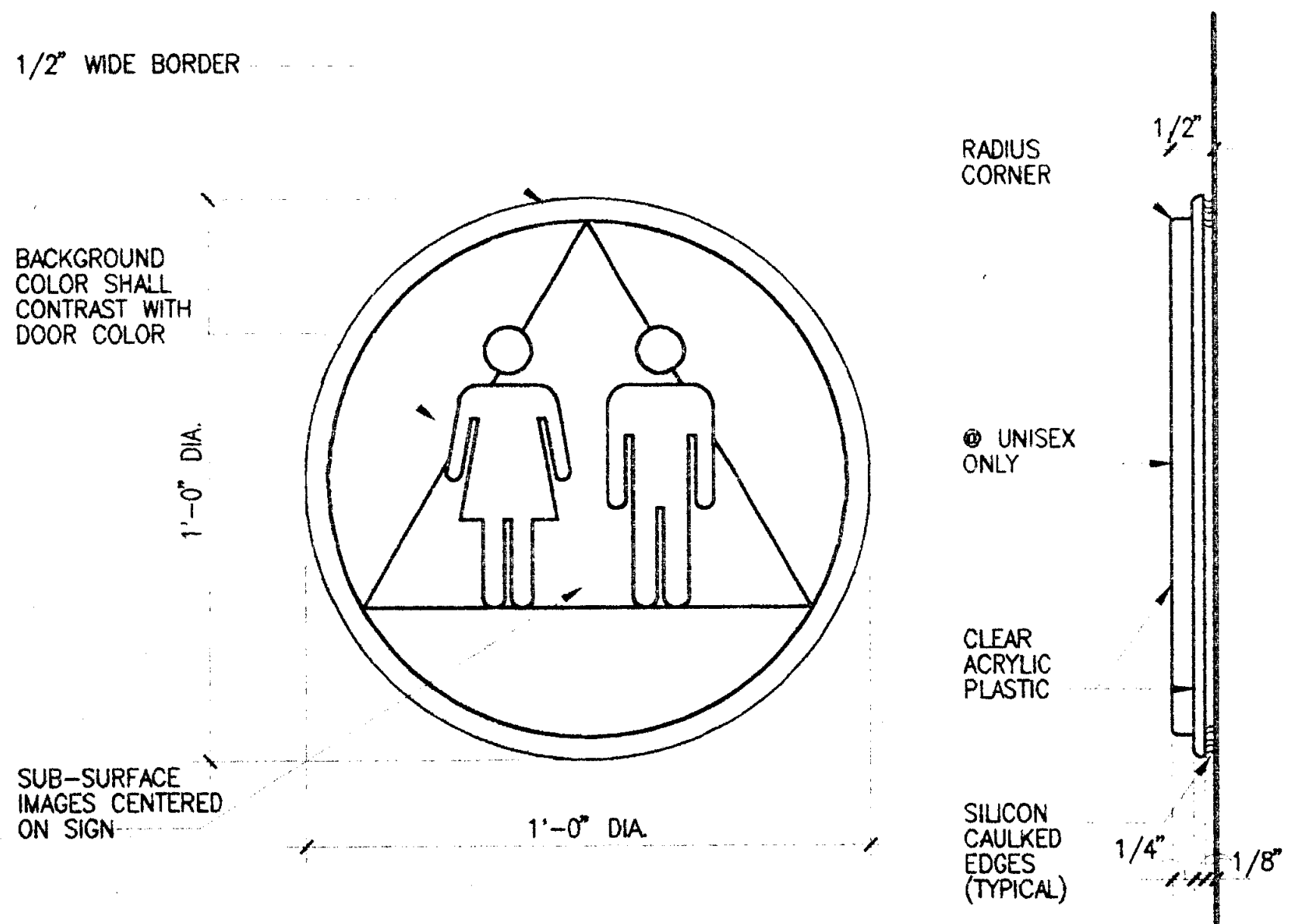
DISABLE CURB RAMP — 1/4"=1'-0" — 14 — DE02001A — A1.1

CONCRETE WHEEL STOP — AS NOTED — 11 — DE02001D — A1.1

DISABLE PARKING SIGN — 1 1/2"=1'-0" — 8 — DE02009G — A1.1

DISABLE SYMBOL — 3/4"=1'-0" — 5 — DE02010D — A1.1

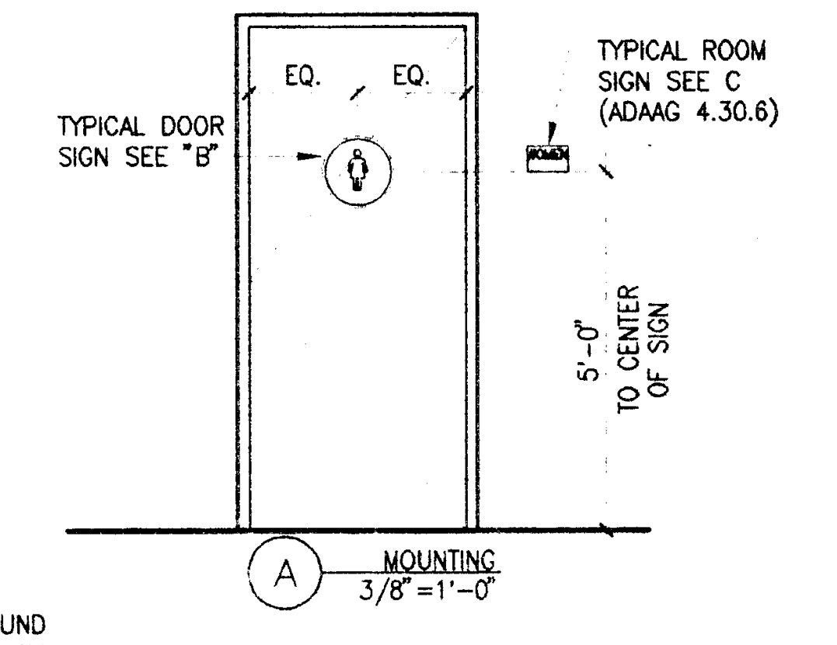
DISABLE DOUBLE STALL LAYOUT — N.T.S. — 2 — DE07007 — A1.1



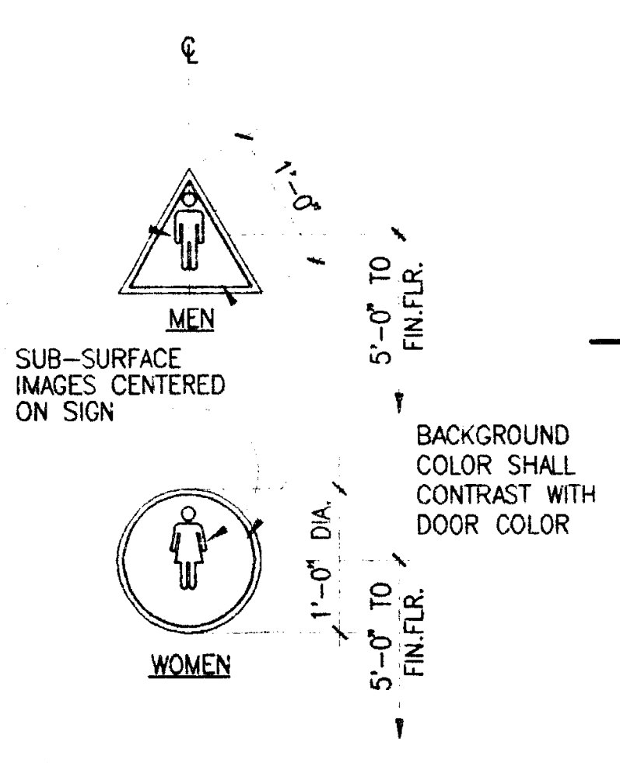
NOTES:

1) ATTACH SIGN WITH ADHESIVE ONLY AND CAULK EDGES WITH CLEAR SILICON. SIGN SHALL BE CENTERED ON DOOR AND MOUNTED 60" ABOVE THE FLOOR TO THE CENTER OF THE SIGN.
2) INSTALL SIGN ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. CHARACTER HEIGHT, PROPORTION RAISED AND BRAILLED CHARACTERS AND PICTORIAL SYMBOL SIGN, FINISH AND CONTRAST, MOUNTING HEIGHT & LOCATION SHALL COMPLY WITH THE REQUIREMENTS OF ADAAG 4.30.
3) REFER TO DETAIL 9.

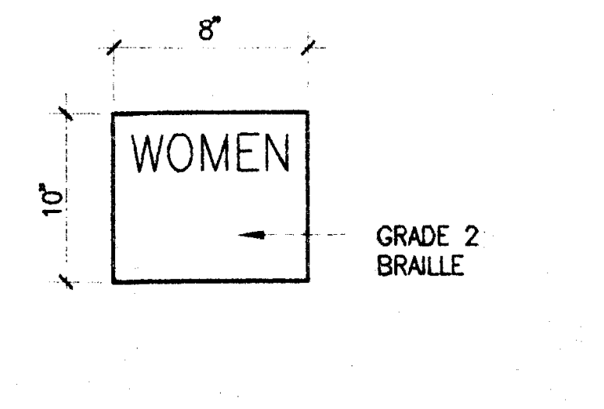
PLOT DATE: 02.20.98



A MOUNTING 3/8"=1'-0"



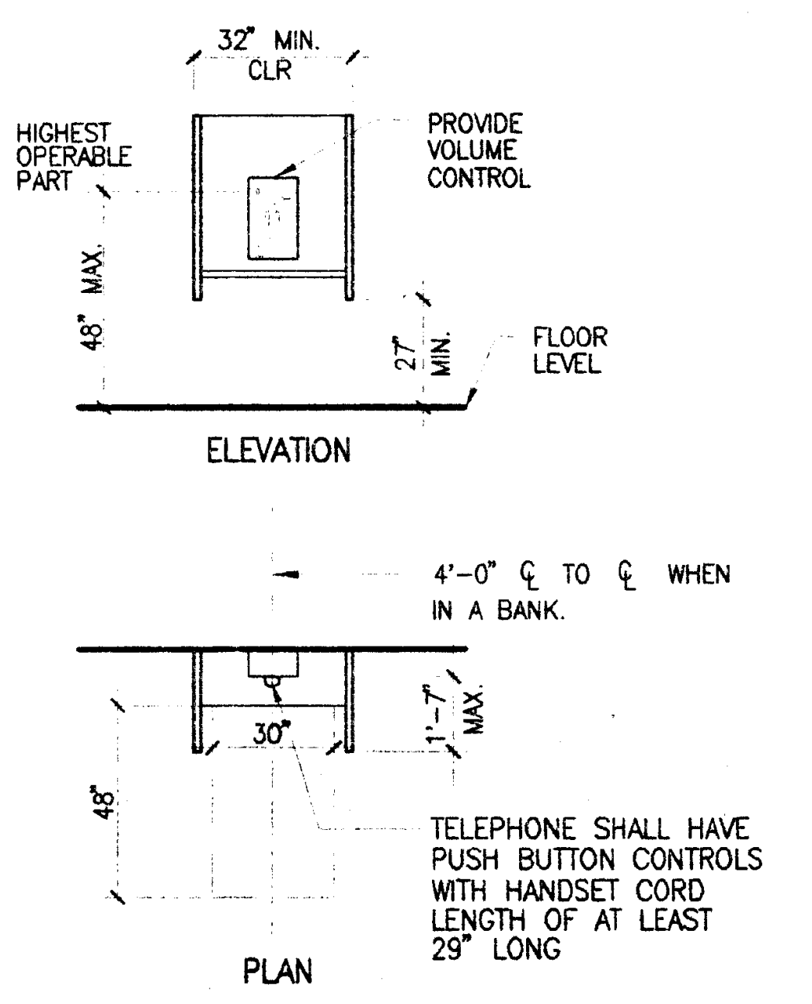
B TYPICAL DOOR SIGN 3/4"=1'-0"



C TYPICAL ROOM SIGN (ADAAG 4.30) 1 1/2"=1'-0"

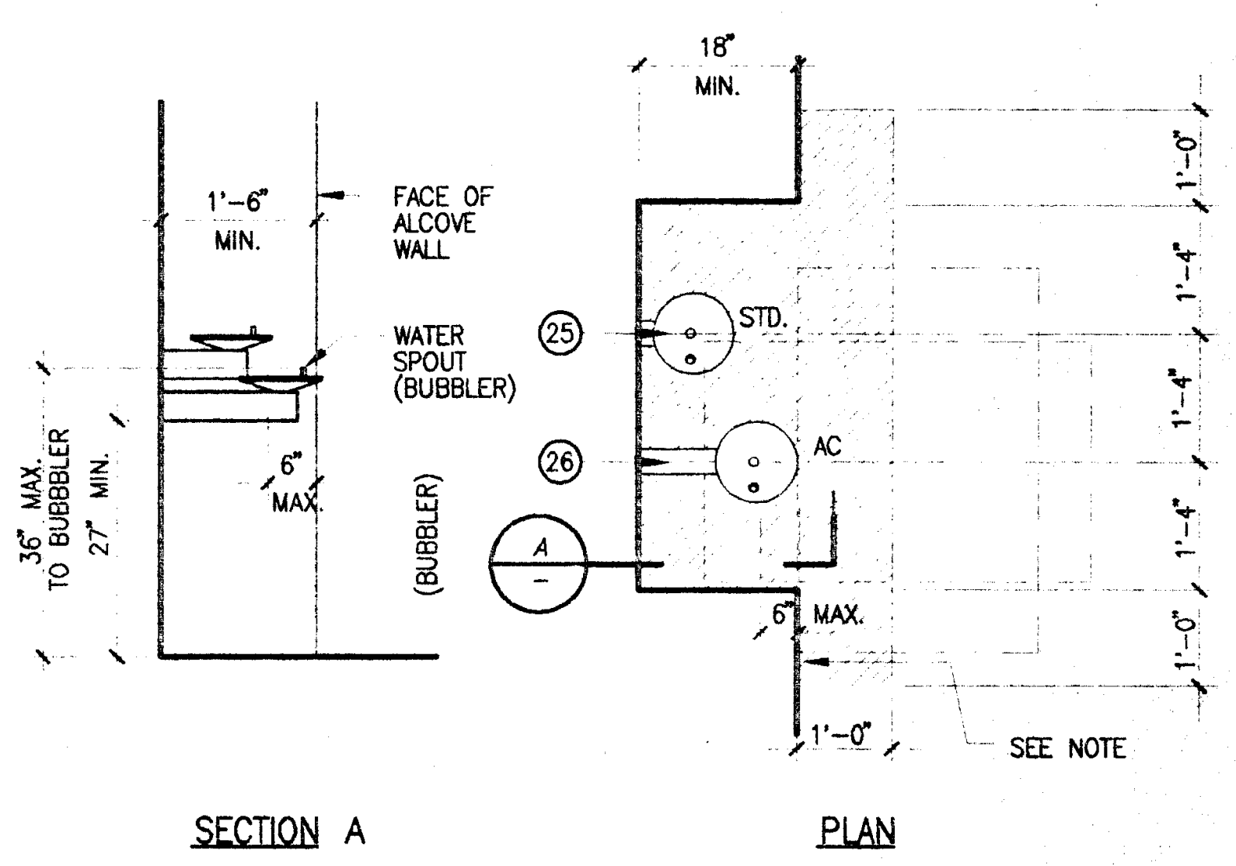
NOTES: ADAAG 4.30

1) DOOR SIGN – SHALL BE CENTERED ON DOOR AND MOUNTED 60" ABOVE THE FLOOR (WITH ADHESIVE ONLY) AT THE CENTER OF THE SIGN.
2) ROOM SIGN – RAISED AND BRAILLED CHARACTERS AND PICTORIAL SYMBOL SIGNS (PICTOGRAMS). LETTERS AND NUMERALS SHALL BE RAISED 1/32 IN. UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL AT LEAST 5/8 IN HIGH, BUT NO HIGHER THAN 2 IN.
3) FINISH CONTRAST. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH.
4) CHARACTERS AND SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.
5) PICTOGRAM SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6 INCH MINIMUM IN HEIGHT



NOTE:

1) PROVIDE PROVISIONS FOR HEARING AIDE COMPATIBLE AND VOL. CONTROL TELEPHONES MIN.-25% OF TOTAL IN EACH BANK OF TELEPHONES
2) PROVIDE PROVISIONS OF TEXT TELEPHONES IN ROOMS PER REQUIREMENT OF ADAAG 4.1 & 4.31.9 AND TITLE 24, WHERE SHOWN.
3) FOR TDD AND DIRECTIONAL SIGNAGE COMPLY WITH THE PROVISIONS OF OF ADAAG 4.30.7 (2) (3) (4) AND TITLE 24.



NOTE:

1) SURFACE OF THE FLOOR OR GROUND AT THE DRINKING FOUNTAIN MUST BE TEXTURED SO THAT IT CAN BE PICKED UP BY A CANE WITH THE TEXTURE EXTENDING FROM THE WALL TO 1'-0" BEYOND THE FRONT EDGE AND 1'-0" BEYOND EACH SIDE OF DRINKING FOUNTAIN. THIS DETECTABLE WARNING SURFACE SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT. (FOR DETECTABLE WARNING SURFACE, RUBBER TILE SEE SPEC). THE SUB-FLOOR SHALL BE RECESSED AS REQUIRED TO ACCOMODATE ADJOINING SURFACES 3105A(01)1.
2) UNITS SHALL HAVE A CLEAR KNEE SPACE BETWEEN THE BOTTOM OF THE APRON AND THE FLOOR AT LEAST 27 INCHES HIGH, 30 IN WIDE, AND 17 INCHES TO 19 INCHES DEEP. KNEE SPACE SHALL EXTEND 8 INCHES MINIMUM CLEAR UNDER UNIT.

UNISEX TOILET DOOR SIGN — N.T.S. — 12 — DE10001 — G0.4

TOILET ROOM SIGNAGE — AS SHOWN — 9 — DE10002 — G0.4

TELEPHONE MOUNTING HEIGHT — N.T.S. — 6 — DE10004 — G0.4

ELECTRIC WATER COOLER — N.T.S. — 3 — DE10005 — G0.4

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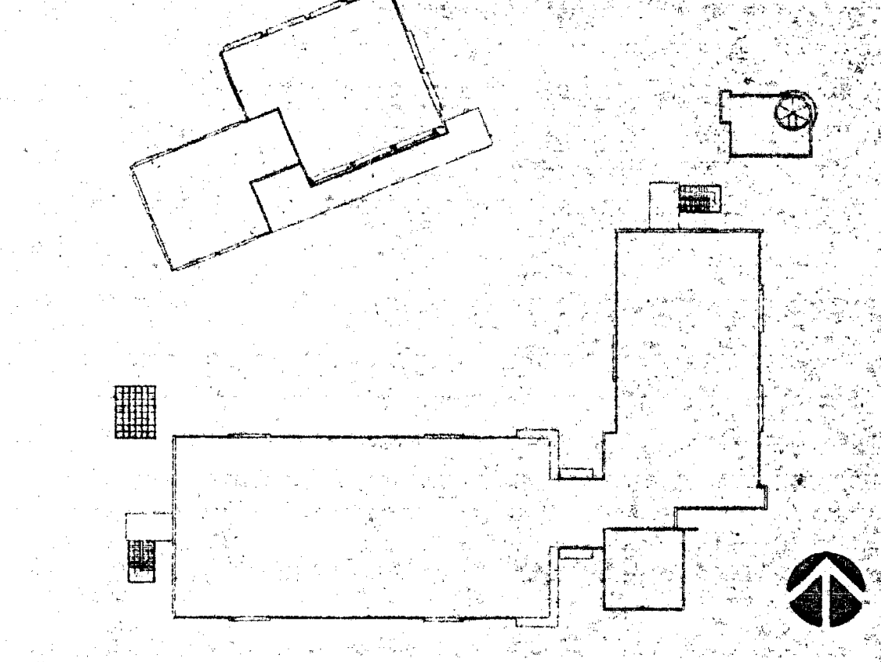

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

ADA - TITLE 24 NOTES
TYPICAL DISABLE
PARKING DETAILS

FILE: CMA0-04
SCALE
JOB NO. JGM
DATE 02.20.98

SHEET NO.
G0.4
OF ___ SHEETS

CODE ANALYSIS

APPLICABLE CODES

CALIFORNIA CODE OF REGULATIONS
CODES INCLUDED IN CCR BY REFERENCE

1994 UBC AND 1994 CAL. AMENDMENTS (94 CALIFORNIA BUILDING CODE – PART 2, TITLE 24,CCR)

1994 NEC AND 1994 CAL. AMENDMENTS (94 CALIFORNIA ELECTRICAL CODE – PART 3, TITLE 24,CCR)

1994 UMC AND 1994 CAL. AMENDMENTS (94 CALIFORNIA PLUMBING CODE – PART 5, TITLE 24,CCR)

1994 UNIFORM FIRE CODE WITH STATE AMENDMENTS (CALIFORNIA FIRE CODE – PART 5 TITLE 24,CCR)

1994 BUILDING STANDARDS CODE (94 STATE REFERENCE STANDARD CODE – PART 12, TITLE 24,CCR)

AMERICANS WITH DISABILITY ACT (ADA)

AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES (ADAAG) FOR THE PURPOSE OF HANDICAPPED ACCESSSIBLITIY, THIS PROJECT SHOULD COMPLY WITH THE REQUIREMENTS OF THE AMERICAN DISABLIBITY ACT ACESSIBILITY GUIDELINES (ADAAG) AND/OR THE CALIFORNIA ACCESS COMPLIANCE LAW (CCR, TITLE 24) WHICHEVER IS MORE STRINGENT.

OCCUPANCY AND CONSTRUCTION DATA

HEALTH & SAFETY
MATH–SCIENCE BUILDING – GREENHOUSE – OBSERVATORY

(1) BUILDING CONSTRUCTION: TYPE III(N), FULLY SPRINKLERED

(2) OCCUPANCY CLASSIFICATION: B

(3) BUILDING HEIGHT:

MATH–SCIENCE BUILDING – TWO (2) STORIES
GREENHOUSE – ONE (1) STORY
OBSERVATORY – ONE (1) STORY

(4) BUILDING GROSS FLOOR AREA:

FIRST FLOOR GROSS AREA – 20,366 S.F, (MATH–SCIENCE + GREENHOUSE + OBSERVATORY)

SECOND FLR. GROSS AREA – 16,984 S.F.

TOTAL 37,350 S.F.

CODE SUMMARY:

BASIC ALLOWABLE FLOOR AREA (TABLE 54) = 12,000 S.F.
504.2 AREAS OVER ONE STORY = X2
505.3 AUTOMATIC SPRINKLER SYSTEM = X2

TOTAL ALLOWABLE S.F. = 48,000 S.F.

M.I.S./PRINT SHOP BUILDING

(1) BUILDING CONSTRUCTION: TYPE III(N), FULLY SPRINKLERED

(2) OCCUPANCY CLASSIFICATION: B

(3) BUILDING HEIGHT: ONE (1) STORY

(4) BUILDING GROSS FLOOR AREA: – 6,366 S.F,

CODE SUMMARY:

BASIC ALLOWABLE FLOOR AREA (TABLE 53) = 12,000 S.F.

TOTAL ALLOWABLE S.F. 12,000 S.F.

BUILDING SYSTEMS:

STRUCTURE	STRUCTURAL STEEL FRAME AND COMPOSITE DECK
EXTERIOR WALL	CONCRETE MASONRY WALL, ALUMINUM & GLASS CURTAIN WALL METAL PANEL, BRICK VENEER
INTERIOR PARTITIONS	METAL STUDS, GYPSUM BOARD AND CMU
CEILINGS	SUSPENDED ACOUSTICAL PANELS AND GYPSUM BOARD

CSFM LISTING REQUIRED

HVAC FILTER	1994 C.M.C. 1103 (C.I.)
FIRE ALARMS	1994 C.E.C. 760–8
EARTHQUAKE SENSITIVE GAS SHUTOFF VALVES	1994 C.P.C. 1213(Q) & 1213(R)

FIRE STOPPING REQUIREMENTS

PENETRATION THRU RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE UBC STANDARD NO.43–1 (SEE 1994 CALIFORNIA BUILDING CODE SECTION 4304 & 4305).

1. FIRE RESISTIVE CONSTRUCTION

	BUILDING ELEMENT	FIRE RESISTIVE (IN HOURS)
1.	EXTERIOR BEARING WALLS	4
2.	INTERIOR BEARING WALLS	N
3.	EXTERIOR NONBEARING WALLS	N
4.	STRUCTURAL FRAME	N
5.	PARTITIONS–PERMANENT	N
6.	SHAFT ENCLOSURES	1HR.
7.	FLOOR–CEILINGS/FLOORS	N
8.	ROOFS–CEILINGS/ROOFS	N
9.	EXTERIOR DOORS AND WINDOWS	604.3.2
10.	STAIRWAY CONSTRUCTION	604.4

2. FIRE SAFETY PROVISIONS

1. VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.

2. PROVIDE AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM. SPRINKLER SYSTEM PLANS TO BE SUBMITTED TO THE ARCHITECT AND DEPARTMENT OF STATE ARCHITECT (D.S.A.) FOR APPROVAL PRIOR TO FABRICATION. ANY CHANGES TO ACCOMODATE FIELD CONDITIONS SHALL BE RESUBMITTED TO ALL PARTIES FOR APPROVAL, AND INCORPORATED WITH NO ADDITIONAL CHARGE TO OWNER. SEE SPECIFICATIONS FOR FURTHER SPRINKLER SYSTEM REQUIREMENTS. SEE ARCHITECTURAL DRAWINGS FOR DESIGN INTENT AND LOCATION CRITERIA.

3. THE FIRE SPRINKLER SYSTEM SHALL BE CALCULATED PER PAMPHLET #13, #13D #23I, OR #23IC, WHERE APPLICABLE

4. THE FIRE SPRINKLER SYSTEM SHALL BE SUPERVISED AS REQUIRED IN ALL LOCAL AND GOVERNING CODES INCLUDING THE 1994 UBC, SECTION 904 NAD NFPA 13.

5. PLANS SHOWING UNDERGROUND PIPING OF ON–SITE HYDRANTS AND SPRINKLER SYSTEMS SHALL BE SUBMITTED TO COMPTON FIRE DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION.

6. ON–SITE PROTECTION FACILITIES (I.E., HYDRANTS, SPRINKLER SYSTEMS, ETC.) SHALL BE SUBMITTED TO COMPTON FIRE DEPARTMENT AND STATE FIRE MARSHALL FOR APPROVAL PROIR TO OCCUPANCY.

7. THE INSPECTION, HYDROSTATIC TEST FLUSHING OF THE HYDRANT AND/OR SPRINKLER SYSTEM SHALL BE WITNESSED BY THE PROPER FIRE DEPARTMENT REPRESENTATIVE. NO UNDERGROUND PIPING SHALL BE COVERED WITH EARTH OR HIDDEN FROM VIEW UNTIL THE FIRE DEPARMENT REPRESENTATIVE HAS BEEN NOTIFIED AND GIVEN NO LESS THAN 48 HOURS IN WHICH TO INSPECT SUCH INSTALLATIONS.

8. THE REQUIRED FIRE FLOW FOR PUBLIC FIRE HYDRANTS AT THIS LOCATION IS 5000 GALLONS PER MINUTE AT 20 PSI FOR A DURATION OF 5 HOURS, OVER AND ABOVE MAXIMUM DAILY DOMESTIC DEMAND.

9. THE REQUIRED ON–SITE FIRE FLOW IS 5000 GALLONS PER MINUTE AT 20 PSI.

10. ALL HYDRANTS SHALL MEASURE 6" X 4" X 2 1/2", BRASS OR BRONZE, CONFORMING TO CURRENT AWWA STANDARD C503, OR APPROVED EQUAL.

11. ALL REQUIRED PUBLIC FIRE HYDRANTS SHALL BE INSTALLED , TESTED AND ACCEPTED PRIOR TO CONSTRUCTION.

12. PROVIDE PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2–A WITHIN SEVENTY–FIVE (75) FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, OR AS REQUIRED BY THE FIRE DEPARTMENT FIELD INSPECTOR. FIRE EXTINGUISHER RATING TO BE NOT LESS THAN 2–A IN ALL NON–MECHANICAL AND NON–ELECTRICAL ROOMS.

13. PROVIDE AN APPROVED FIRE ALARM WARNING SYSTEM. THREE COPIES WILL BE SUBMITTED TO THE ELECTRICAL DIVISION OF COMPTON DEPARTMENT OF BUILDING AND SAFETY, AND ONE COPY TO THE FIRE DEPARTMENT AND DEPT. OF THE STATE ARCHITECT(DSA) FOR APPROVAL PRIOR TO FABRICATION.

14. PROVIDE SMOKE DETECTORS AS PER CAC TITLE 24.

15. ALL EXIT LIGHTING AND SIGNS TO HAVE 6 INCH HIGH LETTERS IN ACCORDANCE WITH CAC TITLE 19 AND 1994 UBC, CHAPTER 10

16. EMERGENCY LIGHTING SHALL BE PROVIDED GIVING A VALUE OF ONE FOOT CANDLE MINIMUM AT FLOOR LEVEL IN ALL EXIT CORRIDORS AND STAIR SHAFTS.

17. PROVIDE EXIT SIGNS PER CAC TITLE 24.

18. PROVIDE LOW–LEVEL SIGNS PER CAC TITLE 24, SECTION 3314–E. SIGNS SHALL BE U.L. TESTED AND APPROVED BY STATE FIRE MARSHAL.

19. PROVIDE LOW–LEVEL EXIT PATH MARKING PER CAC TITLE 24, SECTION 3314–F. ALL EXIT CORRIDORS SHALL BE PROVIDED WITH THIS CONTINUOUS LOW–LEVEL EXIT PATH MARKING. EXIT PATH MARKING SHALL BE TESTED AND APPROVED BY STATE FIRE MARSHAL.

20. PROVIDE APPROVED EXITING ILLUMINATION AND ILLUMINATED EXIT SIGNS WHICH ARE POWERED FROM SEPARATE SOURCES. CAC TITLE 24.

21. FIRE DAMPERS SHALL BE PROVIDED WHERE AIR DUCTS PENETRATE FIRE RATED WALLS, AND SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED.

22. ALL LEGAL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT, AND SHALL SWING IN THE DIRECTION OF EGRESS WHEN SERVING AN OCCUPANT LOAD OF 50 OR MORE

23. ALL INTERIOR WALL AND CEILING FINISHES SHALL BE INSTALLED IN ACCORDANCE WITH 1994 EDTION UNIFORM BUILDING CODE.

24. ROOMS AND AREAS TO BE USED FOR STORAGE AND HANDLING OF FLAMMABLE LIQUIDS SHALL CONFORM TO 1994 CALIFORNIA BUILDING CODE, 1994 EDITION OF UNIFORM FIRE CODE, ARTICLE 79.

25. ANY DECORATION USED SHALL BE NON–COMBUSTIBLE OR FLAME–PROOFED IN AN APPROVED MANNER (CAC TITLE 19) (CURTAINS, DRAPES, SHADES, HANGINGS, ETC.)

26. SPECIAL EXTINGUISHING SYSTEMS, COMPRESSORS OR LIQUID GAS MANIFOLD AND UNDERGROUND TANKS AND PIPING SHALL BE UNDER PERMIT OF DEPT. OF THE STATE ARCHITECT(DSA)

27. ALL RATED DOORS SHALL HAVE GASKET AT HEAD AND JAMBS. AT DOUBLE DOORS PROVIDE RATED ASTRAGAL WITH COORDINATOR.

28. BUILDING IDENTIFICATION NUMBER TO BE PROVIDED ON THE FRONT OF BUILDING AND SHALL BE VISIBLE AND LEGIBLE FROM STREET FRONTING THE PROPERTY. SAID NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. FIRE CODE 10.208

29. POST "NO–PARKING FIRE LANE" SIGNS ALONG VEHICULAR ACCESS ROADWAYS ADJACENT TO MATH–SCIENCE BUILDING WITH INTERMITTENT SPACING DISTANCES OF 150 FEET. (FIRE CODE 10.207 (L).)

30. ALL PENETRATION OF PIPES, CONDUITS, ETC. IN FLOORS AND IN WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY AND APPROVED BY THE DEPT. OF THE STATE ARCHITECT (DSA)

31. NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED
   A. IF EMERGENCY WARNING IS REQUIRED, THEN IT SHALL ACTIVATE A MEANS OF WARNING FOR THE HEARING IMPAIRED. SECTION 310A(E) & 7204(A).
   B. APPROVED NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF NFPA 72G IN THE FOLLOWING AREAS: CH 60, SECTION 2–4.9.1.
      A. OCCUPIED ROOMS WHERE AMBIENT NOISE IMPAIRS HEARING OF THE FIRE ALARM.
      B. LOBBIES
      C. ANY OTHER AREA FOR COMMON USE.
   C. STROBE SIGNALING DEVICES REQUIRED FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHALL APPROVED AND LISTED. SECTION 7203(C)
   D. NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED SHALL ALSO BE PROVIDED WITH THE FOLLOWING:
      A. A SPECIFICATION VALUE NOT TO EXCEED 3 FLASHES PER SECOND AND NOT SLOWER THAN 1 FLASH PER SECOND. 3–2.3.1.
      B. A CLEAR OR NOMINAL WHITE COLORED LIGHT SOURCE. 3–2.3.3.
      C. PLACEMENT AS LOW AS POSSIBLE, BUT NO LOWER THAN A MINIMUM OF 80" (2 METER) ABOVE THE FLOOR AND A MINIMUM OF 6" (0.15 METER) BELOW THE CEILING. 5–2.1.1.
      D. NOTIFICATION APPLIANCES FOR OCCUPANCE IS REQUIRED TO COMPLY WITH ADA SHALL COMPLY WITH THE FOLLOWING: 3–2.4.1.4 & 5–2.1.6.
         - A PULSING LIGHT SOURCE OF NOT LESS THAN 75 CANDELA SHALL BE PROVIDED.
         - NO PLACE IN ANY ROOM OR SPACE REQUIRED TO HAVE A VISUAL SIGNAL APPLIANCE SHALL BE MORE THAN 50": (15 METERS) FROM THE SIGNAL (IN THE HOR. PLANE). LARGE ROOMS AND SPACES EXCEEDING 100? (30 METERS) ACROSS, WITHOUT OBSTRUCTIONS 6" (2 METERS) ABOVE THE FIN. FLR. SUCH AS ADITORIUMS, DEVICES MAY BE PLACED AROUND THE PERIMETER, SPACED A MAXIMUM 100? (30 METERS) APART, IN LIEU OF SUSPENDED APPLIANCES FROM THE CEILING
         - NO PLACE IN COMMON CORRIDORS OR HALLWAYS IN WHICH VISUAL ALARM SIGNALING APPLIANCES ARE REQUIRED SHALL BE MORE THAN 50" (15 METERS) FROM THE SIGNAL.

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DATE 3-20-98

LOT DATE: 02.20.98

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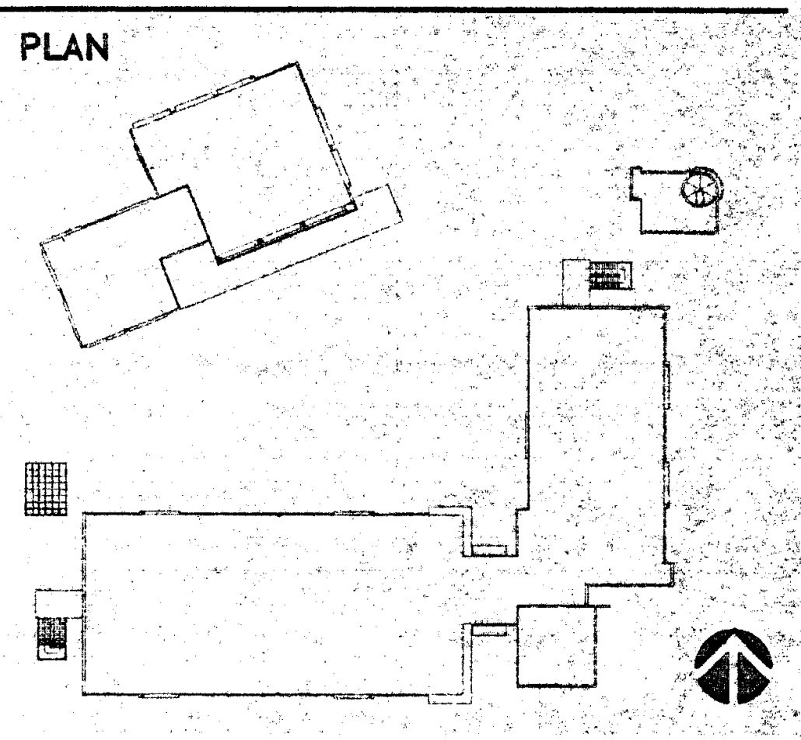
C-13600
3-31-99
RENEWAL DATE

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH–SCIENCE BUILDING

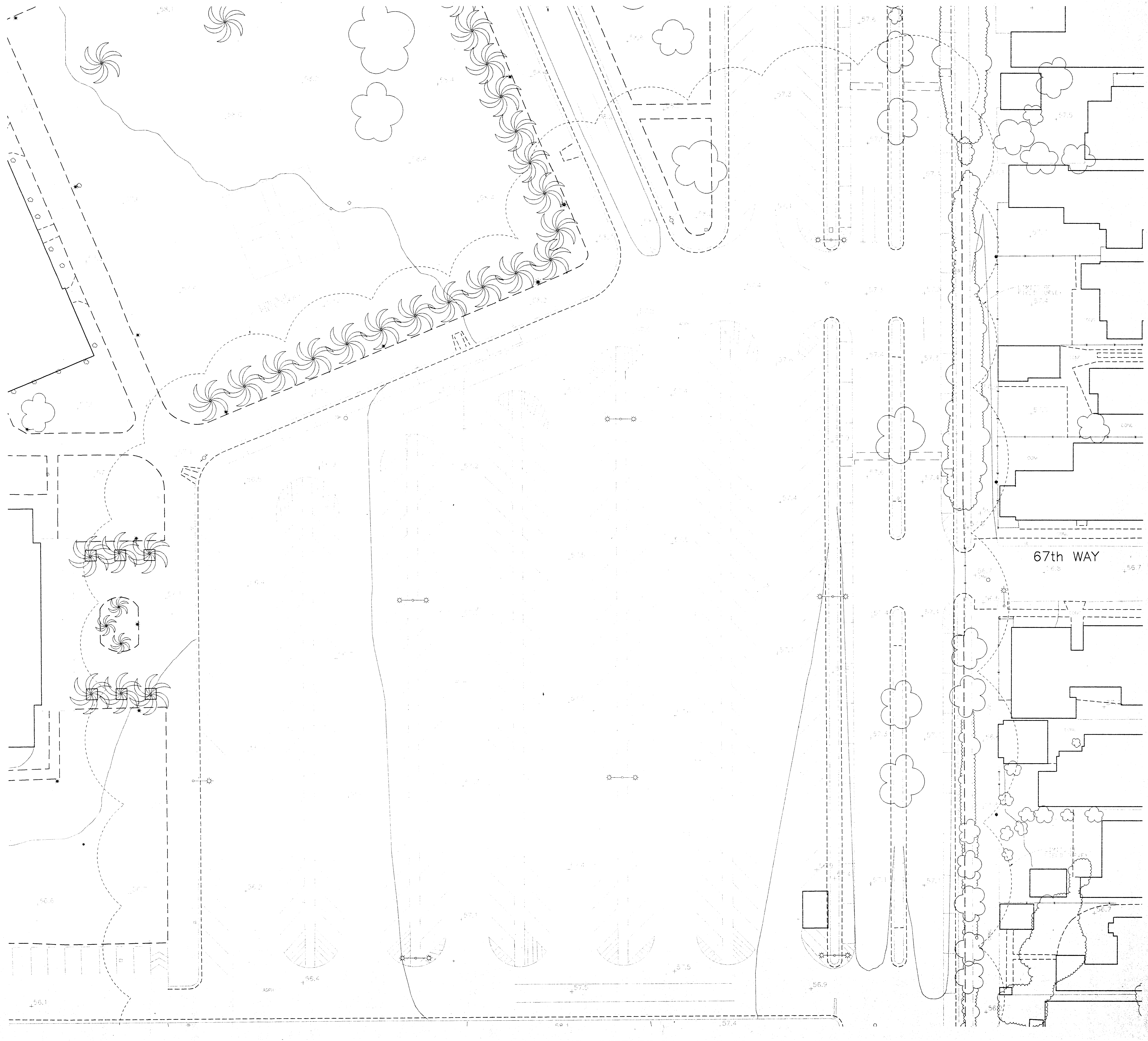
PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

CODE ANALYSIS

FILE:	CMA0–05	SHEET NO.
SCALE		G0.5
JOB NO.	JGM	
DATE	02.20.98	OF ___ SHEETS



NOTE:

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METHODS IN MARCH 1993; UPDATED BY
FIELD SURVEY TO THE LIMITS SHOWN HEREON

BENCHMARK:

B.M. No. DY-2374 ELEV. 59.695
STD DISC TOP OF CONC POST 3ft N
OF MILE POST No. 495 SPRR & 38ft
E C/L SPRR 2ft BELOW TOP OF
RAIL & 0.15 MI S/O GREENLEAF BLVD.
113 ft E/O C/L ALAMEDA ST.
MKD (Q 768 1945)
BASELINE QUAD 1990 ADJ.

LOT DATE: 07.23.97

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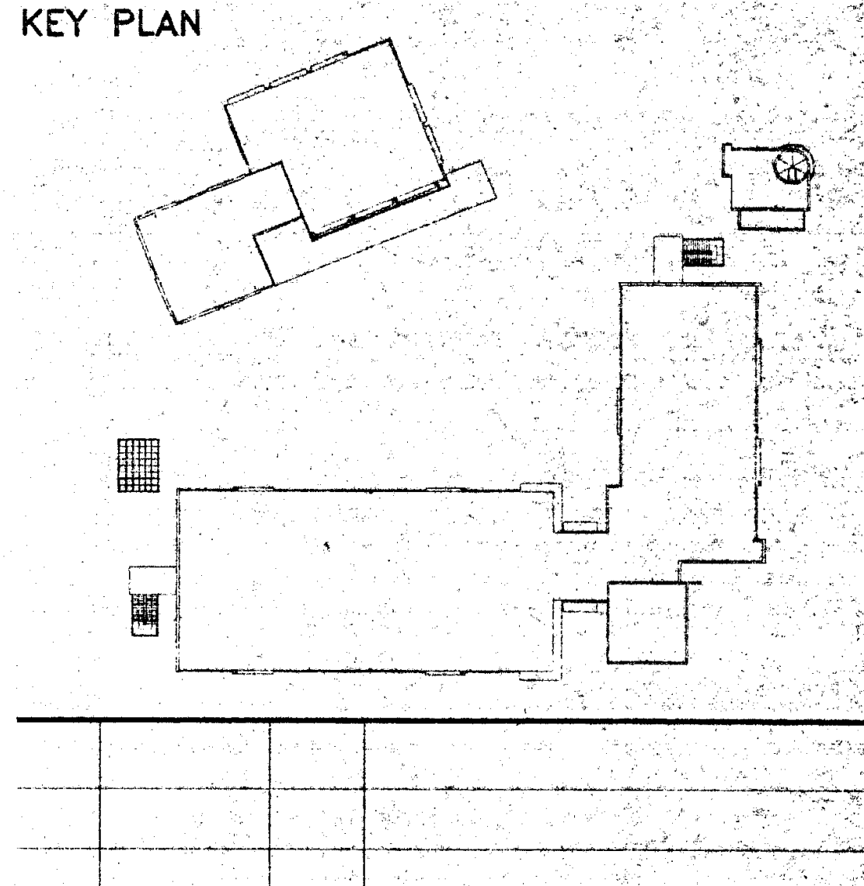
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ___ FLS ___ SS ___
3-20-98

KEY PLAN



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PROJECT

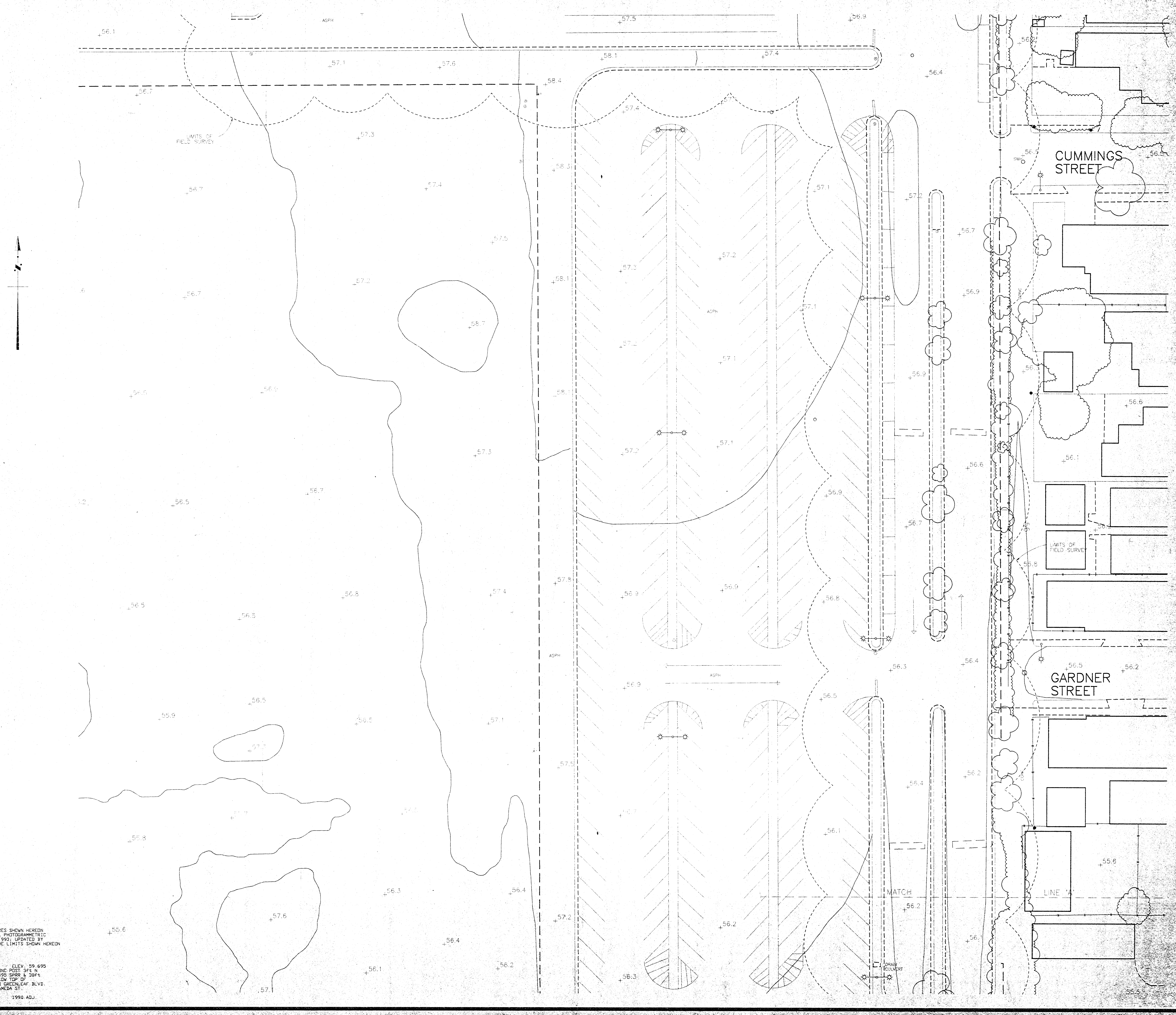
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
EXISTING
CONDITIONS
NORTH

FILE: *FILE*
SCALE *1"=20'*
JOB NO. *JGM*
DATE 07.25.97

SHEET NO.
G0.6
OF ______ SHEETS



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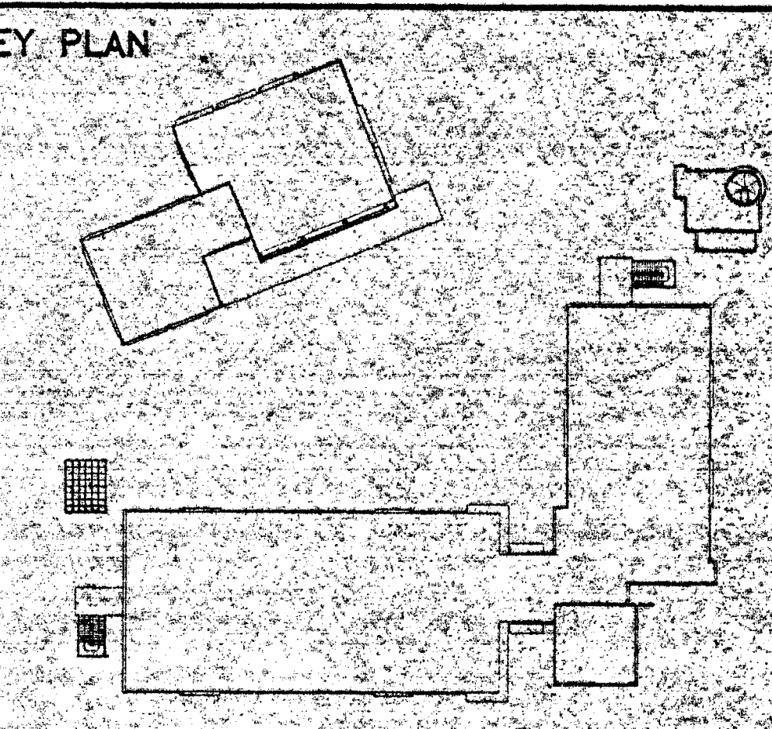

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PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

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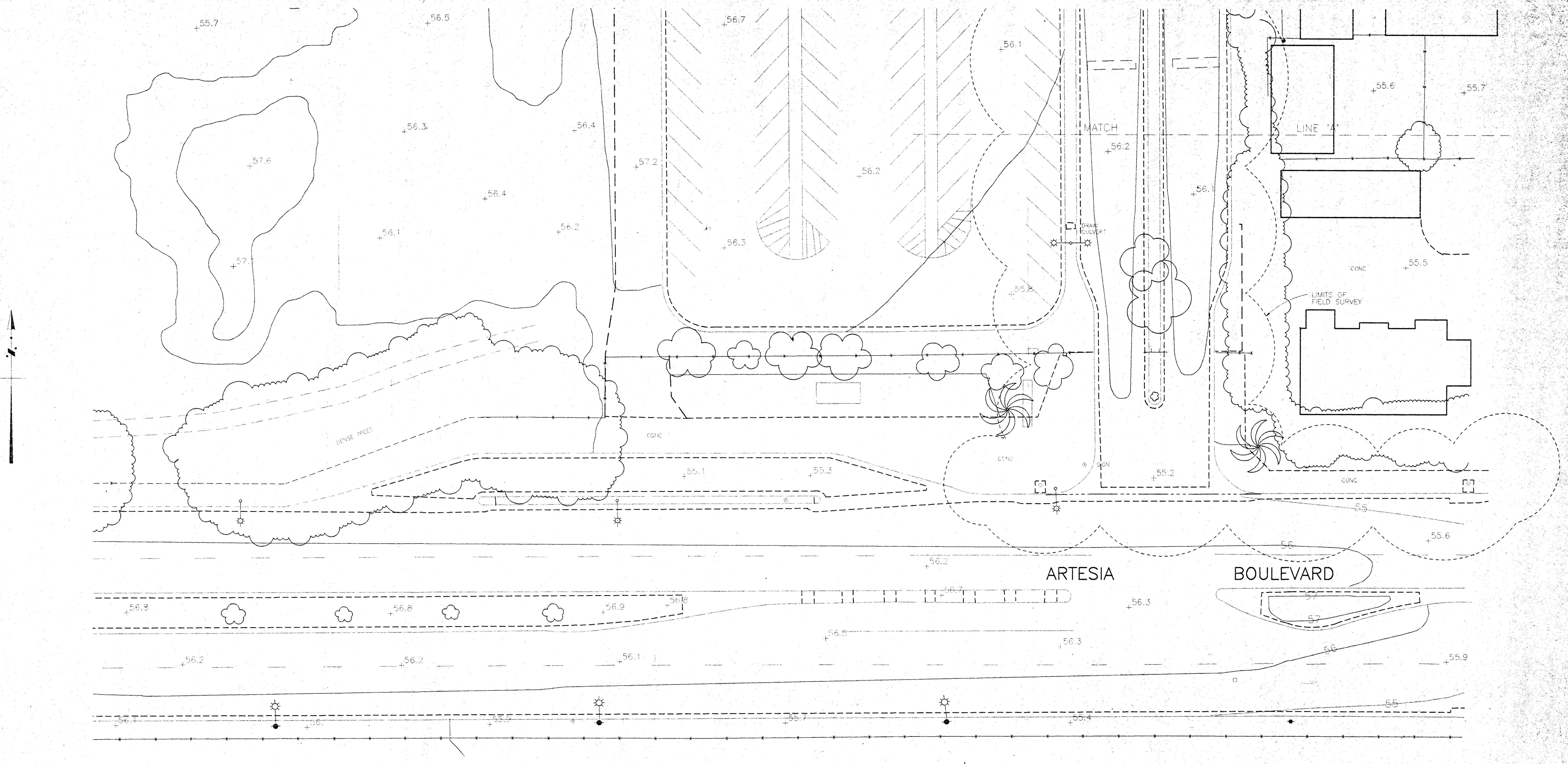
COMPTON, CALIFORNIA

SHEET TITLE

EXISTING CONDITIONS SOUTH

FILE: *FILE*
SCALE: *1"=20'*
JOB NO. *JGM*
DATE: 07.25.97

SHEET NO.
G07
OF ____ SHEETS



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DATE 3-20-98

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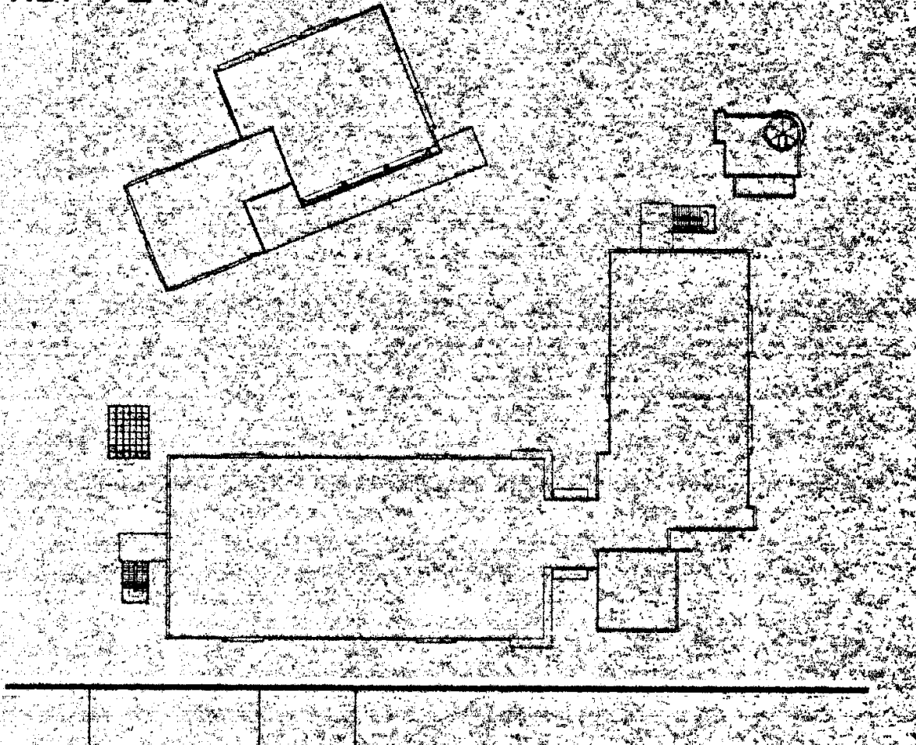

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HEALTH + SAFETY
MATH-SCIENCE BUILDING

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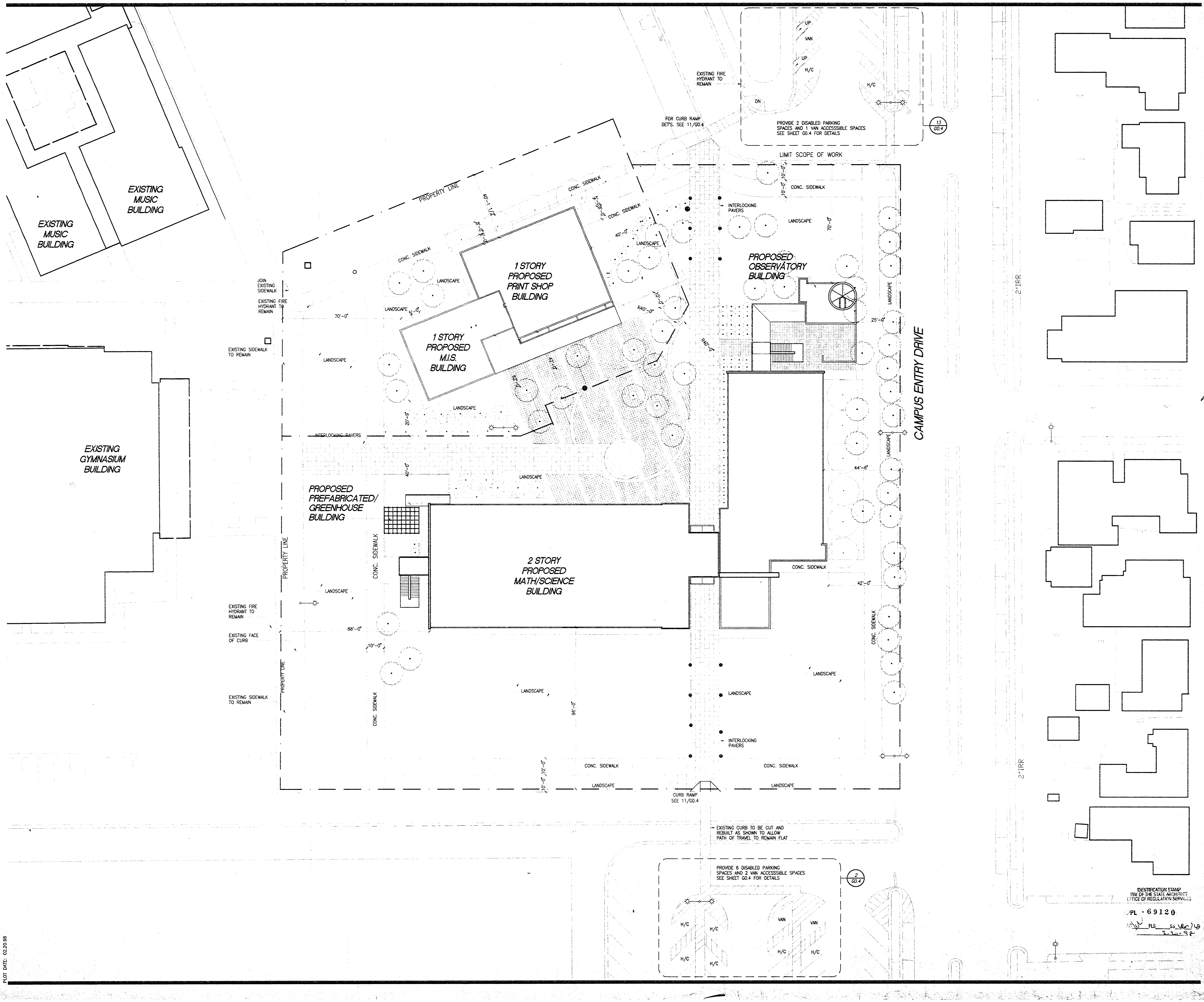
SHEET TITLE
EXISTING
CONDITIONS
SOUTH

FILE FILE
SCALE 1"=20'
JOB NO. JGM
DATE 07.25.97

SHEET NO.
G0.8
OF SHEETS



PLOT DATE: 02.20.98

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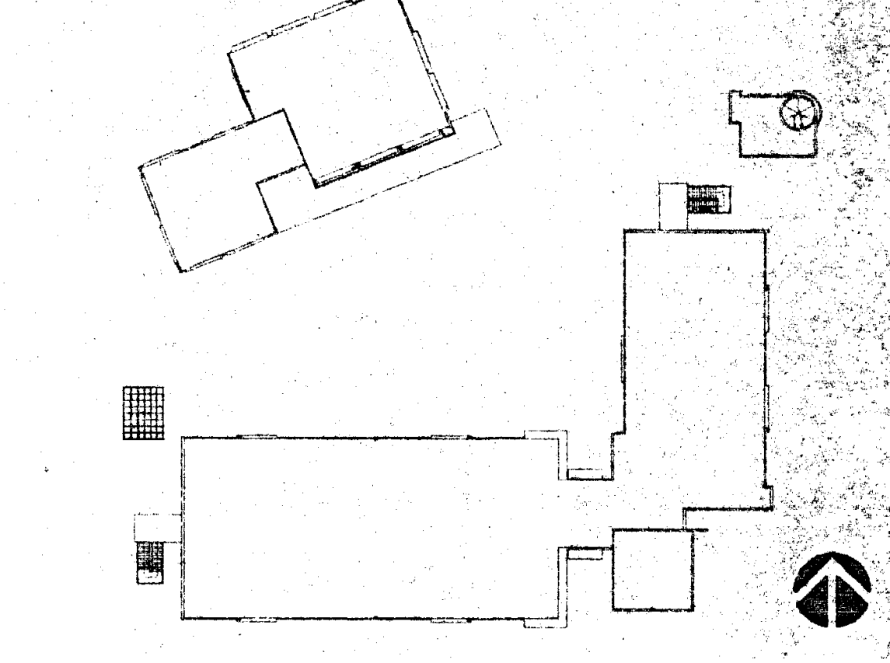
3-31-99
RENEWAL DATE

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

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COMPTON, CALIFORNIA

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
APPL · 69120
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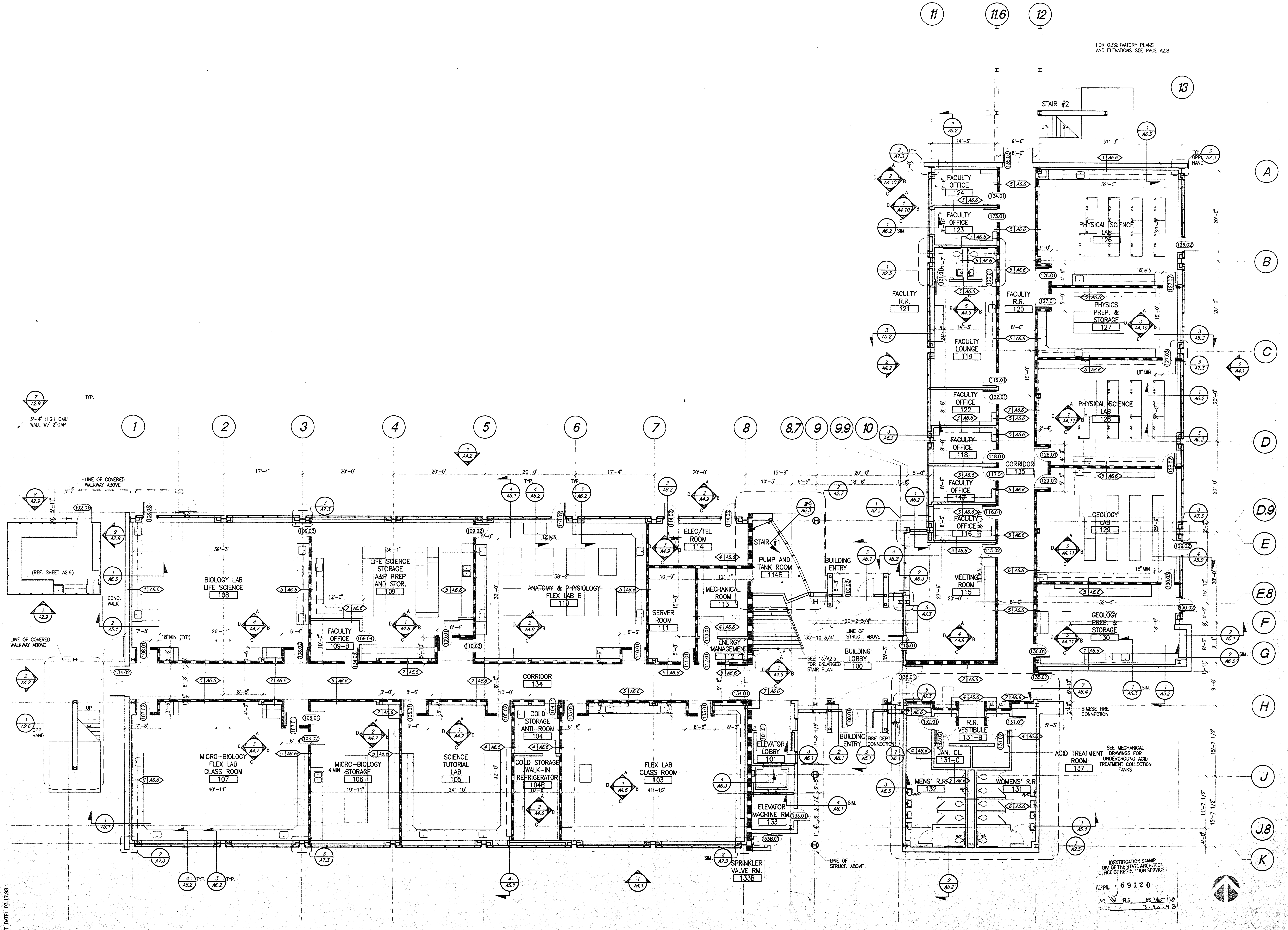
3-20-98

SHEET TITLE

SITE PLAN

FILE:	CMA1-01	SHEET NO.
SCALE	1"=20'-0"	A1.1
JOB NO.	JGM	
DATE	02.20.98	OF ____ SHEETS



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DATE 3.20.98

PLOT DATE: 03.17.98

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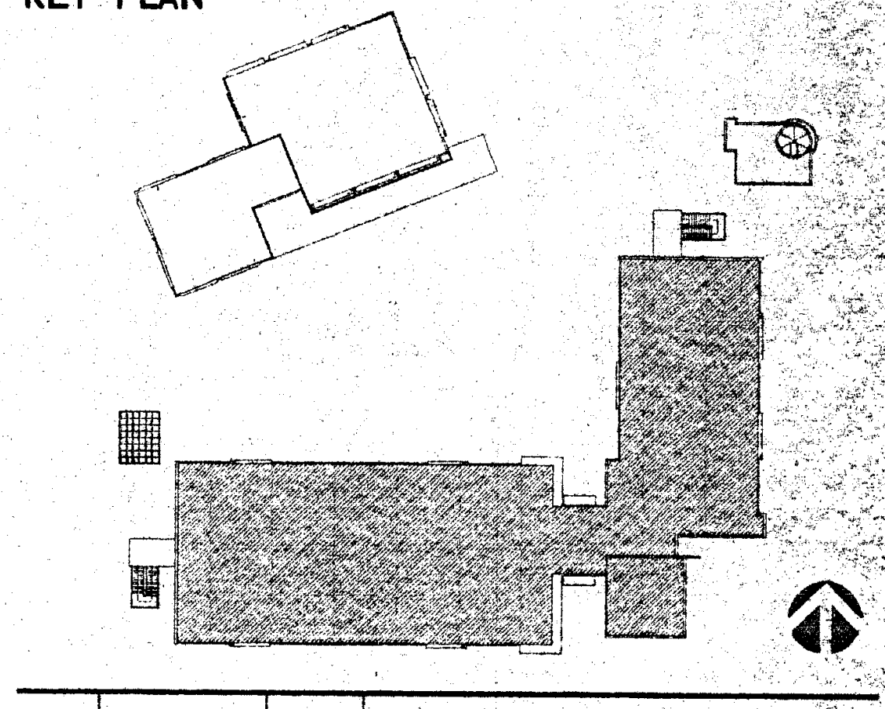
MORRIS R. POINDEXTER
C 13900
3-31-99
RENEWAL DATE

GENERAL NOTES:

▨ 1 HR WALL SEE SHEET A6.6 FOR DETAIL TYPES

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
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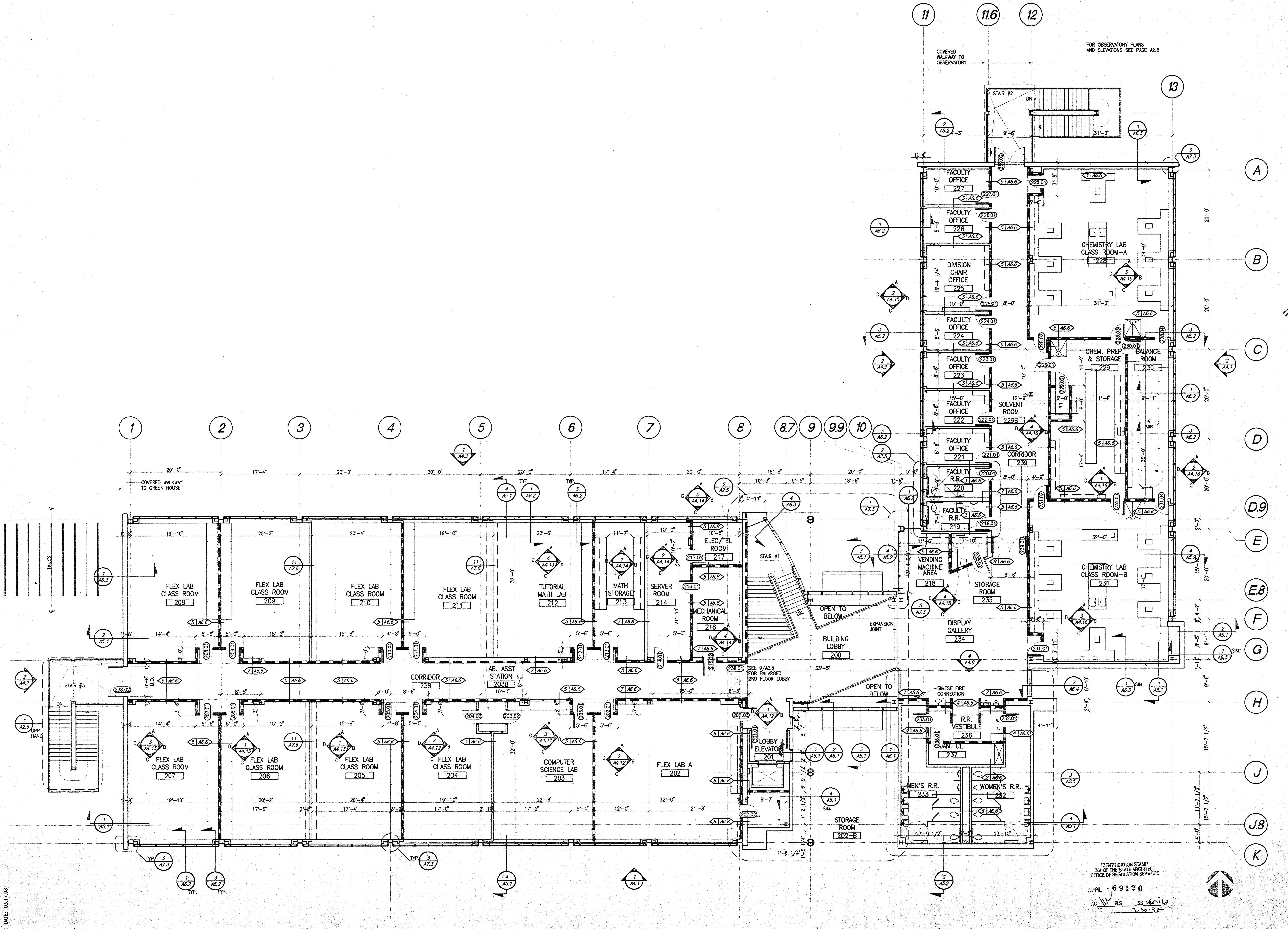
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MATH SCIENCE BUILDING FIRST FLOOR PLAN

FILE: CMA2-01
SCALE 1/8=1'-0"
JOB NO. JGM
DATE 03.06.98

SHEET NO.
A2.1
OF ___ SHEETS



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AC W FLS ____ SS
DATE 3-20-98

PLOT DATE: 03.17.98

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MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

GENERAL NOTES:

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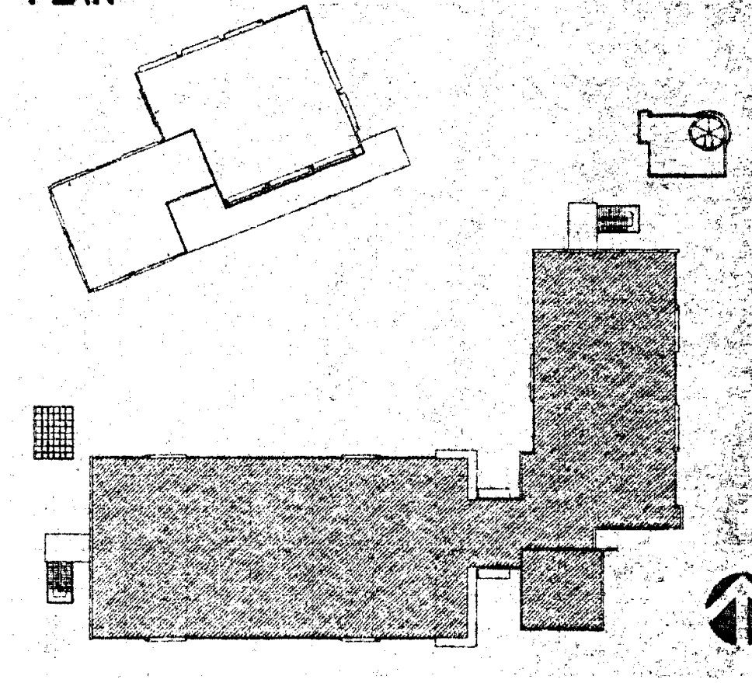
KEY PLAN



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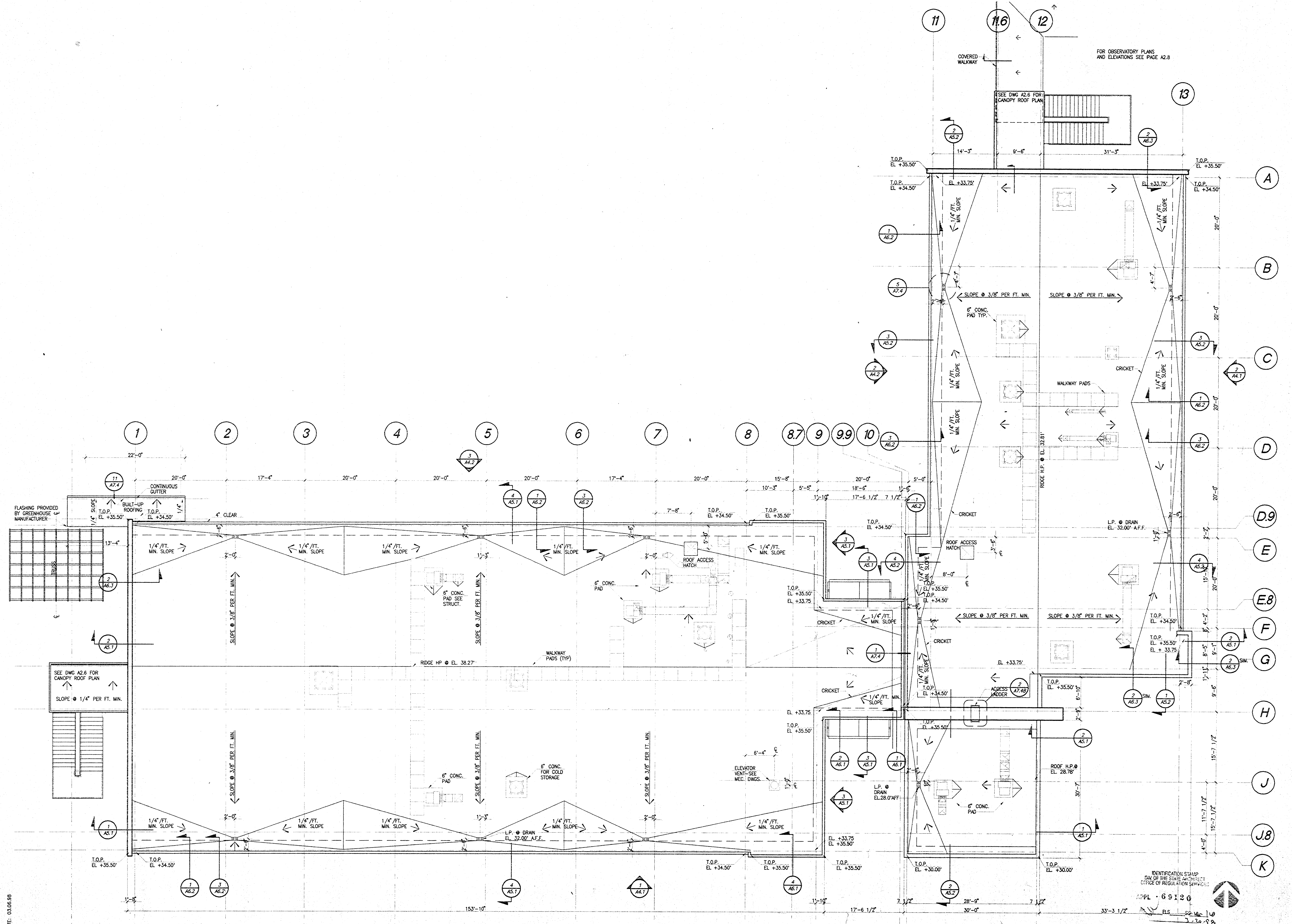
PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE
BUILDING SECOND
FLOOR PLAN

FILE:	CMA2-02	SHEET NO.
SCALE	1/8=1'-0"	A2.2
JOB NO.	JGM	
DATE	03.06.98	OF ____ SHEETS



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APPL · 69120
ELS
3-20-98

PLOT DATE: 03.06.98

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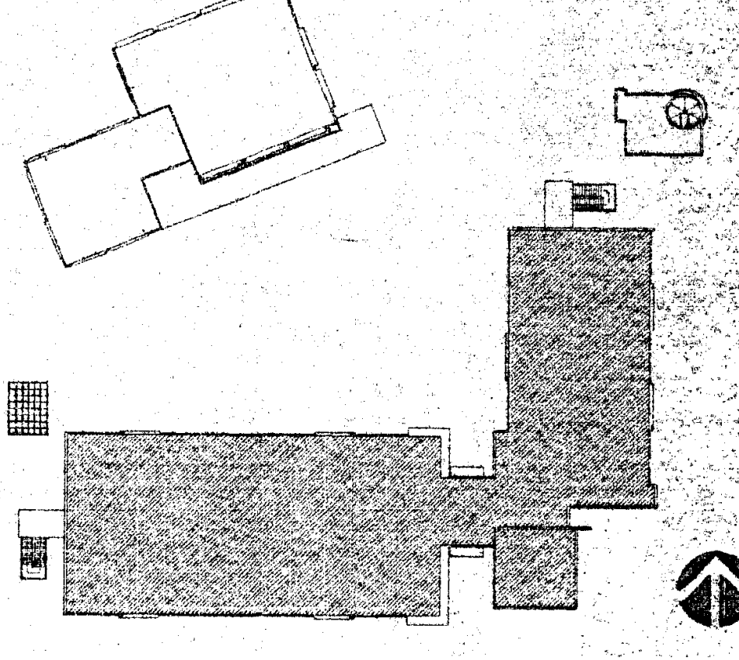
MORRIS R. POINDEXTER
C-13900
9-31-99

GENERAL NOTES:

1. COORDINATE ACTUAL DIMENSIONS OF ALL HOUSE PADS WITH EQUIPMENT MANUFACTURER.

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

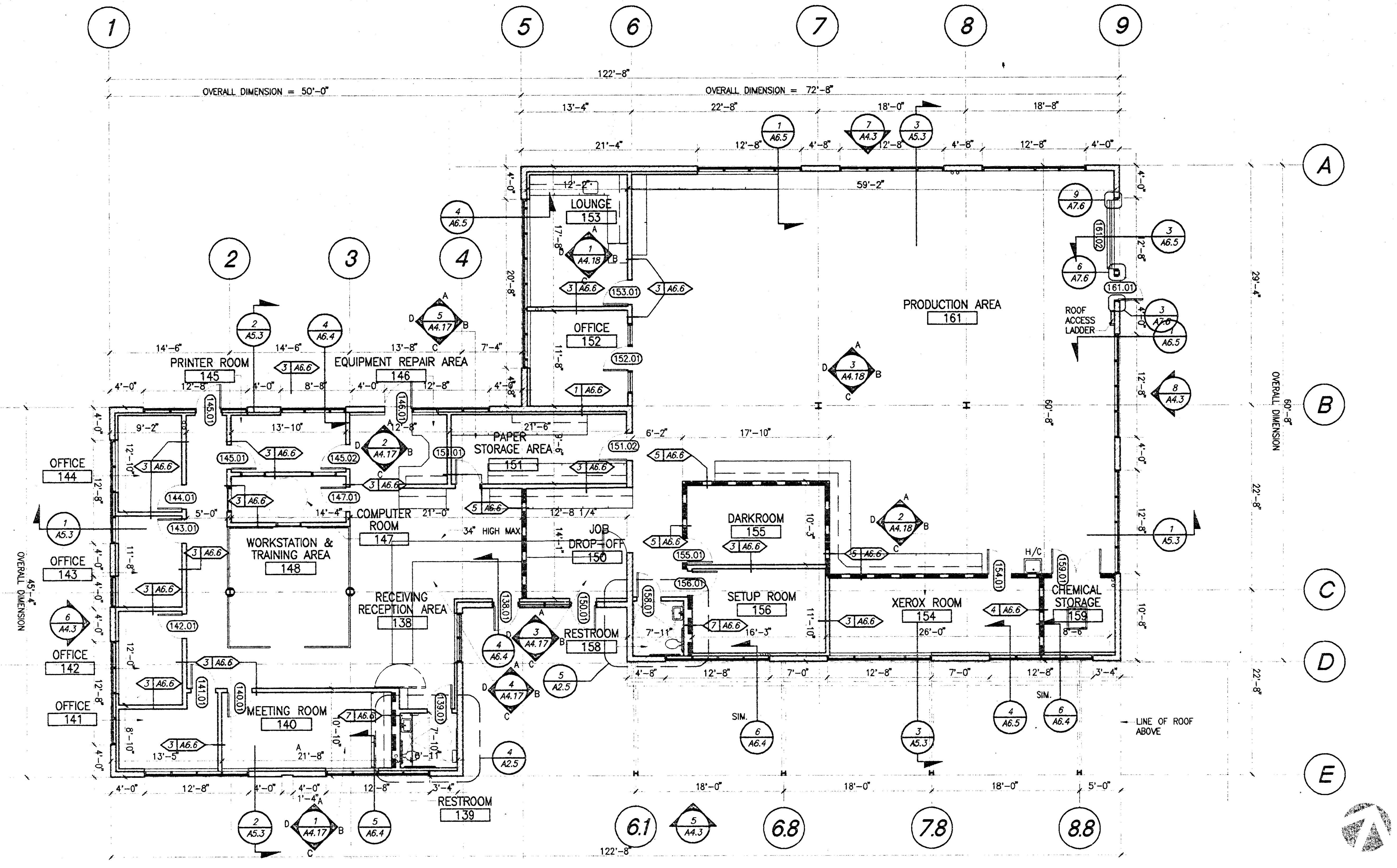
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MATH SCIENCE BUILDING ROOF PLAN

FILE:	CMA2-03
SCALE	1/8=1'-0"
JOB NO.	JGM
DATE	03.06.98

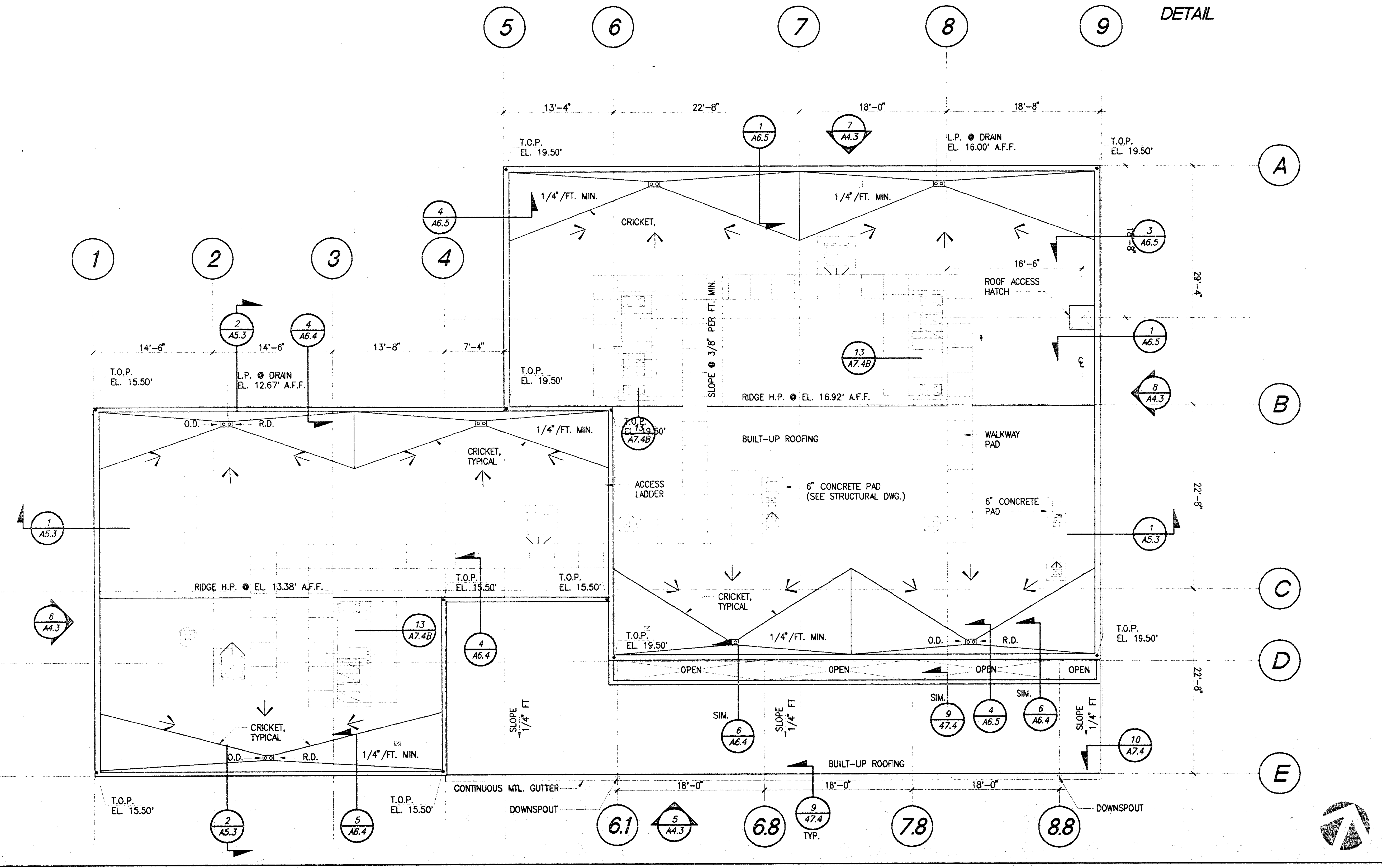
SHEET NO.
A2.3
OF______SHEETS



PRINT SHOP/MIS FIRST FLOOR PLAN

1/8"=1'-0" 1

DETAIL



PRINT SHOP/MIS ROOF PLAN

1/8"=1'-0" 2

PLOT DATE: 03.17.98

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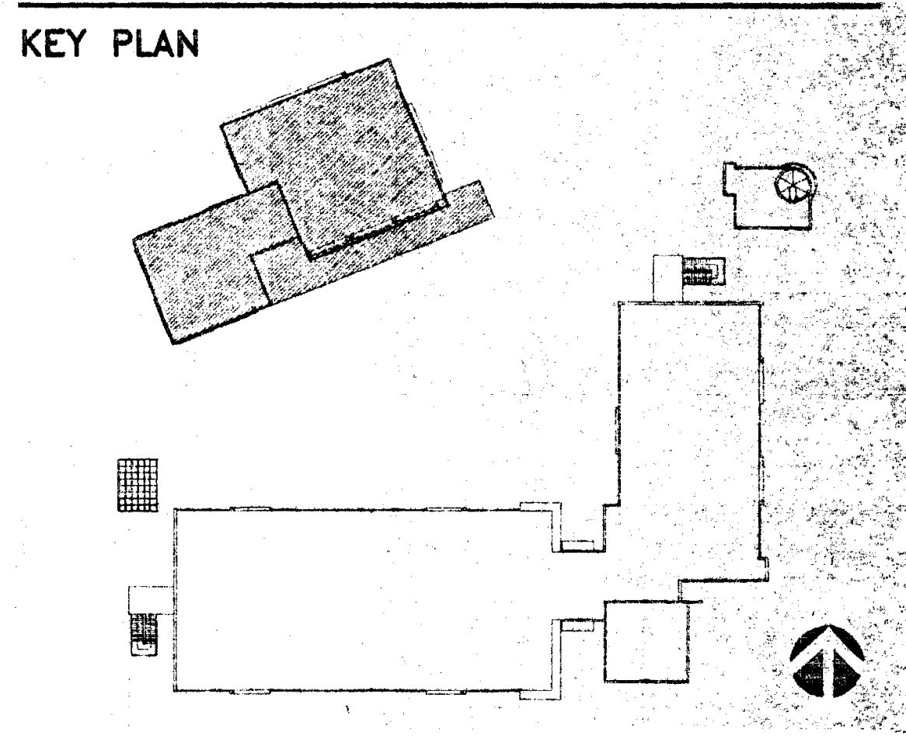
MORRIS R. POINDEXTER C-13900 3-31-99

GENERAL NOTES:

1. COORDINATE ACTUAL DIMENSIONS OF ALL HOUSE PADS WITH EQUIPMENT MANUFACTURER.

KEY PLAN



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MATH-SCIENCE BUILDING

PREPARED FOR

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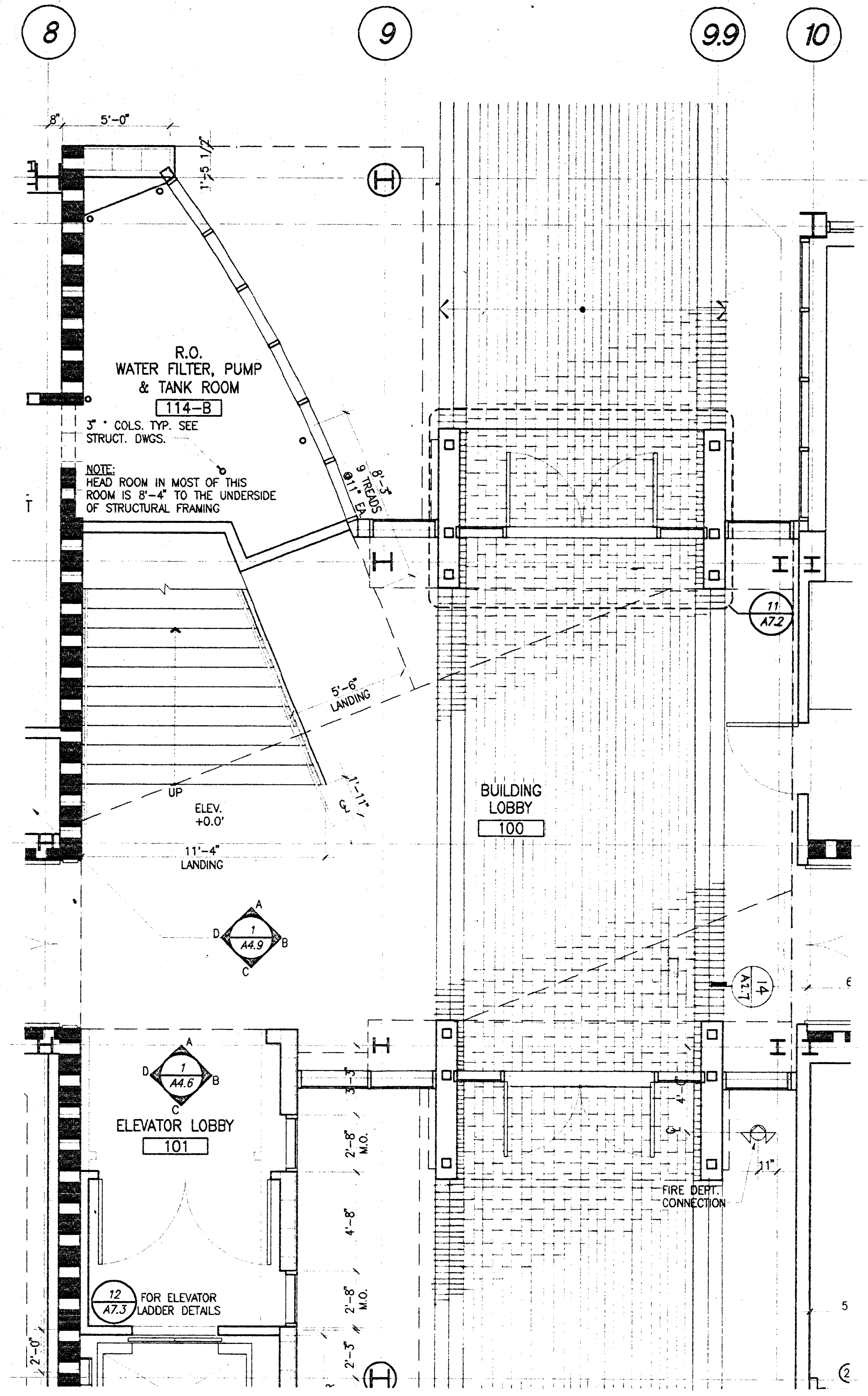
SHEET TITLE

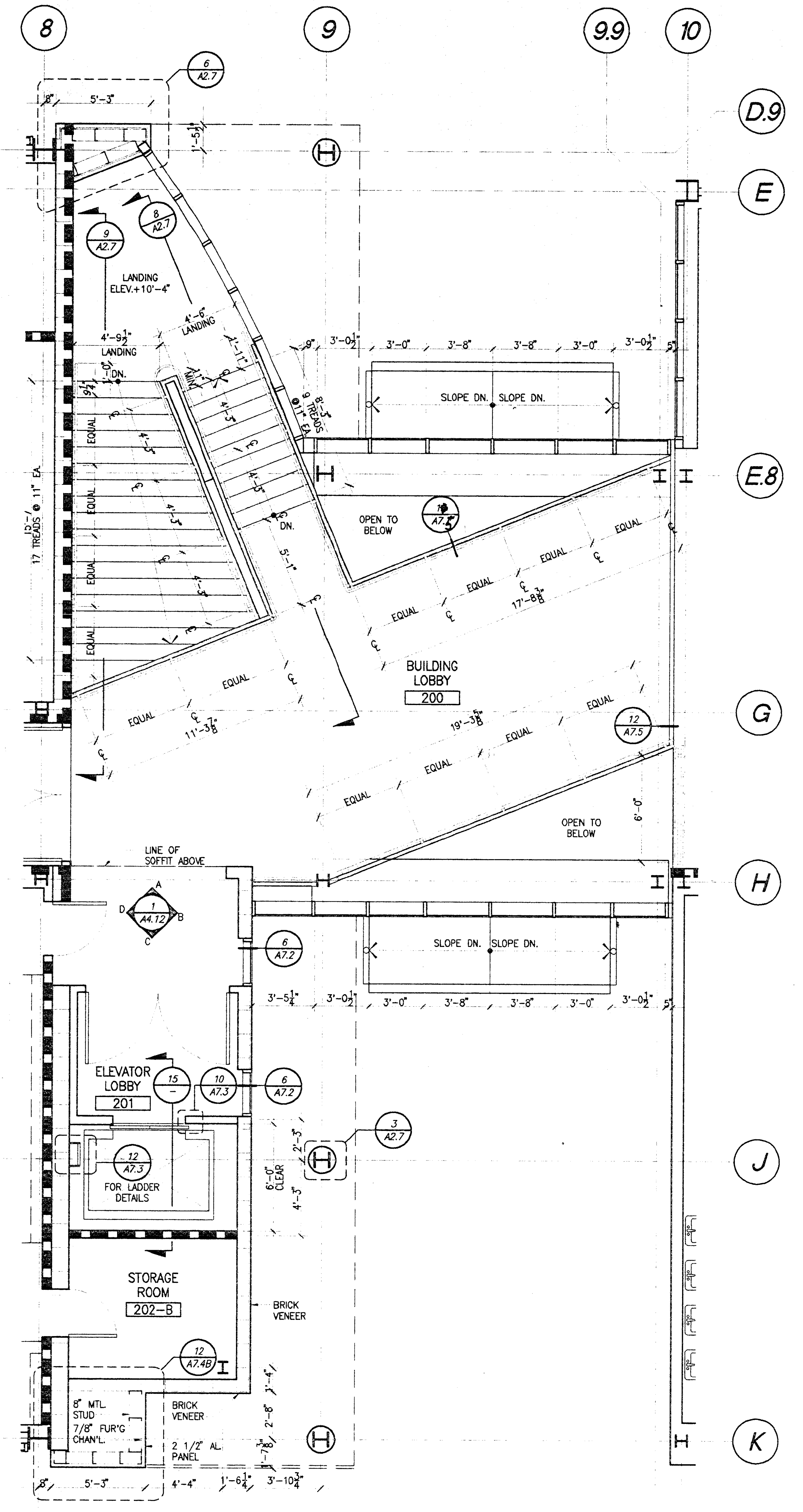
MIS/PRINT SHOP BUILDING
FIRST FLOOR PLAN
+ ROOF PLAN

FILE: CMA2-04
SCALE 1/8=1'-0"
JOB NO. JGM
DATE 03.06.98

SHEET NO. A2.4
OF ___ SHEETS



ENLARGED 1ST FLOOR LOBBY 1/4"=1'-0" CMFP01 14 A2.1



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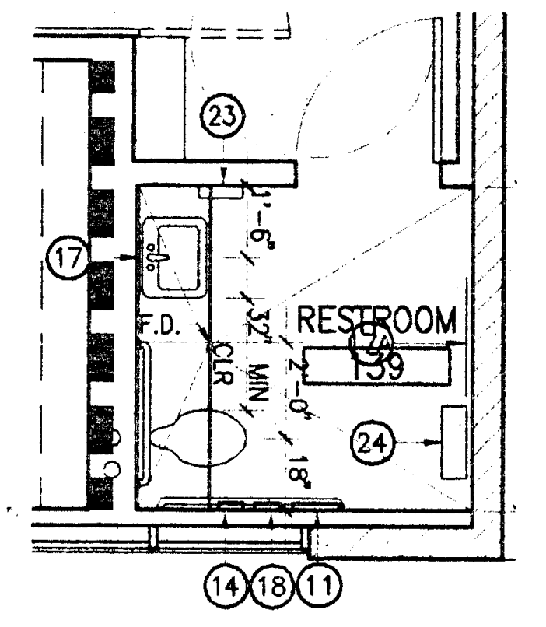
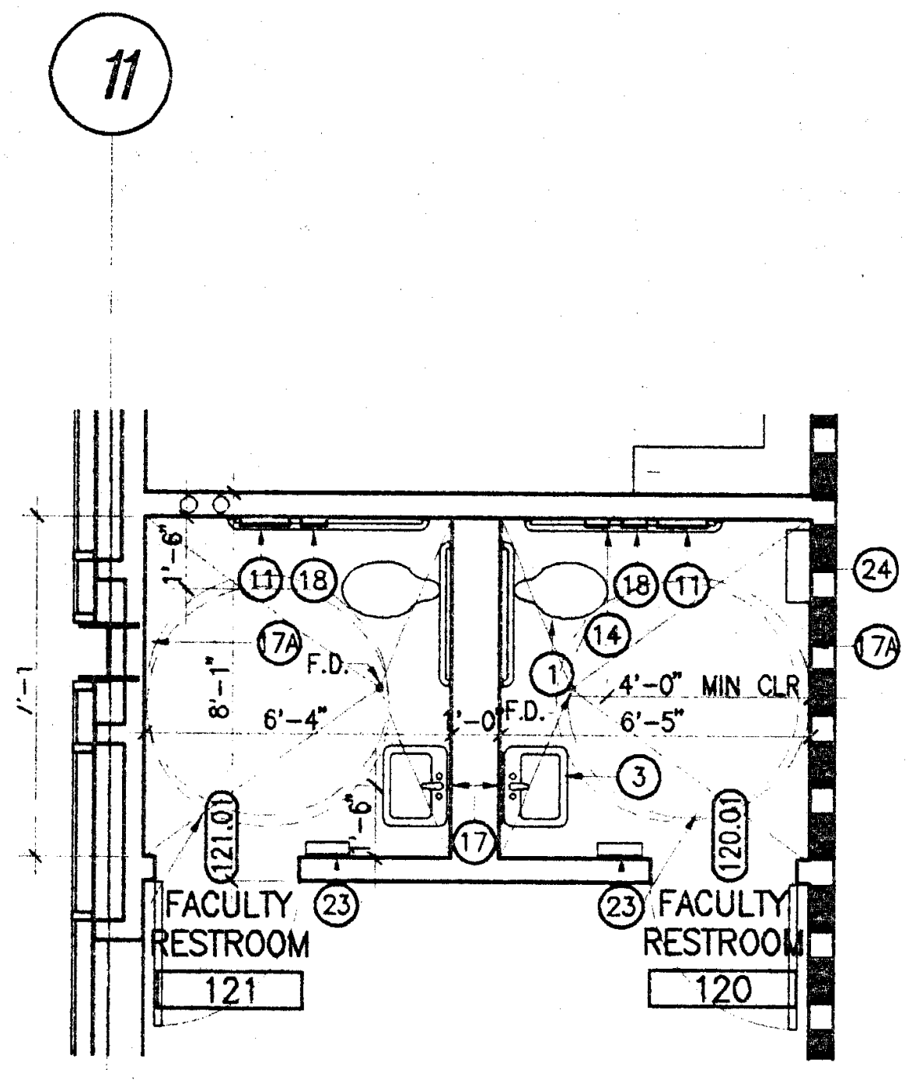
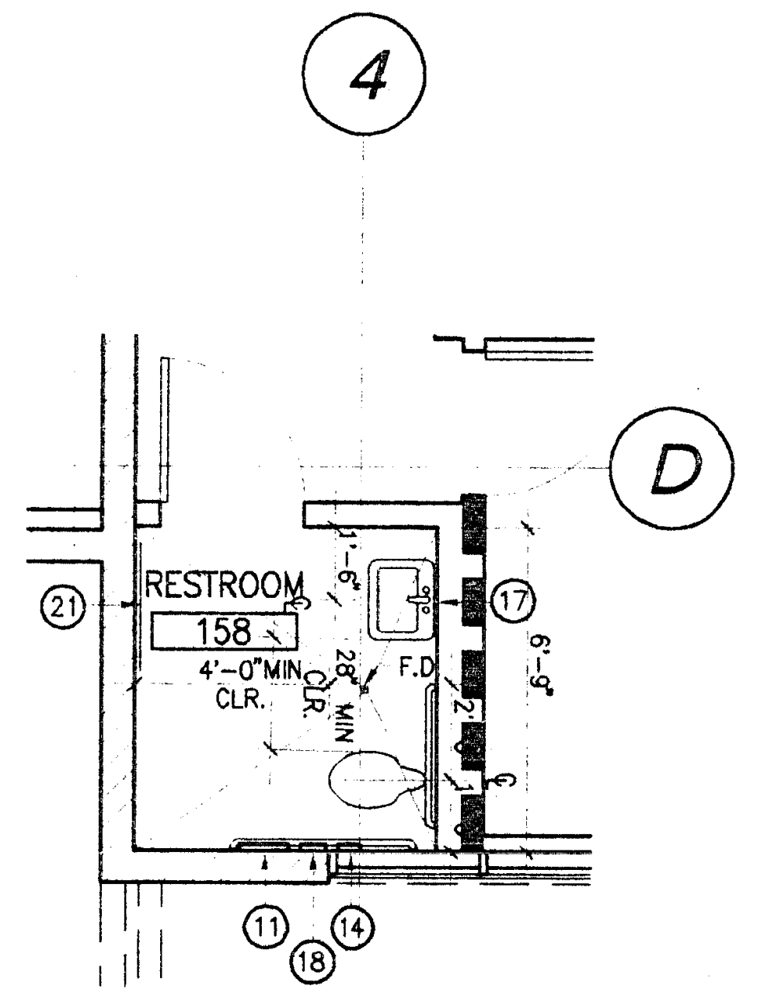


ENLARGED MIS + PRINTSHOP R.R. PLAN 1/4"=1'-0" CMFP01 4 A2.1



ENLARGED FACULTY R.R. @ 1ST FLOOR 1/4"=1'-0" CMFP01 1 A2.1



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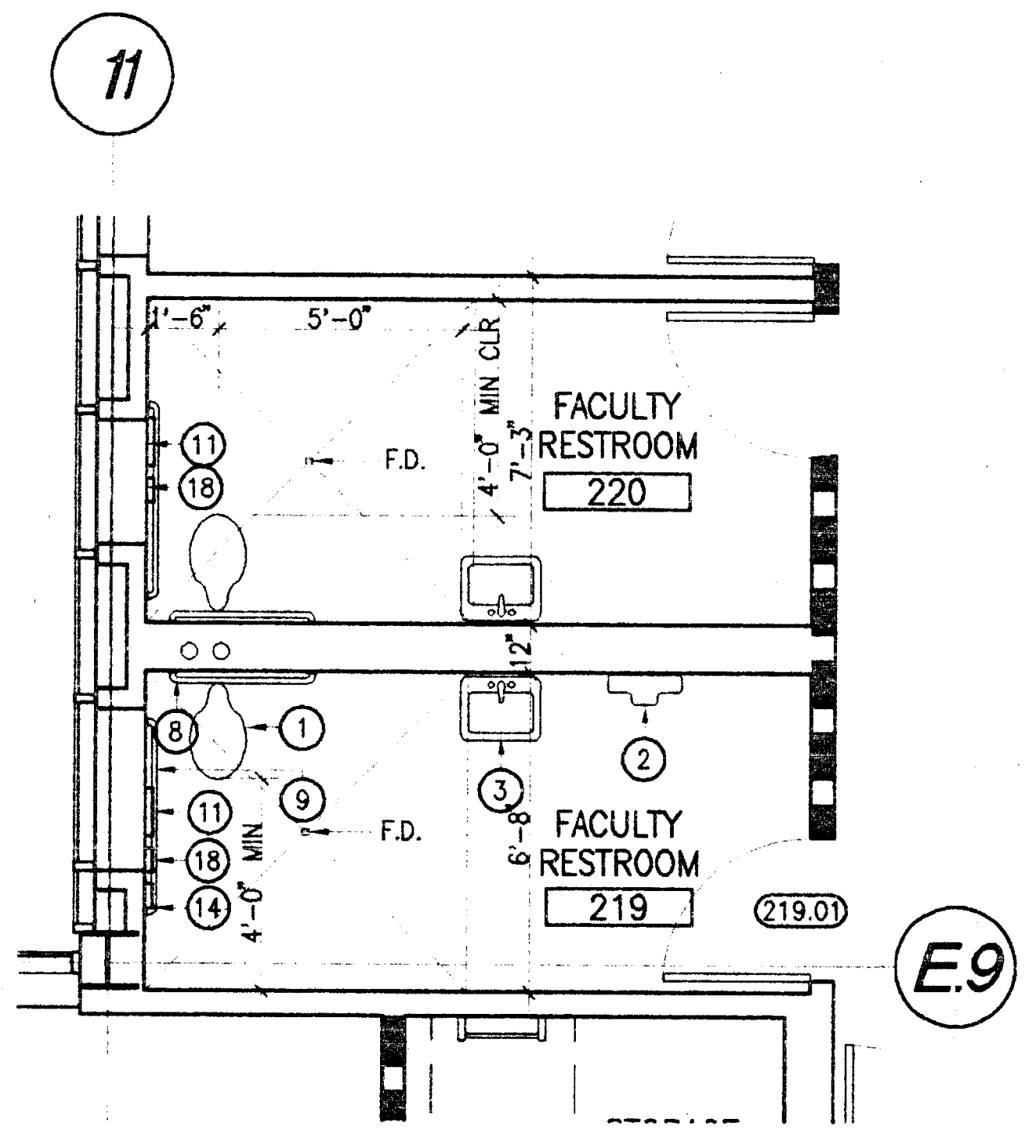

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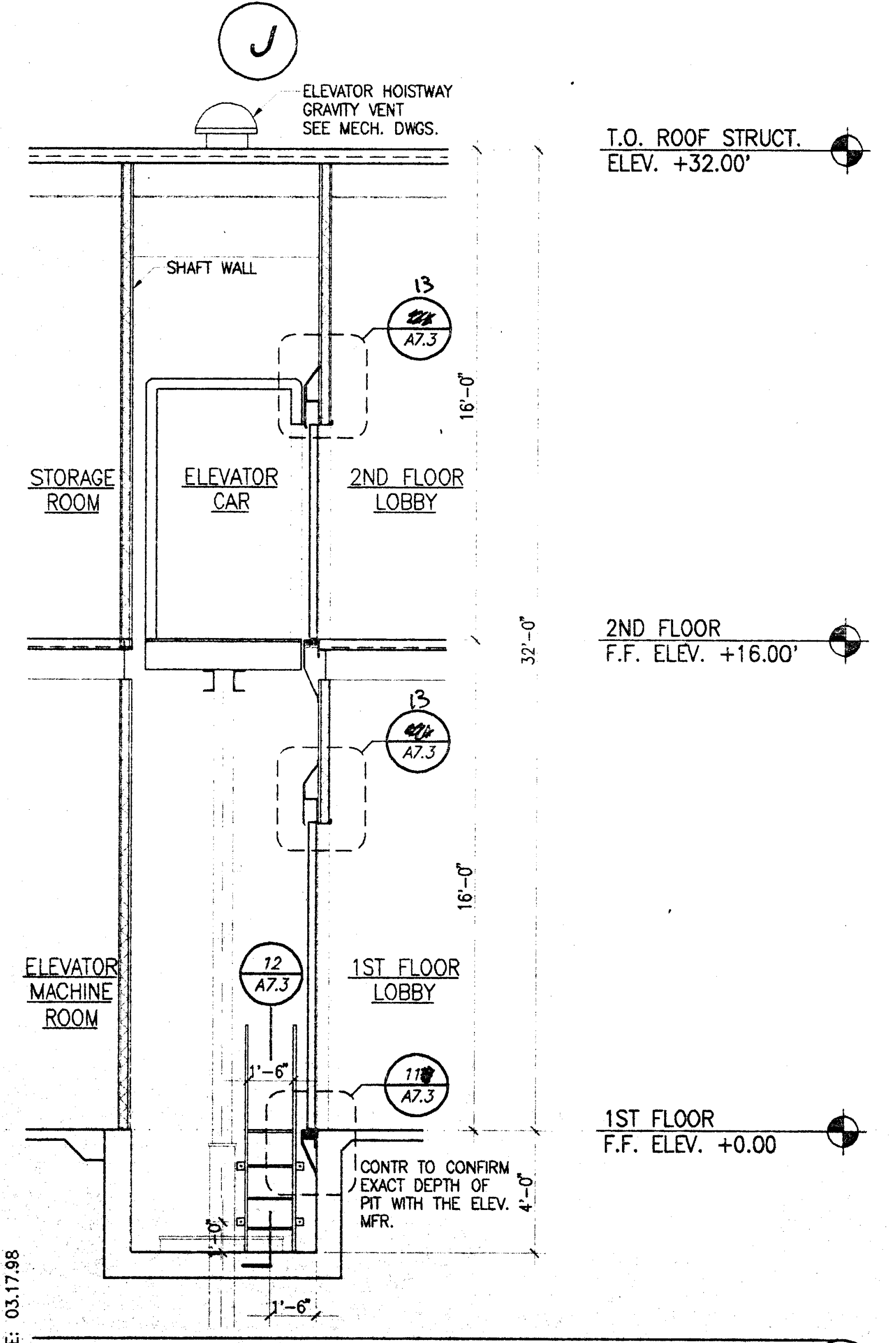
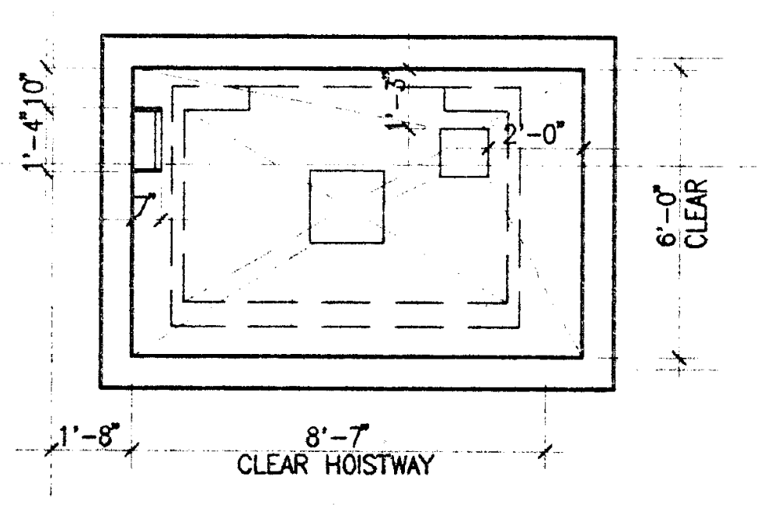
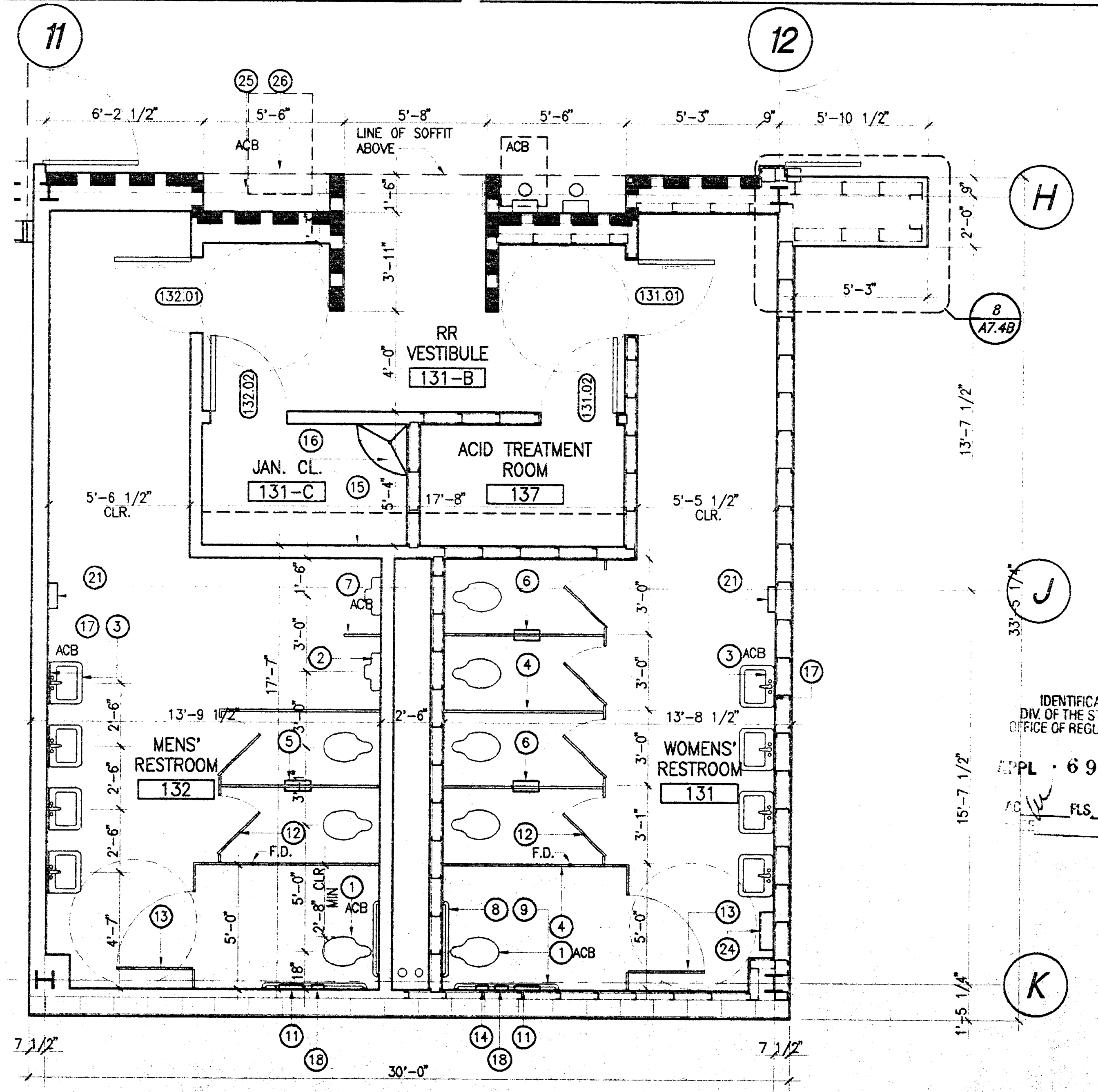


ELEVATOR SECTION 1/4"=1'-0" CMES01 15 A2.1



ENLARGED ELEVATOR PIT PLAN 1/4"=1'-0" CMFP01 9



ENLARGED TYPICAL STUDENT RESTROOM PLAN 1/4"=1'-0" CMFP01 3 A2.1

PLOT DATE: 03.17.98

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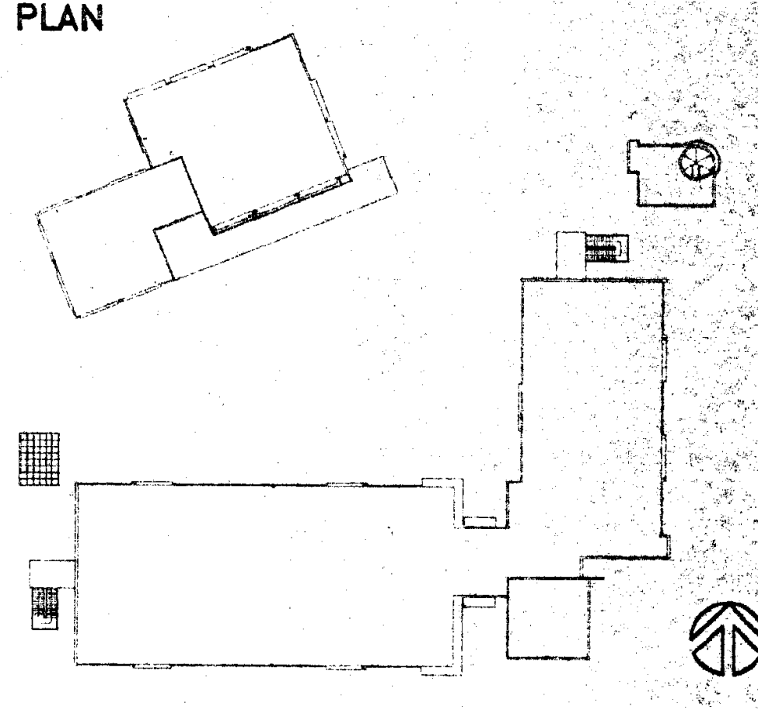
GENERAL NOTES:

KEY PLAN



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MATH-SCIENCE BUILDING

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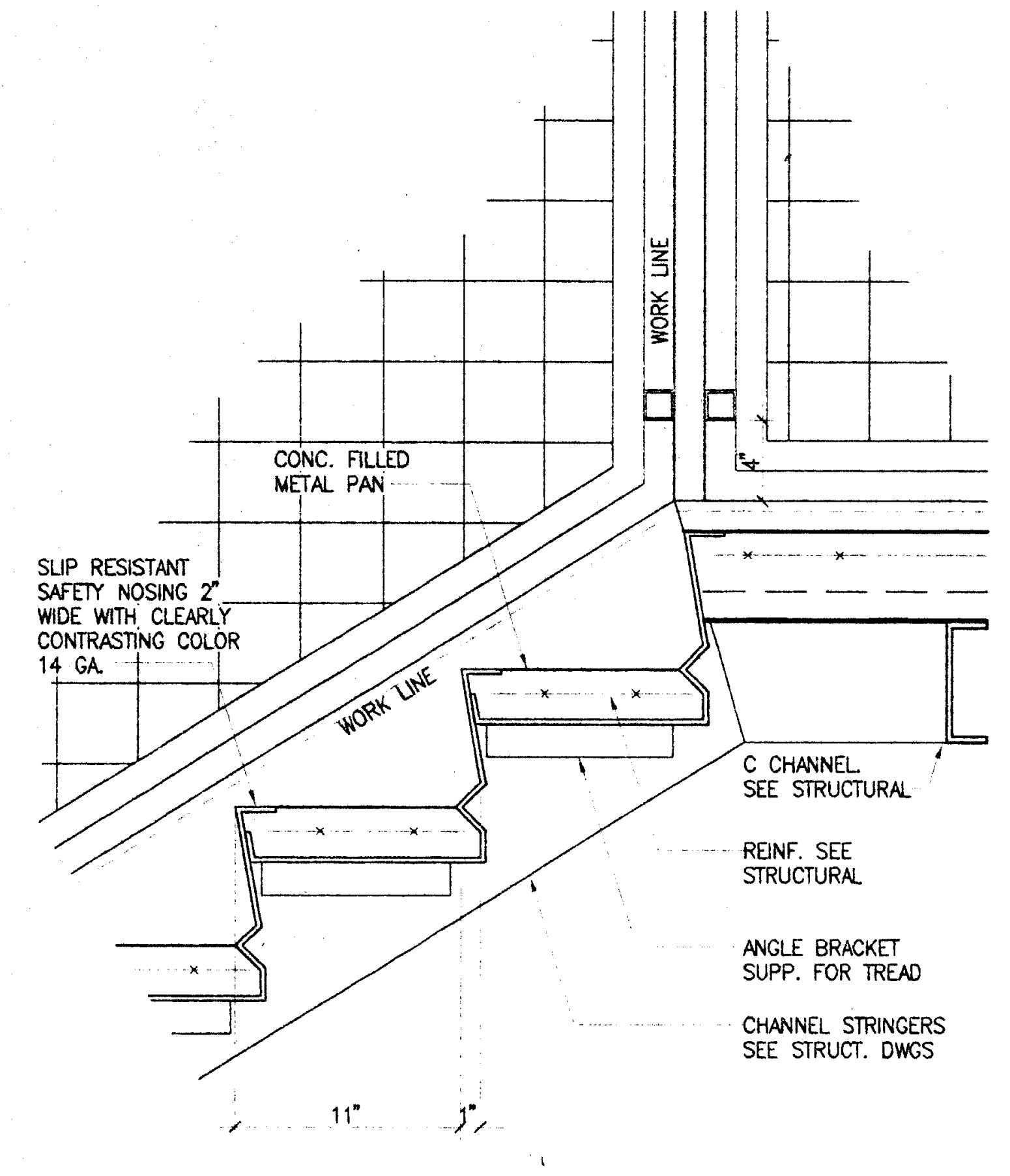
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

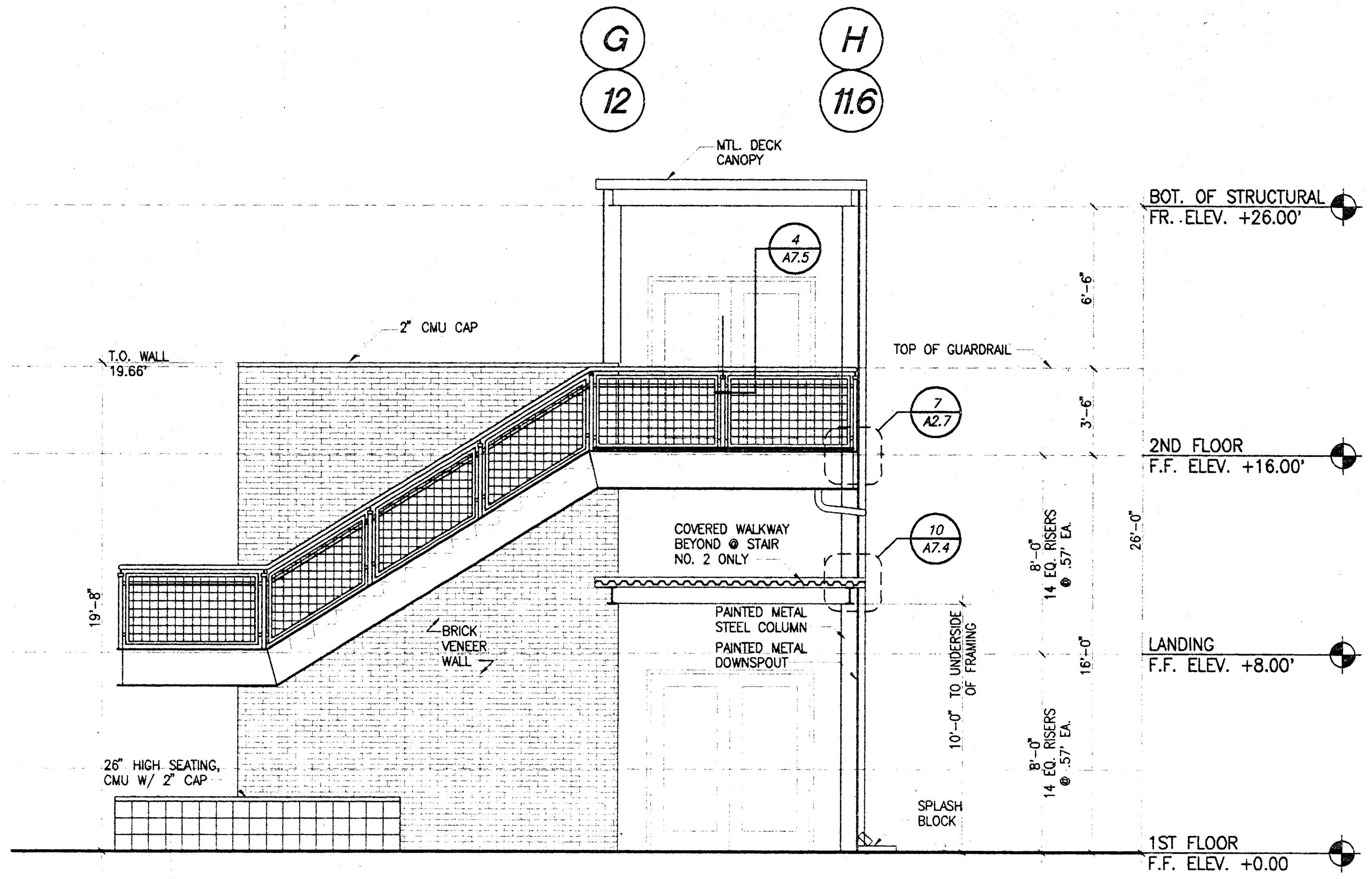
ENLARGED LOBBY
+ RESTROOM PLANS

FILE: CMA2-05
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98

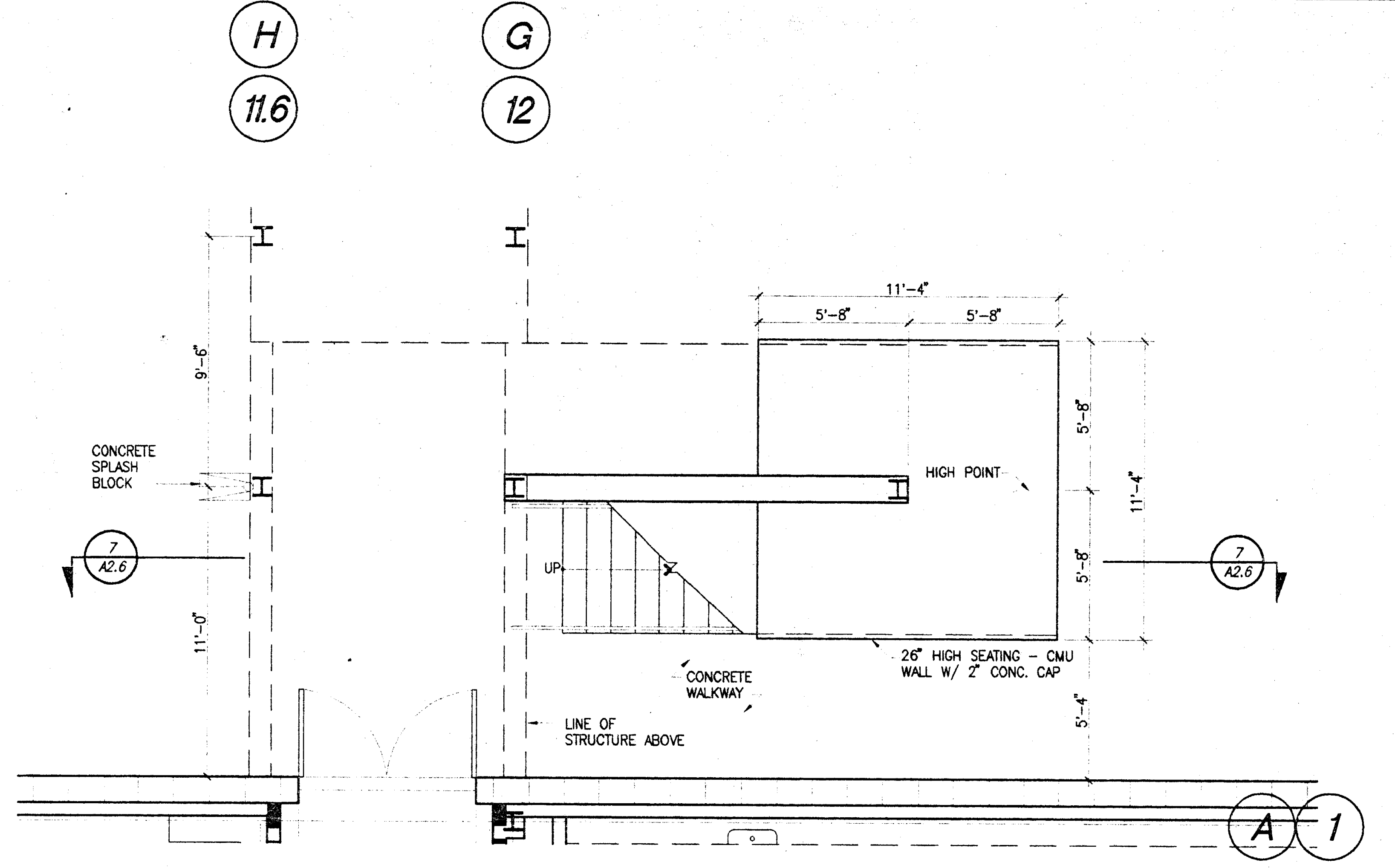
SHEET NO.
A2.5
OF ______ SHEETS



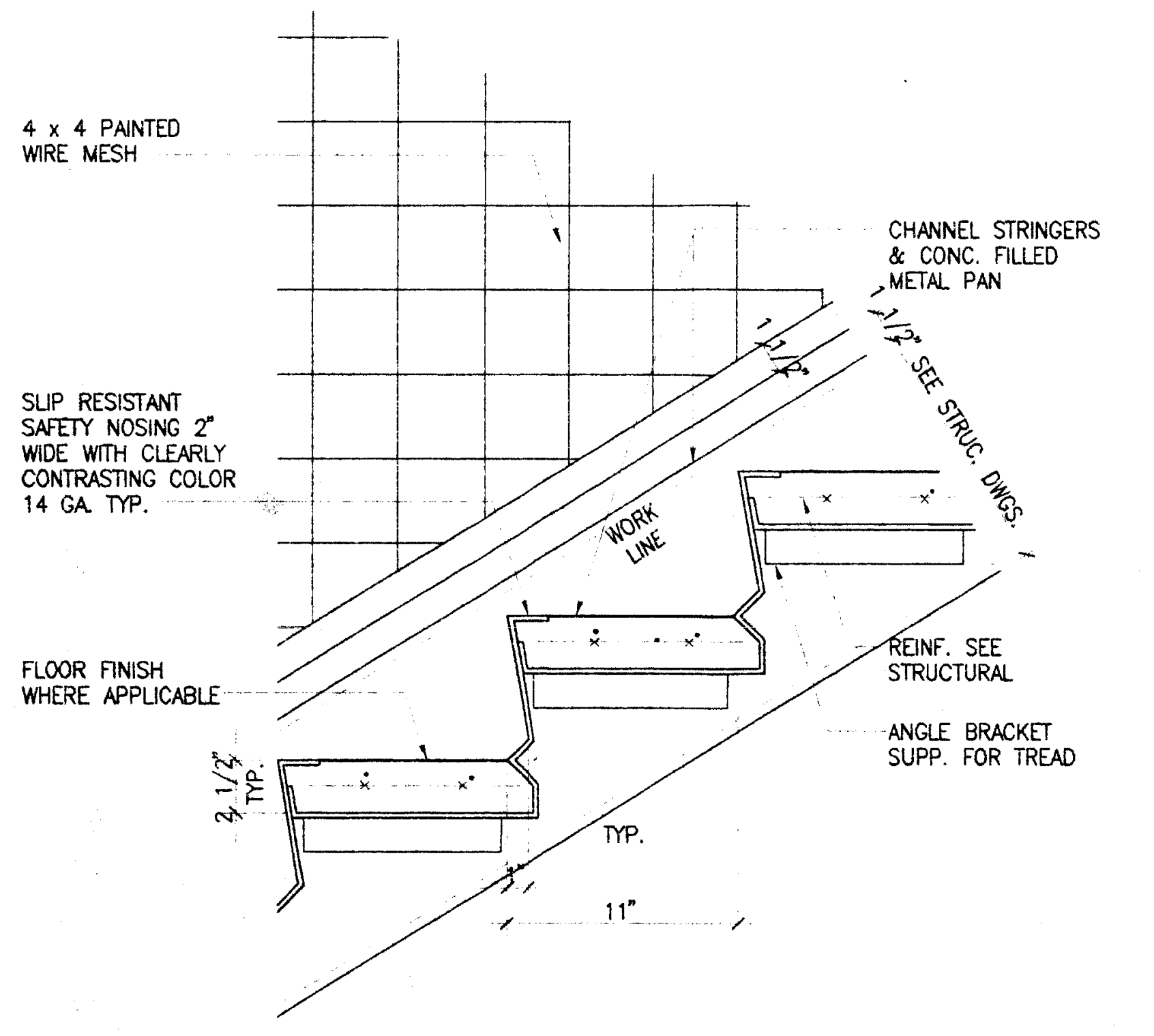
TYPICAL TREAD DETAIL 1 1/2"=1'-0" 13 DE05016H –



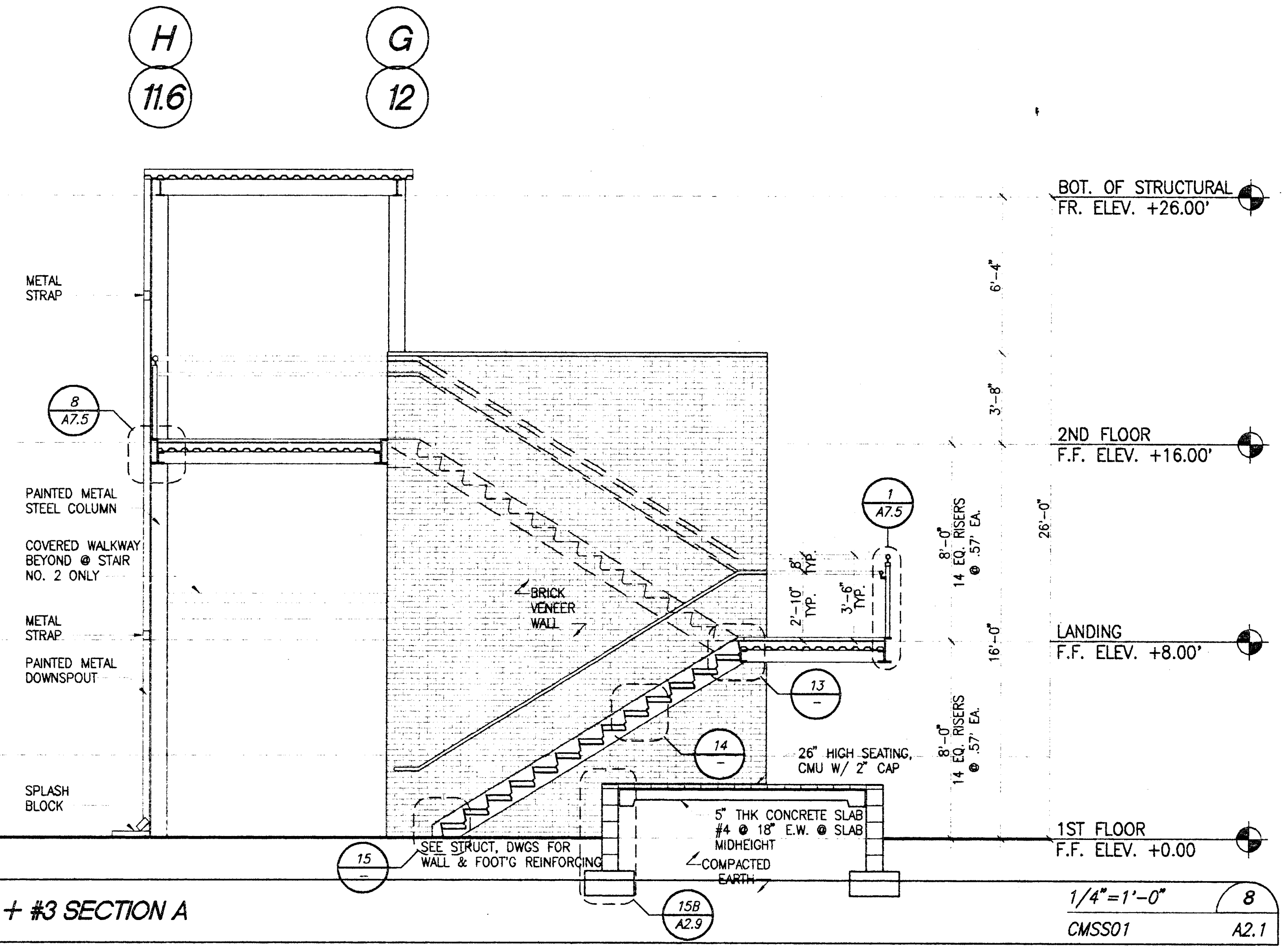
STAIR #2 + #3 ELEVATION 1/4"=1'-0" 7 CMSS01 A2.1



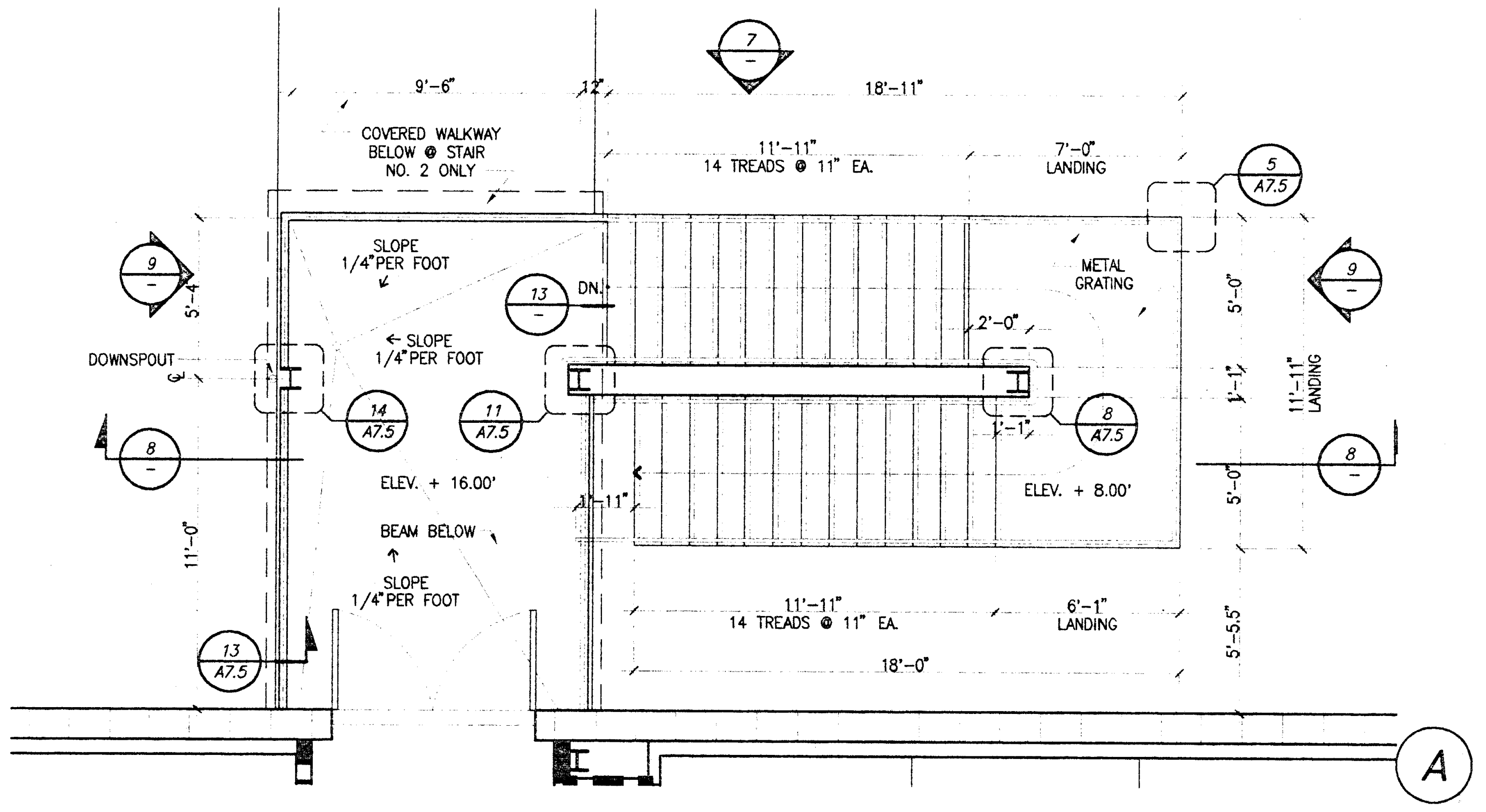
STAIR #2 + #3 FIRST FLOOR PLAN 1/4"=1'-0" 1 CMFP01 A2.1



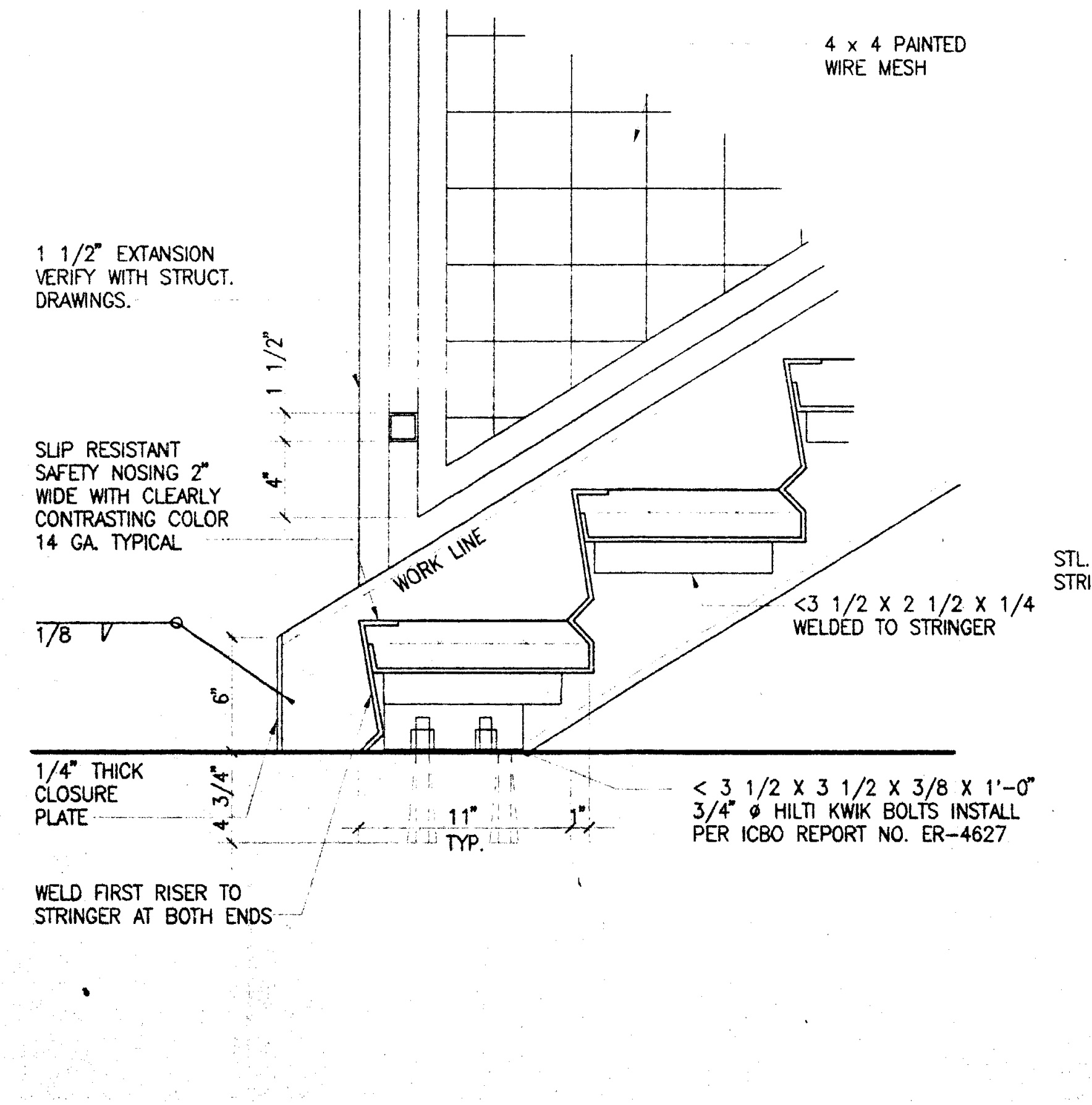
TYPICAL TREAD DETAIL 1 1/2"=1'-0" 14 DE05016F –



STAIR #2 + #3 SECTION A 1/4"=1'-0" 8 CMSS01 A2.1

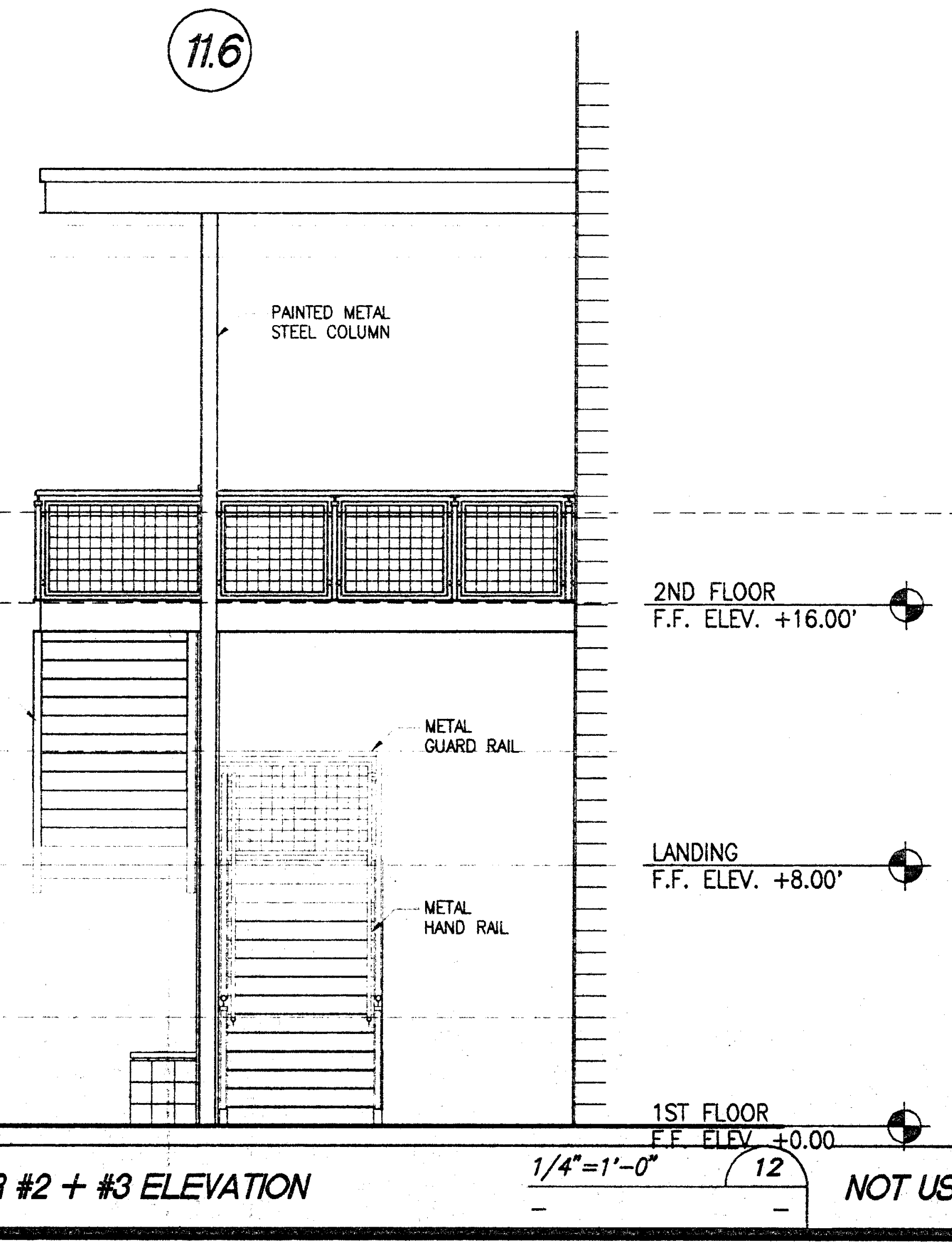


STAIR #2 + #3 SECOND FLOOR PLAN 1/4"=1'-0" 2 CMFP02 A2.2

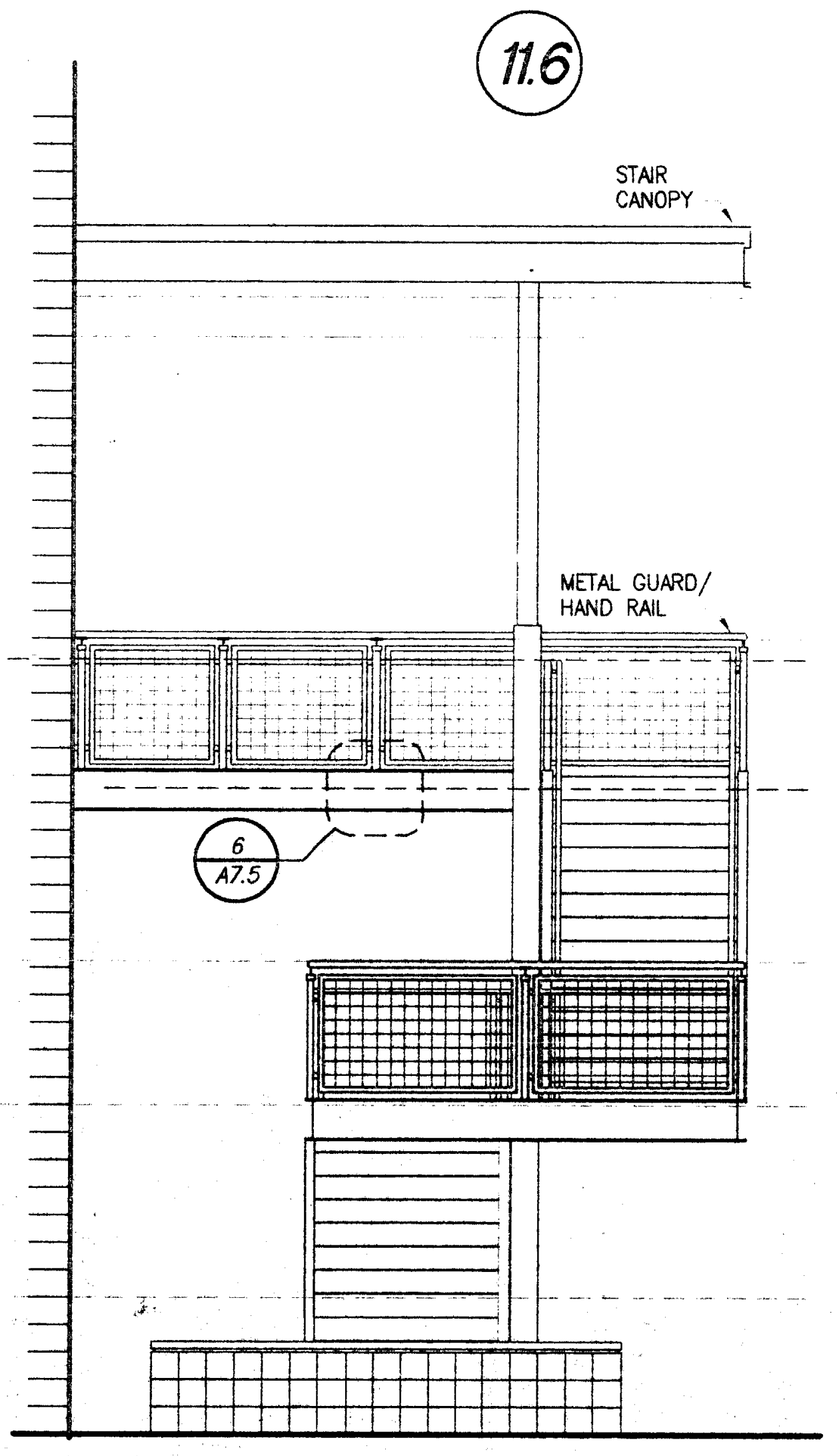


PLOT DATE: 03.17.98

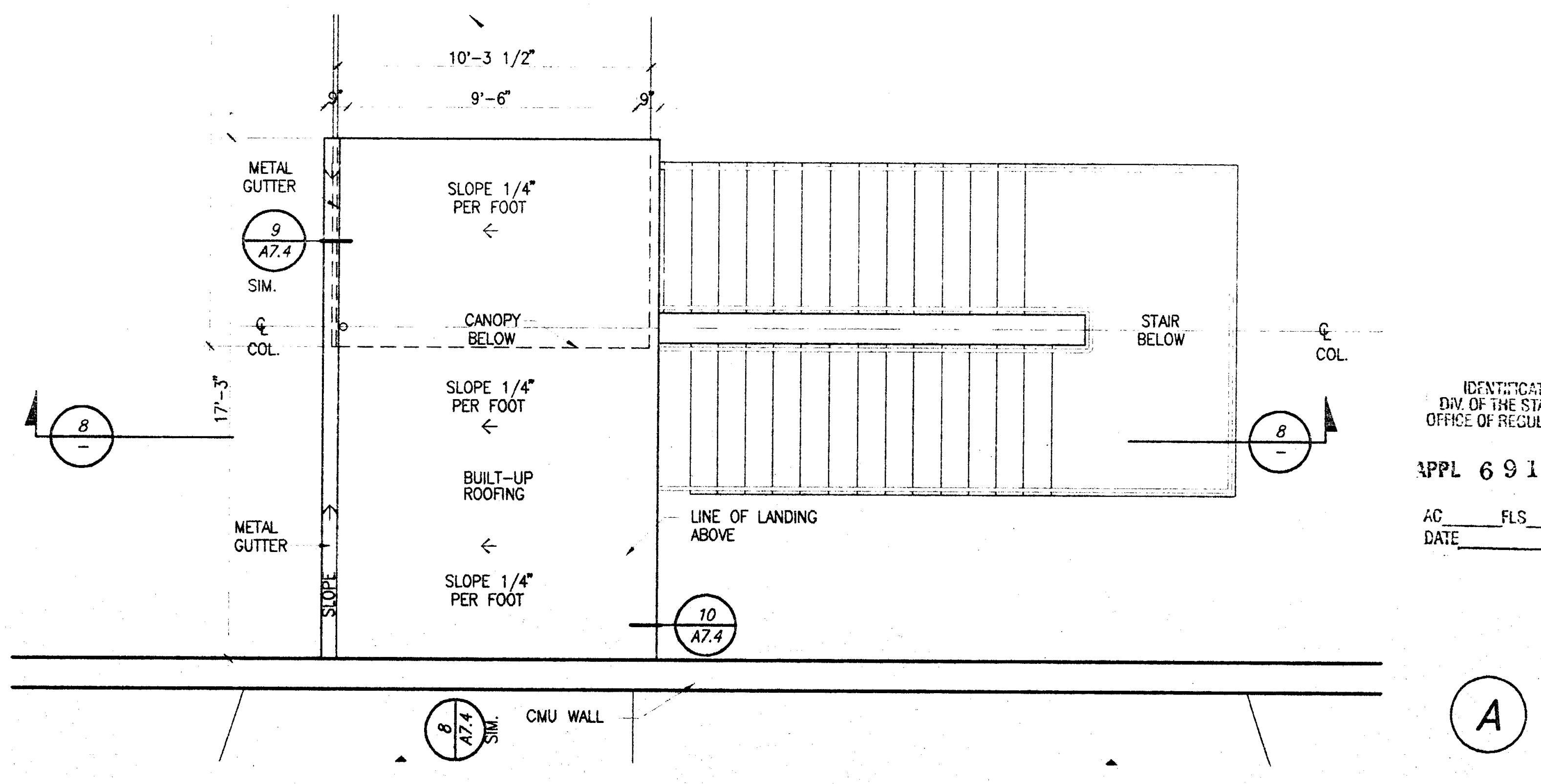
TYPICAL TREAD DETAIL 3"=1'-0" 15 DE05016G –



STAIR #2 + #3 ELEVATION 1/4"=1'-0" 12 – –



NOT USED =1'-0" 9 – –



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STAIR #2 + #3 CANOPY ROOF PLAN 1/4"=1'-0" 3 CMFPOR A2.3

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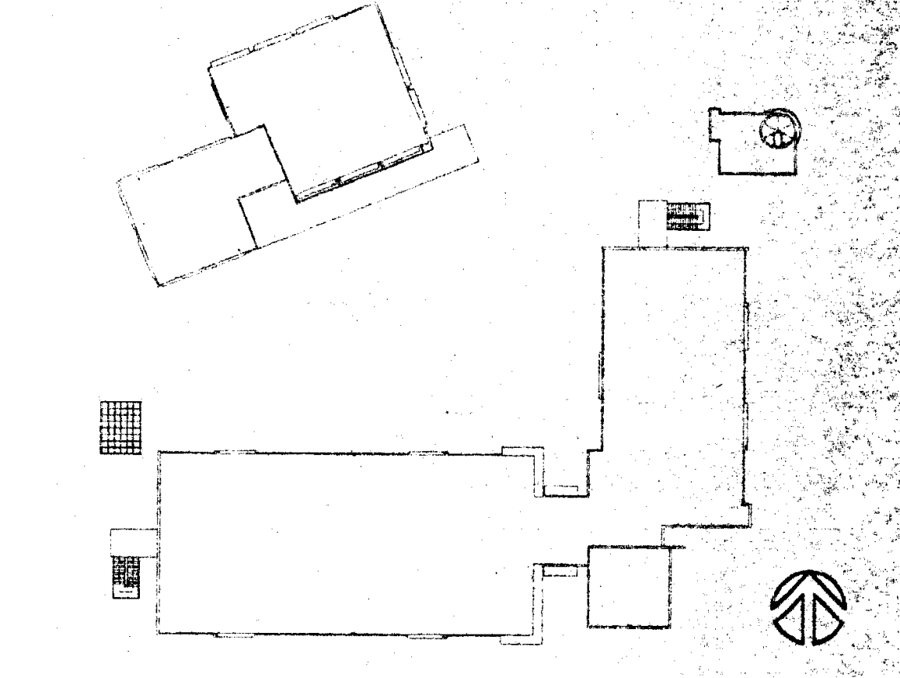
GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

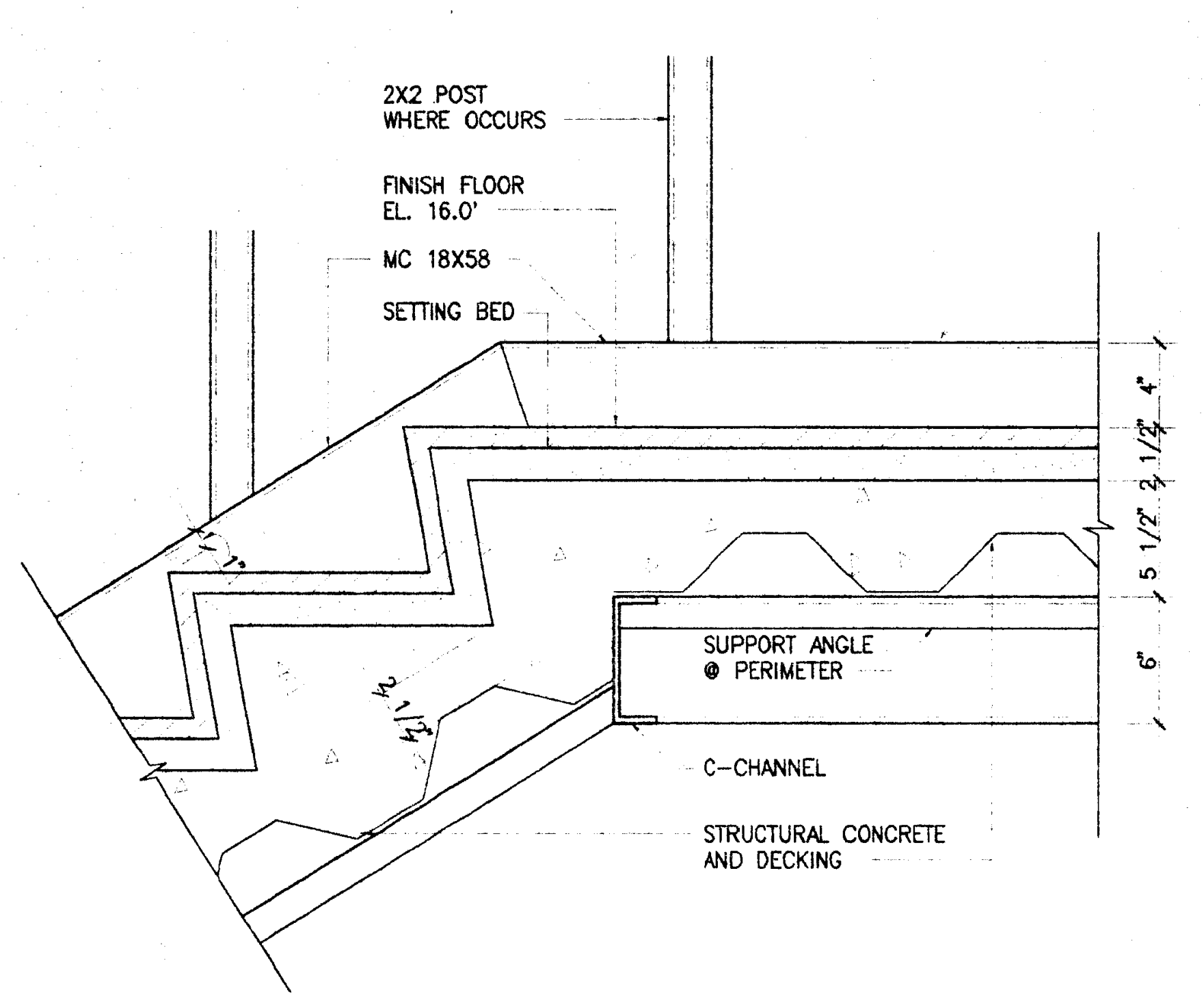
PROJECT
HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

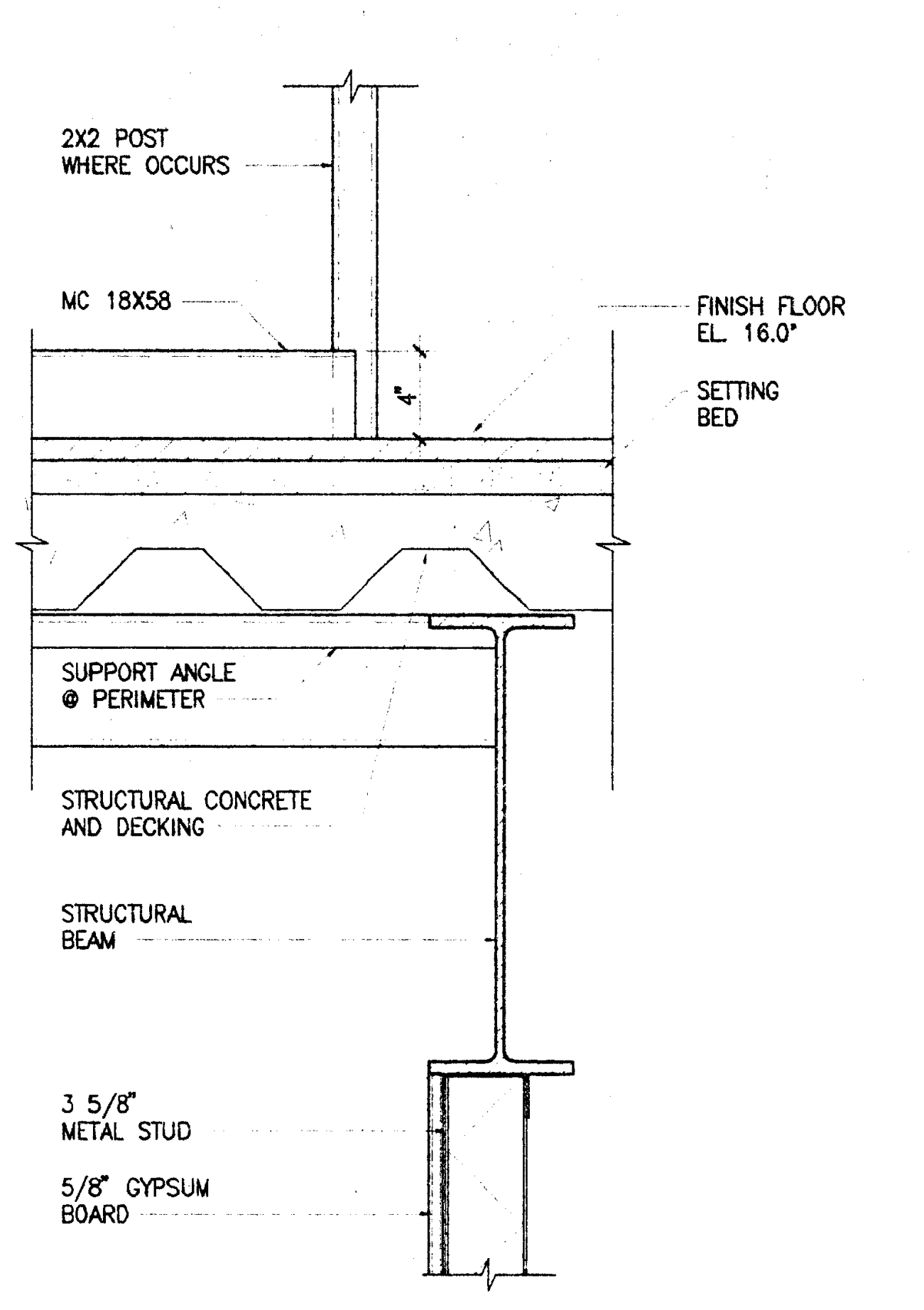
SHEET TITLE
ENLARGED STAIR PLANS, SECTIONS + DETAILS

FILE: CMA2-06
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98

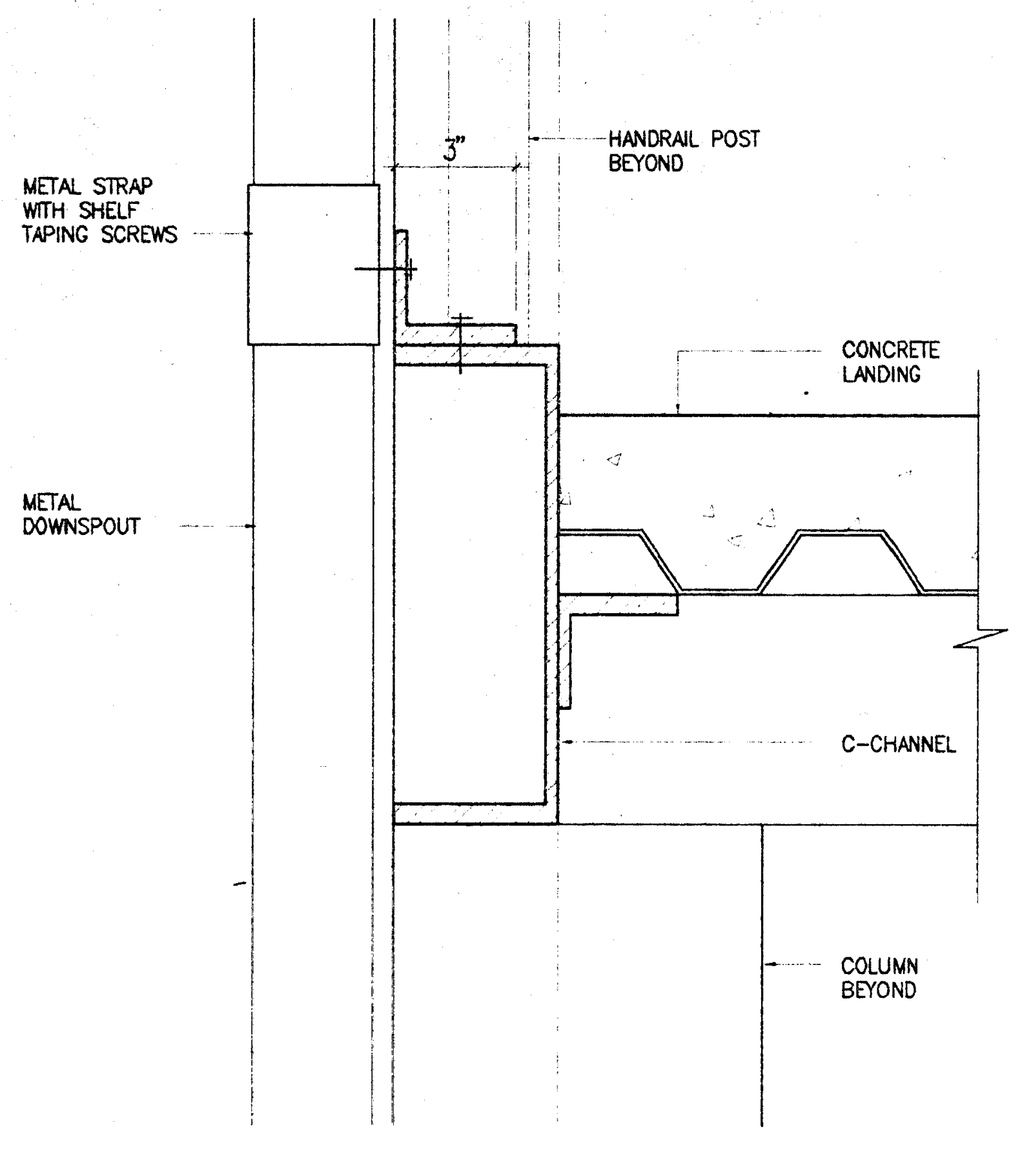
SHEET NO.
A2.6
OF _____ SHEETS



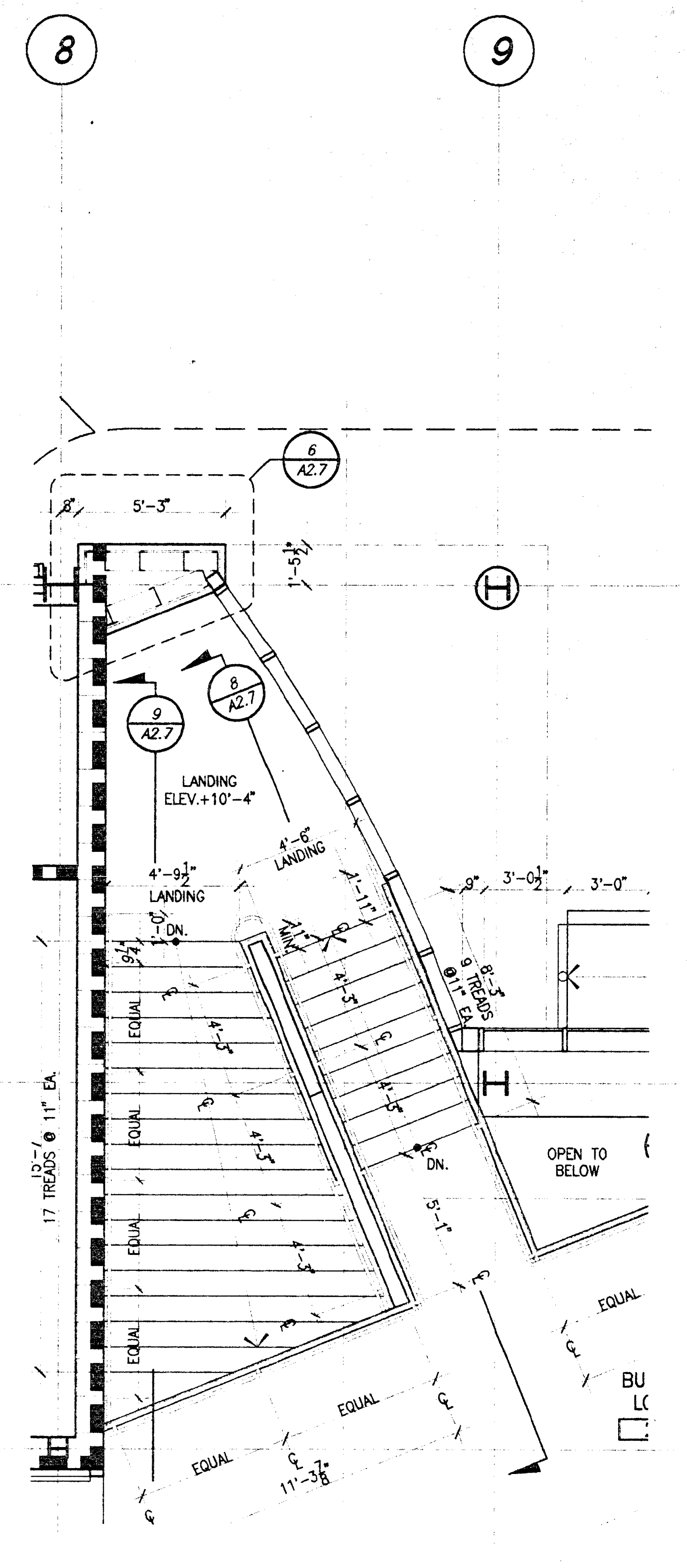
TREAD @ LANDING | 1-1/2"=1'-0" | 13 | DE05016M | A2.7



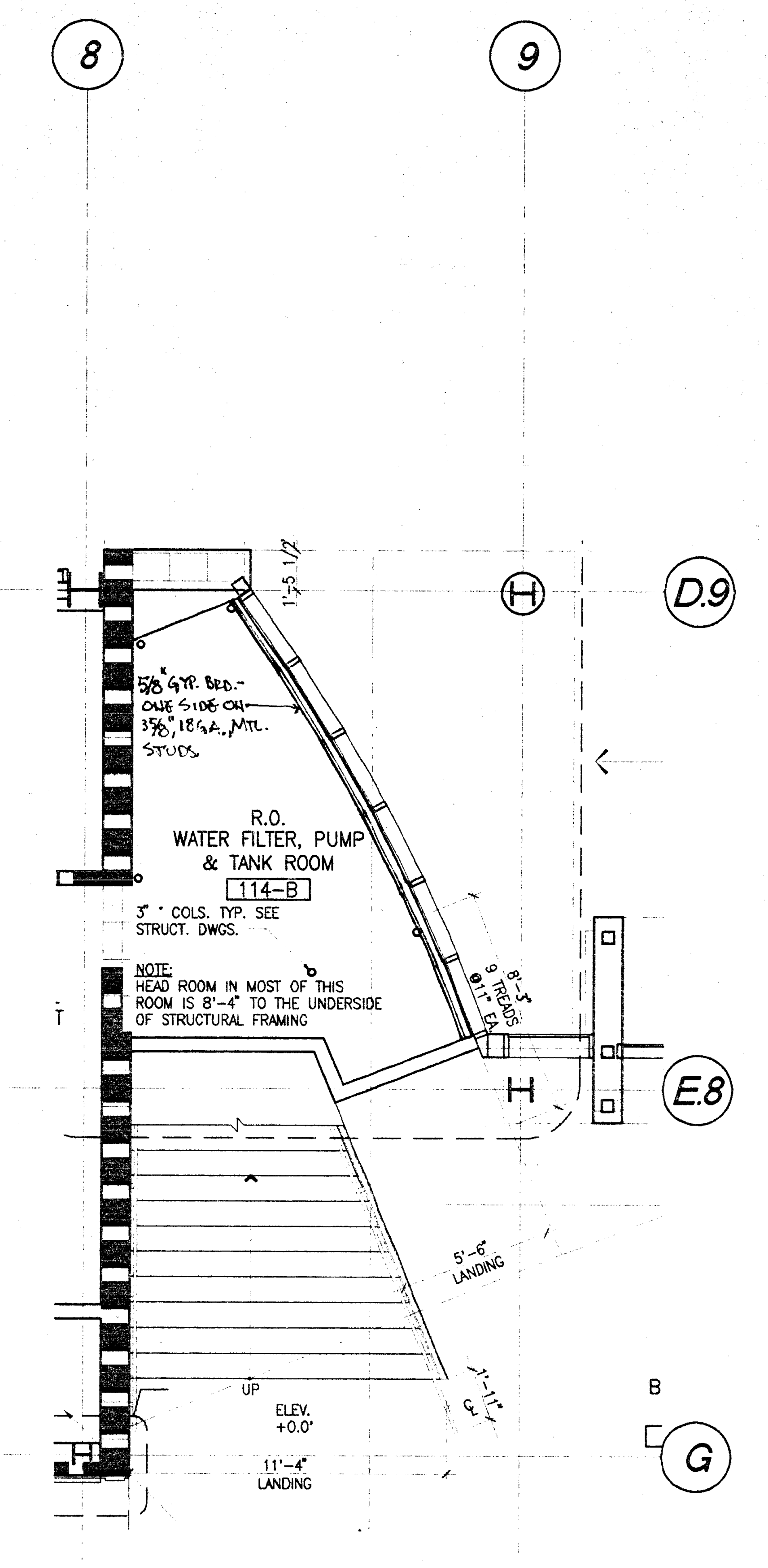
LANDING @ BRIDGE | 1-1/2"=1'-0" | 10 | DE05016Q | A2.7



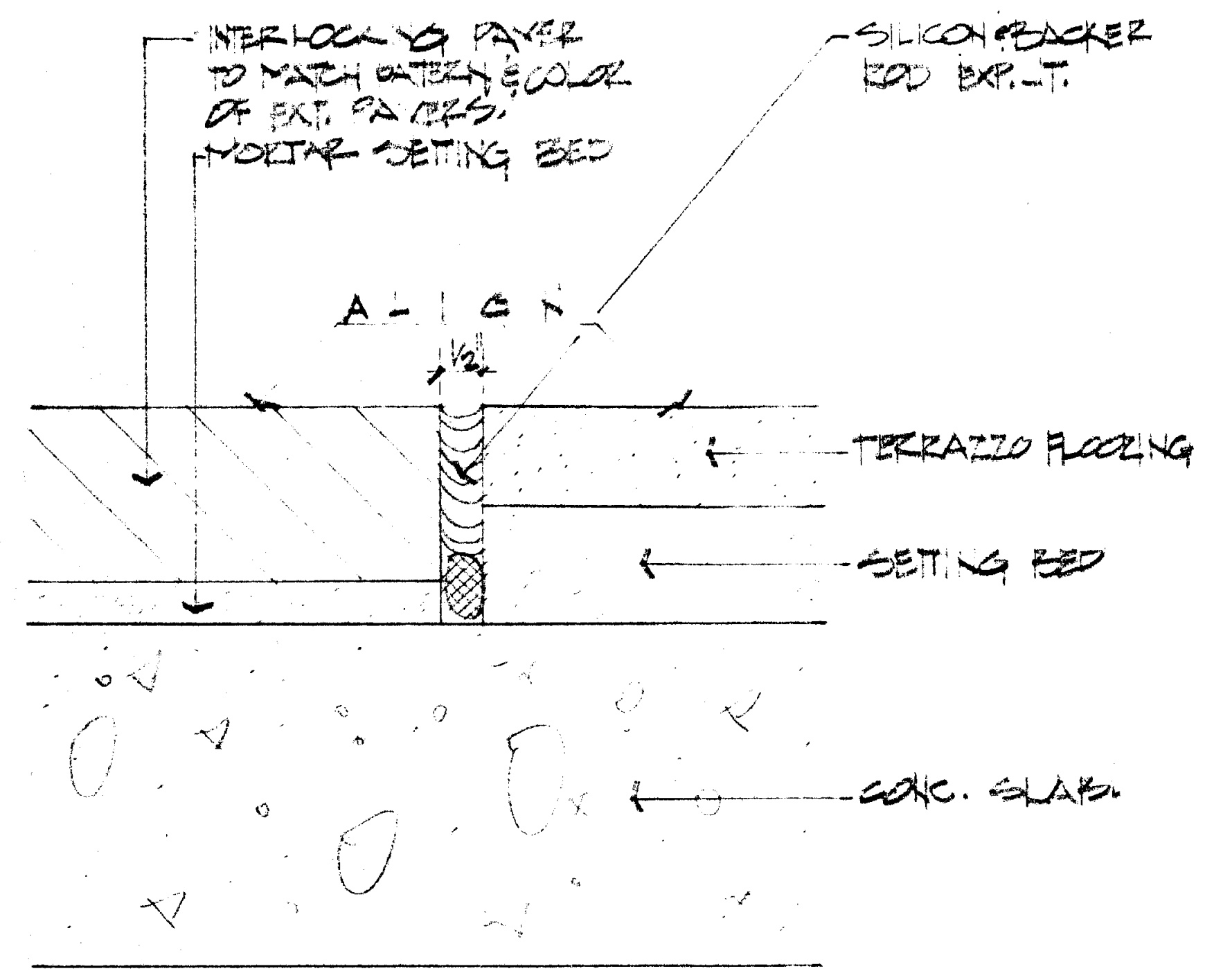
DOWNSPOUT STRAP | 3"=1'-0" | 7 | DE05037 | A2.6



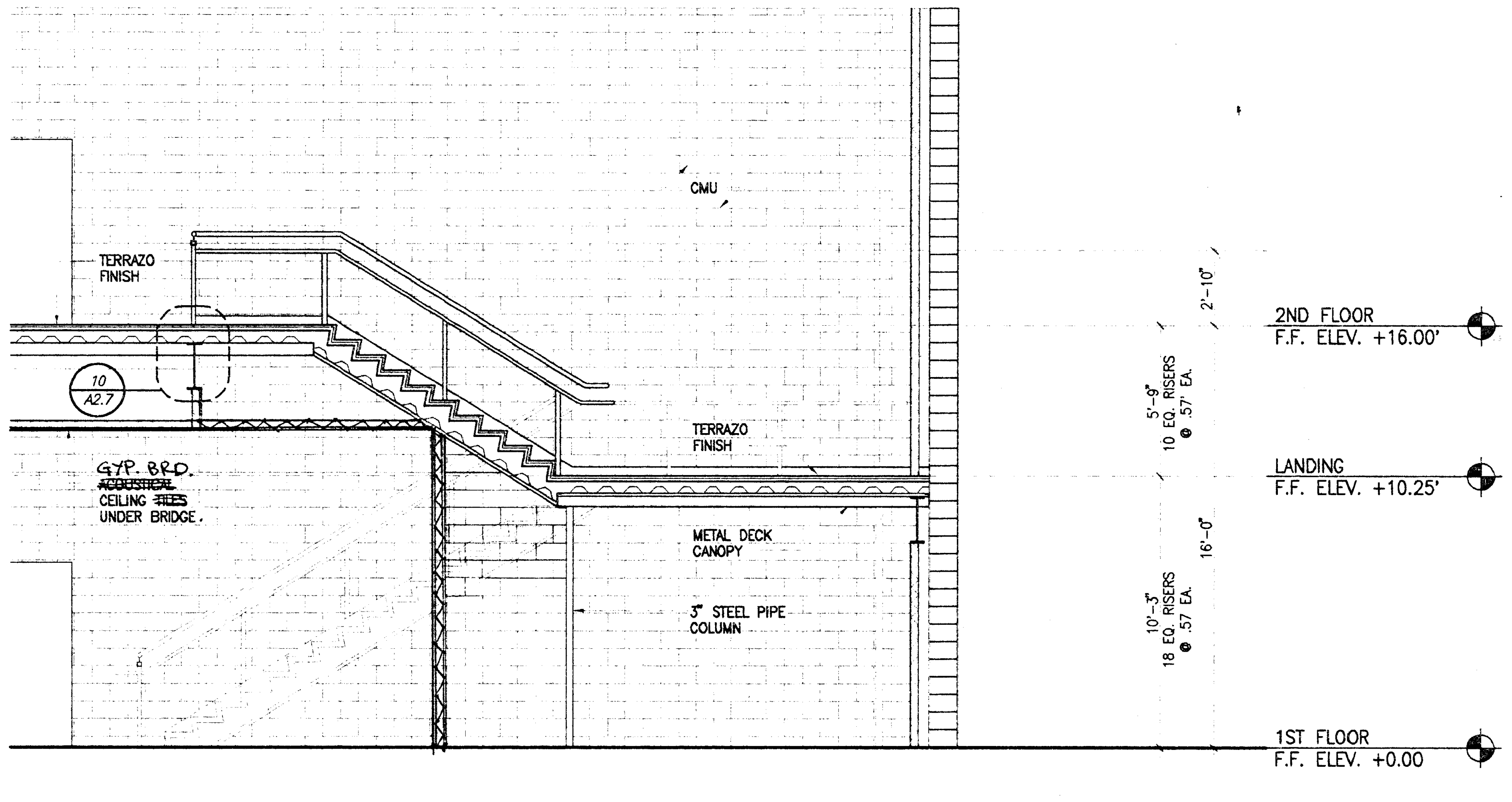
ENLARGED STAIR @ BRIDGE | 1/4"=1'-0" | 5 | CMFP02 | A2.1



ENLARGED PUMP AND TANK ROOM | 1/4"=1'-0" | 2 | CMFP01 | A2.1

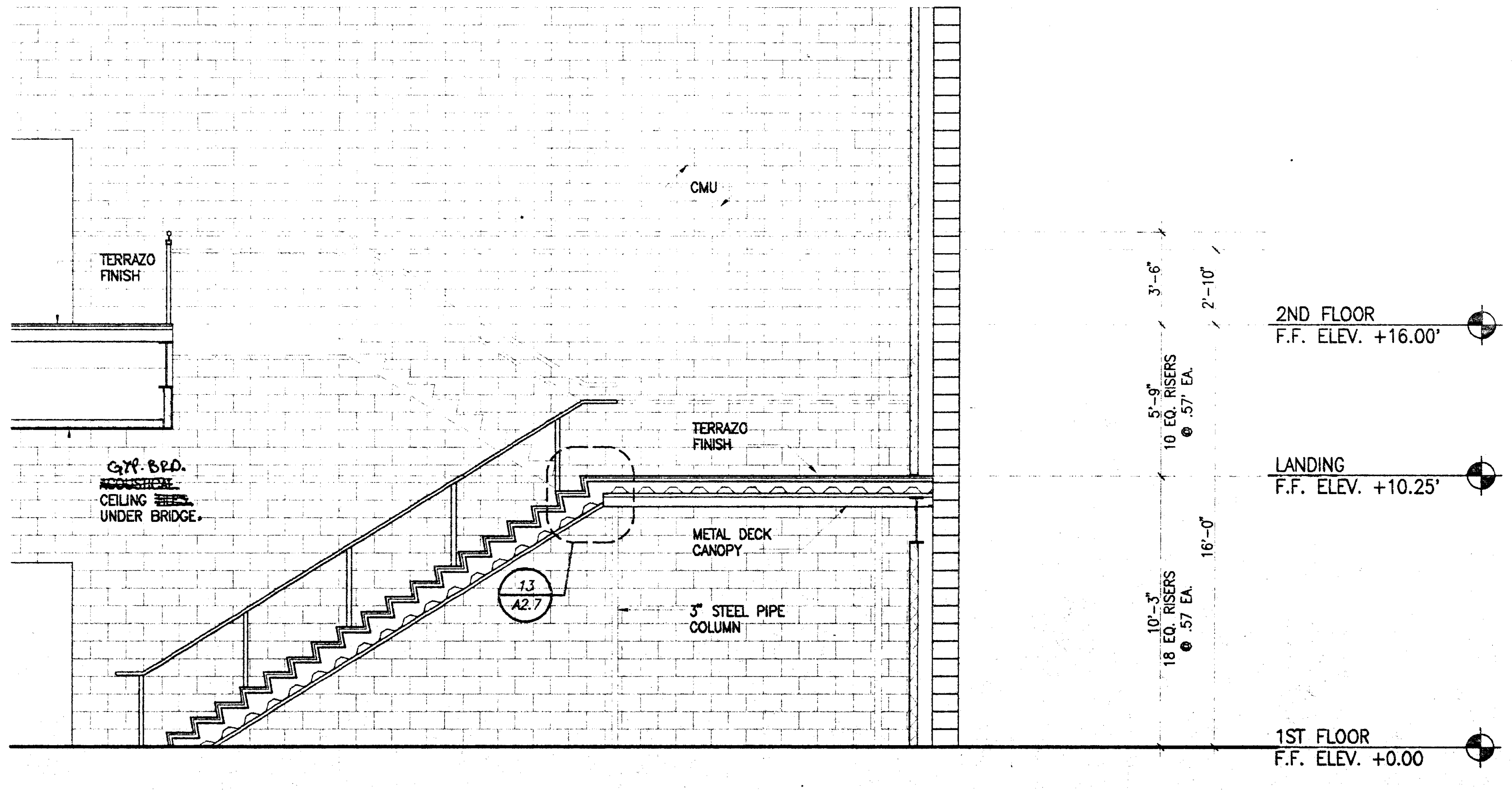


DETAIL AT LOBBY FLOORING | 3" = | ~~1-1/2"~~=1'-0" | 14
~~TYPICAL TREAD DETAIL~~ | – | –



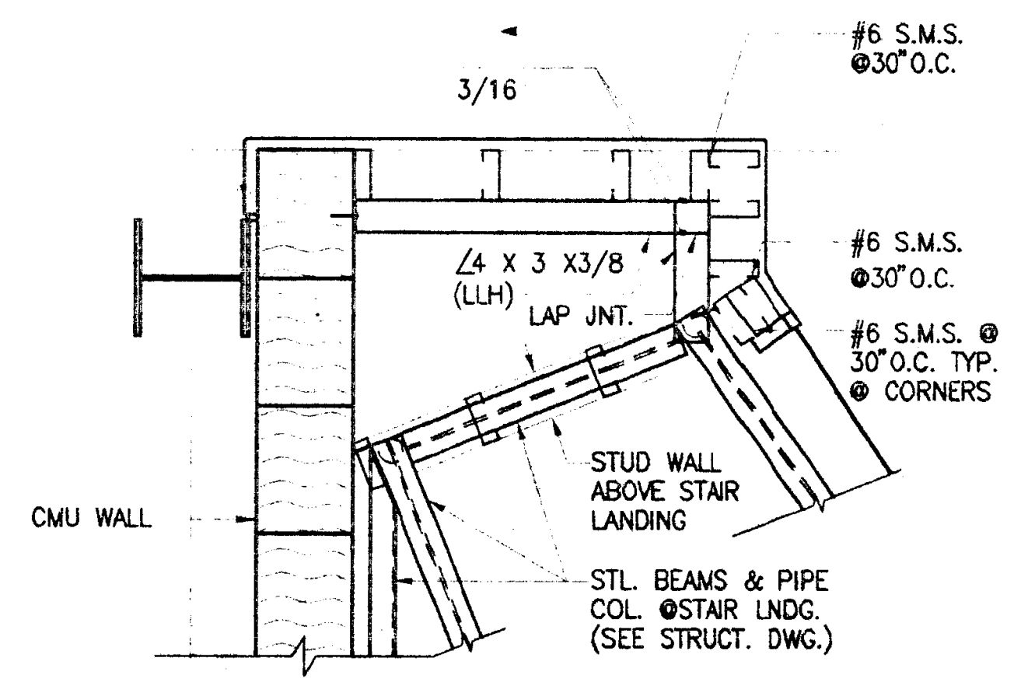
STAIR SECTION | =1'-0" | 8 | CONTROL | A2.7

ENLARGED GRAND STAIR

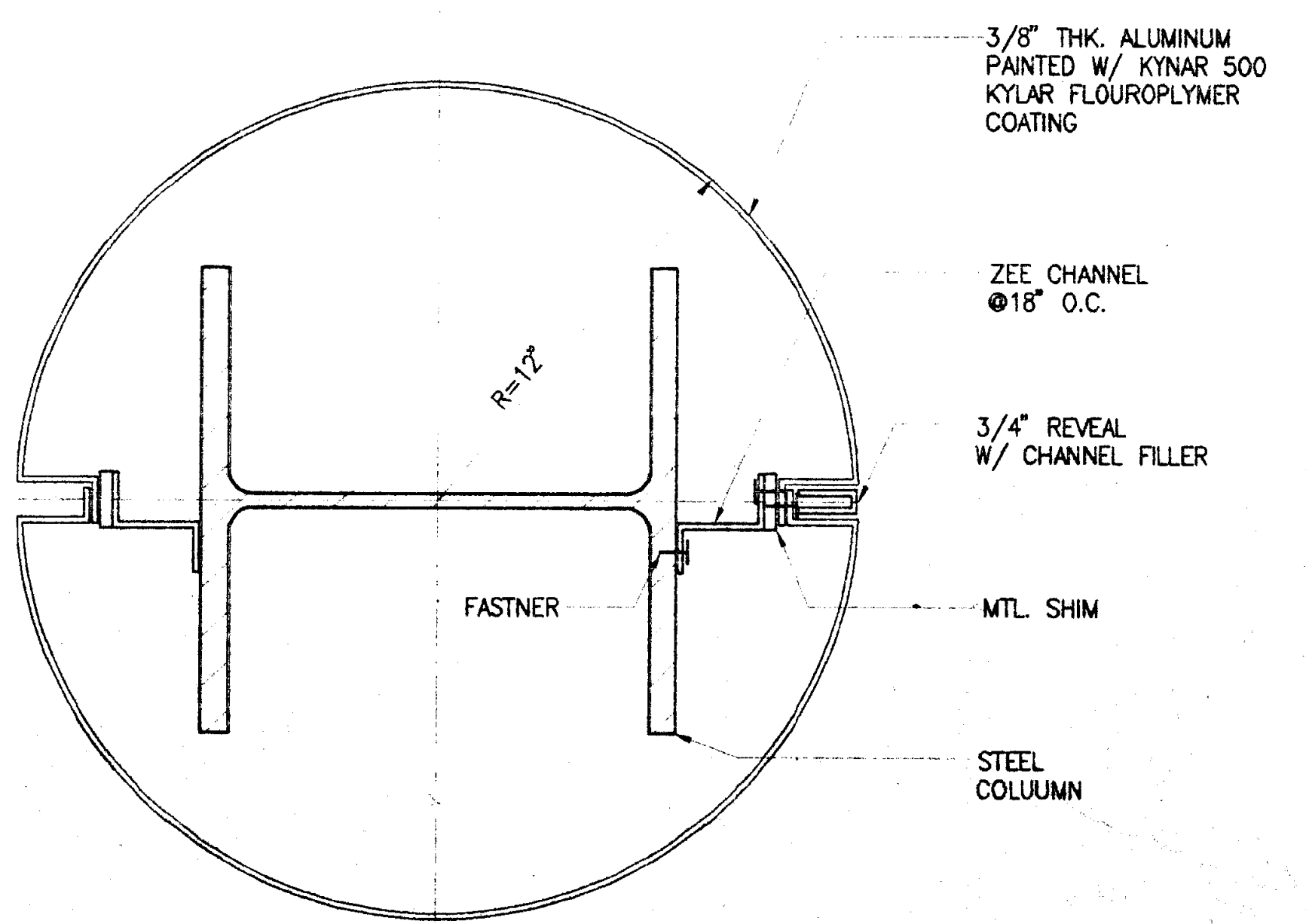


TYPICAL TREAD DETAIL | 1-1/2"=1'-0" | 15 | – | –

STAIR SECTION | =1'-0" | 9 | CONTROL | A2.7



METAL PANEL ENCLOSURE | 1/2"=1'-0" | 6 | DE09072 | A2.1



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COLUMN CLADDIG DETAIL | 3"=1'-0" | 3 | DE05042 | A2.1

PLOT DATE: 03.17.98

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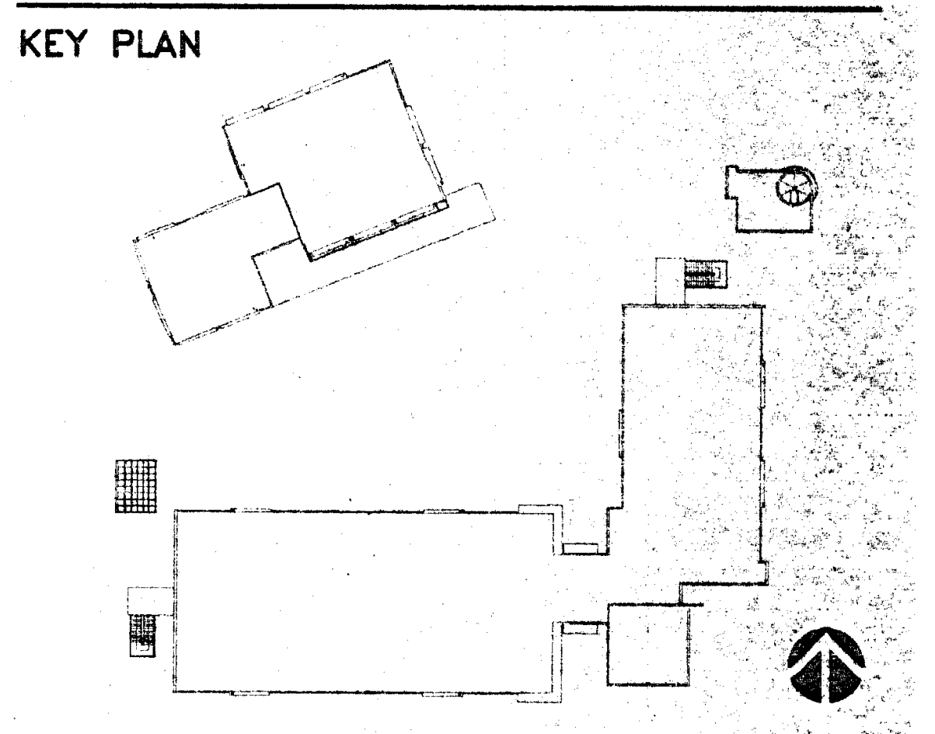
GENERAL NOTES:

KEY PLAN



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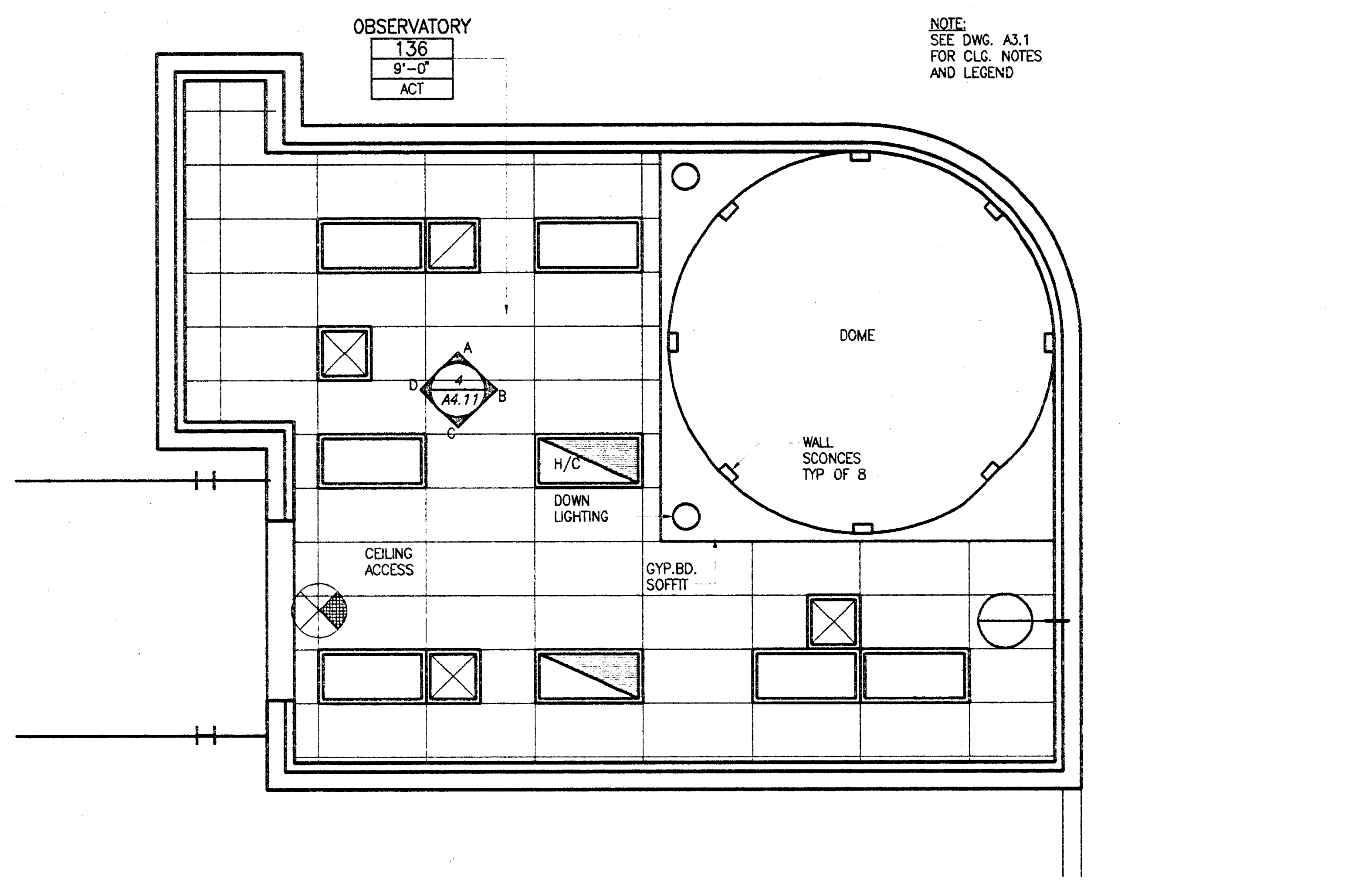
COMPTON, CALIFORNIA

SHEET TITLE

ENLARGED GRAND STAIR @ LOBBY - PLANS, SECTIONS AND DETAILS

FILE:	CMA2-07
SCALE	1/4"=1'-0"
JOB NO.	JGM
DATE	03.06.98

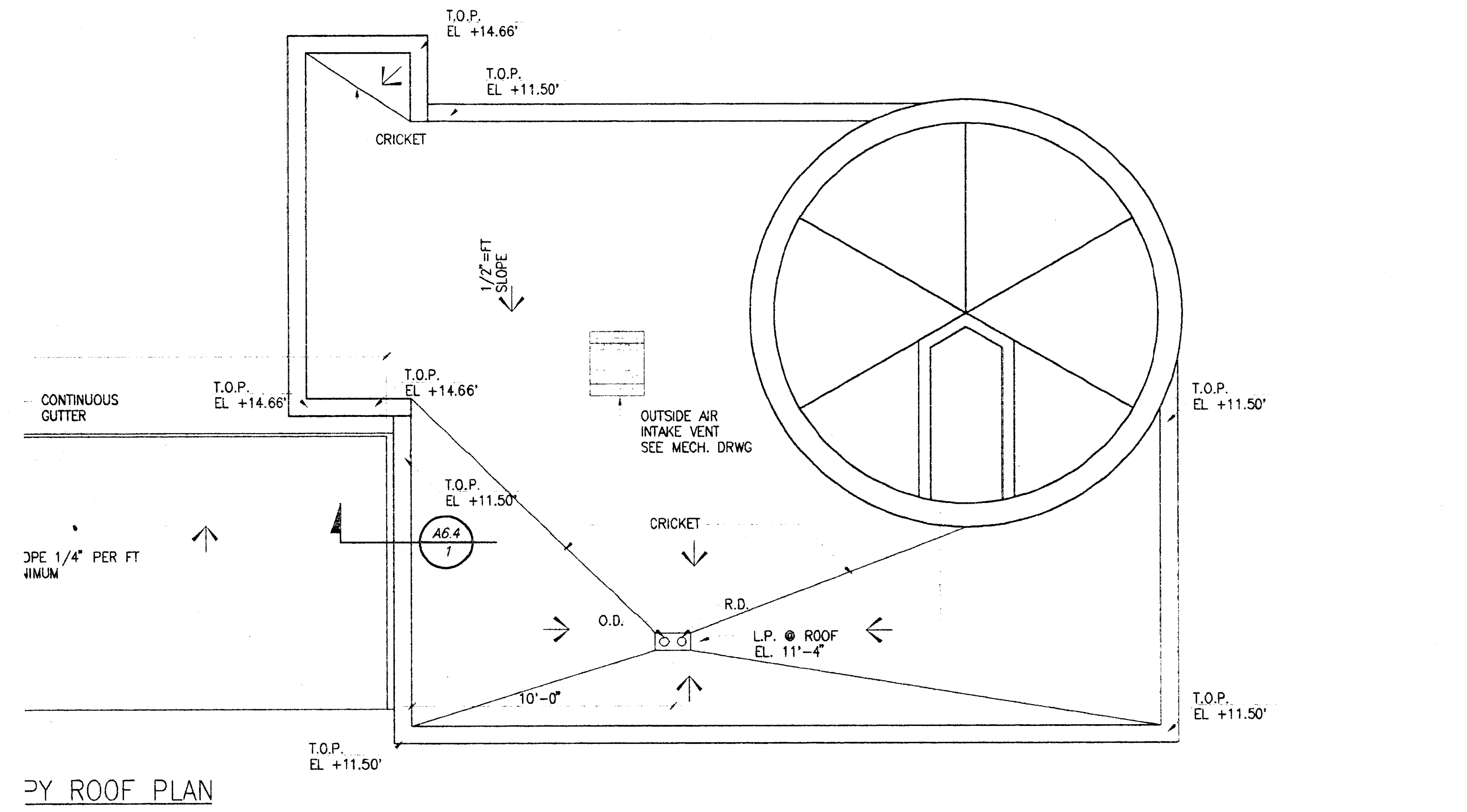
SHEET NO.
A2.7
OF ______ SHEETS



OBSERVATORY REFLECTED DEILING PLAN

1/4"=1'-0" 10

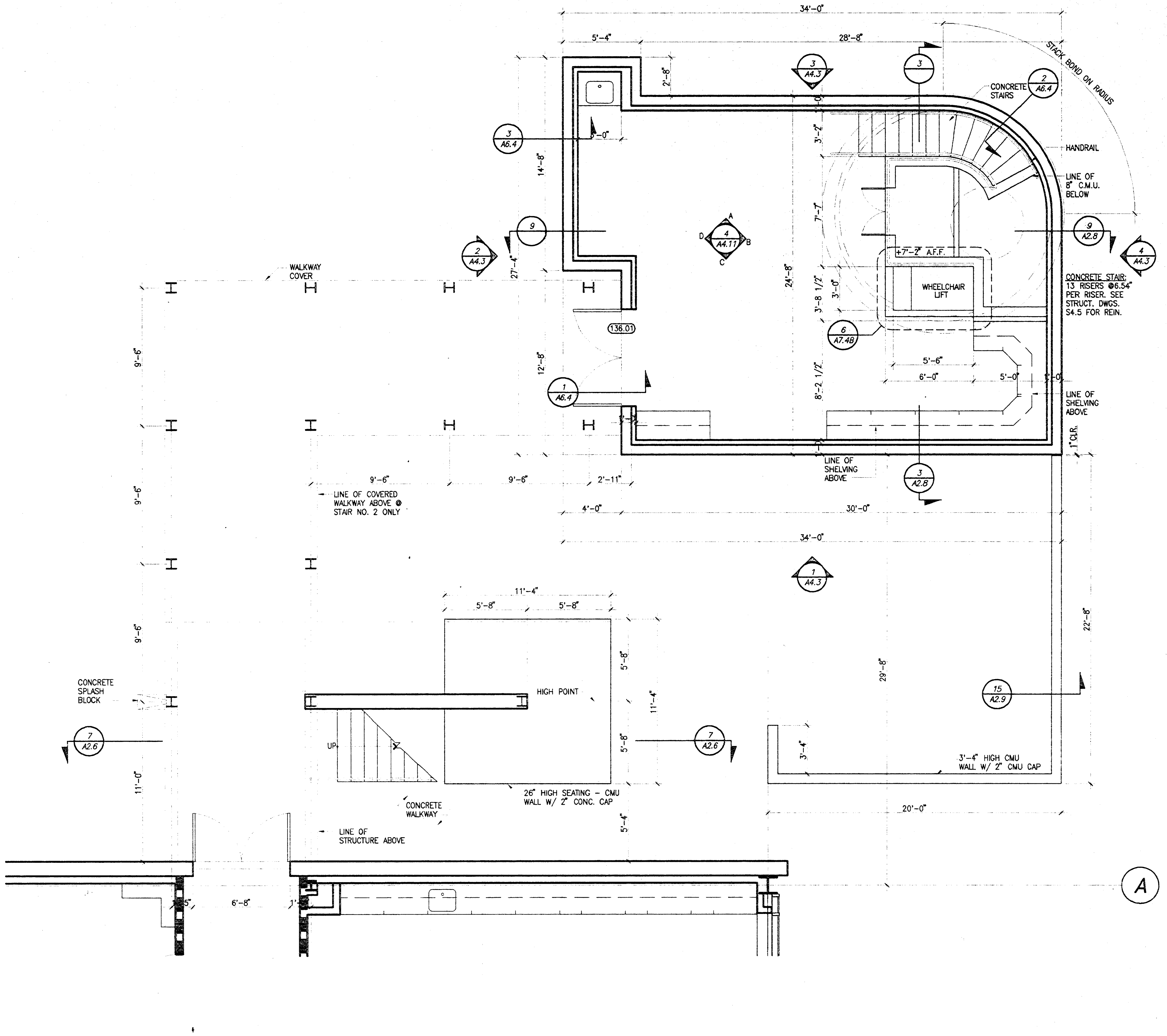
CMFP01



OBSERVATORY ROOF PLAN

1/4"=1'-0" 11

CMFP0R



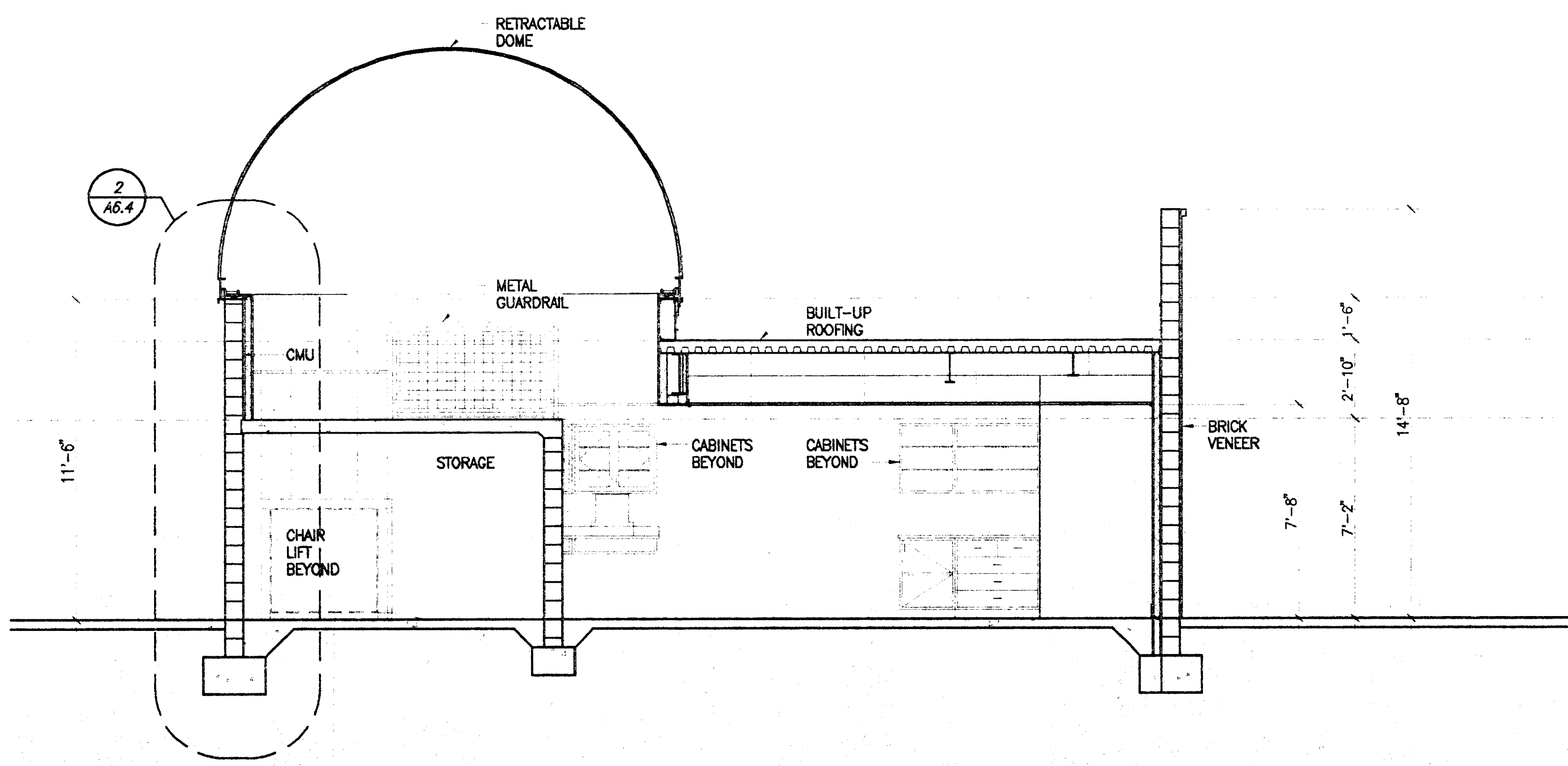
OBSERVATORY AND TELESCOPE SET-UP COURT FLOOR PLAN

1/4"=1'-0" 2

CMFP01

NOT USED

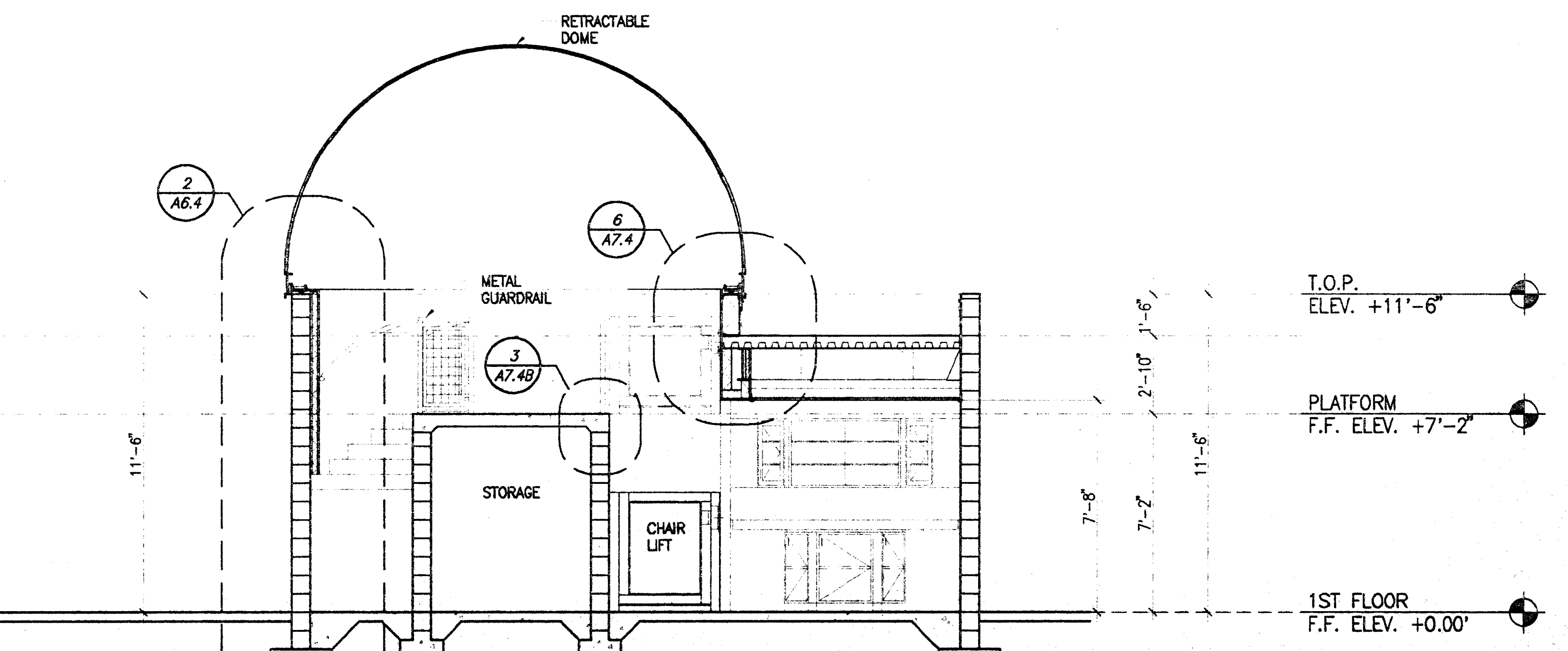
=1'-0" 15



OBSERVATORY BUILDING SECTION

1/4"=1'-0" 9

CMBS04



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APPL · 69120

AC W FLS ___ SS VAC LLB
DATE 3-20-98

OBSERVATORY BUILDING SECTION

1/4"=1'-0" 3

CMBS04

PLOT DATE: 03.17.98

Jenkins/Gales & Martinez, Inc.
Architects • Engineers • Planners

5933 West Century Boulevard – Suite 1000
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PROGRAMMING
PLANNING
ARCHITECTURE

DRAWN
CHECKED JGM
APPROVED JGM

CONSULTANT

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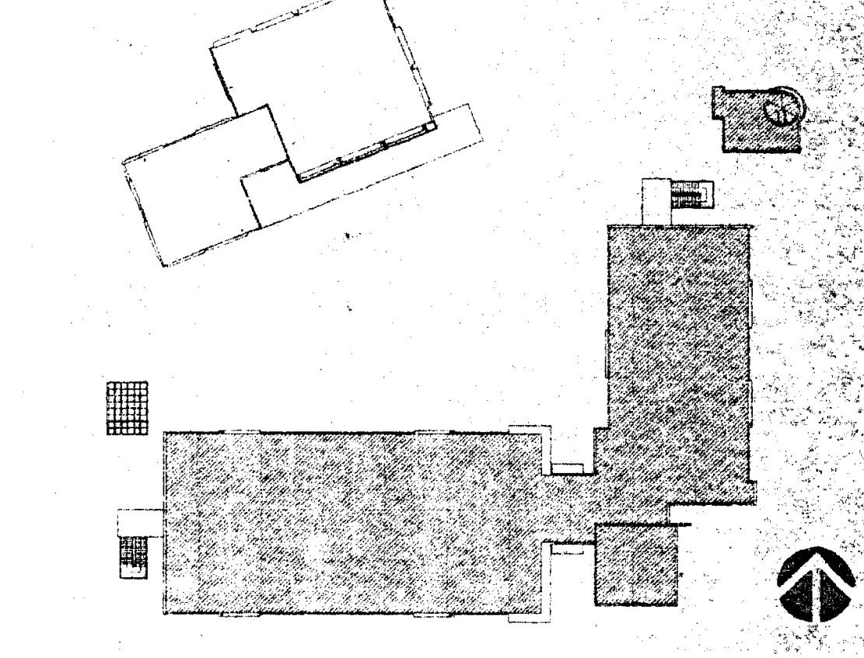
310-202-0246
310-202-0678 FAX

SEAL

MORRIS R. POINDEXTER
C 13900
3-31-99

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MATH SCIENCE BUILDING OBSERVATORY PLANS BUILDING SECTIONS

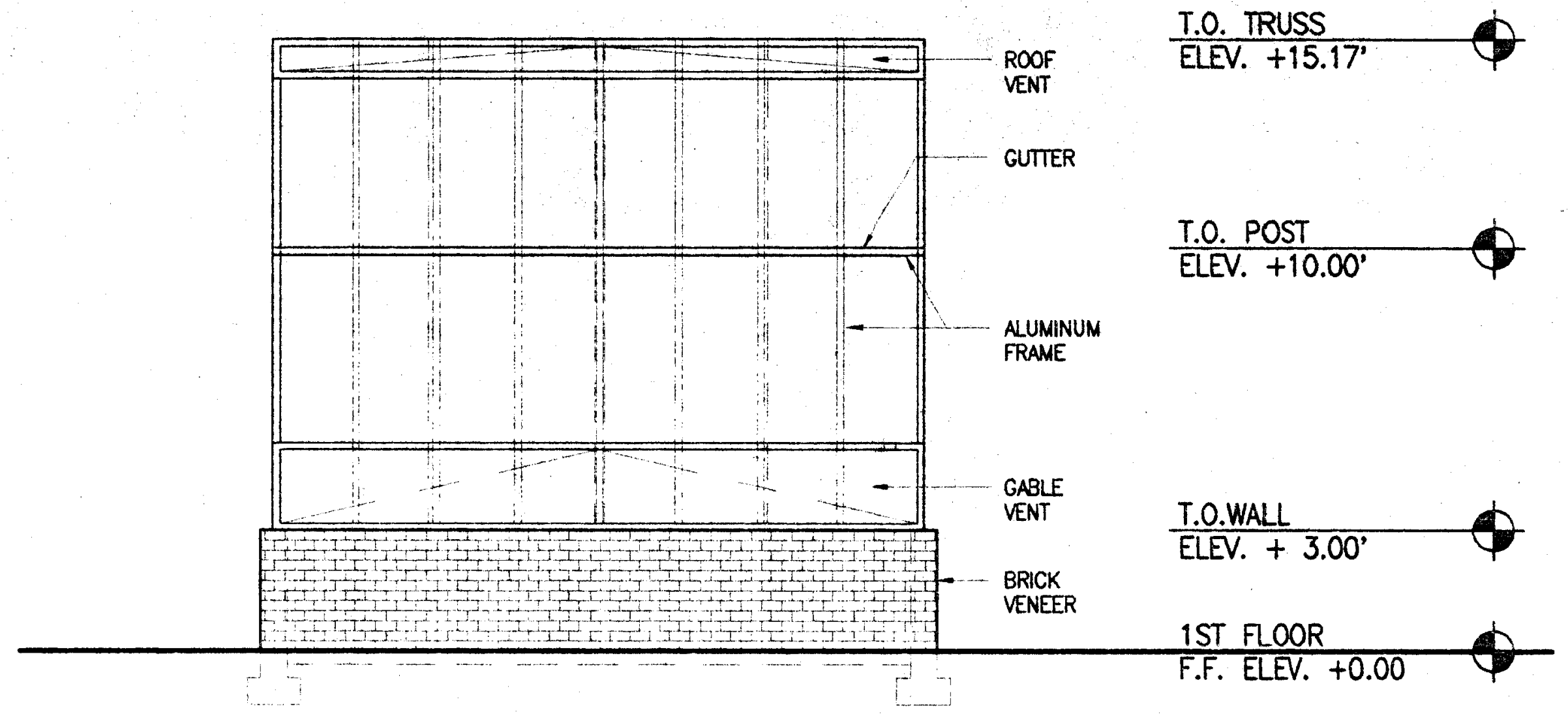
FILE:	CMA2-08
SCALE	1/8=1'-0"
JOB NO.	JGM
DATE	03.06.98

SHEET NO.

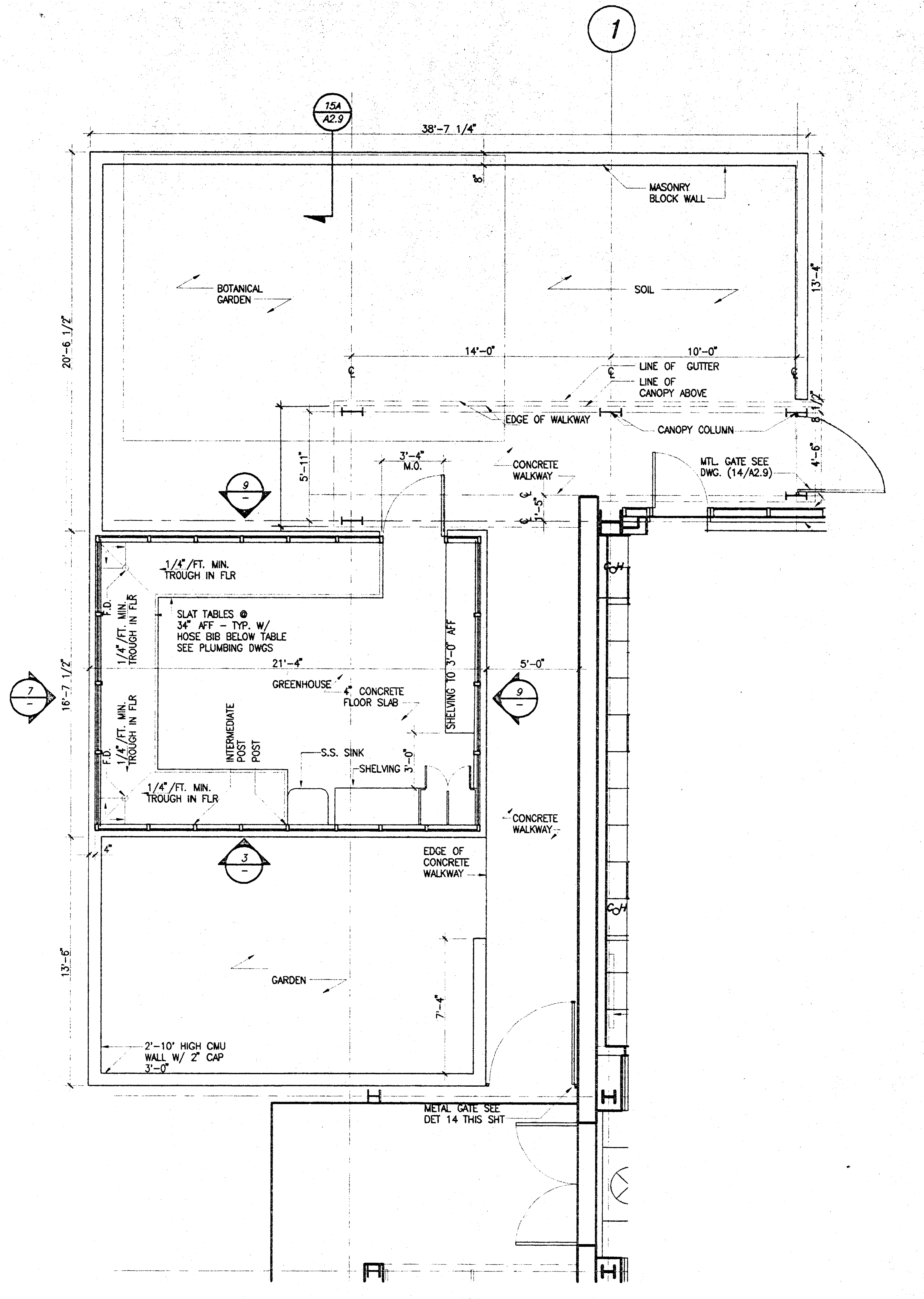
A2.8

OF ___ SHEETS

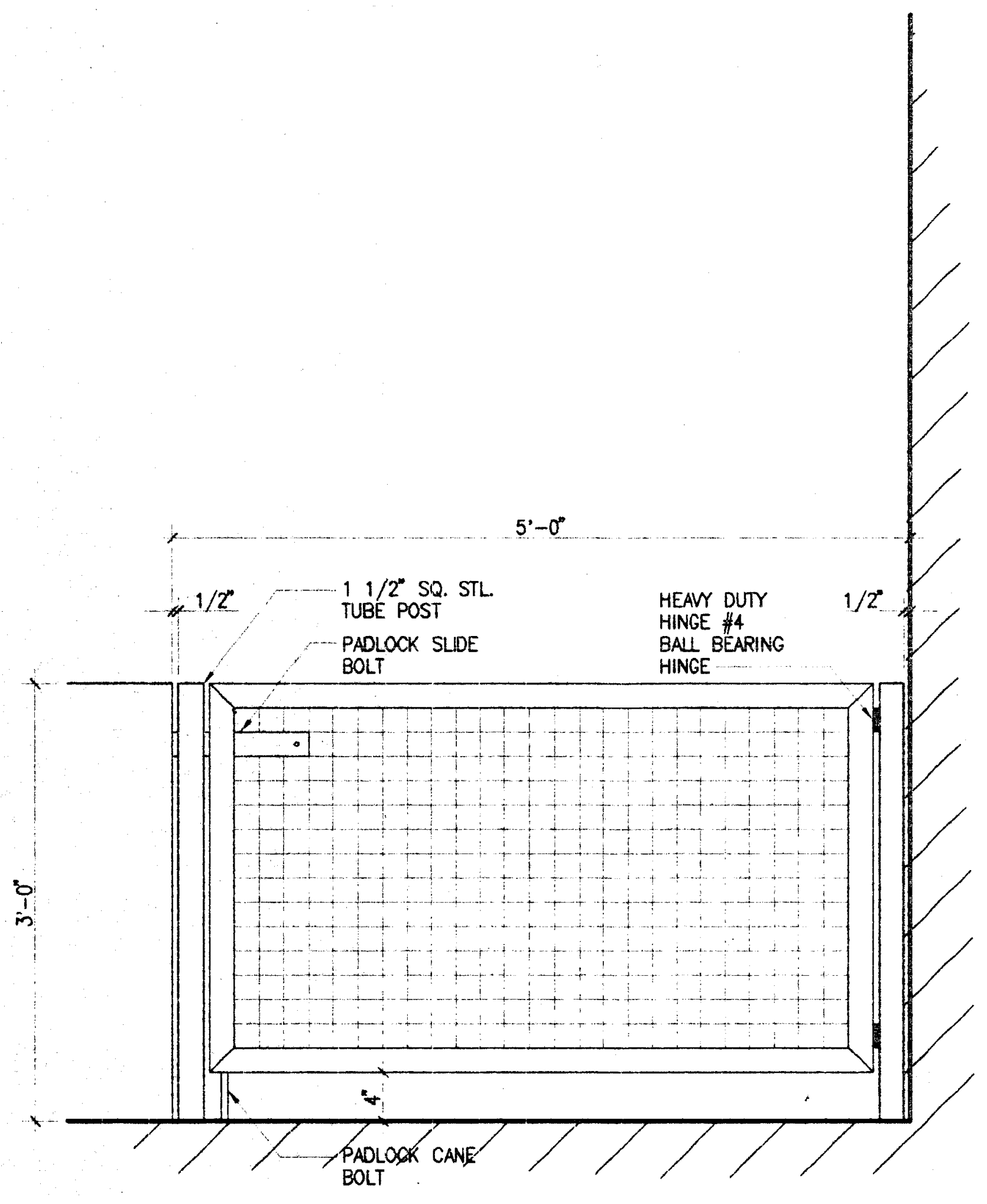
NOT USED =1'-0" 13
–



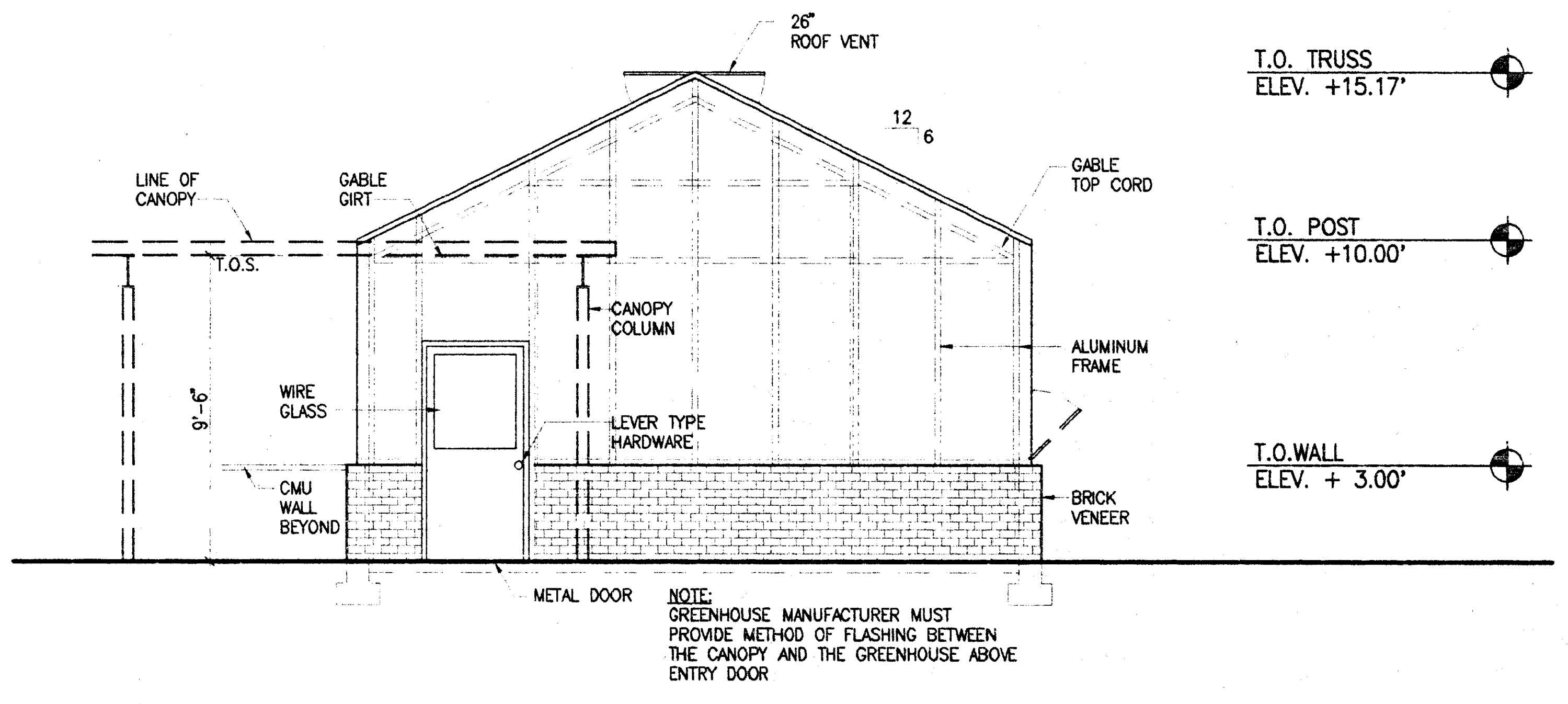
GREEN HOUSE WEST ELEVATION 1/4"=1'-0" 7
CMXE04 A2.1



GREEN HOUSE ENLARGED FLOOR PLAN 1/4"=1'-0" 2
CMFP01 A2.1

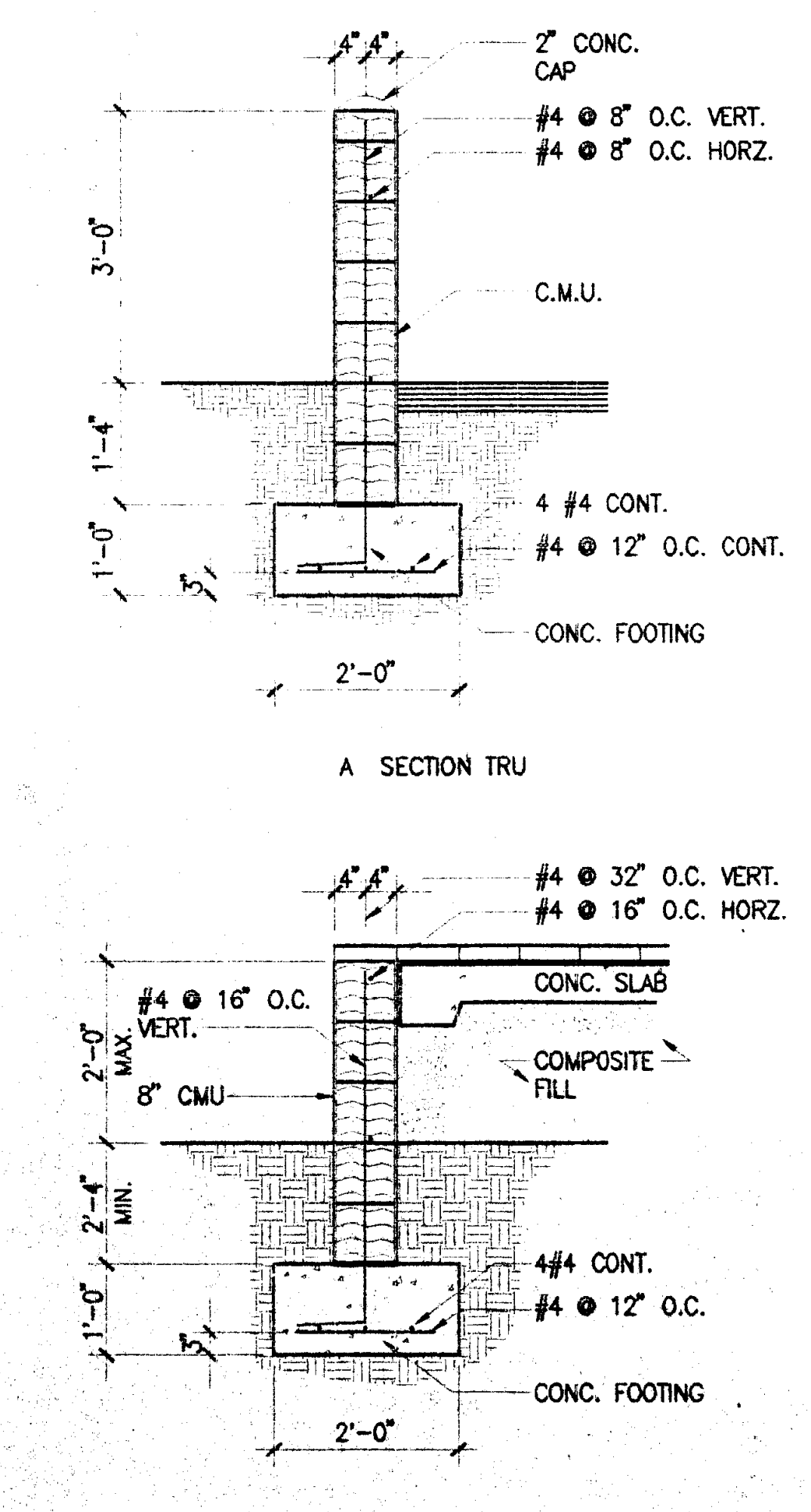


GATE ELEVATION 1/2"=1'-0" 14
DE08065 –



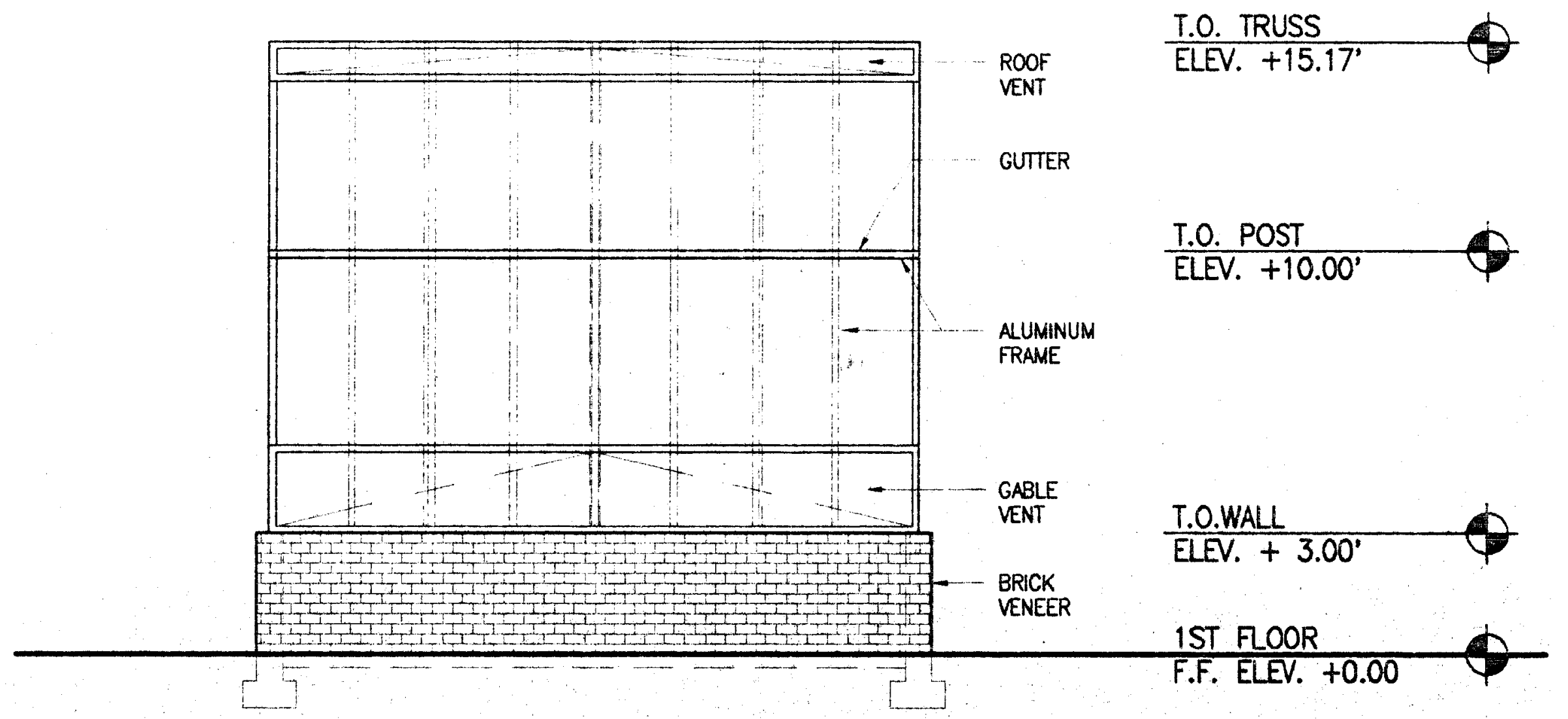
NOTE:
GREENHOUSE MANUFACTURER MUST PROVIDE METHOD OF FLASHING BETWEEN THE CANOPY AND THE GREENHOUSE ABOVE ENTRY DOOR

GREEN HOUSE NORTH ELEVATION 1/4"=1'-0" 8
CMXE04 A2.1

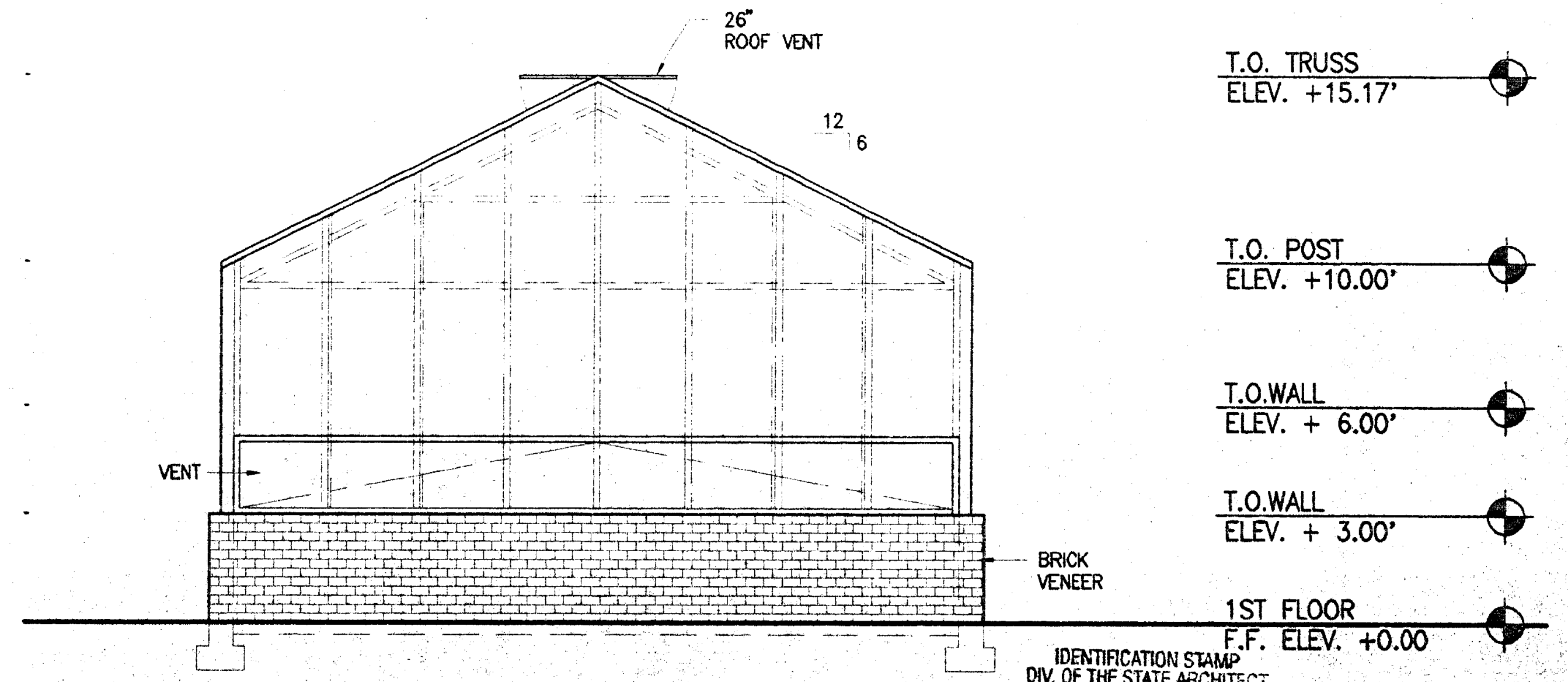


SECT. TRU PERI. WALL + SEATING AREA 1/2"=1'-0" 15
DE04001B/C A2.1

PLOT DATE: 03.17.98



GREEN HOUSE EAST ELEVATION 1/4"=1'-0" 9
CMXE04 A2.1



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APPL 69120
AC ____ FLS ____ SS ____
DATE 3-30-98

GREEN HOUSE SOUTH ELEVATION 1/4"=1'-0" 3
CMXE04 A2.1

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APPROVED JGM

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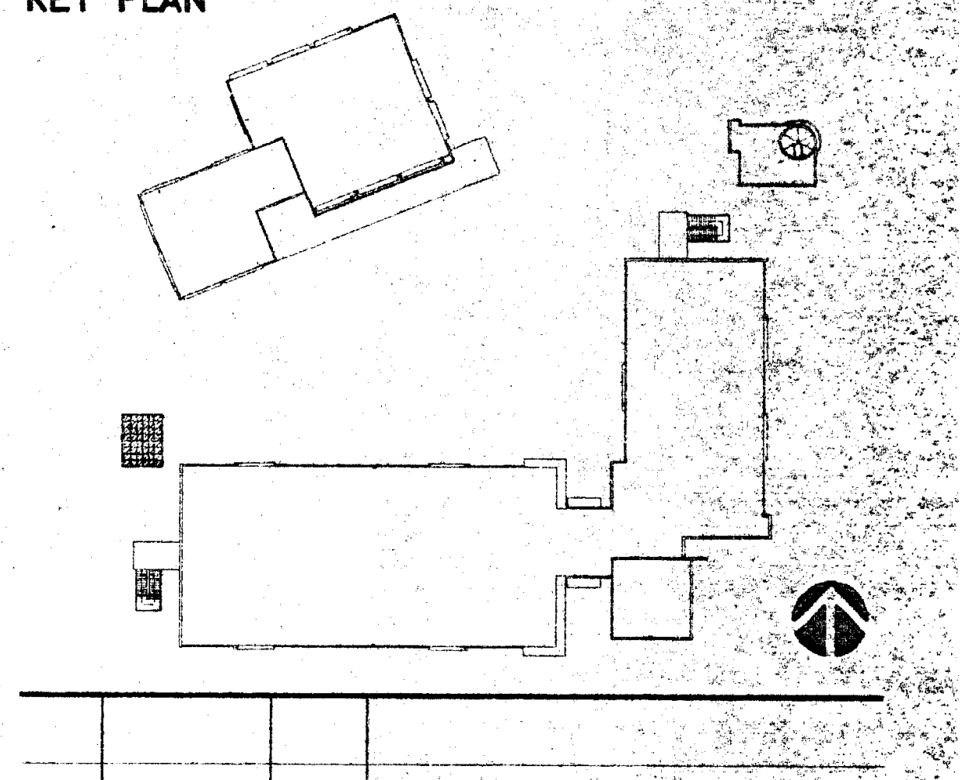
SEAL
MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

GENERAL NOTES:

GREEN HOUSE DEFFERED APPROVAL

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
GREENHOUSE PLANS, ELEVATIONS AND BUILDING SECTIONS

FILE: CMA2-09
SCALE 1/8=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO. A2.9
OF SHEETS

REFLECTED CEILING PLAN NOTES

1. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES
2. REFER TO THE MATERIAL AND FINISH CODES ON THIS SHEET FOR SPECIFIC INFORMATION REGARDING THE CEILING MATERIAL AND FINISH
3. WHERE LIGHT FIXTURES AND/OR OTHER DEVICES ARE GRAPHICALLY REPRESENTED AS BEING LOCATED IN THE CENTER OF A ROOM HAVING A HARD CEILING, WHETHER DIMENSIONED OR NOT, THE CONTRACTOR SHALL LOCATE THE LIGHT OR DEVICE IN THE CENTER OF THE ROOM.
4. WHERE LIGHT FIXTURES AND/OR OTHER DEVICES ARE GRAPHICALLY REPRESENTED AS BEING LOCATED IN TEH CENTER OF A CEILING TILE, WHETHER DIMENSIONED OR NOT, THE CONTRACTOR SHALL LOCATE THE LIGHT OR DEVICE EXACTLY IN THE CENTER OF THE TILE.
5. REFER TO THE ELECTIRCAL DRAWINGS AND/OR THE SPECIFICATIONS FOR SPECIFIC INFORMATION REGARDING THE LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES SHOWN ON THIS SHEET, INCLUDING WHETHER THE LIGHT FIXTURE OR DEVICE IS RECESSED OR SURFACE MOUNTED.
6. REFER TO THE MECHANICAL DRAWINGS AND/OR SPECIFICATIONS FOR SPECIFIC INFORMATION REGARDING THE AIR REGISTERS AND DIFFUSERS.
7. ADDITIONAL CEILING ACCESS PANELS MAY BE CALLED FOR BY THE MECHANICAL PLUMBING AND/OR ELECTIRCAL DRAWINGS AND NOT BE SHOWN ON THE REFLECTED CEILING PLAN. IN THIS EVENT, THE CONTRACTOR SHALL CONFIRM THE LOCATON OF THE ACCESS PANEL WITH THE ARCHITECT, PRIOR TO PROCEEDING WORK.
8. IN THE EVENT OF A CONFLICT BETWEEN THE REFLECTED CEILING PLAN AND THE CORRESPONDING DRAWINGS OF THE OTHER DISCIPLINES, THE CONTRACTOR SHALL BRING THE CONFLICT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION, PRIOR TO PROCEEDING WITH THE WORK.
9. REFER TO DETAIL SHEET FOR GENERAL NOTES AND DETAILS.
10. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND IMMEDIATLY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

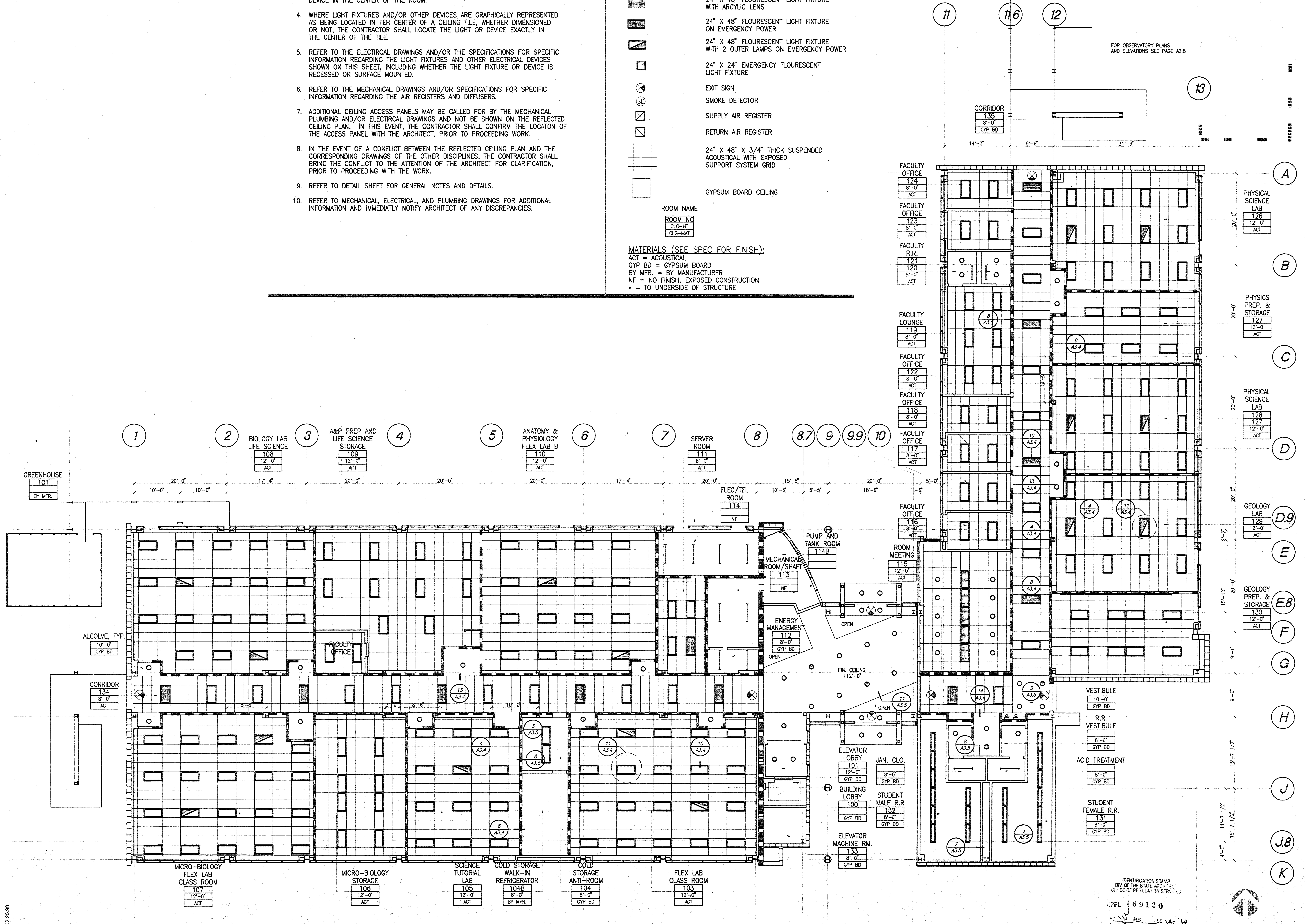
REFLECTED CEILING PLAN LEGEND

▭	24" X 48" FLOURESCENT LIGHT FIXTURE
□	24" X 24" FLOURESCENT LIGHT FIXTURE
▭	12" X 24" FLOURESCENT LIGHT FIXTURE
○	RECESSED LIGHTING
⊖	RECESSED LIGHTING ON EMERGENCY POWER
▦	24" X 48" FLOURESCENT LIGHT FIXTURE WITH ARCYLIC LENS
▩	24" X 48" FLOURESCENT LIGHT FIXTURE ON EMERGENCY POWER
◩	24" X 48" FLOURESCENT LIGHT FIXTURE WITH 2 OUTER LAMPS ON EMERGENCY POWER
▣	24" X 24" EMERGENCY FLOURESCENT LIGHT FIXTURE
⊗	EXIT SIGN
(SD)	SMOKE DETECTOR
☒	SUPPLY AIR REGISTER
⧄	RETURN AIR REGISTER
┼	24" X 48" X 3/4" THICK SUSPENDED ACOUSTICAL WITH EXPOSED SUPPORT SYSTEM GRID
□	GYPSUM BOARD CEILING

ROOM NAME

ROOM NO
CLG-HT
CLG-MAT

MATERIALS (SEE SPEC FOR FINISH):
ACT = ACOUSTICAL
GYP BD = GYPSUM BOARD
BY MFR. = BY MANUFACTURER
NF = NO FINISH, EXPOSED CONSTRUCTION
* = TO UNDERSIDE OF STRUCTURE



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APPL 69120
AC [illegible] FLS SS [illegible]
3-20-98

PLOT DATE: 02.20.98

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CHECKED	JGM
APPROVED	JGM

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MORRIS P. POINDEXTER
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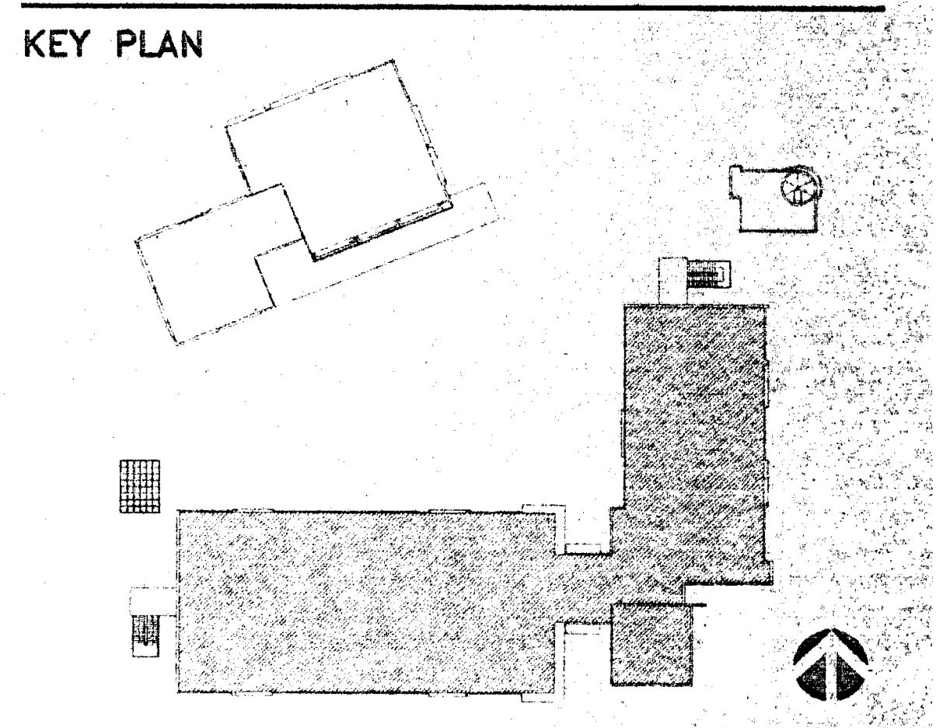
3-31-99
RENEWAL DATE
STATE OF CALIFORNIA

GENERAL NOTES:
1 HR WALL SEE SHEET A6.6 FOR DETAIL TYPES

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE BUILDING
FIRST FLOOR
REFLECTED CEILING PLAN

FILE:	CMA3-01	SHEET NO.
SCALE	1/8=1'-0"	A3.1
JOB NO.	JGM	
DATE		OF ____ SHEETS

REFLECTED CEILING PLAN NOTES

1. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES
2. REFER TO THE MATERIAL AND FINISH CODES ON THIS SHEET FOR SPECIFIC INFORMATION REGARDING THE CEILING MATERIAL AND FINISH
3. WHERE LIGHT FIXTURES AND/OR OTHER DEVICES ARE GRAPHICALLY REPRESENTED AS BEING LOCATED IN THE CENTER OF A ROOM HAVING A HARD CEILING, WHETHER DIMENSIONED OR NOT, THE CONTRACTOR SHALL LOCATE THE LIGHT OR DEVICE IN THE CENTER OF THE ROOM.
4. WHERE LIGHT FIXTURES AND/OR OTHER DEVICES ARE GRAPHICALLY REPRESENTED AS BEING LOCATED IN TEH CENTER OF A CEILING TILE, WHETHER DIMENSIONED OR NOT, THE CONTRACTOR SHALL LOCATE THE LIGHT OR DEVICE EXACTLY IN THE CENTER OF THE TILE.
5. REFER TO THE ELECTIRCAL DRAWINGS AND/OR THE SPECIFICATIONS FOR SPECIFIC INFORMATION REGARDING THE LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES SHOWN ON THIS SHEET, INCLUDING WHETHER THE LIGHT FIXTURE OR DEVICE IS RECESSED OR SURFACE MOUNTED.
6. REFER TO THE MECHANICAL DRAWINGS AND/OR SPECIFICATIONS FOR SPECIFIC INFORMATION REGARDING THE AIR REGISTERS AND DIFFUSERS.
7. ADDITIONAL CEILING ACCESS PANELS MAY BE CALLED FOR BY THE MECHANICAL PLUMBING AND/OR ELECTIRCAL DRAWINGS AND NOT BE SHOWN ON THE REFLECTED CEILING PLAN. IN THIS EVENT, THE CONTRACTOR SHALL CONFIRM THE LOCATON OF THE ACCESS PANEL WITH THE ARCHITECT, PRIOR TO PROCEEDING WORK.
8. IN THE EVENT OF A CONFLICT BETWEEN THE REFLECTED CEILING PLAN AND THE CORRESPONDING DRAWINGS OF THE OTHER DISCIPLINES, THE CONTRACTOR SHALL BRING THE CONFLICT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION, PRIOR TO PROCEEDING WITH THE WORK.
9. REFER TO DETAIL SHEET FOR GENERAL NOTES AND DETAILS.
10. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND IMMEDIATLY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

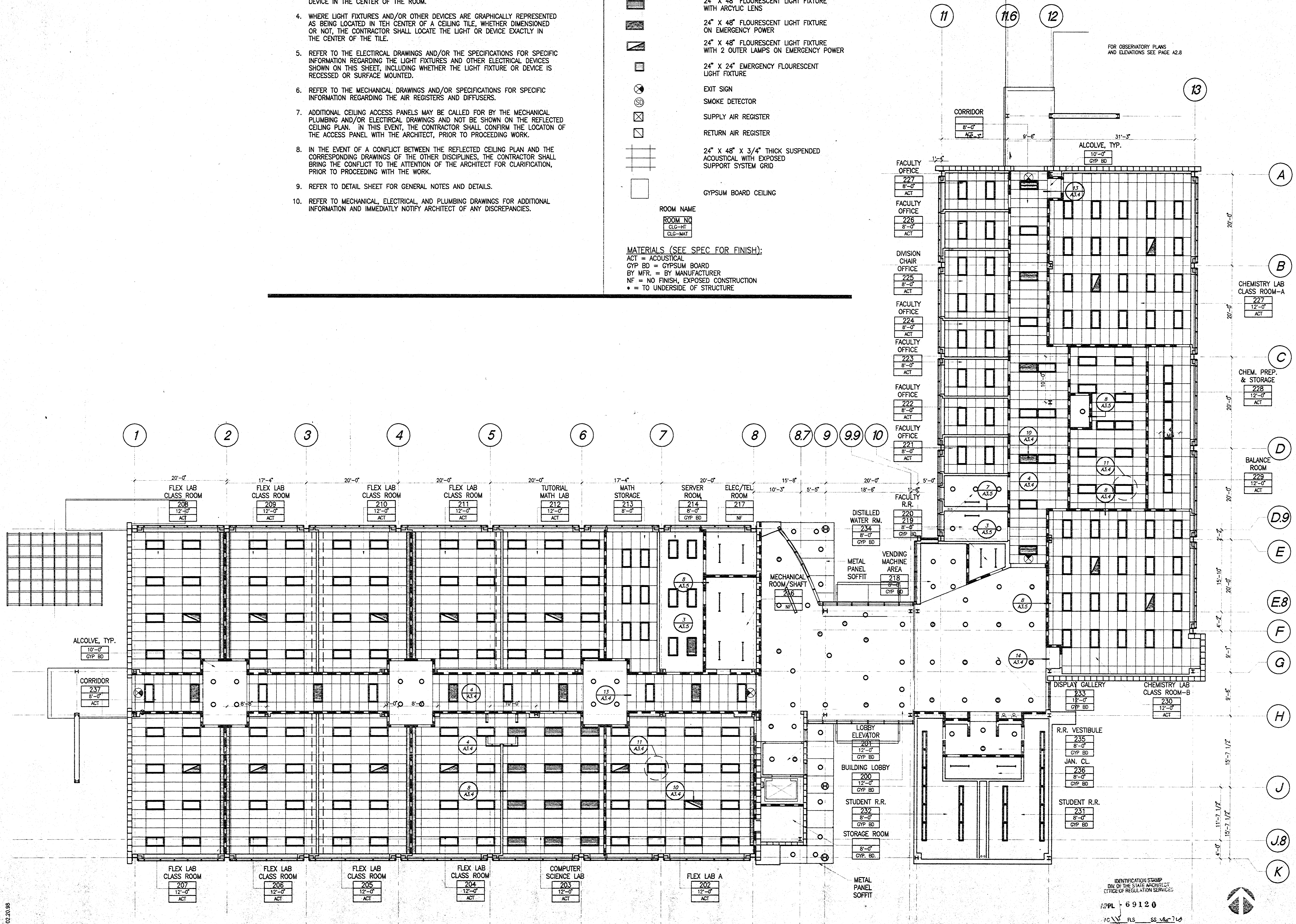
REFLECTED CEILING PLAN LEGEND

▭	24" X 48" FLOURESCENT LIGHT FIXTURE
□	24" X 24" FLOURESCENT LIGHT FIXTURE
▭	12" X 24" FLOURESCENT LIGHT FIXTURE
○	RECESSED LIGHTING
●	RECESSED LIGHTING ON EMERGENCY POWER
▦	24" X 48" FLOURESCENT LIGHT FIXTURE WITH ARCYLIC LENS
▨	24" X 48" FLOURESCENT LIGHT FIXTURE ON EMERGENCY POWER
◪	24" X 48" FLOURESCENT LIGHT FIXTURE WITH 2 OUTER LAMPS ON EMERGENCY POWER
▤	24" X 24" EMERGENCY FLOURESCENT LIGHT FIXTURE
⊗	EXIT SIGN
(SD)	SMOKE DETECTOR
☒	SUPPLY AIR REGISTER
⧄	RETURN AIR REGISTER
⊞	24" X 48" X 3/4" THICK SUSPENDED ACOUSTICAL WITH EXPOSED SUPPORT SYSTEM GRID
□	GYPSUM BOARD CEILING

ROOM NAME

ROOM NO
CLG-HT
CLG-MAT

MATERIALS (SEE SPEC FOR FINISH):
ACT = ACOUSTICAL
GYP BD = GYPSUM BOARD
BY MFR. = BY MANUFACTURER
NF = NO FINISH, EXPOSED CONSTRUCTION
* = TO UNDERSIDE OF STRUCTURE



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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APPL - 69120
AC ✓ FLS SS V6 7W
DATE 3-30-98

PLOT DATE: 02.20.98

Jenkins/Gales & Martinez, Inc.
Architects • Engineers • Planners
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Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721

PROGRAMMING
PLANNING
ARCHITECTURE

DRAWN
CHECKED JGM
APPROVED JGM

CONSULTANT

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14930 VENTURA BLVD., STE. 240
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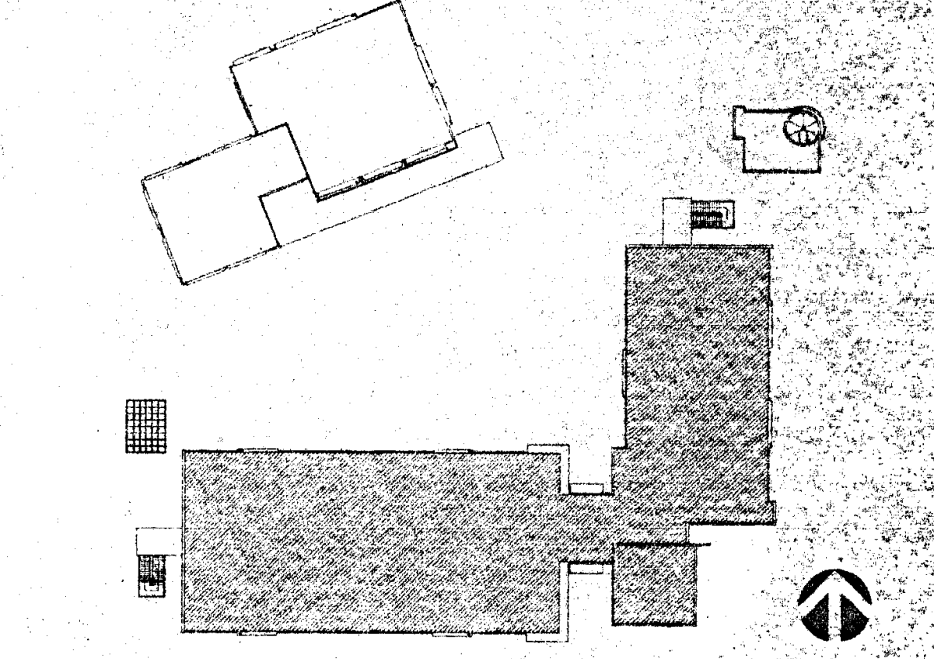
SEAL

MORRIS R. POINDEXTER
C-13000
3-31-99
RENEWAL DATE

GENERAL NOTES:

1 HR WALL SEE SHEET A6.6 FOR DETAIL TYPES

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

**HEALTH + SAFETY
MATH-SCIENCE BUILDING**

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
**MATH SCIENCE BUILDING
SECOND FLOOR
REFLECTED CEILING PLAN**

FILE: CMA3-02
SCALE 1/8=1'-0"
JOB NO. JGM
DATE
SHEET NO. A3.2
OF ____ SHEETS

REFLECTED CEILING PLAN NOTES

1. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES
2. REFER TO THE MATERIAL AND FINISH CODES ON THIS SHEET FOR SPECIFIC INFORMATION REGARDING THE CEILING MATERIAL AND FINISH
3. WHERE LIGHT FIXTURES AND/OR OTHER DEVICES ARE GRAPHICALLY REPRESENTED AS BEING LOCATED IN THE CENTER OF A ROOM HAVING A HARD CEILING, WHETHER DIMENSIONED OR NOT, THE CONTRACTOR SHALL LOCATE THE LIGHT OR DEVICE IN THE CENTER OF THE ROOM.
4. WHERE LIGHT FIXTURES AND/OR OTHER DEVICES ARE GRAPHICALLY REPRESENTED AS BEING LOCATED IN TEH CENTER OF A CEILING TILE, WHETHER DIMENSIONED OR NOT, THE CONTRACTOR SHALL LOCATE THE LIGHT OR DEVICE EXACTLY IN THE CENTER OF THE TILE.
5. REFER TO THE ELECTIRCAL DRAWINGS AND/OR THE SPECIFICATIONS FOR SPECIFIC INFORMATION REGARDING THE LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES SHOWN ON THIS SHEET, INCLUDING WHETHER THE LIGHT FIXTURE OR DEVICE IS RECESSED OR SURFACE MOUNTED.
6. REFER TO THE MECHANICAL DRAWINGS AND/OR SPECIFICATIONS FOR SPECIFIC INFORMATION REGARDING THE AIR REGISTERS AND DIFFUSERS.
7. ADDITIONAL CEILING ACCESS PANELS MAY BE CALLED FOR BY THE MECHANICAL PLUMBING AND/OR ELECTIRCAL DRAWINGS AND NOT BE SHOWN ON THE REFLECTED CEILING PLAN. IN THIS EVENT, THE CONTRACTOR SHALL CONFIRM THE LOCATON OF THE ACCESS PANEL WITH THE ARCHITECT, PRIOR TO PROCEEDING WORK.
8. IN THE EVENT OF A CONFLICT BETWEEN THE REFLECTED CEILING PLAN AND THE CORRESPONDING DRAWINGS OF THE OTHER DISCIPLINES, THE CONTRACTOR SHALL BRING THE CONFLICT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION, PRIOR TO PROCEEDING WITH THE WORK.
9. REFER TO DETAIL SHEET FOR GENERAL NOTES AND DETAILS.
10. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND IMMEDIATLY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

REFLECTED CEILING PLAN LEGEND

▭	24" X 48" FLOURESCENT LIGHT FIXTURE
□	24" X 24" FLOURESCENT LIGHT FIXTURE
▭	12" X 24" FLOURESCENT LIGHT FIXTURE
○	RECESSED LIGHTING
●	RECESSED LIGHTING ON EMERGENCY POWER
▦	24" X 48" FLOURESCENT LIGHT FIXTURE WITH ARCYLIC LENS
▩	24" X 48" FLOURESCENT LIGHT FIXTURE ON EMERGENCY POWER
◩	24" X 48" FLOURESCENT LIGHT FIXTURE WITH 2 OUTER LAMPS ON EMERGENCY POWER
▤	24" X 24" EMERGENCY FLOURESCENT LIGHT FIXTURE
⊗	EXIT SIGN
(SD)	SMOKE DETECTOR
☒	SUPPLY AIR REGISTER
⧅	RETURN AIR REGISTER
┼	24" X 48" X 3/4" THICK SUSPENDED ACOUSTICAL WITH EXPOSED SUPPORT SYSTEM GRID
□	GYPSUM BOARD CEILING

ROOM NAME

ROOM NO
CLG-HT
CLG-MAT

MATERIALS (SEE SPEC FOR FINISH):
ACT = ACOUSTICAL
GYP BD = GYPSUM BOARD
BY MFR. = BY MANUFACTURER
NF = NO FINISH, EXPOSED CONSTRUCTION
* = TO UNDERSIDE OF STRUCTURE

PLOT DATE: 02.20.98

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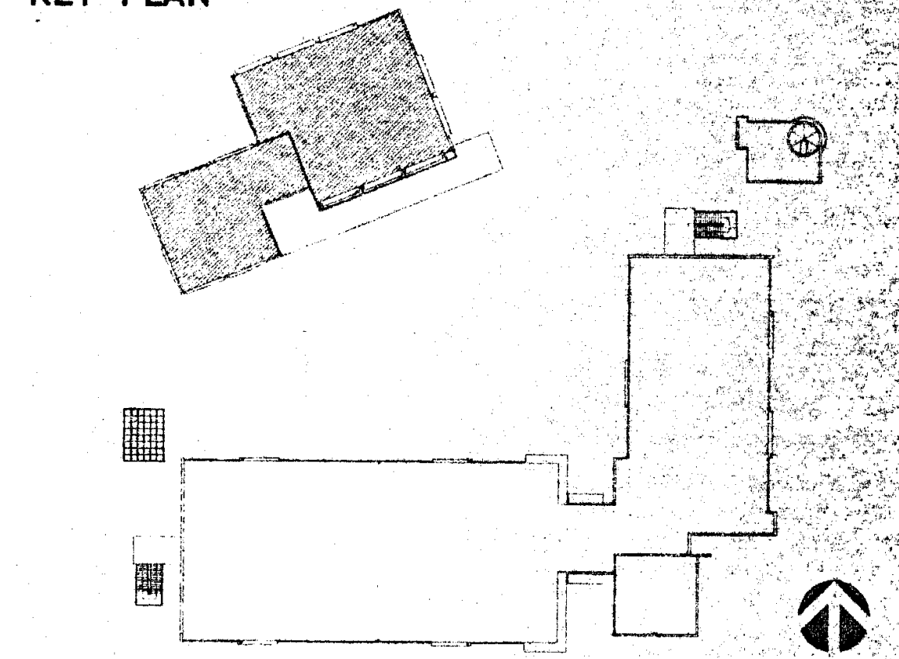
CULVER CITY, CA. 90232
310-202-0246
310-202-0678 FAX

SEAL
MORRIS R. POINDEXTER
C 13900
3-31-99

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MIS/PRINT SHOP BUILDING
REFLECTED CEILING
PLAN

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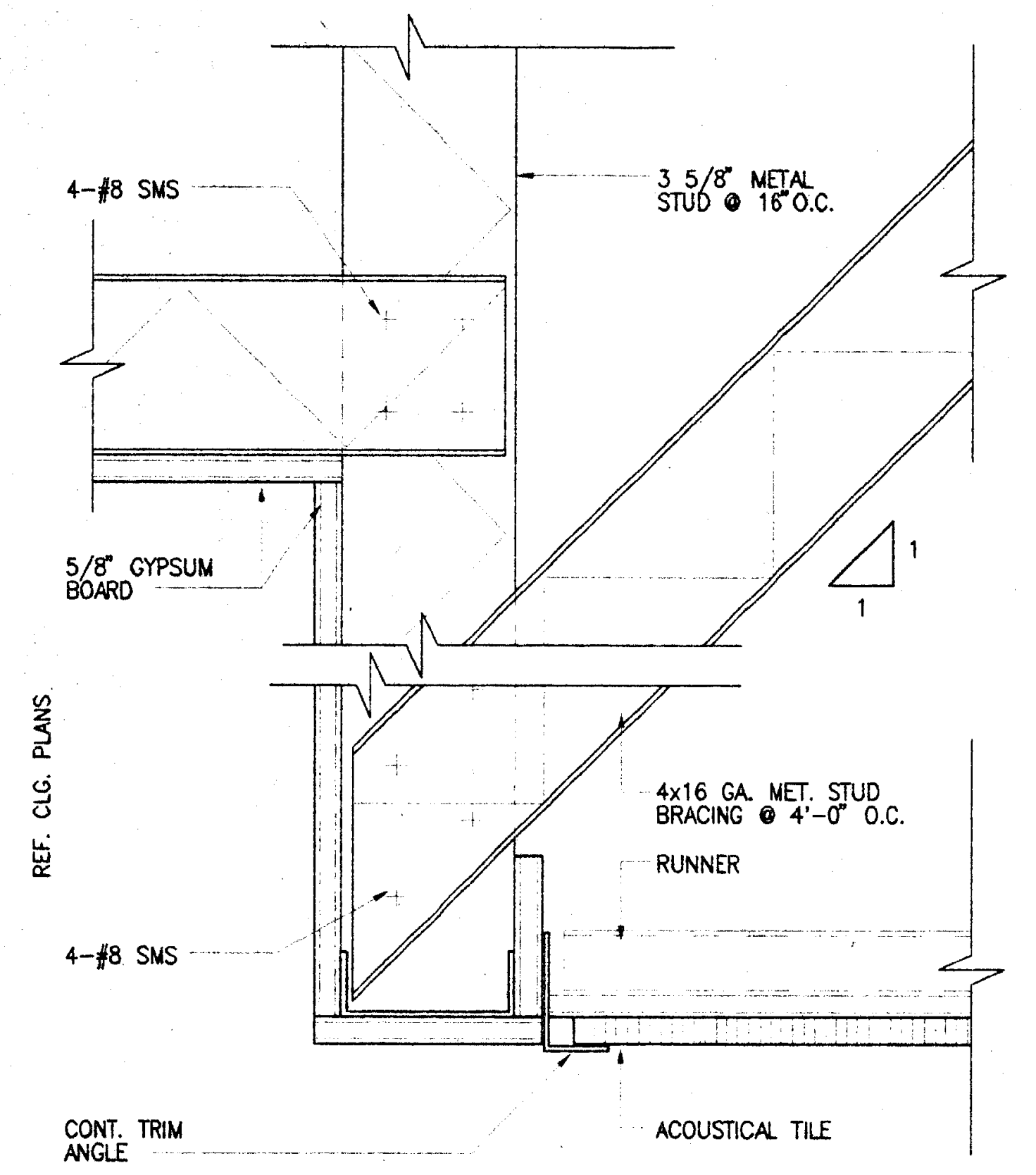
AC ___ FLS ___ SS VRC 1/8
DATE 3-20-98

FILE: CMA3-03
SCALE 1/8=1'-0"
JOB NO. JGM
DATE

SHEET NO.
A3.3
OF ___ SHEETS



ACOUSTICAL CEILING SOFFIT
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13
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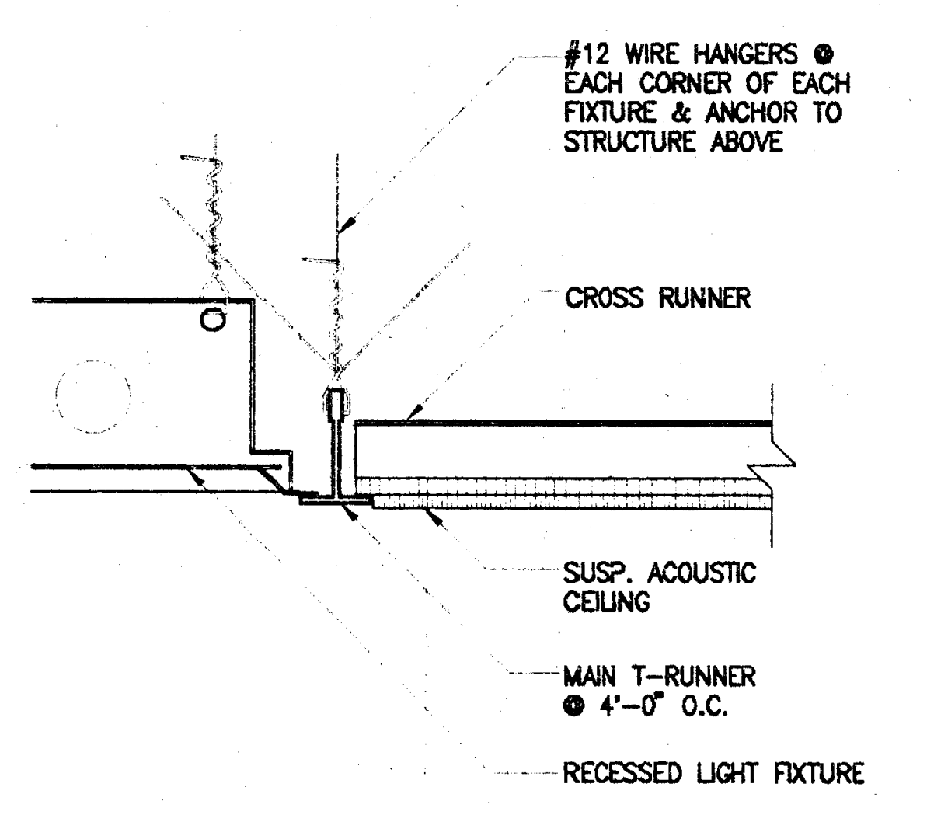
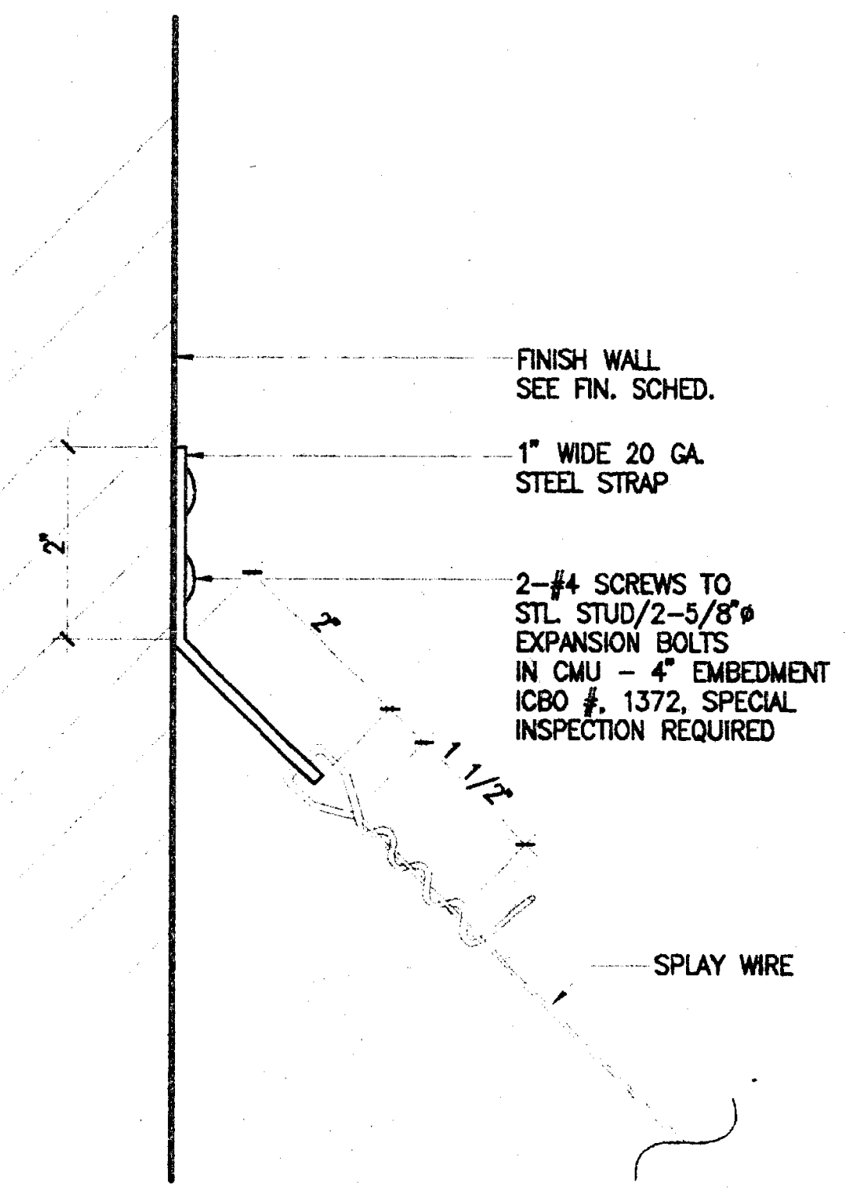
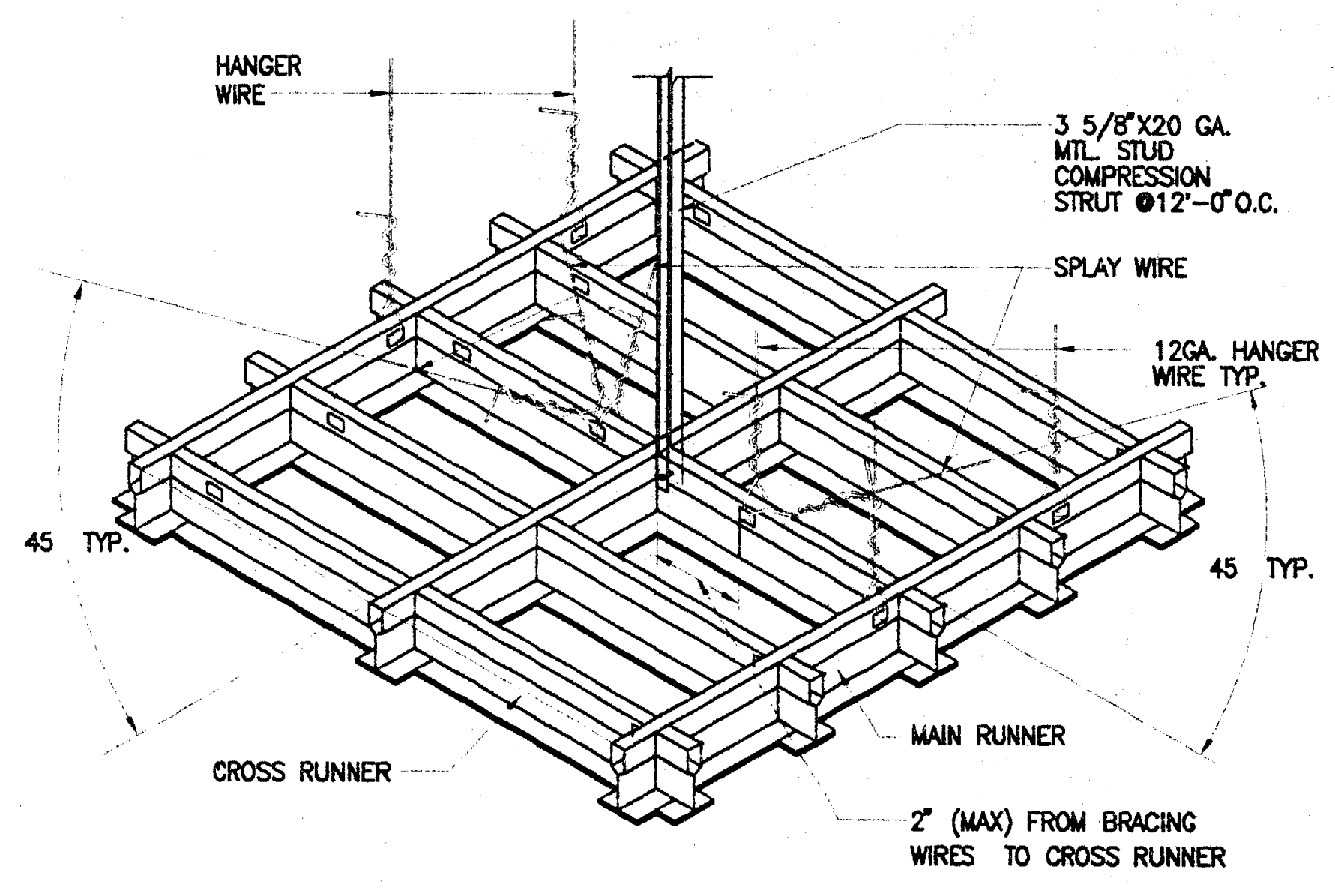
A3.1



RECCESSED LIGHT FIXTURE
3"=1'-0"
10
DE09003
A3.1



SPLAY WIRE DETAIL
N.T.S.
7
DE09006
A3.1



SUSP. CLG. GRID SYSTEM
N.T.S.
4
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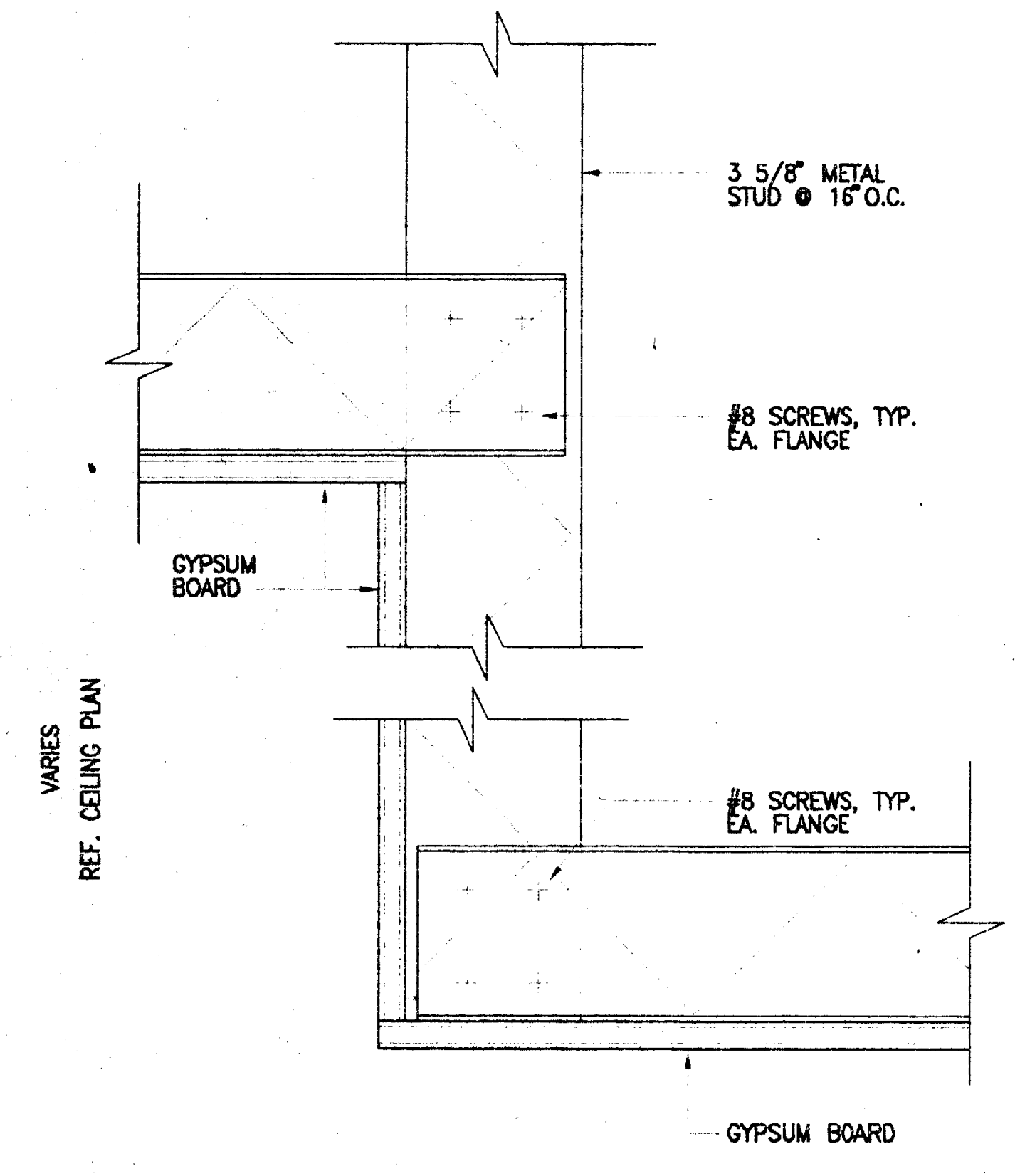
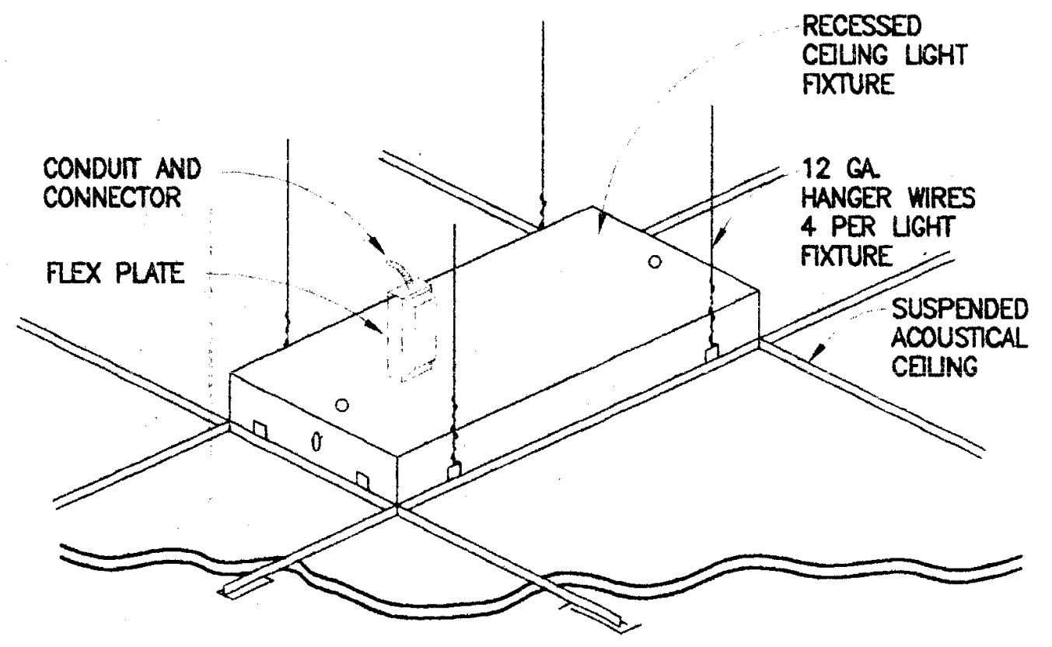
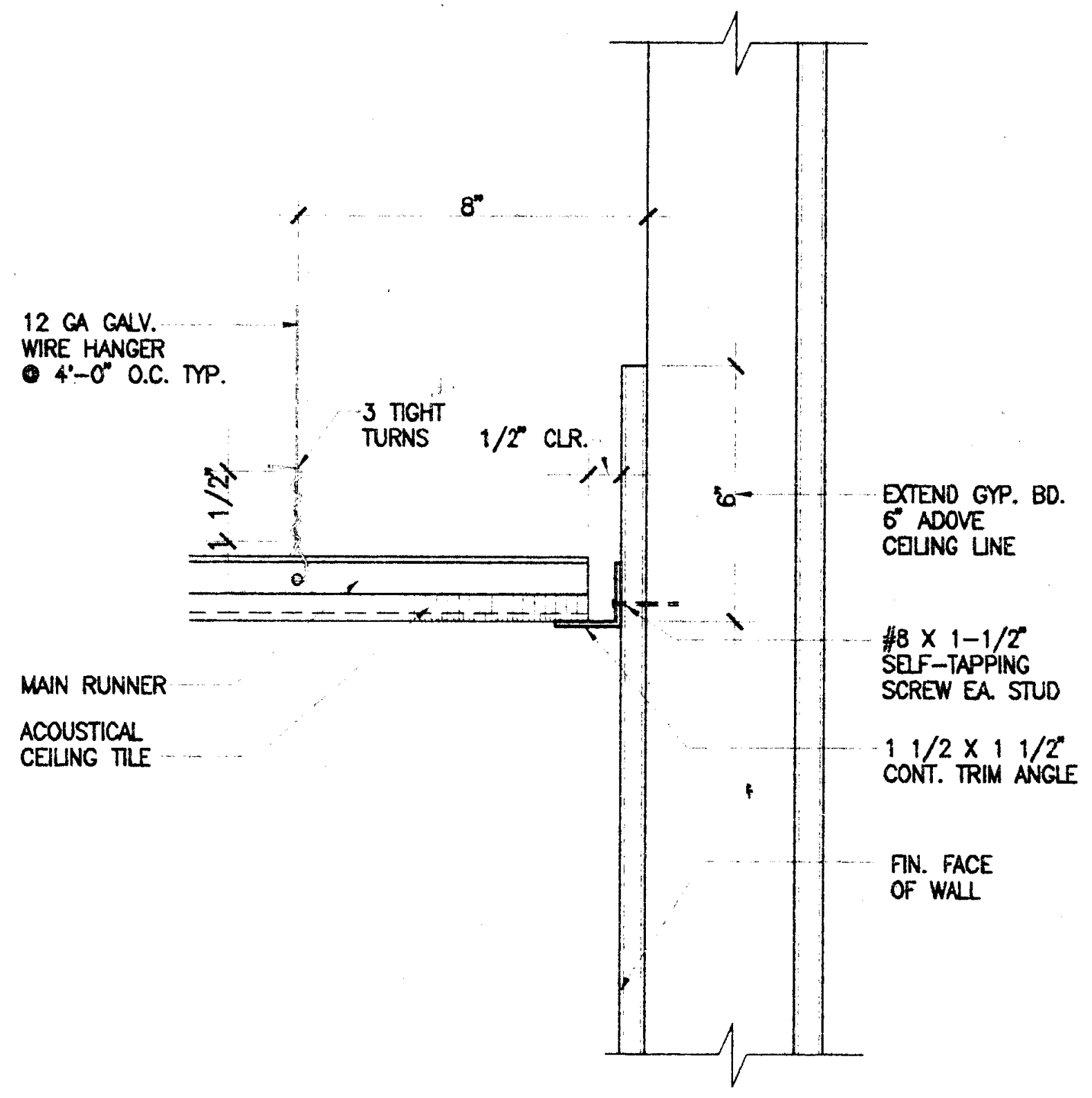
A3.1



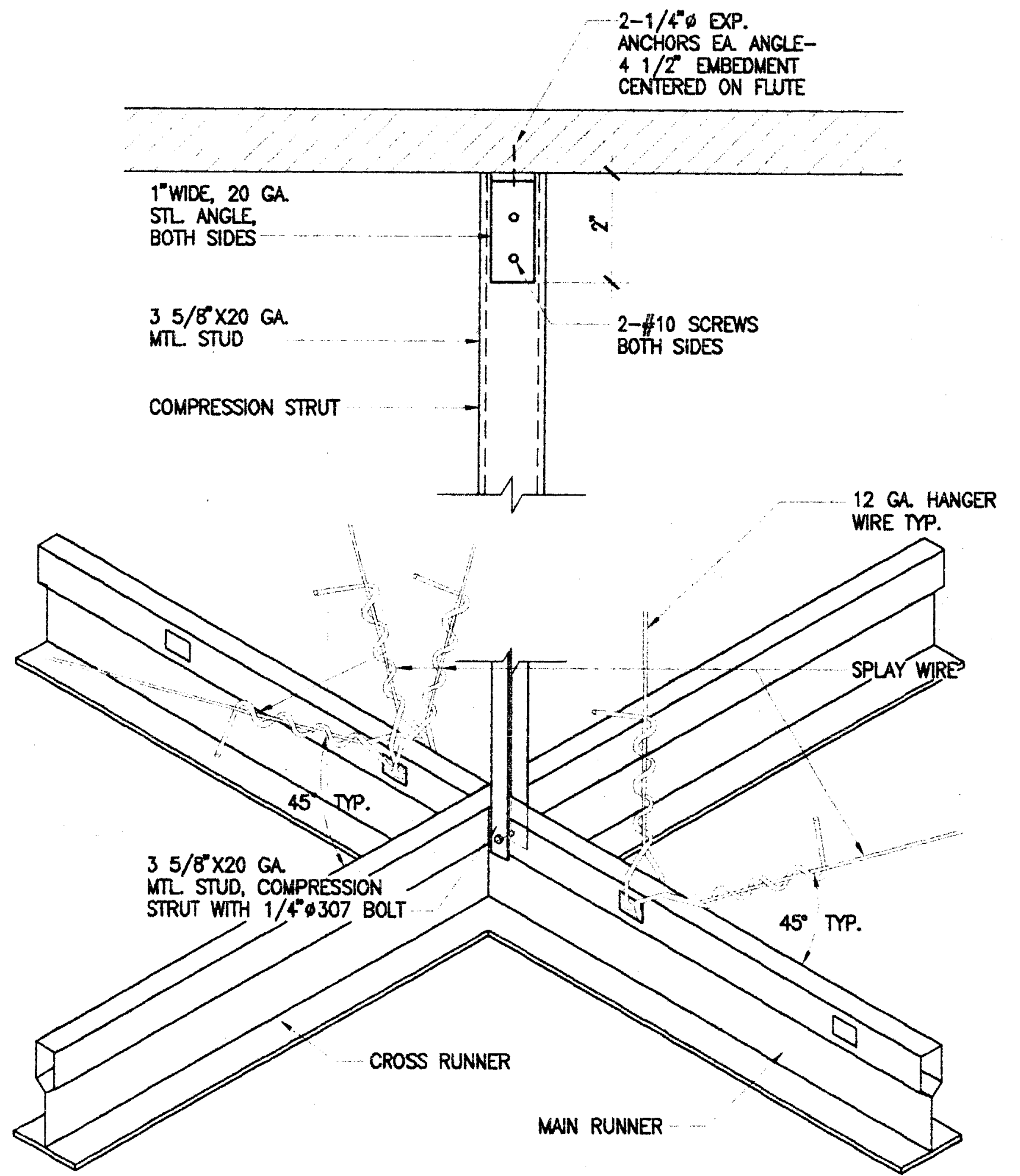
GYPSUM BOARD SOFFIT
3"=1'-0"
14
DE09059
A3.1



LIGHT FIXTURE SUPPORT
N.T.S.
11
DE09002
A3.1



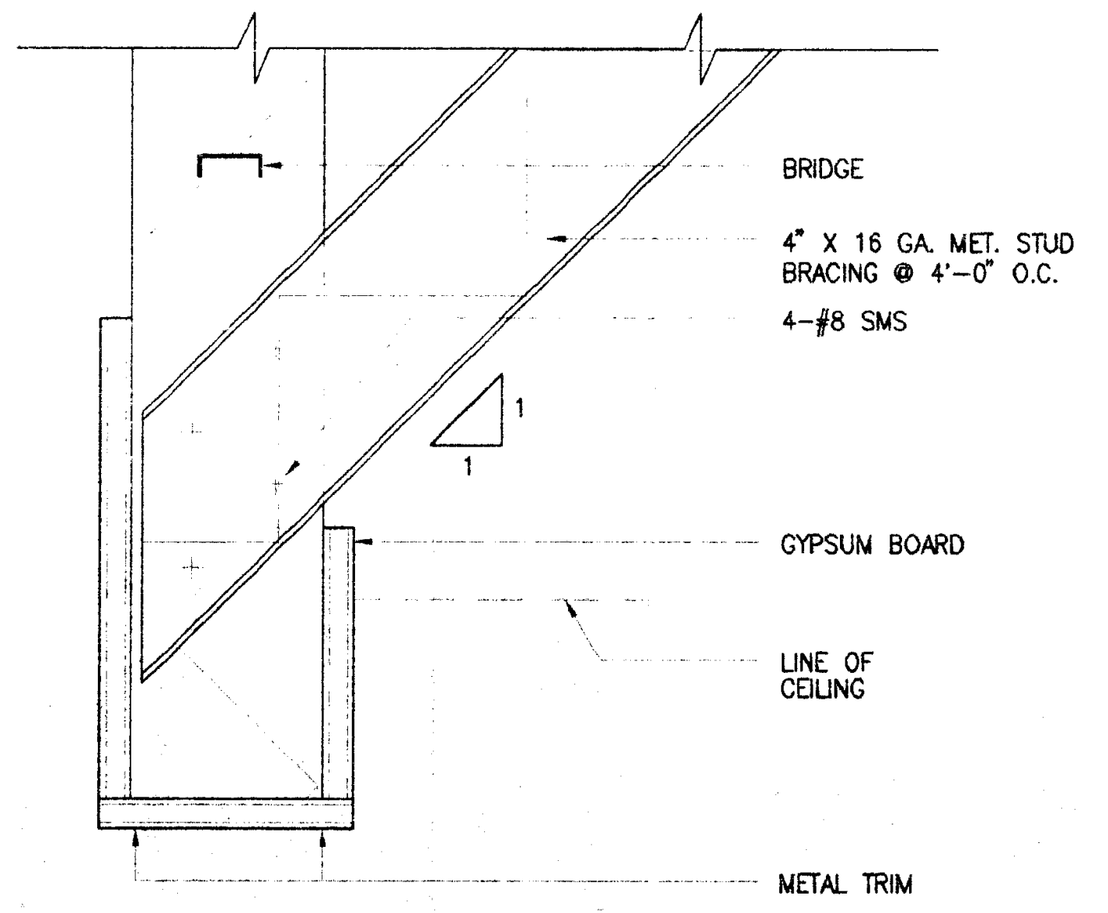
SLIP JOINT @ WALL
3"=1'-0"
8
DE09001A
A3.1



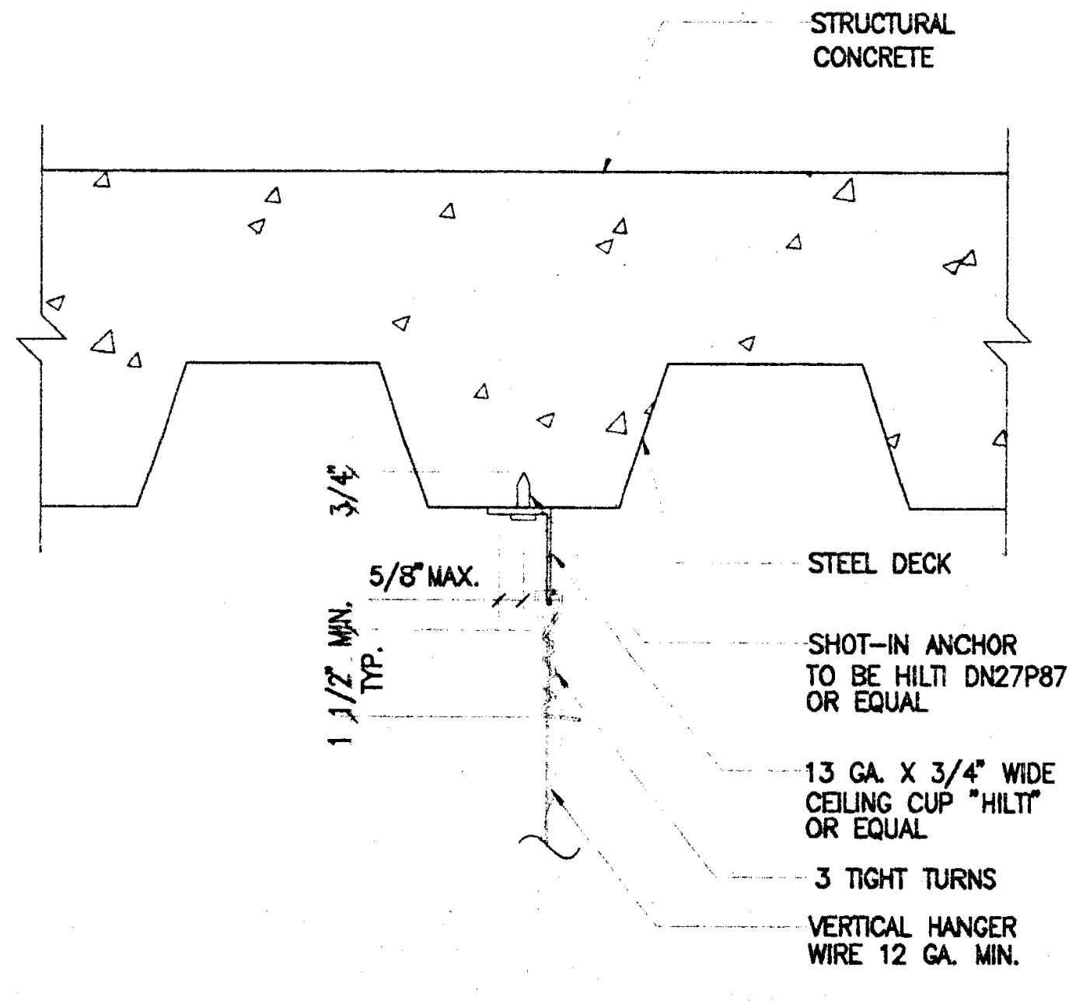
NOTE: COMPRESSION STRUTS SHALL BE PLACED @ 12'-0" O.C. IN BOTH DIRECTIONS W/ THE FIRST POINT WITHIN 6" FROM EACH WALL

COMPRESSION STRUT
N.T.S.
5
DE09046A
A3.1

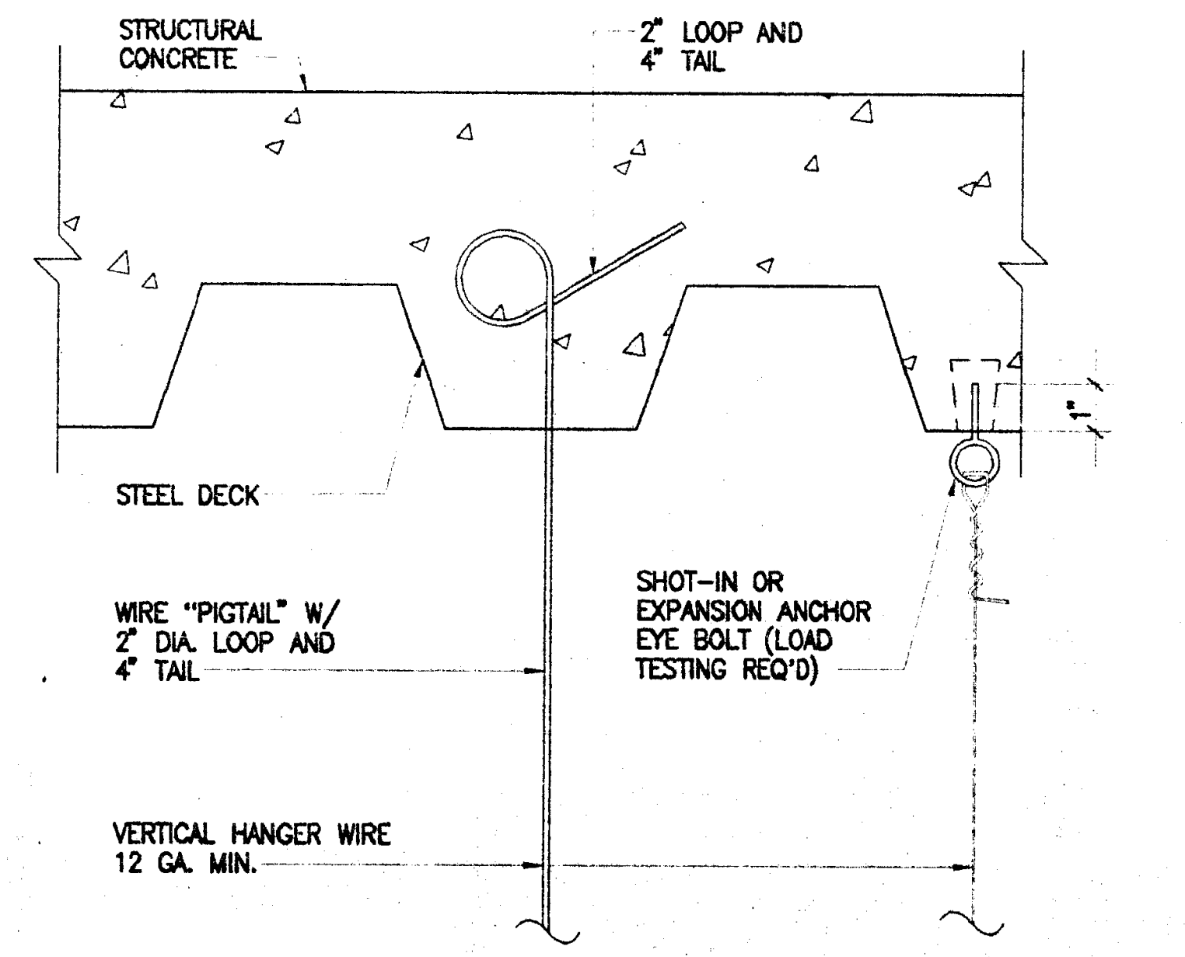
—
15
—
A3.1



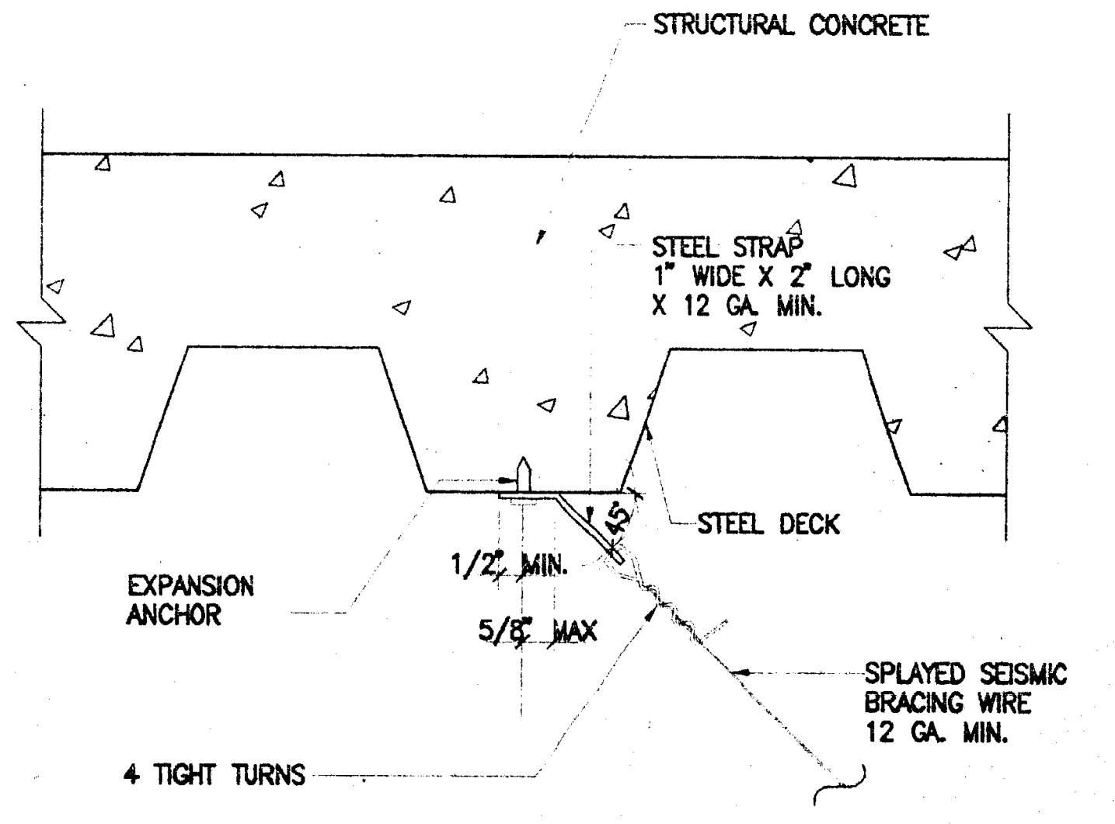
GYPSUM BOARD HEADER
3"=1'-0"
12
DE09064
A3.1



HANGER WIRE DETAIL
3"=1'-0"
9
DE09054
A3.1



HANGER WIRE DETAIL
3"=1'-0"
6
DE09051
A3.1



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SPLAY WIRE DETAIL
3"=1'-0"
3
DE09056
A3.1

PLOT DATE: 03.17.98

SUSPENDED A.T.C. GENERAL NOTES

1. HANGER WIRES SHALL BE PROVIDED FOR ALL MAIN RUNNERS AND CROSS RUNNERS WITHIN 8" OF CEILING PERIMETERS OR WITHIN 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR PERIMETER OF THE CEILING AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB SHALL HAVE COUNTER BRACED WIRES. SPLICES ARE NOT PERMITTED IN HANGER WIRES.
2. A SET OF 4 SPLAY WIRES SHALL BE PROVIDED FOR EACH 96 S.F. OF CEILING AREA UNLESS OTHER SPECIALLY DESIGNED AND DETAILED BRACING IS PROVIDED. FIRST SET OF SPLAY WIRES SHALL BE 4'-0" FROM ANY WALL. WIRES SHALL BE TAUT WITHOUT CAUSING CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED. ONLY ONE SET OF SPLAY WIRES MAY BE INSTALLED BETWEEN 2 EXPANSION CUT OUTS.
3. HANGER WIRES SHALL BE FASTENED WITH NOT LESS THAN 3 TIGHT TURNS. SPLAY WIRES MUST HAVE 4 TIGHT TURNS. MAKE ALL TURNS WITHIN A DISTANCE OF 1-1/2 INCHES. HANGER OR BRACING WIRE ANCHORS INTO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
4. ALL CEILING WIRES SHALL BE SEPARATED FROM UNBRACED DUCTS, PIPES ETC. BY AT LEAST 6" MIN.
5. PROVIDE TPAPEZES OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINOUS AREAS.
6. CEILING GRID MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS AND MUST BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO THE CEILING GRID, ONE END OF MAIN AND CROSS RUNNERS SHALL BE FREE AND 1/2 INCH CLEAR OF WALL.
7. CROSS RUNNERS OVER 12 INCHES LONG AND ALL MAIN RUNNERS NOT CONNECTED TO WALLS SHALL BE INTERCONNECTED NEAR THE FREE END WITH THE WIRE OR A METAL STRUT STABILIZER SECURELY ATTACHED TO PREVENT SPREADING.
8. THERE SHALL BE NO POP RIVETS, SCREWS OR OTHER ATTACHMENTS UNLESS SPECIFICALLY DETAILED ON THE APPROVED DRAWINGS.
9. LAY-IN CEILING ASSEMBLIES IN EXITWAYS SHALL BE INSTALLED WITH A MAIN RUNNER OR CROSS RUNNER SURROUNDING ALL SIDES OF EACH PIECE OF TILE, BOARD OR PANEL AND EACH LIGHT FIXTURE OR GRILL. SPLICES AND INTERSECTIONS OF SUCH RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH BENT TABS OR BY OTHER SIMILAR AREAS. THE LAY-IN CEILING ASSEMBLY SHALL ALSO COMPLY WITH ALL THE OTHER REQUIREMENTS OF THE APPLICABLE CODES AND REGULATIONS.
10. WHEN DRILLED-IN-CONCRETE ANCHORS OR SHOT-INS ARE USED FOR HANGER WIRE SUPPORTS, 1 IN 10 MUST BE FIELD TESTED. IF ANY ANCHOR FAILS, ALL ANCHORS MUST BE TESTED. THE TEST LOAD SHALL BE TWICE THE DESIGN LOAD (200LB. TENSION FOR HANGER WIRES).
11. WHEN DRILLED-IN-CONCRETE ANCHORS ARE USED FOR SPLAY WIRE SUPPORTS, 1 IN 2 SHALL BE FIELD TESTED. SHOT-INS ARE NOT PERMITTED FOR SPLAY WIRES. IF ANY ANCHOR FAILS, ALL ANCHOR FAILS, ALL ANCHORS SHALL BE TESTED. THE TEST LOAD SHALL BE TWICE THE DESIGN LOAD (440 LB. TENSION FOR SPLAY WIRES).
12. LIGHT FIXTURES SHALL BE ATTACHED TO THE CEILING GRID SO AS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE
13. SURFACE MOUNTED LIGHT FIXTURES SHALL BE SUPPPORTED BY AT LEAST TWO POSITIVE CLAMPING DEVICES MADE OF #14 GA. (MIN.) STEEL WHICH SURROUND THE CEILING RUNNER AND ARE SUPPORTED FROM THE STRUCTURE ABOVE. ALL 4 FT. X 4 FT. LIGHT FIXTURES SHALL HAVE SLACK SAFETY WIRES AT EACH CORNER.
14. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 LBS. MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF TWO 12GA. SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE ALL 4FT. X 4FT. LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER.

    ALL FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING 56 POUNDS OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4 TAUT 12 GA. WIRES EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED.

    THE 4 TAUT 12 GA. WIRES INCLUDING THIER ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT.
15. COMPRESSION STRUTS SHALL NOT REPLACE HANGER WIRE.
16. IN REFERENCE TO REQUIREMENTS OF NOTES 14 & 15 ABOVE, DUTY OF CEILING GRID HEAVY DUTY. SHOW LIGHT FIXTURE AND AIR FIXTURE AND AIR TERMINAL SUPPORT DETAILS APPLICABLE TO TYPE OF GRID SPECIFIED, AND MANUFACTURERS CATALOG NUMBERS OF MAIN AND CROSS RUNNER ON SHOP DRAWING SUBMITTAL.
17. THE ENTIRE INSTALLATION SHALL COMFORM TO U.L. OR STATE FIRE MARSHALL REQUIREMENTS.

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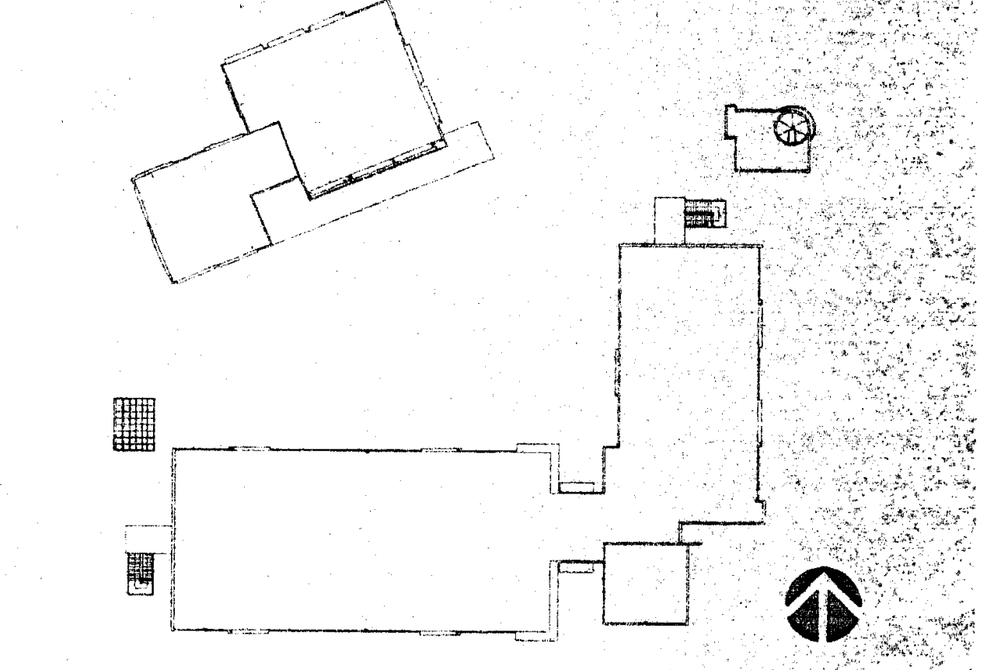
RENEWAL DATE

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

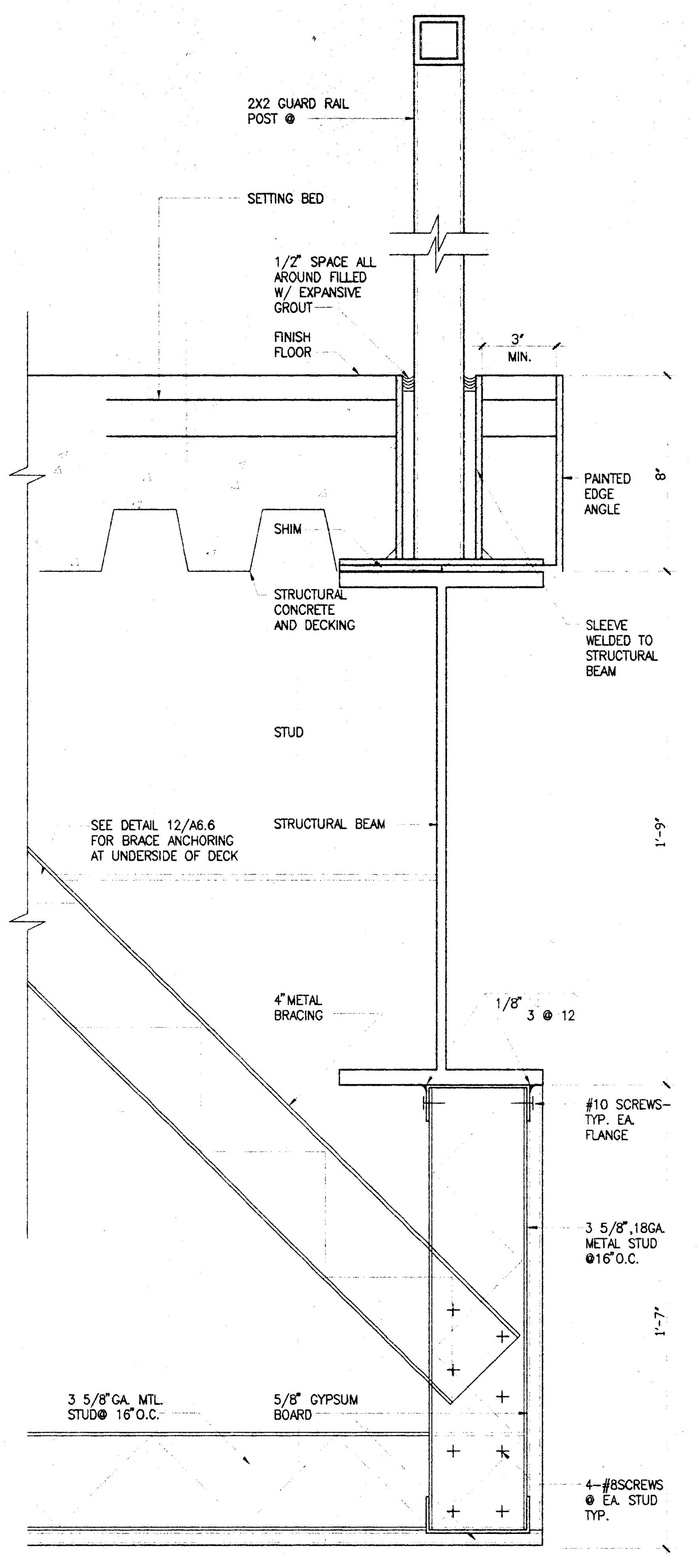
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
SUSPENDED
ACOUSTICAL TILE
CEILING DETAILS

FILE:	CMA3-04	SHEET NO.
SCALE	1/8"=1'-0"	A3.4
JOB NO.	JGM	
DATE	03.06.98	OF ____ SHEETS

–	13
–	A3.1



–	14
–	A3.1

BRIDGE OVER LOBBY	3"=1'-0"	11
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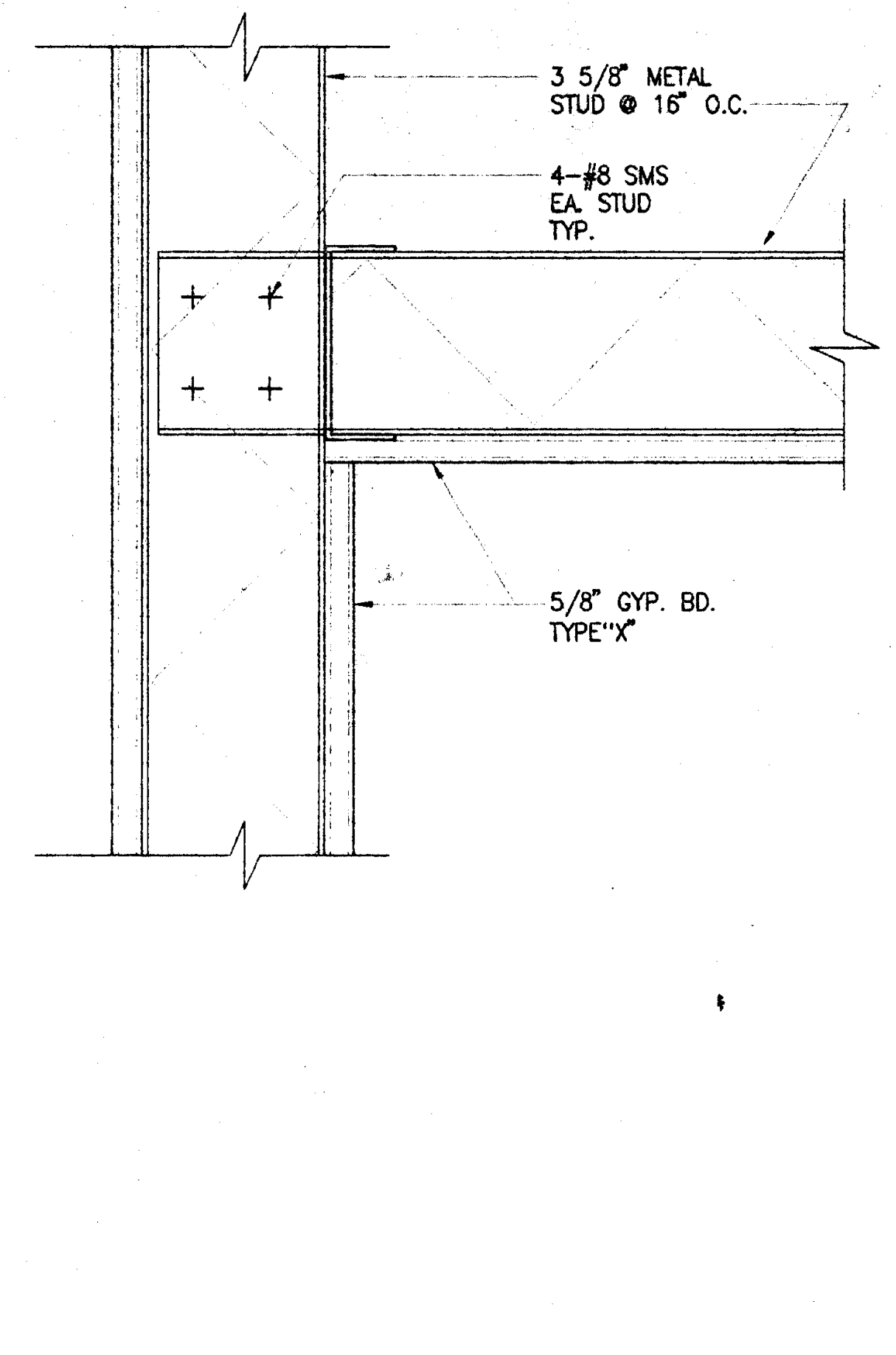

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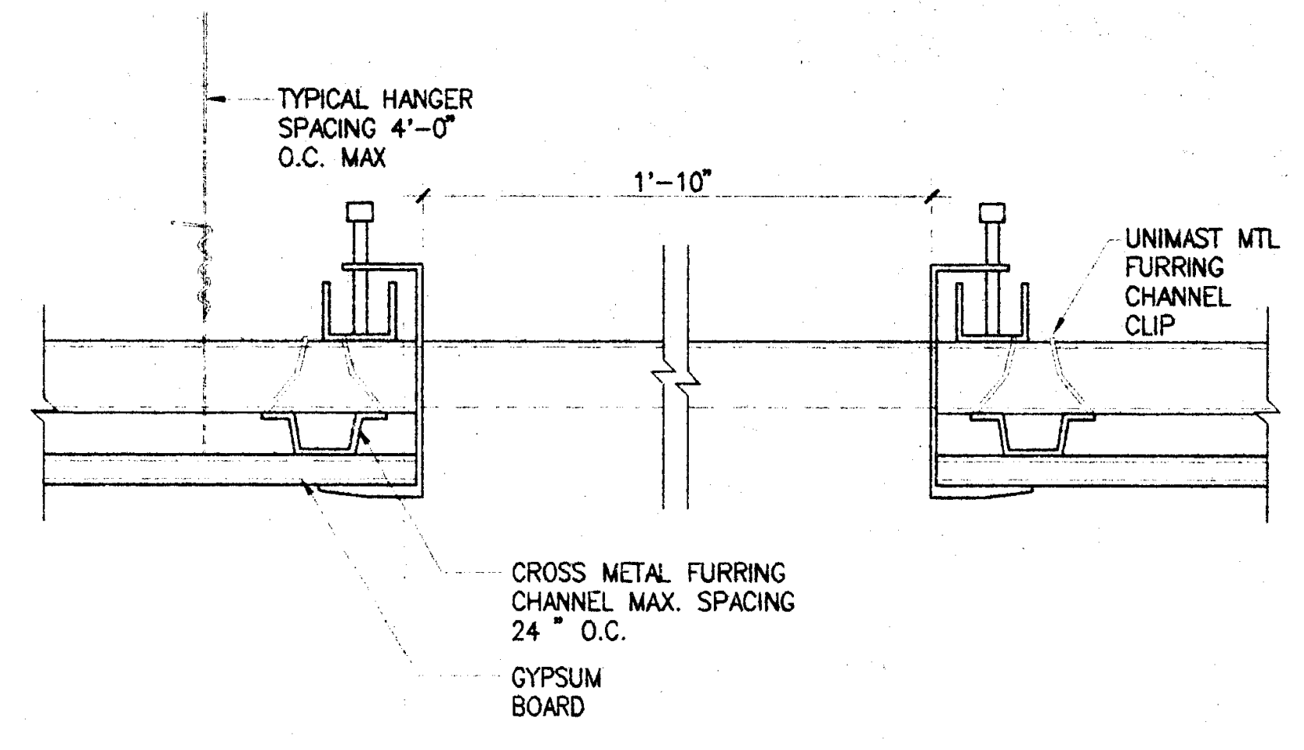

GYP. BD. ACCESS HATCH	3"=1'-0"	4
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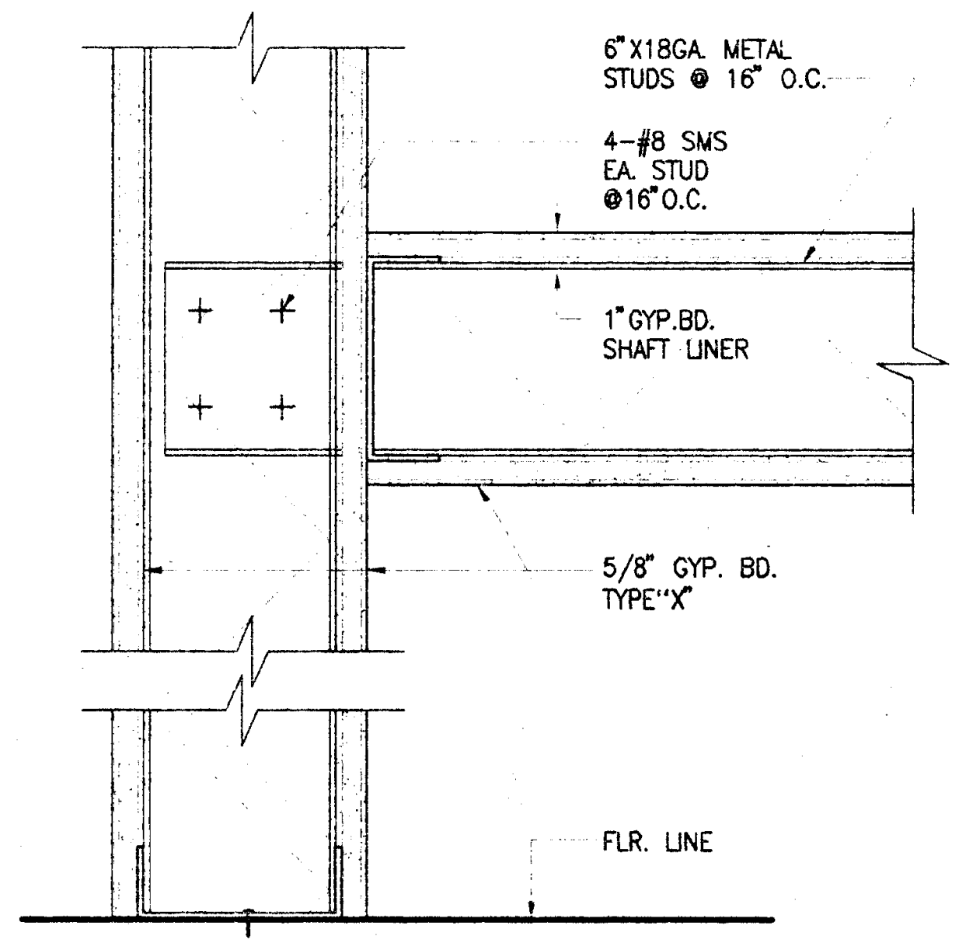

GYP. BD. CLC. @ RATED PARTITION	3"=1'-0"	8
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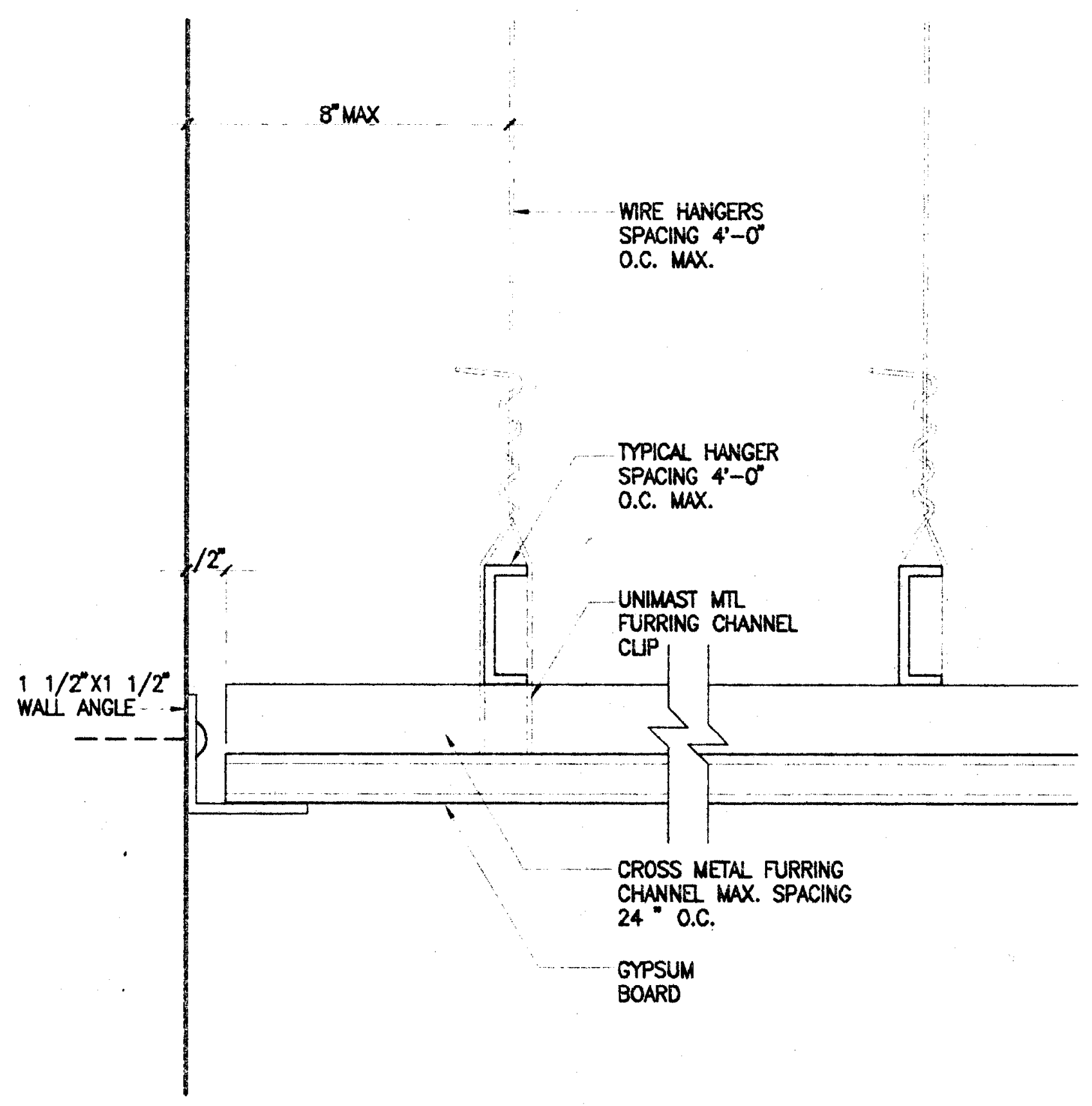
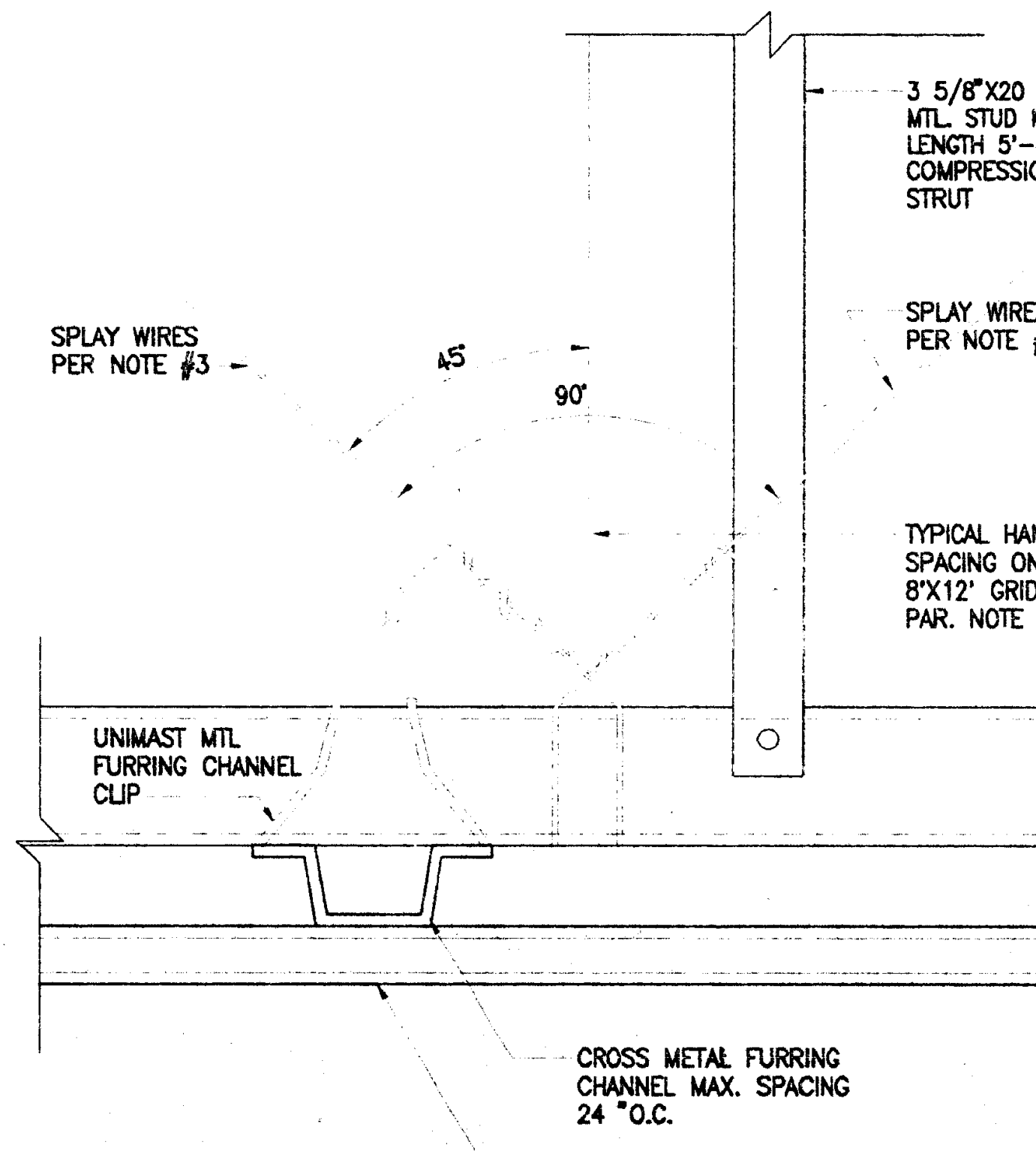


MAIN RUNNER PARELLEL TO WALL	HALF	5
	DE09065A	A3.1

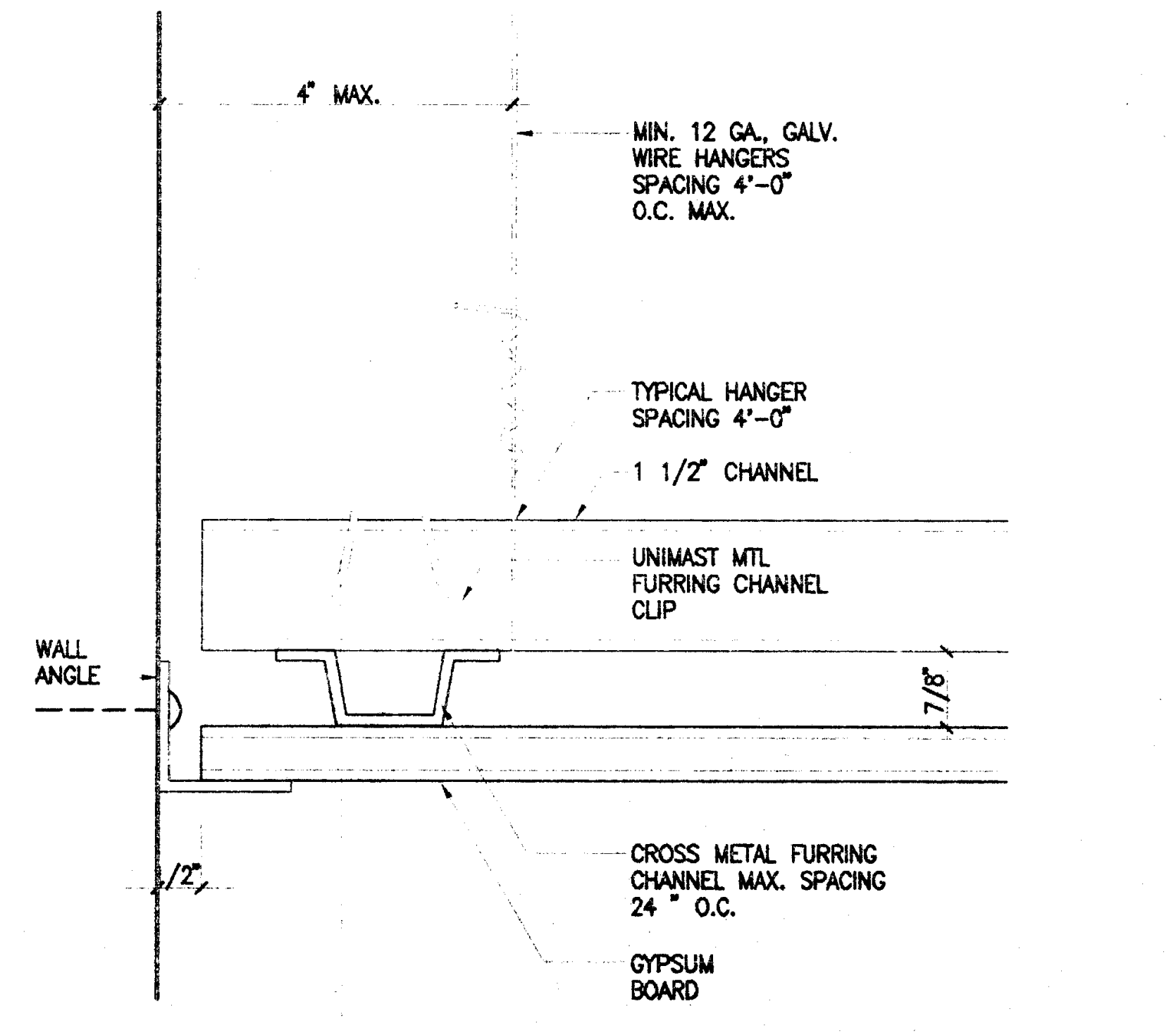
	3"=1'-0"	15

–	12
–	–

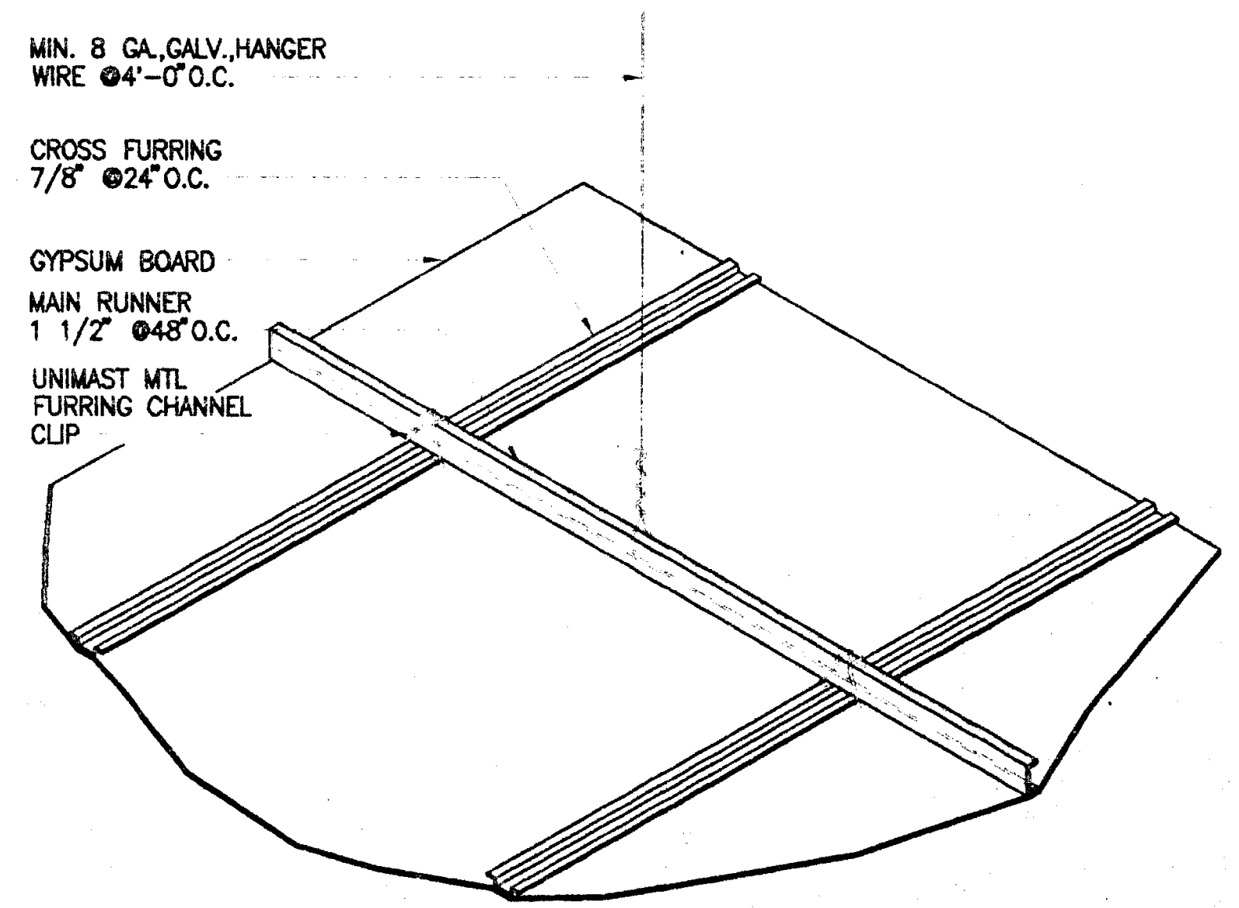


NOTE: COMPRESSION STRUT SHALL BE PLACED @ 12'-0" O.C. IN BOTH DIRECTIONS W/ THE FIRST POINT WITHIN 6" FROM EACH WALL

GYPSUM BOARD CEILING	HALF	9
	DE09065E	A3.1



MAIN RUNNER PERPEND. TO WALL	HALF	6
	DE09065B	A3.1



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3-20-98

GYPSUM BOARD GRID SYSTEM	HALF	3
	DE09057B	A3.1

PLOT DATE: 03.17.98

GYPSUM BOARD CEILING GENERAL NOTES

1. SUSPENDED GYPSUM BOARD CEILING SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF TITLE 24, CCR.
2. SUSPENDED GYPSUM BOARD CEILINGS SHALL NOT SUPPORT MATERIALS OR BUILDING COMPONENTS OTHER THAN GRILLS, LIGHT FIXTURES, SMALL ELECTRICAL CONDUITS, SMALL DUCTS AND THE LIKE. ALL SUCH COMPONENT SHALL BE SUPPORTED EITHER DIRECTLY FROM MAIN RUNNERS, OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED EITHER DIRECTLY FROM MAIN RUNNERS, OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS. NO VERTICAL LOADS OTHER THAN GYPSUM BOARD DEAD LOAD SHALL BE APPLIED TO CROSS-FURRING.
3. SEISMIC BRACE TO STRUCTURE ABOVE SIMILAR AS FOR ACOUSTICAL TILE SUSPENSION SYSTEM. USE # 12 DIAGONAL SPLAY WIRES SPACED ON A 8' X 12' GRID AND WITHIN 6'-0" OF WALLS, SEISMIC BRACE TO BE LOCATED AT INTERSECTIONS OF MAIN RUNNER AND CROSS FURRING MEMBER. PROVIDE CONNECTION BETWEEN DIAGONAL WIRES AND MAIN RUNNER SO AS TO PREVENT SLIPPING 200# APPROXIMATE SEISMIC LOAD.
4. MAXIMUM SHEAR IN GYPSUM BOARD CEILINGS OF 50#/FT. WTIH 1-1/4" TYPE S OR S-12 BUGLE HEAD SCREWS @ 12 O.C. FOR GYPSUM BOARD WALLS MAXIMUM SHEAR OF 50#/FT. FOR CEILING LOAD ON SAME SIDE AS GYPSUM BOARD IS. WALLS WITH GYPSUM BOARD ON BOTH SIDES MAY TAKE UP TO 50#/FT. SHEAR FROM CEILING ON THE SAME SIDE AS GYPSUM BOARD IS.
5. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO MAIN RUNNER WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAUGE. (DO NOT USE ROTATIONAL SPRING CATCHES.)
6. REFER TO SUSPENDED ACOUSTIC CEILING TILE DETAILS FOR TYPICAL DETAILS OF HANGER WIRES ANCHORD FROM CONCRETE DECK.
7. A COMPRESSION STRUT SHALL BE PROVIDED FOR EACH 96 S.F. (MAXIMUM) OF CEILING AREA. (8'-0" X 12'-0" O.C.)
8. HANGER WIRES SHALL BE SADDLE-TIED AROUND MAIN RUNNERS TO DEVELOP THE FULL STRENGTH OF THE HANGERS AND PREVENT TWISTING OR TURNING. TWIST HANGER WIRE AROUND ITSELF A MINIMUM OF 3 TIMES, WITHIN 1-1/2 INCHES.
9. A MAIN RUNNER SHALL BE PLACED WITHIN 8" OF PARALLELING WALLS.
10. THE END OF MAIN RUNNERS AT WALLS SHALL BE SUPPORTED BY WIRES WITHIN 8" (MAXIMUM) FROM THE WALL.
11. MAIN RUNNERS SHALL BE SPLICED BY LAPPING, THEIR ENDS 12" (MINIMUM) WITH THE FLANGES OF THE CHANNELS INTERLOCKED AND SECURELY TYING NEAR EACH END OF THE SPLICE WITH DOUBLE LOOPS OF THE WIRE.
12. CROSS-FURRINGS SHALL BE SADDLE-TIED TO THE MAIN RUNNERS WITH ONE STRAND OF THE WIRE SO AS TO PREVENT TWISTING AND TURNING.
13. CROSS-FURRINGS SHALL BE SPLICED BY LAPPING AND INTERLOCKING THE FLANGES 8" MINIMUM AND TYING NEAR EACH END WITH DOUBLE LOOPS #16 GAUGE WIRE.
14. SCREW EDGE IN GYPSUM BOARD SHALL BE 3/8" MINIMUM.
15. MAIN RUNNERS AND CROSS-FURRING SHALL NOT COME INTO CONTACT WITH ABUTTING PARTITIONS.
16. FORM AND FRAME ALL OPENING FOR RECESED LIGHT FIXTURES AND DIFFUSERS
17. TAPE & MUD ALL RIGID CONNECTION JOINTS.

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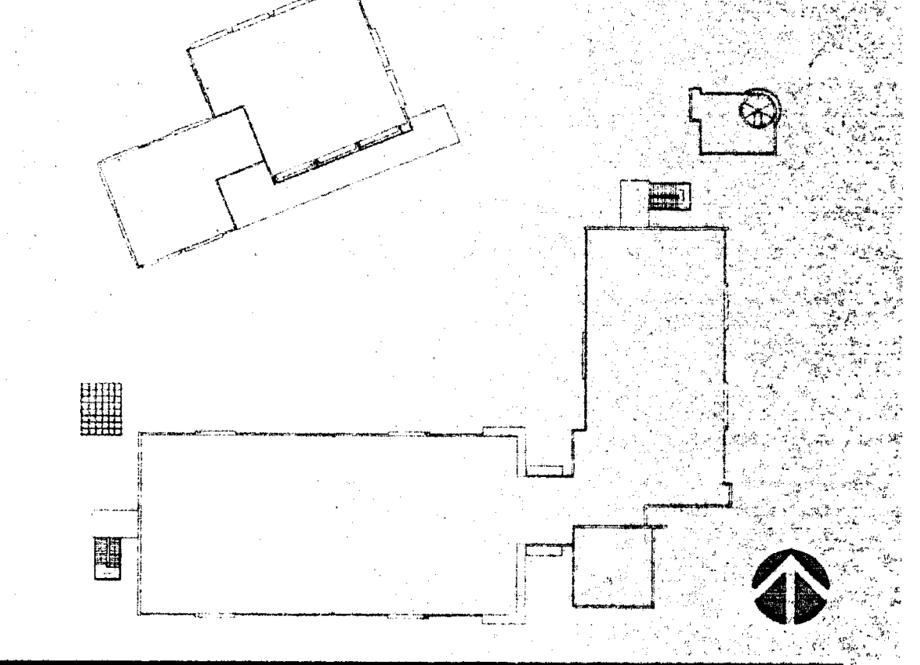

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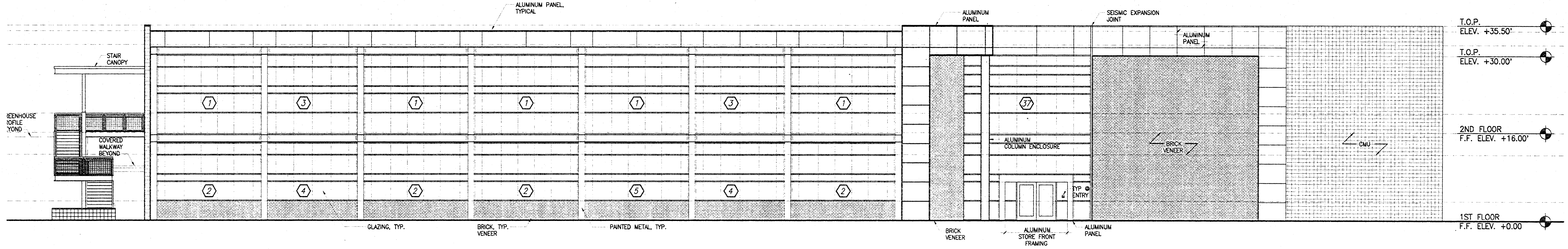
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

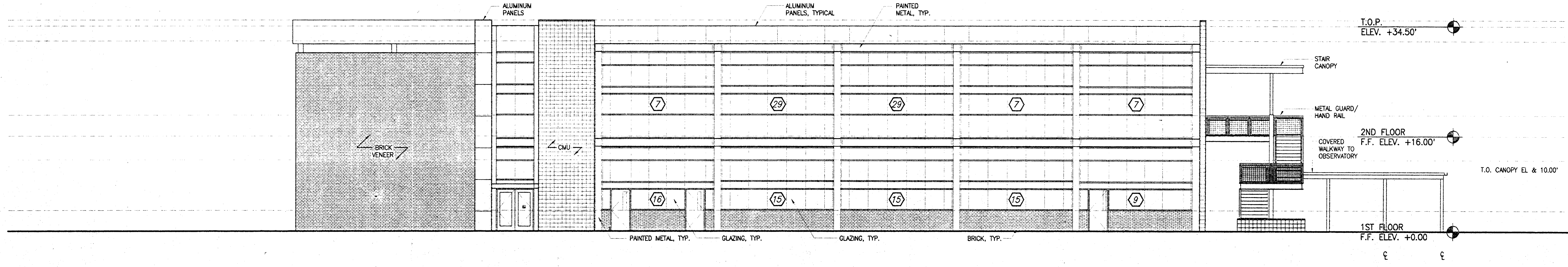
GYPSUM BOARD CEILING DETAILS

FILE:	CMA3-05	SHEET NO.
SCALE	1/8"=1'-0"	A3.5
JOB NO.	JGM	
DATE	03.06.98	OF ____ SHEETS



NORTH ELEVATION

1/8"=1'-0" 1
CMXE01 A2.1



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PL 69120
AC FLS SS
3-20-98

WEST ELEVATION

1/8"=1'-0" 2
CMXE01 A2.1

PLOT DATE: 03.06.98

Jenkins/Gales & Martinez, Inc.
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5933 West Century Boulevard - Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721

PROGRAMMING
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ARCHITECTURE

DRAWN
CHECKED JGM
APPROVED JGM

CONSULTANT

CIVIL:
WAGNER ENGINEERING & SURVEY, INC.
14930 VENTURA BLVD., STE. 240
SHERMAN OAKS, CA 91403
818-995-9880
818-995-9877 FAX

LANDSCAPE:
DSK LANDSCAPE ARCHITECTS
3333 WILSHIRE BLVD. SUITE 103
LOS ANGELES, CA. 90010
213-382-3113
213-382-2669 FAX

STRUCTURAL:
JOHN A. MARTIN & ASSOCIATES, INC.
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MECHANICAL & PLUMBING:
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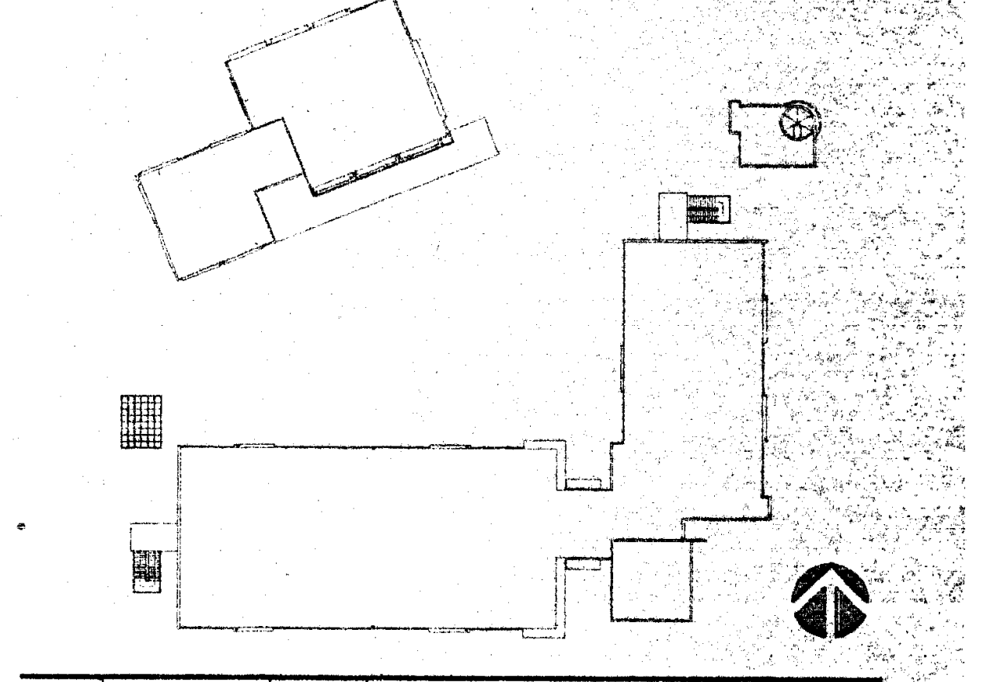
SEAL

MORRIS B. POINDEXTER
C-13900
3-31-99

GENERAL NOTES:

REF SHT. A4.4, A4.5, & A4.5B FOR ENLARGED WINDOW PANEL ELEVATIONS

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

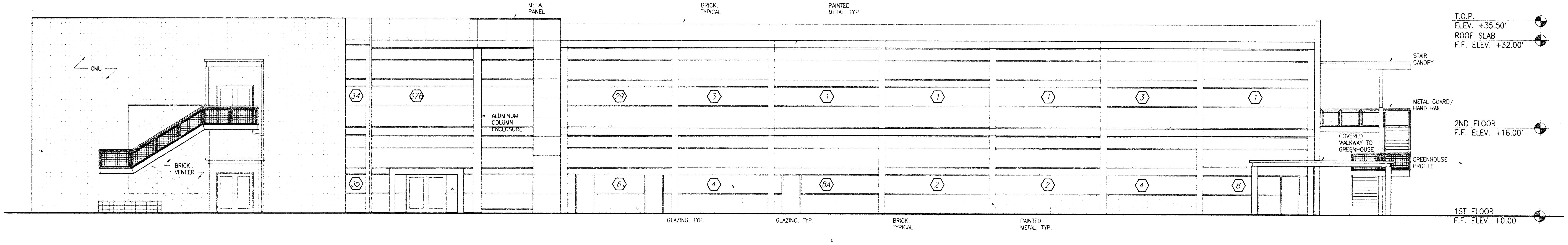
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MATH/SCIENCE BUILDING EXTERIOR ELEVATIONS

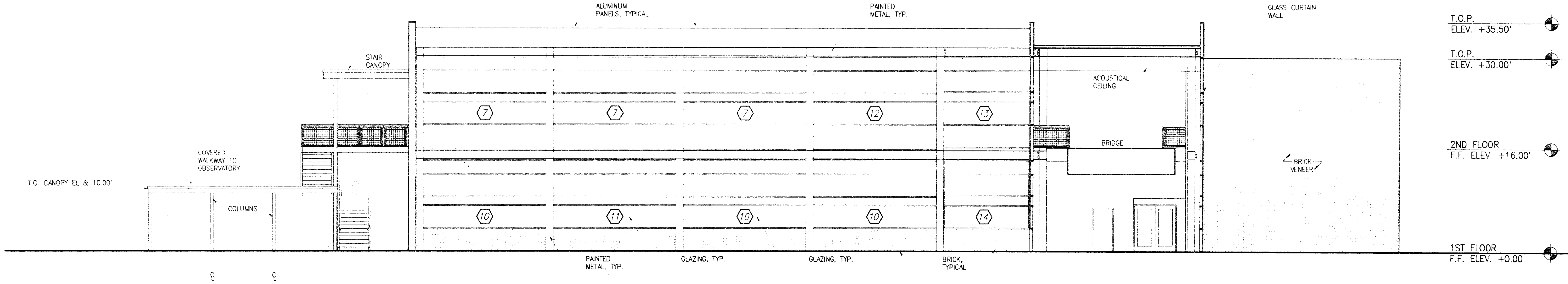
FILE: CMA4-01
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 03.06.98

SHEET NO.
A4.1
OF ____ SHEETS



SOUTH ELEVATION

1/8"=1'-0" 1
CMXE01 A2.1



EAST ELEVATION

1/8"=1'-0" 2
CMXE01 A2.1

PLOT DATE: 02.20.98

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DIV. OF THE STATE ARCHITECT
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FLS
3.20.98

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ARCHITECTURE

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APPROVED JGM

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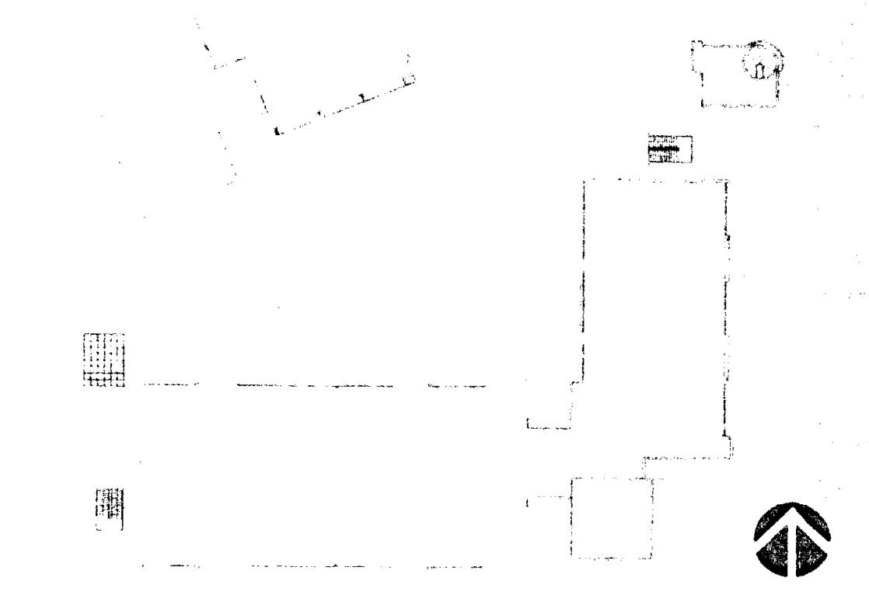
SEAL

3-31-99

GENERAL NOTES:
REF SHT. A4.4, A4.5, & A4.5B FOR ENLARGED WINDOW PANEL ELEVATIONS

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

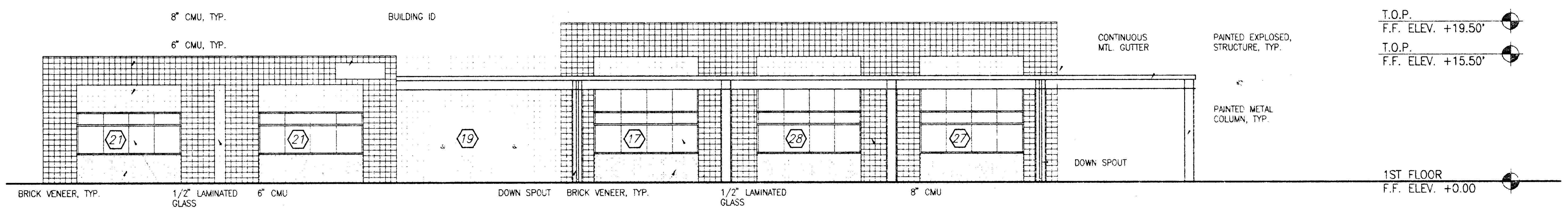
HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

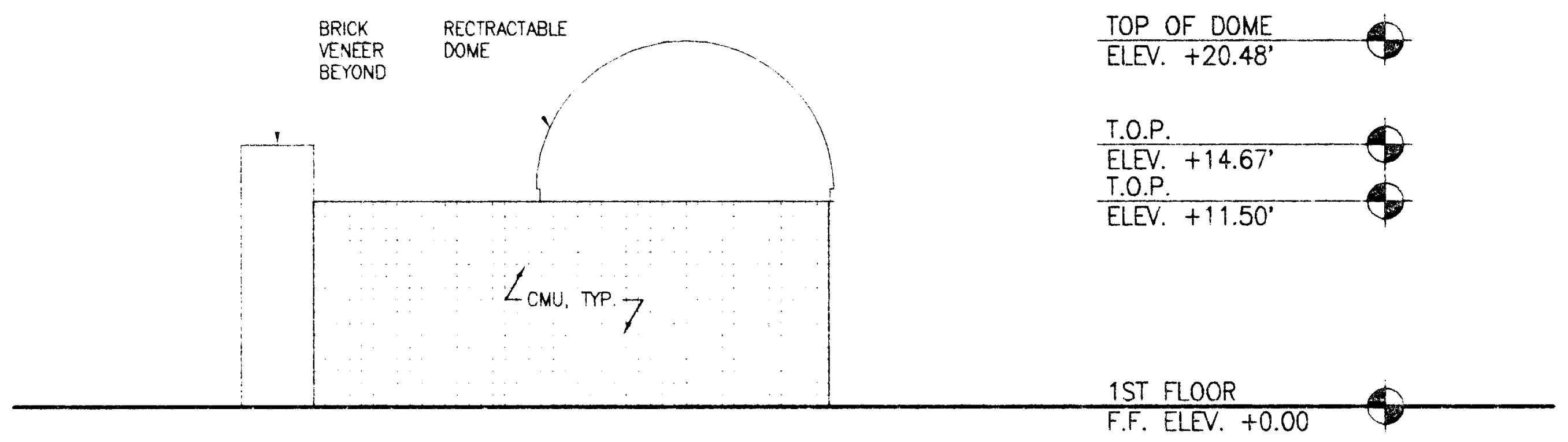
MATH/SCIENCE BUILDING EXTERIOR ELEVATIONS

FILE:	CMA4-02	SHEET NO.
SCALE	1/8"=1'-0"	A4.2
JOB NO.	JGM	
DATE	02.20.98	OF______SHEETS



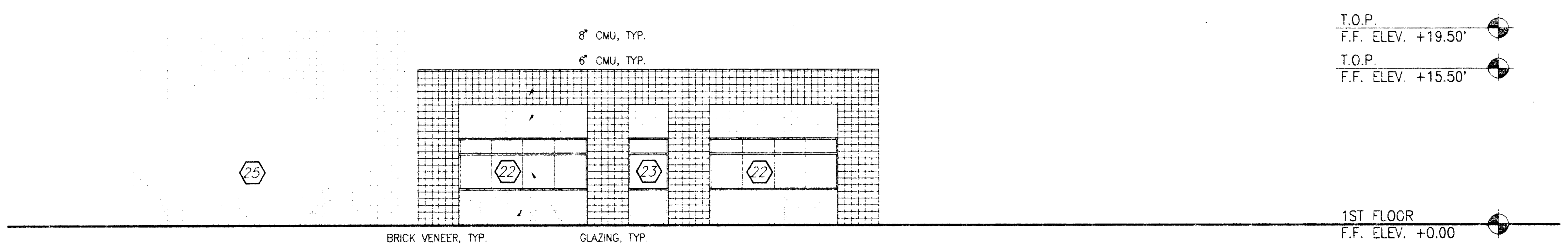
MIS/PRINT SHOP - SOUTH ELEVATION

1/8"=1'-0" 5
CMXE02 A2.4



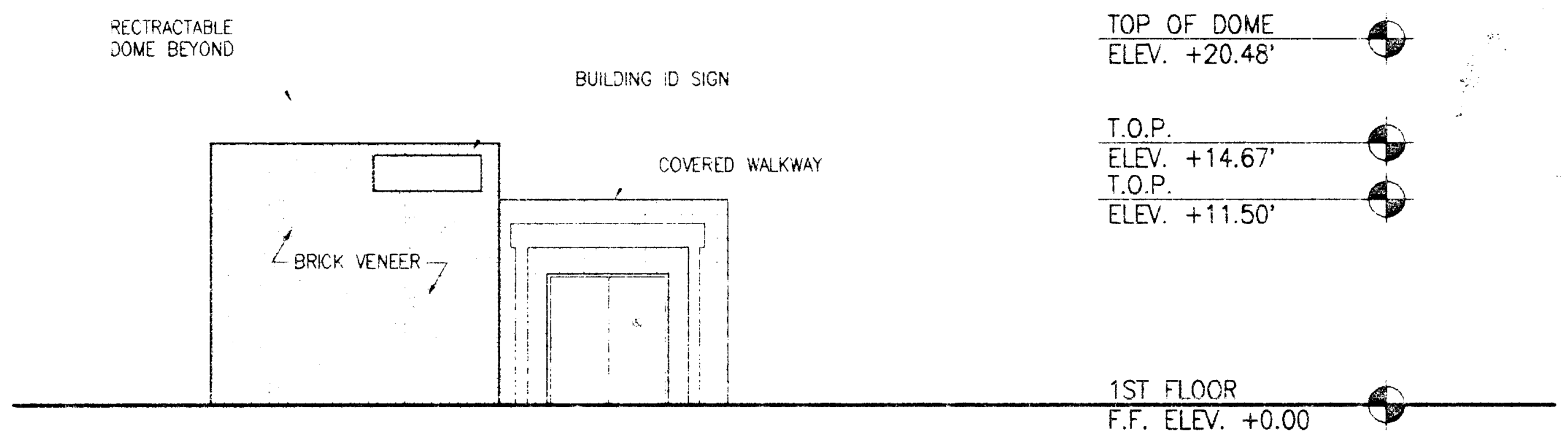
OBSERVATORY - SOUTH ELEVATION

1/8"=1'-0" 1
CMXE03 A2.8



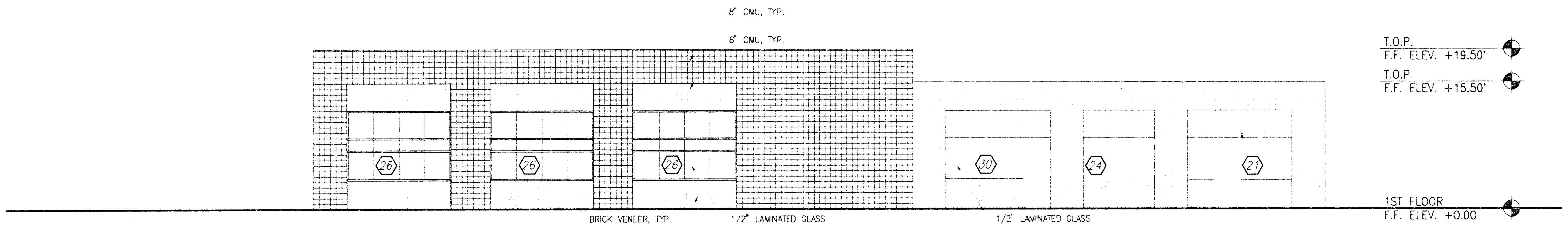
MIS/PRINT SHOP - WEST ELEVATION

1/8"=1'-0" 6
CMXE02 A2.4



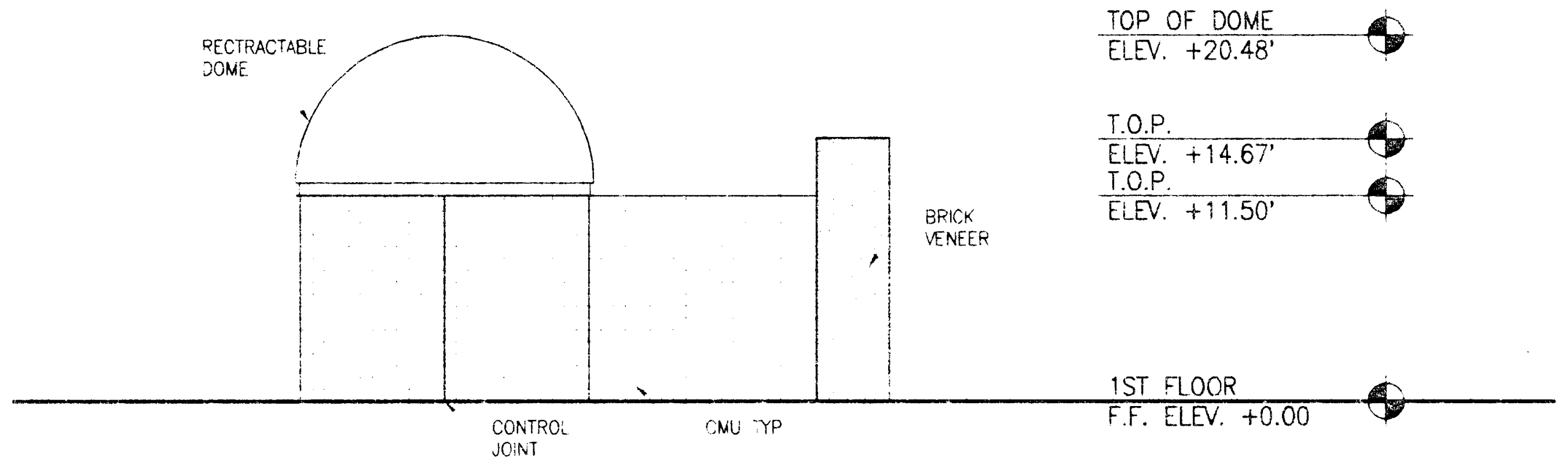
OBSERVATORY - WEST ELEVATION

1/8"=1'-0" 2
CMXE03 A2.8



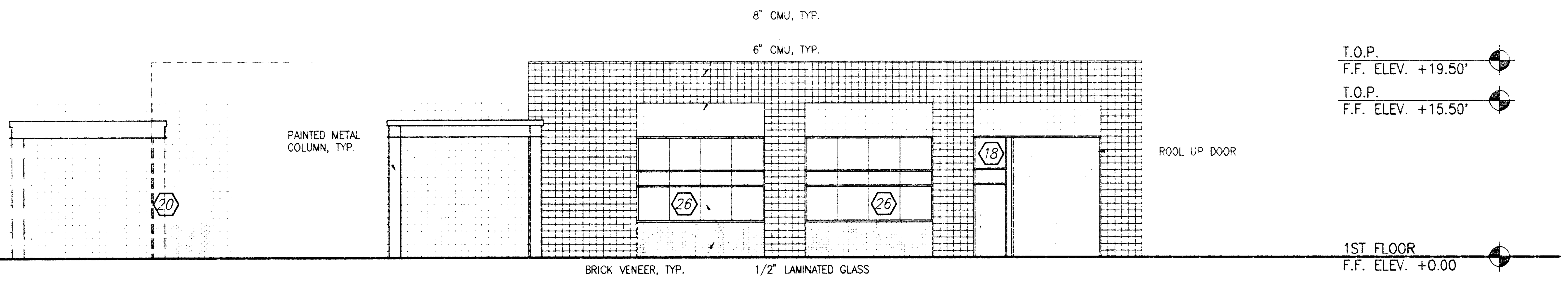
MIS/PRINT SHOP - NORTH ELEVATION

1/8"=1'-0" 7
CMXE02 A2.4



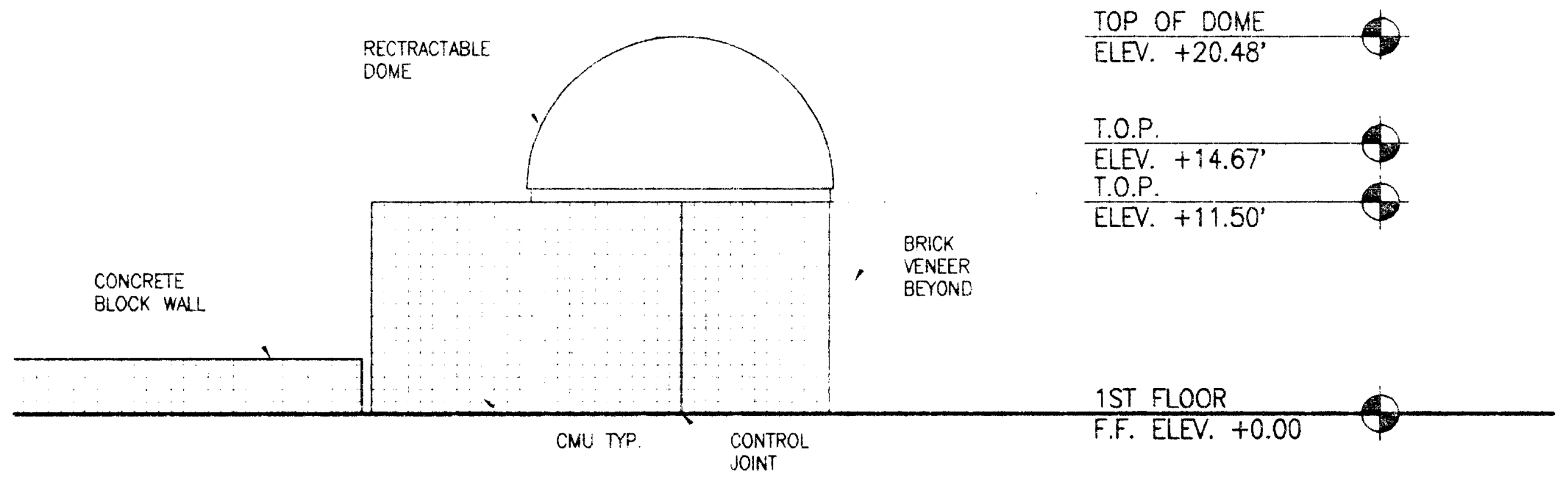
OBSERVATORY - NORTH ELEVATION

1/8"=1'-0" 3
CMXE03 A2.8



MIS/PRINT SHOP - EAST ELEVATION

1/8"=1'-0" 8
CMXE02 A2.4



OBSERVATORY - EAST ELEVATION

1/8"=1'-0" 4
CMXE03 A2.8

PLOT DATE: 03.06.98

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ARCHITECTURE

DRAWN	
CHECKED	JK\WR
APPROVED	MGR

CONSULTANT

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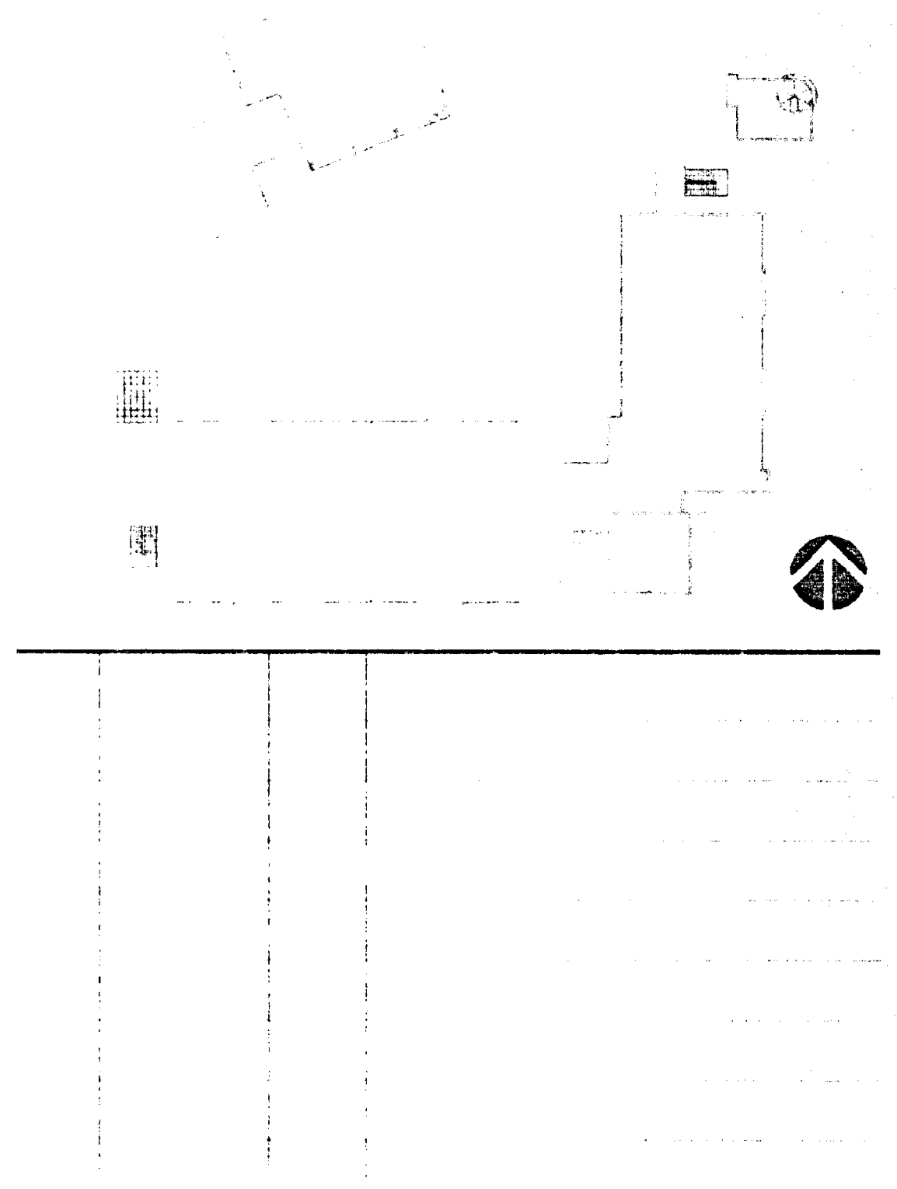
SEAL

3-31-99

GENERAL NOTES:
REF SHT. A4.4, A4.5, & A4.5B FOR ENLARGED WINDOW PANEL ELEVATIONS

KEY PLAN



NO.	DATE	BY	REVISION

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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FLS SS
3-26-98

PROJECT

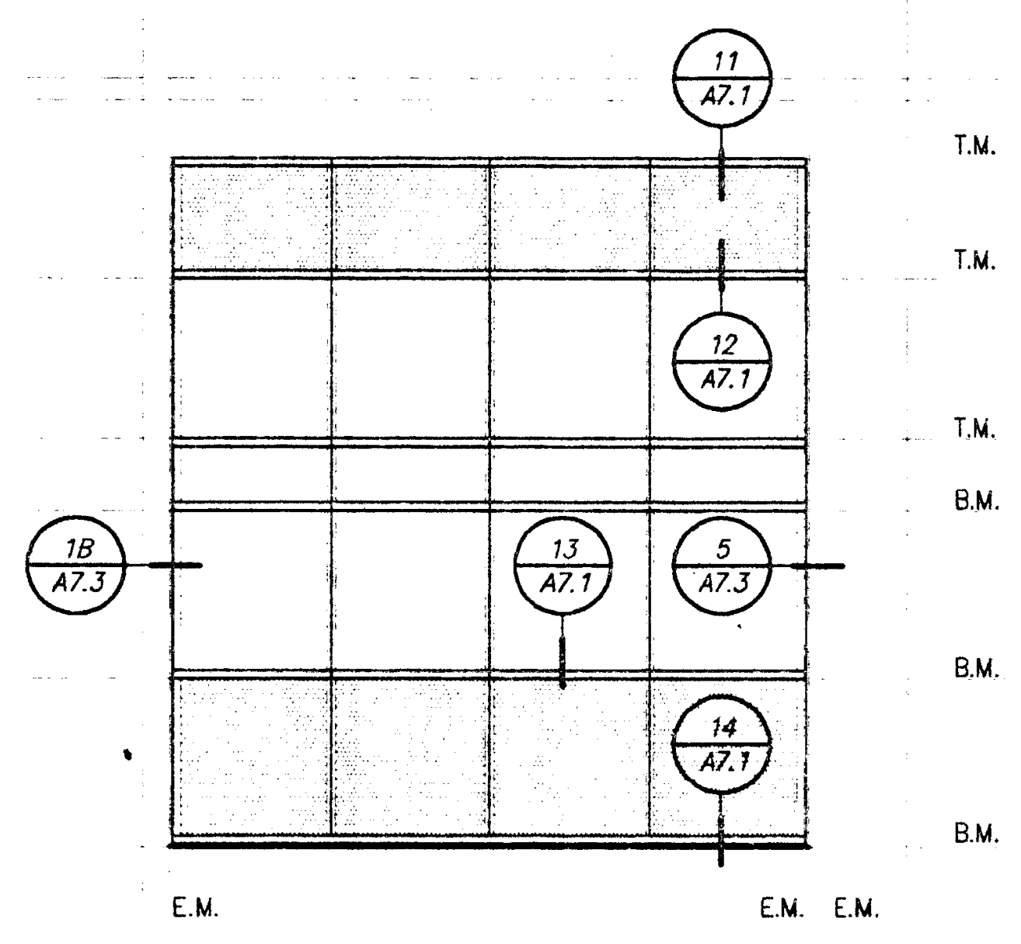
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

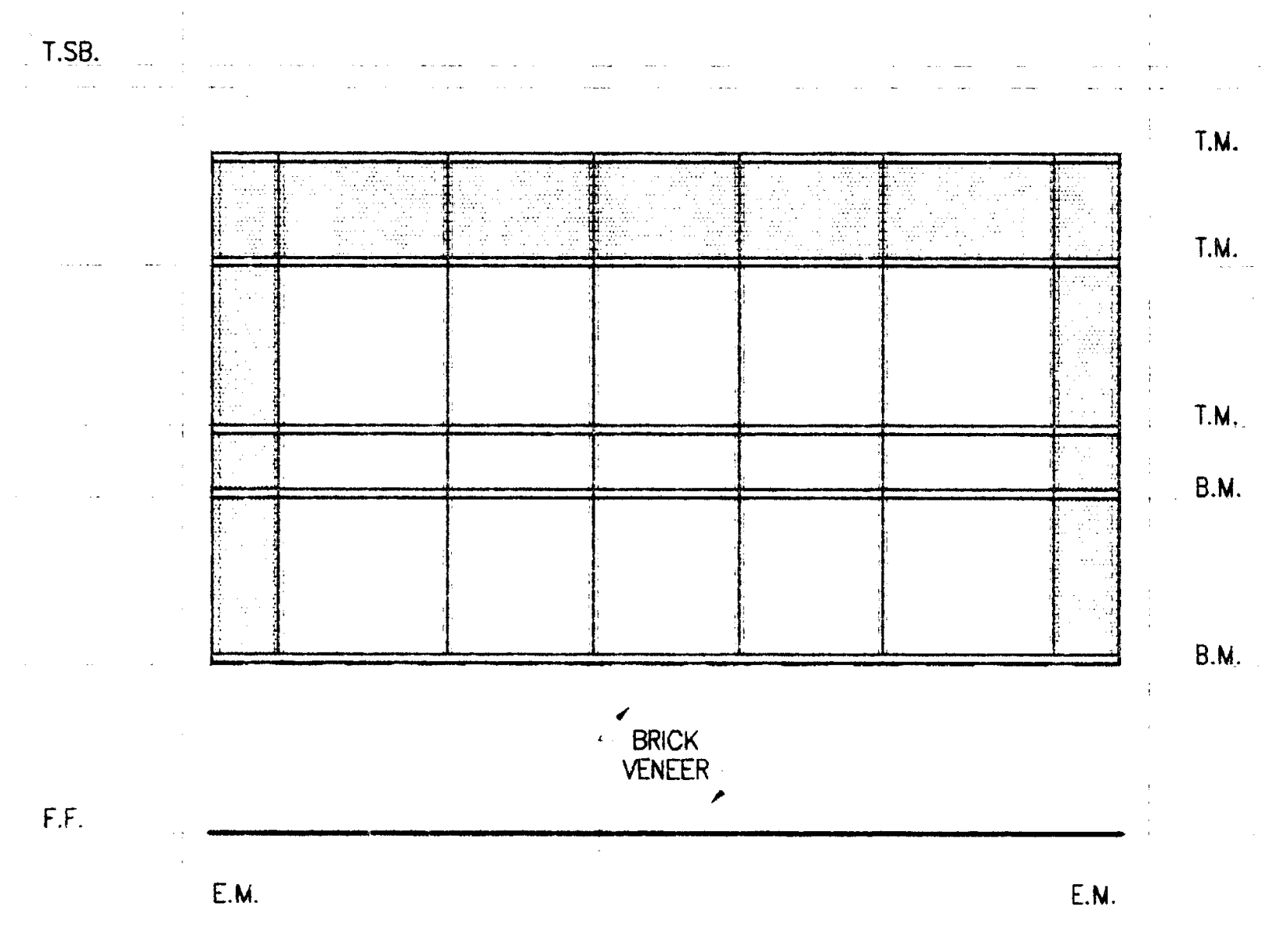
MIS/PRINT SHOP +
OBSERVATORY BUILDING
EXTERIOR ELEVATIONS

FILE:	CMA4-03	SHEET NO.
SCALE	1/8"=1'-0"	A4.3
JOB NO.	JGM	
DATE	03.06.98	OF______SHEETS

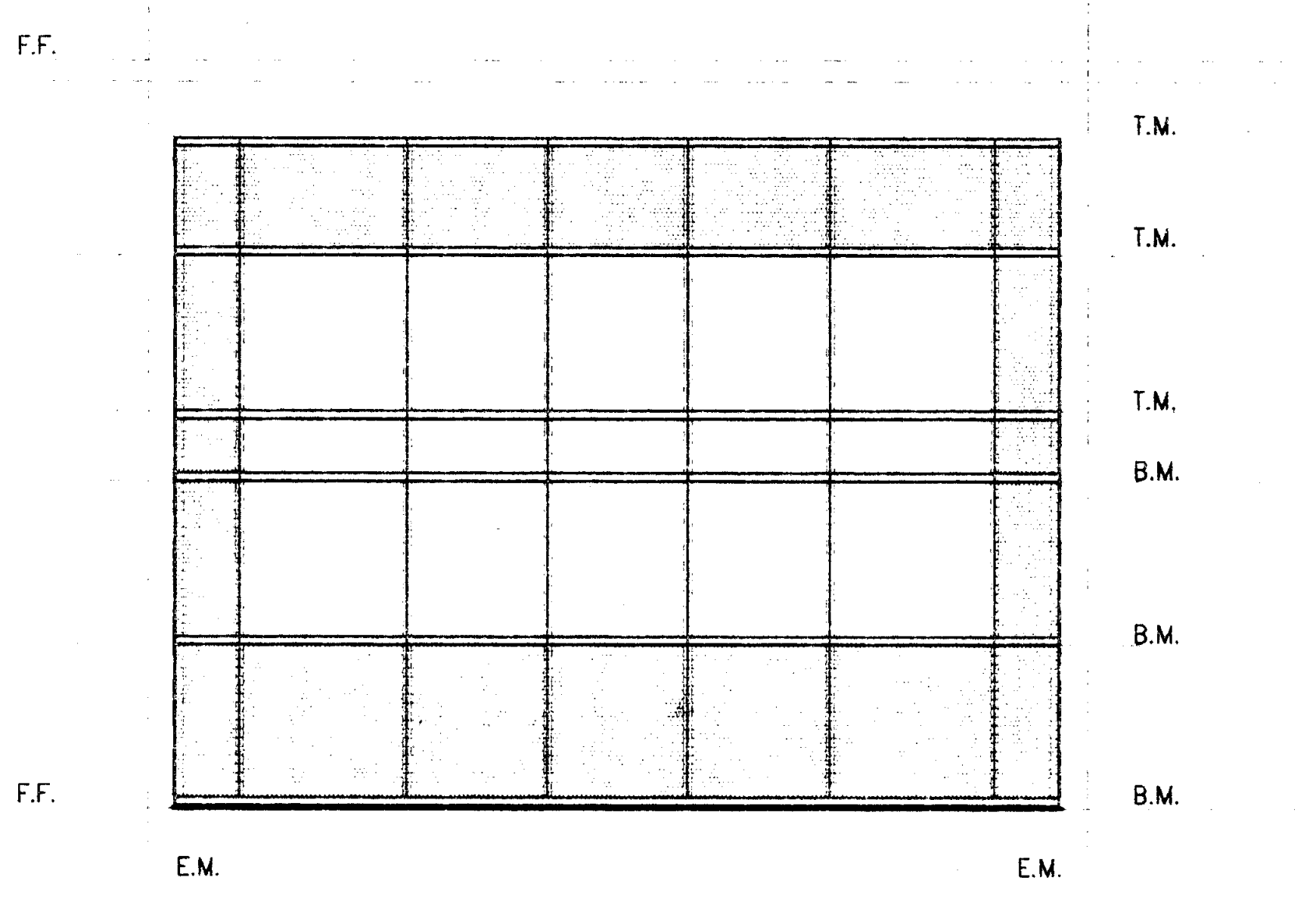


DETAIL CALLOUTS APPLY TO EVERY SINGLE
PANEL UNLESS OTHERWISE NOTED.

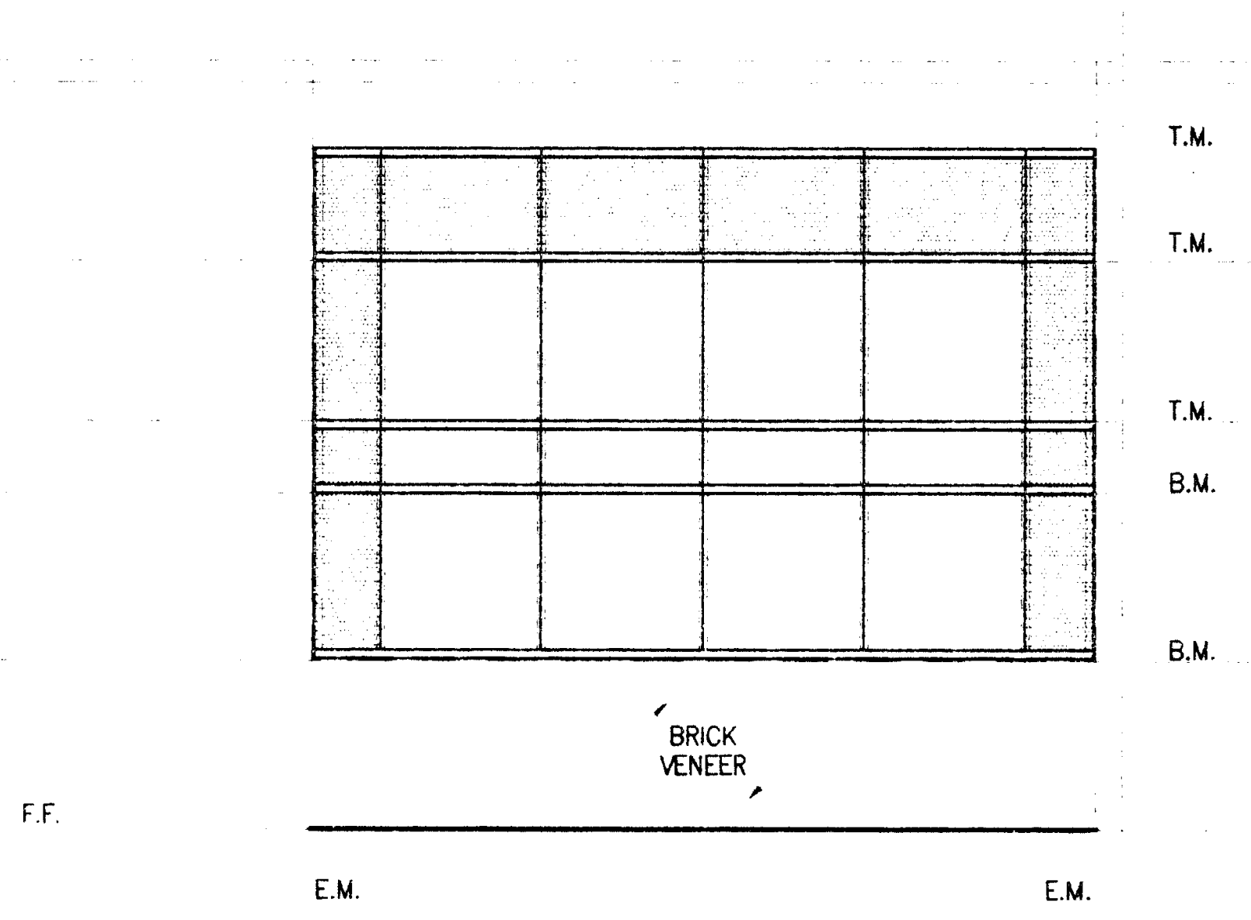
TYPICAL WINDOW PANEL 13 1/4"=1'-0" 13
\- A4.2



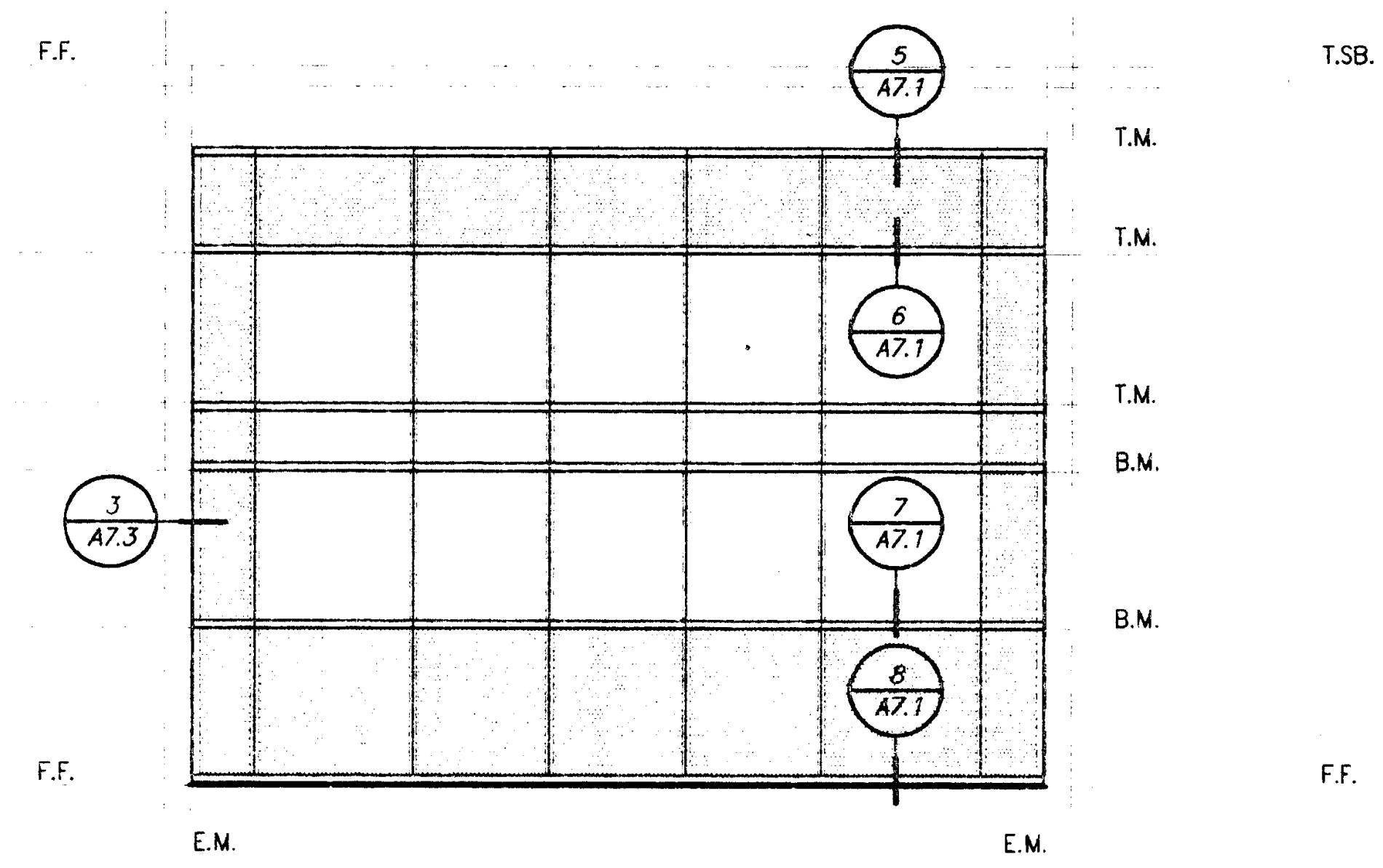
TYPICAL WINDOW PANEL 10 1/4"=1'-0" 10
\- A4.2



TYPICAL WINDOW PANEL 7 1/4"=1'-0" 7
\- A4.1

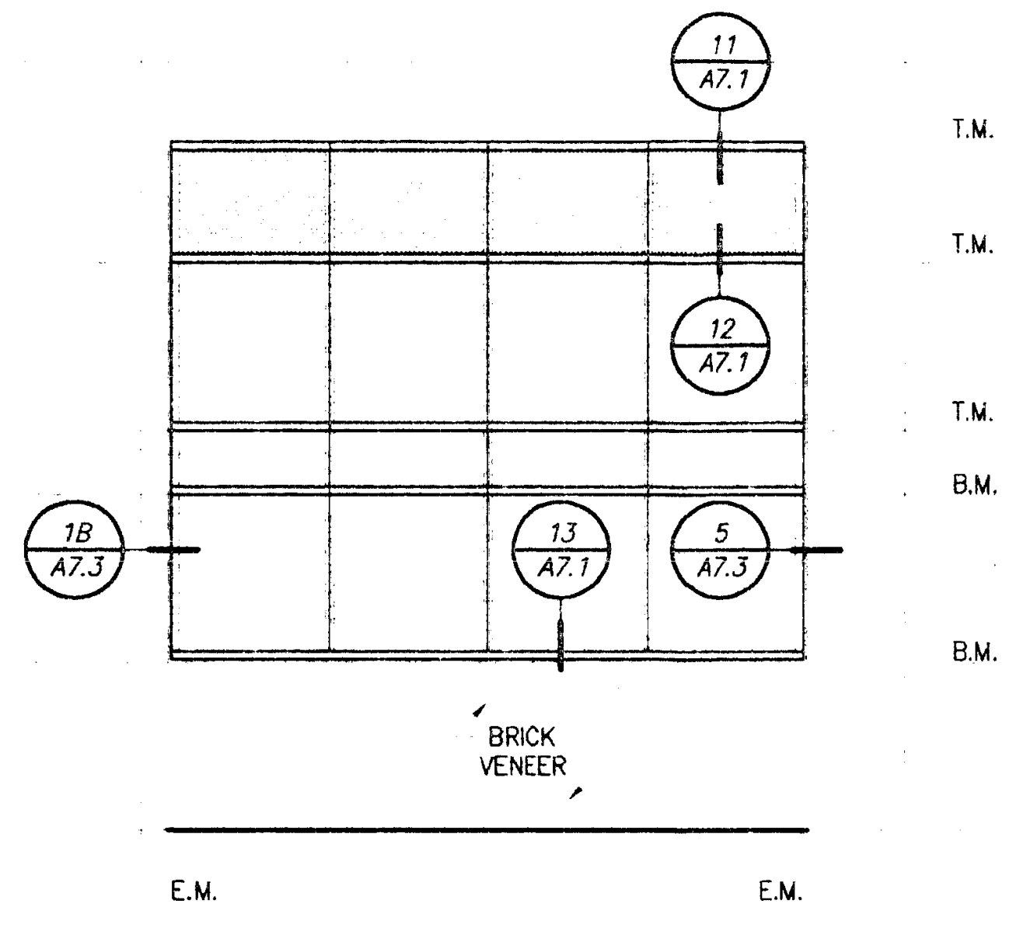


TYPICAL WINDOW PANEL 4 1/4"=1'-0" 4
\- A4.1

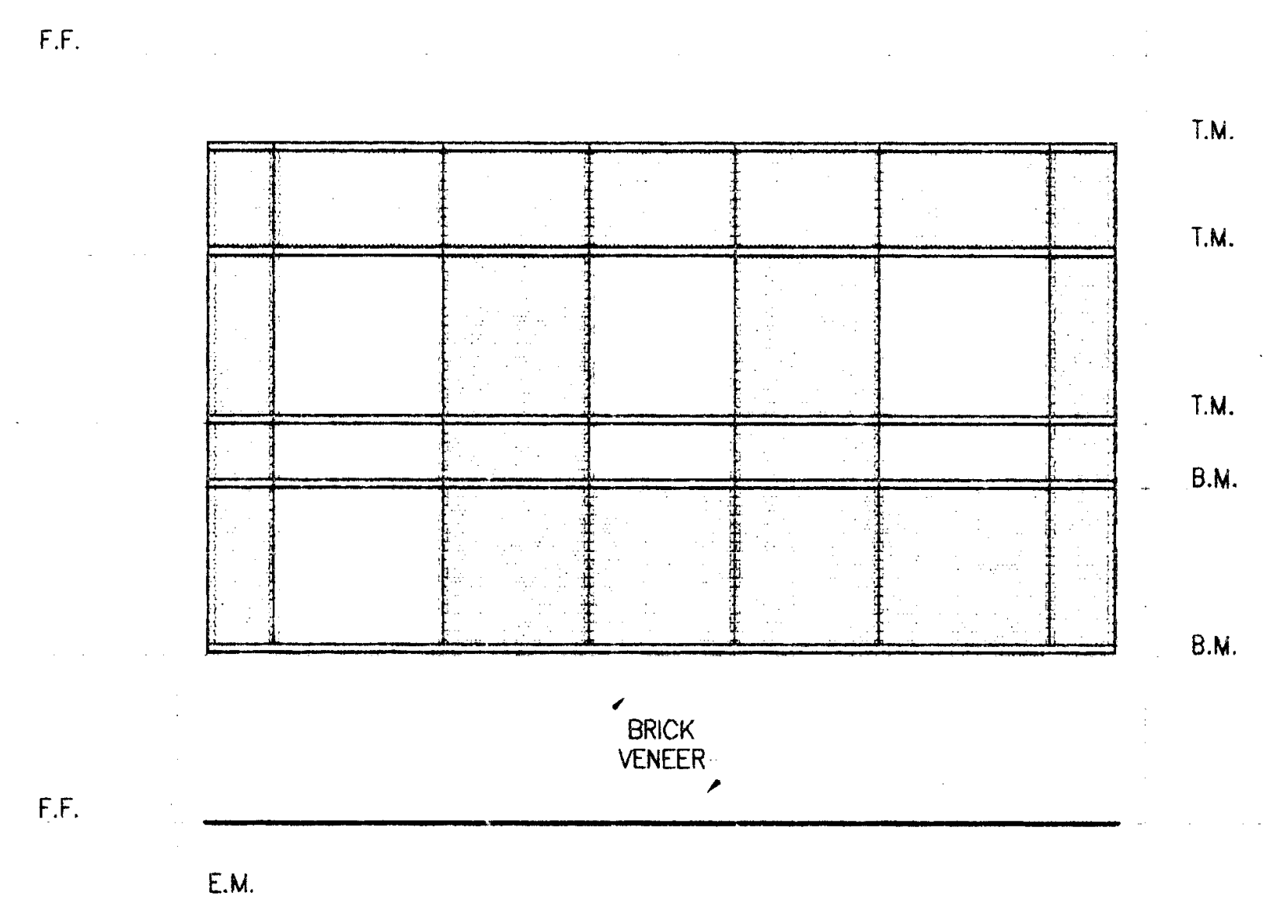


DETAIL CALLOUTS APPLY TO EVERY SINGLE
PANEL UNLESS OTHERWISE NOTED.

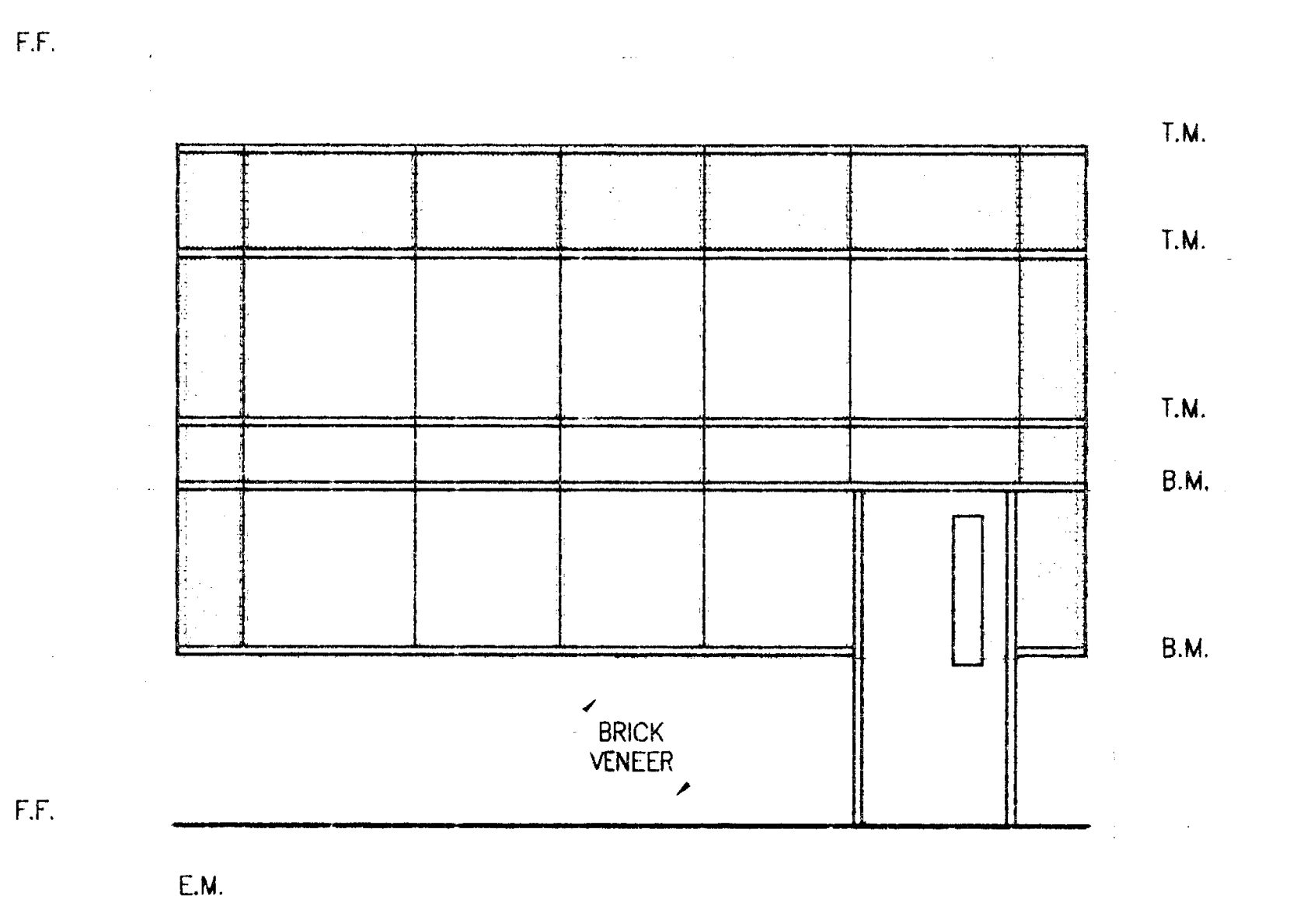
TYPICAL WINDOW PANEL 1 1/4"=1'-0" 1
\- A4.1



TYPICAL WINDOW PANEL 14 1/4"=1'-0" 14
\- A4.2

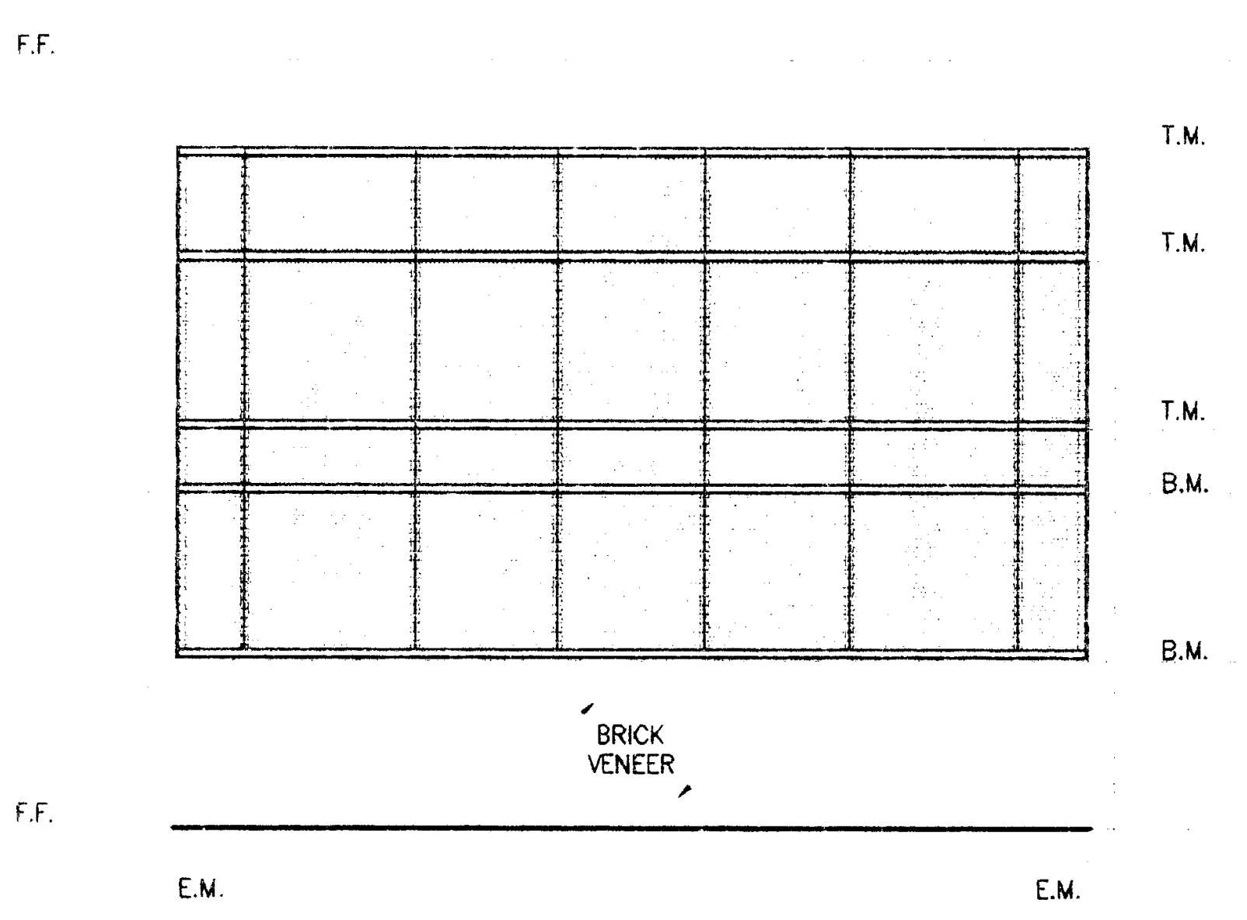


TYPICAL WINDOW PANEL 11 1/4"=1'-0" 11
\- A4.2

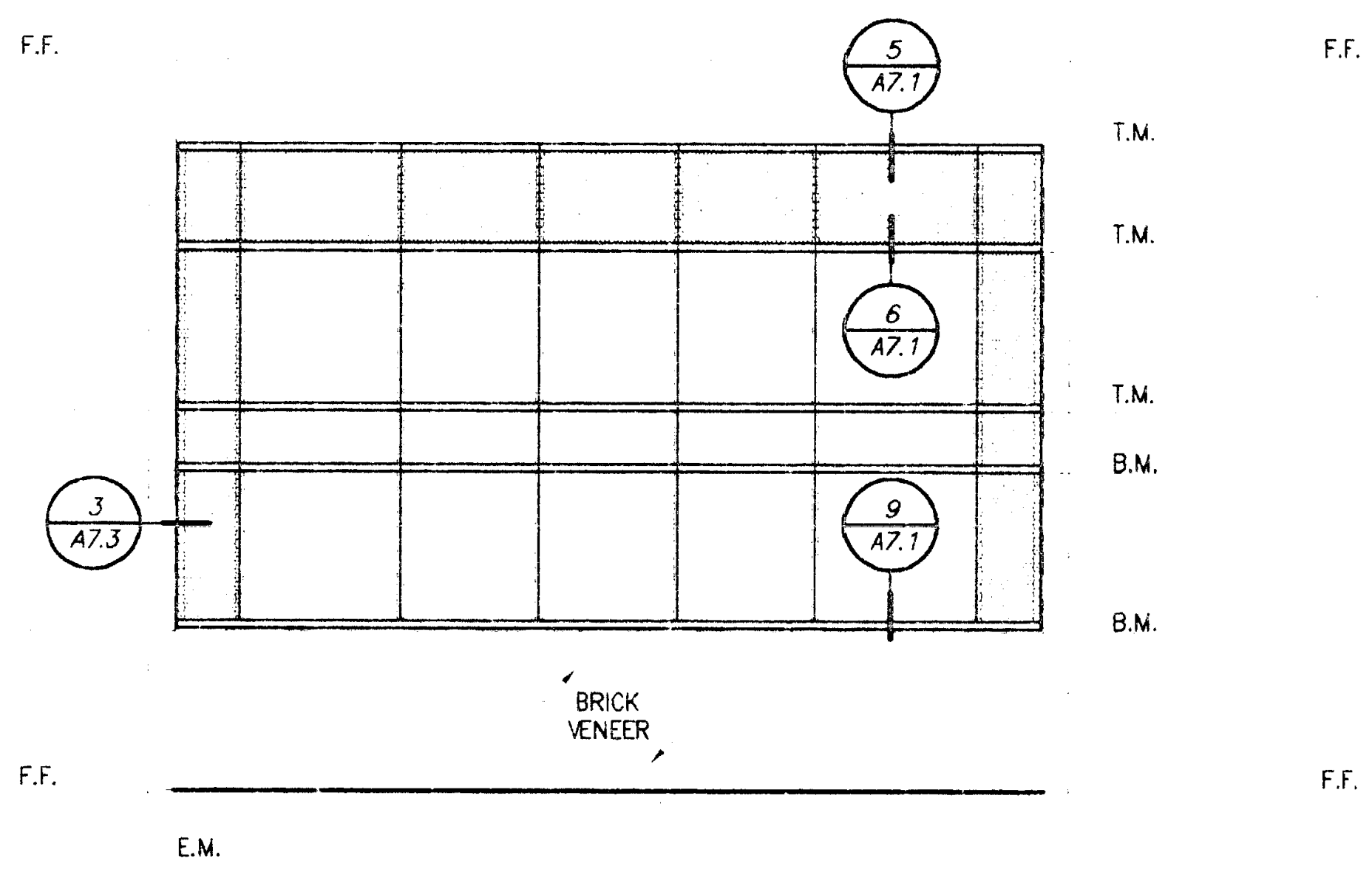


NOTE:
TYPICAL WINDOW PANEL 8A
IS OPPOSITE HAND

TYPICAL WINDOW PANEL 8 1/4"=1'-0" 8
\- A4.2

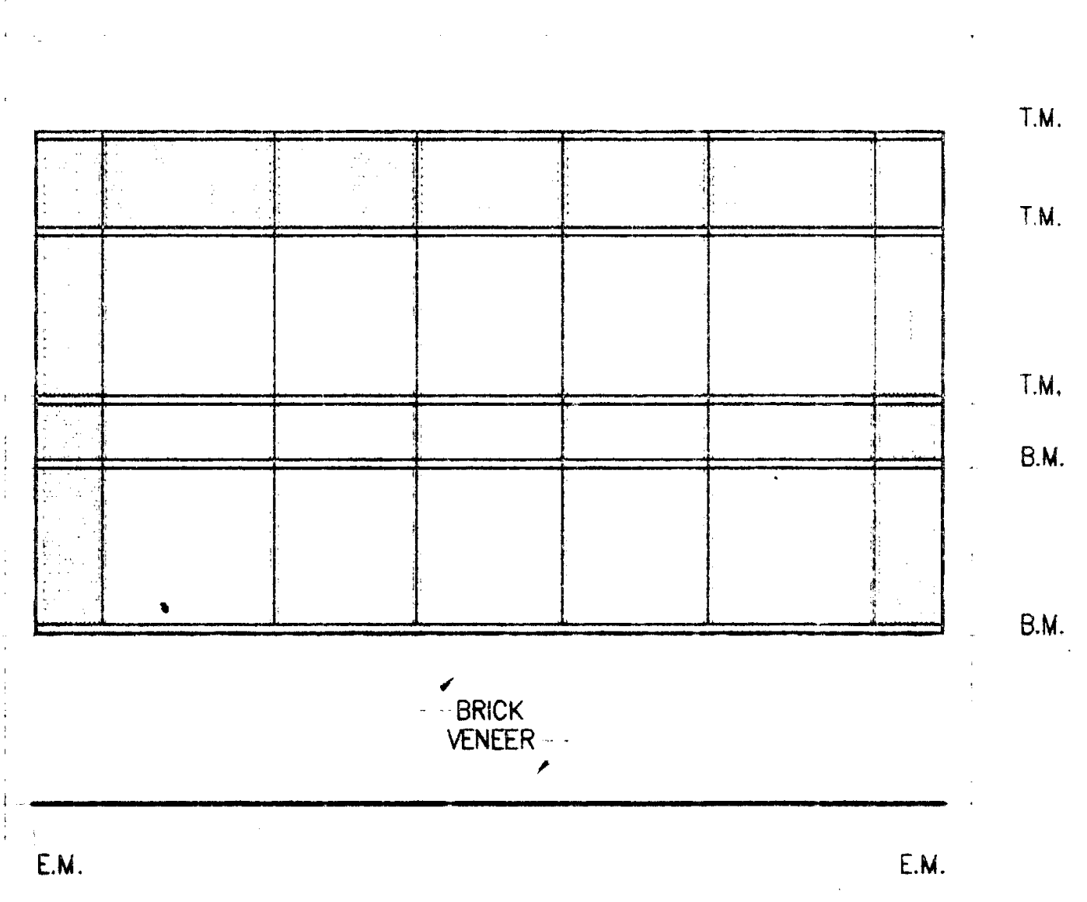


TYPICAL WINDOW PANEL 5 1/4"=1'-0" 5
\- A4.1

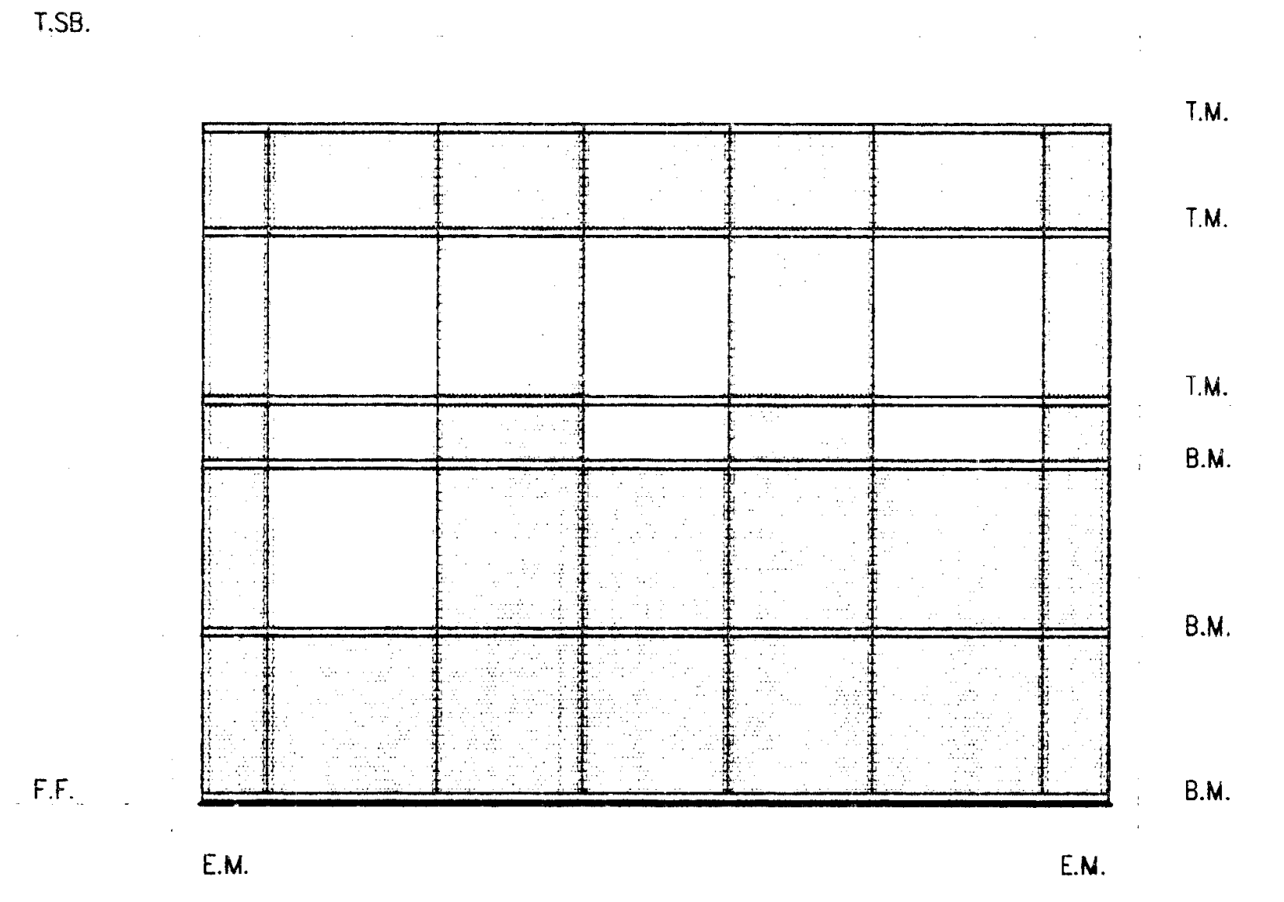


DETAIL CALLOUTS APPLY TO EVERY SINGLE
PANEL UNLESS OTHERWISE NOTED.

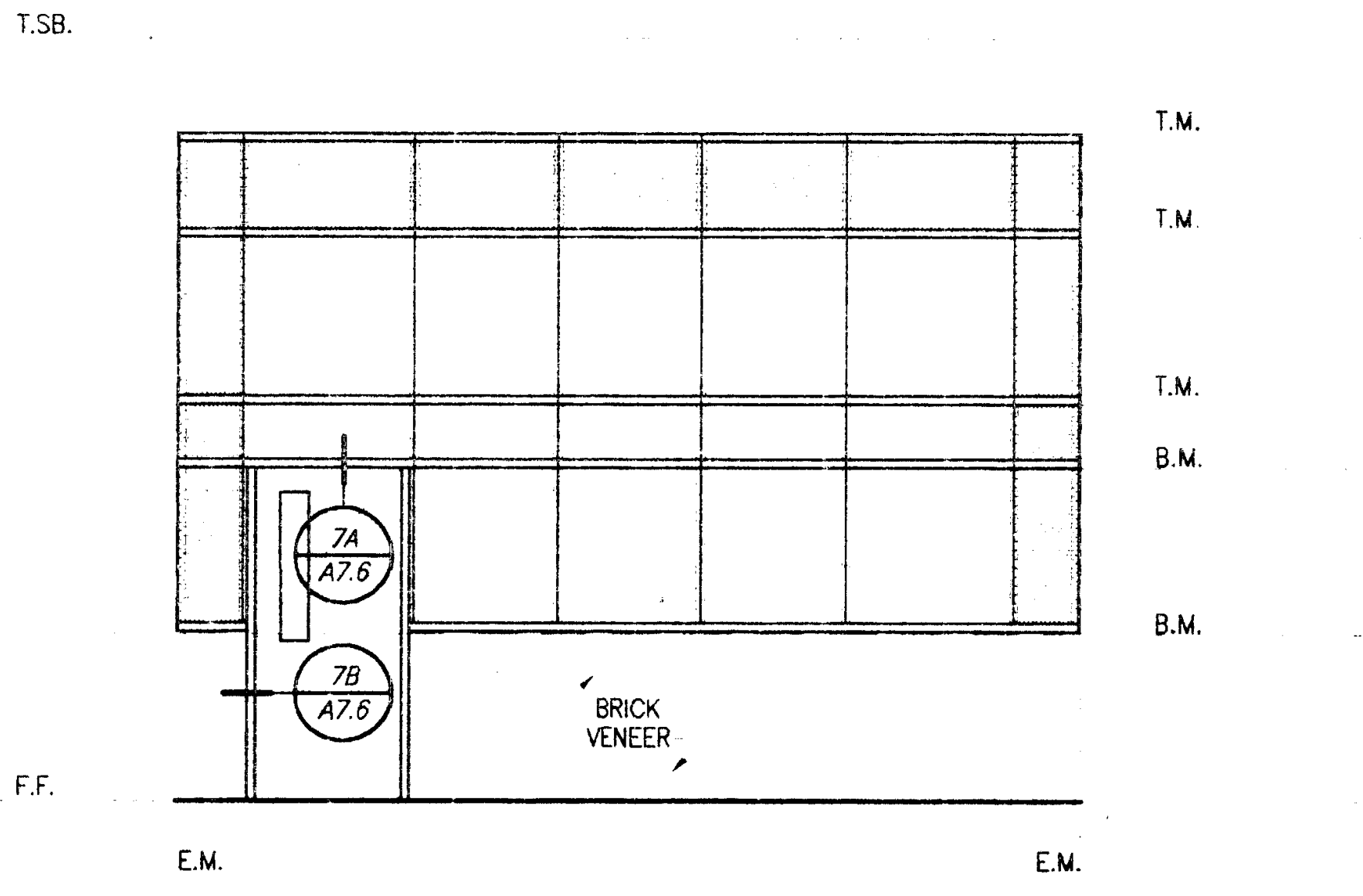
TYPICAL WINDOW PANEL 2 1/4"=1'-0" 2
\- A4.1



TYPICAL WINDOW PANEL 15 1/4"=1'-0" 15
\- A4.1



TYPICAL WINDOW PANEL 12 1/4"=1'-0" 12
\- A4.2



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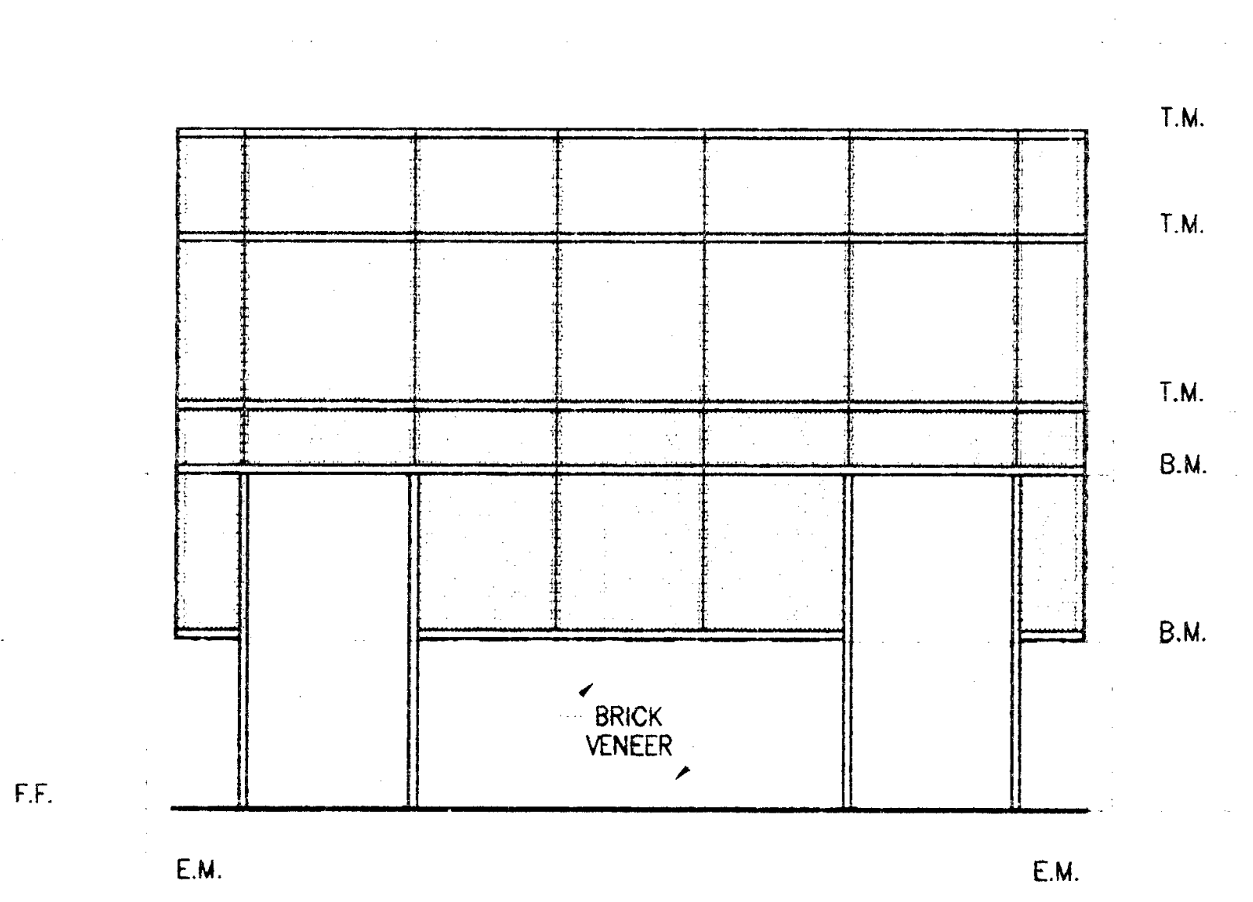
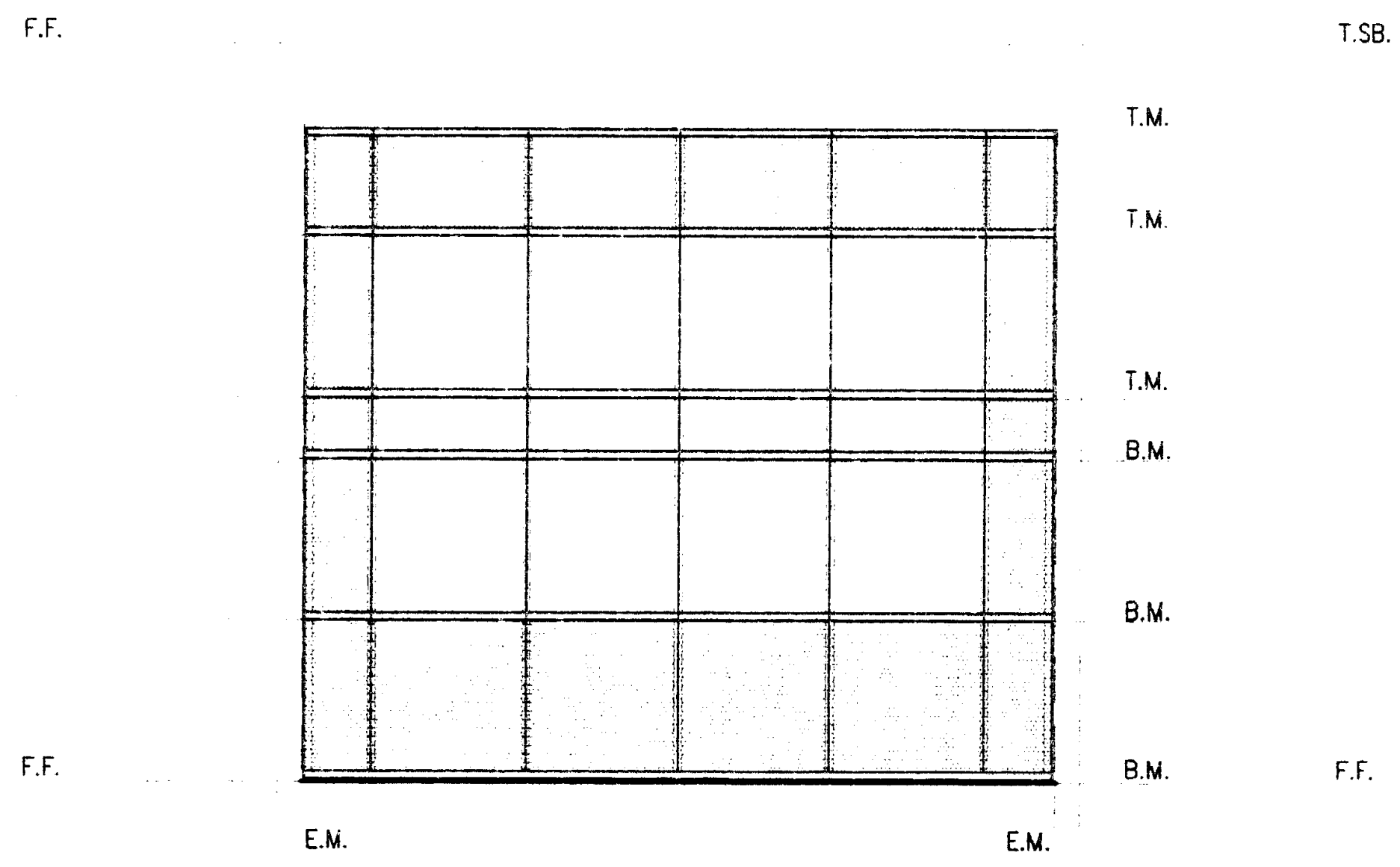
\- A4.1



TYPICAL WINDOW PANEL 6 1/4"=1'-0" 6
\- A4.2



TYPICAL WINDOW PANEL 3 1/4"=1'-0" 3
\- A4.1

PLOT DATE: 03.17.98

IDENTIFICATION STAMP
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SEAL

3-31-99
RENEWAL DATE

GENERAL NOTES:

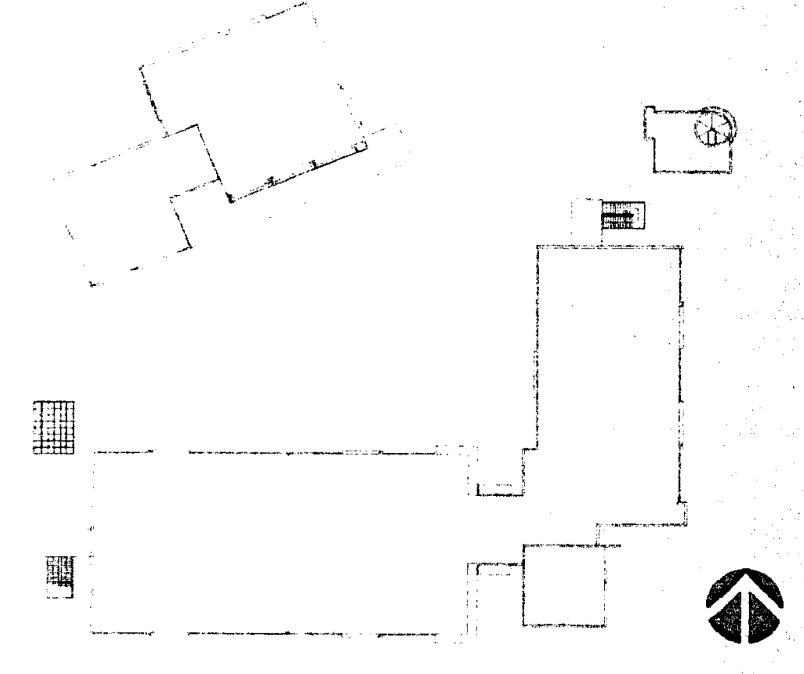
LEGEND:

SPANDREL GLASS

VISION GLASS

WINDOW WALL SYSTEM IS FOR DEFFERED
APPROVAL. SEE DEFFERED APPROVAL NOTE
ON DWG. GO.1

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

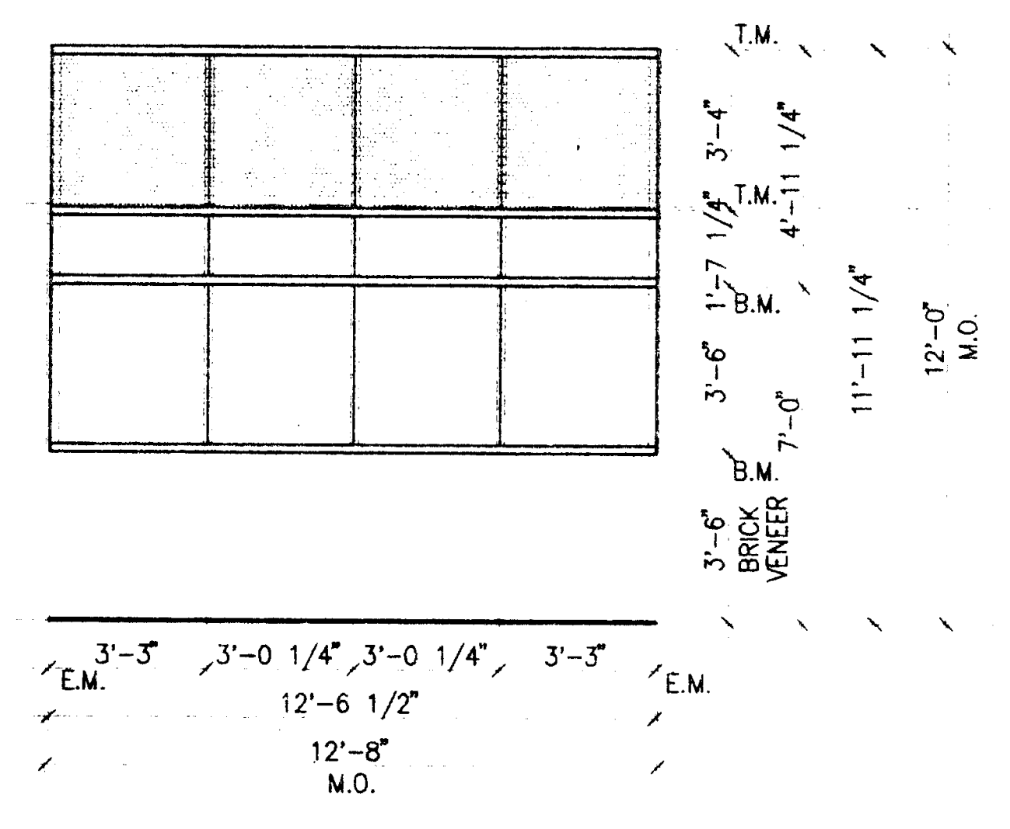
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

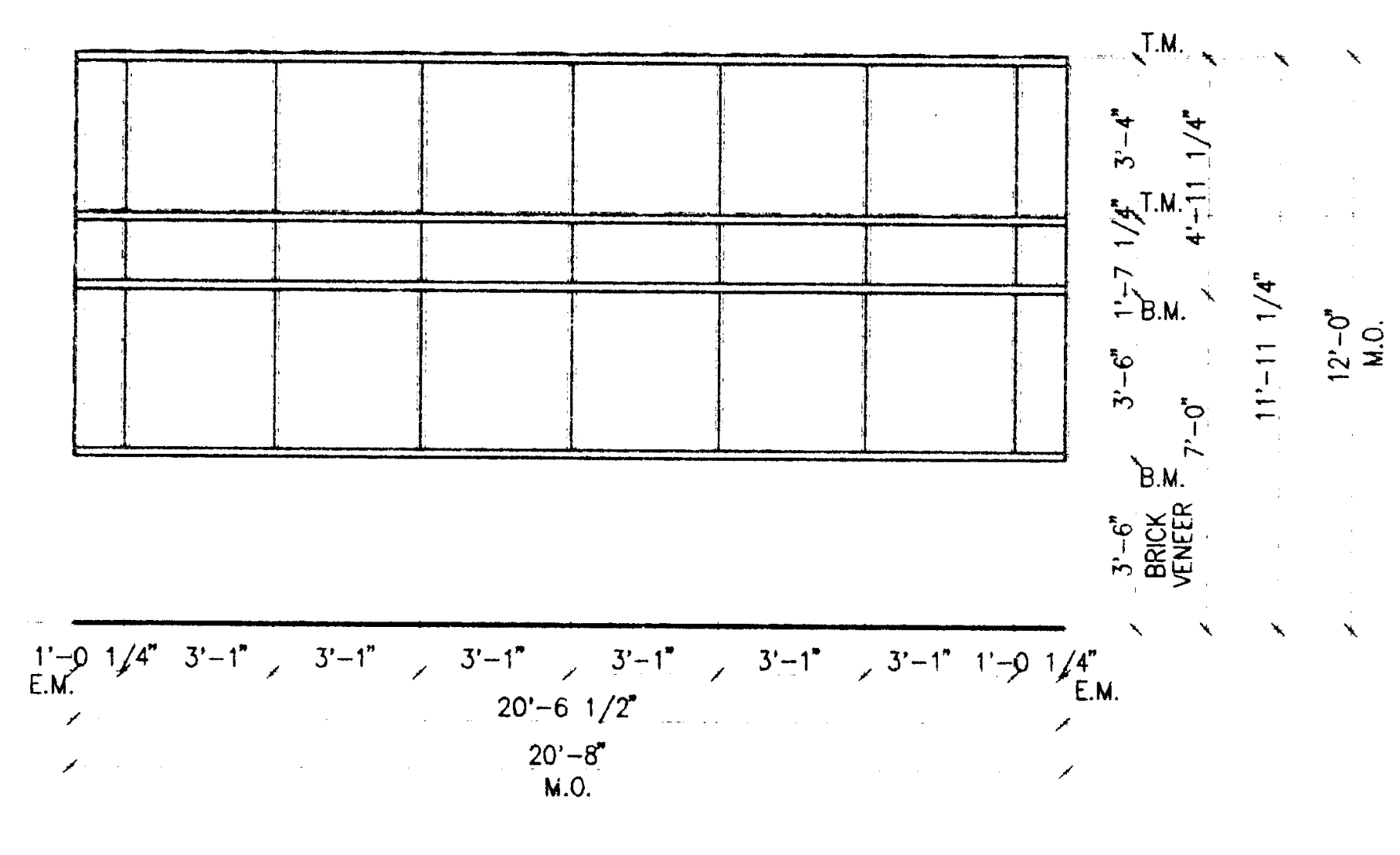
SHEET TITLE
MATH/SCIENCE BUILDING
ENLARGED WINDOW
PANEL ELEVATIONS

FILE: CMA4-04
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98

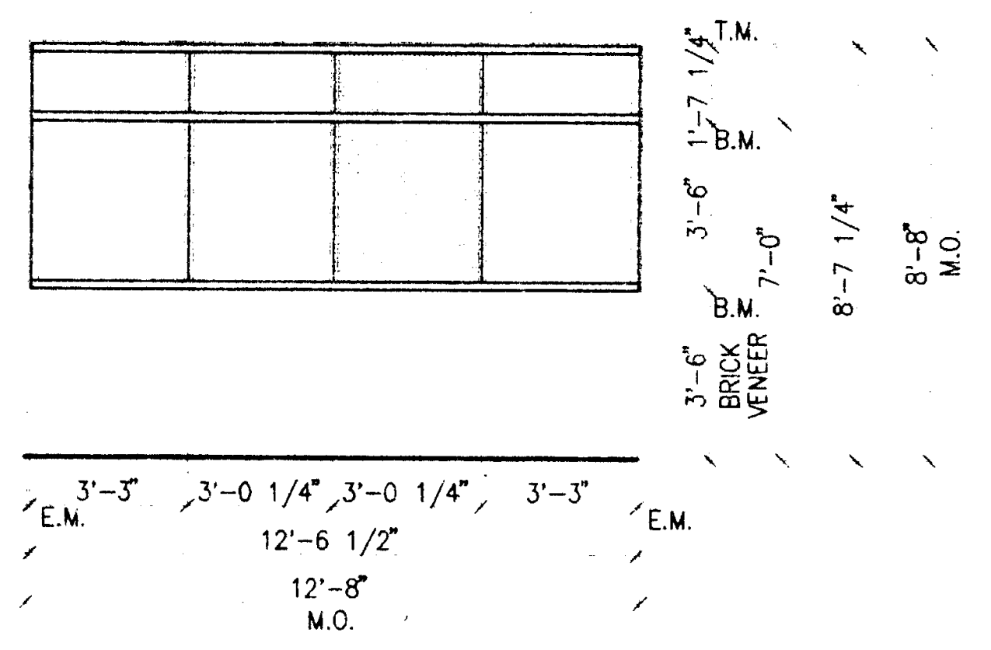
SHEET NO.
A4.4
OF ___ SHEETS



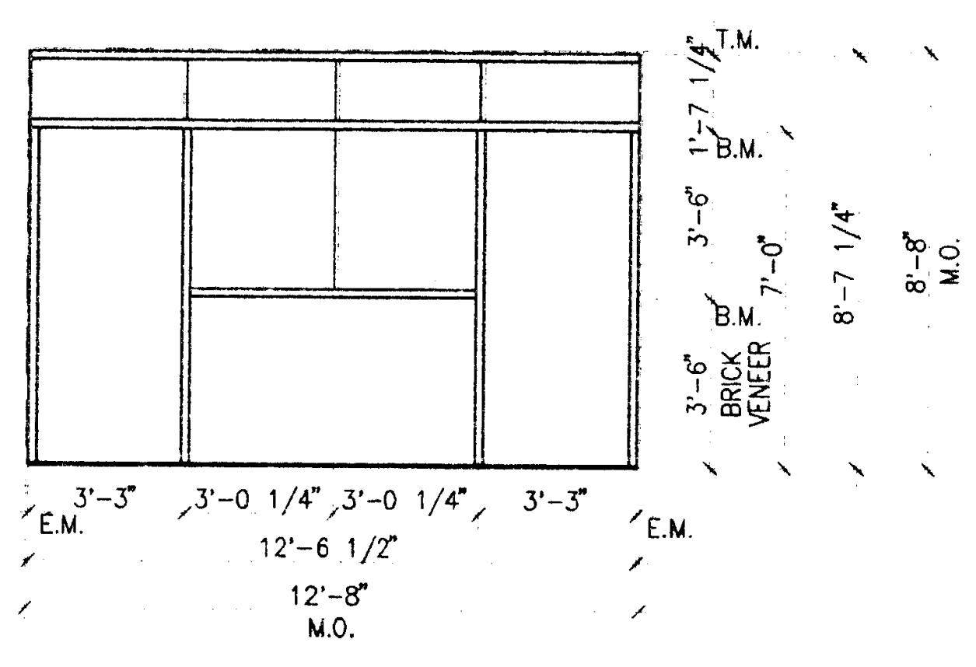
TYPICAL WINDOW PANEL 27 1/4"=1'-0" 13 A4.3



TYPICAL WINDOW PANEL 25 1/4"=1'-0" 10 A4.3



TYPICAL WINDOW PANEL 22 1/4"=1'-0" 7 A4.3



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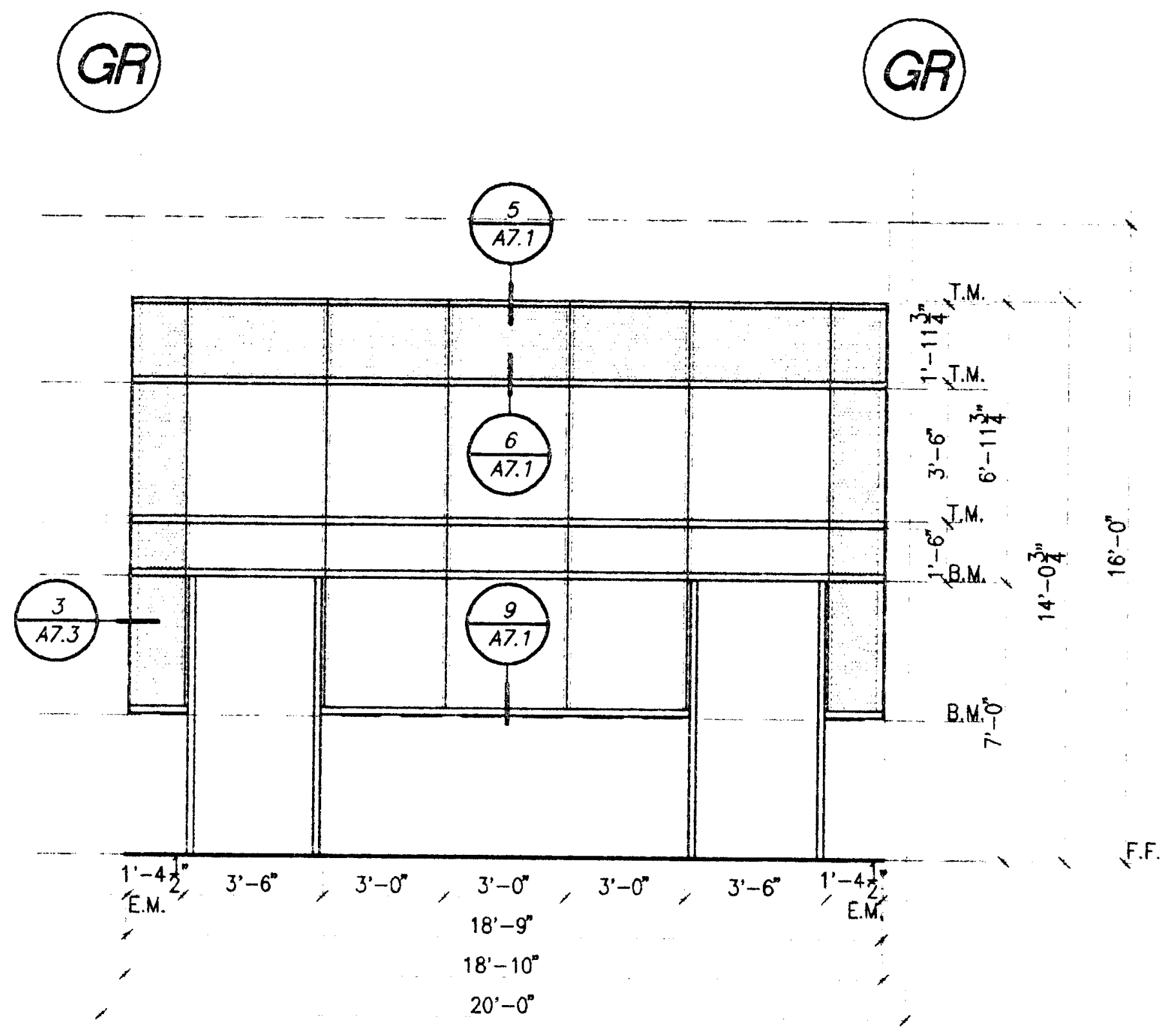
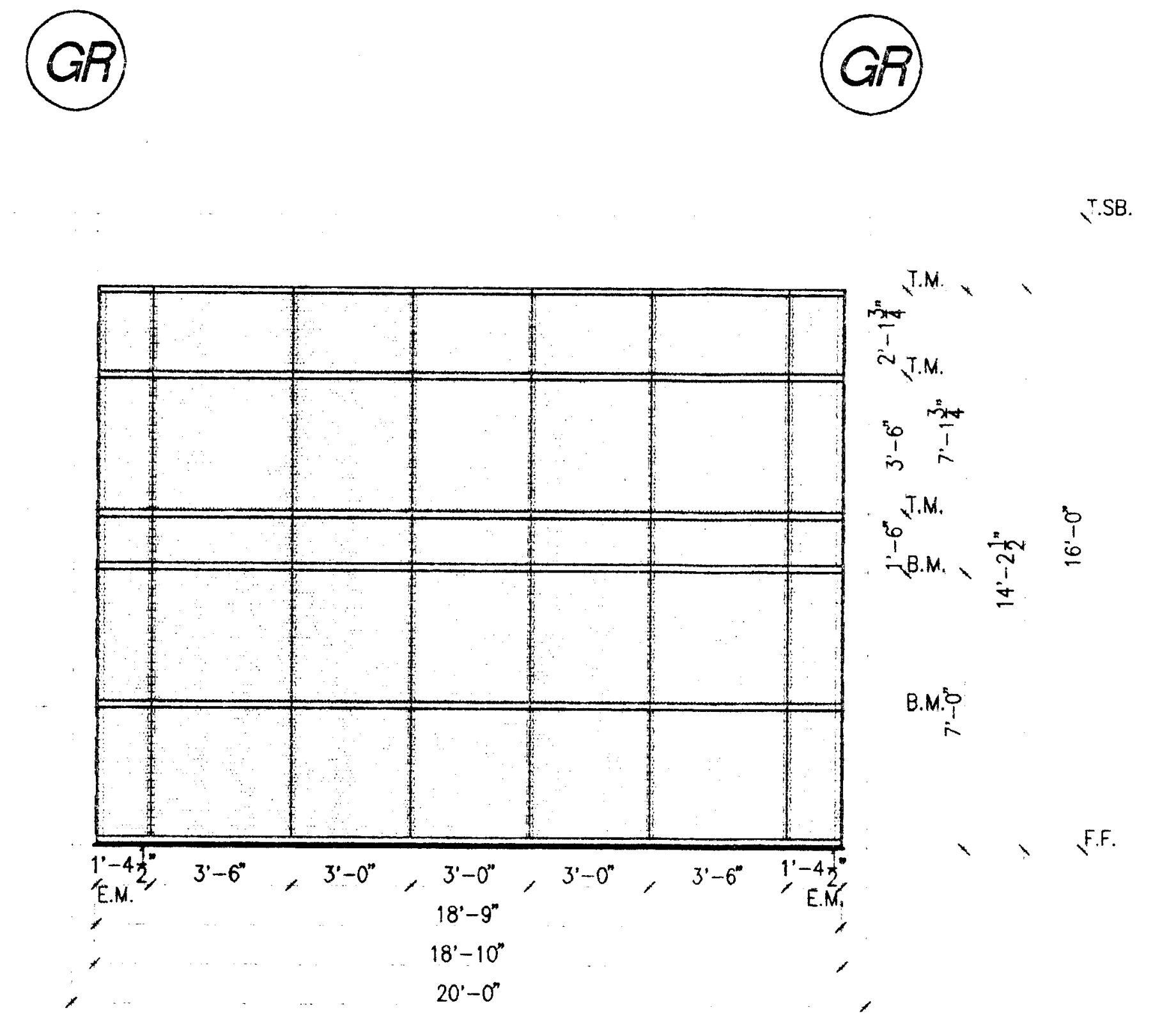
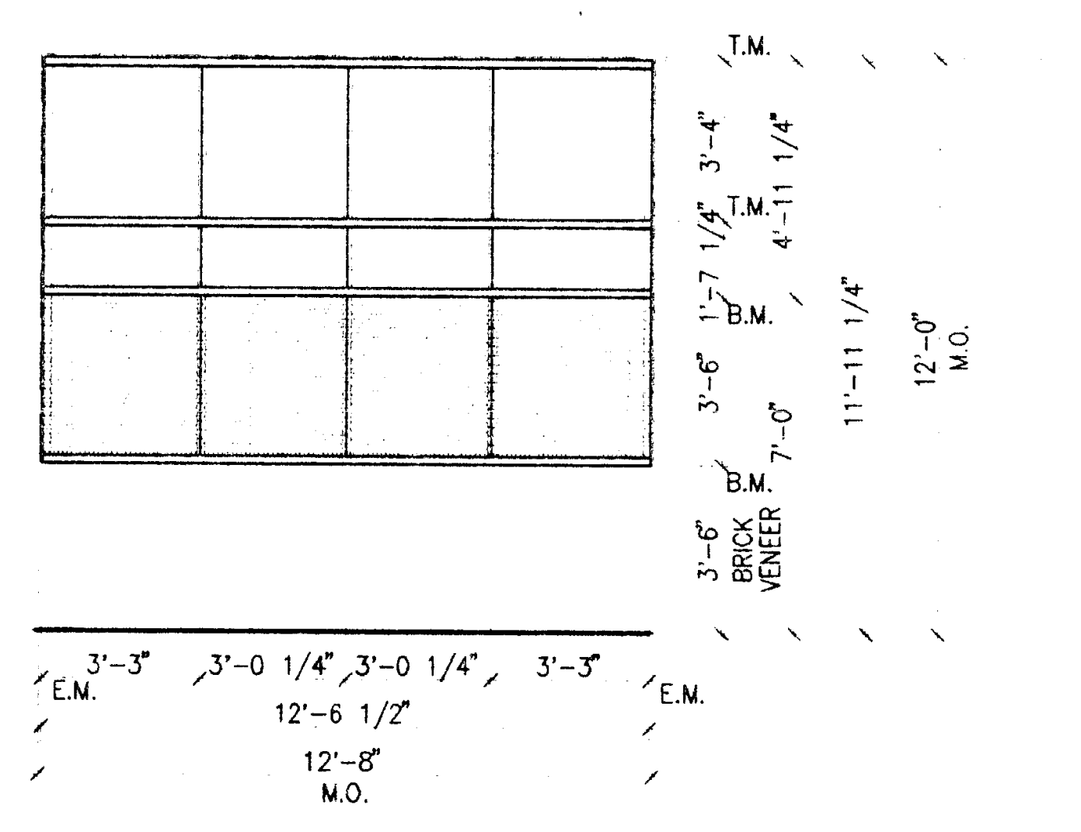


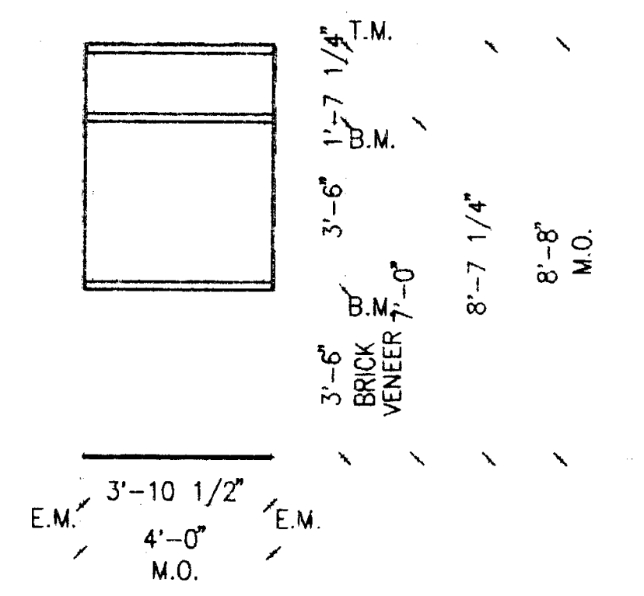
TYPICAL WINDOW PANEL 16 1/4"=1'-0" 1 A4.1



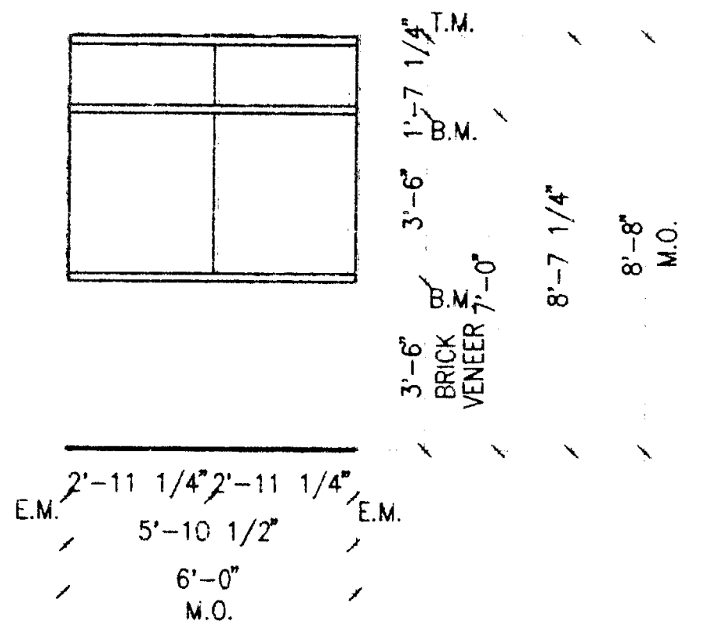
TYPICAL WINDOW PANEL 29 1/4"=1'-0" 14 A4.2



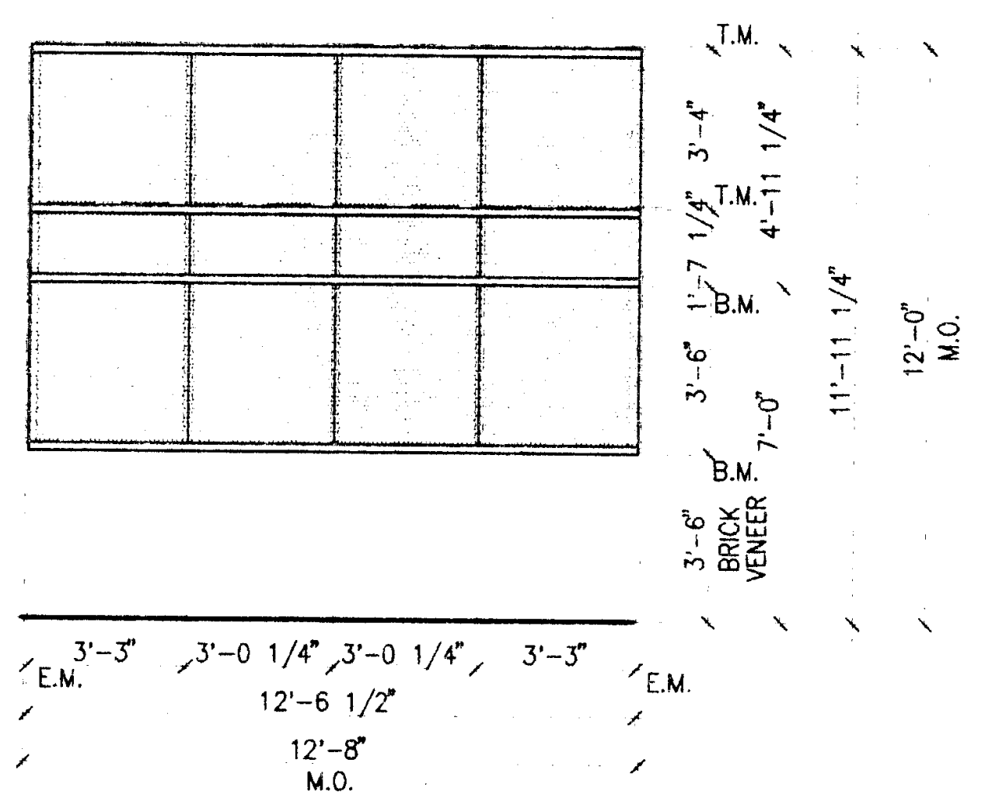
TYPICAL WINDOW PANEL 26 1/4"=1'-0" 11 A4.3



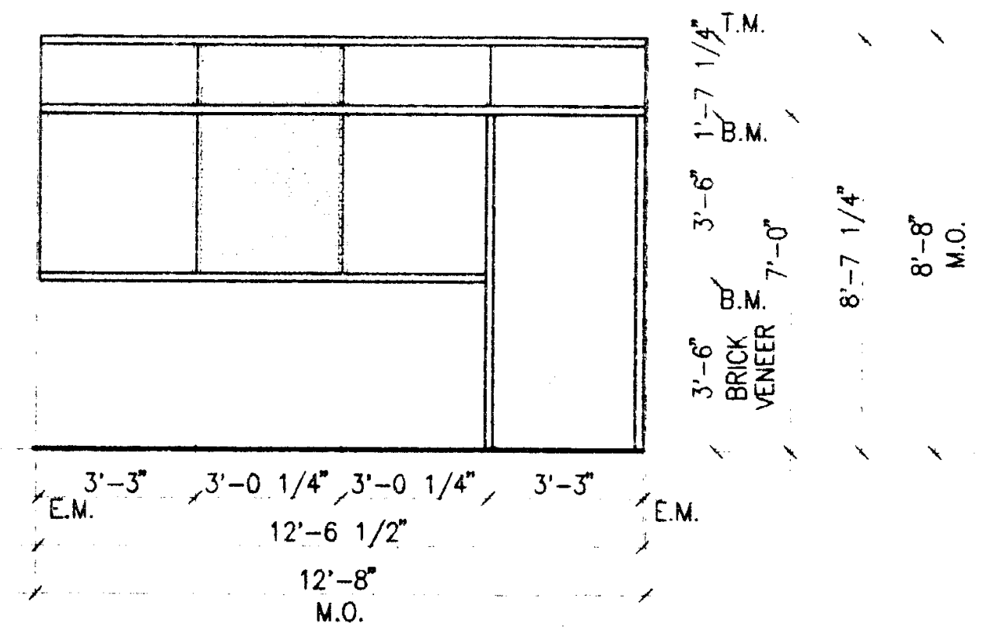
TYPICAL WINDOW PANEL 23 1/4"=1'-0" 8 A4.3



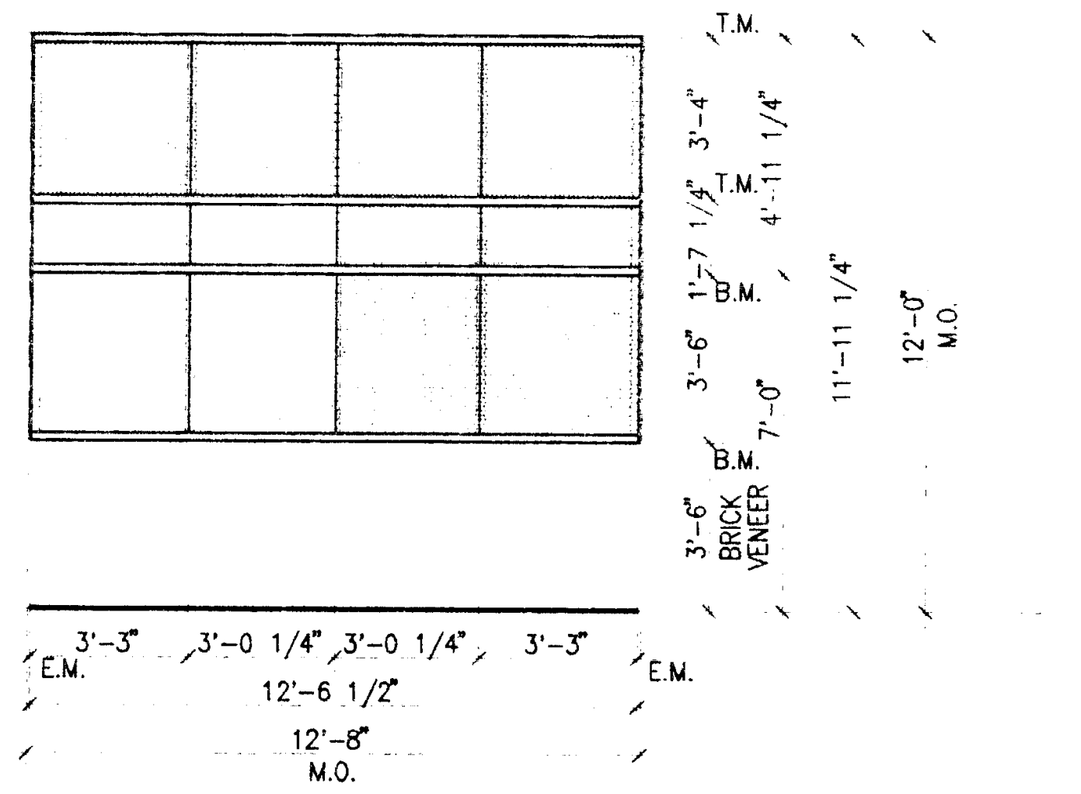
TYPICAL WINDOW PANEL 20 1/4"=1'-0" 5 A4.3



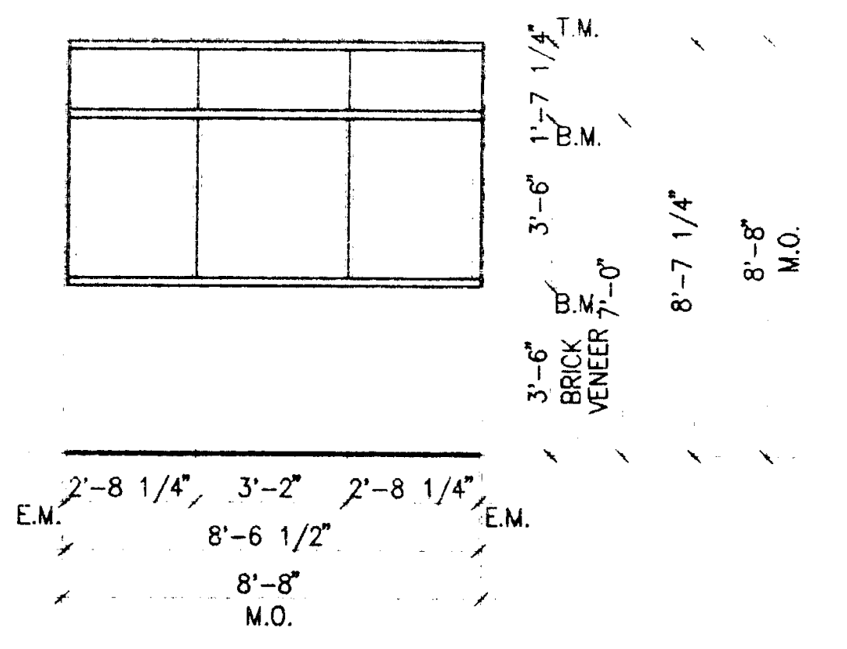
TYPICAL WINDOW PANEL 17 1/4"=1'-0" 2 A4.3



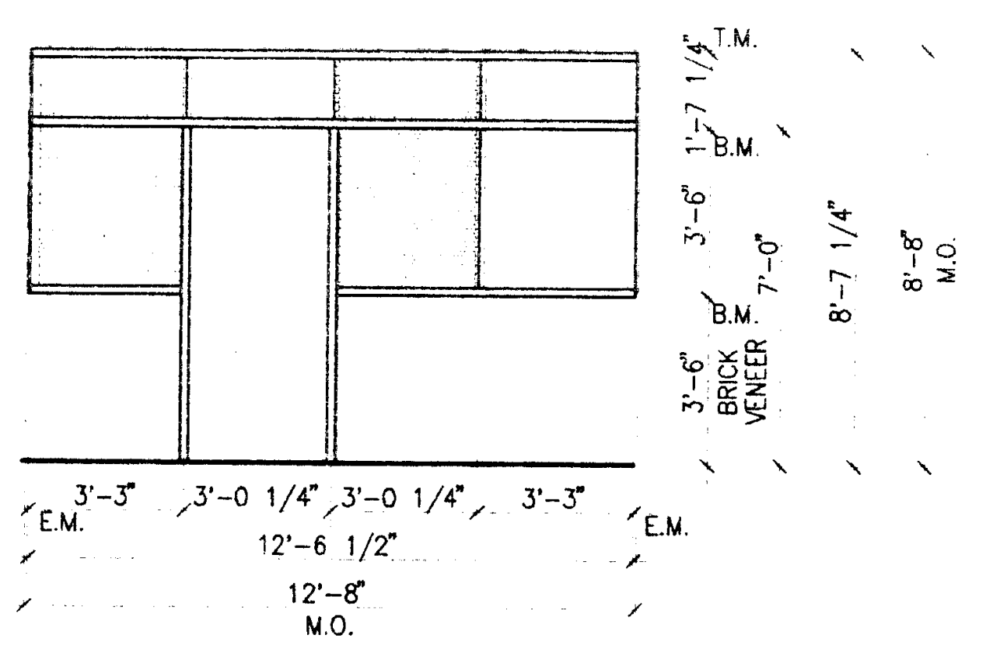
NOT USED =1'-0" 15 –



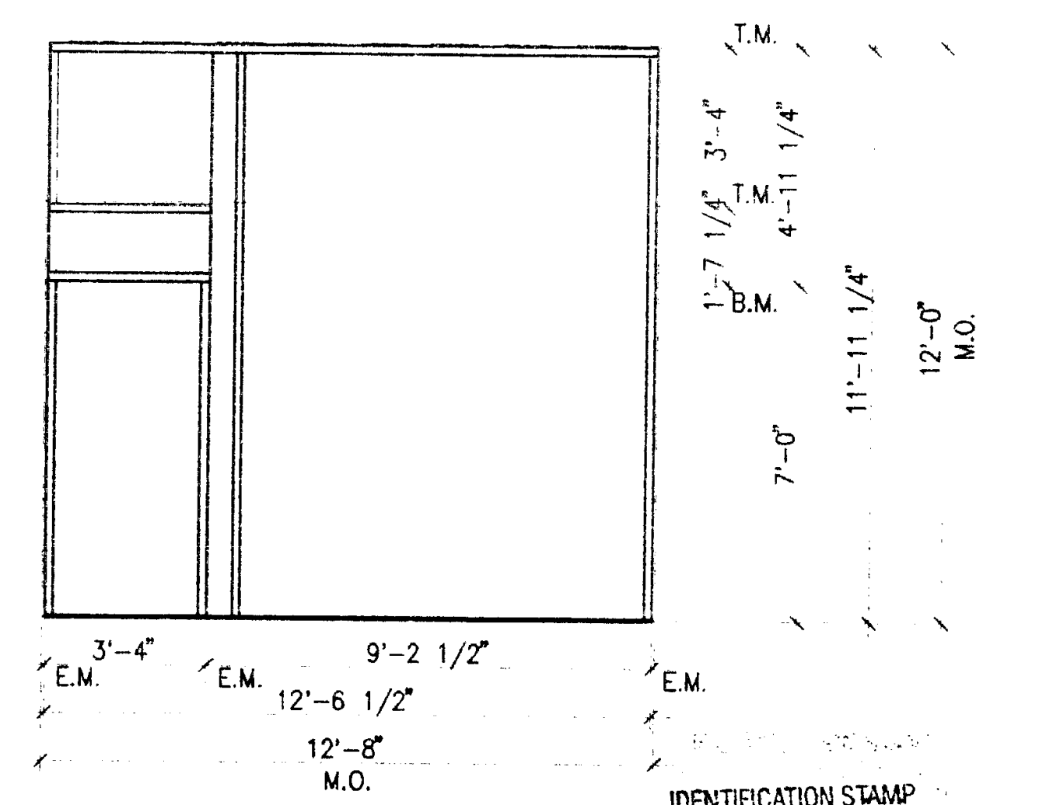
TYPICAL WINDOW PANEL 27 1/4"=1'-0" 12 A4.3



TYPICAL WINDOW PANEL 24 1/4"=1'-0" 9 A4.3



TYPICAL WINDOW PANEL 21 1/4"=1'-0" 6 A4.3



TYPICAL WINDOW PANEL 18 1/4"=1'-0" 3 A4.3

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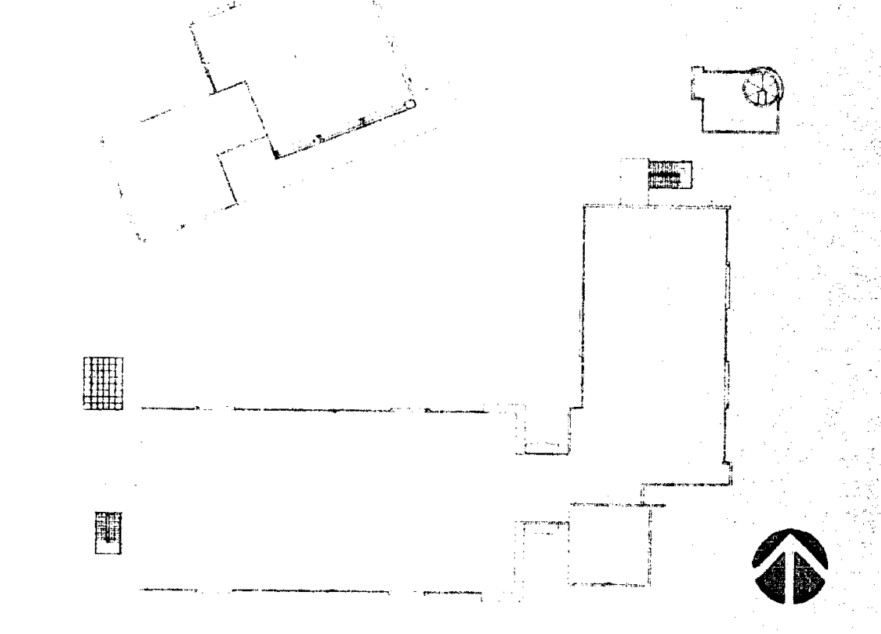
SEAL

MORRIS R. PONDEXTER
3-31-99
RENEWAL DATE

GENERAL NOTES:

LEGEND:
▨ SPANDREL GLASS
☐ VISION GLASS

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

ENLARGED
WINDOW PANEL
ELEVATIONS

FILE:	CMA4-05
SCALE	1/4"=1'-0"
JOB NO.	JGM
DATE	03.06.98

SHEET NO.
A4.5
OF ____ SHEETS

NOT USED =1'-0" 13
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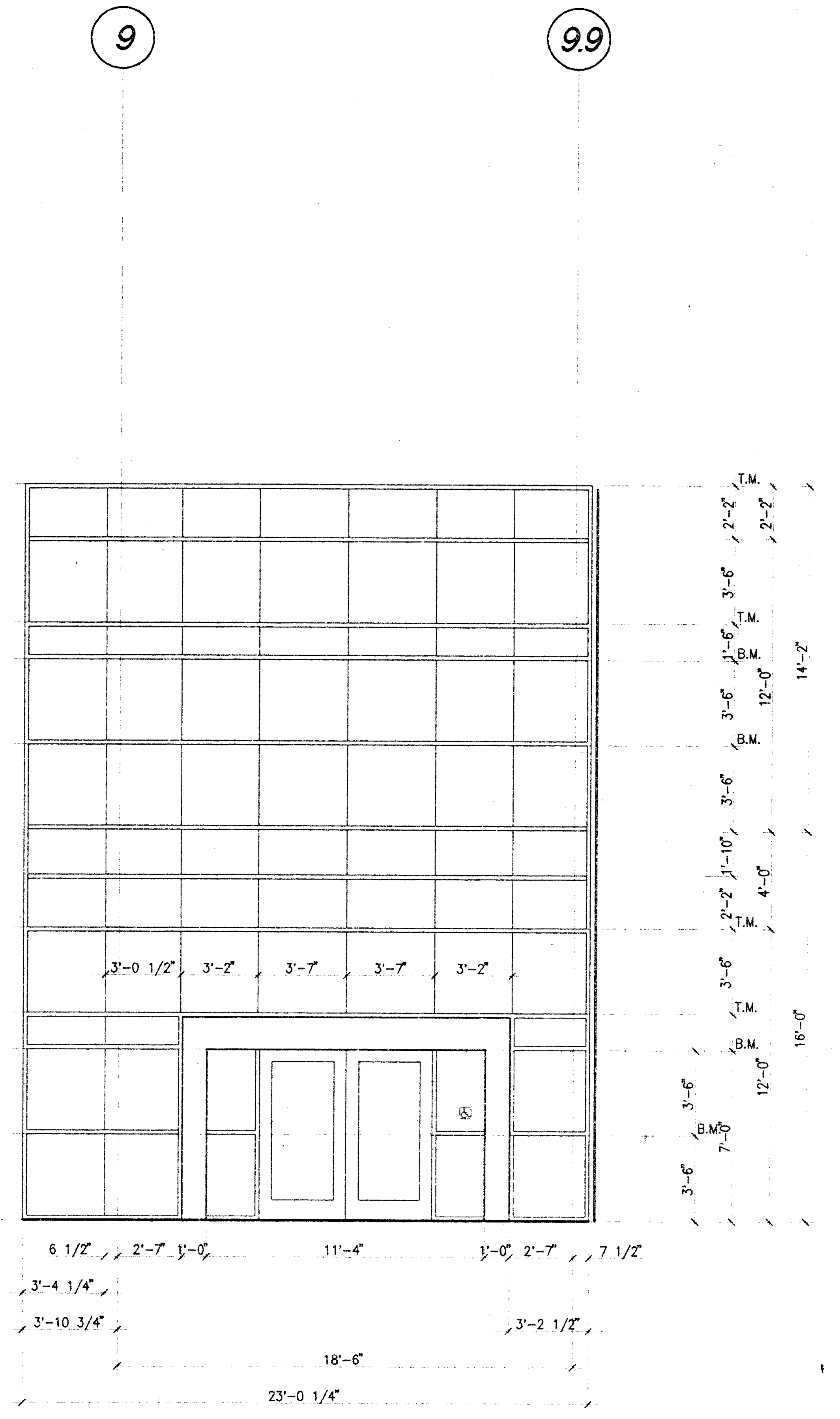
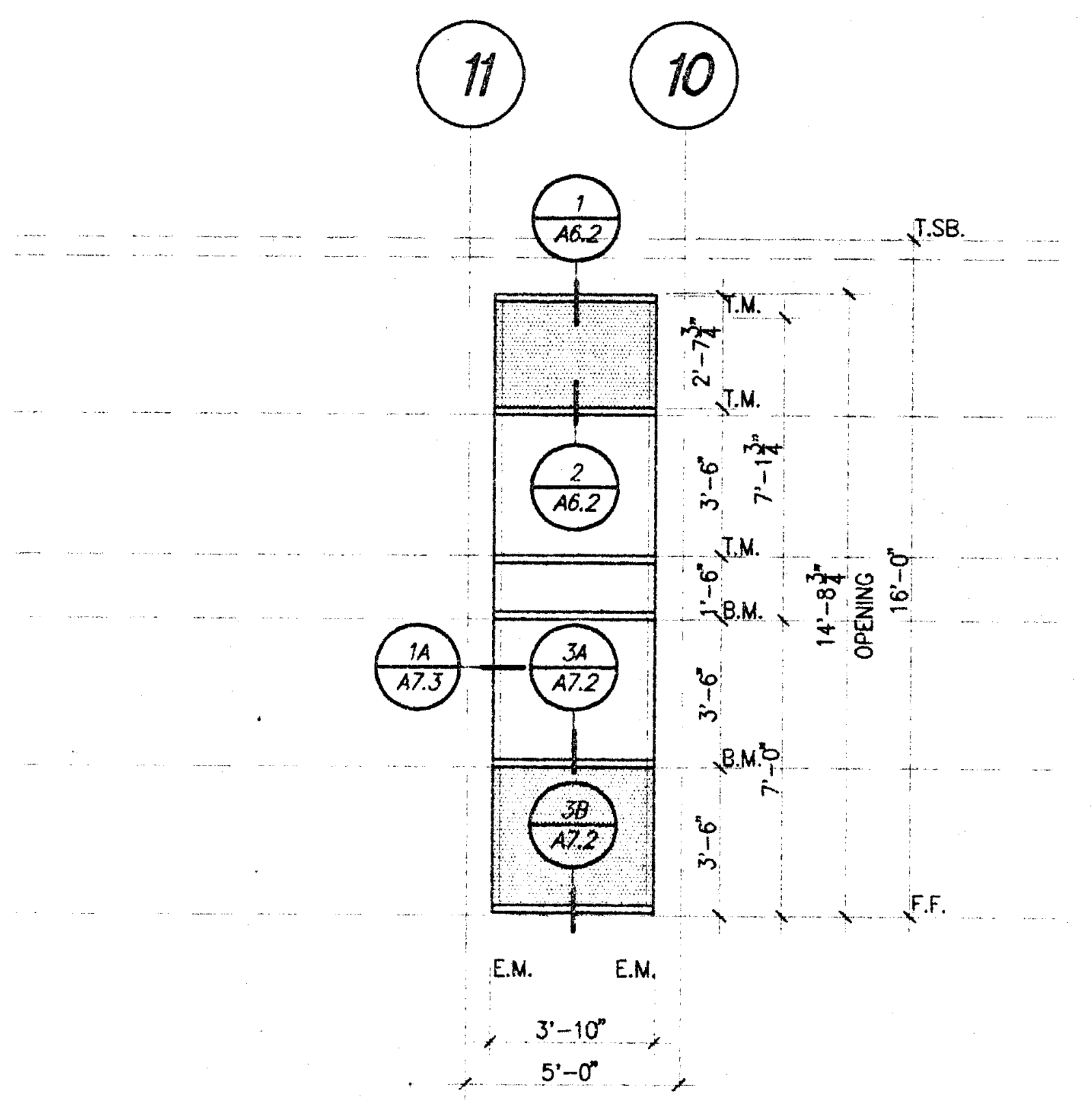


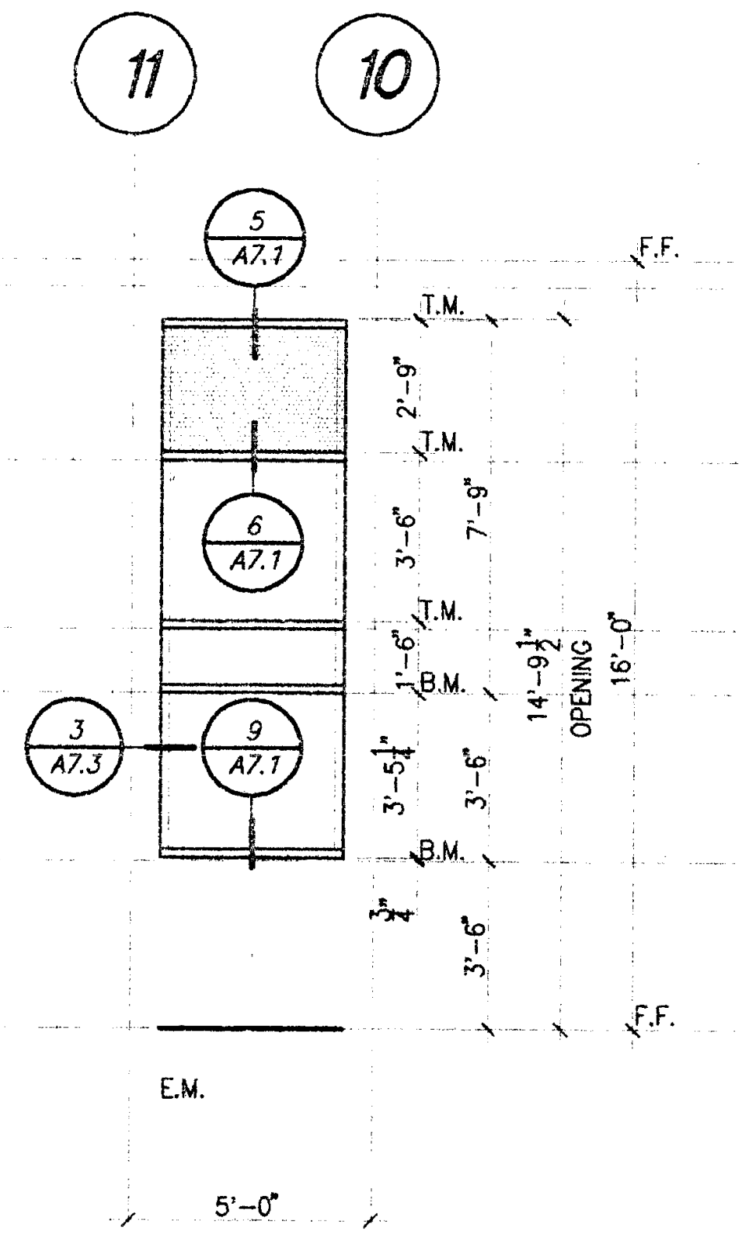
NOTE:
REFER TO WALL SECTION 1/A6.1
FOR DETAIL CALLOUTS

CURTAIN WALL (WINDOW PANEL 37) 1/4=1'-0" 8
— A4.1

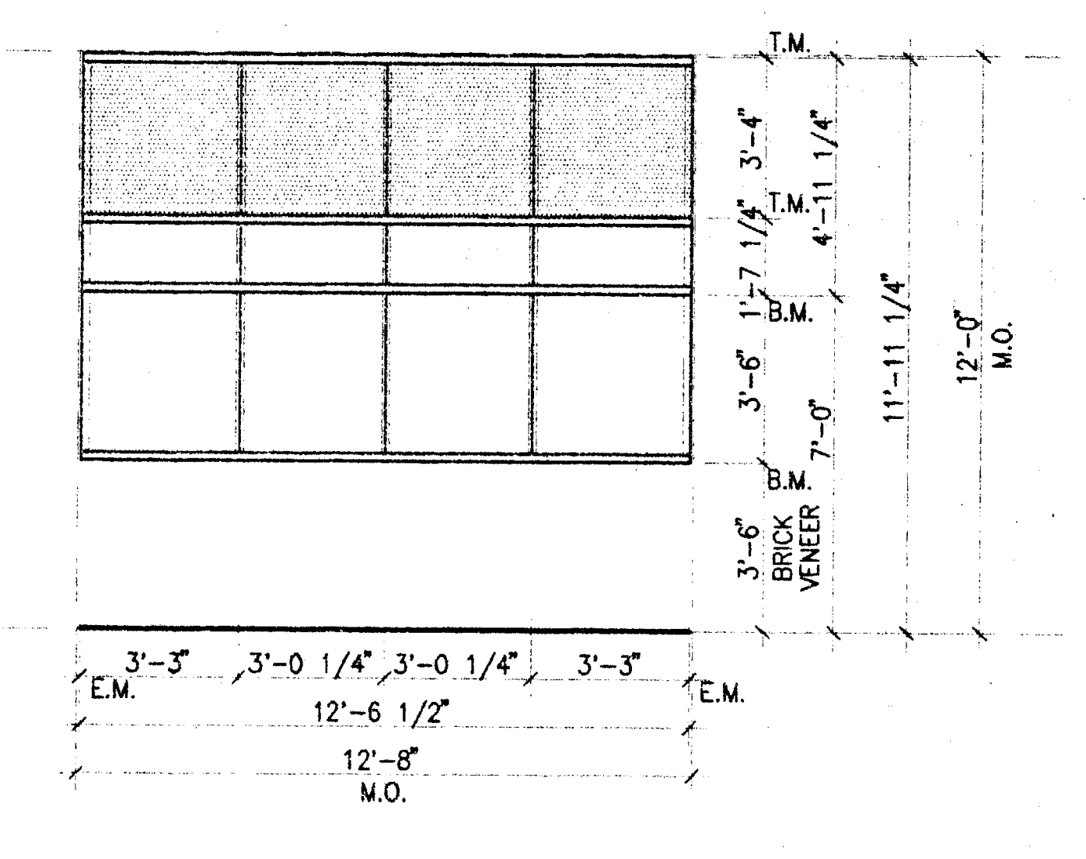
NOT USED =1'-0" 14
—



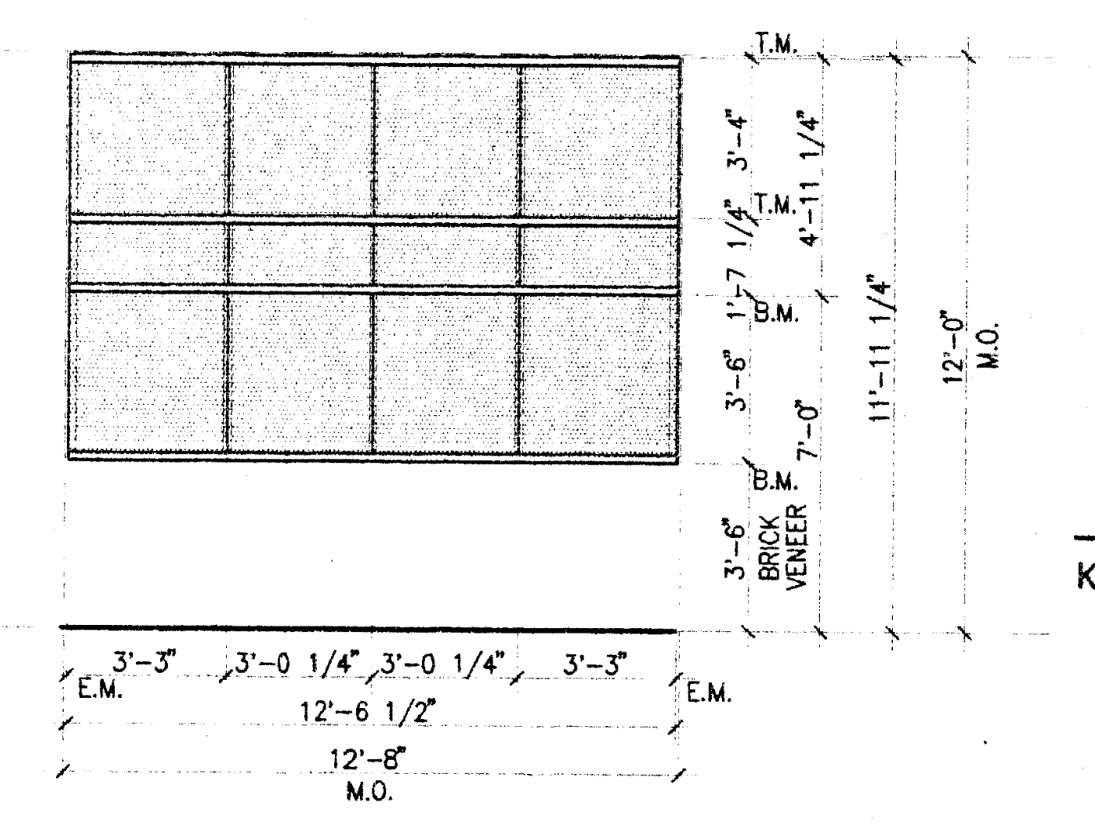
WINDOW PANEL 34 1/4"=1'-0" 4
— A4.2



WINDOW PANEL 35 1/4"=1'-0" 4
— A4.2



TYPICAL WINDOW PANEL 31 1/4"=1'-0" 1
— A4.3



TYPICAL WINDOW PANEL 32 1/4"=1'-0" 2
— A4.3

NOT USED =1'-0" 15
—

NOT USED =1'-0" 12
—

NOT USED =1'-0" 9
—

NOT USED =1'-0" 6
—

NOT USED =1'-0" 3
—

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GENERAL NOTES:

LEGEND:

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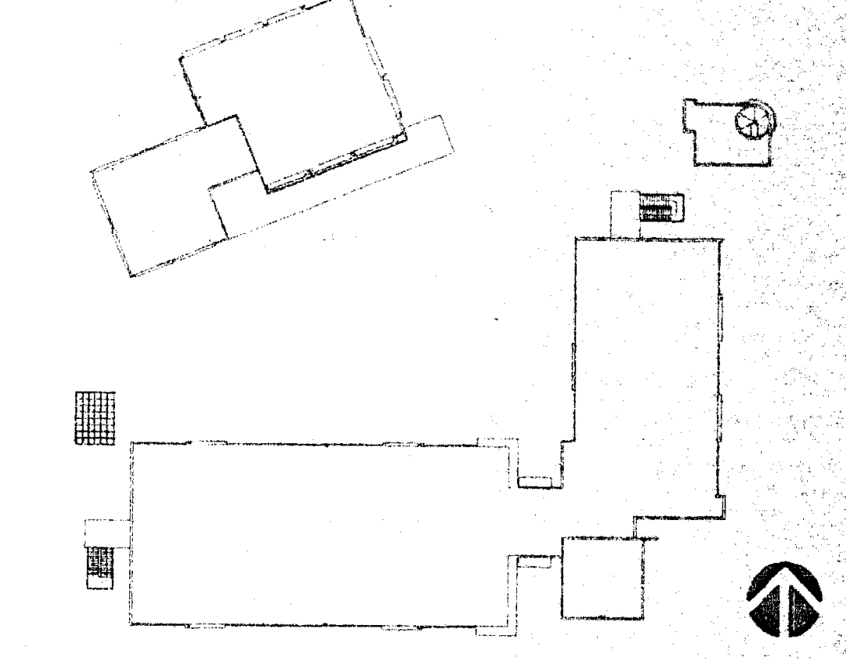
☐ VISION GLASS

KEY PLAN



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SHEET TITLE

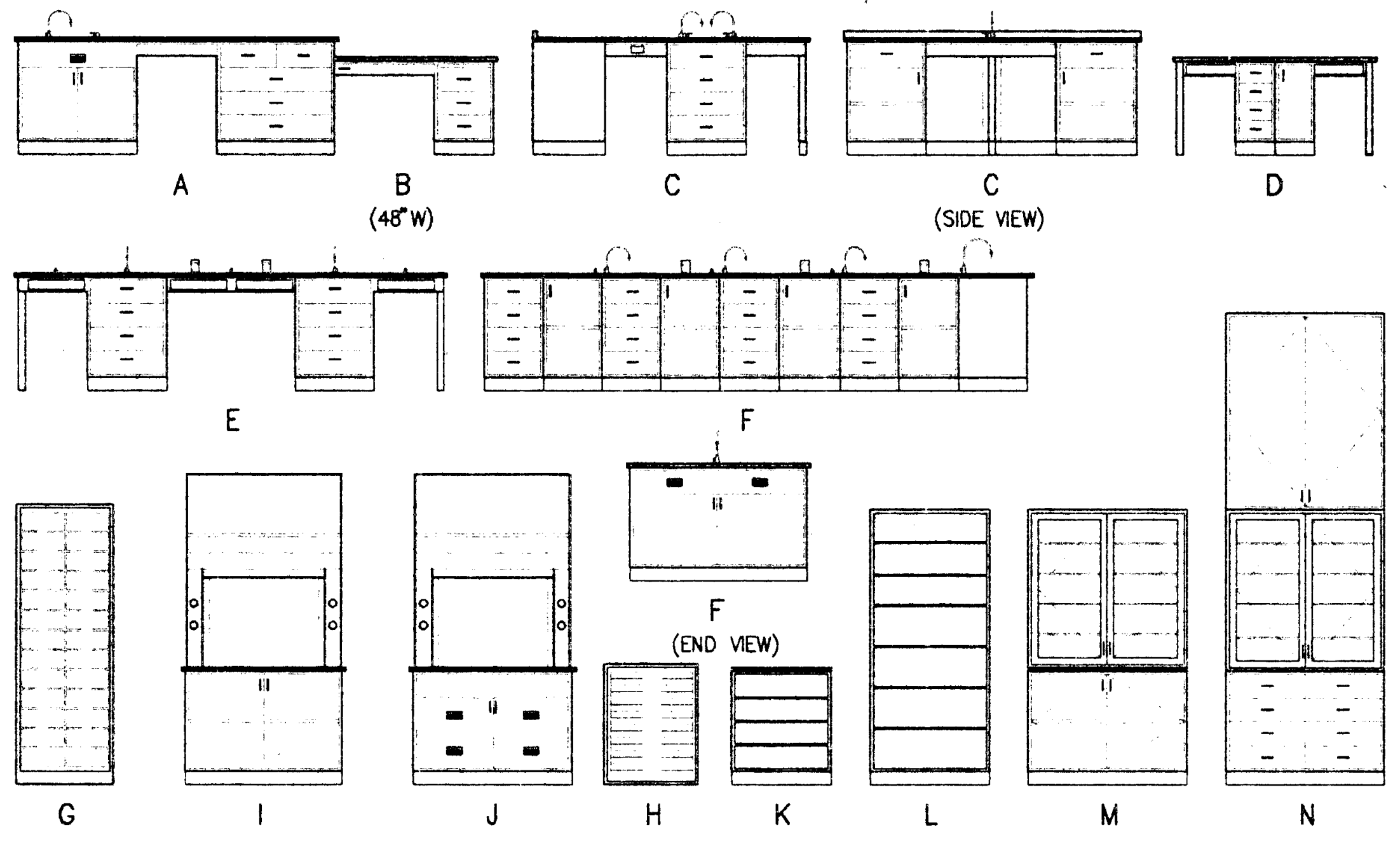
ENLARGED WINDOW PANEL ELEVATIONS

FILE: CMA4-05B
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98

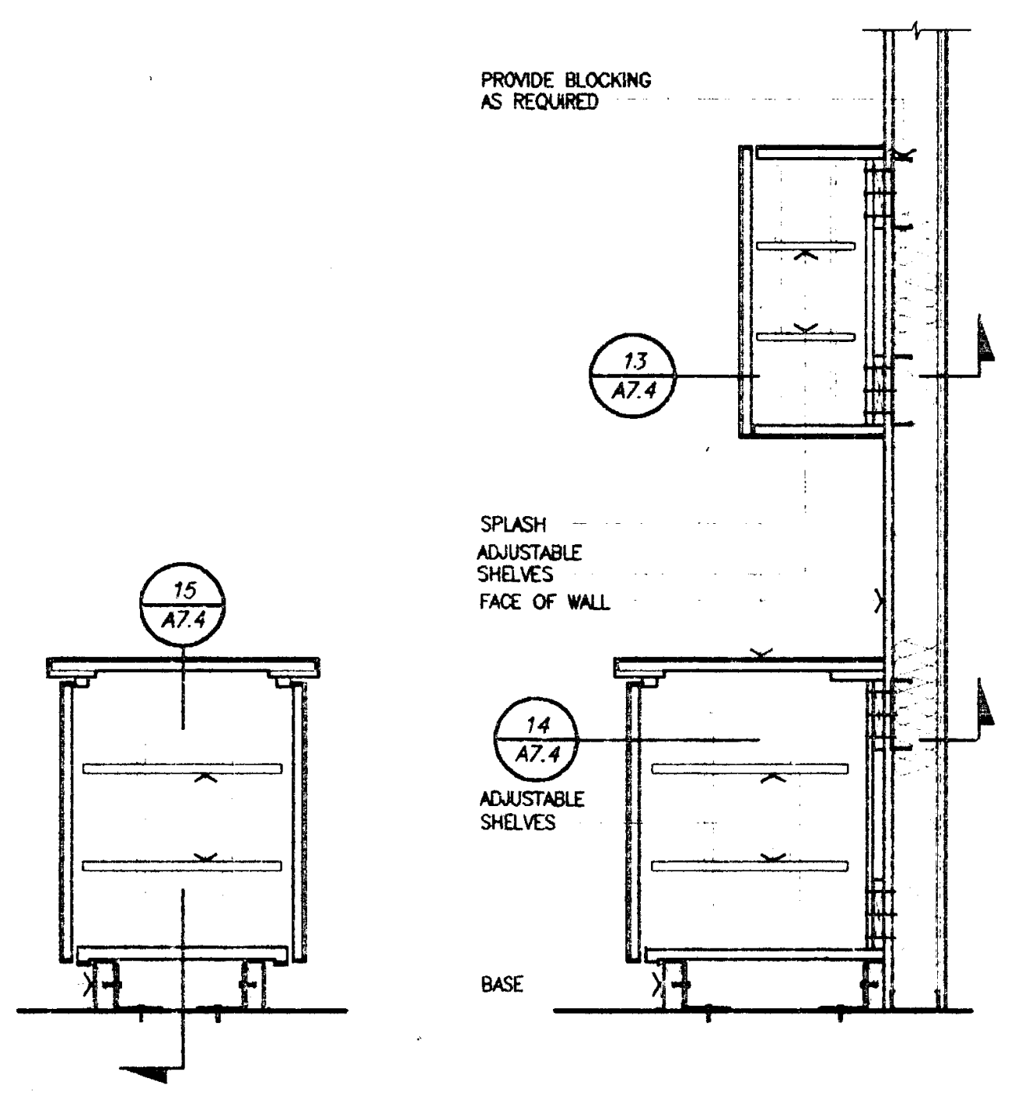
SHEET NO.
A4.5B
OF ____ SHEETS

CASEWORK CABINET TYPES

M - MISCELLANEOUS CASEWORK

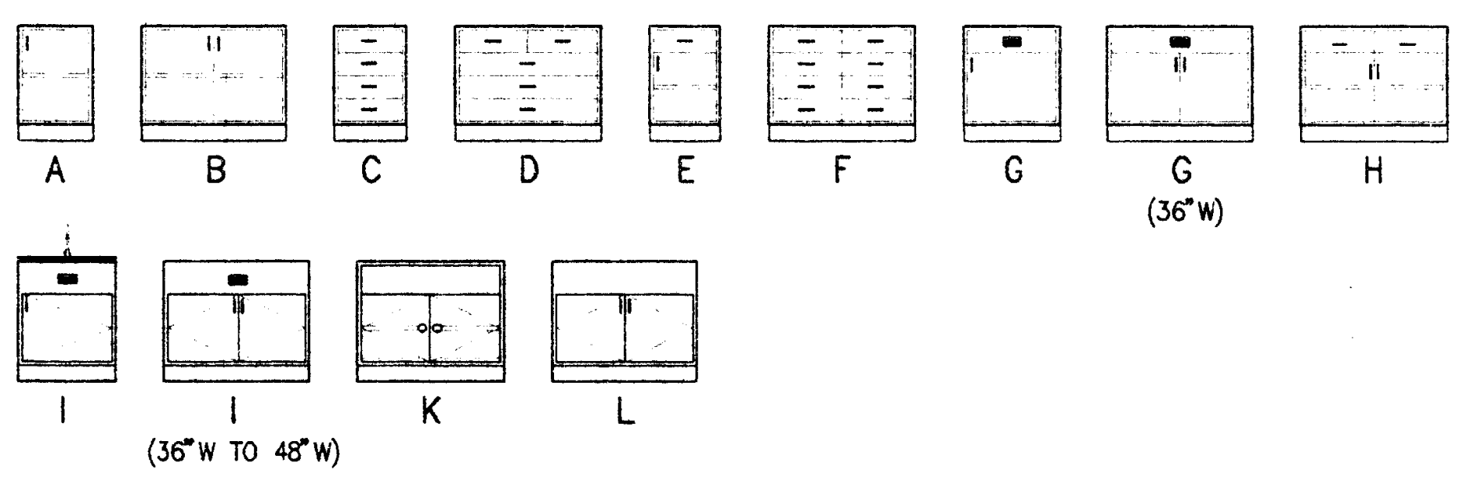


TYPICAL CABINET SECTIONS

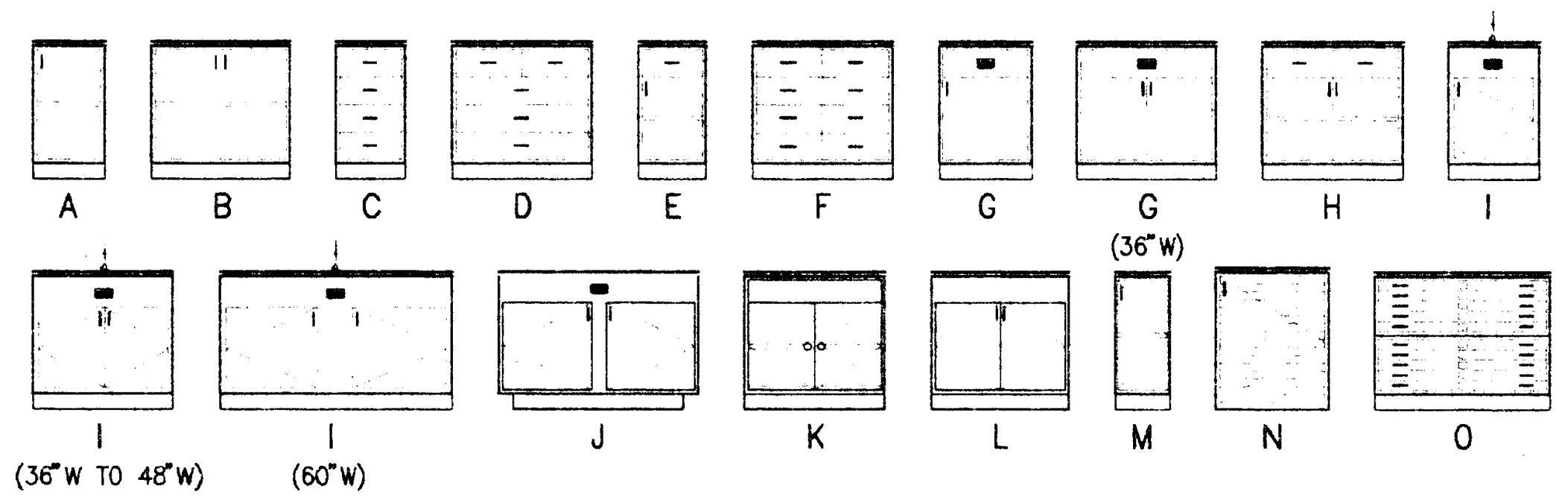


CASEWORK CABINET TYPES

BS - BASE CABINETS W/ SITTING HEIGHT

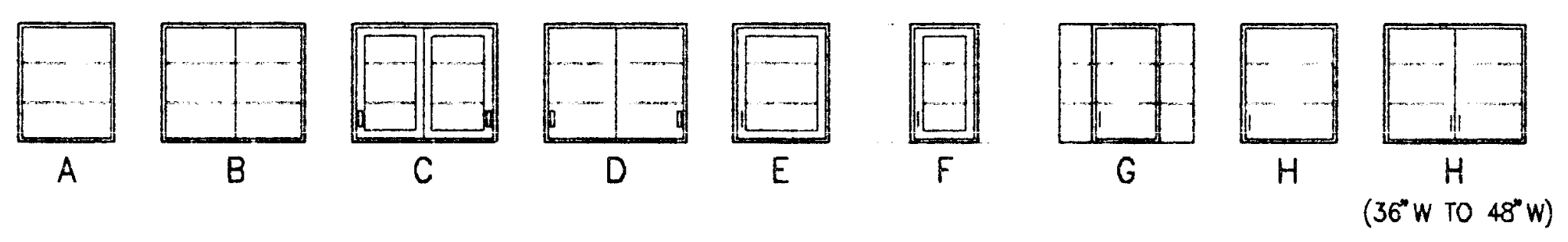


BT - BASE CABINETS W/ STANDING HEIGHT

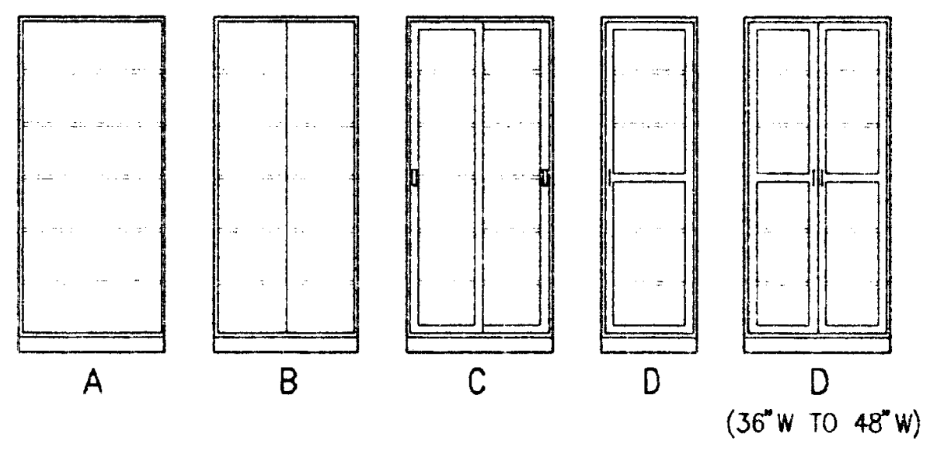


NOTE: BASE CABINET II IS SIMILAR TO BASE CABINET I, BUT WITHOUT DOORS FOR DISABLED ACCESS

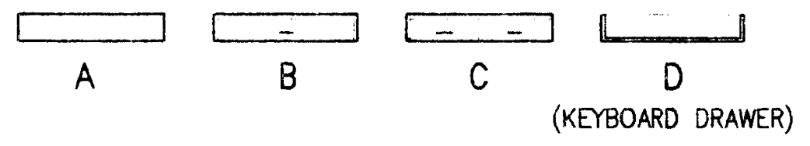
W - WALL CABINETS



F - FULL HEIGHT CABINETS



K - KNEE SPACE APRON/DRAWERS



CASEWORK CABINET TYPES

	CABINET TYPES	MANUFACTURER MATCH OR APPROVED EQUILALENT (ALTERNATE WIDTH) STANDING HEIGHT	SITTING HEIGHT
BS + BT - BASE CABINETS	TYPE A	VFC03-3418(24)	VFC03-3018(24)
	TYPE B	VFC03-3436(48)	VFC03-3036(48)
	TYPE C	VFD30-3418(24)	VFD30-3018(24)
	TYPE D	VFD31-3436(48)	VFD31-3036(48)
	TYPE E	VFE41-3418(24)	VFE41-3018(24)
	TYPE F	VFD32-3436(48)	VFD32-3036(48)
	TYPE G	VFG00-3424(36)	VFG00-3024(36)
	TYPE H	VFE41-3436(48)	VFE41-3036(48)
	TYPE I	VFG00-3424(36+48)	VFG00-3024(36+48)
	TYPE J	VFG04-3452	VFG04-3052
	TYPE K	VFG-FLAN-34(48)	
	TYPE L	VFG80-3436(48)	VFG80-3036(48)
FU- FULL HEIGHT	TYPE A	VFS00-1236(48)	
	TYPE B	VFS12-2236(48)	
	TYPE C	VFS11-1636(48)	
	TYPE C (22" DEEP)	VFS11-2236(48)	
	TYPE D	VFS20-1624(36+48)	
WA - WALL CABINETS	TYPE A	VFW00-3024(36+48)	
	TYPE B	VFW10-3036(48)	
	TYPE C	VFW11-3036(48)	
	TYPE D	VFW12-3036(48)	
	TYPE E	VFW20-3024(36+48)	
	TYPE F	VFW21-3017	
	TYPE G	VFW26-3017	
	TYPE H	VFW25-3024(36+48)	
MI- MISC. CABINETS	TYPE A	VFT31(21)-W3696	
	TYPE B	VFT24-W3048	
	TYPE C	VFX75-9293	
	TYPE D	VFT80-3690	
	TYPE E	VFT45-3000	
	TYPE E(30" HIGH)	VFT48-3693	
	TYPE F	VFT71-3600	
	TYPE G	S-77525-20	
	TYPE H	S-77525-21	
	TYPE I	VFG-2688-0F	
	TYPE J	VFG2088-F6	

CASEWORK GENERAL NOTES

1. SUSPENDED WALL CABINET WIDTH TO ALIGH WITH CORRESPONDING BASE WIDTH UNLESS DESIGNATED OTHERWISE.
2. CABINET WIDTH TO BE BASED ON MODULE INCREMENTS OF 3" THROUGH 24" WIDE CABINETS AND 6" INCREMENTS FOR 24" WIDE THROUGH 48" WIDE CABINETS.
3. 3" MAX. WIDTH FILLER PANELS WILL BE PROVIDED TO FINISH OUT CABINETS TO WALLS WHERE PLAN DIMENSION DICTATES.
4. PROVIDE FINISHED END PANELS AND/OR END RETURNS AT OPEN ENDED CASEWORK.
5. PROVIDE WALL BRACKET SUPPORTS AT 48" O.C. MAX. FOR CONTINUOUS KNEE SPACE.
6. PROVIDE LIGHT VALANCE AT ALL TASK LIGHTING LOCATIONS. REFERENCE ELECTRICAL FOR LIGHTING LOCATIONS.
7. PROVIDE COUTERTOPS OVER ALL BASE CABINETS AND KNEE SPACE APRONS.
8. PROVIDE ADJUSTABLE SHELVES AS DELINEATED ON THE BASE CABINETS DESIGN DESIGNATIONS.
9. CASEWORK MANUFACTURER TO PROVIDE TRIM AND FILLER PANELS WHERE EQUIPMENT IS LOCATED WITHIN CASEWORK UNITS.
10. PROVIDE DOOR AND DRAWER PULLS AS DELINEATED ON DESIGN DESIGNATIONS.
11. GLASS PANELS WILL BE 1/4" CLEAR TEMPERED U.N.O.
12. FULL HEIGHT CABINETS TO BE PROVIDED WITH FILLER AT TOP TO FLUSH WITH ADJ. SUSPENDED WALL CABINETS OR CLOSE OFF TOP OF CABINET AT FURRDOWN.
13. PROVIDE ENDSPLASH WHEN COUNTERTOP IS ADJACENT TO WALLS AT SIDES.
14. 1/4" RADIUS ON ALL COUNTERTOPS U.N.O.
15. CABINET DESIGN IS BASED ON REDISHIP, VWR SCIENTIFIC FURNITURE MANUFACTURER.

CASEWORK CABINET TYPES / STANDARD MODULES

NOTE: ALL CABINET DIMENSIONS GIVEN ARE NOMINAL.

SUSPENDED WALL CABINETS

WA : STANDARD SUSPENDED WALL CABINET MODULE: 30" HIGH WITH TWO ADJUSTABLE SHELVES, 12" DEEP U.N.O.

BASE CABINETS

BT : STANDARD BASE CABINET MODULE : STANDING HEIGHT 34" HIGH, 24" DEEP U.N.O.
BH : HANDICAPPED HEIGHT, 34" HIGH, 24" DEEP U.N.O.
BS : SITTING HEIGHT, 30" HIGH, 24" DEEP U.N.O. 27"KS RQD

FULL HEIGHT CABINETS

FU : 84" HIGH W/ 5 SHELVES, 4 ADJUSTABLE, 1 FIXED SHELVES, 12" DEEP U.N.O.

KNEE SPACE APRON/DRAWERS

KN : KNEE SPACE HEIGHT AND 27"MIN. DEPTH TO MATCH BASE CABINET. APRON/DRAWERS TO BE 3-1/2" HIGH U.N.O.

MISCELLANEOUS CABINETS

MI : REFER TO ELEVATIONS FOR DESIGN CRITERIA

COUNTERTOP DESIGNATION

STANDARD COUNTERTOP IS PLASTIC LAMINATE
SS - STAINLESS STEEL
ER - EPOXY RESIN
ST - STONE
CP - CAST PLASTIC

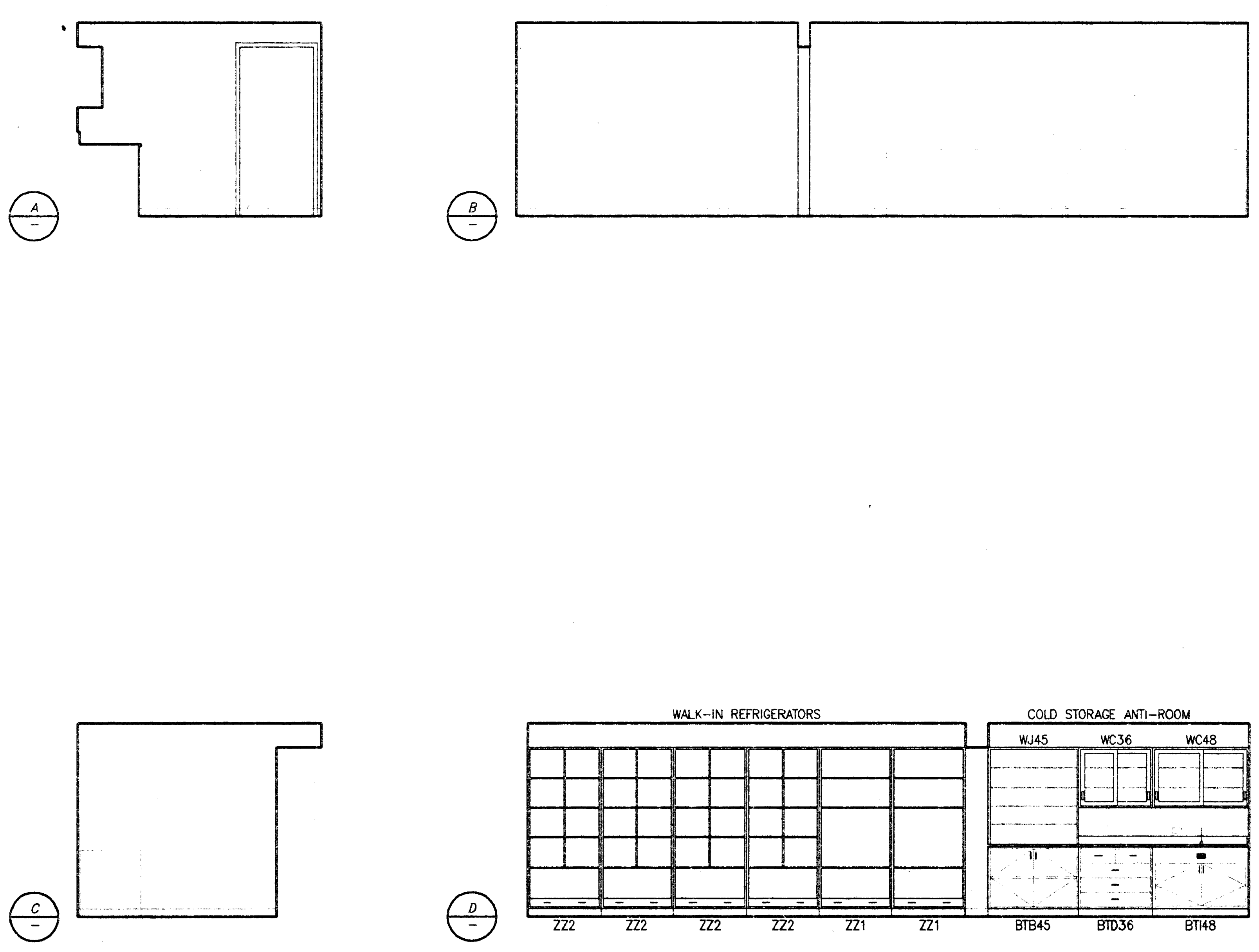
CABINET WIDTH MODULE DESIGNATIONS

*STANDARD MODULE WIDTHS:
18" 24" 36" 48"

CASEWORK ACCESSORIES LEGEND

THIS SECTION WILL COVER LOCKS, WASTE CHUTES, SLIDING WRITING SHELF, ETC. CREATE A CASEWORK ACCESSORIES LEGEND:

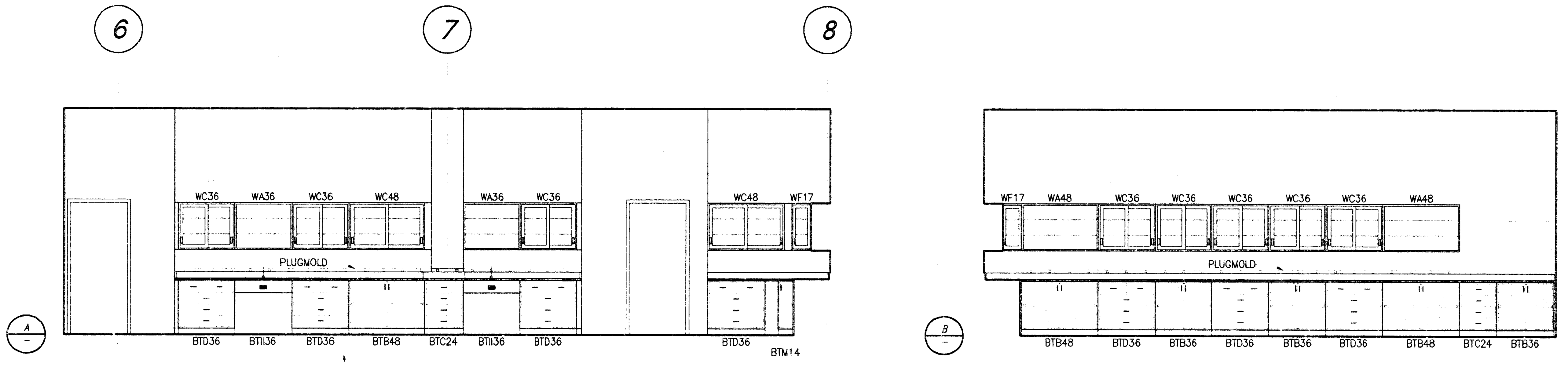
a - DRAWER/CABINET LOCK
b - WASTE CHUTE
c - SLIDING WRITING SHELF
d - GROMMET
e - SYSTEMS MANUFACTURED CASEWORK
f - NARCOTICS LOCKERS.

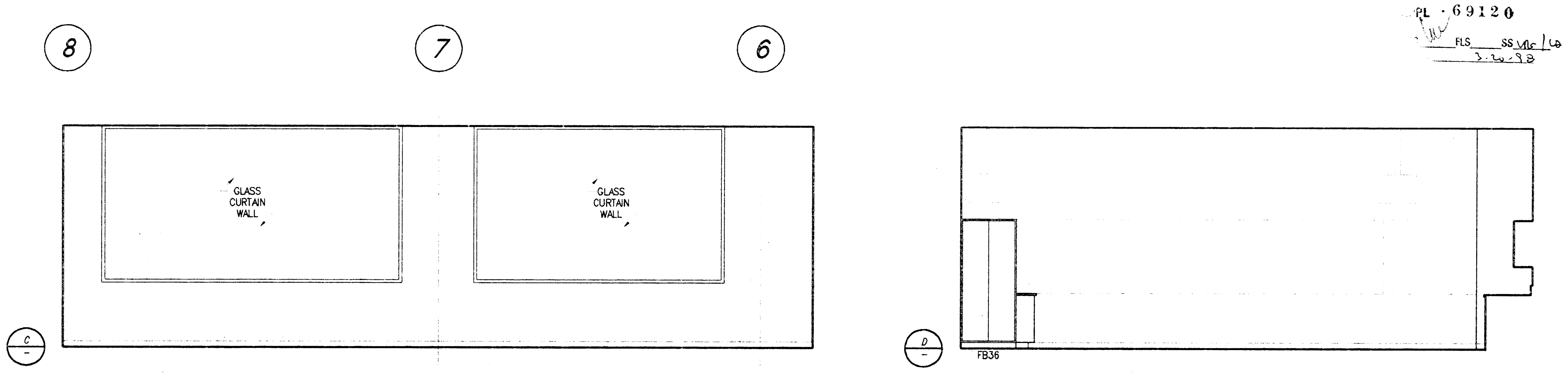


ROOM 104/104B - COLD STORAGE ANTI-ROOM/WALK-IN REFRIGERATOR

1/4"=1'-0"

2
A2.1





ROOM 103 - FLEX LAB CLASSROOM

1/4"=1'-0"

1
A2.1

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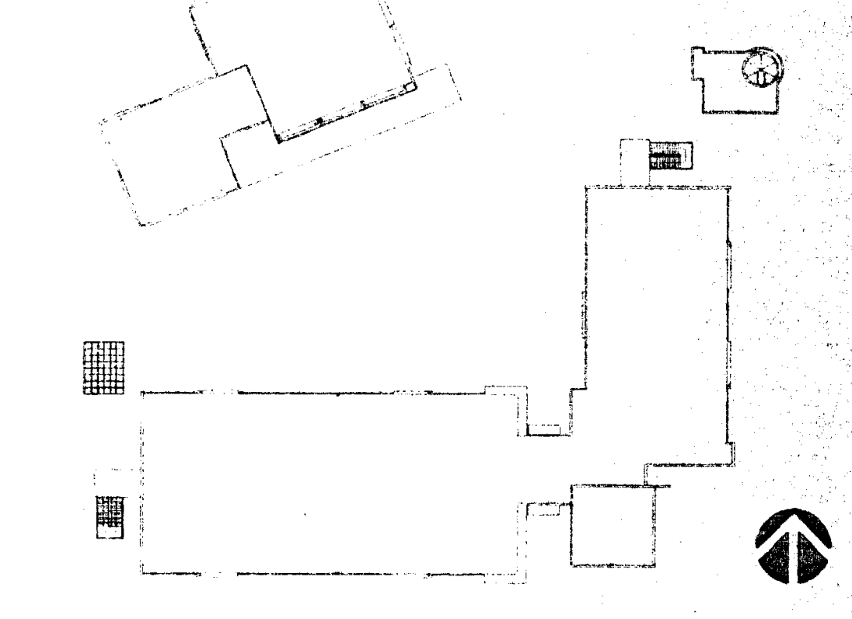

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COMPTON, CALIFORNIA

SHEET TITLE

ENLARGED INTERIOR
ELEVATIONS, LEGENDS,
NOTES + DETAILS

FILE: CMA4-06
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SHEET NO. A4.6
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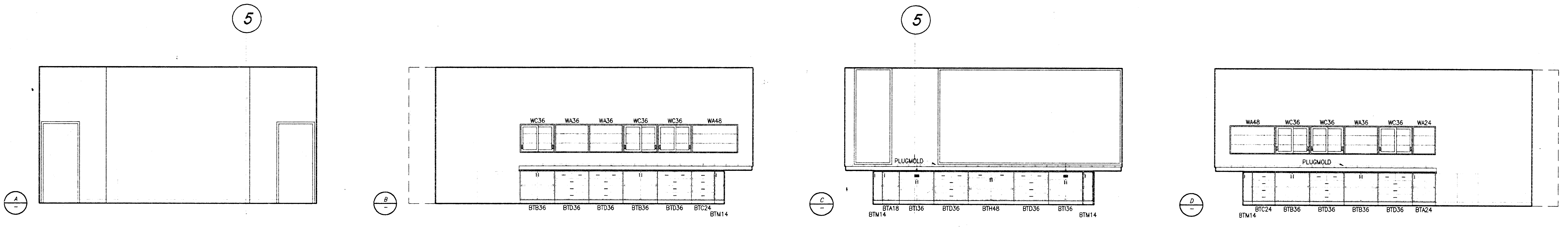
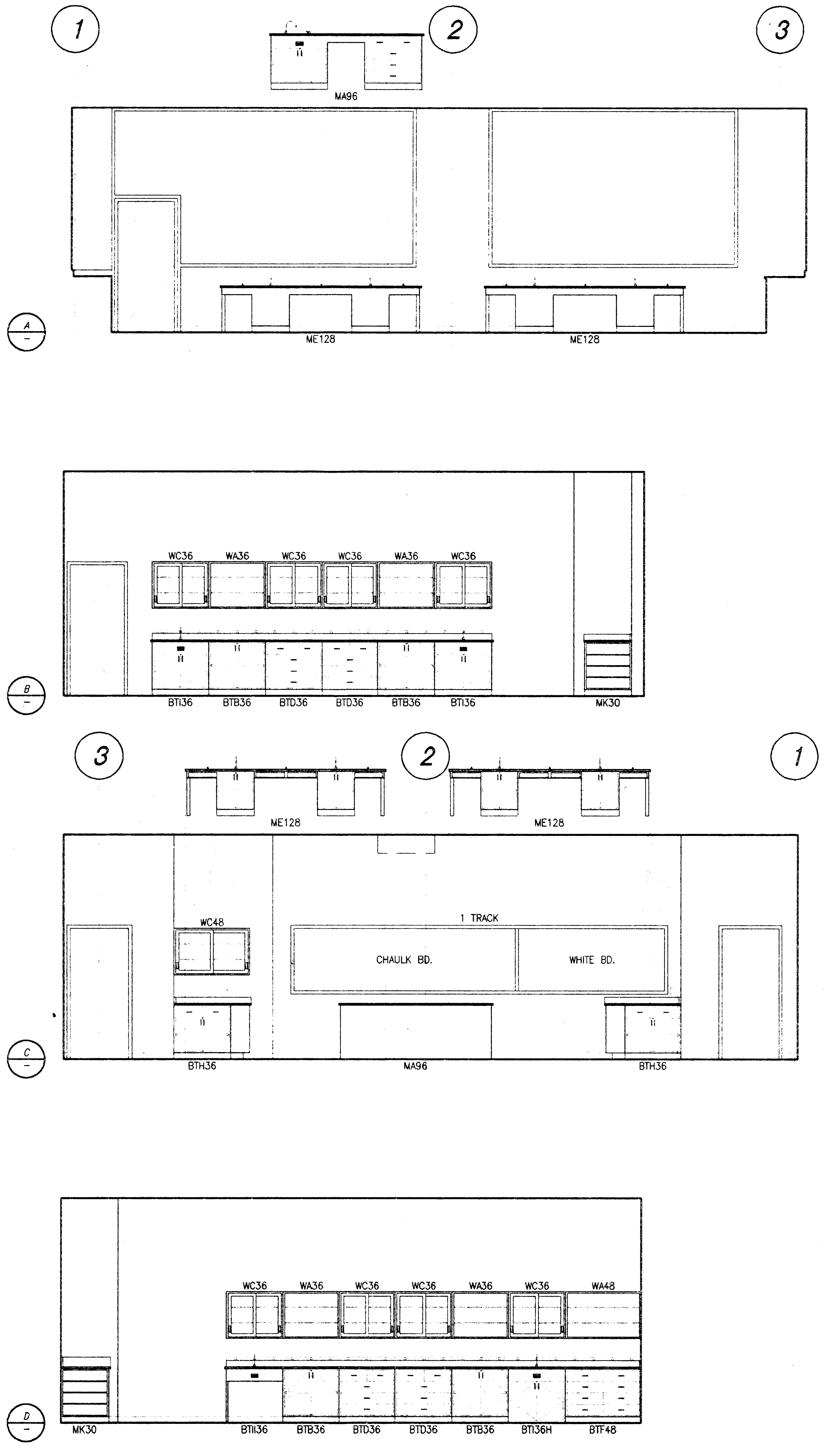
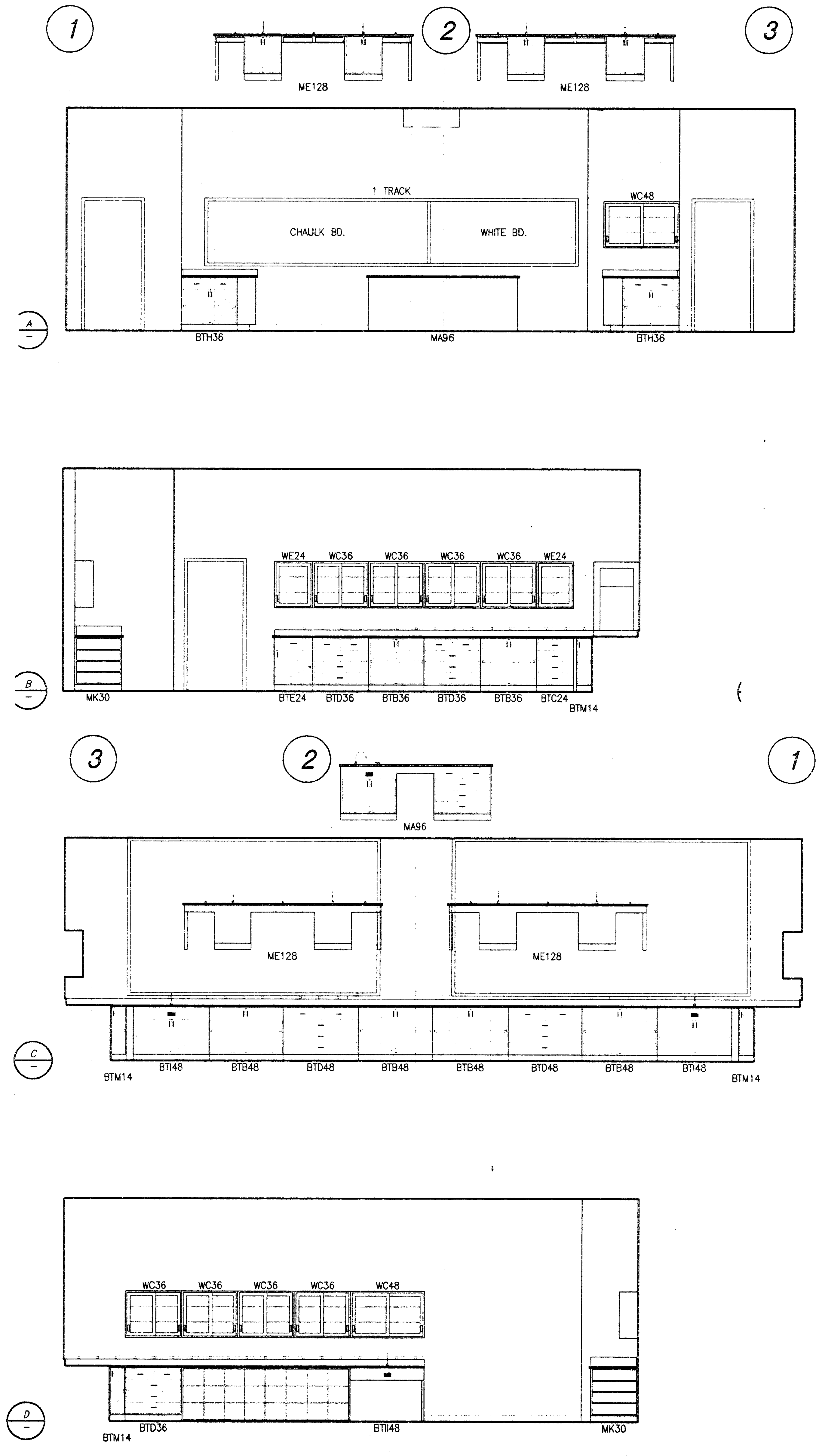
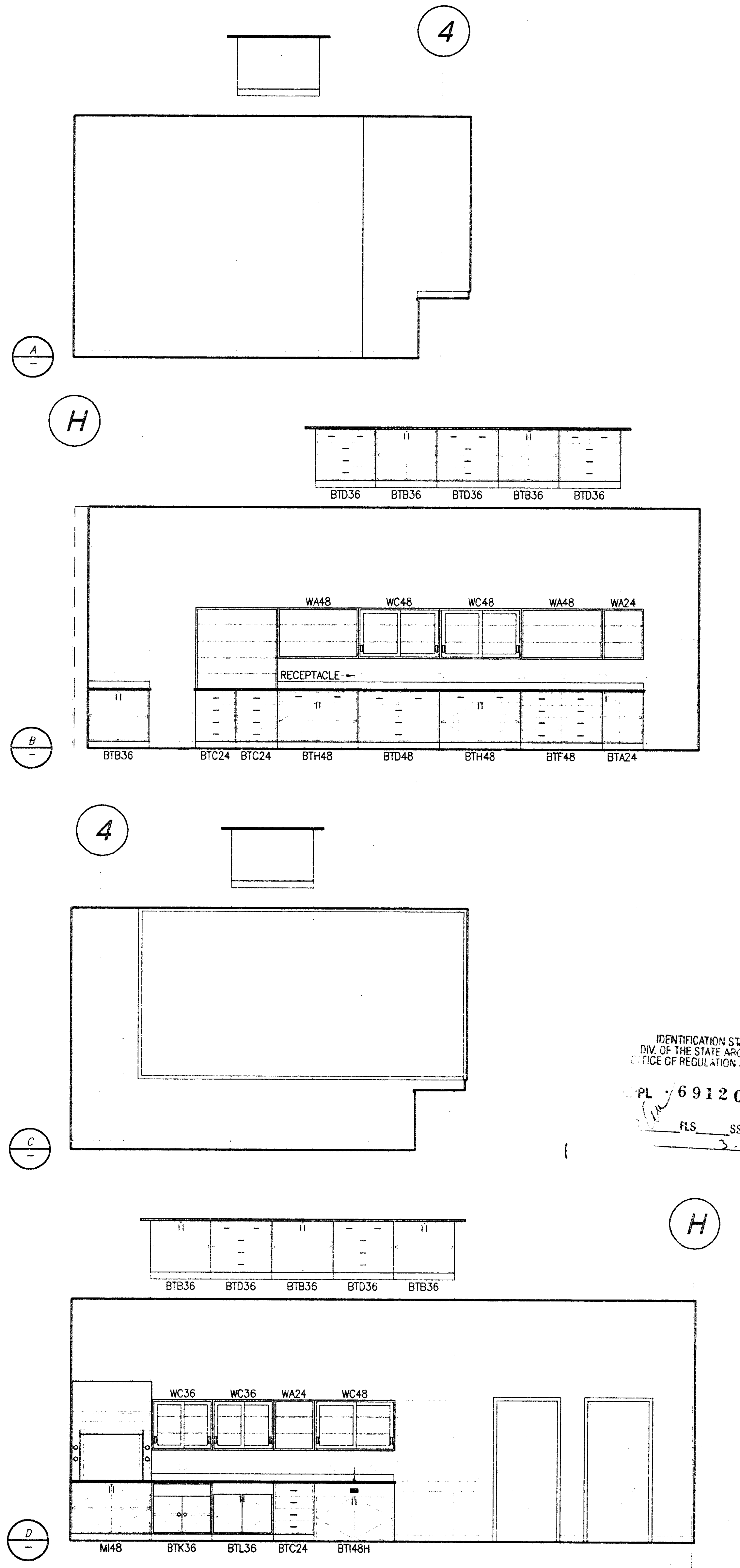


ROOM 105 - SCIENCE TUTORIAL LAB

1/4"=1'-0"
–
1
A2.1







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ROOM 108 - BIOLOGY LAB LIFE SCIENCE

1/4"=1'-0"
–
4
A2.1

ROOM 107 - MICRO-BIOLOGY FLEX LAB CLASS ROOM

1/4"=1'-0"
–
3
A2.1

ROOM 106 - MICRO-BIOLOGY STORAGE

1/4"=1'-0"
–
2
A2.1

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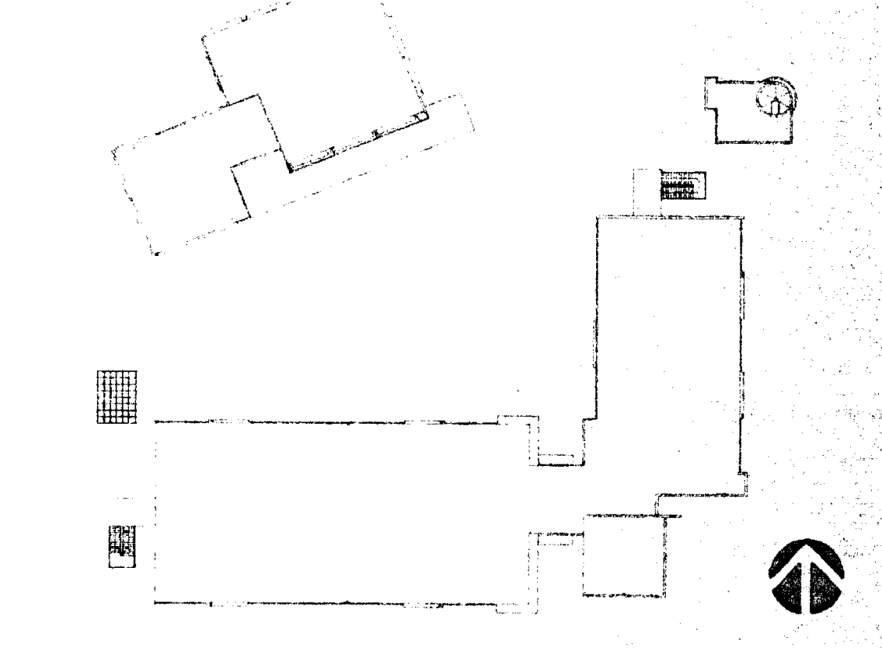
GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

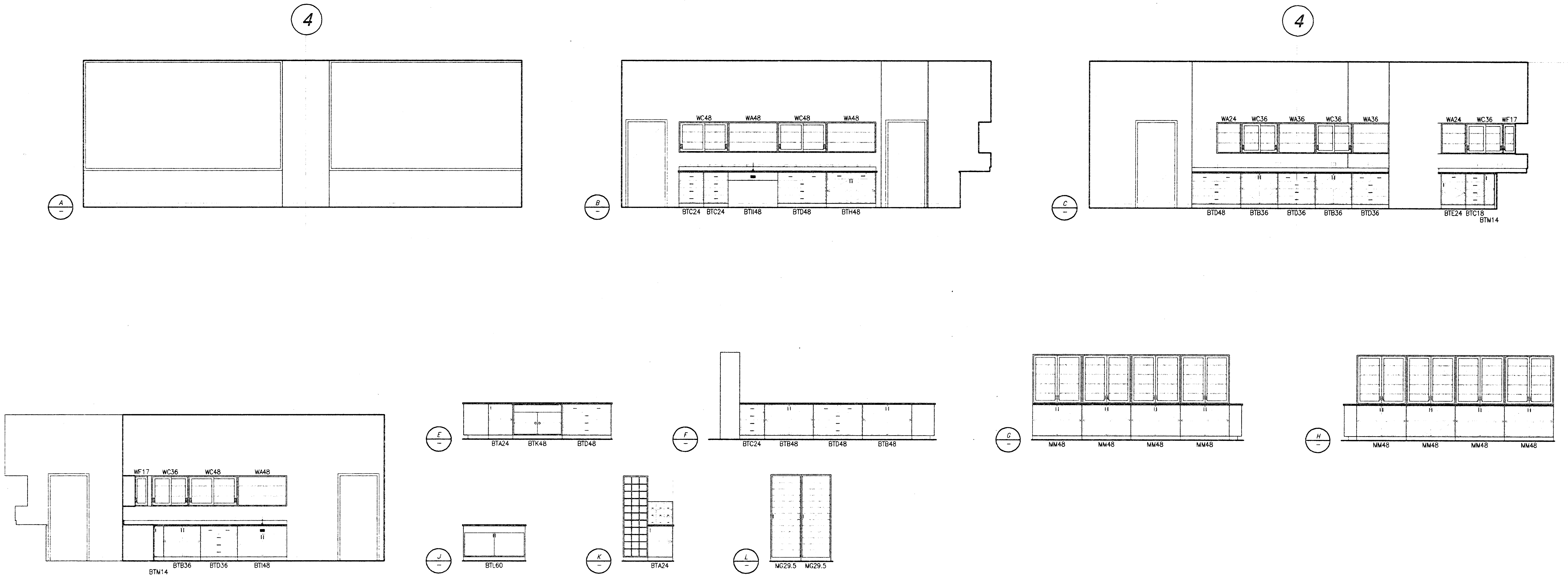
PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
ENLARGED
INTERIOR
ELEVATIONS

FILE: CMA4-07
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO.
A4.7
OF________SHEETS

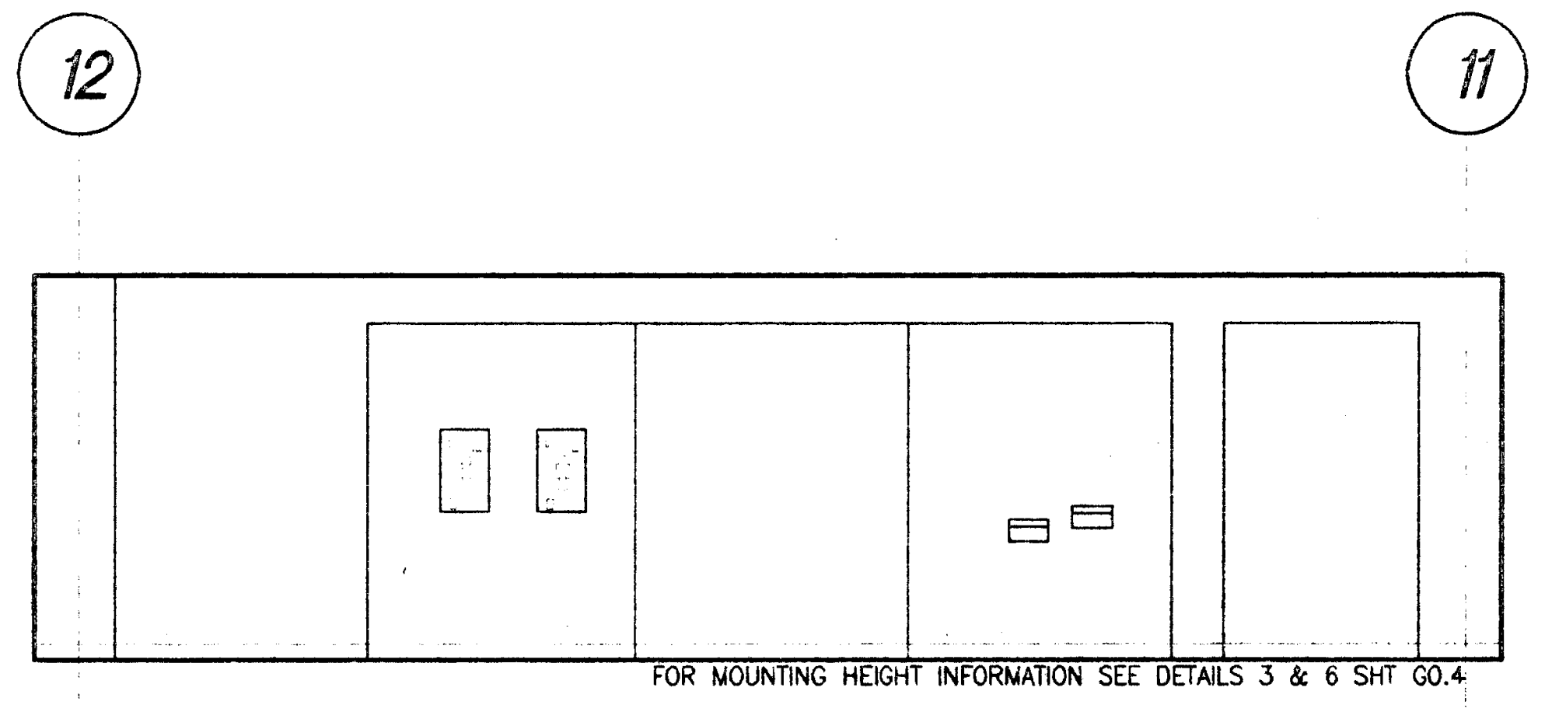


ROOM 109 - LIFE SCIENCE STORAGE

1/4"=1'-0" | 1 | A2.1

ROOM 106 - MICRO BIOLOGY STORAGE CENTER ISLAND

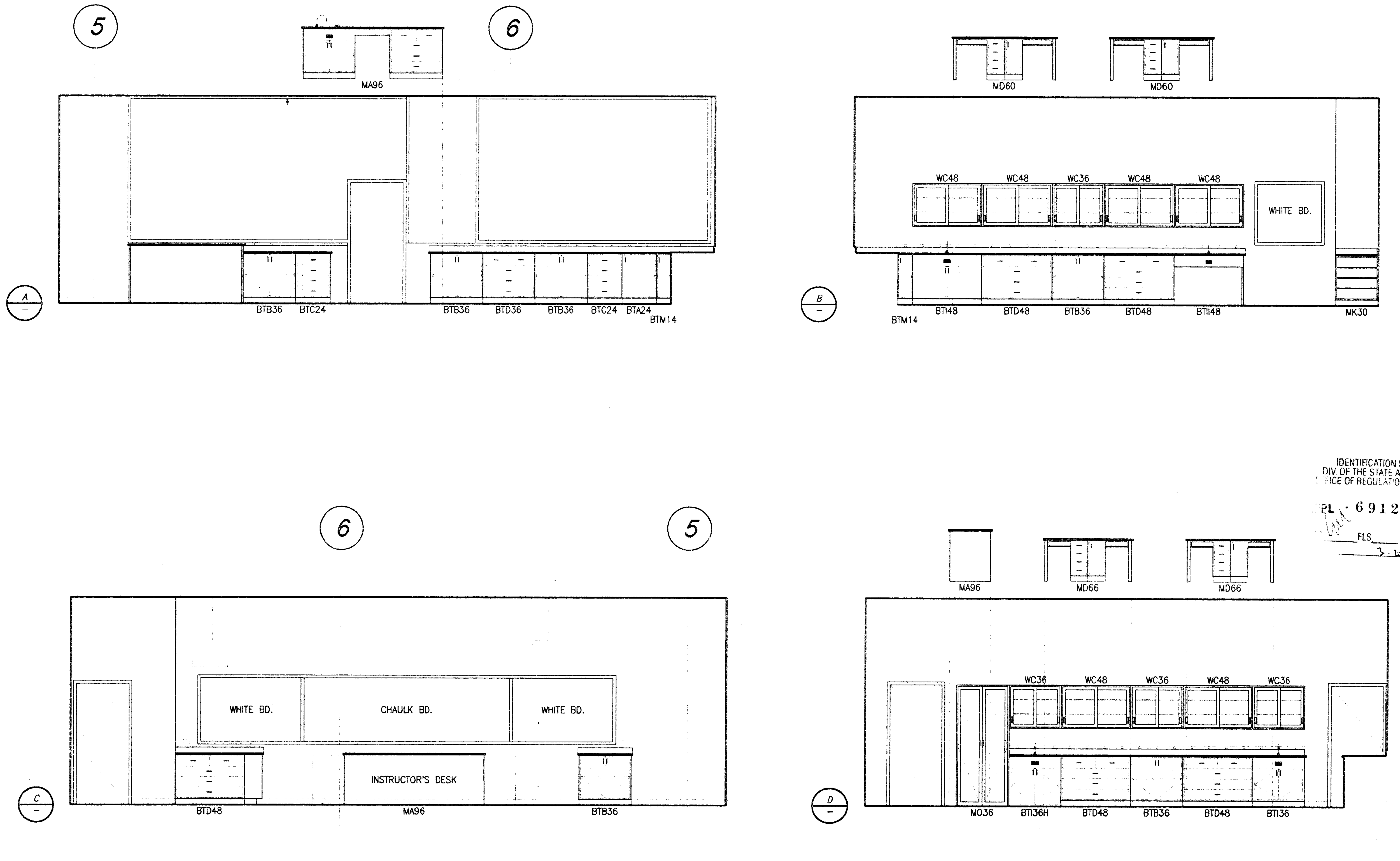
1/4"=1'-0" | 3 | A2.1



FOR MOUNTING HEIGHT INFORMATION SEE DETAILS 3 & 6 SHT G0.4

ROOM 135/ROOM 234 - CORRIDOR/DISPLAY GALLERY • RESTROOM ENTRANCE

1/4"=1'-0" | 4 | A2.1



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ROOM 110 - ANATOMY + PHYSIOLOGY LAB

1/4"=1'-0" | 2 | A2.1

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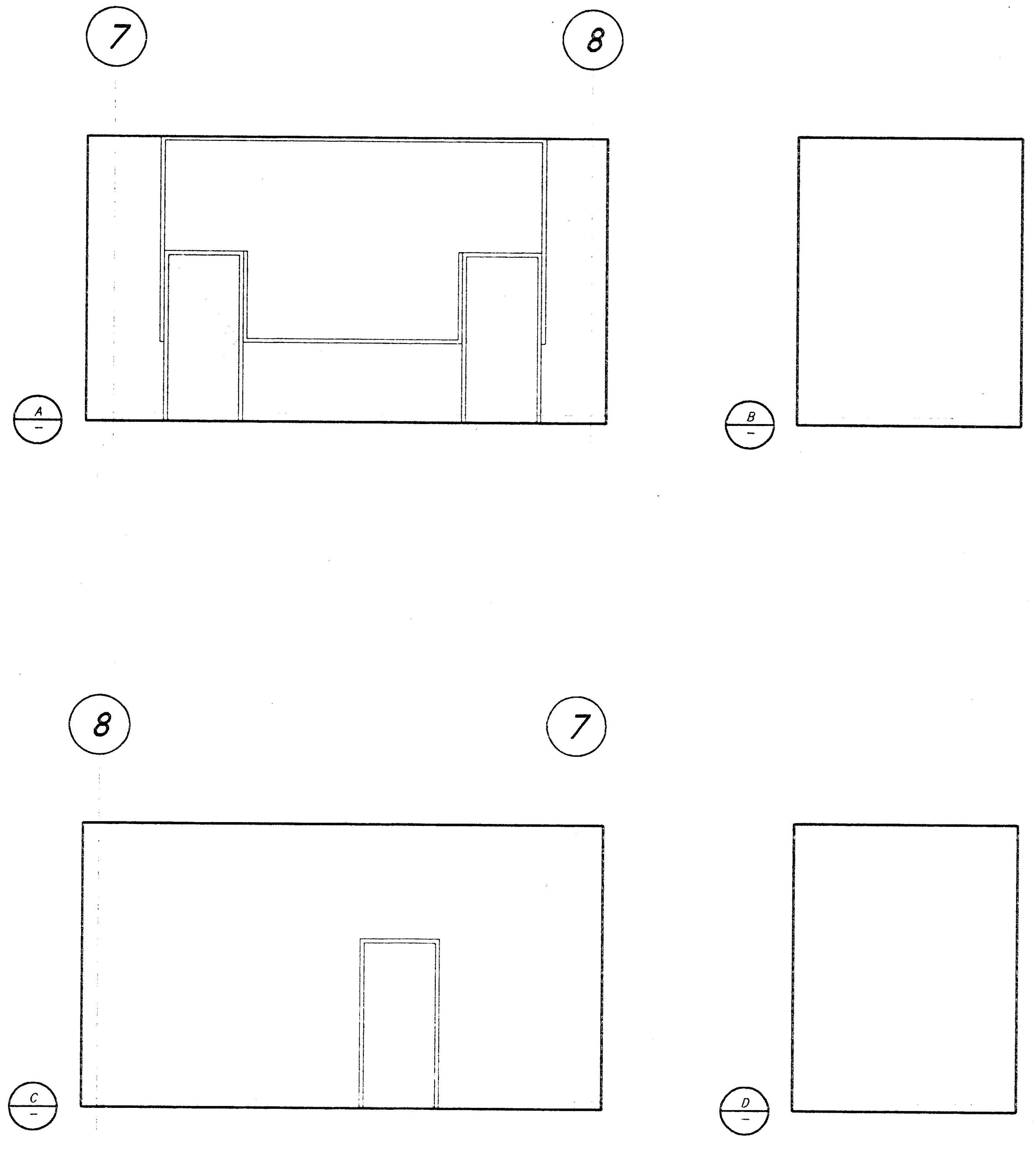
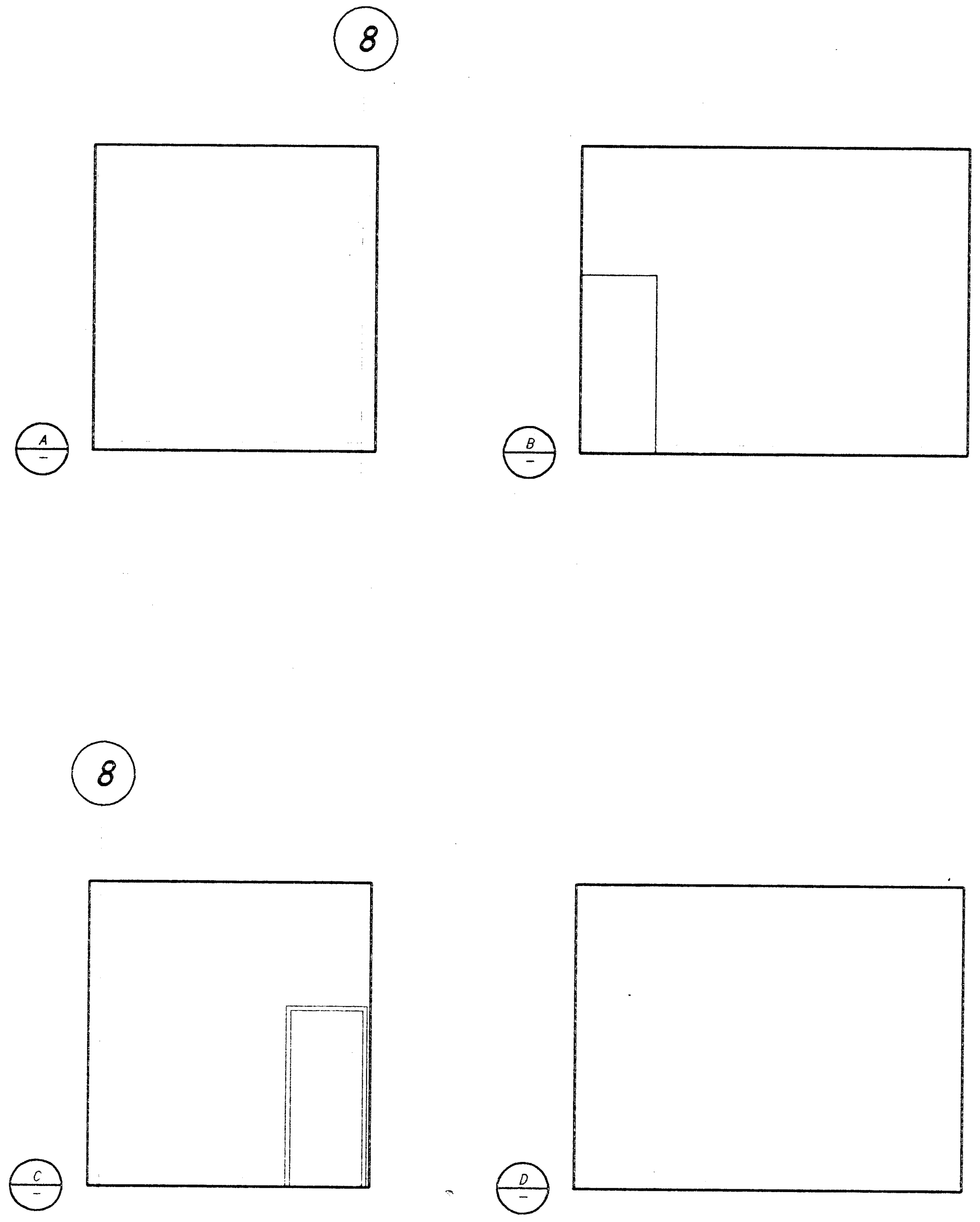
ELEVATIONS

FILE: CMA4-08
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO. A4.8
OF ____ SHEETS



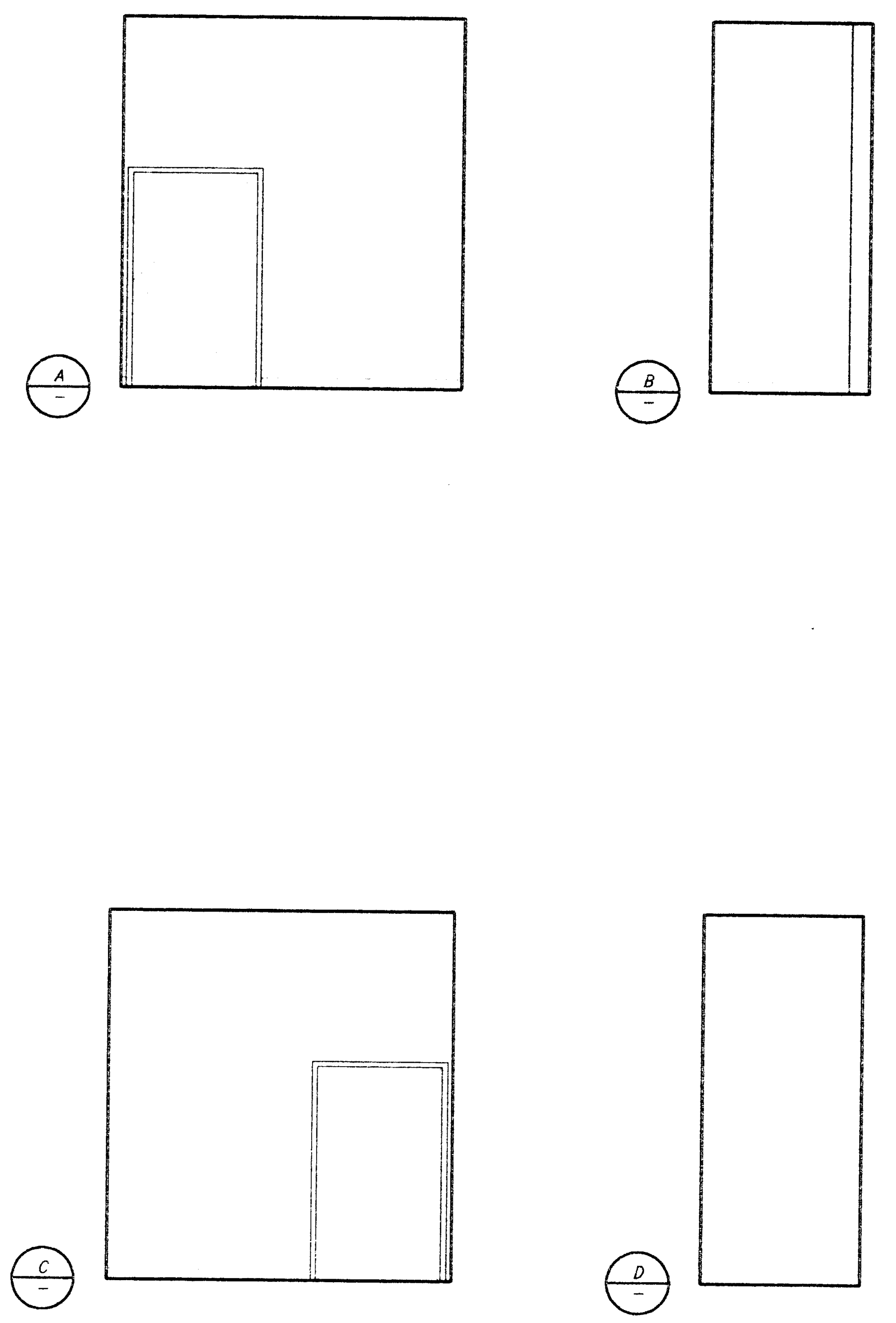
ROOM 114 - ELECTRICAL/TELEPHONE ROOM

1/4"=1'-0"
3
–
A2.1



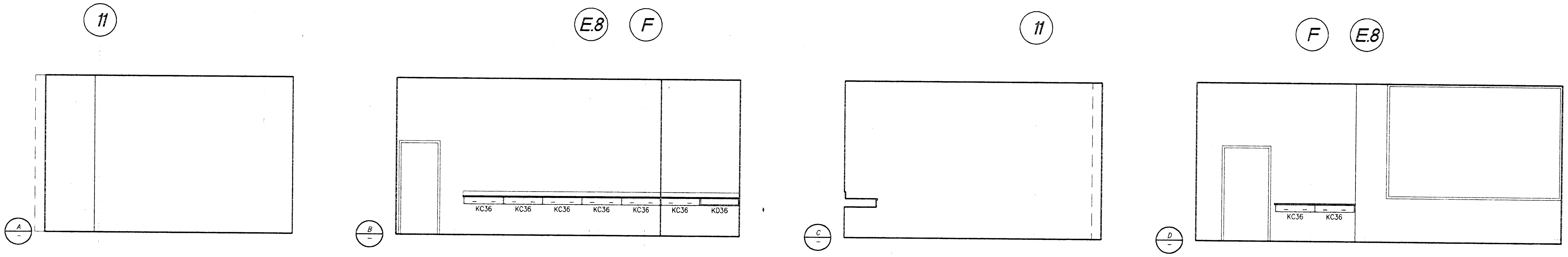
ROOM 113 - MECHANICAL ROOM

1/4"=1'-0"
2
–
A2.1



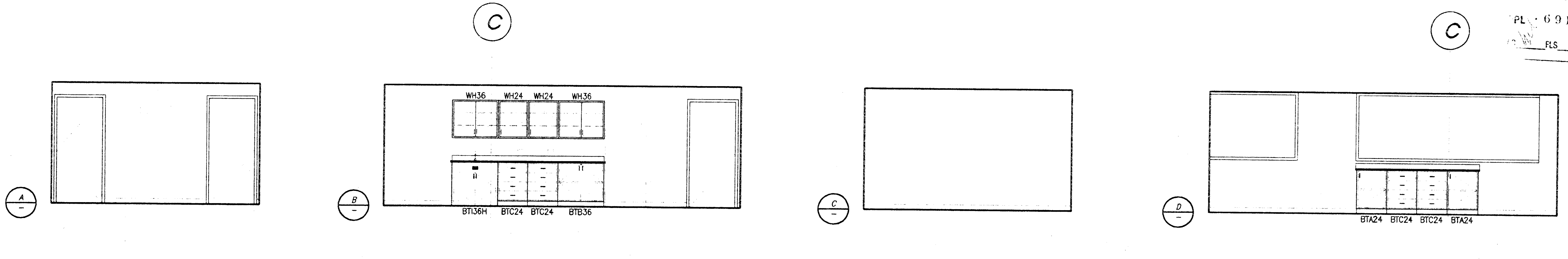
ROOM 112 - ENERGY MANAGEMENT

1/4"=1'-0"
1
–
A2.1



ROOM 115 - MEETING ROOM

1/4"=1'-0"
4
–
A2.1



ROOM 119 - FACULTY LOUNGE

1/4"=1'-0"
5
–
A2.1

PLOT DATE: 02.20.98

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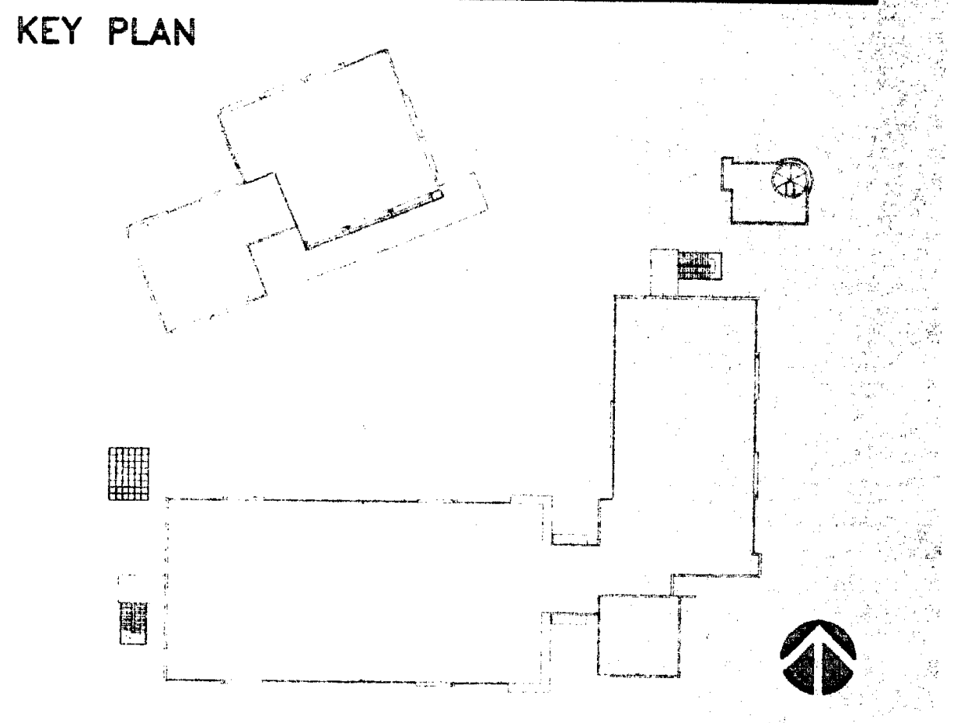

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HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
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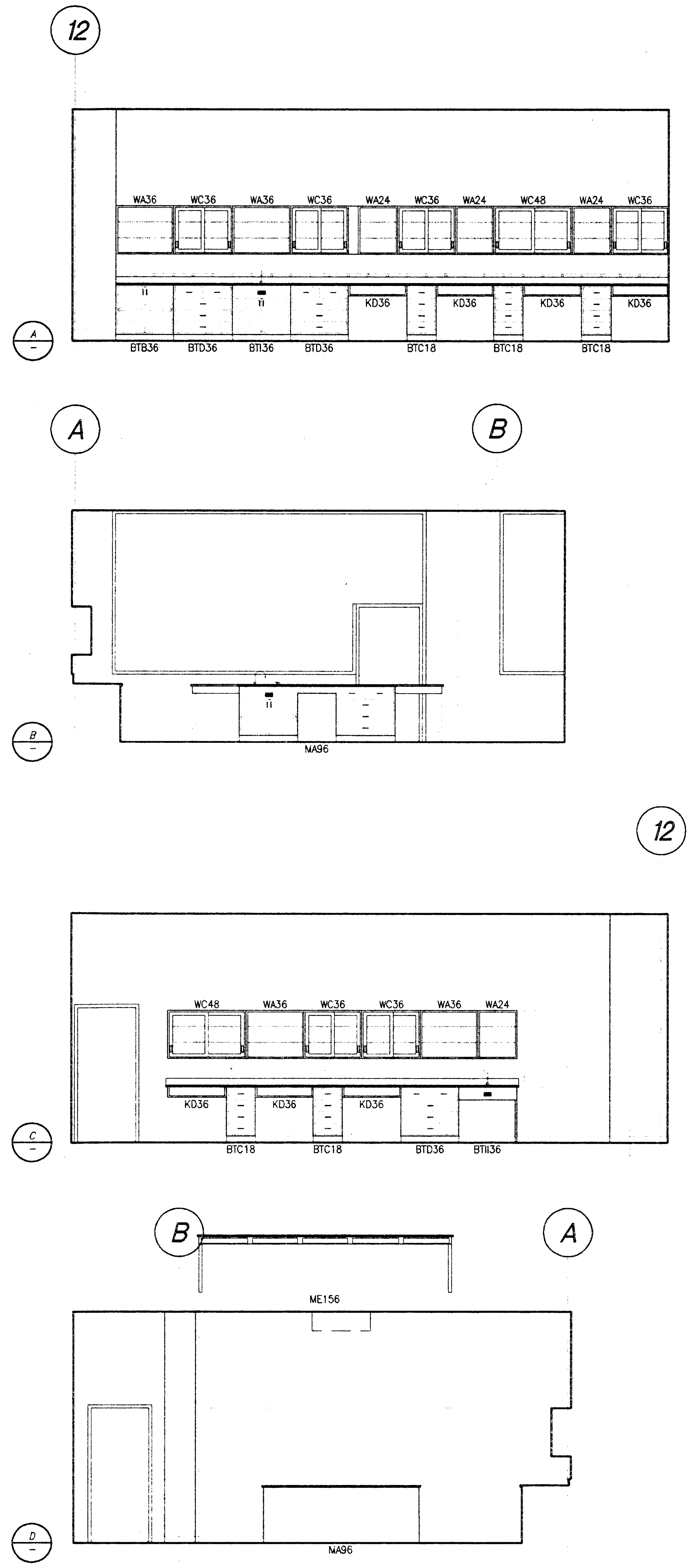
COMPTON, CALIFORNIA

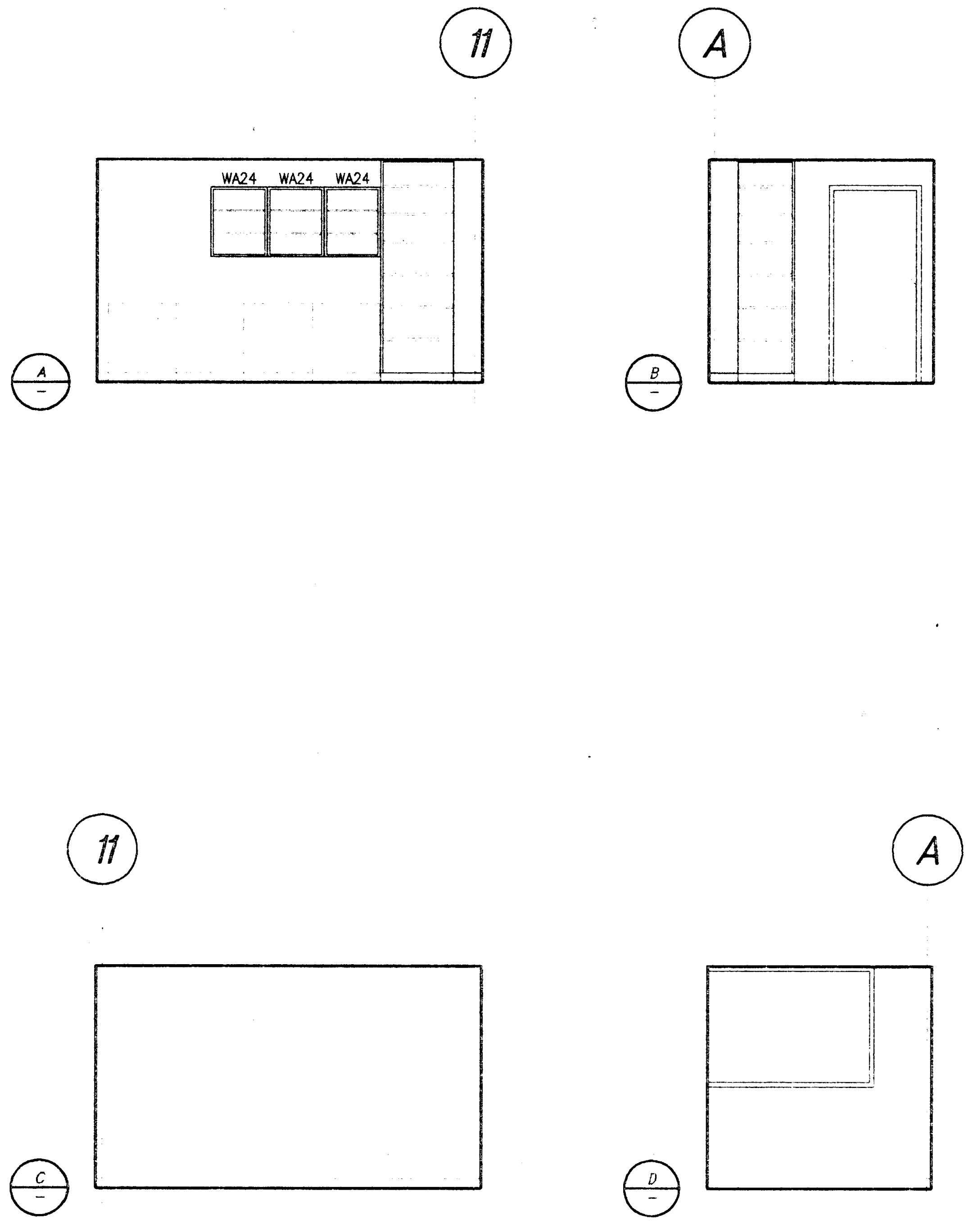
SHEET TITLE
ENLARGED
INTERIOR
ELEVATIONS

FILE: CMA4-09
SCALE 1/4"=1'-0"
JOB NO. JCM
DATE 02.20.98
SHEET NO.
A4.9
OF ____ SHEETS

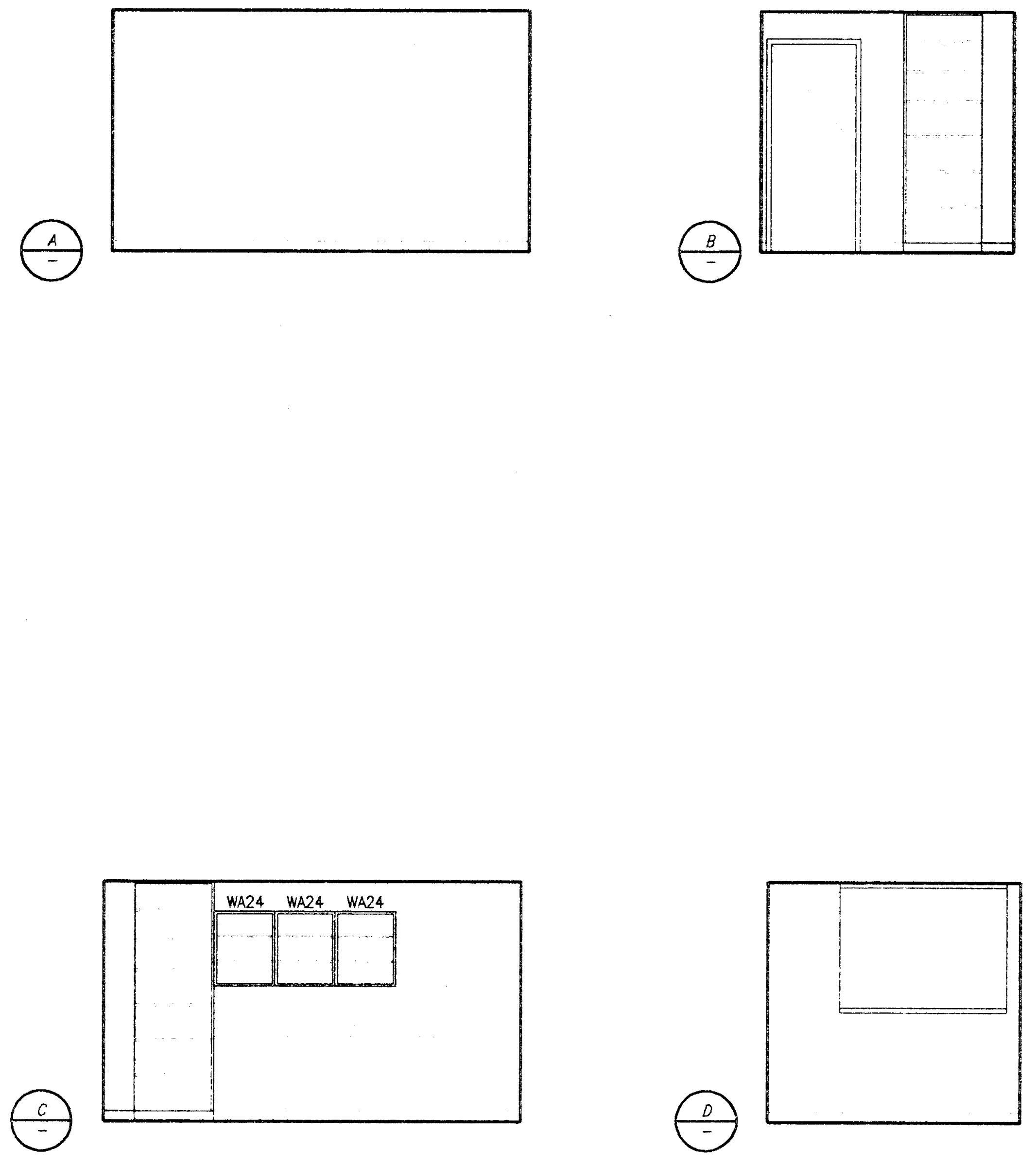


ROOM 126 - PHYSICAL SCIENCE ROOM 1/4"=1'-0" 4 A2.1

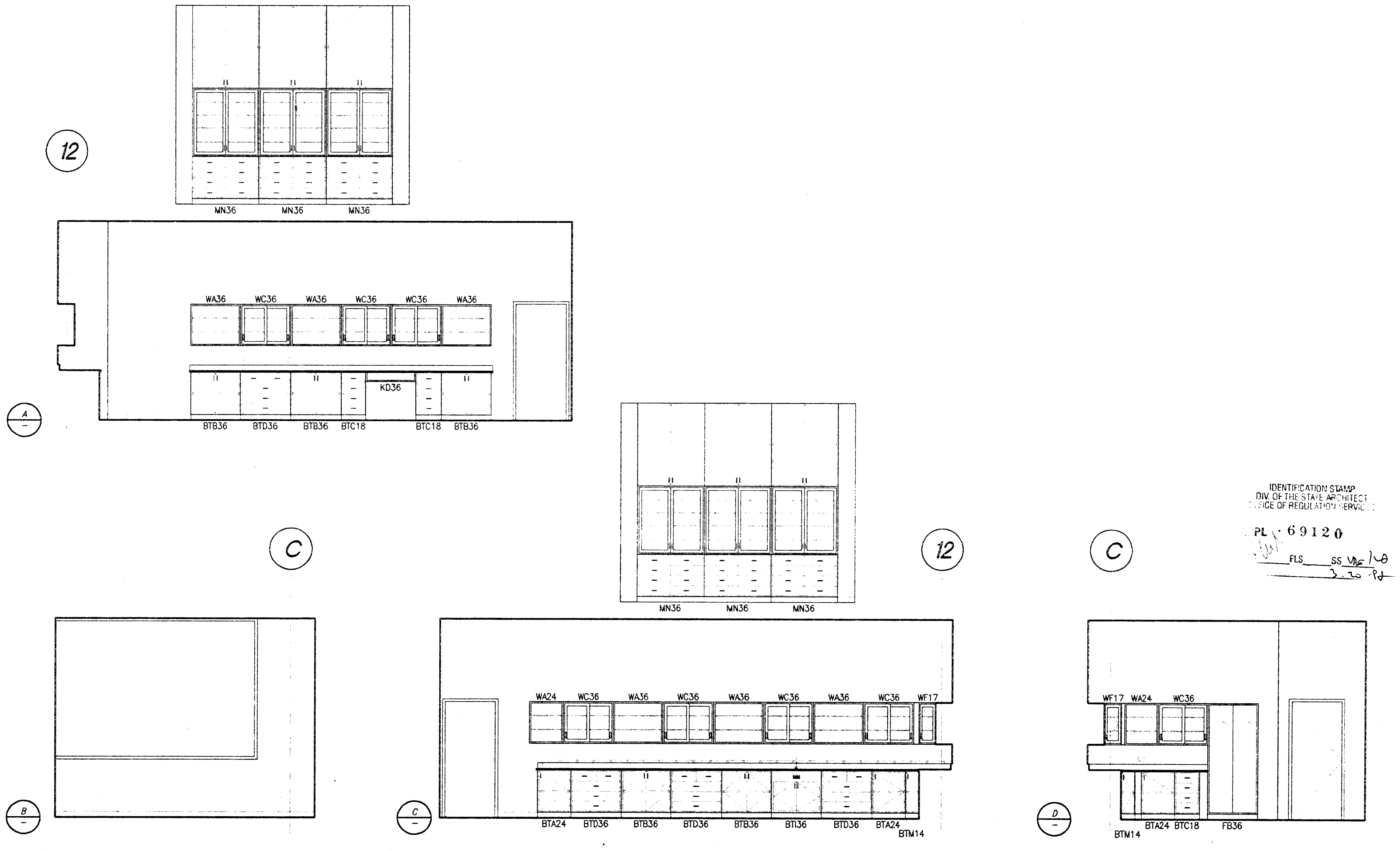
NOT USED 5



ROOM 124 - FACULTY OFFICE 1/4"=1'-0" 2 A2.1



ROOM 123 - FACULTY OFFICE 1/4"=1'-0" 1 A2.1



ROOM 127 - PHYSICS PREP. + STORAGE 1/4"=1'-0" 3 A2.1

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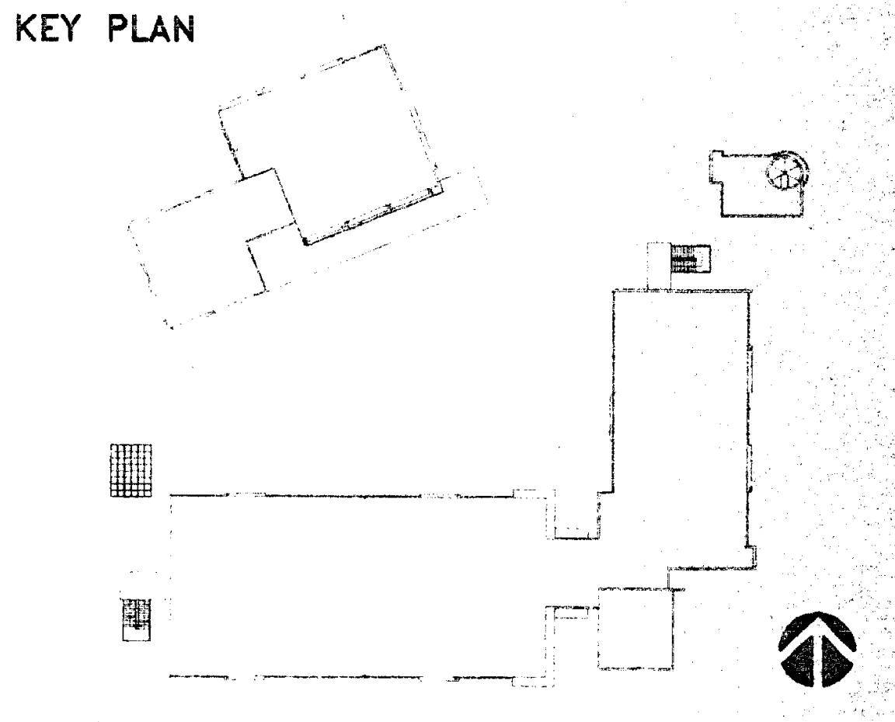

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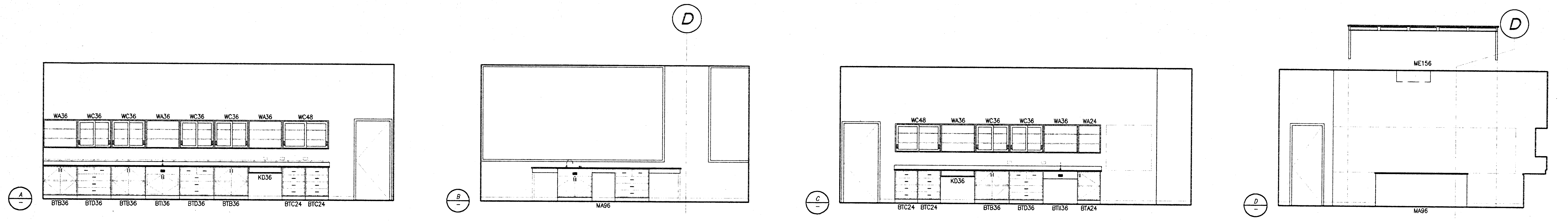
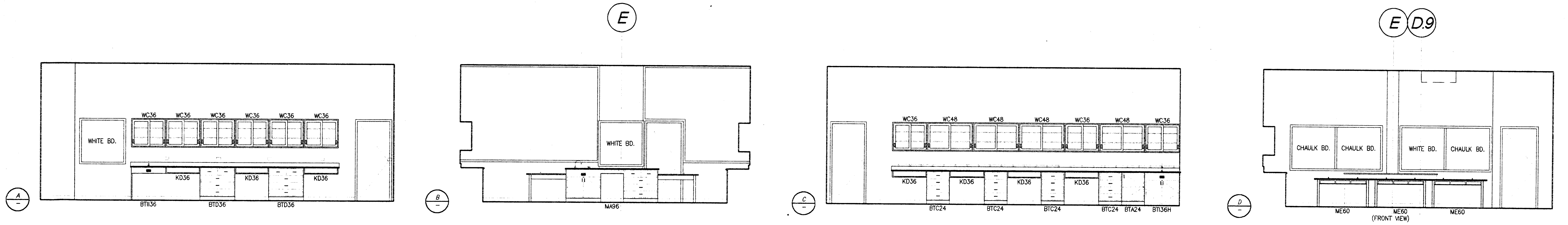
SHEET TITLE
ENLARGED
INTERIOR
ELEVATIONS

FILE: CMA4-10
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO. A4.10
OF ___ SHEETS



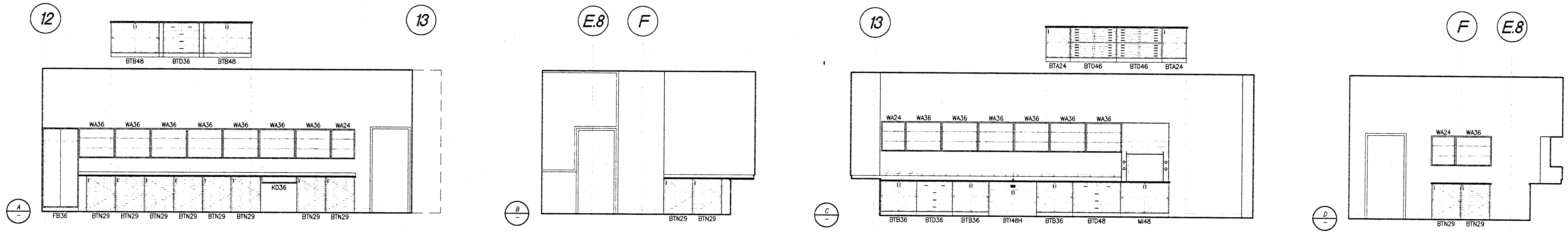
ROOM 128 - PHYSICAL SCIENCE LAB

1/4"=1'-0"
1
A2.1



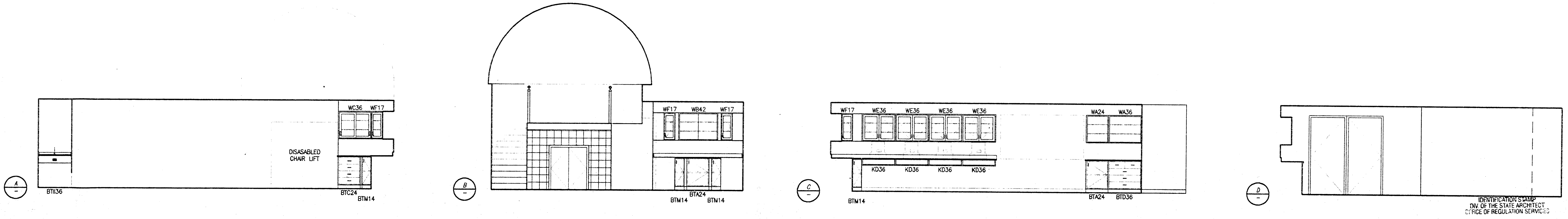
ROOM 129 - GEOLOGY LAB

1/4"=1'-0"
2
A2.1



ROOM 130 - GEOLOGY PREP. + STORAGE

1/4"=1'-0"
3
A2.1



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ROOM 136 - OBSERVATORY

1/4"=1'-0"
4
A2.8

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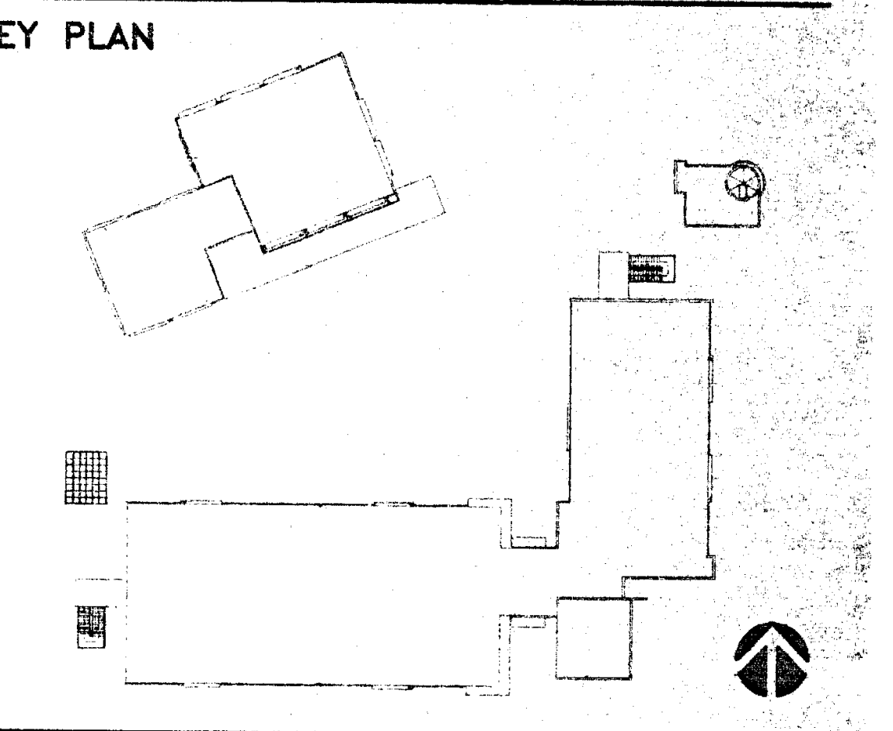
KEY PLAN



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PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
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SHEET TITLE

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INTERIOR
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FILE: CMA4-11
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO. A4.11
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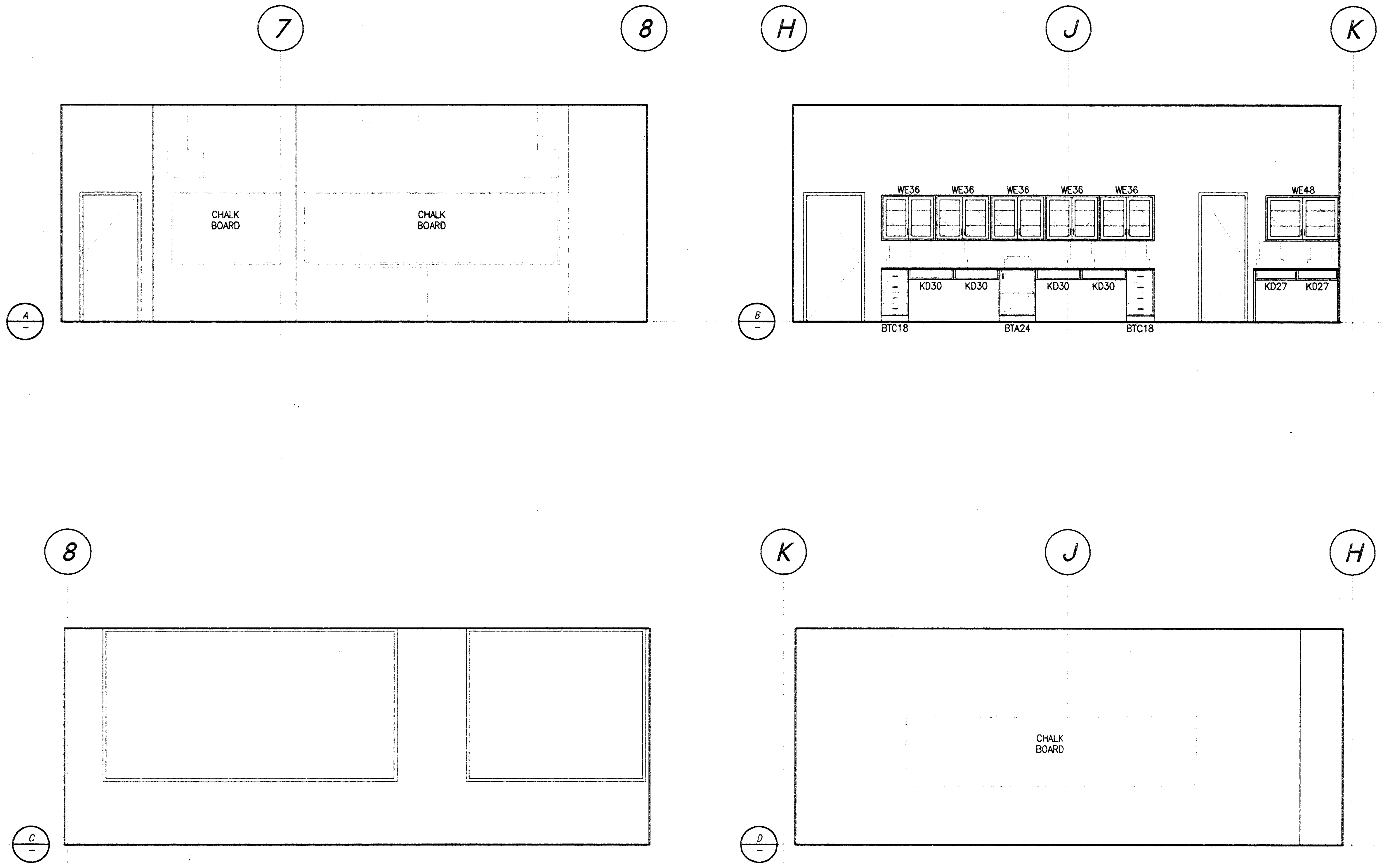
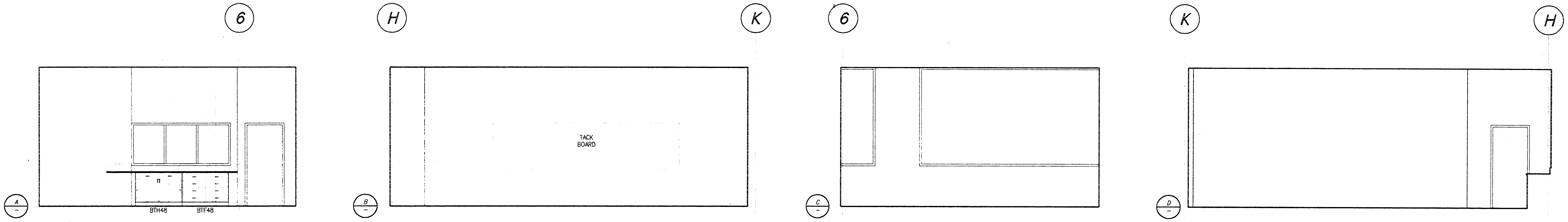


ROOM 202 - FLEX LAB A

1/4"=1'-0"
–
2
A2.2

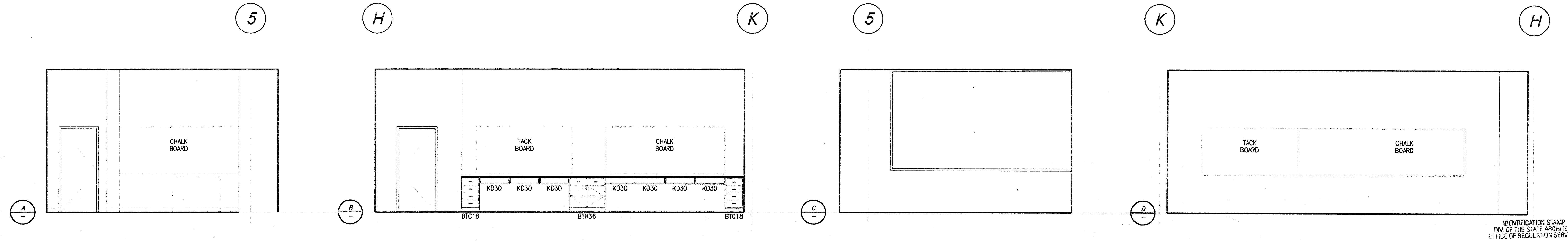
ROOM 201 - ELEVATOR LOBBY

1/4"=1'-0"
–
1
A2.2



ROOM 203 - COMPUTER SCIENCE LAB

1/4"=1'-0"
–
3
A2.2



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ROOM 204 - FLEX LAB CLASSROOM

1/4"=1'-0"
–
4
A2.2

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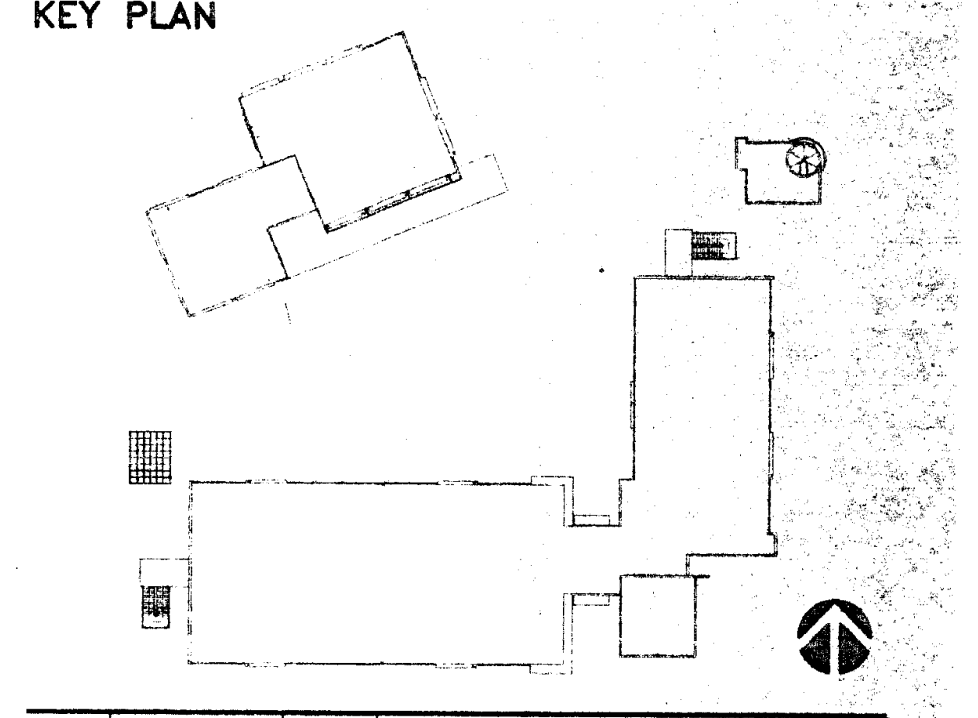

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FILE: CMA4-12
SCALE 1/8"=1'-0"
JOB NO. JGM
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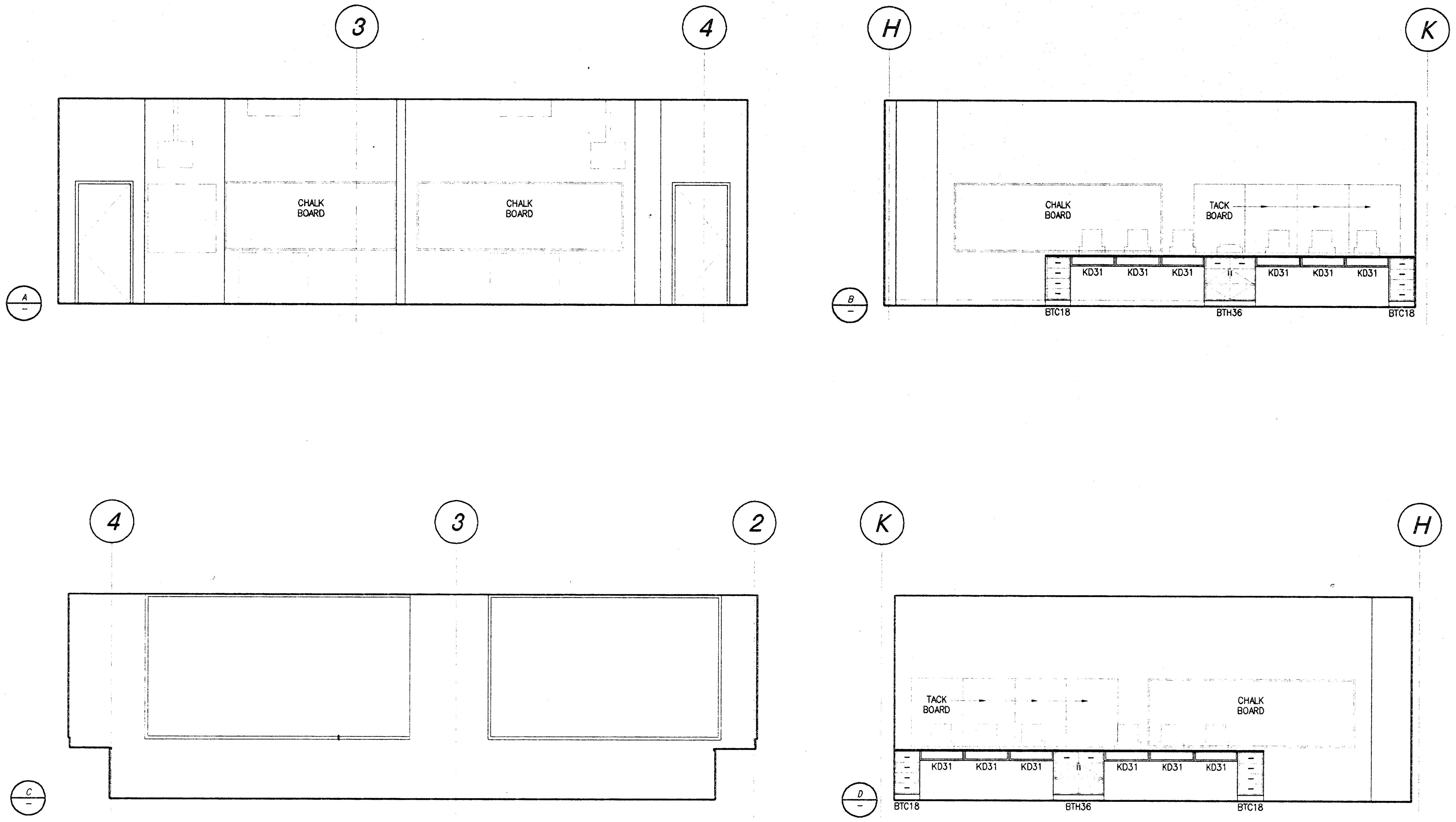
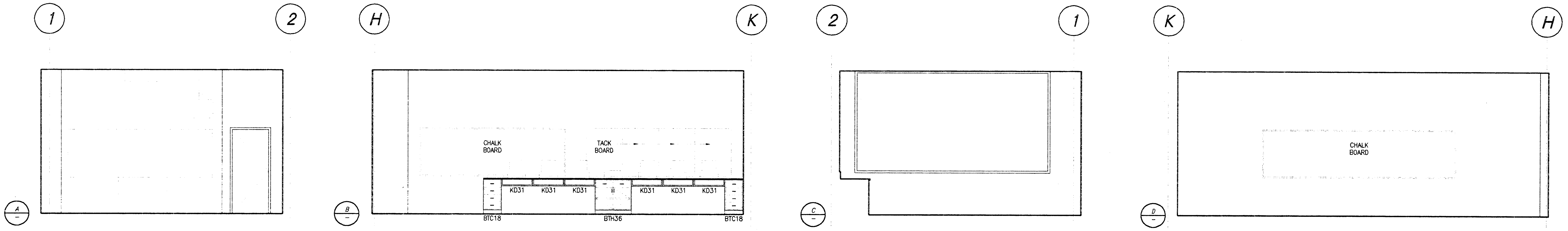
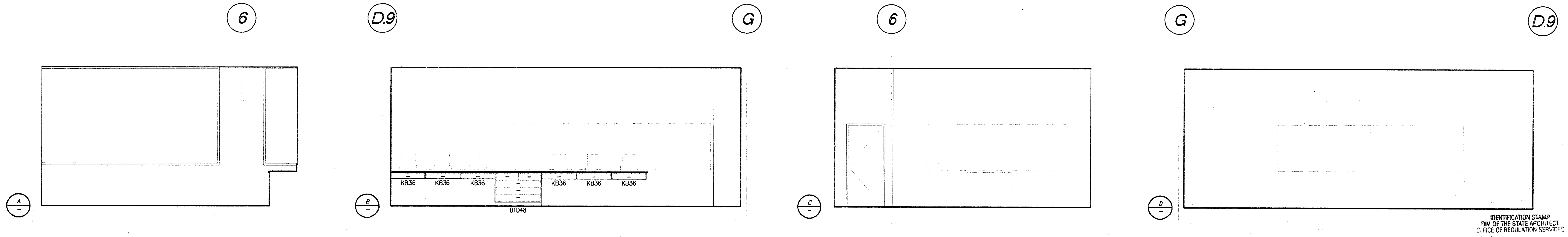


ROOM 202B - FLEX LAB STORAGE 1/4"=1'-0" 2 — A2.2

ROOMS 205 + 206 - FLEX LAB CLASSROOMS (W/ MOVEABLE PARTITION RETRACTED) 1/4"=1'-0" 1 — A2.2



ROOM 207 - FLEX LAB CLASSROOM 1/4"=1'-0" 3 — A2.2



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ROOM 208 - FLEX LAB CLASSROOM 1/4"=1'-0" 4 — A2.2

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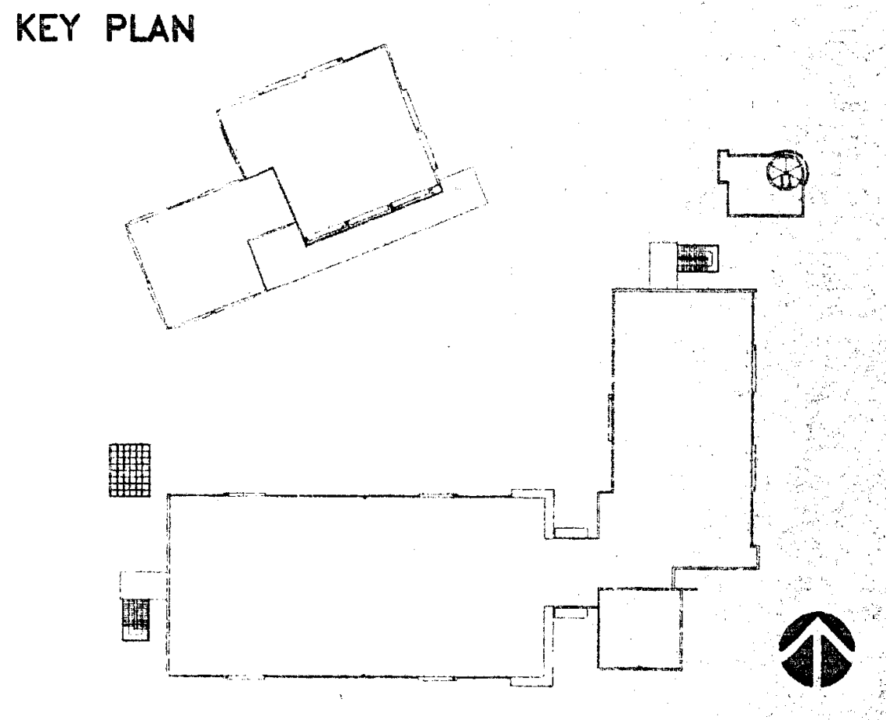

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PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

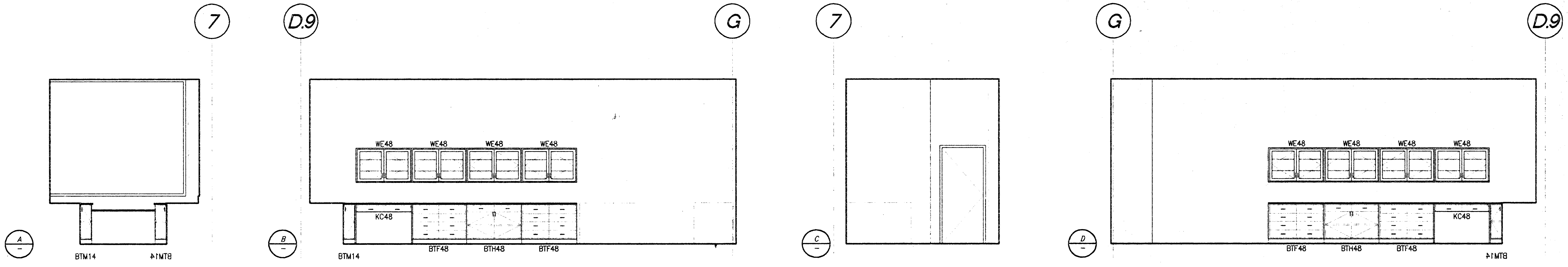
SHEET TITLE

ENLARGED
INTERIOR
ELEVATIONS

FILE: CMA4-13
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98

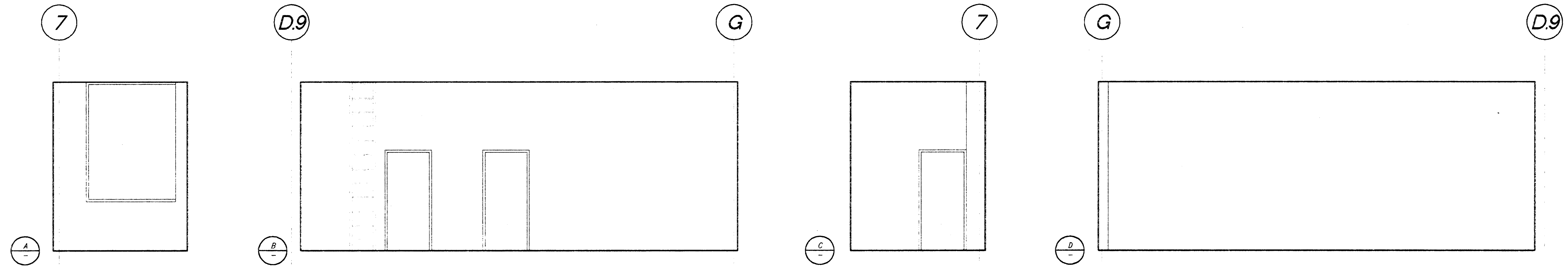
SHEET NO.
A4.13
OF ____ SHEETS

PLOT DATE: 03.17.98



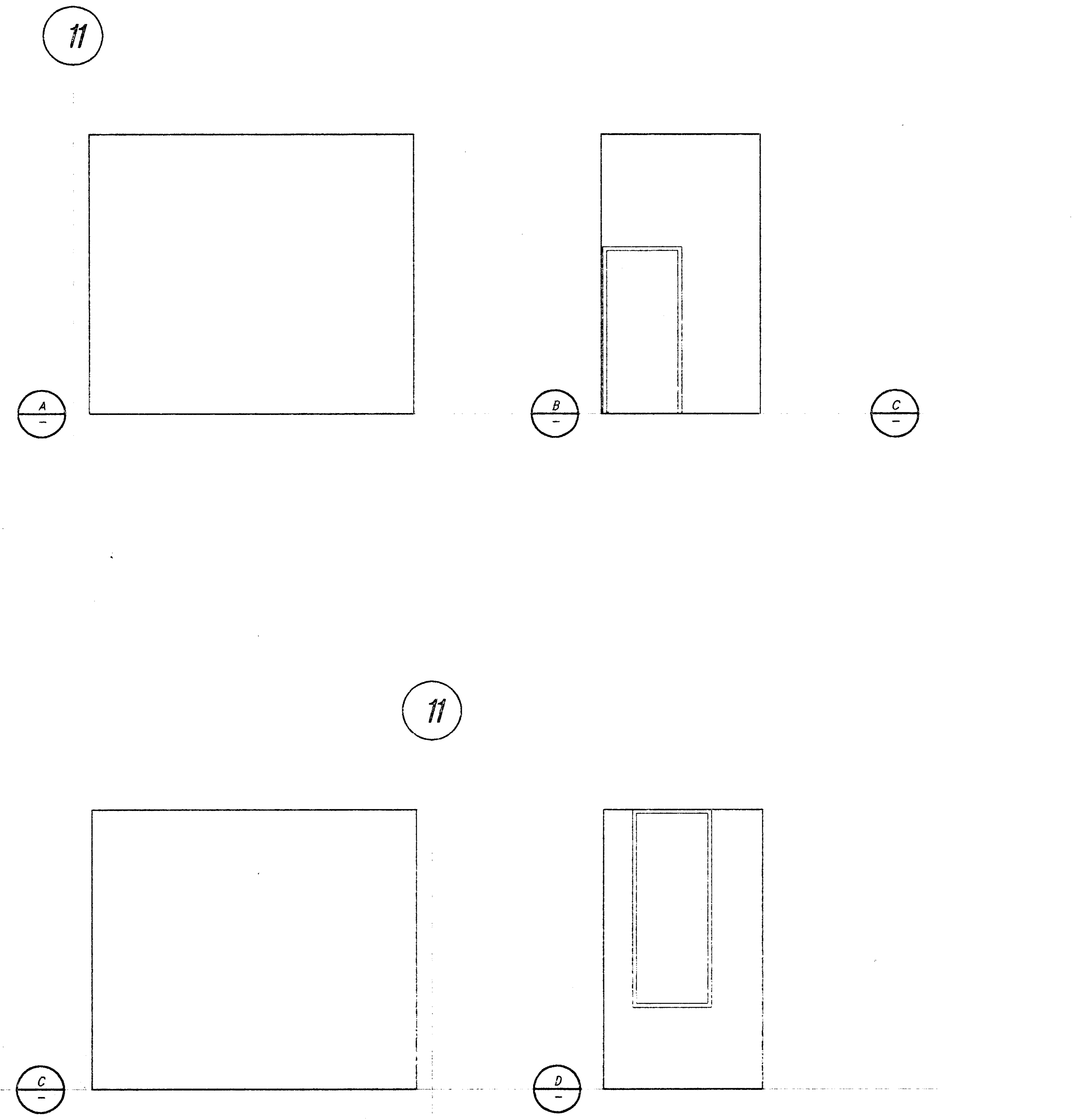
ROOM 213 - MATH STORAGE

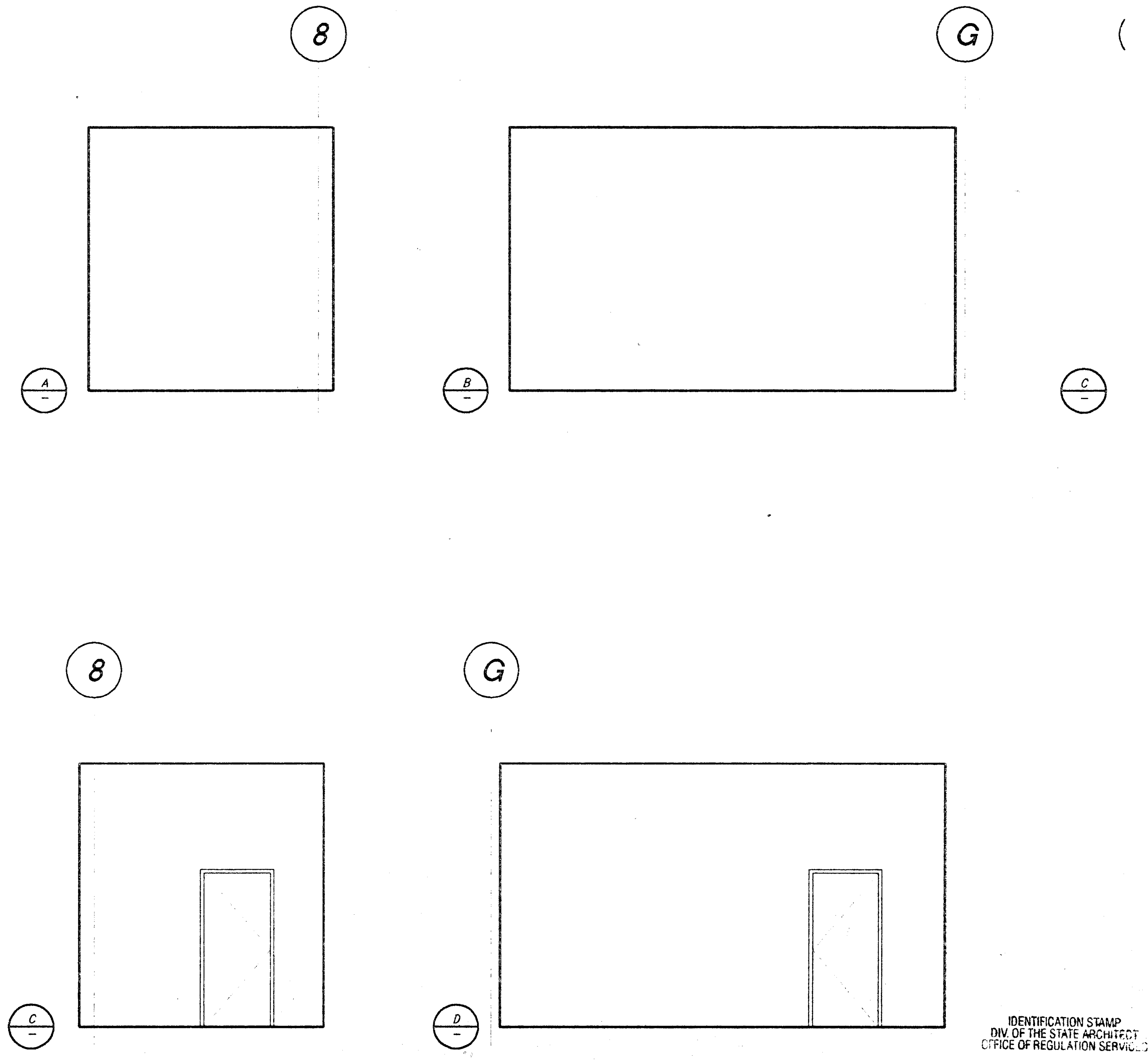
1/4"=1'-0"
1
A2.2



ROOM 214 - SERVER ROOM

1/4"=1'-0"
2
A2.2





PLOT DATE: 03.06.98

ROOM 217 - ELEC/TEL ROOM

1/4"=1'-0"
4
A2.2

ROOM 216 - MECHANICAL ROOM

1/4"=1'-0"
CONTROL
3
A2.2

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
APPL · 69120
AC ___ FLS ___ SS ___
3-20-98

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DRAWN
CHECKED DJ\DS\DS
APPROVED MGR

CONSULTANT

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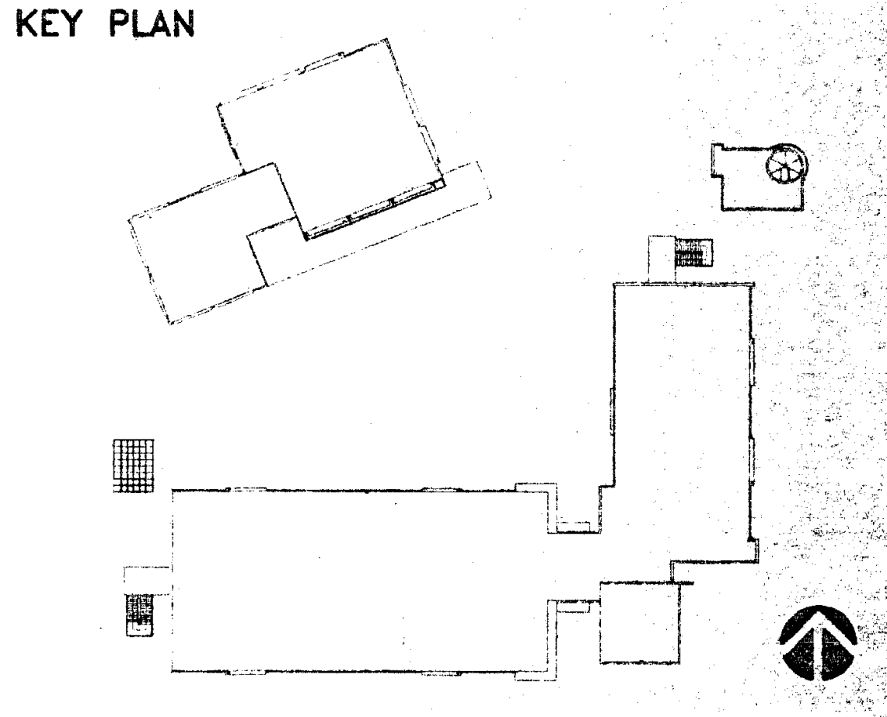
SEAL
MORRIS R. POINDEXTER
C-13900
3-31-99

GENERAL NOTES:

KEY PLAN



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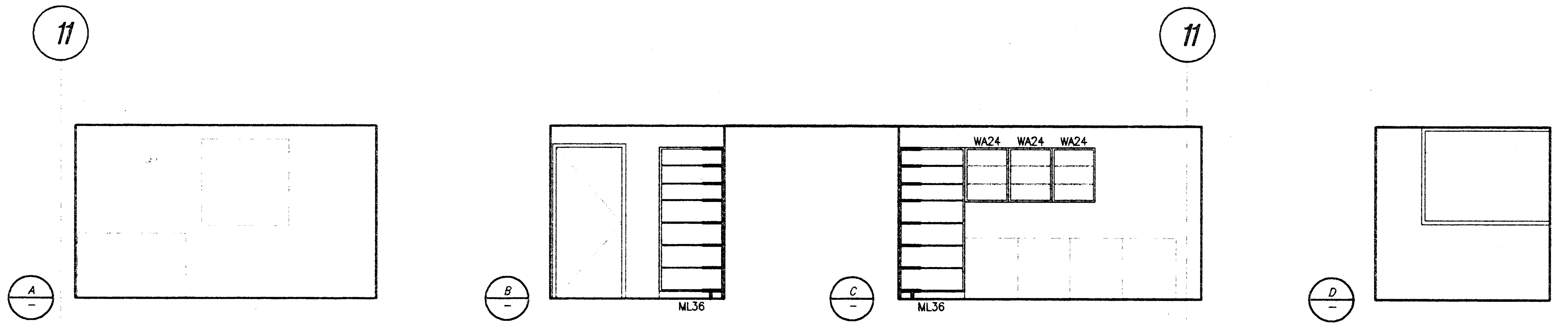
COMPTON, CALIFORNIA

SHEET TITLE
ENLARGED
INTERIOR
ELEVATIONS

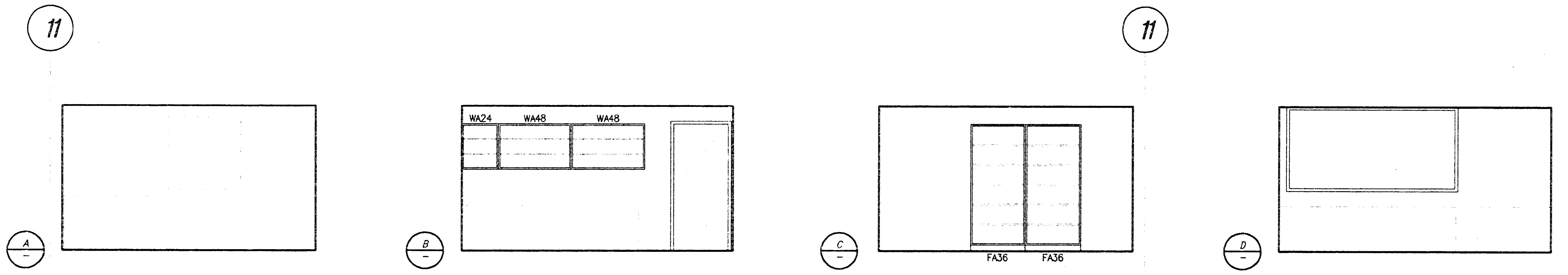
FILE: CMA4-14
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98

SHEET NO.
A4.14
OF ______ SHEETS



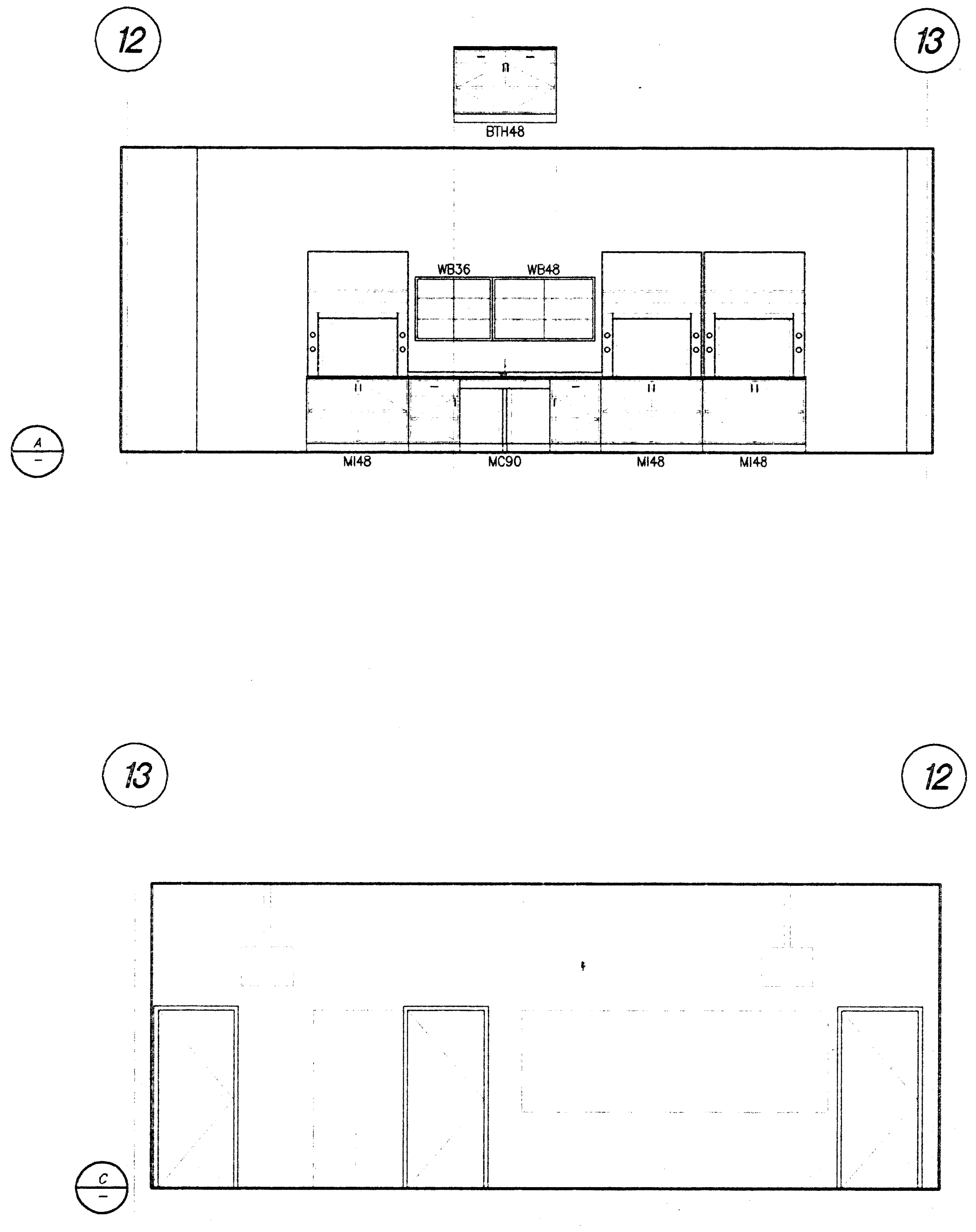
ROOM 224 - FACULTY OFFICE

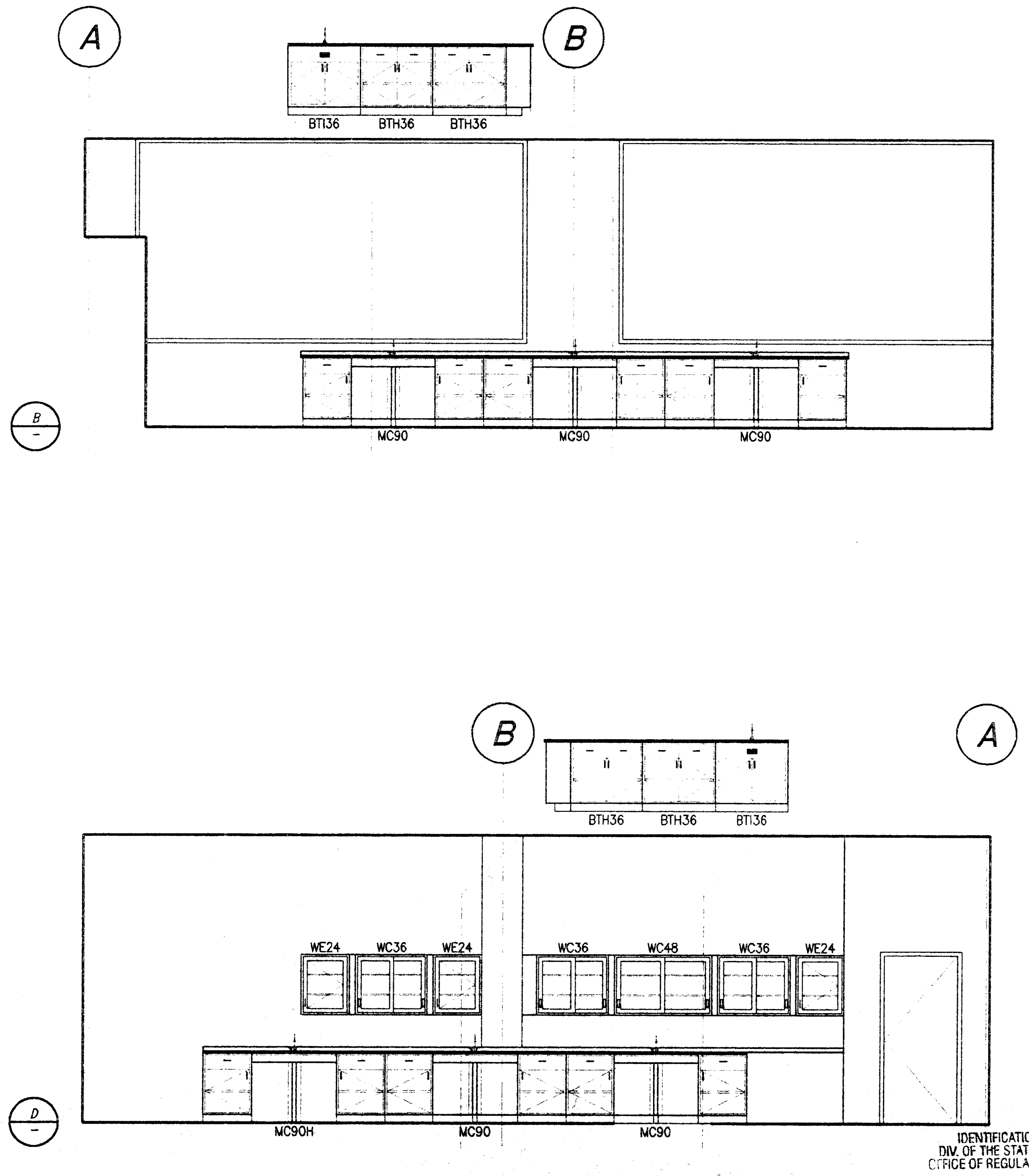
1/4"=1'-0" 1
— A2.2



ROOM 225 - DIVISION CHAIR OFFICE

1/4"=1'-0" 2
— A2.2





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3-20-98

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ROOM 235 - DISTILLED WATER ROOM

1/4"=1'-0" 4
— A2.2

ROOM 228 - CHEMISTRY LAB CLASSROOM A

1/4"=1'-0" 3
— A2.2

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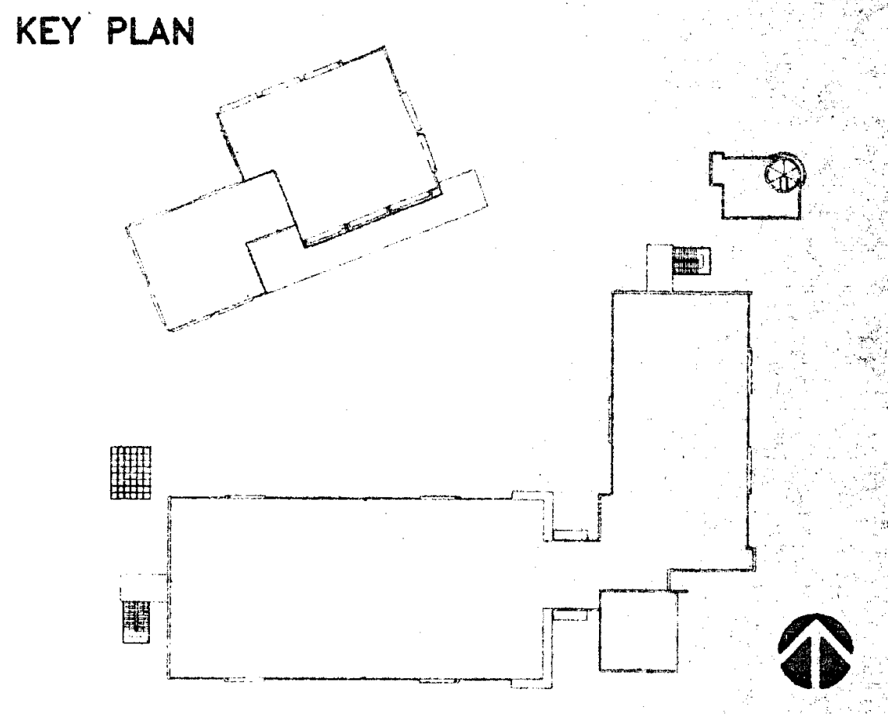
SEAL

MORRIS R. POINDEXTER
3-31-99

GENERAL NOTES:

KEY PLAN



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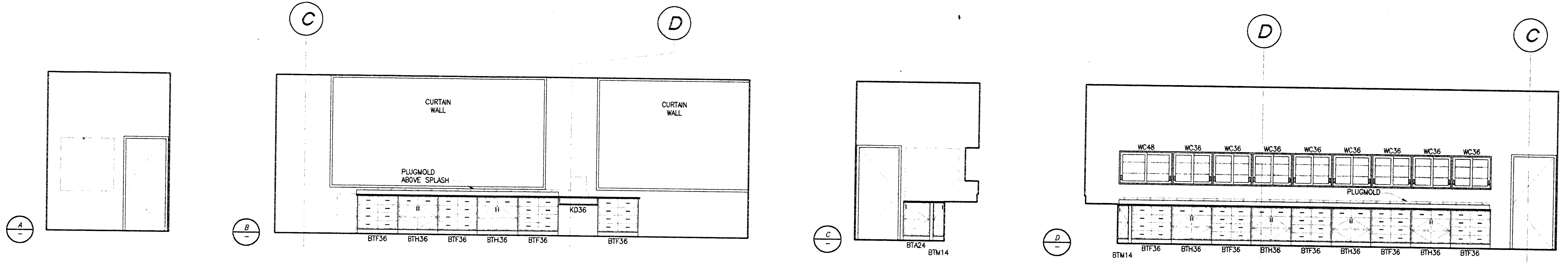
COMPTON, CALIFORNIA

SHEET TITLE

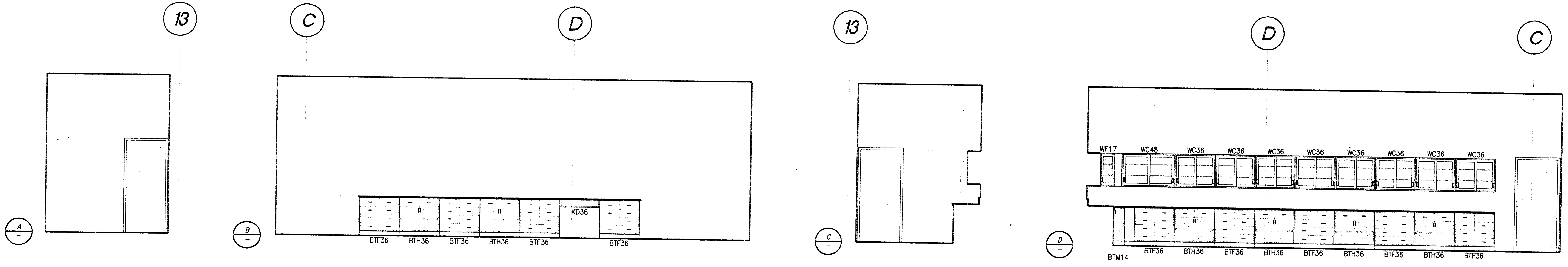
ENLARGED INTERIOR ELEVATIONS

FILE:	CMA4-15	SHEET NO.
SCALE	1/8"=1'-0"	A4.15
JOB NO.	JGM	
DATE	03.06.98	OF ____ SHEETS



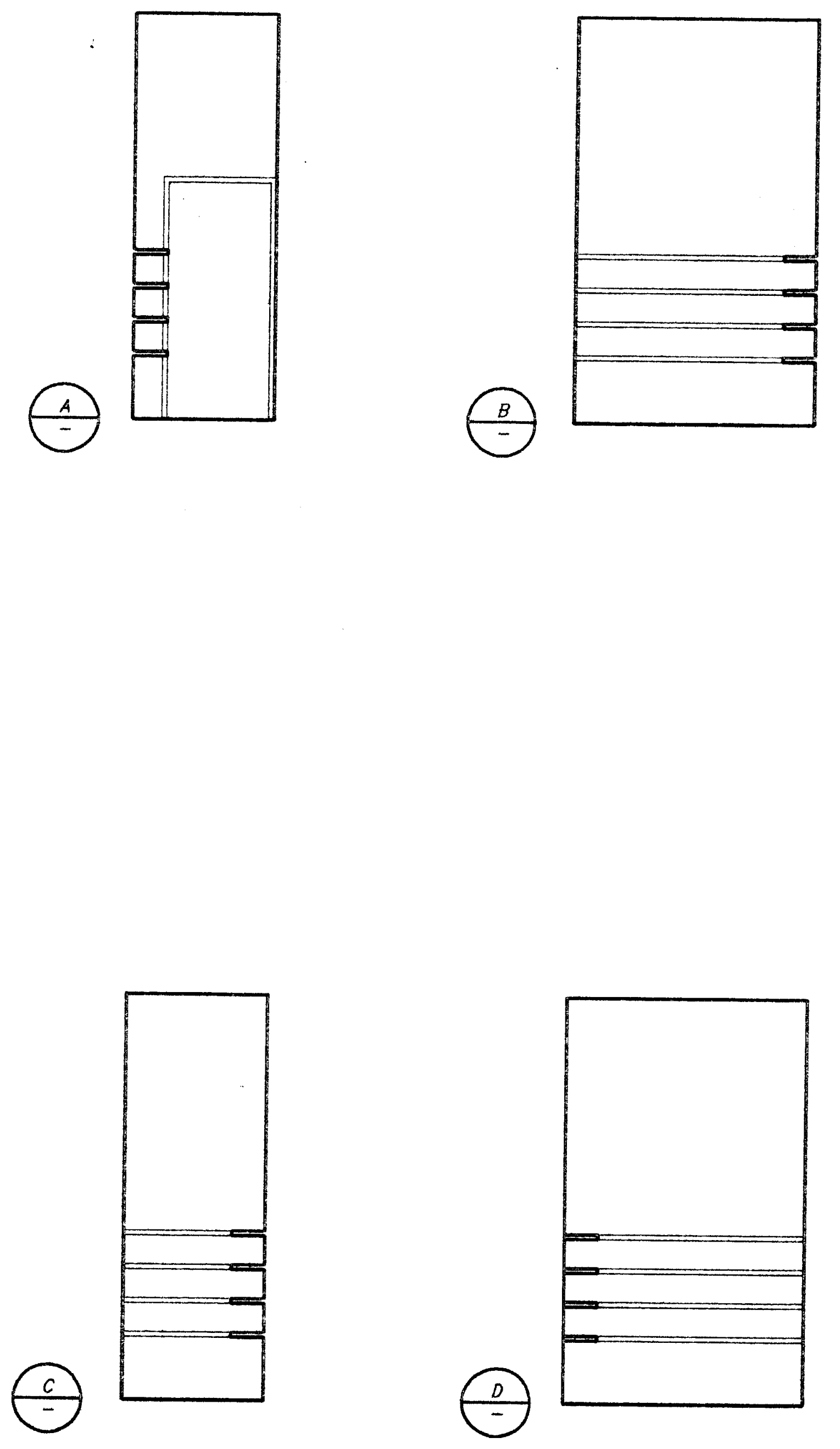
ROOM 228 - CHEM PREP + STORAGE

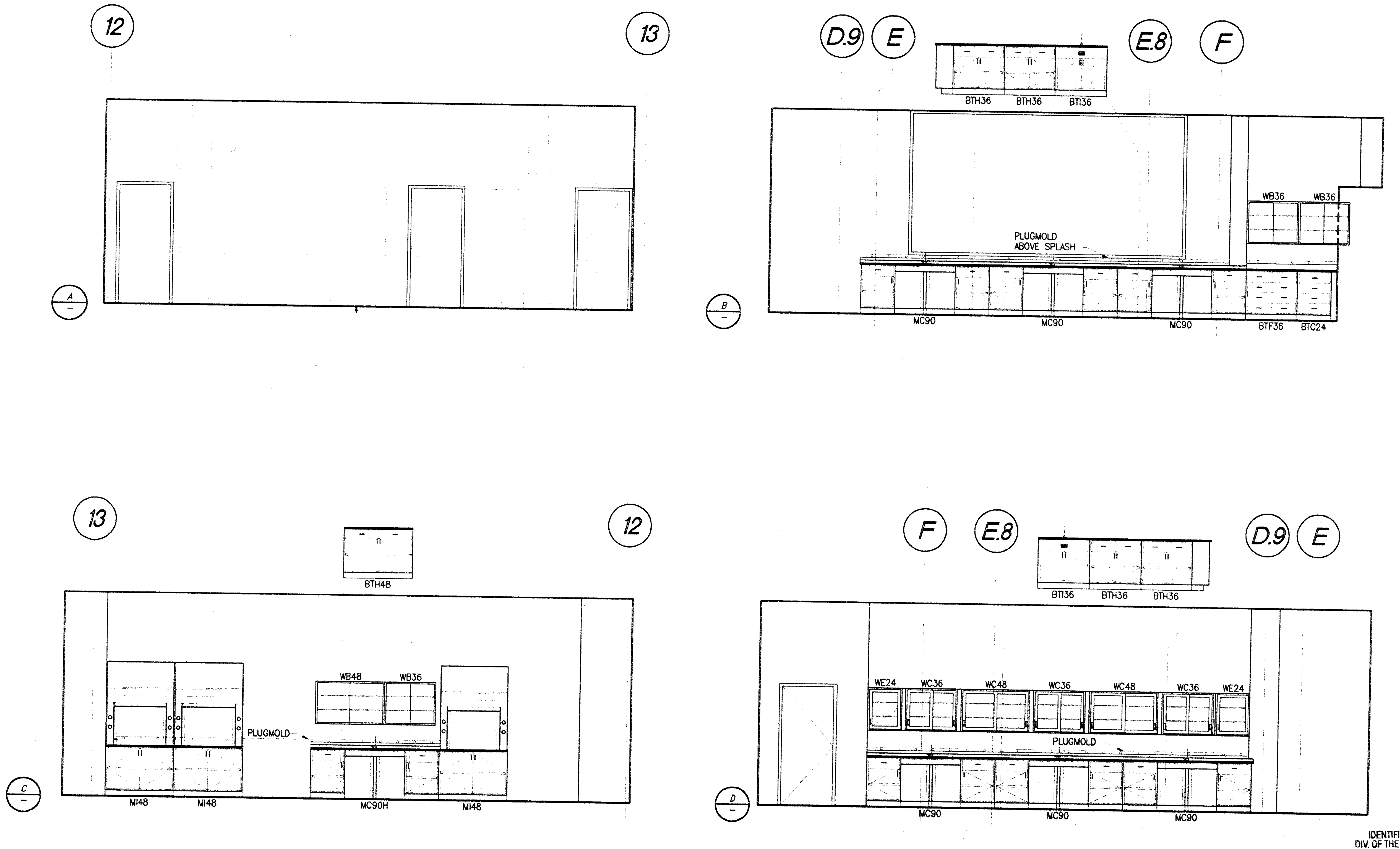
1/4"=1'-0" 1
— A2.2



ROOM 229 - BALANCE ROOM

1/4"=1'-0" 2
— A2.2





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3-20-98

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ROOM 229B - SOLVENT ROOM

1/4"=1'-0" 4
— A2.2

ROOM 230 - CHEMISTRY LAB CLASSROOM B

1/4"=1'-0" 3
— A2.2

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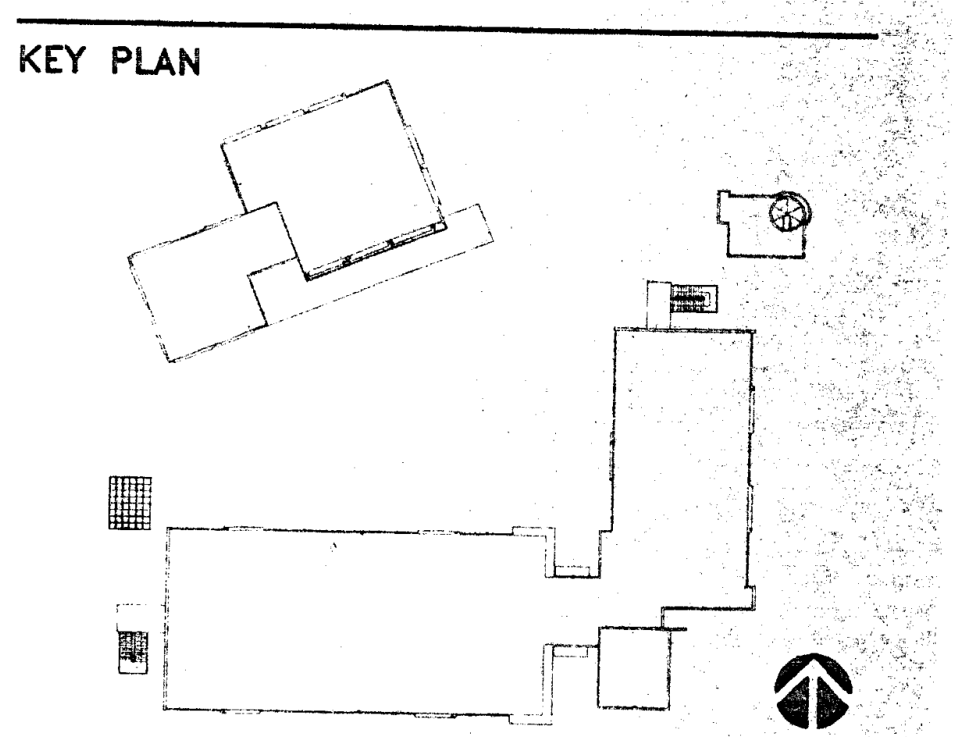
GENERAL NOTES:

KEY PLAN



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PREPARED FOR
COMPTON COMMUNITY COLLEGE
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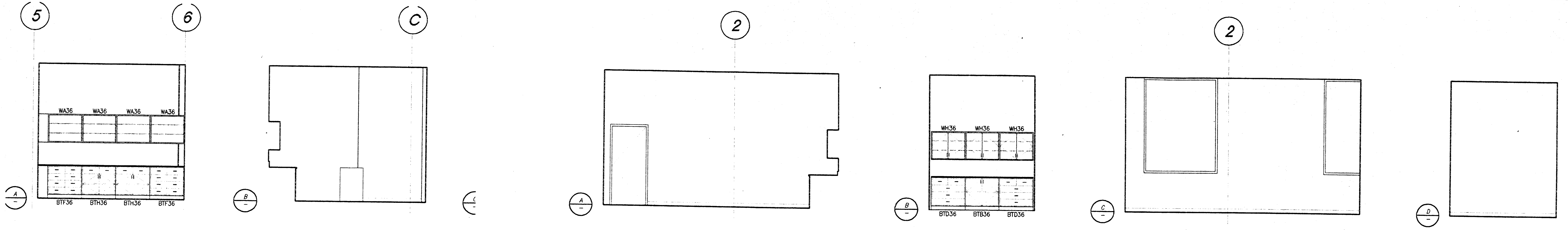
COMPTON, CALIFORNIA

SHEET TITLE
ENLARGED
INTERIOR
ELEVATIONS

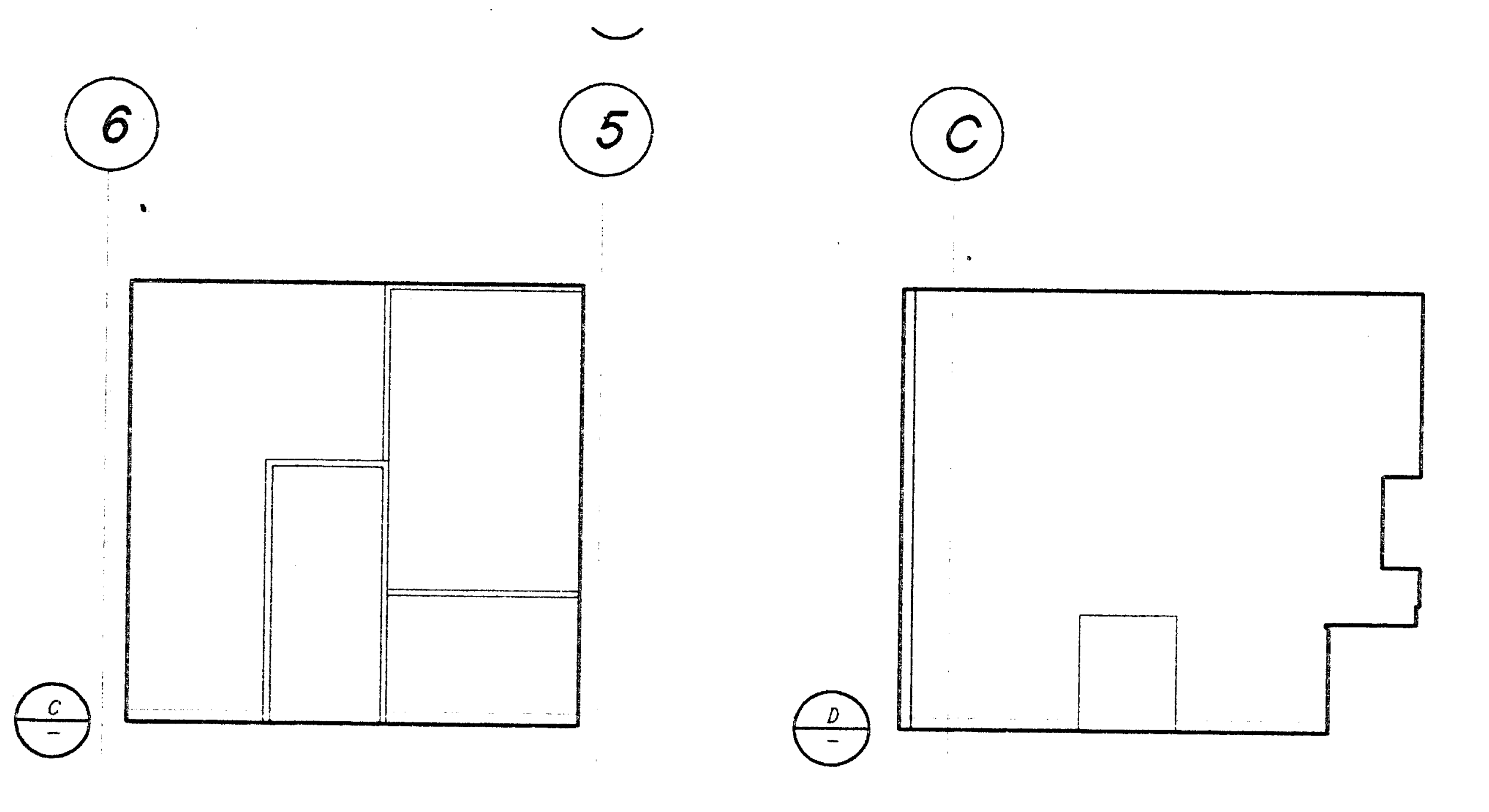
FILE: CMA4-16
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO. A4.16
OF ___ SHEETS



ROOM 140 - MIS MEETING ROOM

1/4"=1'-0"

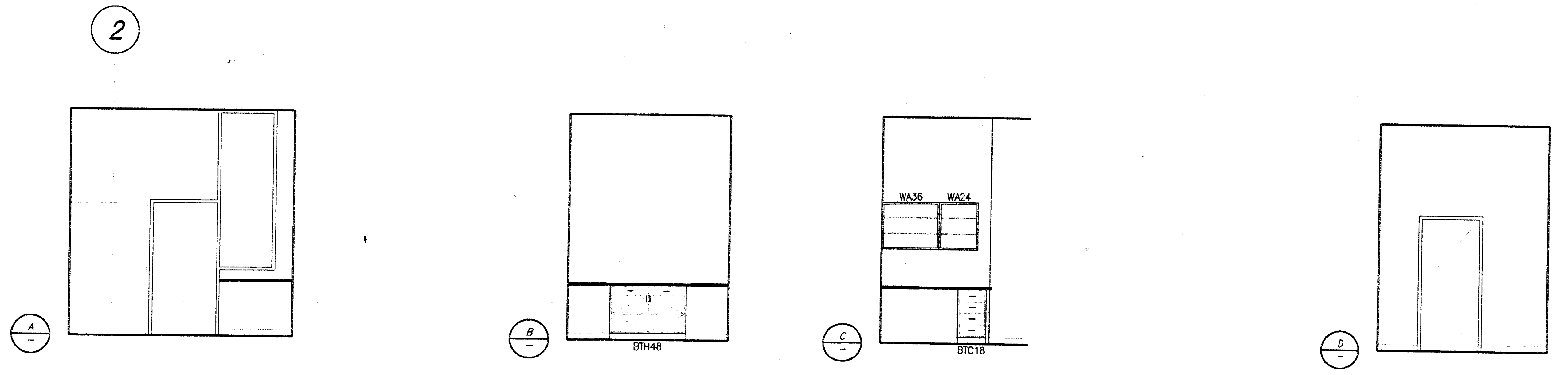
1
A2.4



ROOM 150 - PRINT SHOP JOB DROP OFF AREA

1/4"=1'-0"

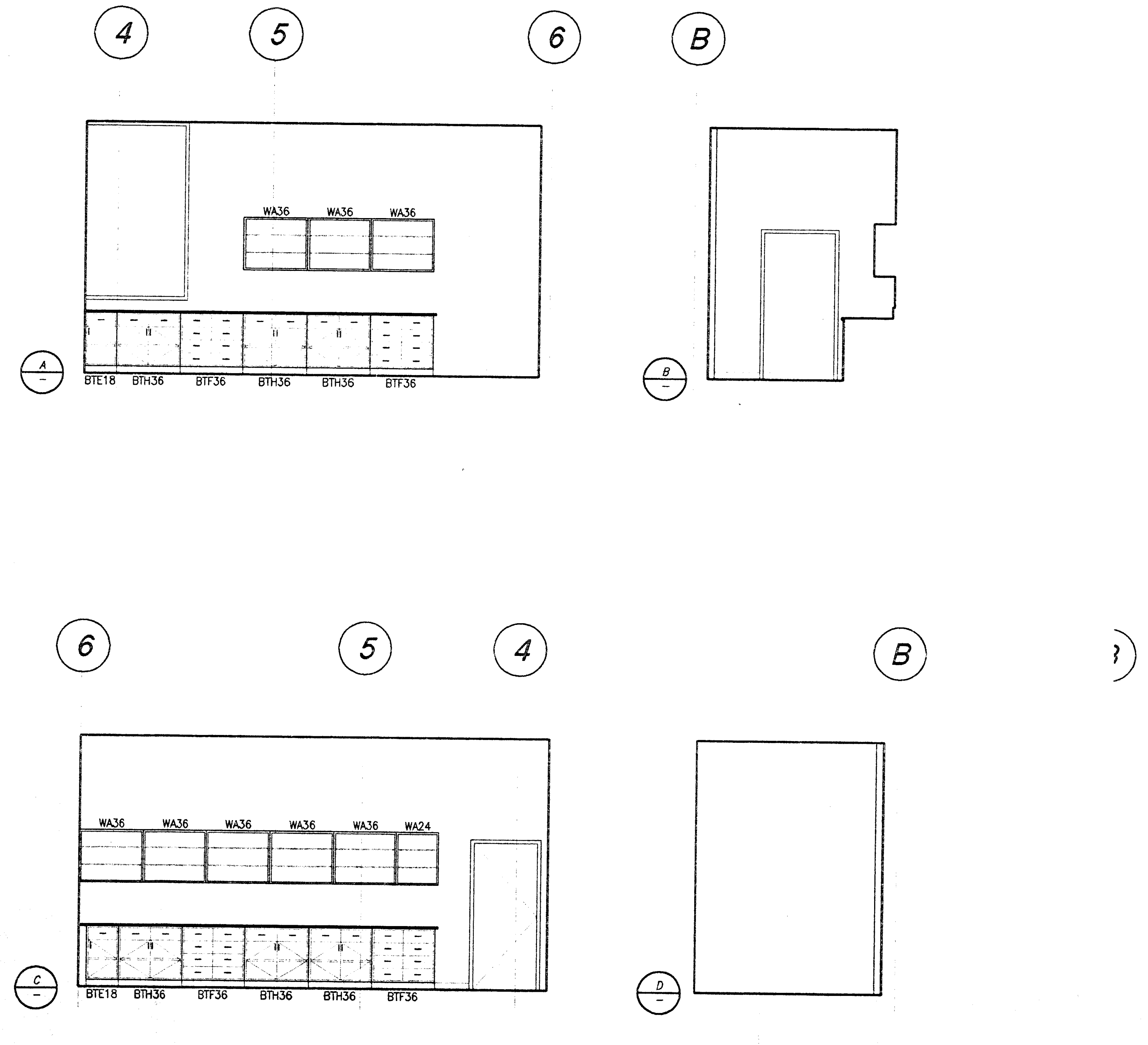
3
A2.4



ROOM 146 - MIS EQUIPMENT REPAIR AREA

1/4"=1'-0"

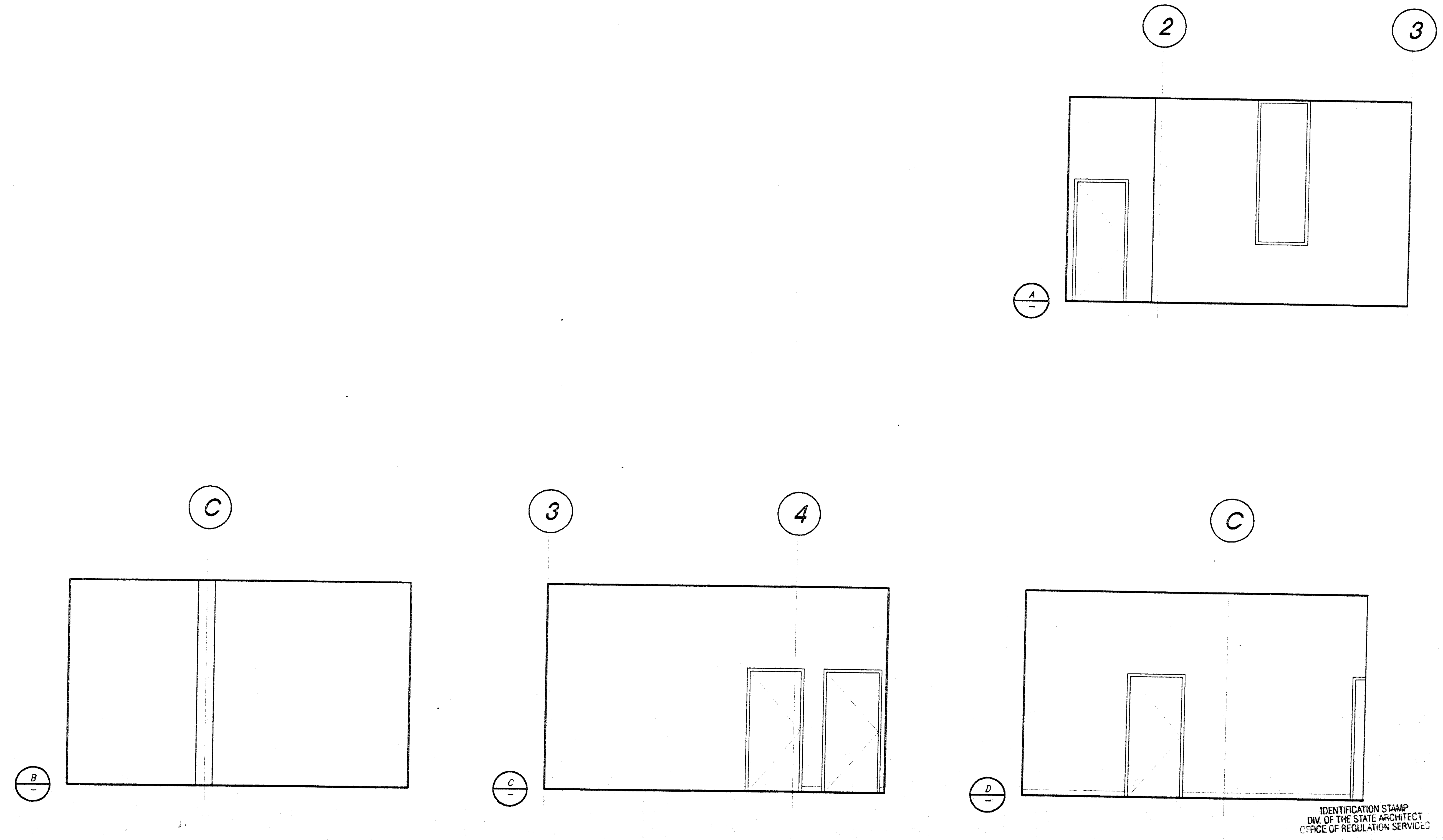
2
A2.4



ROOM 151 - MIS/PRINT SHOP PAPER STORAGE AREA

1/4"=1'-0"

5
A2.4



ROOM 148 - MIS RECEIVING / RECEPTION AREA

1/4"=1'-0"

4
A2.4

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PLOT DATE: 03.06.98

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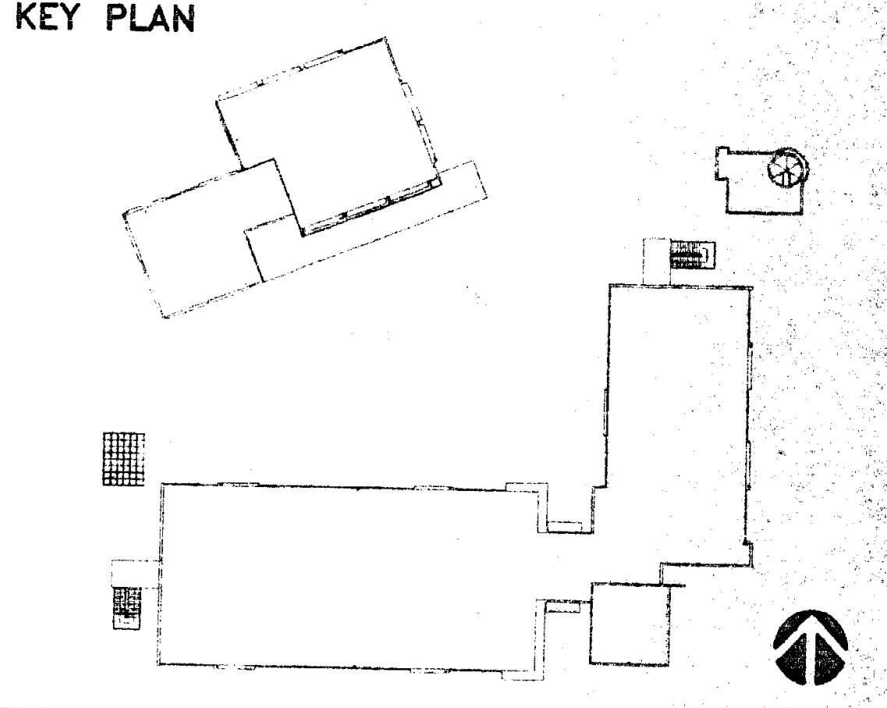
9-31-99

GENERAL NOTES:

KEY PLAN



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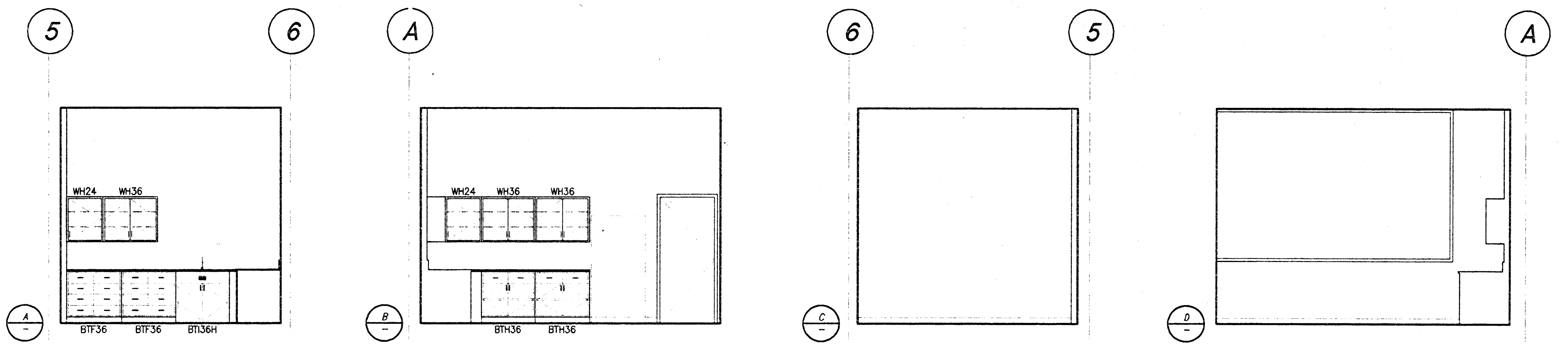
ENLARGED
INTERIOR
ELEVATIONS

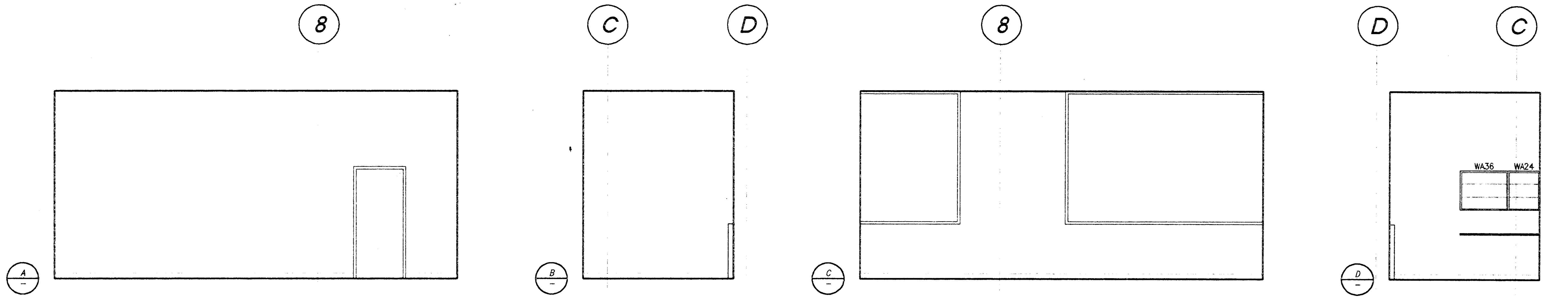
FILE: CMA4-17
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE 03.06.98

SHEET NO.
A4.17
OF ___ SHEETS



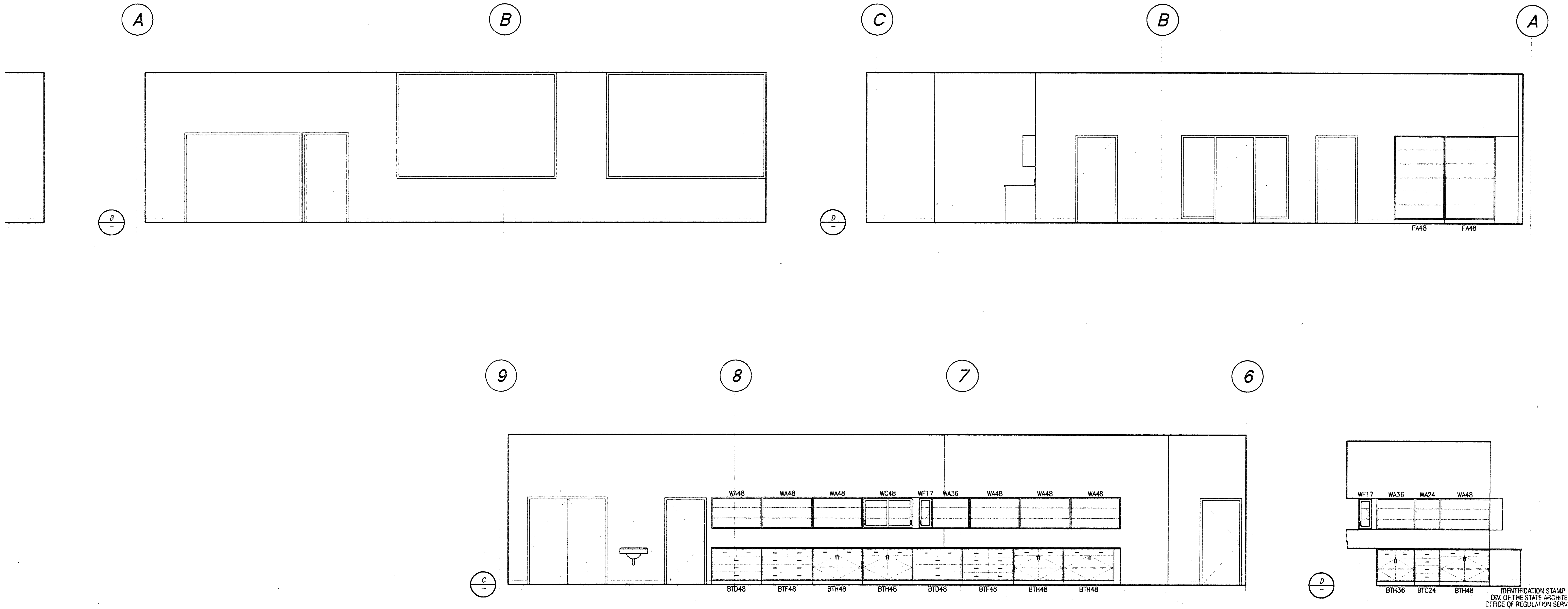
ROOM 153 - PRINT SHOP LOUNGE

1/4"=1'-0"
1
–
A2.4



ROOM 154 - PRINT SHOP XEROX ROOM

1/4"=1'-0"
2
–
A2.4



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ROOM 161 - PRINT SHOP PRODUCTION AREA

1/4"=1'-0"
3
–
A2.4

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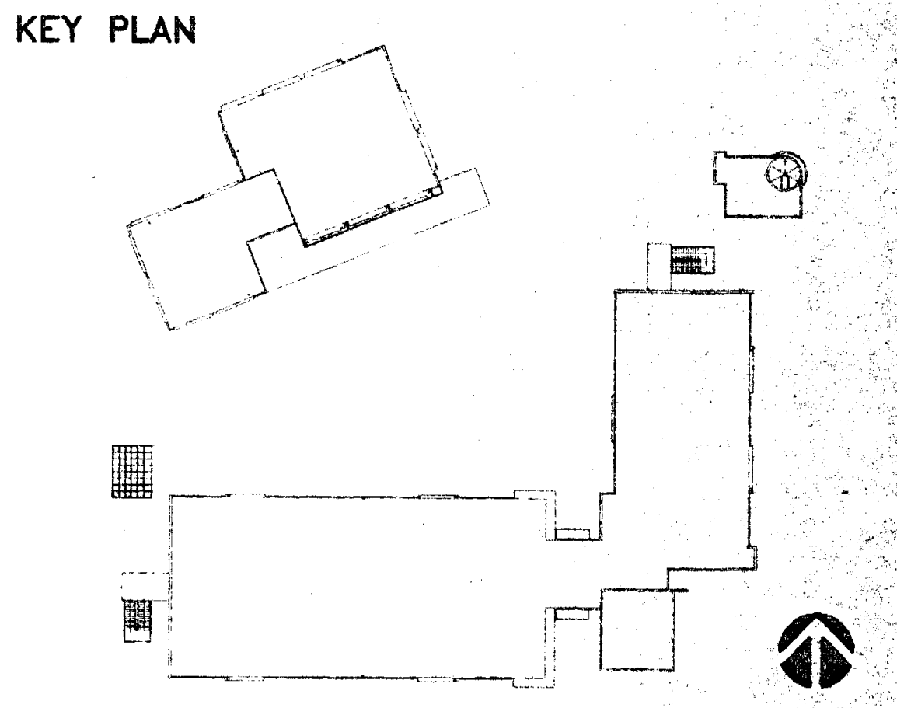

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FILE: CMA4-18
SCALE 1/4"=1'-0"
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SHEET NO.
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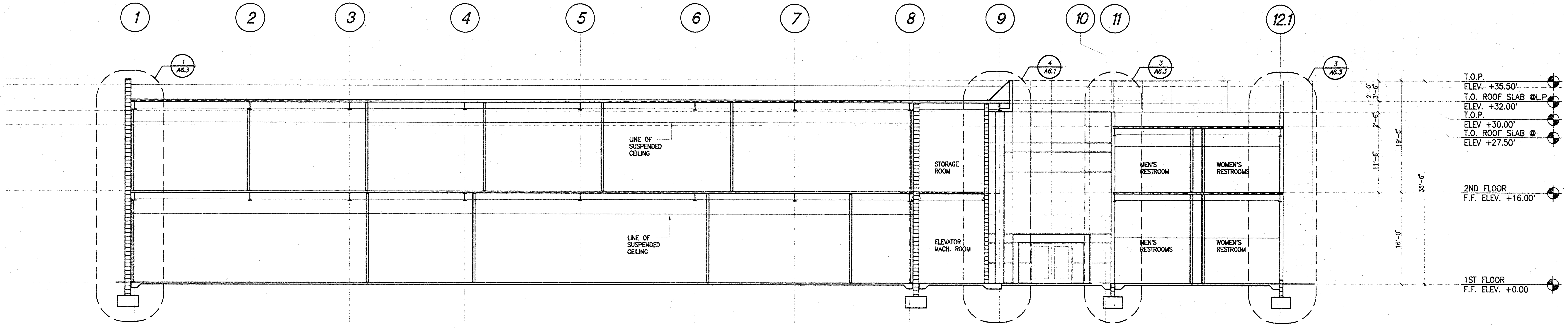
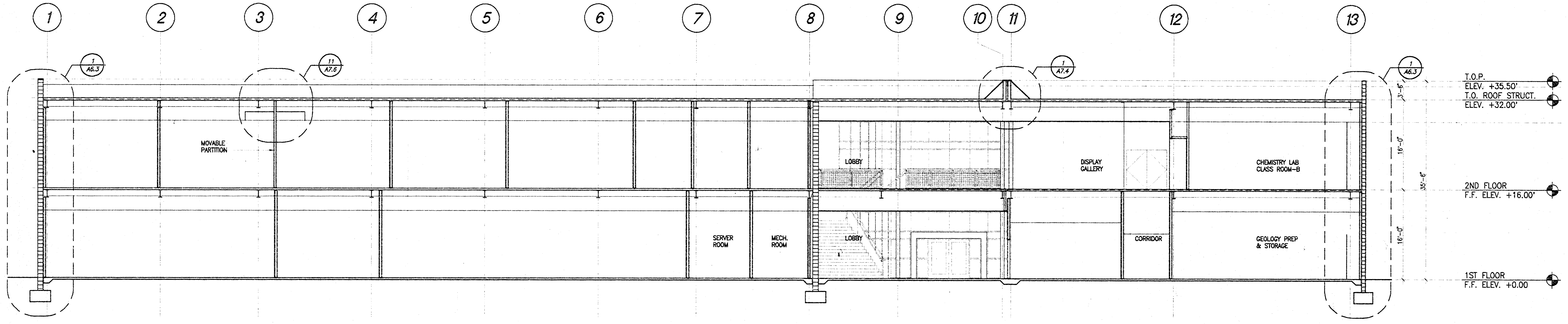


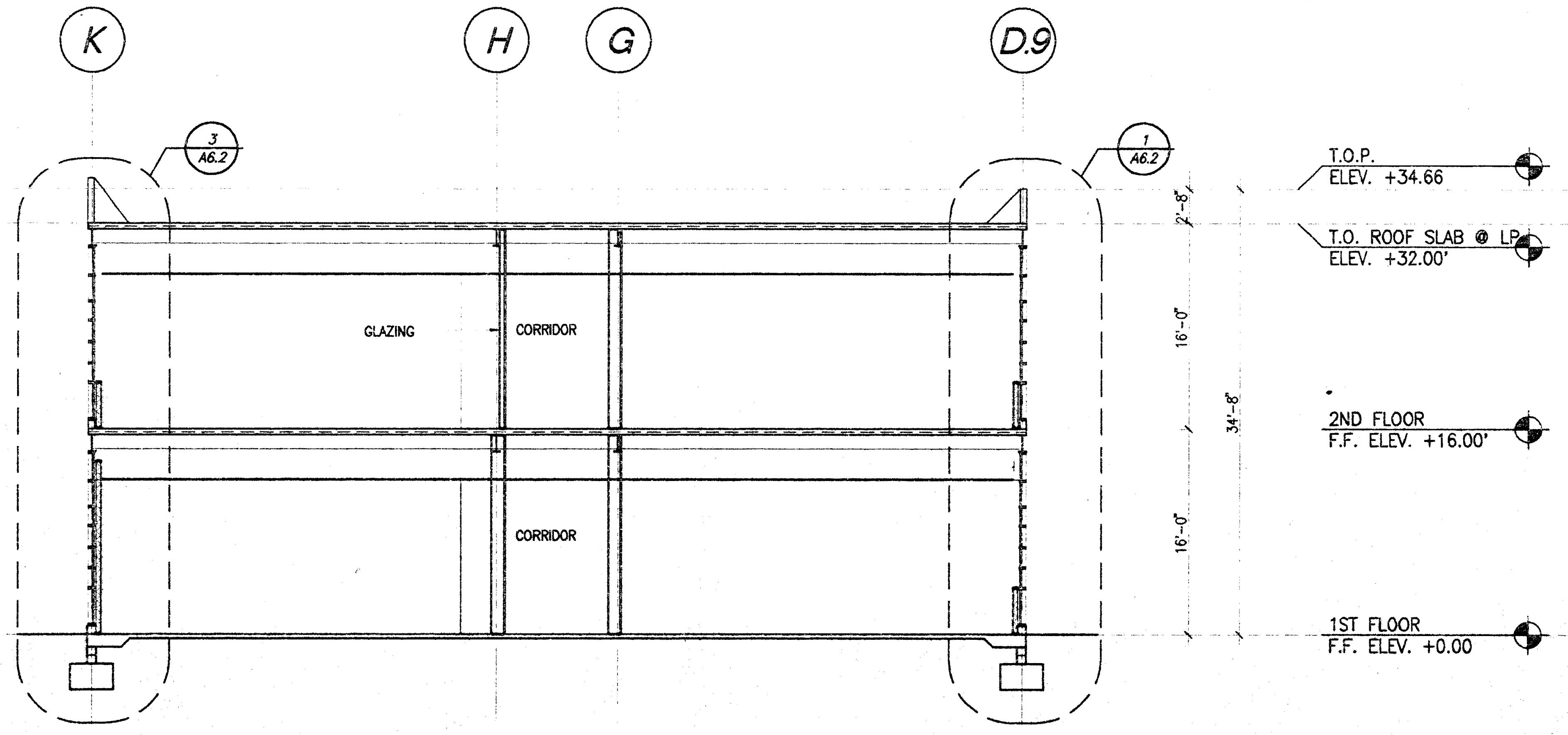
BUILDING SECTION

1/8"=1'-0" 1
– A2.1



BUILDING SECTION

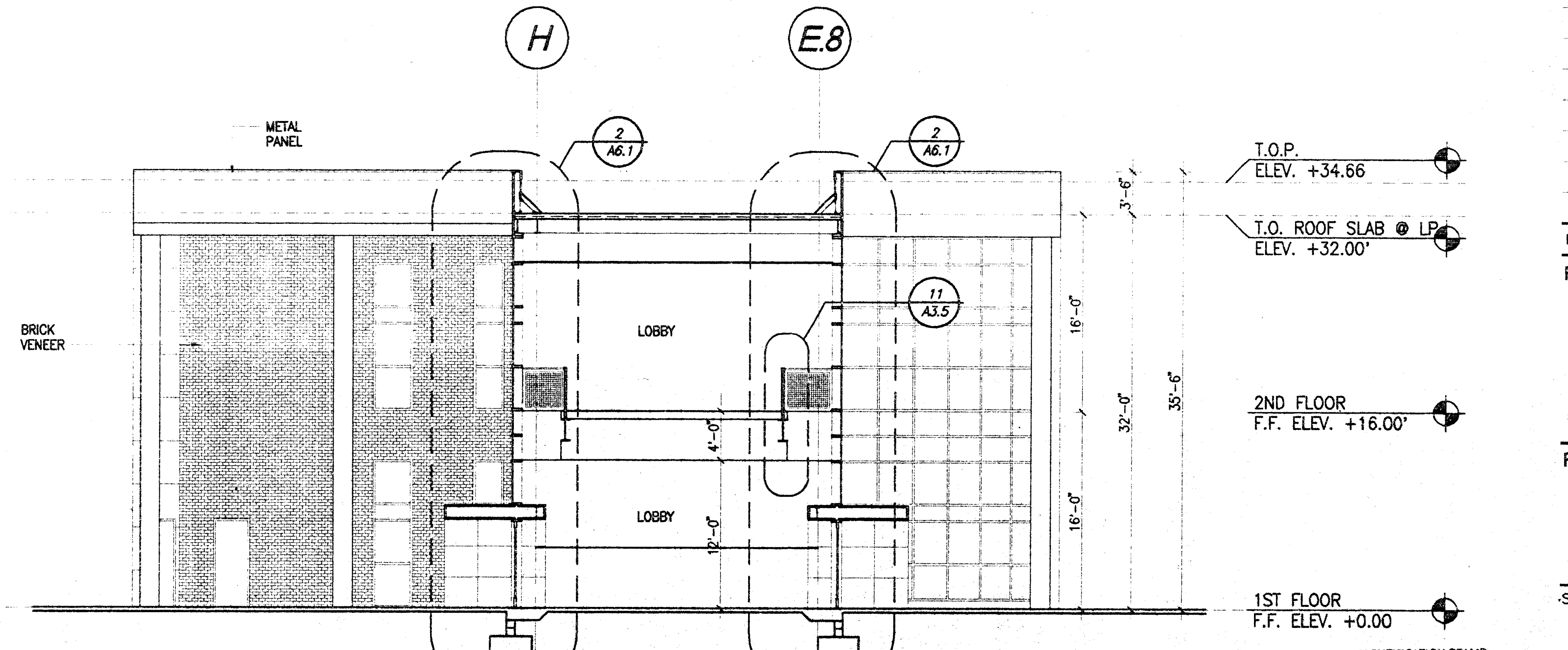
1/8"=1'-0" 2
– A2.1



PLOT DATE: 03.06.98

BUILDING SECTION

1/8"=1'-0" 4
– A2.1



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AC FLS SS
3-20-98

BUILDING SECTION

1/8"=1'-0" 3
– A2.1

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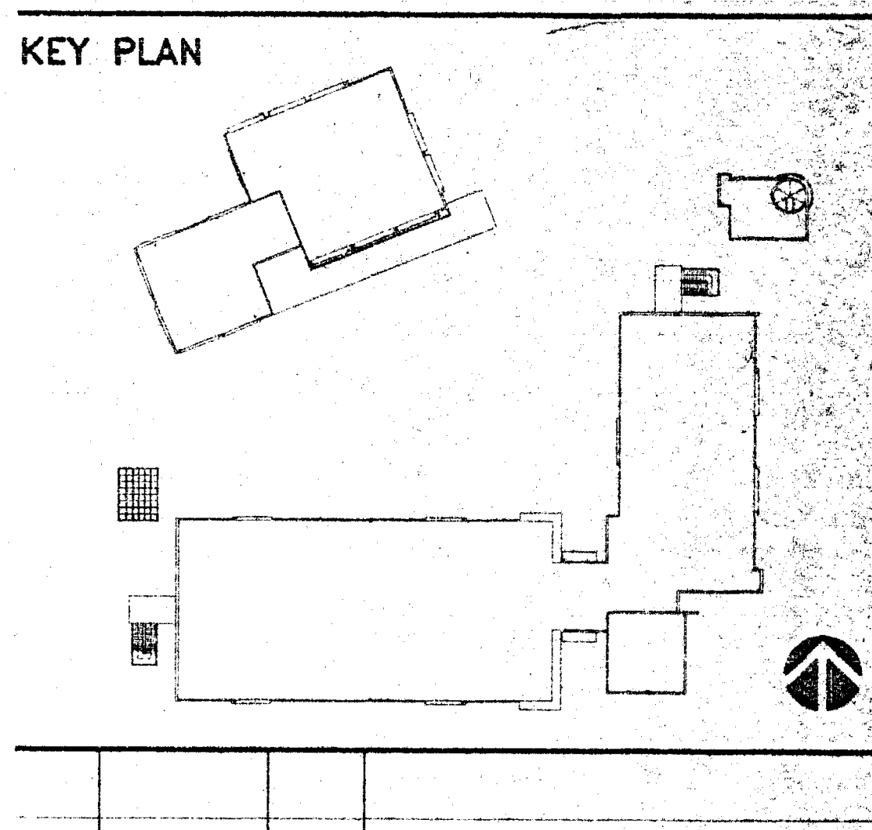
MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

GENERAL NOTES:

PROVIDE DETAILS OF ALL METAL STUD WALLS (STUD SIZES, GA. CONNECTION DETAILS, BRIDGING, FRAMING OR OPENINGS, ETC.)

KEY PLAN



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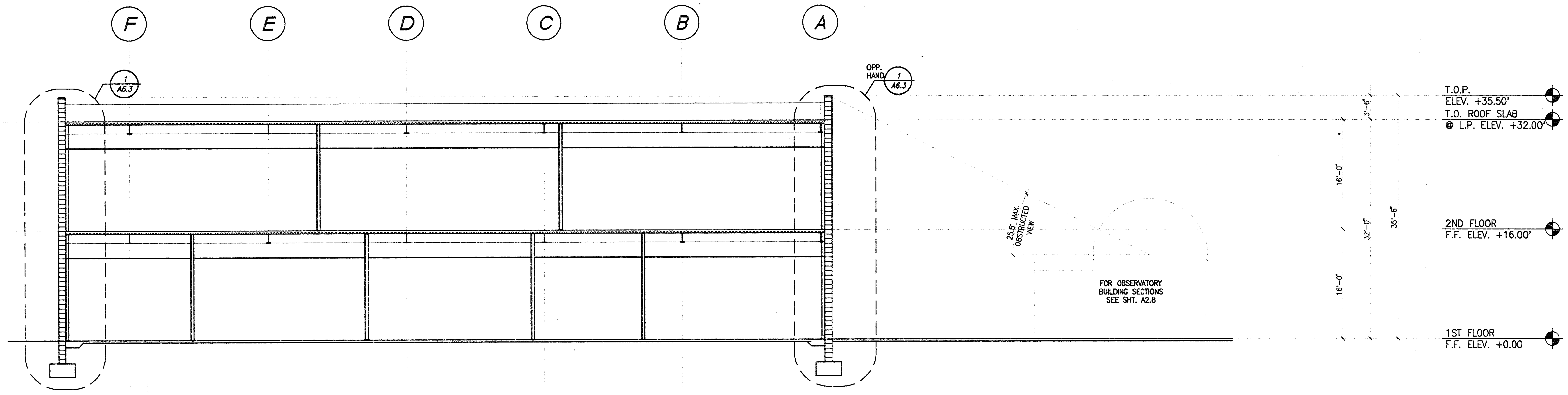
SHEET TITLE

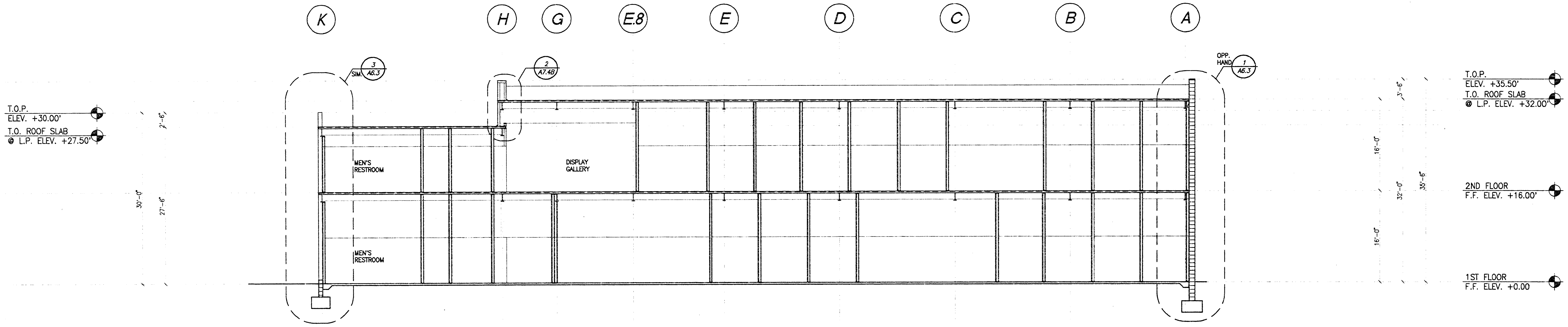
MATH / SCIENCE BUILDING SECTIONS

FILE:	CMA5-01	SHEET NO.
SCALE	1/8"=1'-0"	A5.1
JOB NO.	JGM	
DATE	03.06.98	OF ______ SHEETS



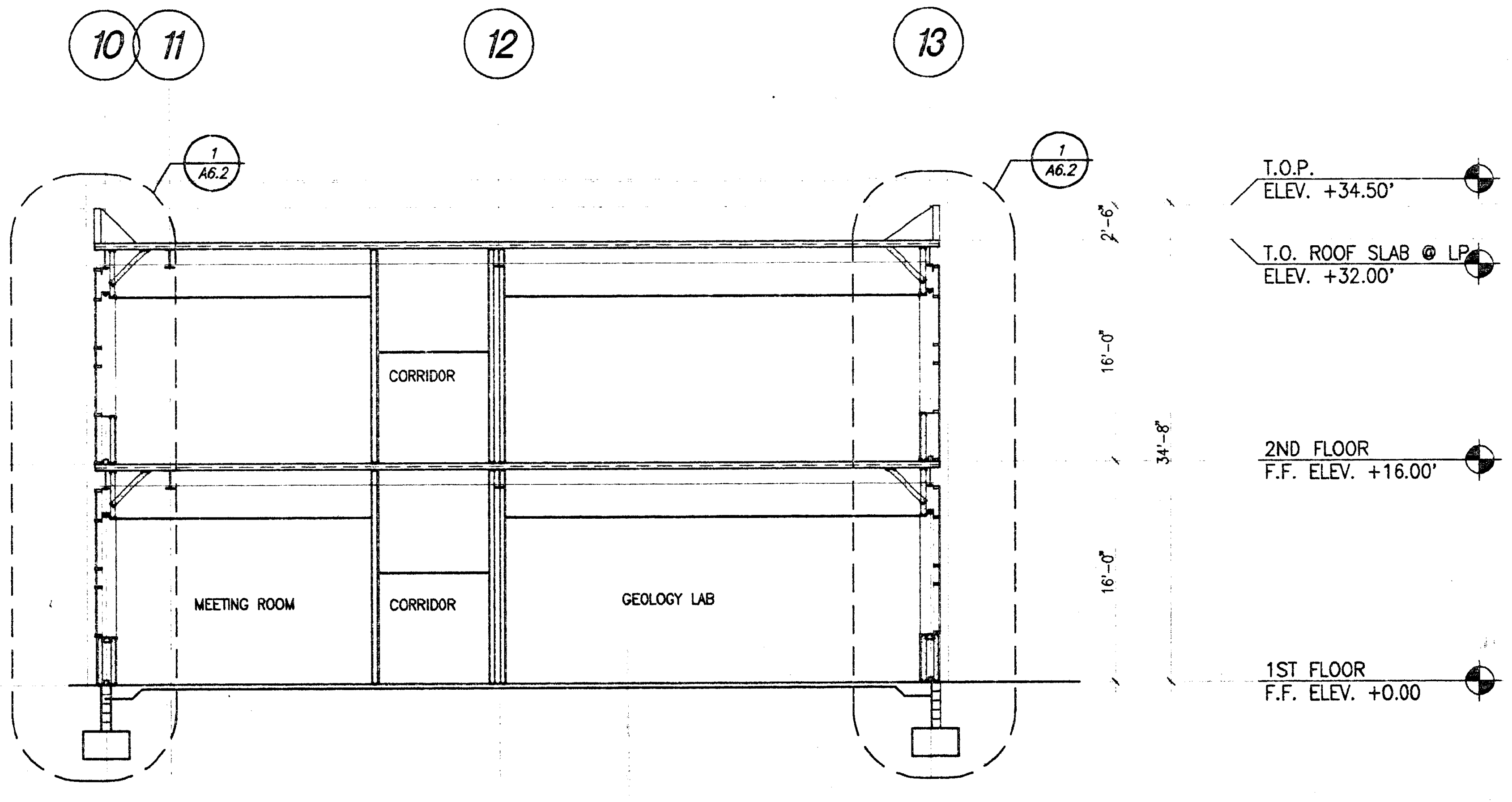
BUILDING SECTION

1/8"=1'-0" 1 / A5.2



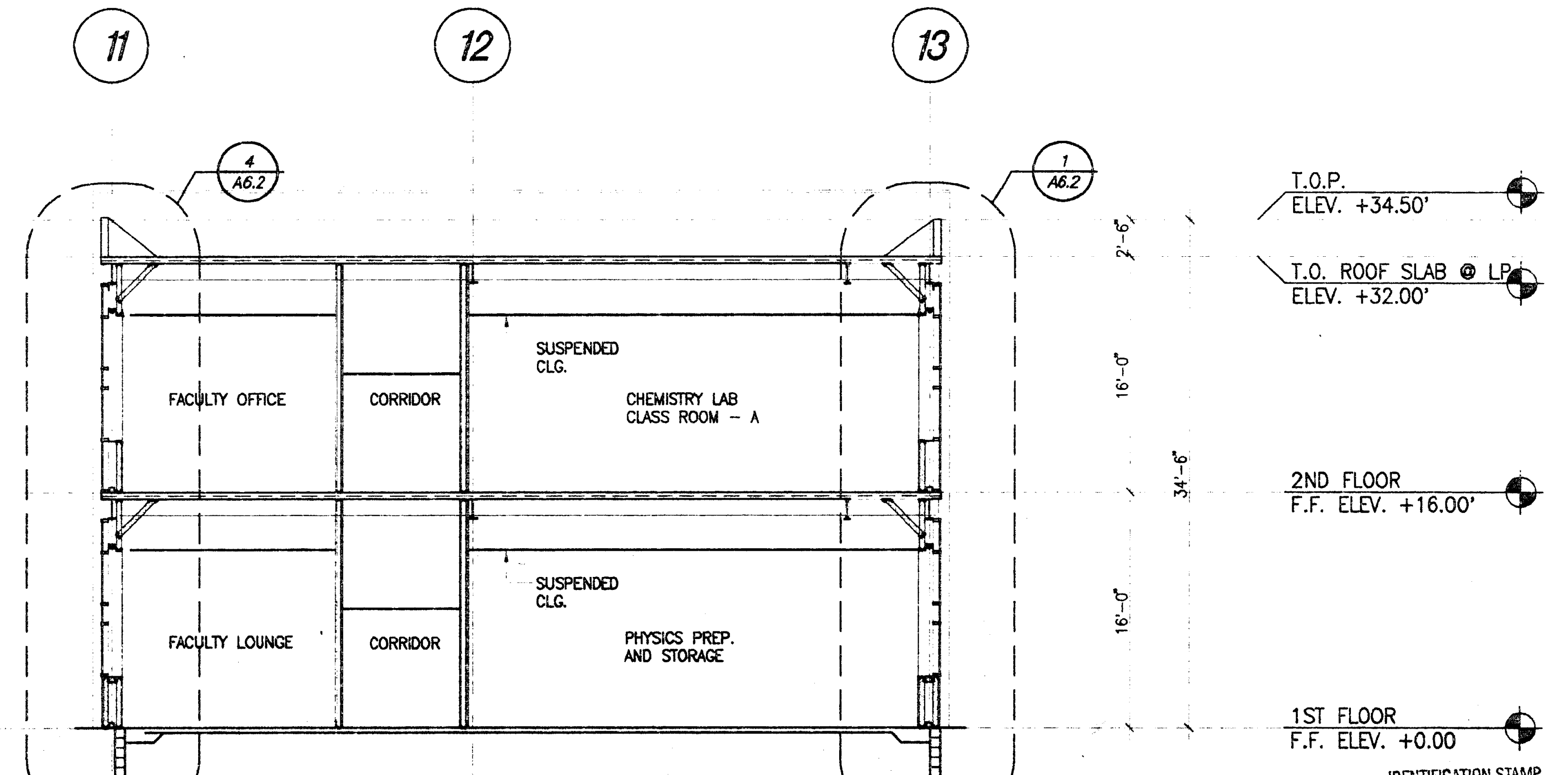
BUILDING SECTION

1/8"=1'-0" 2 / A5.2



BUILDING SECTION

1/8"=1'-0" 4 / A5.2



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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC FLS SS 3-20-98

BUILDING SECTION

1/8"=1'-0" 3 / A5.2

PLOT DATE: 03.17.98

Jenkins/Gales & Martinez, Inc.
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5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721

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CHECKED *JGM*
APPROVED *JGM*

CONSULTANT

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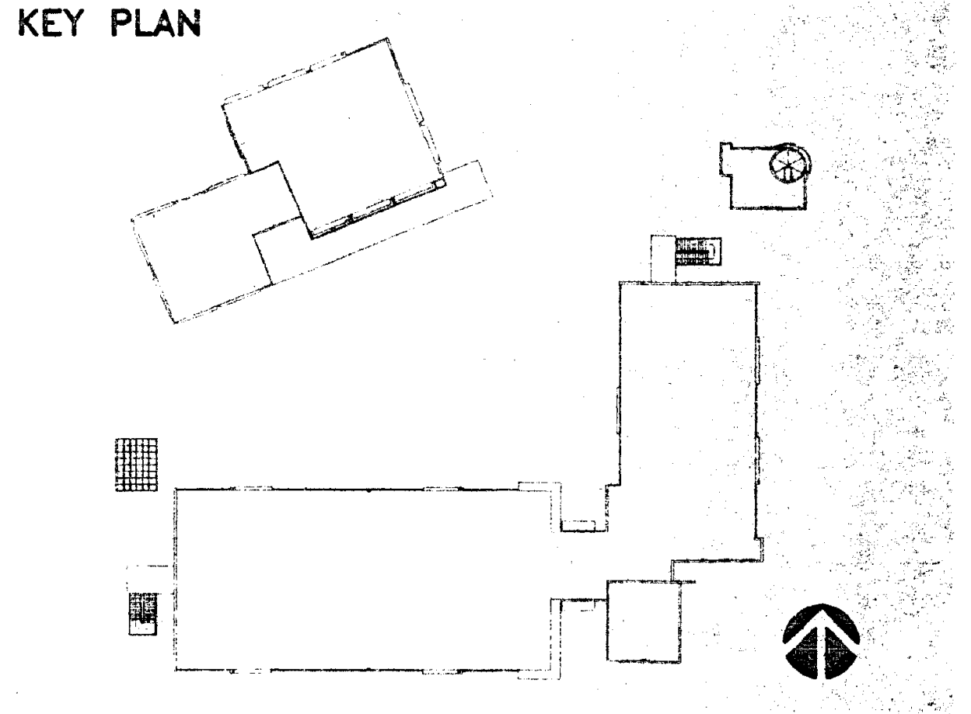
SEAL

MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

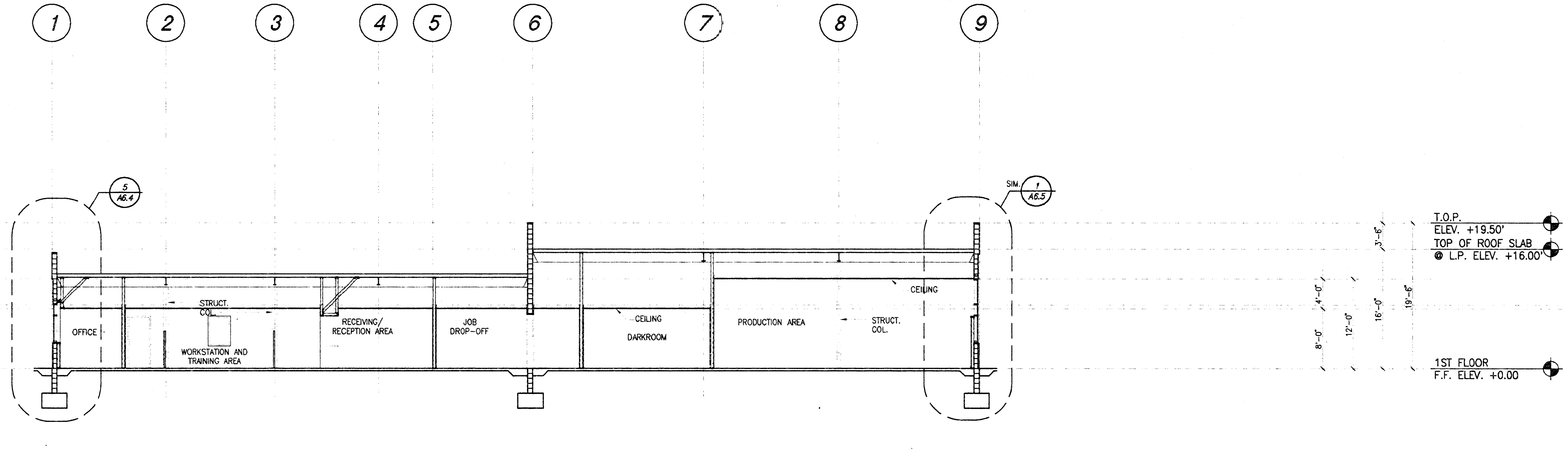
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MATH / SCIENCE
BUILDING SECTIONS

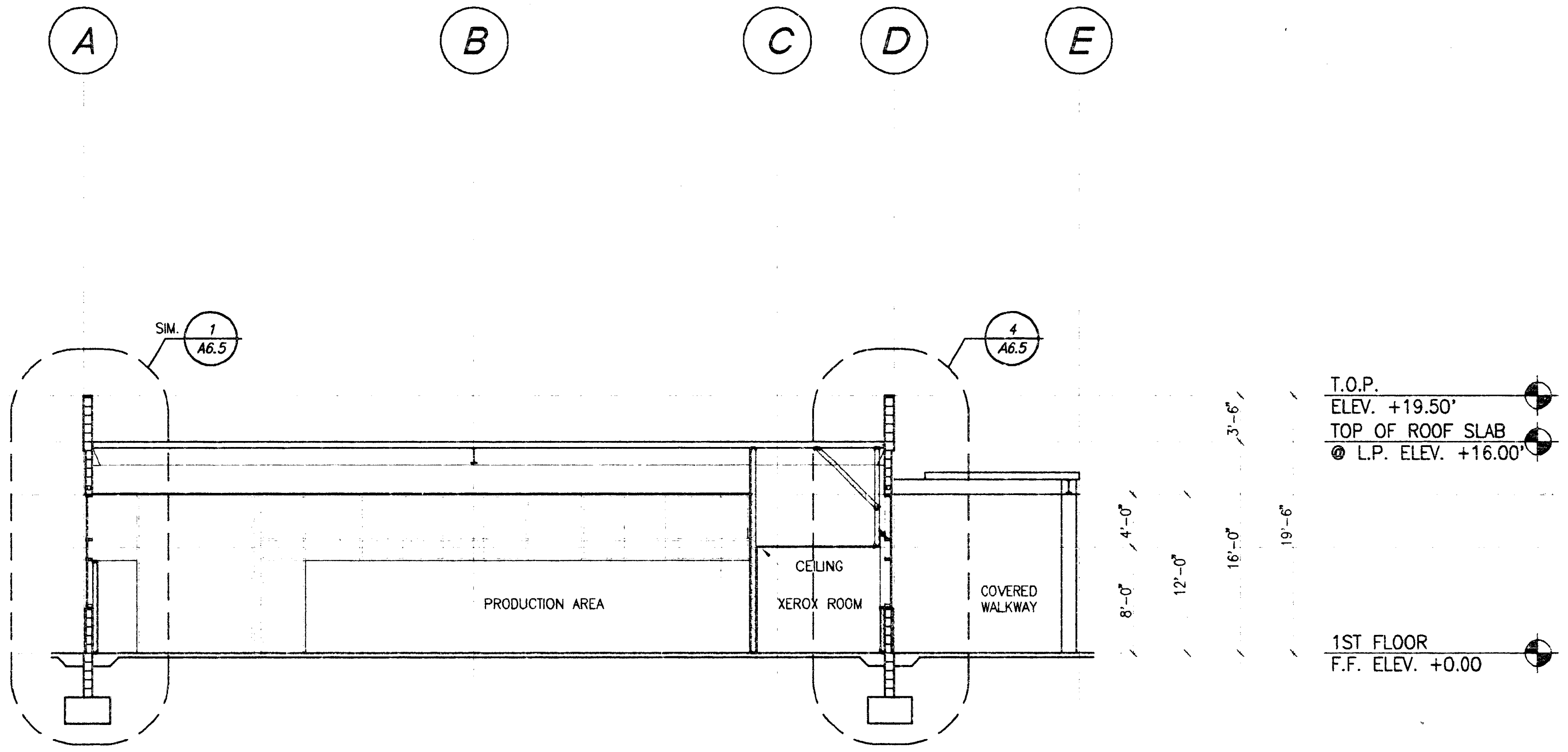
FILE:	*CMA5-02*
SCALE	*1/8"=1'-0"*
JOB NO.	*JGM*
DATE	03.06.98

SHEET NO.
A5.2
OF ____ SHEETS



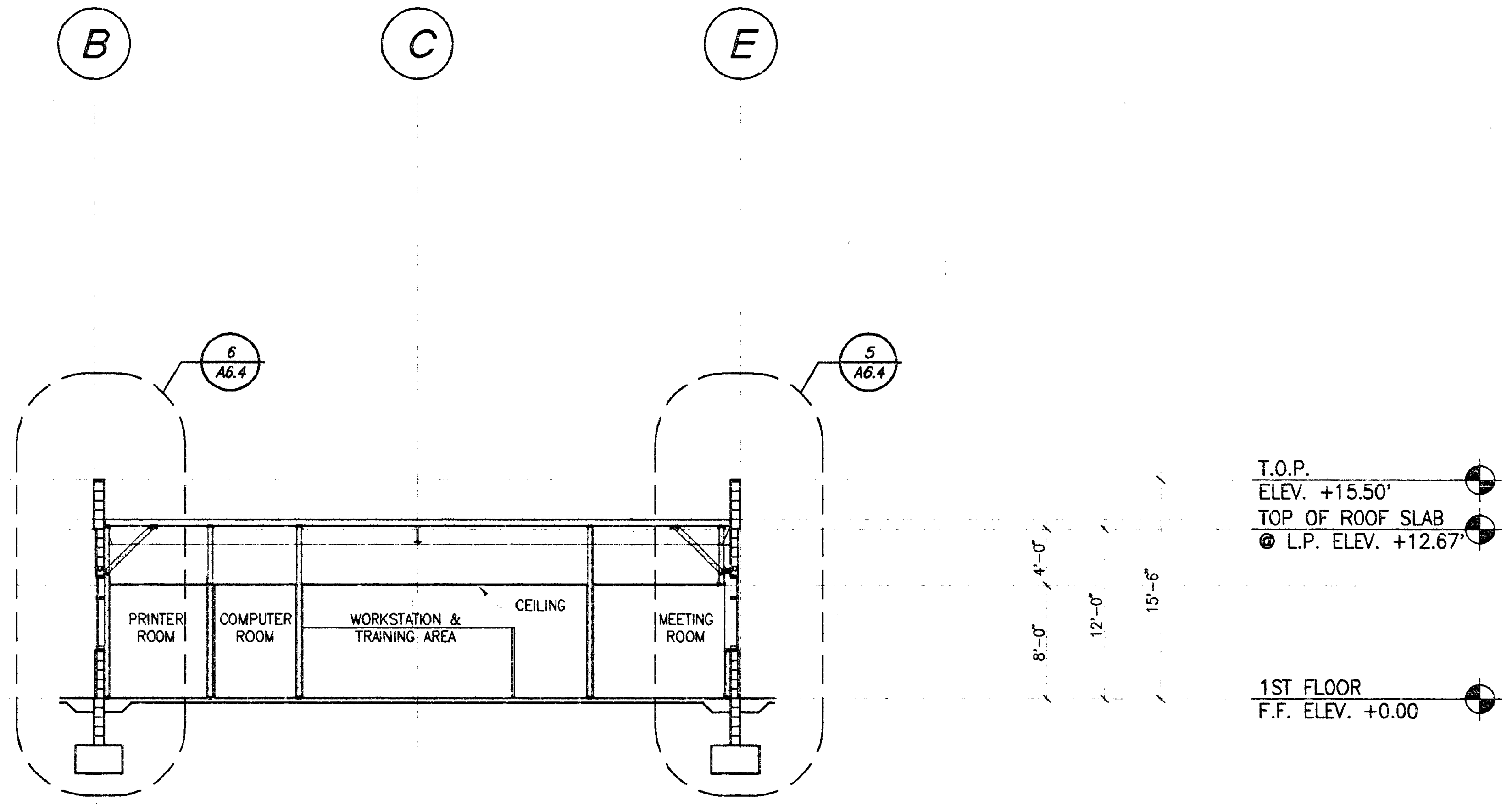
BUILDING SECTION

1/8"=1'-0"
1
–
A5.3



BUILDING SECTION

1/8"=1'-0"
3
–
A5.3



BUILDING SECTION

1/8"=1'-0"
2
–
A5.3

PLOT DATE: 03.17.98

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3-20-98

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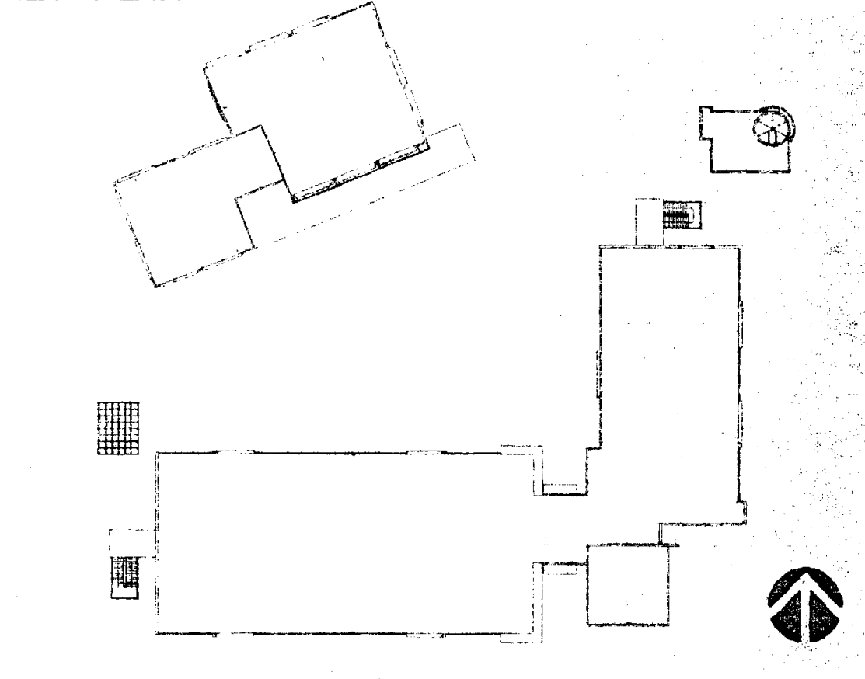
MORRIS R. POINDEXTER
C 13000
3-31-99
RENEWAL DATE
STATE OF CALIFORNIA

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

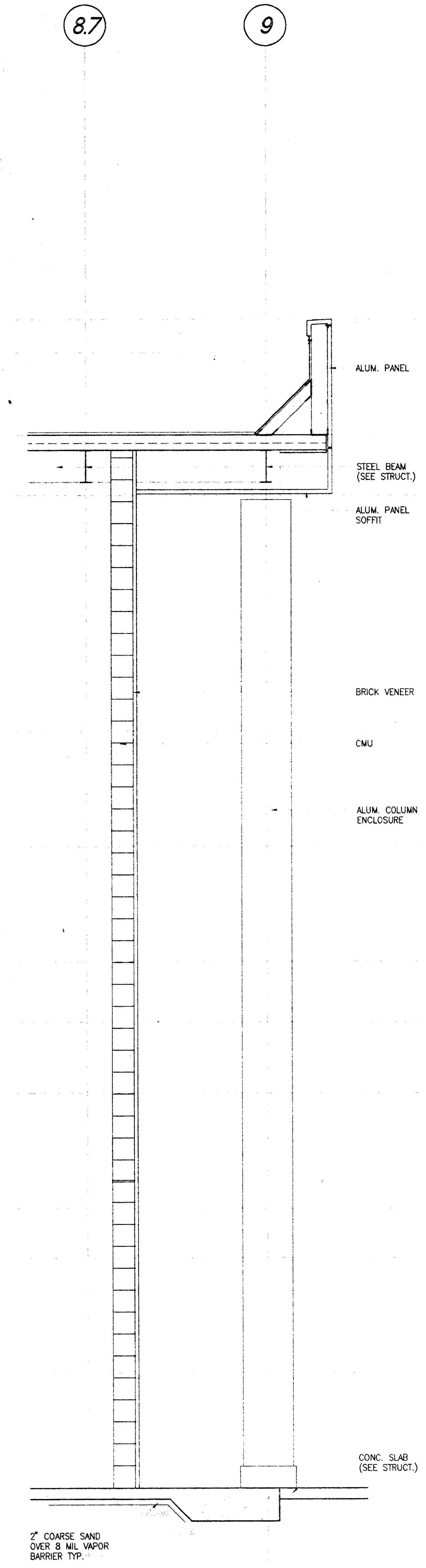
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

M.I.S. / PRINT SHOP BUILDING SECTIONS

FILE: *CMA5-03*
SCALE *1/8"=1'-0"*
JOB NO. *JGM*
DATE 03.06.98

SHEET NO.
A5.3
OF ______ SHEETS



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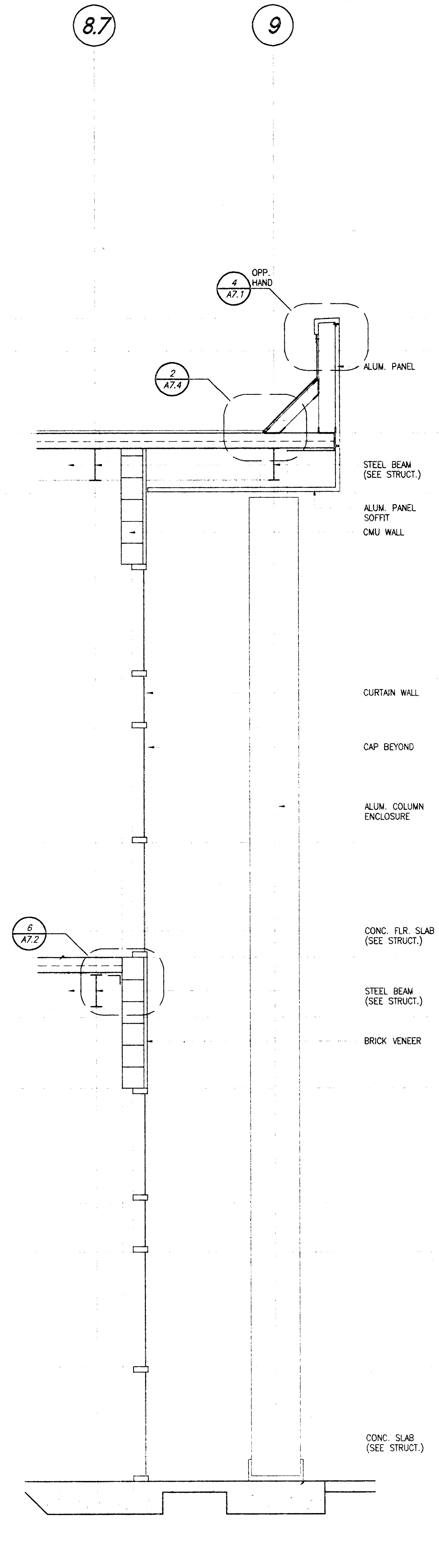

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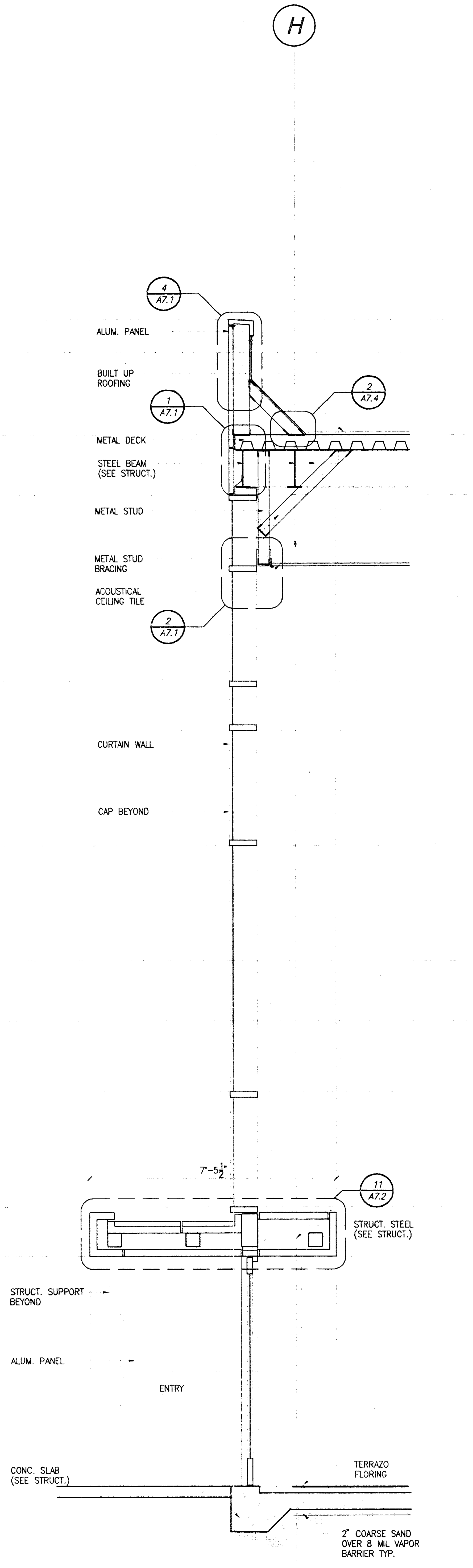

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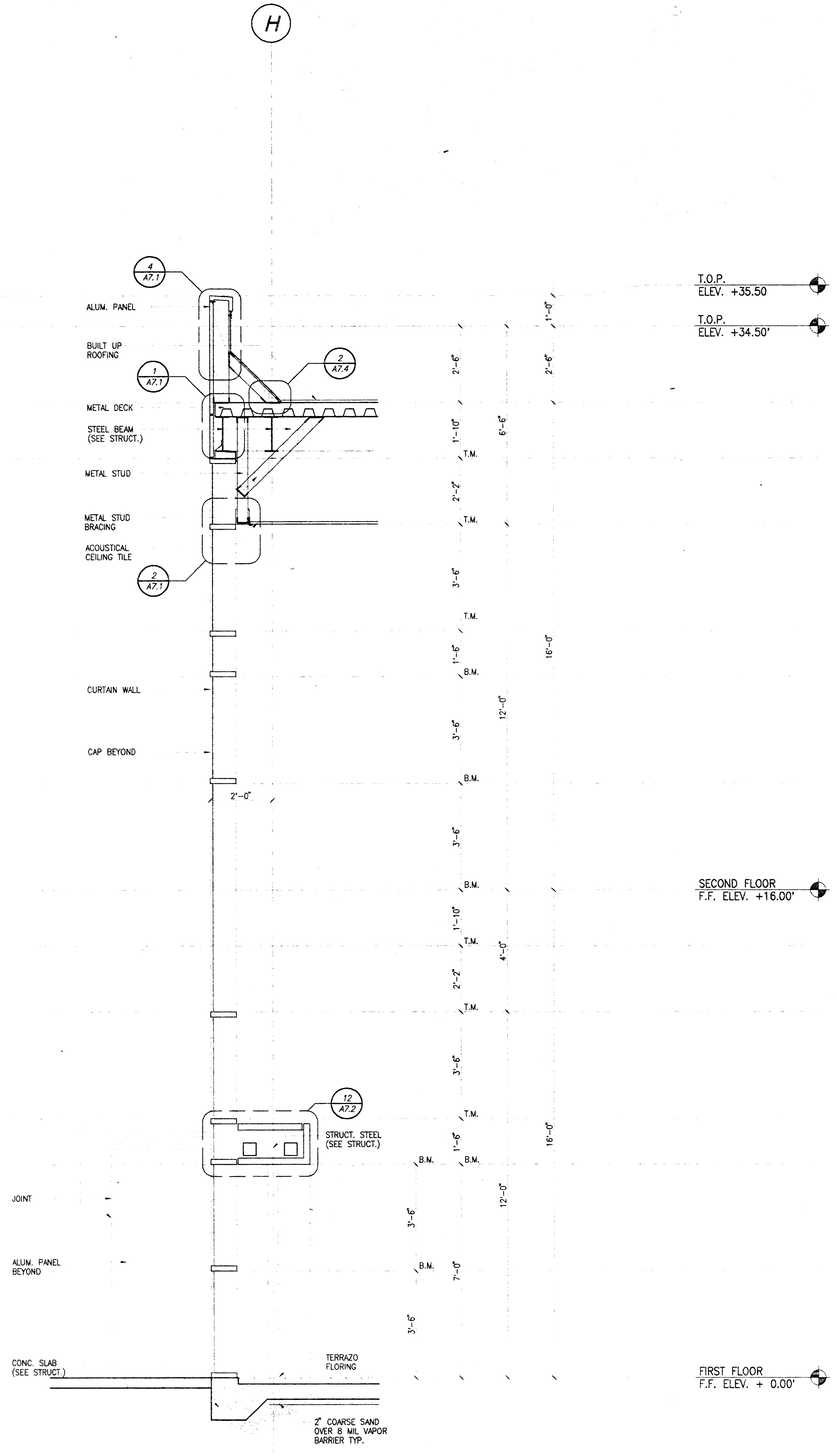

WALL SECTION 1/2"=1'-0" 1 – A6.1

PLOT DATE: 02.20.98

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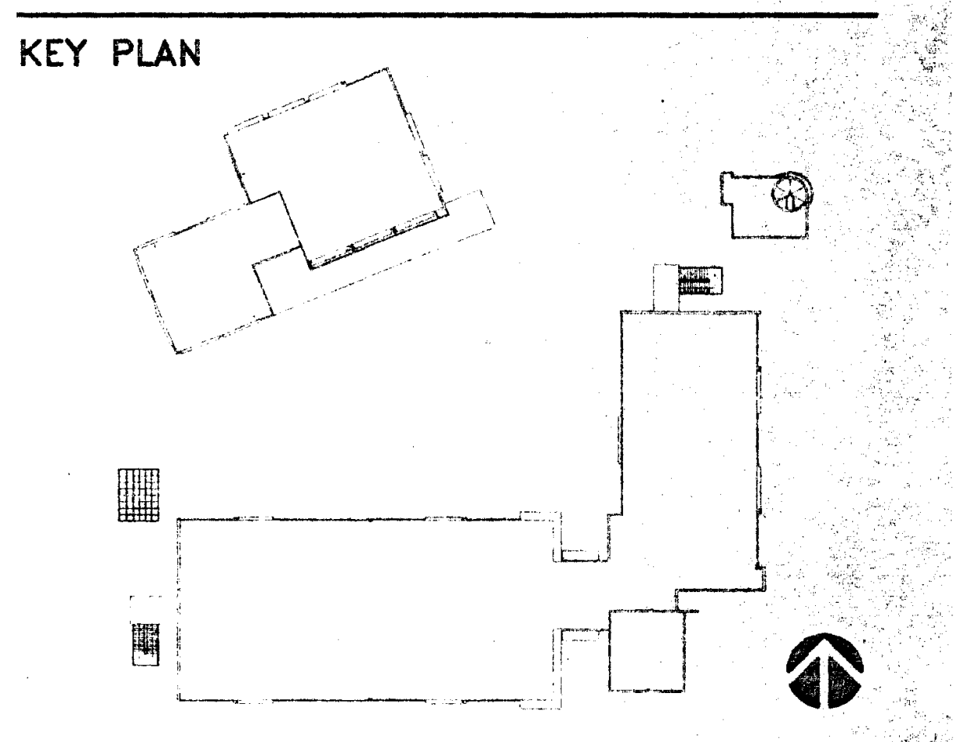
SEAL

MORRIS R. POINDEXTER C-13900 9-31-99 RENEWAL DATE

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

IDENTIFICATION STAMP
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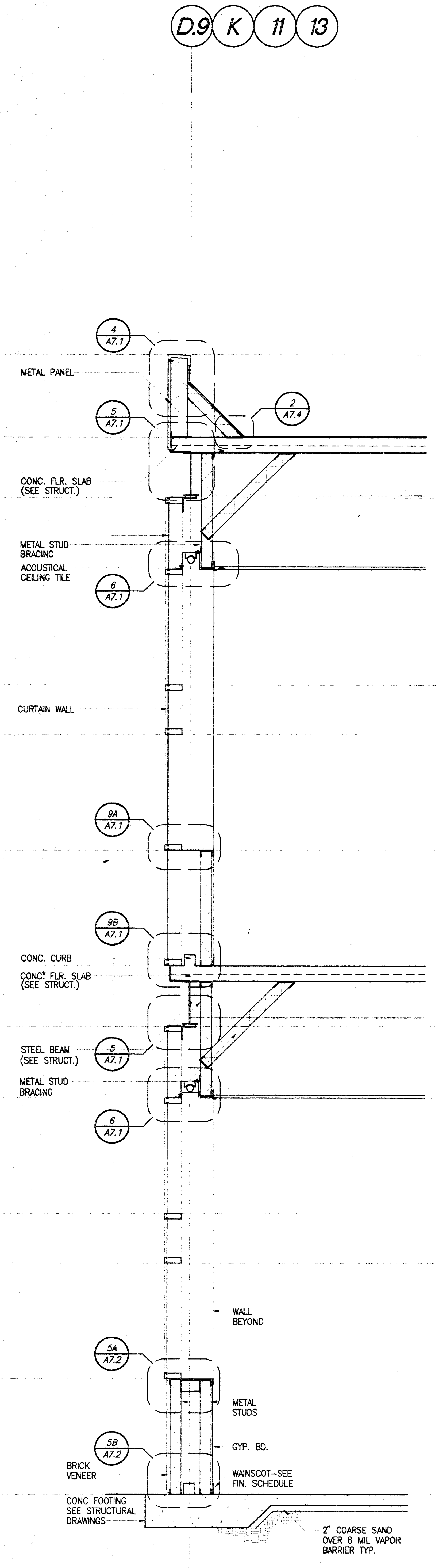
3-20-98

SHEET TITLE

WALL SECTIONS

FILE: CMA6-01
SCALE 1/2"=1'-0"
JOB NO. JGM
DATE 02.20.98

SHEET NO.
A6.1
OF ____ SHEETS



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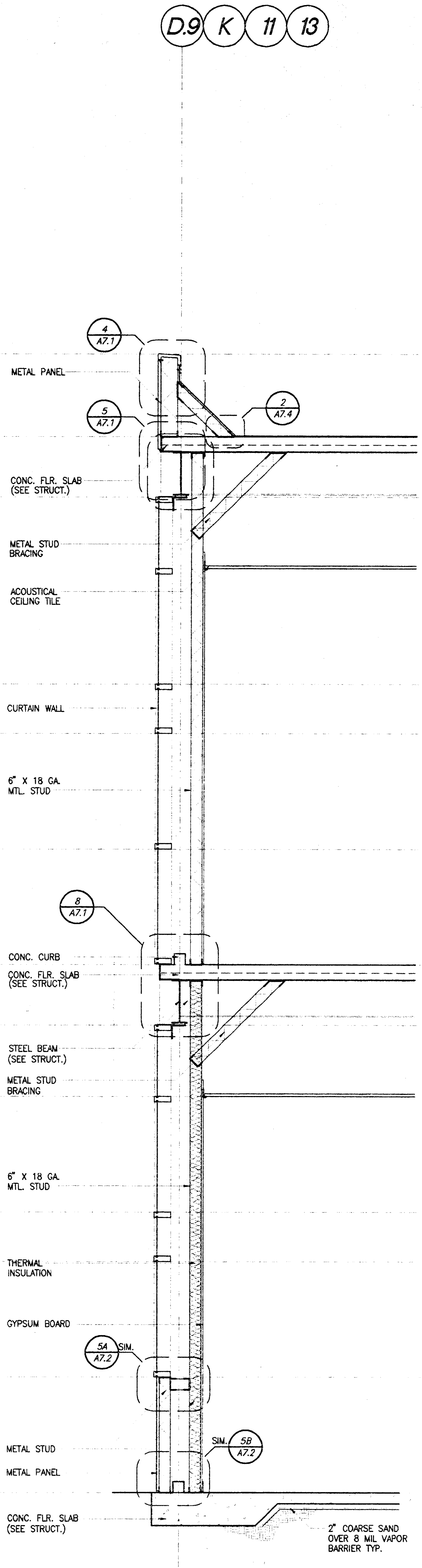

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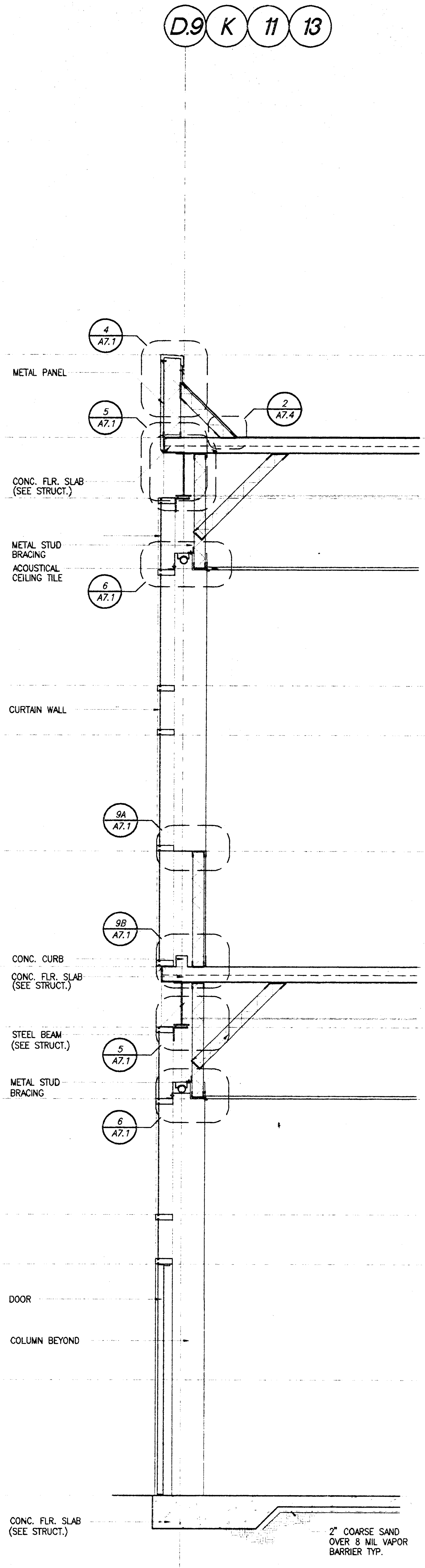

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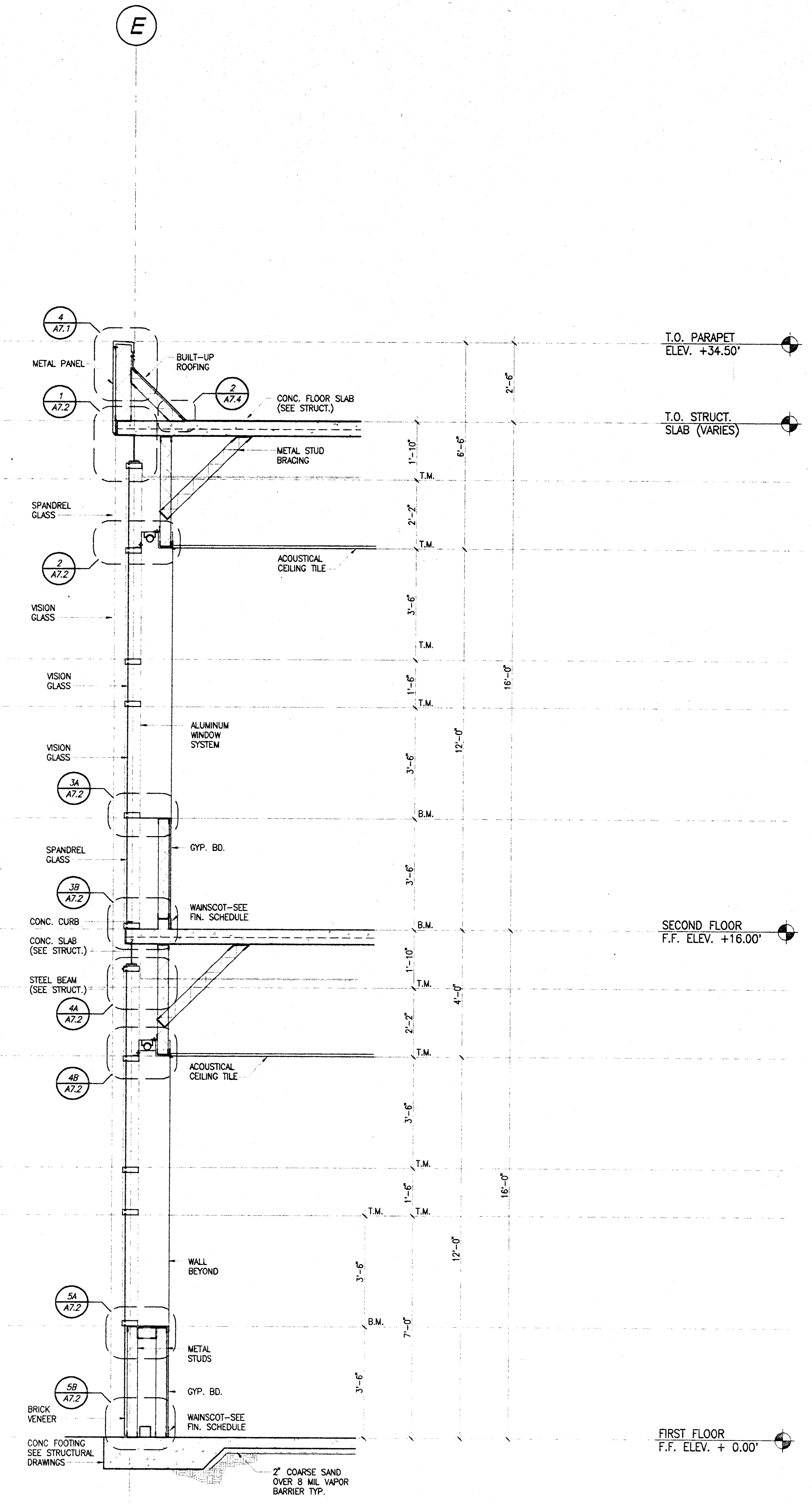

WALL SECTION 1/2"=1'-0" 1 – A6.2

PLOT DATE: 03.06.98

IDENTIFICATION STAMP
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APPL 69120
AC ____ FLS ____ SS MG 1/0
DATE 3-20-98

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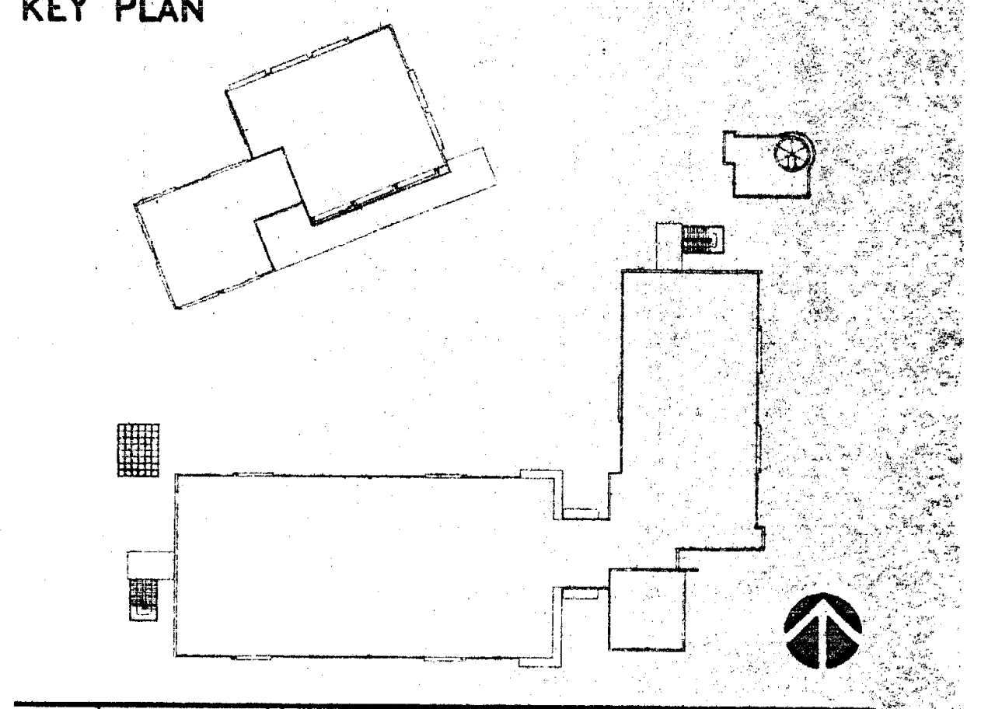
SEAL
MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

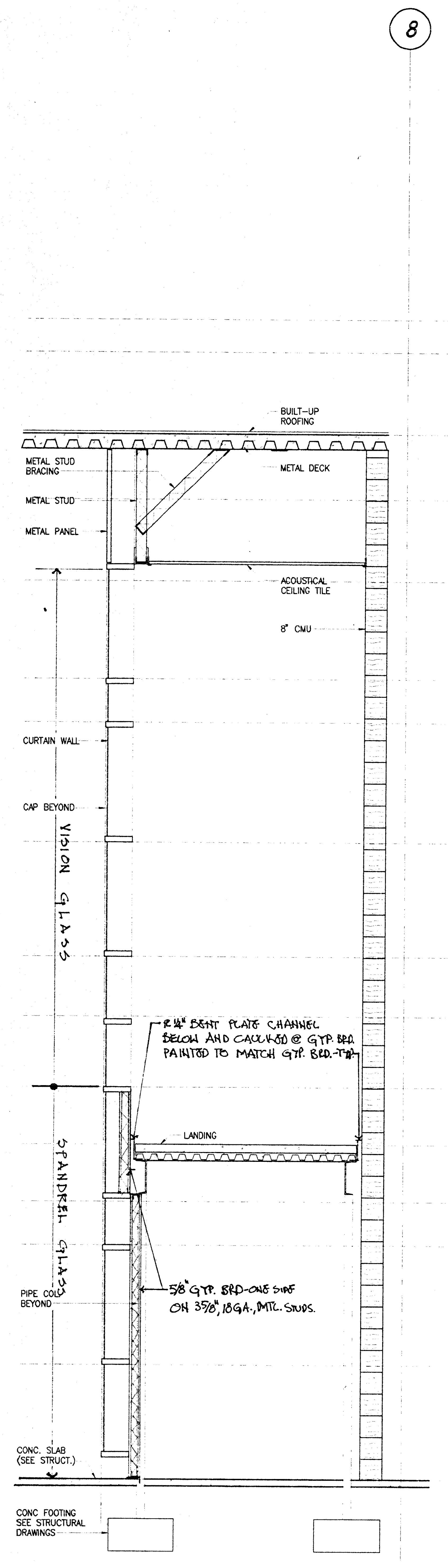
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

WALL SECTIONS

FILE: CMA6-02
SCALE 1/2"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO. A6.2
OF ____ SHEETS



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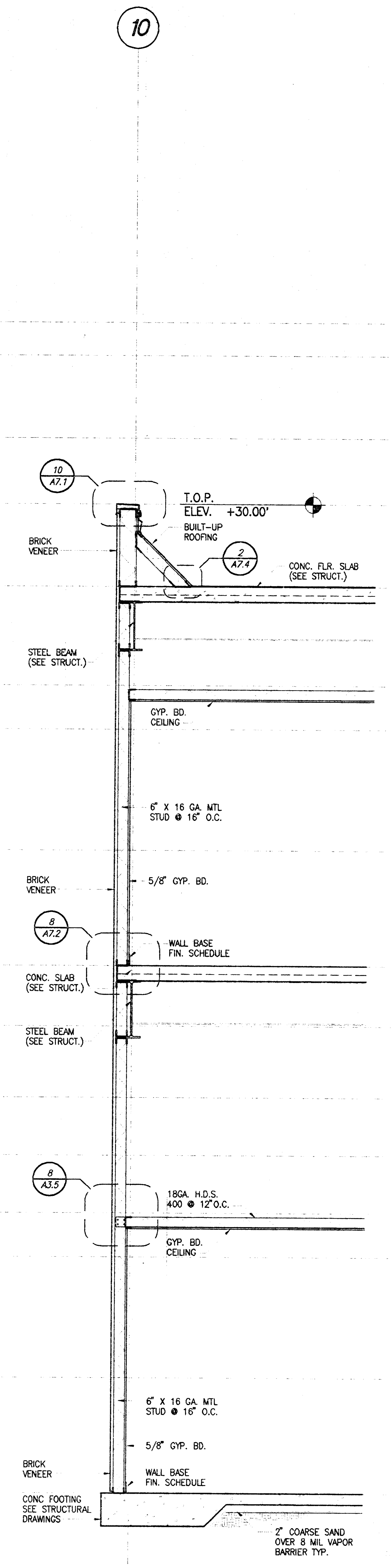

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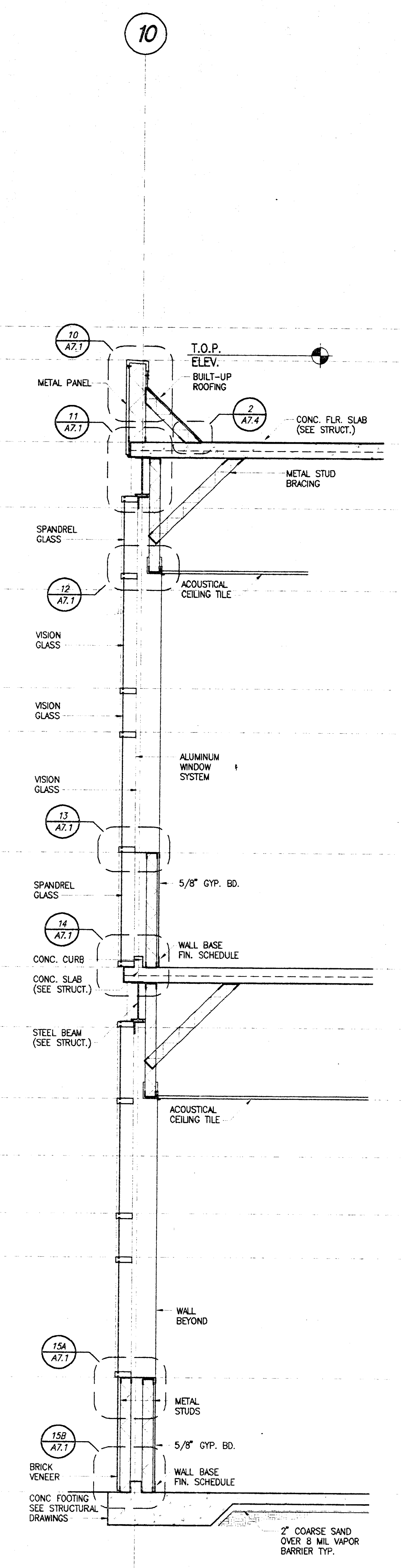

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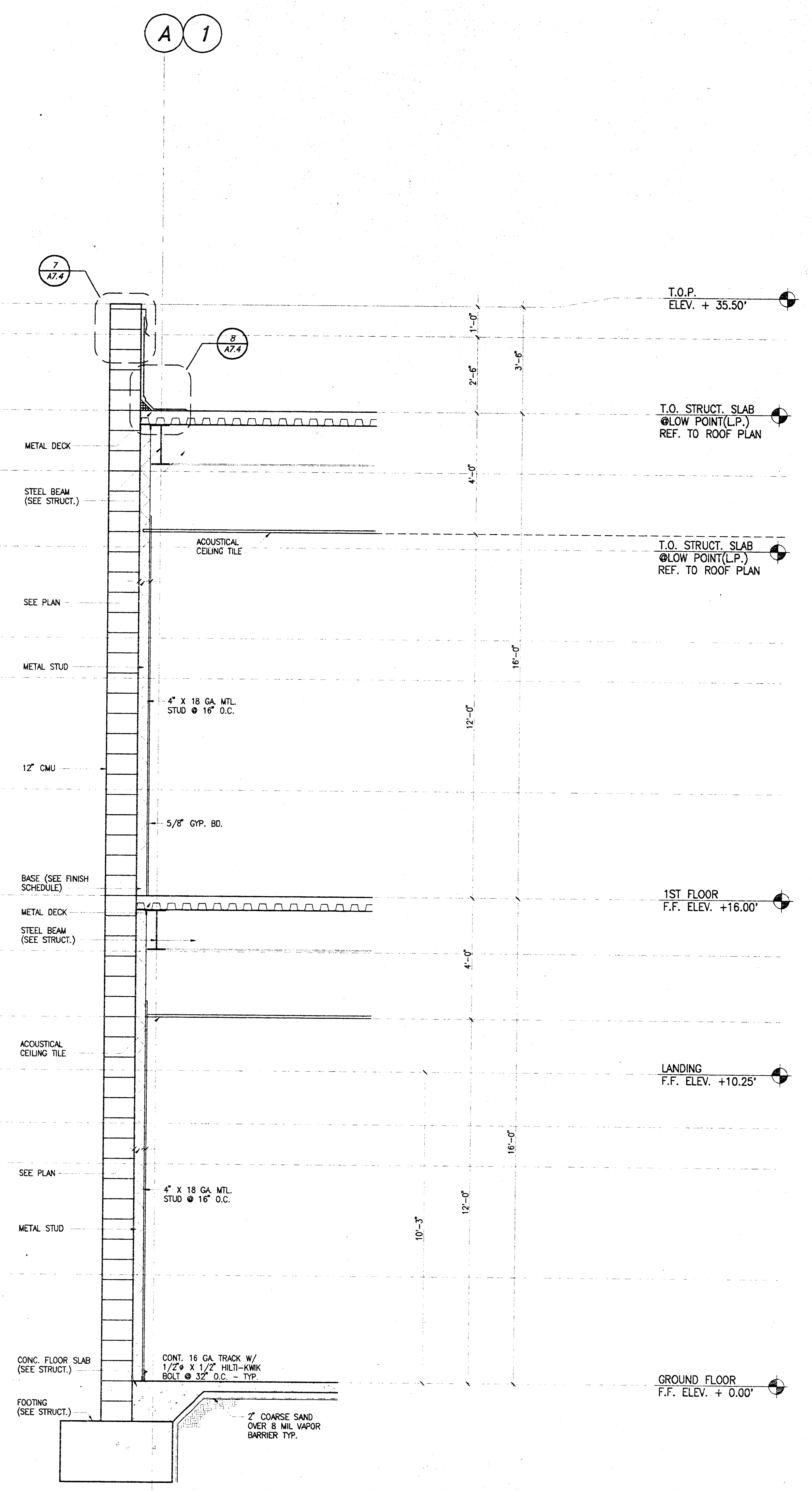

WALL SECTION 1/2"=1'-0" 1 — A6.3

PLOT DATE: 03.17.98

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APPROVED JGM

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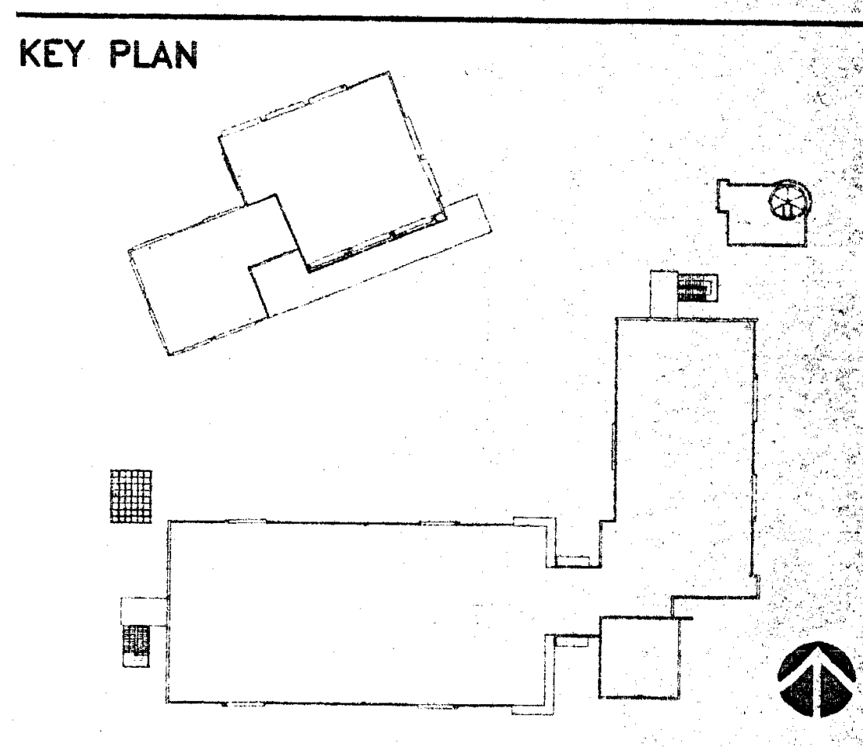
MORRIS R. POINDEXTER
3-31-99
RENEWAL DATE

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

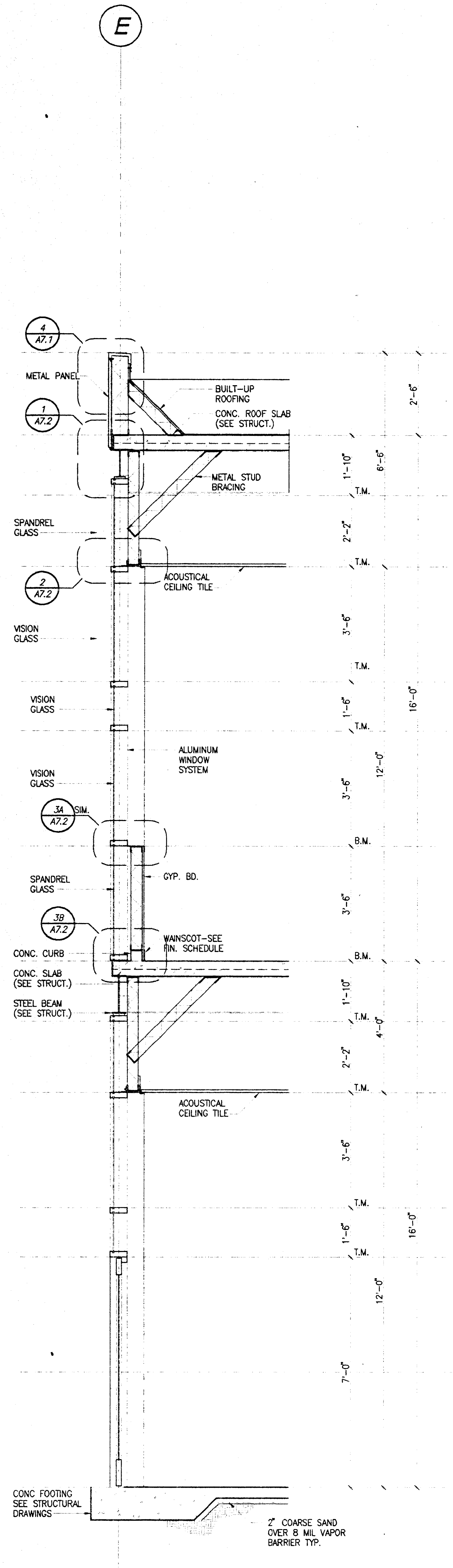
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC FLS SS
3-22-98

SHEET TITLE

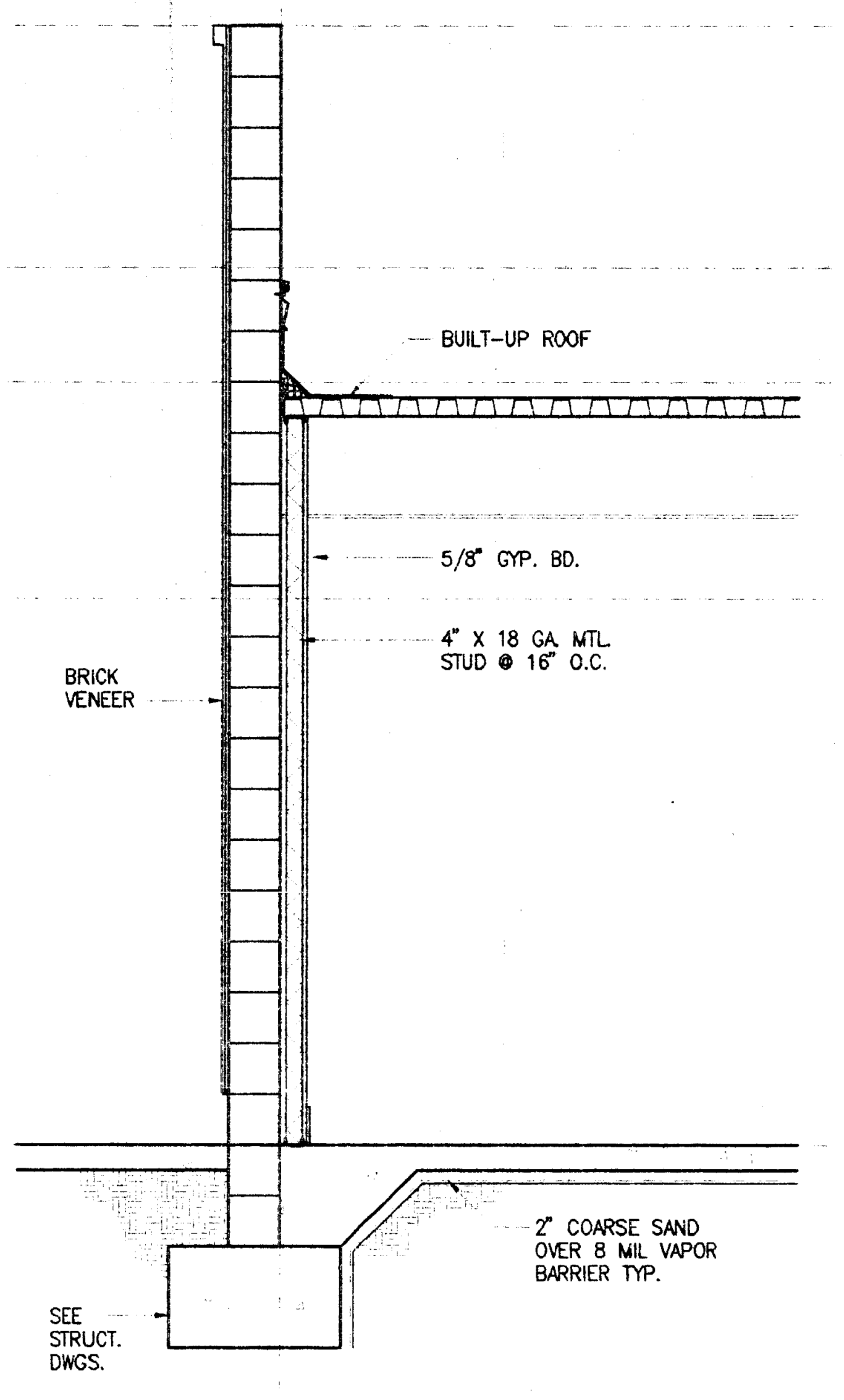
WALL SECTION

FILE: CMA6-03
SCALE 1/2"=1'-0"
JOB NO. JGM
DATE 03.06.98

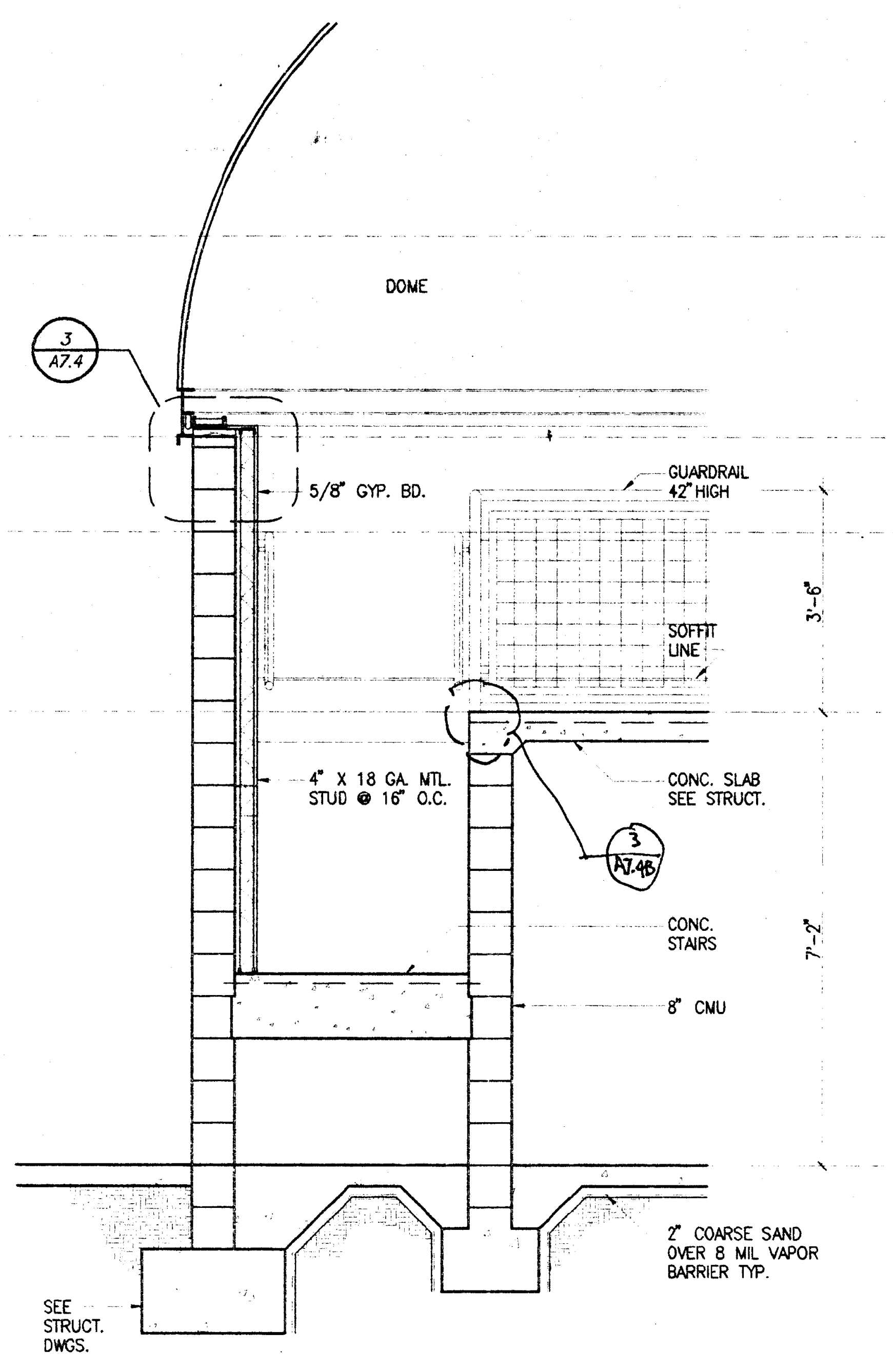
SHEET NO.
A6.3
OF SHEETS



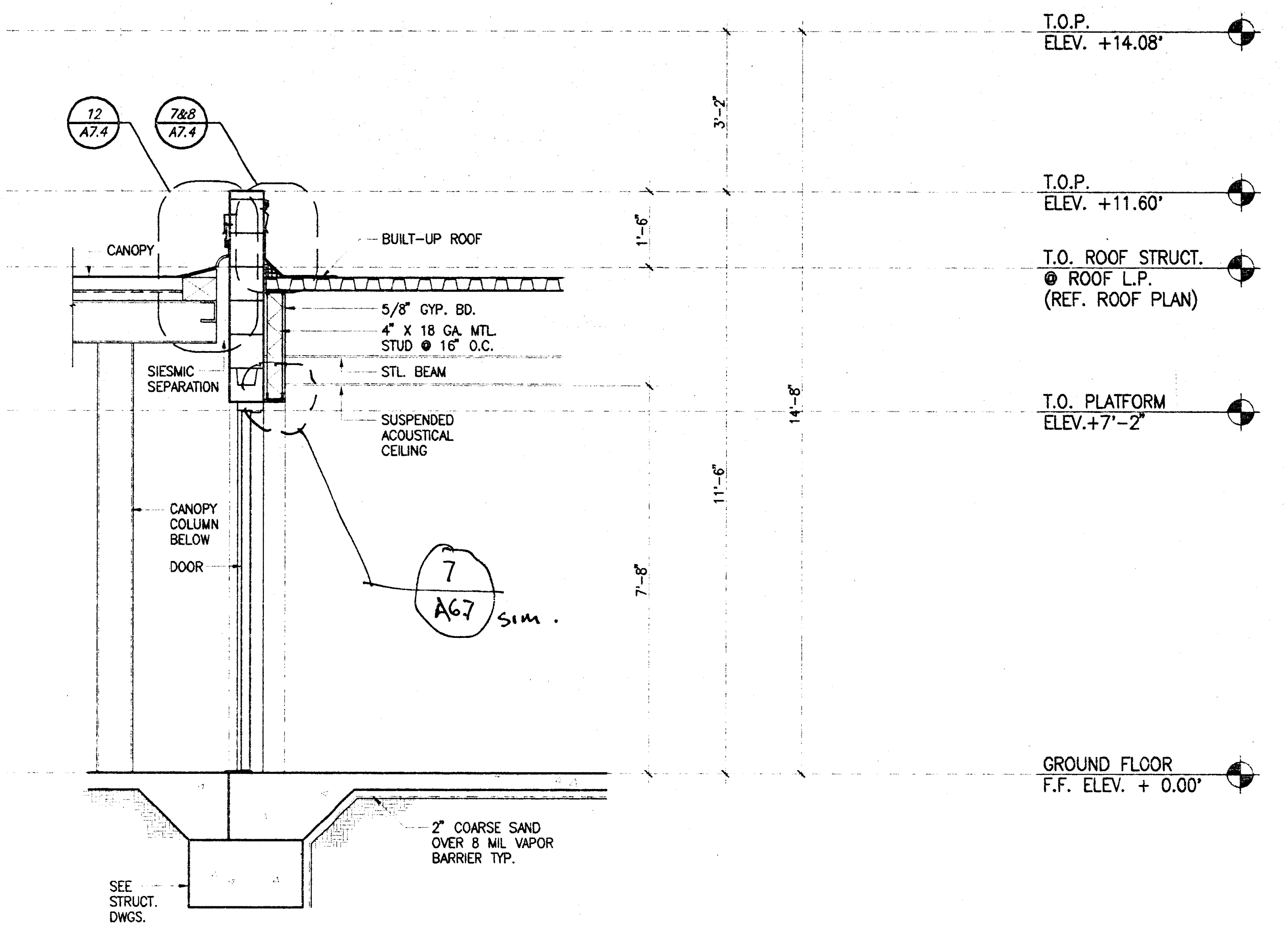
WALL SECTION • M.S. BLDG 1/2"=1'-0" 7 — A2.1



WALL SECTION • OBSERVATORY 1/2"=1'-0" 3 — A6.4



WALL SECTION • OBSERVATORY 1/2"=1'-0" 2 — A2.8



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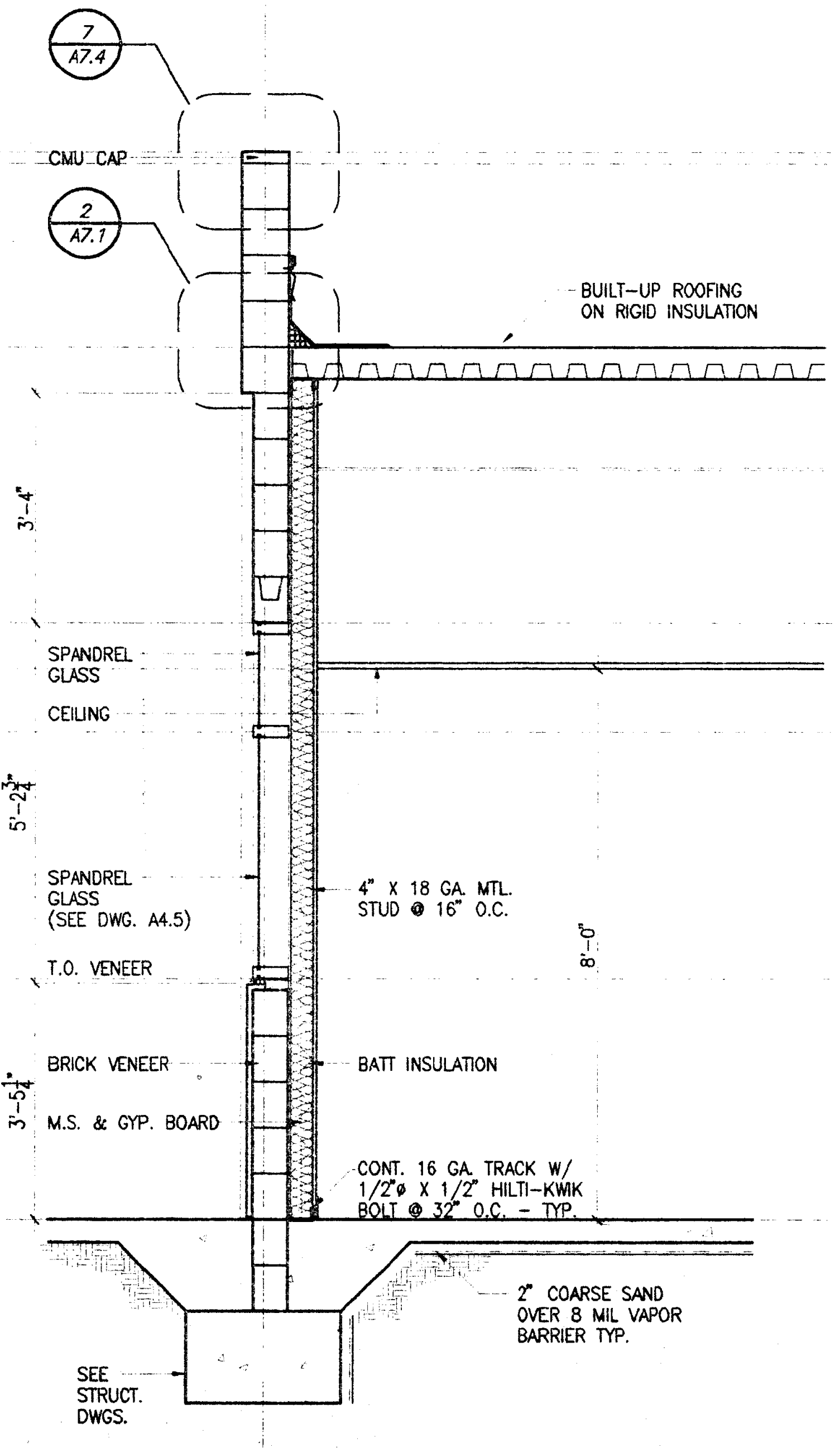

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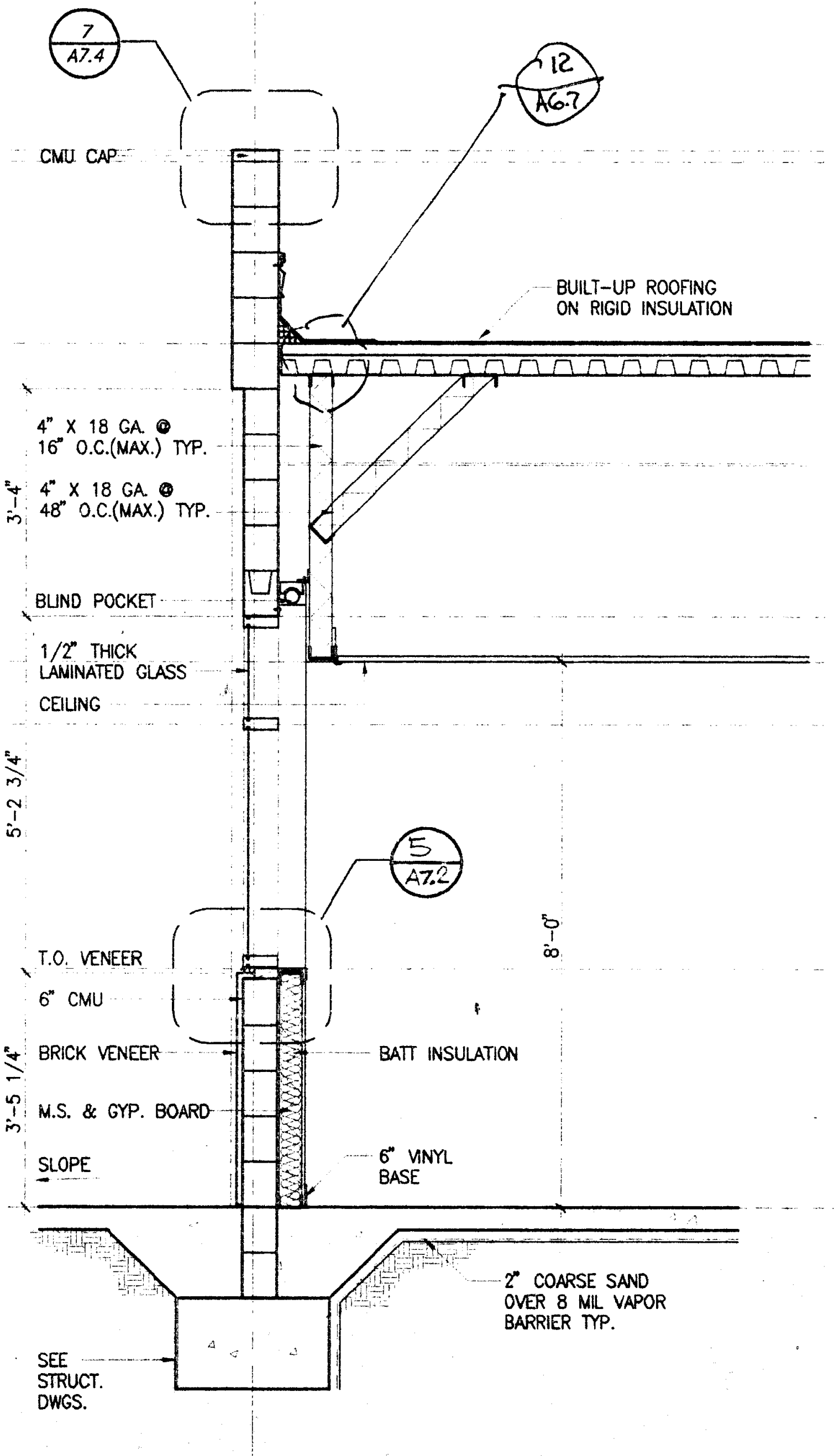

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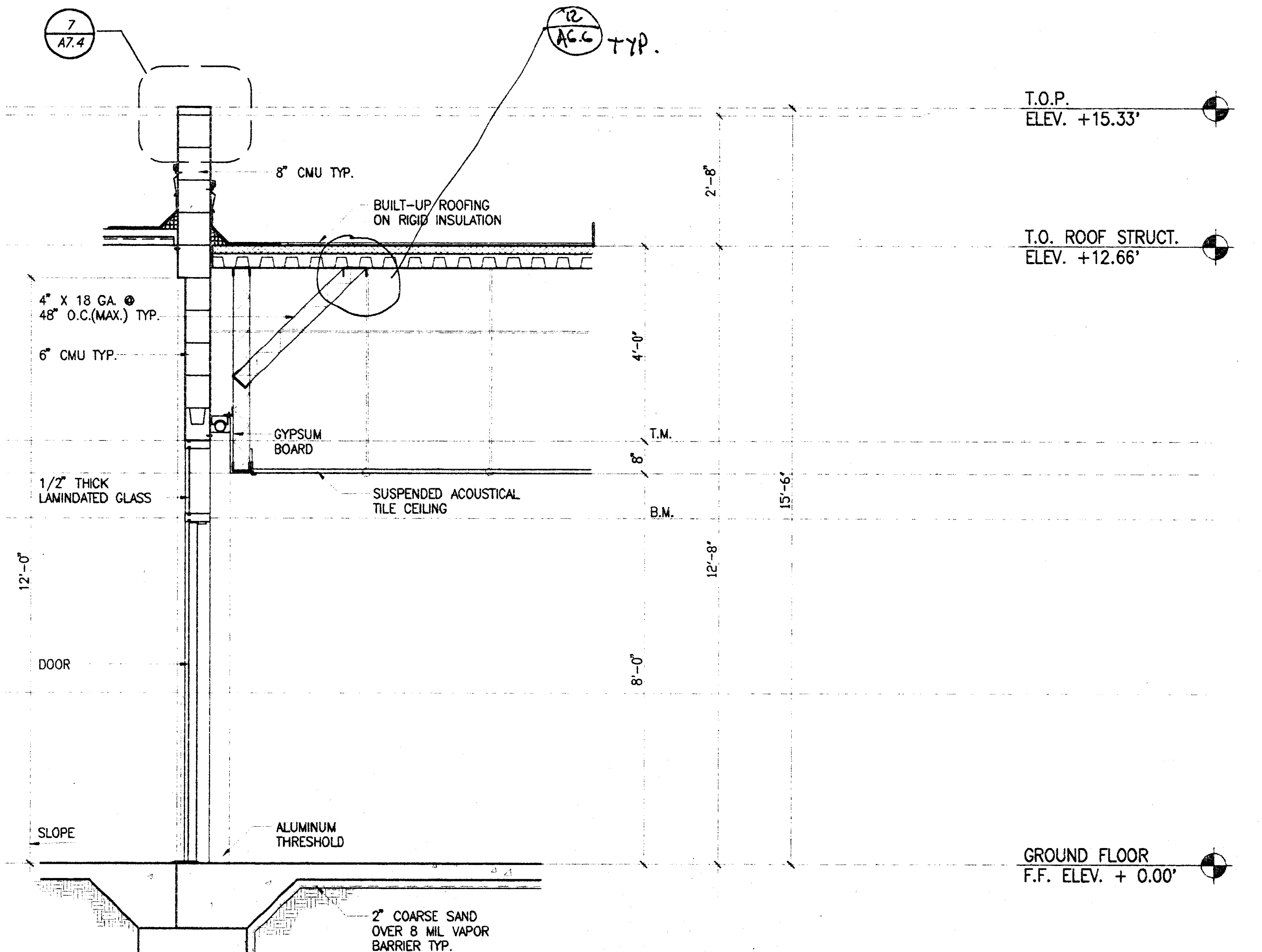

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
APPL 69120
AC W FLS ____ SS V16 16
DATE 3-20-98

WALL SECTION • MIS PRINT SHOP 1/2"=1'-0" 4 — A6.4

PLOT DATE: 03.17.98

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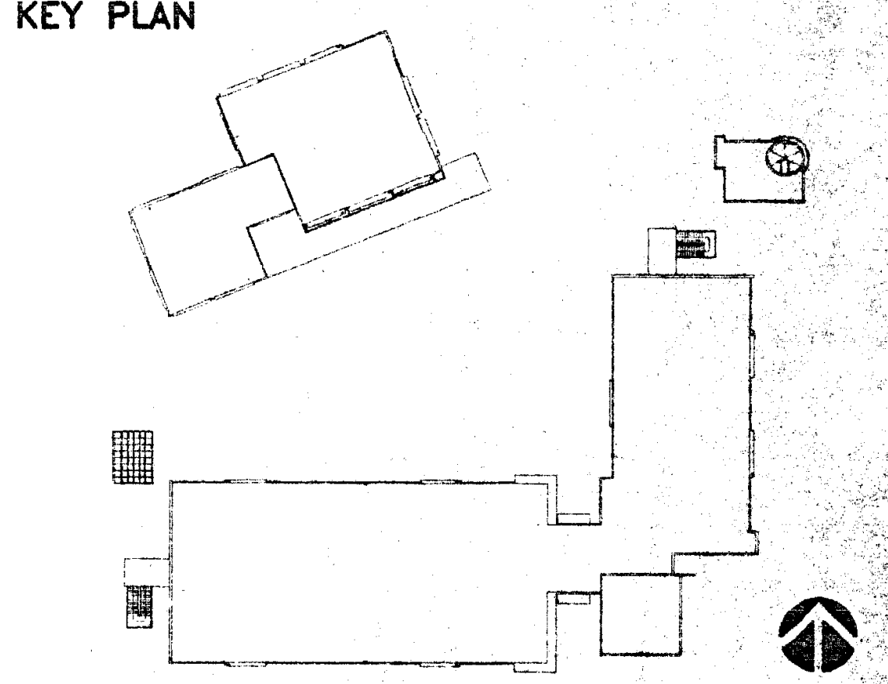
GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

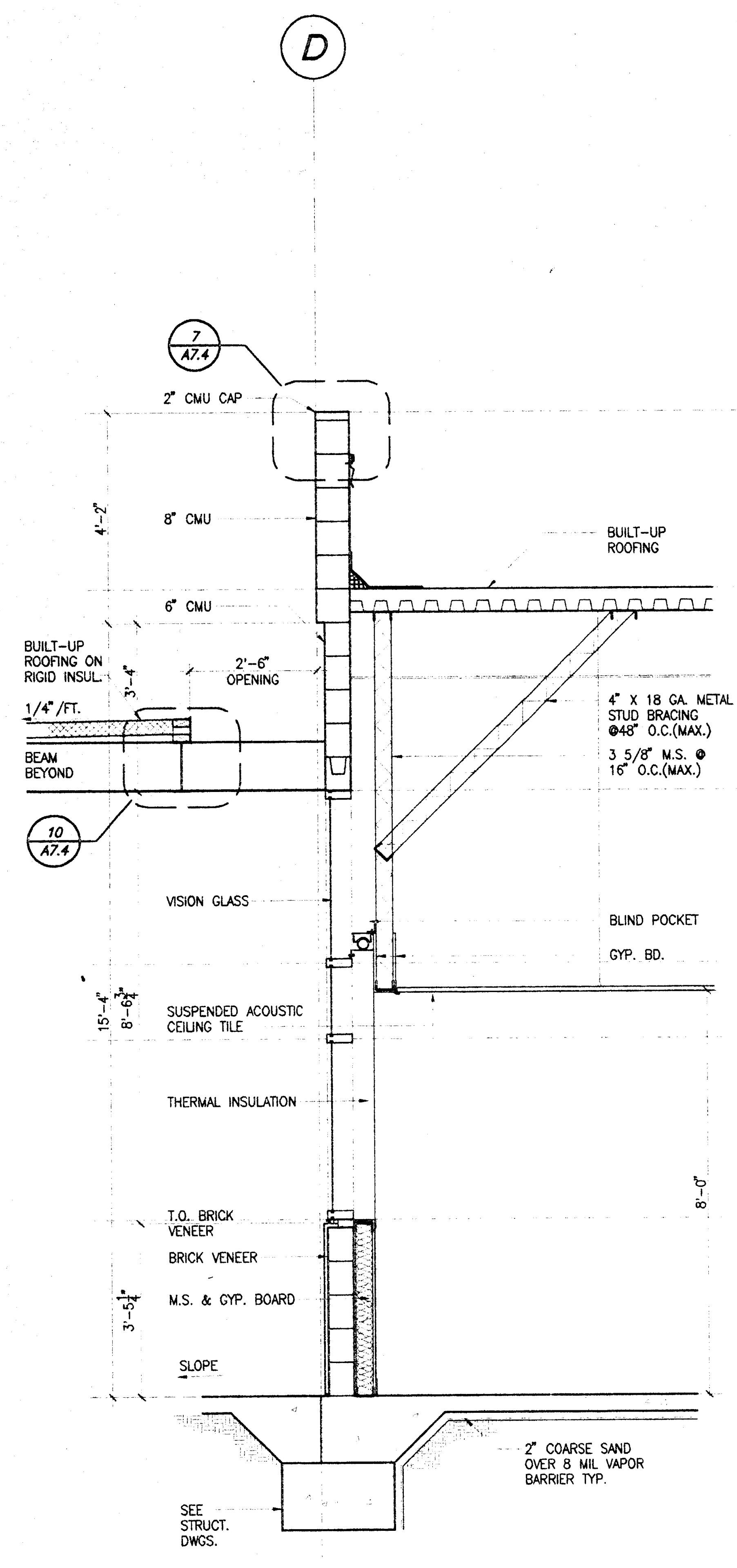
PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

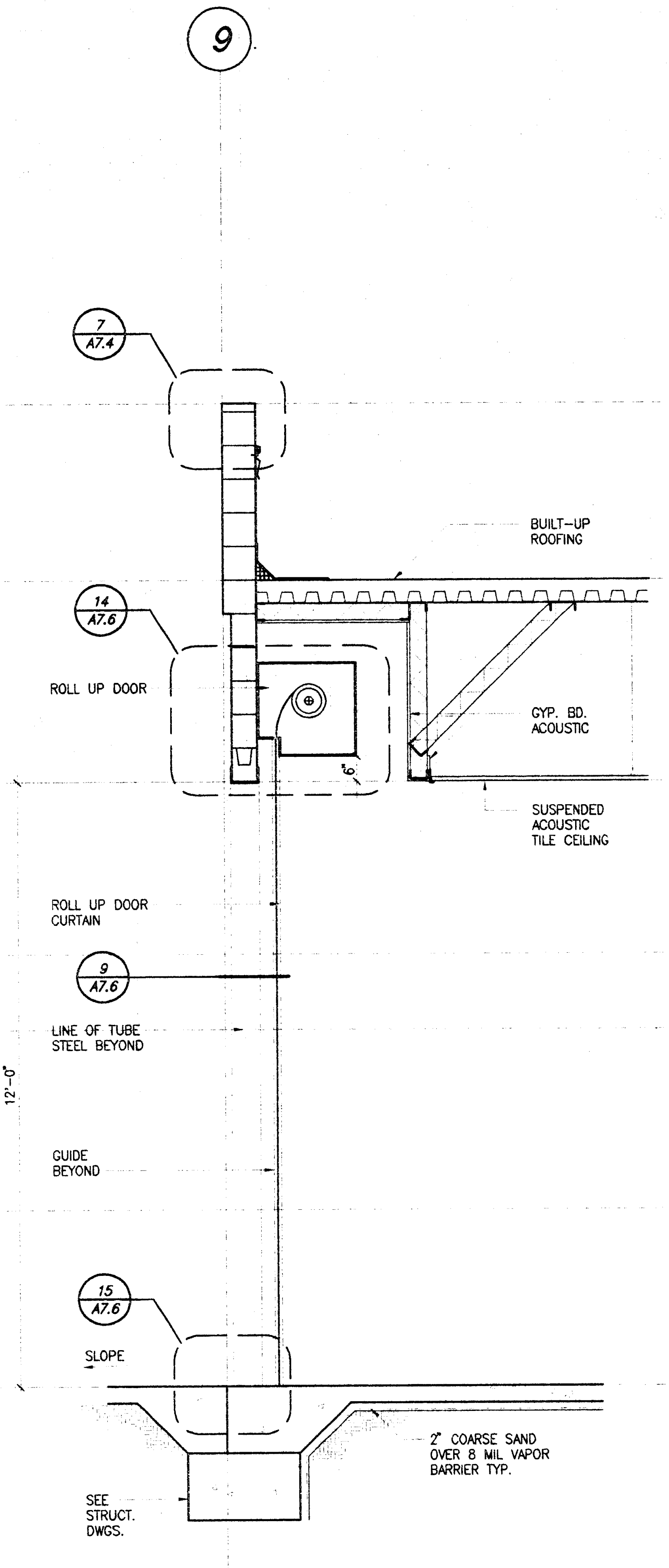
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
OBSERVATORY / MIS
WALL SECTIONS
+ DETAILS

FILE: *CMA6-04*
SCALE *1/2"=1'-0"*
JOB NO. *JGM*
DATE 03.06.98
SHEET NO. A6.4
OF ____ SHEETS



WALL SECTION • PRINT SHOP 1/2"=1-0" – 4 A2.4



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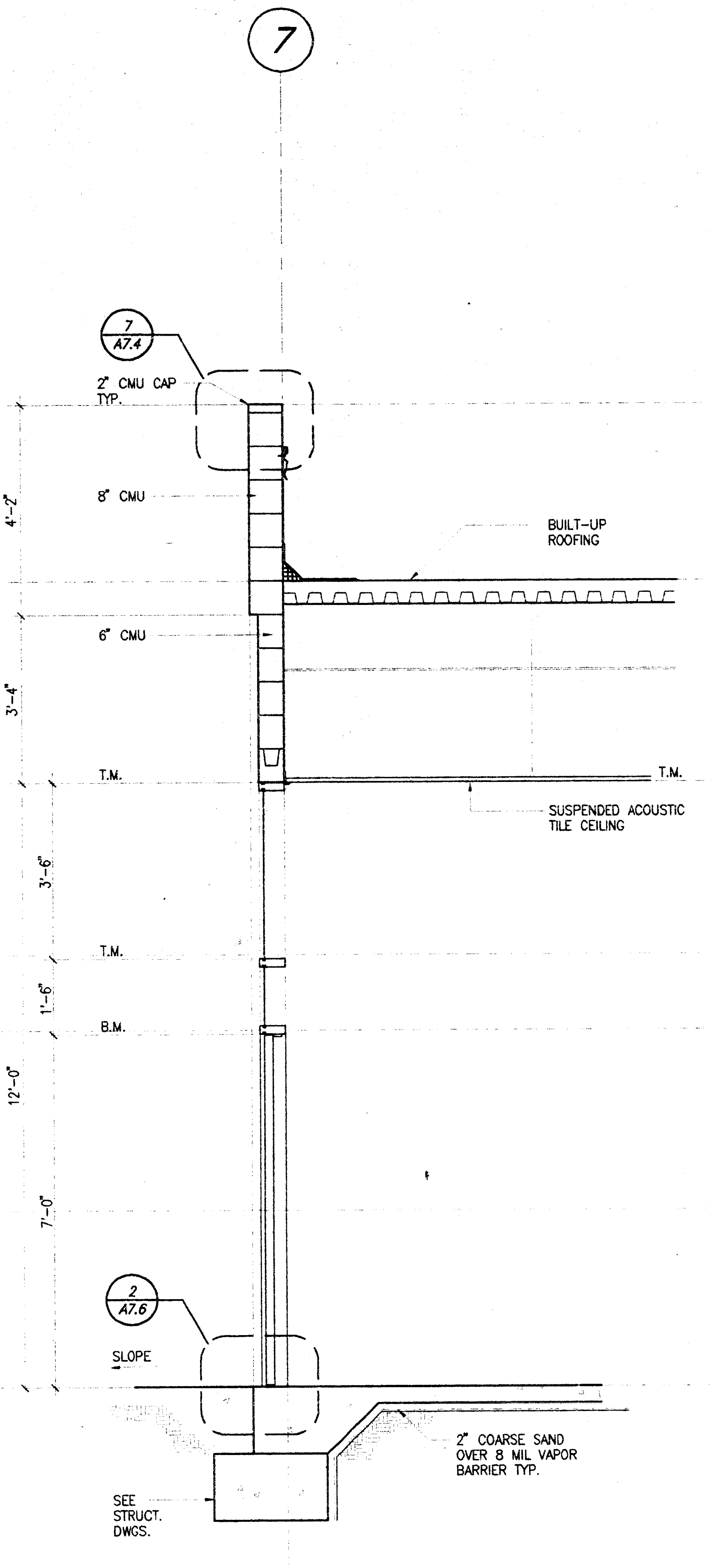

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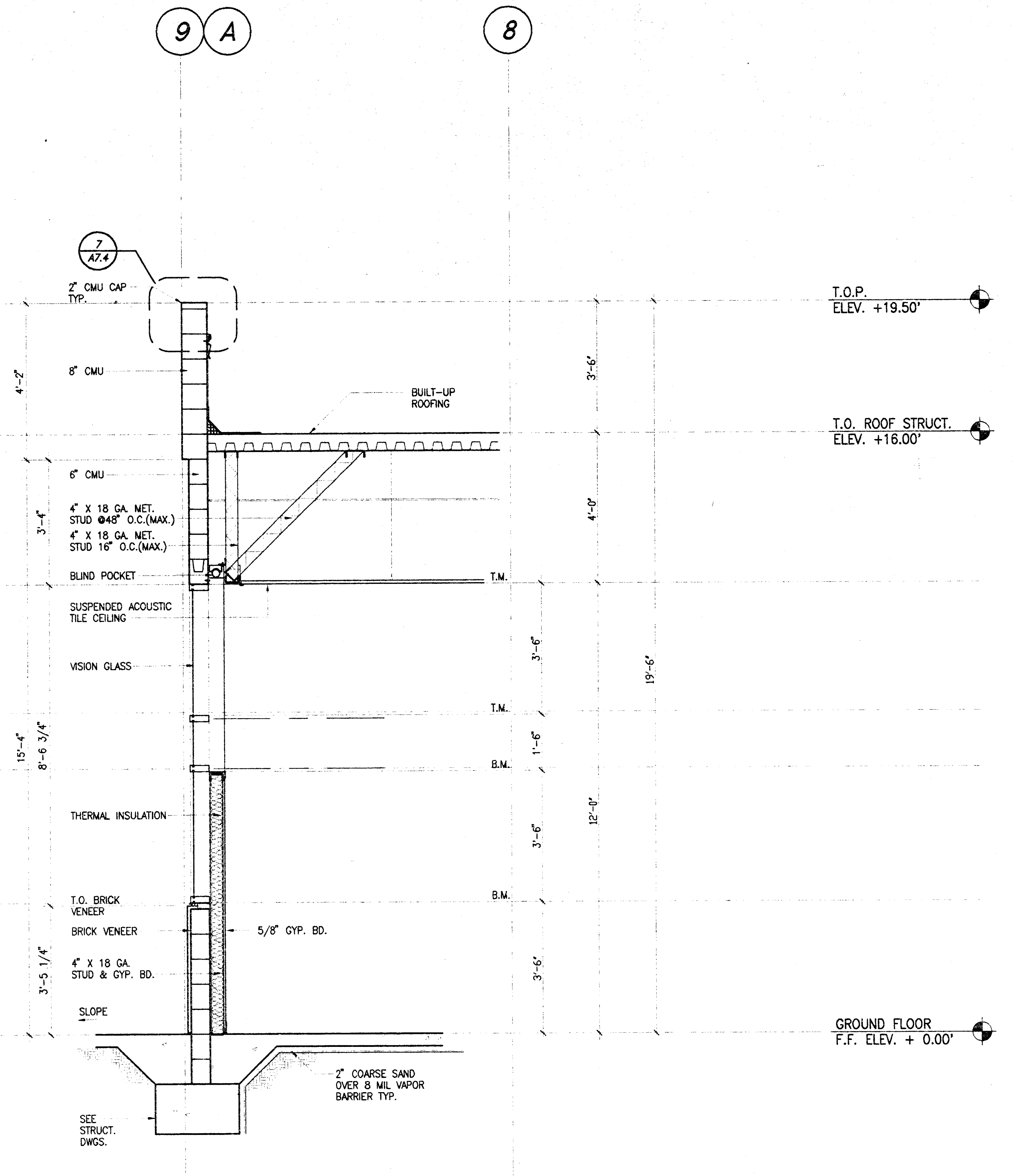

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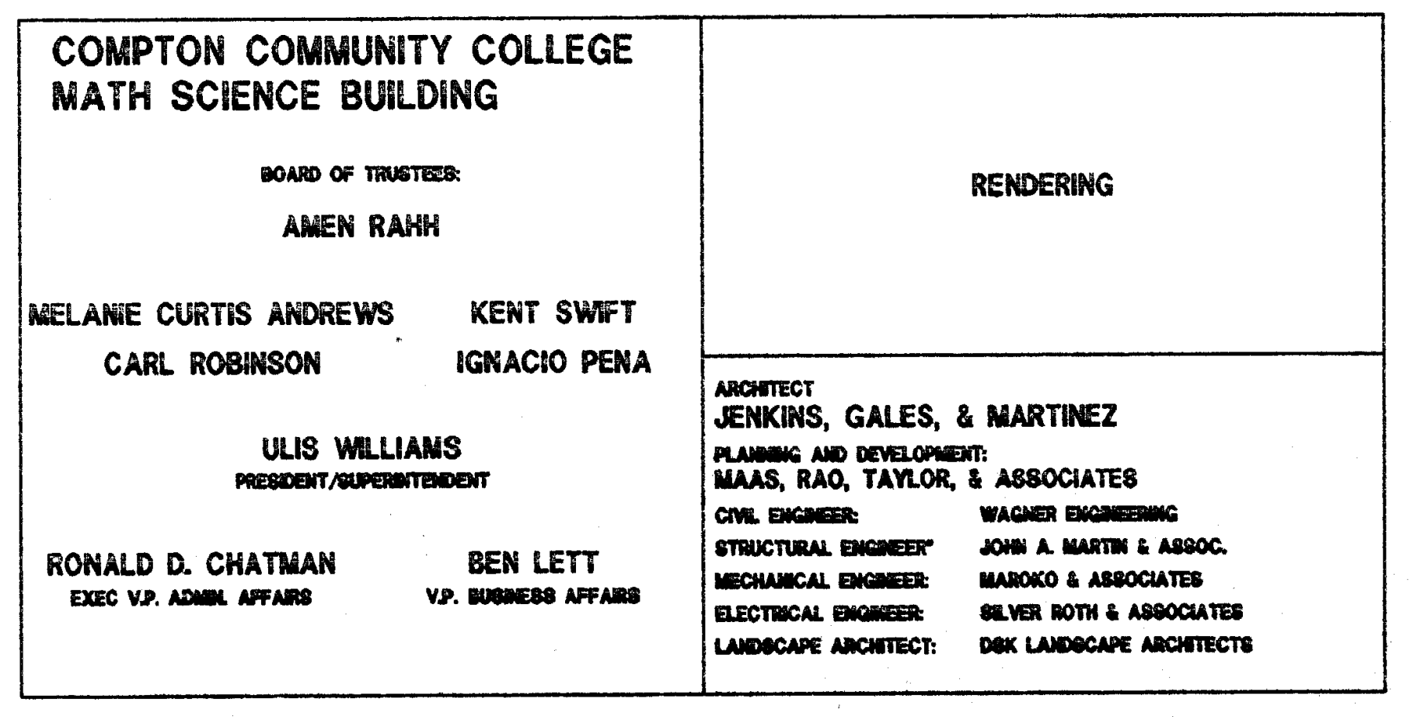

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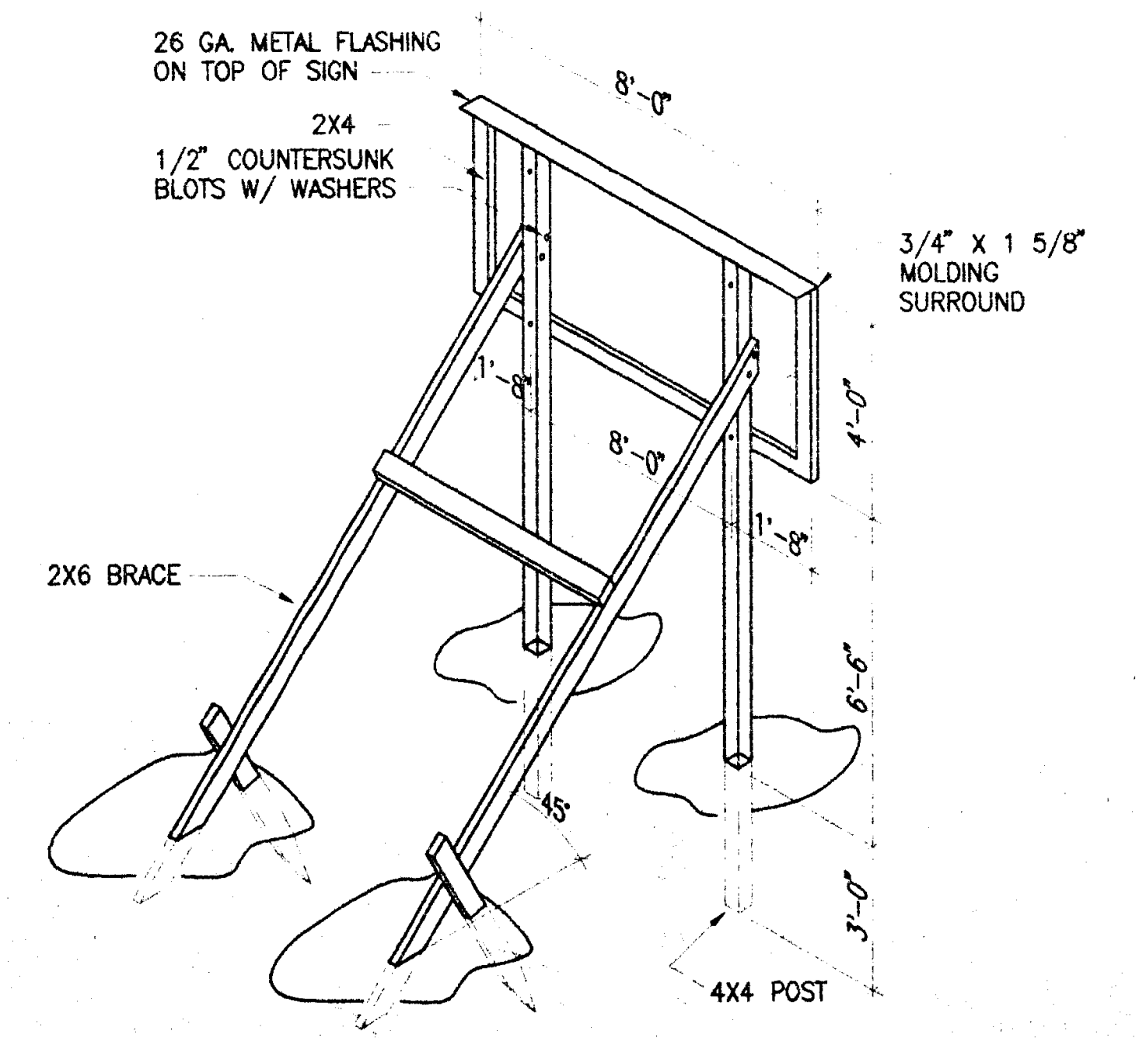
NOTE: ACTUAL NAMES AND TITLE OF BOARD MEMBER TO BE FINALIZED PRIOR TO FABRICATION OF SIGN



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AC W FLS ___ SS WLO
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PLOT DATE: 03.06.98

NOT USED – – 9 A#.#

NOT USED – – 8 A#.#

NOT USED – – 7 A#.#

CONSTRUCTION SIGN 1 1/2"=1'-0" DE10078A 6 –

CONSTRUCTION SIGN-MOUNTING DET. 1/4"=1'-0" DE10078B 5 –

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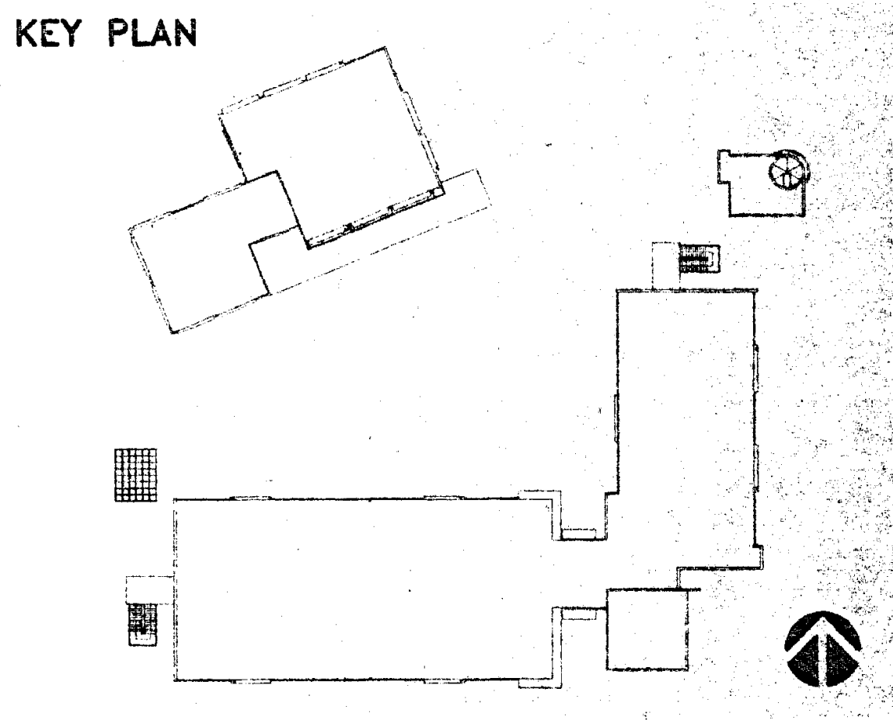
RENEWAL DATE

GENERAL NOTES:

KEY PLAN



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PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

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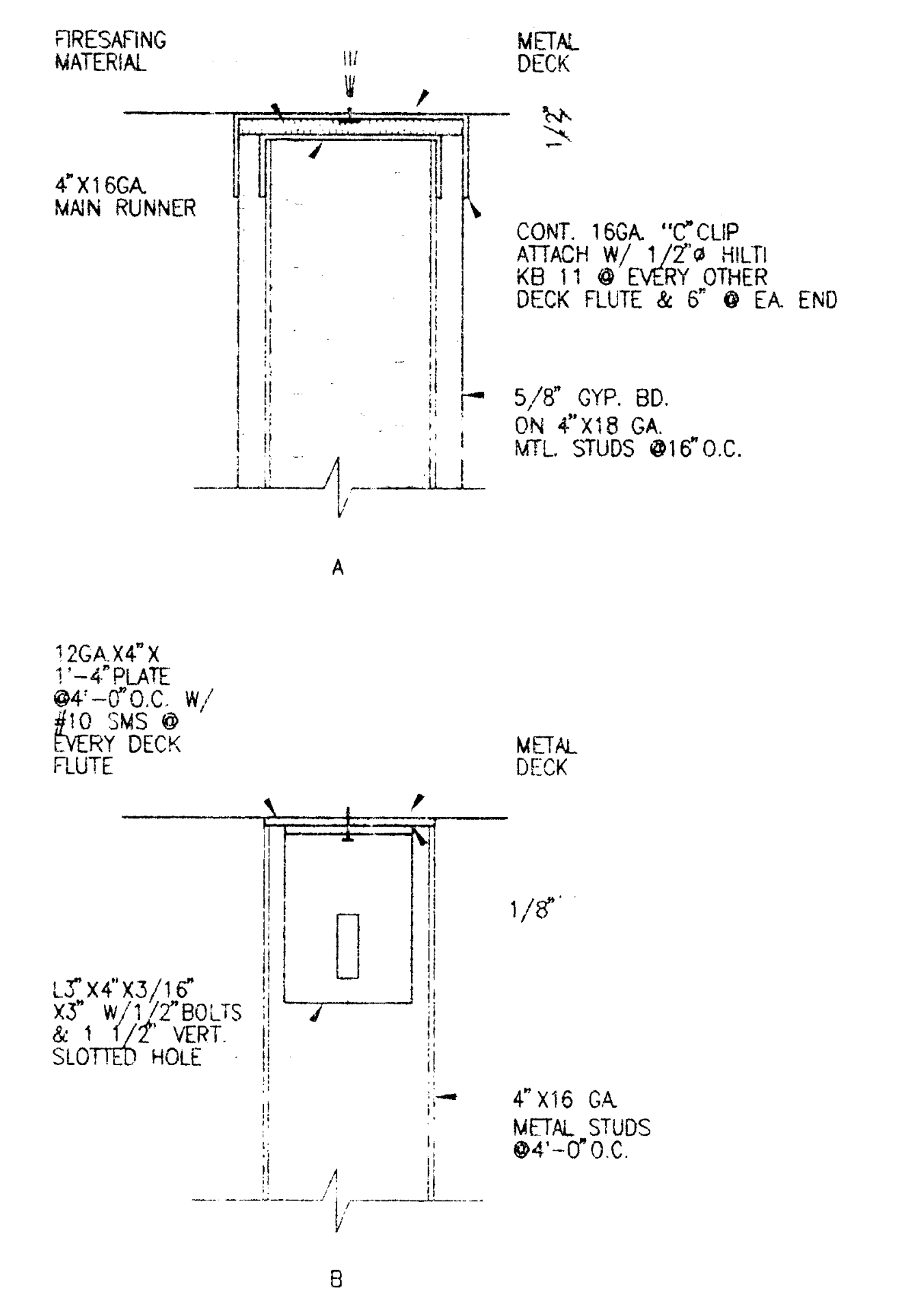
SHEET TITLE

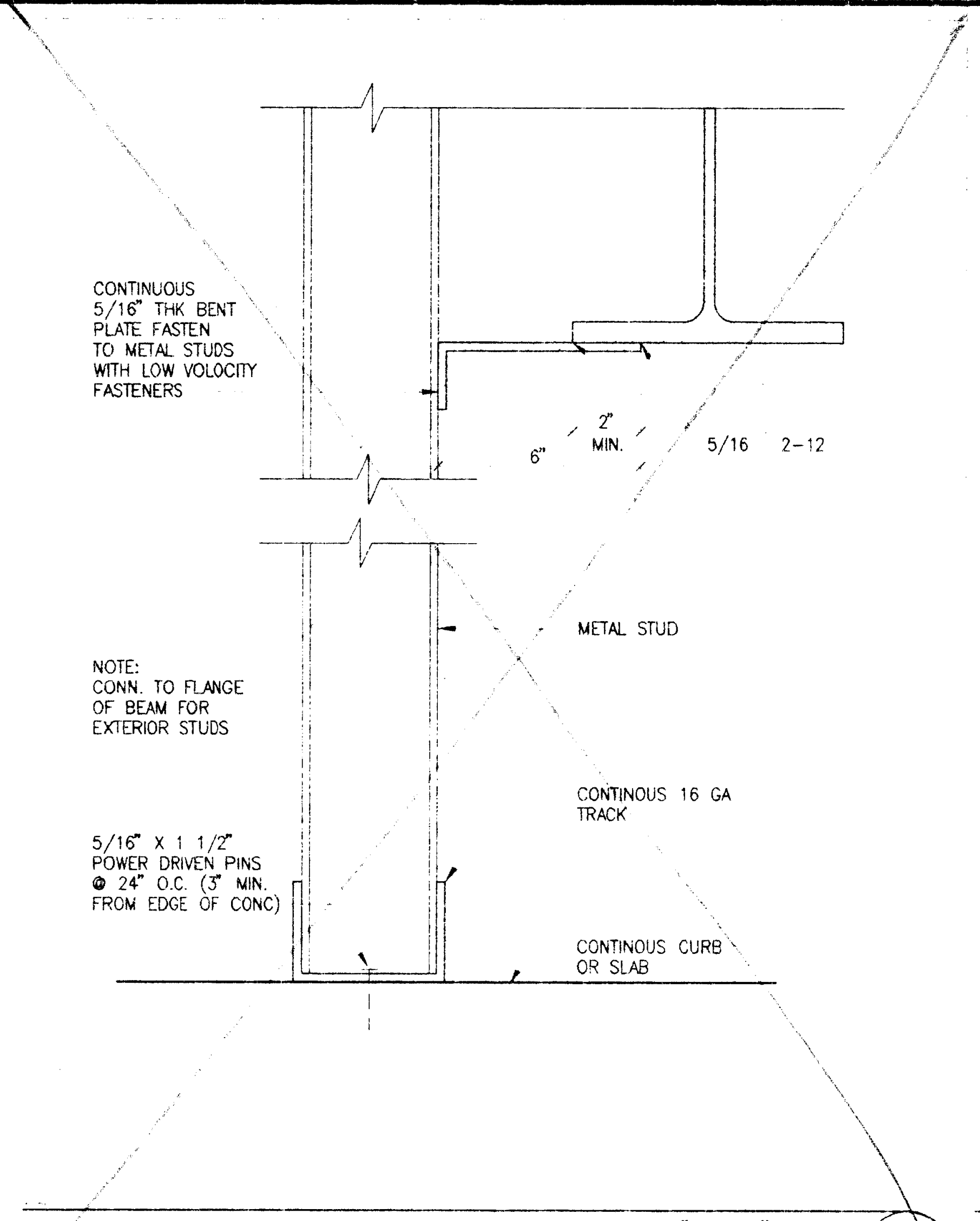
PRINT SHOP WALL SECTIONS

FILE: CMA6-05
SCALE 1/2"=1'-0"
JOB NO. JGM
DATE 03.06.98

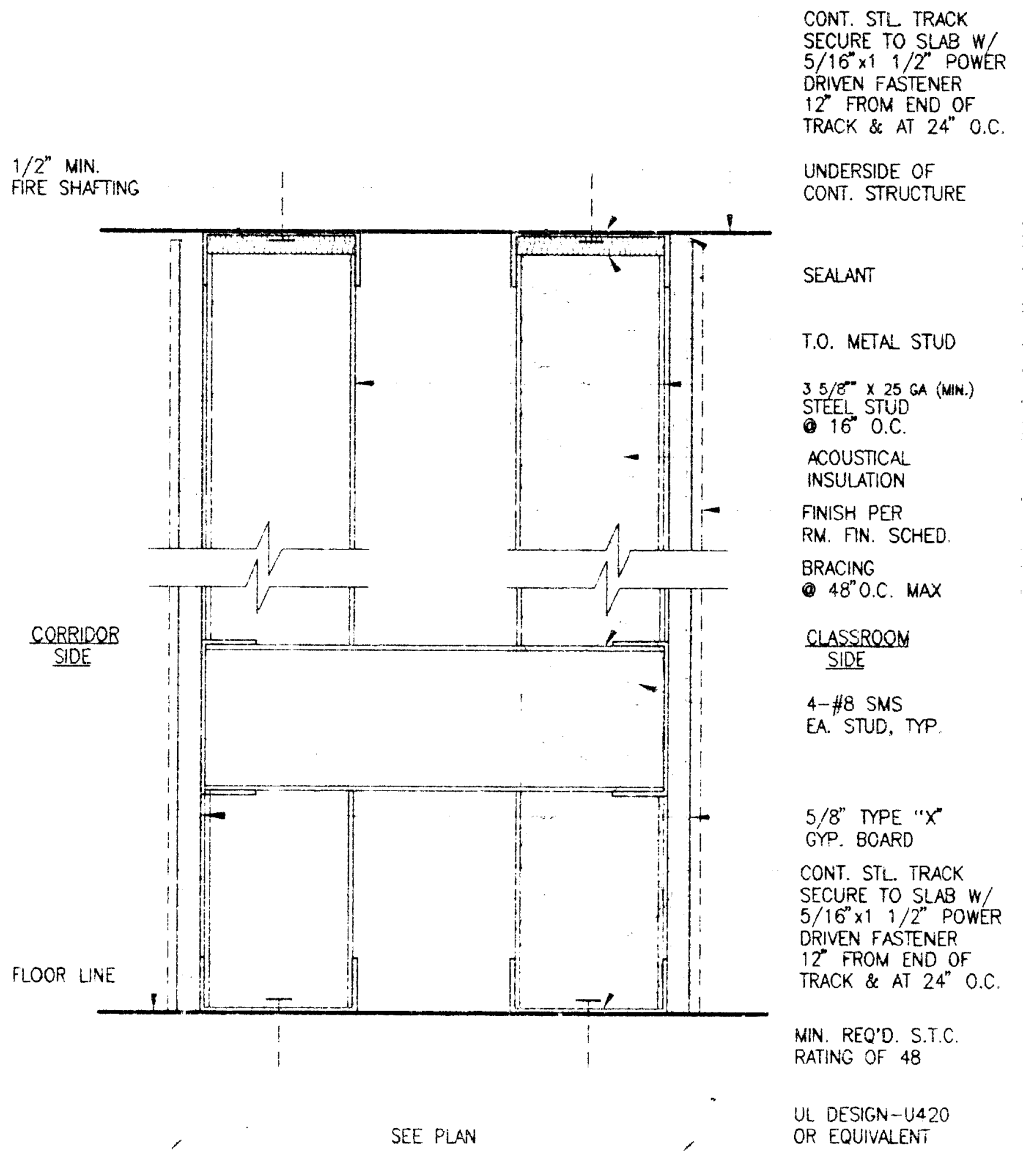
SHEET NO.
A6.5
OF ___ SHEETS



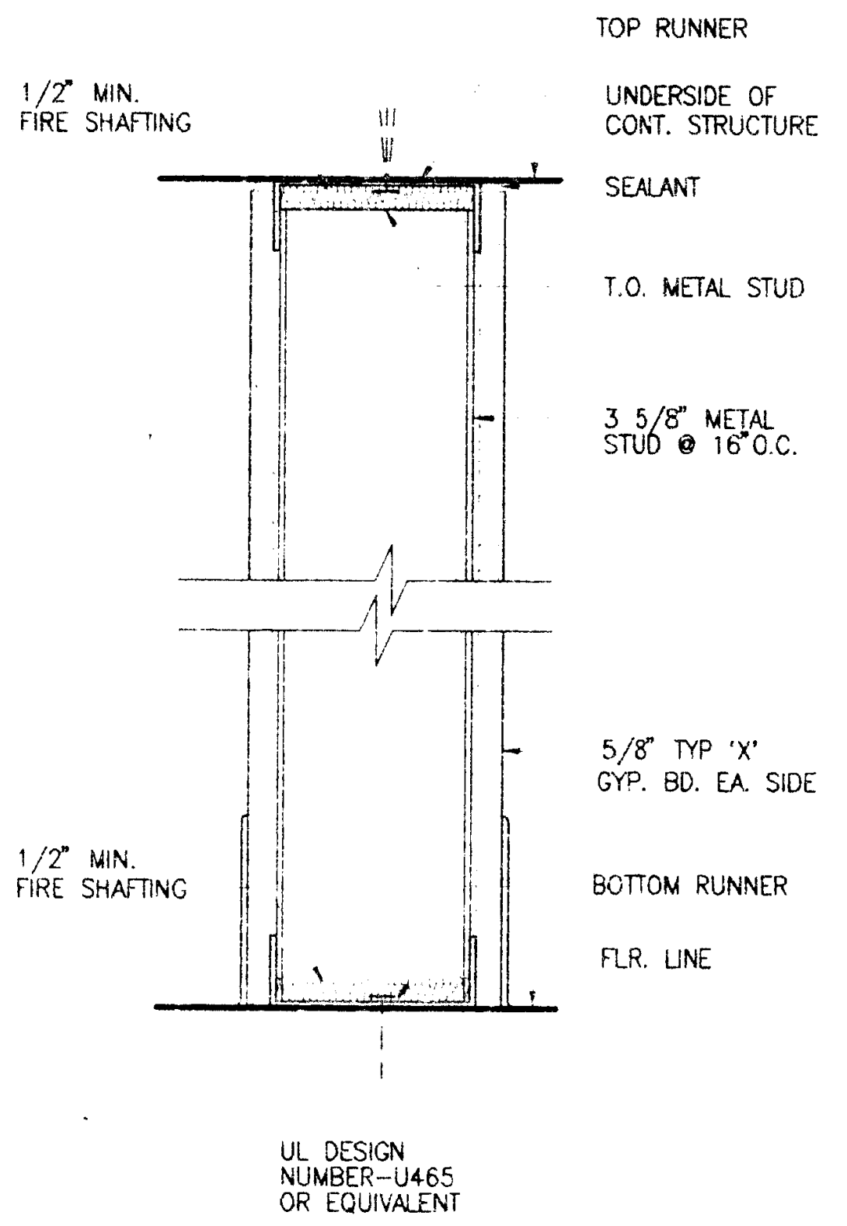
PARTITIONS PERPEND. TO METAL DECK
3"=1'-0"
13
DE05038N
A2.1



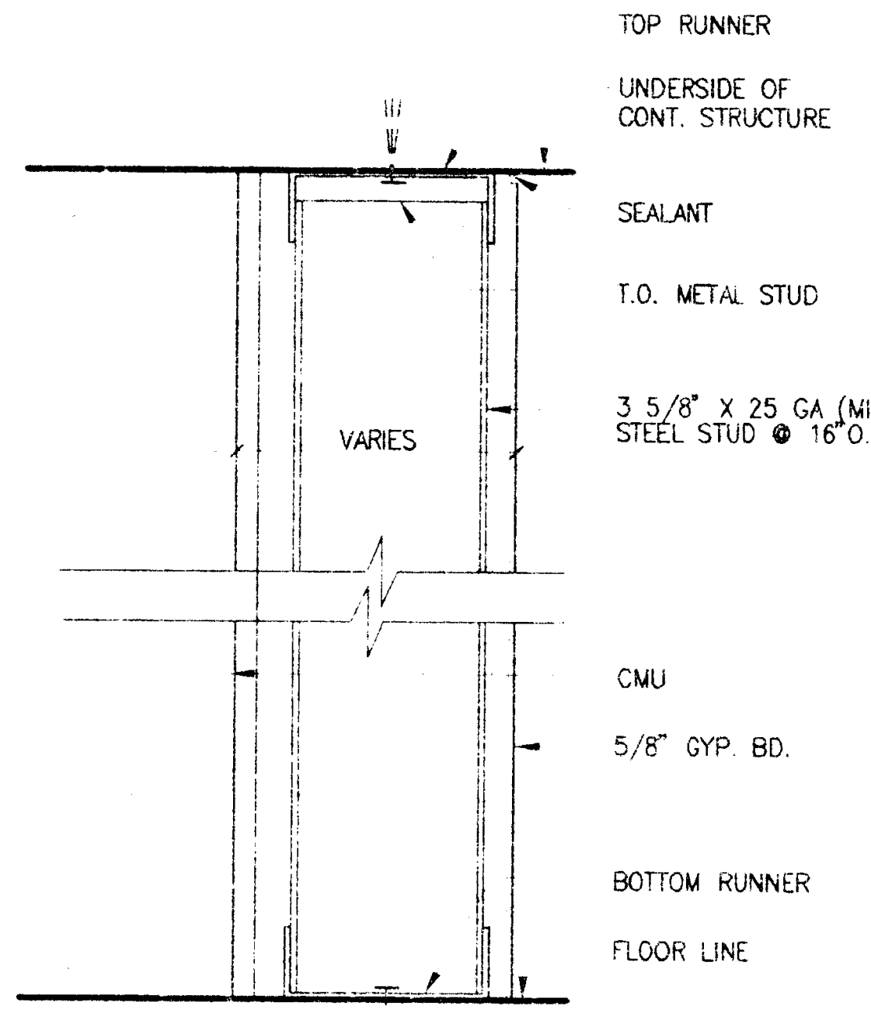
~~TYP. STUD CONNECTION~~
3"=1'-0"
10
DE05038H
A2.1



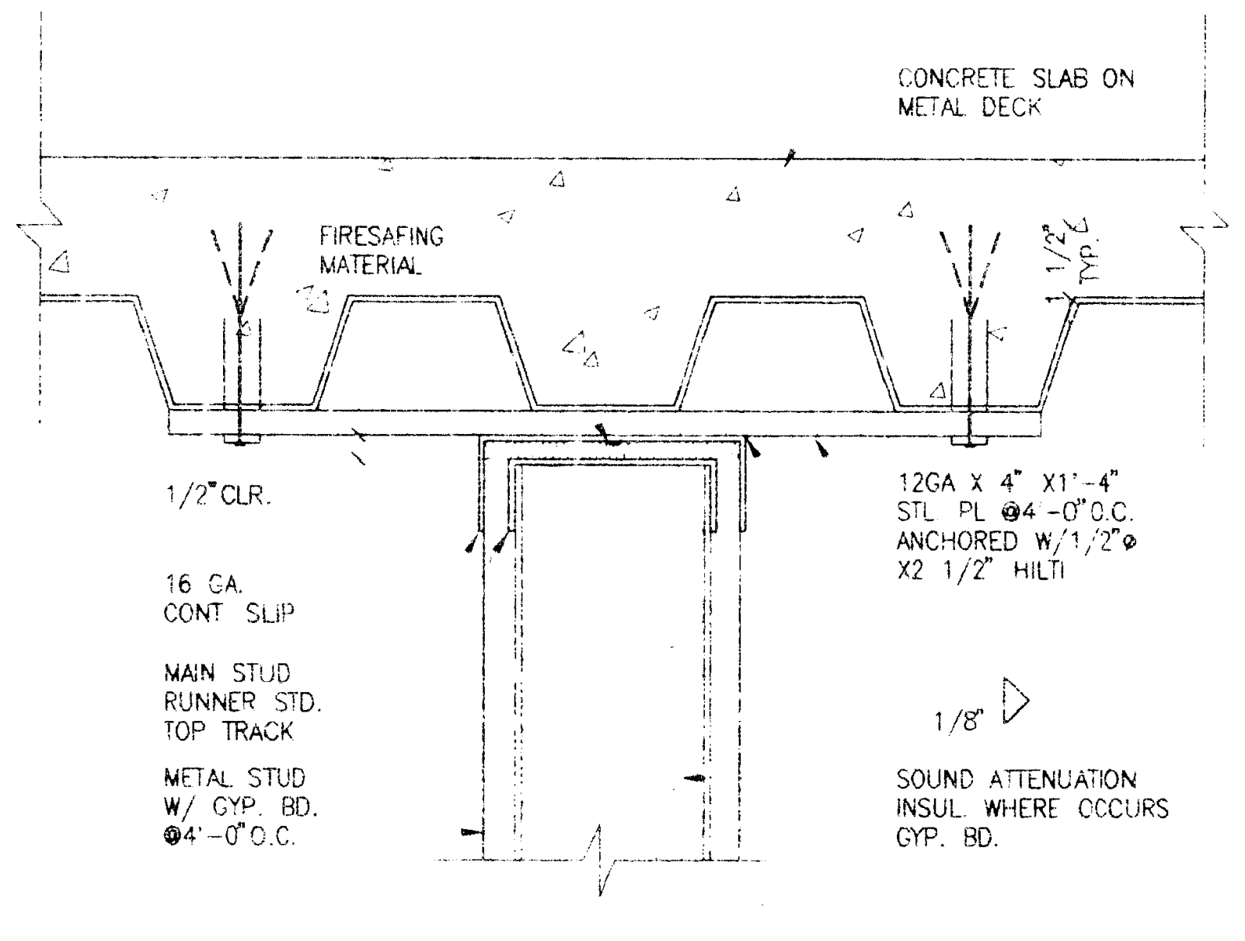
1 HOUR RATED CHASE W/ ACT INS.
3"=1'-0"
7
DE06031C
A2.1



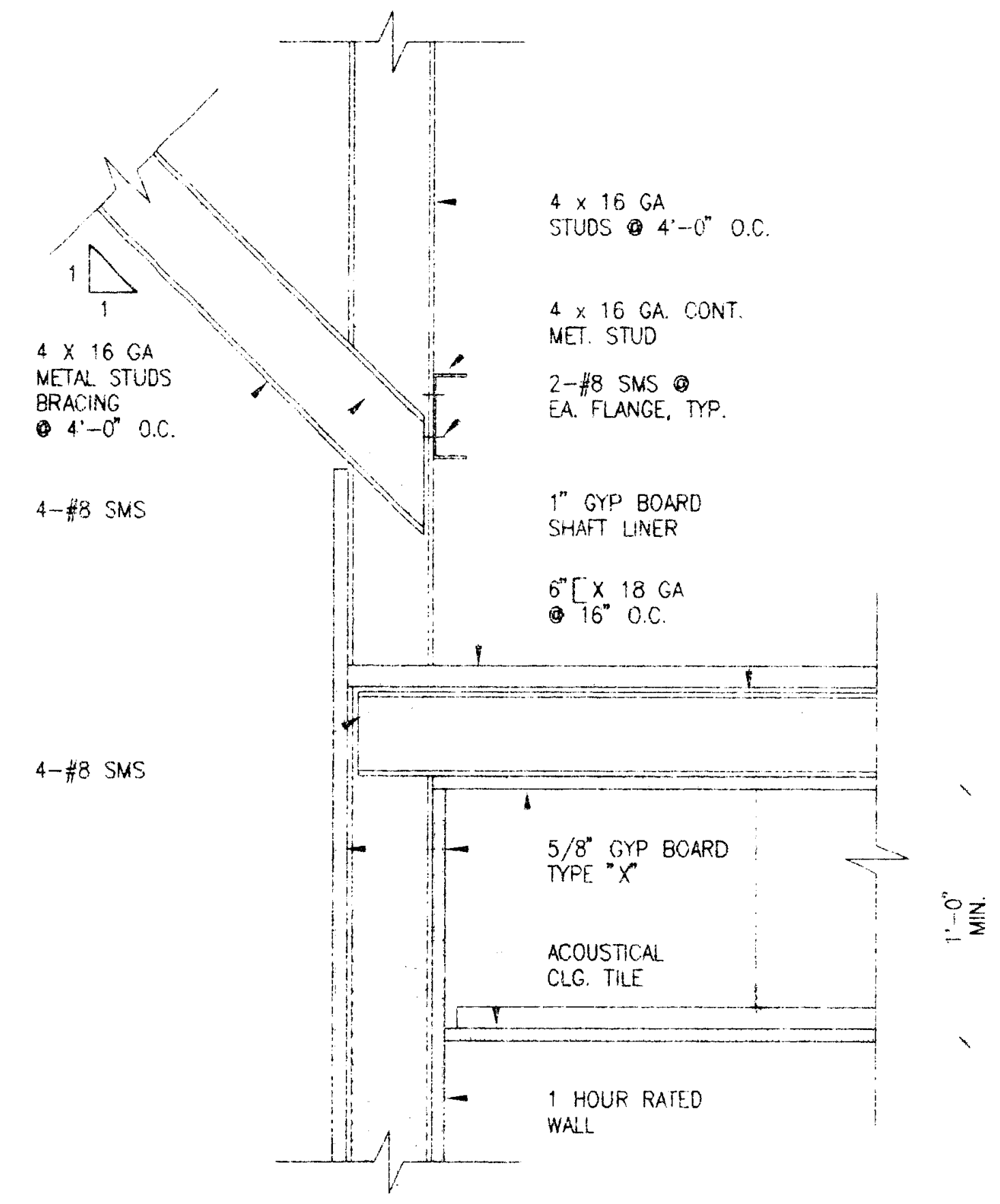
1 HOUR FIRE RATED PARTITION
3"=1'-0"
4
DE06059
A2.1



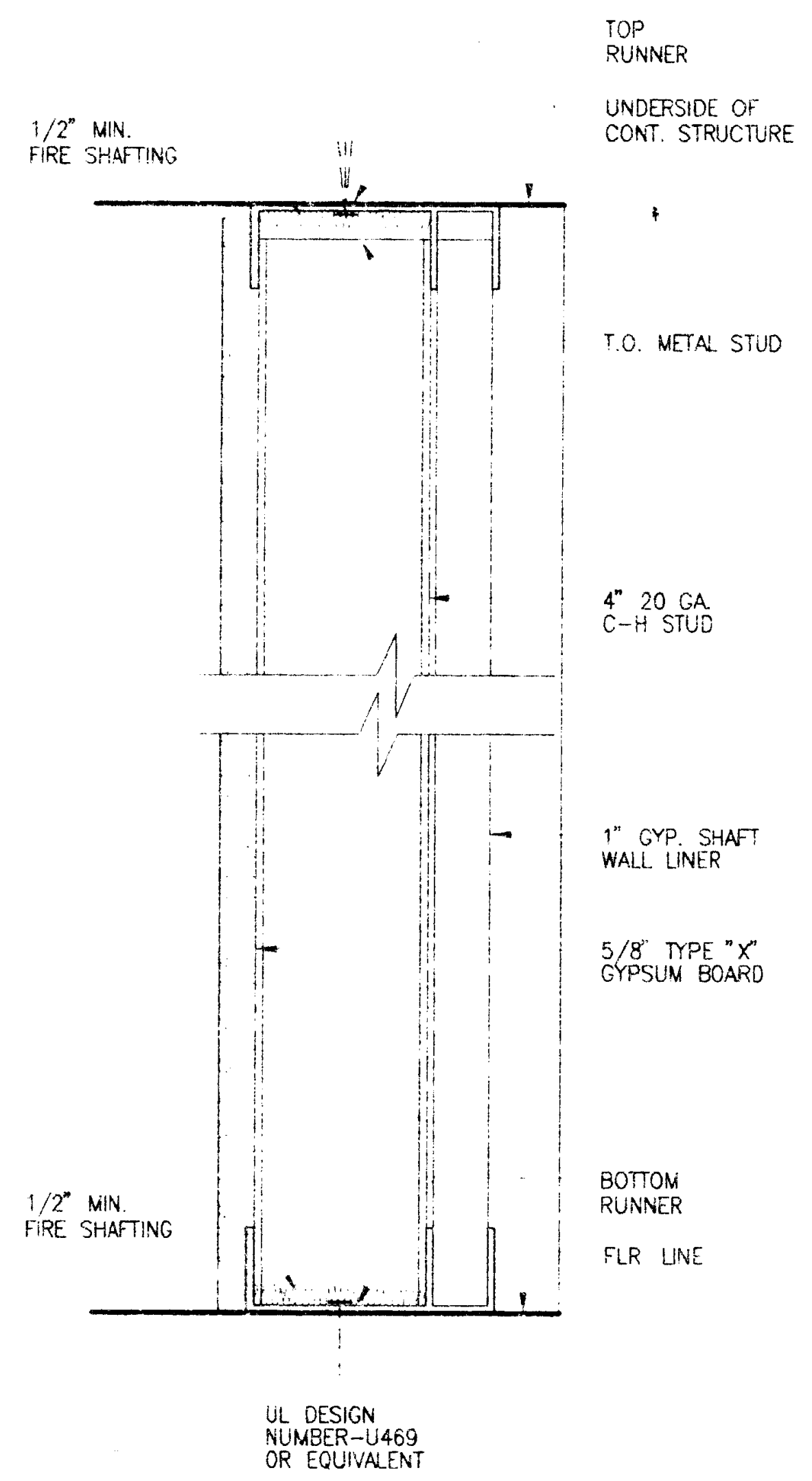
NON-RATED WALL WITH CMU
3"=1'-0"
1
DE05038D
A2.1



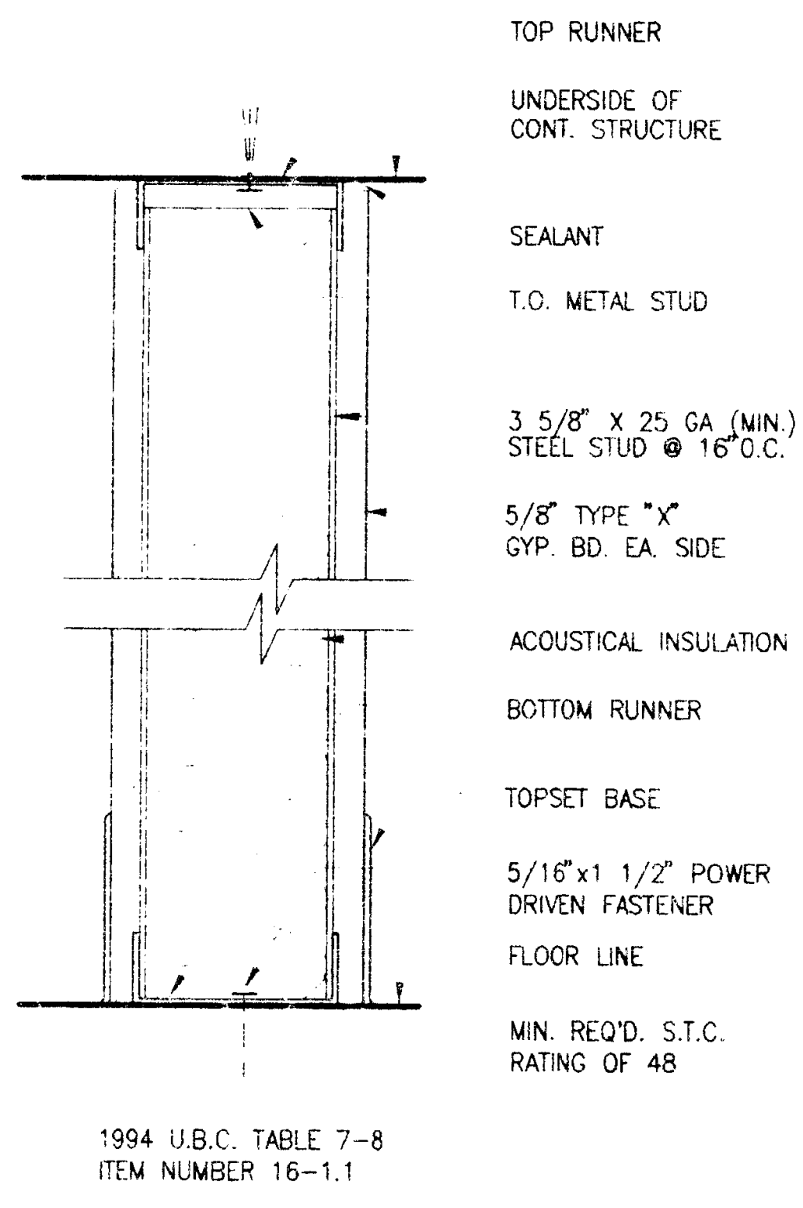
TOP OF FULL HT. PART. (SLIP TRACK)
3"=1'-0"
14
DE05038M
A2.1



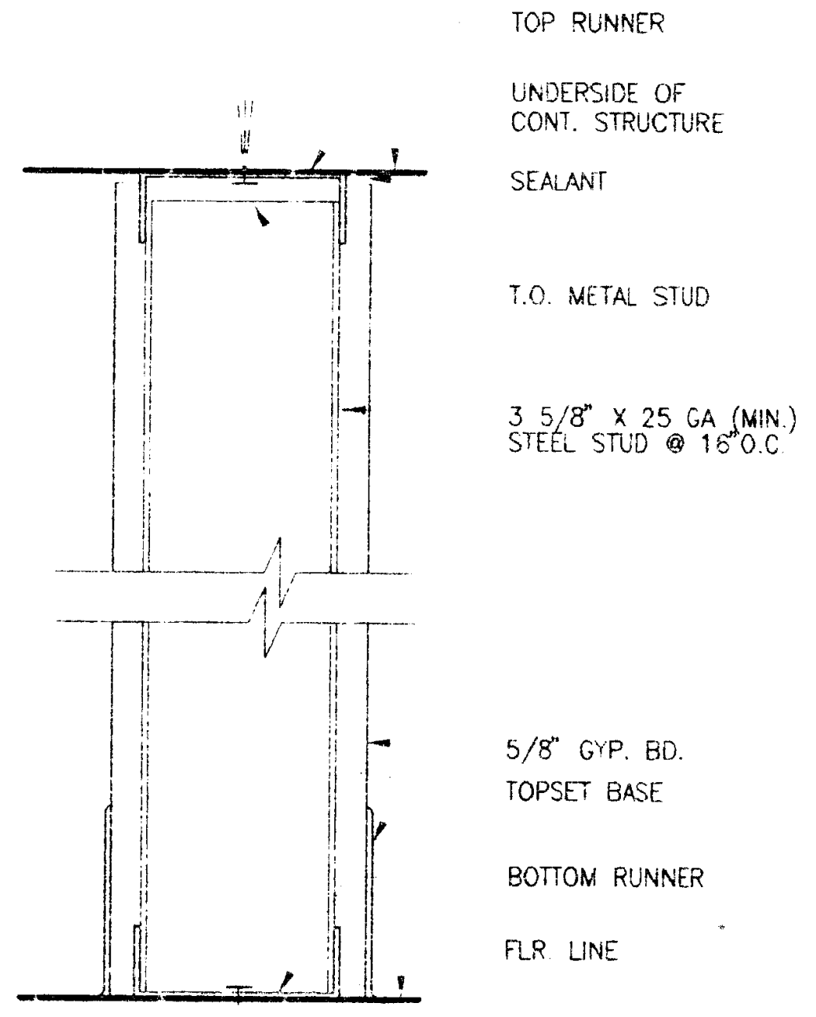
1-HR RATED PARTITION
1 1/2"=1'-0"
11
DE05038G
A2.1



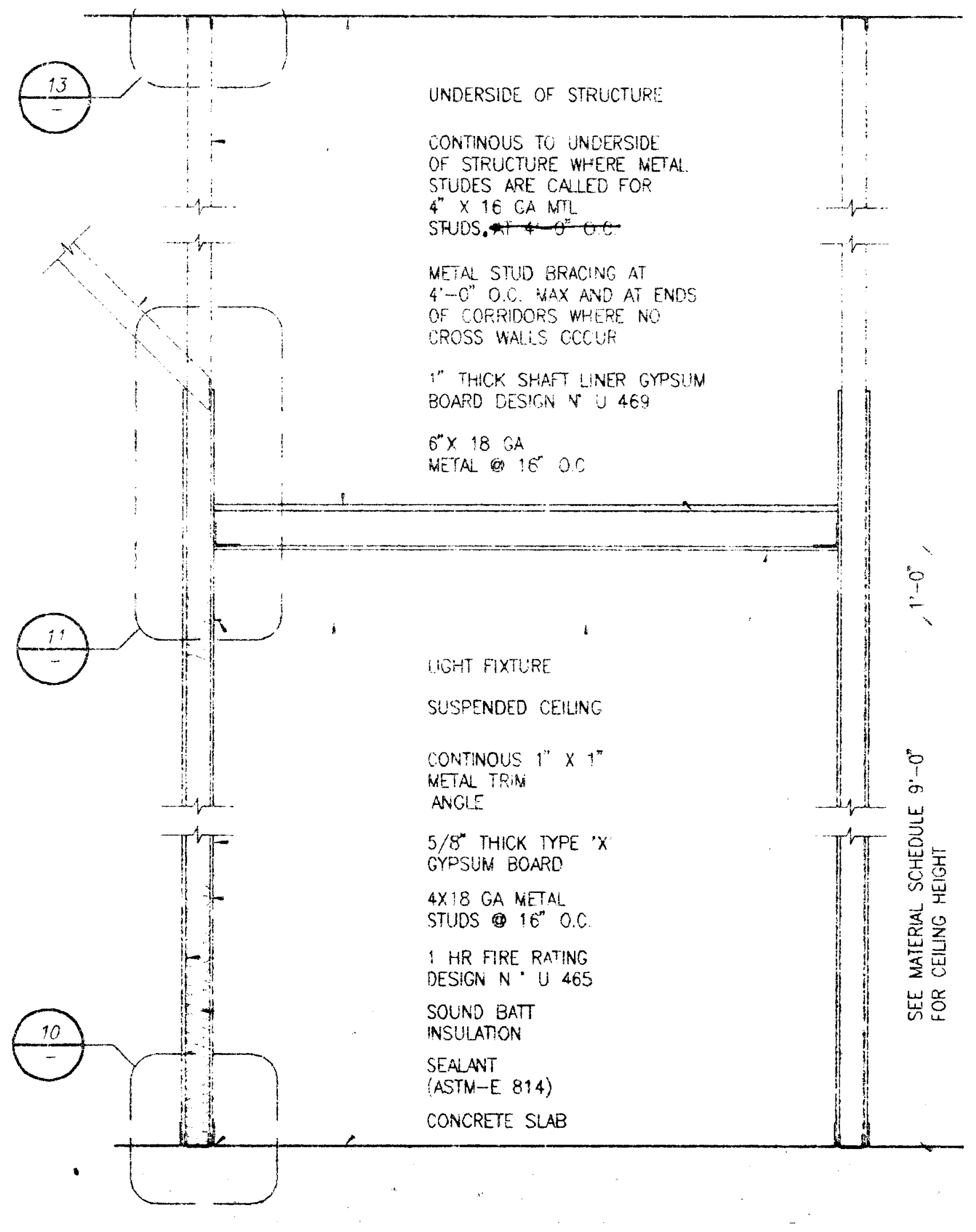
1 HR RATED PARTITION FOR SHAFTS
3"=1'-0"
8
DE05038C
A2.1



1 HR FIRE RATED PARTITION W/ ACT. INS.
3"=1'-0"
5
DE05038B
A2.1

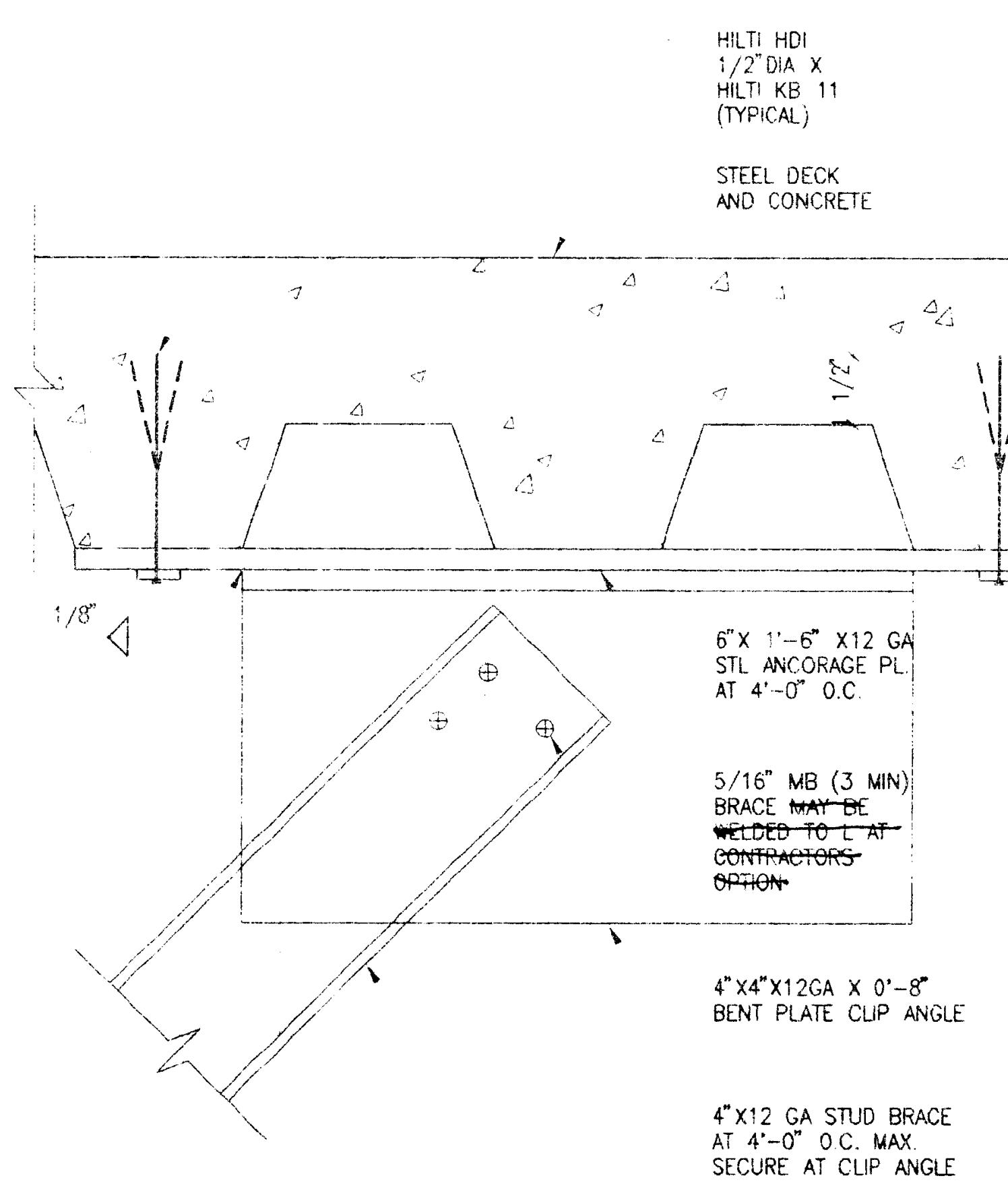


NON-RATED PARTITION
3"=1'-0"
2
DE05038E
A2.1

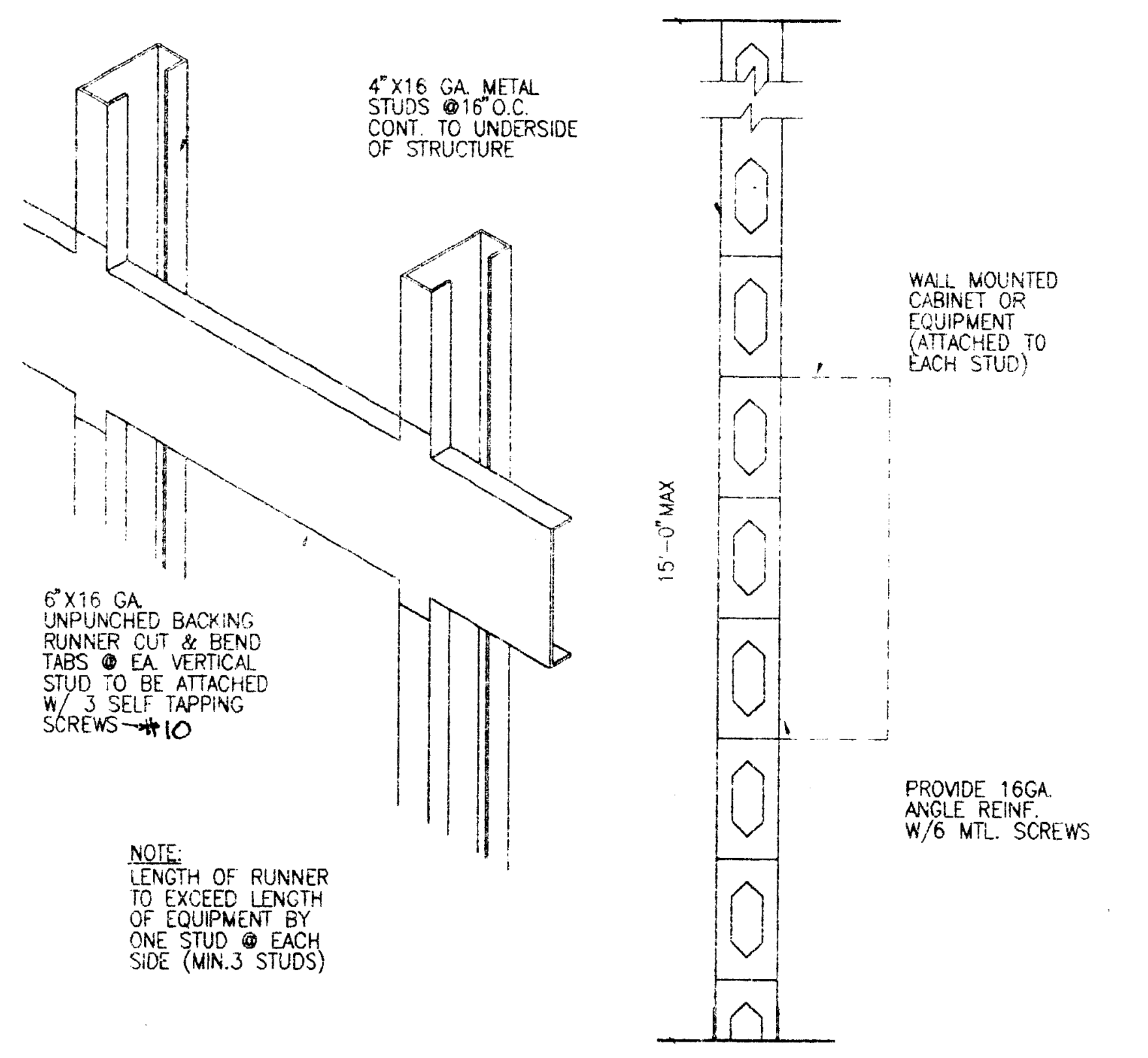


PLOT DATE: 03.17.98

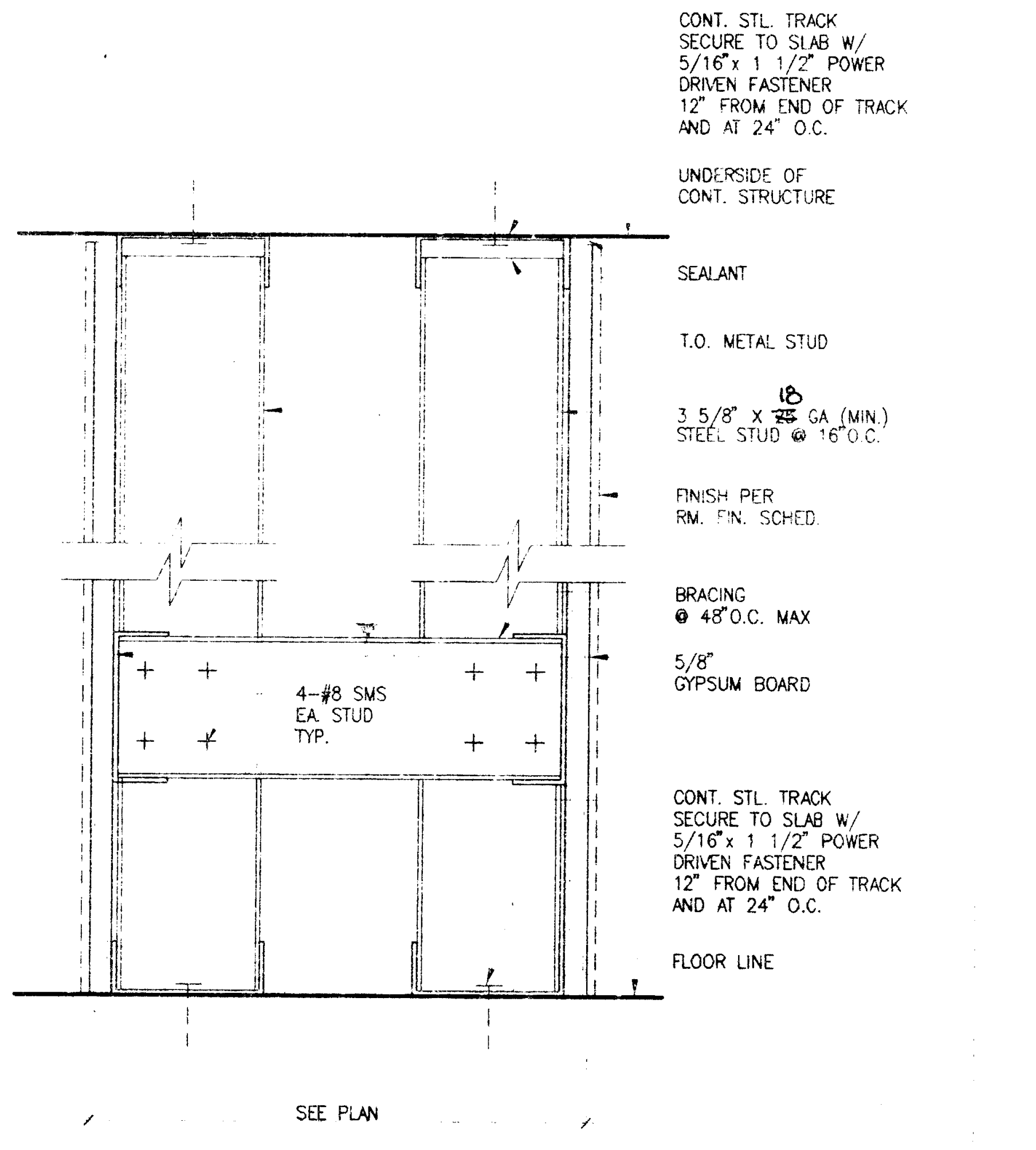
EXIT ENVELOP CORRIDOR
1/2"=1'-0"
15
DE05039
A2.1



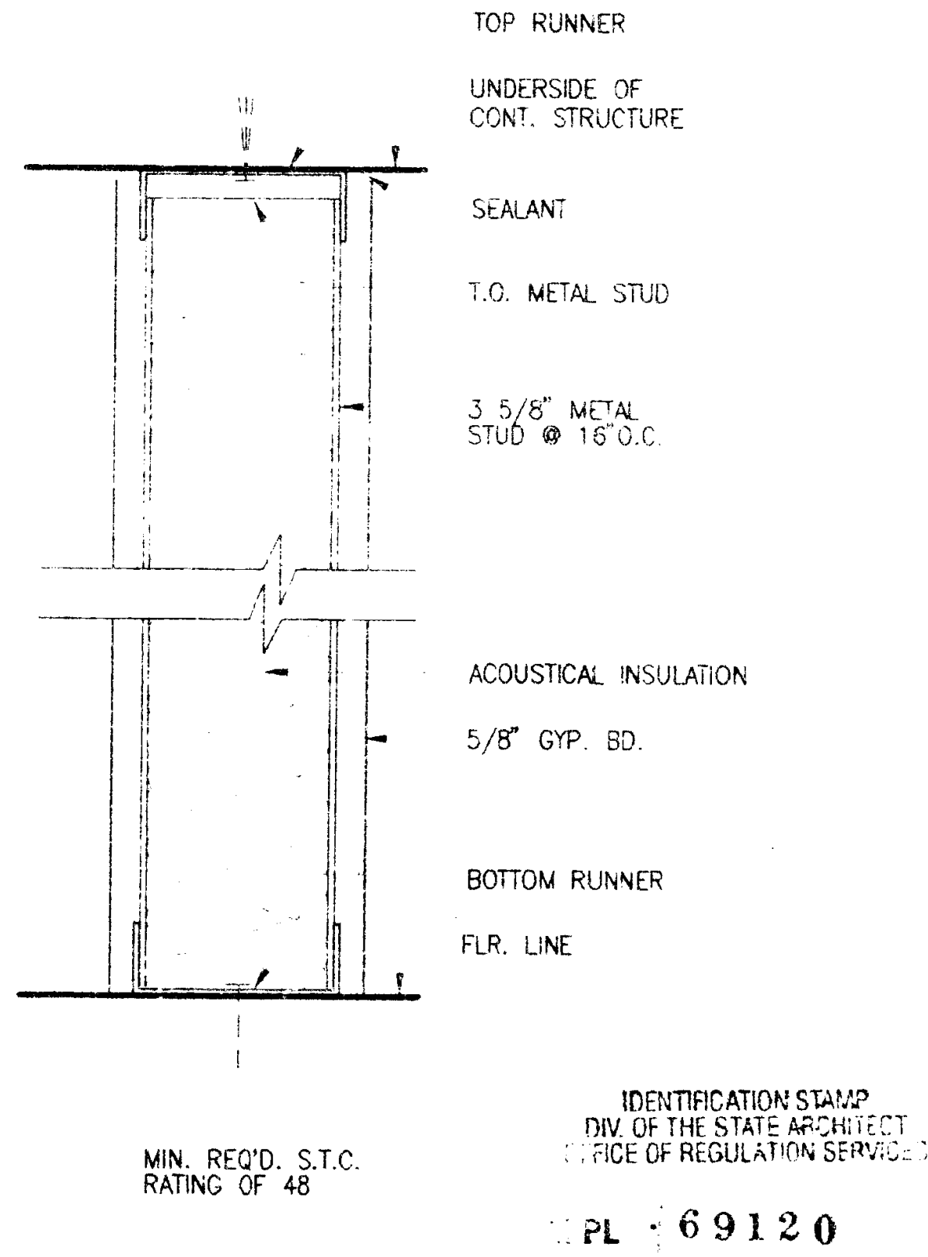
MTL. STUD PARTITION @ STEEL DECK
3"=1'-0"
12
DE05038A
A2.1



BACKING PLATE DETAIL
1 1/2"=1'-0"
9
DE05038K
A2.1



NON-RATED CHASE PARTITION
3"=1'-0"
6
DE06031B
A2.1



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3-20-98

NON-RATED PARTITION W/ ACT. INS.
3"=1'-0"
3
DE05038J
A2.1

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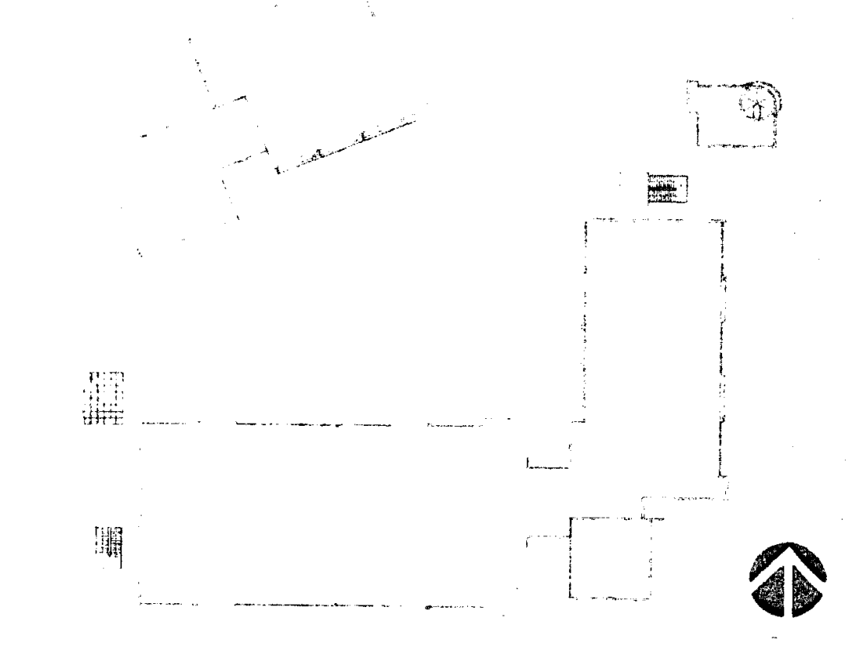
GENERAL NOTES:

1. SECOND FLOOR SLAB IS A 2HR. ASSEMBLY PER 1994 UBC TABLE 7-C, ITEM NUMBER 1-1.1, PAGE 1-139.

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
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COMPTON, CALIFORNIA

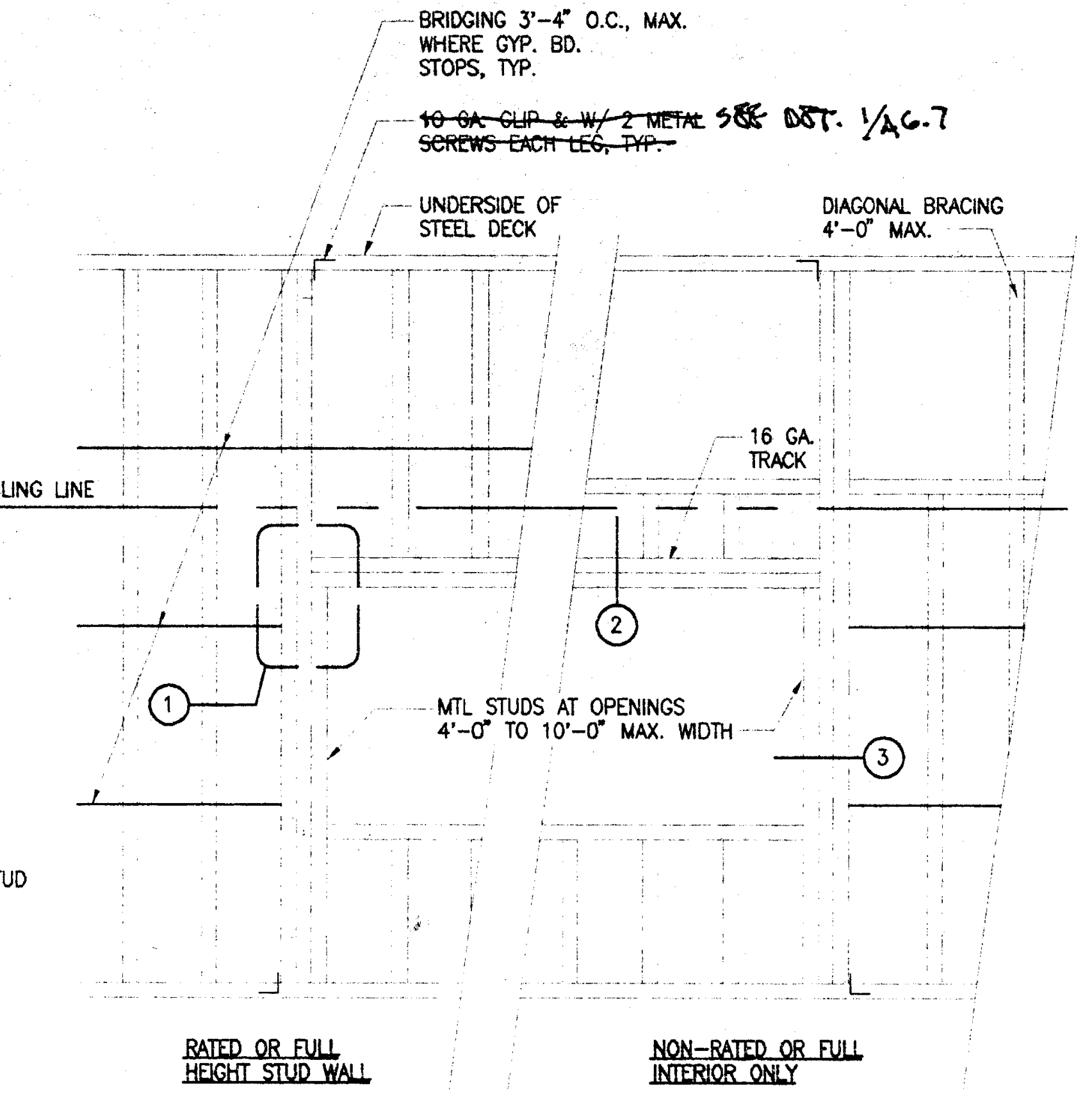
SHEET TITLE

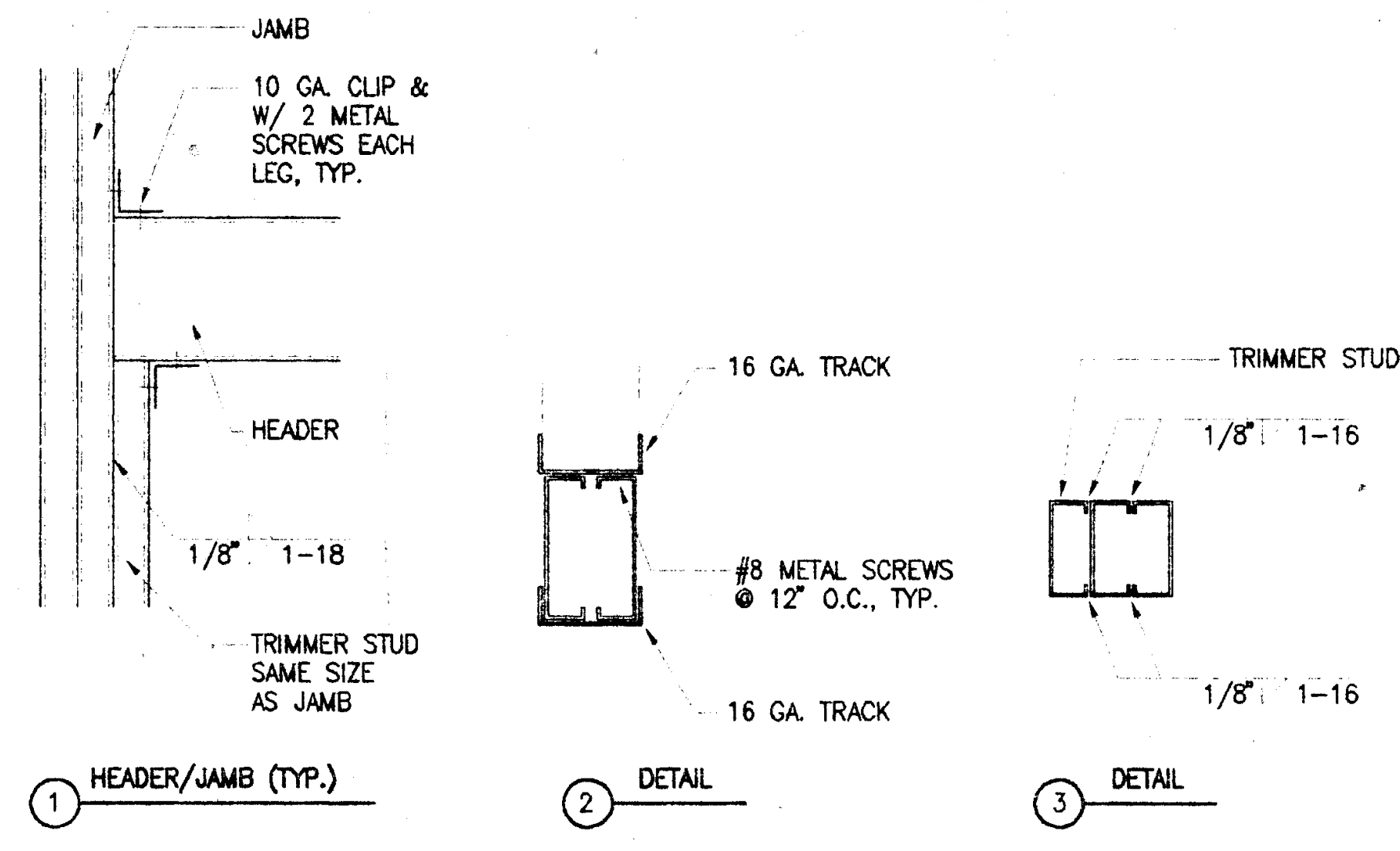
PARTITION TYPES

FILE: CMA6-06
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO.
A6.6
OF______SHEETS

NOT USED =1'-0" — 13 ##

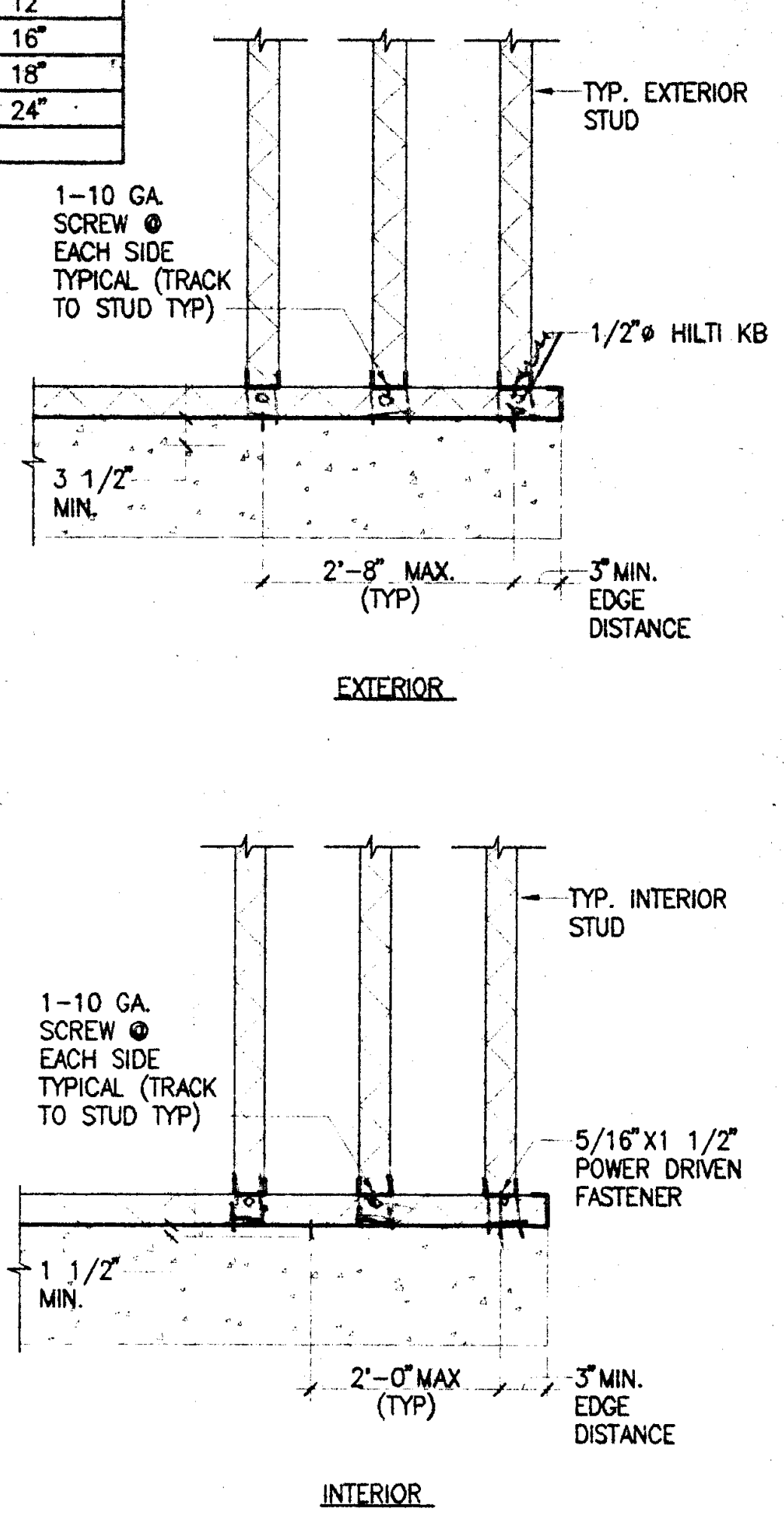
SCHEDULE		
STUD HEIGHT & LOCATION	HEADER 10'-0" SPAN	POST
16' INTERIOR	DBL CW-6x16	DBL C-4x18
21' INTERIOR	DBL CW-6x16	DBL C-6x18
16' EXTERIOR	DBL CW-8x14	DBL CW-8x16
21' EXTERIOR	DBL JW-10x14	DBL JW-10x16
16' INTERIOR W/ PLASTER	DBL CW-6x16	DBL C-6x18
21' INTERIOR W/ PLASTER	DBL CW-8x16	DBL C-8x18



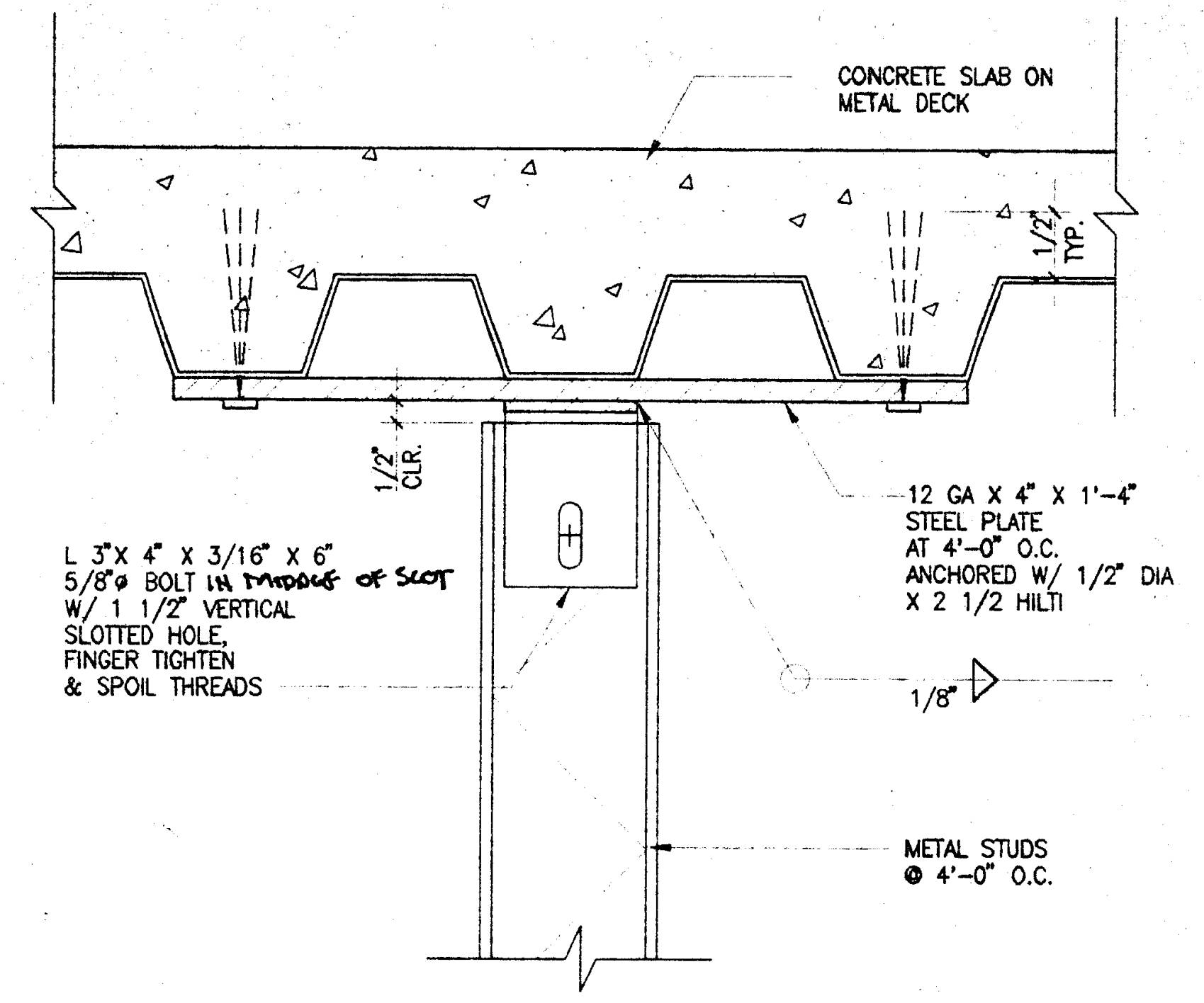


TYPICAL STUD WALL FRAMING AT OPENINGS N.T.S. DE05038V 7 A2.1

MAX EXTERIOR STUD HEIGHT	FASTENER SPACING
20'-24'	12"
18'	16"
16'	18"
12'	24"

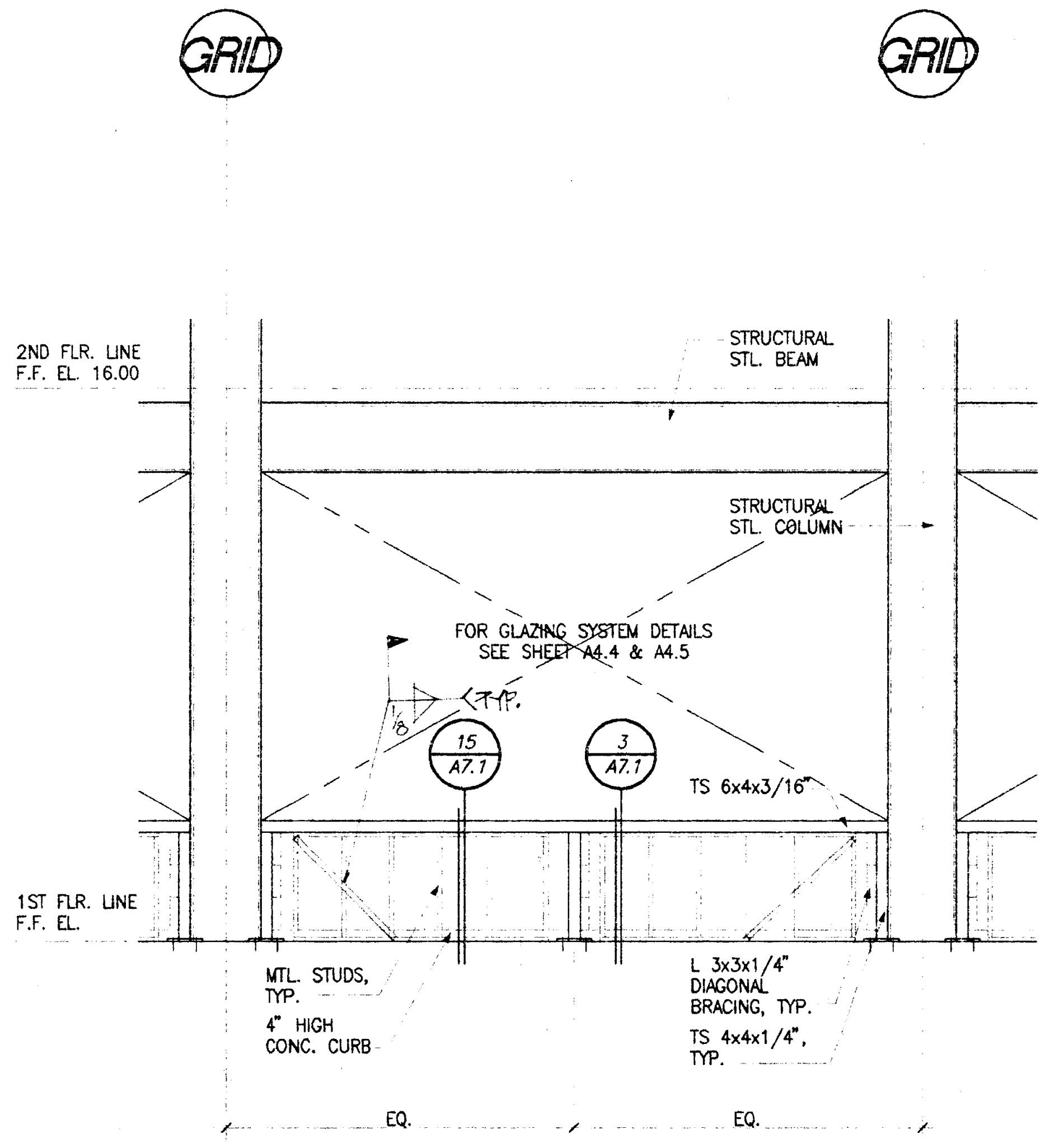


TRACK DTL. FOR EXT./INT. PARTITION 3"=1'-0" DE05038Q 4 A2.1

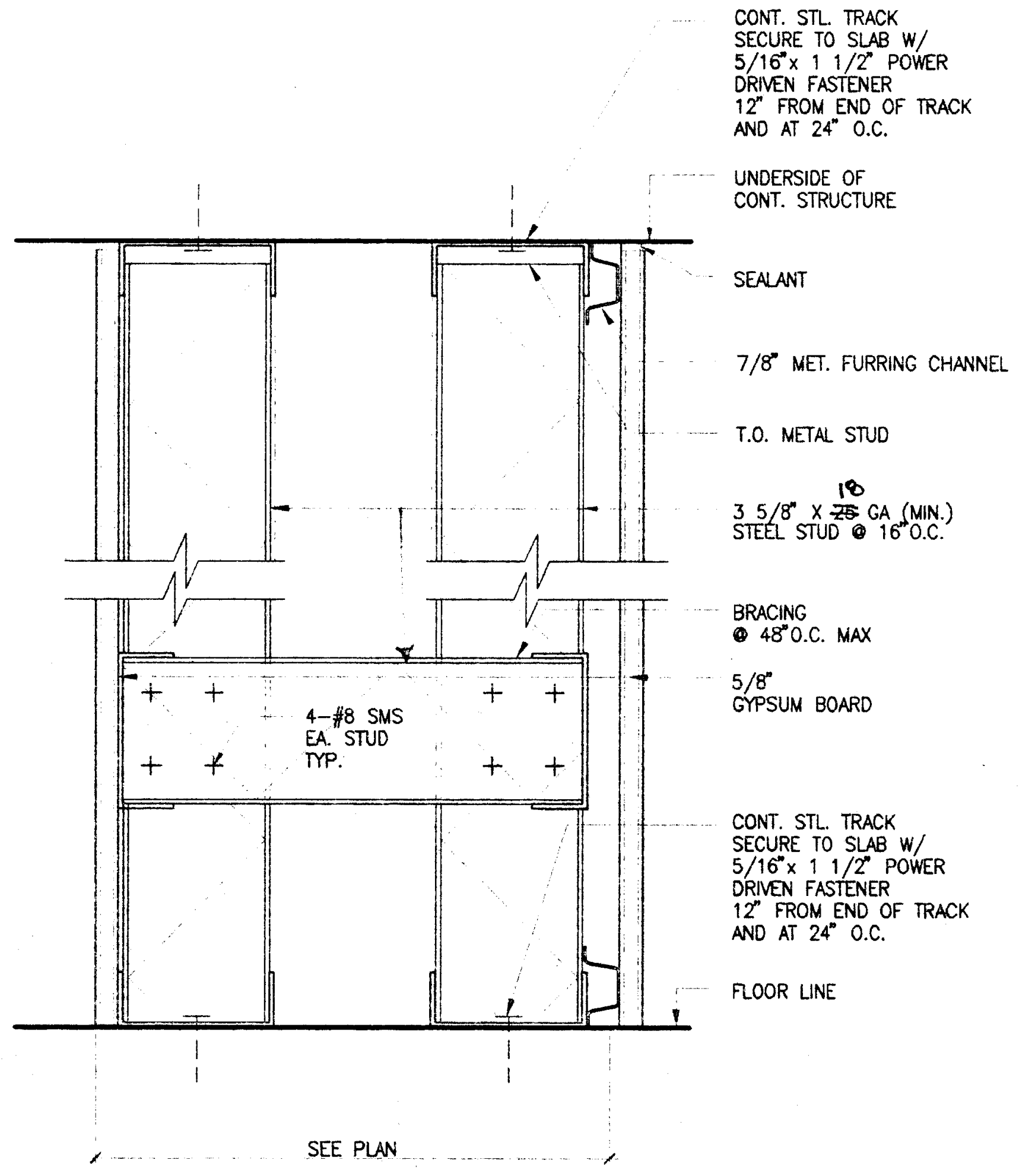


TOP OF STD. PTN. SLIP TRACK (NON-RATED) 3"=1'-0" DE05038U 1 A2.1

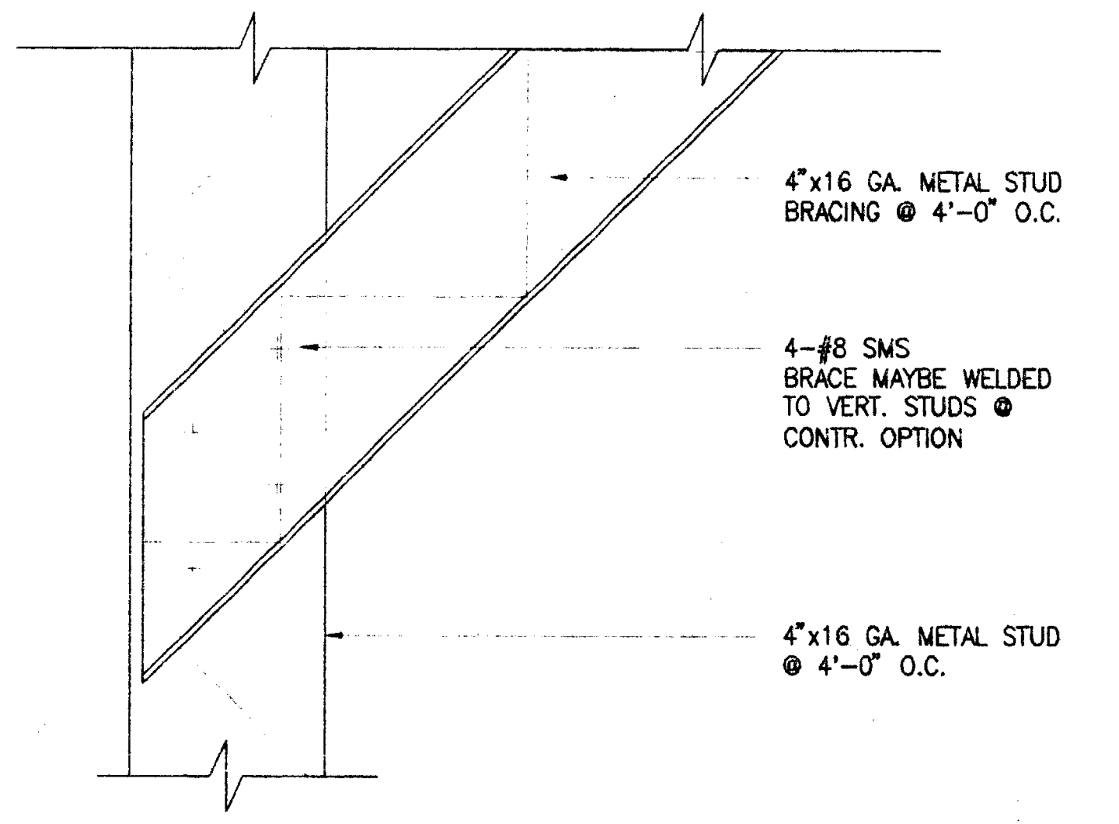
NOT USED =1'-0" — 14 ##



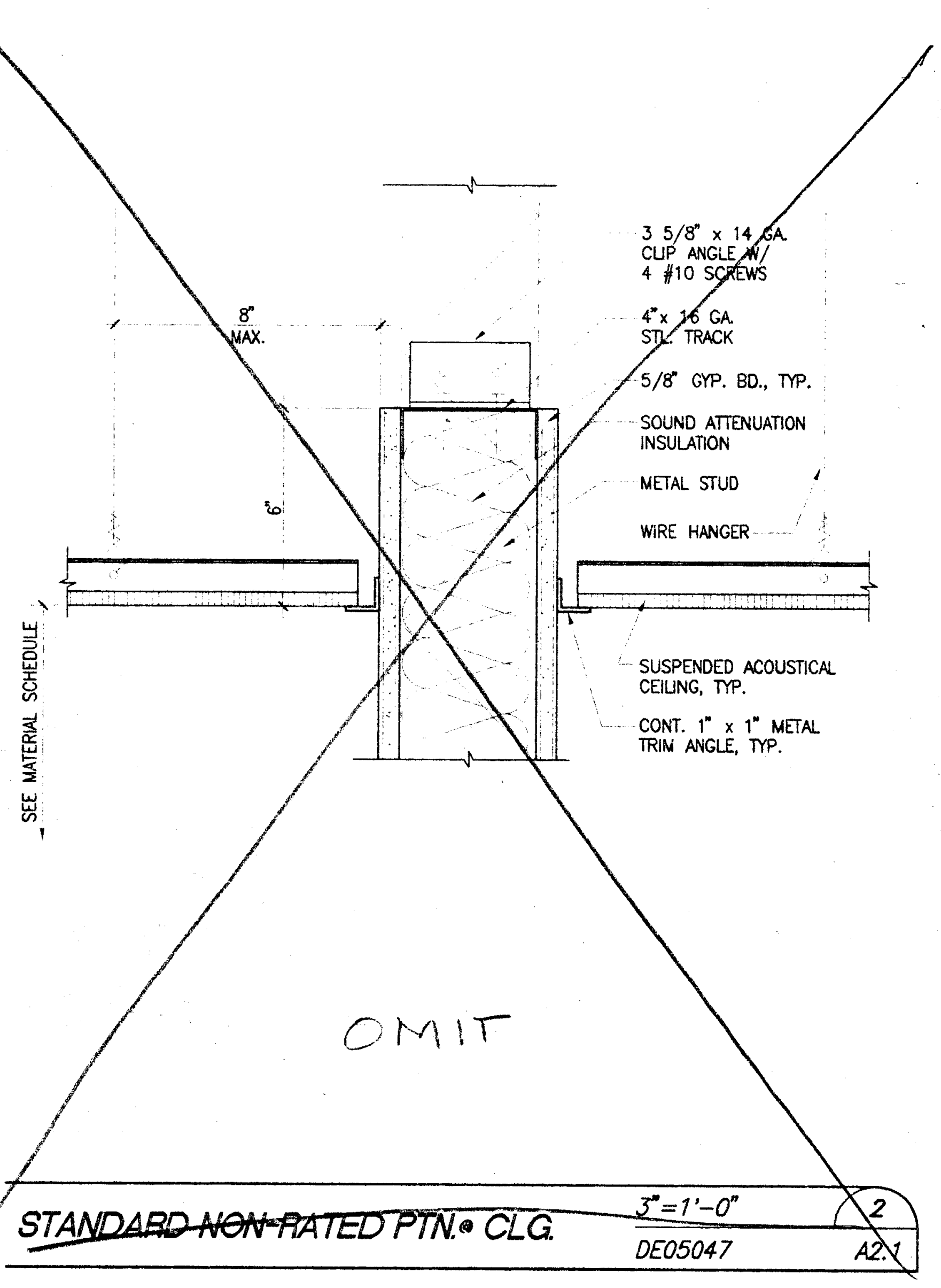
ELEVATION OF SILL FRAMING @ TYP. BAY 1/4"=1'-0" — 11 A6.7



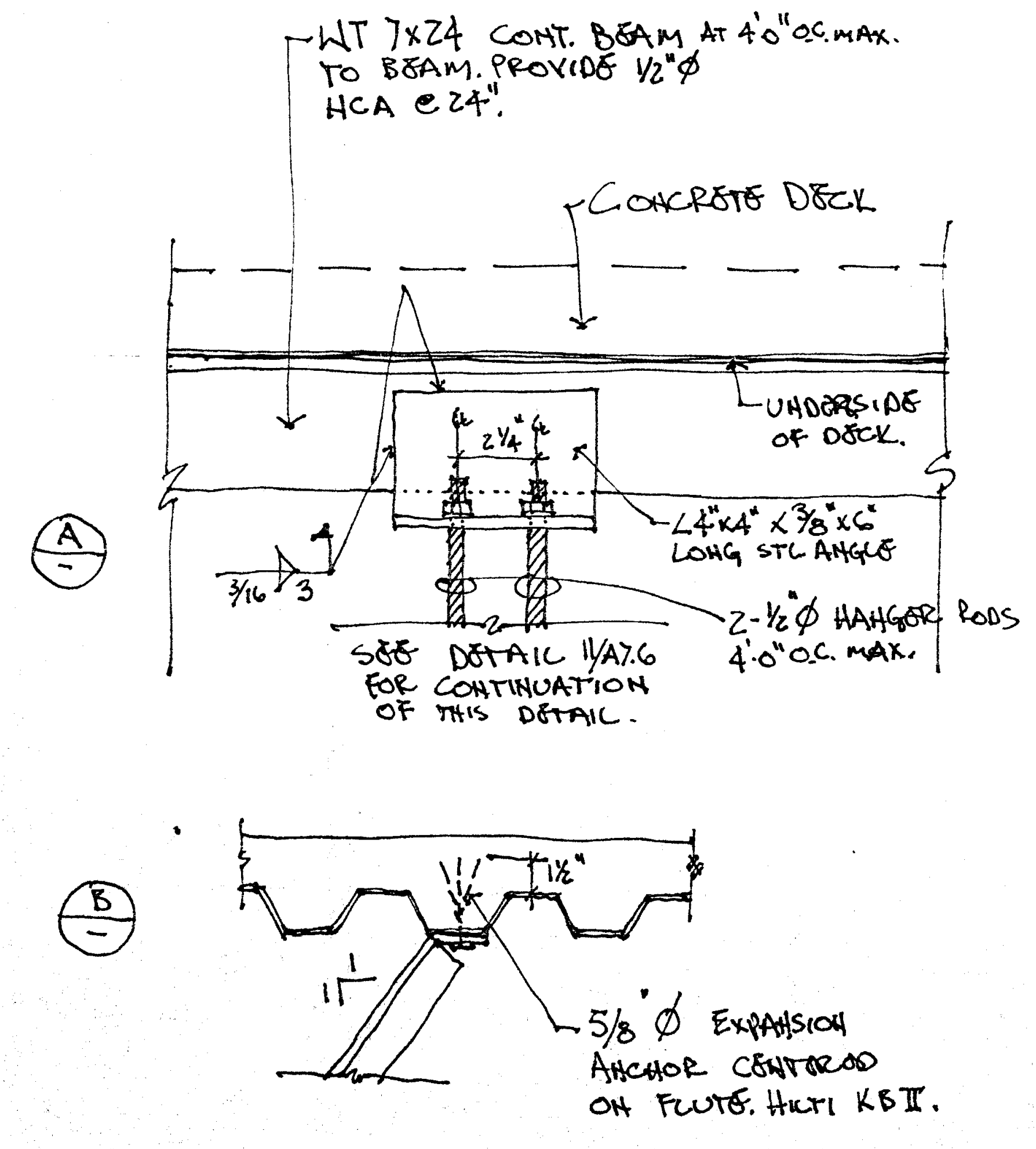
NON-RATED PARTITION 3"=1'-0" DE06031D 8 A7.3



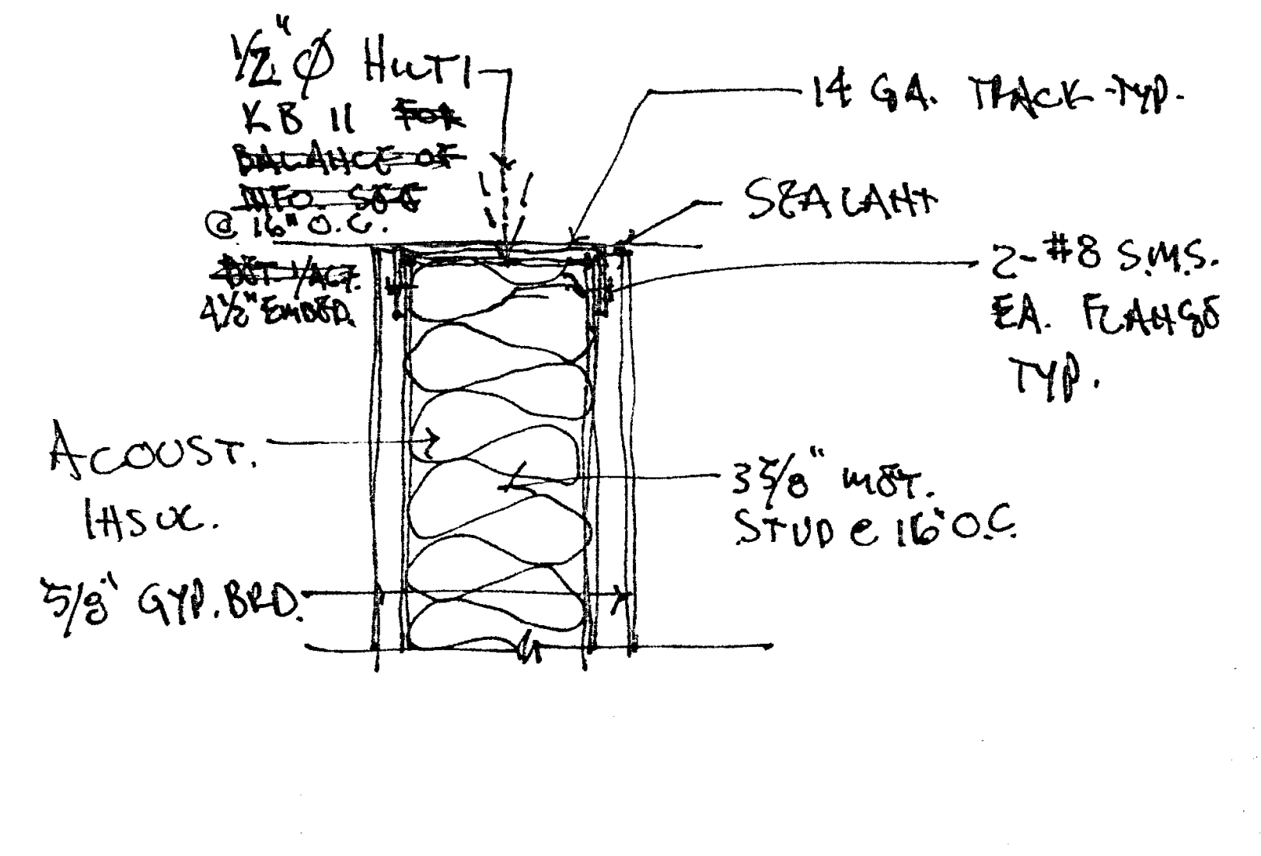
TYP. MET. PTN. BRACE @STUD WALL 3"=1'-0" DE09064A 5W A2.1



STAN~~DARD NON-RATED~~ PTN.@ CLG. 3"=1'-0" DE05047 2 A2.1



MOVABLE PARTITION HANGER CONNECTION =1'-0" — 15 11-A7.6 ~~##~~



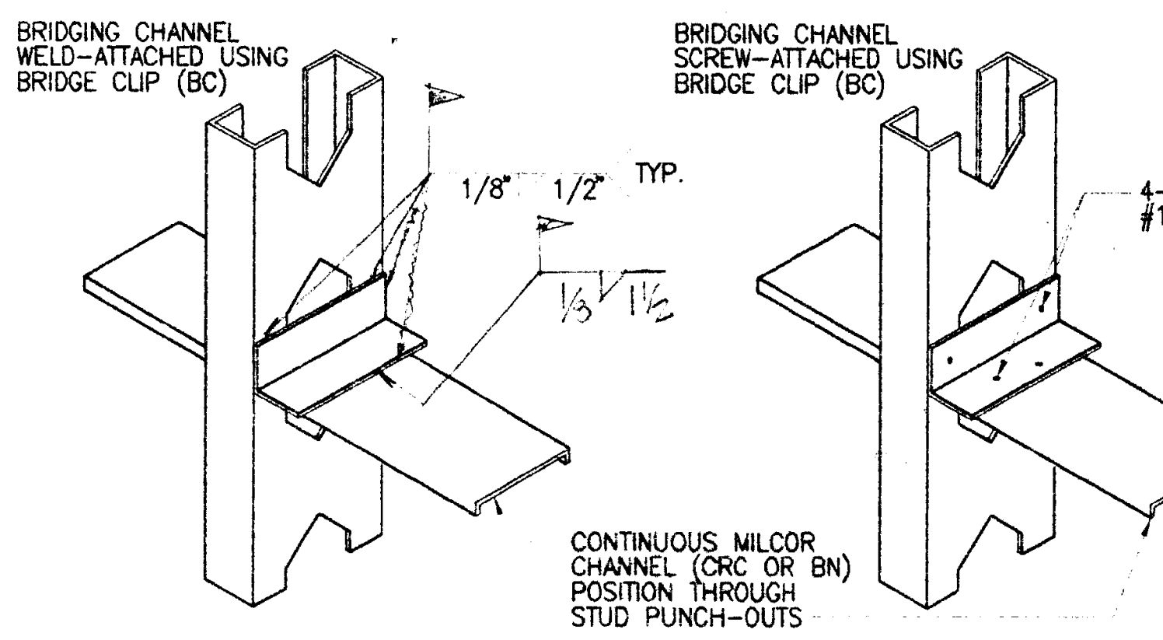
~~NOT USED~~ RIGID CONN. @ TOP OF STUD WALL 3"=1'-0" — 12 A6.4 ~~##~~

Metal Stud Section Property Table

Stud Size	Ix (inches⁴)	Sx (inches³)
20HDS400	0.624	0.302
18HDS400	0.820	0.407
16HDS400	1.009	0.500
20HDS600	1.652	0.540
18HDS600	2.172	0.722
16HDS600	2.681	0.891
18HDS358	0.649	0.354

All metal studs shall be Angeles Metal Stud Systems, ICBO Report No. 1715-P

~~NOT USED~~ STUD SECTION PROPERTY CHART ~~=1'-0"~~ 9 ##



WALL TYPE#1 DRYWALL ONE SIDE W/ BRIDGING CLIPS @ 3'-4" O.C.
WALL TYPE#2 DRYWALL BOTH SIDES TO DECKING.
WALL TYPE#3 DRYWALL BOTH SIDES TO CEILING.
WALL TYPE#4 DRYWALL BOTH SIDES W/ CABINET ONE OR BOTH SIDES

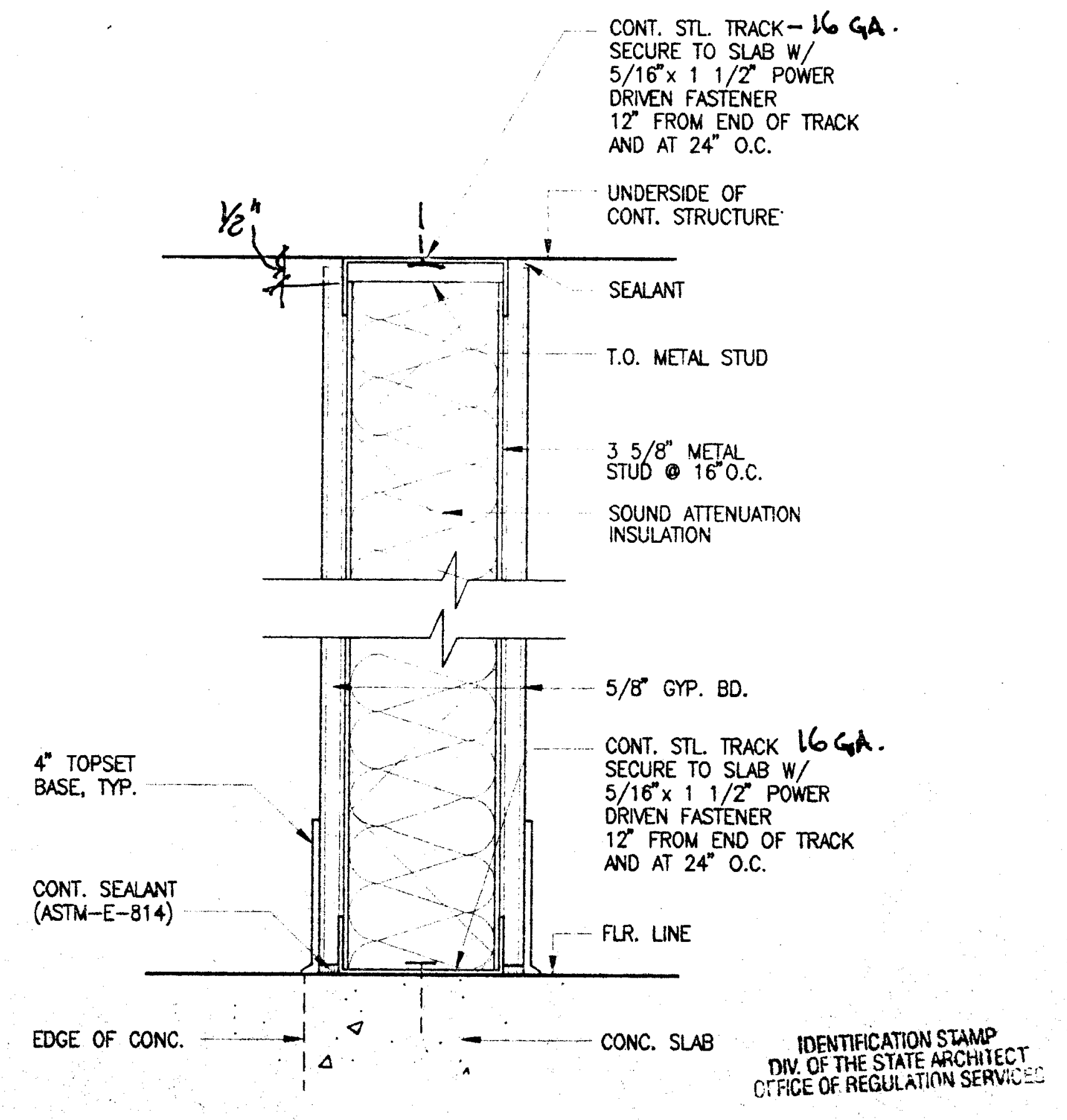
RECOMMENDED BRIDGING MEMBERS FOR STUDS

FOR WELDING IN PUNCH-OUTS		FOR ATTACHMENT WITH BRIDGE CLIPS		
STUD SIZE	BRIDGING MEMBER	STUD SIZE	CLIP	BRIDGING MEMBER
3 5/8" AND 4"	CRC-1 1/2X18	~~2 1/2"~~	~~3C-2 1/4X14~~	~~CRC-3/4X16~~
6" THRU 8"	BN-2 1/2X18	3 5/8" AND 4"	3C-3 3/8X14	CRC-3/4X16
		6"	3C-3 3/4X14	CRC-1/2X16
		~~8"~~	~~3C-3 3/4X14~~	~~BN-2 1/2X18~~

MAX. ALLOWABLE HEIGHT (INTERIOR WALL)

STUDS @ 16" O.C.	TYPE OF WALL			
	~~#~~1	~~#~~2	~~#~~3	~~#~~4
C4x20	20'-0"	17'-0"	13'-0"	12'-0"
C4x18	23'-0"	19'-0"	14'-0"	14'-0"
C4x16	25'-0"	20'-0"	15'-0"	15'-0"
C6x20	28'-0"	23'-0"	18'-0"	17'-0"
C6x18	31'-0"	26'-0"	20'-0"	19'-0"
C6x16	34'-0"	28'-0"	22'-0"	20'-0"

TYPICAL BRIDGING DETAIL 1 1/2"=1'-0" DE05038S 6 A2.1



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AC FLS SS
3-20-98

STD., FULL HT. INT. PTN. @ FLR. + DECK 3"=1'-0" DE05038T 3 A2.1

PLOT DATE: 03.17.98

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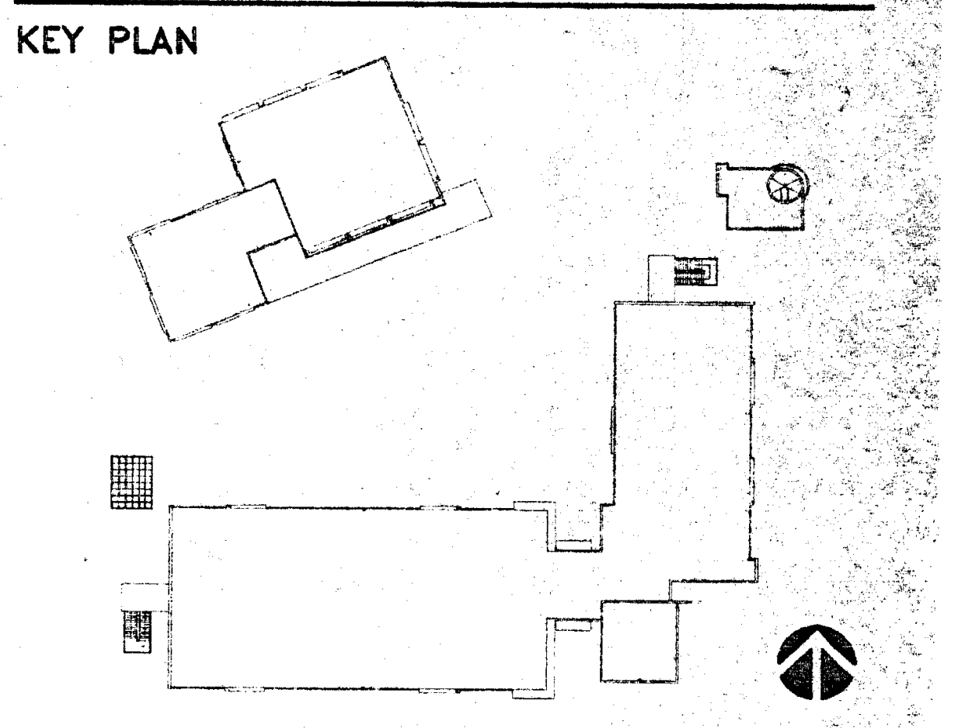
GENERAL NOTES:

1. SECOND FLOOR SLAB IS A 2HR. ASSEMBLY PER 1994 UBC TABLE 7-C, ITEM NUMBER 1-1.1, PAGE 1-139.

KEY PLAN



NO.	DATE	BY	REVISION

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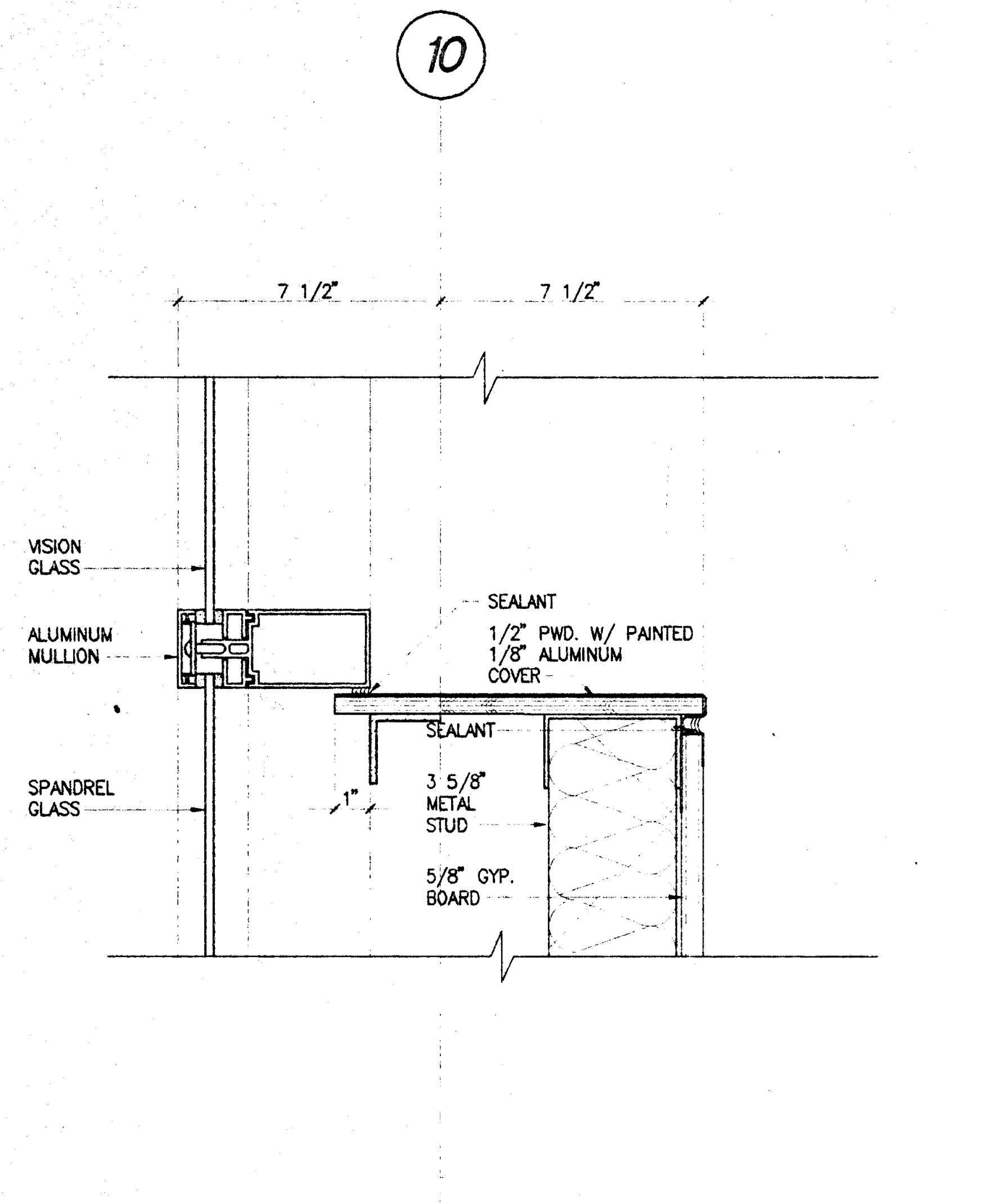
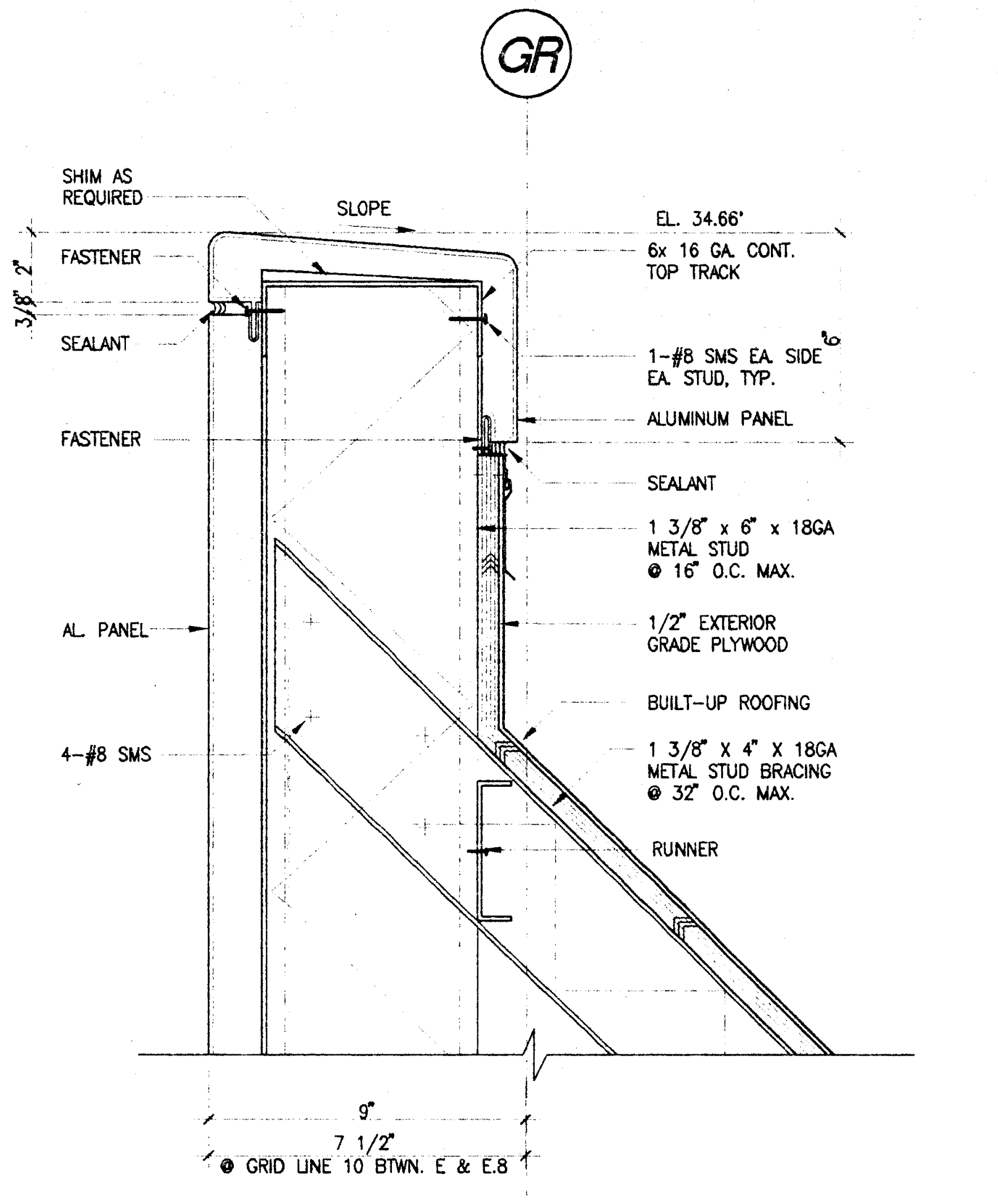
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
PARTITION
DETAILS

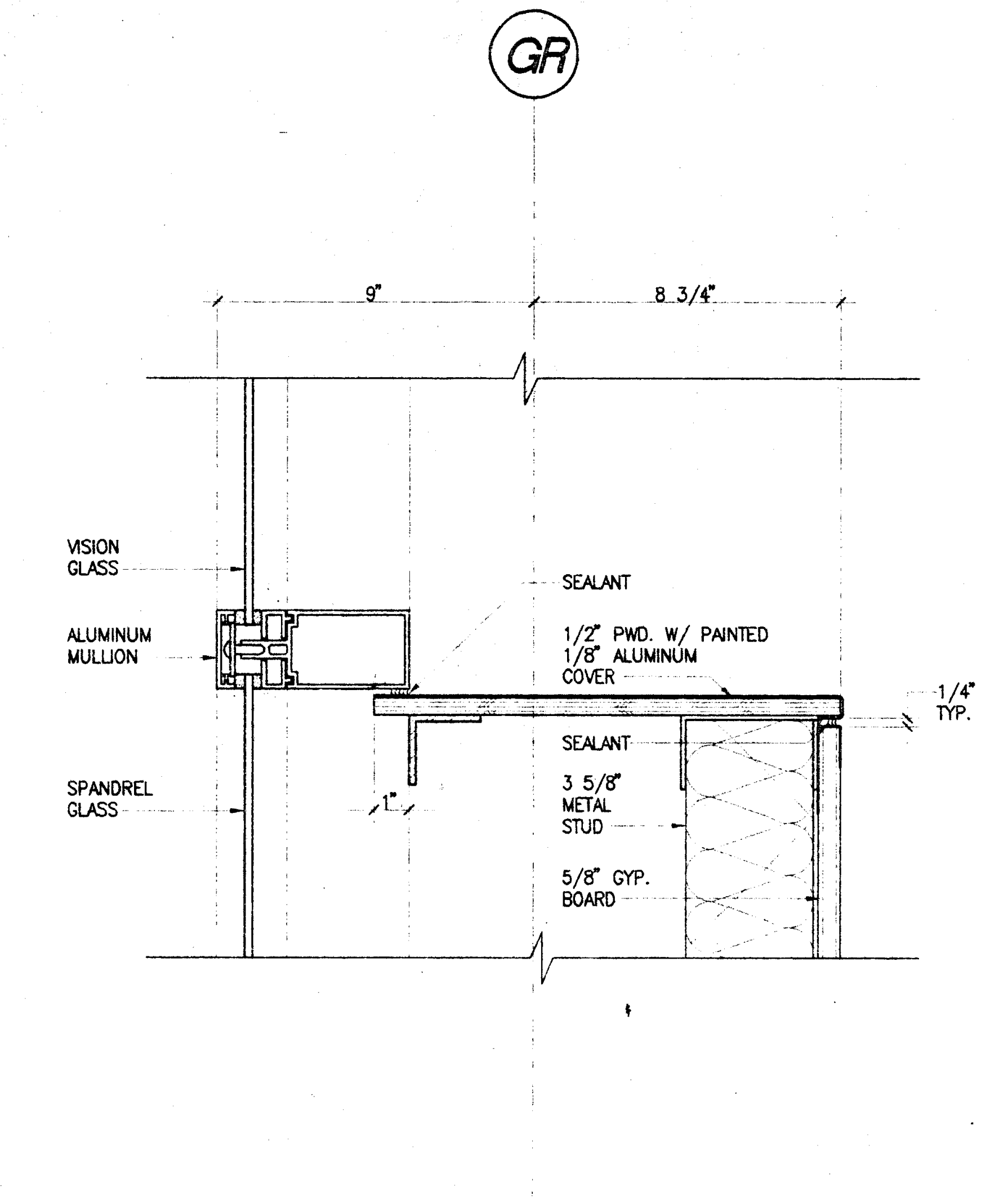
FILE: CMA6-07
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO. A6.7
OF ____ SHEETS



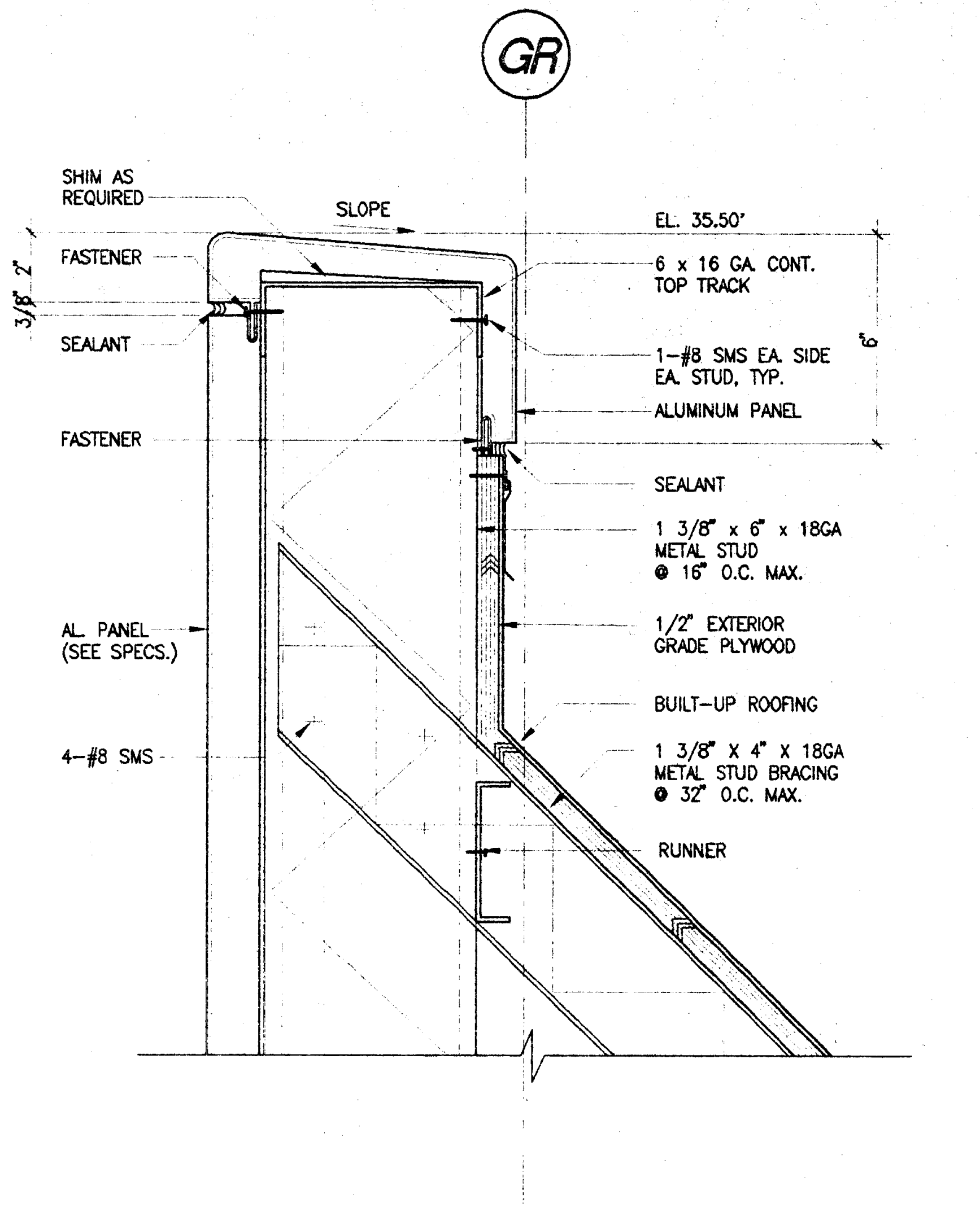
WINDOW ON GRID-LINE 10 BTWN. E + E.8 3"=1'-0" DE08062C 13 A6.3



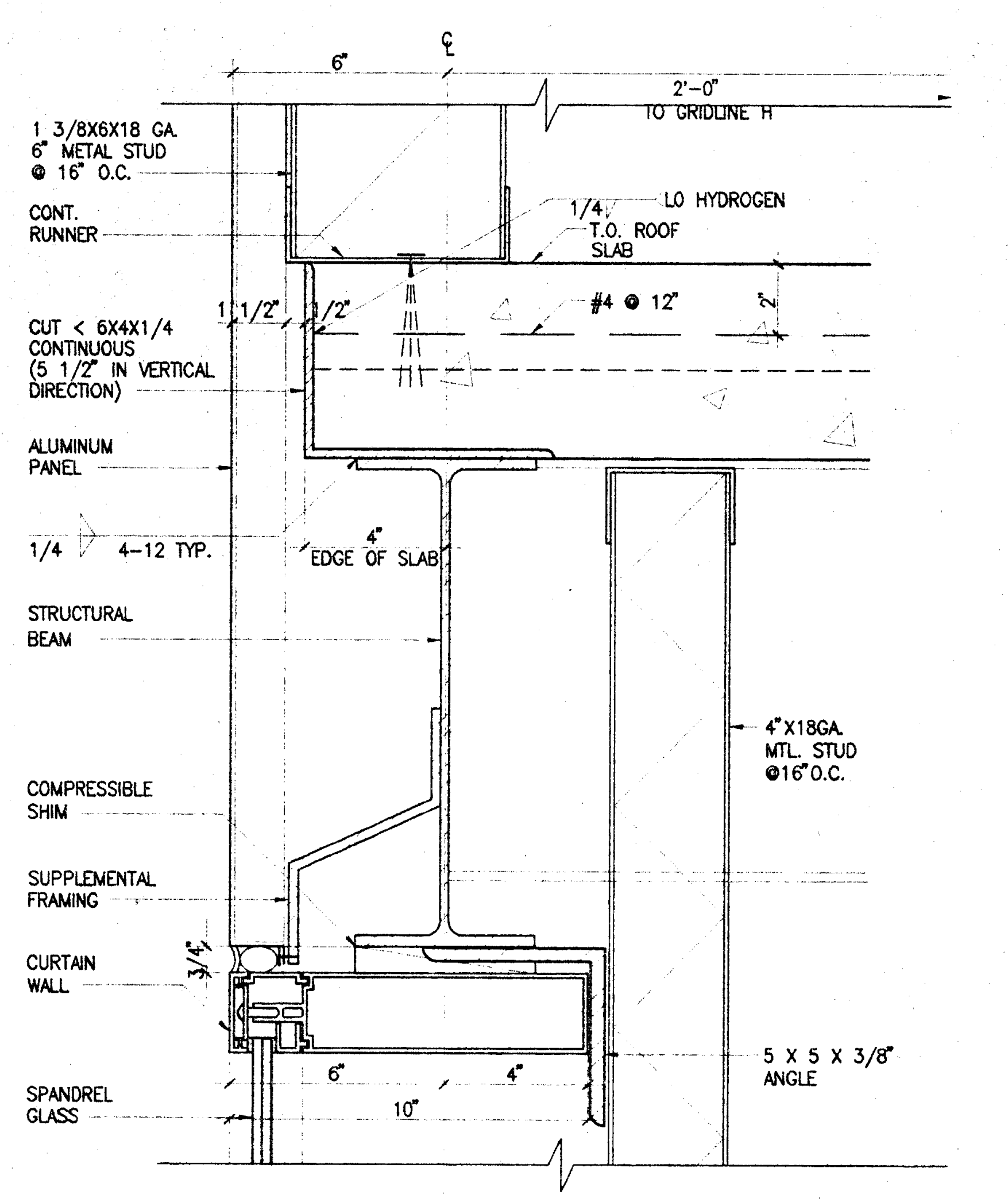
TYPICAL PERIMETER WINDOW WALL 3"=1'-0" DE08057H 10 A6.3



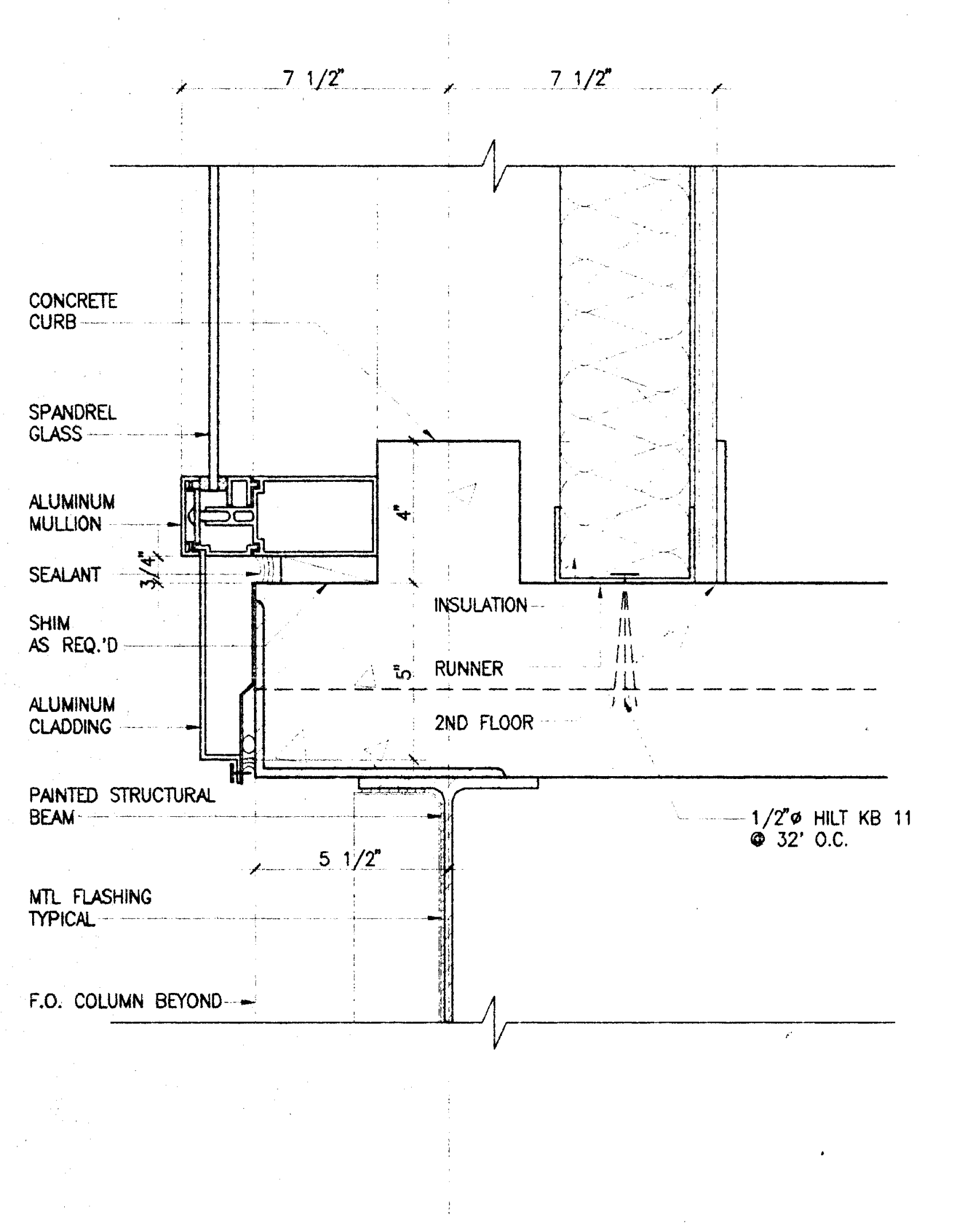
TYPICAL PERIMETER WINDOW WALL 3"=1'-0" DE08057G 7 A6.1



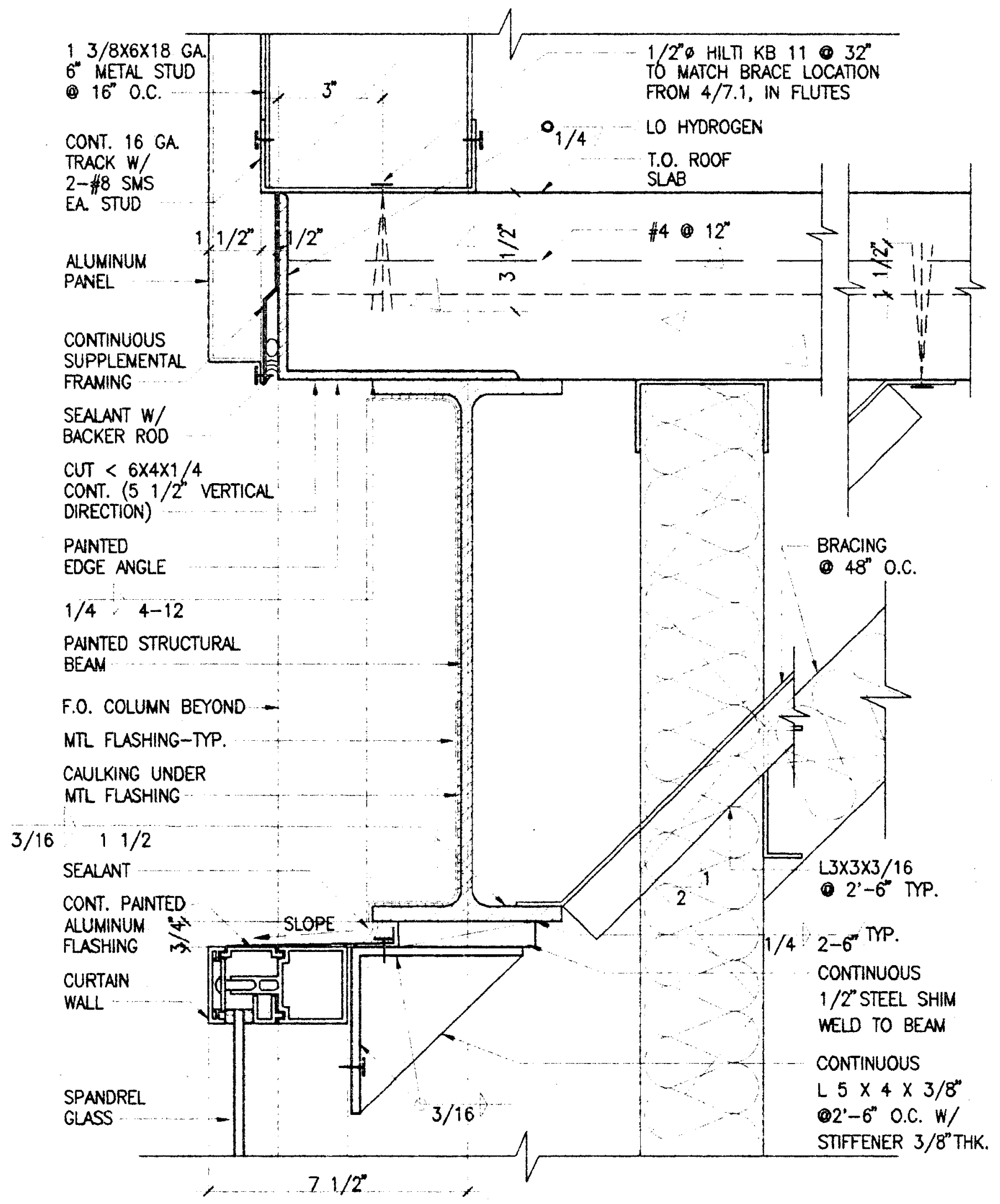
TYPICAL CURTAIN WALL • MAIN LOBBY 3"=1'-0" DE08057G 4 A6.1



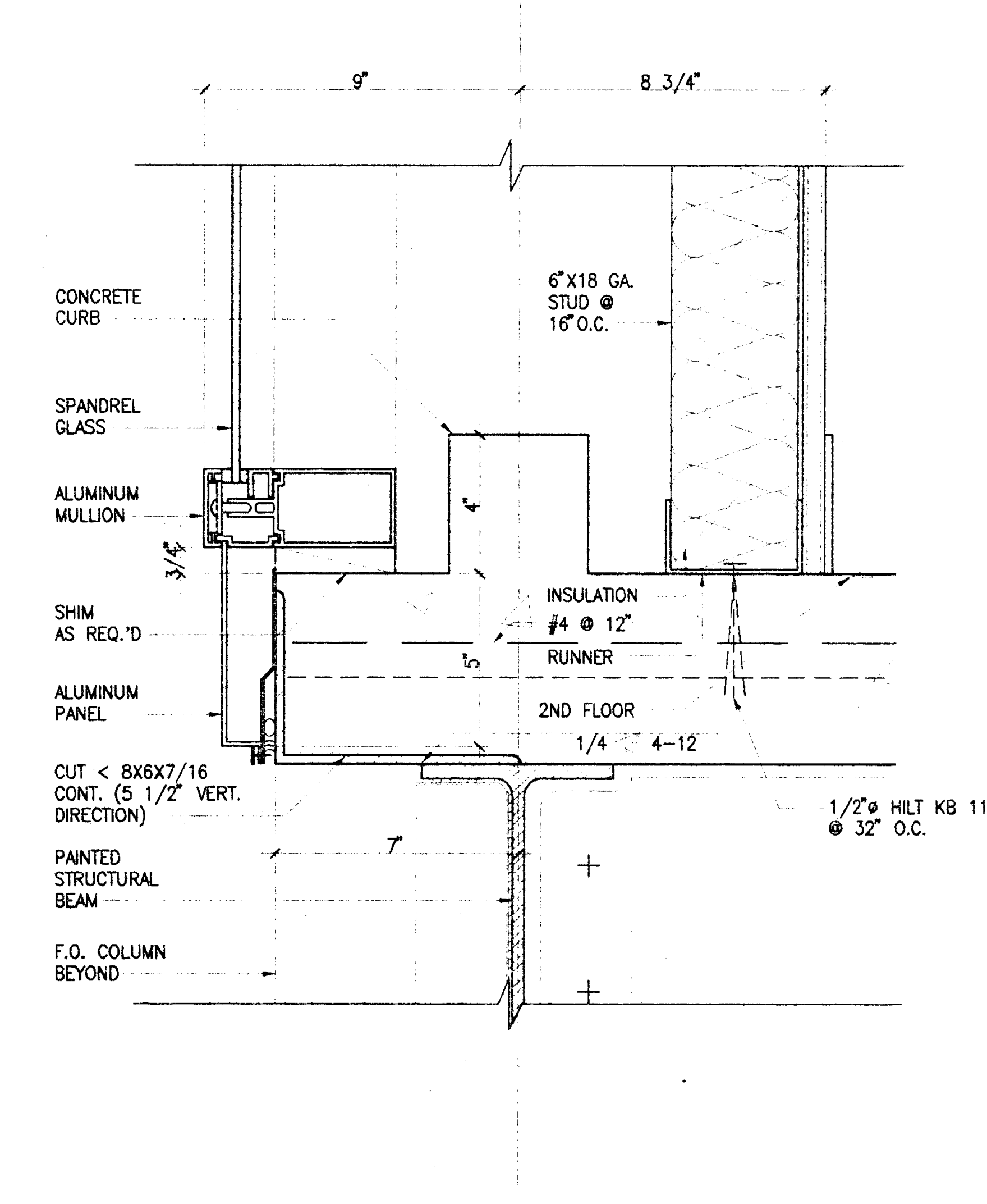
CURTAIN WALL • MAIN LOBBY 3"=1'-0" DE08060B 1 A6.1



WINDOW ON GRID-LINE 10 BTWN. E + E.8 3"=1'-0" DE08062C 14 A6.3



WINDOW ON GRID-LINE 10 BTWN. E + E.8 3"=1'-0" DE08057H 11 A6.3



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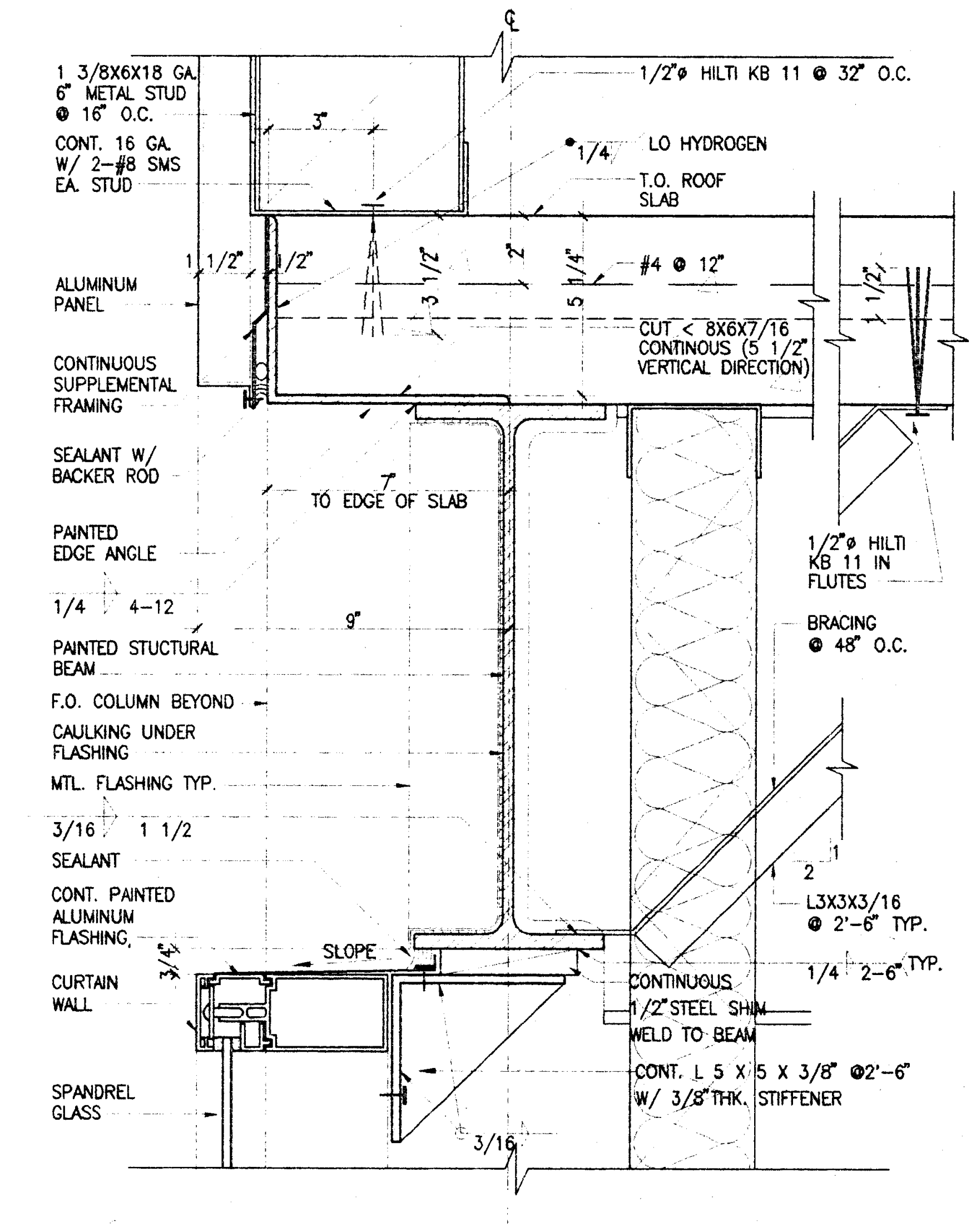
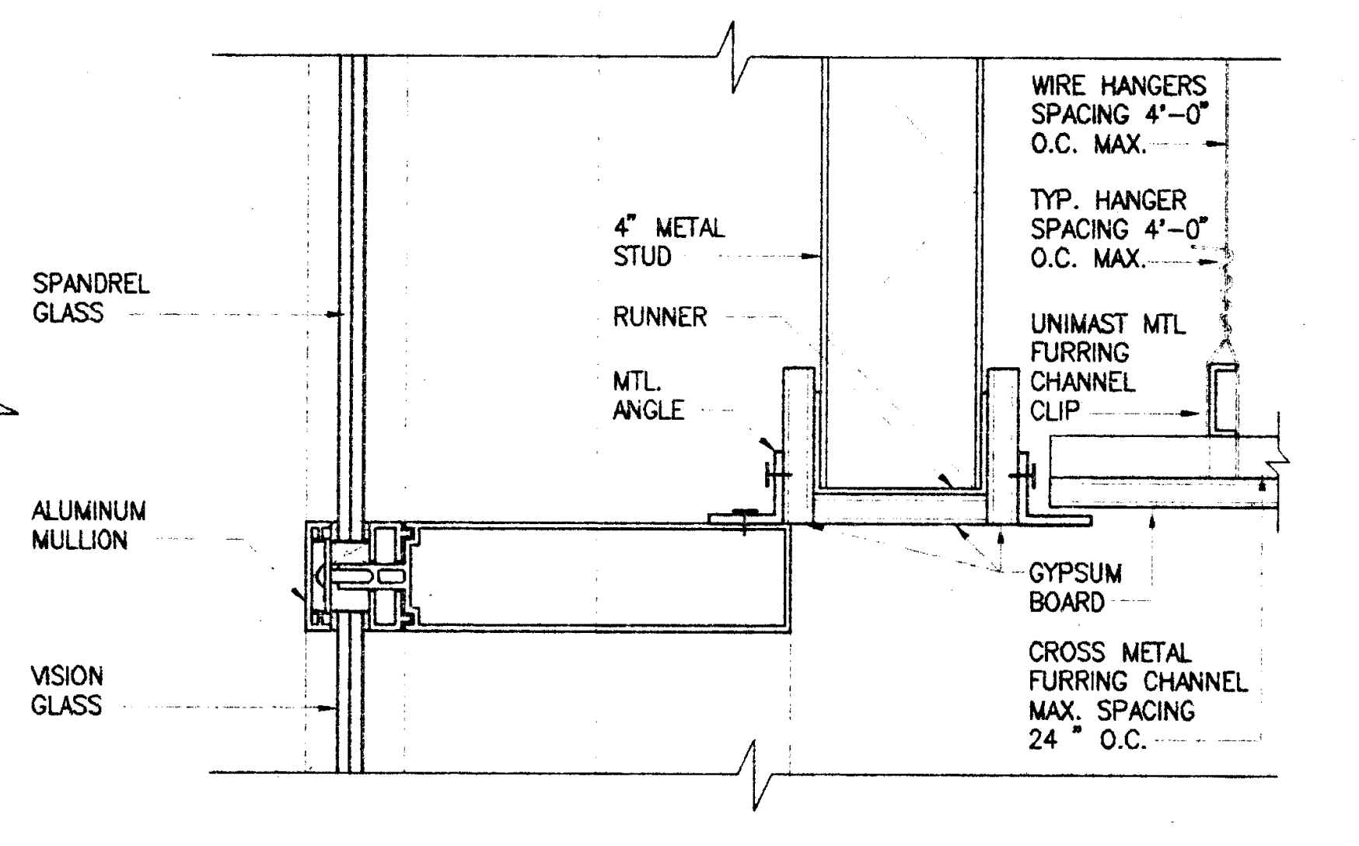
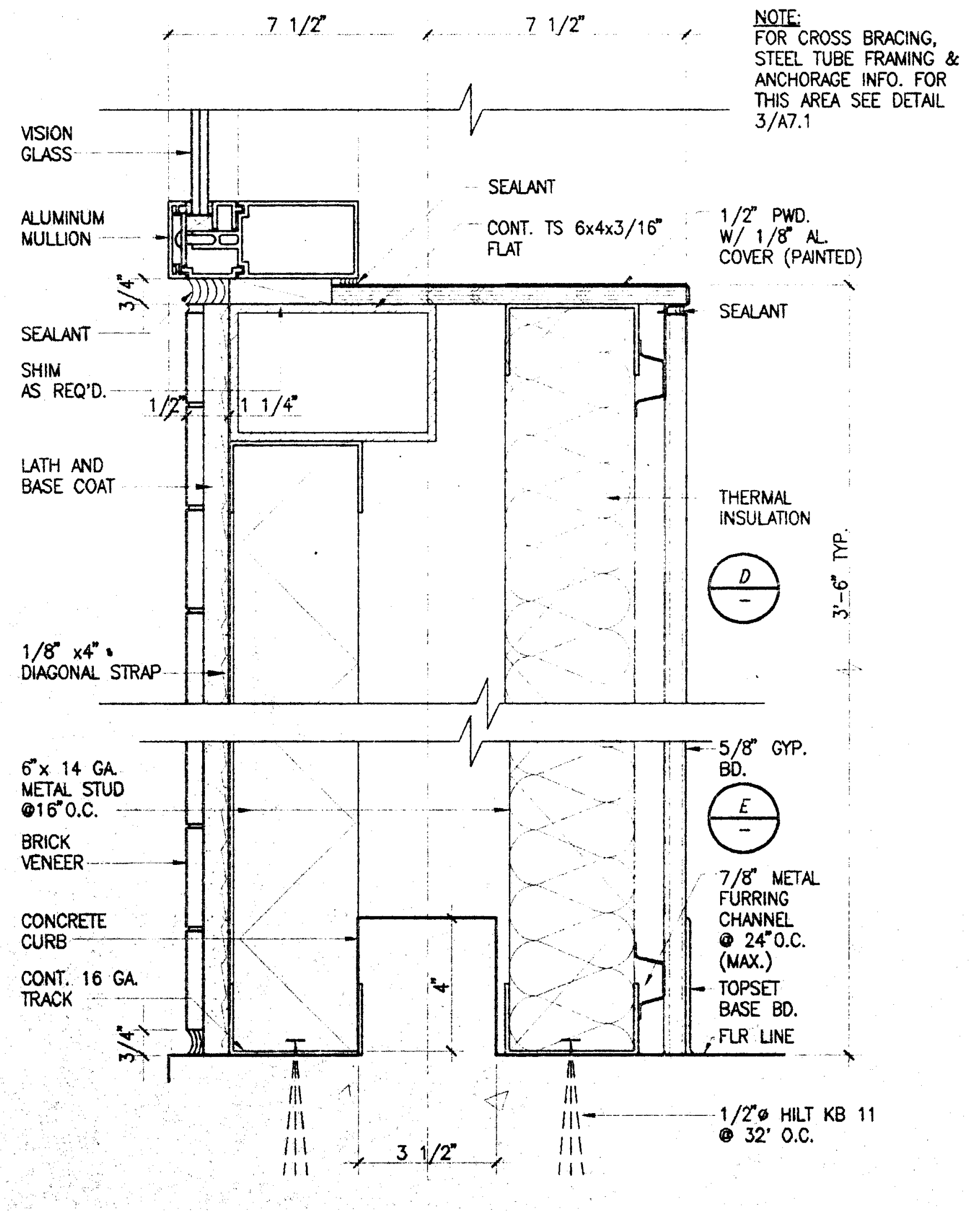


TYPICAL PERIMETER WINDOW WALL 3"=1'-0" DE08057G 5 A6.1

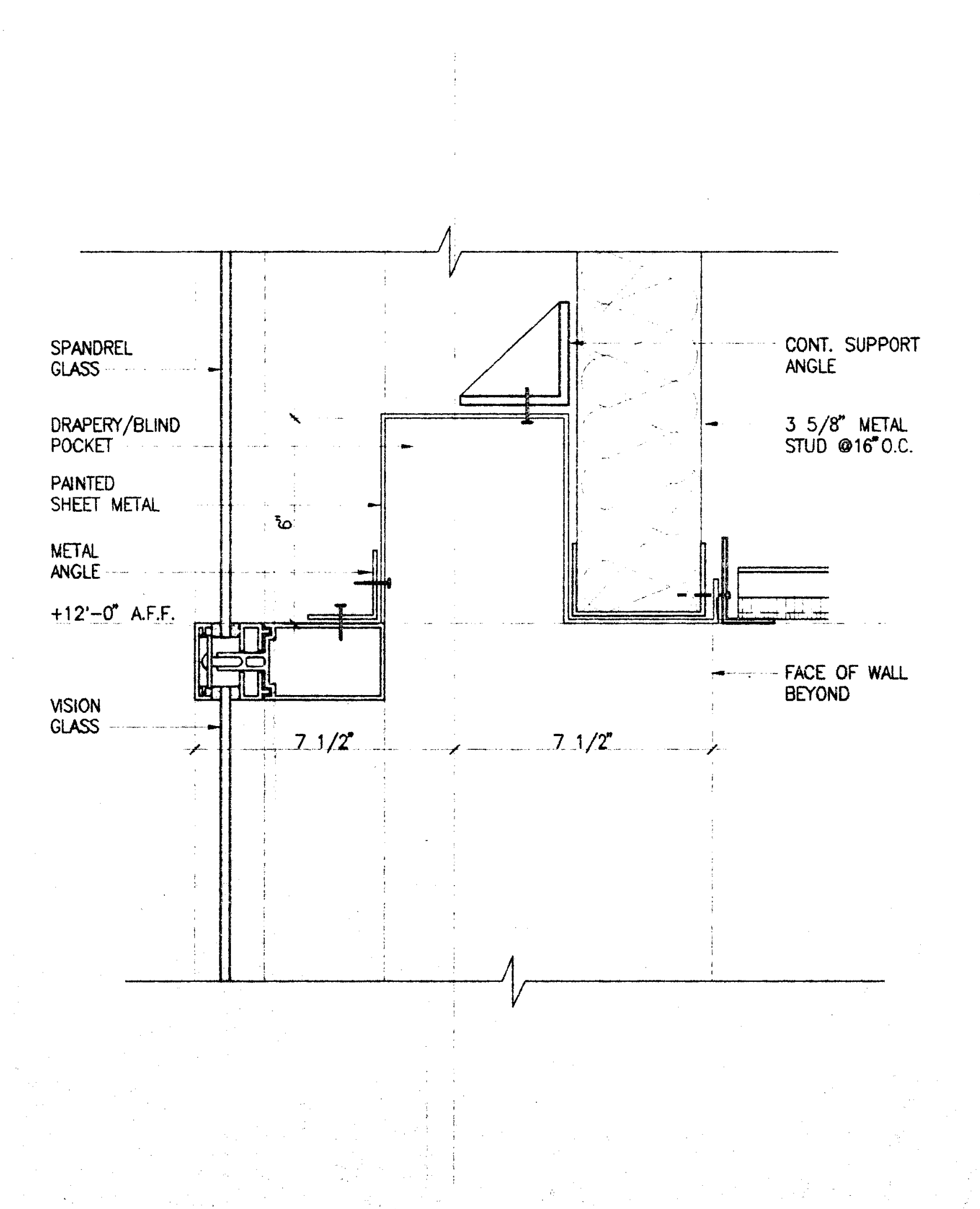
TO COL. 3/16



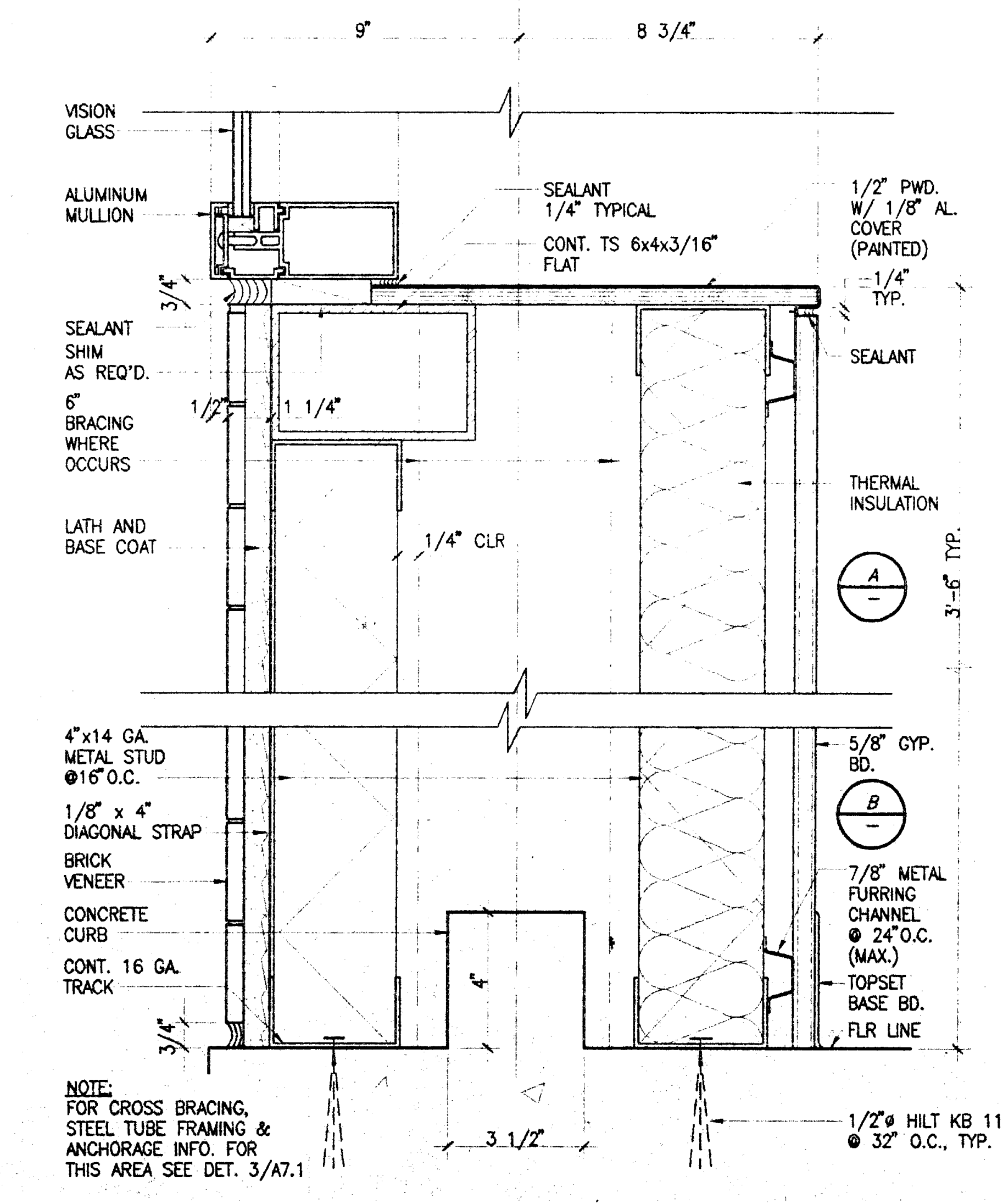
CURTAIN WALL • MAIN LOBBY 3"=1'-0" DE08060B 2 A6.1



WINDOW ON GRID-LINE 10 BTWN. E + E.8 3"=1'-0" DE08062C 15 A6.3



WINDOW ON GRID-LINE BTWN. E + E.8 3"=1'-0" DE08057H 12 A6.3



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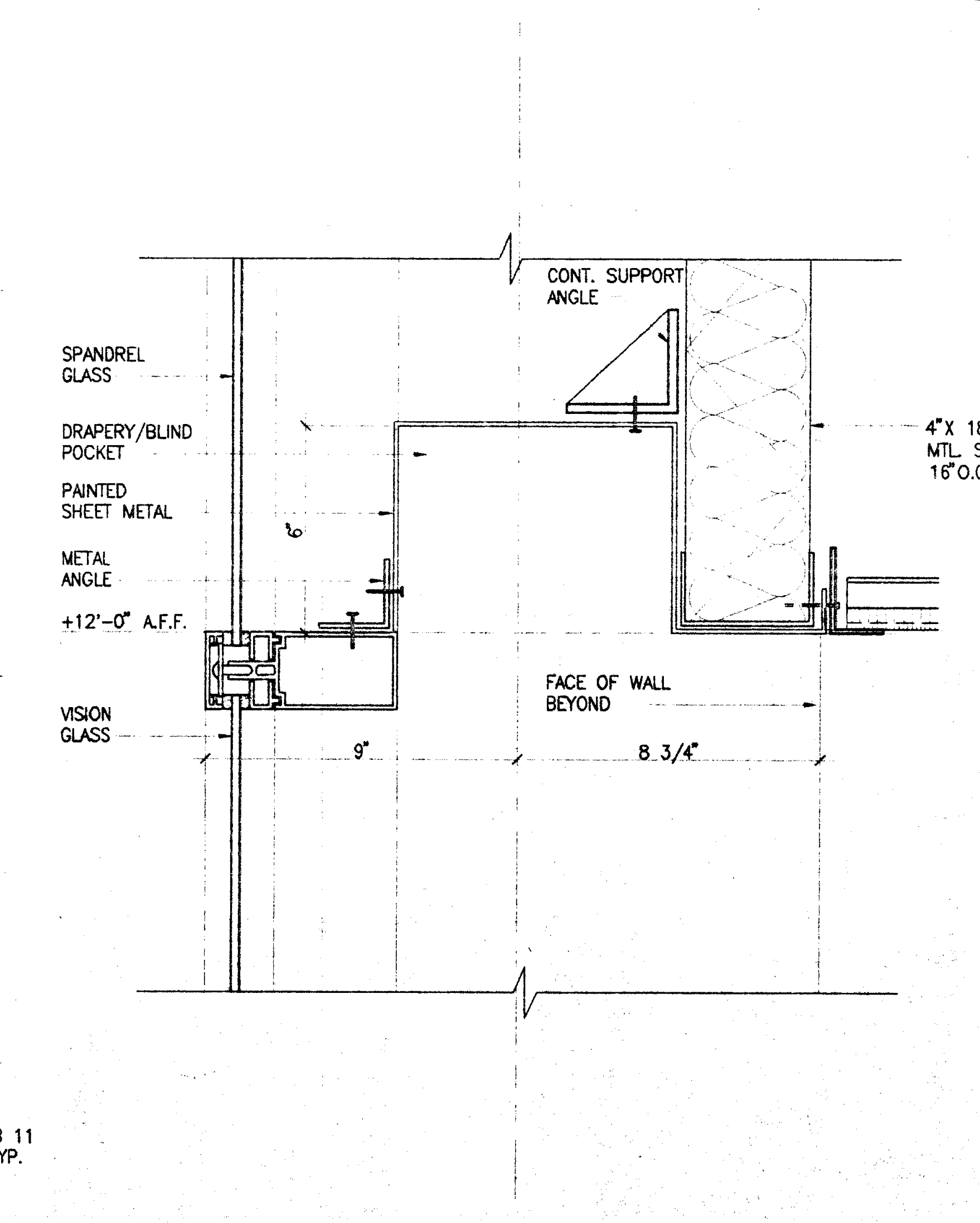
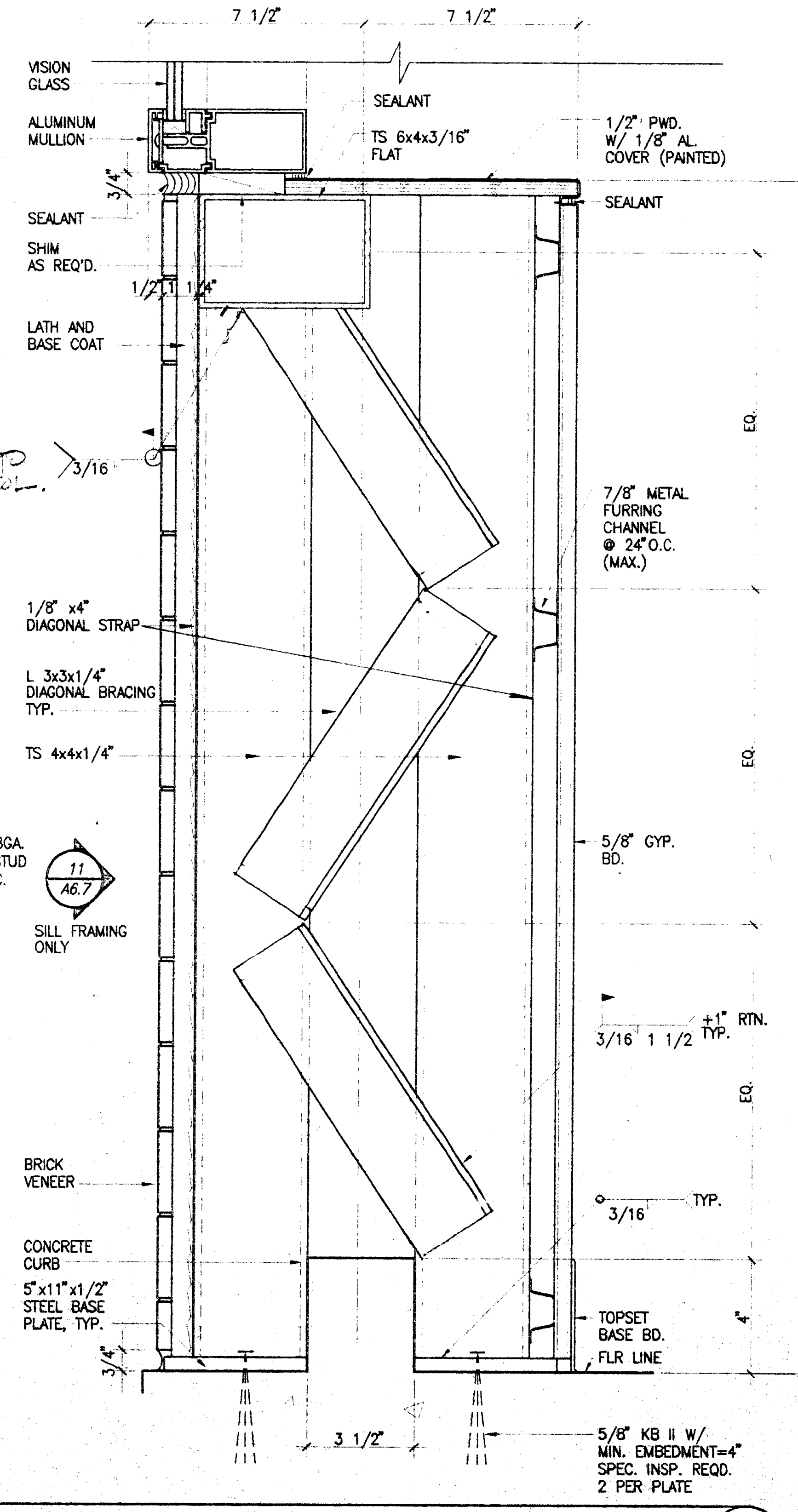


TYPICAL PERIMETER WINDOW WALL 3"=1'-0" DE08057G 6 A6.1



WINDOW ON GRID-LINE 10 BTWN. E + E.8 3"=1'-0" DE08062D 3 A#.#

PLOT DATE: 03.17.98

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PLANNING
ARCHITECTURE

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CHECKED JGM
APPROVED JGM

CONSULTANT

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SEAL

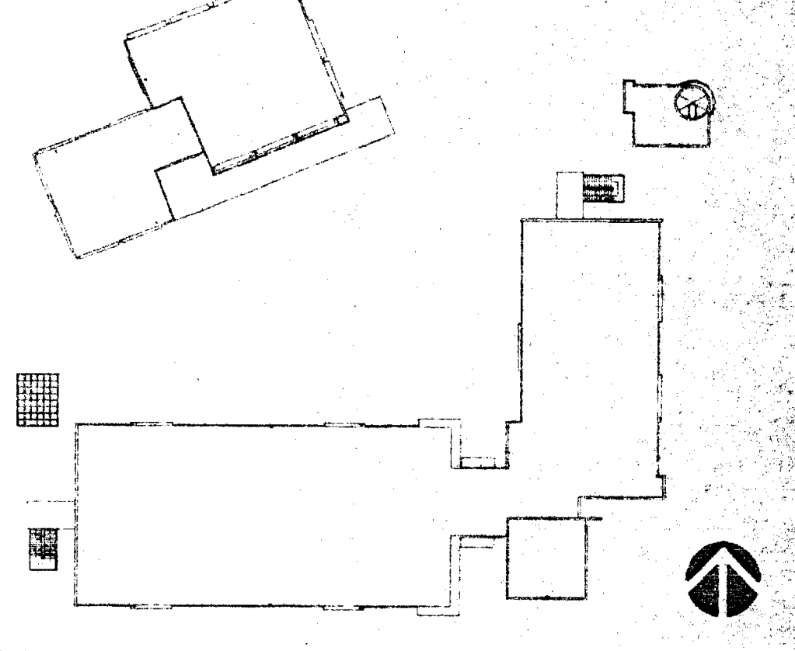
LICENSED ARCHITECT
MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE
STATE OF CALIFORNIA

GENERAL NOTES:

SUPPLEMENTAL FRAMING FOR ATTACHMENT OF PANELS TO STRUCTURE TO BE PROVIDED BY PANEL MANUFACTURER.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ___ FLS ___ SS ___
3-30-98

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

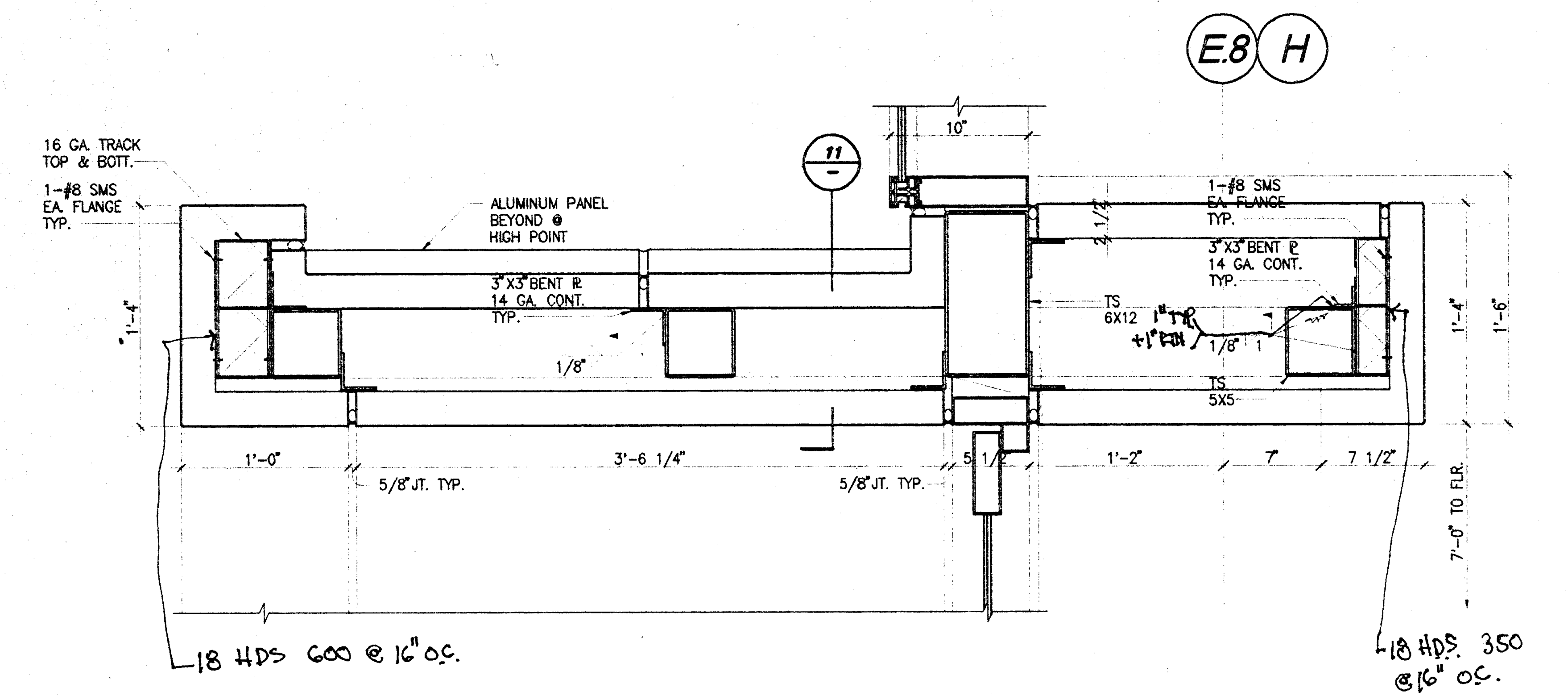
PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

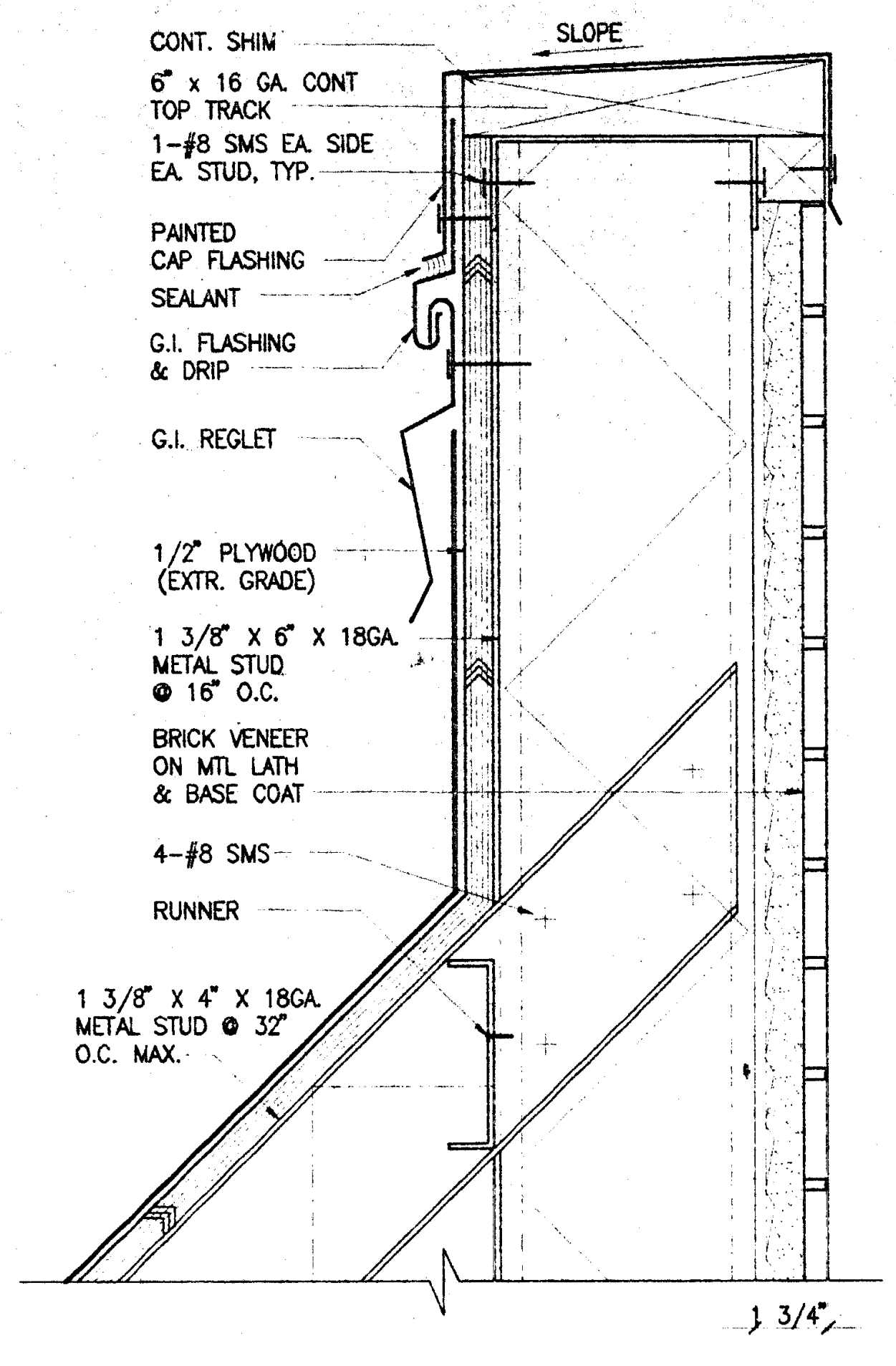
SHEET TITLE

BUILDING
ENVELOPE
DETAILS

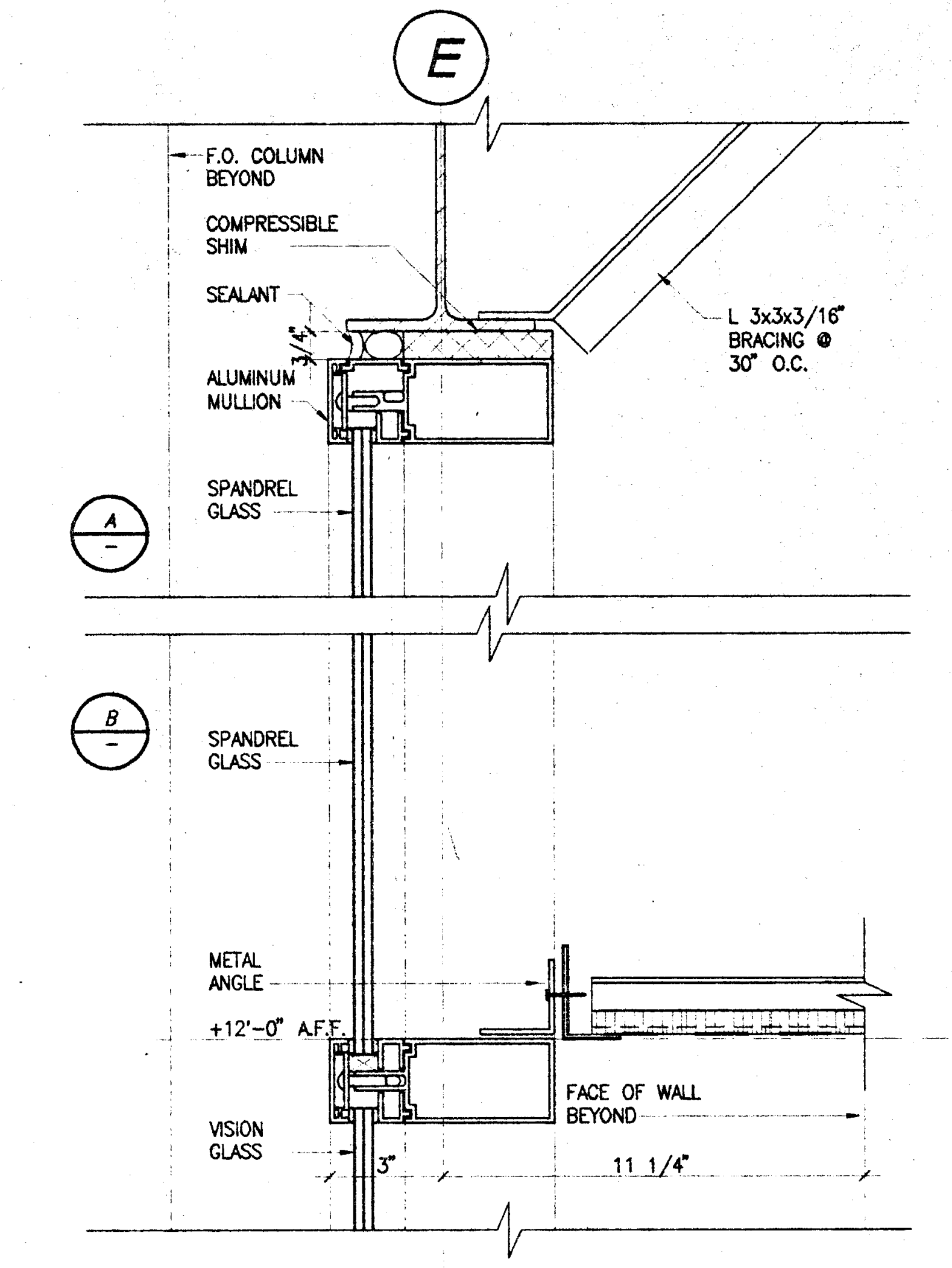
FILE: CMA7-01
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO. A7.1
OF ___ SHEETS



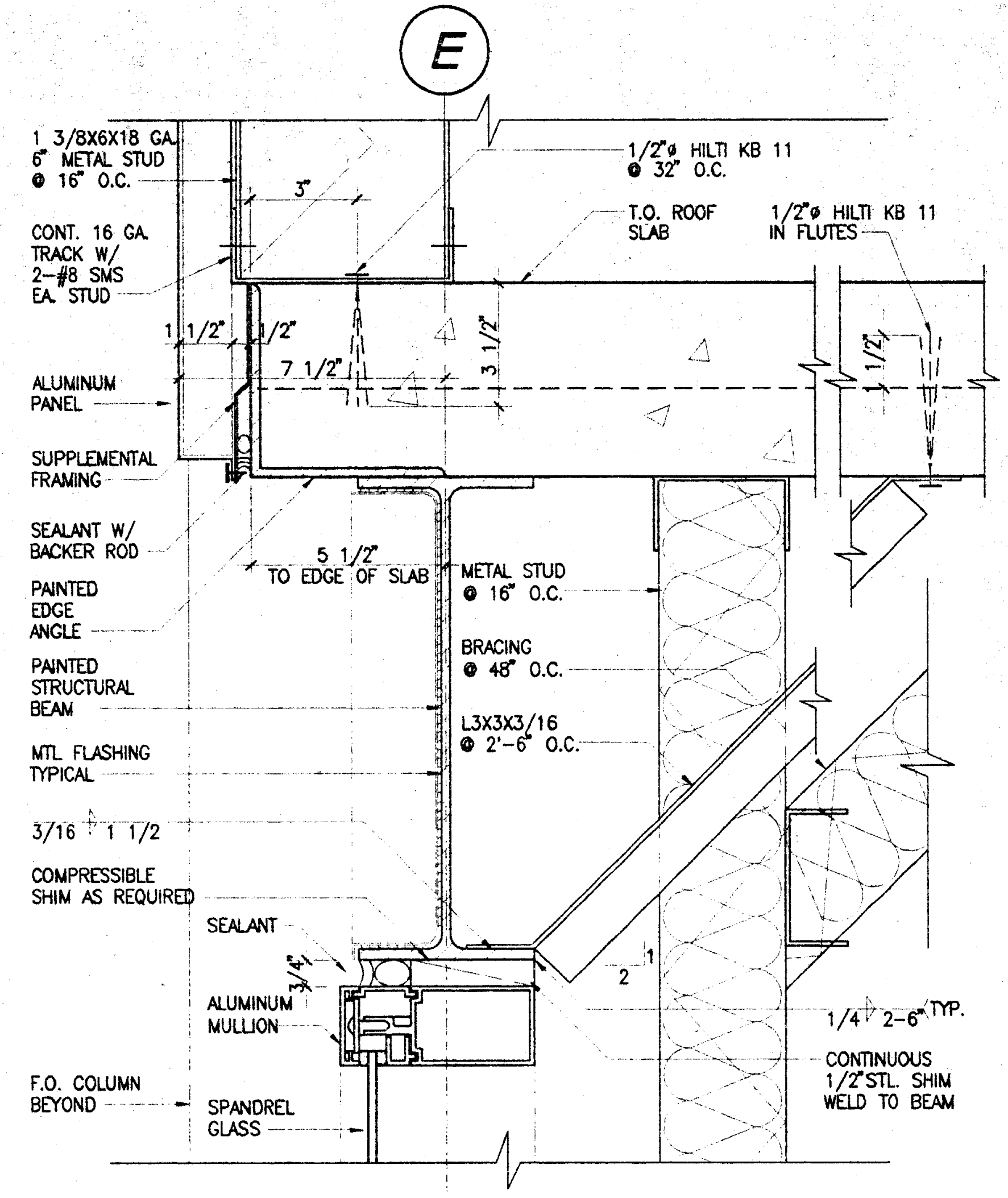
ENTRY CANOPY-SECTION 1 1/2"=1'-0" 10 DE08066B A6.1



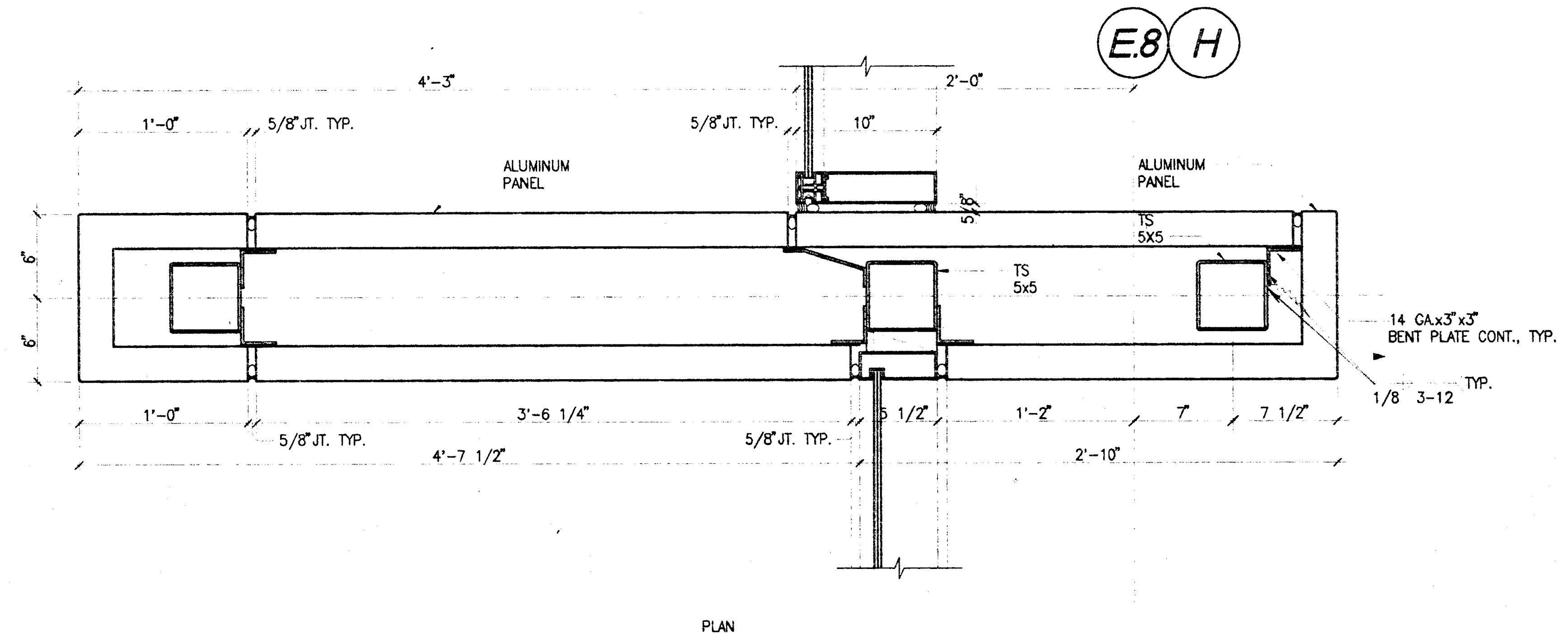
PARAPET DETAIL 3"=1'-0" 7 DE07032B A#.#



WINDOW ON GRID-LINE E BTWN. 10 + 11 3"=1'-0" 4 DE08061B A6.2



WINDOW ON GRID-LINE E BTWN. 10 + 11 3"=1'-0" 1 DE08061A A6.2



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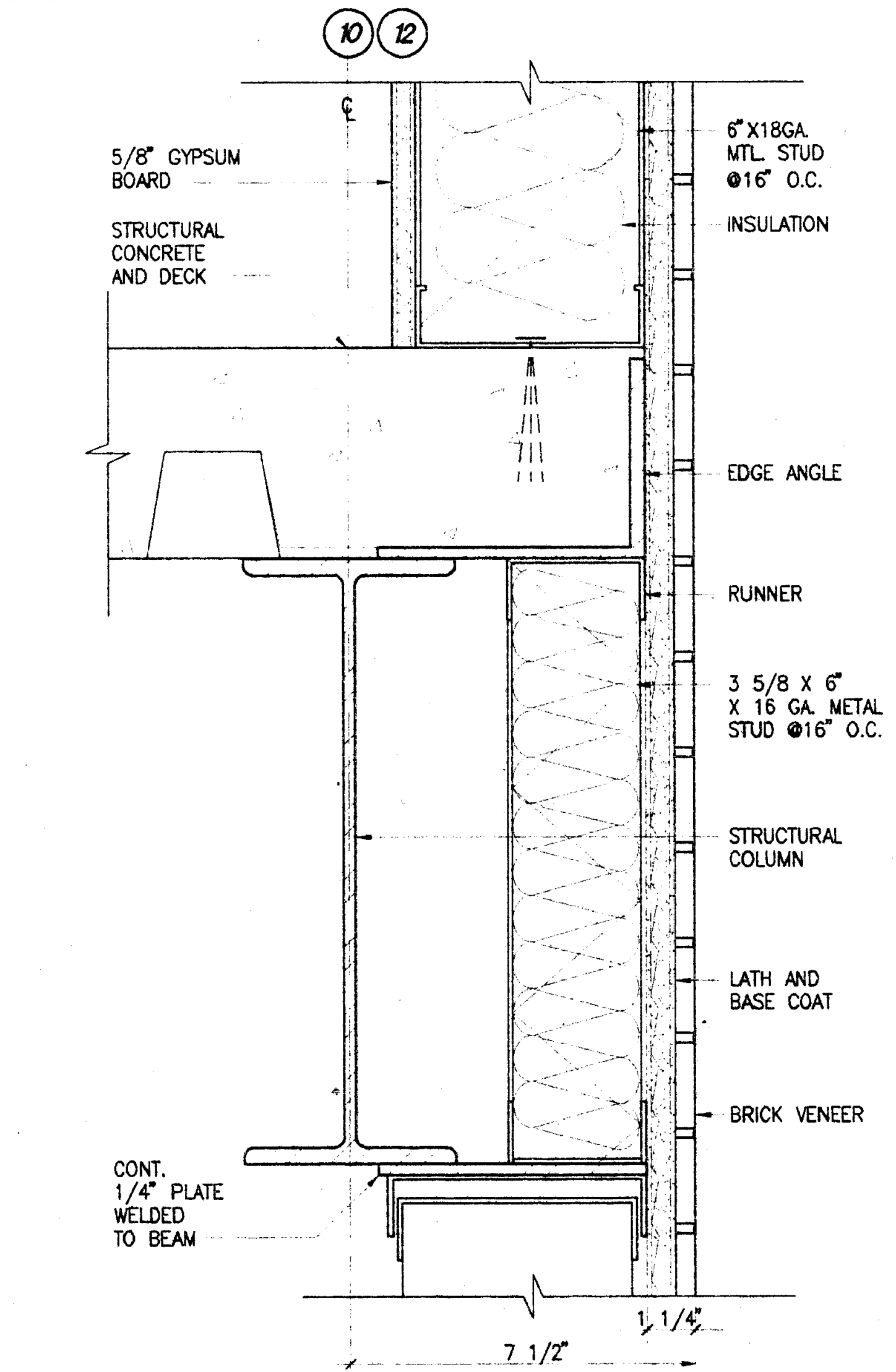
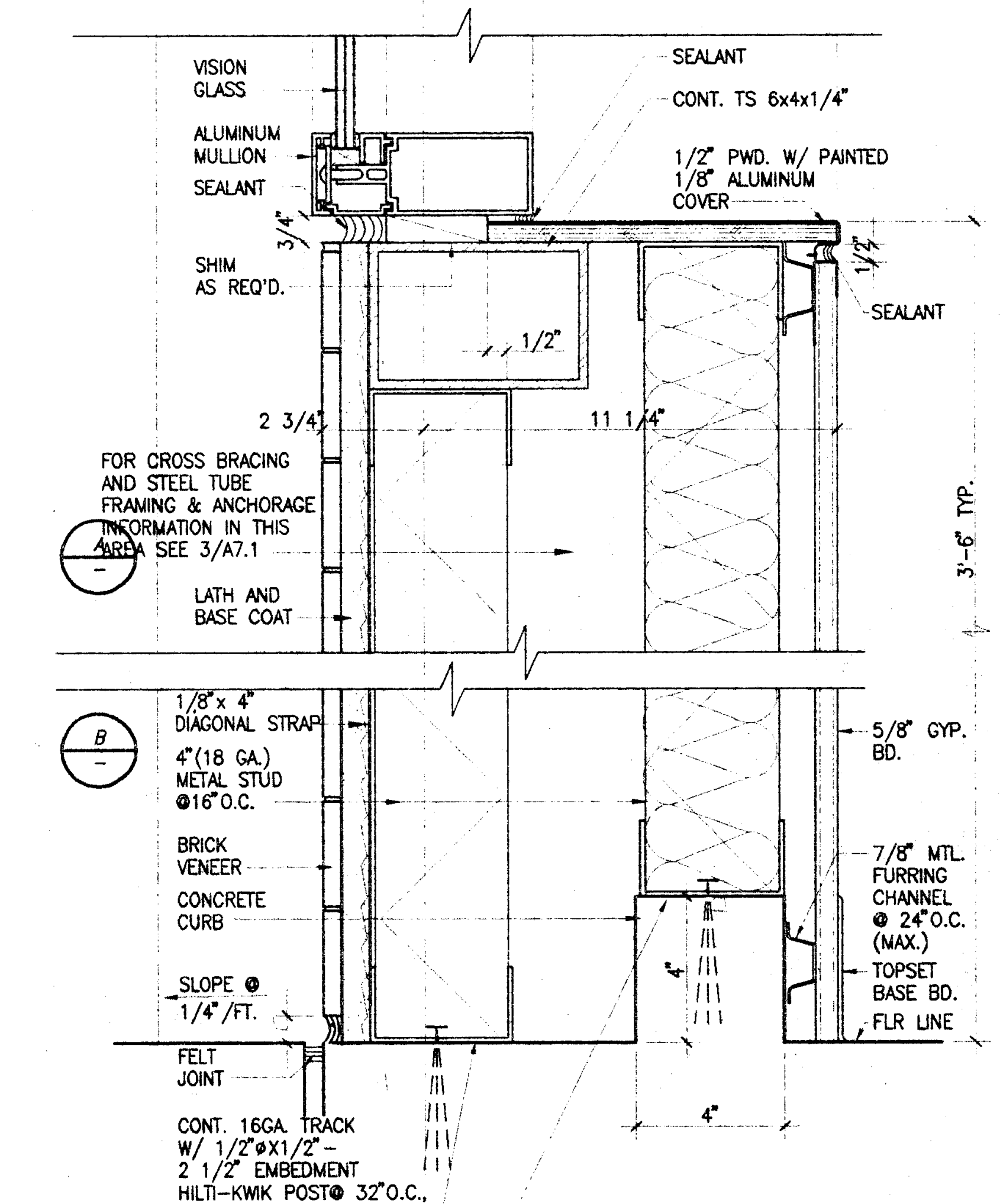
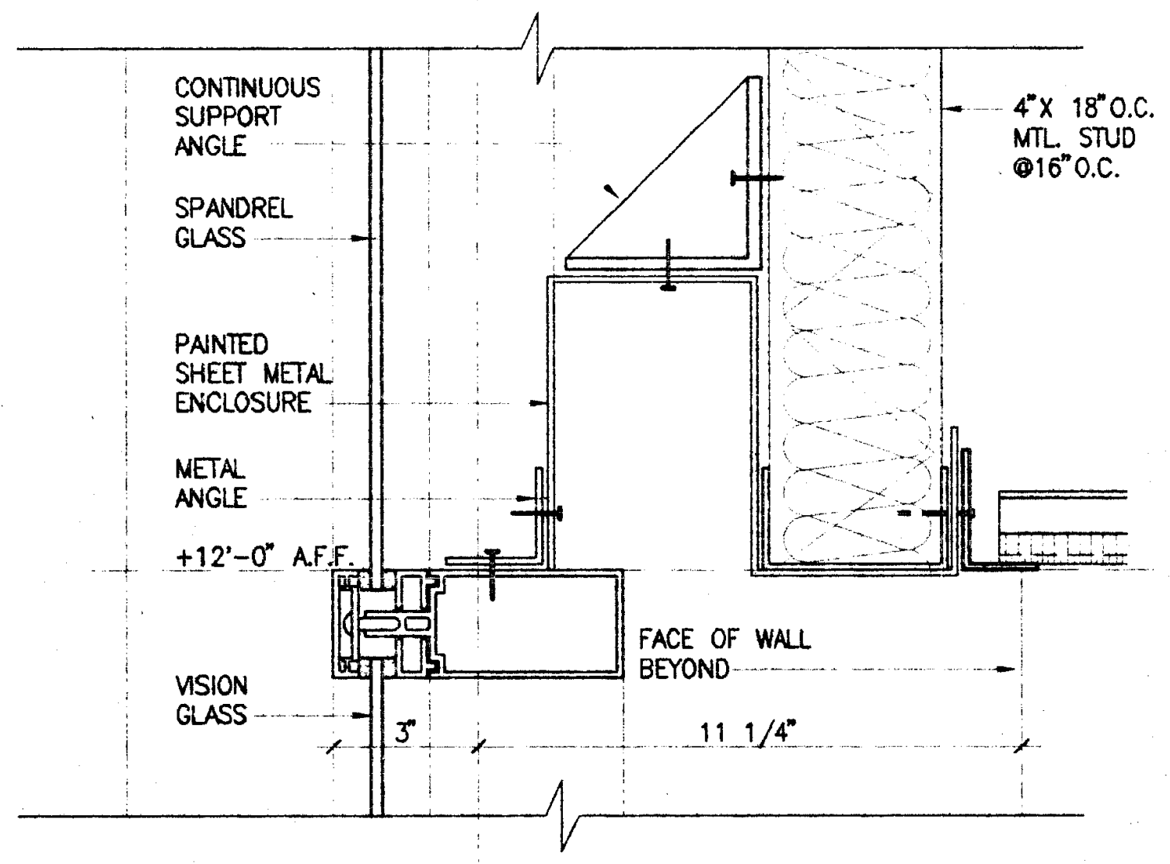


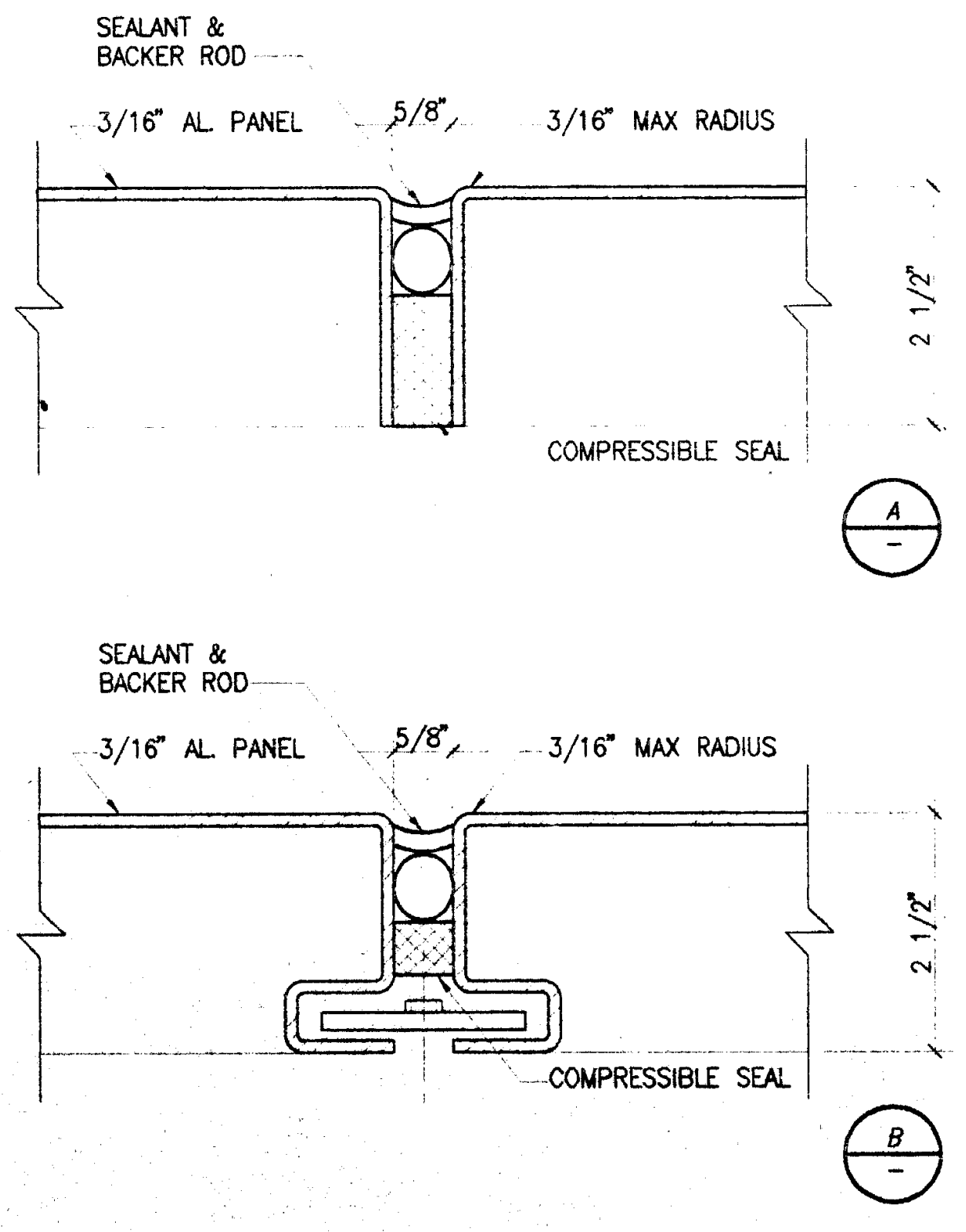
WINDOW ON GRID-LINE E BTWN. 10 + 11 3"=1'-0" 8 DE05041B A6.3



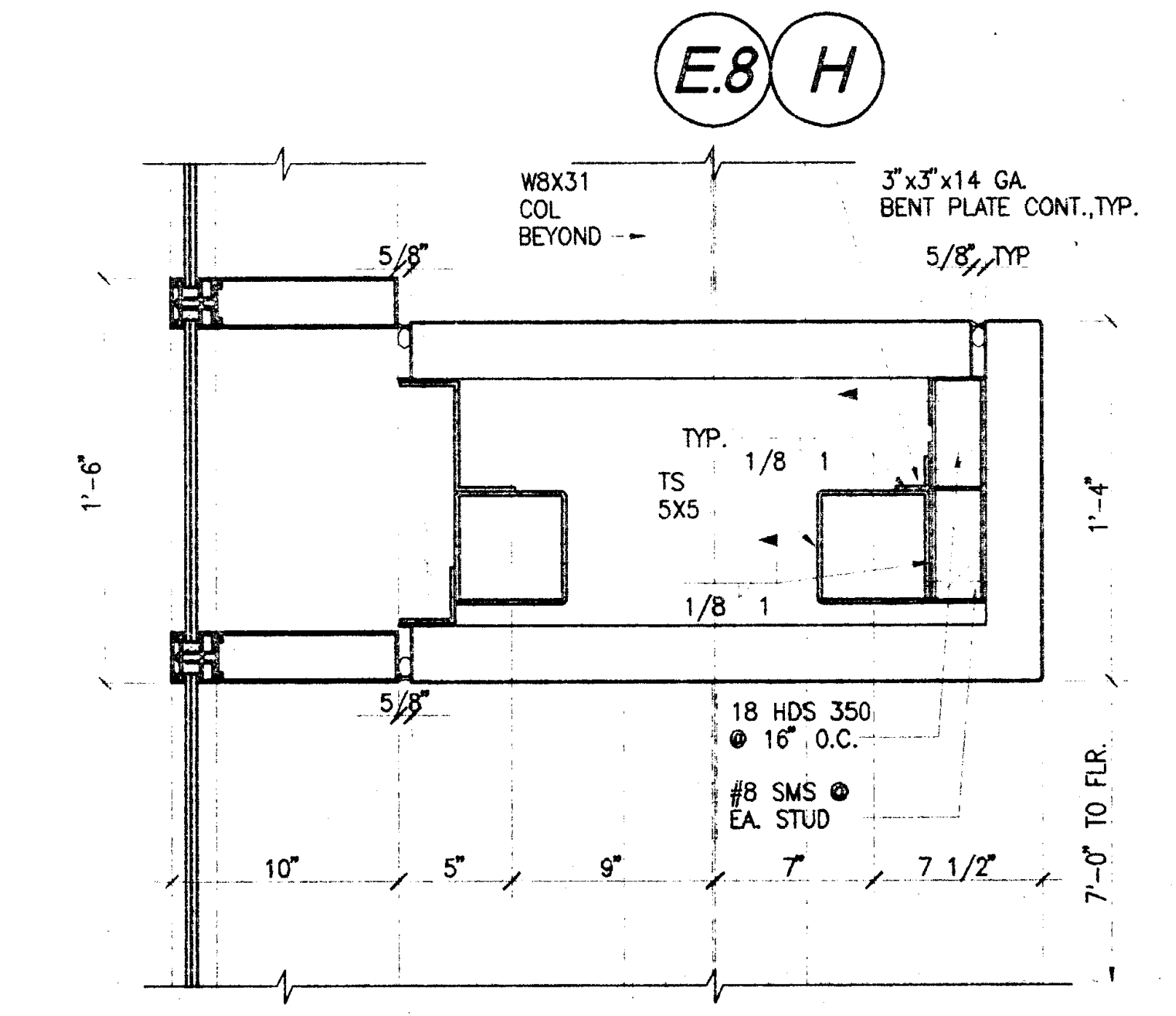
WINDOW ON GRID-LINE E BTWN. 10 + 11 3"=1'-0" 5 DE08061B A6.2



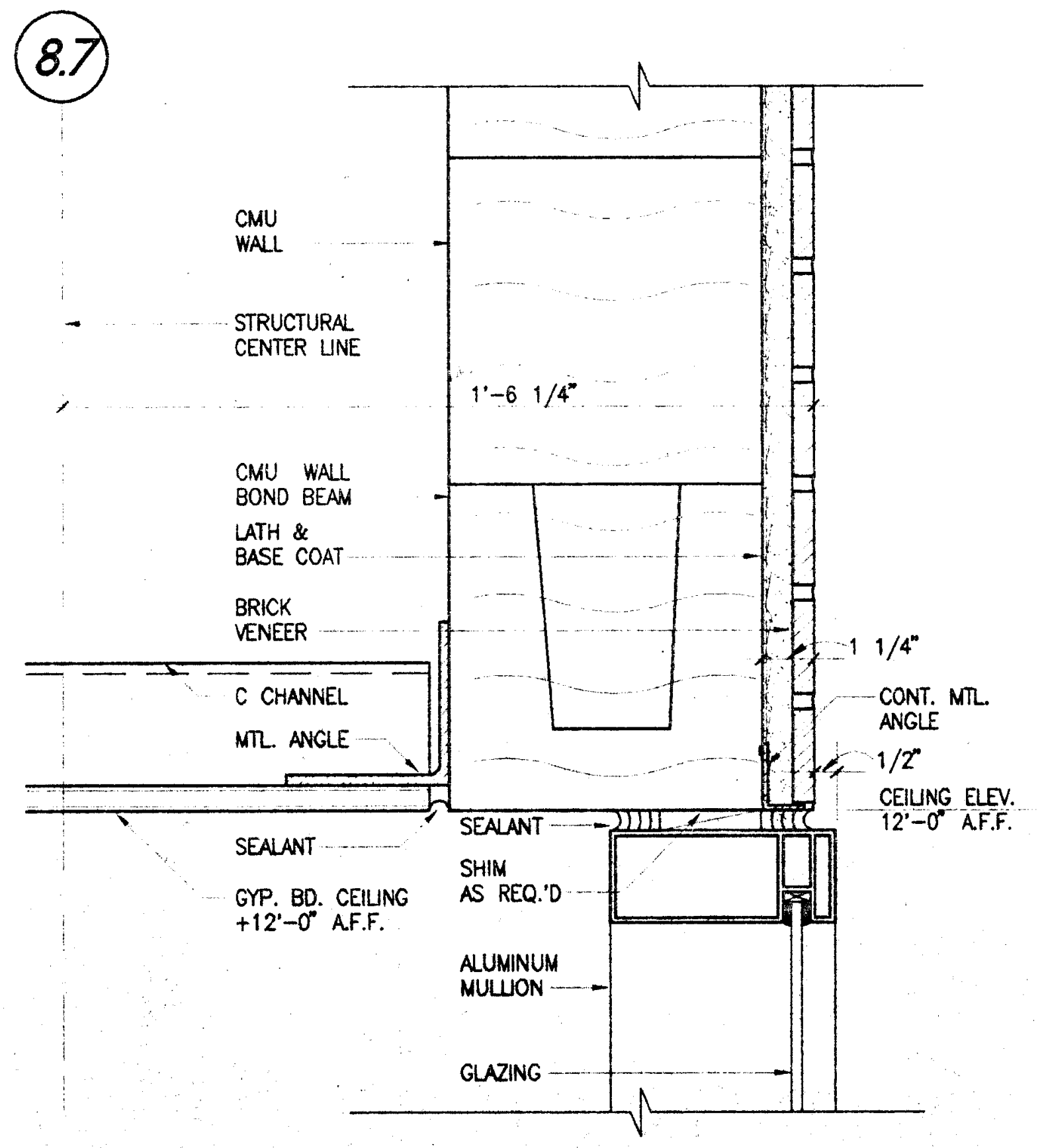
WINDOW ON GRID-LINE E BTWN. 10 + 11 3"=1'-0" 2 DE08061A A6.2



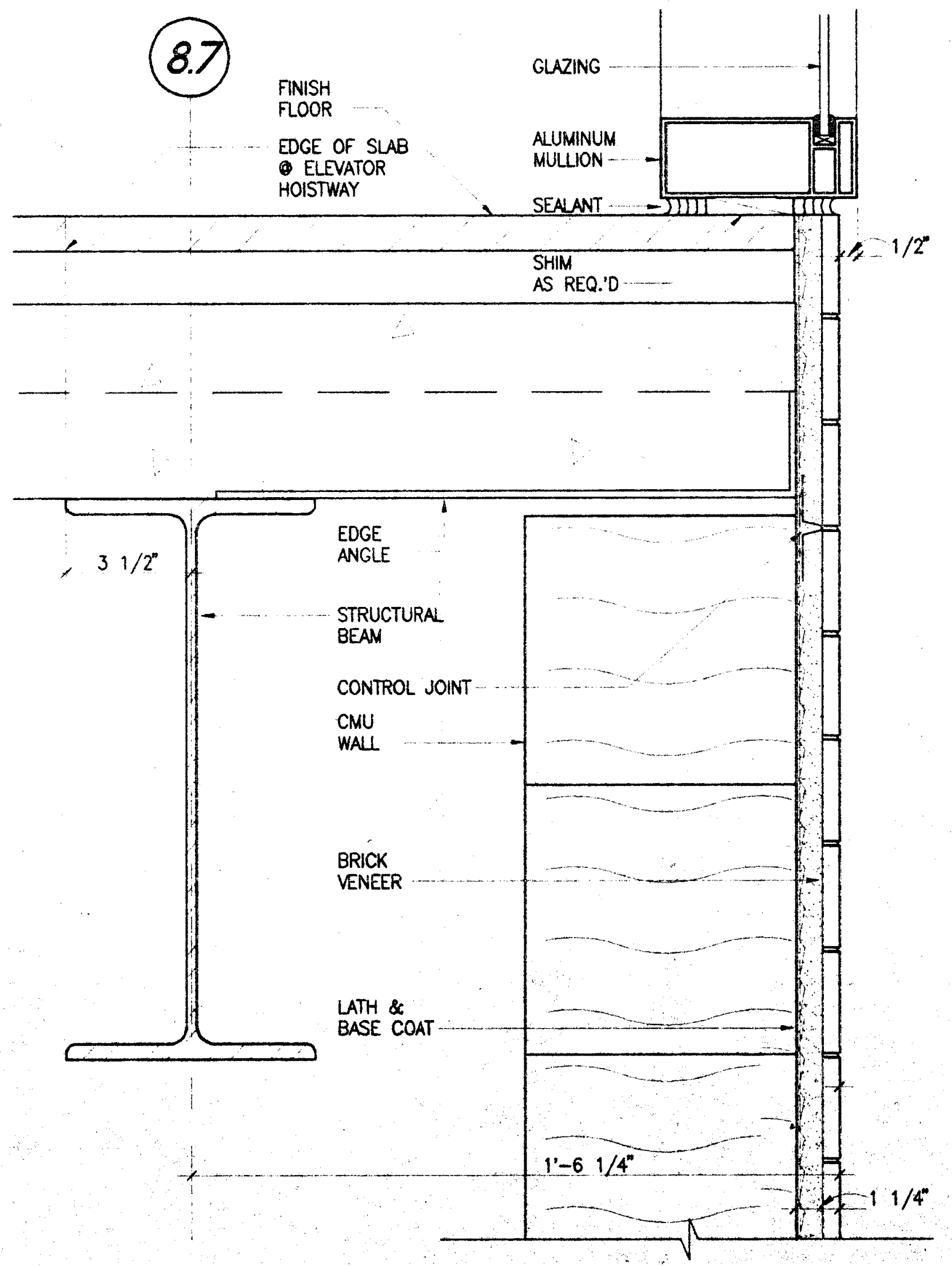
METAL PANEL JOINT HALF FULL 15 DE10077B -



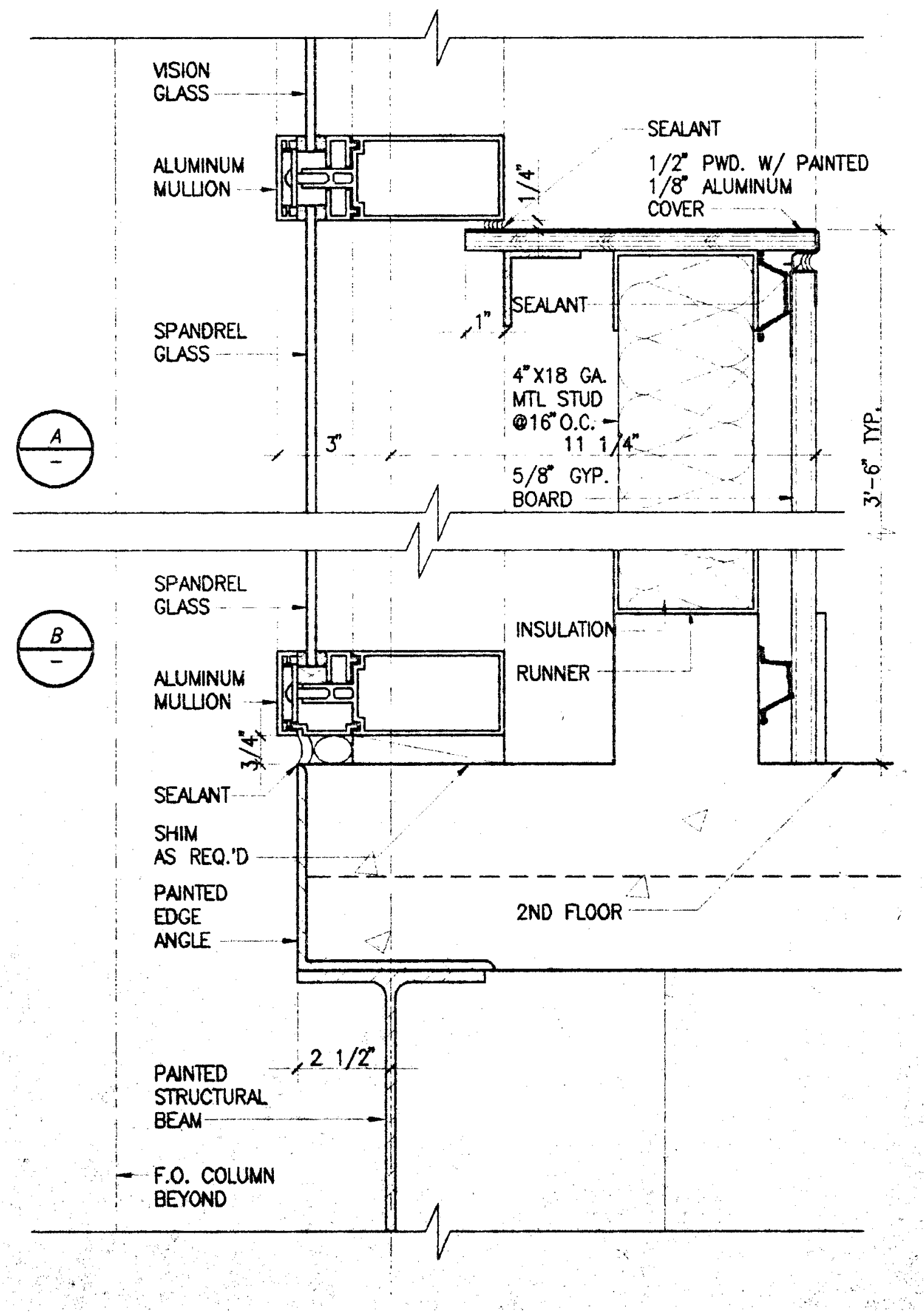
METAL PANEL JOINT 1 1/2"=1'-0" 12 DE08066A A6.1



WINDOW HEAD/JAMB 3"=1'-0" 9 DE05041C A6.1



WINDOW ON GRID-LINE 8.7 BTWN 8+9 3"=1'-0" 6 DE05041A A6.2



WINDOW ON GRID-LINE E BTWN. 10 + 11 3"=1'-0" 3 DE08061A A6.2

PLOT DATE: 03.17.98

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SEAL

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IDENTIFICATION STAMP
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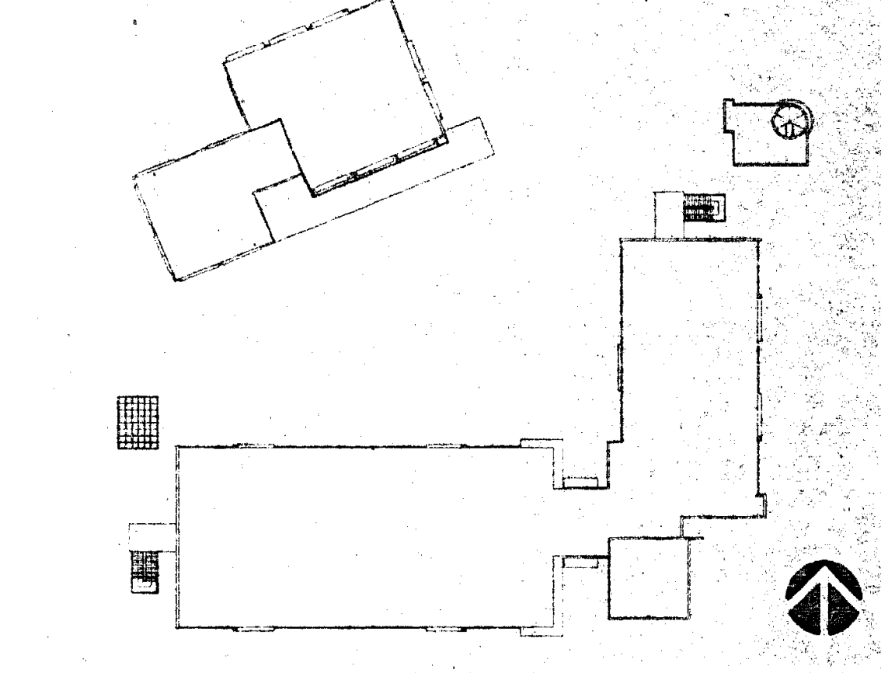
APPL · 69120
AC W FLS SS UC 3-20-98

KEY PLAN



NO.	DATE	BY	REVISION

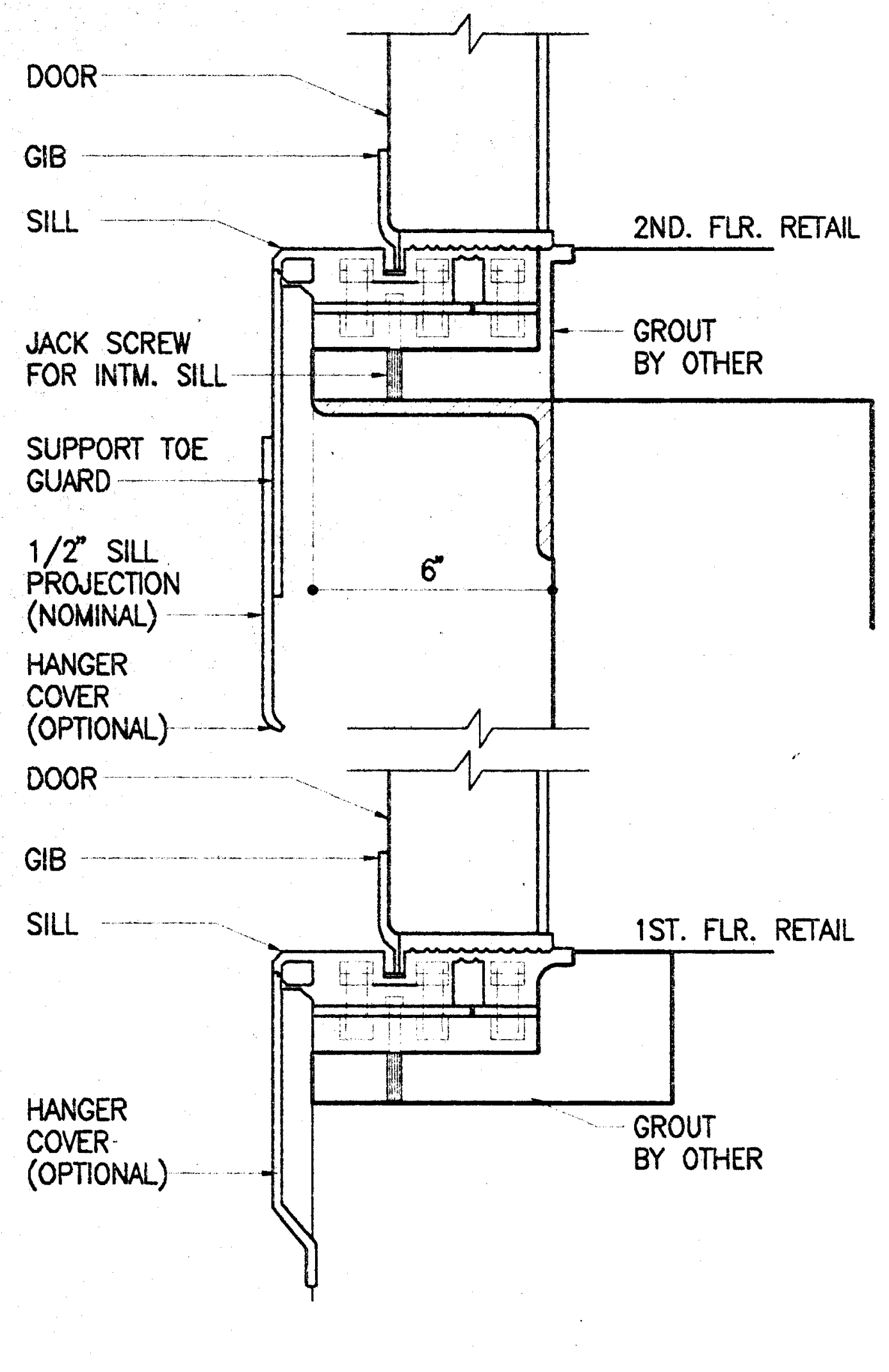
PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
BUILDING ENVELOPE DETAILS

FILE: CMA7-02
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO. A7.2
OF ___ SHEETS



ELEVATOR THRESHOLD
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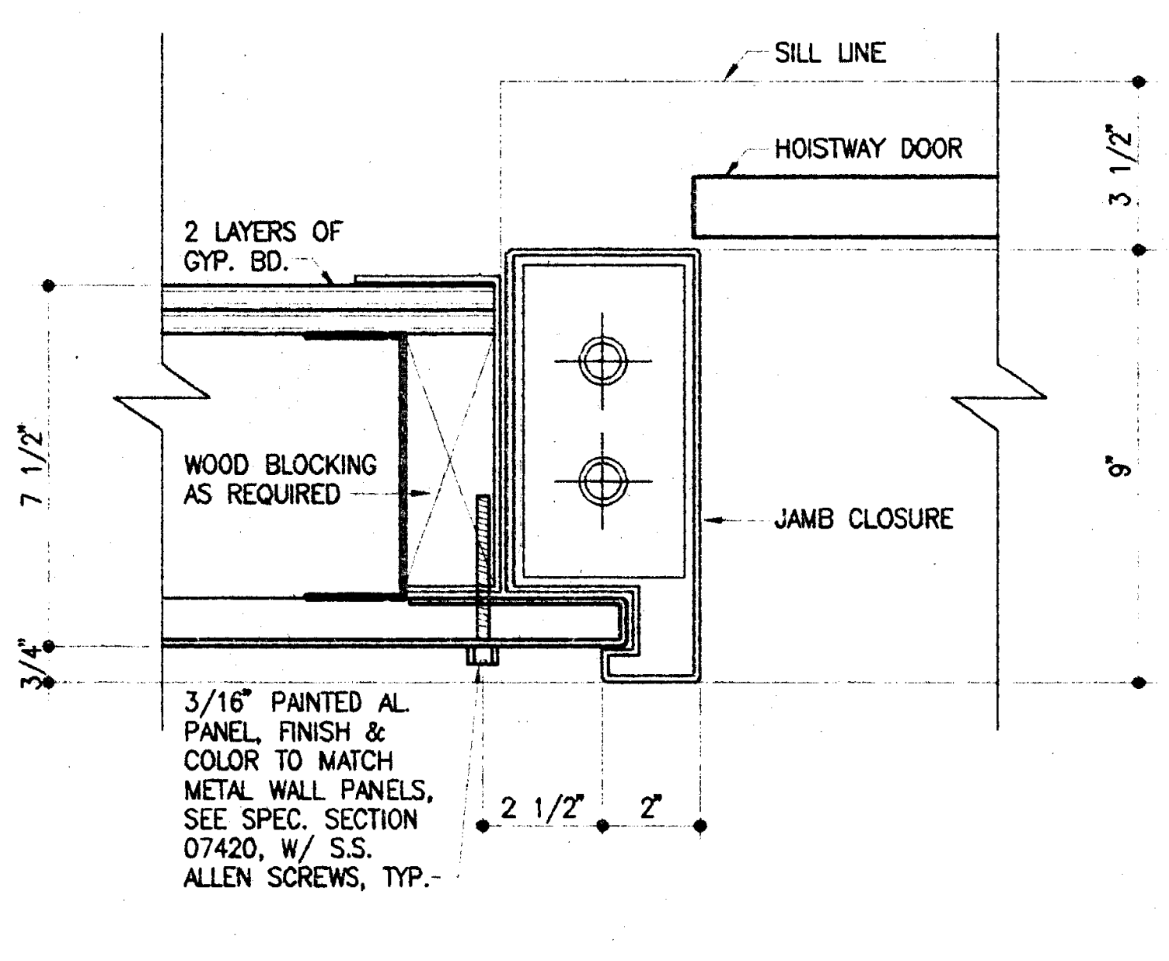
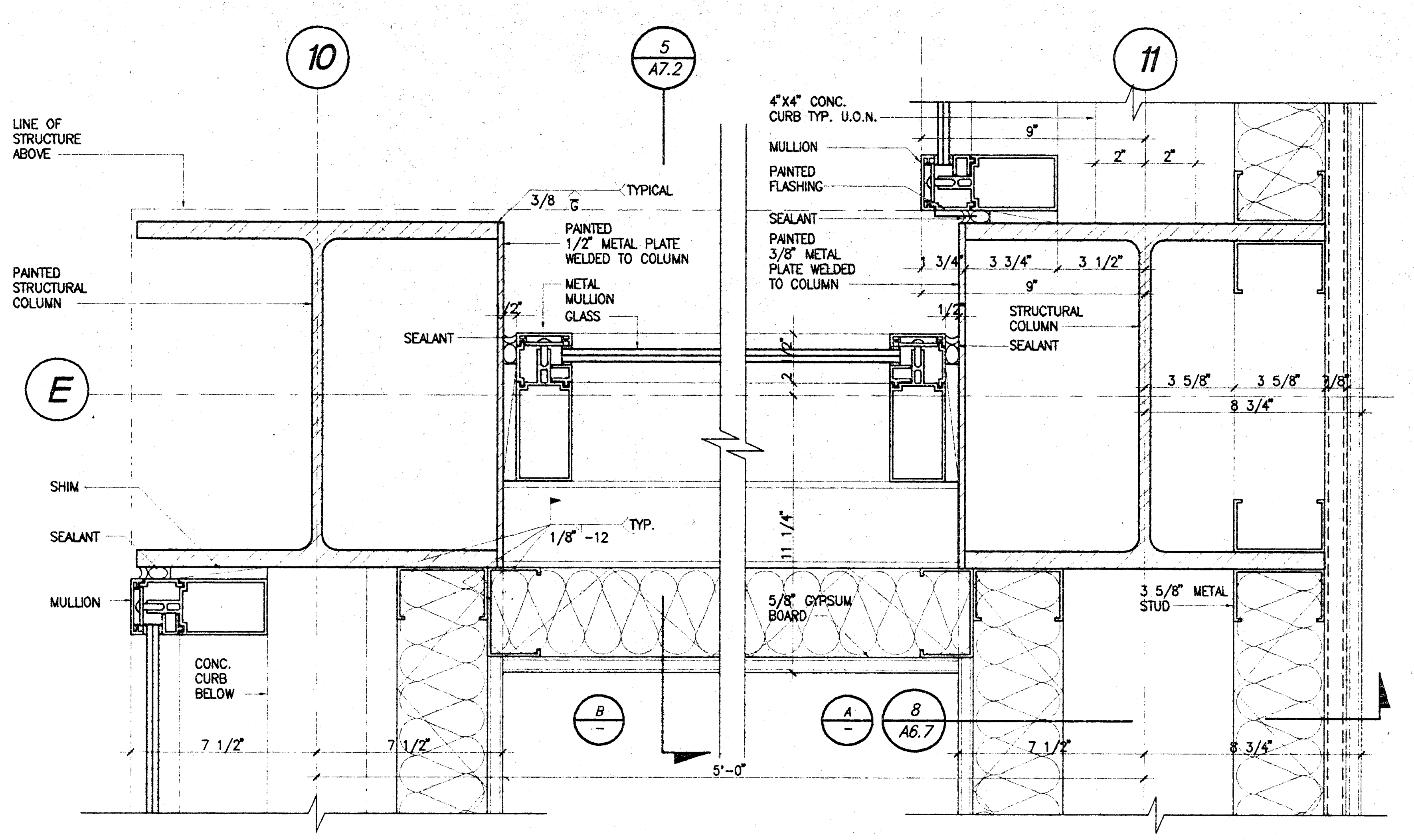
13
14003B
A2.5

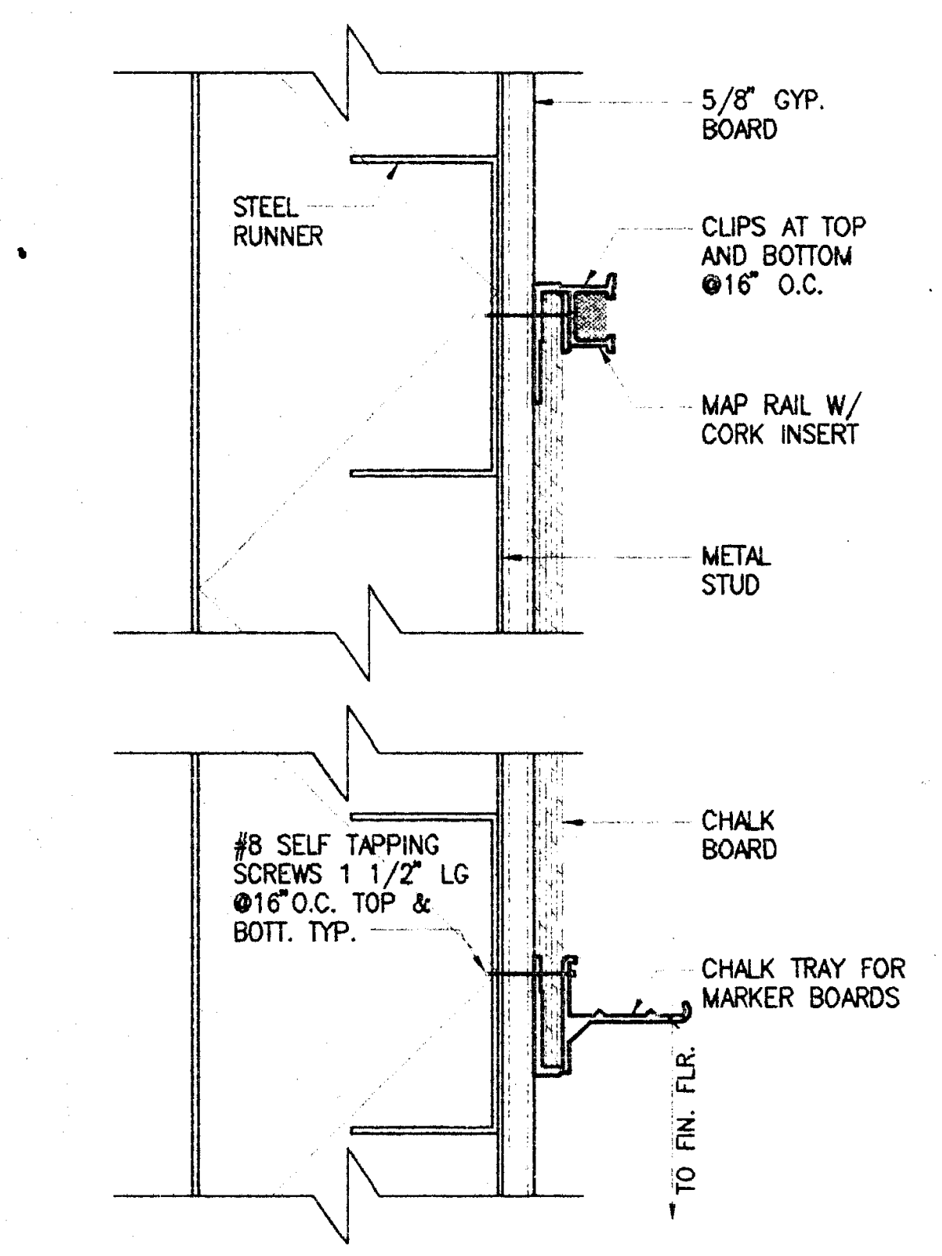


ELEVATOR JAMB
3"=1'-0"
10
DE14001L
A#.#

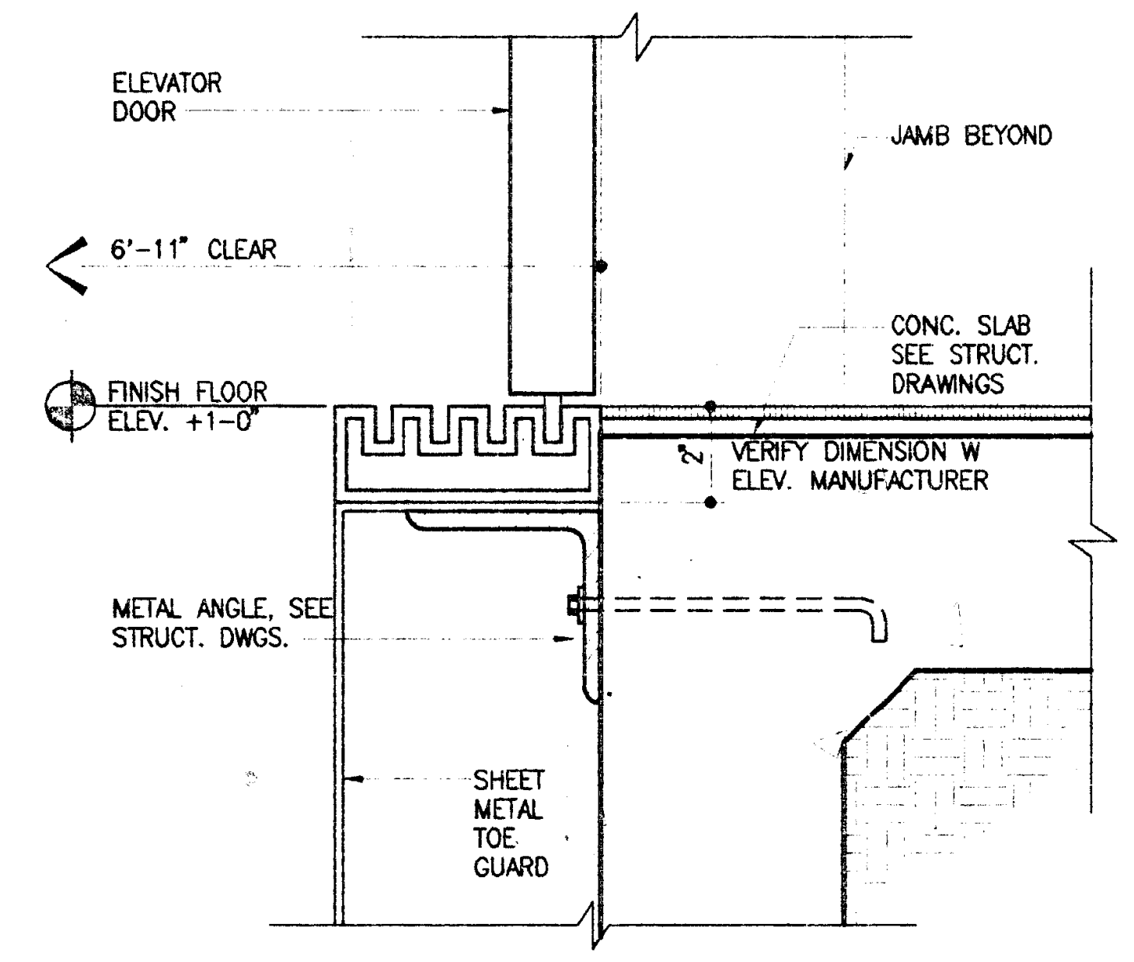
NOT USED
–
7
–
A#.#



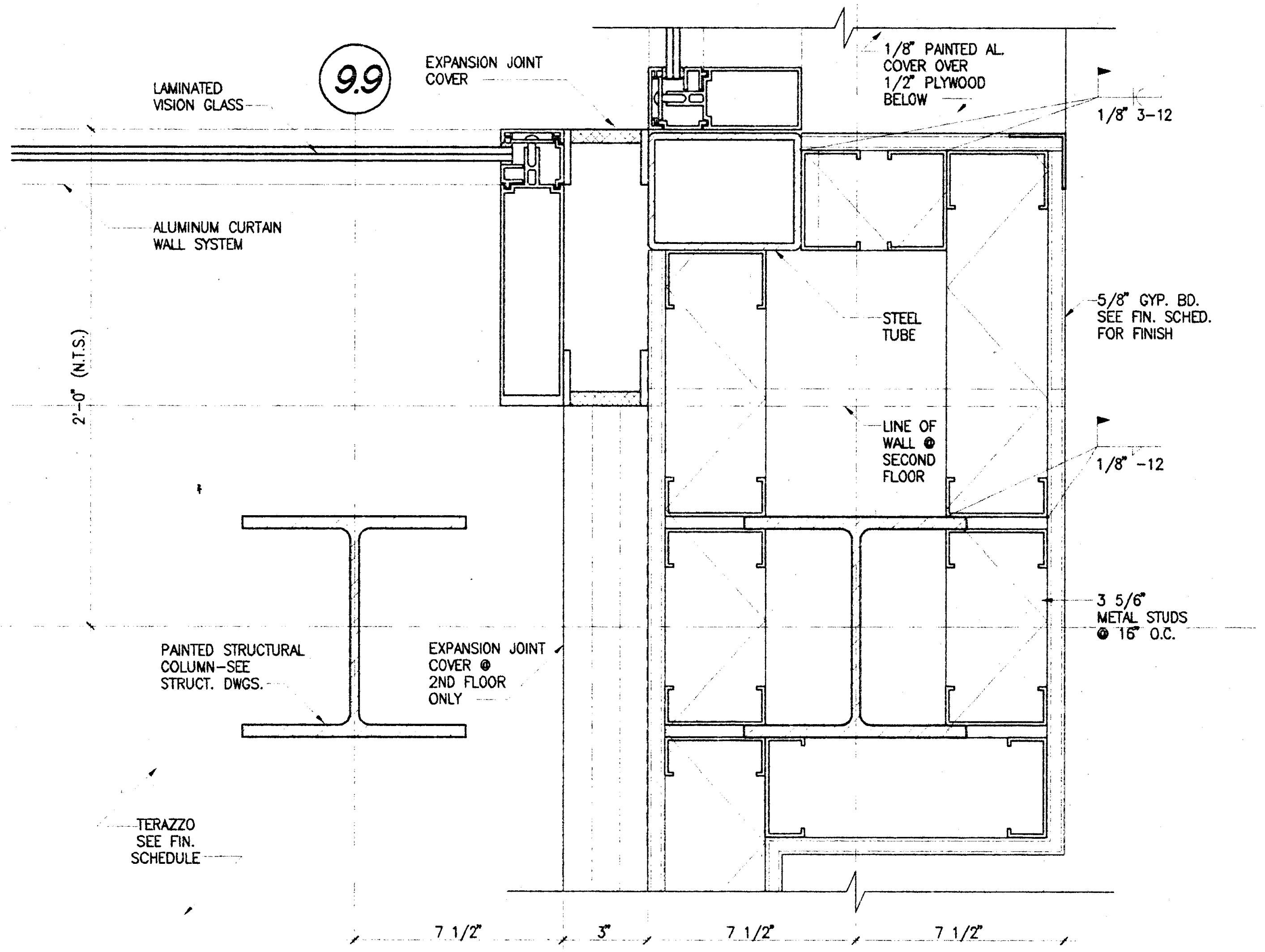
WINDOW WALL PLAN @ EXPANSION JOINT
3"=1'-0"
1
DE07036E
A2.1



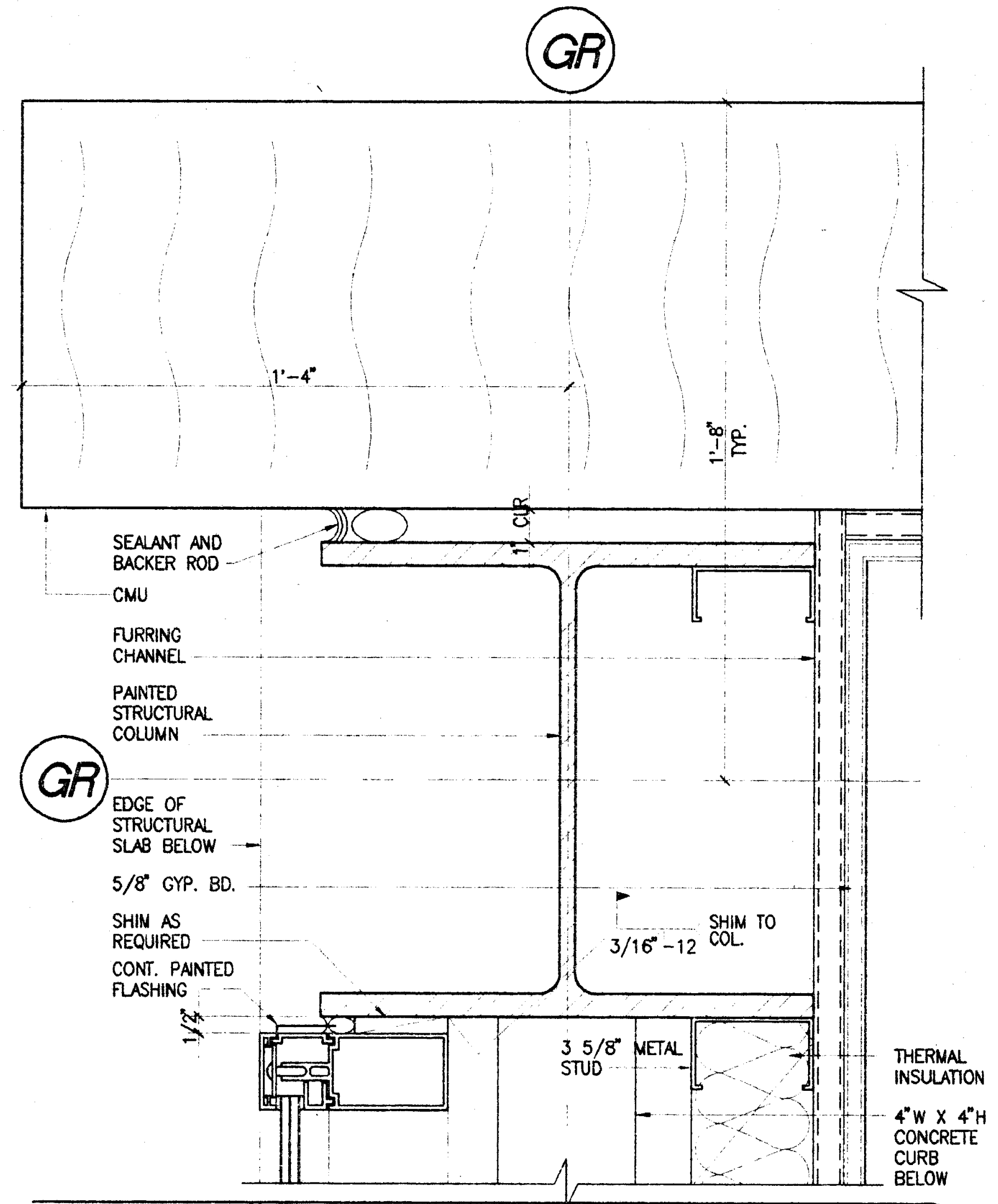
MARKER BOARD MOUNTING
3"=1'-0"
14
DE10079
A2.1



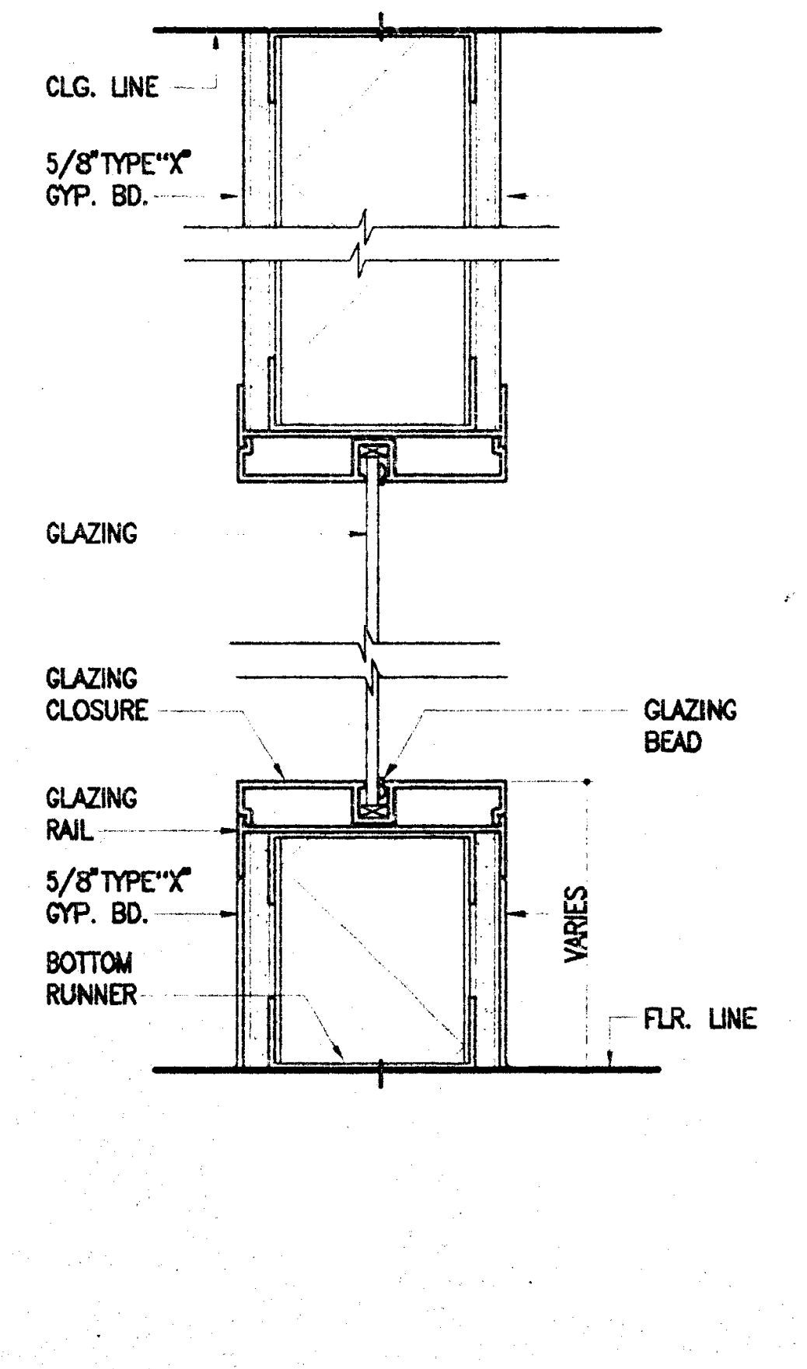
ELEVATOR SILL
3"=1'-0"
11
DE14001A
A2.5



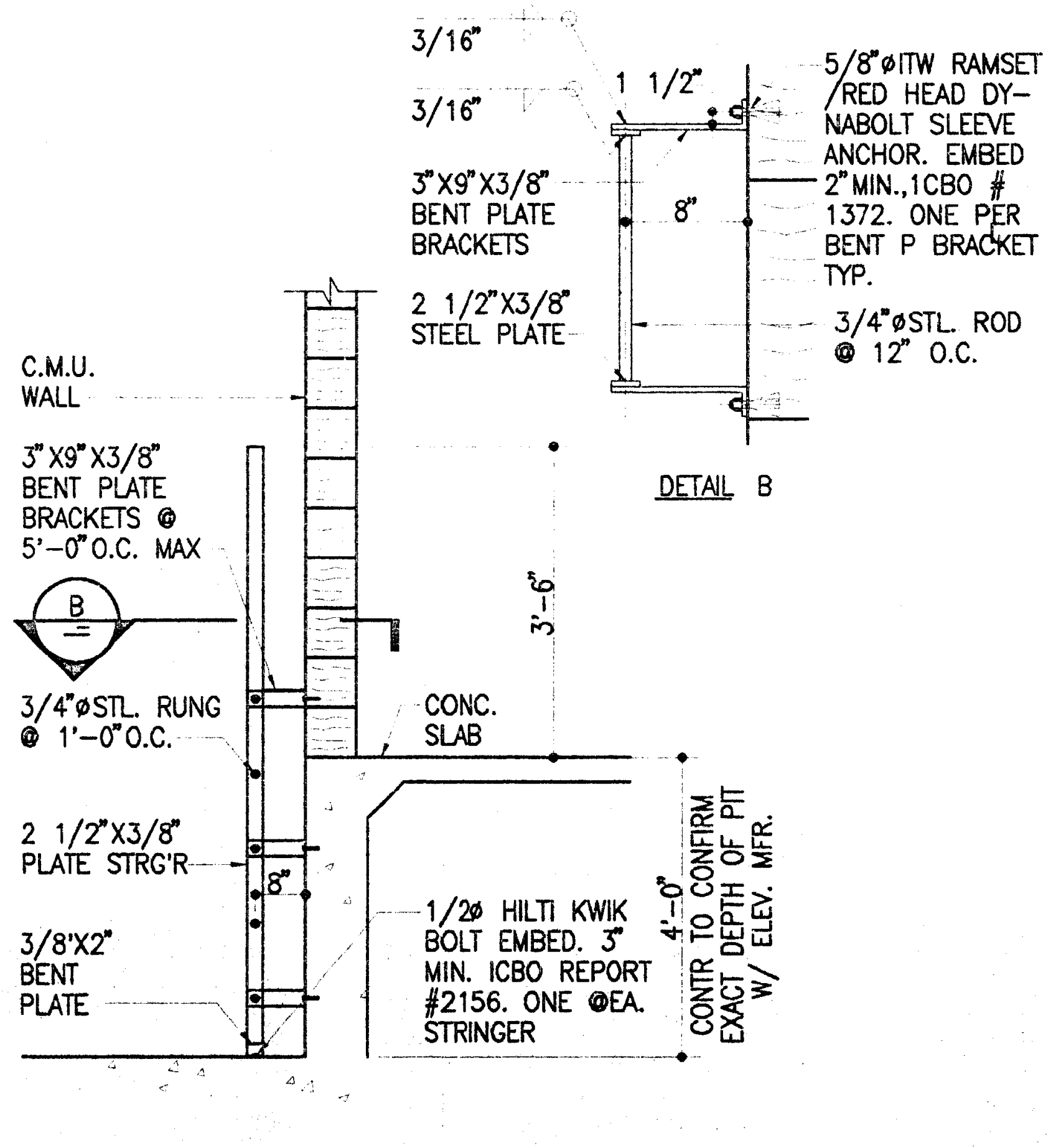
WINDOW WALL PLAN @ EXPANSION JOINT
3"=1'-0"
5
DE07036E
A2.1



WINDOW WALL @ COLUMNS
3"=1'-0"
2
DE08055
A2.1

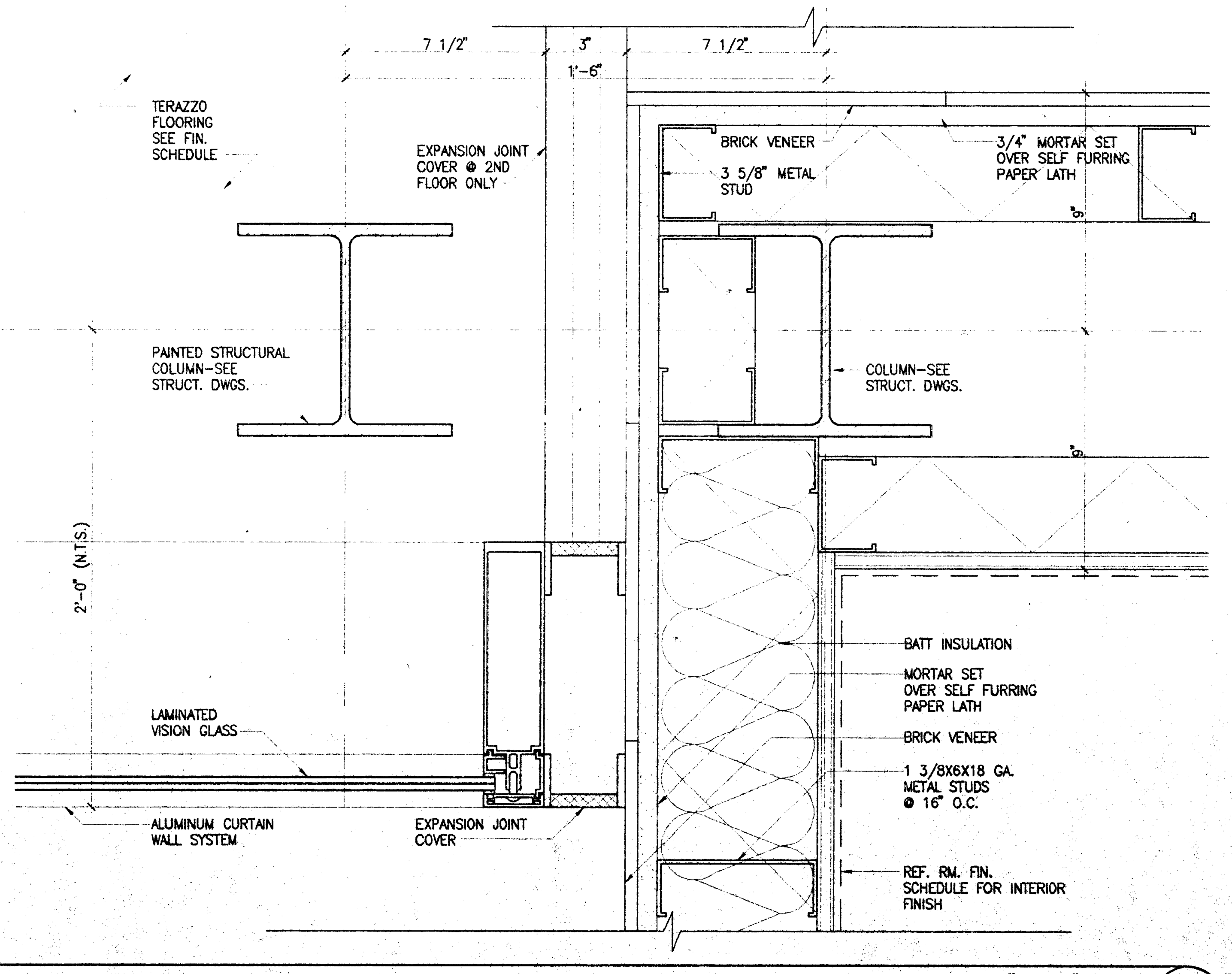


INTR. WINDOW PARTITION
3"=1'-0"
15
DE08010Z
A2.2/4

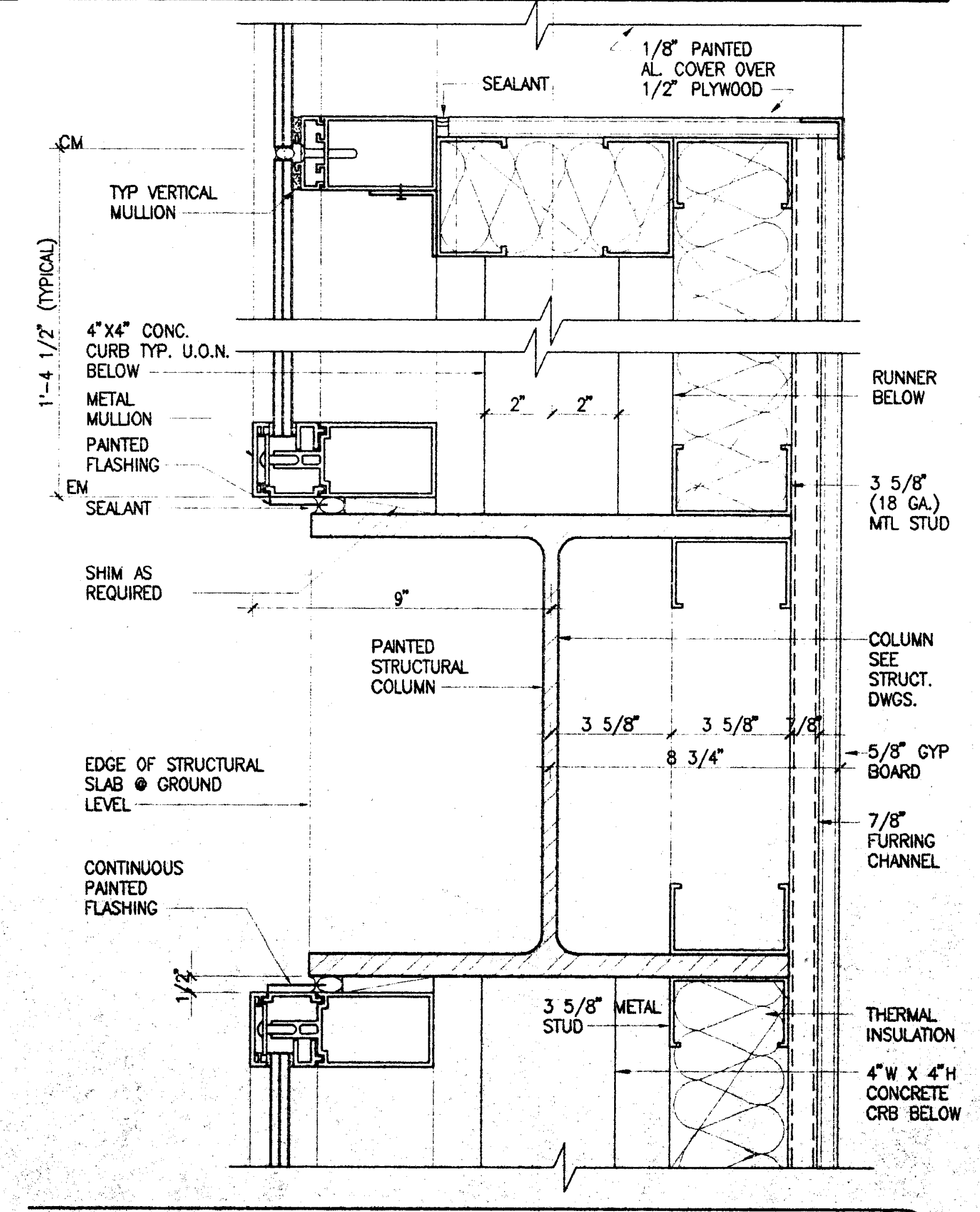


ALL EXPOSED STEEL SHALL BE SHOP PRIMED AND FIELD PAINTED PER SPECIFICATIONS.

ELEVATOR PIT LADDER
1/2"=1'-0"
12
DE10015F
A2.1



WINDOW WALL PLAN @ EXPANSION JOINT
3"=1'-0"
6
DE07036E
A2.1



WINDOW WALL @ COLUMN
3"=1'-0"
3
DE08055
A2.1

PLOT DATE: 03.17.98

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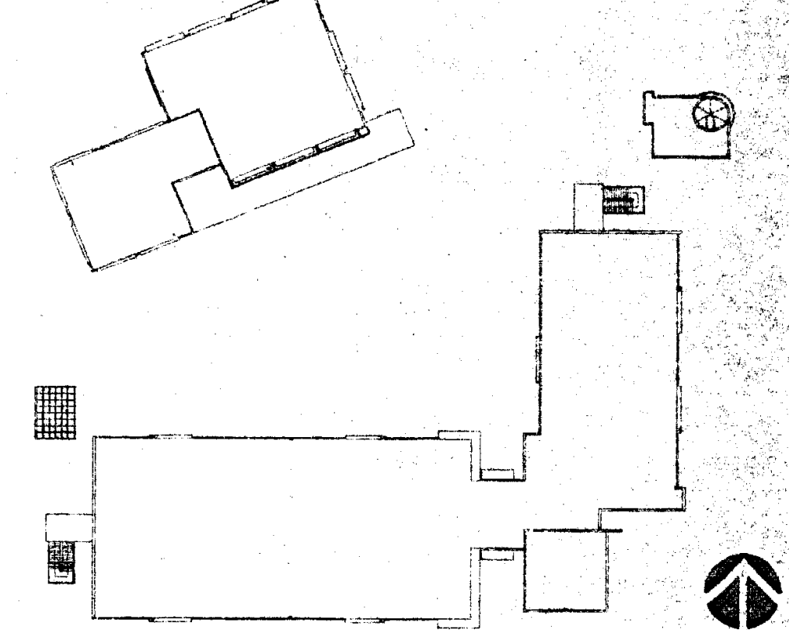
AC W FLS ___ SS 106 14
3.20.98

KEY PLAN



NO.	DATE	BY	REVISION

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HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
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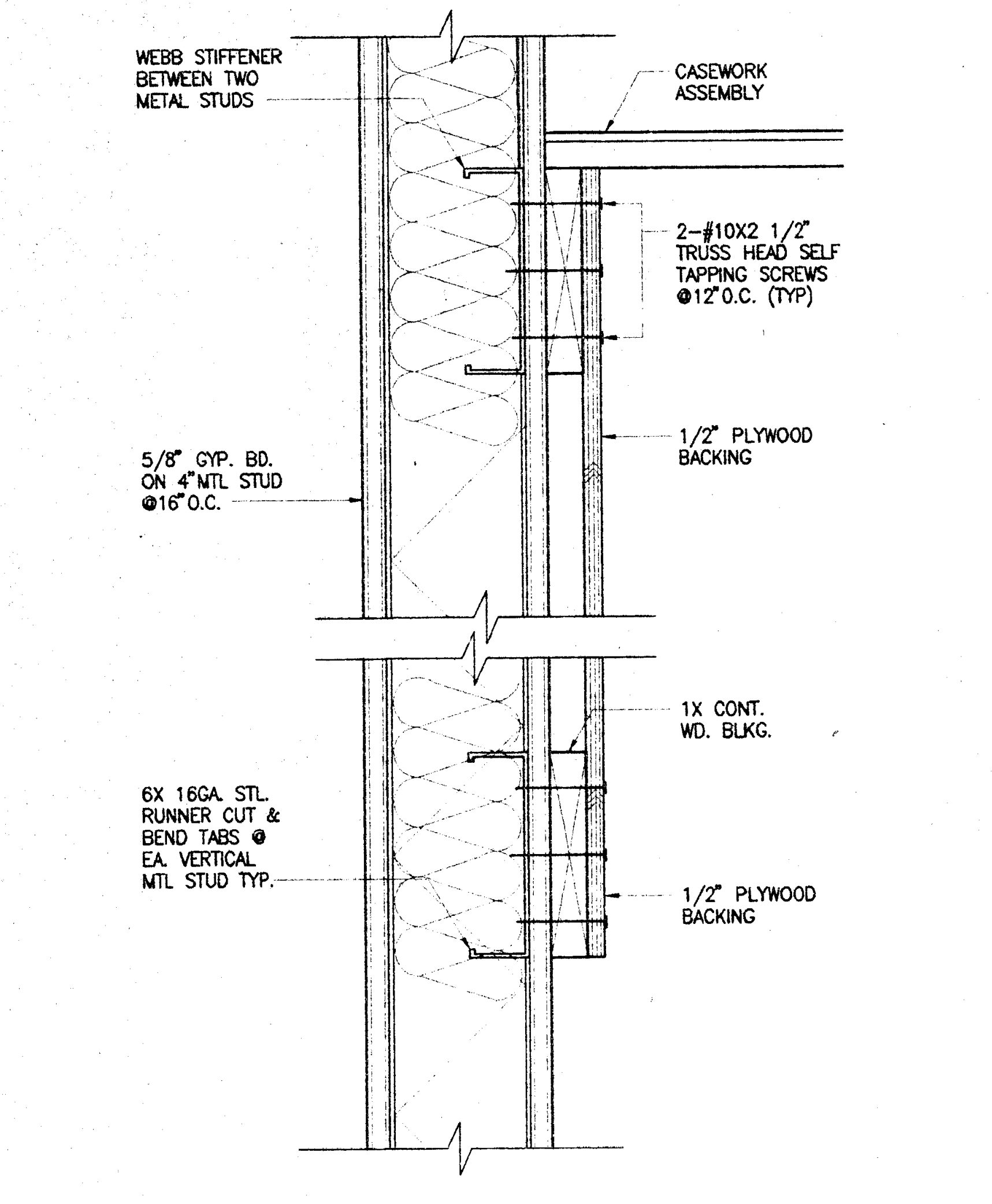
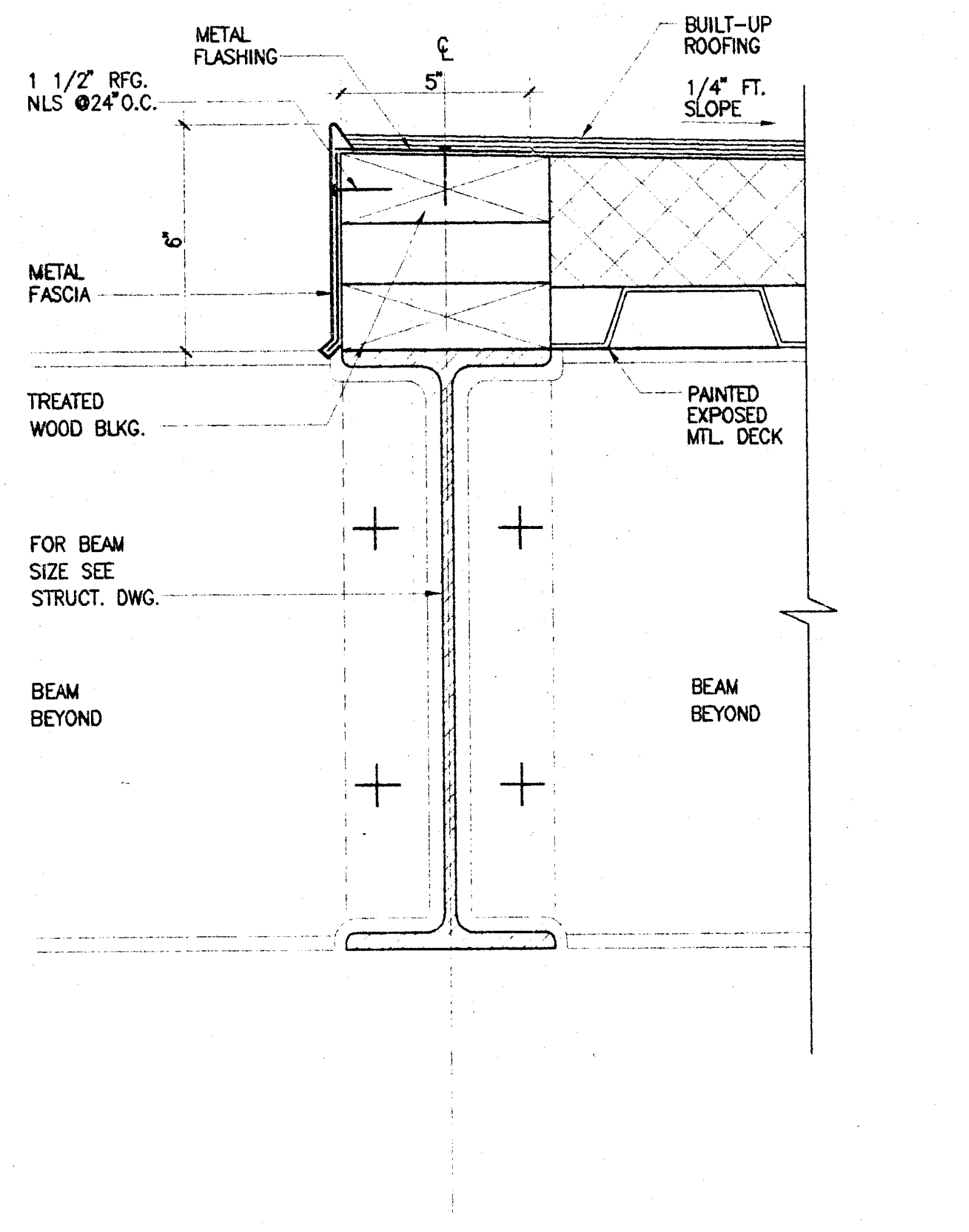
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
BUILDING
ENVELOPE
DETAILS

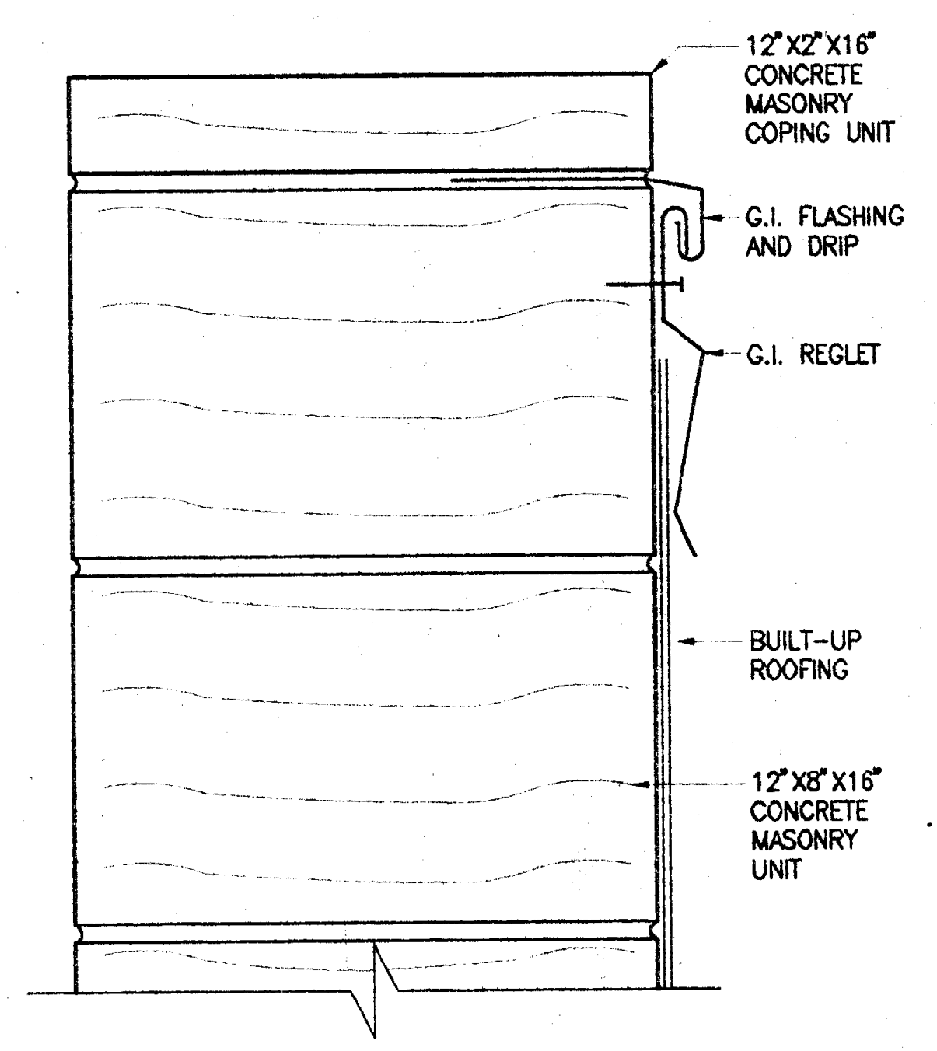
FILE: CMA7-03
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 03.06.98
SHEET NO.
A7.3
OF ___ SHEETS



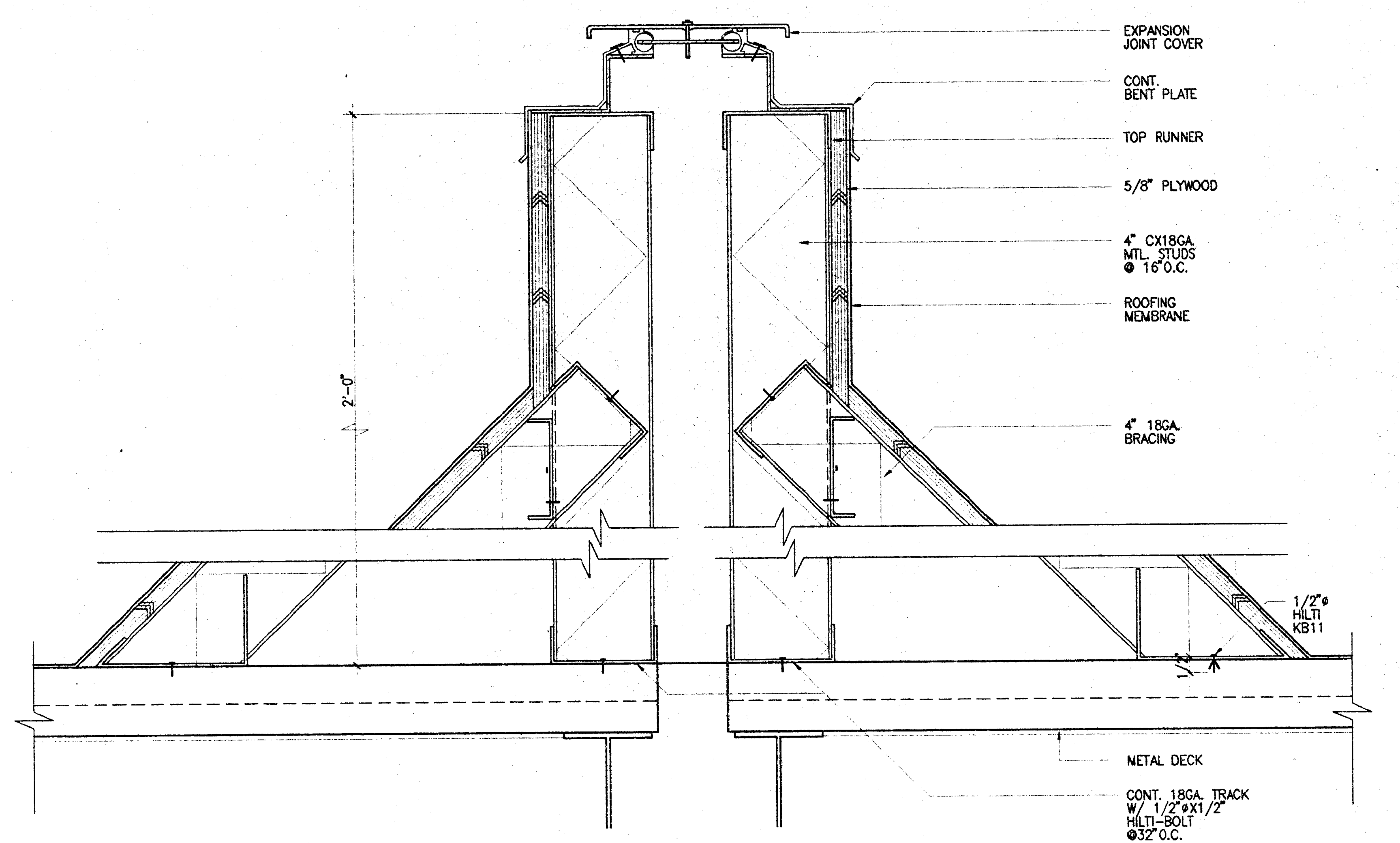
WALL CABINET MOUNTING DETAL
3"=1'-0" 13
DE10051C –



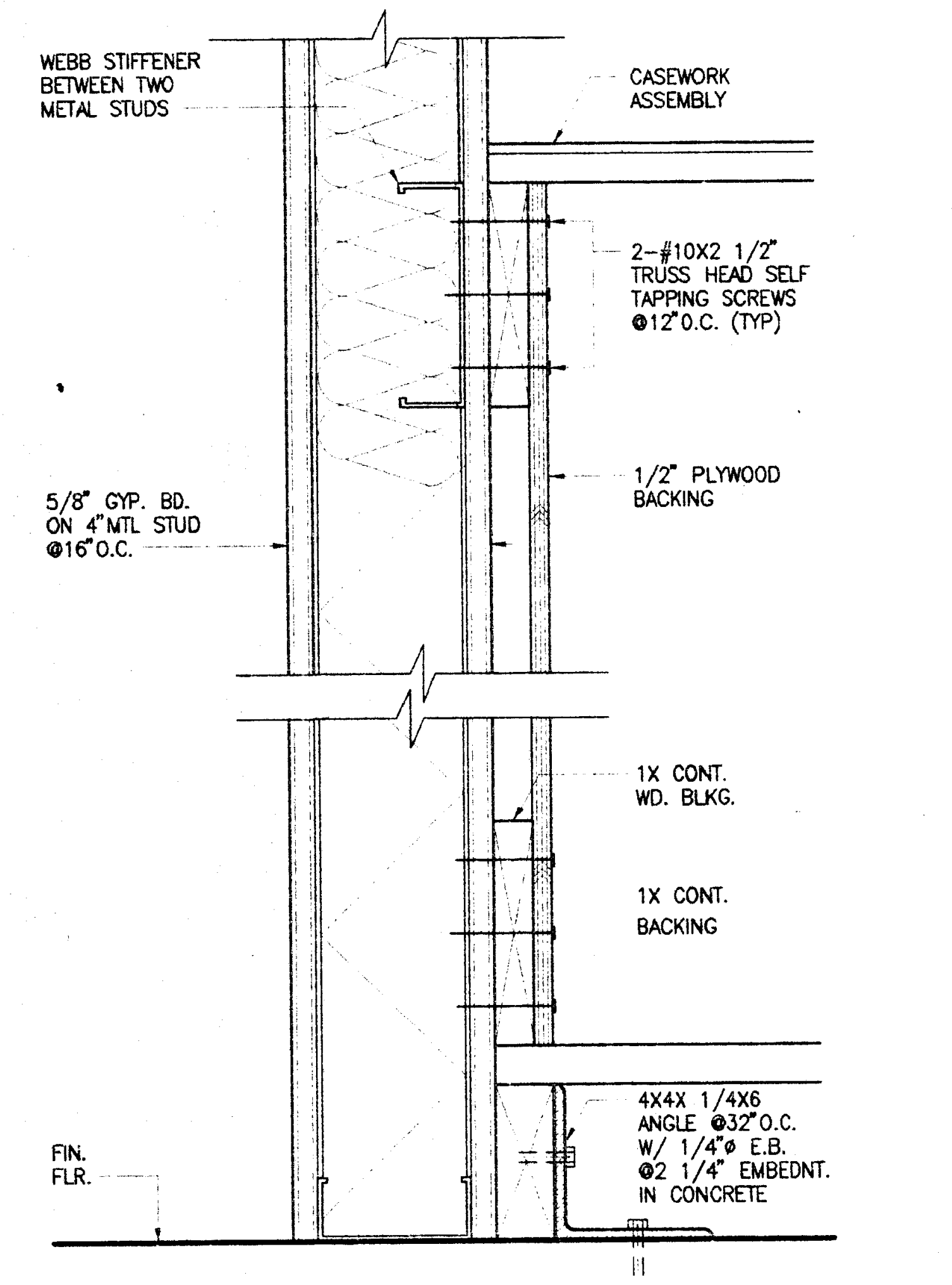
FASCIA • CANOPY
3"=1'-0" 10
DE080057J A2.4



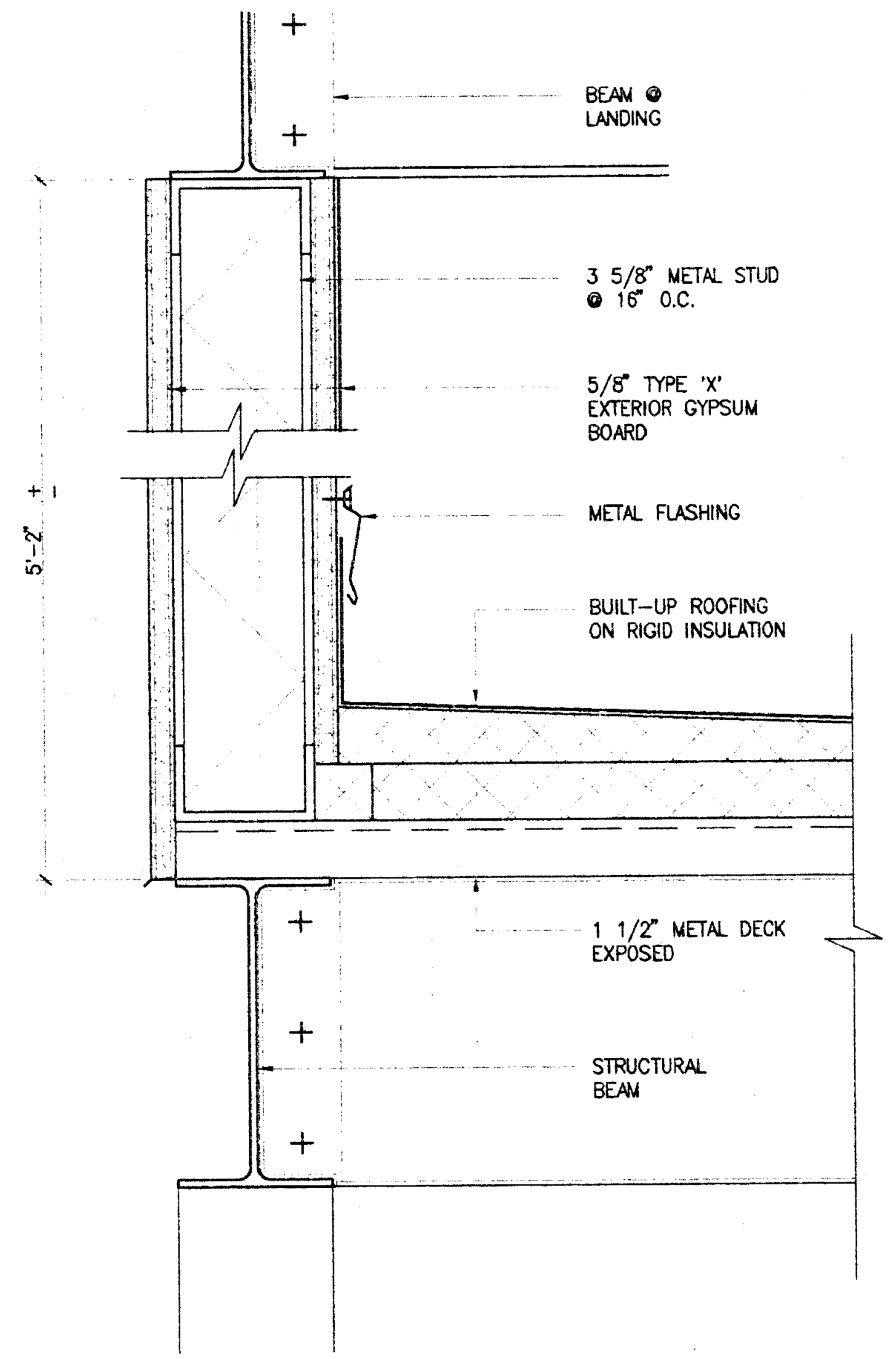
COPING • CMU WALL
3"=1'-0" 7
DE07023B A2.3



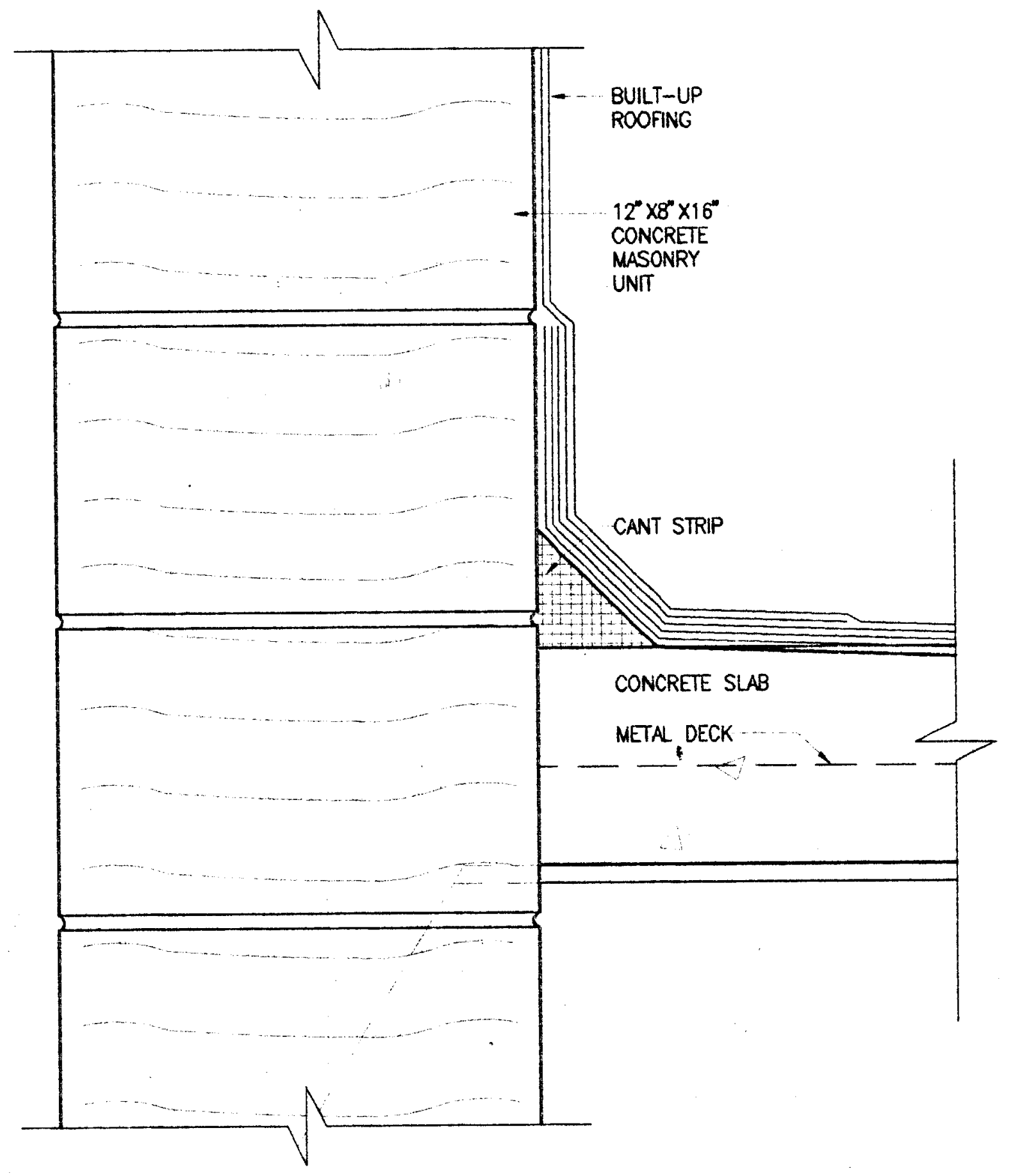
EXPANSION JOINT • ROOF
3"=1'-0" 1
DE07034 A2.3



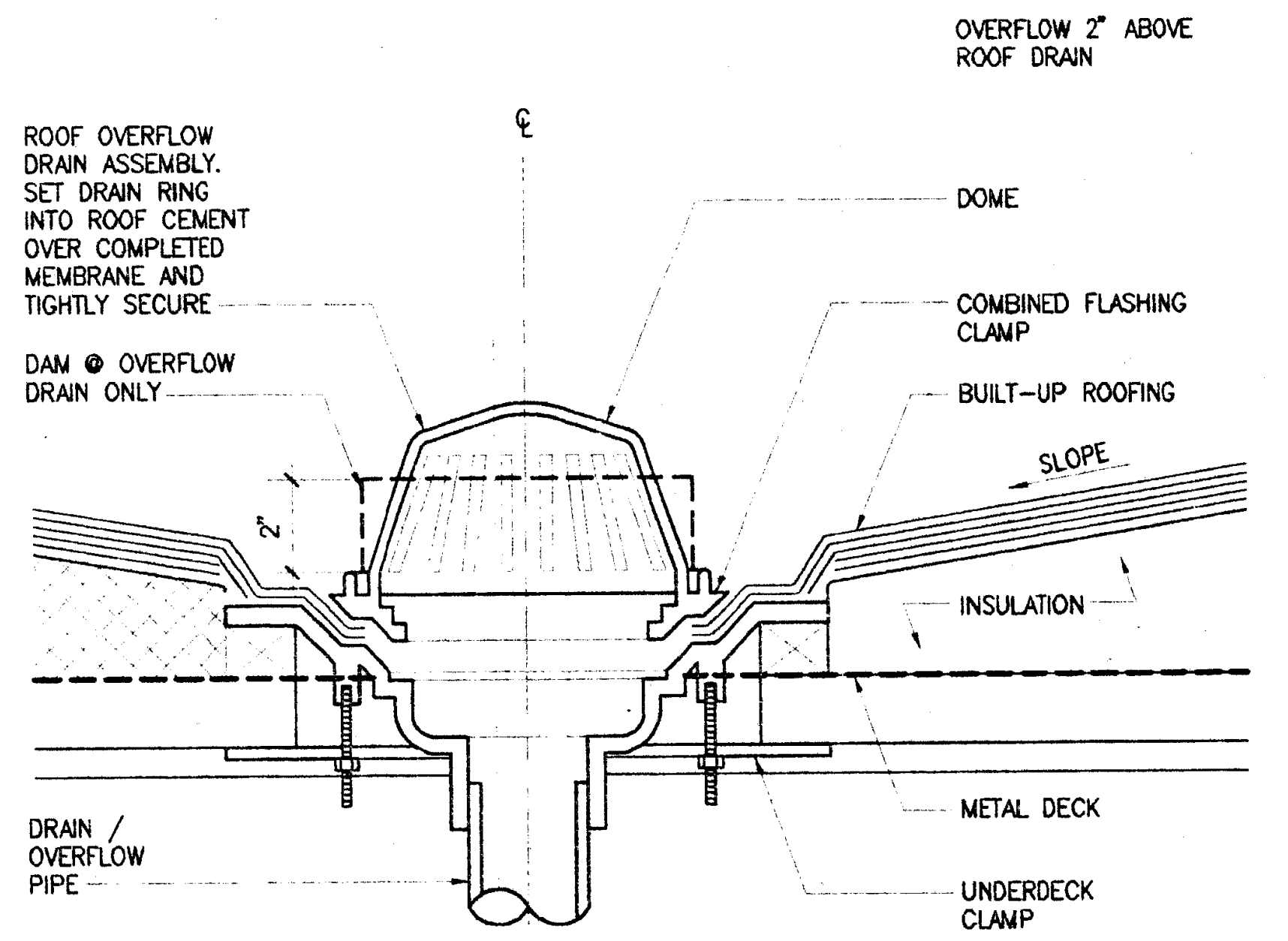
BASE CABINET MOUNTING DETAL
3"=1'-0" 14
DE10051A –



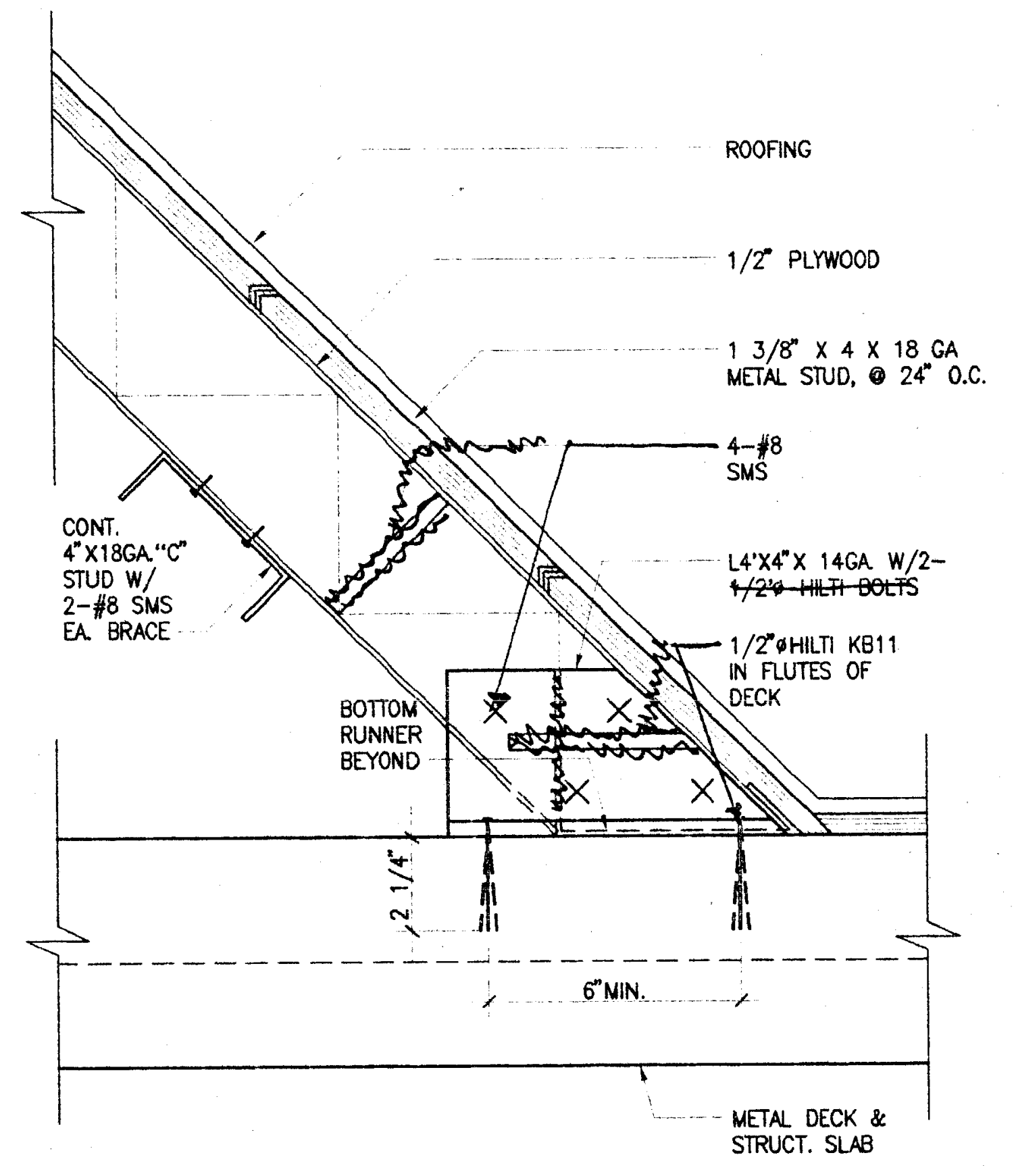
CANOPY TO THE OBSERVATORY
3"=1'-0" 11
DE07046 –



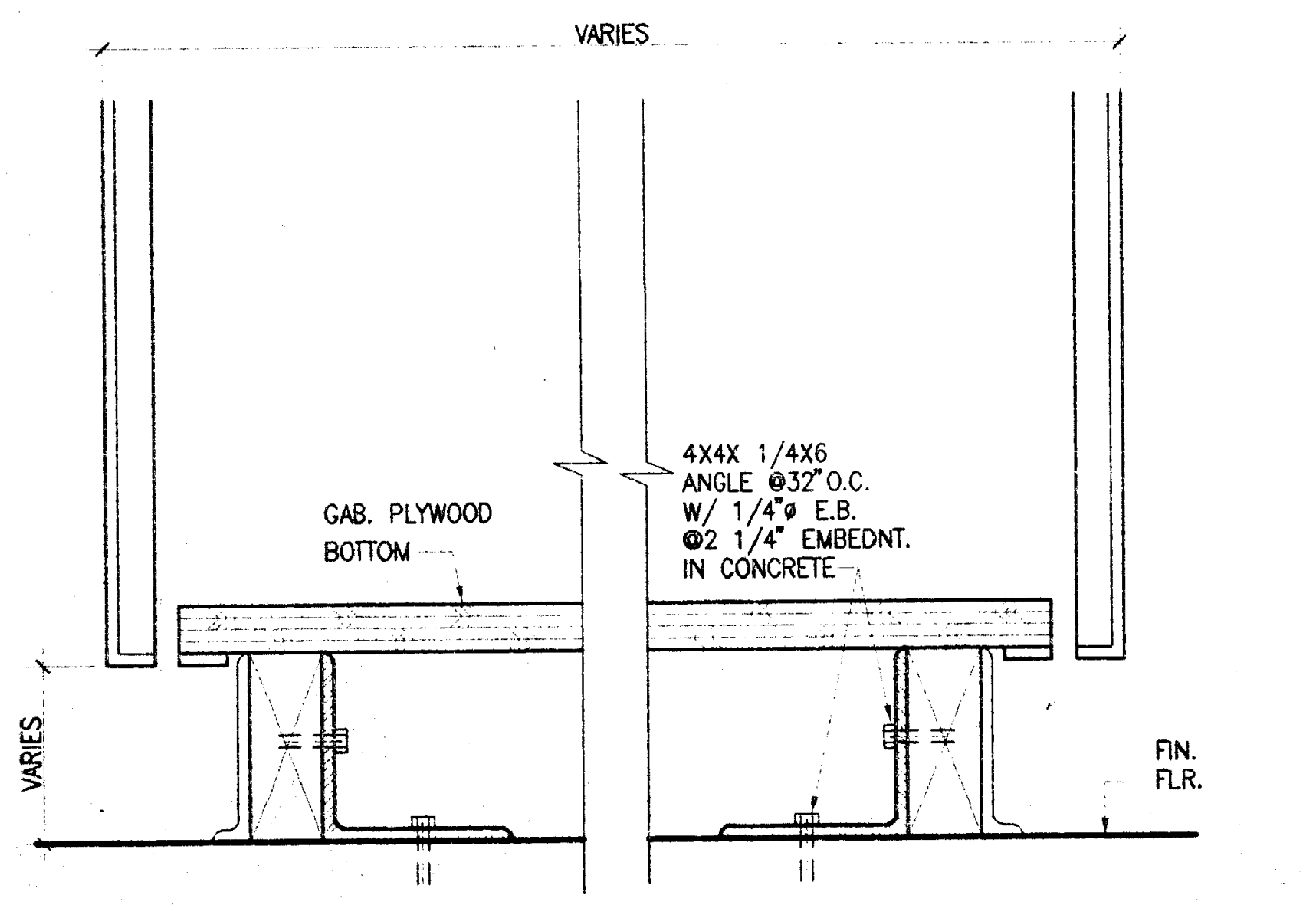
WATER PROOFING• CMU PARAPET WALL
3"=1'-0" 8
DE07031B A2.3



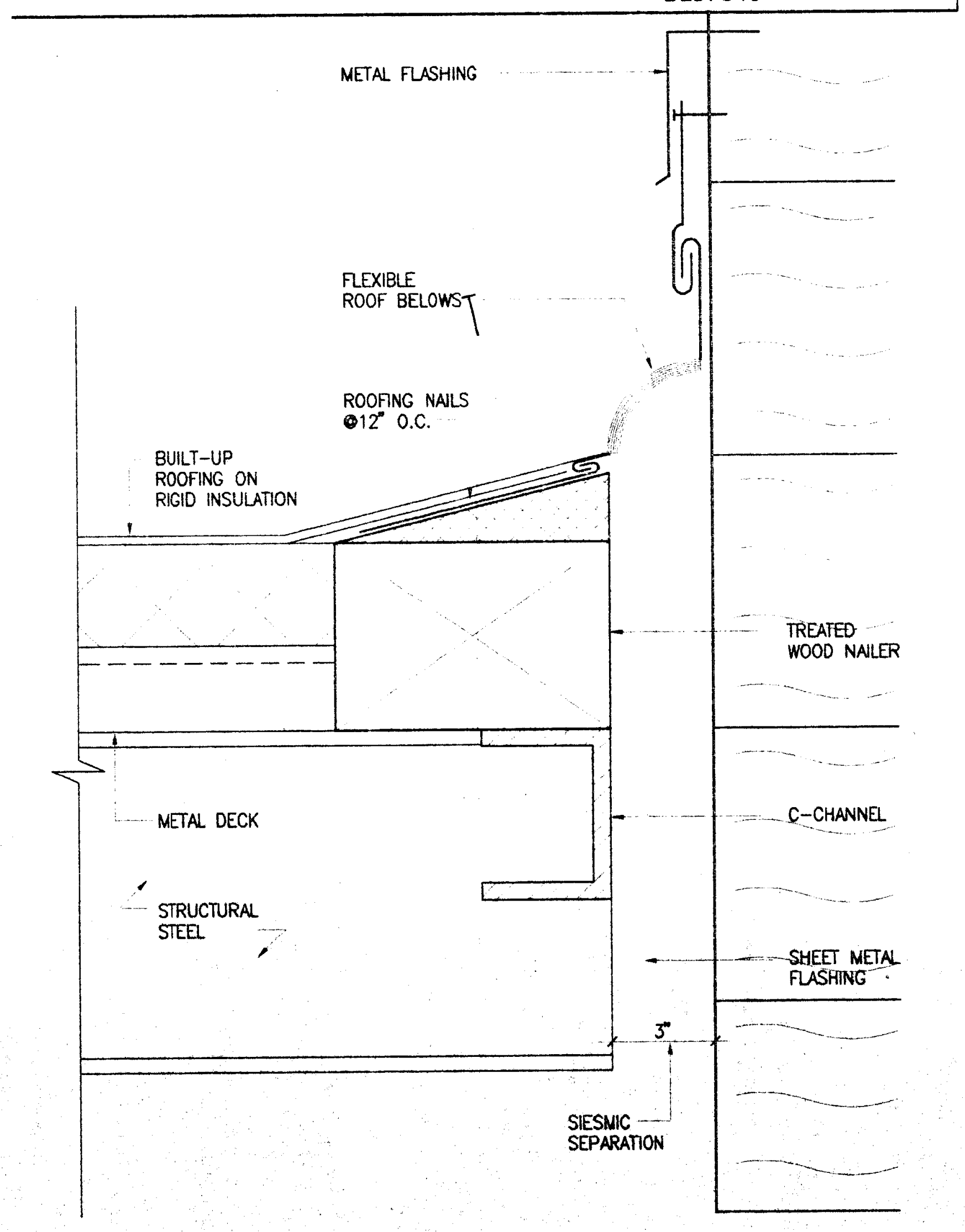
ROOF / OVERFLOW DRAIN
3"=1'-0" 5
DE07008D A2.3



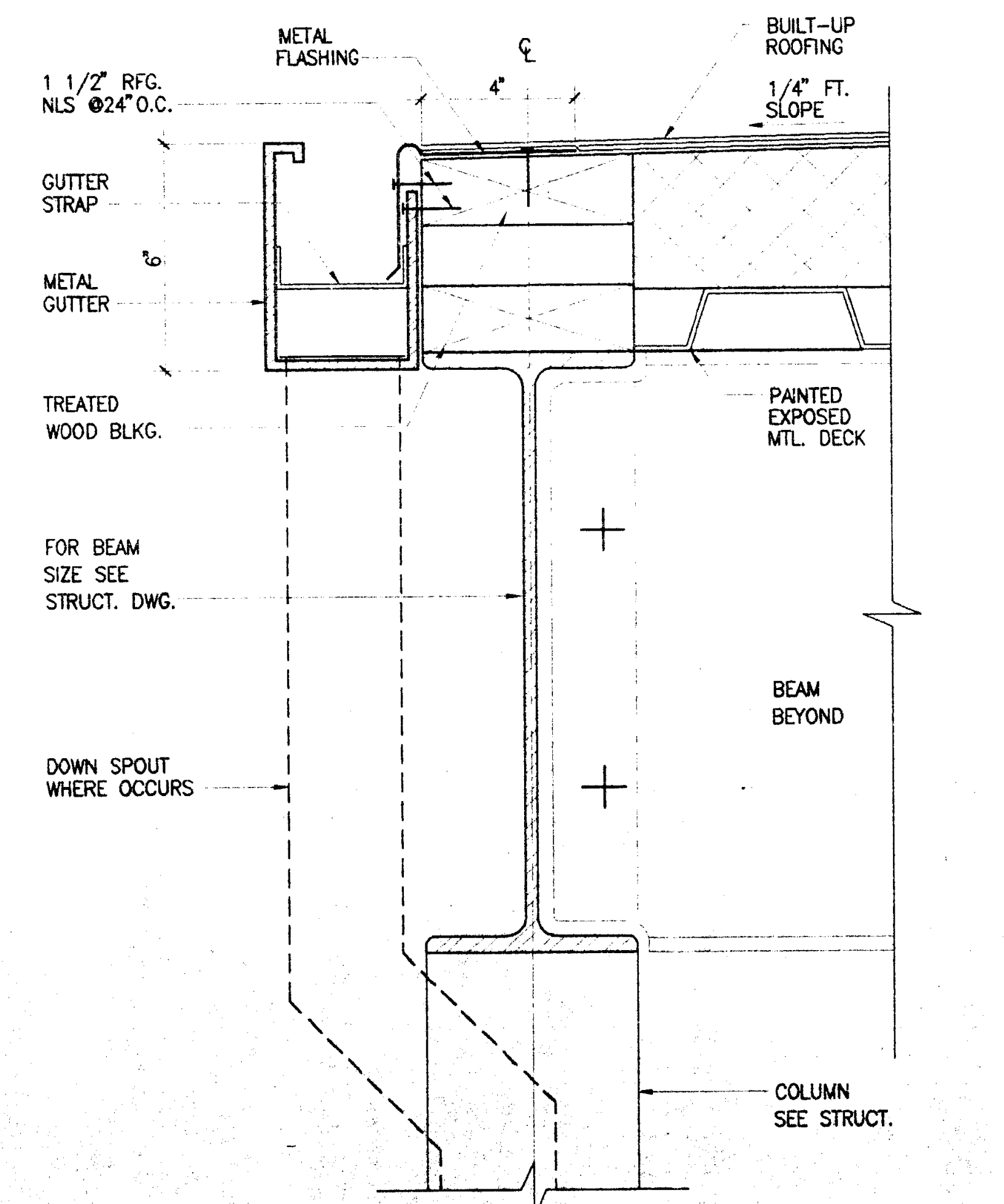
PARAPET BRACING
3"=1'-0" 2
DE07031 A2.3



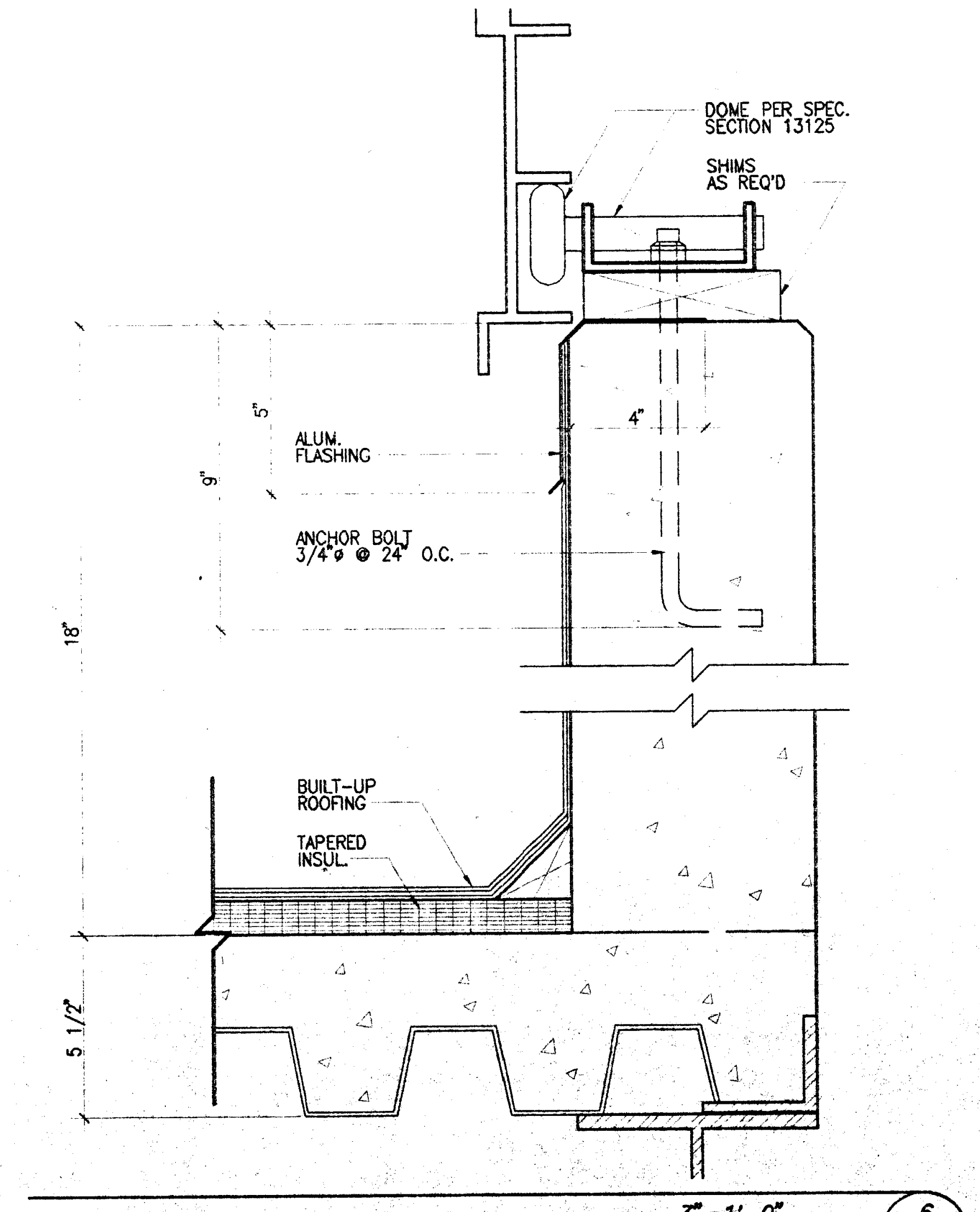
FREE STANDING BASE CABINET
3"=1'-0" 15
DE10051B –



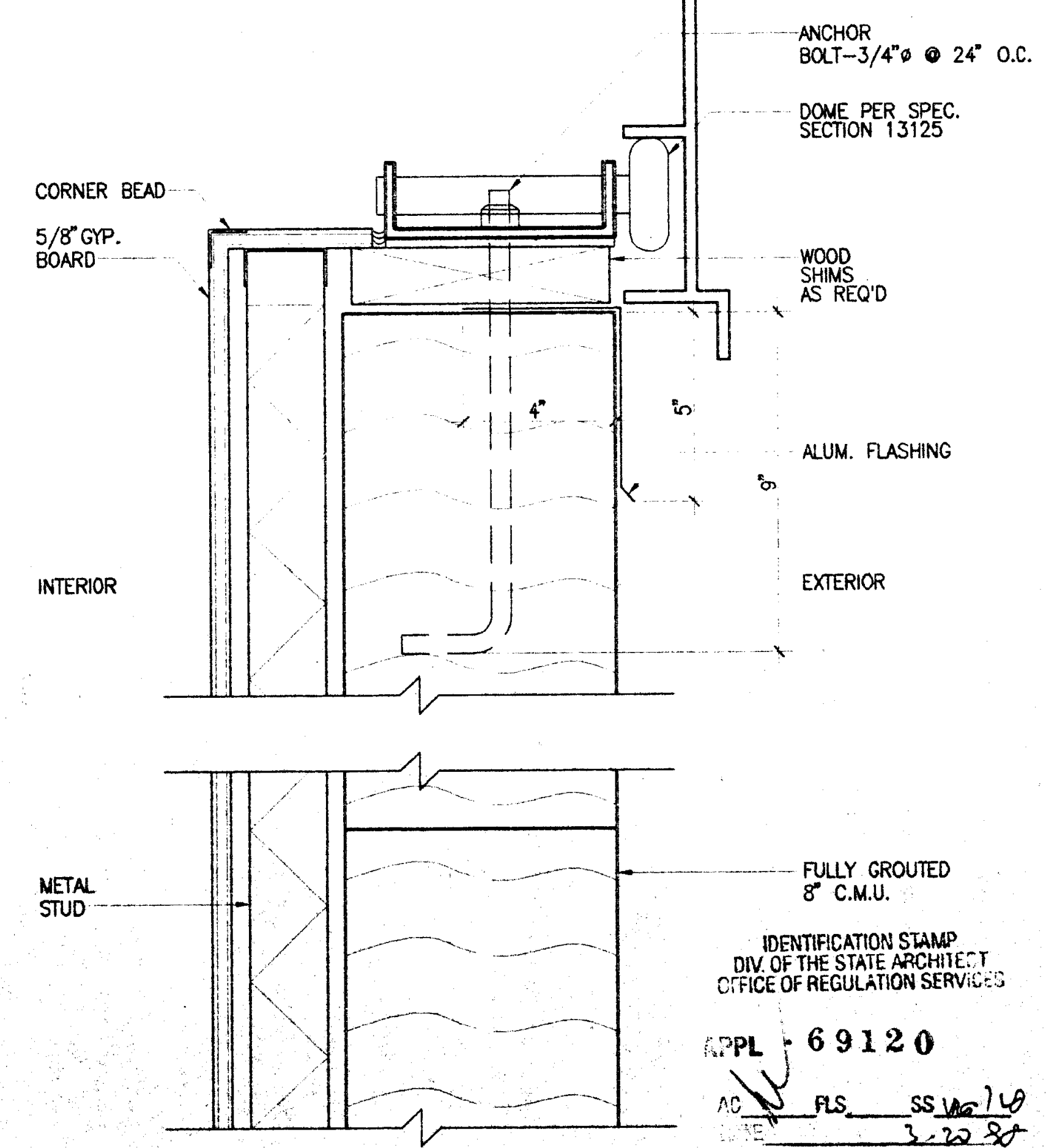
OBSERVATORY CANOPY FLASHING
3"=1'-0" 12
DE07035C –



GUTTER • COVERED WALKWAY
3"=1'-0" 9
DE08057I A2.6



COPING • OBSERVATORY DOME
3"=1'-0" 6
DE07035A A2.8



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OFFICE OF REGULATION SERVICES
APPL - 69120
AC ___ FLS ___ SS ___
DATE 3-20-98

COPING • OBSERVATORY DOME
3"=1'-0" 3
DE07035B A2.8

PLOT DATE: 03.17.98

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APPROVED	JGM

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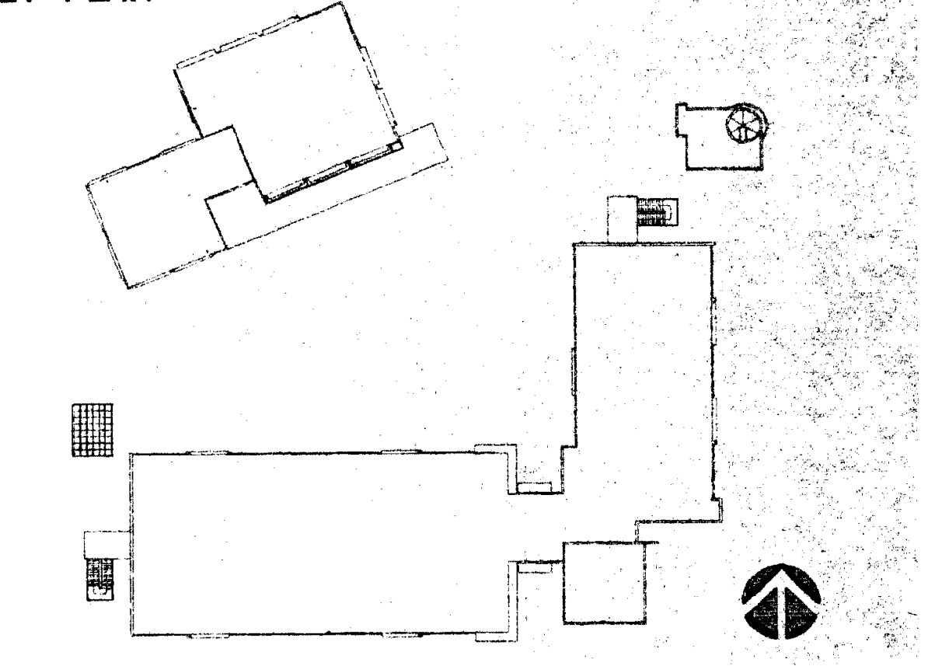
LICENSED ARCHITECT
MORRIS P. POINDEXTER
C-13900
3-31-99
RENEWAL DATE
STATE OF CALIFORNIA

GENERAL NOTES:

KEY PLAN



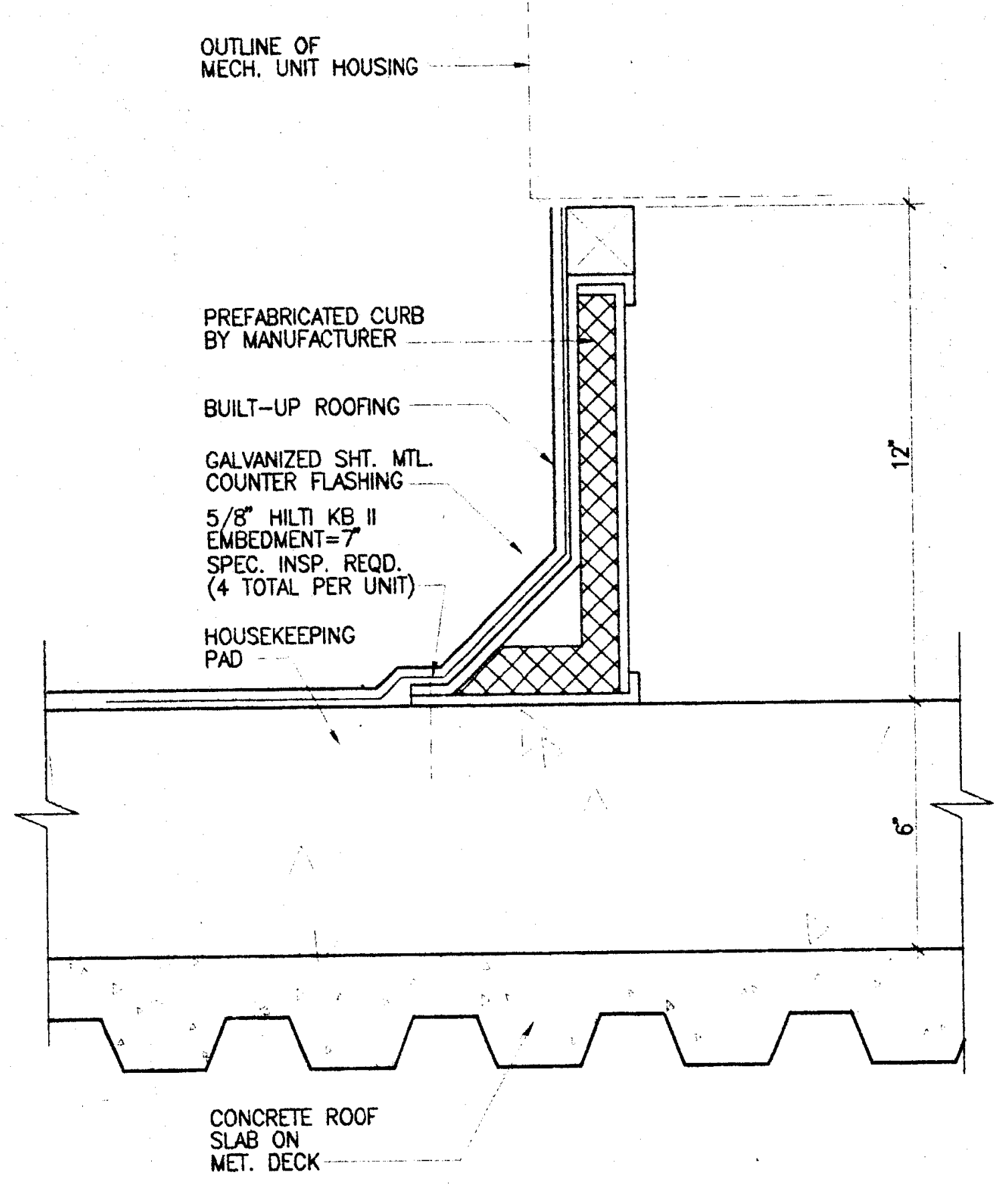
NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

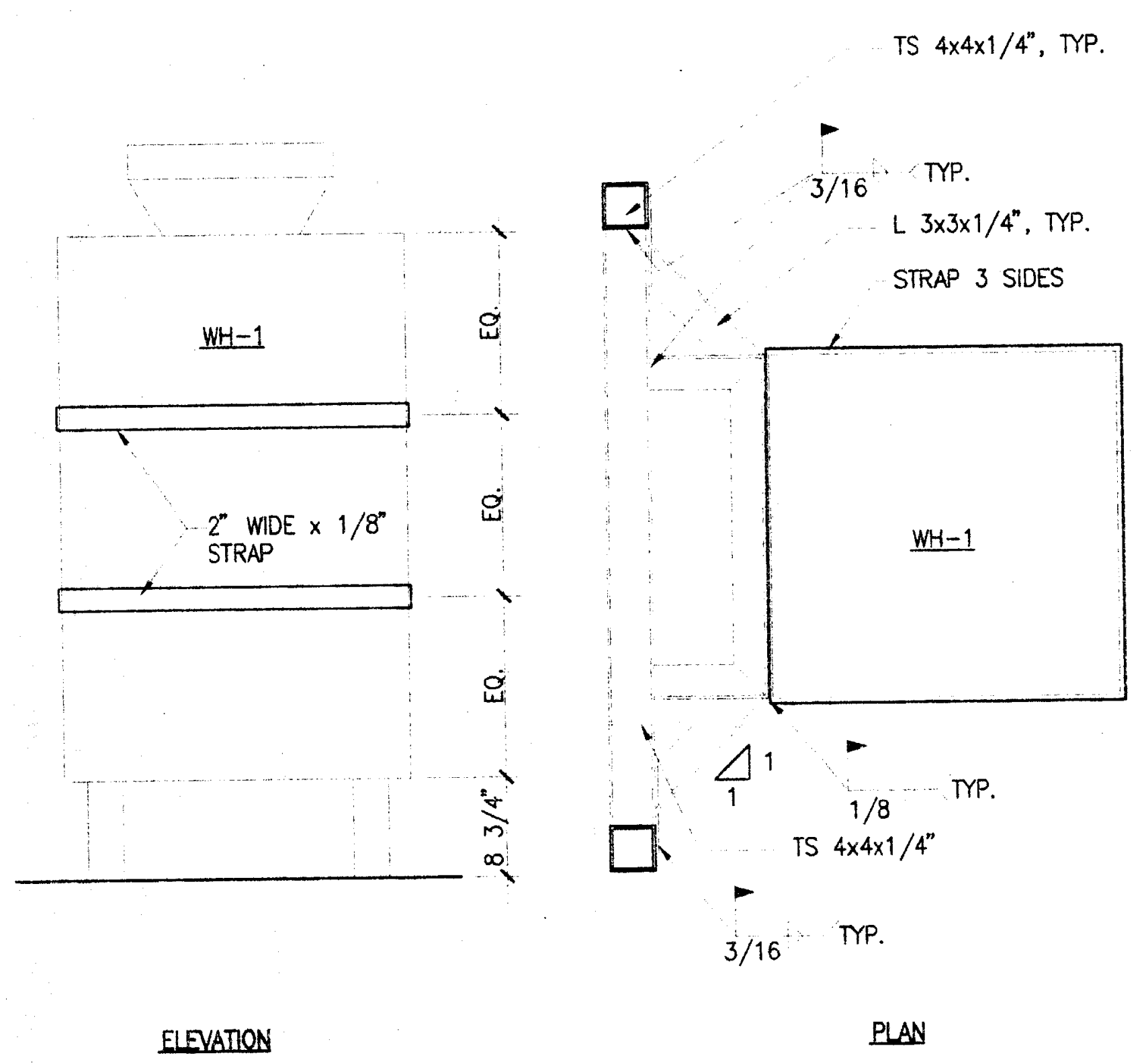
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
ROOF
DETAILS

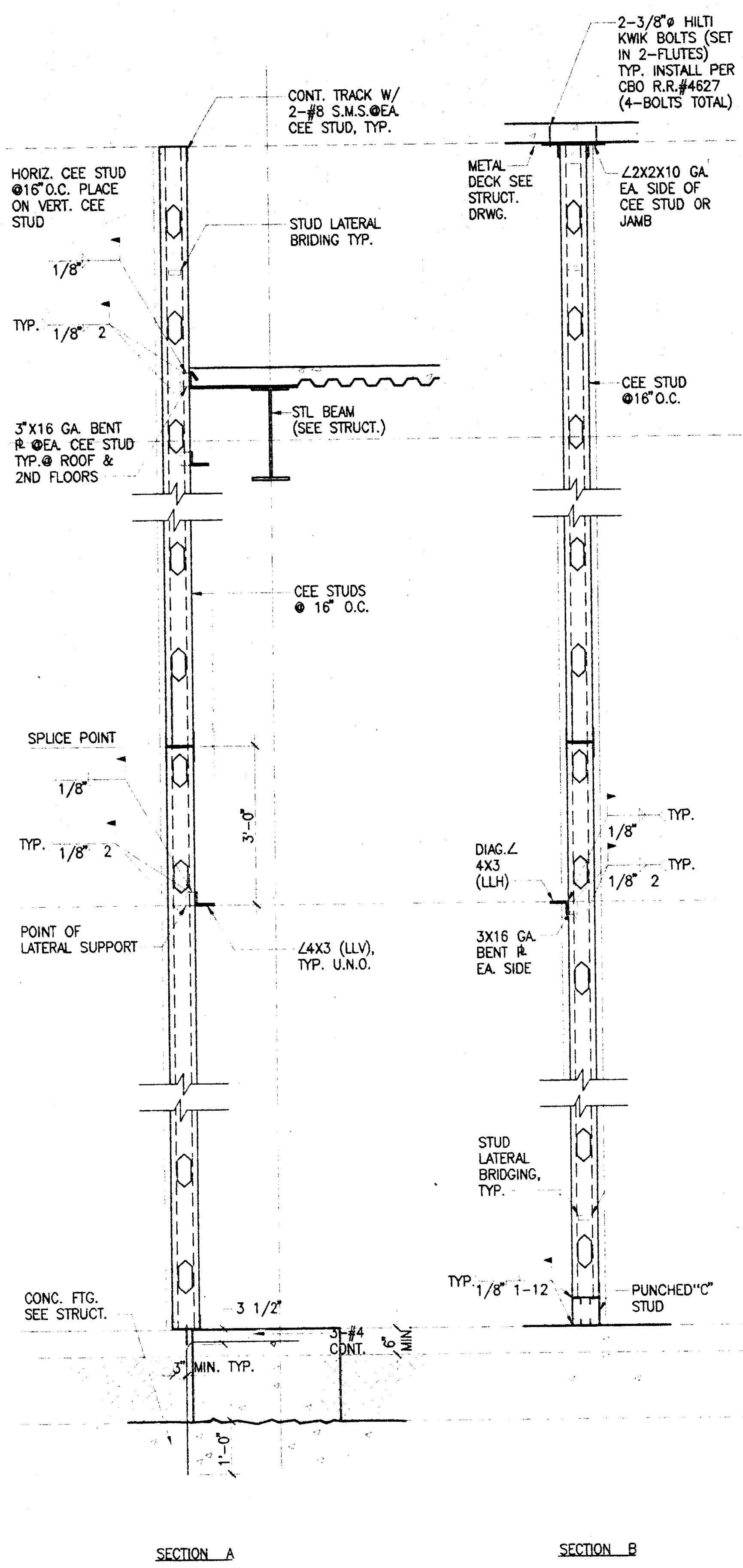
FILE:	CMA7-04	SHEET NO.
SCALE	1/8"=1'-0"	A7.4
JOB NO.	JGM	
DATE	03.06.98	OF ____ SHEETS



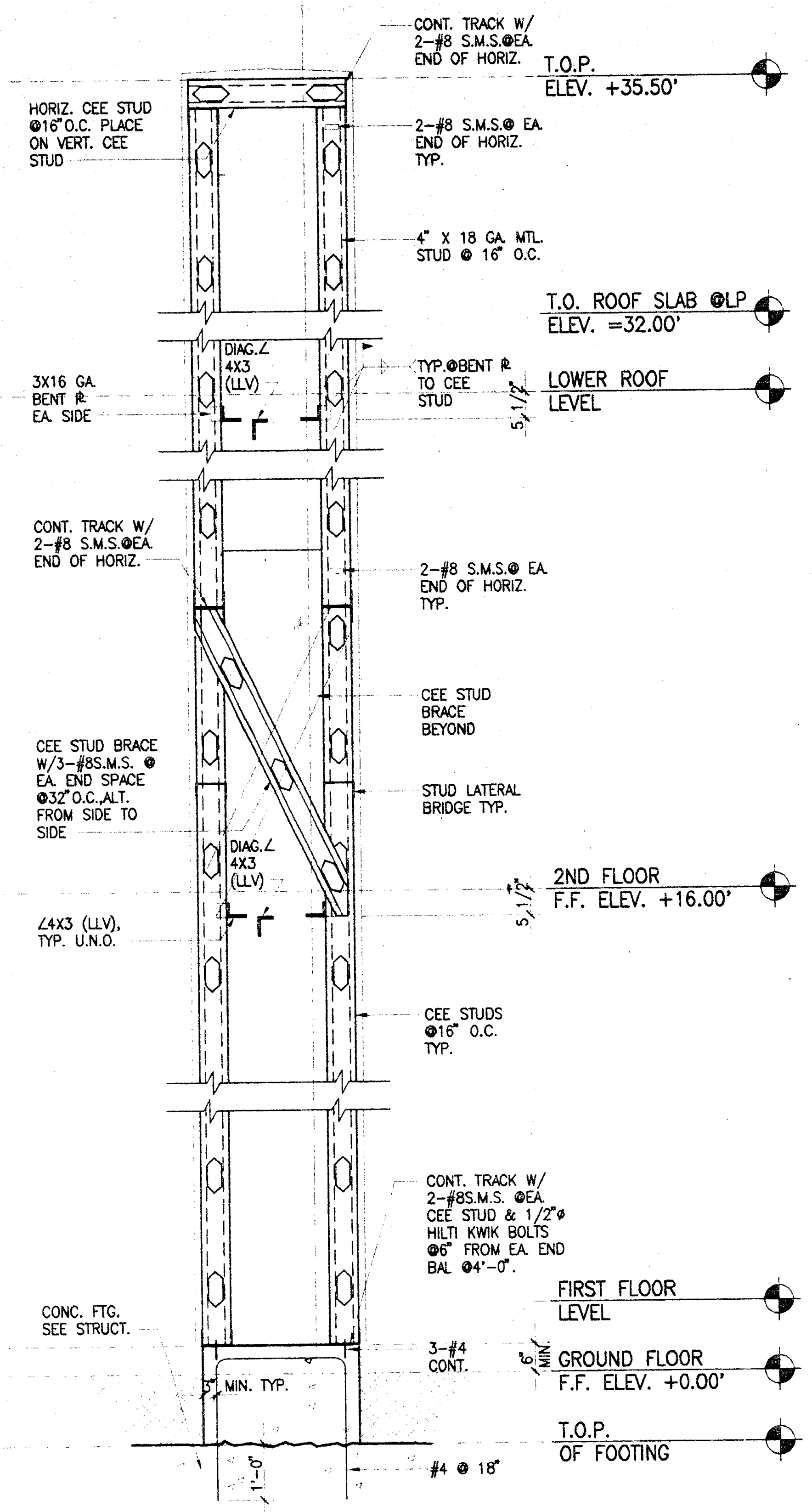
CURB DTL.-MECH. AIR HANDLER @ ROOF 3"=1'-0" 13 DE07034B A2.4



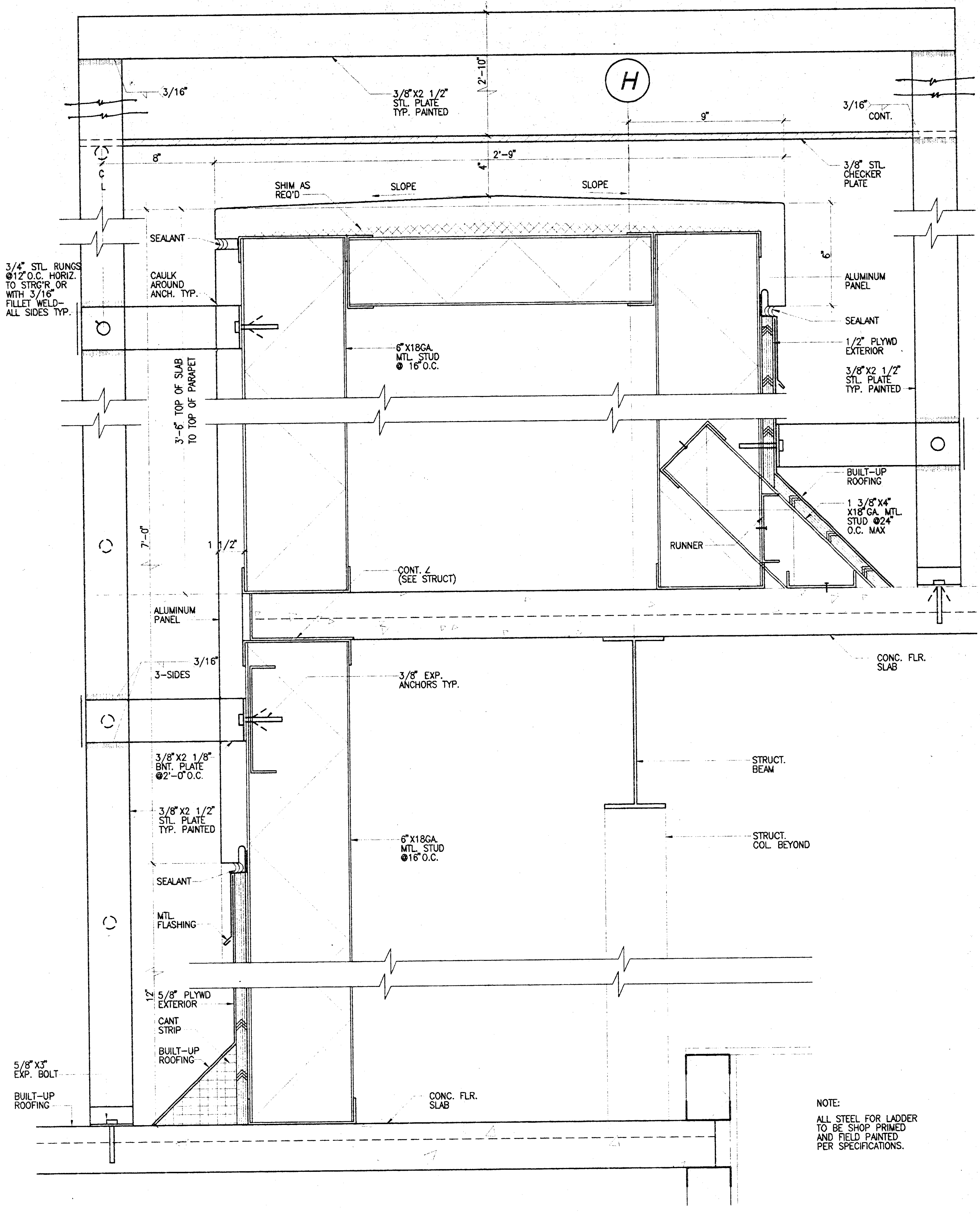
HOT WATER RESTRAINT DETAIL 3/4"=1'-0" 14 DE07034D P0.1



NOT USED "=1'-0" 11 – ##

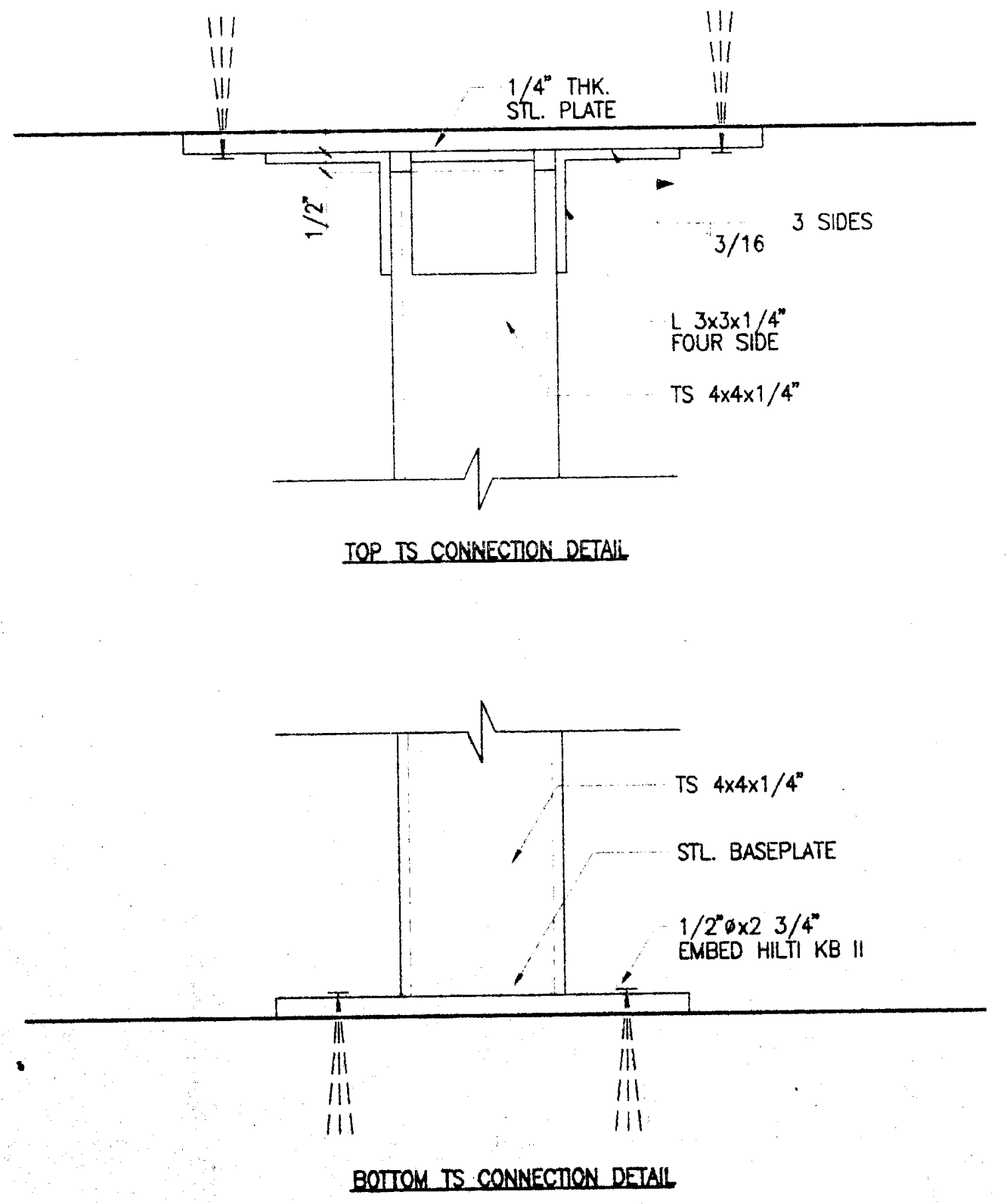


SECTION THRU "=1'-0" 8 – ##

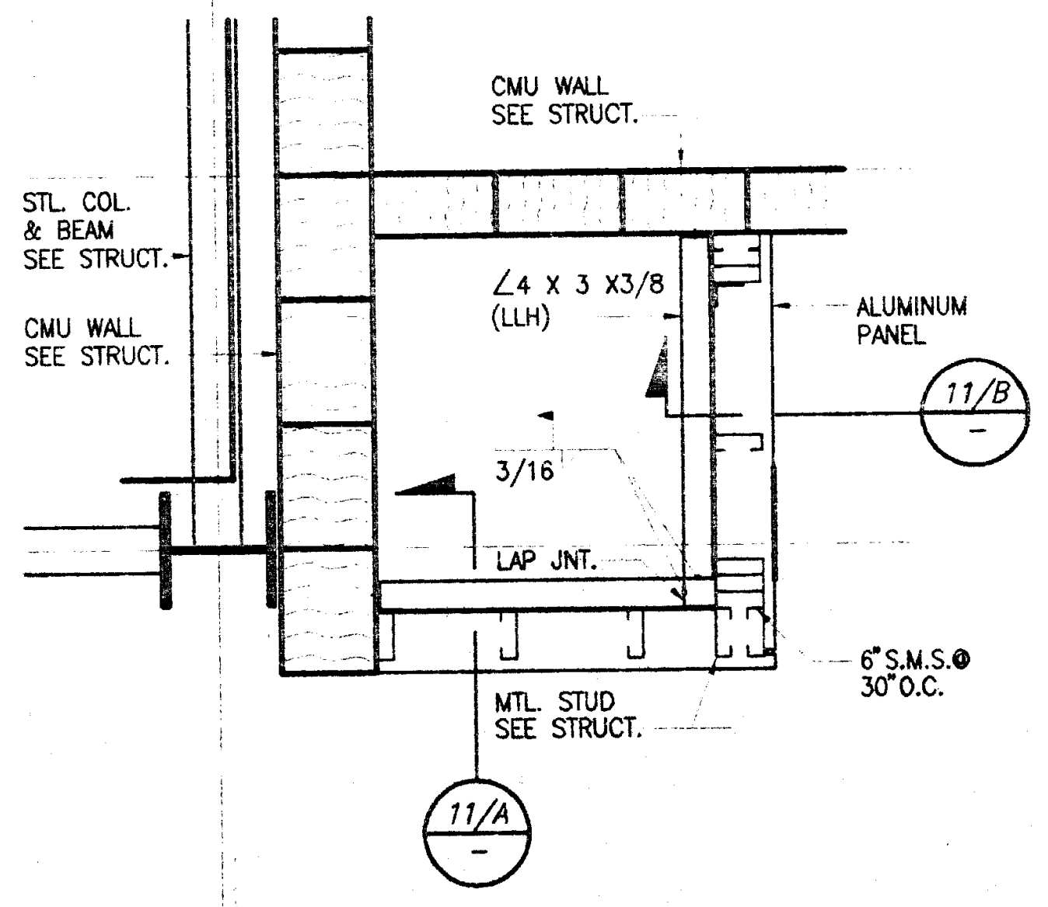


NOTE:
ALL STEEL FOR LADDER TO BE SHOP PRIMED AND FIELD PAINTED PER SPECIFICATIONS.

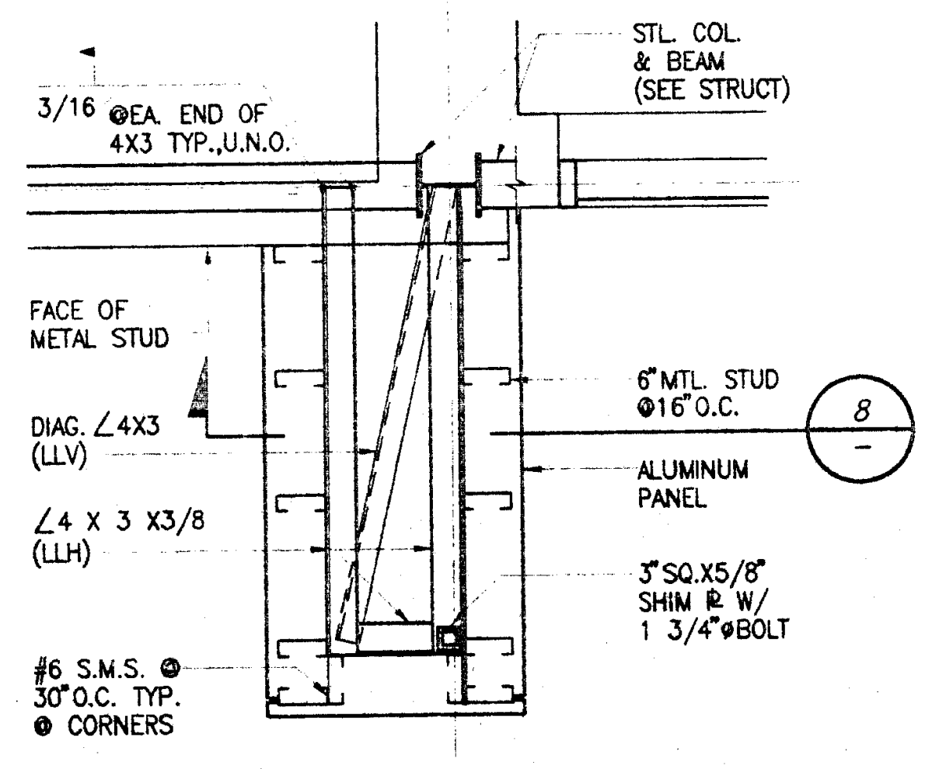
ROOF DETAIL 3"=1'-0" 2 DE07034A A2.3



TS SUPPORT - WATER HEATER 3"=1'-0" 15 DE07034C A7.4B



PARTIAL PLAN @ 2ND FLOOR 1/2"=1'-0" 12 DE09073 A2.2



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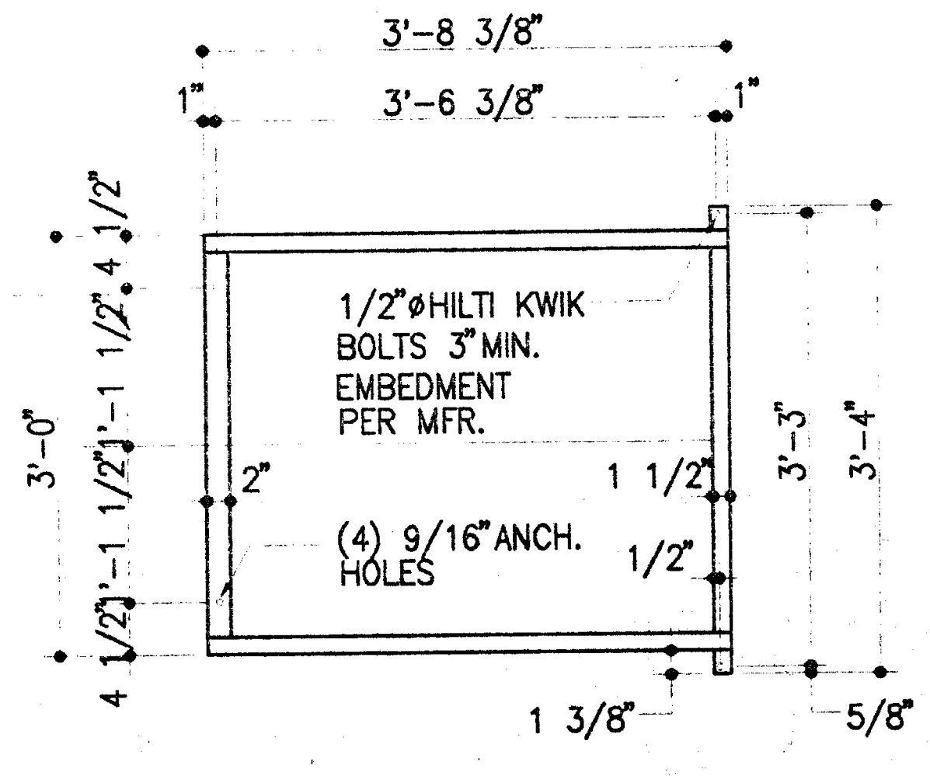
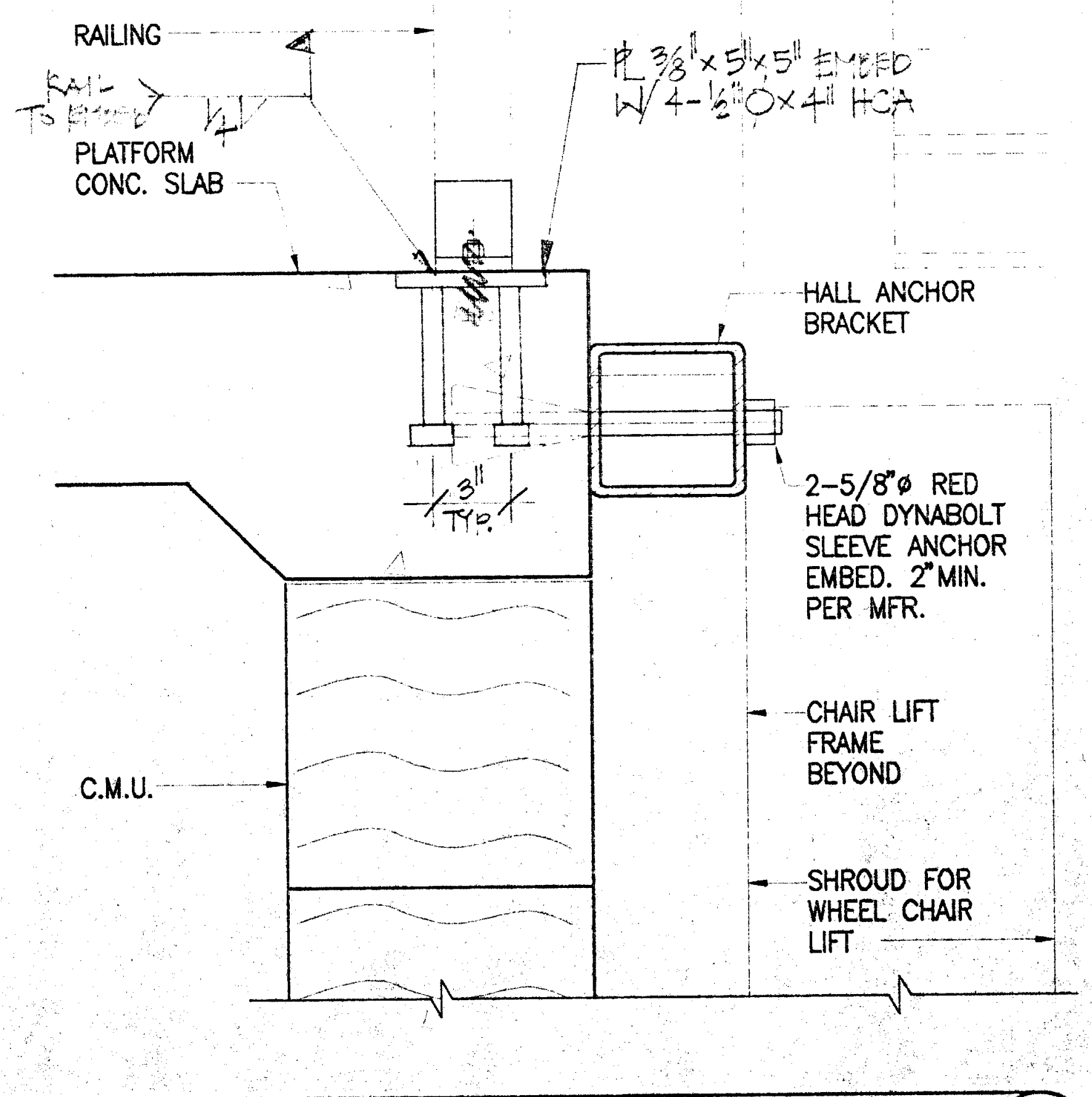


WHEELCHAIR LIFT BASE ANCH. DETAIL 3/4"=1'-0" 6 DE14004 A2.8



WHEELCHAIR LIFT WALL ANCH. DETAIL 3"=1'-0" 3 DE14005 A2.8

PLOT DATE: 03.17.98

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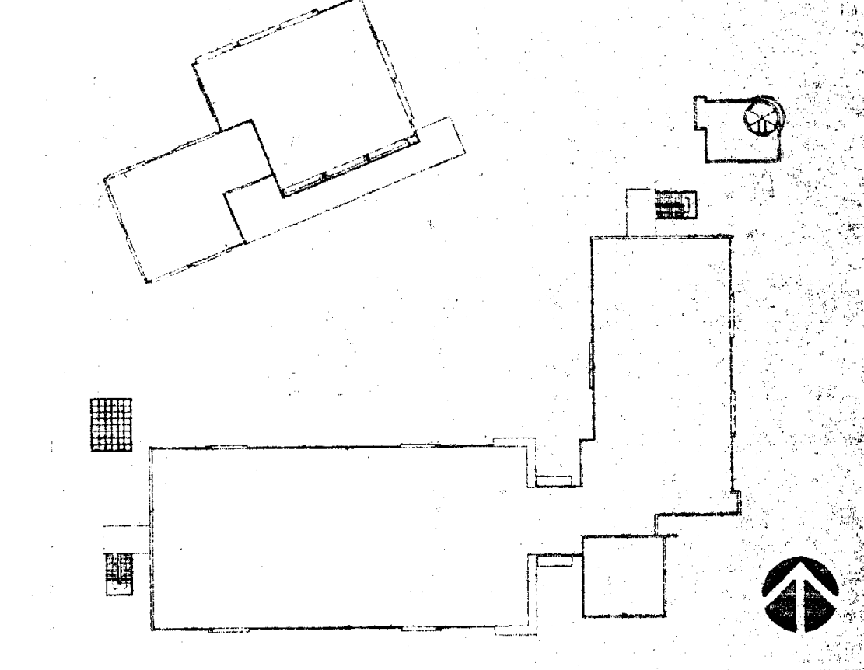
KEY PLAN



NO.	DATE	BY	REVISION

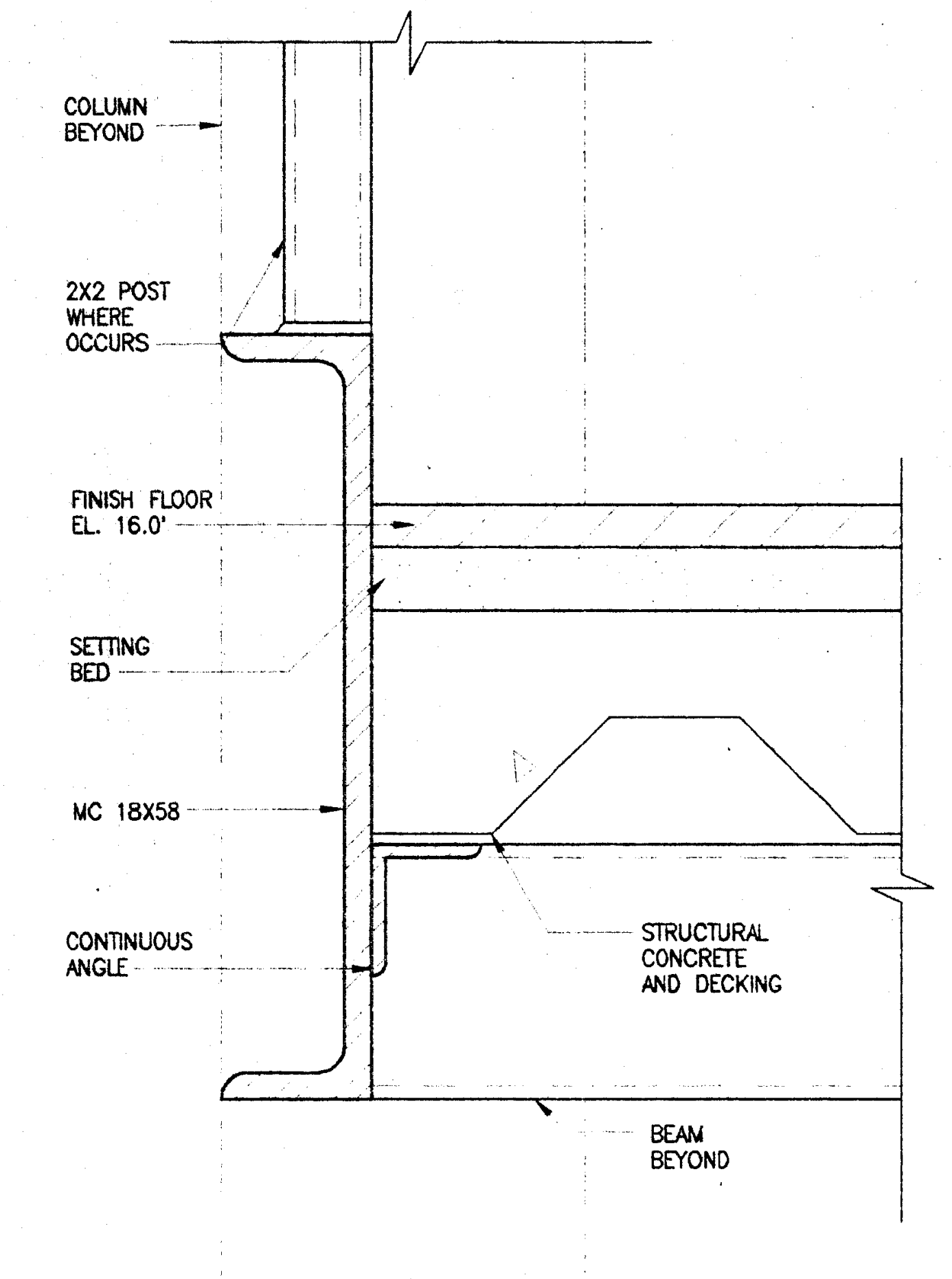
PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

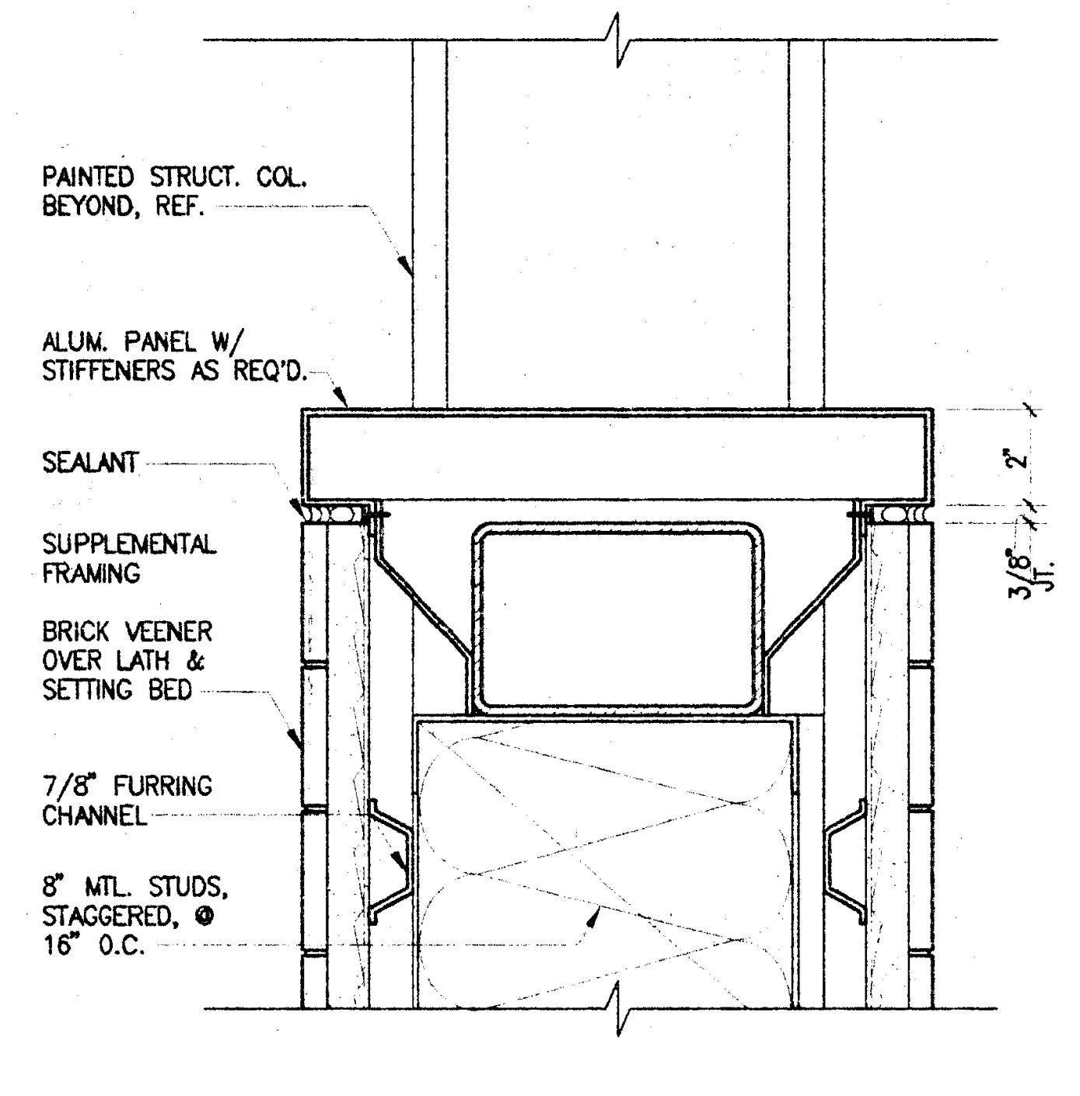
SHEET TITLE
WALL SECTIONS
+ DETAILS

FILE:	CMA7-04B
SCALE	1/8"=1'-0"
JOB NO.	JGM
DATE	03.06.98

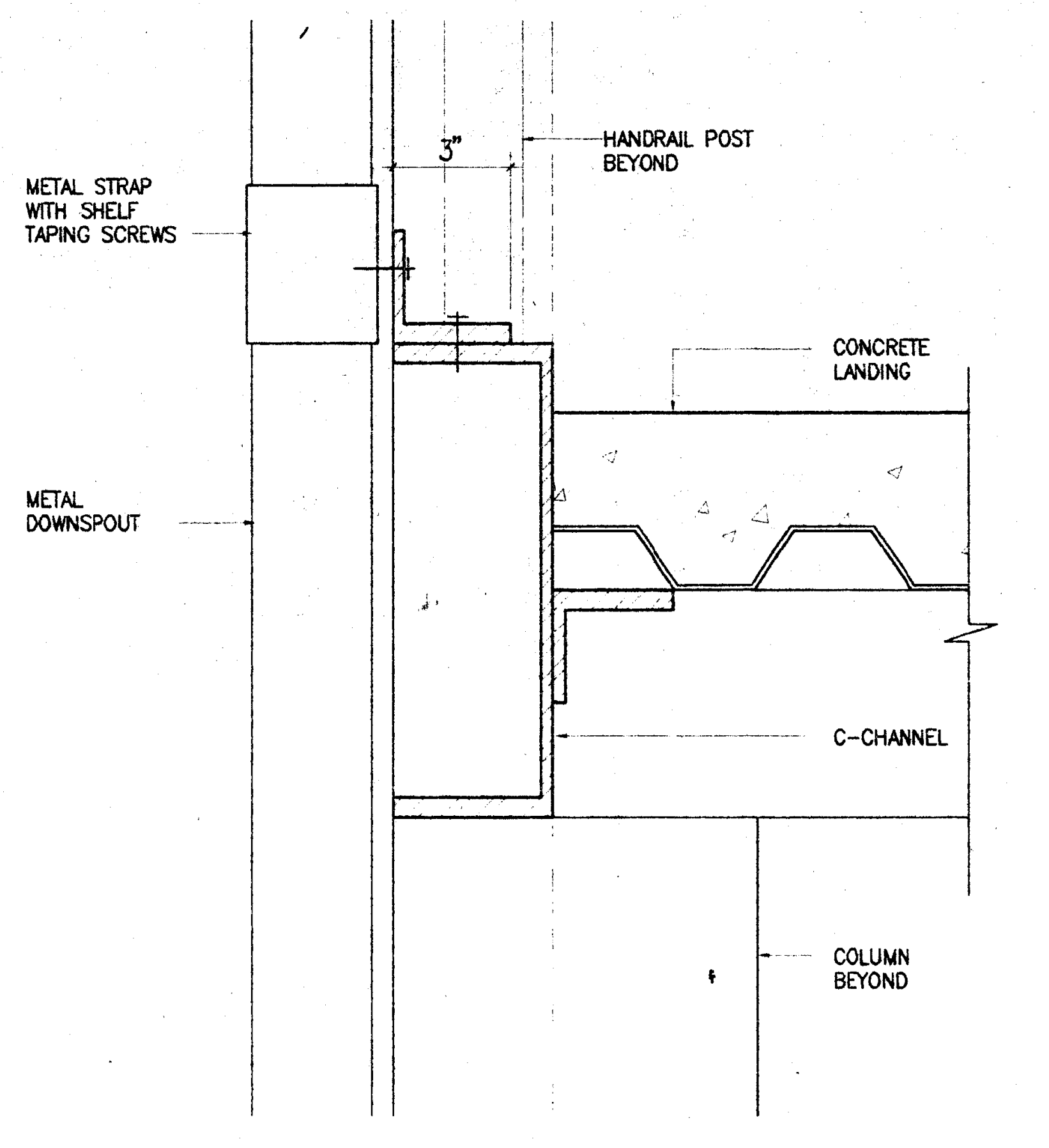
SHEET NO.
A7.4B
OF SHEETS



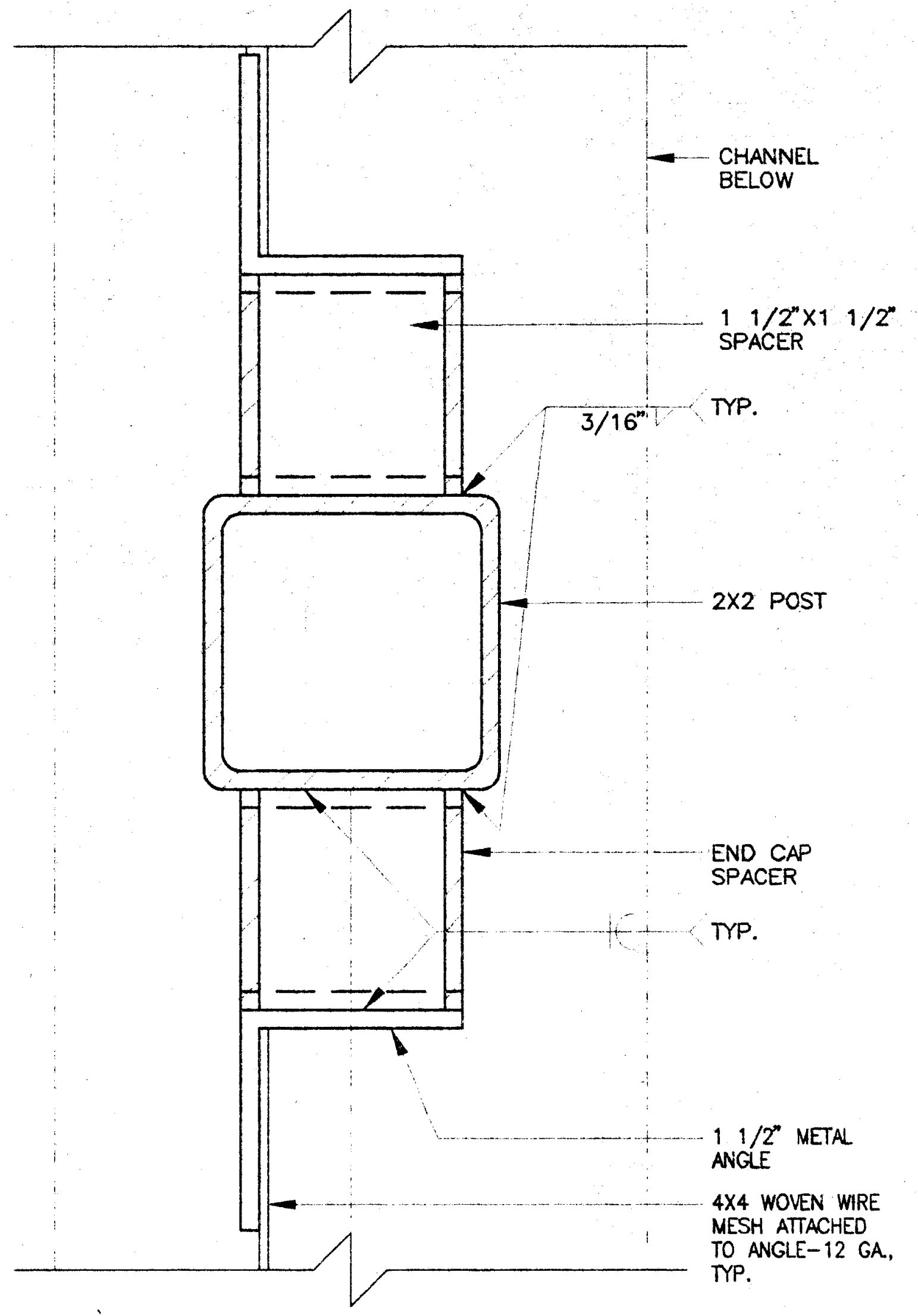
STRINGER • STAIR LANDING — 3"=1'-0" — DE05016P — 13 / A2.6



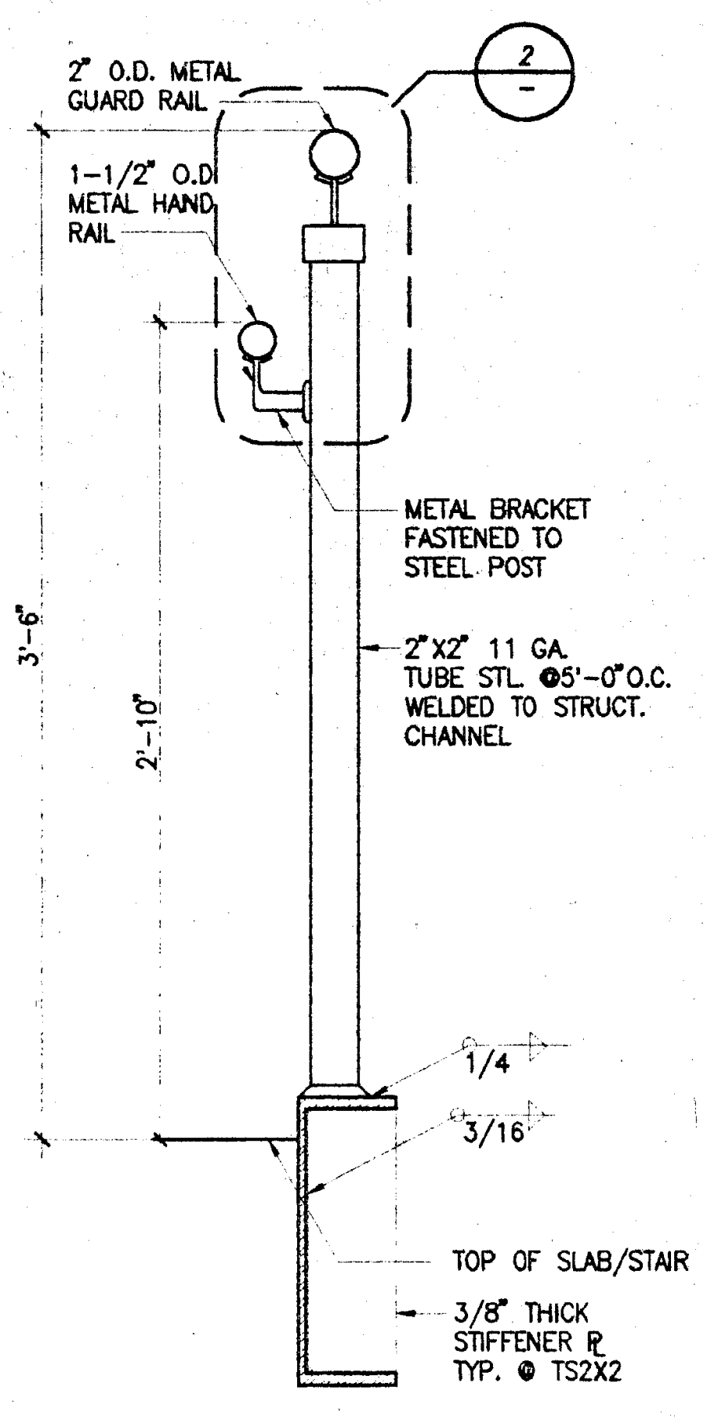
COPING • STAIR WALL — 3"=1'-0" — DE05035C — 10 / A2.6



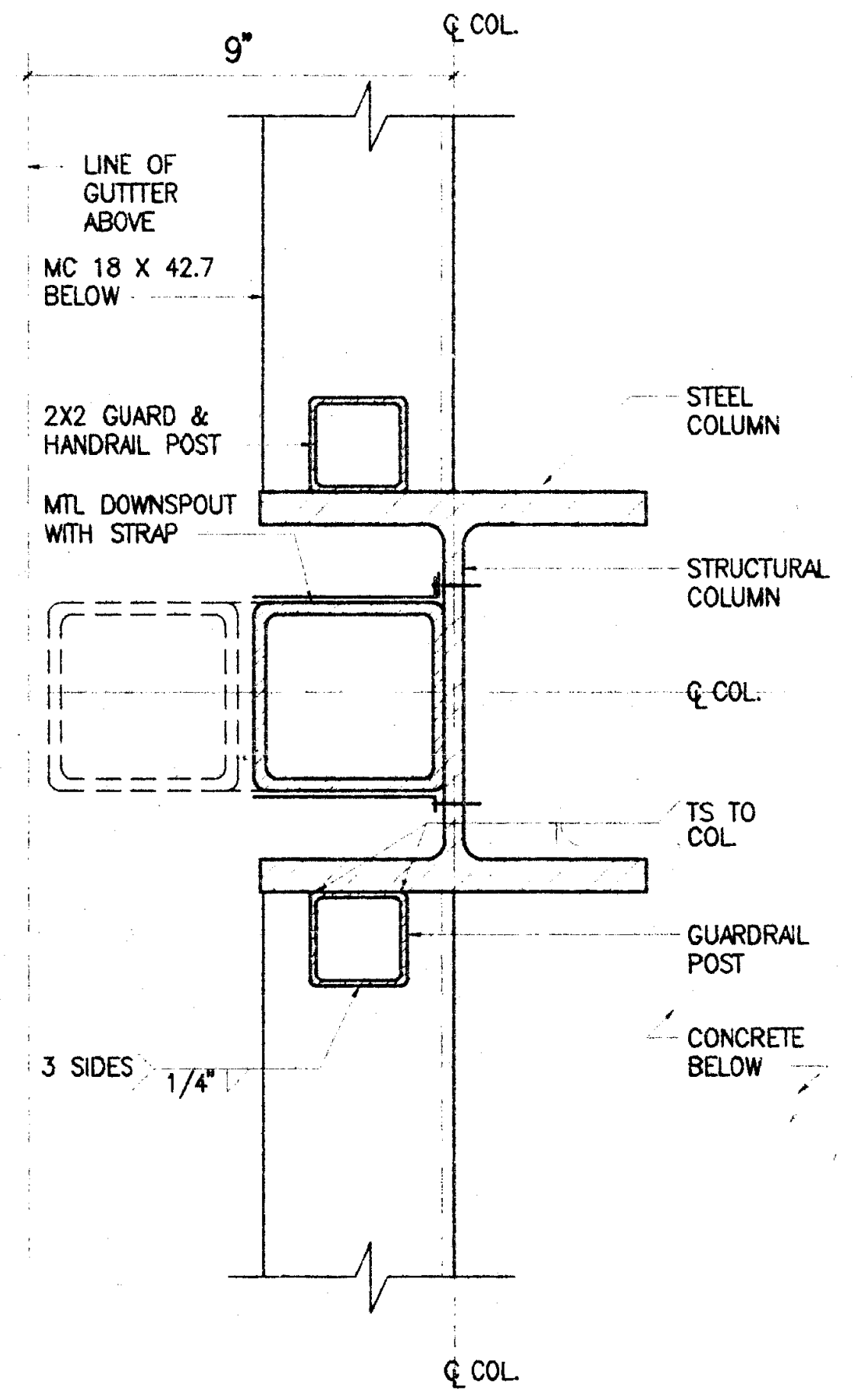
DOWNSPUT CONNECTION — 3"=1'-0" — DE05037 — 7 / A2.6



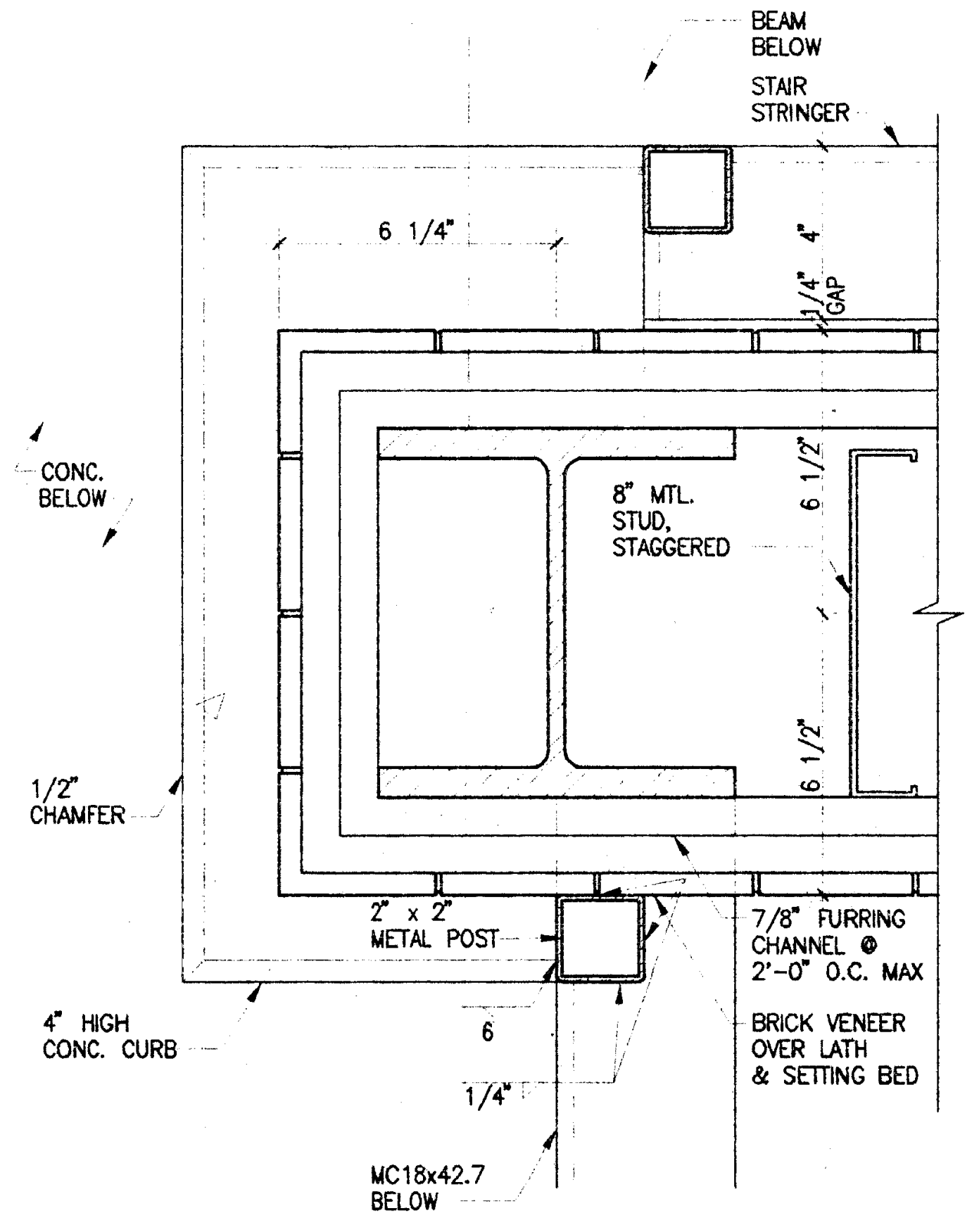
VERTICAL SUPPORT ASSEMBLY-PLAN — FULL — DE05033A — 4 / A2.6



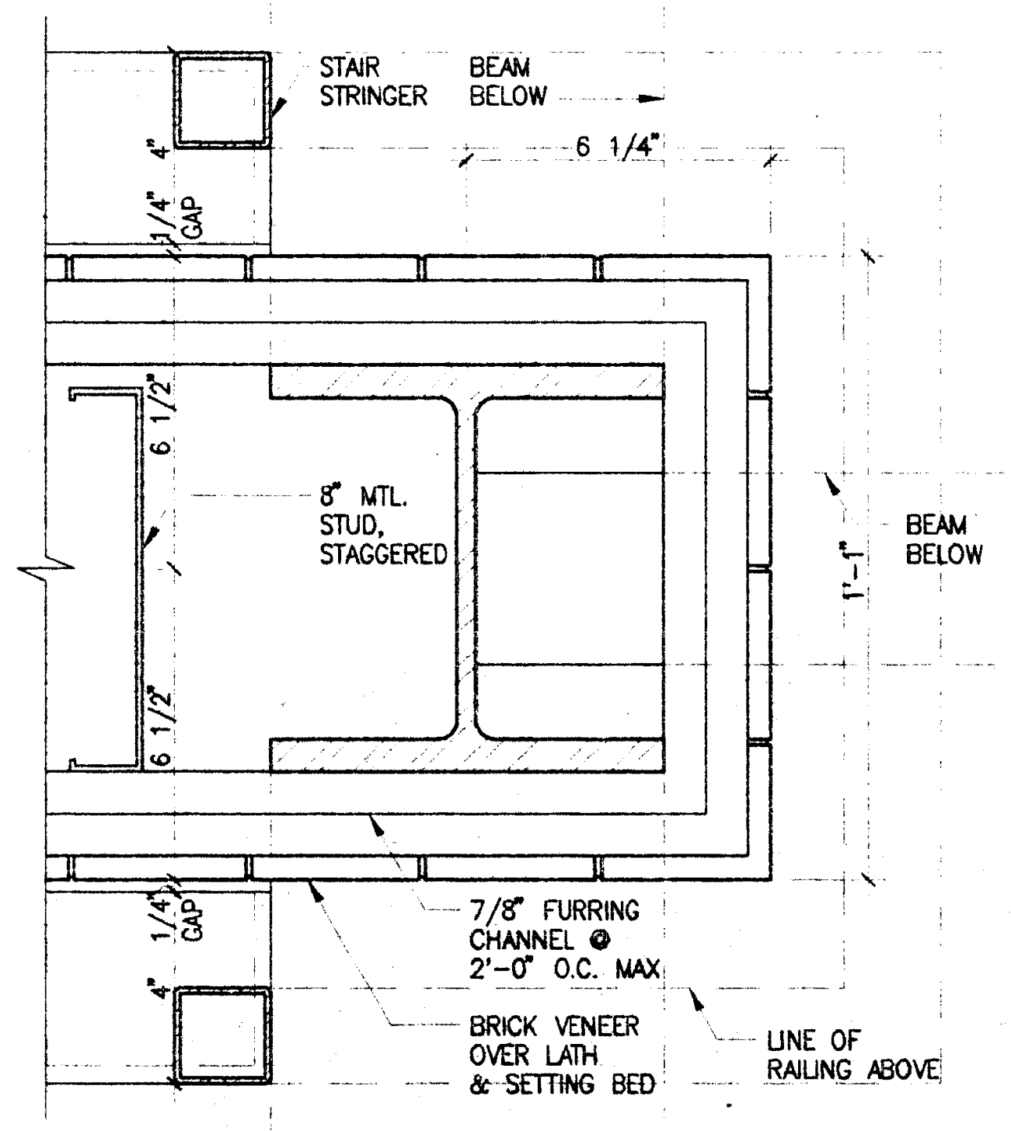
HANDRAIL ASSEMBLY — 1 1/2"=1'-0" — DE05029 — 1 / A2.6



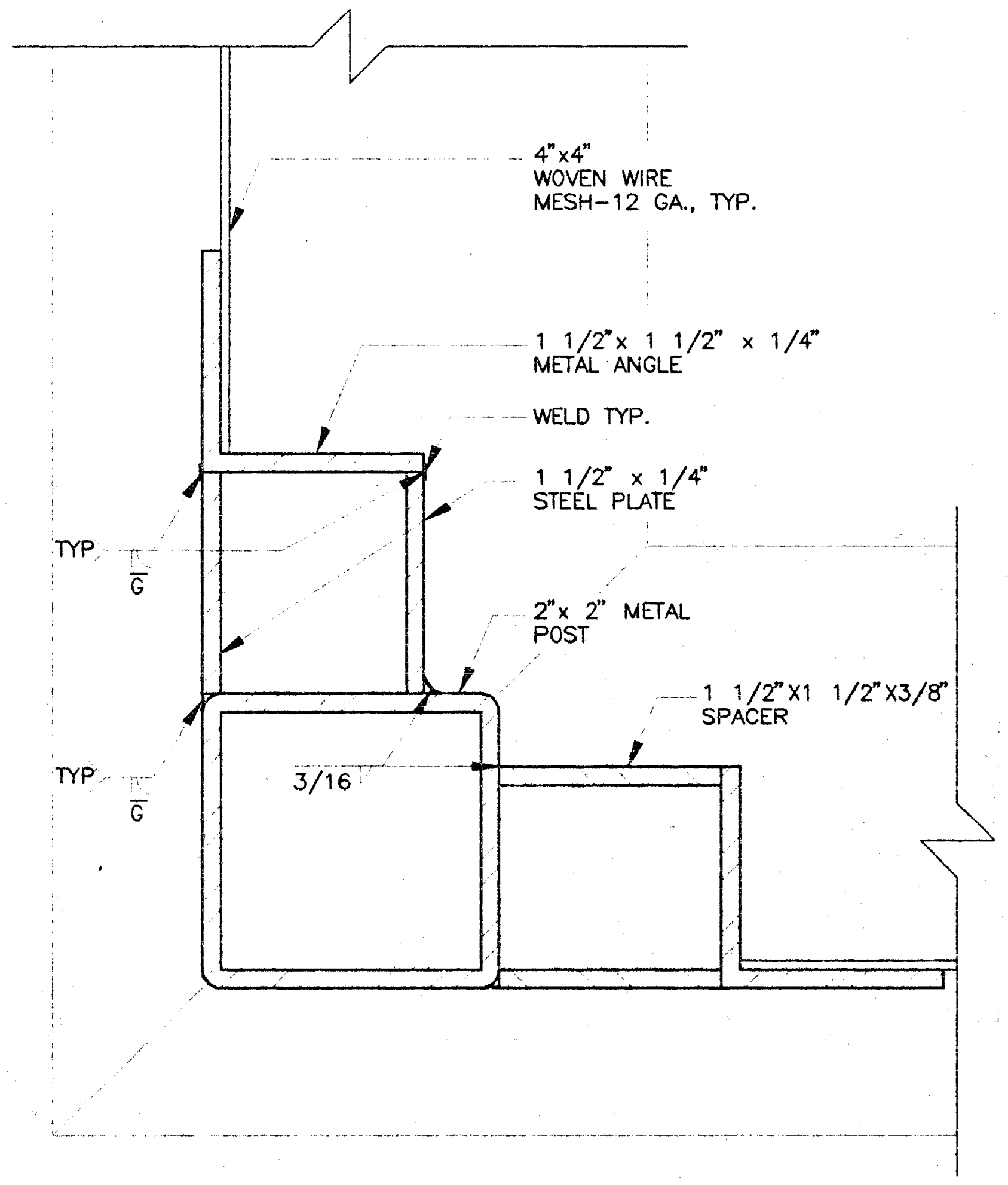
VERTICAL SUPP. • COL + DWNSPT CONN — 3"=1'-0" — DE05036 — 14 / A2.6



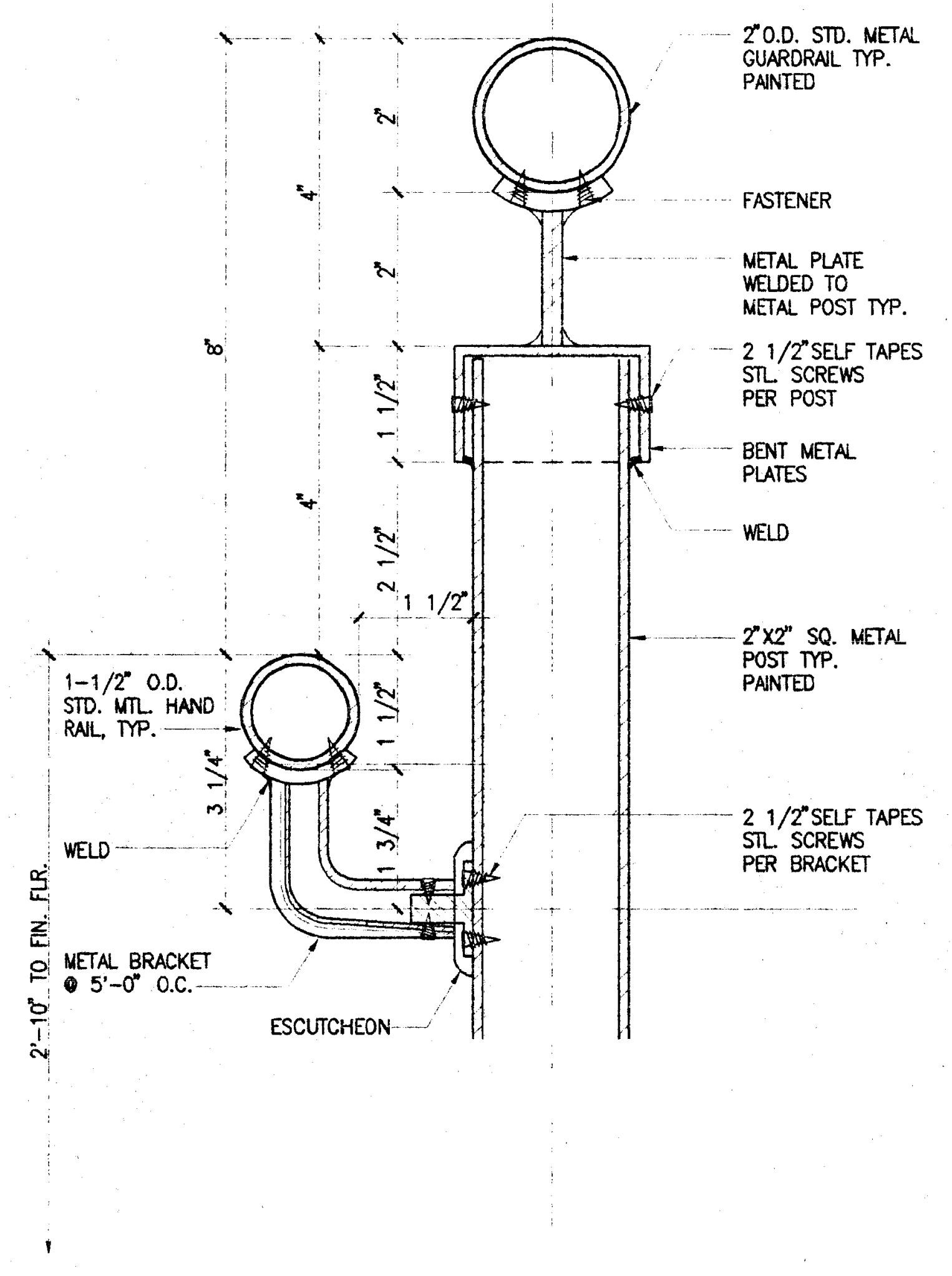
WALL • EXTERIOR STAIR — 3"=1'-0" — DE05035B — 11 / A2.6



WALL • EXTERIOR STAIR — 3"=1'-0" — DE05035A — 8 / A2.6



VERTICAL SUPPORT ASSEMBLY-PLAN — FULL — DE05033B — 5 / A2.6



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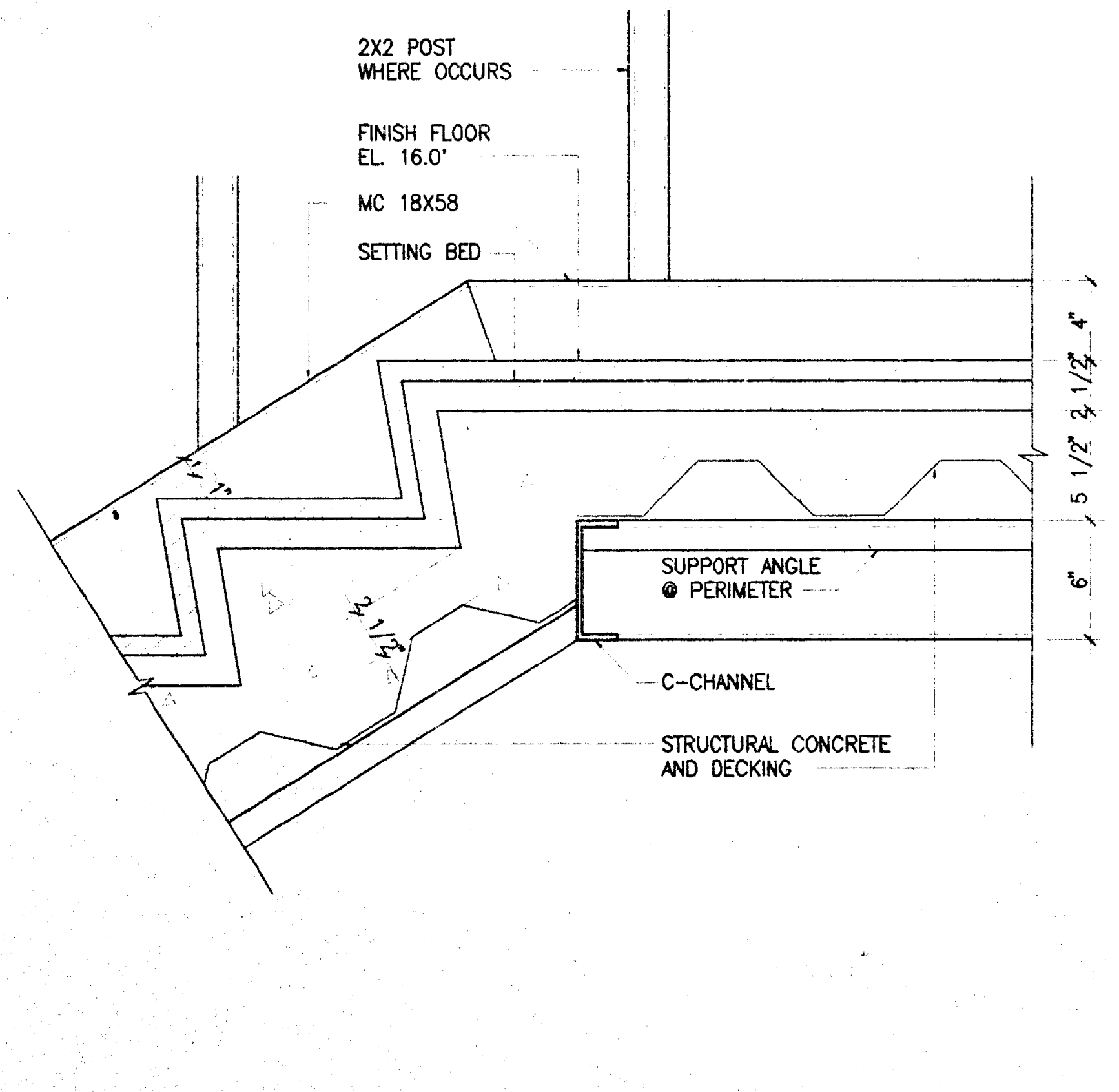
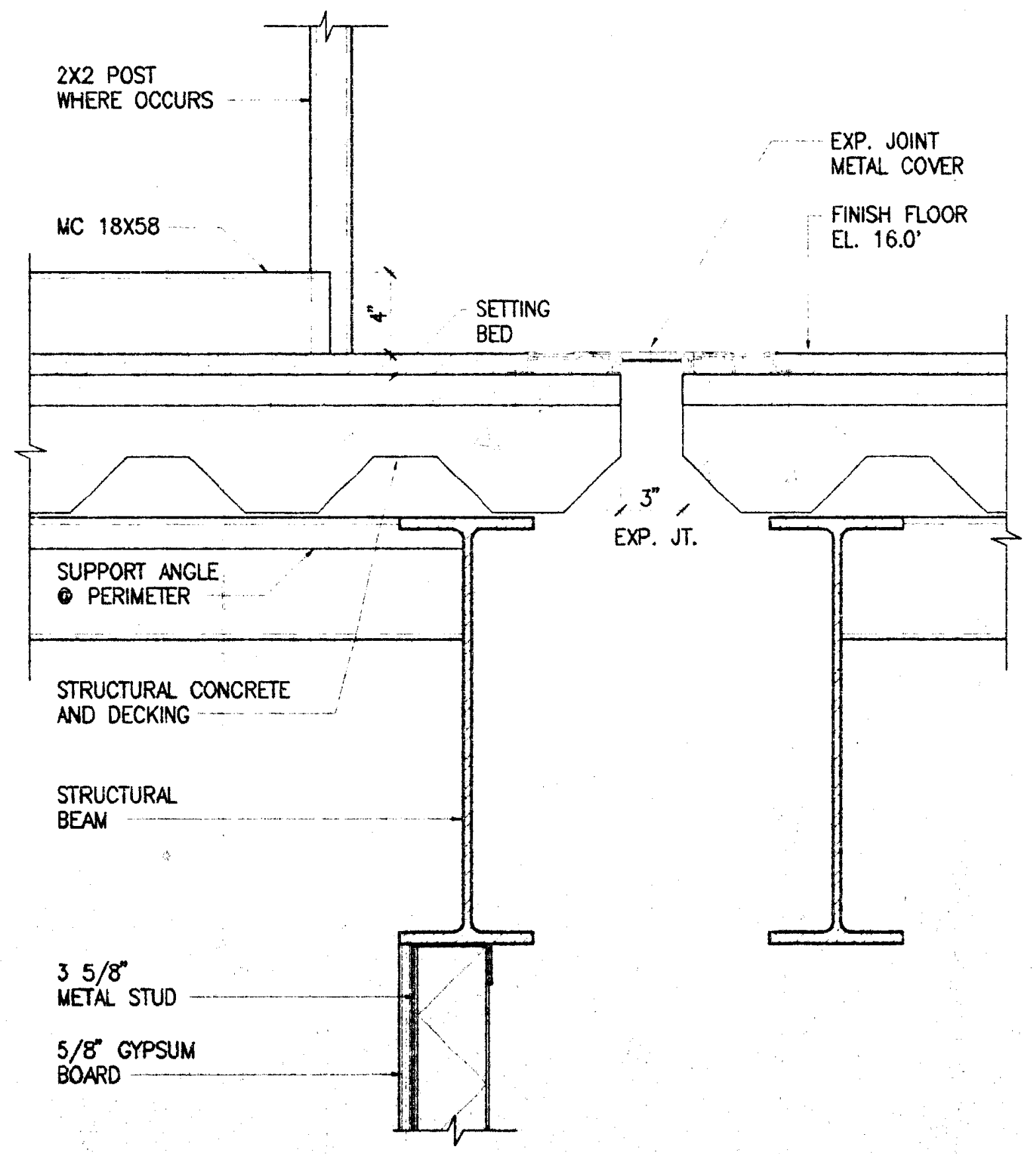
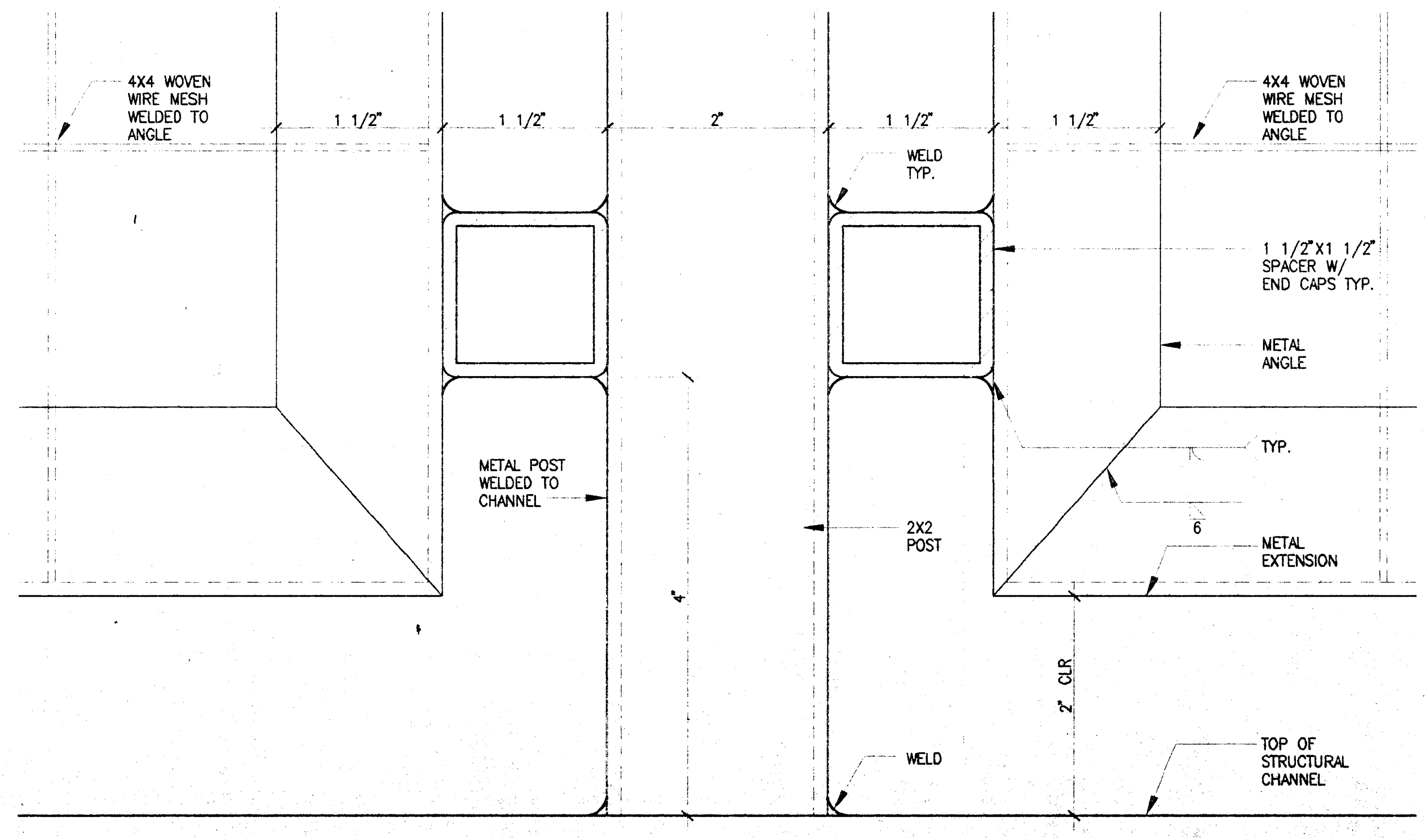


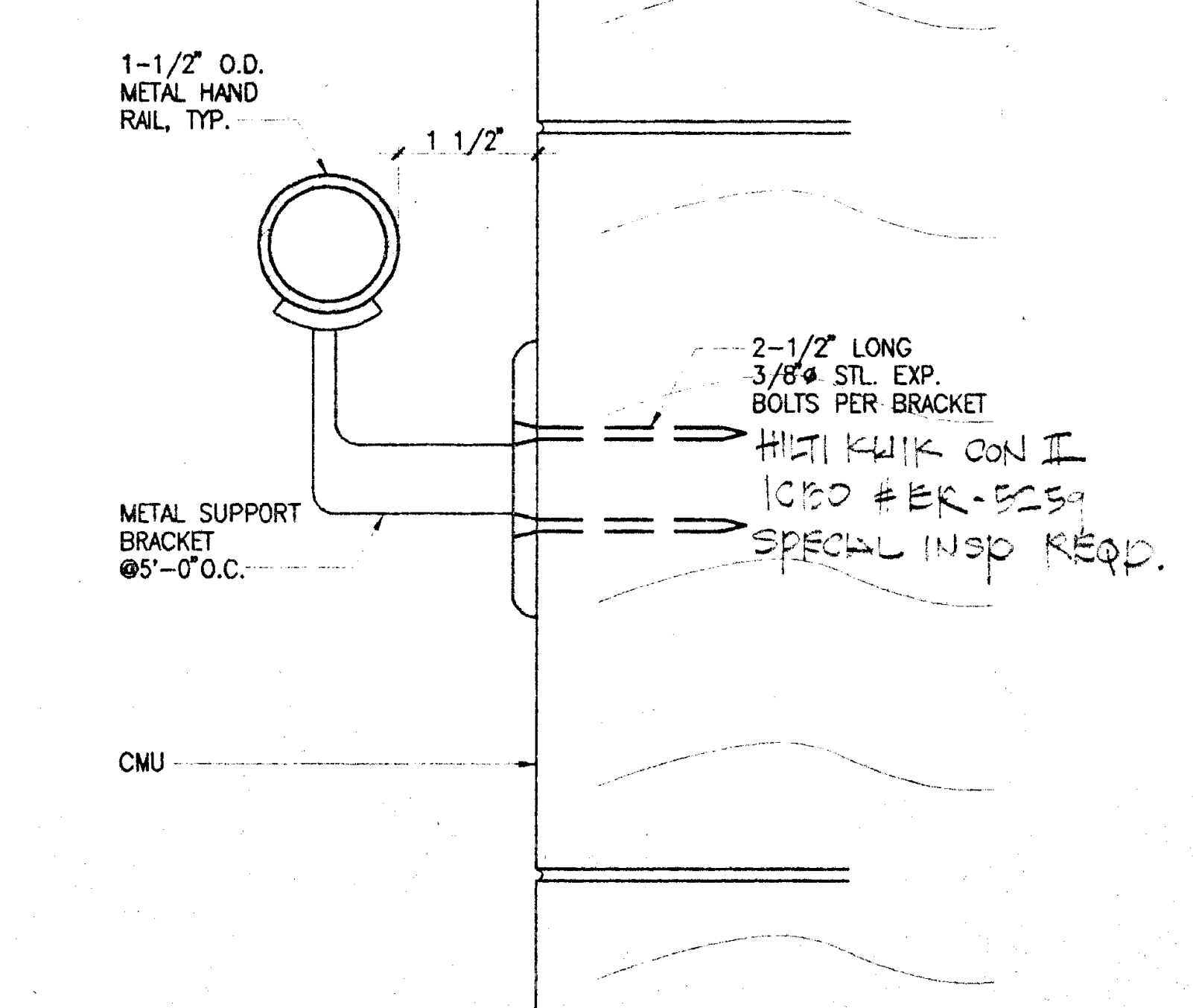
STAIR DETAIL — 1 1/2"=1'-0" — DE05016M — 15 / A2.6



BRIDGE DETAIL — 1 1/2"=1'-0" — DE05016N — 12 / A2.6



HANDRAIL VERTICAL SUPPORT ASSEMBLY ELEVATION — HALF FULL — DE05033C — 6 / A2.6



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HANDRAIL ASSEMBLY — HALF FULL — DE05032A — 3 / A2.6

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SEAL

MORRIS R. POINDEXTER
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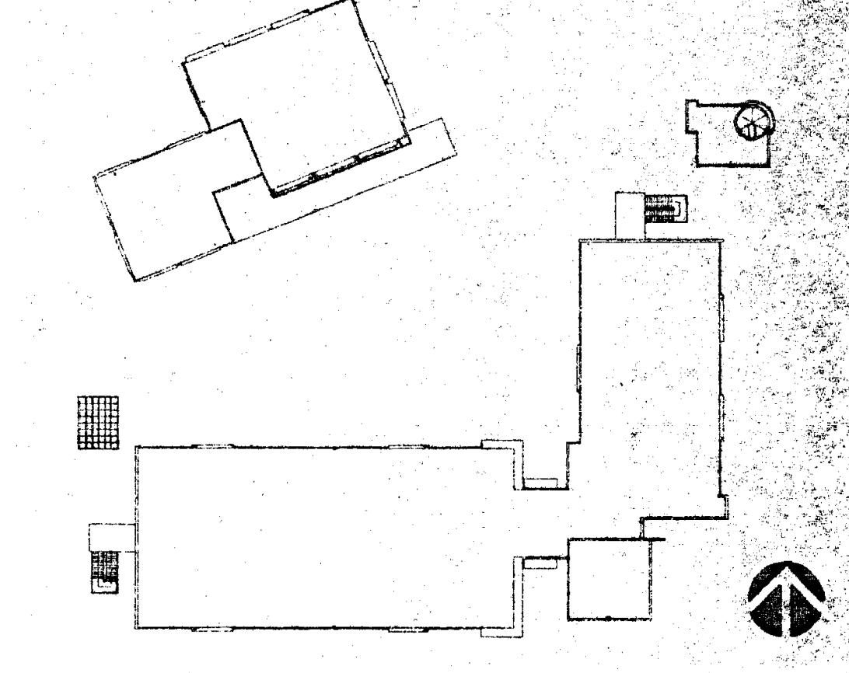
RENEWAL DATE

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

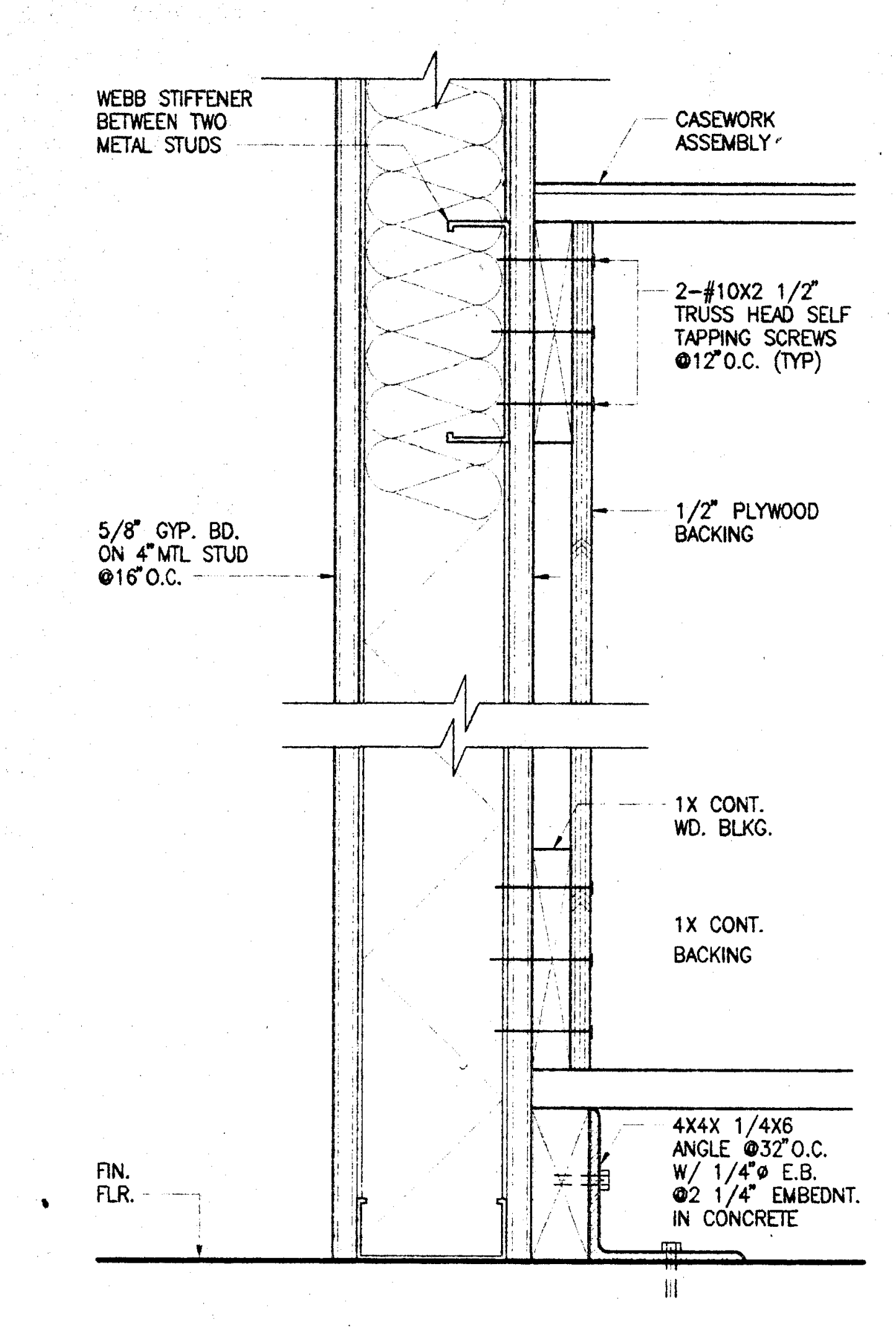
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

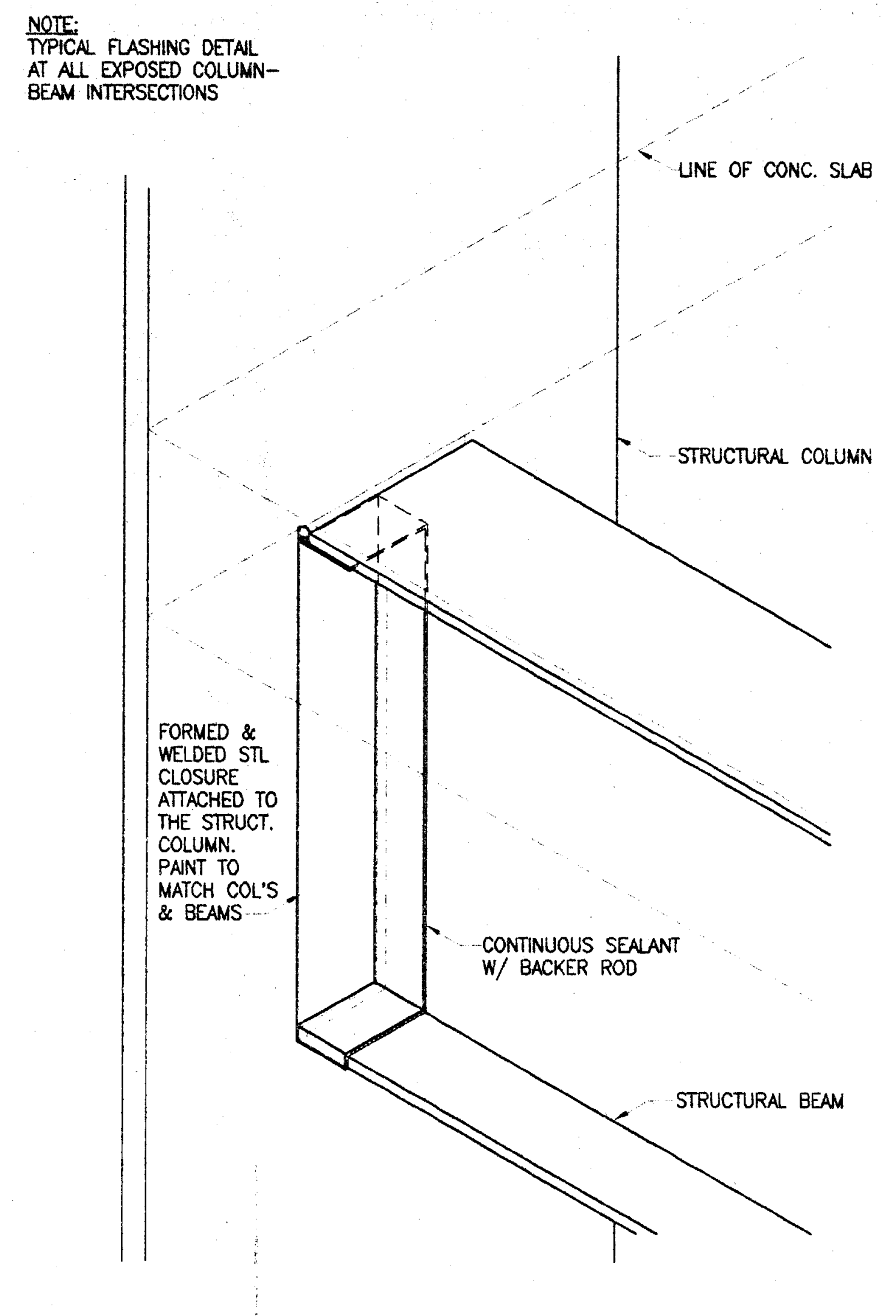
STAIR + VERTICAL SUPPORT DETAILS

FILE:	CMA7-05
SCALE	1/8"=1'-0"
JOB NO.	JGM
DATE	03.06.98

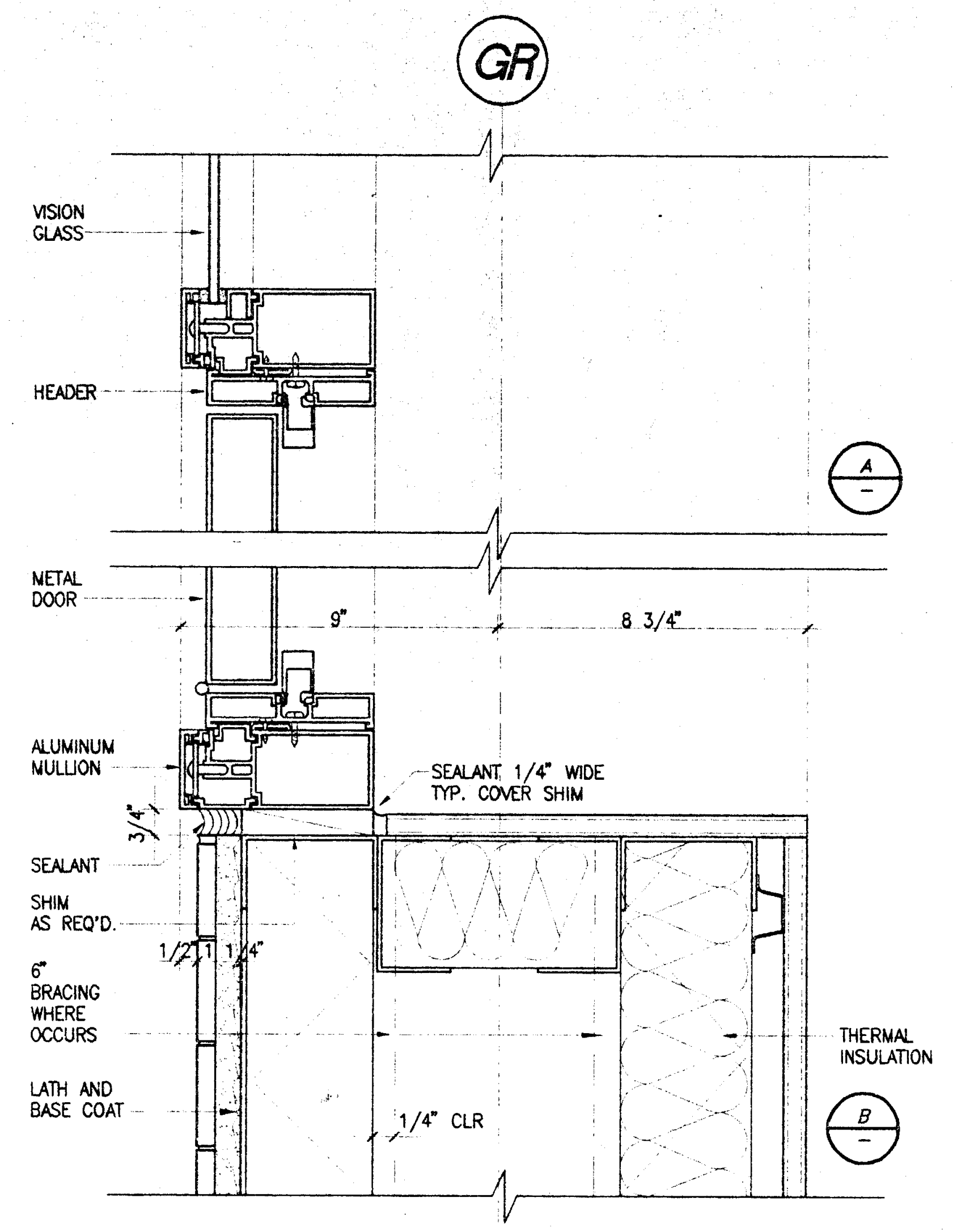
SHEET NO.
A7.5
OF ____ SHEETS



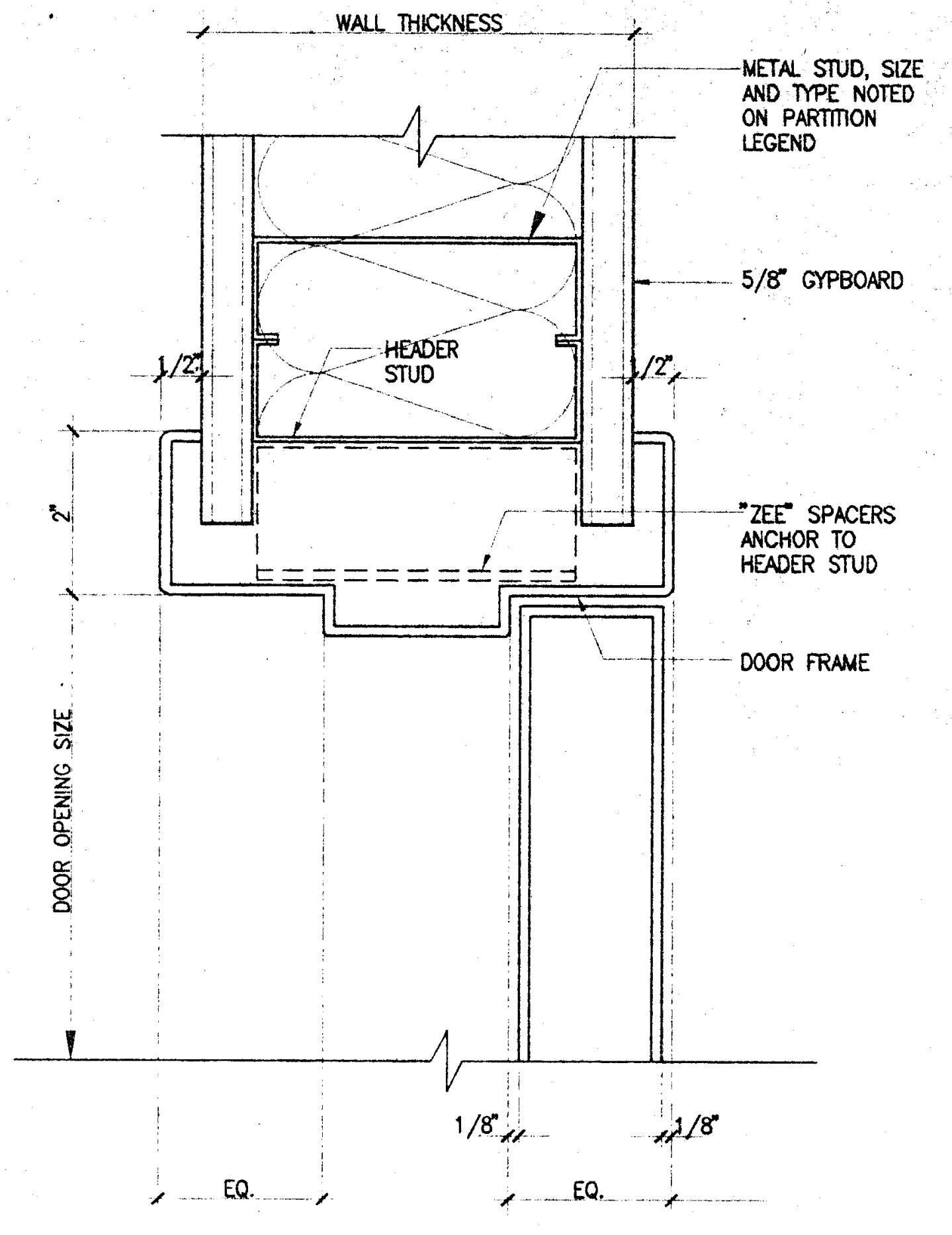
BASE CABINET MOUNTING DETAIL 3"=1'-0" 13 DE10051A A2.1



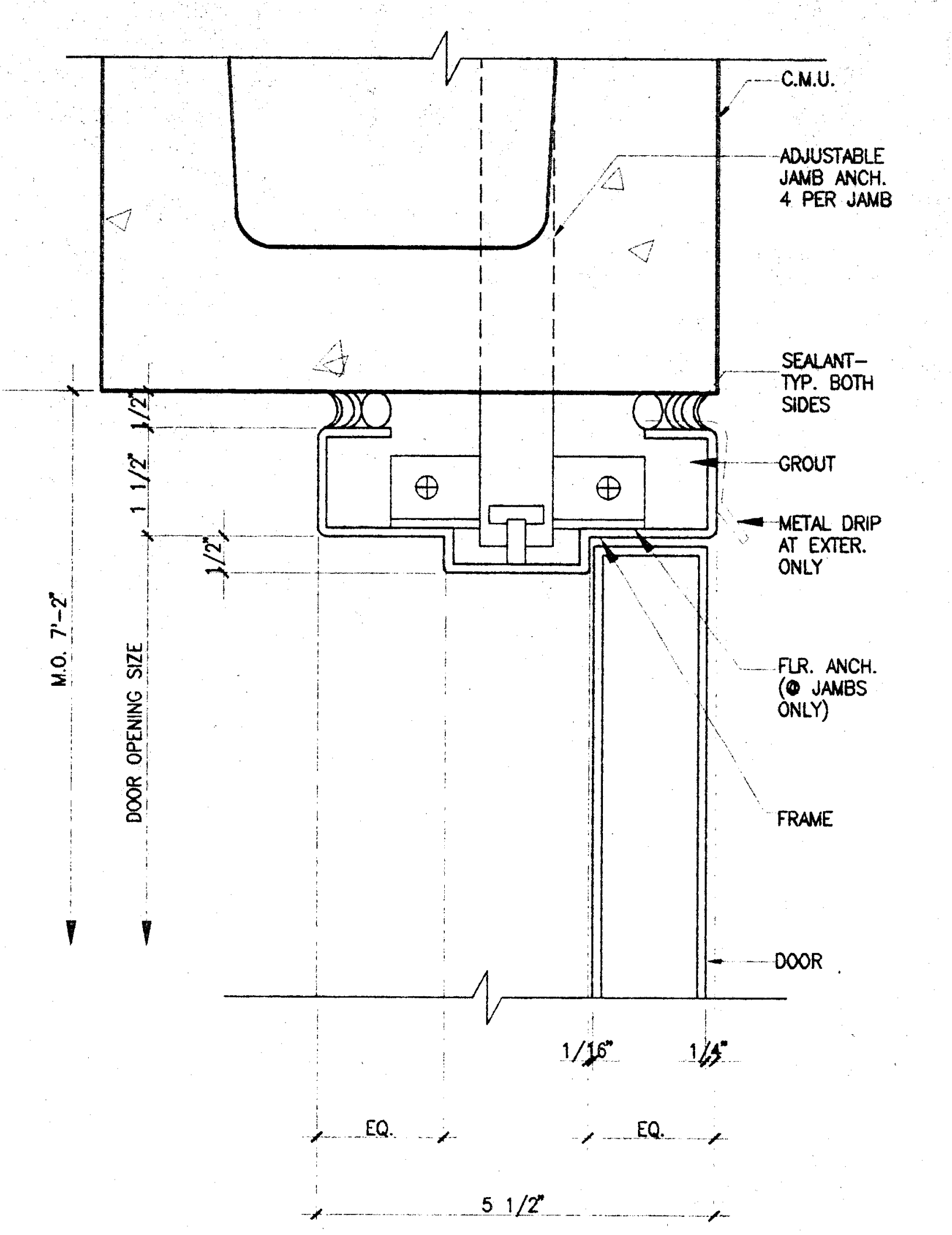
COL-BEAM CONNECTION FLASHING 3"=1'-0" 10 DE07047 A4.1



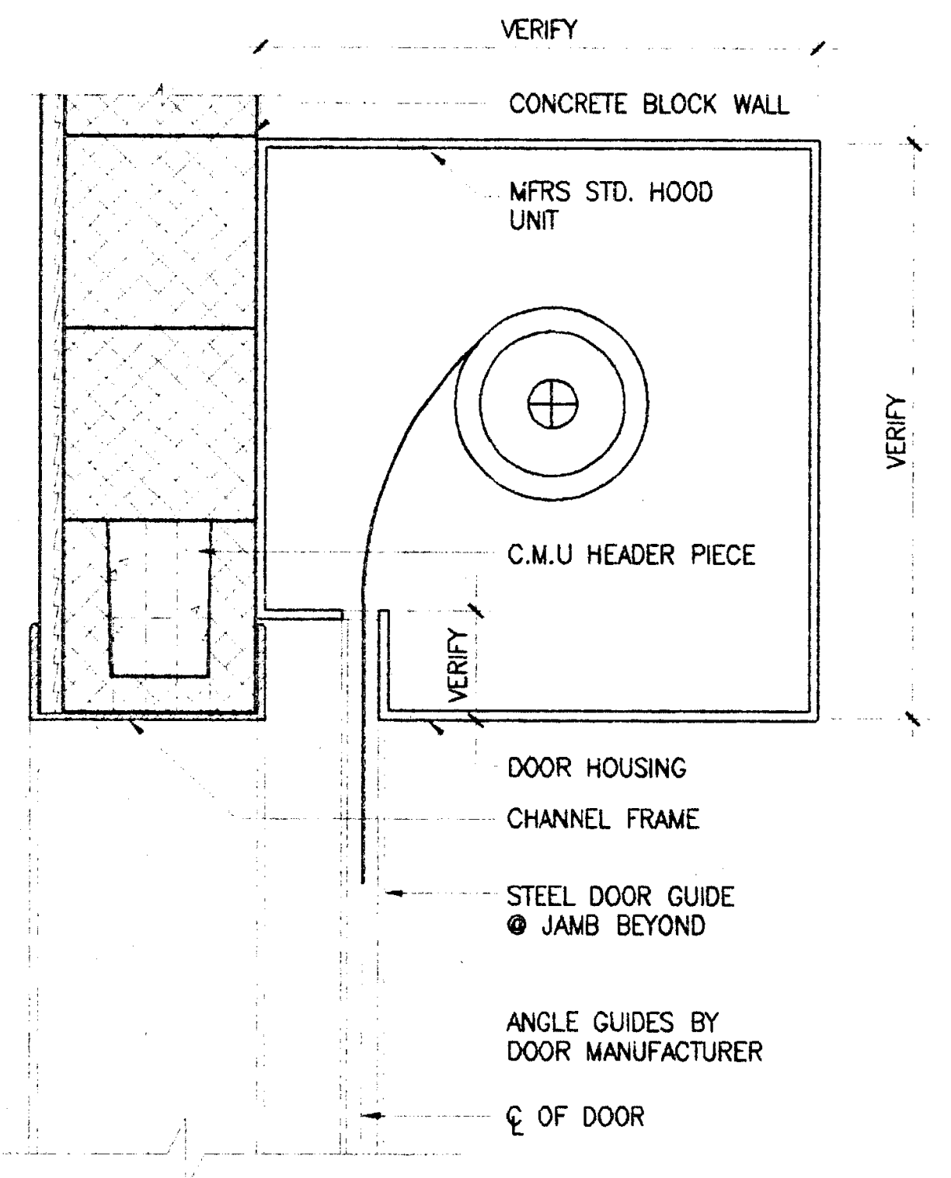
DOOR HEADER/JAMB 3"=1'-0" 7 DE08068 A4.4



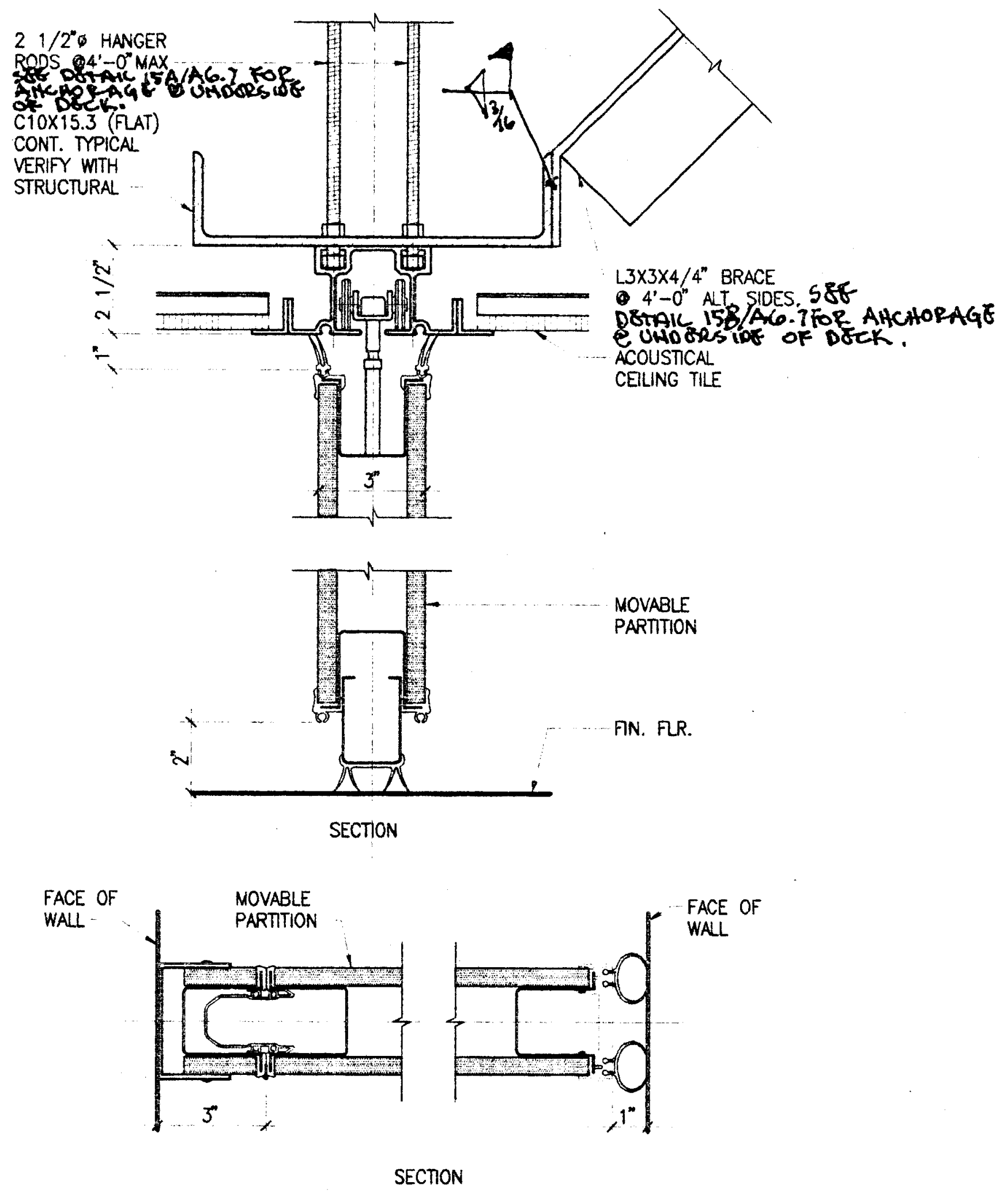
TYPICAL DOOR HEADER HALF FULL 4 DE08003 A2.1



TYPICAL DOOR HEADER • CMU WALL HALF FULL 1 DE08006 –



HEAD • ROLL-UP DOOR 1 1/2"=1'-0" 14 DE08001E A2.1



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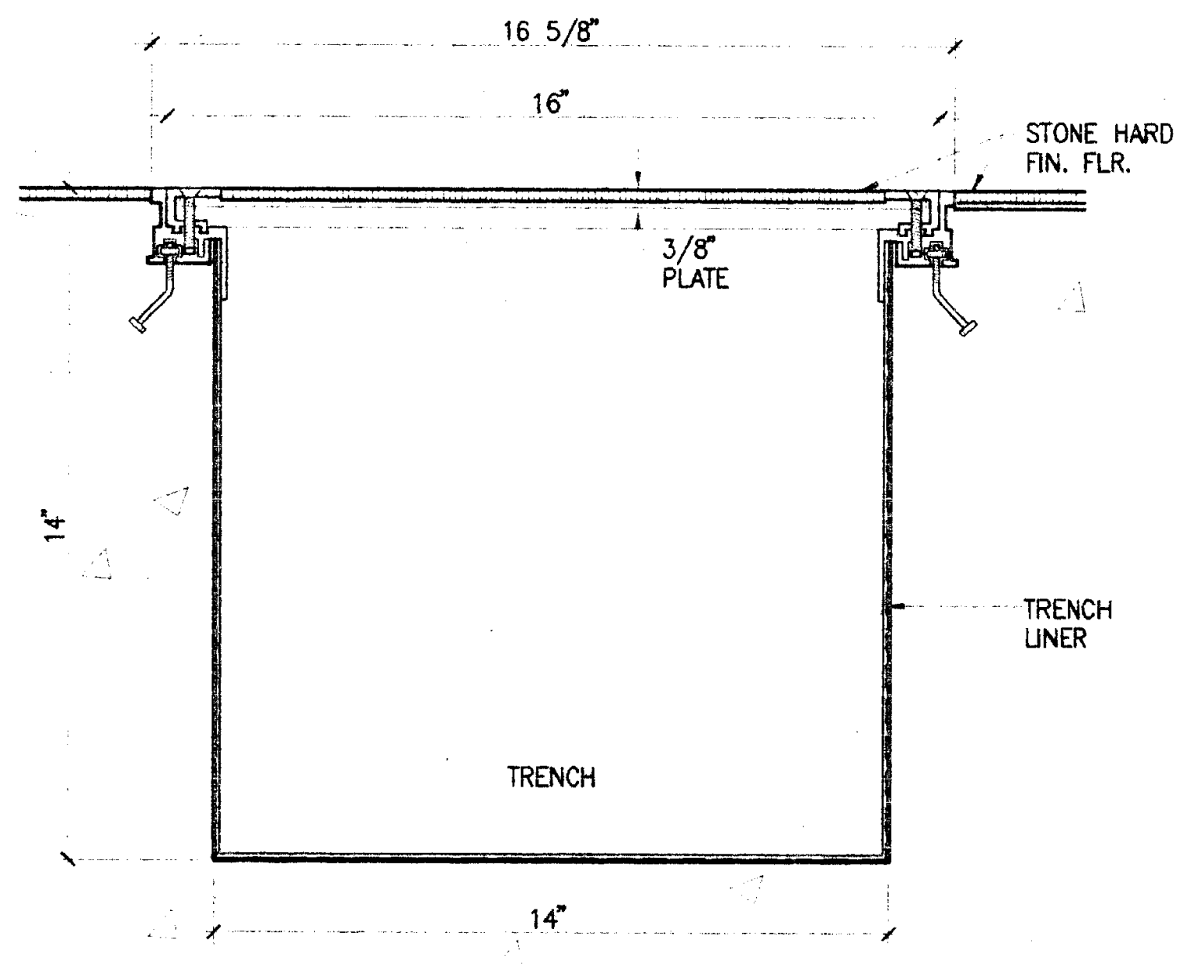

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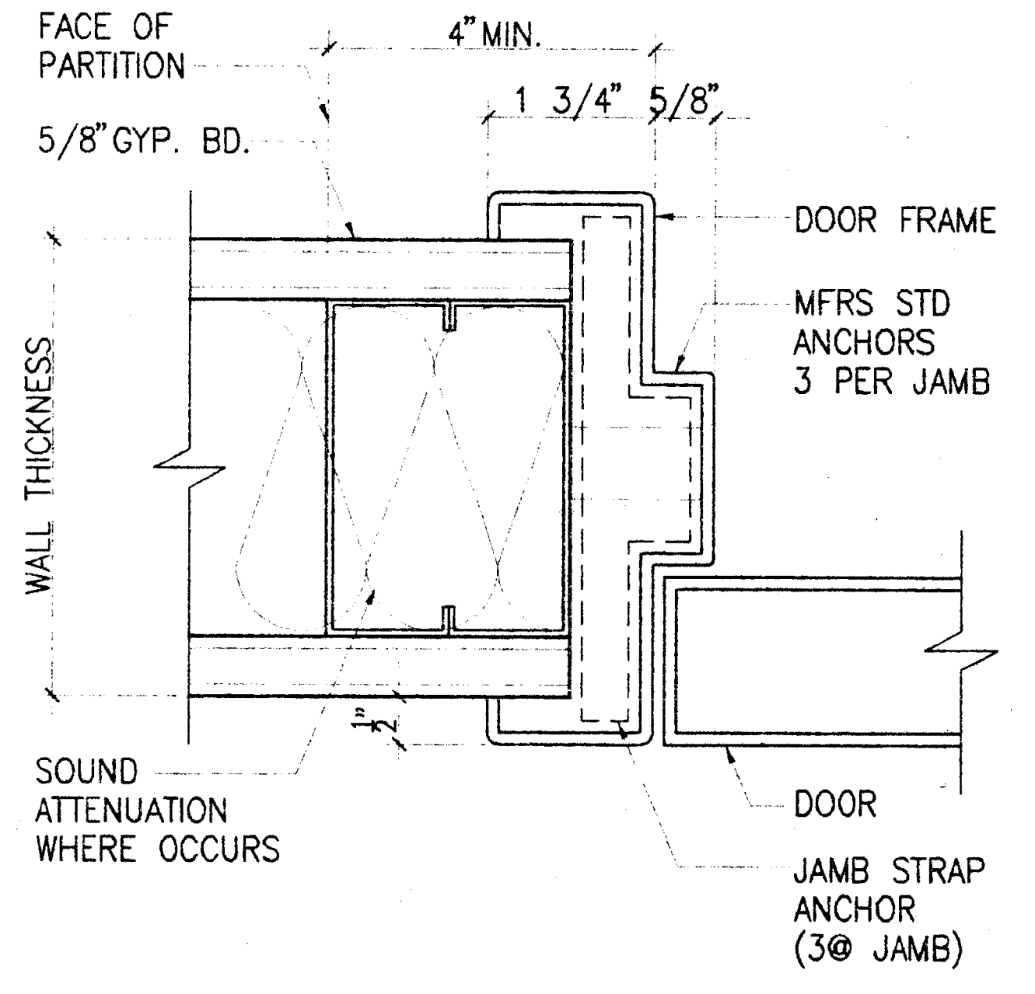

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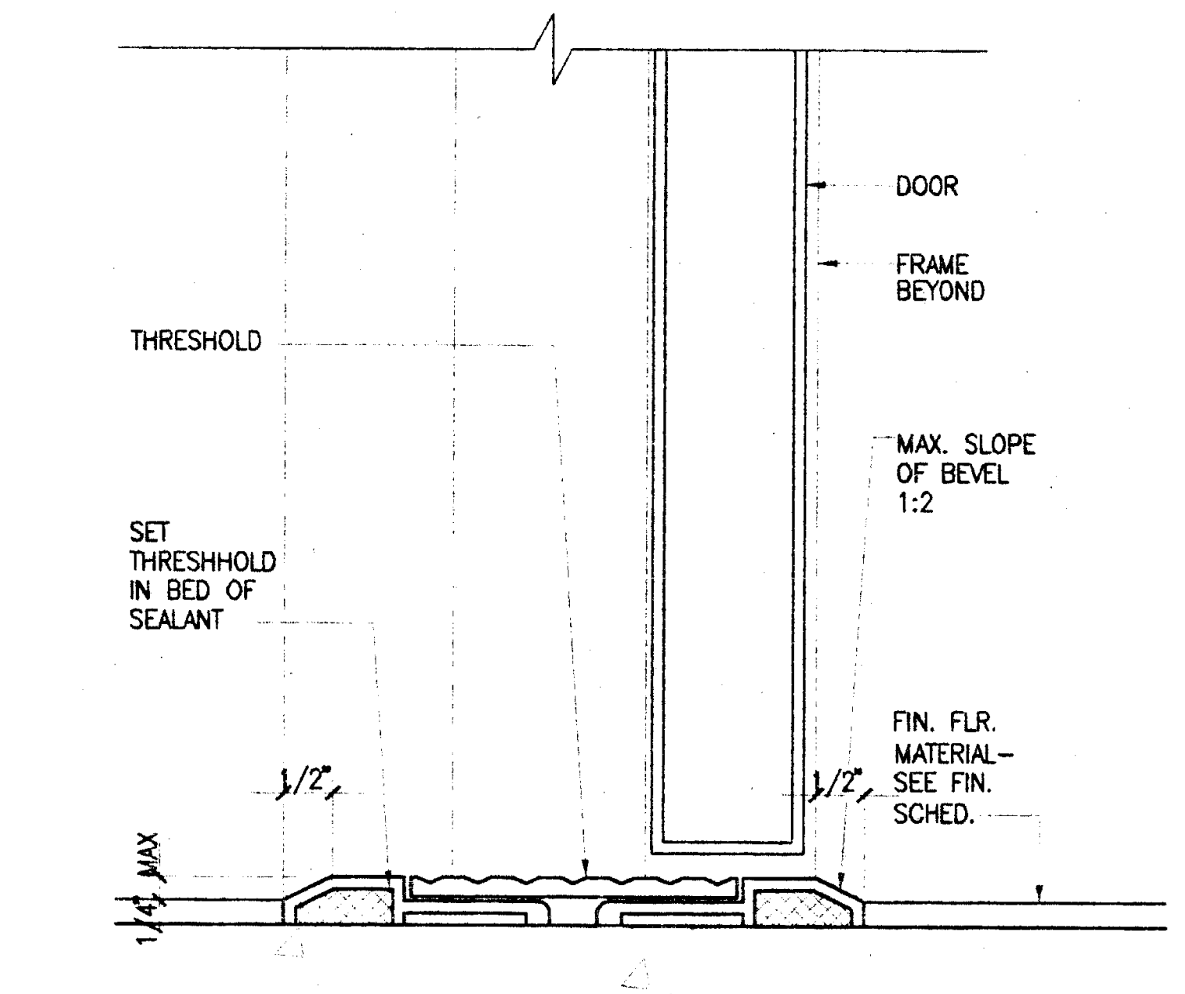

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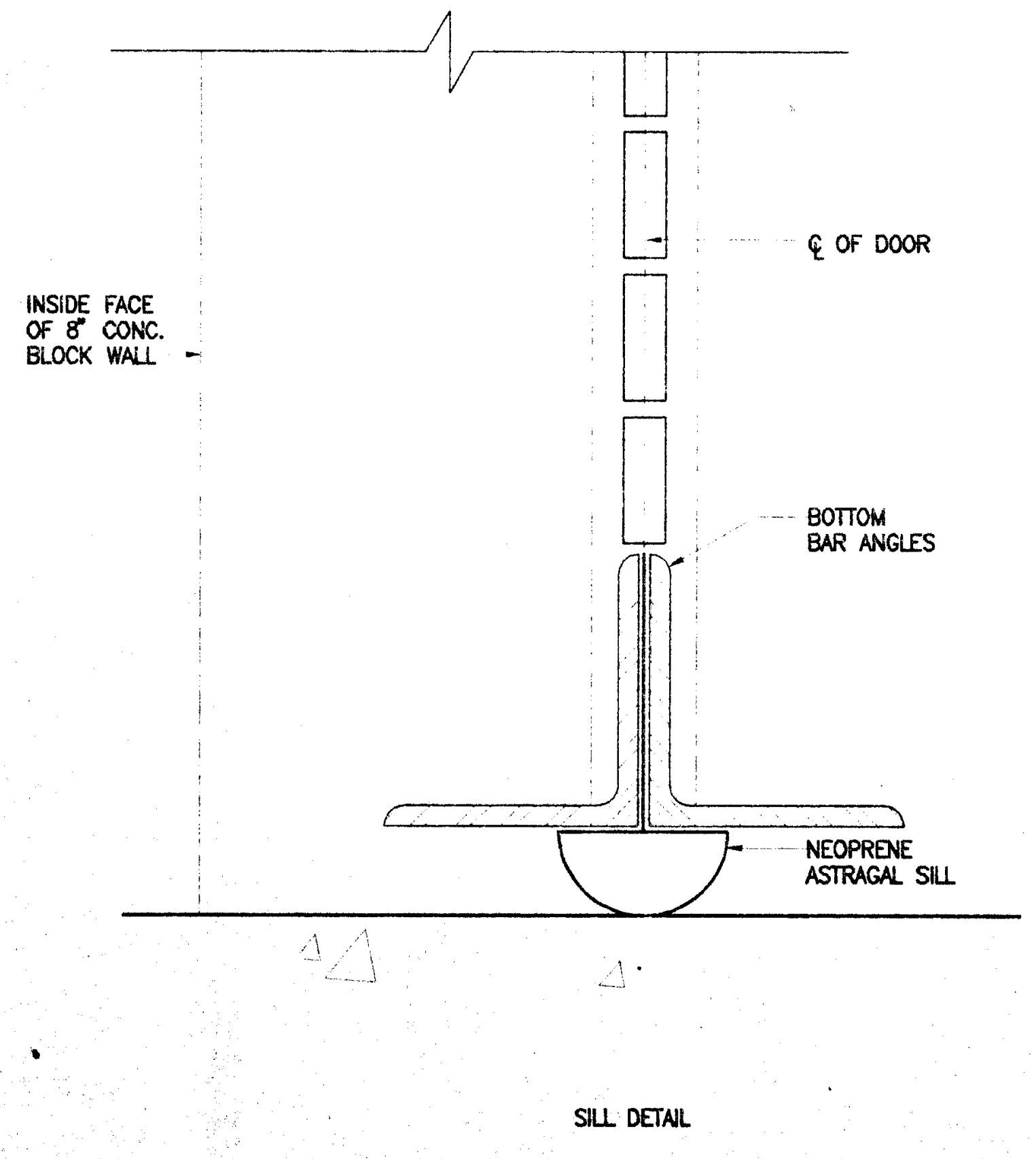

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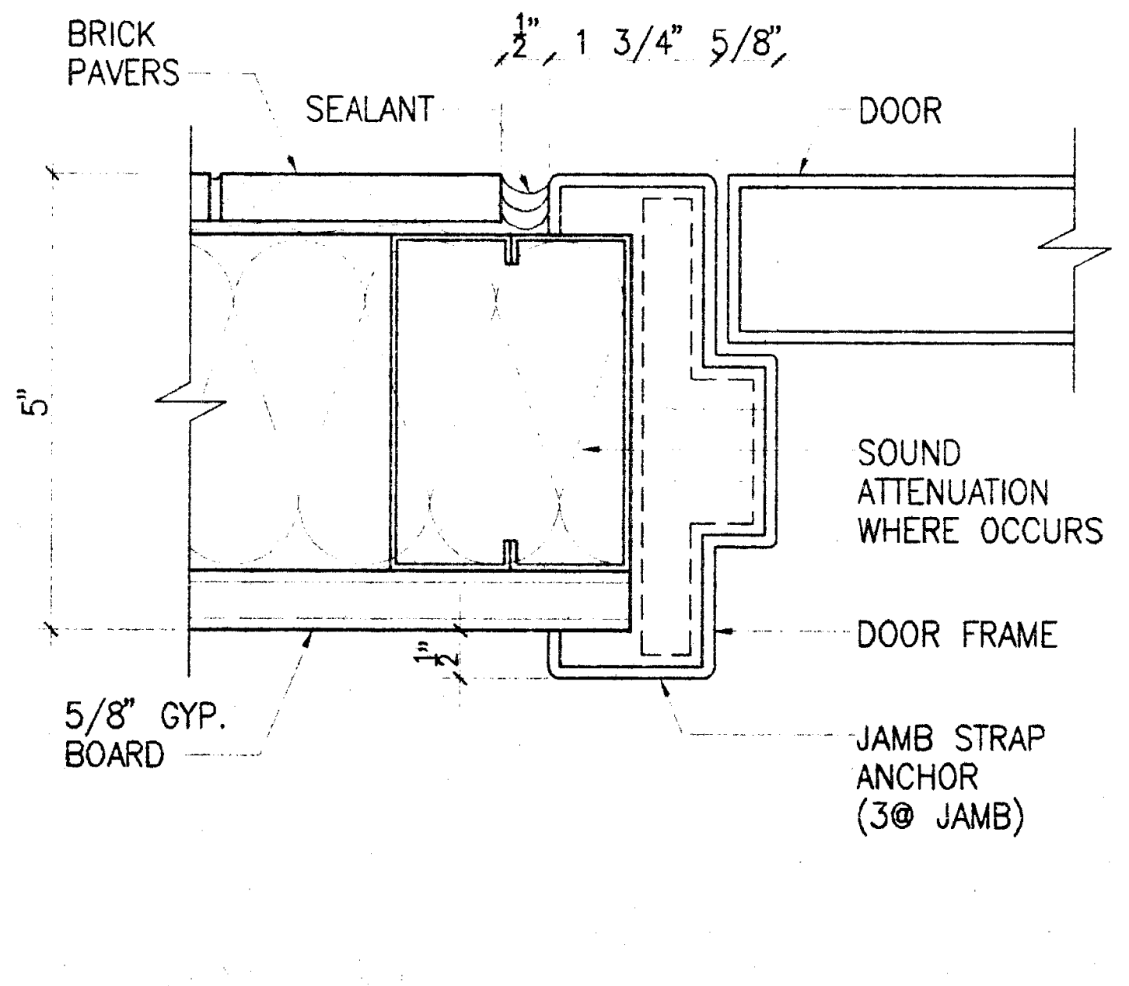

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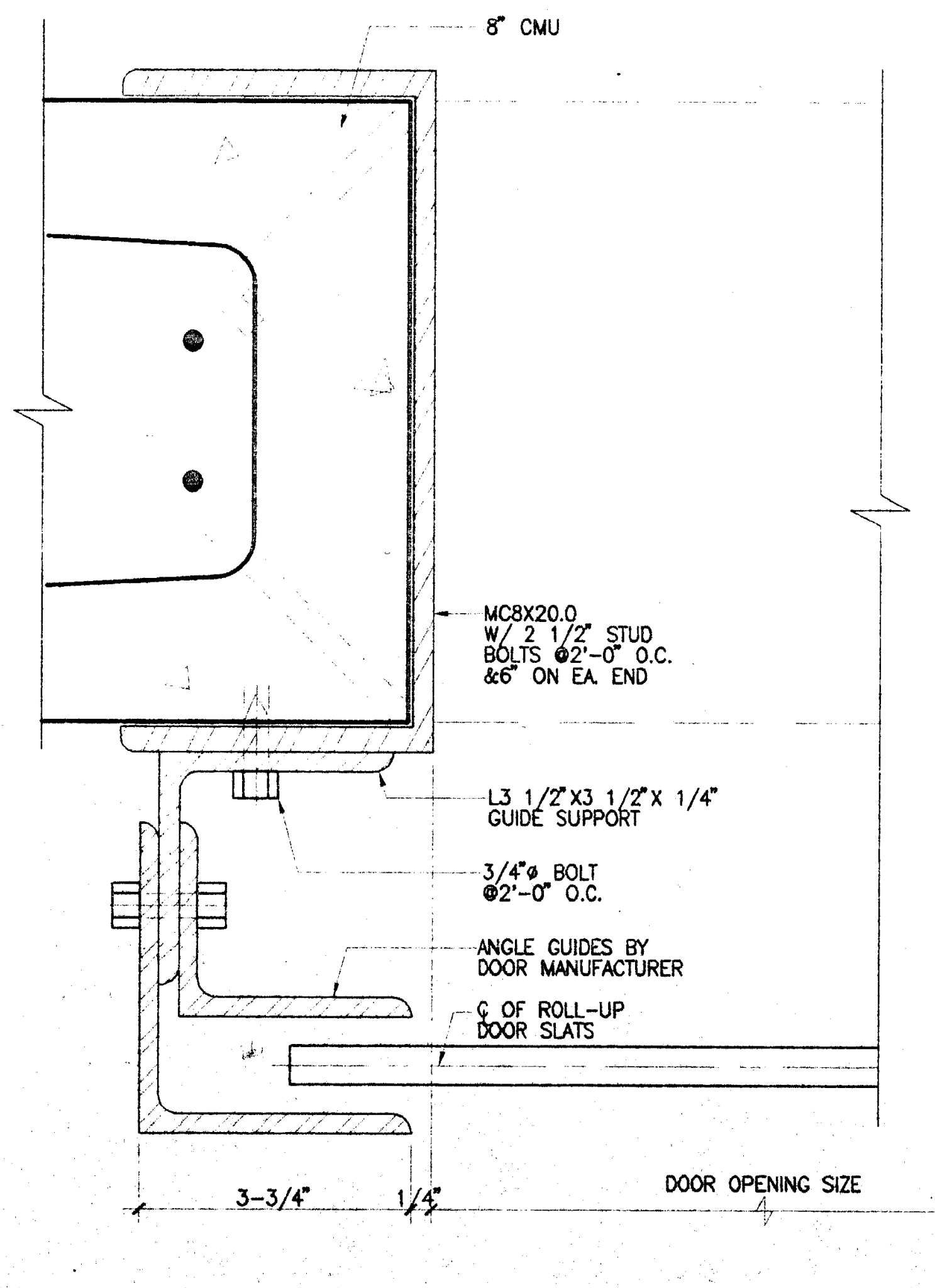

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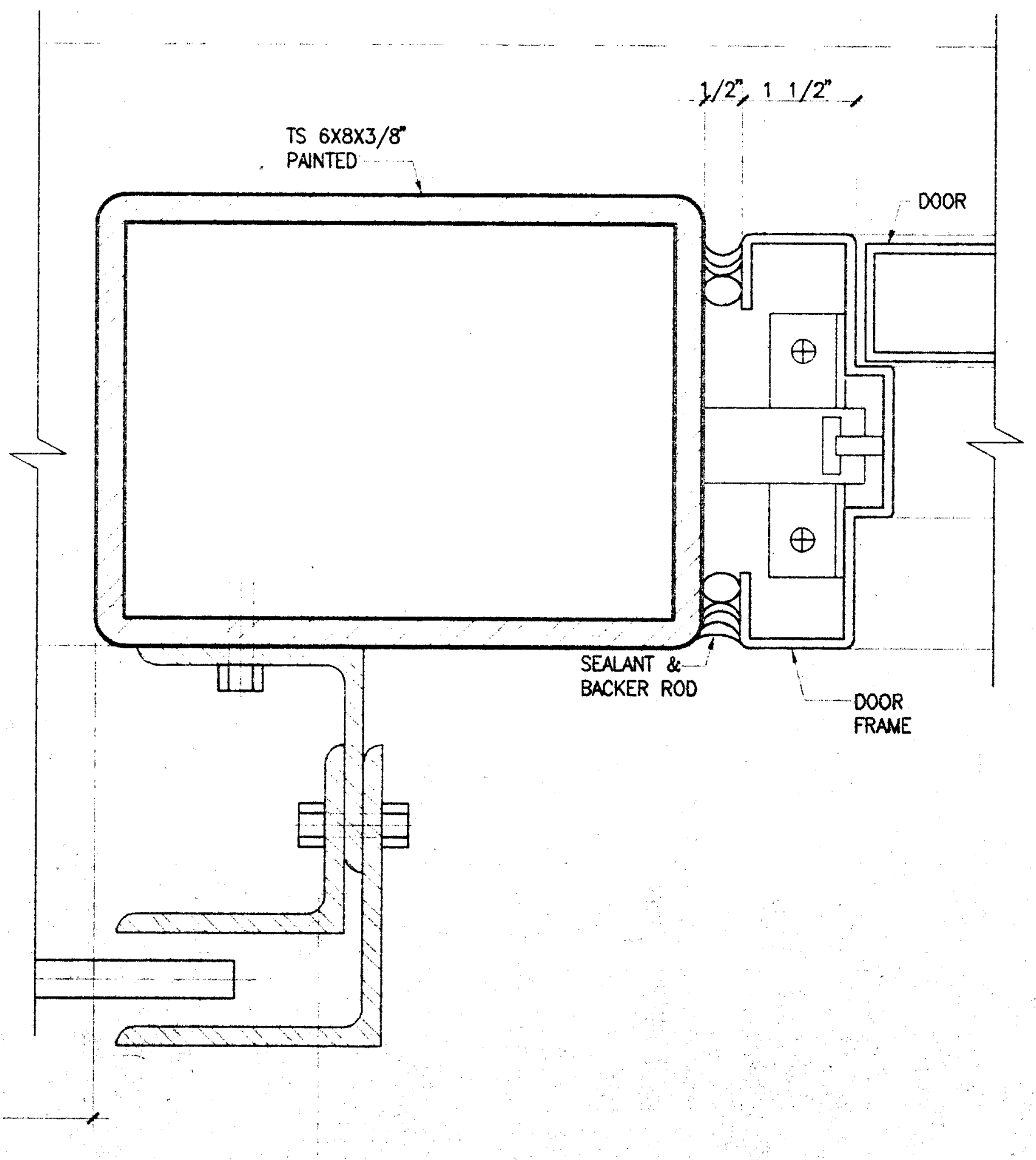
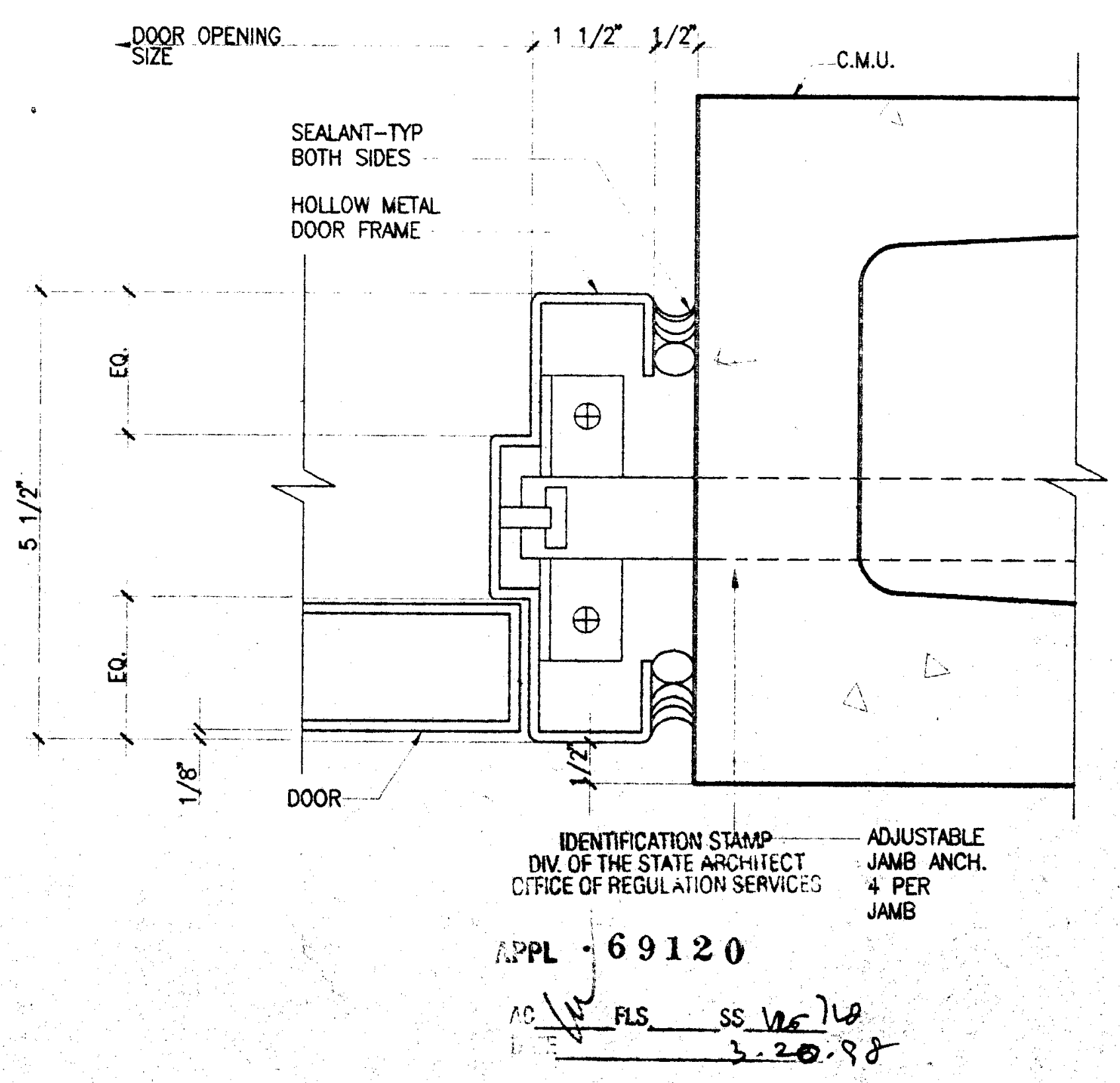


ROLL UP DOOR/DOOR JAMB HALF FULL 6 DE08001J A2.4



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3.20.98

TYPICAL DOOR JAMB • CMU WALL HALF FULL 3 DE08006C A2.4

PLOT DATE: 03.17.98

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CHECKED	JGM
APPROVED	JGM

CONSULTANT

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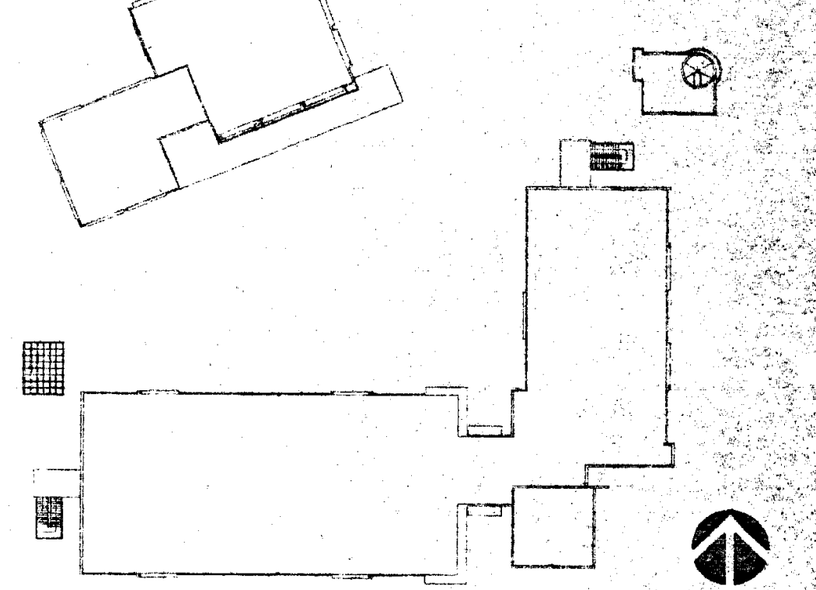
GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

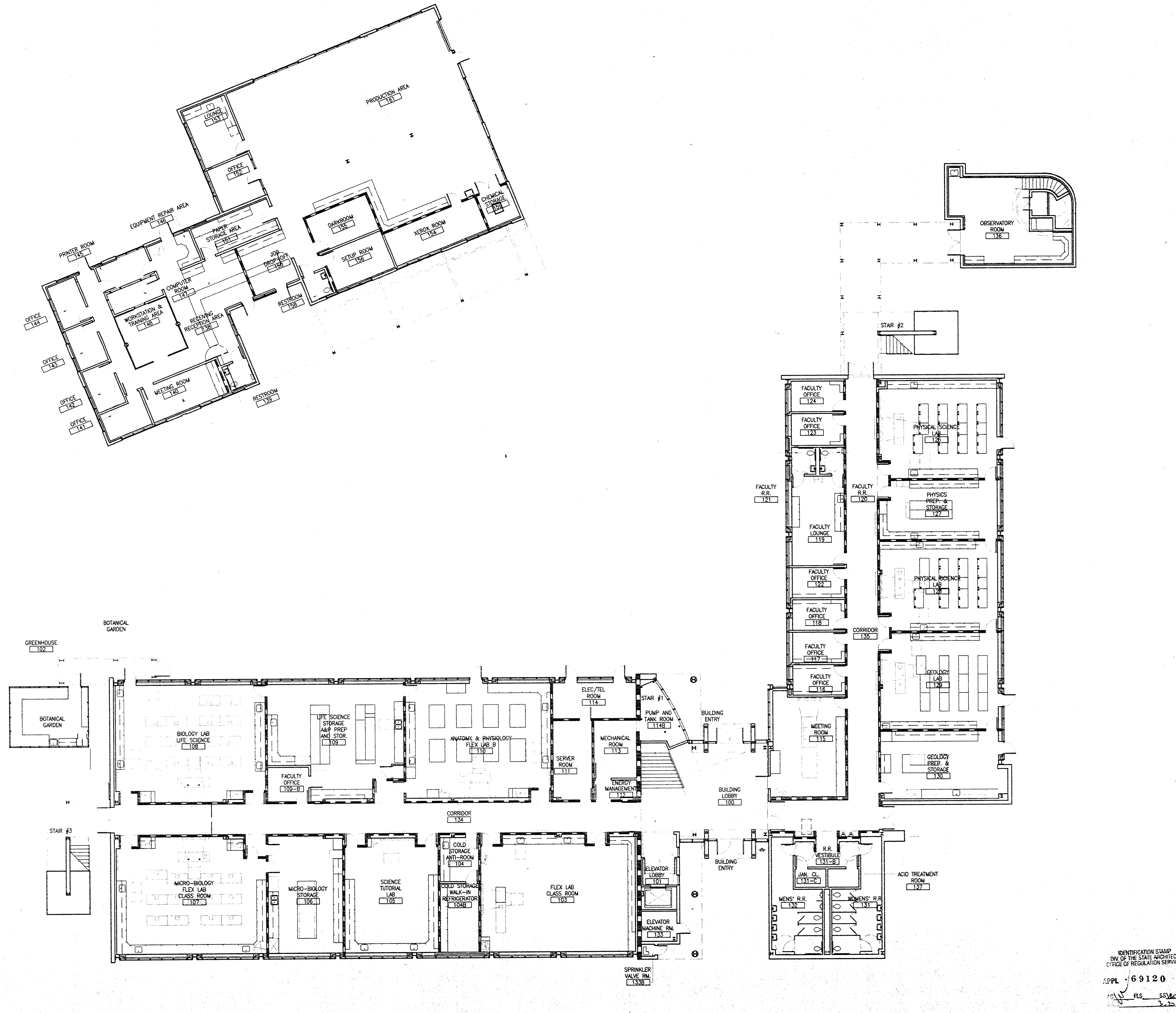
HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

DOOR AND OTHER MISCELLANEOUS DETAILS

FILE:	CMA7-06	SHEET NO.
SCALE	1/8"=1'-0"	A7.6
JOB NO.	JGM	
DATE	03.06.98	OF SHEETS



PLOT DATE: 02.20.98

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AC FLS SS
DATE 3-20-98

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ARCHITECTURE

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CHECKED *JGM*
APPROVED *JGM*

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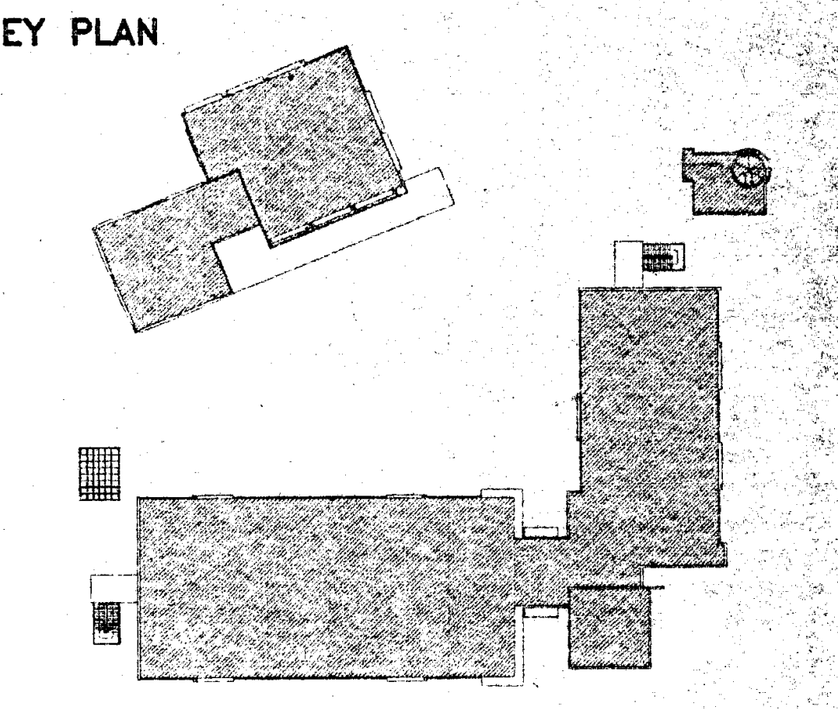
3-31-99

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

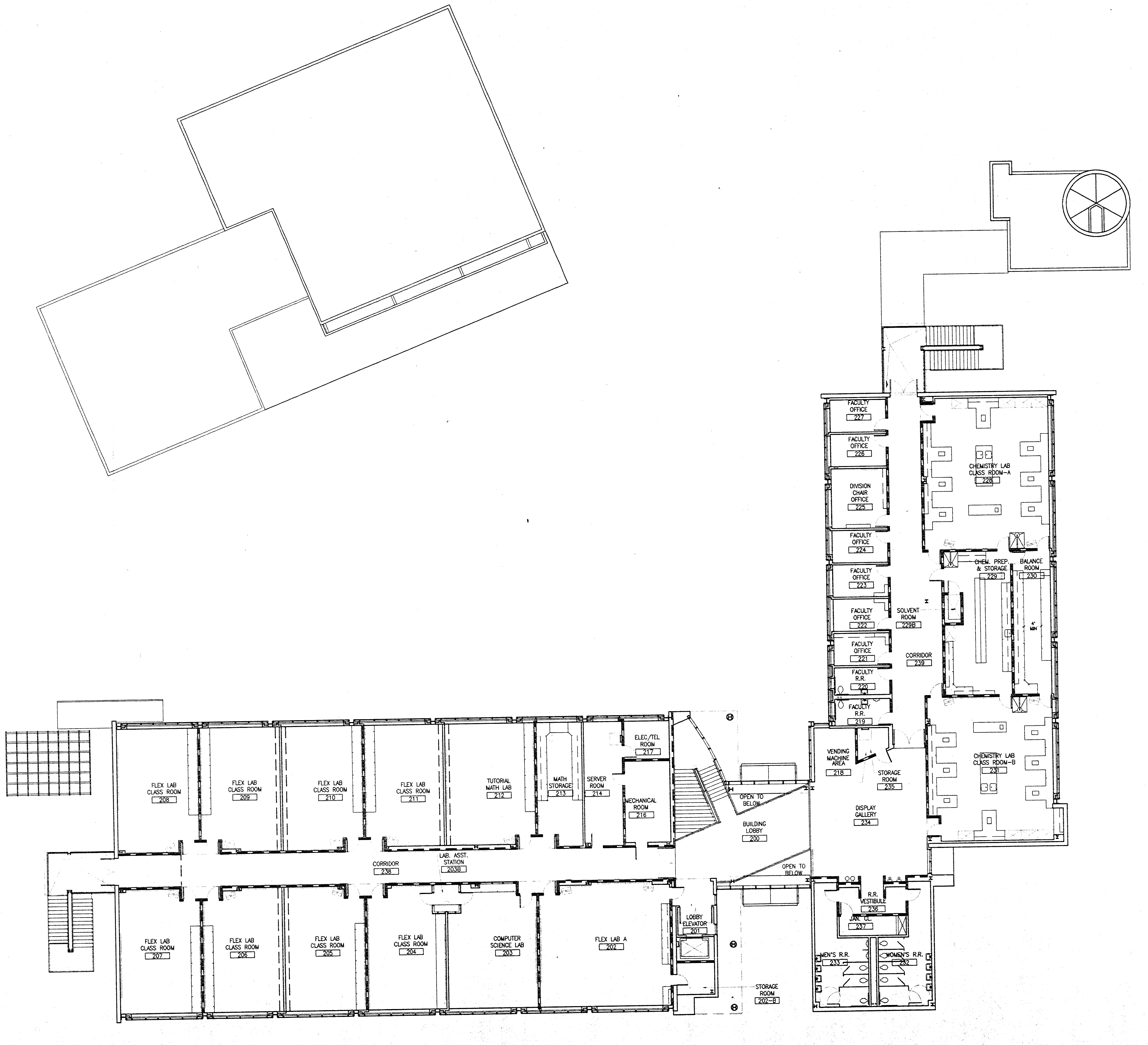
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

FIRST FLOOR GROUP I EQUIPMENT

FILE: *CMA8-01*
SCALE *3/32"=1'-0"*
JOB NO. *JGM*
DATE 02.20.98

SHEET NO.
A8.1
OF ____ SHEETS



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DATE 3.20.98

PLOT DATE: 02.20.98

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APPROVED JGM

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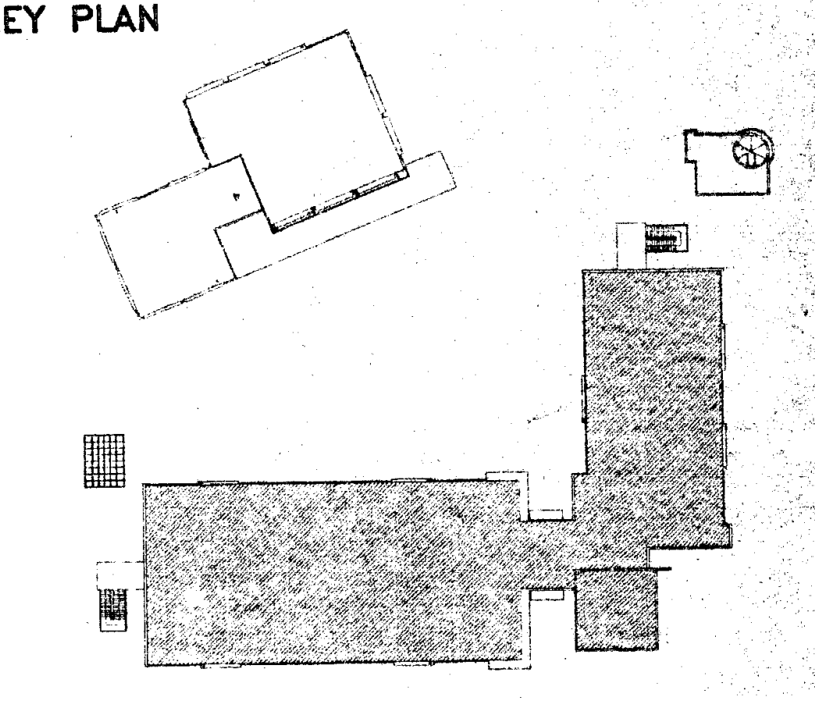
MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE
STATE OF CALIFORNIA

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

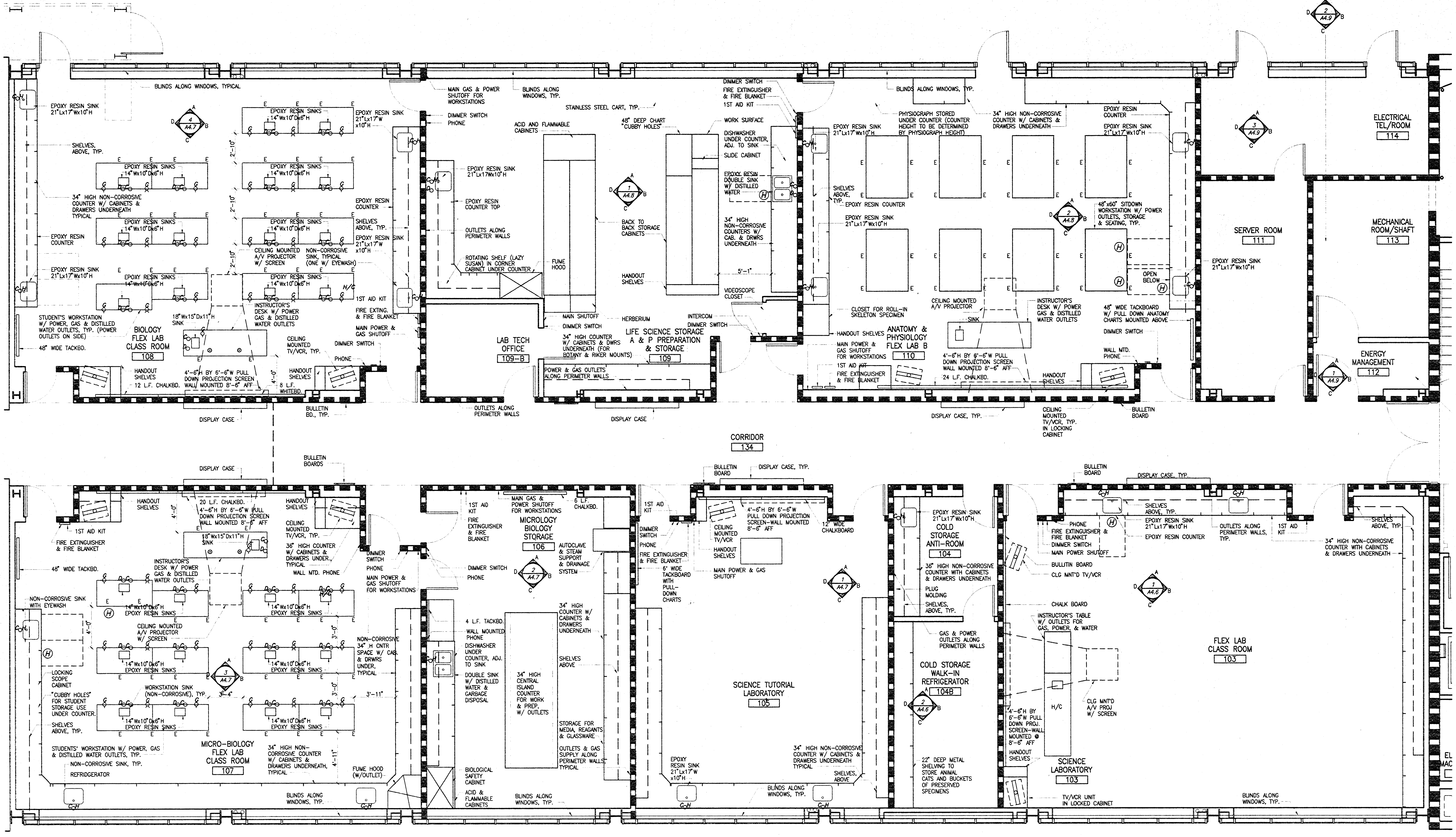
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

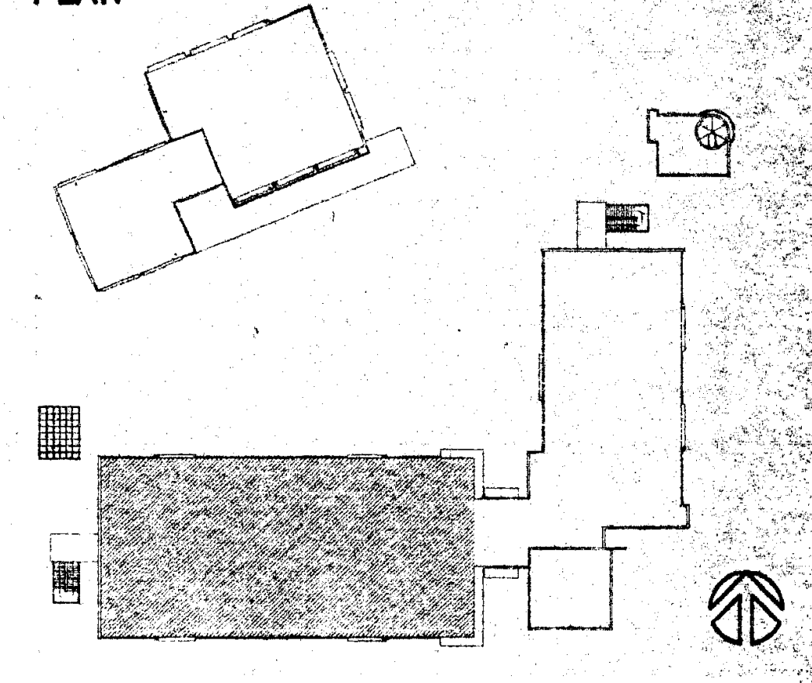
SHEET TITLE

SECOND FLOOR GROUP I EQUIPMENT

FILE:	CMA8-02
SCALE	3/32"=1'-0"
JOB NO.	JGM
DATE	02.20.98

SHEET NO.
A8.2
OF ______ SHEETS





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CHECKED	JGM
APPROVED	JGM

CONSULTANT

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MORRIS R POINDEXTER
C 13900
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RENEWAL DATE

GENERAL NOTES:

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

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1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

FIXTURE LEGEND FOR LAB CASEWORK

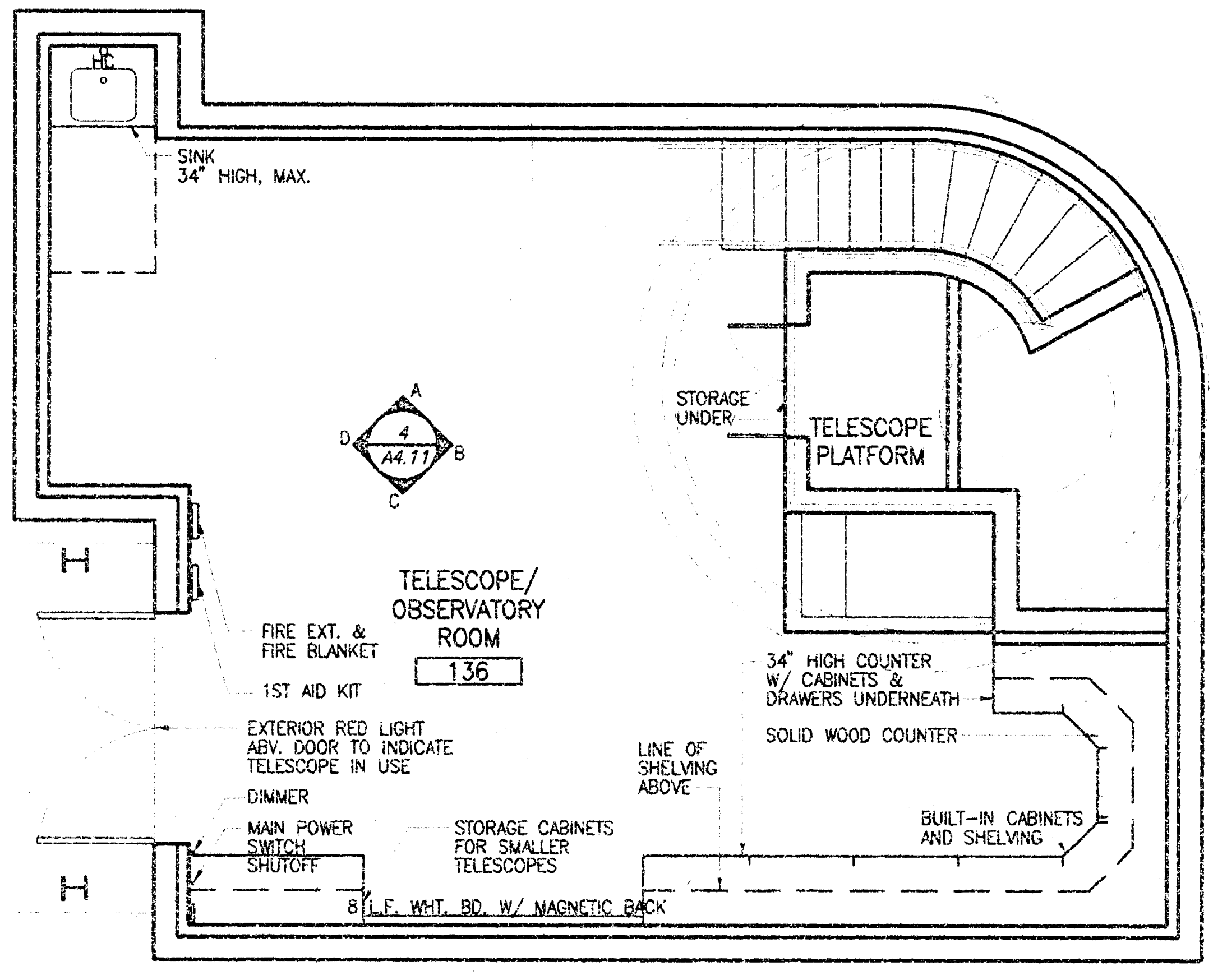
E – ELECTRICAL DUPLEX MOUNTED @ SIDE
Ⓗ – SPACE FOR HANDICAP STUDENT
§ – COUNTER MOUNTED GAS DUPLEX OUTLET
§ – COUNTER MOUNTED SINGLE GAS OUTLET
G – SIDE MOUNTED GAS DUPLEX OUTLET
G – SIDE MOUNTED SINGLE GAS OUTLET
C – COLD TAP WATER ONLY
D – DISTILLED (R.O.) WATER TAP
CH – HOT AND COLD TAP WATER
⊙ – UPRIGHT SUPPORT ROD MOUNTING HOLES.

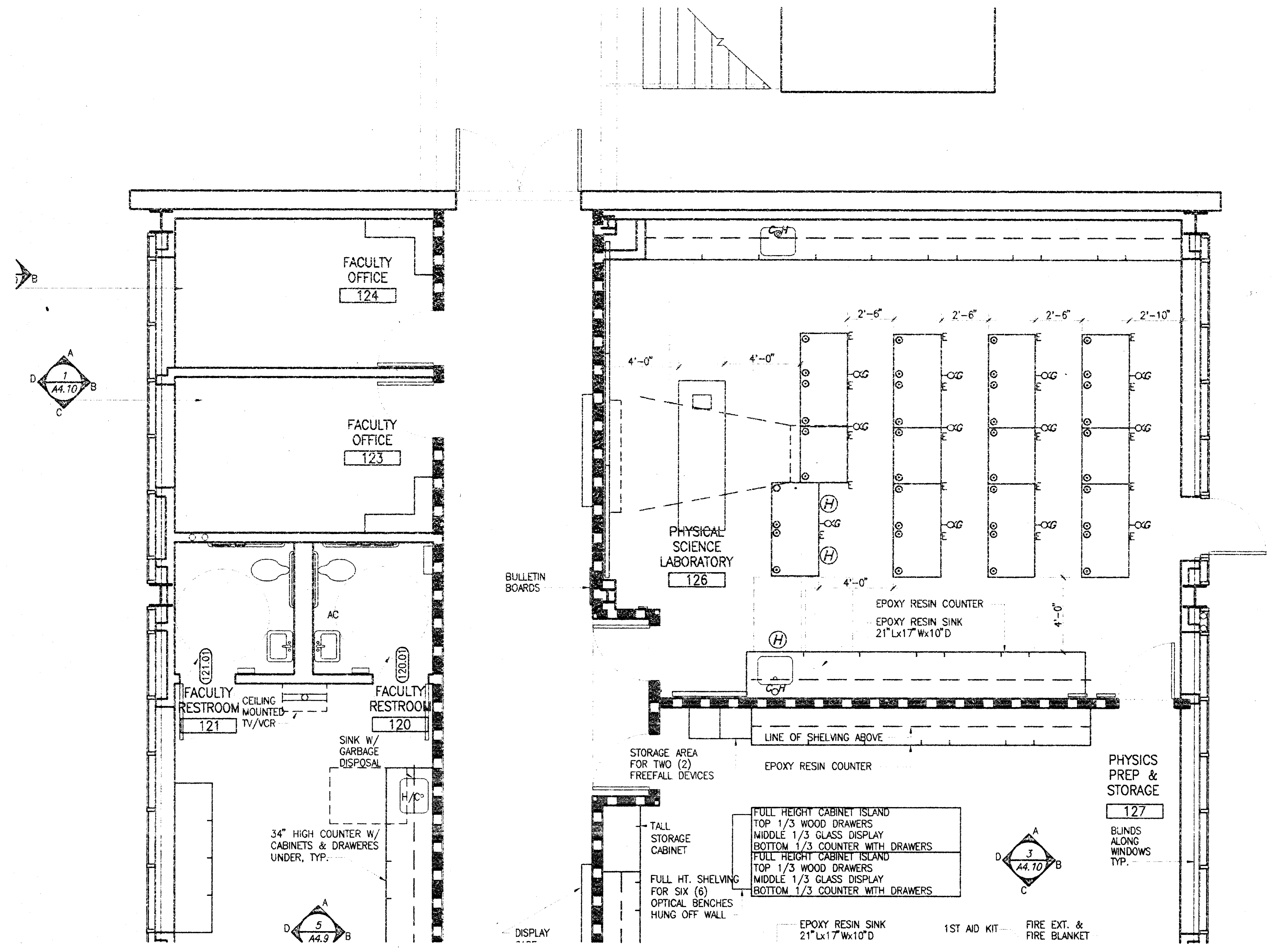
SHEET TITLE

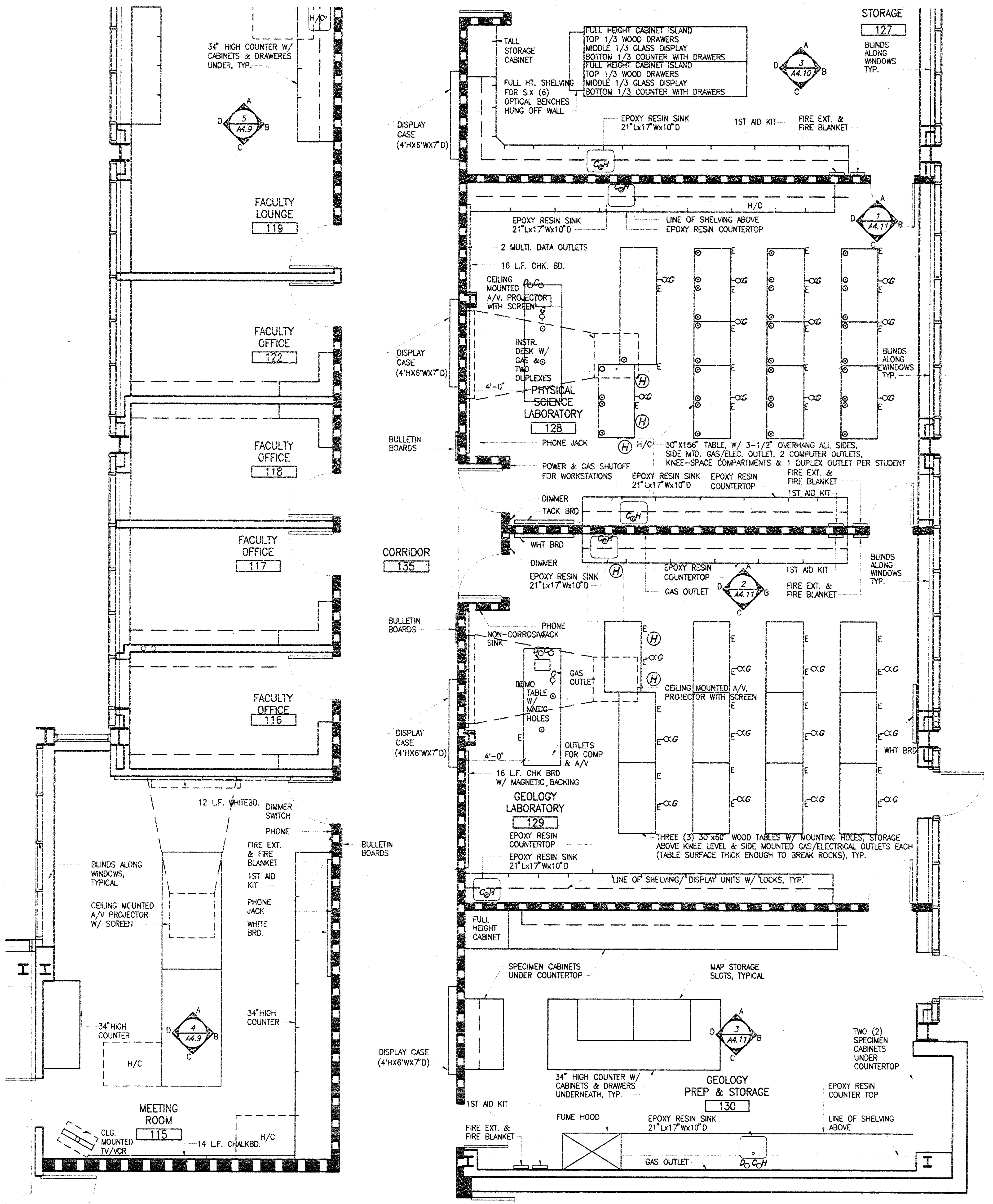
ENLARGED FIRST FLOOR GROUP I EQUIPMENT

FILE:	CMA8-03	SHEET NO.
SCALE	1/4"=1'-0"	A8.3
JOB NO.	JGM	
DATE	03.06.98	OF ____ SHEETS

PLOT DATE: 03.06.98







FIXTURE LEGEND FOR LAB CASEWORK

E – ELECTRICAL DUPLEX MOUNTED @ SIDE
Ⓗ – SPACE FOR HANDICAP STUDENT
COUNTER MOUNTED GAS DUPLEX OUTLET
COUNTER MOUNTED SINGLE GAS OUTLET
SIDE MOUNTED GAS DUPLEX OUTLET
SIDE MOUNTED SINGLE GAS OUTLET
Co – COLD TAP WATER ONLY
Do – DISTILLED (R.O.) WATER TAP
CoH – HOT AND COLD TAP WATER
⊙ – UPRIGHT SUPPORT ROD MOUNTING HOLES.

PLOT DATE: 03.06.98

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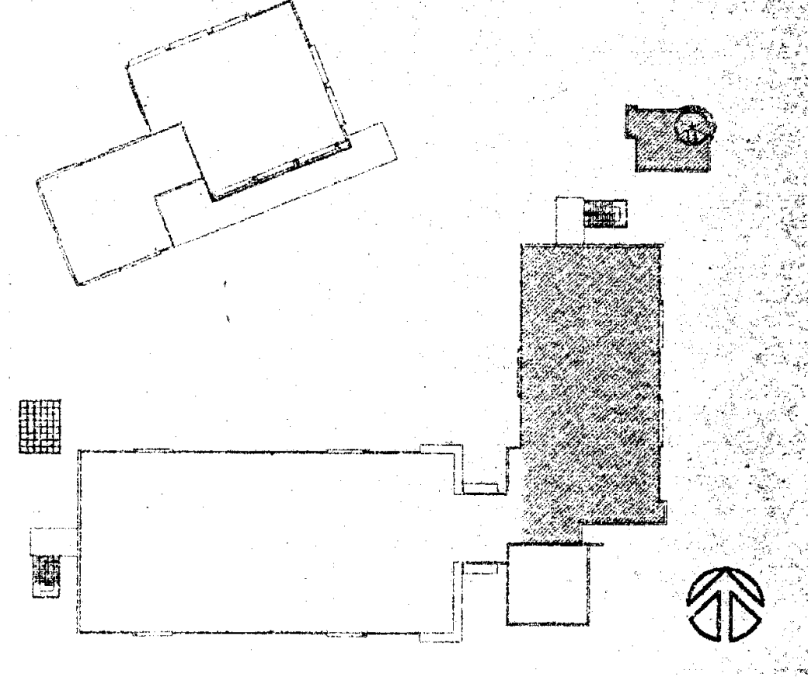
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

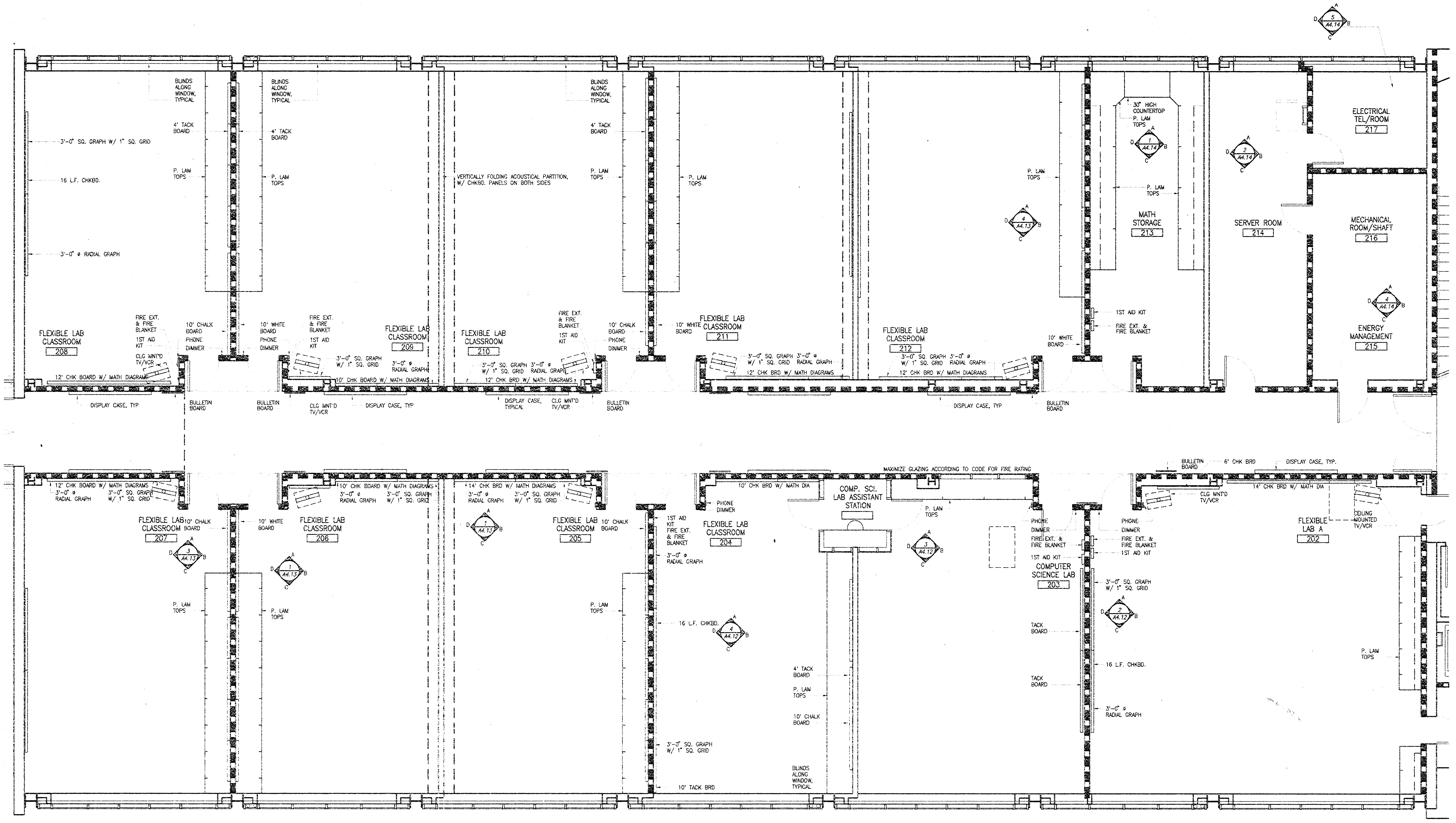
PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

ENLARGED
FIRST FLOOR
GROUP I EQUIPMENT

FILE:	CMA8-04	SHEET NO.
SCALE	1/4"=1'-0"	A8.4
JOB NO.	JGM	
DATE		OF ____ SHEETS



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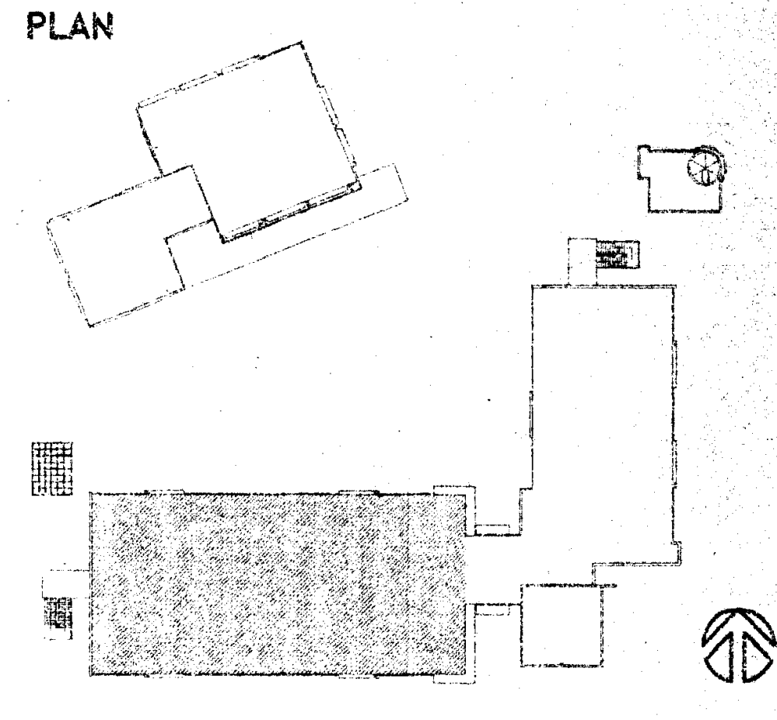
GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
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COMPTON, CALIFORNIA

SHEET TITLE

ENLARGED SECOND FLOOR GROUP I EQUIPMENT

FILE:	CMA8-05	SHEET NO.
SCALE	1/4"=1'-0"	A8.5
JOB NO.	JGM	
DATE		OF______SHEETS

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PLOT DATE: 03.06.98

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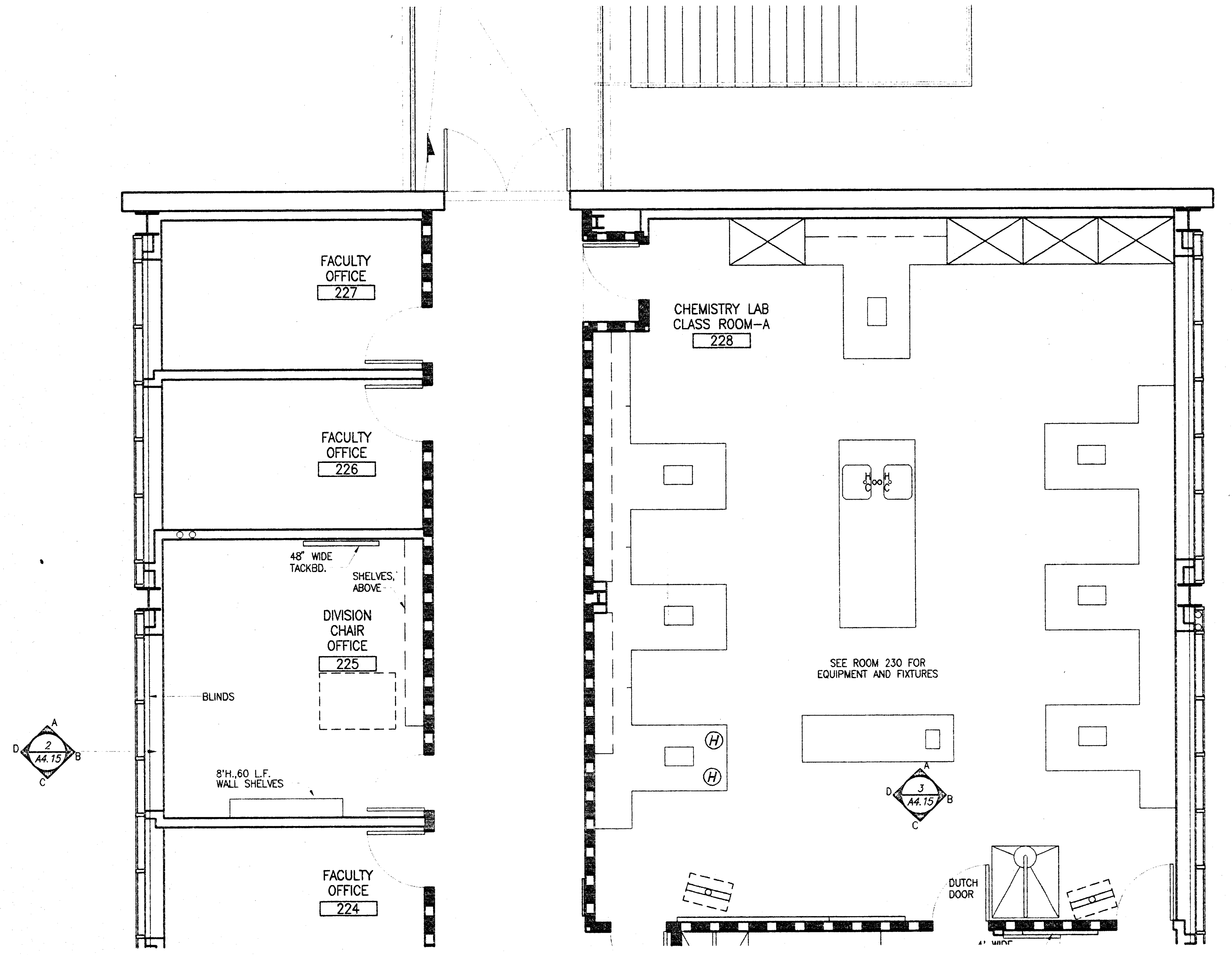

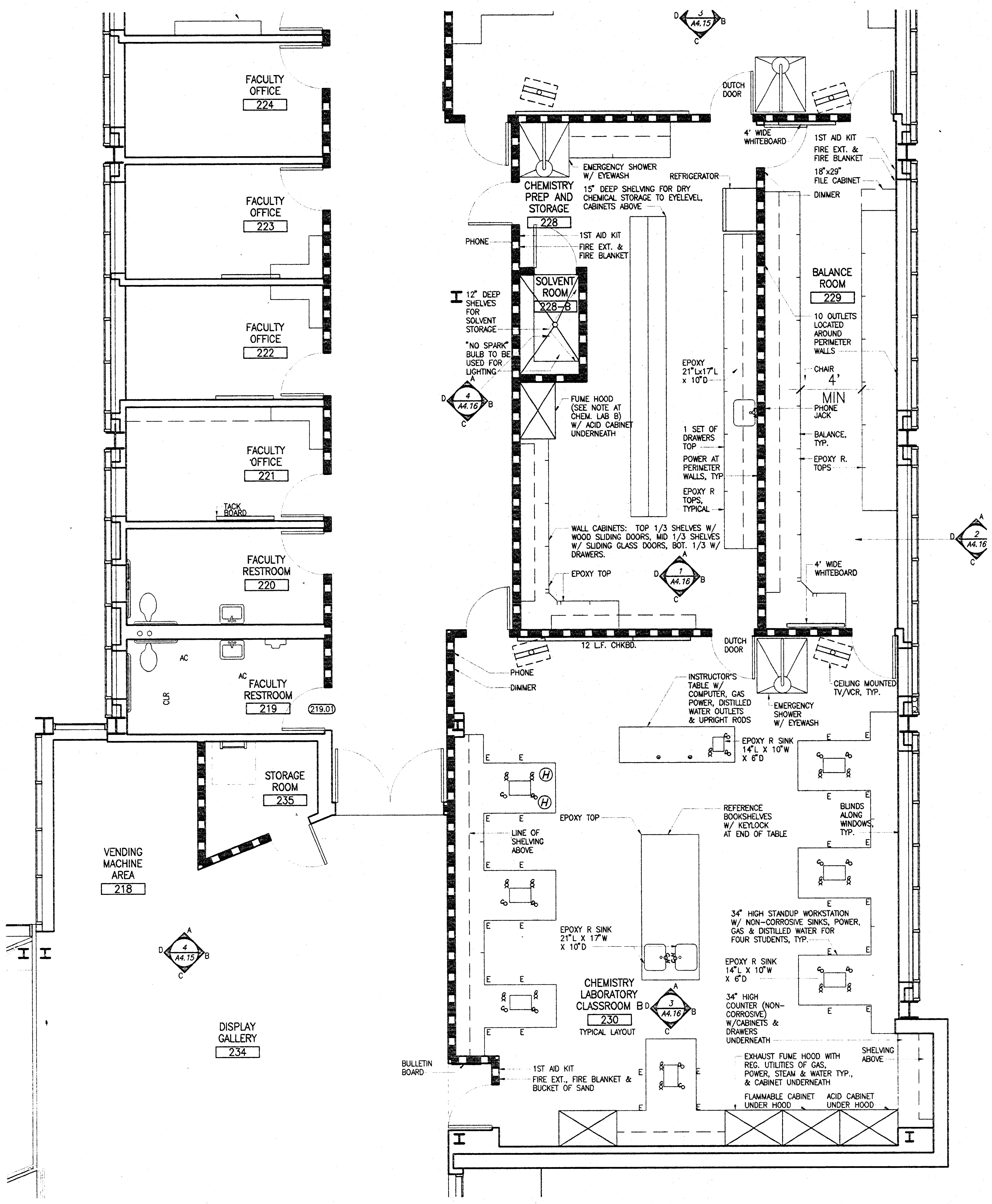

FIXTURE LEGEND FOR LAB CASEWORK

E – ELECTRICAL DUPLEX MOUNTED @ SIDE	$\overset{G}{\phi}$ – SIDE MOUNTED SINGLE GAS OUTLET
Ⓗ – SPACE FOR HANDICAP STUDENT	Co – COLD TAP WATER ONLY
$\overset{G}{\bowtie}$ – COUNTER MOUNTED GAS DUPLEX OUTLET	Do – DISTILLED (R.O.) WATER TAP
$\overset{G}{\phi}$ – COUNTER MOUNTED SINGLE GAS OUTLET	CoH – HOT AND COLD TAP WATER
$\bowtie$G – SIDE MOUNTED GAS DUPLEX OUTLET	⊙ – UPRIGHT SUPPORT ROD MOUNTING HOLES.

PLOT DATE: 03.06.98

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RENEWAL DATE

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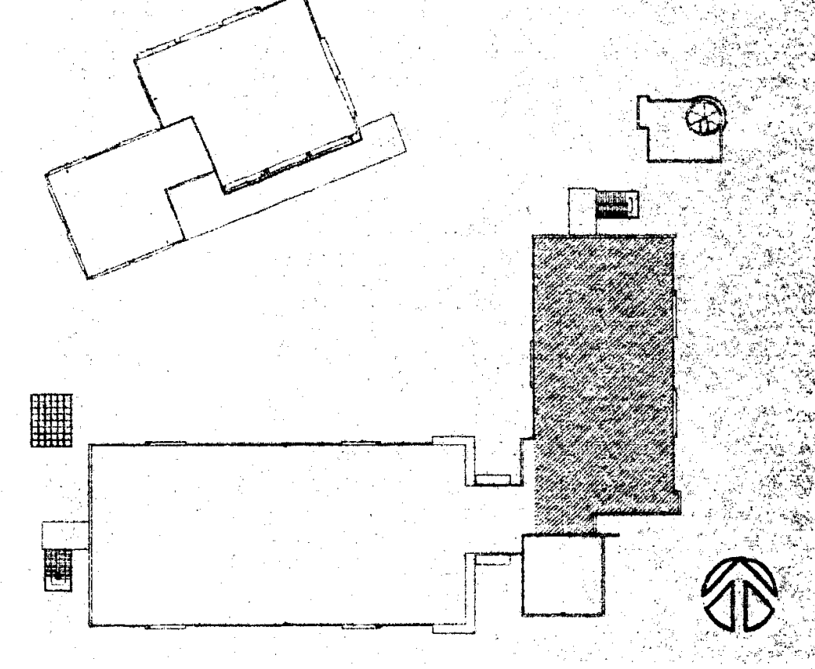
3-20-98

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

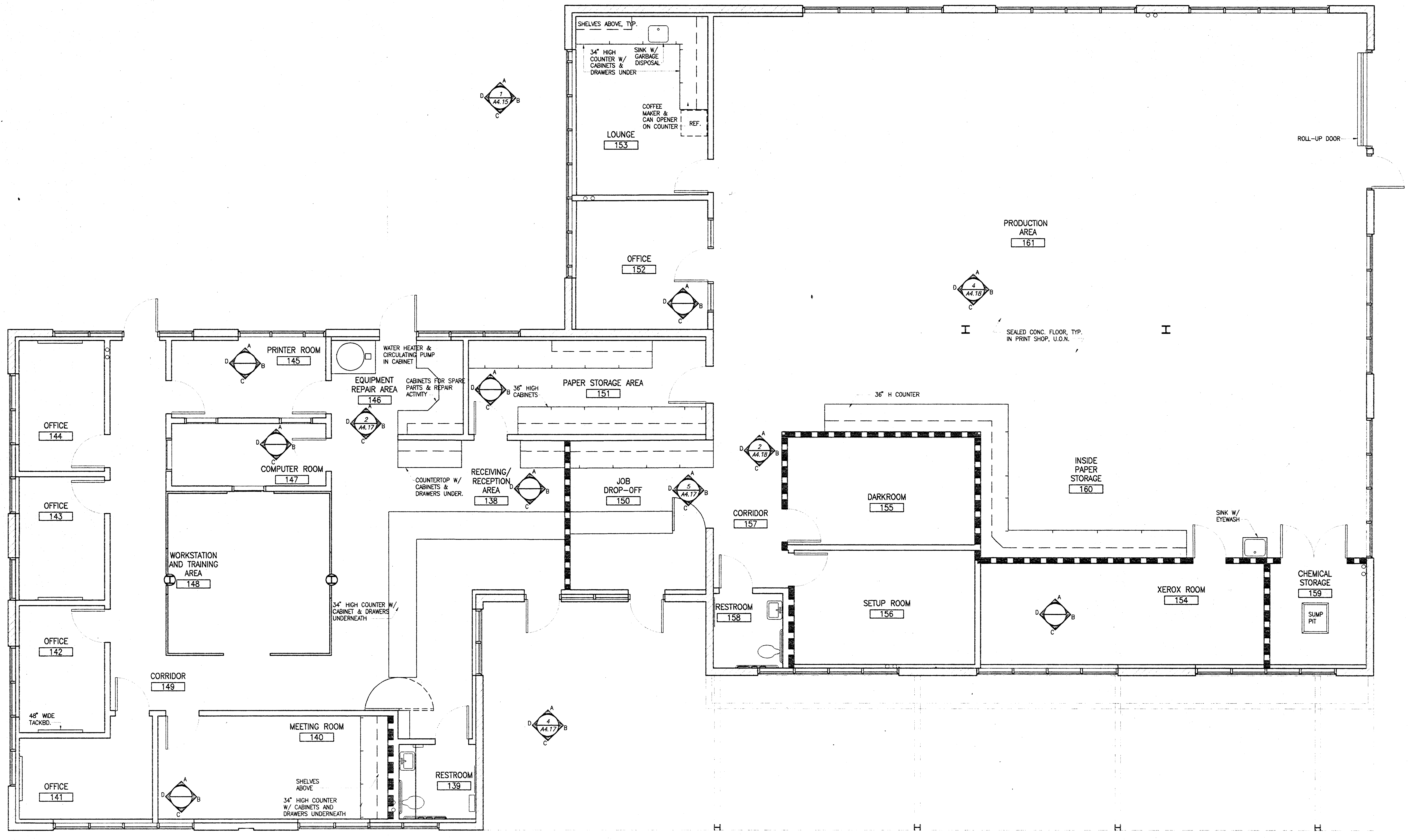
HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

ENLARGED SECOND FLOOR GROUP I EQUIPMENT

FILE: CMA8-06
SCALE 1/4"=1'-0"
JOB NO. JGM
DATE
SHEET NO. A8.6
OF ____ SHEETS



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL 69120

AC FLS SS
3-20-98

PLOT DATE: 02.20.98

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Architects • Engineers • Planners

5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721

PROGRAMMING
PLANNING
ARCHITECTURE

DRAWN
CHECKED *JGM*
APPROVED *JGM*

CONSULTANT

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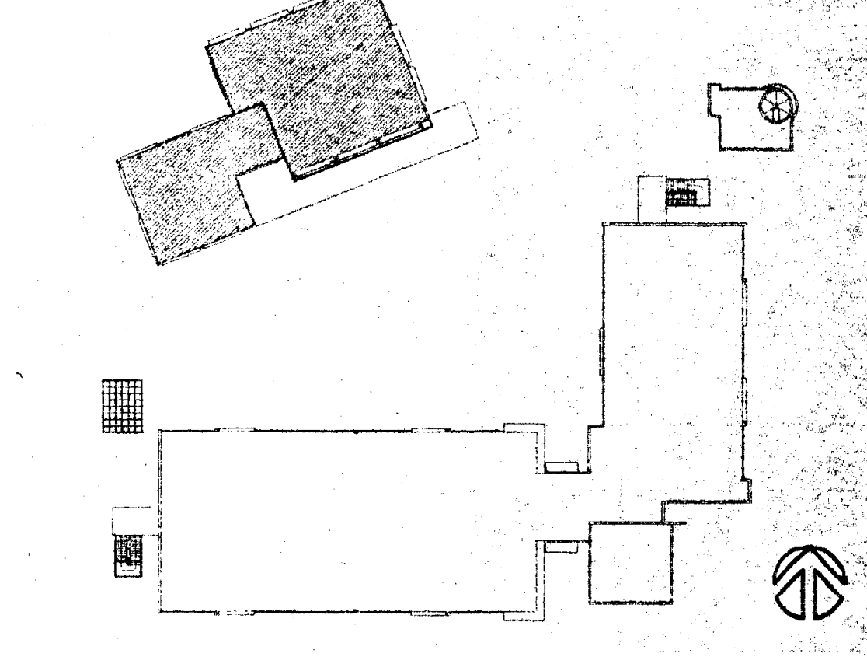
MORRIS R. POINDEXTER
C-13900
3-31-99

GENERAL NOTES:

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

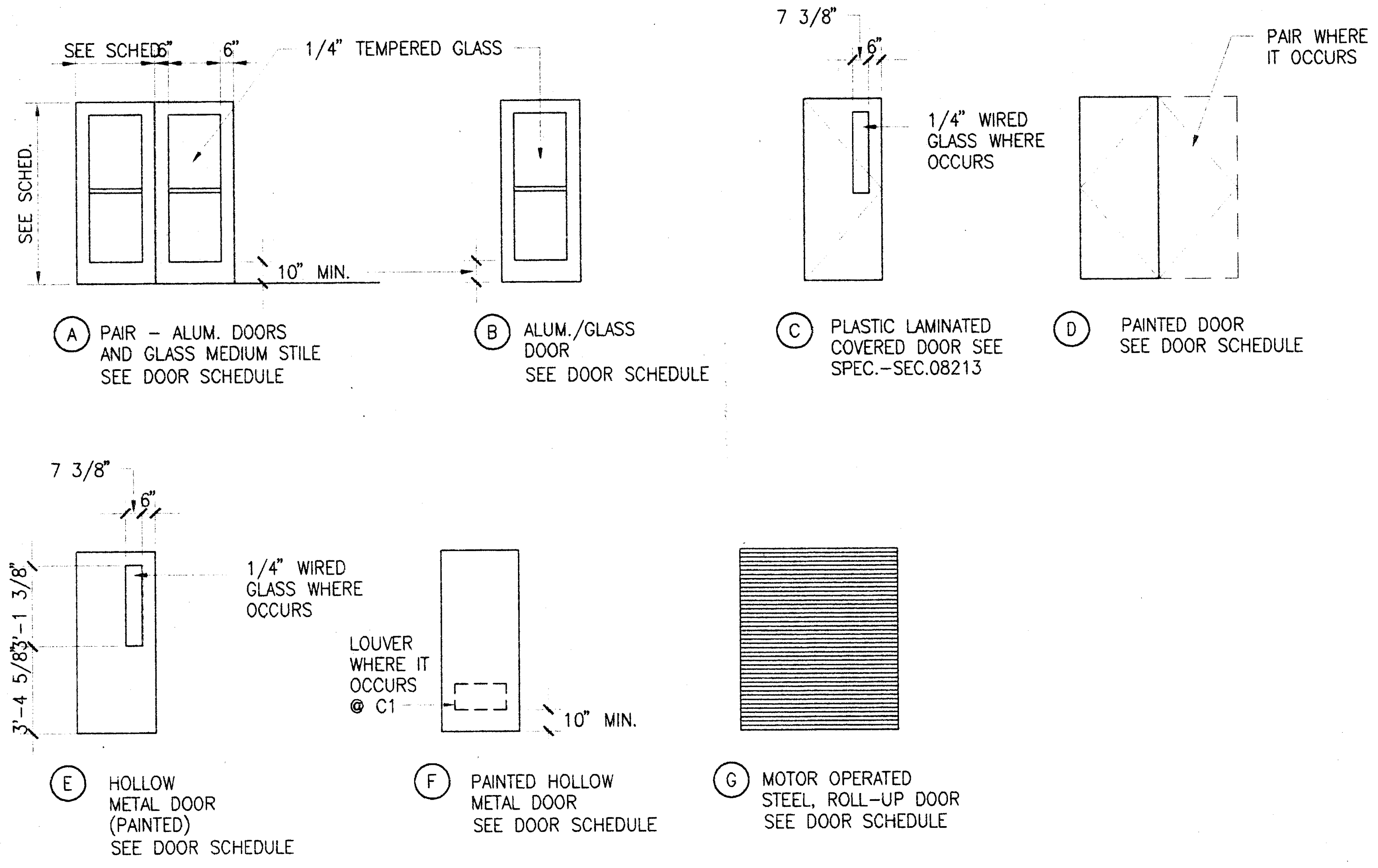
SHEET TITLE

ENLARGED M.I.S./PRINT SHOP BUILDING GROUP 1 EQUIPMENT

FILE: *CMA8-07*
SCALE *1/4"=1'-0"*
JOB NO. *JGM*
DATE

SHEET NO.
A8.7
OF ______ SHEETS

DOOR ELEVATIONS



DOOR SCHEDULE

FLOOR	DOOR NO.	ROOM NO.	DOOR W	DOOR H	DOOR THK	TYPE	MAT.	FINISH	GLASS	LOUVER W	LOUVER H	FRAME MAT.	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL JAMB	DETAIL SILL	U.L. RATING	HARDWARE SET	SECURITY	REMARKS
M.I.S./PRINTSHOP	138.01	138	3'-0"	7'-0"	1 3/4"	B	ALUM	PAINTED	YES			ALF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	8		
	139.01	139	3'-0"	7'-0"	1 3/4"	F	HMF	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	20		
	140.01	140	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	21		
	141.01	141	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	21		
	142.01	142	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	21		
	143.01	143	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	21		
	144.01	144	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	21		
	145.01	145	3'-0"	7'-0"	1 3/4"	D	ALUM	PAINTED	NO			ALF	PAINTED	7/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	8		
	145.02	145	3'-0"	7'-0"	1 3/4"	C	WD	–	–			HMF	–	7/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	16		
	146.01	146	3'-0"	7'-0"	1 3/4"	D	HMD	PAINTED	NO			ALF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	8		
	147.01	147	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	NR	6		
	148.01	148	3'-0"	7'-0"	1 3/4"	D	HMD	PAINTED	NO			ALF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	8		
	150.01	150	3'-0"	7'-0"	1 3/4"	B	ALUM	PAINTED	–			ALF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	8		
	151.01	151	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	16		
	151.02	151	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	3/4HR	16		
	152.01	152	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	NR	21		
	153.01	153	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	22		
	154.01	154	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	17		
	155.01	155	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	18		NO LITE
	156.01	156	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	16		
	158.01	158	3'-0"	7'-0"	1 3/4"	C	LM PAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	20		NO LITE
	159.01	159	6'-0"	7'-0"	1 3/4"	D	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	19		
	161.01	161	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	23		
	161.02	161	8'-0"	12'-0"	1 3/4"	G	HMD	PAINTED	–			HMF	PAINTED	14/A7.6	9/A7.6	9/A7.6	2/A7.6	NR	24		

PLOT DATE: 03.06.98

DOOR SCHEDULE

FLOOR	DOOR NO.	ROOM NO.	DOOR W	DOOR H	DOOR THK	TYPE	MAT	FINISH	GLASS	LOUVER W	LOUVER H	FRAME MAT	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL JAMB	DETAIL SILL	U.L. RATING	HARDWARE SET	SECURITY	REMARKS
FIRST FLOOR	100.01	100	7'-0"	7'-0"	1 3/4"	A	A/G	PAINTED	–			ALF	PAINTED	7/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	1		PAIR DOORS
	100.02	100	7'-0"	7'-0"	1 3/4"	A	A/G	PAINTED	–			ALF	PAINTED	7/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	1		PAIR DOORS
	101.01	101	8'-0"	7'-0"	1 3/4"	D	HMD	PAINTED	–			HMF	PAINTED	13/A7.6	10/A7.6	10/A7.6	2/A7.6	20MIN.	2		PAIR DOORS
	102.01	102	3'-0"	7'-0"	1 3/4"	B	–	–	–			–	–	7/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	4		
	103.01	103	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	103.02	103	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	104.01	104	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	6		
	104.02	104	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–				HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	6		TO BE SUPPLIED BY COLD STORAGE MFR
	105.01	105	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	105.02	105	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	106.01	106	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	7		
	106.02	106	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	7		
	107.01	107	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	107.02	107	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	108.01	108	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	108.02	108	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	108.03	108	3'-0"	7'-0"	1 3/4"	E	HMD	PAINTED	–			HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	20MIN	5		EXTERIOR
	109.01	109	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	7		
	109.02	109	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	7		
	109.03	109	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	7		
	109.04	109	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	109.05	109	3'-0"	7'-0"	1 3/4"	C	LM PLAS	PAINTED	NO			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	5		
	110.01	110	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	8		
	110.02	110	3'-0"	7'-0"	1 3/4"	E	HMD	PAINTED	WIRE			HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	1 HR	5		
	110.03	110	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	9		
	111.01	111	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–	30"	18"	HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	9		LOUVER
	112.01	112	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–	30"	18"	HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	9		LOUVER
	113.01	113	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–	30"	18"	HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	9		LOUVER
	114.01	114	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–	30"	18"	HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	10		LOUVER
	114.02	114	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–	30"	18"	HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	NR	10		LOUVER
	114.03	114	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	20MIN.	5		LOUVER
	115.01	115	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	115.02	115	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	116.01	116	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	117.01	117	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	118.01	118	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	119.01	119	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	120.01	120	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	11		WITHOUT GLASS
	121.01	121	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	11		WITHOUT GLASS
	122.01	122	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	123.01	123	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	124.01	124	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	126.01	126	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	1 HR	5		
	126.02	126	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED				HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	NR	8		
	127.01	127	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	127.02	127	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	5		
	127.03	127	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	128.01	128	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	128.02	128	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1 HR	5		
	129.01	129	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	5		
	129.02	129	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED				HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	NR	8		
	130.01	130	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN.	7		
	130.02	130	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED				HMF	PAINTED	7/A7.6	7/A7.6	7/A7.6	2/A7.6	NR	8		
	130.03	130	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	7		
	131.01	131	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	12		
	131.02	131	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	12		UNDERCUT
	132.01	132	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	12		
	132.02	132C	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	13		UNDERCUT
	133.01	133	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	10		
	133B.01	133B	2'-6"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	10		
	134.01	134	7'-8"	7'-2"	1 3/4"	A	A/G	PAINTED	–			ALF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	20MIN	3		
	134.02	134	7'-8"	7'-0"	1 3/4"	D	HMD	PAINTED	YES			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	1		FULL LITE-PAIR DOORS
	135.01	135	7'-8"	7'-0"	1 3/4"	A	A/G	PAINTED	YES			ALF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	3		
	135.02	135	7'-8"	7'-0"	1 3/4"	A1	A/G	PAINTED	YES			ALF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	1		FULL LITE-PAIR DOORS
	135.03	135	7'-8"	7'-0"	1 3/4"	D	HMD	PAINTED	YES			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	1		FULL LITE-PAIR DOORS
OBSERVATORY	136.01	136	6'-0"	7'-0"	1 3/4"	D	HMD	PAINTED	–			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	14		PAIR DOORS
SECOND FLOOR	201.01	201	8'-0"	7'-0"	1 3/4"	D	HMD	PAINTED	–			HMF	PAINTED	13/A7.6	10/A7.3	10/A7.6	2/A7.6	20MIN	2		
	202.01	202	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	202.02	202	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	3/4HR	7		
	202.03	202	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	203.01	203	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	203.02	203	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	YES	WIRE		ALF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	7		
	204.01	204	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	204.02	204	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	YES	WIRE		ALF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	NR	7		
	205.01	205	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	206.01	206	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	207.01	207	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	208.01	208	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	209.01	209	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	210.01	210	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	211.01	211	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	212.01	212	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	213.01	213	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	214.01	214	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	9		
	216.01	216	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	9		
	216.02	216	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	13		
	217.01	217	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	9		
	219.01	219	3'-0"	7'-0"	1 3/4"	D	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	11		WITHOUT GLASS
	220.01	220	3'-0"	7'-0"	1 3/4"	D	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	11		WITHOUT GLASS
	221.01	221	3'-0"	7'-0"	1 3/4"	C	LM PLAS	YES	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	222.01	222	3'-0"	7'-0"	1 3/4"	C	LM PLAS	YES	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	223.01	223	3'-0"	7'-0"	1 3/4"	C	LM PLAS	YES	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	224.01	224	3'-0"	7'-0"	1 3/4"	C	LM PLAS	YES	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	225.01	225	3'-0"	7'-0"	1 3/4"	C	LM PLAS	YES	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	226.01	226	3'-0"	7'-0"	1 3/4"	C	LM PLAS	YES	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	227.01	227	3'-0"	7'-0"	1 3/4"	C	LM PLAS	YES	WIRE			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	7		
	228.01	228	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1HR	5		
	228.02	228	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1HR	5		
	228.03	228	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	5		DUTCH DOOR
	228.04	228	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	5		
	229.01	229	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	5		
	229.02	229	3'-0"	7'-0"	1 3/4"	F	LM PLAS	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	5		
	230.01	230	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	9		
	231.01	231	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1HR	5		
	231.02	231	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	1HR	5		
	231.03	231	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	5		DUTCH DOOR
	231.04	231	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	5		
	232.01	232	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	12		
	233.01	233	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	3/4HR	12		
	235.01	235	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	9		
	236.01	236	3'-0"	7'-0"	1 3/4"	F	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	13		
	238.01	238	7'-8"	7'-0"	1 3/4"	A1	HMD	PAINTED	–			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	20MIN	3		PAIR DOORS
	238.02	238	7'-0"	7'-0"	1 3/4"	D	HMD	PAINTED	–			HMF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	1		FULL LITE-PAIR DOORS
	239.01	239	7'-8"	7'-0"	1 3/4"	A	HMD	PAINTED	–			HMF	PAINTED	4/A7.6	5/A7.6	5/A7.6	2/A7.6	20MIN	3		PAIR DOORS
	239.02	239	7'-0"	7'-0"	1 3/4"	D	HMD	PAINTED	YES			ALF	PAINTED	1/A7.6	3/A7.6	3/A7.6	2/A7.6	NR	1		FULL LITE-PAIR DOORS
	203.02	203	3'-0"	7'-0"	1 3/4"	C	LM PLAS	–	YES	WIRE		ALF	PAINTED					NR	7		

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RENEWAL DATE

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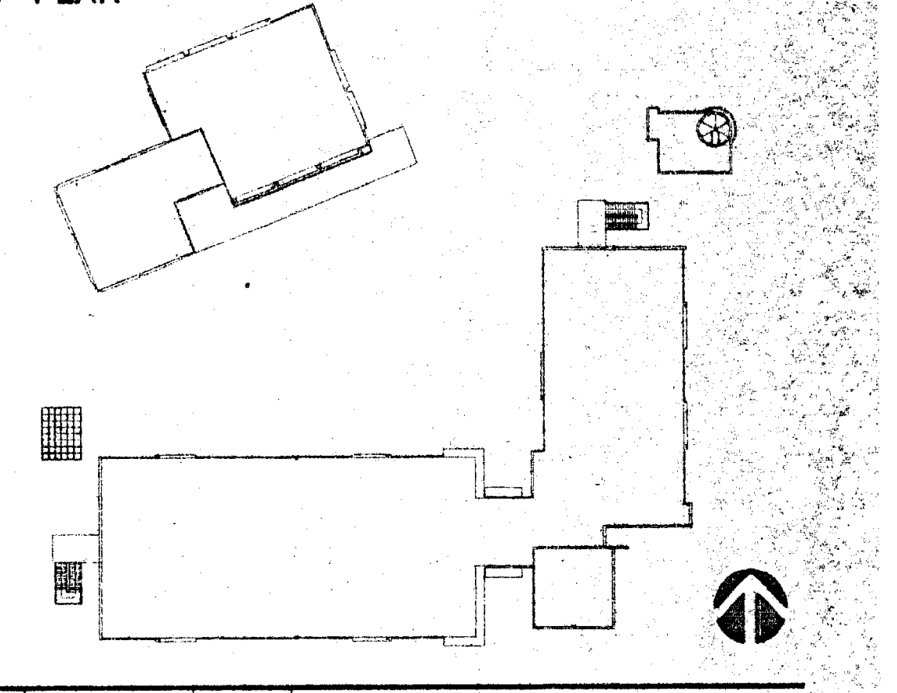

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

DOOR SCHEDULE

FILE: CMA9-01
SCALE 1/2"=1'-0"
JOB NO. JGM
DATE 03.06.98

SHEET NO.
A9.1
OF ______ SHEETS

ROOM FINISH SCHEDULE

	ROOM NO.	ROOM NAME	FLOOR		WALLS				CEILING		REMARKS
			BASE	FINISH	NORTH	EAST	SOUTH	WEST	HEIGHT	FINISH	
PRINT SHOP	138	RECEIVING/RECEPTION AREA	–	SEALED CONC	–	–	–	–	8'-0"	ACT	
	139	RESTROOM	TILE	TILE	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	140	MEETING ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	141	OFFICE	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	142	OFFICE	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	143	OFFICE	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	144	OFFICE	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	145	PRINTING ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	146	EQUIPMENT REPAIR AREA	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	147	COMPUTER ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	148	WORKSTATION & TRAINING AREA	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	149	CORRIDOR	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	150	JOB DROP-OFF	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	151	PAPER STORAGE AREA	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	152	OFFICE	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	153	LOUNGE	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	154	XEROX ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	155	DARKROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	156	SETUP ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	157	CORRIDOR	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	158	RESTROOM	TILE	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	159	CHEMICAL STORAGE	VINYL	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	160	INSIDE PAPER STORAGE	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	161	PRODUCTION AREA	VINYL	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	

	ROOM NO.	ROOM NAME	FLOOR		WALLS				CEILING		REMARKS
			BASE	FINISH	NORTH	EAST	SOUTH	WEST	HEIGHT	FINISH	
MATH/SCIENCE FIRST FLOOR	100	BUILDING LOBBY	TERAZZO	TERAZZO	CW	GYP BD	GYP BD	GYP BD	–	–	
	101	LOBBY ELEVATOR	TERAZZO	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	GYP BD	
	103	FLEX LAB CLASS ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	104	COLD STORAGE-ANTI ROOM	–	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	GYP BD	
	104B	COLD STORAGE-WALKIN REFRG	VINYL	STONE HARD	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	BY MFR	
	105	SCIENCE TUTORIAL LAB	VINYL	STONE HARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	106	MICRO-BIOLOGY STORAGE	VINYL	STONE HARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	107	MICRO-BIOLOGY FLEX LAB RM.	VINYL	STONE HARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	108	BIOLOGY LAB LIFE SCIENCE	VINYL	STONE HARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	109	LIFE SCIENCE STOR. A&P PREP	VINYL	STONE HARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	110	ANATOMY & PHYSIOLOGY LAB	VINYL	STONE HARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	111	SERVER ROOM	VINYL	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	112	ENERGY MANAGEMENT	VINYL	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	GYP BD	
	113	MECHANICAL ROOM	VINYL	SEALED CONC	GYP BD	BLK	GYP BD	GYP BD	–	NF	
	113A	WATER FILTER/PUMP ROOM	VINYL	SEALED CONC	GLASS	GLASS	GYP BD	CONC BLK	VARIES	GYP BD	
	114	ELEC/TEL ROOM	VINYL	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	–	NF	
	114B	PUMP AND TANK ROOM	VINYL	SEALED CONC	–	GLASS	GYP BD	CONC BLK	VARIES	EXPOSED	
	115	MEETING ROOM	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	116	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	117	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	118	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	119	FACULTY LOUNGE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	120	FACULTY R.R.	VINYL		–	–	–	–	8'-0"	ACT	
	121	FACULTY R.R.	VINYL		–	–	–	–	8'-0"	ACT	
	122	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	123	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	124	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	126	PHYSICAL SCIENCE LAB	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	127	PHYSICS PREP. & STORAGE	VINYL	STONEHARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	128	PHYSICAL SCIENCE LAB	VINYL	STONEHARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	129	GEOLOGY LAB	VINYL	STONEHARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	130	GEOLOGY PREP. & STORAGE	VINYL	STONEHARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	131	WOMEN'S R.R.	TILE	TILE/CERAMIC	TILE	TILE	TILE	TILE	8'-0"	GYP BD	TILE TO CEILING HEIGHT
	131B	R.R. VESTIBULE	VINYL	VCT	–	GYP BD	GYP BD	GYP BD	8'-0"	GYP BD	
	131C	JANITOR'S CLOSET	VINYL	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	GYP BD	
	132	MEN'S R.R.	TILE	TILE/CERAMIC	TILE	TILE	TILE	TILE	8'-0"	GYP BD	TILE TO CEILING HEIGHT
	133	ELEVATOR MACHINE ROOM	VINYL	SEALED CONC	GYP BD	BLK	BLK	BLK	8'-0"	GYP BD	
	133B	SPRINKLER VALVE ROOM	CONC	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	EXPOSED	
	134	CORRIDOR	–	VCT	GYP BD	BLK	BLK	BLK	8'-0"	ACT	
	135	CORRIDOR	–	VCT	GYP BD	BLK	BLK	BLK	8'-0"	ACT	
		ALCOLVE, TYP.	–	VCT	GYP BD	BLK	BLK	BLK	10'-0"	GYP BD	
		VESTIBULE	–	–	–	–	–	–	10'-0"	GYP BD	
	137	ACID TREATMENT	VINYL	–	–	–	–	–	8'-0"	GYP BD	
MATH/SCIENCE SECOND FLOOR	200	BUILDING LOBBY	TERAZZO	TERAZZO	CW	–	CW	BLK	12'-0"	GYP BD	
	201	LOBBY ELEVATOR	VINYL	VCT	–	–	–	–	12'-0"	GYP BD	
	202	FLEX LAB A	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	202B	STORAGE	VINYL	SEALED CONC	CONC BLK	CONC BLK	CONC BLK	CONC BLK	8'-0"	GYP BD	
	203	COMPUTER SCIENCE LAB	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	203A	COMPUTER SCIENCE LAB	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	203B	COMP. SCI. LAB ASST. STATION	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	204	FLEX LAB CLASS ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	205	FLEX LAB CLASS ROOM	VINLY	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	206	FLEX LAB CLASS ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	207	FLEX LAB CLASS ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	208	FLEX LAB CLASS ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	209	FLEX LAB CLASS ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	210	FLEX LAB CLASS ROOM	VINYL	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	211	FLEX LAB CLASS ROOM	VINYL	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	212	TUTORIAL MATH LAB	VINLY	VCT	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	213	MATH STORAGE	VINLY	VCT	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	214	SERVER ROOM	VINYL	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	GYP BD	
	216	MECHANICAL ROOM	VINYL	SEALED CONC	GYP BD	BLK	GYP BD	GYP BD	–	NF	
	217	ELEC/TEL ROOM	VINYL	SEALED CONC	GYP BD	BLK	GYP BD	GYP BD	–	NF	
	218	VENDING MACHINE AREA	VINYL	VCT	GYP BD	BLK	–	GLASS	8'-0"	GYP BD	
	219	FACULTY R.R.	TILE	TILE/CERAMIC	GYP BD	BLK	–	GYP BD	8'-0"	GYP BD	
	220	FACULTY R.R.	TILE	TILE/CERAMIC	GYP BD	BLK	–	GYP BD	8'-0"	GYP BD	
	221	FACULTY R.R.	TILE	TILE/CERAMIC	GYP BD	BLK	–	GYP BD	8'-0"	ACT	
	222	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	223	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	224	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	225	DIVISION CHAIR OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	226	FACULTY OFFICE	VINYL	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	227	FACULTY OFFICE	VINLY	CARPET	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	ACT	
	228	CHEMISTRY LAB CLASS ROOM A	VINYL	STONEHARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	229	CHEM. PREP. & STOR.	VINYL	STONEHARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	230	BALANCE ROOM	VINYL	STONEHARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	231	CHEMISTRY LAB CLASS ROOM B	VINYL	STONEHARD	GYP BD	GYP BD	GYP BD	GYP BD	12'-0"	ACT	
	232	WOMEN'S R.R.	TILE	CERAMIC TILE	TILE	TILE	TILE	TILE	8'-0"	GYP BD	TILE TO CEILING HEIGHT
	233	MEN'S R.R.	TILE	CERAMIC TLE	TILE	TILE	TILE	TILE	8'-0"	GYP BD	TILE TO CEILING HEIGHT
	234	DISPLAY GALLERY	TERAZZO	TERAZZO	–	GYP BD	GYP BD	–	12'-0"	GYP BD	
	235	STORAGE	VINYL	SEALED CONC	GYP BD	GYP BD	GYP BD	GYP BD	8'-0"	GYP BD	
	238	CORRIDOR	VINYL	VCT	GYP BD	–	–	–	8'-0"	ACT	
	239	CORRIDOR	VINYL	VCT	–	–	–	–	8'-0"	ACT	
		ALCOLVE, TYP	VINYL	VCT	–	–	–	–	10'-0"	GYP BD	

PLOT DATE: 02.20.98

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CHECKED JGM
APPROVED JGM

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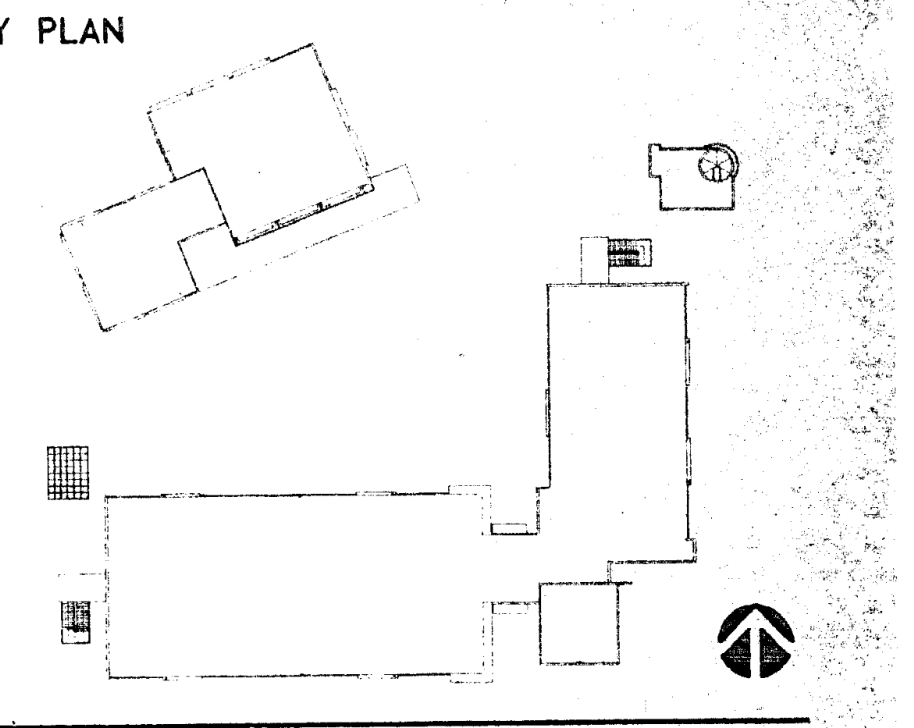
SEAL

LICENSED ARCHITECT
MORRIS R. POINDEXTER
C-13300
2-31-99
RENEWAL DATE
STATE OF CALIFORNIA

GENERAL NOTES:

1. ALL INTERIOR FINISHES USED IN THIS BUILDING WILL MEET ALL THE REQUIREMENTS OF THE 1994 U.B.C. CHAPTER 8 FOR SURFACE BURNING CHARACTERISTICS.

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

ROOM FINISH SCHEDULE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL - 69120
AC FLS SS 140
3-20-98

FILE: CMA9-02
SCALE 1/2"=1'-0"
JOB NO. JGM
DATE 02.20.98

SHEET NO.
A9.2
OF ______ SHEETS

GENERAL NOTES

a. Any modification of or changes in approved grading plans must be approved by the Building Official.

b. All grading and construction shall conform to Chapters 70 and 71 of the Los Angeles Building Code unless specifically noted on these plans.

c. All graded sites must have drainage swales, berms, and other drainage devices prior to approval of rough grading (Section 7020(c) of the Building Code.)

d. A copy of the grading permit and approved grading plans must be in the possession of a responsible person and available at the job site at all times.

e. The Field Engineer must set drainage stakes for all drainage devices.

f. All storm drain work is to be done under continuous inspection by the Field Engineer. Weekly status reports shall be submitted by the Field Engineer to the local Building and Safety District Office.

g. Final grading must be approved before occupancy of buildings will be allowed. (Section 307(a) of the Building Code.)

h. Comply with Chapter 22.56 of Planning and Zoning Code by showing locations of all Oaks Trees on the grading plan and obtaining the appropriate permit.

i. Separate plans for temporary drainage and erosion control measures to be used during the rainy season must be submitted prior to October 1. The erosion control devices shown on said plans must be installed by no later than November 1 and maintained by in operable condition until April 15 of the following year, and before any anticipated rain.

j. Every effort should be made to eliminate the discharge of non–stormwater from the project site at all times.

k. Roof drainage must be diverted from graded slopes. (Section 7018(f) of the Building Code.)

l. A NPDES permit from the Regional Water Quality Control Board is required before any discharge of non–stormwater into the storm drain is allowed.

FILL NOTES

a. Fill shall be compacted throughout their full extent to a minimum of 90 percent of maximum dry density as determined by the A.S.T.M. Soil Compaction Test D1557–78, Method "D", where applicable: Where not applicable, a test acceptable to the building code official shall be used. (Section 7016(a) if the Building Code.)

b. Field density shall be determined by a method acceptable to the building official. (Section 7016(a) of the Building Code.)

c. Sufficient tests of the fill soils shall be made to determine the relative compaction of the fill in accordance with the following minimum guidelines:

   1. One test for each two foot vertical lift.
   2. One test for each 1000 cubic yards of material placed.
   3. One test at the location of the final fill slope for each building site (lot) in each four vertical lift or portion thereof.
   4. One test in the vicinity of each building pad for each four foot lift or portion thereof.

d. Sufficient tests of fill soils shall be made to verify that the soil properties comply with the design requirements, as determined by the geotechnical engineer including soil types, shear strengths parameters and corresponding unit weights in accordance with the following guidelines:

1. Prior to placement of the fill, Shear Tests shall be taken of each type of soil or soil mixture to be used for all fill slopes steeper than 3 horizontal to one vertical.
2. Shear Test results for the proposed fill must meet or exceed the design values used in the geotechnical report to determine slope stability requirements. Otherwise, the slope must be re–evaluated using the actual shear test value of the fill material that is to be used.
3. Fill soils shall be free of deleterious material.
4. The results of such testing shall be included in the reports required by Section 7016(h) of the Building Code.

e. Fill shall not be placed until stripping of vegetation, removal of unsuitable soils, and installation of subdrain (if any) have been inspected and approved by the Geotechnical Engineer. The Building Official may require a "Standard Test Method for Moisture, Ash, Organic Matter, Peat or other Organic Soils" ASTM D–2974–87 on any suspect material. All Materials that have a test value of 10 percent or greater will be rejected as unsuitable for support of or being structural fill.

f. Rock or similar material greater than 12 inches in diameter shall not be placed in the fill unless recommendations for such placements have been submitted by the Geotechnical Engineer and approved in advance by the Building Official.

g. Continuous inspection by the Geotechnical Engineer or his responsible representative shall be provided during all fill placement and compaction operations where fills have a depth greater than 30 feet or slope surface steeper than 2:1.

h. Continuous inspection by the Geotechnical Engineer or his responsible representative shall be provided during all subdrain installation.

i. Fill slopes in excess of 2:1 steepness ratio are to be constructed by the placement of soil at sufficient distance beyond the proposed finish slope to allow compaction equipment to be operated at the outer limits of the final slope surface. The excess fill is to be removed prior to the completion of rough grading. Other construction procedures may be used when it is demonstrated to the satisfaction of the Building Official that the angle of slope, construction method and other factors will have equivalent effect. (Section 7016(a) of the Building Code.)

j. The Geotechnical Engineer shall provide sufficient inspections during the preparation of the natural ground and the placement and compaction of the fill to be satisfied that the work is being performed in accordance with the plan and applicable code requirements.

k. The Building and Safety District Office Manager may waive the requirement for compacting fill in accordance with Page 70.20 of the Building Code Manual. Uncompacted fills cannot support any structure. The grading plan must show any areas of Uncompacted fills along with the following note: "These fills are uncompacted and are unsuitable for the support of any structure."

l. The grading contractor shall submit the statement required by Section 7021 of the Building Code at the completion of rough grade.

INSPECTION NOTES

a. The permittee or his agent shall notify the Building Official at least one working day in advance of required inspections at following stages of the work (Section 7020 of the Building Code.)

   1. Initial. When the site has been cleared of vegetation and unapproved fill has been scarified, benched or otherwise prepared to fill. Fill shall not have been placed prior to this inspection.
   2. Rough. When approximate final elevations have been established; drainage terraces, swales, and berms installed at the top of the slope; and the statements required in this Section have been received.
   3. Final. When grading have been completed; all drainage devices installed; slope planting established, irrigations systems installed and the As–Built plans, required statements, and reports have been submitted.

GEOTECHNICAL NOTES

a. All recommendations included in the consultant's geotechnical report(s) must be compiled with and are a part of the grading plans and specifications.

b. Grading operations must be conducted under periodic geologic inspection with monthly inspection reports to be submitted to the Engineering Geology and Soils Section.

c. The Consulting Geologist must state that rough grading has removed geologic hazards in a final report prior to the approval by the Materials Engineering Division. The final report must include and As–Built Geologic Map.

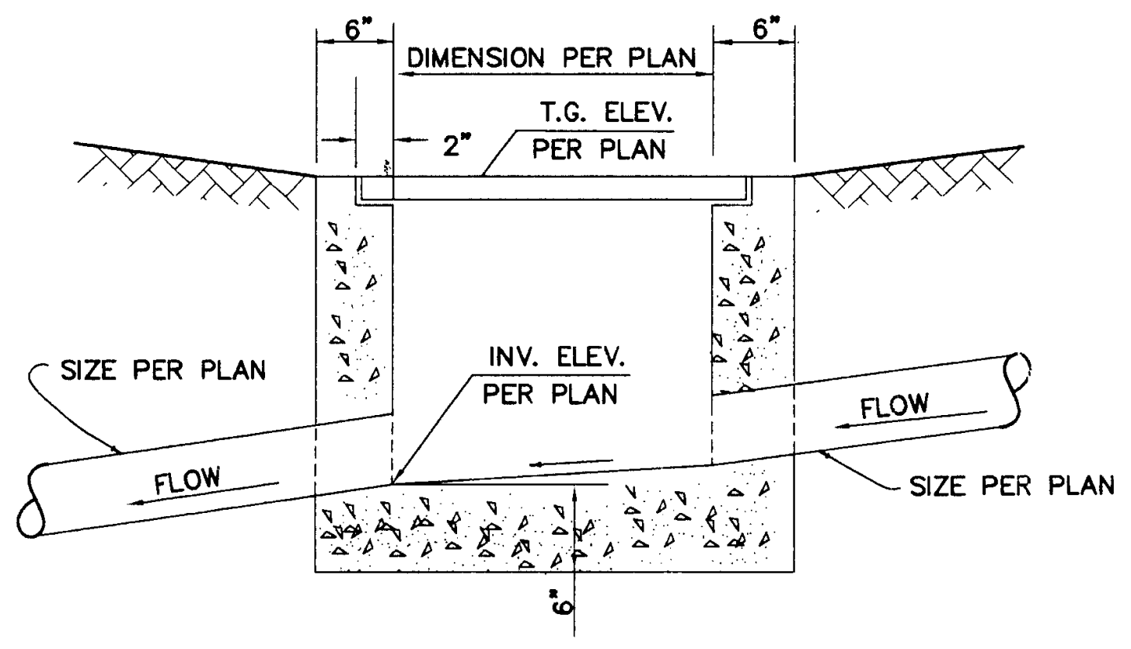
d. Foundation, wall and pool excavations must be inspected and approved by the consulting geologist and geotechnical engineer, prior to the placing of steel and concrete.

e. Building pad located in cut/fill transition areas shall be overexcavated a minimum of 3 feet below the proposed bottom of footing.

PLANTING AND IRRIGATION NOTES

a. The plans of a designed irrigation system for full coverage of the slopes shall be submitted and approved prior to rough grading approval by the County Inspector. (Section 7019(a) of the Building Code.)

b. All cut slopes over five (5) feet and fill slopes over three (3) feet shall be planted with an approved ground cover and provided with an irrigation system as soon as practical after rough grading. (Section 7019(b) of the Building Code.)



NOTES:
1. CATCH BASIN SHALL BE POURED MONOLITHICALLY AGAINST UNDISTURBED OR COMPACTED SOIL.
2. BOTTOM OF BOX TO SLOPE AT 1/4" PER FT. AND BE STEEL TROWEL SMOOTH.
3. FRAME & GRATING SHALL BE ALHAMBRA FOUNDRY .
4. CONTRACTOR MAY SUBSTITUTE WITH A PRECAST BOX OF EQUAL SIZE.

1/1 INLET STRUCTURE
N.T.S.

LEGEND

1066	PROPOSED ELEVATION
(1090)	EXISTING ELEVATION
—℄— —	CENTER LINE
— - - —	PROPERTY LINE
═╪═╪═	SPLASH WALL
—•—•—•	REVETMENT
══ ═ ══	PROPOSED STORN DRAIN
——	PROPOSED SANITARY SEWER
AC	ASPHALT CONCRETE PAVING
CF	CURB FACE
CONC	CONCRETE
FF	FINISH FLOOR ELEVATION
FL	FLOW LINE
FS	FINISHED SURFACE
MH	MANHOLE
TC	TOP OF CURB
FS	FINISH SURFACE
FG	FINISH GROUND

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SEAL

STEPHANIE A. WAGNER
No. C046979
Exp. 09/30/99
Stephanie A. Wagner

RENEWAL DATE [illegible]

[illegible]
3-20-98

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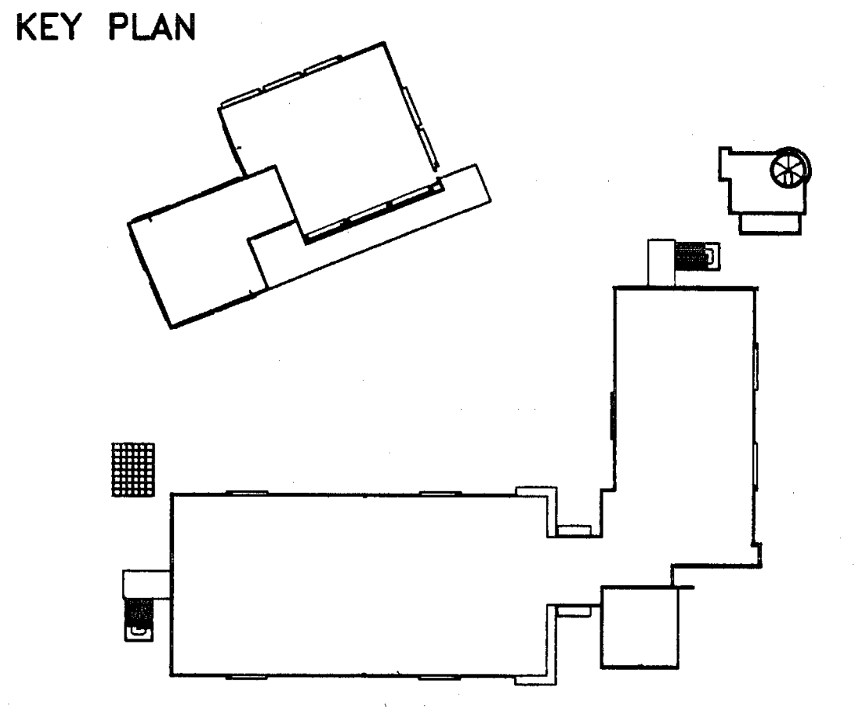
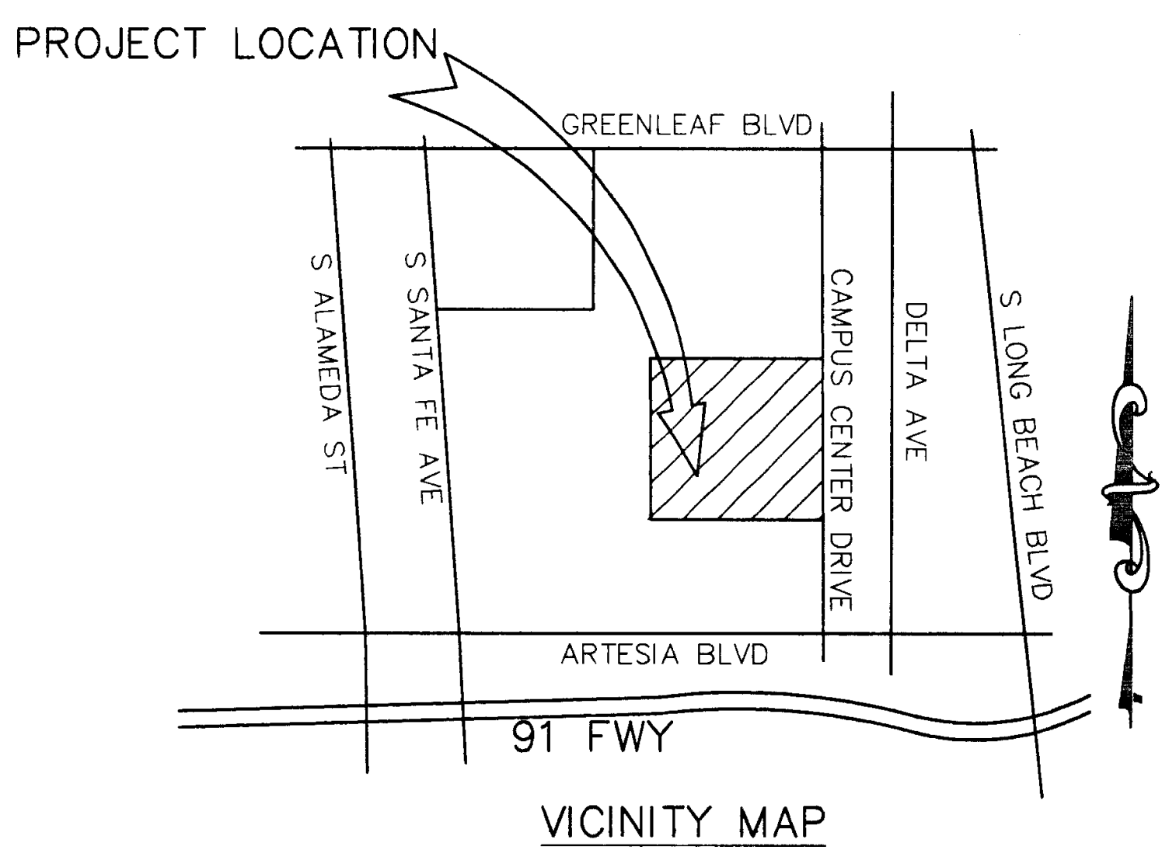
KEY PLAN



NO.	DATE	BY	REVISION



VICINITY MAP
N.T.S.

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

SITE CIVIL NOTES
AND DETAILS

FILE:	SHEET NO.
SCALE 1" = 20'	C1.1
JOB NO.	
DATE 02.02.98	OF______SHEETS

OWNER:	JOB ADDRESS:	LEGAL DESCRIPTION:
COMPTON COMMUNITY COLLEGE	***1111 EAST ARTESIA BLVD*** ***COMPTON, CALIFORNIA***	

SOILS ENGINEER & GEOLOGIST

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF GEOLOGIC REPORTS.
DATE....................................
SIGNATURE...........................

THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF SOILS ENGINEERING REPORTS.
DATE...................................
SIGNATURE.........................

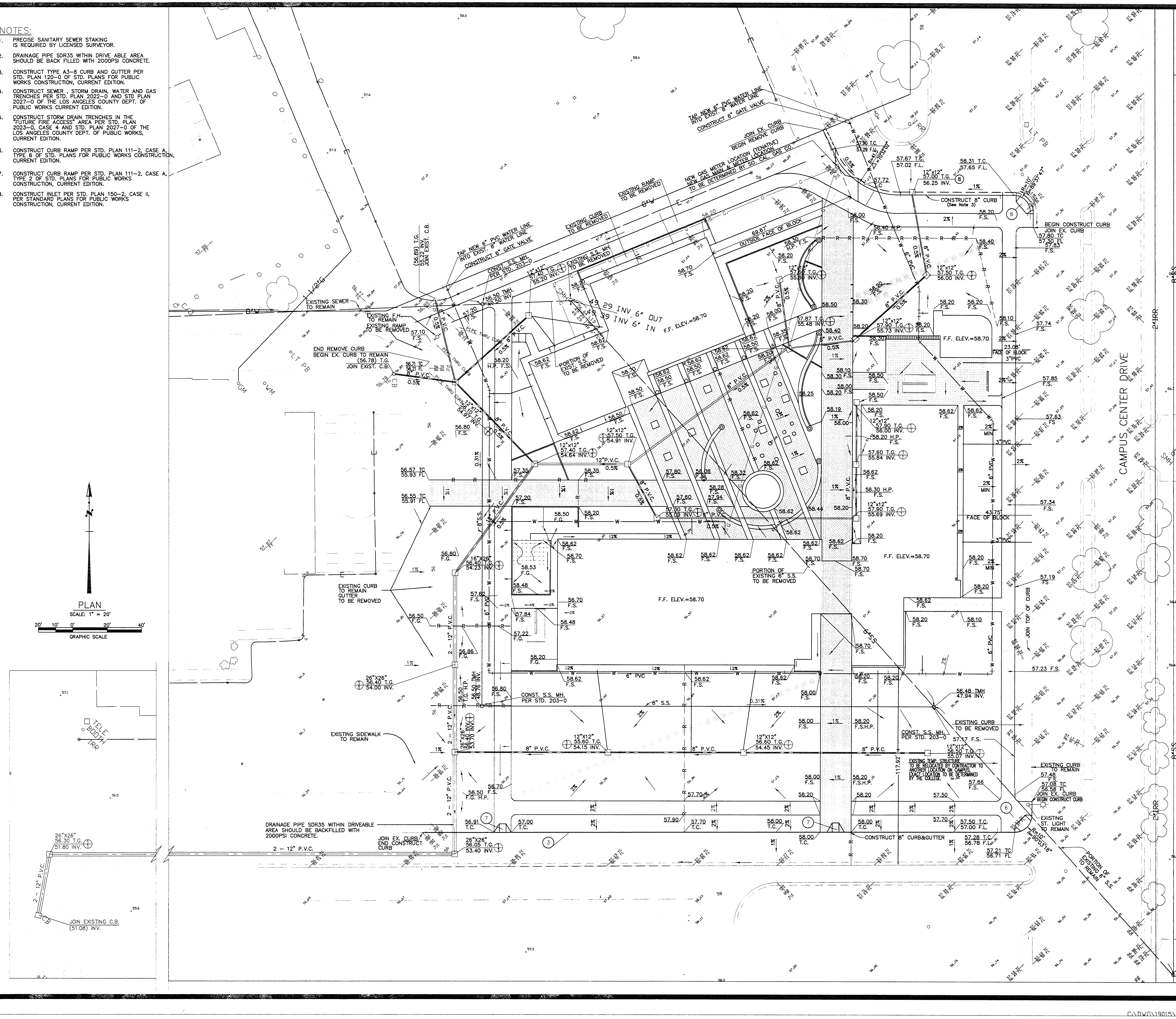
PREPARED UNDER THE DIRECTION OF:

DATE

PLOT DATE: 06.24.97

NOTES:

1. PRECISE SANITARY SEWER STAKING IS REQUIRED BY LICENSED SURVEYOR.
2. DRAINAGE PIPE SDR35 WITHIN DRIVE ABLE AREA SHOULD BE BACK FILLED WITH 2000PSI CONCRETE.
3. CONSTRUCT TYPE A3-8 CURB AND GUTTER PER STD. PLAN 120-0 OF STD. PLANS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. CONSTRUCT SEWER , STORM DRAIN, WATER AND GAS TRENCHES PER STD. PLAN 2022-0 AND STD PLAN 2027-0 OF THE LOS ANGELES COUNTY DEPT. OF PUBLIC WORKS CURRENT EDITION.
5. CONSTRUCT STORM DRAIN TRENCHES IN THE "FUTURE FIRE ACCESS" AREA PER STD. PLAN 2023-0, CASE 4 AND STD. PLAN 2027-0 OF THE LOS ANGELES COUNTY DEPT. OF PUBLIC WORKS, CURRENT EDITION.
6. CONSTRUCT CURB RAMP PER STD. PLAN 111-2, CASE A, TYPE 6 OF STD. PLANS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
7. CONSTRUCT CURB RAMP PER STD. PLAN 111-2, CASE A, TYPE 2 OF STD. PLANS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
8. CONSTRUCT INLET PER STD. PLAN 150-2, CASE II, PER STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.



PLOT DATE: 06.24.97

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MORRIS R. POINDEXTER C-13900 RENEWAL DATE 3-31-99

SEAL

STEPHANIE A. WAGNER No. C046979 Exp. 09/30/99 CIVIL

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Stephanie A. Wagner

WG LD 3-20-98

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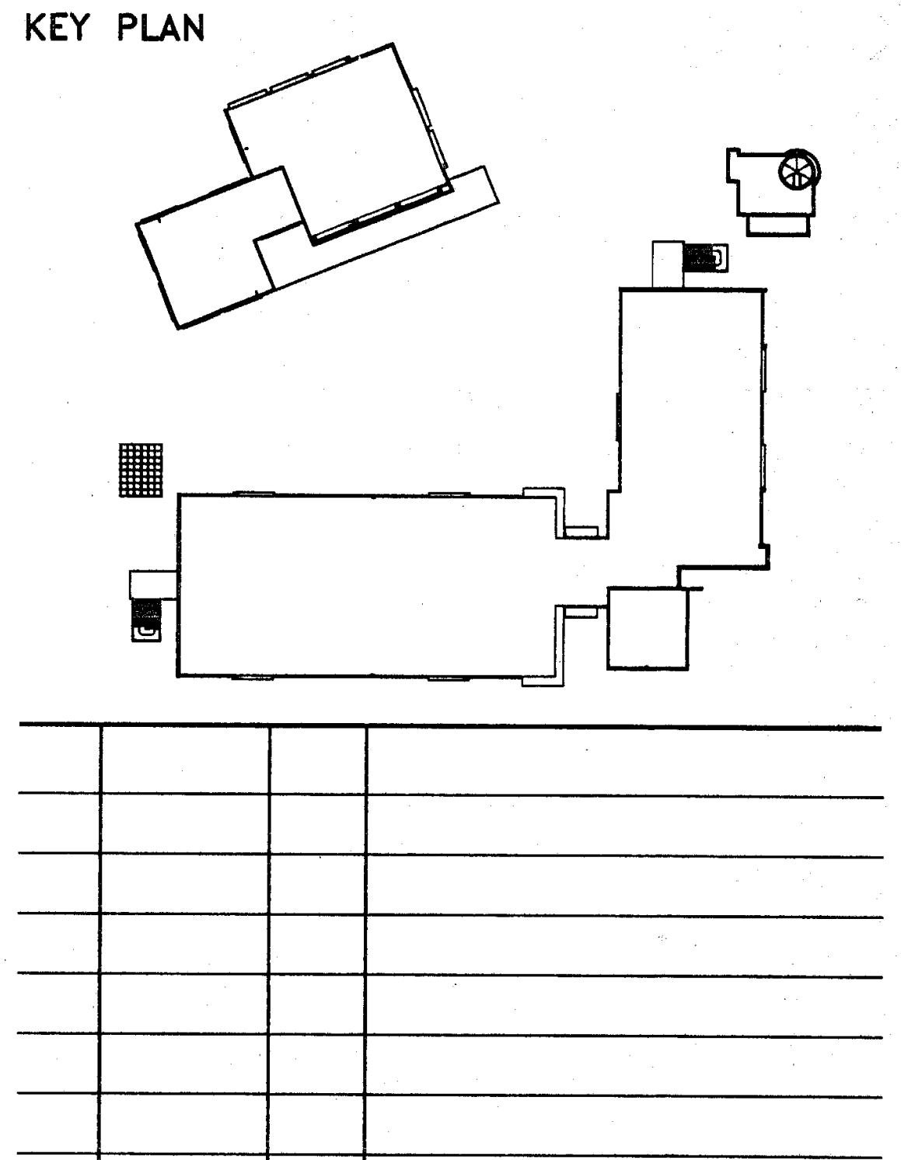
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

SITE GRADING, DRAINAGE
AND UTILITIES

FILE:	SHEET NO.
SCALE 1" = 20'	C1.2
JOB NO.	
DATE 02.02.98	OF_______SHEETS

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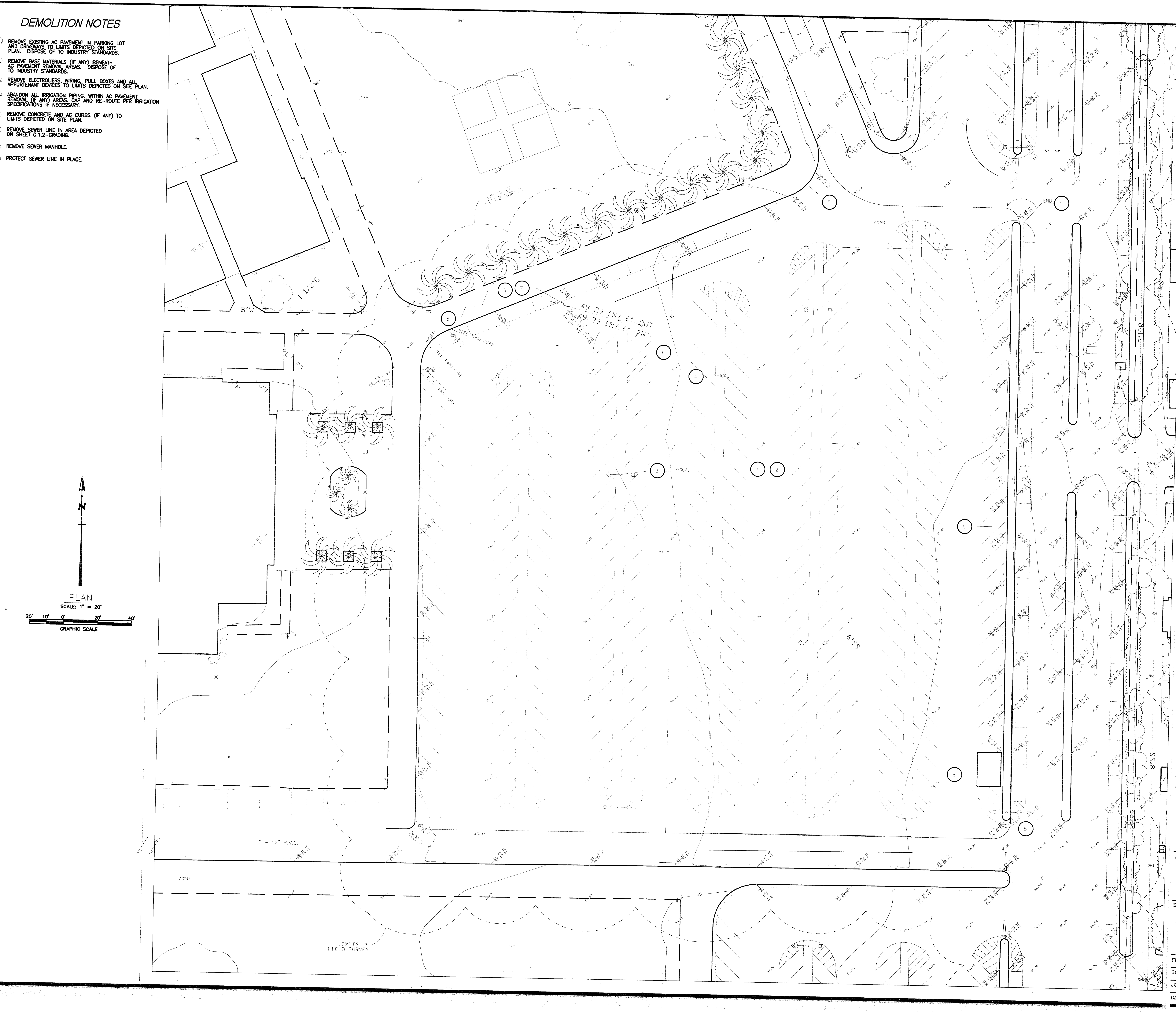

DEMOLITION NOTES

1. REMOVE EXISTING AC PAVEMENT IN PARKING LOT AND DRIVEWAYS TO LIMITS DEPICTED ON SITE PLAN. DISPOSE OF TO INDUSTRY STANDARDS.
2. REMOVE BASE MATERIALS (IF ANY) BENEATH AC PAVEMENT REMOVAL AREAS. DISPOSE OF TO INDUSTRY STANDARDS.
3. REMOVE ELECTROLIERS, WIRING, PULL BOXES AND ALL APPURTENANT DEVICES TO LIMITS DEPICTED ON SITE PLAN.
4. ABANDON ALL IRRIGATION PIPING, WITHIN AC PAVEMENT REMOVAL (IF ANY) AREAS. CAP AND RE-ROUTE PER IRRIGATION SPECIFICATIONS IF NECESSARY.
5. REMOVE CONCRETE AND AC CURBS (IF ANY) TO LIMITS DEPICTED ON SITE PLAN.
6. REMOVE SEWER LINE IN AREA DEPICTED ON SHEET C.1.2-GRADING.
7. REMOVE SEWER MANHOLE.
8. PROTECT SEWER LINE IN PLACE.

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MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

SEAL

STEPHANIE A. WAGNER
No. C046379
Exp. 09/30/99

STEPHANIE A. WAGNER
No. C046379
Exp. 09/30/99

Stephanie Wagner

WAGNER
ENGINEERING &
SURVEY, INC.
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SHERMAN OAKS, CALIFORNIA 91403
TEL. 818-995-9880 FAX 818-995-9877

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

DEMOLITION PLAN

FILE:
SCALE 1" = 20'
JOB NO.
DATE 09-10-97

SHEET NO.
C.1.3
OF ___ SHEETS

ABBREVIATIONS

AIC	AVAILABLE SHORT CIRCUIT CURRENT
A/C	AIR CONDITIONING
A	AMPERE
BKBD	BACKBOARD
BLDG	BUILDING
BRKR	BREAKER
CAB	CABINET
CLG	CEILING
℄	CENTERLINE
CONC	CONCRETE
CKT	CIRCUIT
C/B	CIRCUIT BREAKER
C.O.	CONDUIT ONLY
C	CONDUIT
DET	DETAIL
DPDT.	DOUBLE-POLE, DOUBLE-THROW
DN	DOWN
DWG	DRAWING
DISC	DISCONNECT
EDF	ELECTRICAL DRINKING FOUNTAIN
EMERG	EMERGENCY
EQUIP	EQUIPMENT
E.P.	EXPLOSION PROOF
ELECT.	ELECTRICAL
EA	EACH
EXIST	EXISTING
EXT	EXTERIOR
E.G.	ENGINE GENERATOR
FLUOR	FLUORESCENT
FIN FL	FINISH FLOOR
FIN GR	FINISH GRADE
F.A.	FIRE ALARM
F	FUSED
F.O.	FIBER OPTICS
GEN	GENERATOR
GND	GROUND
H.V.	HIGH VOLTAGE
HP	HORSEPOWER
HT	HEIGHT
HOA	HAND-OFF-AUTOMATIC
INCAND	INCANDESCENT
I.C.	RMS SYM. INTERRUPTING CAPACITY RATING
J	JUNCTION
KVA	KILOVOLT-AMPERE
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
LTG	LIGHTING
LV	LOW VOLTAGE
MCS	MOTOR CONTROL SWITCHBOARD
MH	MANHOLE
MTG	MOUNTED
MFR	MANUFACTURER
MAX	MAXIMUM
MIN	MINIMUM
M.G.	MOTOR GENERATOR
MCM	THOUSAND CIRCULAR MILS
MCC	MOTOR CONTROL CENTER
S.S.P.B.&P.L.	START/STOP PUSH BUTTON AND PILOT LIGHT.
N/C	NORMALLY CLOSED
N/O	NORMALLY OPEN
NEC	NATIONAL ELECTRICAL CODE
NTS	NOT TO SCALE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NO	NUMBER
#	NUMBER
NIC	NOT IN CONTRACT
N.L.	NIGHT LIGHT
NF	NOT FUSED
OC	ON CENTER
P	POLE
PVEE	POLYVINYL CHLORIDE
PWR	POWER
ø	PHASE
PP	POWER POLE
POC	POINT OF CONNECTION
P/L	PROPERTY LINE
PB	PULL BOX
PNL	PANEL
REQD	REQUIRED
REQMT	REQUIREMENT
RM	ROOM
SHT	SHEET
SPEC	SPECIFICATIONS
SPST	SINGLE-POLE, SINGLE THROW
DPDT	DOUBLE-POLE, DOUBLE-THROW
SURF	SURFACE
SW	SWITCH
S/N	SOLID NEUTRAL
SWBD	SWITCHBOARD
TYP	TYPICAL
TEL	TELEPHONE
TV	TELEVISION
TC	TIME CLOCK
TE	TIME CONTROLLED BY EARLY LIGHTING CIRCUIT
TN	TIME CONTROLLED BY LATE LIGHTING CIRCUIT
TERM	TERMINAL
TRANS	TRANSFORMER
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT-AMPERES
W.P.	WEATHERPROOF
W	WATT
4W	FOUR-WIRE
3W	THREE-WIRE
5/S	J-BOX 4-11/16" SQUARED BY 2-1/8" DEEP
V.L.	VERIFY LOCATION
BOTT.	BOTTOM
U/F	UNDERFLOOR

NOTE

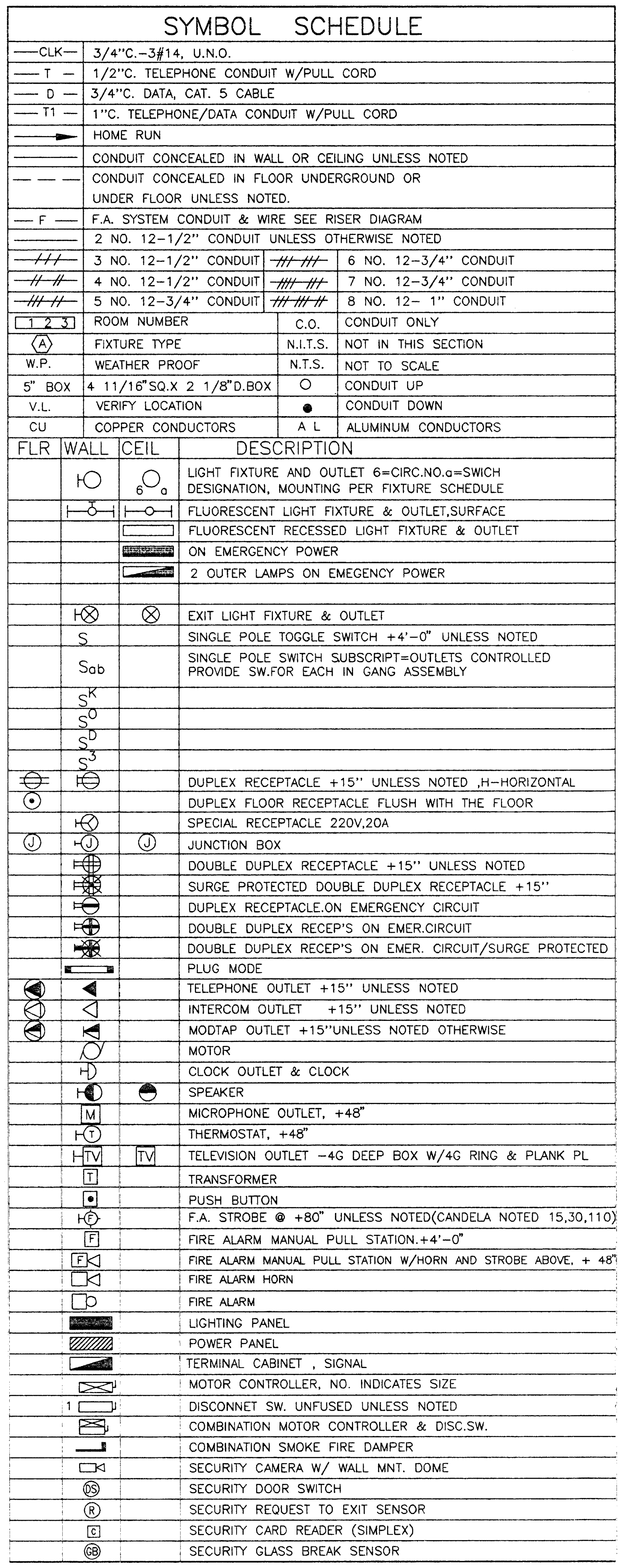
ALL MECHANICAL & ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA.

EQUIPMENT ON GRADE	23% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	35% OF OPERATING WEIGHT

FOR FLEXIBLE MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, 1=1.15 & SEISMIC ZONE, Z=0.4

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.



SYMBOL SCHEDULE

—CLK—	3/4"C.-3#14, U.N.O.		
— T —	1/2"C. TELEPHONE CONDUIT W/PULL CORD		
— D —	3/4"C. DATA, CAT. 5 CABLE		
— T1 —	1"C. TELEPHONE/DATA CONDUIT W/PULL CORD		
——▶	HOME RUN		
———	CONDUIT CONCEALED IN WALL OR CEILING UNLESS NOTED		
— — —	CONDUIT CONCEALED IN FLOOR UNDERGROUND OR UNDER FLOOR UNLESS NOTED.		
— F —	F.A. SYSTEM CONDUIT & WIRE SEE RISER DIAGRAM		
———	2 NO. 12-1/2" CONDUIT UNLESS OTHERWISE NOTED		
—///—	3 NO. 12-1/2" CONDUIT	—/// ///—	6 NO. 12-3/4" CONDUIT
—// //—	4 NO. 12-1/2" CONDUIT	—//// ///—	7 NO. 12-3/4" CONDUIT
—/// //—	5 NO. 12-3/4" CONDUIT	—/// /// //—	8 NO. 12- 1" CONDUIT
1 2 3	ROOM NUMBER	C.O.	CONDUIT ONLY
⟨A⟩	FIXTURE TYPE	N.I.T.S.	NOT IN THIS SECTION
W.P.	WEATHER PROOF	N.T.S.	NOT TO SCALE
5" BOX	4 11/16"SQ.X 2 1/8"D.BOX	○	CONDUIT UP
V.L.	VERIFY LOCATION	●	CONDUIT DOWN
CU	COPPER CONDUCTORS	A L	ALUMINUM CONDUCTORS

FLR	WALL	CEIL	DESCRIPTION
	⊢○	6 ○ a	LIGHT FIXTURE AND OUTLET 6=CIRC.NO.a=SWICH DESIGNATION, MOUNTING PER FIXTURE SCHEDULE
	⊢—○—⊣	⊢—○—⊣	FLUORESCENT LIGHT FIXTURE & OUTLET,SURFACE
		▭	FLUORESCENT RECESSED LIGHT FIXTURE & OUTLET
		▬	ON EMERGENCY POWER
		◢	2 OUTER LAMPS ON EMEGENCY POWER
	⊢⊗	⊗	EXIT LIGHT FIXTURE & OUTLET
	S		SINGLE POLE TOGGLE SWITCH +4'-0" UNLESS NOTED
	Sab		SINGLE POLE SWITCH SUBSCRIPT=OUTLETS CONTROLLED PROVIDE SW.FOR EACH IN GANG ASSEMBLY
	S^K		
	S^O		
	S^D		
	S^3		
⊖	⊢⊖		DUPLEX RECEPTACLE +15" UNLESS NOTED ,H-HORIZONTAL
⊙			DUPLEX FLOOR RECEPTACLE FLUSH WITH THE FLOOR
	⊢○		SPECIAL RECEPTACLE 220V,20A
Ⓙ	⊢Ⓙ	Ⓙ	JUNCTION BOX
	⊢⊕		DOUBLE DUPLEX RECEPTACLE +15" UNLESS NOTED
	⊢⊗		SURGE PROTECTED DOUBLE DUPLEX RECEPTACLE +15"
	⊢⊖		DUPLEX RECEPTACLE.ON EMERGENCY CIRCUIT
	⊢⊕		DOUBLE DUPLEX RECEP'S ON EMER.CIRCUIT
	⊢⊗		DOUBLE DUPLEX RECEP'S ON EMER. CIRCUIT/SURGE PROTECTED
	▭		PLUG MODE
◀	◀		TELEPHONE OUTLET +15" UNLESS NOTED
◁	◁		INTERCOM OUTLET +15" UNLESS NOTED
◀	◀		MODTAP OUTLET +15"UNLESS NOTED OTHERWISE
	○		MOTOR
	⊢◗		CLOCK OUTLET & CLOCK
	⊢◐	◒	SPEAKER
	M		MICROPHONE OUTLET, +48"
	⊢Ⓣ		THERMOSTAT, +48"
	⊢TV	TV	TELEVISION OUTLET -4G DEEP BOX W/4G RING & PLANK PL
	T		TRANSFORMER
	▣		PUSH BUTTON
	⊢Ⓕ		F.A. STROBE @ +80" UNLESS NOTED(CANDELA NOTED 15,30,110)
	F		FIRE ALARM MANUAL PULL STATION.+4'-0"
	F◁		FIRE ALARM MANUAL PULL STATION W/HORN AND STROBE ABOVE, + 48"
	□◁		FIRE ALARM HORN
	□○		FIRE ALARM
	▬		LIGHTING PANEL
	▨		POWER PANEL
	◢		TERMINAL CABINET , SIGNAL
	⊠		MOTOR CONTROLLER, NO. INDICATES SIZE
	1 ▭		DISCONNET SW. UNFUSED UNLESS NOTED
	⊠		COMBINATION MOTOR CONTROLLER & DISC.SW.
	▁▌		COMBINATION SMOKE FIRE DAMPER
	□◁		SECURITY CAMERA W/ WALL MNT. DOME
	Ⓓ Ⓢ		SECURITY DOOR SWITCH
	Ⓡ		SECURITY REQUEST TO EXIT SENSOR
	C		SECURITY CARD READER (SIMPLEX)
	GB		SECURITY GLASS BREAK SENSOR

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SEAL

REGISTERED PROFESSIONAL ENGINEER
FELIX ROTH
No. 012941
Exp. 3-31-01
ELECTRICAL
STATE OF CALIFORNIA

LICENSED ARCHITECT
MORRIS R. POINDEXTER
3-31-99
RENEWAL DATE
STATE OF CALIFORNIA

SILVER,ROTH & ASSOCIATES,INC.
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(213) 933-3700 REG.NO. E 12941

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

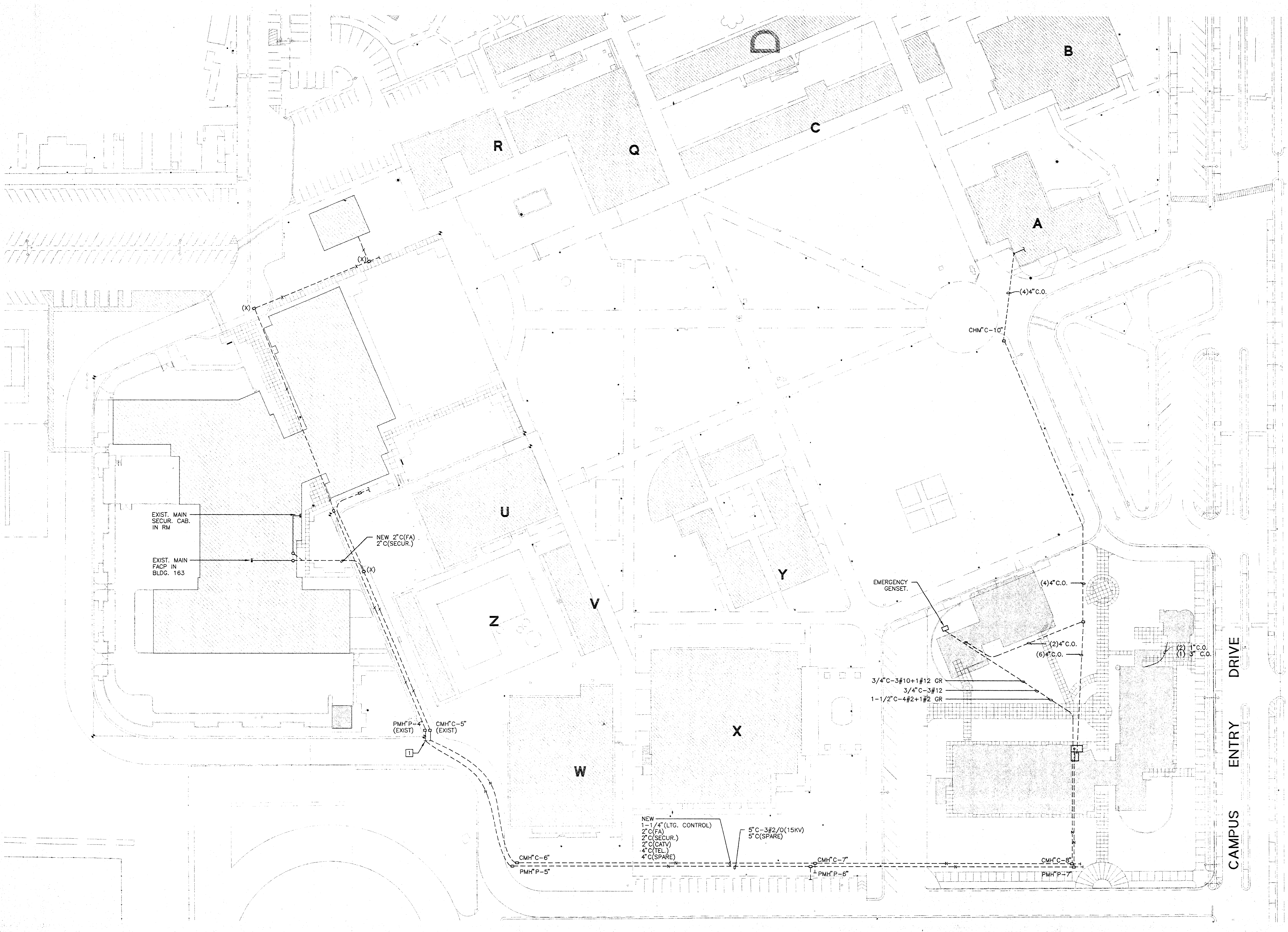
SHEET TITLE

LEGEND, SCHEDULES, AND NOTES

FILE:
SCALE AS NOTED
JOB NO.
DATE 12.21.97

SHEET NO.
E0.1
OF______SHEETS

PLOT DATE: 12.21.97



NORTH

SITE PLAN

SCALE: 1" =40'-0"

PLOT DATE: 12.21.97

PLOTTED: 12/21/97 FILE NAME: C:\...\COMPTON CC\COMPCC-E02.dwg

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FELIX ROTH
No. 012941
Exp. 3-31-01
ELECTRICAL

MORRIS R. POINDEXTER
RENEWAL DATE 3-31-99

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KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

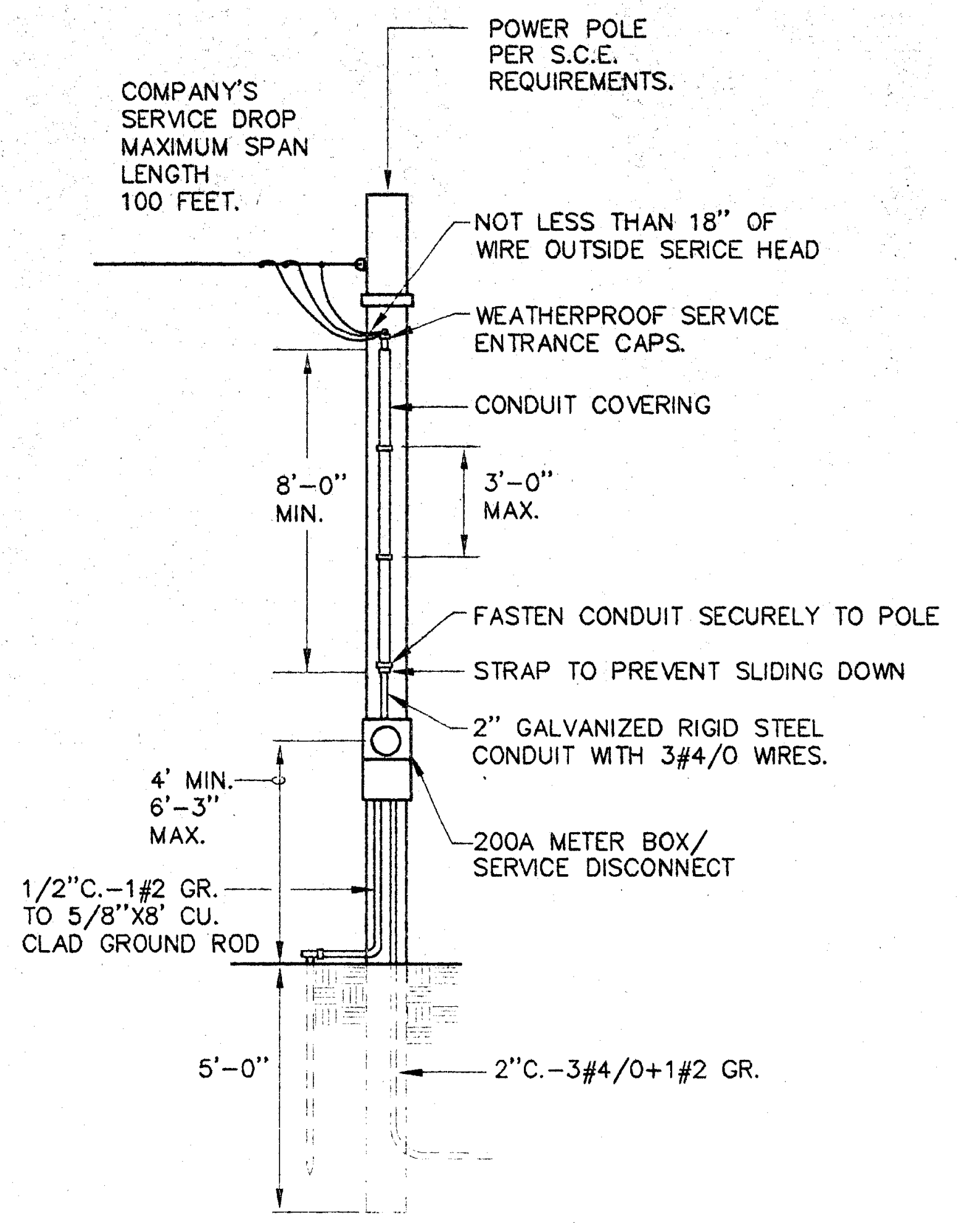
HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

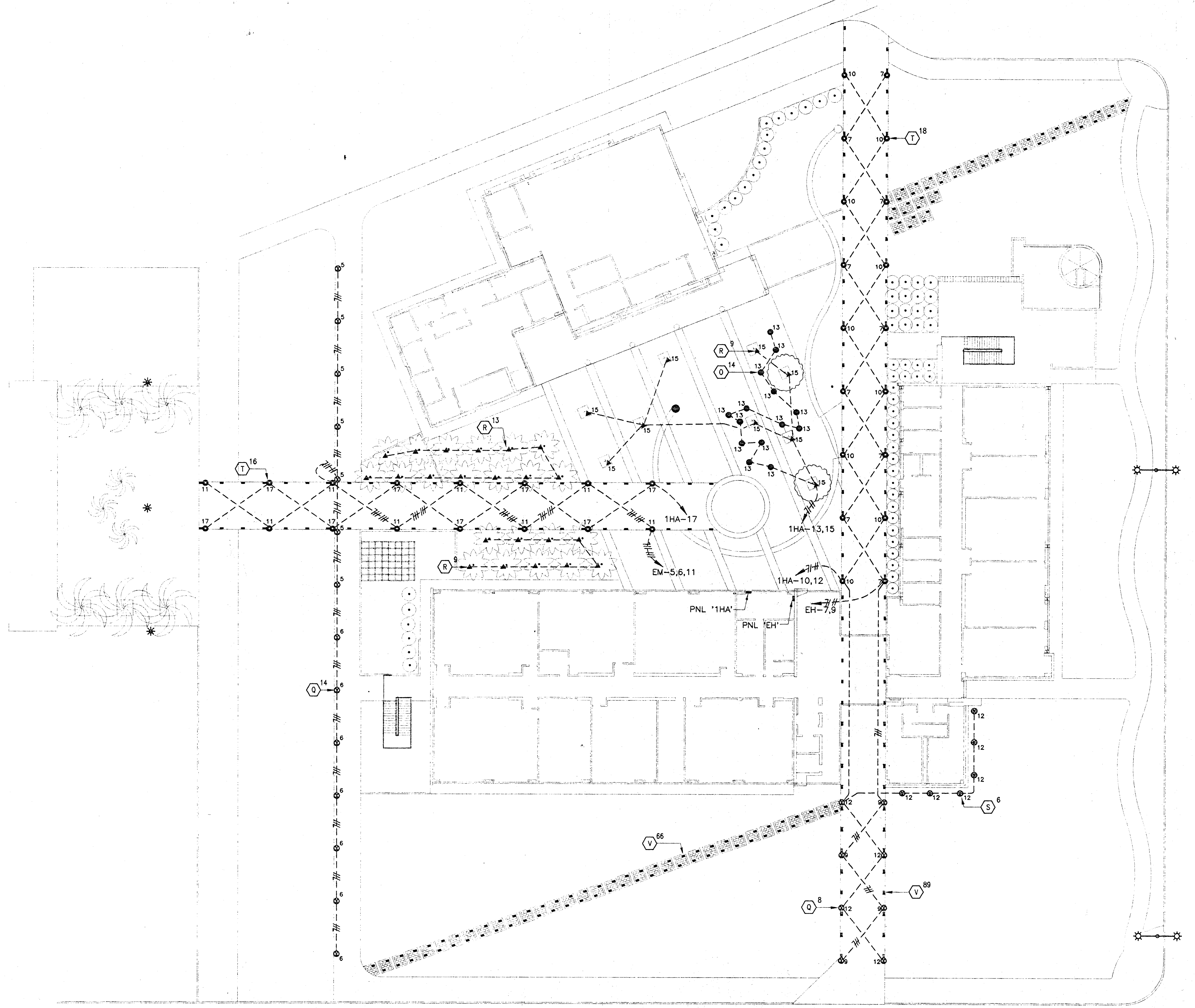
FEEDER SITE PLAN

FILE:	SHEET NO.
SCALE 1" =40'-0"	E0.2
JOB NO.	
DATE 12.21.97	OF ___ SHEETS



SERVICE POLE DETAIL

SCALE: NTS



GENERAL NOTES

1. ALL U.G. RUNS TO EXTERIOR FIXTURES SHALL BE 1/2"C-2#12,1#12G UNLESS NOTED.

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SEAL

FELIX ROTH
No. 012941
Exp. 3-31-01

MORRIS R. POINDEXTER
3-31-99

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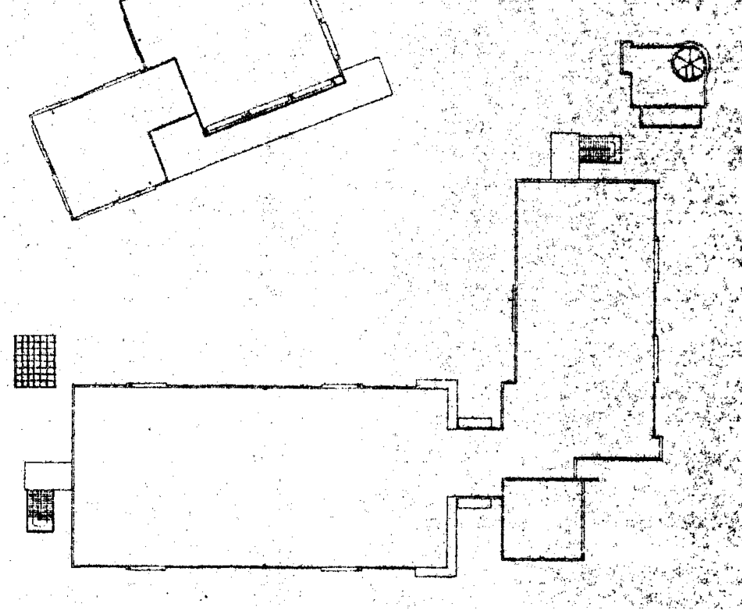
(213) 933-3700 REG.NO. E 12941

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

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MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

SITE LIGHTING PLAN

FILE:
SCALE 1"=20'-0"
JOB NO.
DATE 12.21.97
SHEET NO. E0.3
OF ____ SHEETS

PLOT DATE: 12.21.97

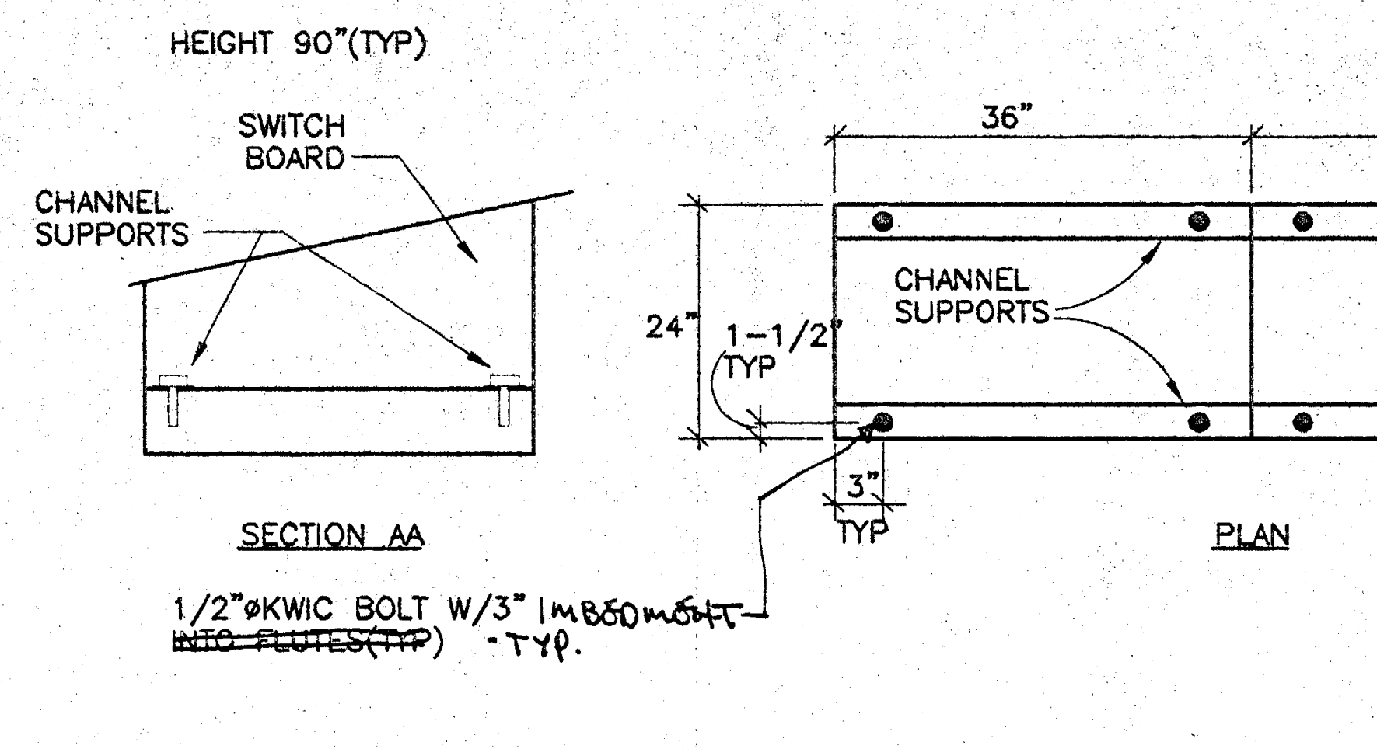
PLOTTED 12/21/97 FILE NAME: C:\...\COMPTON CC\COMPCC-E03.dwg

SPECIFIC NOTES

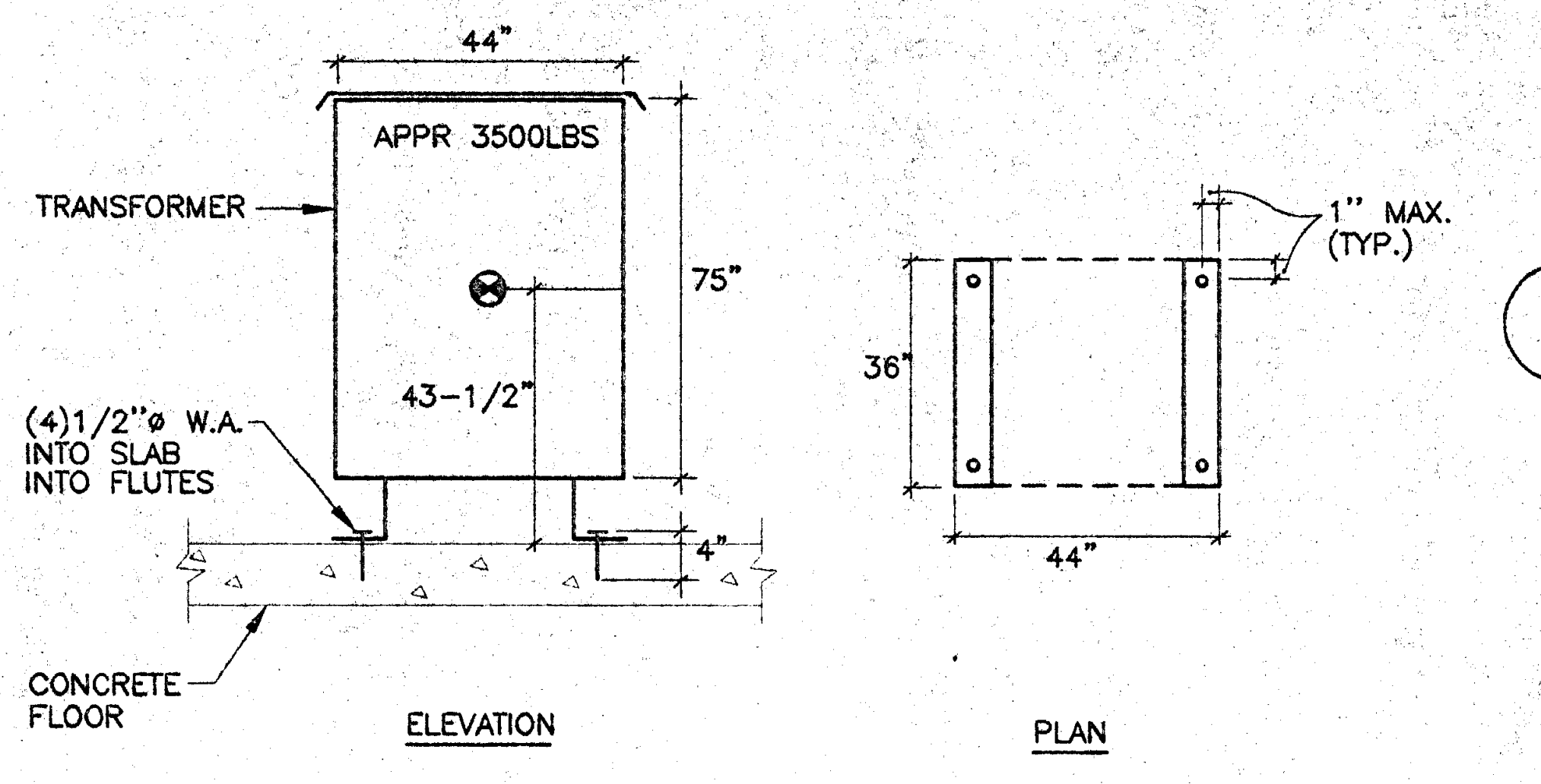
1. CONNECT TO PRE-WIRED WORKSTATION.
2. CONNECT TO GARBAGE DISPOSAL.
3. CONNECT TO PRE-WIRED WORK COUNTER.
4. FLOOR BOX SHALL BE WALKER 880CS3-1, FLANGE 837PC-BRN, COVERS 828PR-BRN. PROVIDE (2) DUPLEX SURGE SUPPRESSION RECEPTACLES, AND ONE DATA OUTLET BY LEVITON QUICK PORT QUAD 106, PART #41087-Q-W-P WITH (4) RJ45 JACKS, PART #41108-R-W-5.
5. CONNECT TO MOTORIZED SCREEN (TYP). VERIFY EXACT LOCATION OF THE SWITCH WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGHING-IN. COORDINATE WITH USERS.
6. CONNECT TO DOME OPERATOR.
7. PROVIDE FUSES PER MANUFACTURES RECOMMENDATIONS.

GENERAL NOTES

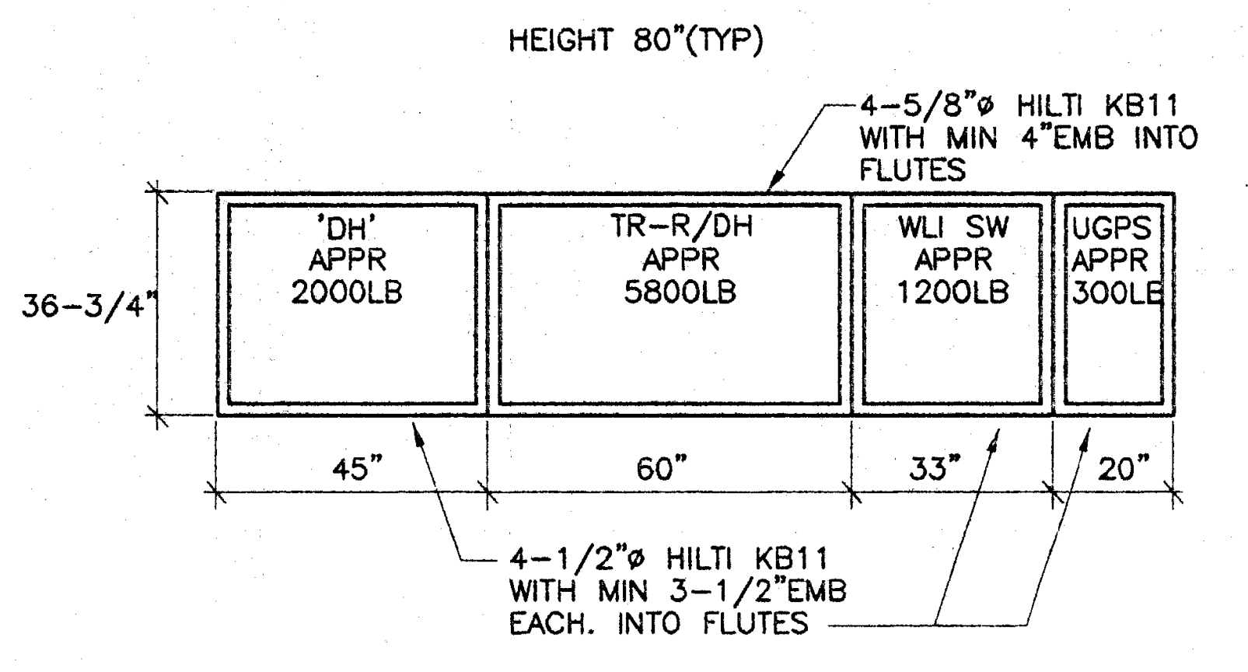
1. LOCATE ALL PLUGMOLDS ABOVE BACKSPLASH. REFER TO ARCHITECTURAL ELEVATIONS.
2. VERIFY EXACT LOCATIONS FOR ALL OUTLETS IN FIELD PRIOR TO ROUGHING IN. COORDINATE WITH CASEWORK AND EQUIPMENT.
3. WHERE COUNTER TOP IS INDICATED, ALL DUPLEX RECEPTACLES SHALL BE LOCATED ABOVE THE BACKSPLASH OF COUNTERTOP. COORDINATE WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGHING-IN.



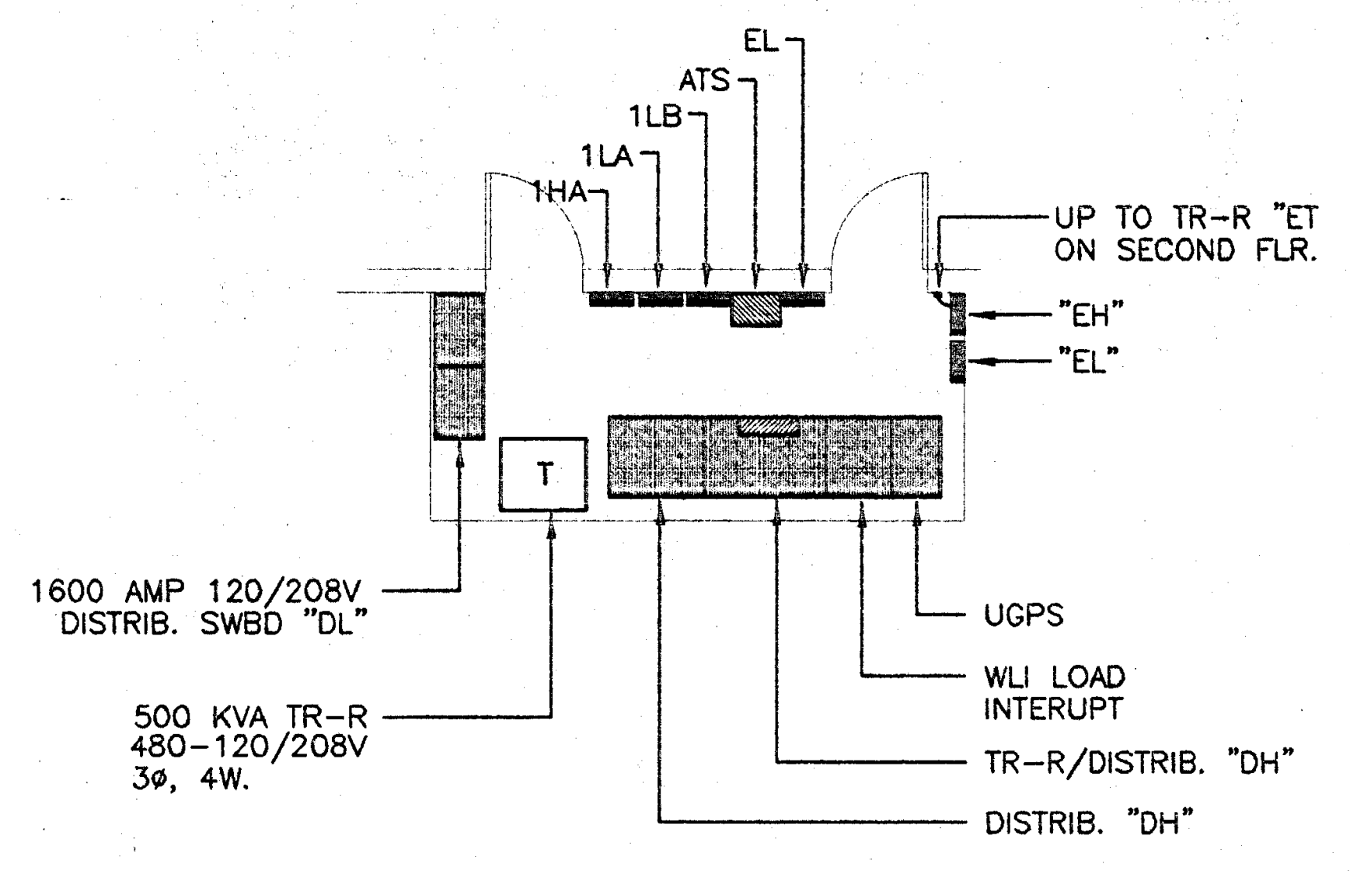
DISTR SWBD ANCHORING DETAIL (C)
SCALE: NTS



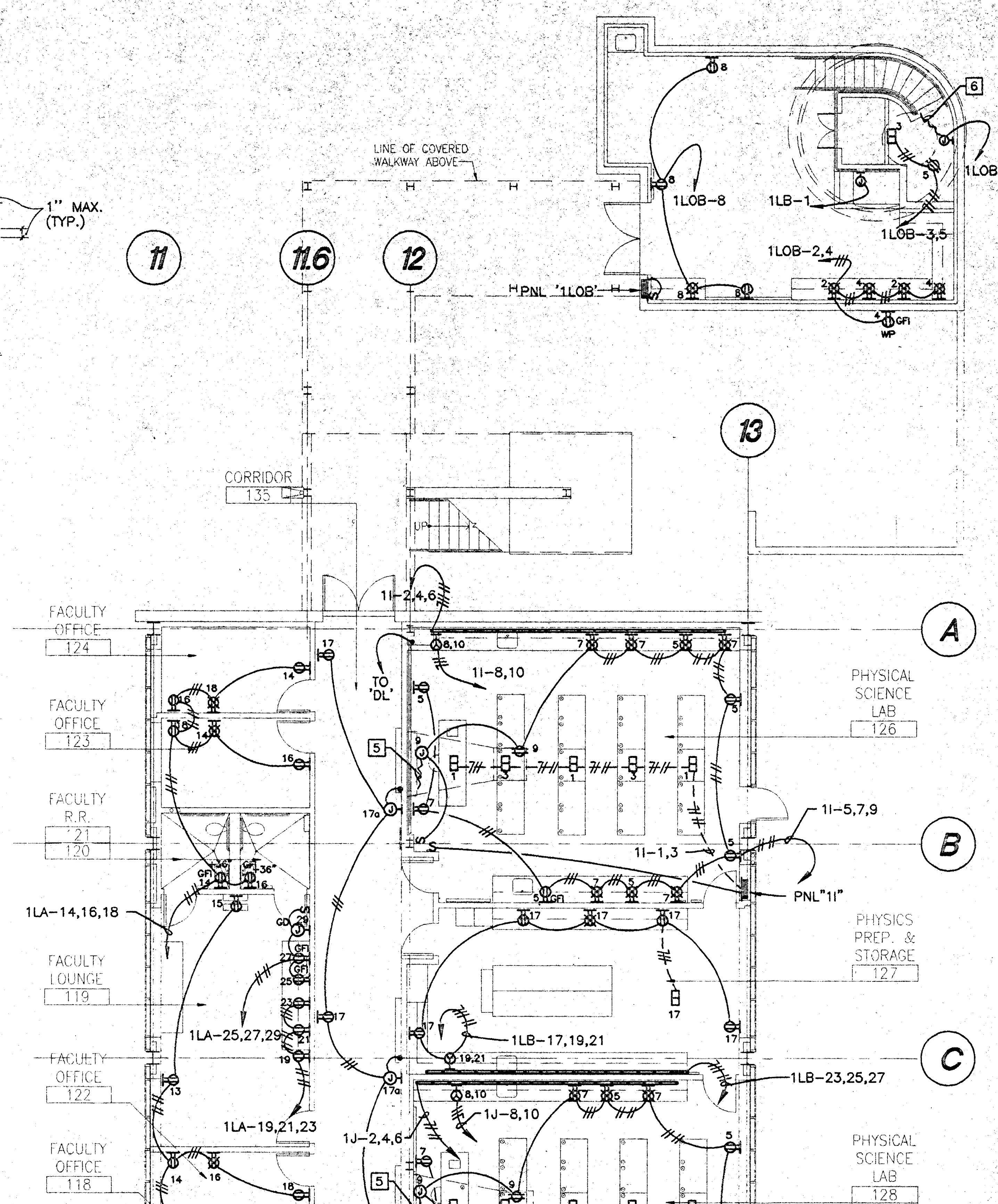
TRANSFORMER ANCHORING DETAIL (B)
SCALE: NTS

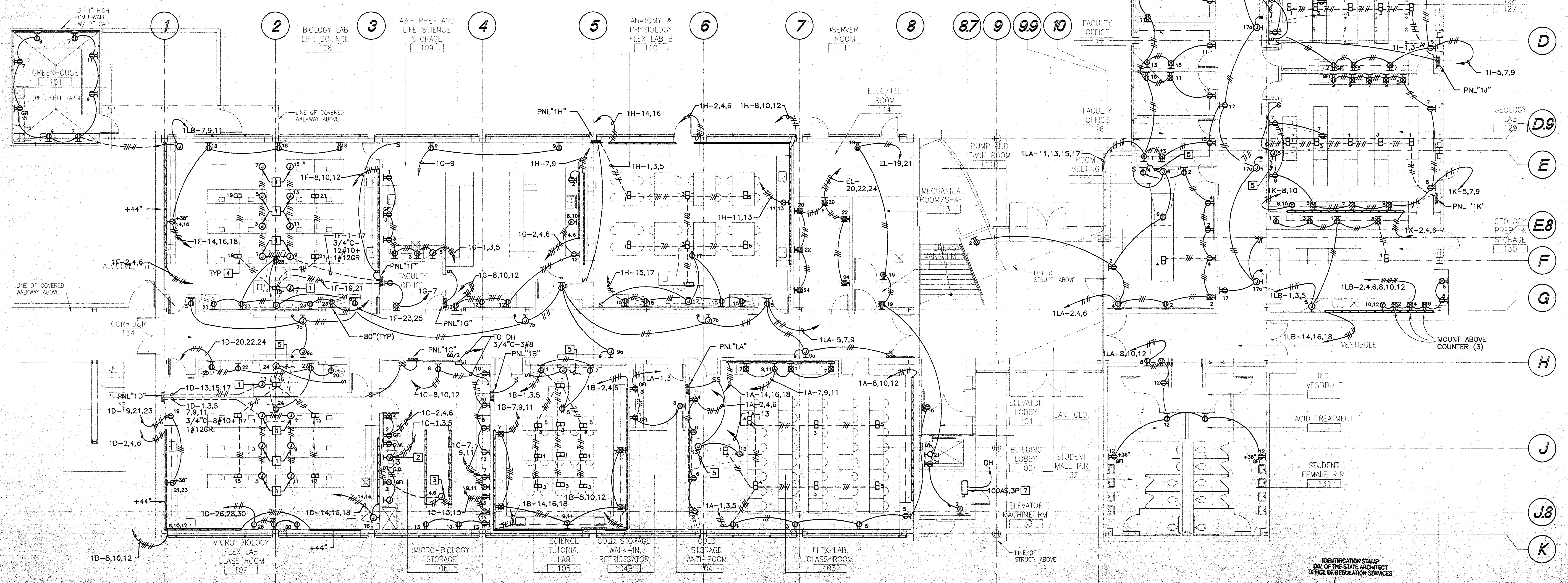


FIRST FLOOR ELEC. ROOM (D)
SCALE: 1/8"=1'-0"



FIRST FLOOR ELEC. ROOM (A)
SCALE: 1/8"=1'-0"





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SEAL

Felix Roth
FELIX ROTH No. 012941 Exp. 3-31-01
MORRIS R. POINDEXTER C-13900 RENEWAL DATE 3-31-99

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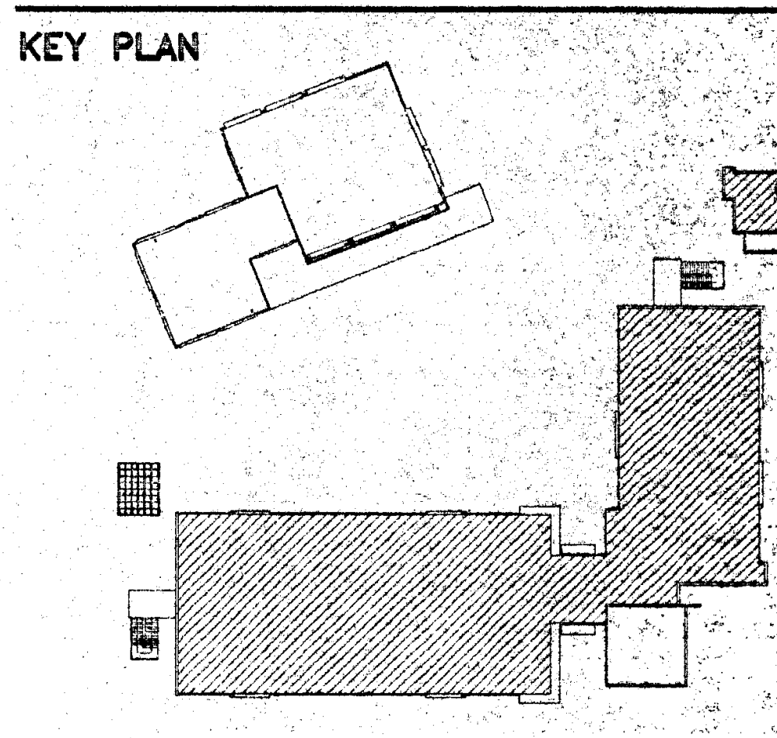
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

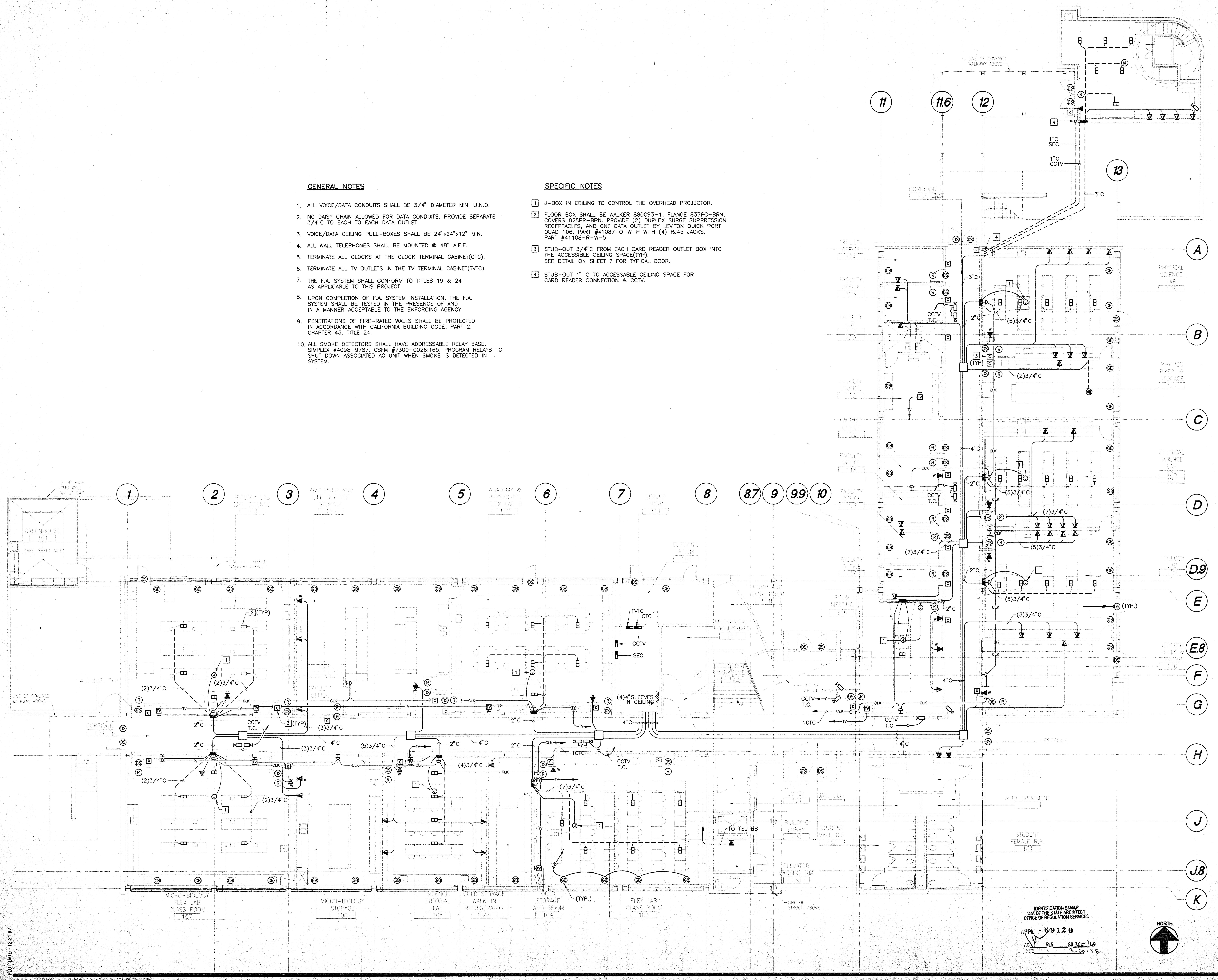
SHEET TITLE

FIRST FLOOR
POWER PLAN

FILE:
SCALE 1/8"=1'-0"
JOB NO.
DATE 3.5.98
SHEET NO. E1.1
OF ____ SHEETS

PLOT DATE: 3.5.98

PLOTTED: 03/05/98 FILE NAME: C:\...\JANKENS GAILE MARTINEZ\COMPTON CC\COMPCC-E11.dwg



GENERAL NOTES

1. ALL VOICE/DATA CONDUITS SHALL BE 3/4" DIAMETER MIN, U.N.O.
2. NO DAISY CHAIN ALLOWED FOR DATA CONDUITS. PROVIDE SEPARATE 3/4"C TO EACH TO EACH DATA OUTLET.
3. VOICE/DATA CEILING PULL-BOXES SHALL BE 24"x24"x12" MIN.
4. ALL WALL TELEPHONES SHALL BE MOUNTED @ 48" A.F.F.
5. TERMINATE ALL CLOCKS AT THE CLOCK TERMINAL CABINET(CTC).
6. TERMINATE ALL TV OUTLETS IN THE TV TERMINAL CABINET(TVTC).
7. THE F.A. SYSTEM SHALL CONFORM TO TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT
8. UPON COMPLETION OF F.A. SYSTEM INSTALLATION, THE F.A. SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY
9. PENETRATIONS OF FIRE-RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 43, TITLE 24.
10. ALL SMOKE DETECTORS SHALL HAVE ADDRESSABLE RELAY BASE, SIMPLEX #4098-9787, CSFM #7300-0026:165. PROGRAM RELAYS TO SHUT DOWN ASSOCIATED AC UNIT WHEN SMOKE IS DETECTED IN SYSTEM.

SPECIFIC NOTES

[1] J-BOX IN CEILING TO CONTROL THE OVERHEAD PROJECTOR.

[2] FLOOR BOX SHALL BE WALKER 880CS3-1, FLANGE 837PC-BRN, COVERS 828PR-BRN. PROVIDE (2) DUPLEX SURGE SUPPRESSION RECEPTACLES, AND ONE DATA OUTLET BY LEVITON QUICK PORT QUAD 106, PART #41087-Q-W-P WITH (4) RJ45 JACKS, PART #41108-R-W-5.

[3] STUB-OUT 3/4"C FROM EACH CARD READER OUTLET BOX INTO THE ACCESSIBLE CEILING SPACE(TYP). SEE DETAIL ON SHEET ? FOR TYPICAL DOOR.

[4] STUB-OUT 1" C TO ACCESSABLE CEILING SPACE FOR CARD READER CONNECTION & CCTV.

IDENTIFICATION STAMP
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APPL · 69120
AC ____ FLS ____ SS ____
DATE 3-20-98

PLOT DATE: 12.21.97

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No. 012941
Exp. 3-31-01
ELECTRICAL

MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

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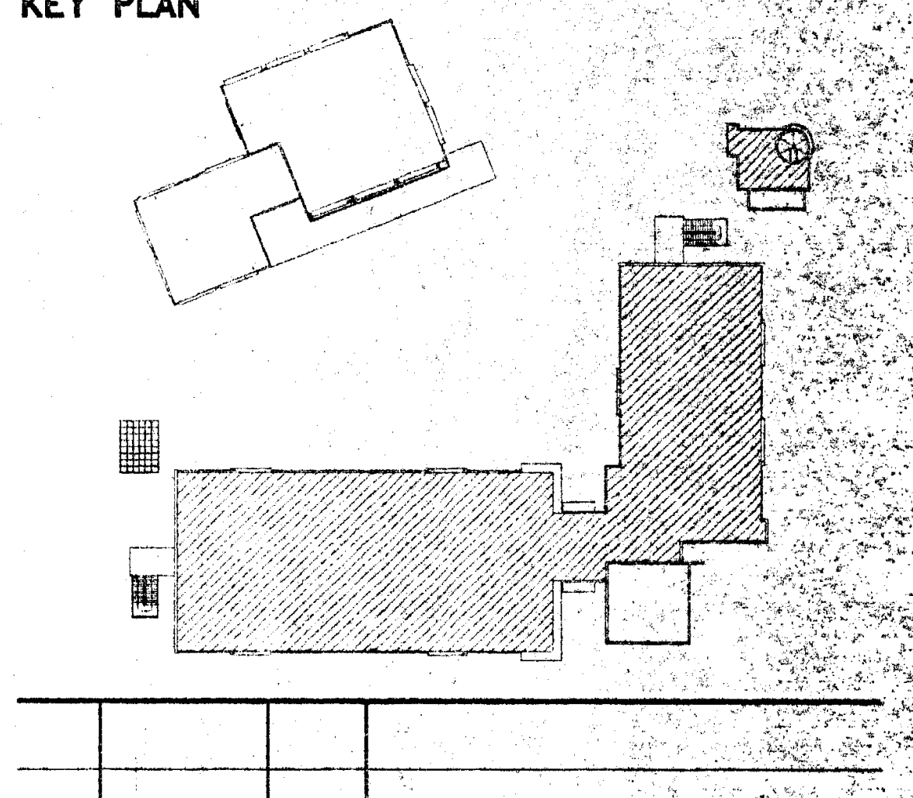
(213) 933-3700 REG.NO. E 12941

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

FIRST FLOOR SIGNAL PLAN

FILE:
SCALE 1/8"=1'-0"
JOB NO.
DATE 12.21.97
SHEET NO.
E1.2
OF ____ SHEETS

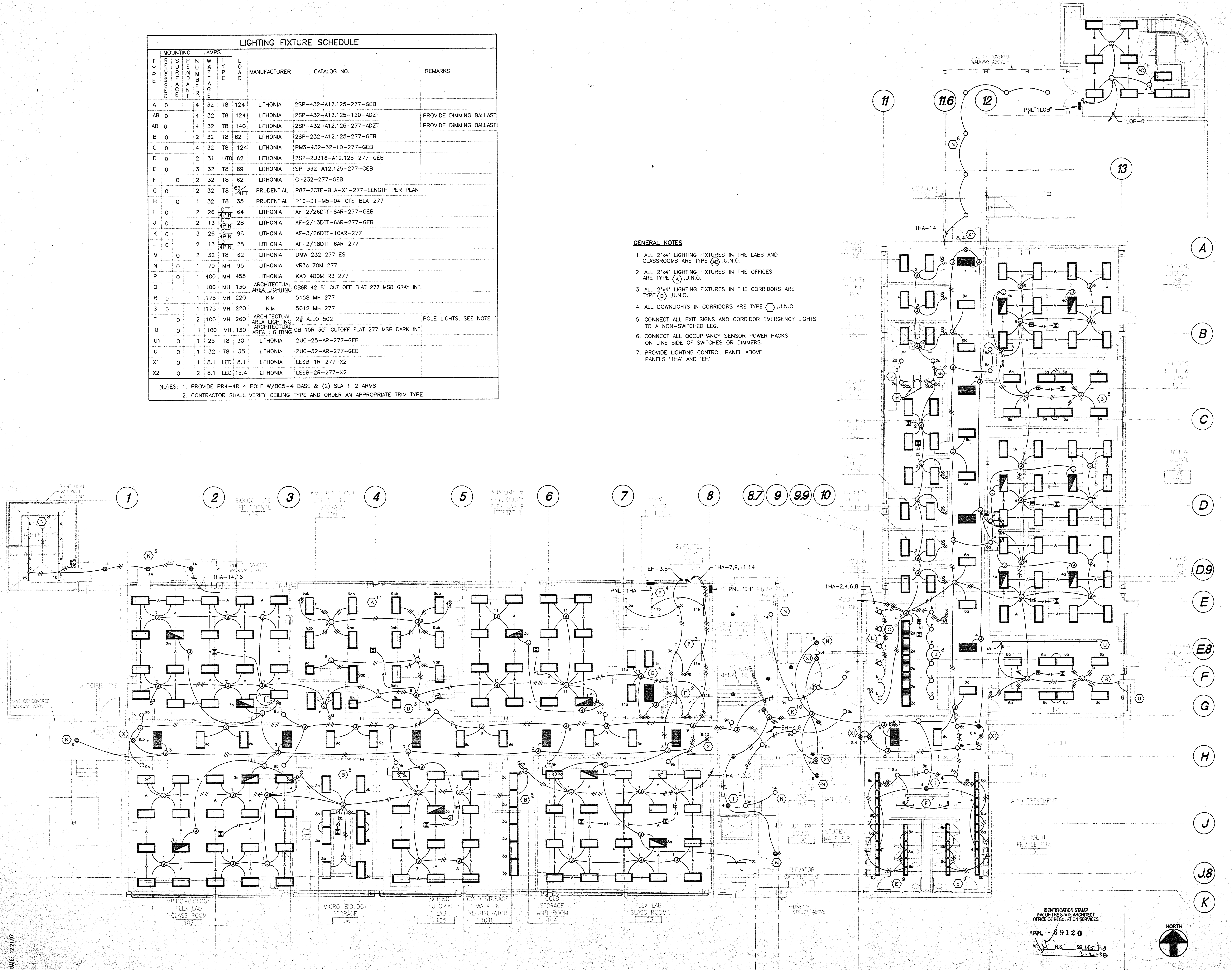
LIGHTING FIXTURE SCHEDULE

TYPE	MOUNTING RECESSED	MOUNTING SURFACE	MOUNTING PENDANT	LAMPS NUMBER	LAMPS WATTAGE	LAMPS TYPE	LOAD	MANUFACTURER	CATALOG NO.	REMARKS
A	0			4	32	T8	124	LITHONIA	2SP-432-A12.125-277-GEB	
AB	0			4	32	T8	124	LITHONIA	2SP-432-A12.125-120-ADZT	PROVIDE DIMMING BALLAST
AD	0			4	32	T8	140	LITHONIA	2SP-432-A12.125-277-ADZT	PROVIDE DIMMING BALLAST
B	0			2	32	T8	62	LITHONIA	2SP-232-A12.125-277-GEB	
C	0			4	32	T8	124	LITHONIA	PM3-432-32-LD-277-GEB	
D	0			2	31	UT8	62	LITHONIA	2SP-2U316-A12.125-277-GEB	
E	0			3	32	T8	89	LITHONIA	SP-332-A12.125-277-GEB	
F		0		2	32	T8	62	LITHONIA	C-232-277-GEB	
G	0			2	32	T8	62/4FT	PRUDENTIAL	P87-2CTE-BLA-X1-277-LENGTH PER PLAN	
H		0		1	32	T8	35	PRUDENTIAL	P10-D1-M5-04-CTE-BLA-277	
I	0			2	26	DTT/4PIN	64	LITHONIA	AF-2/26DTT-8AR-277-GEB	
J	0			2	13	DTT/4PIN	28	LITHONIA	AF-2/13DTT-6AR-277-GEB	
K	0			3	26	DTT/4PIN	96	LITHONIA	AF-3/26DTT-10AR-277	
L	0			2	13	DTT/4PIN	28	LITHONIA	AF-2/18DTT-6AR-277	
M		0		2	32	T8	62	LITHONIA	DMW 232 277 ES	
N		0		1	70	MH	95	LITHONIA	VR3c 70M 277	
P		0		1	400	MH	455	LITHONIA	KAD 400M R3 277	
Q				1	100	MH	130	ARCHITECTUAL AREA LIGHTING	CB9R 42 8" CUT OFF FLAT 277 MSB GRAY INT.	
R	0			1	175	MH	220	KIM	5158 MH 277	
S	0			1	175	MH	220	KIM	5012 MH 277	
T		0		2	100	MH	260	ARCHITECTUAL AREA LIGHTING	2# ALLO 502	POLE LIGHTS, SEE NOTE 1
U		0		1	100	MH	130	ARCHITECTUAL AREA LIGHTING	CB 15R 30" CUTOFF FLAT 277 MSB DARK INT.	
U1		0		1	25	T8	30	LITHONIA	2UC-25-AR-277-GEB	
U		0		1	32	T8	35	LITHONIA	2UC-32-AR-277-GEB	
X1		0		1	8.1	LED	8.1	LITHONIA	LESB-1R-277-X2	
X2		0		2	8.1	LED	15.4	LITHONIA	LESB-2R-277-X2	

NOTES: 1. PROVIDE PR4-4R14 POLE W/BC5-4 BASE & (2) SLA 1-2 ARMS
2. CONTRACTOR SHALL VERIFY CEILING TYPE AND ORDER AN APPROPRIATE TRIM TYPE.

GENERAL NOTES

1. ALL 2'x4' LIGHTING FIXTURES IN THE LABS AND CLASSROOMS ARE TYPE ⟨AD⟩ ,U.N.O.
2. ALL 2'x4' LIGHTING FIXTURES IN THE OFFICES ARE TYPE ⟨A⟩ ,U.N.O.
3. ALL 2'x4' LIGHTING FIXTURES IN THE CORRIDORS ARE TYPE ⟨B⟩ ,U.N.O.
4. ALL DOWNLIGHTS IN CORRIDORS ARE TYPE ⟨I⟩ ,U.N.O.
5. CONNECT ALL EXIT SIGNS AND CORRIDOR EMERGENCY LIGHTS TO A NON-SWITCHED LEG.
6. CONNECT ALL OCCUPPANCY SENSOR POWER PACKS ON LINE SIDE OF SWITCHES OR DIMMERS.
7. PROVIDE LIGHTING CONTROL PANEL ABOVE PANELS '1HA' AND 'EH'



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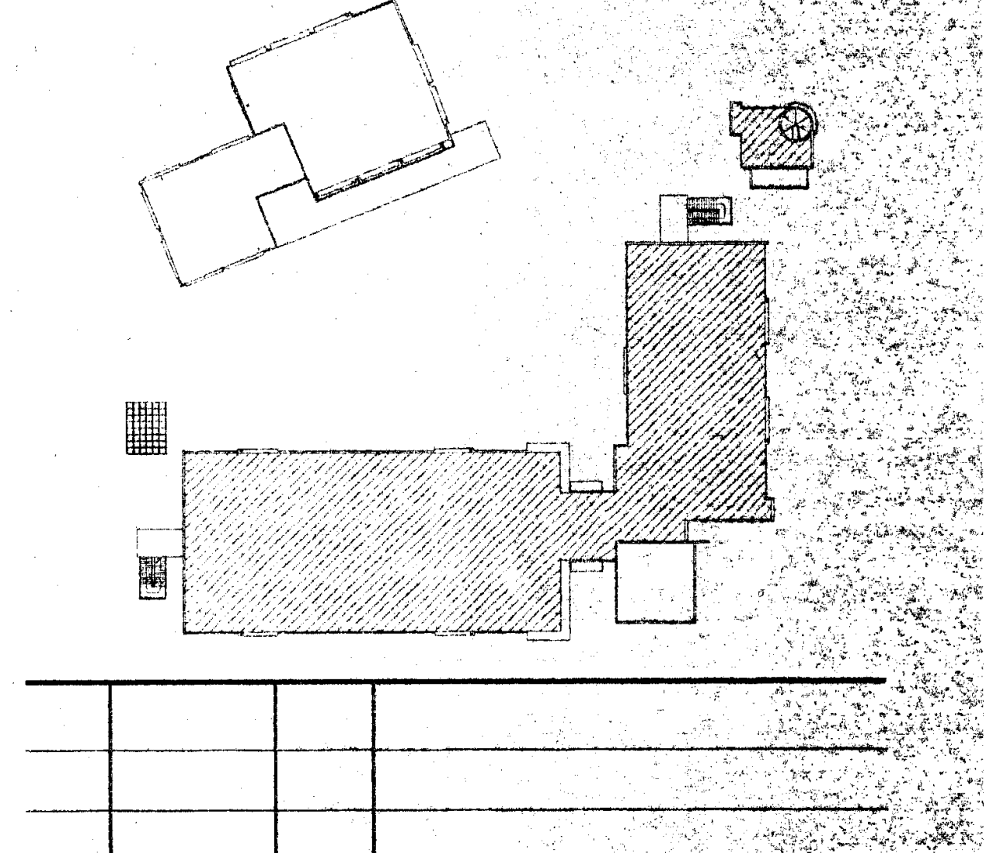
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

FIRST FLOOR LIGHTING PLAN

FILE:
SCALE 1/8"=1'-0"
JOB NO.
DATE 12.21.97

SHEET NO.
E1.3
OF ____ SHEETS

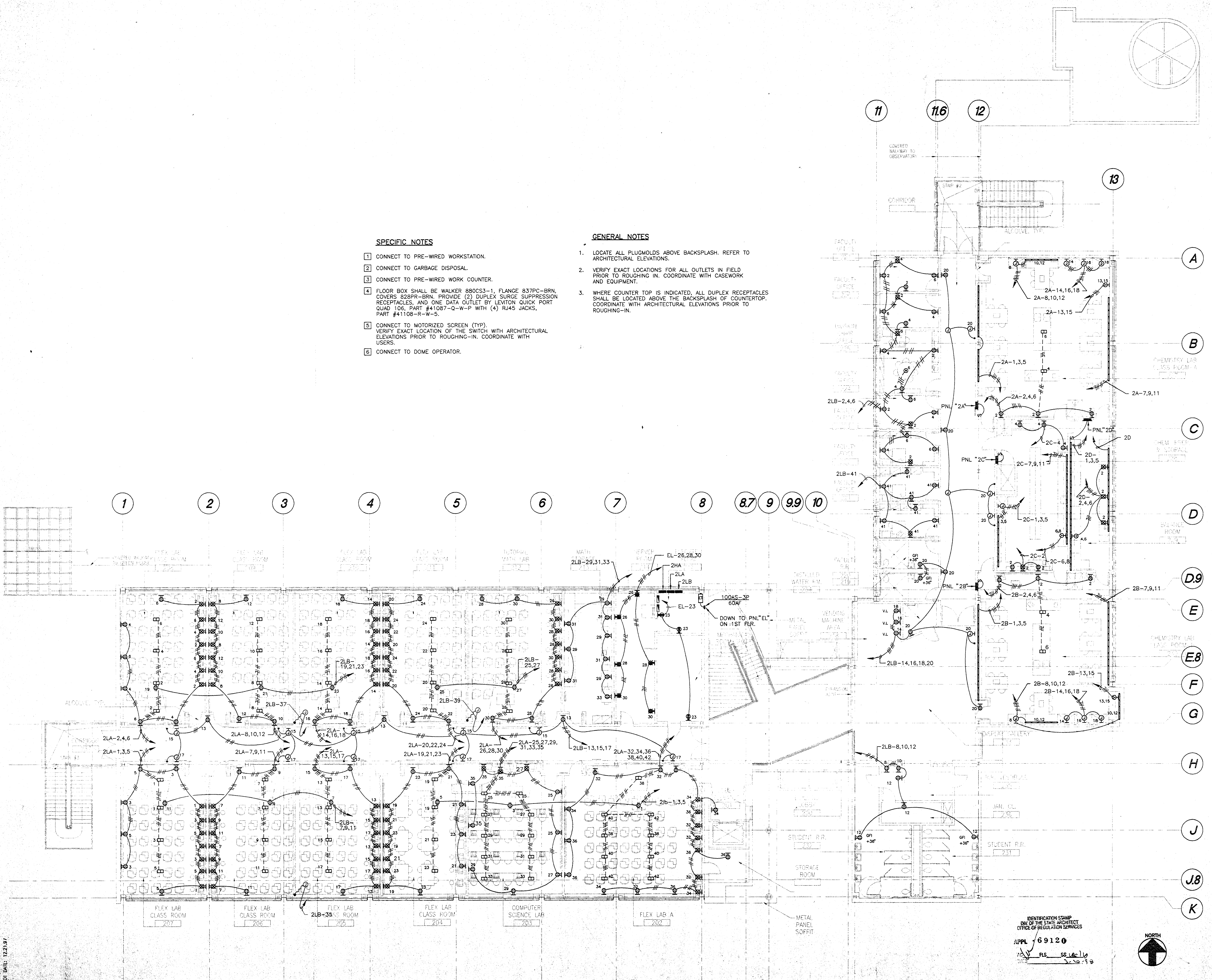
PLOT DATE: 12.21.97

SPECIFIC NOTES

1. CONNECT TO PRE–WIRED WORKSTATION.
2. CONNECT TO GARBAGE DISPOSAL.
3. CONNECT TO PRE–WIRED WORK COUNTER.
4. FLOOR BOX SHALL BE WALKER 880CS3–1, FLANGE 837PC–BRN, COVERS 828PR–BRN. PROVIDE (2) DUPLEX SURGE SUPPRESSION RECEPTACLES, AND ONE DATA OUTLET BY LEVITON QUICK PORT QUAD 106, PART #41087–Q–W–P WITH (4) RJ45 JACKS, PART #41108–R–W–5.
5. CONNECT TO MOTORIZED SCREEN (TYP). VERIFY EXACT LOCATION OF THE SWITCH WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGHING–IN. COORDINATE WITH USERS.
6. CONNECT TO DOME OPERATOR.

GENERAL NOTES

1. LOCATE ALL PLUGMOLDS ABOVE BACKSPLASH. REFER TO ARCHITECTURAL ELEVATIONS.
2. VERIFY EXACT LOCATIONS FOR ALL OUTLETS IN FIELD PRIOR TO ROUGHING IN. COORDINATE WITH CASEWORK AND EQUIPMENT.
3. WHERE COUNTER TOP IS INDICATED, ALL DUPLEX RECEPTACLES SHALL BE LOCATED ABOVE THE BACKSPLASH OF COUNTERTOP. COORDINATE WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGHING–IN.



IDENTIFICATION STAMP
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AC FLS SS
DATE 3-20-98

PLOT DATE: 12.21.97

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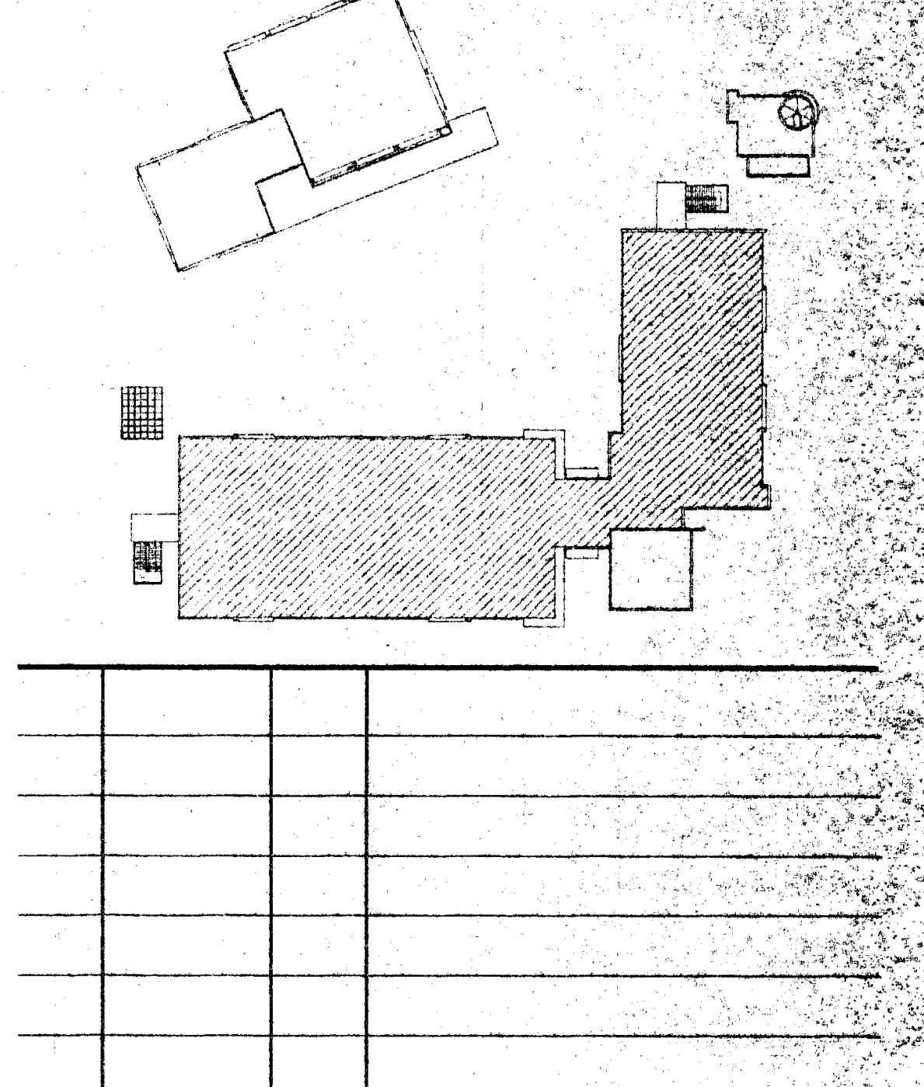


NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

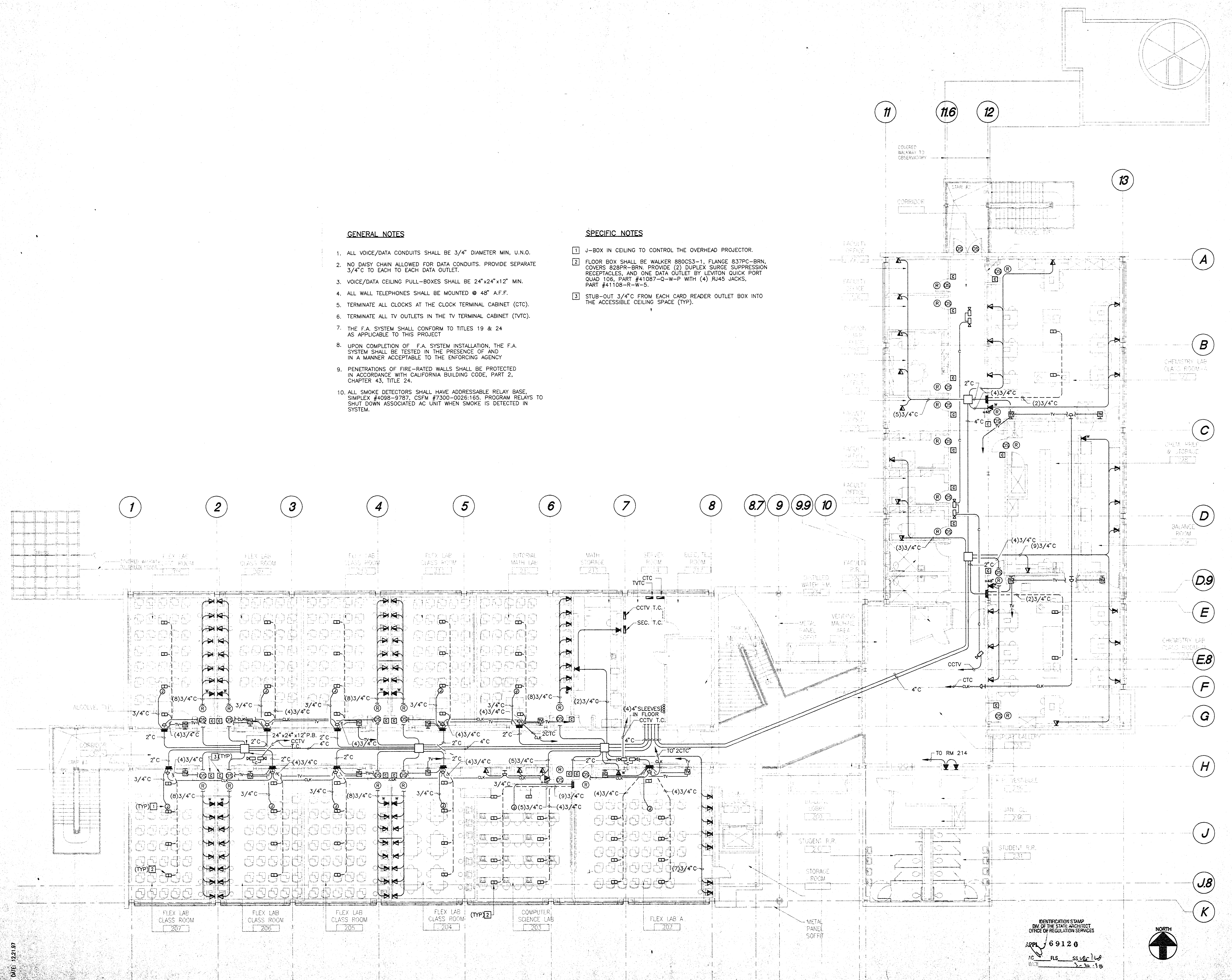
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

SECOND FLOOR
POWER PLAN

FILE:
SCALE 1/8"=1'–0"
JOB NO.
DATE 12.21.97

SHEET NO.
E2.1
OF ______ SHEETS



GENERAL NOTES

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5. TERMINATE ALL CLOCKS AT THE CLOCK TERMINAL CABINET (CTC).
6. TERMINATE ALL TV OUTLETS IN THE TV TERMINAL CABINET (TVTC).
7. THE F.A. SYSTEM SHALL CONFORM TO TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT
8. UPON COMPLETION OF F.A. SYSTEM INSTALLATION, THE F.A. SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY
9. PENETRATIONS OF FIRE-RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 43, TITLE 24.
10. ALL SMOKE DETECTORS SHALL HAVE ADDRESSABLE RELAY BASE, SIMPLEX #4098-9787, CSFM #7300-0026:165. PROGRAM RELAYS TO SHUT DOWN ASSOCIATED AC UNIT WHEN SMOKE IS DETECTED IN SYSTEM.

SPECIFIC NOTES

1 J-BOX IN CEILING TO CONTROL THE OVERHEAD PROJECTOR.

2 FLOOR BOX SHALL BE WALKER 880CS3-1, FLANGE 837PC-BRN, COVERS 828PR-BRN. PROVIDE (2) DUPLEX SURGE SUPPRESSION RECEPTACLES, AND ONE DATA OUTLET BY LEVITON QUICK PORT QUAD 106, PART #41087-Q-W-P WITH (4) RJ45 JACKS, PART #41108-R-W-5.

3 STUB-OUT 3/4"C FROM EACH CARD READER OUTLET BOX INTO THE ACCESSIBLE CEILING SPACE (TYP).

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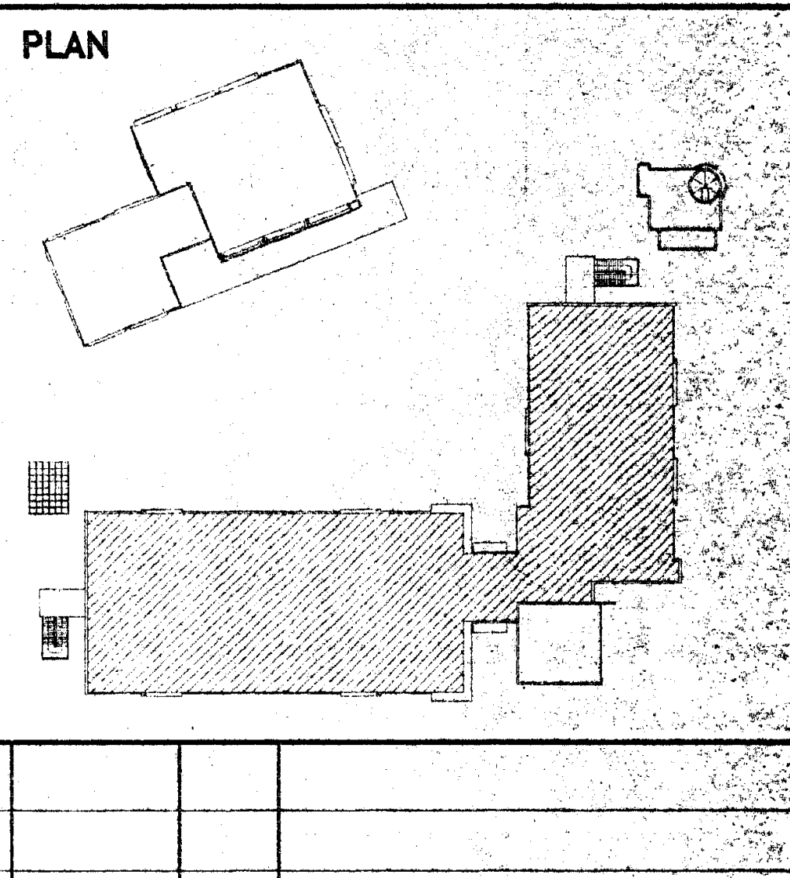

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PROJECT

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PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

SECOND FLOOR SIGNAL PLAN

FILE:
SCALE 1/8"=1'-0"
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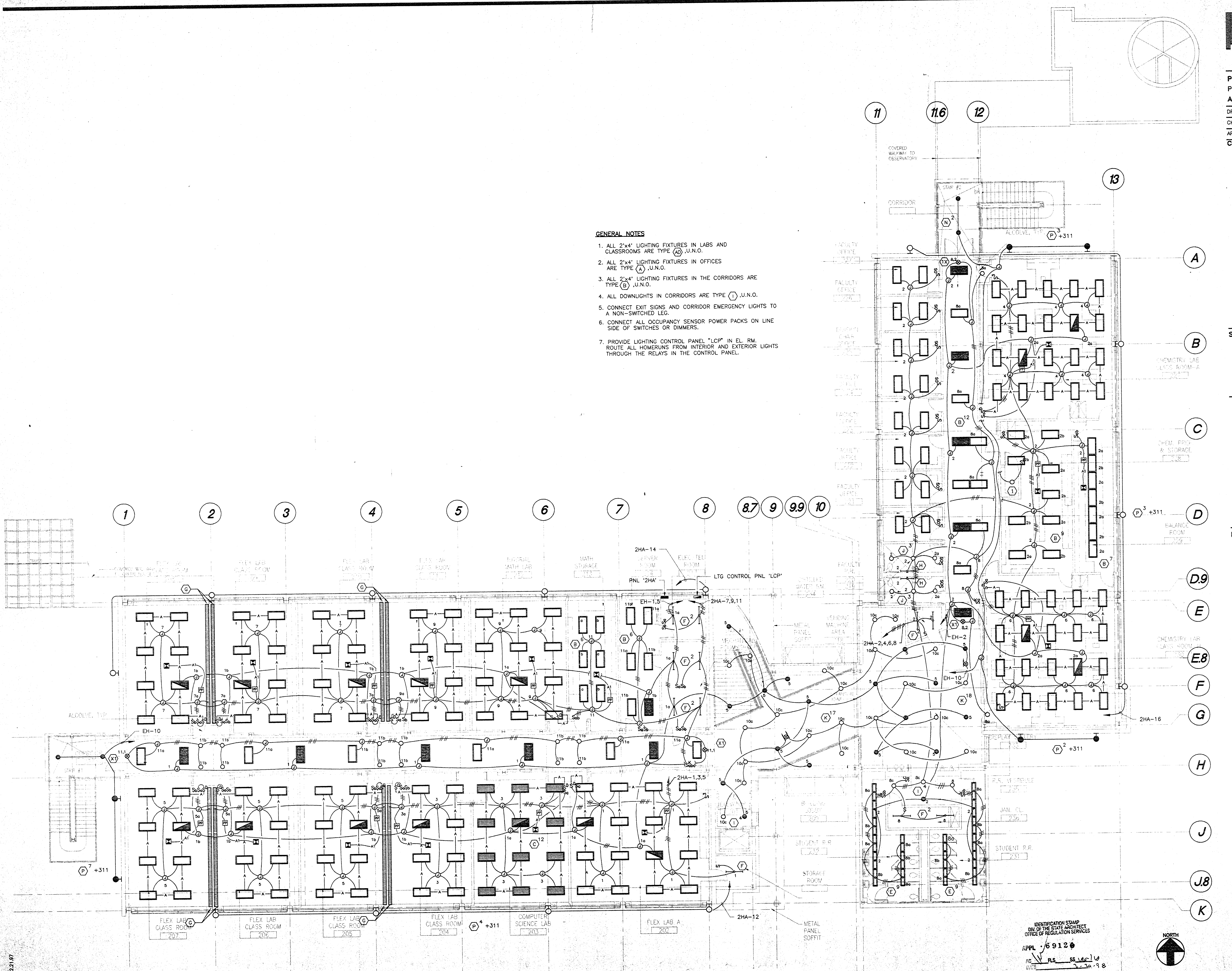
SHEET NO.
E2.2
OF ____ SHEETS



GENERAL NOTES

1. ALL 2'x4' LIGHTING FIXTURES IN LABS AND CLASSROOMS ARE TYPE ⟨AD⟩ ,U.N.O.
2. ALL 2'x4' LIGHTING FIXTURES IN OFFICES ARE TYPE ⟨A⟩ ,U.N.O.
3. ALL 2'x4' LIGHTING FIXTURES IN THE CORRIDORS ARE TYPE ⟨B⟩ ,U.N.O.
4. ALL DOWNLIGHTS IN CORRIDORS ARE TYPE ⟨I⟩ ,U.N.O.
5. CONNECT EXIT SIGNS AND CORRIDOR EMERGENCY LIGHTS TO A NON-SWITCHED LEG.
6. CONNECT ALL OCCUPANCY SENSOR POWER PACKS ON LINE SIDE OF SWITCHES OR DIMMERS.
7. PROVIDE LIGHTING CONTROL PANEL "LCP" IN EL. RM. ROUTE ALL HOMERUNS FROM INTERIOR AND EXTERIOR LIGHTS THROUGH THE RELAYS IN THE CONTROL PANEL.

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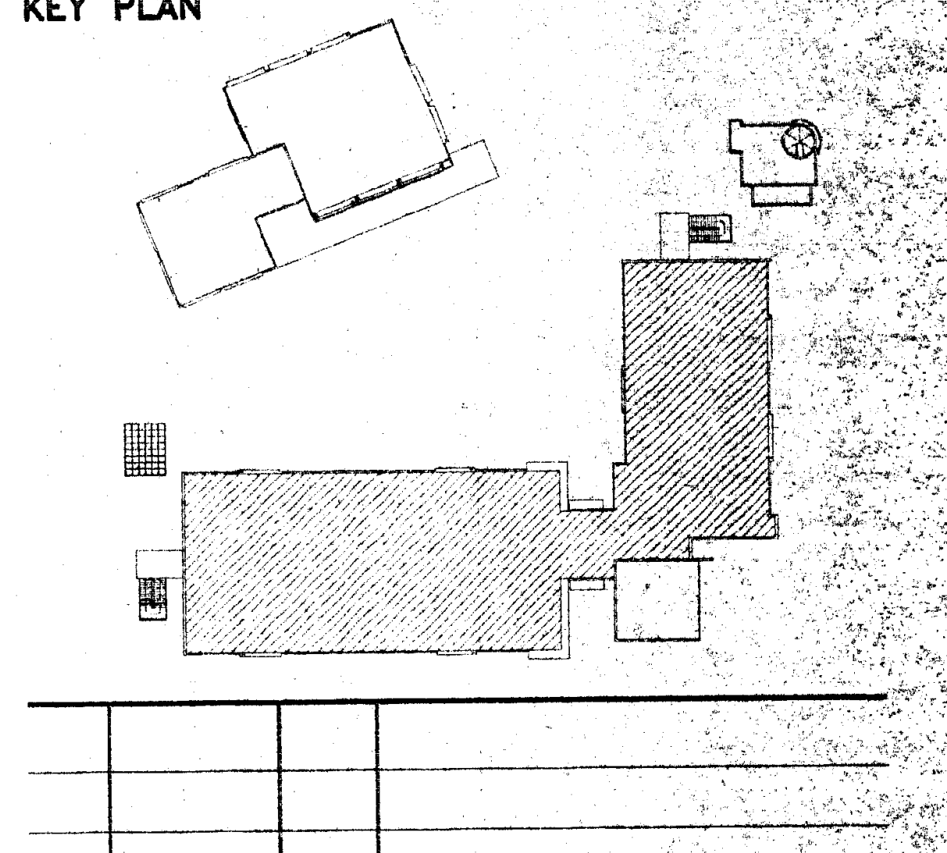

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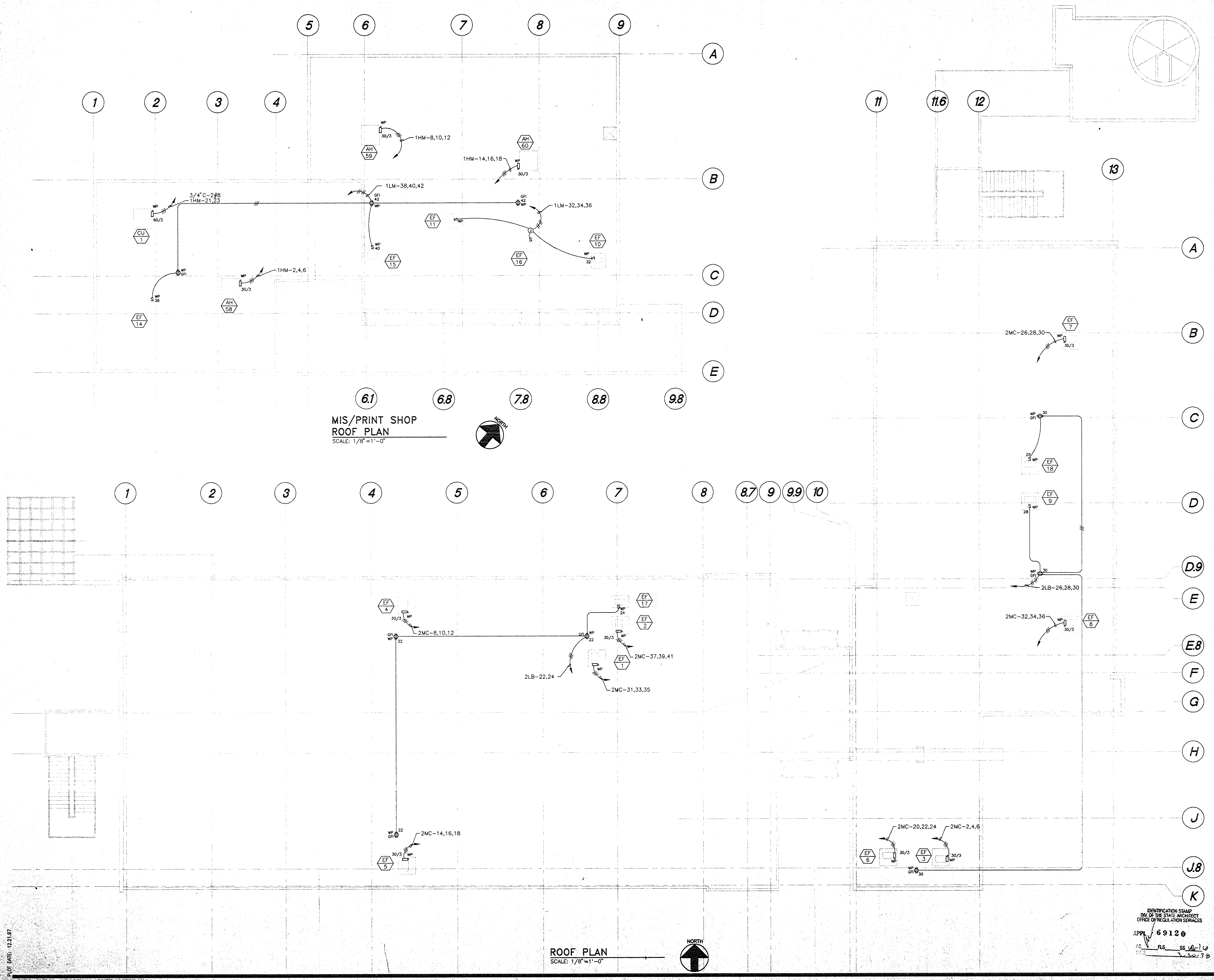
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

SECOND FLOOR LIGHTING PLAN

FILE:
SCALE 1/8"=1'-0"
JOB NO.
DATE 12.21.97
SHEET NO. E2.3
OF ____ SHEETS



MIS/PRINT SHOP
ROOF PLAN
SCALE: 1/8"=1'-0"

ROOF PLAN
SCALE: 1/8"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC ___ FLS ___ SS Mr-1 W
DATE 3-20-98

Jenkins/Gales & Martinez, Inc.
Project & Construction Management

5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721

Architects • Engineers • Planners

PROGRAMMING
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DRAWN	
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CONSULTANT

CIVIL:
WAGNER ENGINEERING & SURVEY, INC.
14930 VENTURA BLVD., STE. 240
SHERMAN OAKS, CA 91403
818-995-9880
818-995-9877 FAX

LANDSCAPE:
DSK LANDSCAPE ARCHITECTS
3333 WILSHIRE BLVD. SUITE 103
LOS ANGELES, CA. 90010
213-382-3113
213-382-2669 FAX

STRUCTURAL:
JOHN A. MARTIN & ASSOCIATES, INC.
1212 S. FLOWER
LOS ANGELES, CA 90015
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MECHANICAL & PLUMBING:
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ELECTRICAL:
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8780 NATIONAL BLVD., STE. 206
CULVER CITY, CA. 90232
310-202-0246
310-202-0678 FAX

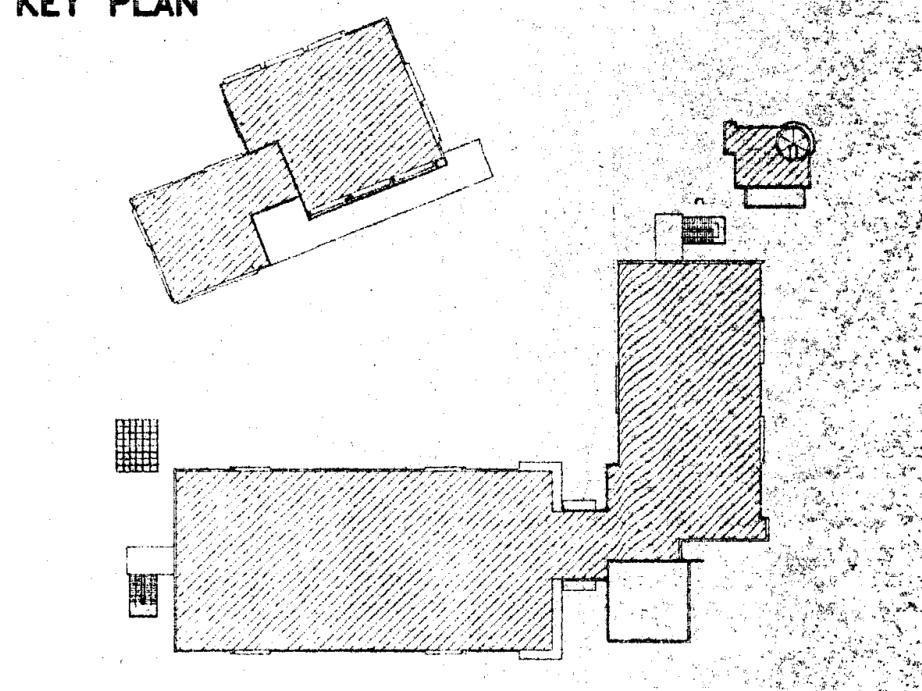
SEAL

FELIX ROTH
No. 012941
Exp. 3-31-01
ELECTRICAL

MORRIS R. POINDEXTER
C-13000
3-31-99
RENEWAL DATE

SILVER,ROTH & ASSOCIATES.INC.
CONSULTING ELECTRICAL ENGINEERS
511 SOUTH FAIRFAX AVENUE
LOS ANGELES, CALIF 90036-3130
(213) 933-3700 REG.NO. E 12941

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

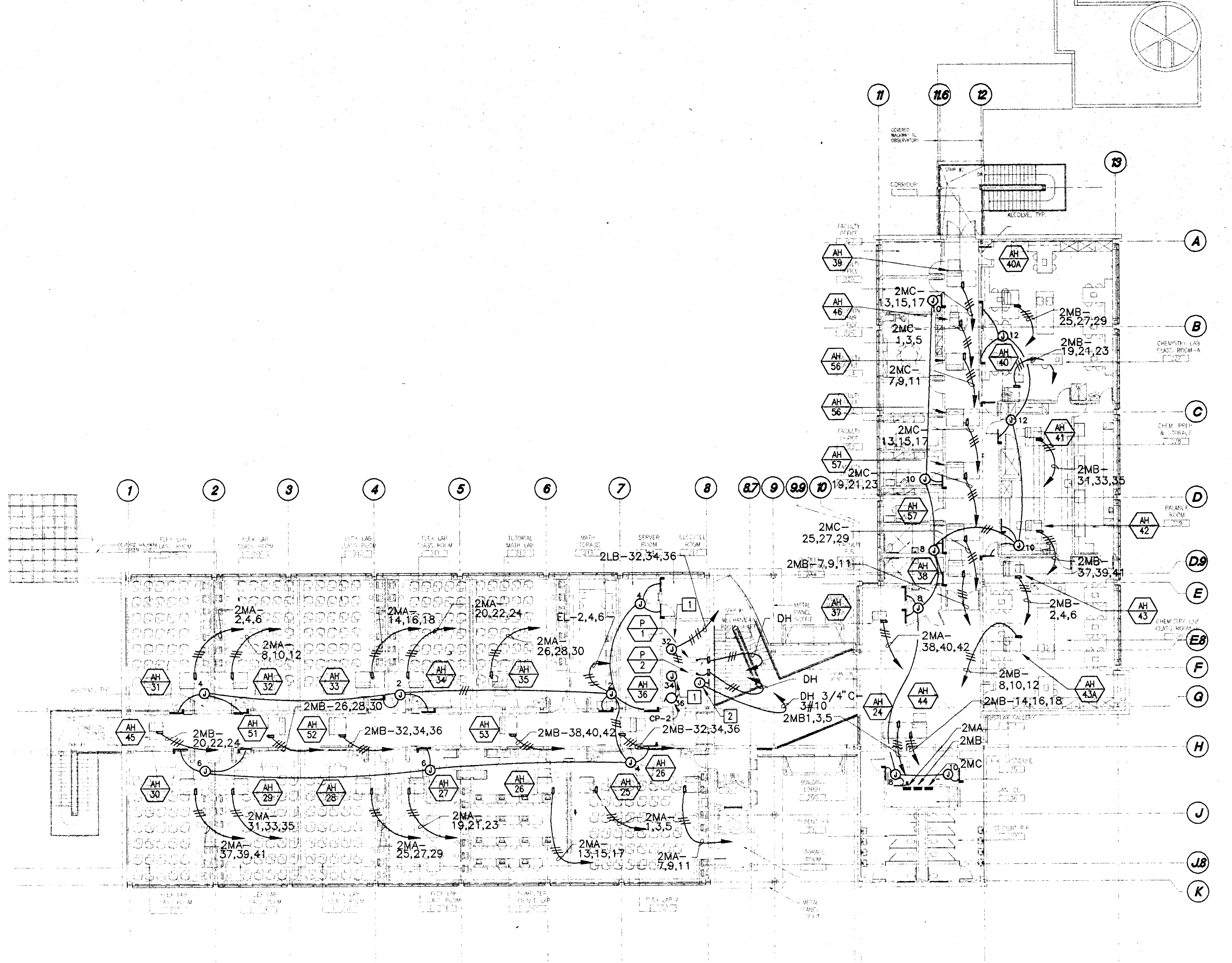
SHEET TITLE

ROOF
POWER PLANS

FILE:	SHEET NO.
SCALE 1/8"=1'-0"	**E3.1**
JOB NO.	
DATE 12.21.97	OF ___ SHEETS

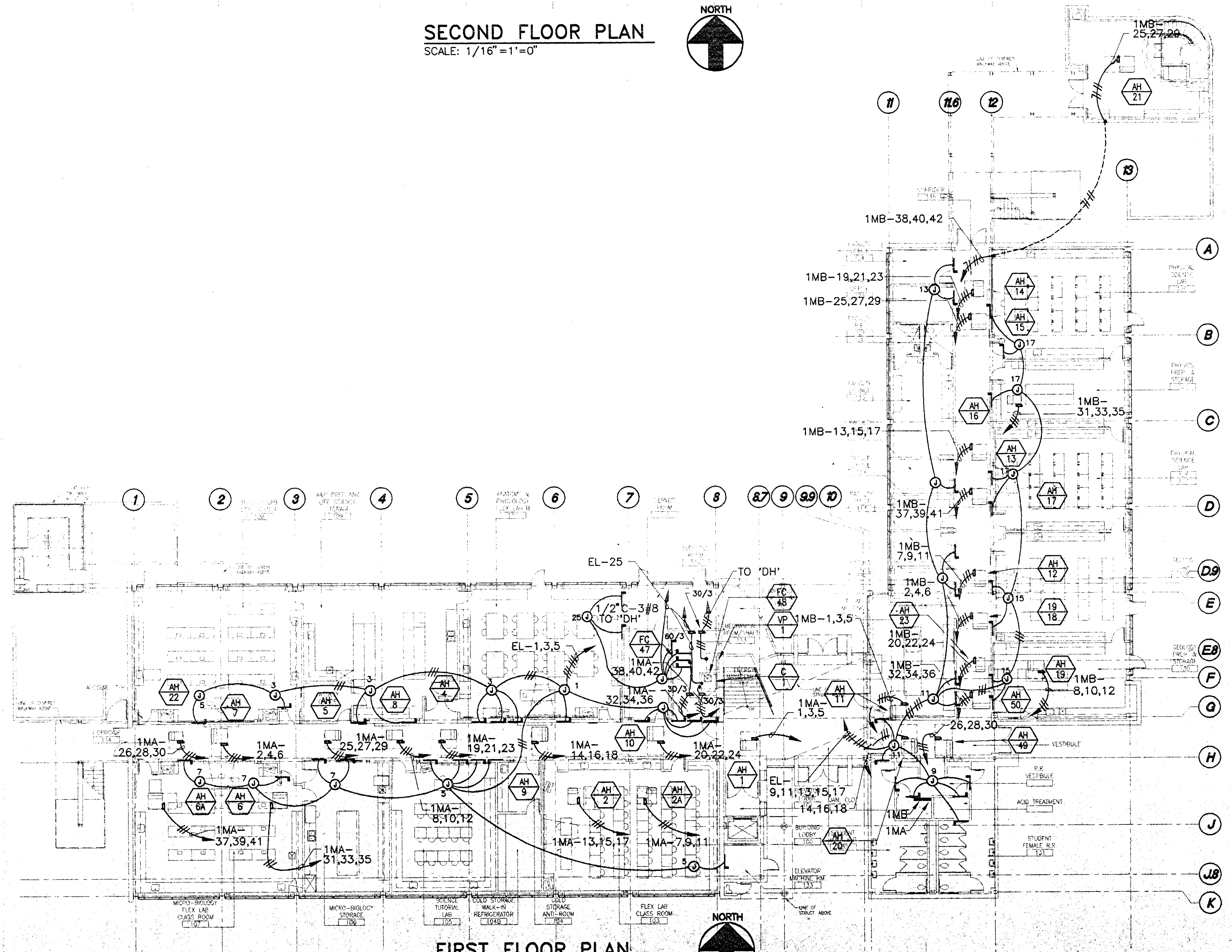
PLOT DATE: 12.21.97

PLOTTED: 12/22/97 FILE NAME: C:\...\COMPTON CC\COMPCC-E31.dwg



SECOND FLOOR PLAN
SCALE: 1/16"=1'-0"

NORTH



FIRST FLOOR PLAN
SCALE: 1/16"=1'-0"

NORTH

GENERAL NOTES

1. ALL DISCONNECT SWITCHES ON AH UNITS SHALL BE 30A, 3P, NON-FUSIBLE, 480 VOLTS, U.N.O.

SPECIFIC NOTES

CONNECT TO BOILER FAN

CONNECT TO BOOSTER PUMP CONTROL PANEL.

[1]

[2]

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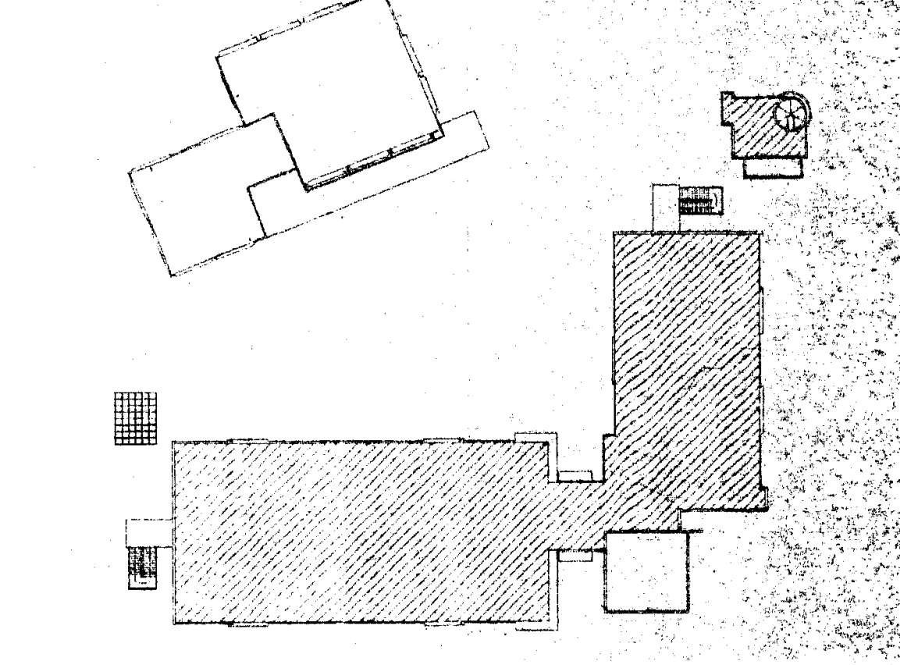
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

FIRST AND SECOND FLOOR MECHANICAL EQUIPMENT

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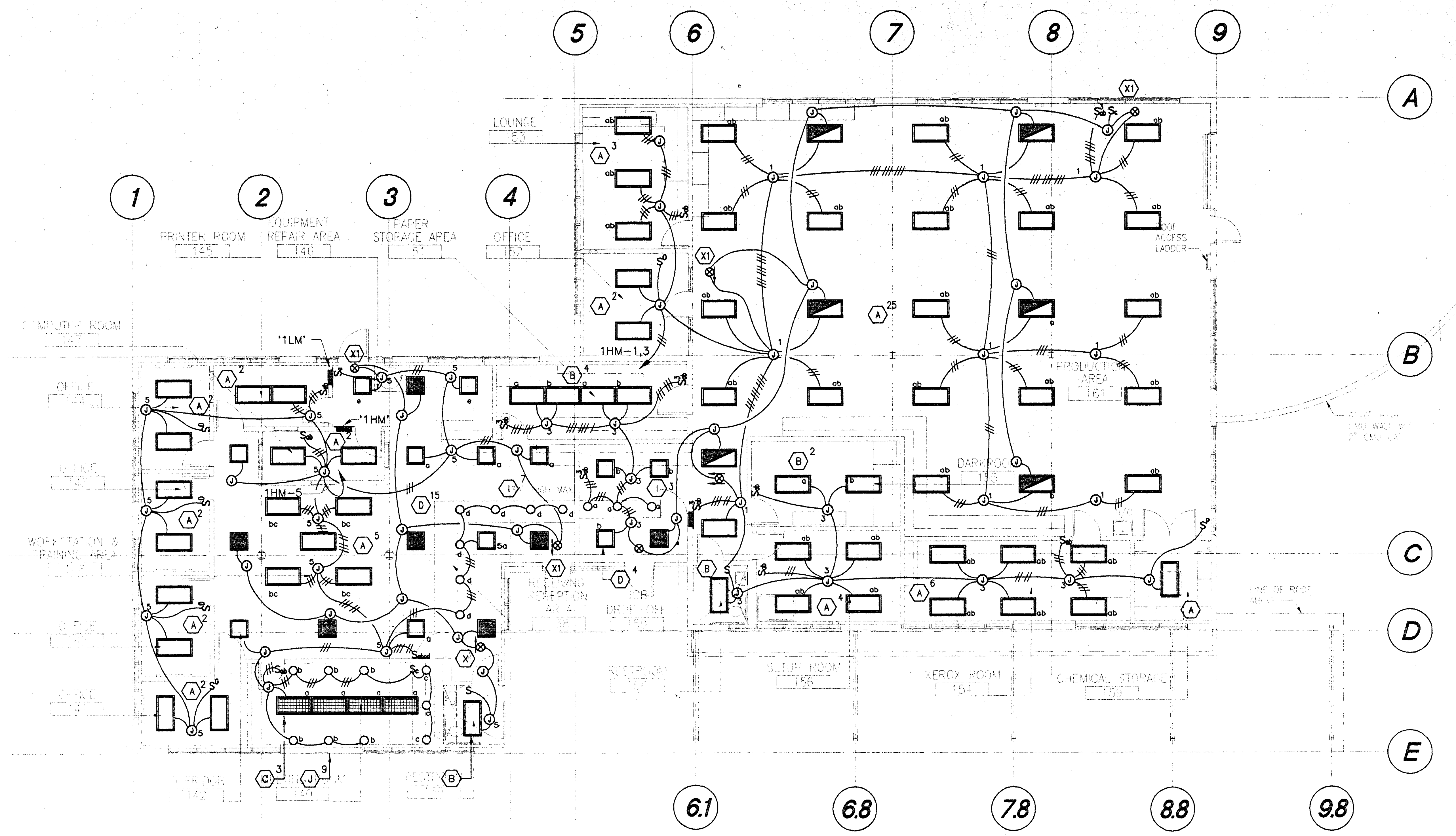
APPL 69120
AC W FLS SS VG 1/0
DATE 3-10-98

FILE:
SCALE: 1/16"=1'-0"
JOB NO.
DATE 12.21.97

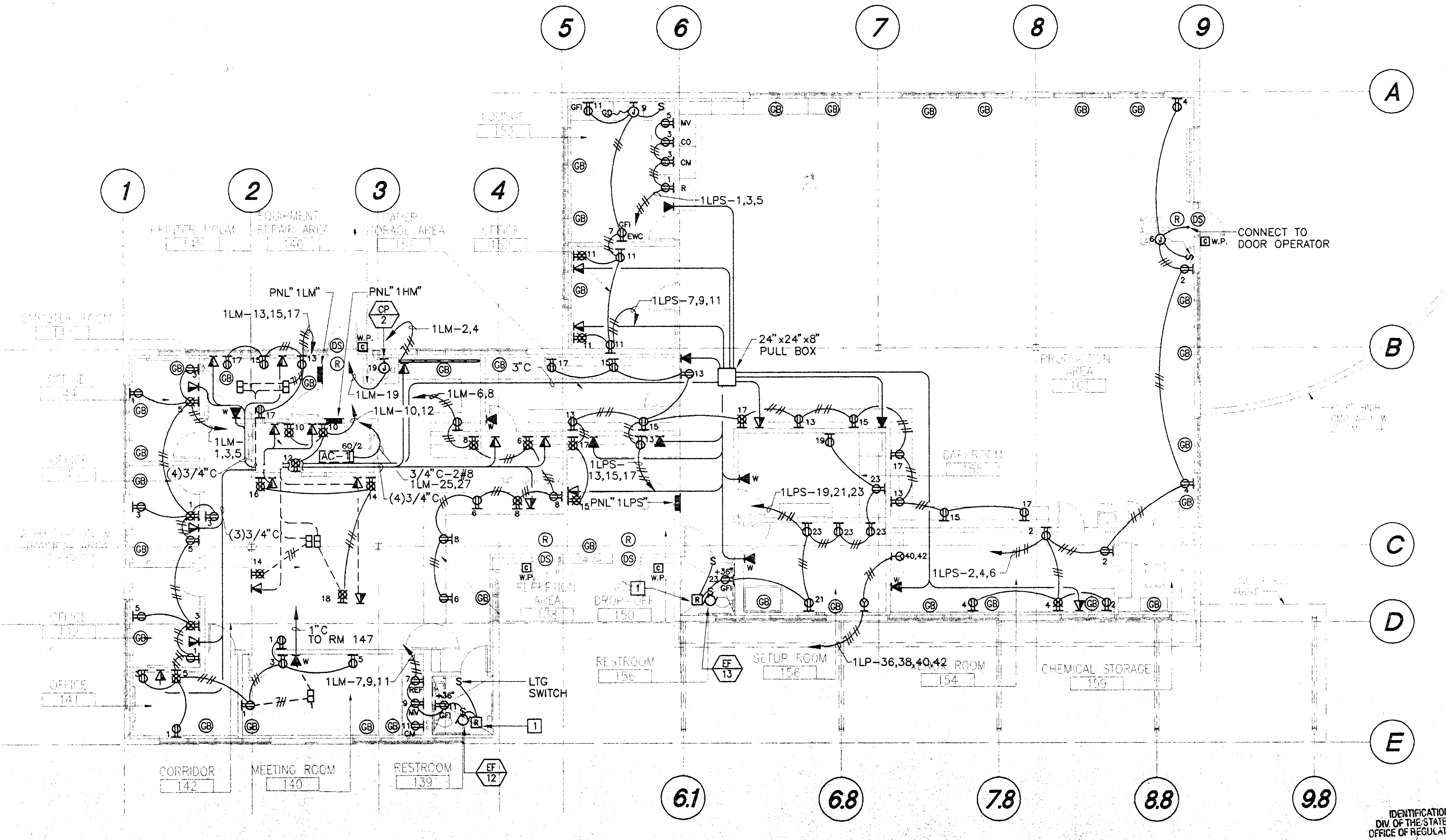
SHEET NO.
E3.2
OF SHEETS

PLOT DATE: 12.21.97



MIS/PRINTING SHOP LIGHTING PLAN

SCALE: 1/8"=1'-0"



MIS/PRINTING SHOP POWER AND SIGNAL PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES

1. THE SYSTEM SHALL CONFORM TO TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT
2. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY
3. PENETRATIONS OF FIRE-RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 43, TITLE 24.
4. LOCATE ALL PLUGMOLDS ABOVE BACKSPLASH. REFER TO ARCHITECTURAL ELEVATIONS.
5. VERIFY EXACT LOCATIONS FOR ALL OUTLETS IN FIELD PRIOR TO ROUGHING IN. COORDINATE WITH CASEWORK AND EQUIPMENT.
6. WHERE COUNTER TOP IS INDICATED, ALL DUPLEX RECEPTACLES SHALL BE LOCATED ABOVE THE BACKSPLASH OF COUNTERTOP. COORDINATE WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGHING-IN.

SPECIFIC NOTES

1 CONNECT TO LIGHTING SWITCH VIA RELAY

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AC ___ FLS ___ SS VG 1W
DATE 3-10-98

PLOT DATE: 12.21.97

PLOTTED: 12/22/97 FILE NAME: C:\..\COMPTON CC\COMPCC-E41.dwg

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SEAL

FELIX ROTH
No. 012941
Exp. 3-31-01

MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

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CONSULTING ELECTRICAL ENGINEERS
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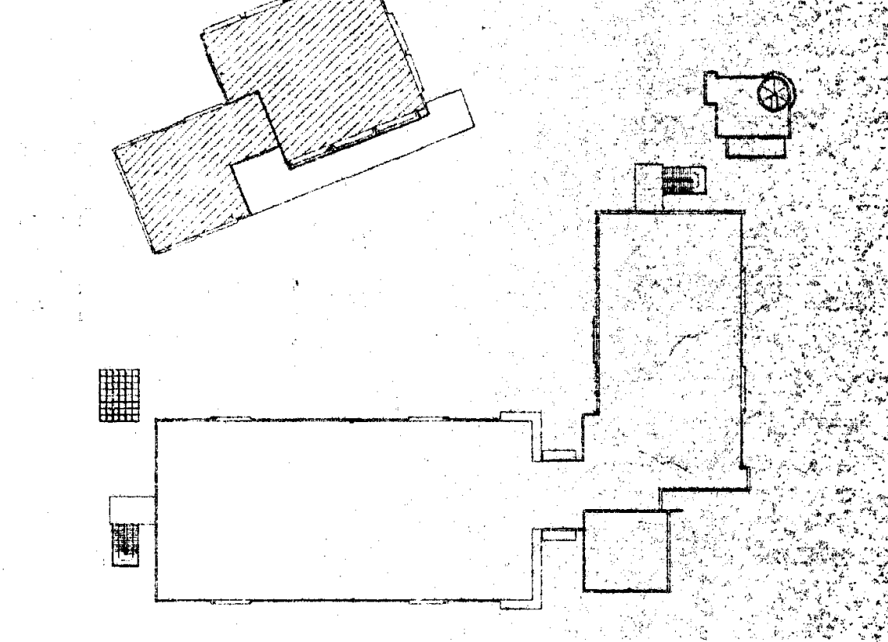
LOS ANGELES, CALIF 90036-3130
(213) 933-3700 REG.NO. E 12941

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

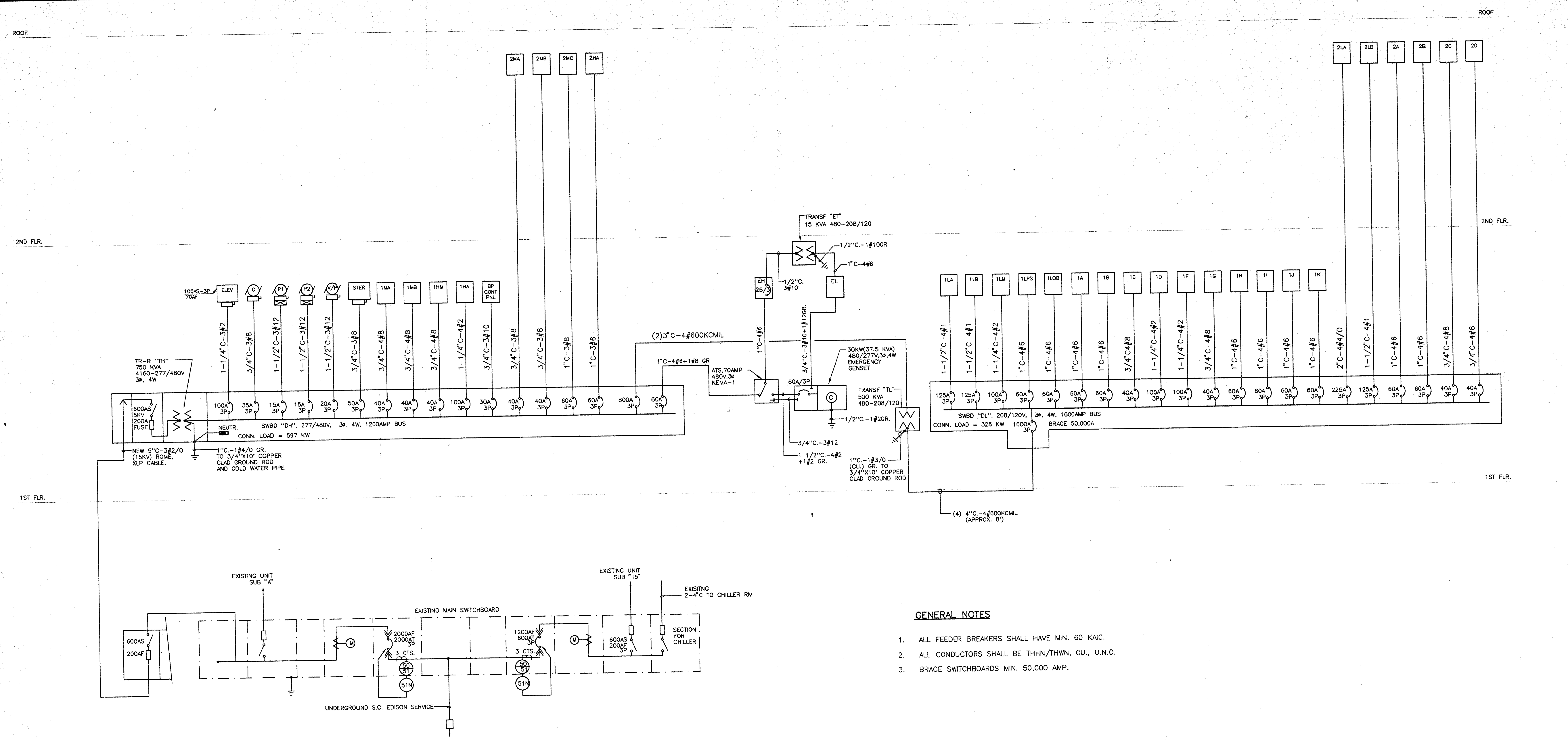
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MIS/PRINT SHOP BUILDING POWER, SIGNAL AND LIGHTING PLANS

FILE:
SCALE 1/8"=1'-0"
JOB NO.
DATE 12.21.97

SHEET NO.
E4.1
OF ____ SHEETS



GENERAL NOTES

1. ALL FEEDER BREAKERS SHALL HAVE MIN. 60 KAIC.
2. ALL CONDUCTORS SHALL BE THHN/THWN, CU., U.N.O.
3. BRACE SWITCHBOARDS MIN. 50,000 AMP.

ONE LINE DIAGRAM (A / E5.1)
SCALE: NTS

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FELIX ROTH
No. 012941
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ELECTRICAL

MORRIS R. POINDEXTER
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(213) 933–3700 REG.NO. E 12941

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
ONE LINE DIAGRAM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC ___ FLS ___ SS ___
DATE 3-20-98

FILE:
SCALE AS NOTED
JOB NO.
DATE 12.21.97

SHEET NO.
E5.1
OF ___ SHEETS

PLOT DATE: 12.21.97

PLOTTED: 12/22/97 FILE NAME: C:\...\COMPTON CC\COMPCC-E51.dwg

PANEL: EH

PANEL VOLTAGE: 480/277 3ø 4 W
BUS: 100A
MAINS: MLO
AIC RATING: 14,000
DATE: 12/20/97 TIME: 13:36:29
JOB: CCC

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	ØA	ØB	ØC	ABC	ØA	ØB	ØC	L	R	M	(NOTE)	DESCRIPTION				
1	L	20	1	ROOM 202-215, CORR.		2		21	1415				990			14		2		CORR,227,230,TOIL	20	1	L	2
3	L	20	1	103-5,107,108,110-4,COR		2		19		1190				1082		17		4		CORR,126,128,129,TOIL	20	1	L	4
5	L	20	1	NW BOLLARDS-EXT.				7			910				910	7				SW BOLLARDS-EXT.	20	1	L	6
7	L	20	1	SOUTH BOLLARDS-EXT.				4	520				665			7				EXTERIOR CONOPIES	20	1	L	8
9	L	20	1	NORTH POLES-EXT.				9		2340				1910		10				EXT. STAIR LIGHTING	20	1	L	10
11	L	20	1	WEST POLES-EXT.				8			2080									SPARE	20	1		12
13		20	1	SPARE																SPARE	20	1		14
15		20	1	SPARE																SPARE	20	1		16
17		20	1	SPARE																SPARE	20	1		18
19				SPACE																SPACE				20
21				SPACE																SPACE				22
23				SPACE																SPACE				24
25				SPACE																SPACE				26
27				SPACE																SPACE				28
29				SPACE																SPACE				30

PANEL NOTES:

PHASE TOTALS ØA: 3590 ØB: 6522 Ø2080 3900

TOTAL CONNECTED VA	14012
CONNECTED VA (CODE N)	0
CONNECTED VA (CODE L)	14012
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	14.0
PANEL DEMAND KVA	17.5
PANEL DEMAND AMPS	21.1
HIGH ø AMPS W/LCL	29.4

PANEL: 2HA

PANEL VOLTAGE: 480/277 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 14,000
DATE: 12/20/97 TIME: 13:35:43
JOB: COMPTON

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	ØA	ØB	ØC	ABC	ØA	ØB	ØC	L	R	M	(NOTE)	DESCRIPTION				
1	L	20	1	ROOM 202					2240				3734							ROOM 219-227,229,29A	20	1	L	2
3	L	20	1	ROOM 203,204						2800				2800						ROOM 228	20	1	L	4
5	L	20	1	ROOM 205,206,207							3360				2800					ROOM 230	20	1	L	6
7	L	20	1	ROOM 208,209,210					3360				2008							CORRIDOR,TOILET	20	1	L	8
9	L	20	1	ROOM 211,212						2800										LOBBY	20	1	L	10
11	L	20	1	ROOM,213-217,CORR.							2254				1820	4				EXT. SEC. LIGHTS	20	1		12
13		20	1	SPARE									2275			5				EXT. SEC. LIGHTS	20	1		14
15		20	1	SPARE										1820		4				EXT. SEC. LIGHTS	20	1		16
17		20	1	SPARE																SPARE	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21				SPACE																SPACE				22
23				SPACE																SPACE				24
25				SPACE																SPACE				26
27				SPACE																SPACE				28
29				SPACE																SPACE				30
31				SPACE																SPACE				32
33				SPACE																SPACE				34
35				SPACE																SPACE				36
37				SPACE																SPACE				38
39				SPACE																SPACE				40
41				SPACE																SPACE				42

PANEL NOTES:

PHASE TOTALS ØA: 13617 ØB: 10220 ØC: 10234

TOTAL CONNECTED VA	34071
CONNECTED VA (CODE N)	5915
CONNECTED VA (CODE L)	28156
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	34.1
PANEL DEMAND KVA	41.1
PANEL DEMAND AMPS	49.5
HIGH ø AMPS W/LCL	59.4

PANEL: 1HA

PANEL VOLTAGE: 480/277 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 14,000
DATE: 12/20/97 TIME: 13:56:42
JOB: CCC

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	ØA	ØB	ØC	ABC	ØA	ØB	ØC	L	R	M	(NOTE)	DESCRIPTION				
1	L	20	1	ROOM 103				20	2800				3880			39				ROOM 115-124	20	1	L	2
3	L	20	1	ROOM 104,105,106				26		2618				3360		24				ROOM 128,129	20	1	L	4
5	L	20	1	ROOM 107				20			2800				2512	28				ROOM 126,127,130	20	1	L	6
7	L	20	1	ROOM 108				20	2800				1832					4		CORR, TOILETS	20	1	L	8
9	L	20	1	ROOM 109, CORRIDOR		2		33		2330				2340		9				NORTH POLES-EXT.	20	1	L	10
11	L	20	1	ROOM 110,111-114				23			2709				2760	10				S BOLLARDS,BLDG FLOOD	20	1	L	12
13	L	20	1	CENTRAL BOLLARDS-EXT.		14			1820				1045			11				EXTERIOR CANOPIES	20	1	L	14
15	L	20	1	TREE LTS.-EXT.		9				1980				496		8				GREEN HOUSE	20	1	L	16
17	L	20	1	WEST POLES-EXT.		8					2080									SPARE	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21				SPACE																SPACE				22
23				SPACE																SPACE				24
25				SPACE																SPACE				26
27				SPACE																SPACE				28
29				SPACE																SPACE				30
31				SPACE																SPACE				32
33				SPACE																SPACE				34
35				SPACE																SPACE				36
37				SPACE																SPACE				38
39				SPACE																SPACE				40
41				SPACE																SPACE				42

PANEL NOTES:

PHASE TOTALS ØA: 14177 ØB: 13124 ØC: 12861

TOTAL CONNECTED VA	40162
CONNECTED VA (CODE N)	0
CONNECTED VA (CODE L)	40162
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	40.2
PANEL DEMAND KVA	50.2
PANEL DEMAND AMPS	60.4
HIGH ø AMPS W/LCL	64.0

PANEL: 1LM (MIS)

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 100A
MAINS:
AIC RATING: 10,000
DATE: 12/20/97 TIME: 12:07:23
JOB: CCC

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	ØA	ØB	ØC	ABC	ØA	ØB	ØC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	140-144			6		1080				1080				6			PLUGMOLD	20	/		2
3	R	20	1	104-144			6			900				1080			6			PLUGMOLD	/	2		4
5	R	20	1	140-144			5				900				720		4			138,GENERAL OULTES	20	1	R	6
7		20	1	140,REF			1		500				720				4			138, GENERAL OUTLETS	20	1	R	8
9		20	1	140,M.V.			1			1200				360			2			147	20	1		10
11		20	1	140,C.M.			2				1030				180		1			147	20	1		12
13	R	20	1	145			3		540				360				2			148	20	1		14
15	R	20	1	145			3			540				360			2			148	20	1		16
17	R	20	1	145			3				540				360		2			148	20	1		18
19		20	1	146,CIRC. PUMP, CP-2		1			696											SPARE	20	1		20
21		35	/	CU-1	①	1				1768										SPARE	20	1		22
23		/	2	–	①	–					1768									SPARE	20	1		24
25		40	/	AC-1	①	1			2870											SPARE	20	1		26
27		/	2	–	①	–				2870										SPARE	20	1		28
29		20	1	SPARE																SPARE	20	1		30
31		20	1	SPARE									696					1		EF-10	20	1		32
33		20	1	SPARE										696				1		EF-11	20	1		34
35		20	1	SPARE											864			1		EF-16	20	1		36
37		20	1	SPARE									864					1		EF-14	20	1		38
39		20	1	SPARE										864				1		EF-15	20	1		40
41		20	1	SPARE											540		3			ROOF REC.	20	1		42

PANEL NOTES:

PHASE TOTALS ØA: 9406 ØB: 10638 ØC: 6902

① PROVIDE HARC CIRCUIT BREAKERS.

TOTAL CONNECTED VA	26946
CONNECTED VA (CODE N)	26946
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	26.9
PANEL DEMAND KVA	26.9
PANEL DEMAND AMPS	74.8
HIGH ø AMPS W/LCL	88.7

PANEL: 2LA

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 10,000
DATE: 12/20/97 TIME: 12:15:34
JOB: CCC

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	ØA	ØB	ØC	ABC	ØA	ØB	ØC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	ROOM 207			7		1260				1260				7			ROOM 208	20	1	R	2
3	R	20	1	ROOM 207			7			1260				1260			7			ROOM 208	20	1	R	4
5	R	20	1	ROOM 207			7				1260				1260		7			ROOM 208	20	1	R	6
7	R	20	1	ROOM 206			7		1260				1260				7			ROOM 209	20	1	R	8
9	R	20	1	ROOM 206			5			900				1260			7			ROOM 209	20	1	R	10
11	R	20	1	ROOM 206			6				1080				1260		7			ROOM 209	20	1	R	12
13	R	20	1	ROOM 205			7		1260				1260				7			ROOM 210	20	1	R	14
15	R	20	1	ROOM 205			5			900				1260			7			ROOM 210	20	1	R	16
17	R	20	1	ROOM 205			6				1080				1260		7			ROOM 210	20	1	R	18
19	R	20	1	ROOM 204			7		1260				1260				7			ROOM 211	20	1	R	20
21	R	20	1	ROOM 204			7			1260				1260			7			ROOM 211	20	1	R	22
23	R	20	1	ROOM 204			7				1260				1260		7			ROOM 211	20	1	R	24
25	R	20	1	ROOM 203			6		1080				1080				6			ROOM 212	20	1	R	26
27	R	20	1	ROOM 203			6			1080				1080			6			ROOM 212	20	1	R	28
29	R	20	1	ROOM 203			6				1080				1080		6			ROOM 212	20	1	R	30
31	R	20	1	ROOM 203			4		720				900				5			ROOM 202	20	1	R	32
33	R	20	1	ROOM 203			4			720				900			5			ROOM 202	20	1	R	34
35	R	20	1	ROOM 203			5				900				900		6			ROOM 202	20	1	R	36
37	R	20	1	SPARE									1080				6			ROOM 202	20	1	R	38
39	R	20	1	SPARE										1080			6			ROOM 202	20	1	R	40
41	R	20	1	SPARE											1080		6			ROOM 202	20	1	R	42

PANEL NOTES:

PHASE TOTALS ØA: 14940 ØB: 14220 ØC: 14760

TOTAL CONNECTED VA	43920
CONNECTED VA (CODE N)	0
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	43920
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	43.9
PANEL DEMAND KVA	27.0
PANEL DEMAND AMPS	74.8
HIGH ø AMPS W/LCL	124.5

PANEL: 1LA

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 10,000
DATE: 12/20/97 TIME: 12:20:14
JOB: CCC

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	ØA	ØB	ØC	ABC	ØA	ØB	ØC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	104			4		720				900				5			115, MEETING RM	20	1	R	2
3	R	20	1	104			4			720				900			5			115, MEETING RM	20	1	R	4
5	R	20	1	CORRIDOR			4				720				180		1			115, PROJECTOR	20	1	R	6
7		20	1	DISPLAY				3	300				500				1			LOBBY EDF	20	1		8
9		20	1	DISPLAY				3		300				500			1			LOBBY EDF	20	1		10
11	R	20	1	116-119			4				720				720		4			131,132,135,136	20	1	R	12
13	R	20	1	116-119			4		720				720				4			121-124	20	1	R	14
15	R	20	1	116-119						720				720			4			120,122-124	20	1	R	16
17		20	1	CORR.,DISPLAY			4	5			1220				540		3			122-124	20	1	R	18
19		20	1	119,EWC			1		500											SPARE	20	1		20
21		20	1	119, REF.			1			500										SPARE	20	1		22
23		20	1	119, M.V.			1				1200									SPARE	20	1		24
25		20	1	119, COFF. MKR.			1		750											SPARE	20	1		26
27		20	1	119, COUNTER			1			180										SPARE	20	1		28
29		20	1	119, G.D.		1					867									SPARE	20	1		30
31		20	1	SPARE																SAPRE	20	1		32
33		20	1	SPARE																SPARE	20	1		34
35		20	1	SPARE																SPARE	20	1		36
37		20	1	SPARE																SPARE	20	1		38
39		20	1	SPARE																SPARE	20	1		40
41		20	1	SPARE																SPARE	20	1		42

PANEL NOTES:

PHASE TOTALS ØA: 5110 ØB: 4540 ØC: 6167

TOTAL CONNECTED VA	15817
CONNECTED VA (CODE N)	15817
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	15.8
PANEL DEMAND KVA	15.8
PANEL DEMAND AMPS	43.9
HIGH ø AMPS W/LCL	51.4

PANEL: 1HM (MIS/PRINT)

PANEL VOLTAGE: 480/277 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 14,000
DATE: 12/20/97 TIME: 12:21:48
JOB: CCC

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	ØA	ØB	ØC	ABC	ØA	ØB	ØC	L	R	M	(NOTE)	DESCRIPTION				
1	L	20	1	161, PRINT				25	3100				2108							AH-58	20	/		2
3	L	20	1	149-159, PRINT				27		2920				2108						AH-58		/		4
5	L	20	1	138-148, MIS				41			3504				2108					AH-58	/	3		6
7		20	1	SPARE									2108							AH-59	20	/		8
9		20	1	SPARE										2108						AH-59		/		10
11		20	1	SPARE											2108					AH-59	/	3		12
13		20	1	SPARE									2108							AH-60	20	/		14
15		20	1	SPARE										2108						AH-60		/		16
17		20	1	SPARE											2108					AH-60	/	3		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24
25		20	1	SPARE																SPARE	20	1		26
27		20	1	SPARE																SPARE	20	1		28
29		20	1	SPARE																SPACE				30
31				SPACE																SPACE				32
33				SPACE																SPACE				34
35				SPACE																SPACE				36
37				SPACE																SPACE				38
39				SPACE																SPACE				40
41				SPACE																SPACE				42

PANEL NOTES:

PHASE TOTALS ØA: 9424 ØB: 9244 ØC: 9828

TOTAL CONNECTED VA	28496
CONNECTED VA (CODE N)	28496
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	28.5
PANEL DEMAND KVA	28.5
PANEL DEMAND AMPS	34.3
HIGH ø AMPS W/LCL	35.5

PANEL: 2LB

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 10,000
DATE: 12/20/97 TIME: 12:25:25
JOB: CCC

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	ØA	ØB	ØC	ABC	ØA	ØB	ØC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	PROJECTOR 202			1		180				1260				7			219-227	20	1	R	2
3	R	20	1	PROJECTOR 203			1			180				1260			7			219-227	20	1	R	4
5	R	20	1	PROJECTOR 204			1				180				1260		7			219-227	20	1	R	6
7	R	20	1	PROJECTOR 205			1		180				500					1		LOBBY EDF	20	1		8
9	R	20	1	PROJECTOR 206			1			180				500				1		LOBBY EDF	20	1		10
11	R	20	1	PROJECTOR 207			1				180				720		4			231,232,235,236	20	1	R	12
13	R	20	1	CORRIDOR REC.			3		540				500				1			VENDING 218	20	1		14
15		20	1	CORR. DISPLAY				4		400				500			1			VENDING 218	20	1		16
17		20	1	CORR. DISPLAY				4			400				500		1			VENDING 218	20	1		18
19	R	20	1	PROJECTOR 208			1		180				1300			4	5			234,CORR,DISPLAY	20	1	R	20
21	R	20	1	PROJECTOR 209			1			180				500			3			ROOF REC.	20	1	R	22
23	R	20	1	PROJECTOR 210			1				180				696			1		EF-17	20	1		24
25	R	20	1	PROJECTOR 211			1		180				696					1		EF-18	20	1		26
27	R	20	1	PROJECTOR 212			1			180				696				1		EF-9	20	1		28
29	R	20	1	MATH 213			4				720				540		3			ROOF REC	20	1	R	30
31	R	20	1	MATH 213			4		720				1440					1		BOILER FAN	20	1		32
33	R	20	1	COPIER 213			1			180				1440				1		BOILER FAN	20	1		34
35		20	1	206/205 PARTITION		1					696				1176			1		CIRC. PUMP CP-2	20	1		36
37		20	1	209/210 PARTITION		1			696											SPARE	20	1		38
39		20	1	211/212 PARTITION		1				696										SPARE	20	1		40
41		20	1	221,222			6				1080									SPARE	20	1		42

PANEL NOTES:

PHASE TOTALS ØA: 8372 ØB: 6892 ØC: 8328

TOTAL CONNECTED VA	23592
CONNECTED VA (CODE N)	12612
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	10980
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	23.6
PANEL DEMAND KVA	23.1
PANEL DEMAND AMPS	64.1
HIGH ø AMPS W/LCL	69.8

PANEL: 1LB

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 10,000
DATE: 12/20/97 TIME: 12:58:37
JOB: CCC

CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	ØA	ØB	ØC	ABC	ØA	ØB	ØC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	130, GEN. OUTLETS			4		720				500				1			130, ROCK CUTTER	20	1		2
3	R	20	1	130, GEN. OUTLETS			3			540				500			1			130, POLISHER	20	1		4
5	R	20	1	130, FUME HOOD			1				180				500		1			130, GRINDER	20	1		6
7	R	20	1	GREEN HOUSE			3		540				360				2			130, GEN. OUTLET	20	1		8
9	R	20	1	GREEN HOUSE			3			540				500			1			130, 220V OUTLET	20	/		10
11	R	20	1	GREEN HOUSE			2				360				500		–			130, –	/	2		12
13		20	1	SPARE									1080				6			130, PLUGMOLD	20	/		14
15		20	1	SPARE										1080			6			130, PLUGMOLD		/		16
17		20	1	127, GEN. OUTLETS			7				1260				1260		7			130, PLUGMOLD	/	3		18
19		20	/	127, 220V OUTLET			1		500								7			SPARE	20	1		20
21		/	2	127, 220V OUTLET			–			500							7			SPARE	20	1		22
23		20	/	127, PLUGMOLD			8				1440						7			SPARE	20	1		24
25			/	127, PLUGMOLD			8		1440								1			SPARE	20	1		26
27		/	3	127, PLUGMOLD			8			1440							–			SPARE	20	1		28
29				SPARE																SPARE	20	1		30
31				SPARE																SPARE	20	1		32
33				SPARE																SPARE	20	1		34
35				SPARE																SPARE	20	1		36
37				SPARE																SPARE	20	1		38
39				SPARE																SPARE	20	1		40
41				SPARE																SPARE	20	1		42

PANEL NOTES:

PHASE TOTALS ØA: 5140 ØB: 5100 ØC: 5500

TOTAL CONNECTED VA	15740
CONNECTED VA (CODE N)	12860
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	2880
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	15.7
PANEL DEMAND KVA	15.7
PANEL DEMAND AMPS	43.7
HIGH ø AMPS W/LCL	45.8

Jenkins/Gales & Martinez, Inc.
Project & Construction Management

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Architects • Engineers • Planners

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PLANNING
ARCHITECTURE

DRAWN
CHECKED
APPROVED

CONSULTANT

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SEAL

FELIX ROTH
No. 012941
Exp. 3-31-01

MORRIS R. POINDEXTER
C-12900
12-31-99
RENEWAL DATE

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CONSULTING ELECTRICAL ENGINEERS
511 SOUTH FAIRFAX AVENUE
LOS ANGELES, CALIF 90036-3130
(213) 933-3700 REG.NO. E 12941

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

PANEL SCHEDULES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC ____ FLS ____ SS [illegible]
DATE 3-20-98

FILE:
SCALE AS NOTED
JOB NO.
DATE 12.21.97

SHEET NO.
E5.2
OF ____ SHEETS

PLOT DATE: 12.21.97

PLOTTED: 12/22/97 FILE NAME: C:\...\COMPTON CC\COMPCC-E52.dwg

PANEL: 1A (SCIENCE LAB # 103)

DATE: 12/20/97 TIME: 14:08:39
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 60A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	GEN. OUTLET, FLOOR			7		1260				1080				6			PLUGMOLD	20	/	R	2
3	R	20	1	GEN. OUTLET, FLOOR			5			900				1080			6			PLUGMOLD	/		R	4
5	R	20	1	GEN. OUTLET, FLOOR			5				900				1080		6			PLUGMOLD	/	3	R	6
7	R	20	1	GEN. OUTLETS			3		540				1440				8			PLUGMOLD	20	/	R	8
9		20	/	220V OUTLET			1			500				1440			8			PLUGMOLD	/		R	10
11		/	2	220V OUTLET			–				500				1440		8			PLUGMOLD	/	3	R	12
13	R	20	1	PROJECTOR			1		180				1080				6			PLUGMOLD	20	/	R	14
15		20	1	SPARE										1080			6			PLUGMOLD	/		R	16
17		20	1	SPARE											1080		6			PLUGMOLD	/	3	R	18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SAPRE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES: PHASE TOTALS φA: 5580 φB: 5000 φC: 5000

TOTAL CONNECTED VA	15580
CONNECTED VA (CODE N)	15580
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	15.6
PANEL DEMAND KVA	15.6
PANEL DEMAND AMPS	43.3
HIGH φ AMPS W/LCL	46.5

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1B (TUTORIAL LAB # 105)

DATE: 12/21/97 TIME: 10:07:05
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 60A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	WALL, FLOOR OUTLET			5		900				1440				8			PLUGMOLD	20	/	R	2
3	R	20	1	WALL, FLOOR OUTLET			5			900				1440			8			PLUGMOLD	/		R	4
5	R	20	1	PROJECTOR			1				180				1440		8			PLUGMOLD	/	3	R	6
7	R	20	1	GEN. OUTLET			4		720				1440				8			PLUGMOLD	20	/	R	8
9		20	/	220V OUTLET			1			500				1440			8			PLUGMOLD	/		R	10
11		/	2	220V OUTLET			–				500				1440		8			PLUGMOLD	/	3	R	12
13		20	1	SPARE									1080				6			PLUGMOLD	20	/	R	14
15		20	1	SPARE										1080			6			PLUGMOLD	/		R	16
17		20	1	SPARE											1080		6			PLUGMOLD	/	3	R	18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES: PHASE TOTALS φA: 5580 φB: 5360 φC: 4640

TOTAL CONNECTED VA	15580
CONNECTED VA (CODE N)	1000
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	14580
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	15.6
PANEL DEMAND KVA	13.3
PANEL DEMAND AMPS	36.9
HIGH φ AMPS W/LCL	46.5

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1C (MICROBIO. STOR. # 105)

DATE: 12/21/97 TIME: 10:08:03
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 40A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1		20	1	DISHWASHER			1		1500				540				3			GEN. OUTLETS	20	1	R	2
3		20	1	GARBAGE DISPOSAL		1				867				540			3			PLUGMOLD	20	/	R	4
5		20	1	FUME HOOD		1					500				540		3			PLUGMOLD	/	2	R	6
7		20	1	DRY OVEN			1		500				360				2			GEN. OUTLETS	20	1	R	8
9		20	/	220V OUTLET			1			500				360			2			GEN. OUTLETS	20	1	R	10
11		/	2	220V OUTLET			–				500				180		1			SMALL INCUBATOR	20	1		12
13		20	1	REFRIGERATOR			1		180				500				1			AUTOCLAVE	20	/		14
15	R	20	1	GEN. OUTLETS			4			720				500			–			AUTOCLAVE	/	2		16
17		20	1	SPARE																SPARE	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES: PHASE TOTALS φA: 3580 φB: 3487 φC: 1720

TOTAL CONNECTED VA	8787
CONNECTED VA (CODE N)	5727
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	3060
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	8.8
PANEL DEMAND KVA	8.8
PANEL DEMAND AMPS	24.4
HIGH φ AMPS W/LCL	29.8

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1D (MICROBIO. LAB # 107)

DATE: 12/21/97 TIME: 10:08:46
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 100A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	WORK BENCH			10		1800				1080				6			PLUGMOLD	20	/	R	2
3	R	20	1	WORK BENCH			10			1800				1080			6			PLUGMOLD	/		R	4
5	R	20	1	WORK BENCH			10				1800				1080		6			PLUGMOLD	/	3	R	6
7	R	20	1	WORK BENCH			10		1800				1260				7			PLUGMOLD	20	/	R	8
9	R	20	1	WORK BENCH			10			1800				1260			7			PLUGMOLD	/		R	10
11	R	20	1	WORK BENCH			10				1800				1260		7			PLUGMOLD	/	3	R	12
13	R	20	1	WORK BENCH			6		1080				1260				7			PLUGMOLD	20	/	R	14
15	R	20	1	FLOOR BOX REC.			6			1080				1260			7			PLUGMOLD	/	2	R	16
17	R	20	1	FLOOR BOX REC.			5				900				500			1		FUME HOOD	20	1		18
19		20	1	REFRIG.			1		180				360				2			GEN. OUTLET	20	1	R	20
21		20	/	220V OUTLET			1			500				360			2			GEN. OUTLET	20	1	R	22
23		/	2	220V OUTLET			–				500				180		1			PROJECTOR	20	1		24
25		20	1	SPARE									180				1			AM INCUBATOR	20	1		26
27		20	1	SPARE										180			1			PM INCUBATOR	20	1		28
29		20	1	SPARE											180		1			EVENING INCUBATOR	20	1		30

PANEL NOTES: PHASE TOTALS φA: 9000 φB: 9320 φC: 8200

TOTAL CONNECTED VA	26520
CONNECTED VA (CODE N)	2400
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	24120
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	26.5
PANEL DEMAND KVA	19.5
PANEL DEMAND AMPS	54.0
HIGH φ AMPS W/LCL	77.7

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1F (BIOLOGY LAB # 108)

DATE: 12/20/97 TIME: 14:10:28
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 100A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	WORK BENCH			10		1800				1440				8			PLUGMOLD	20	/	R	2
3	R	20	1	WORK BENCH			10			1800				1440			8			PLUGMOLD	/		R	4
5	R	20	1	WORK BENCH			10				1800				1440		8			PLUGMOLD	/	3	R	6
7	R	20	1	WORK BENCH			10		1800				1080				6			PLUGMOLD	20	/	R	8
9	R	20	1	WORK BENCH			10			1800				1080			6			PLUGMOLD	/		R	10
11	R	20	1	WORK BENCH			10				1800				1080		6			PLUGMOLD	/	3	R	12
13	R	20	1	WORK BENCH			10		1800				500				1			220V OUTLET	20	/		14
15	R	20	1	WORK BENCH			10			1800				500			–			220V OUTLET	/	2		16
17	R	20	1	WORK BENCH			6				1080				540		3			GEN. OUTLETS	20	1	R	18
19	R	20	1	FLOOR BOX REC.			6		1080											SPARE	20	1		20
21	R	20	1	FLOOR BOX REC.			4			720										SPARE	20	1		22
23	R	20	1	GEN. OUTLETS			4				720									SPARE	20	1		24
25	R	20	1	PROJECTOR			1		180											SPARE	20	1		26
27		20	1	SPARE																SPARE	20	1		28
29		20	1	SPARE																SPARE	20	1		30

PANEL NOTES: PHASE TOTALS φA: 9680 φB: 9140 φC: 8460

TOTAL CONNECTED VA	27280
CONNECTED VA (CODE N)	27280
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	27.3
PANEL DEMAND KVA	27.3
PANEL DEMAND AMPS	75.7
HIGH φ AMPS W/LCL	80.7

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1G (LIFE SCI. STOR. #109)

DATE: 12/21/97 TIME: 11:38:11
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 40A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1		20	1	REFRIGERATOR			1		500				1200				1			DISHWASHER	20	1		2
3		20	1	GENERAL OUTLETS			4			720				1080			6			PLUGMOLD	20	1	R	4
5		20	1	FUME HOOD		1					500				1080		6			PLUGMOLD	20	1	R	6
7		20	1	LAB TECH OFF.			2		360				500				1			220V OUTLET	20	/		8
9	R	20	1	GENERAL OUTLETS			2			360				500			–			220V OUTLET	/	2		10
11		20	1	SPARE											720		4			GENERAL OUTLETS	20	1	R	12
13		20	1	SPARE																SPARE	20	1		14
15		20	1	SPARE																SPARE	20	1		16
17		20	1	SPARE																SPARE	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES: PHASE TOTALS φA: 2560 φB: 2660 φC: 2300

TOTAL CONNECTED VA	7520
CONNECTED VA (CODE N)	7520
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	7.5
PANEL DEMAND KVA	7.5
PANEL DEMAND AMPS	20.9
HIGH φ AMPS W/LCL	22.2

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1H (ANATOMY LAB # 110)

DATE: 12/21/97 TIME: 11:41:13
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 60A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	FLOOR BOX OUTLETS			6		1080				900				5			PLUGMOLD	20	/	R	2
3	R	20	1	FLOOR BOX OUTLETS			4			720				1080			6			PLUGMOLD	/		R	4
5	R	20	1	FLOOR BOX OUTLETS			4				720				1080		6			PLUGMOLD	/	3	R	6
7		20	/	PLUGMOLD			9		1620				1260				7			PLUGMOLD	20	/	R	8
9		/	2	PLUGMOLD			9			1620				1260			7			PLUGMOLD	/		R	10
11		20	/	220V OUTLET			1				500				1440		8			PLUGMOLD	/	3	R	12
13		/	2	220V OUTLET			–		500				1080				6			PLUGMOLD	20	/	R	14
15	R	20	1	GEN. OUTLETS			4			720				1080			6			PLUGMOLD	/	2	R	16
17	R	20	1	PROJECTOR			1				180									SPARE	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES: PHASE TOTALS φA: 6440 φB: 6480 φC: 3920

TOTAL CONNECTED VA	16840
CONNECTED VA (CODE N)	16840
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	16.8
PANEL DEMAND KVA	16.8
PANEL DEMAND AMPS	46.8
HIGH φ AMPS W/LCL	54.0

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1I (PHYS. SCI. LAB # 126)

DATE: 12/21/97 TIME: 11:45:14
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 60A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	FLOOR BOX REC.			6		1080				1620				9			PLUGMOLD	20	/	R	2
3	R	20	1	FLOOR BOX REC.			4			720				1620			9			PLUGMOLD	/		R	4
5	R	20	1	GEN. OUTLETS			6				1080				1620		9			PLUGMOLD	/	3	R	6
7	R	20	1	GEN. OUTLETS			6		1080				500				1			220V OUTLET	20	/		8
9	R	20	1	PROJECTOR			1			180				500			–			220V OUTLET	/	2		10
11		20	1	SPARE																SPARE	20	1		12
13		20	1	SPARE																SPARE	20	1		14
15		20	1	SPARE																SPARE	20	1		16
17		20	1	SPARE																SPARE	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES: PHASE TOTALS φA: 4280 φB: 3020 φC: 2700

TOTAL CONNECTED VA	10000
CONNECTED VA (CODE N)	10000
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	10.0
PANEL DEMAND KVA	10.0
PANEL DEMAND AMPS	27.8
HIGH φ AMPS W/LCL	35.7

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1J (PHYS. SCI. LAB # 128)

DATE: 12/20/97 TIME: 14:11:49
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 60A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	FLOOR BOX REC.			6		1080				1440				8			PLUGMOLD	20	/	R	2
3	R	20	1	FLOOR BOX REC.			4			720				1440			8			PLUGMOLD	/		R	4
5	R	20	1	GEN. OUTLETS			5				900				1440		8			PLUGMOLD	/	3	R	6
7	R	20	1	GEN. OUTLETS			5		900				500				1			220V OUTLET	20	/		8
9	R	20	1	PROJECTOR			1			180				500			–			220V OUTLET	/	2		10
11		20	1	SPARE																SPARE	20	1		12
13		20	1	SPARE																SPARE	20	1		14
15		20	1	SPARE																SPARE	20	1		16
17		20	1	SPARE																SPARE	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES: PHASE TOTALS φA: 4280 φB: 3020 φC: 2700

TOTAL CONNECTED VA	10000
CONNECTED VA (CODE N)	10000
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	10.0
PANEL DEMAND KVA	10.0
PANEL DEMAND AMPS	27.8
HIGH φ AMPS W/LCL	35.7

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1K (GEOL. LAB # 129)

DATE: 12/21/97 TIME: 11:47:14
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 60A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1	R	20	1	FLOOR BOX REC.			6		1080				1440				8			PLUGMOLD	20	/	R	2
3	R	20	1	FLOOR BOX REC.			4			720				1440			8			PLUGMOLD	/		R	4
5	R	20	1	GEN. OUTLETS			5				900				1440		8			PLUGMOLD	/	3	R	6
7	R	20	1	GEN. OUTLETS			5		900				500				1			220V OUTLET	20	/		8
9	R	20	1	PROJECTOR			1			180				500			–			220V OUTLET	/	2		10
11		20	1	SPARE																SPARE	20	1		12
13		20	1	SPARE																SPARE	20	1		14
15		20	1	SPARE																SPARE	20	1		16
17		20	1	SPARE																SPARE	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES: PHASE TOTALS φA: 4280 φB: 3020 φC: 2700

TOTAL CONNECTED VA	10000
CONNECTED VA (CODE N)	10000
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	10.0
PANEL DEMAND KVA	10.0
PANEL DEMAND AMPS	27.8
HIGH φ AMPS W/LCL	35.7

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1LOB (OBSERVATORY 136)

DATE: 12/21/97 TIME: 11:50:03
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: 60A-3P MCB ①
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1		20	1	LIFT		1			696				360				2			COMP OUTLETS	20	1	R	2
3	R	20	1	TELESCOPE			1			180				540			3			136,137, SET UP AREA	20	1	R	4
5	R	20	1	TELESCOPE			1				180				1260	9				136 LTS.	20	1	R	6
7		20	1	TELESCOPE DOME		1			696				720				4			GEN. OUTLETS	20	1	R	8
9		20	1	SPARE																SPARE	20	1		10
11		20	1	SPARE																SPARE	20	1		12
13		20	1	SPARE																SPARE	20	1		14
15		20	1	SPARE																SPARE	20	1		16
17		20	1	SPARE																SPARE	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24
25				SPACE																SPACE				26
27				SPACE																SPACE				28
29				SPACE																SPACE				30

PANEL NOTES: PHASE TOTALS φA: 2472 φB: 720 φC: 1440

TOTAL CONNECTED VA	4632
CONNECTED VA (CODE N)	1392
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	3240
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	4.6
PANEL DEMAND KVA	4.6
PANEL DEMAND AMPS	12.9
HIGH φ AMPS W/LCL	20.6

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

PANEL: 1LPS

DATE: 12/21/97 TIME: 11:58:58
JOB: CCC
PANEL VOLTAGE: 208/120 3φ 4 W
BUS: 100A
MAINS: MLO
AIC RATING: 10,000
CIRCUIT CODE: blank or N : NON-CONTINUOUS
L : LONG-CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	φA	φB	φC	ABC	φA	φB	φC	L	R	M	(NOTE)	DESCRIPTION				
1		20	1	153,REF			1		500				720				4			154,161	20	1	R	2
3		20	1	153, C.M. & C.O.			2			800				720			4			154,161	20	1	R	4
5		20	1	153, M.V.			1				750				864			1		161,ROLL UP DOOR	20	1		6
7		20	1	153, EWC			1		500											SPARE	20	1		8
9		20	1	153, GD		1				867										SPARE	20	1		10
11	R	20	1	152, 153			5				900									SPARE	20	1		12
13	R	20	1	149, 150, 161			5		900											SPARE	20	1		14
15	R	20	1	149, 150, 161			5			900										SPARE	20	1		16
17	R	20	1	149, 150, 161			5				900									SPARE	20	1		18
19		20	1	155, CAMERA			1		900											SPARE	20	1		20
21		20	1	156, DRYER TABLE			1			500										SPARE	20	1		22
23	R	20	1	156, 158			5				900									SPARE	20	1		24
25		20	1	SPARE																SPARE	20	1		26
27		20	1	SPARE																SPARE	20	1		28
29		20	1	SPARE																SPARE	20	1		30
31		20	1	SPARE																SPARE	20	1		32
33		20	1	SPARE																SPARE	20	1		34
35		20	1	SPARE											750		1			156, PLATE MKR	20	/		36
37				SPACE									750				–			–	/	2		38
39				SPACE										1000			1			154, XEROX, 5390	20	/		40
41				SPACE											1000		–			–	/	2		42

PANEL NOTES: PHASE TOTALS φA: 4270 φB: 4787 φC: 6064

TOTAL CONNECTED VA	15121
CONNECTED VA (CODE N)	15121
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	15.1
PANEL DEMAND KVA	15.1
PANEL DEMAND AMPS	42.0
HIGH φ AMPS W/LCL	50.5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC ____ FLS ____ SS ____
DATE 3-20-98

JGM
Jenkins/Gales & Martinez, Inc.
Project & Construction Management
5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721
Architects • Engineers • Planners

PROGRAMMING
PLANNING
ARCHITECTURE

DRAWN
CHECKED
APPROVED

CONSULTANT

CIVIL:
WAGNER ENGINEERING & SURVEY, INC.
14930 VENTURA BLVD., STE. 240
SHERMAN OAKS, CA 91403
818-995-9880
818-995-9877 FAX

LANDSCAPE:
DSK LANDSCAPE ARCHITECTS
3333 WILSHIRE BLVD. SUITE 103
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213-382-3113
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STRUCTURAL:
JOHN A. MARTIN & ASSOCIATES, INC.
1212 S. FLOWER
LOS ANGELES, CA 90015
213-483-6490
213-483-3084 FAX

MECHANICAL & PLUMBING:
MAROKO & ASSOCIATES
12517 CHANDLER BLVD.
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818-760-7300
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ELECTRICAL:
SILVER, ROTH & ASSOCIATES, INC.
511 S. FAIRFAX AVENUE
LOS ANGELES, CA 90036-3130
213-933-3700
213-933-3874 FAX

SEAL

FELIX ROTH No. 012941 Exp. 3-31-01

MORRIS R. POINDEXTER C-13900 3-31-99

SILVER,ROTH & ASSOCIATES,INC.
CONSULTING ELECTRICAL ENGINEERS
511 SOUTH FAIRFAX AVENUE
LOS ANGELES, CALIF 90036-3130
(213) 933-3700 REG.NO. E 12941

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

PANEL SCHEDULES

FILE:
SCALE AS NOTED
JOB NO.
DATE 12.21.97

SHEET NO.
E5.3
OF ____ SHEETS

PANEL: EL

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 10,000
DATE: 09/08/97 TIME: 10:54:14
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		20	1	CSFD 1ST FLOOR		5			500				400					4		CSFD 2ND FLOOR	20	1		2
3		20	1	CSFD 1ST FLOOR		5				500				300				3		CSFD 2ND FLOOR	20	1		4
5		20	1	CSFD 1ST FLOOR		4					400				300			3		CSFD 2ND FLOOR	20	1		6
7		20	1	CSFD 1ST FLOOR		4			400				500					5		CSFD 2ND FLOOR	20	1		8
9		20	1	CSFD 1ST FLOOR		5				500				500				5		CSFD 2ND FLOOR	20	1		10
11		20	1	CSFD 1ST FLOOR		4					400				400			4		CSFD 2ND FLOOR	20	1		12
13		20	1	CSFD 1ST FLOOR		5			500				250					1		FACP	20	1		14
15		20	1	CSFD 1ST FLOOR		4				400				1500				1		GEN. BATT. CHARGER	20	1		16
17		20	1	CSFD 1ST FLOOR		5					500				1200			1		GEN. BLOCK HEATER	20	1		18
19		20	1	112–114			4		720				720				4			111	20	1		20
21		20	1	ELEV. PIT & 133			2	1		420				720			4			111	20	1		22
23		20	1	215–217			3				540				720		4			111	20	1		24
25		20	1	CSFD 1ST FLR		6			600				720				4			214	20	1		26
27		20	1	SPARE										720			4			214	20	1		28
29		20	1	SPARE											720		4			214	20	1		30
31		20	1	SPARE																SPARE	20	1		32
33		20	1	SPARE																SPARE	20	1		34
35		20	1	SPARE																SPARE	20	1		36
37		20	1	SPARE																SPARE	20	1		38
39		20	1	SPARE																SPARE	20	1		40
41		20	1	SPARE																SPARE	20	1		42

PANEL NOTES:

PHASE TOTALS øA: 5310 øB: 5560 øC: 5180

TOTAL CONNECTED VA	16050
CONNECTED VA (CODE N)	16050
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	16.1
PANEL DEMAND KVA	16.1
PANEL DEMAND AMPS	44.6
HIGH ø AMPS W/LCL	46.3

PANEL: 1MA

PANEL VOLTAGE: 480/277 3ø 4 W
BUS: 100A
MAINS: MLO
AIC RATING: 14,000
DATE: 07/07/97 TIME: 15:18:38
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		15	/	AH–1		1			388				500					1		AH–7	15	/		2
3		/		AH–1		–				388				500				–		AH–7	/			4
5		/	3	AH–1		–					388				500			–		AH–7	/	3		6
7		15	/	AH–2		1			721				500					1		AH–8	15	/		8
9		/		AH–2		–				721				500				–		AH–8	/			10
11		/	3	AH–2		–					721				500			–		AH–8	/	3		12
13		15	/	AH–2A		1			721				500					1		AH–9	15	/		14
15		/		AH–2A		–				721				500				–		AH–9	/			16
17		/	3	AH–2A		–					721				500			–		AH–9	/	3		18
19		15	/	AH–4		1			500				500					1		AH–10	15	/		20
21		/		AH–4		–				500				500				–		AH–10	/			22
23		/	3	AH–4		–					500				500			–		AH–10	/	3		24
25		15	/	AH–5		1			388				388					1		AH–22	15	/		26
27		/		AH–5		–				388				388				–		AH–22	/			28
29		/	3	AH–5		–					388				388			–		AH–22	/	3		30
31		15	/	AH–6		1			500				943					1		AH–47	15	/		32
33		/		AH–6		–				500				943				–		AH–47	/			34
35		/	3	AH–6		–					500				943			–		AH–47	/	3		36
37		15	/	AH–6A		1			500				943					1		AH–48	15	/		38
39		/		AH–6A		–				500				943				–		AH–48	/			40
41		/	3	AH–6A		–					500				943			–		AH–48	/	3		42

PANEL NOTES:

PHASE TOTALS øA: 7271 øB: 7271 øC: 7271

TOTAL CONNECTED VA	21813
CONNECTED VA (CODE N)	21813
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	21.8
PANEL DEMAND KVA	21.8
PANEL DEMAND AMPS	26.2
HIGH ø AMPS W/LCL	26.2

PANEL: 1MB

PANEL VOLTAGE: 480/277 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 14,000
DATE: 07/07/97 TIME: 15:28:05
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		15	/	AH–11		1			500				500					1		AH–18	15	/		2
3		/		AH–11		–				500				500				–		AH–18	/			4
5		/	3	AH–11		–					500				500			–		AH–18	/	3		6
7		15	/	AH–12		1			388				388					1		AH–19	15	/		8
9		/		AH–12		–				388				388				–		AH–19	/			10
11		/	3	AH–12		–					388				388			–		AH–19	/	3		12
13		15	/	AH–13		1			500				500					1		AH–20	15	/		14
15		/		AH–13		–				500				500				–		AH–20	/			16
17		/	3	AH–13		–					500				500			–		AH–20	/	3		18
19		15	/	AH–14		1			500				388					1		AH–23	15	/		20
21		/		AH–14		–				500				388				–		AH–23	/			22
23		/	3	AH–14		–					500				388			–		AH–23	/	3		24
25		15	/	AH–15		1			500				943					1		AH–49	15	/		26
27		/		AH–15		–				500				943				–		AH–49	/			28
29		/	3	AH–15		–					500				943			–		AH–49	/	3		30
31		15	/	AH–16		1			277				943					1		AH–50	15	/		32
33		/		AH–16		–				277				943				–		AH–50	/			34
35		/	3	AH–16		–					277				943			–		AH–50	/	3		36
37		15	/	AH–17		1			500				500					1		AH–21, OBSERVATORY	15	/		38
39		/		AH–17		–				500				500				–		AH–21, OBSERVATORY	/			40
41		/	3	AH–17		–					500				500			–		AH–21, OBSERVATORY	/	3		42

PANEL NOTES:

PHASE TOTALS øA: 7327 øB: 7327 øC: 7327

TOTAL CONNECTED VA	21981
CONNECTED VA (CODE N)	21981
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	22.0
PANEL DEMAND KVA	22.0
PANEL DEMAND AMPS	26.4
HIGH ø AMPS W/LCL	26.5

PANEL: 2MA

PANEL VOLTAGE: 480/277 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 14,000
DATE: 07/07/97 TIME: 14:45:29
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		15	/	AH–25		1			500				500							AH–31	15	/		2
3		/		AH–25		–				500				500						AH–31	/			4
5		/	3	AH–25		–					500				500			1		AH–31	/	3		6
7		15	/	AH–25A		1			500				500					–		AH–32	15	/		8
9		/		AH–25A		–				500				500				–		AH–32	/			10
11		/	3	AH–25A		–					500				500			1		AH–32	/	3		12
13		15	/	AH–26		1			500				500					–		AH–33	15	/		14
15		/		AH–26		–				500				500				–		AH–33	/			16
17		/	3	AH–26		–					500				500			1		AH–33	/	3		18
19		15	/	AH–27		1			500				500					–		AH–34	15	/		20
21		/		AH–27		–				500				500				–		AH–34	/			22
23		/	3	AH–27		–					500				500			1		AH–34	/	3		24
25		15	/	AH–28		1			500				500					–		AH–35	15	/		26
27		/		AH–28		–				500				500				–		AH–35	/			28
29		/	3	AH–28		–					500				500			1		AH–35	/	3		30
31		15	/	AH–29		1			500				500					–		AH–36	15	/		32
33		/		AH–29		–				500				500				–		AH–36	/			34
35		/	3	AH–29		–					500				500			1		AH–36	/	3		36
37		15	/	AH–30		1			500				388					–		AH–37	15	/		38
39		/		AH–30		–				500				388				–		AH–37	/			40
41		/	3	AH–30		–					500				388			1		AH–37	/	3		42

PANEL NOTES:

PHASE TOTALS øA: 6888 øB: 6888 øC: 6888

TOTAL CONNECTED VA	20664
CONNECTED VA (CODE N)	20664
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	20.7
PANEL DEMAND KVA	20.7
PANEL DEMAND AMPS	24.9
HIGH ø AMPS W/LCL	24.9

PANEL: 2MB

PANEL VOLTAGE: 480/277 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 14,000
DATE: 07/07/97 TIME: 14:55:09
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		15	/	AH–24		1			500				721							AH–43	15	/		2
3		/		AH–24		–				500				721						AH–43	/			4
5		/	3	AH–24		–					500				721			1		AH–43	/	3		6
7		15	/	AH–38		1			500				721					–		AH–43A	15	/		8
9		/		AH–38		–				500				721				–		AH–43A	/			10
11		/	3	AH–38		–					500				721			1		AH–43A	/	3		12
13		15	/	AH–39		1			500				500					–		AH–44	15	/		14
15		/		AH–39		–				500				500				–		AH–44	/			16
17		/	3	AH–39		–					500				500			1		AH–44	/	3		18
19		15	/	AH–40		1			721				388					–		AH–45	15	/		20
21		/		AH–40		–				721				388				–		AH–45	/			22
23		/	3	AH–40		–					721				388			1		AH–45	/	3		24
25		15	/	AH–40A		1			721				943					–		AH–51	15	/		26
27		/		AH–40A		–				721				943				–		AH–51	/			28
29		/	3	AH–40A		–					721				943			1		AH–51	/	3		30
31		15	/	AH–41		1			388				943					–		AH–52	15	/		32
33		/		AH–41		–				388				943				–		AH–52	/			34
35		/	3	AH–41		–					388				943			1		AH–52	/	3		36
37		15	/	AH–42		1			388				943					–		AH–53	15	/		38
39		/		AH–42		–				388				943				–		AH–53	/			40
41		/	3	AH–42		–					388				943			1		AH–53	/	3		42

PANEL NOTES:

PHASE TOTALS øA: 8877 øB: 8877 øC: 8877

TOTAL CONNECTED VA	26631
CONNECTED VA (CODE N)	26631
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	26.6
PANEL DEMAND KVA	26.6
PANEL DEMAND AMPS	32.0
HIGH ø AMPS W/LCL	32.0

PANEL: 2MC

PANEL VOLTAGE: 480/277 3ø 4 W
BUS: 225A
MAINS: MLO
AIC RATING: 14,000
DATE: 07/07/97 TIME: 15:04:49
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		15	/	AH–46		1			277				943					1		EF–3	15	/		2
3		/		AH–46		–				277				943				–		EF–3	/			4
5		/	3	AH–46		–					277				943			–		EF–3	/	3		6
7		15	/	AH–54		1			943				943					1		EF–4	15	/		8
9		/		AH–54		–				943				943				–		EF–4	/			10
11		/	3	AH–54		–					943				943			–		EF–4	/	3		12
13		15	/	AH–55		1			943				943					1		EF–5	15	/		14
15		/		AH–55		–				943				943				–		EF–5	/			16
17		/	3	AH–55		–					943				943			–		EF–5	/	3		18
19		15	/	AH–56		1			943				943					1		EF–6	15	/		20
21		/		AH–56		–				943				943				–		EF–6	/			22
23		/	3	AH–56		–					943				943			–		EF–6	/	3		24
25		15	/	AH–57		1			943				943					1		EF–7	15	/		26
27		/		AH–57		–				943				943				–		EF–7	/			28
29		/	3	AH–57		–					943				943			–		EF–7	/	3		30
31		15	/	EF–1		1			943				943					1		EF–8	15	/		32
33		/		EF–1		–				943				943				–		EF–8	/			34
35		/	3	EF–1		–					943				943			–		EF–8	/	3		36
37		15	/	EF–2		1			943									1		SPACE	15	/		38
39		/		EF–2		–				943								–		SPACE	/			40
41		/	3	EF–2		–					943							–		SPACE	/	3		42

PANEL NOTES:

PHASE TOTALS øA: 11593 øB: 11593 øC: 11593

TOTAL CONNECTED VA	34779
CONNECTED VA (CODE N)	34779
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	34.8
PANEL DEMAND KVA	34.8
PANEL DEMAND AMPS	41.8
HIGH ø AMPS W/LCL	41.9

PANEL: 2A (CHEMISTRY A)

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 100A
MAINS: 60A–3P MCB ①
AIC RATING: 10,000
DATE: 07/01/97 TIME: 08:22:06
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		20	/	PLUG MOLD			7		1260				540				3			TV,WALL	20	1		2
3		/		PLUG MOLD			7			1260				360			2			FLOOR BOX	20	1		4
5		/	3	PLUG MOLD			6				1080				360		2			FLOOR BOX	20	1		6
7		20	/	PLUG MOLD			6		1080				500					1		FUME HOOD	20	1		8
9		/		PLUG MOLD			7			1260				720			4			PLUGMOLD	20	/		10
11		/	3	PLUG MOLD			7				1260				720		4			PLUGMOLD	/	2		12
13		20	/	220V OUTLET			1		500				500					1		FUME HOOD	20	1		14
15		/	2	220V OUTLET			–			500				500				1		FUME HOOD	20	1		16
17		20	1	SPARE											500			1		FUME HOOD	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES:

PHASE TOTALS øA: 4380 øB: 4600 øC: 3920

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

TOTAL CONNECTED VA	12900
CONNECTED VA (CODE N)	12900
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	12.9
PANEL DEMAND KVA	12.9
PANEL DEMAND AMPS	35.8
HIGH ø AMPS W/LCL	38.3

PANEL: 2B (CHEMISTRY B)

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 100A
MAINS: 60A–3P MCB ①
AIC RATING: 10,000
DATE: 07/01/97 TIME: 08:22:06
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		20	/	PLUG MOLD			7		1260				540				3			TV,WALL	20	1		2
3		/		PLUG MOLD			7			1260				360			2			FLOOR BOX	20	1		4
5		/	3	PLUG MOLD			6				1080				360		2			FLOOR BOX	20	1		6
7		20	/	PLUG MOLD			6		1080				500					1		FUME HOOD	20	1		8
9		/		PLUG MOLD			7			1260				720			4			PLUGMOLD	20	/		10
11		/	3	PLUG MOLD			7				1260				720		4			PLUGMOLD	/	2		12
13		20	/	220V OUTLET			1		500				500					1		FUME HOOD	20	1		14
15		/	2	220V OUTLET			–			500				500				1		FUME HOOD	20	1		16
17		20	1	SPARE											500			1		FUME HOOD	20	1		18
19		20	1	SPARE																SPARE	20	1		20
21		20	1	SPARE																SPARE	20	1		22
23		20	1	SPARE																SPARE	20	1		24

PANEL NOTES:

PHASE TOTALS øA: 4380 øB: 4600 øC: 3920

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

TOTAL CONNECTED VA	12900
CONNECTED VA (CODE N)	12900
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	12.9
PANEL DEMAND KVA	12.9
PANEL DEMAND AMPS	35.8
HIGH ø AMPS W/LCL	38.3

PANEL: 2C (CHEMISTRY PREP)

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 100A
MAINS: 40A–3P MCB ①
AIC RATING: 10,000
DATE: 07/01/97 TIME: 08:52:22
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		20	1	FUME HOOD		1			500				540				3			GEN. OUTLETS	20	1		2
3		20	/	PLUGMOLD			6			1080				540			3			GEN. OUTLETS	20	1		4
5		/	2	PLUGMOLD			6				1080				500		1			220V OUTLET	20	/		6
7		20	/	PLUGMOLD			7		1260				500				–			220V OUTLET	/	2		8
9		/		PLUGMOLD			7			1260										SPARE	20	1		10
11		/	3	PLUGMOLD			7				1260									SPARE	20	1		12

PANEL NOTES:

PHASE TOTALS øA: 2800 øB: 2880 øC: 2840

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

TOTAL CONNECTED VA	8520
CONNECTED VA (CODE N)	8520
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	8.5
PANEL DEMAND KVA	8.5
PANEL DEMAND AMPS	23.7
HIGH ø AMPS W/LCL	24.0

PANEL: 2D (BALANCE ROOM)

PANEL VOLTAGE: 208/120 3ø 4 W
BUS: 100A
MAINS: 40A–3P MCB ①
AIC RATING: 10,000
DATE: 07/01/97 TIME: 09:07:35
JOB: CCC

CIRCUIT CODE: blank or N : NON–CONTINUOUS
L : LONG–CONTINUOUS
R : DEMANDABLE RECEPTACLES
K : KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION					CONNECTED VA							LOAD DESIGNATION					TRIP	POLE	CODE	CKT NO
				DESCRIPTION	(NOTE)	M	R	L	øA	øB	øC	ABC	øA	øB	øC	L	R	M	(NOTE)	DESCRIPTION				
1		20	/	PLUGMOLD		1			1620				540				3			GEN. OUTLETS	20	1		2
3		/		PLUGMOLD			6			1620				500			1			220V OUTLET	20	/		4
5		/	3	PLUGMOLD			6				1800				500		–			220V OUTLET	/	2		6
7		20	/	PLUGMOLD			7		1260											SPARE	20	1		8
9		/		PLUGMOLD			7			1260										SPARE	20	1		10
11		/	3	PLUGMOLD			7				1080									SPARE	20	1		12

PANEL NOTES:

PHASE TOTALS øA: 3420 øB: 3380 øC: 3380

① PROVIDE MAIN CIRCUIT BREAKER WITH SHUNT TRIP.

TOTAL CONNECTED VA	10180
CONNECTED VA (CODE N)	10180
CONNECTED VA (CODE L)	0
CONNECTED VA (CODE R)	0
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	10.2
PANEL DEMAND KVA	10.2
PANEL DEMAND AMPS	28.3
HIGH ø AMPS W/LCL	28.5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC ____ FLS ____ SS ____
DATE 3-20-98

Jenkins/Gales & Martinez, Inc.
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SEAL

FELIX ROTH
No. 012941
Exp. 3-31-01

MORRIS R. POINDEXTER
RENEWAL DATE

SILVER,ROTH & ASSOCIATES,INC.
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(213) 933–3700 REG.NO. E 12941

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH–SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

PANEL SCHEDULES

FILE:
SCALE AS NOTED
JOB NO.
DATE 12.21.97

SHEET NO.
E5.4
OF ____ SHEETS

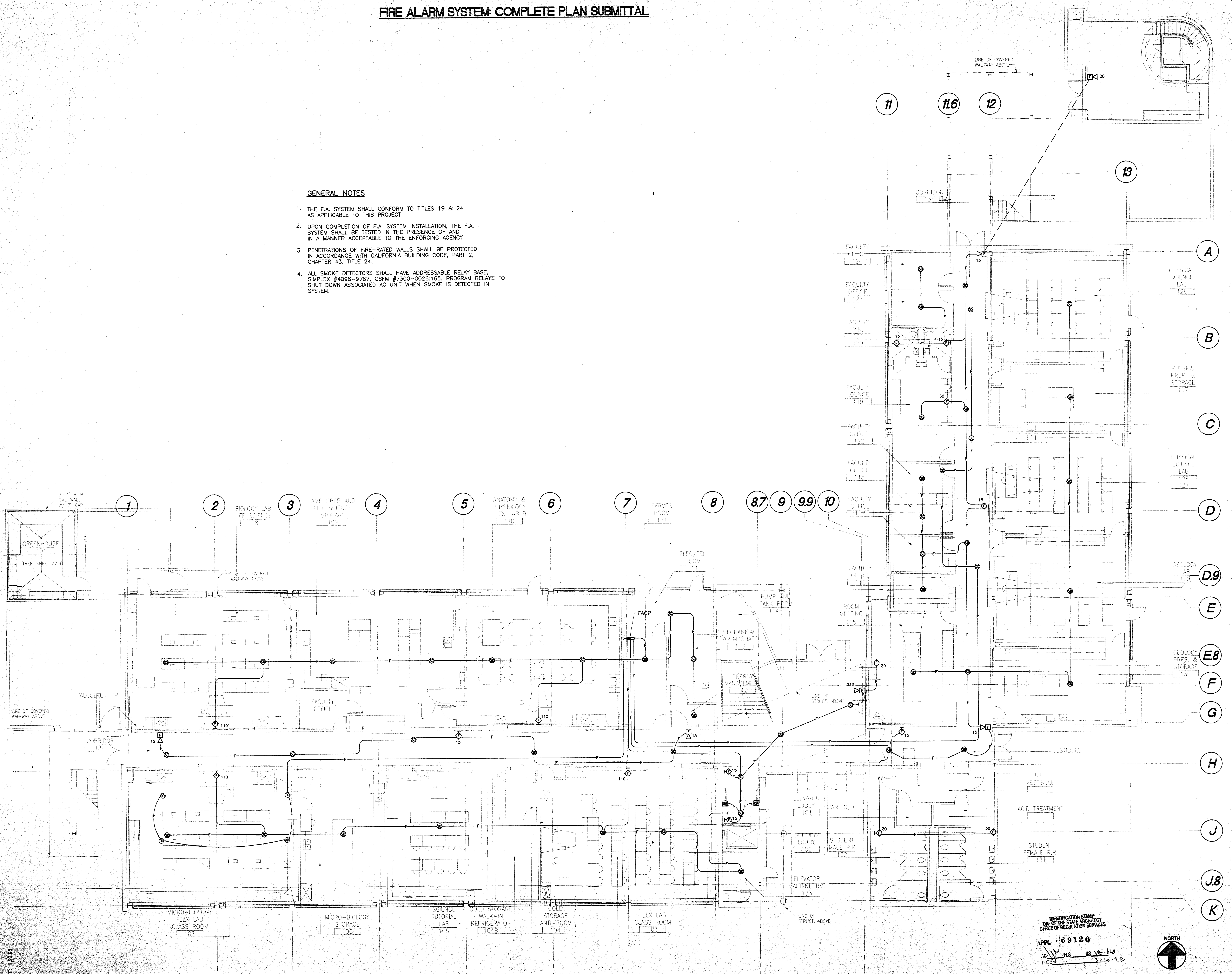
PLOT DATE: 12.21.97

PLOTTED: 12/22/97

FIRE ALARM SYSTEM: COMPLETE PLAN SUBMITTAL

GENERAL NOTES

1. THE F.A. SYSTEM SHALL CONFORM TO TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT
2. UPON COMPLETION OF F.A. SYSTEM INSTALLATION, THE F.A. SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY
3. PENETRATIONS OF FIRE-RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 43, TITLE 24.
4. ALL SMOKE DETECTORS SHALL HAVE ADDRESSABLE RELAY BASE, SIMPLEX #4098-9787, CSFM #7300-0026:165. PROGRAM RELAYS TO SHUT DOWN ASSOCIATED AC UNIT WHEN SMOKE IS DETECTED IN SYSTEM.



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ___ FLS ___ SS ___
DATE 3-20-98

PLOT DATE: 1.20.98

PLOTTED: 01/20/98 FILE NAME: C:\...COMPCC-EF11.dwg

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SEAL

FELIX ROTH
No. 012941
Exp. 3-31-01

MORRIS R. POINDEXTER
C-13900
3-31-99

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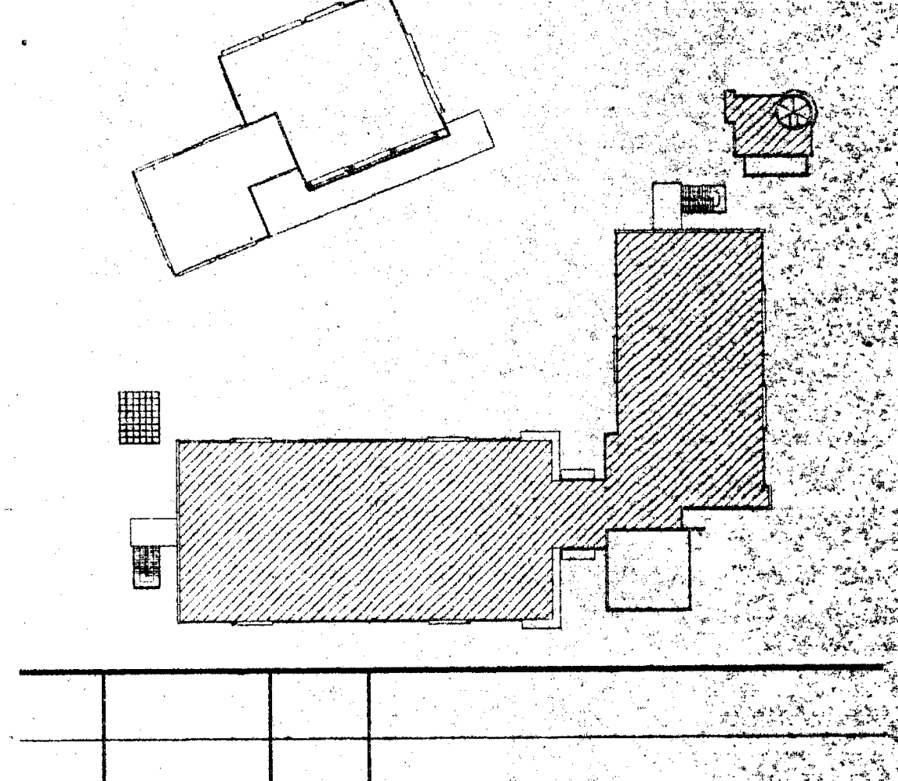
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

FIRST FLOOR
FIRE ALARM PLAN

FILE:
SCALE 1/8"=1'-0"
JOB NO.
DATE 1.20.98

SHEET NO.
EF1.1
OF ___ SHEETS

FIRE ALARM SYSTEM: COMPLETE PLAN SUBMITTAL

GENERAL NOTES

1. THE F.A. SYSTEM SHALL CONFORM TO TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT
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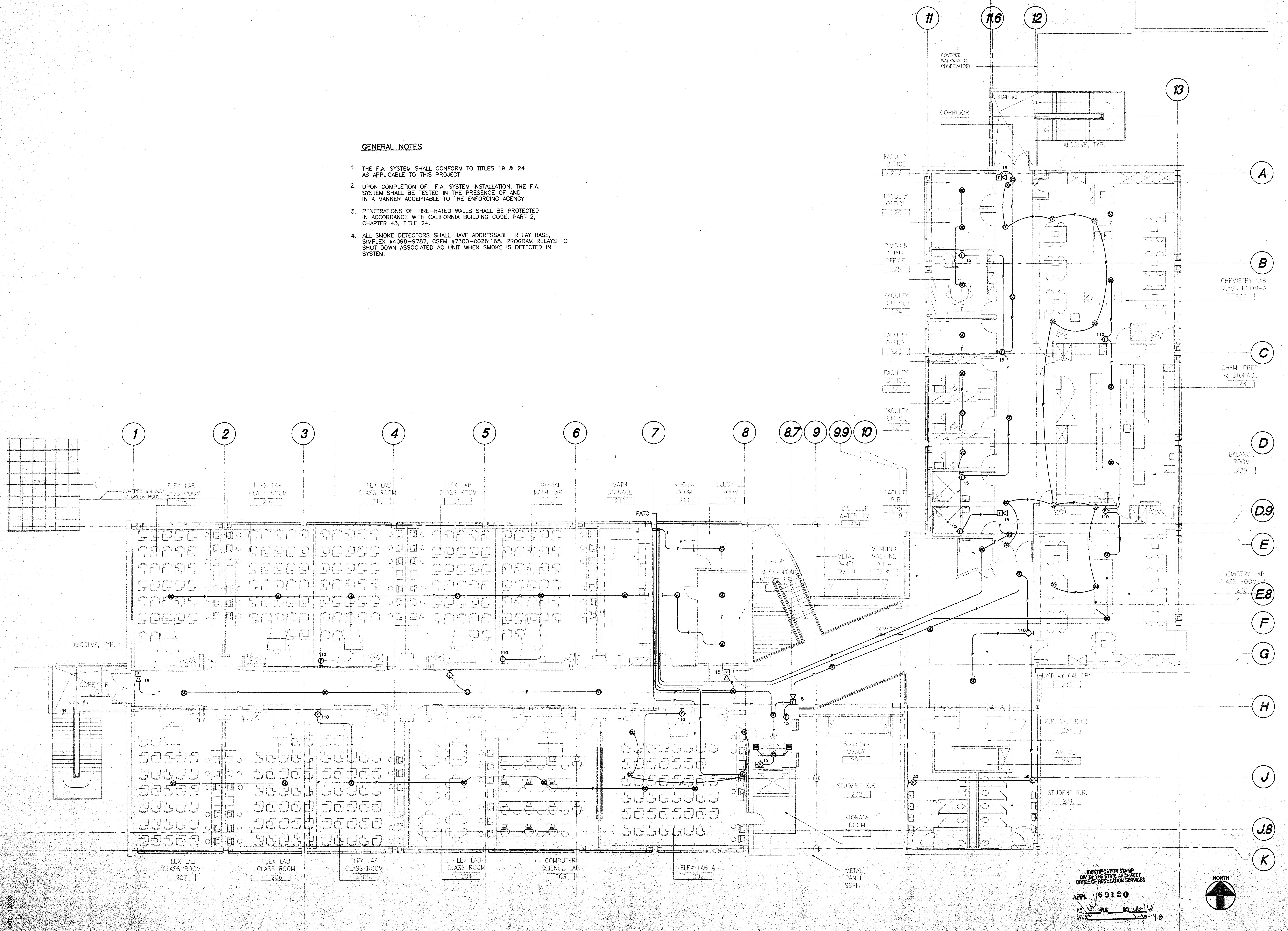

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC FLS SS
3-30-98

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SEAL
Felix Roth
FELIX ROTH
No. 012941
Exp. 3-31-01
MORRIS R. POINDEXTER
C-13900
RENEWAL DATE

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KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

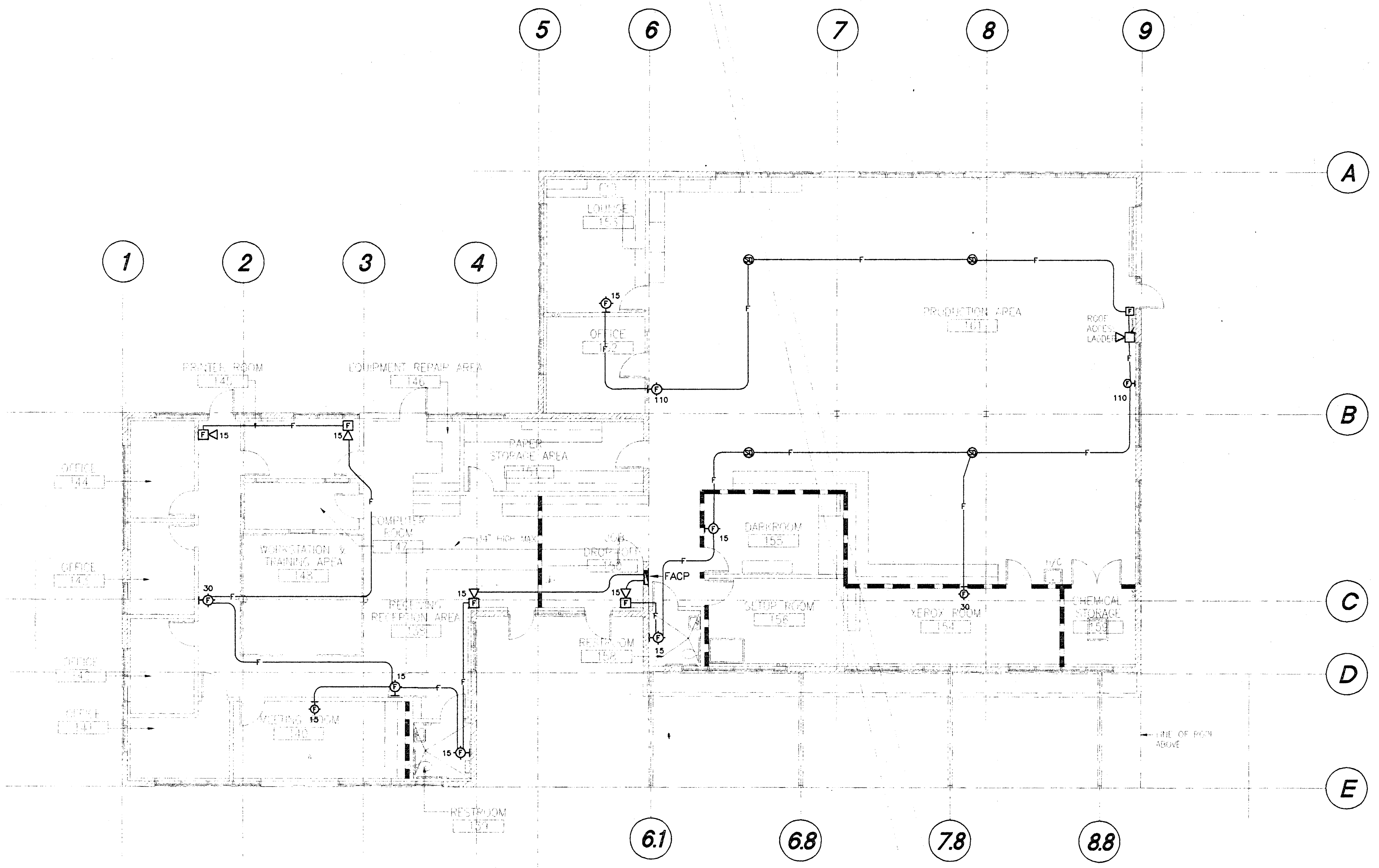
SHEET TITLE
SECOND FLOOR
FIRE ALARM PLAN

FILE:
SCALE 1/8"=1'-0"
JOB NO.
DATE 1.20.98
SHEET NO. EF1.2
OF ____ SHEETS

FIRE ALARM SYSTEM: COMPLETE PLAN SUBMITTAL

GENERAL NOTES

1. THE SYSTEM SHALL CONFORM TO TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT
2. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY
3. PENETRATIONS OF FIRE-RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 43, TITLE 24.



MIS/PRINTING SHOP
FIRE ALARM PLAN
SCALE: 1/8"=1'-0"

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CONSULTANT

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SEAL

Felix Roth
No. 012941
Exp. 3-31-01

Morris R. Poindexter
C 3900
3-31-99
RENEWAL DATE

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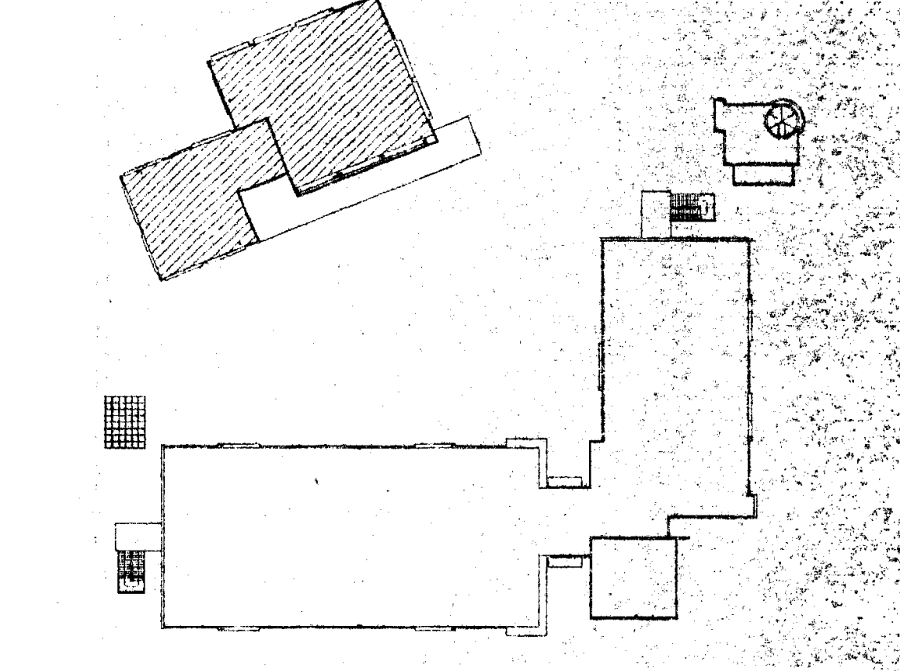
(213) 933-3700 REG.NO. E 12941

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MIS/PRINT SHOP BUILDING
FIRE ALARM PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC ____ FLS ____ SS VLc/L8
DATE 3-15-98

FILE:	SHEET NO.
SCALE 1/8"=1'-0"	EF1.3
JOB NO.	
DATE 1.20.98	OF ____ SHEETS

PLOT DATE: 1.20.98

FIRE ALARM SYSTEM: COMPLETE PLAN SUBMITTAL

SYMBOL LEGEND

SYMBOL	P.I.D. #	DESCRIPTION	C.S.F.M.	MOUNTING	ROUGH–IN BOX	QTY.
FACP	4120–8001	FIRE ALARM CONTROL PANEL	7165–0026:178	SURFACE	BY SIMPLEX (SEE DETAIL)	.
ANN	4603–9101	FIRE ALARM ANNUNCIATOR	7120–0026:197	SURFACE	6 GANG 3–3/4" DEEP	.
SD	4098–9701	TRUE ALARM PHOTOELECTRIC SMOKE SENSOR	7272–0026:166	ON BASE	4S DEEP W/3–0 RING	.
	4098–9787	TRUE ALARM SENSOR BASE W/ RELAY	7300–0026:165	SEMI–FLUSH		
DD	4098–9701	TRUE ALARM PHOTOELECTRIC SMOKE SENSOR	7272–0026:166	IN HOUSING	5S DEEP W/COVER FOR INTERFACE RELAY IF REQUIRED	.
	4098–9706	TRUE ALARM DUCT HOUSING	3240–0026:159	SURFACE		
F	2099–9761	ADDRESSABLE PULL STATION	7150–0026:175	SURFACE	4S DEEP W/2–G RING	.
▷□	4903–9215	AUDIBLE/VISUAL ASSEMBLY	7125–0026:202	SURFACE	4S DEEP BOX	.
F	4904–9135	STROBE ONLY	7135–0026:198	SURFACE	4S BOX W/1–GANG RING	.
⊗		SPRINKLER FLOW SWITCH				
S^T		TAMPER SWITCH				

WIRE SCHEDULE

DESIG.	WIRE/CABLE	CIRCUIT TYPE
A	2 #14 THHN (PINK + & PURPLE –)	AUDIBLE
E	2 #14 THHN (YELLOW + & BLUE –)	MONITOR/CONTROL
M	#18 TWISTED SHIELDED PARE BSCC #S1802S17. (BROWN TAPE)	MAPNET
S	#18 TWISTED SHIELDED (NPLF) BSCC #S1802S17 AND 2 #14 THHN (RED + & BLACK –)	ANN/CPU SERIAL DATA ANNUN. POWER
V	2 #12 THHN (RED + & BLACK –)	VISUAL STROBE
P	2 #14 THHN (RED+ & BLACK –)	REMOTE SYSTEM POWER

WIRE FILL CHART

CONDUIT TRADE SIZE (INCHES)		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
TYPE LETTERS	CONDUCTOR SIZE AWG, KCMIL												
T H W N T H H N	14	13	24	39	69	94	154						
	12	10	18	29	51	70	114	164					
	10	6	11	18	32	44	73	104	160				
	8	3	5	9	16	22	36	51	79	106	136		

		AREA – SQUARE INCHES									
			PERCENT REDUCTION PER NUMBER OF 18AWG TWISTED SHIELDED PAIRS								
TRADE SIZE	INTERNAL DIAMETER INCHES	TOTAL 100%	OVER 2 COND. 40%	1	2	3	4	5	6	7	8
1/2	.622	.30	.12	33%	66%	99%	X	X	X	X	X
3/4	.824	.53	.21	19%	38%	57%	76%	95%	X	X	X
1	1.049	.86	.34	12%	24%	36%	48%	60%	72%	84%	96%
1 1/4	1.380	1.50	.60	7%	14%	21%	28%	35%	42%	49%	56%
1 1/2	1.610	2.04	.82	5%	10%	15%	20%	25%	30%	35%	40%
2	2.067	3.36	1.34	3%	6%	9%	12%	15%	18%	21%	24%

MAXIMUM NUMBER OF CONDUCTORS IN TRADE SIZES OF CONDUIT OR TUBING
MINIMUM SIZE OF CONDUIT FOR THIS PROJECT IS 3/4"

BATTERY CALCULATIONS

PART	DESCRIPTION	QTY	STAND–BY	STAND–BY TOTAL	ALARM	ALARM TOTAL	NOTES
4120–8001	FIRE ALARM PANEL	1					
4120–7000	MASTER CONTROLLER	1	0.625 A	0.625 A	0.675 A	0.675 A	
4120–0110	MAPNET II CARD	1	0.470 A	0.470 A	0.490 A	0.490 A	
4120–4001	2 CKT. STYLE Z	4	0.015 A	0.060 A	0.033 A	0.132 A	
4120–3001	4 RELAY 2A W/FEEDBACK	1	0.015 A	0.015 A	0.075 A	0.075 A	
4603–9101	ANNUNCIATOR	1	0.030 A	0.030 A	0.170 A	0.170 A	
4098–9701	SMOKE DETECTORS	80	0.000280 A	0.0224 A	0.120 A	0.120 A	(10% MAX ALARM)
4098–9701	SMOKE IN DUCT DETECTORS	24	0.000280 A	0.00672 A	0.036 A	0.036 A	(10% MAX ALARM)
4903–9215	HORN STROBE, STROBE CURRENT 15cd	10	0		0.095 A	0.095 A	
4903–9215	HORN STROBE, HORN CURRENT	10	0		0.038 A	0.38 A	
4904–9135	STROBE 15cd	13	0		0.095 A	1.235 A	
	30cd	4	0		0.125 A	0.5 A	
	110cd	11	0		0.220 A	2.42 A	
			TOTAL	1.229 A	TOTAL	7.183 A	
			X 24 HOURS	29.49 A/HR	X 5 MIN	0.599 A/HR	
				STD–BY + ALARM		30.089 A/HR	
				BATTERY REQUIRED		40 A/HR	

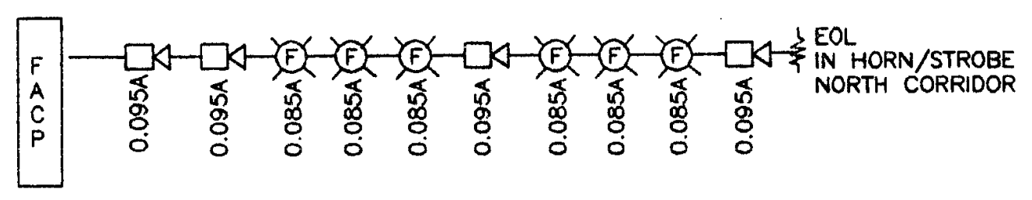
VOLTAGE DROP CALCULATION:

METHOD

$$\frac{\text{DIST. X AMPS X OHMS/FOOT X 100}}{\text{VOLTS}} = \text{V.D.\%}$$

OHM/FT FOR 12 GA = 0.00198

CALCULATION FOR WORT CASE CIRCUIT
SECOND FLOOR NORTH WING.
STROBE CIRCUIT



LENGTH = 431'
WIRE TYPE = 12 GA
TOTAL CURRENT = 0.890 A
VOLTAGE DROP = 3.16 %

SEQUENCE OF OPERATION

DEVICE \ ACTION	ALARM	FLASH STROBES	SOUND HORNS	TROUBLE	SHUT DOWN HVAC	RECAL ELEVATOR	ANNUNCIATE AT LCD IN LOBBY	ANNUNCIATE AT ATTENDED LOCATION
MANUAL PULL STATION	●	●	●		●		●	●
AREA SMOKE DETECTOR	●	●	●		●	●	●	●
DUCT DETECTOR	●	●	●		●	●	●	●
ELEVATOR SMOKE DETECTOR	●	●	●		●	●	●	●
SPRINKLER WATER FLOW	●	●	●		●	●	●	●
SPRINKLER TAMPER				●			●	●
INDICATING CIRCUIT FAILURE				●			●	●
INITIATING CIRCUIT FAILURE				●			●	●
AC/BATTERY FAILURE				●			●	●

LIST OF 1995 CALIFORNIA CODE OF REGULATIONS

APPLICABLE CODES AS OF FEBRUARY 19, 1996

1995 BUILDING STANDARDS ADMINISTRATIVE CODE,
PART 1, TITLE 24 C.C.R.
1995 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(1994 UNIFORM BUILDING CODE VOLUMES 1–3 AND 1995 CALIFORNIA AMENDMENTS)
1995 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(1993 NATIONAL ELECTRICAL CODE AND 1996 CALIFORNIA AMENDMENTS)
1995 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(1994 UNIFORM MECHANICAL CODE AND 1995 CALIFORNIA AMENDMENTS)
1995 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(1994 UNIFORM PLUMBING CODE AND 1995 CALIFORNIA AMENDMENTS)
1995 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
(1994 UNIFORM FIRE CODE AND 1995 CALIFORNIA AMENDMENTS)
1995 CALIFORNIA REFERENCED STANDARDS CODE,
PART 12, TITLE 24, C.C.R.
1990 TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE NFPA STANDARDS

NFPA 13–AUTOMATIC SPRINKLER SYSTEMS,	1994 EDITION
NFPA 14–STANDPIPES SYSTEMS,	1993 EDITION
NFPA 17A–WET CHEMICAL SYSTEMS,	1990 EDITION
NFPA 24–PRIVATE FIRE MAINS,	1992 EDITION
NFPA 72–NATIONAL FIRE ALARM CODES, (CALIFORNIA AMENDED)	1993 EDITION
NFPA 253–CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	1989 EDITION
NFPA 2001–CLEAN AGENT FIRE EXTINGUISHING SYSTEMS.	1994 EDITION

REFERNCE CODE SECTION FOR NFPA STANDARDS–CBC (SFM) 3503.1.3

NOTES:

1.) CONSULT SIMPLEX PRIOR TO MAKING ANY MODIFICATIONS TO SYSTEM WIRING.

2.) ALL WIRING, INITIATING DEVICE AND ANNUNCIATOR PANEL SHALL BE SUPERVISED TO THE PRINCIPAL POINT OF ANNUNCIATION (F/A PANEL TO SUPERVISE THE ANNUNCIATOR PANEL, ALL CIRCUITS AND INITIATING DEVICES).

3.) WIRING SHALL NOT BE LOOPED THROUGH DEVICES; WIRE MUST BE CUT FOR IN AND OUT.

4.) POINT AND COMMON ANNUNCIATION AND T–TAPPING PROHIBITED, EXCEPT CLASS "B" MAPNET WIRING.

5.) ALL WIRING TO BE IN CONDUIT.

6.) ALL TERMINATIONS IN MAIN PULL BOXES AND TERMINAL CABINETS SHALL BE ON BOX MOUNTED TERMINAL BLOCKS.

7.) THE FACP IS NOT TO BE USED AS A TERMINAL CABINET.

8.) ALL CONDUIT SIZES INDICATED IN DRAWINGS ARE MINIMUMS. CONTRACTOR TO ADJUST SIZE FOR FIELD CONDITIONS (IE NO. OF BENDS ETC.) BUT SHALL NOT BE SMALLER THAN 3/4".

9.) ALL FIRE ALARM WIRING MUST TEST FREE OF OPENS, SHORTS AND GROUNDS.

10.) ALL CONTRACTOR WIRING MUST ENTER AT THE TOP AND BOTTOM RIGHT OF THE FIRE ALARM CONTROL PANEL.

11.) FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE ONLY. CONTRACTOR TO ROUTE CONDUIT AS FIELD CONDITIONS INDICATE.

12.) CONDUIT AND JUNCTION\BACK BOXES ARE NOT TO BE USED FOR UNRELATED WIRING.

13.) PULL STATIONS SHALL BE MOUNTED AT 48" ABOVE FINISHED FLOOR TO CENTER OF BOX.

14.) PENETRATIONS TO FIRE–RATED ASSEMBLIES SHALL BE PROTECTED BY A UL APPROVED THROUGH–PENETRATION FIRE–STOP SYSTEM, IN ACCORDANCE WITH CBC PART 2, CHPT. 43, TITLE 24.

15.) AUDIBLE/VISUAL DEVICES SHALL BE MOUNTED AT A MINIMUM OF 80" MEASURED TO THE BOTTOM OF DEVICE, OR 6" BELOW CEILING WHICHEVER IS LOWER.

16.) UPON THE CERTIFICATE OF COMPLIANCE, THE INSTALLER/SUPPLIER SHALL SUPPLY THE OWNER WITH A WRITTEN OPERATING, TESTING AND MAINTENANCE INSTRUCTIONS, POINT–TO–POINT AS BUILT DRAWINGS, AND EQUIPMENT SPECIFICATIONS.

17.) SYSTEM IS NON–POWER LIMITED

18.) ALL REQUIREMENTS OF CONTRACT SPECIFICATIONS AND DRAWINGS APPLY.

19.) SEE SIMPLEX4100 FIELD WIRING SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

20.) PROVIDE SIMPLEX WITH ONE COPY OF "AS BUILT" DRAWINGS SO THAT ACCURATE DOCUMENTATION CAN BE MAINTAINED.

21.) 120VAC IS NOT PERMITTED IN SAME CONDUIT WITH LOW VOLTAGE WIRING.

22.) DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY–TRAINED SIMPLEX TECHNICAL REPRESENTATIVE.

23.) DUCT VELOCITY AND PRESSURE DIFFERENTIAL TEST OF DUCT SMOKE DETECTOR OR INSTALLATIONS SHALL BE TESTED AND VERIFIED TO BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS PER 72, SEC 2–1.2.

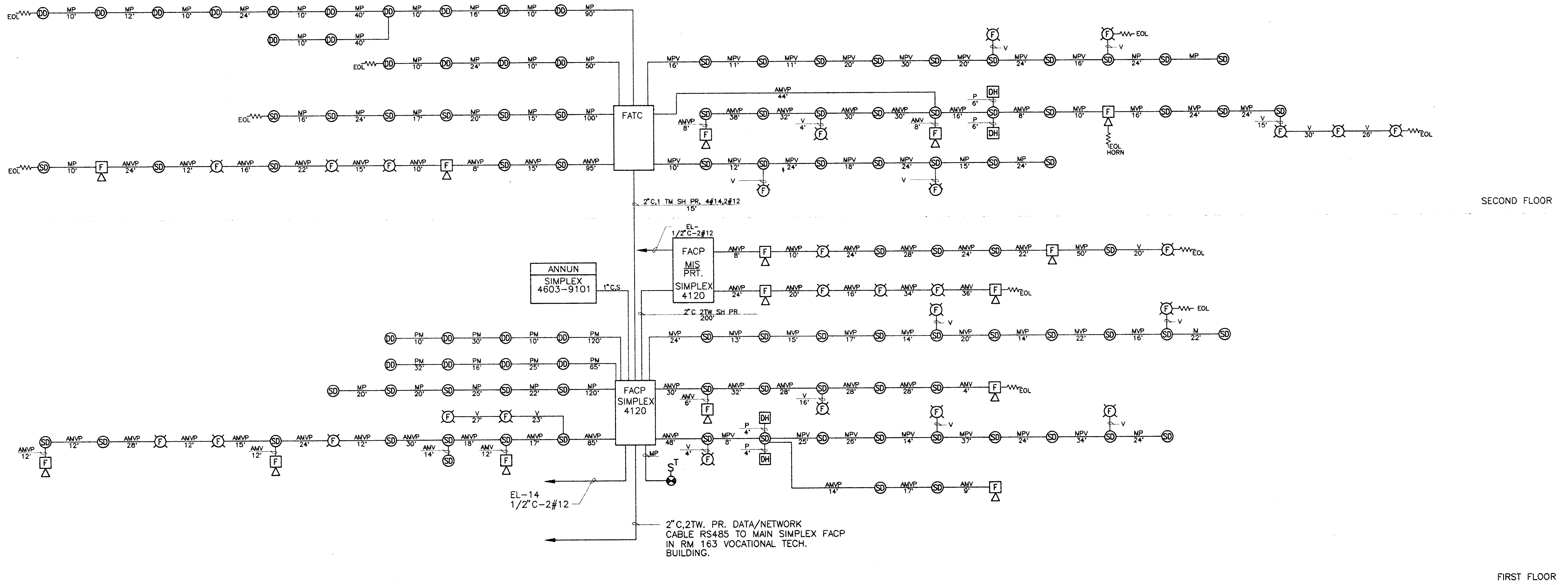
24.) THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIF. ELECTRICAL CODE, AND TO TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT.

25.) A STAMPED SET OF APPROVED FIRE ALARM PLANS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM THE APPROVED PLANS, INCLUDING SUBSTITUTION OF DEVICES, SHALL BE APPROVED BY THE OSHPD FIRE MARSHAL.

26.) ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE, OR RECOGNIZED STANDARDS, SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.

27.) ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.

28.) FOR INSPECTION AND/OR TESTING, THE FIRE MARSHAL SHALL BE NOTIFIED FOR SCHEDULING AND AN APPOINTMENT. THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY.



FIRE ALARM RISER DIAGRAM (A / E6.1)
SCALE: NTS

Jenkins/Gales & Martinez, Inc.
Project & Construction Management

5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721

Architects • Engineers • Planners

PROGRAMMING
PLANNING
ARCHITECTURE

DRAWN
CHECKED
APPROVED

CONSULTANT

CIVIL:
WAGNER ENGINEERING & SURVEY, INC.
14930 VENTURA BLVD., STE. 240
SHERMAN OAKS, CA 91403
818–995–9880
818–995–9877 FAX

LANDSCAPE:
DSK LANDSCAPE ARCHITECTS
3333 WILSHIRE BLVD. SUITE 103
LOS ANGELES, CA. 90010
213–382–3113
213–382–2669 FAX

STRUCTURAL:
JOHN A. MARTIN & ASSOCIATES, INC.
1212 S. FLOWER
LOS ANGELES, CA 90015
213–483–6490
213–483–3084 FAX

MECHANICAL & PLUMBING:
MAROKO & ASSOCIATES
12517 CHANDLER BLVD.
VALLEY VILLAGE, CA 71607
818–760–7300
818–760–4645 FAX

ELECTRICAL:
SILVER, ROTH & ASSOCIATES, INC.
511 S. FAIRFAX AVENUE
LOS ANGELES, CA 90036–3130
213–933–3700
213–933–3874 FAX

AMVP
44'

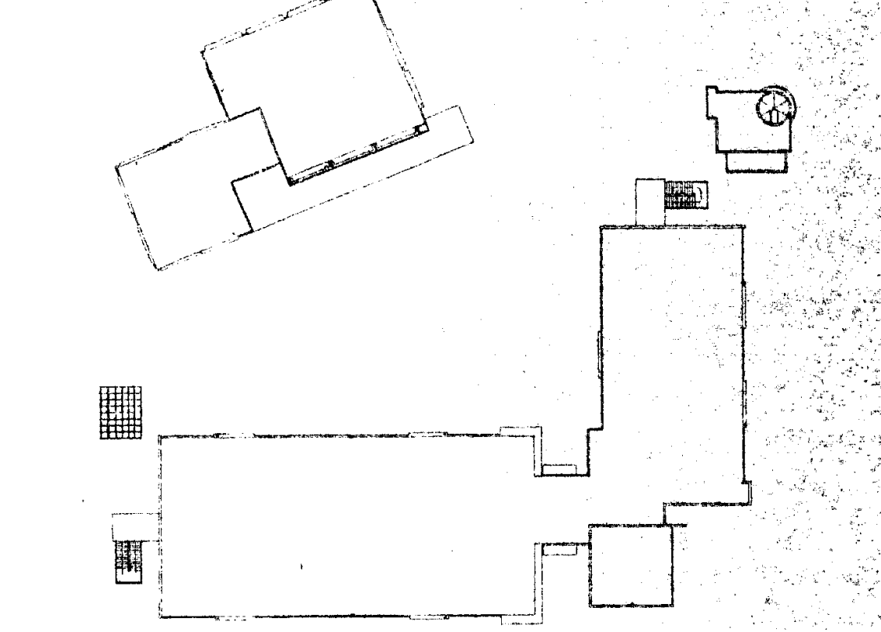
SEAL

FELIX ROTH
No. 012941
Exp. 3-31-01

MORRIS R. POINDEXTER
3-31-99
RENEWAL DATE

SILVER,ROTH & ASSOCIATES.INC.
CONSULTING ELECTRICAL ENGINEERS
511 SOUTH FAIRFAX AVENUE
LOS ANGELES, CALIF 90036–3130
(213) 933–3700 REG.NO. E 12941

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
FIRE ALARM RISER,
GEN. NOTES AND SPEC.

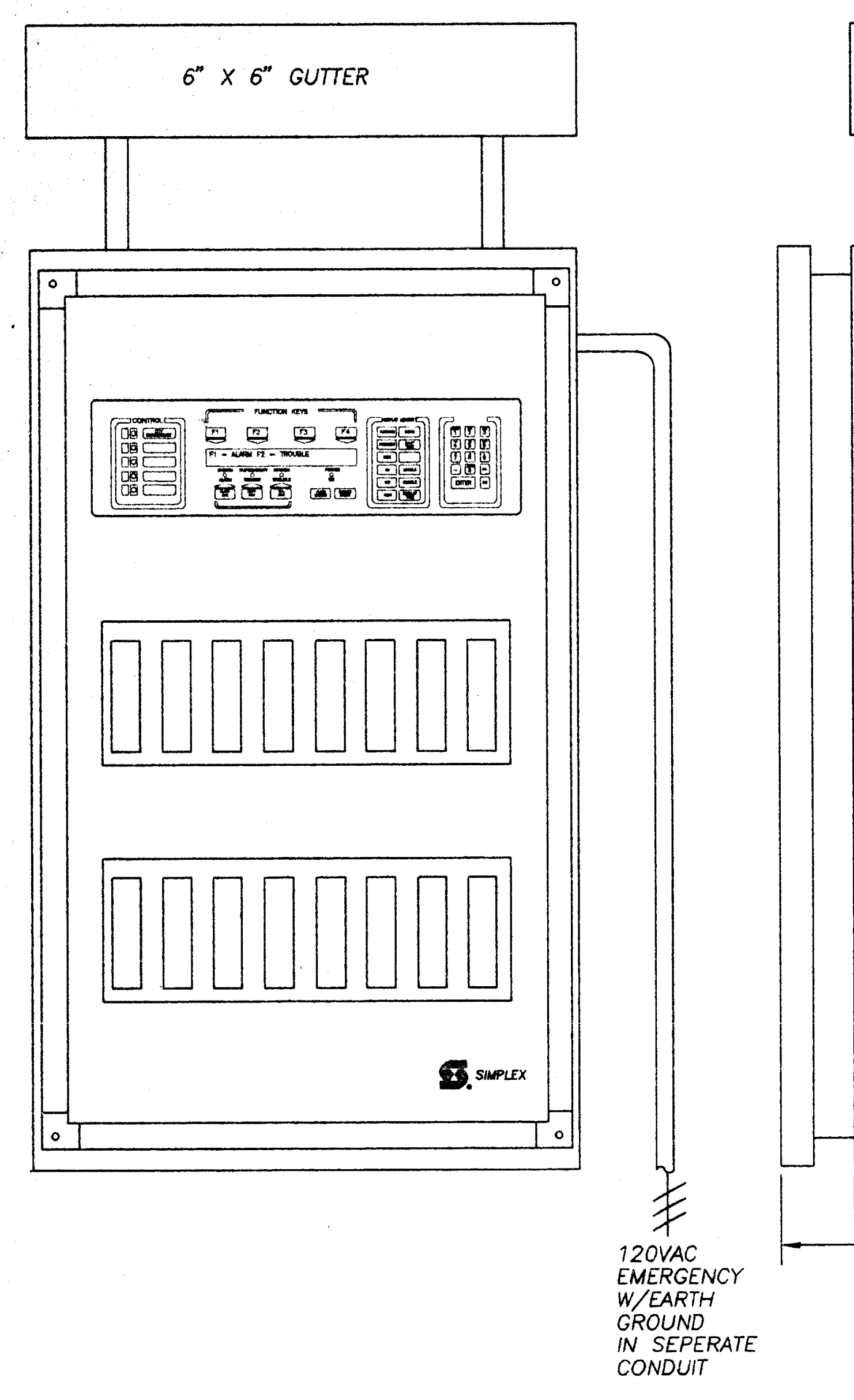
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ___ FLS ___ SS ___
DATE 3-20-98

FILE:
SCALE AS NOTED
JOB NO.
DATE 1.20.98

SHEET NO.
EF2.1
OF ____ SHEETS

PLOT DATE: 1.20.98

FIRE ALARM SYSTEM: COMPLETE PLAN SUBMITTAL



SIMPLEX #4120-8201 FIRE ALARM CONTROL PANEL

DIMENSIONS: 52 1/8" X 26 1/4"

NOTE: MUST NOT USE CONDUIT AS GROUND PATH.
MUST PROVIDE EARTH GROUND.
USE 12 GA. SOLID TO COPPER WATER PIPE OR SIMILARLY SUITABLE METHOD.
ALL FIRE ALARM PANELS MUST BE CONNECTED TO A UNIFIED GROUND.
120VAC MUST ENTER THRU RIGHT SIDE OF PANEL AS SHOWN.

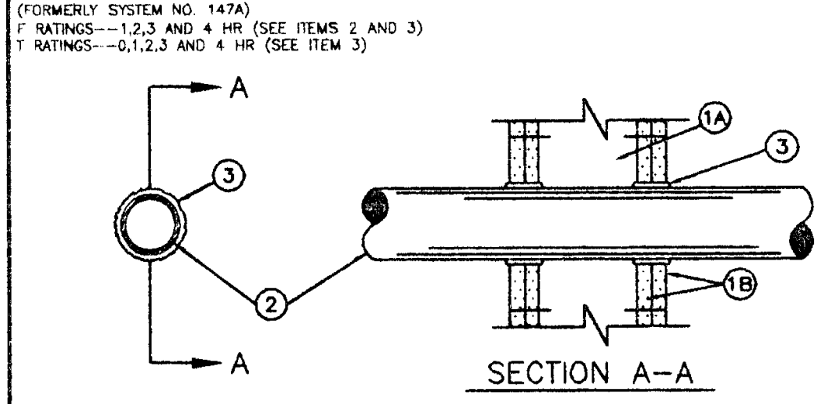
120VAC

FIRE STOP METHODS

Note:
PENETRATIONS OF FIRE RATED ASSEMBLIES MUST BE PROTECTED BY U.L. SYSTEM WL 1001, 1002 OR 1003.
SUCH PENETRATIONS ARE TYPICALLY FOUND AT:
A) OCCUPANCY SEPARATIONS
B) EXTERIOR WALLS
C) AREA SEPARATIONS
D) JANITOR CLOSETS
E) SHAFT ENCLOSURES
F) CORRIDORS
G) STAIR ENCLOSURES
H) EXIT PASSAGEWAYS
I) "TYPE OF CONSTUCTION SEPARATION"
J) BOILER, CENTRAL HEATING PLANT, OR
HOT WATER SUPPLY ROOM ENCLOSURES.

THROUGH–PENETRATION FIRESTOP SYSTEMS (XHEZ)

SYSTEMS NO. WL1001–CAULK ONLY
(FORMERLY SYSTEM NO. 147A)
F RATINGS––1,2,3 AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS––0,1,2,3 AND 4 HR (SEE ITEM 3)



SECTION A–A

1. Wall assembly – the 1,2,3 or 4 hr. fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 series wall or partition designs in the U.L. Fire Resistance Directory and shall include the following contruction features:
   - A. Studs–Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of nominal 2 by 4 in. lumber spaced 16 in. OC with nominal 2 by 4 in. lumber end plates and cross braces. Steel studs to be minimum 3-5/8 in. wide by 1-3/8 in. deep channels spaced max. 24 in. O.C.
   - B. Wallboard, Gypsum* -nom 1/2 or 5/8 in thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the U.L. Fire Resistance Directory. Maximum diameter of opening is 13-1/2 in.
2. Pipe or Conduit–Nom 12 in. dia. (or smaller) Schedule 10 (or heavier) steel pipe, nom.6 in. dia. (or smaller) steel conduit, nom. 4 in. dia. (or smaller) steel Electrical Metallic Tubing or Type L (or heavier) copper tubing or nom 1 in. dia. (or smaller) flexible steel conduit. When copper pipe or flexible steel conduit is used, max F Rating of firestop system (item 3) is 2 hr. Steel pipes or conduits larger than nom 4 in. dia may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the firestop system. Pipe or conduit to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly.
3. Fill, Void or Cavity Material* – Caulk** – Caulk fill material installed to completely fill annular space between pipe or conduit and gypsum wallboard and with a min. 1/4 in. dia. bead of caulk applied to perimeter of pipe or conduit at its egress from the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F rating of the firestop system is dependent upon the hourly fire rating of wall assembly in which it is installed as shown in the following table. The hourly T rating of the fire stop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

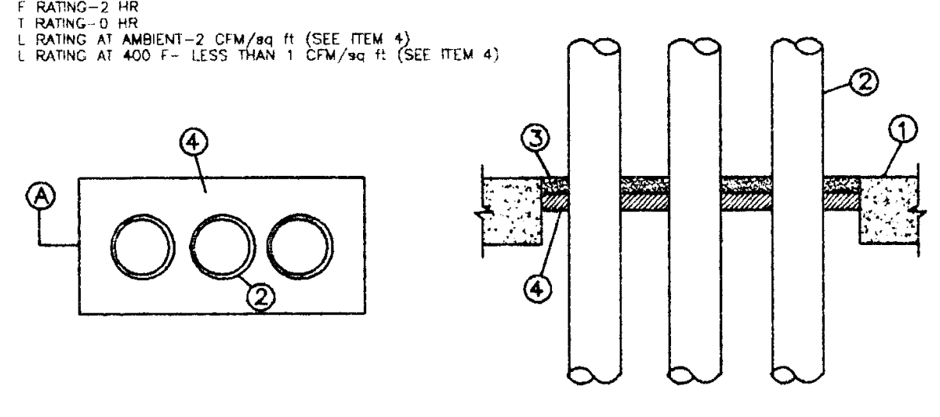
Max Pipe or Conduit Diameter, In.	Annular Space, in.	F Rating Hour	T Rating, Hour
1	0 to 3/16	1 or 2	0+, 1 or 2
1	1/4 to 1/2	3 or 4	3 or 4
4	0 to 1/4	1 or 2	0
6	1/4 to 1/2	3 or 4	0
12	3/16 to 3/8	1 or 2	0

+When copper pipe is used, T Rating is 0 hour.

* Bearing the UL Classification Marking.
**Mining & Mfg. co. – Types CP-25 S/L, CP-25 N/S, CP-25 WB, CP-25 WB+

THROUGH–PENETRATION FIRESTOP SYSTEMS (XHEZ)

SYSTEM NO. FA1002
(FORMERLY SYSTEM NO.152)
F RATING–2 HR
T RATING–0 HR
L RATING AT AMBIENT–2 CFM/sq ft (SEE ITEM 4)
L RATING AT 400 F– LESS THAN 1 CFM/sq ft (SEE ITEM 4)

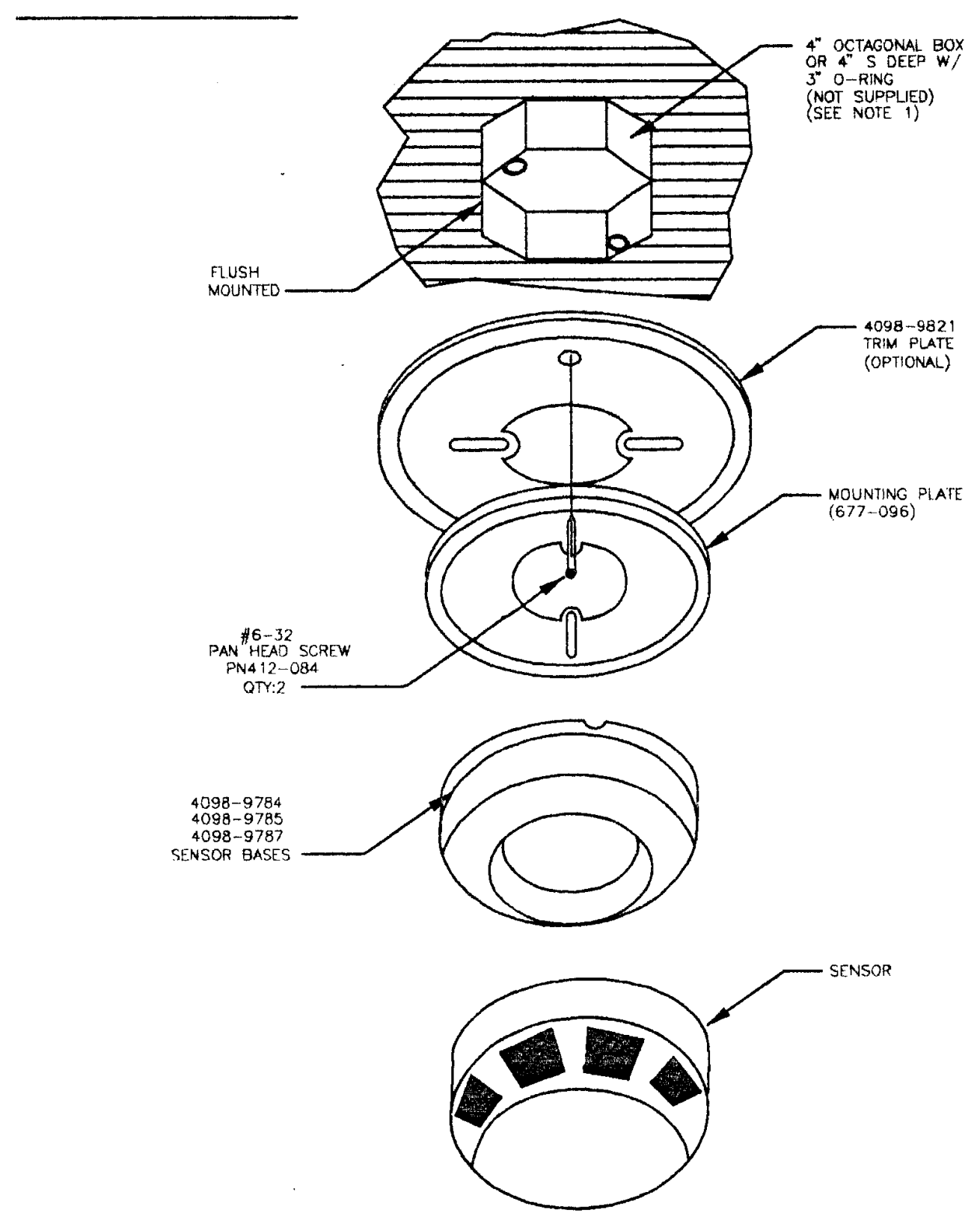


1) Floor Assembly – Min. 4-1/2 in. thick lightweight or normal weight (100-150 pcf) concrete Max area of opening 192 sq. in. with max length of 24 in. and max width of 8 in.
2) Pipe – Nom 4 in. diam (or smaller) type L (or heavier) copper tubing Schedule 10 (or heavier) steel pipe, steel conduit or steel EMT to be installed with a min. clearance of 1 in and a max clearance of 2 in. from the sides of the through opening. A min seoparation of 1 in.shall be maintained between adjacent pipes. Pipes to be rigidly supported on both sides of floor assembly.
3) Packing Material – Min 1 in. thick mineral-wool batt material insulation firmly packed into opening as a permanent form with its top surface recessed min. 1 in. from top surface of floor.
4) Fill, Void, or Cavity Materials* – Caulk – Applied to fill through opening to a min depth of 1 in., flush with top surface of floor.
Minnesota Mining & Mfg. Co. – types CP-25 WB, CP-25 WB +. (Note: L Ratings apply only when Type CP-25 WB+ caulk is used.)

*Bearing the UL Classification Marking

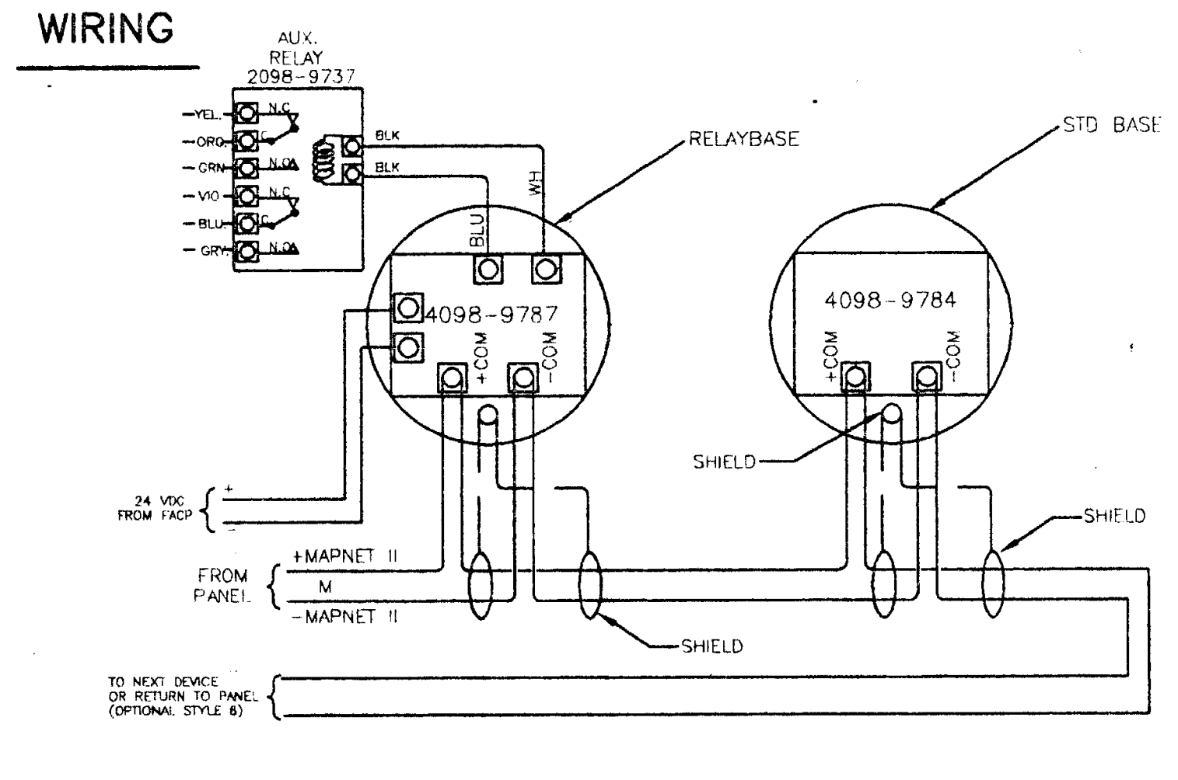
ADDRESSABLE SMOKE/HEAT DETECTOR

MOUNTING



NOTES:
1. BASE ALSO FITS THE FOLLOWING BOXES: 4" (10.16 CM) SQUARE, 3-1/2" (8.89) OCTAGONAL, OR SINGLE-GANG. WHEN USING A SINGLE-GANG BOX, USE #6-32 SCREW AND WASHER FOR MOUNTING. THE 4098-9784-9785, AND -9787 REQUIRE THE 4098-9821 TRIM PLATE TO MOUNT ON A 4" SQUARE (RECOMMENDED FOR RETROFIT ONLY).

WIRING



TRUE–ALARM TM. DUCT DETECTOR

4098–9706
DUCT HOUSING
W/RELAY

research report number
#RR8275

DIMENSIONS

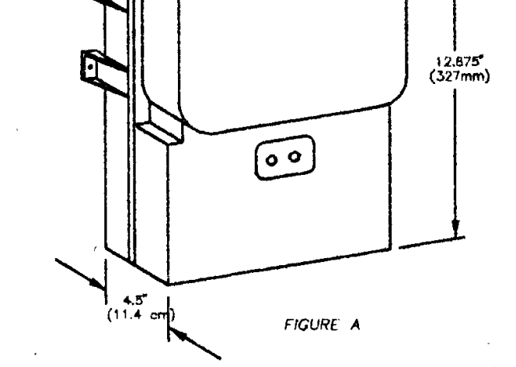


FIGURE A

INTERNAL LAYOUT

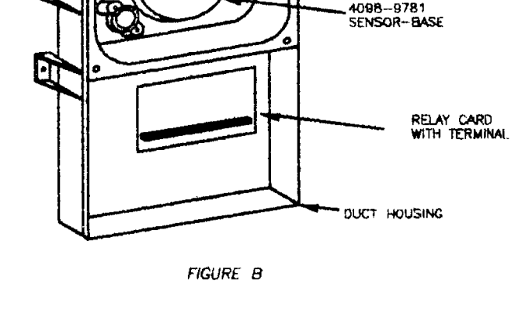
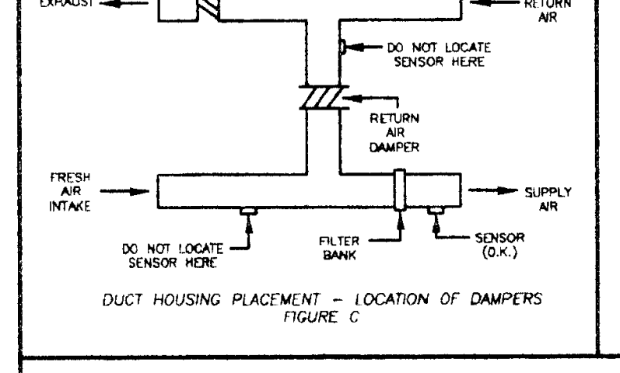
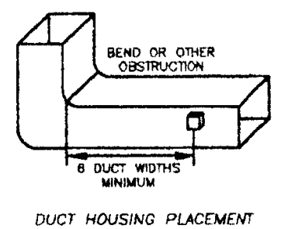


FIGURE B

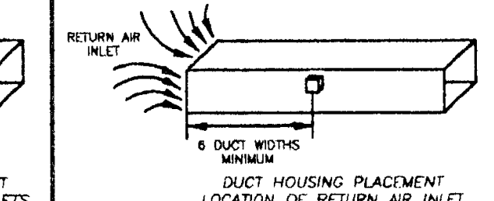
SUGGESTED MOUNTING METHODS



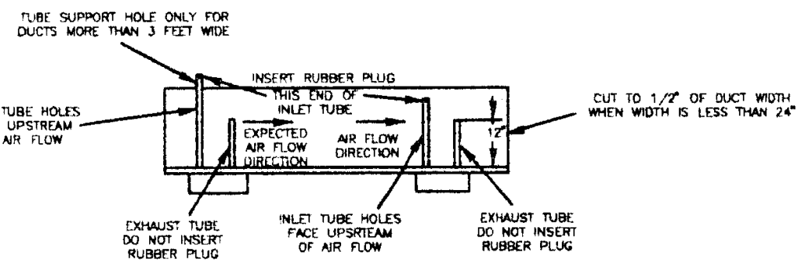
DUCT HOUSING PLACEMENT – LOCATION OF DAMPERS
FIGURE C



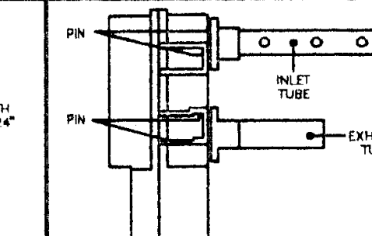
DUCT HOUSING PLACEMENT
LOCATION OF BENDS OR INLETS
FIGURE D



DUCT HOUSING PLACEMENT
LOCATION OF RETURN AIR INLET
FIGURE E

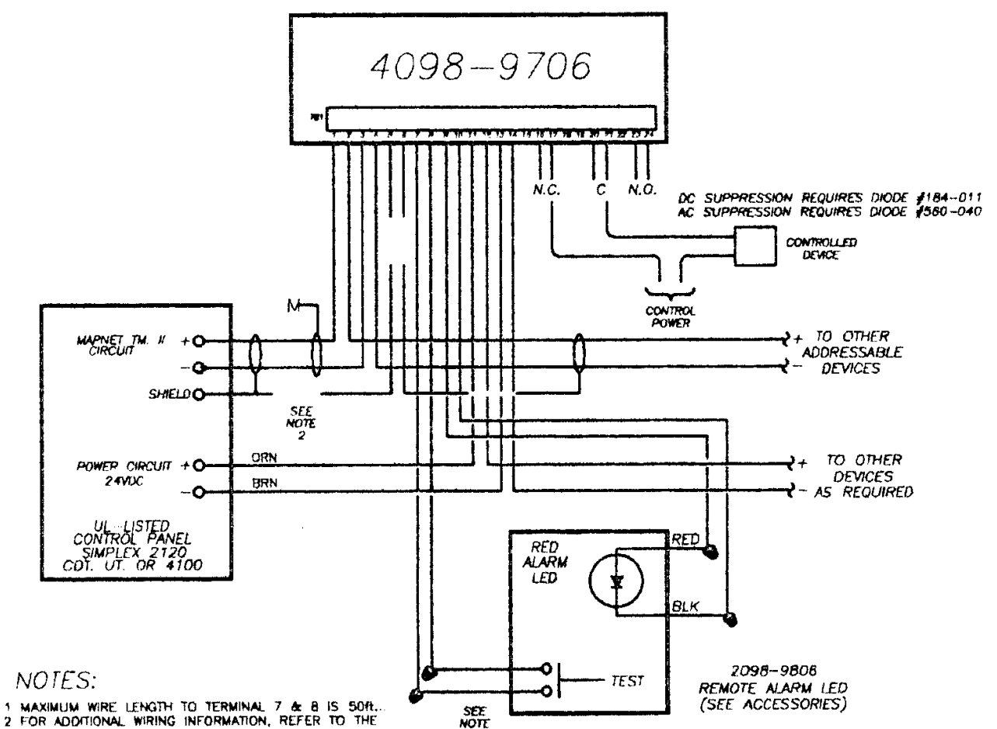


INLET TUBE ORIENTATION
FIGURE F



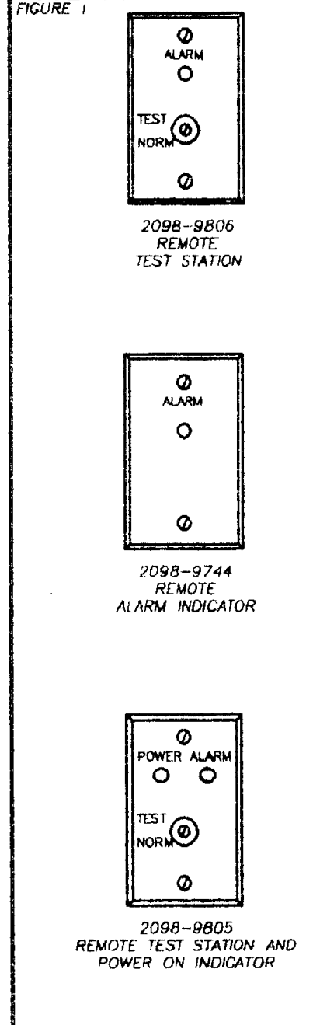
INLET TUBE INSTALLATION
FIGURE G

(TYPICAL CONNECTION)
FIGURE H



NOTES:
1. MAXIMUM WIRE LENGTH TO TERMINAL 7 & 8 IS 50ft.
2. FOR ADDITIONAL WIRING INFORMATION, REFER TO THE M-2120-CDT DRAWINGS, THE 4100 FIELD WIRING DIAGRAM (841-731), OR MAPNET TM. II DEVICES (841-804).
3. WHENEVER POSSIBLE, LOCATE AIR DUCT SENSOR HOUSING A MINIMUM OF SIX DUCT WIDTHS DOWNSTREAM FROM BENDS OR INLETS. SUCH LOCATIONS ENSURE THAT AIR FLOW WILL BE NON-TURBULENT AND THAT SMOKE WILL BE PROPERLY MIXED WITH AIR IN THE DUCT FOR MAXIMUM SENSOR EFFICIENCY SEE FIGURE
4. INSTALLATION OF A DUCT HOUSING TO A ROUND DUCT IS THE SAME AS SHOWN ABOVE AS LONG AS ROUND DUCT IS NOT LESS THAN 24" (610mm) IN DIAMETER.
5. LOCATE AIR DUCT SENSOR HOUSING SO THAT DAMPERS DO NOT RESTRICT AIR FLOW AT THE SENSOR LOCATION SEE FIGURE
6. LOCATE AIR DUCT HOUSING ON THE RETURN DUCT OF THE EQUIPMENT'S AIR HANDLING SYSTEM. HOWEVER, SENSORS SHOULD NOT BE INSTALLED IN THE RETURN DAMPER BRANCH. SEE FIGURE
7. WHENEVER POSSIBLE, LOCATE SENSORS WHERE THEY CAN BE CONVENIENTLY OBSERVED AND READILY SERVED.
8. LOCATE SENSORS IN RETURN AIR DUCTS AHEAD OF MIXING AREAS.
9. FOR FURTHER INFORMATION SEE PER-21-019

ACCESSORIES
FIGURE I

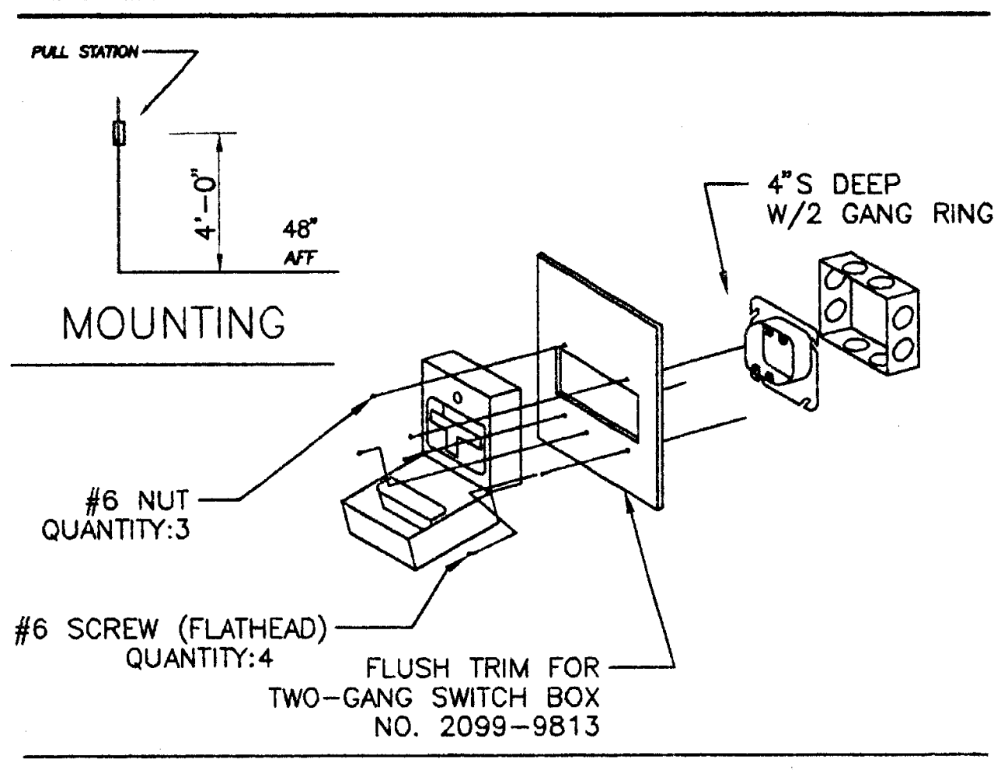


2098–9806
REMOTE
TEST STATION

2098–9744
REMOTE
ALARM INDICATOR

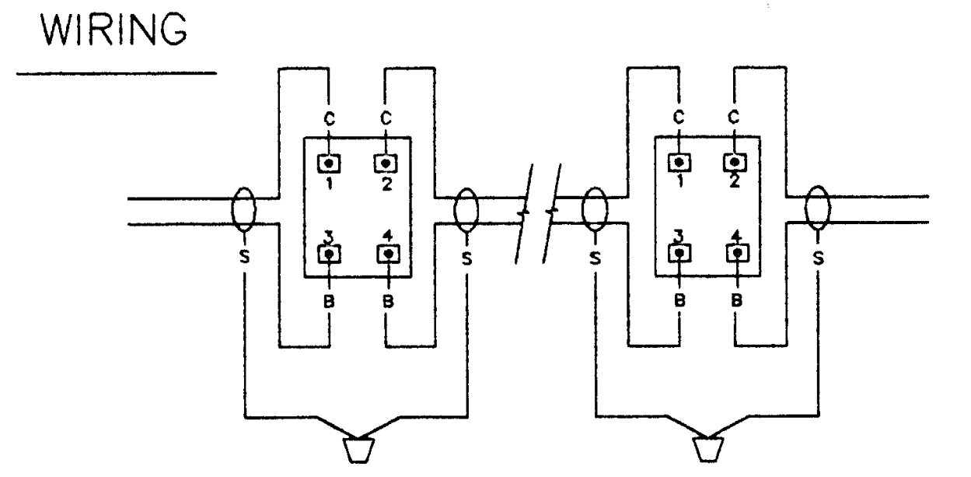
2098–9805
REMOTE TEST STATION AND
POWER ON INDICATOR

ADDRESSABLE PULL STATION

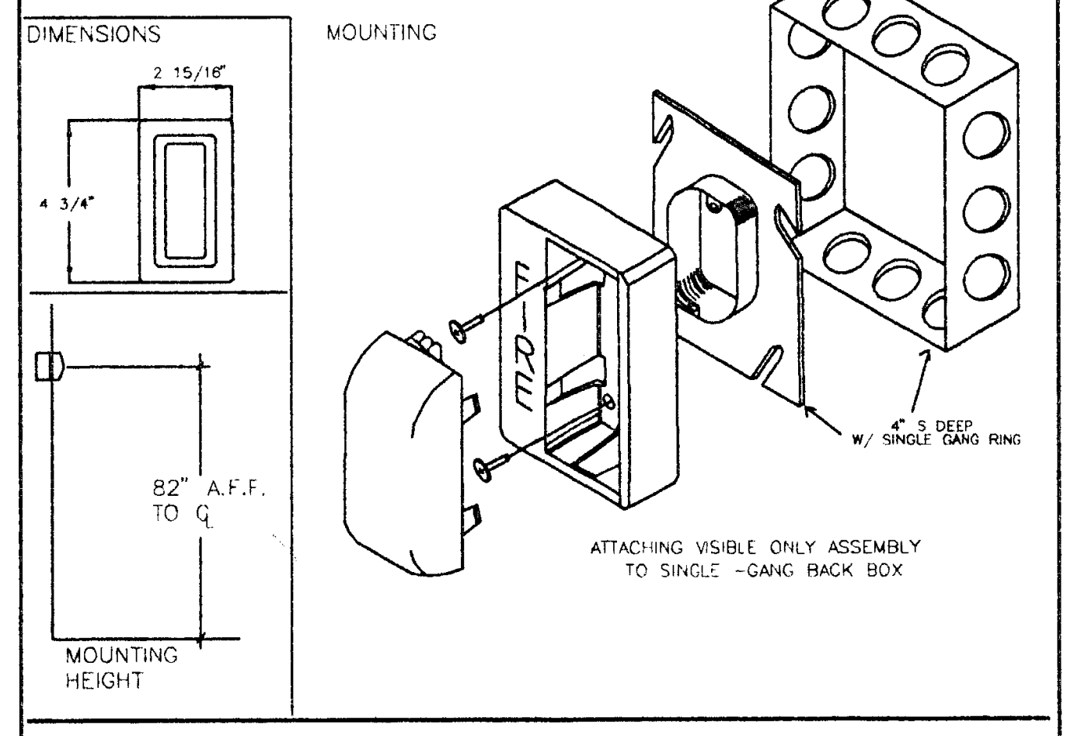


MOUNTING

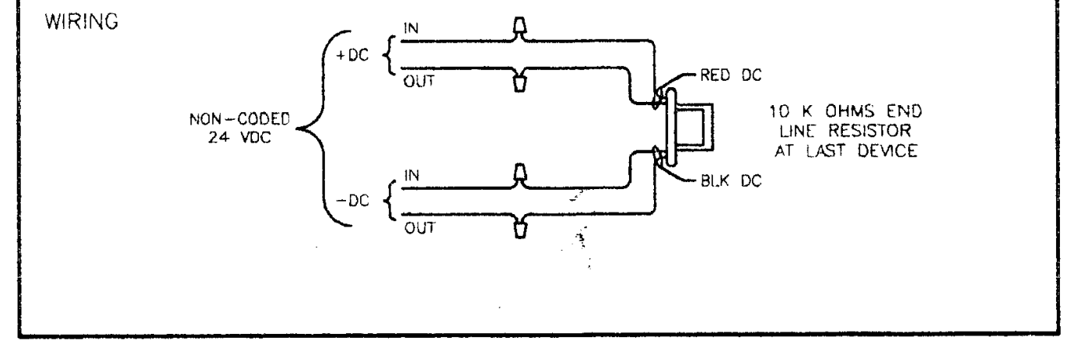
WIRING



STROBE LIGHT



WIRING

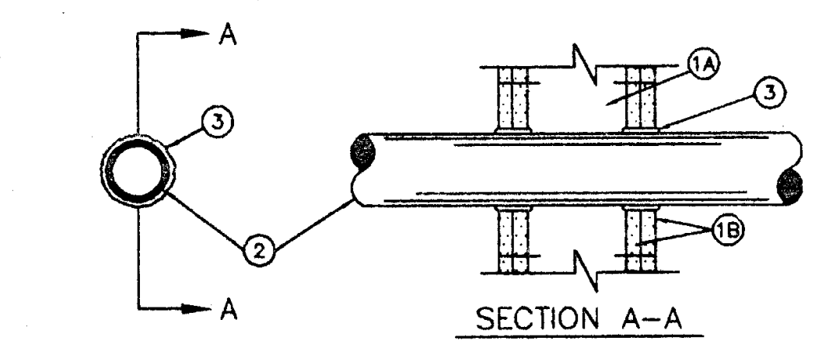


FIRE STOP METHODS

Note:
PENETRATIONS OF FIRE RATED ASSEMBLIES MUST BE PROTECTED BY U.L. SYSTEM WL 1001, 1002 OR 1003.
SUCH PENETRATIONS ARE TYPICALLY FOUND AT:
A) OCCUPANCY SEPARATIONS
B) EXTERIOR WALLS
C) AREA SEPARATIONS
D) JANITOR CLOSETS
E) SHAFT ENCLOSURES
F) CORRIDORS
G) STAIR ENCLOSURES
H) EXIT PASSAGEWAYS
I) "TYPE OF CONSTUCTION SEPARATION"
J) BOILER, CENTRAL HEATING PLANT, OR
HOT WATER SUPPLY ROOM ENCLOSURES.

THROUGH–PENETRATION FIRESTOP SYSTEMS (XHEZ)

SYSTEMS NO. WL1001–CAULK ONLY
(FORMERLY SYSTEM NO. 147A)
F RATINGS––1,2,3 AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS––0,1,2,3 AND 4 HR (SEE ITEM 3)



SECTION A–A

1. Wall assembly – the 1,2,3 or 4 hr. fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 series wall or partition designs in the U.L. Fire Resistance Directory and shall include the following contruction features:
   - A. Studs–Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs to consist of nominal 2 by 4 in. lumber spaced 16 in. OC with nominal 2 by 4 in. lumber end plates and cross braces. Steel studs to be minimum 3-5/8 in. wide by 1-3/8 in. deep channels spaced max. 24 in. O.C.
   - B. Wallboard, Gypsum* -nom 1/2 or 5/8 in thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the U.L. Fire Resistance Directory. Maximum diameter of opening is 13-1/2 in.
2. Pipe or Conduit–Nom 12 in. dia. (or smaller) Schedule 10 (or heavier) steel pipe, nom.6 in. dia. (or smaller) steel conduit, nom. 4 in. dia. (or smaller) steel Electrical Metallic Tubing or Type L (or heavier) copper tubing or nom 1 in. dia. (or smaller) flexible steel conduit. When copper pipe or flexible steel conduit is used, max F Rating of firestop system (item 3) is 2 hr. Steel pipes or conduits larger than nom 4 in. dia may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the firestop system. Pipe or conduit to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly.
3. Fill, Void or Cavity Material* – Caulk** – Caulk fill material installed to completely fill annular space between pipe or conduit and gypsum wallboard and with a min. 1/4 in. dia. bead of caulk applied to perimeter of pipe or conduit at its egress from the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F rating of the firestop system is dependent upon the hourly fire rating of wall assembly in which it is installed as shown in the following table. The hourly T rating of the fire stop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

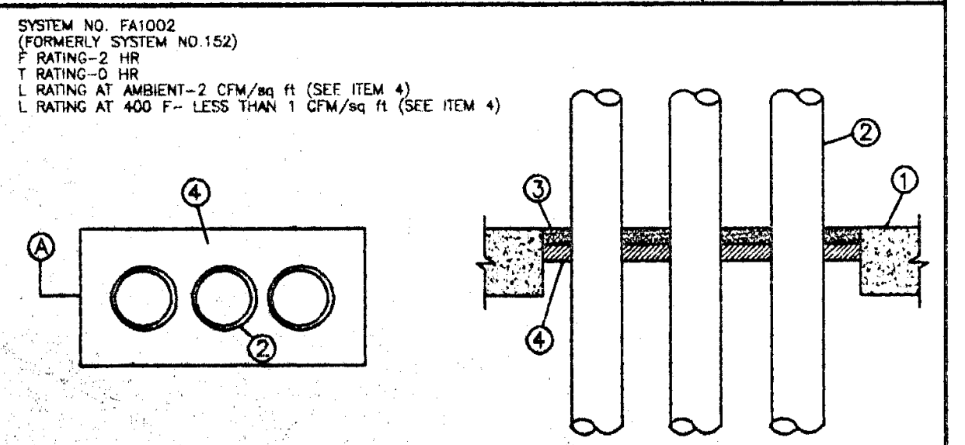
Max Pipe or Conduit Diameter, In.	Annular Space, in.	F Rating Hour	T Rating, Hour
1	0 to 3/16	1 or 2	0+, 1 or 2
1	1/4 to 1/2	3 or 4	3 or 4
4	0 to 1/4	1 or 2	0
6	1/4 to 1/2	3 or 4	0
12	3/16 to 3/8	1 or 2	0

+When copper pipe is used, T Rating is 0 hour.

* Bearing the UL Classification Marking.
**Mining & Mfg. co. – Types CP-25 S/L, CP-25 N/S, CP-25 WB, CP-25 WB+

THROUGH–PENETRATION FIRESTOP SYSTEMS (XHEZ)

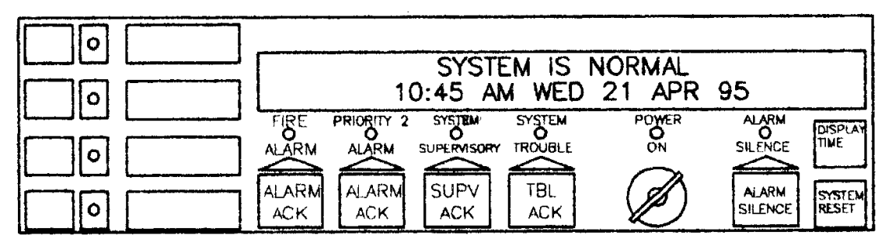
SYSTEM NO. FA1002
(FORMERLY SYSTEM NO.152)
F RATING–2 HR
T RATING–0 HR
L RATING AT AMBIENT–2 CFM/sq ft (SEE ITEM 4)
L RATING AT 400 F– LESS THAN 1 CFM/sq ft (SEE ITEM 4)



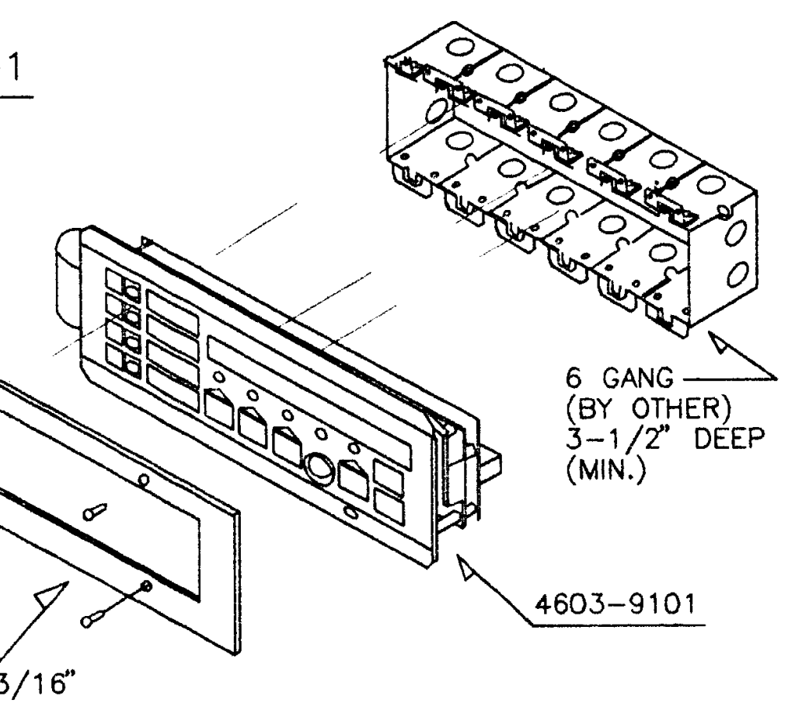
1) Floor Assembly – Min. 4-1/2 in. thick lightweight or normal weight (100-150 pcf) concrete Max area of opening 192 sq. in. with max length of 24 in. and max width of 8 in.
2) Pipe – Nom 4 in. diam (or smaller) type L (or heavier) copper tubing Schedule 10 (or heavier) steel pipe, steel conduit or steel EMT to be installed with a min. clearance of 1 in and a max clearance of 2 in. from the sides of the through opening. A min seoparation of 1 in.shall be maintained between adjacent pipes. Pipes to be rigidly supported on both sides of floor assembly.
3) Packing Material – Min 1 in. thick mineral-wool batt material insulation firmly packed into opening as a permanent form with its top surface recessed min. 1 in. from top surface of floor.
4) Fill, Void, or Cavity Materials* – Caulk – Applied to fill through opening to a min depth of 1 in., flush with top surface of floor.
Minnesota Mining & Mfg. Co. – types CP-25 WB, CP-25 WB +. (Note: L Ratings apply only when Type CP-25 WB+ caulk is used.)

*Bearing the UL Classification Marking

4603–9101 ANNUNCIATOR



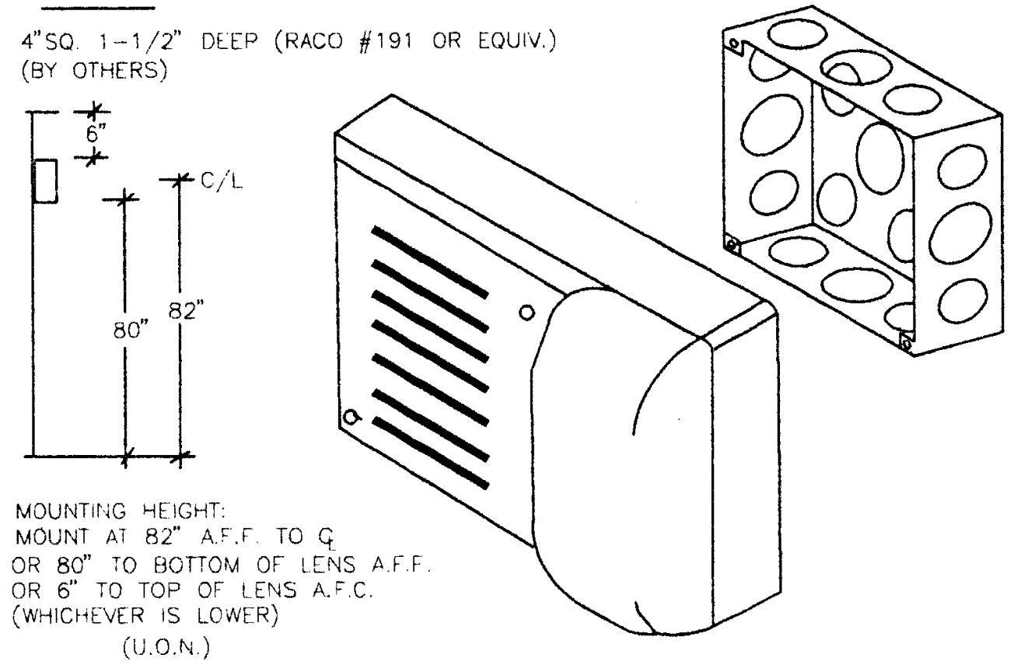
MOUNTING REQUIREMENTS
FOR
4603–9101



NOTE: MOUNT ANNUNCIATOR @60" A.F.F. TO ℄

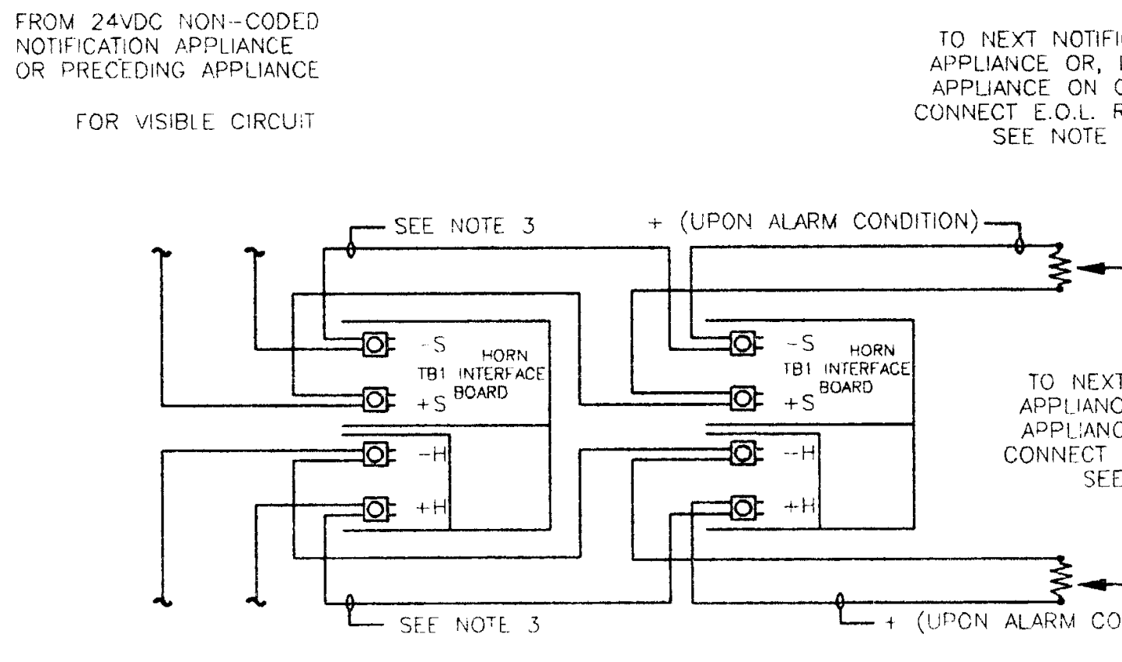
4903–SERIES HORN/STROBE

MOUNTING



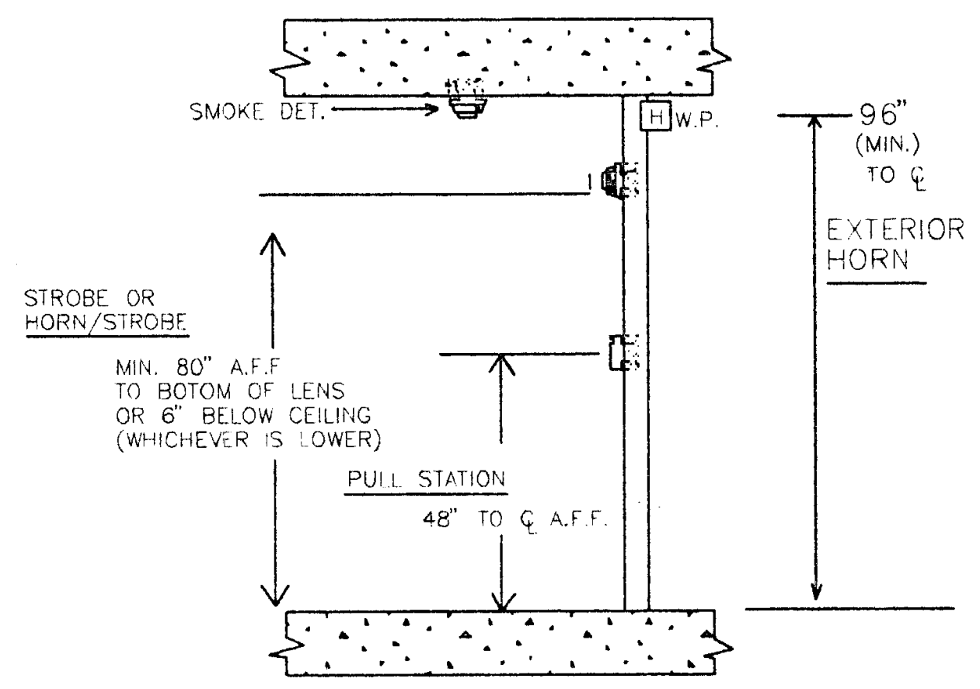
MOUNTING HEIGHT:
MOUNT AT 82" A.F.F. TO ℄
OR 80" TO BOTTOM OF LENS A.F.F.
OR 6" TO TOP OF LENS A.F.C.
(WHICHEVER IS LOWER)
(U.O.N.)

WIRING INFORMATION

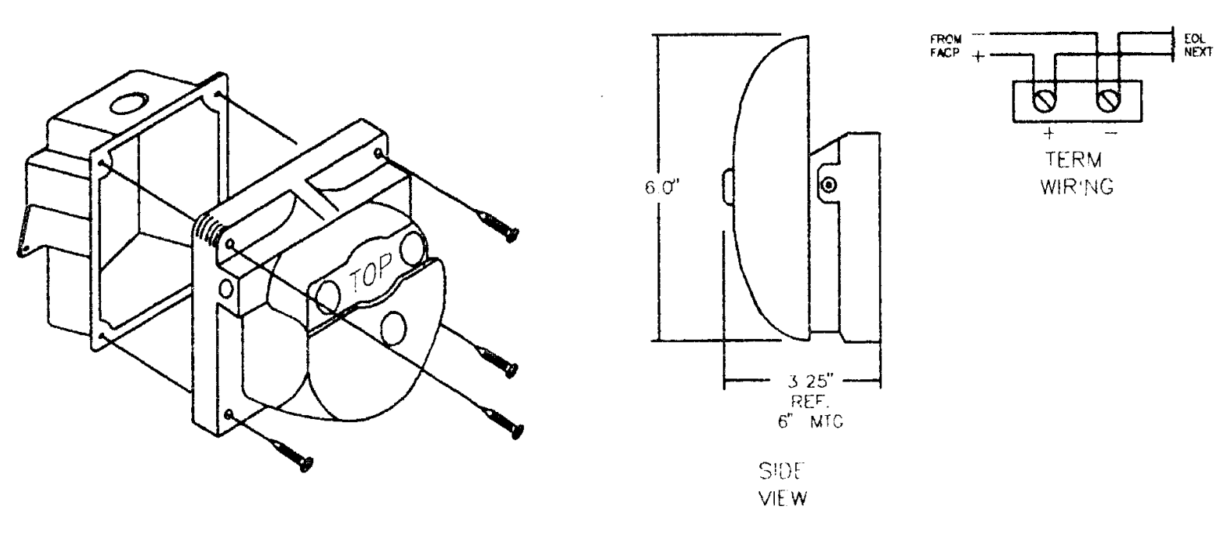


1. NOTIFICATION APPLIANCE IS RATED PER INDIVIDUAL NAMEPLATE.
2. FOR SYSTEM WIRING SPECIFICATIONS, SEE 900-036 FOR 2120 CONTROLS OR 900-082 FOR 4100+/4120 CONTROLS.
3. MAINTAIN CORRECT POLARITY.
4. FOR 2120, 4001, 4002, 4100+, OR 4120 SYSTEM, USE A 10K, 1/2 W E.O.L. RESISTOR.
5. REMOVE/CUT JUMPERS BETWEEN S+/H+ AND S-/H-.

MOUNTING HEIGHTS



BELL



NOTE:
THESE ASSEMBLY CONSISTS OF BASIC MECHANISM PLUS A CONCEALED CONDUIT WALL PLATE FOR ADAPTING TO ANY STANDARD OUTLET BOX. TWO FLAT-HEAD SCREWS ARE FURNISHED FOR MOUNTING THE PLATE TO THE OUTLET BOX. AN INSULATING BUSHING FOR THE PROTECTION OF THE POWER LEADS IS ALSO PROVIDED. 2905-9909 IS A RED PLATE, AND 2905-9910 IS BEIGE.

GENERAL NOTES

1. THE SYSTEM SHALL CONFORM TO TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT
2. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY
3. PENETRATIONS OF FIRE–RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 43, TITLE 24.

ADDRESSABLE DEVICE ADDRESS INSTRUCTIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC FLS SS 2-16
DATE 3-20-98

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Los Angeles, California 90045
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JOHN A. MARTIN & ASSOCIATES, INC.
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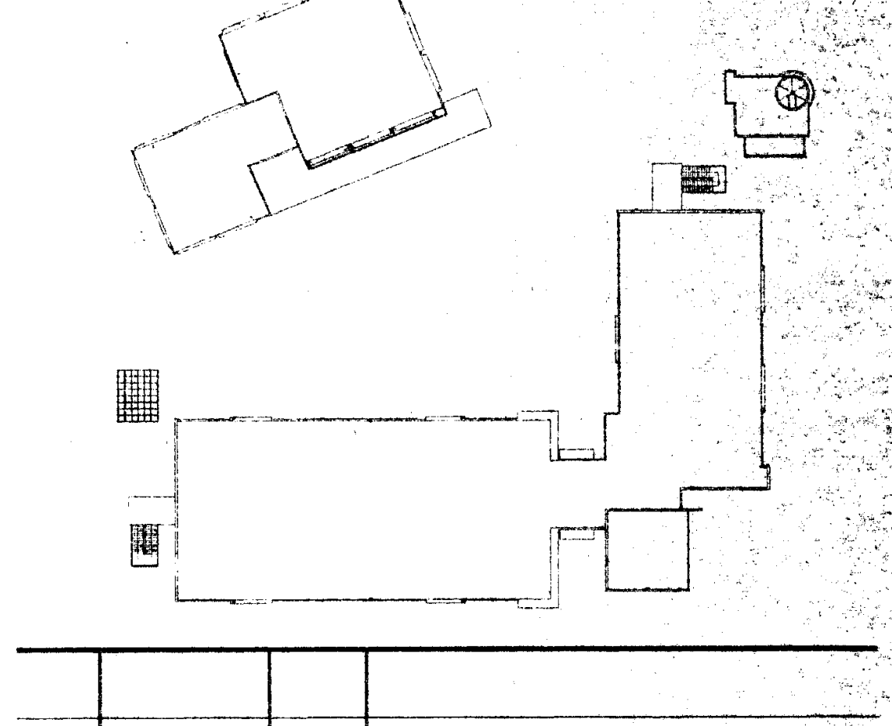
SEAL

FELIX ROTH No. 012941 Exp. 3-31-01

MORRIS R. POINDEXTER C-13900 3-31-99

SILVER, ROTH & ASSOCIATES, INC.
CONSULTING ELECTRICAL ENGINEERS
511 SOUTH FAIRFAX AVENUE
LOS ANGELES, CALIF 90036–3130
(213) 933–3700 REG.NO. E 12941

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

FIRE ALARM
DETAILS

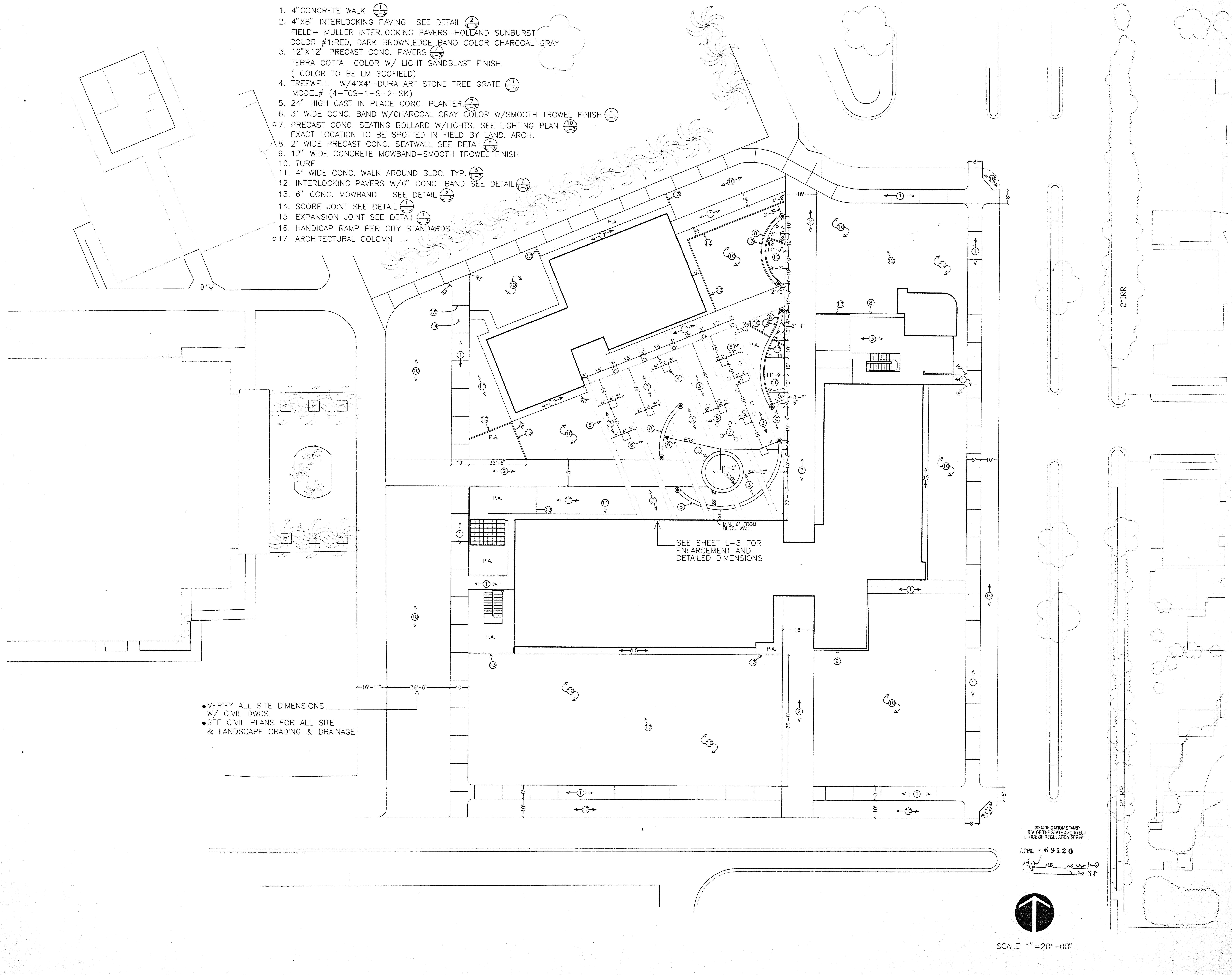
FILE:
SCALE AS NOTED
JOB NO.
DATE 1.20.98

SHEET NO.
EF2.2
OF ____ SHEETS

PLOT DATE: 1.20.98

CONSTRUCTION NOTES

1. 4" CONCRETE WALK (1/L-3)
2. 4"X8" INTERLOCKING PAVING SEE DETAIL (2/L-3)
   FIELD– MULLER INTERLOCKING PAVERS–HOLLAND SUNBURST
   COLOR #1:RED, DARK BROWN,EDGE BAND COLOR CHARCOAL GRAY
3. 12"X12" PRECAST CONC. PAVERS (7/L-3)
   TERRA COTTA COLOR W/ LIGHT SANDBLAST FINISH.
   (COLOR TO BE LM SCOFIELD)
4. TREEWELL W/4'X4'–DURA ART STONE TREE GRATE (11/L-7)
   MODEL# (4–TGS–1–S–2–SK)
5. 24" HIGH CAST IN PLACE CONC. PLANTER. (7/L-3)
6. 3' WIDE CONC. BAND W/CHARCOAL GRAY COLOR W/SMOOTH TROWEL FINISH (4/L-3)
7. ○ PRECAST CONC. SEATING BOLLARD W/LIGHTS. SEE LIGHTING PLAN (10/L-3)
   EXACT LOCATION TO BE SPOTTED IN FIELD BY LAND. ARCH.
8. 2' WIDE PRECAST CONC. SEATWALL SEE DETAIL (9/L-3)
9. 12" WIDE CONCRETE MOWBAND–SMOOTH TROWEL FINISH
10. TURF
11. 4' WIDE CONC. WALK AROUND BLDG. TYP. (5/L-3)
12. INTERLOCKING PAVERS W/6" CONC. BAND SEE DETAIL (6/L-3)
13. 6" CONC. MOWBAND SEE DETAIL (3/L-3)
14. SCORE JOINT SEE DETAIL (1/L-3)
15. EXPANSION JOINT SEE DETAIL (1/L-3)
16. HANDICAP RAMP PER CITY STANDARDS
17. ○ ARCHITECTURAL COLOMN



SEE SHEET L-3 FOR ENLARGEMENT AND DETAILED DIMENSIONS

MIN. 6' FROM BLDG. WALL

- VERIFY ALL SITE DIMENSIONS W/ CIVIL DWGS.
- SEE CIVIL PLANS FOR ALL SITE & LANDSCAPE GRADING & DRAINAGE

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OFFICE OF REGULATION SERVICES

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3-20-98

SCALE 1"=20'-00"

PLOT DATE: 07.15.97

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213–382–2669 FAX

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ELECTRICAL:
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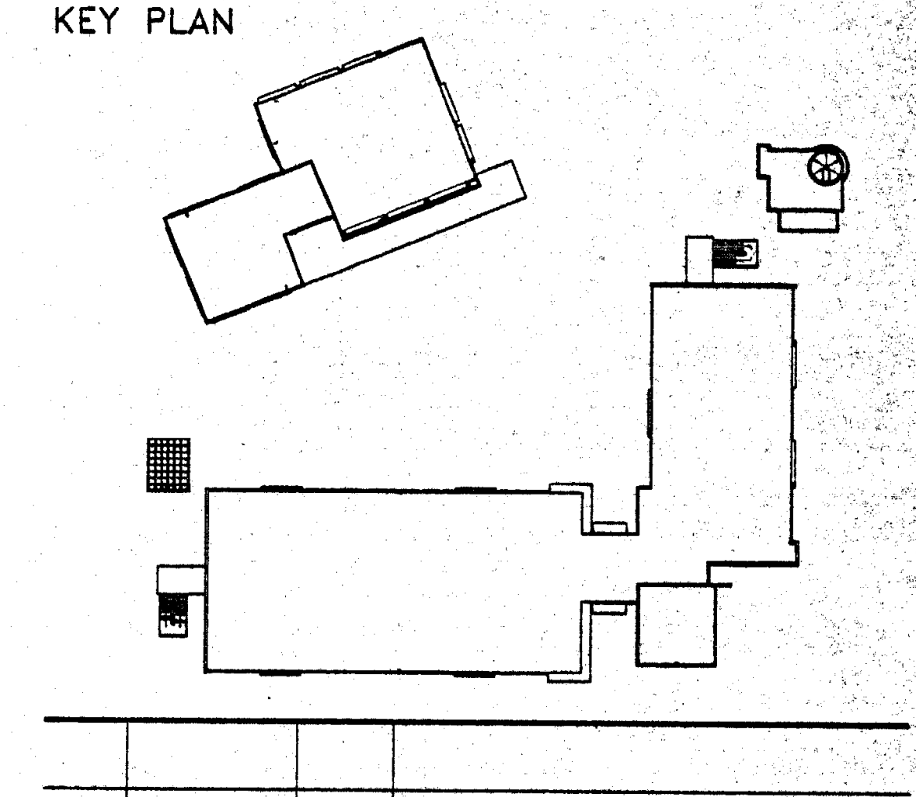
8780 NATIONAL BLVD., STE. 206
CULVER CITY, CA. 90232
310–202–0246
310–202–0678 FAX

SEAL

RENEWAL DATE

David D. Kim #2831
2/4/98

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

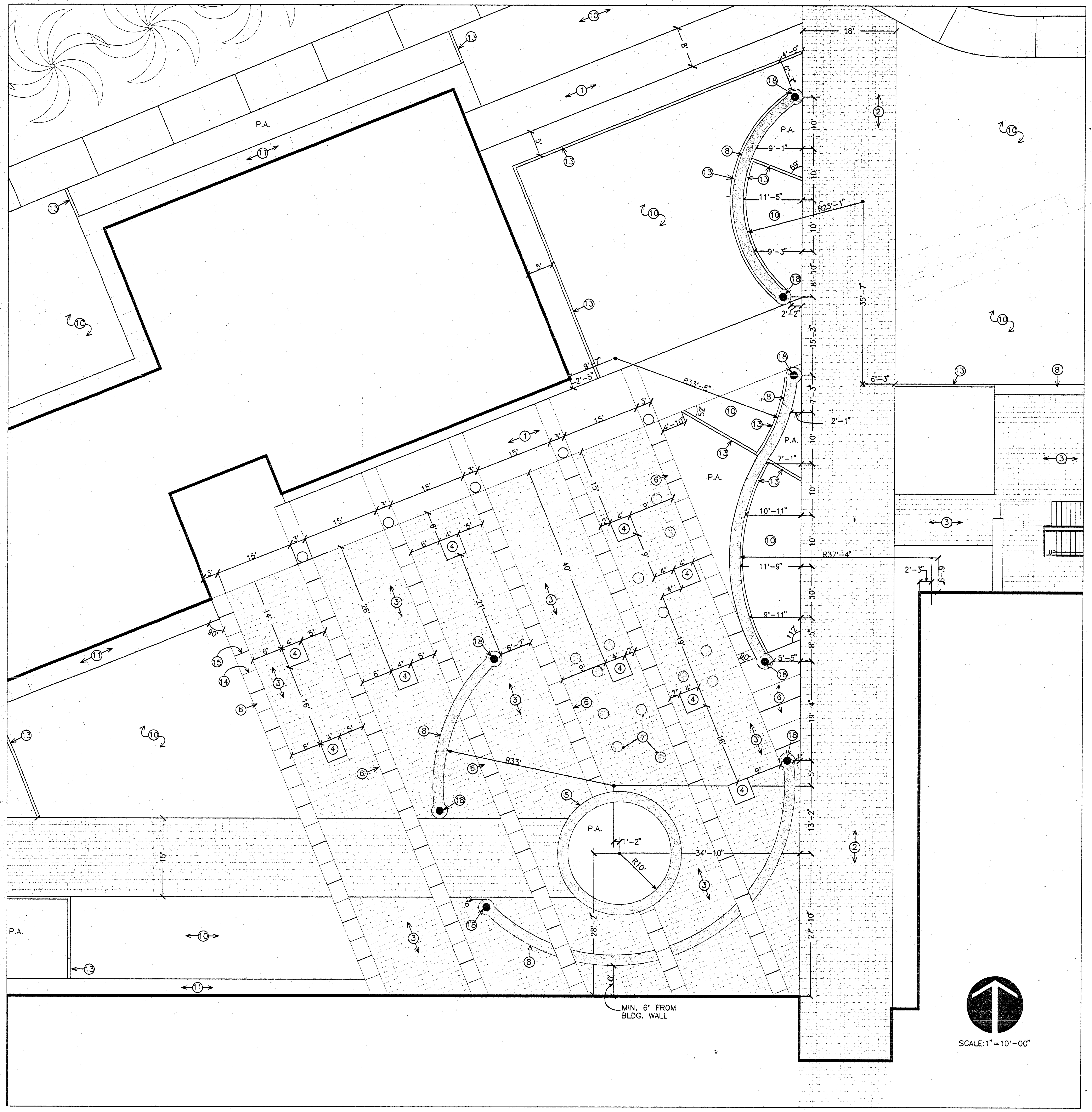
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

CONSTRUCTION PLAN

FILE:
SCALE 1"= 20'–00"
JOB NO.
DATE 01.23.98

SHEET NO.
L–1
OF 7 SHEETS



CONSTRUCTION NOTES

1. 4" CONCRETE WALK (1/L-3)
2. 4"X8" INTERLOCKING PAVING SEE DETAIL (2/L-3)
   FIELD– MULLER INTERLOCKING PAVERS–HOLLAND SUNBURST
   COLOR #1:RED, DARK BROWN, EDGE BAND COLOR CHARCOAL GRAY
3. 12"X12" PRECAST CONC. PAVERS (7/L-3)
   TERRA COTTA COLOR W/LIGHT SANDBLAST FINISH.
   (COLOR TO BE LM SCOFIELD)
4. TREEWELL W/4'X4' –DURA ART STONE TREE GRATE (11/L-7)
   MODEL# (4–TGS–1–S–2–SK)
5. 24" HIGH CAST IN PLACE CONC. PLANTER (7/L-3)
6. 3' WIDE CONC. BAND
   W/CHARCOAL GRAY COLOR & SMOOTH TROWEL FINISH (4/L-3)

● 7. PRECAST CONC. SEATING BOLLARD W/LIGHTS.SEE LIGHTING PLAN (10/L-3)
   EXACT LOCATIONS TO BE SPOTTED IN FIELD BY LAND.ARCH.

8. 2' WIDE PRECAST CONC. SEATWALL SEE DETAIL (9/L-3)
9. 12" WIDE CONCRETE MOWBAND–SMOOTH TROWEL FINISH
10. TURF
11. 4' WIDE CONC. WALK AROUND BLDG. TYP. (5/L-3)
12. INTERLOCKING PAVERS W/6" CONC. BAND SEE DETAIL (6/L-3)
13. 6" CONC. MOWBAND SEE DETAIL (3/L-3)
14. SCORE JOINT SEE DETAIL (1/L-3)
15. EXPANSION JOINT SEE DETAIL (1/L-3)
16. HANDICAP RAMP PER CITY STANDARDS

○ 17. ARCHITECTURAL COLUMNS

18. 10' HIGH POLE LIGHT ON 2' CONC. BASE SEE LIGHTING PLAN.

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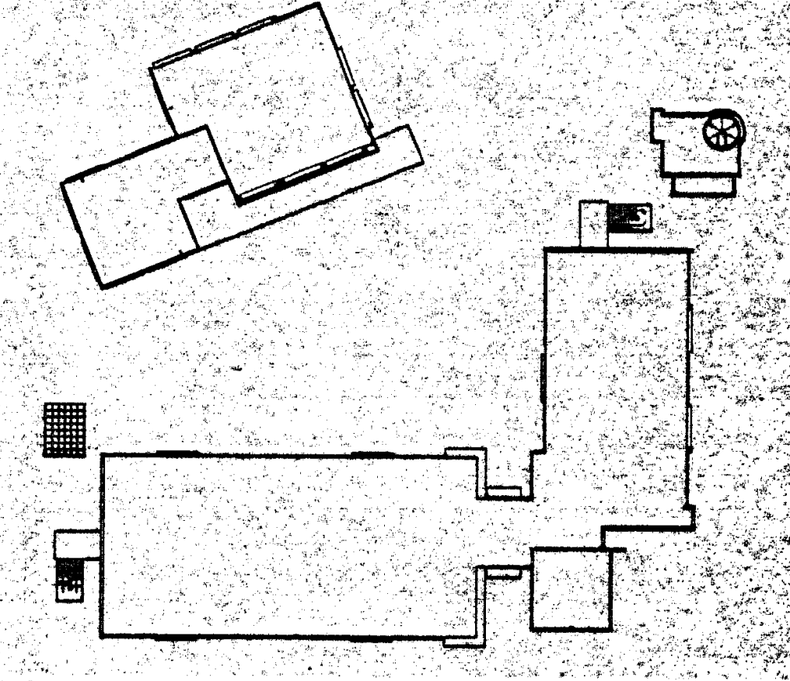
SEAL

NORMAN POINDEXTER
RENEWAL DATE 3-31-99

David D. Kim #2831
2/4/98

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

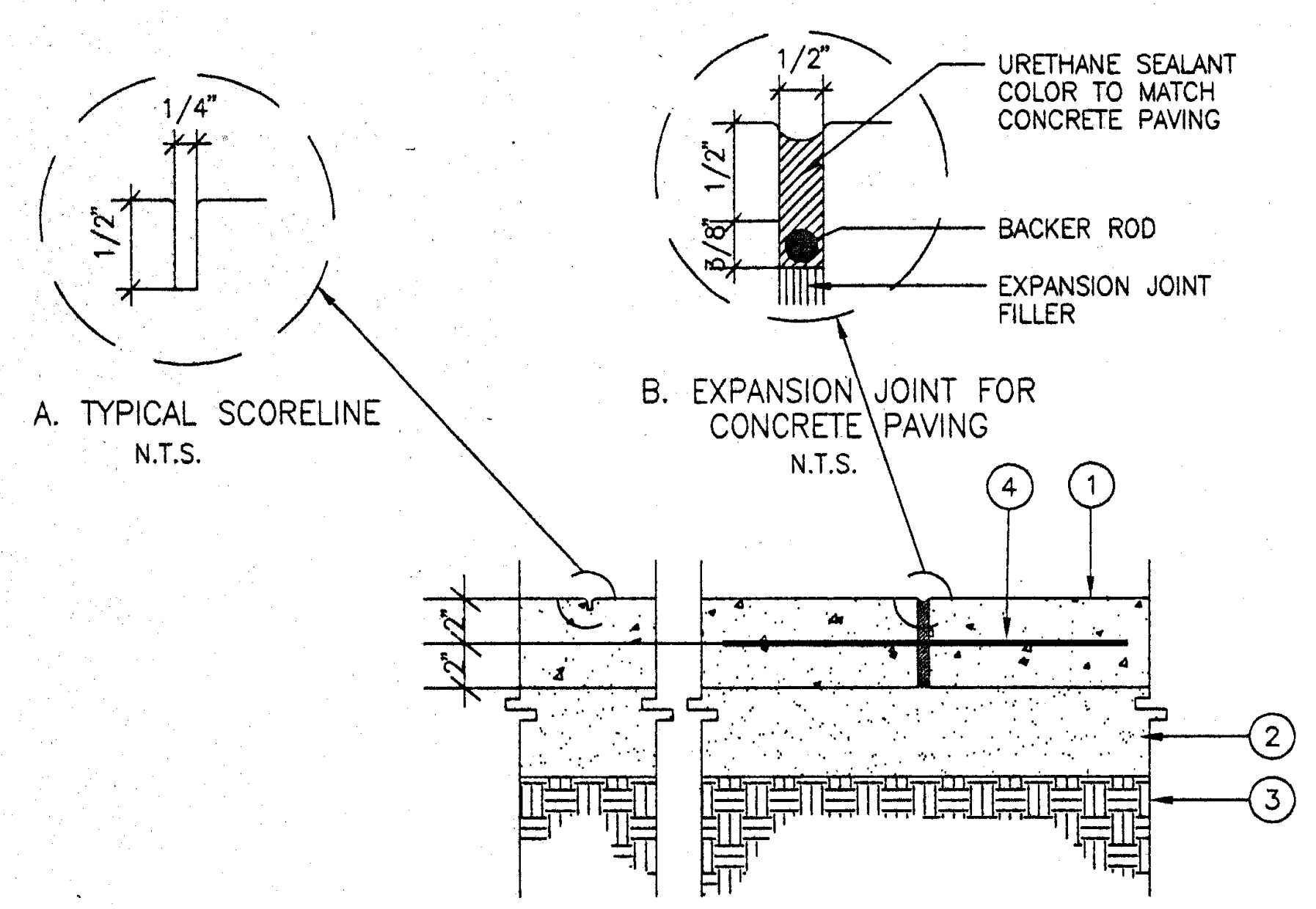
HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

CONSTRUCTION PLAN ENLARGEMENT

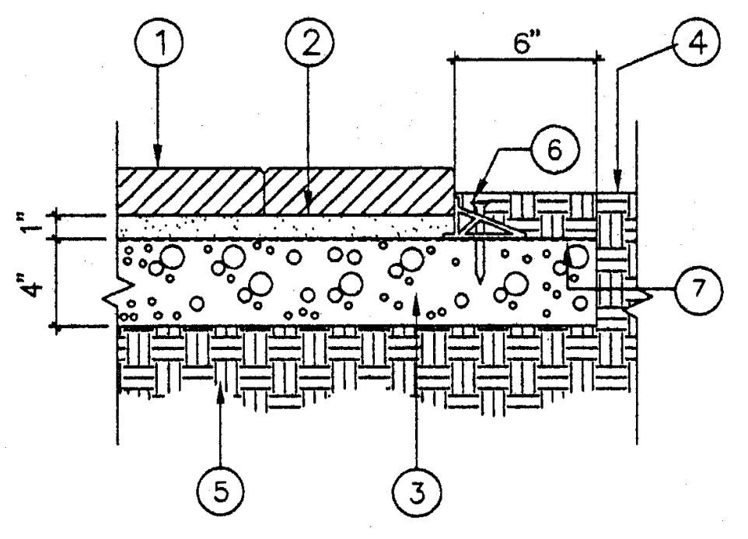
FILE:
SCALE: 1" = 10'-00"
JOB NO.
DATE: 01.23.98
SHEET NO. L-2
OF 7 SHEETS



LEGEND:

1. CONCRETE PAVING
   NATURAL GREY COLORED CONCRETE
   WITH MEDIUM BROOM FINISH.
2. 4" C.M.B.
3. COMPACTED SUBGRADE TO
   90% RELATIVE DENSITY
4. NO. 3 x 18" LONG DOWELS AT
   24" O.C. WITH BOND BREAKER

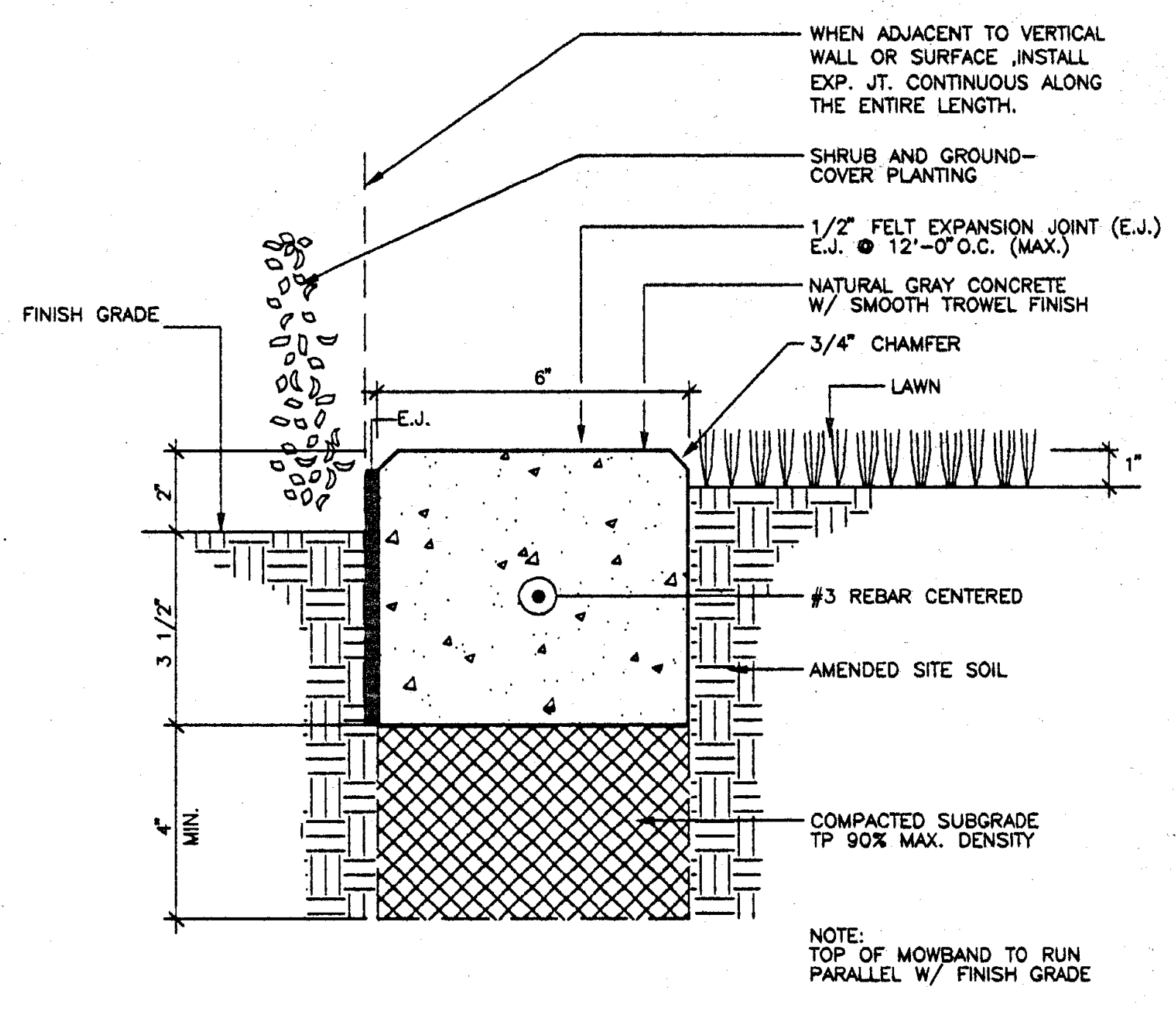
① CONCRETE PAVING JOINT DETAIL
NO SCALE



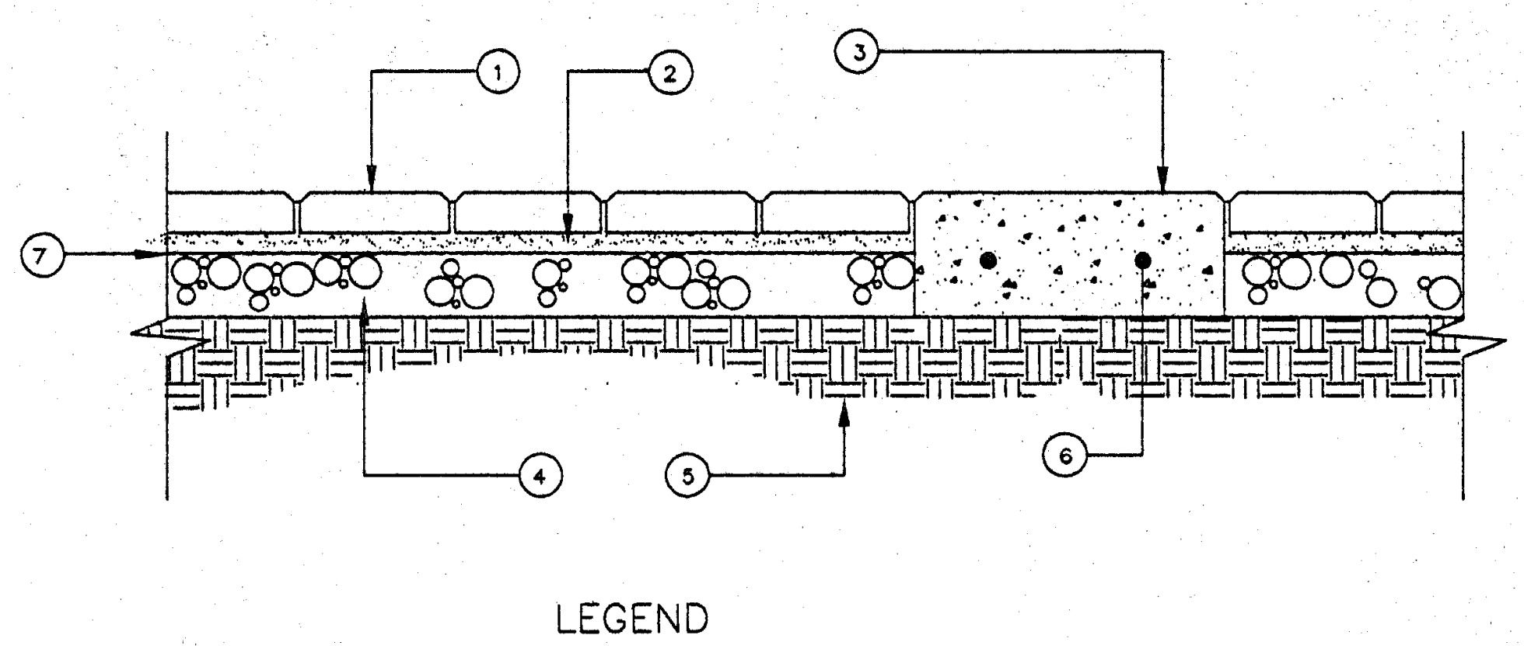
PLANTING AREA EDGE

LEGEND
1. 4" x 8" INTERLOCKING PAVER
2. 1" SAND BEDDING COURSE
3. AGGREGATE BASE
4. FINISH GRADE
5. COMPACTED SUBGRADE
6. PAVE EDGE BY PAVE TECH INC.
   OR EQUAL
7. WEED BARRIER FILTER FABRIC

② INTERLOCKING PAVING & EDGING DETAIL
NO SCALE

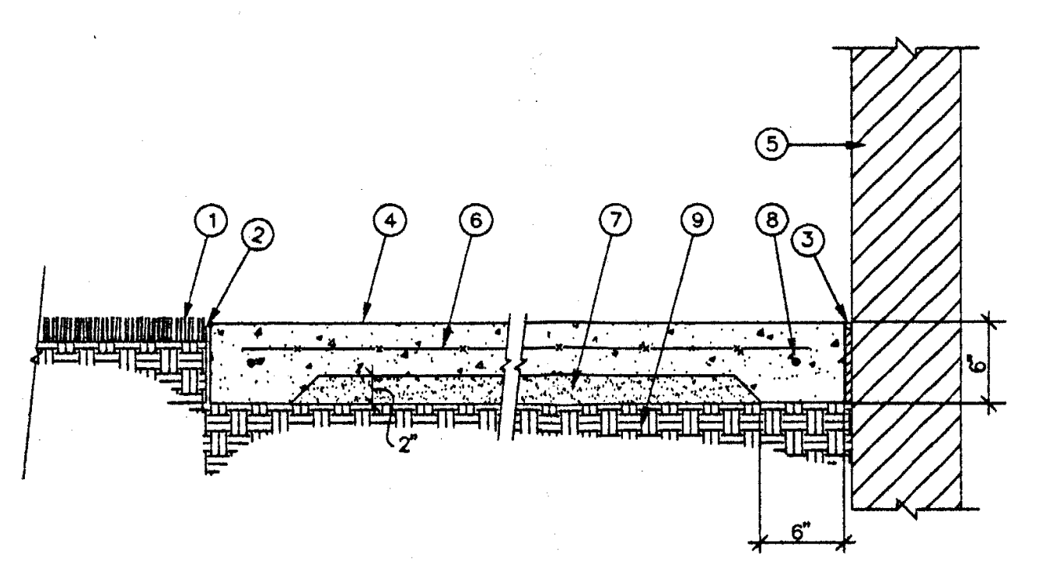


③ CONCRETE MOWBAND
NO SCALE



LEGEND
1. 4" X 8" INTERLOCKING PAVER
2. 1" SAND BEDDING COURSE.
3. 3' CONCRETE BANDING.
W/ CHARCOAL GREY COLOR
& SMOOTH TROWEL FINISH
4. AGGREGATE BASE.
5. COMPACTED SUBGRADE.
6. #3 REBAR @ 18" O.C.
7. WEED BARRIER FILTER FABRIC

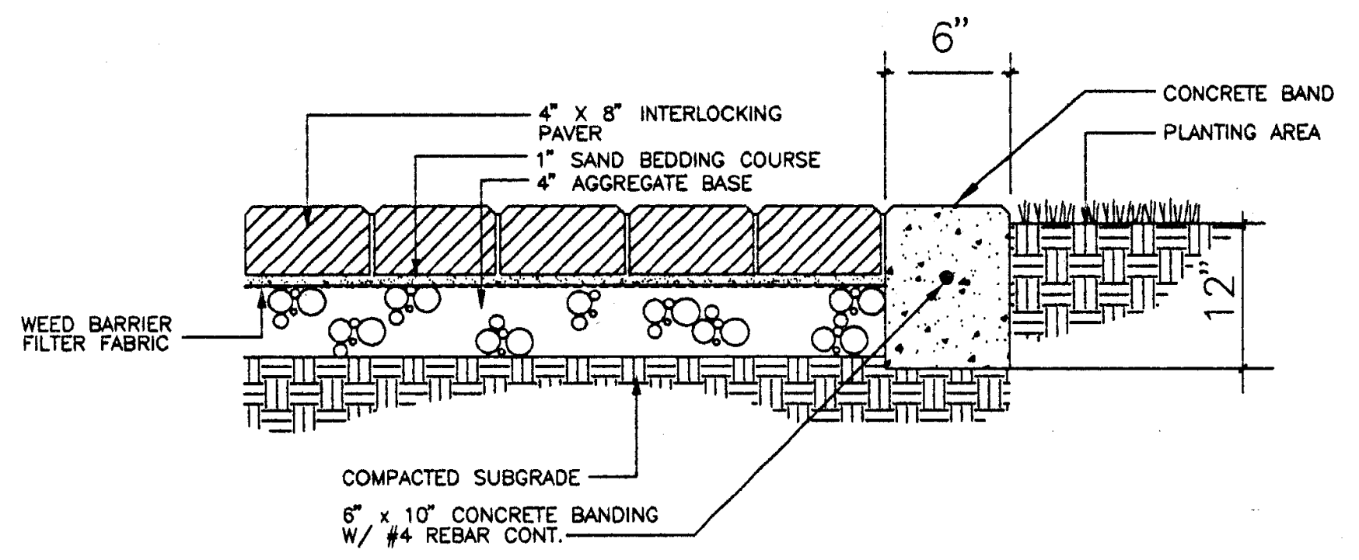
④ INTERLOCKING PAVER EDGE WITH 3' CONC. BAND
NO SCALE



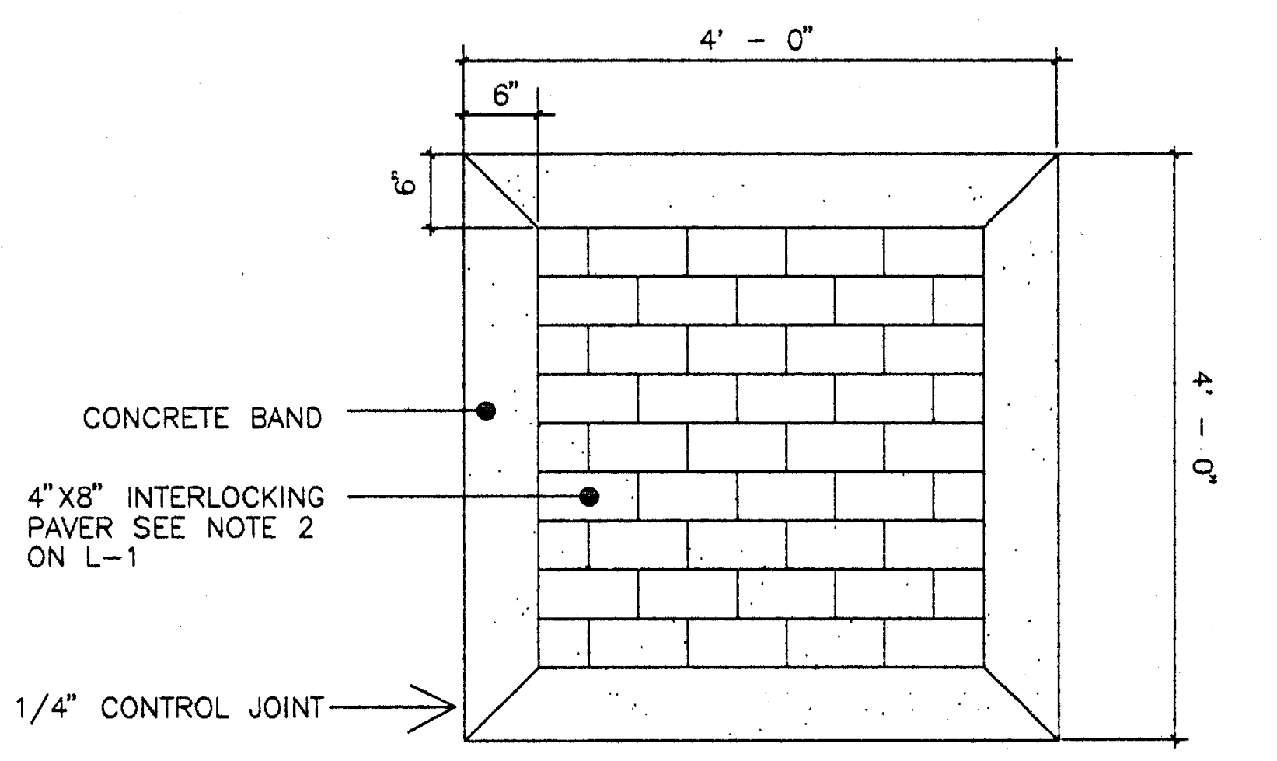
SECTION

LEGEND:
1. PLANTING AREA
2. EXPANSION JOINT CONTINUOUS
   WHERE WALK MEETS VERTICAL
   WALL
3. 1/2" EXPANSION JOINT W/
   BACKER ROD & SEALANT.
4. WALKWAY PAVING
   W/ NATURAL GREY COLOR
   & MED. BROOM FINISH CONC.
5. WALL BY ARCH.
6. 6x6-10/10 W.W.M.
7. 2" SAND BED
8. #3 REBAR CONTINUOUS.
9. COMPACTED SUBGRADE TO
   90% RELATIVE DENSITY.

⑤ CONCRETE WALK DETAIL
NO SCALE

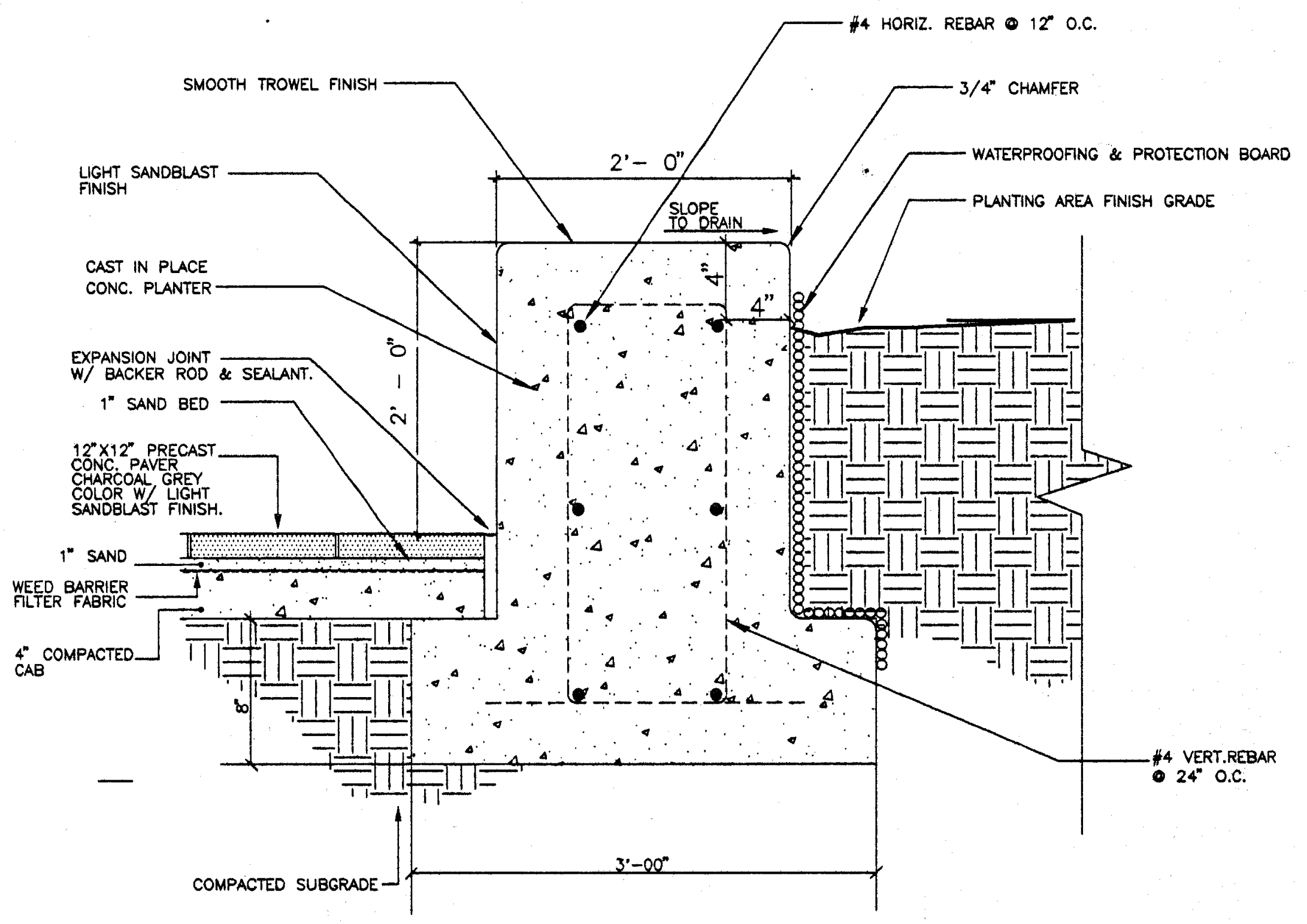


SECTION

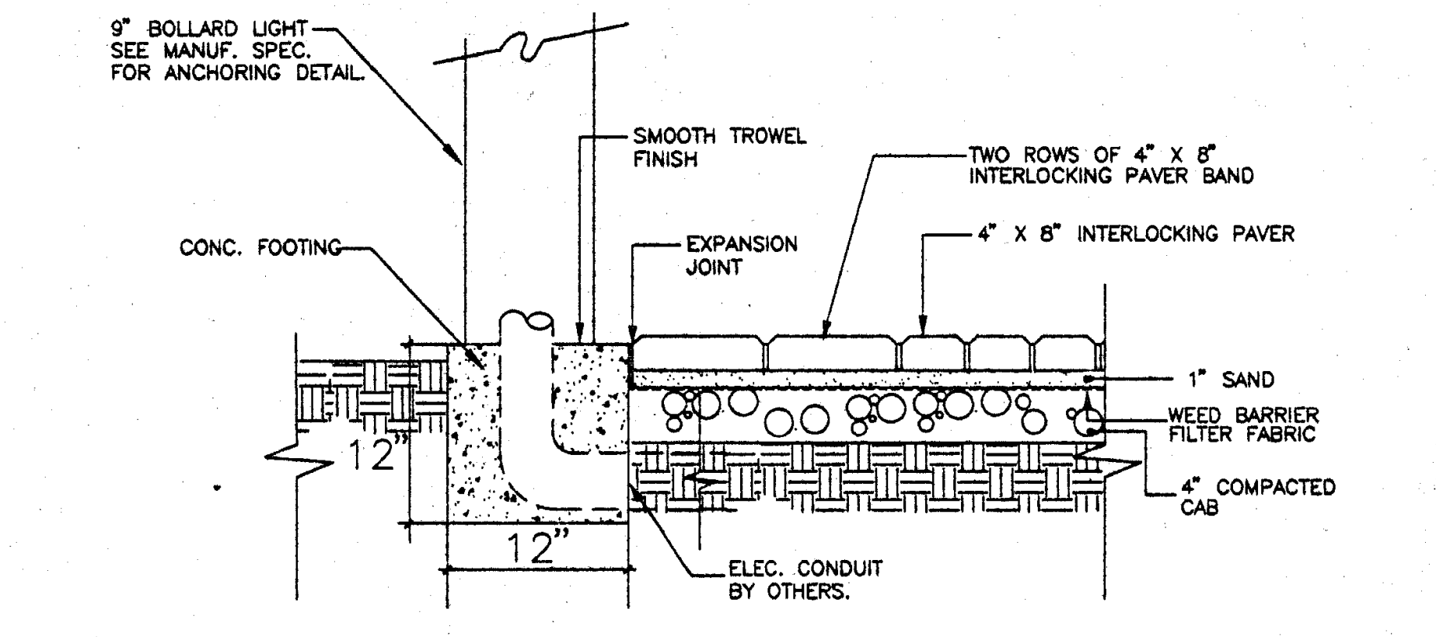


PLAN VIEW

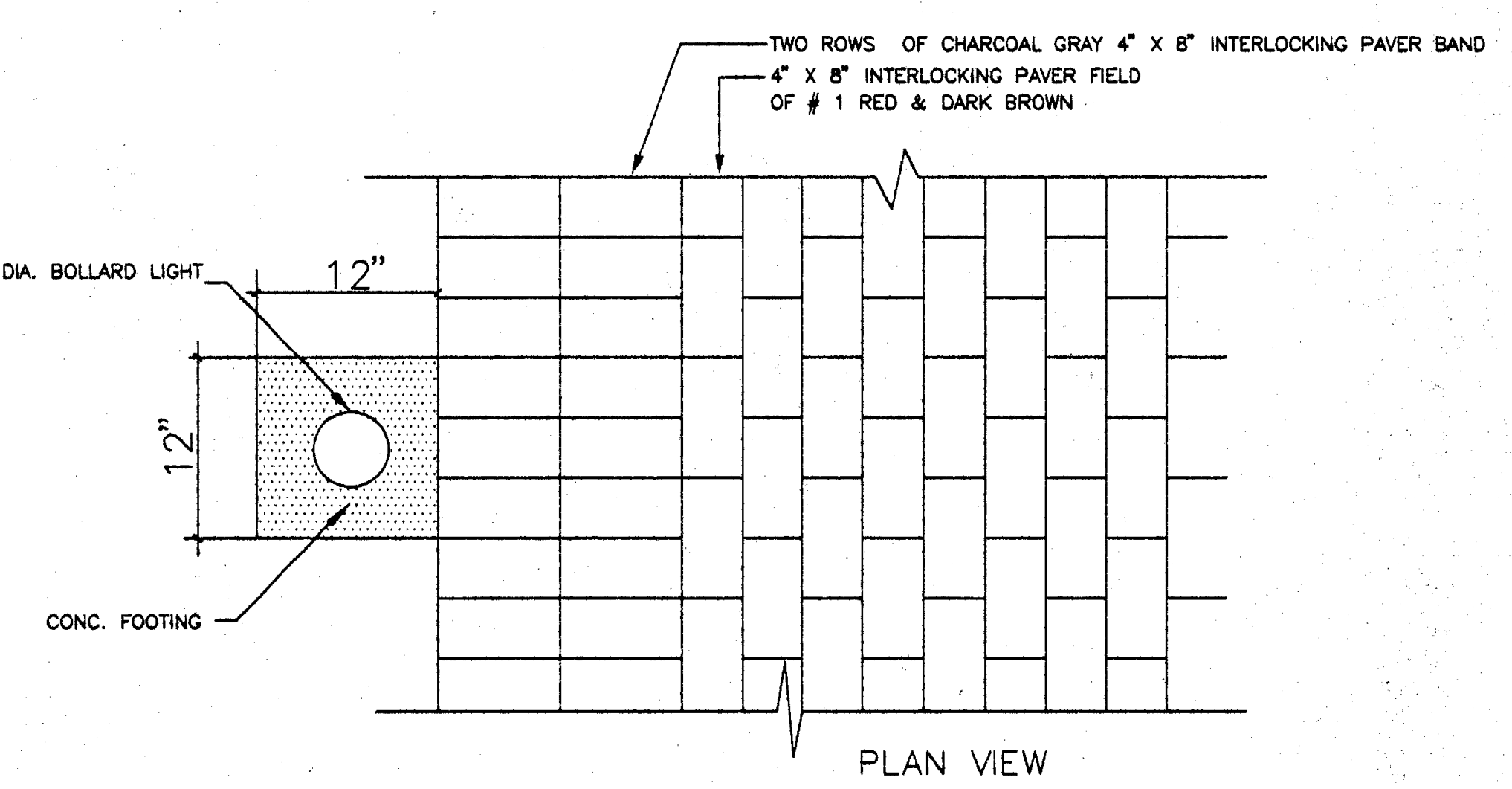
⑥ INTERLOCKING PAVING WITH 6" CONC. BAND
NO SCALE



⑦ PLANTER WALL / 12"X12" PRECAST PAVERS.
1" = 1' - 0"

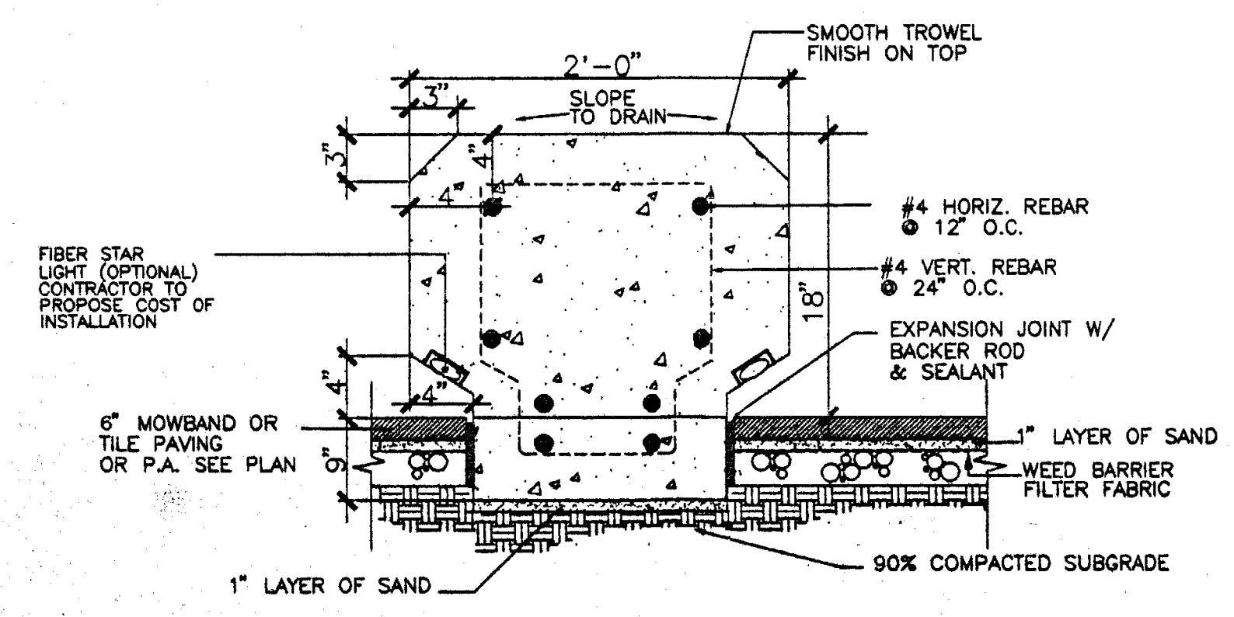


SECTION

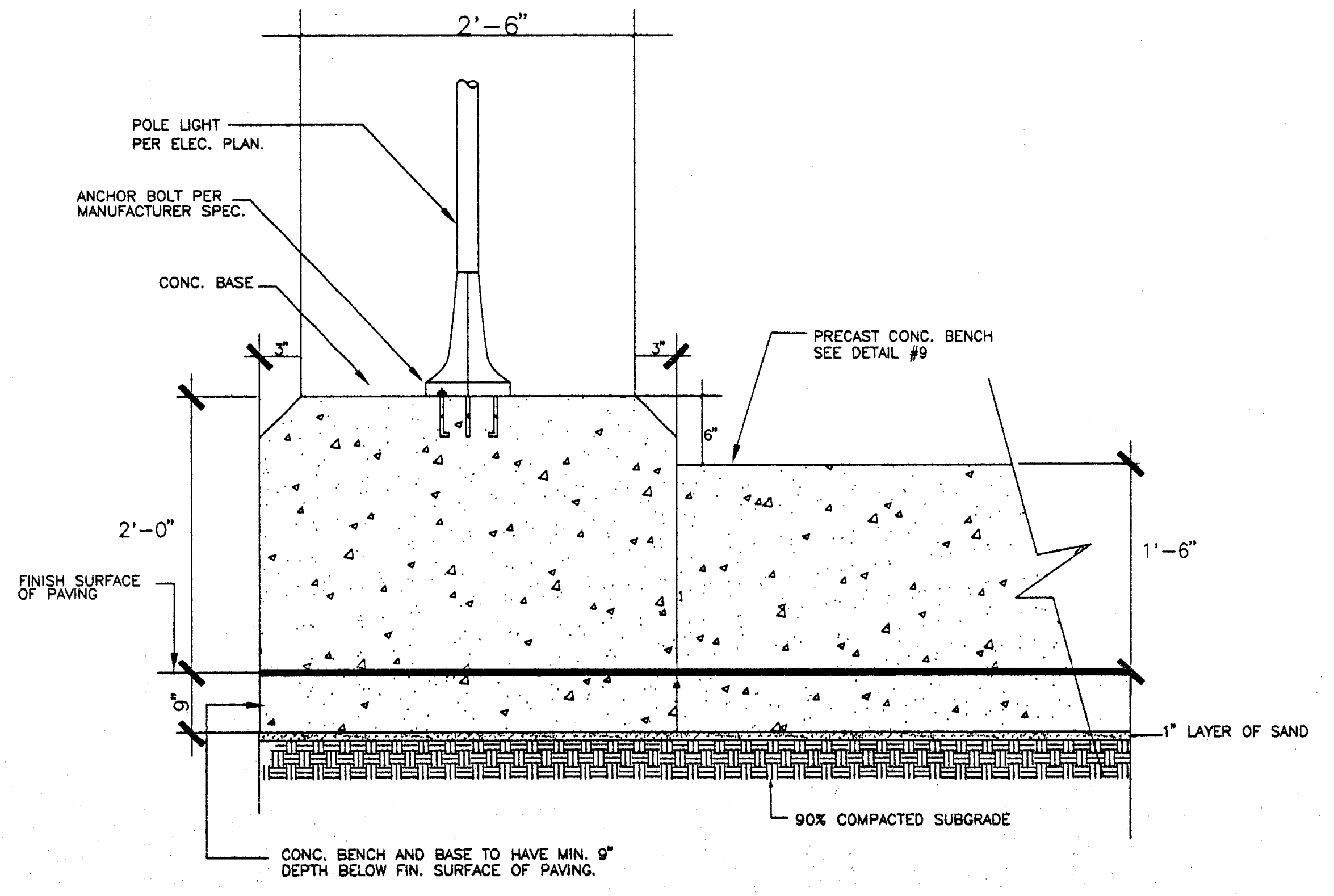


PLAN VIEW

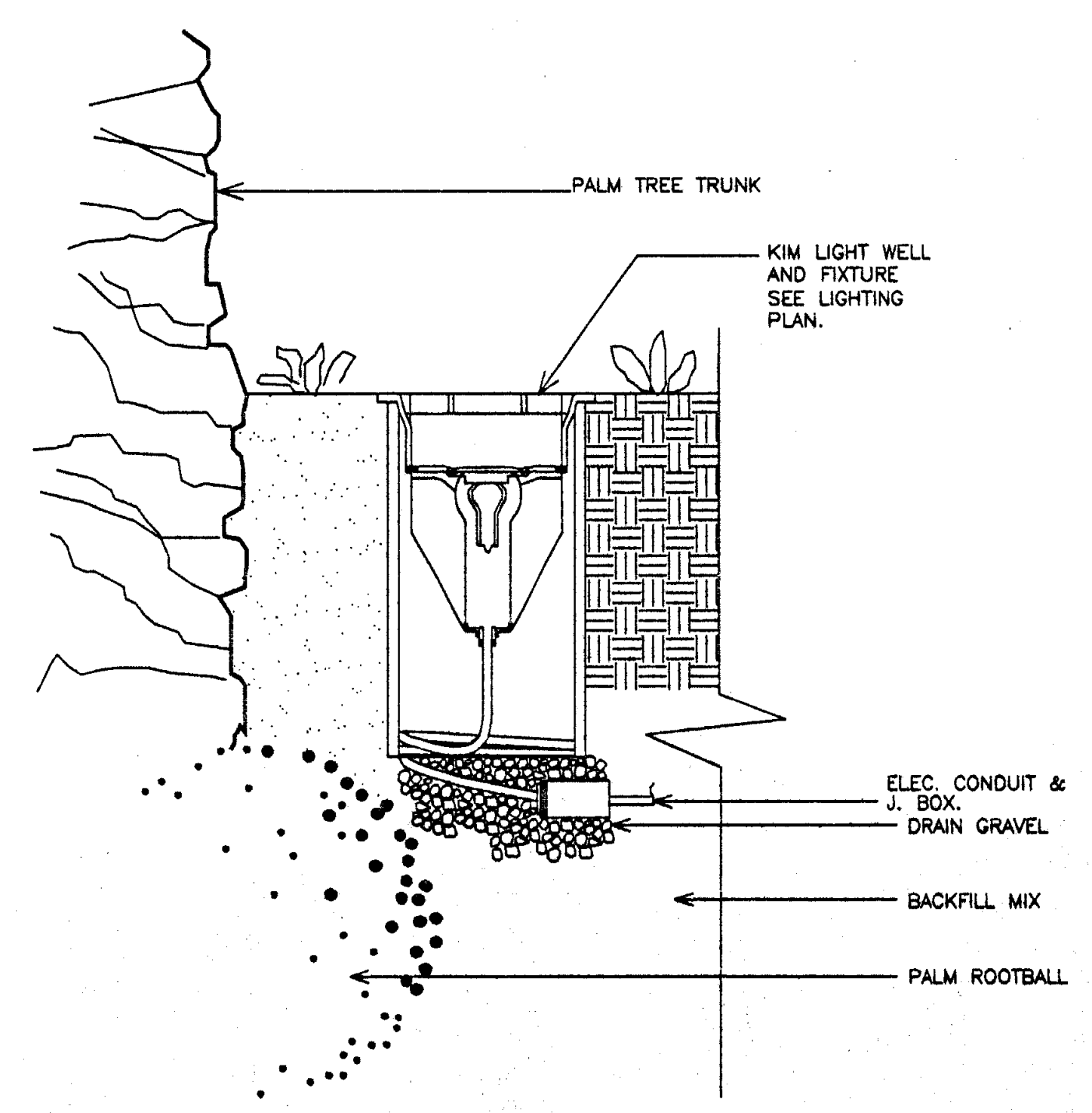
⑧ PAVING ENLARGEMENT
1"-1'-00"



⑨ PRECAST CONC. BENCH
1" = 1' - 0"



⑩ PRECAST CONC. BENCH & POLE LIGHT BASE
1" = 1' - 0"



⑪ PALM TREE LIGHT WELL
NO SCALE

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APPL 69120
AC FLS SS
DATE 3-20-98

PLOT DATE: 07.15.97

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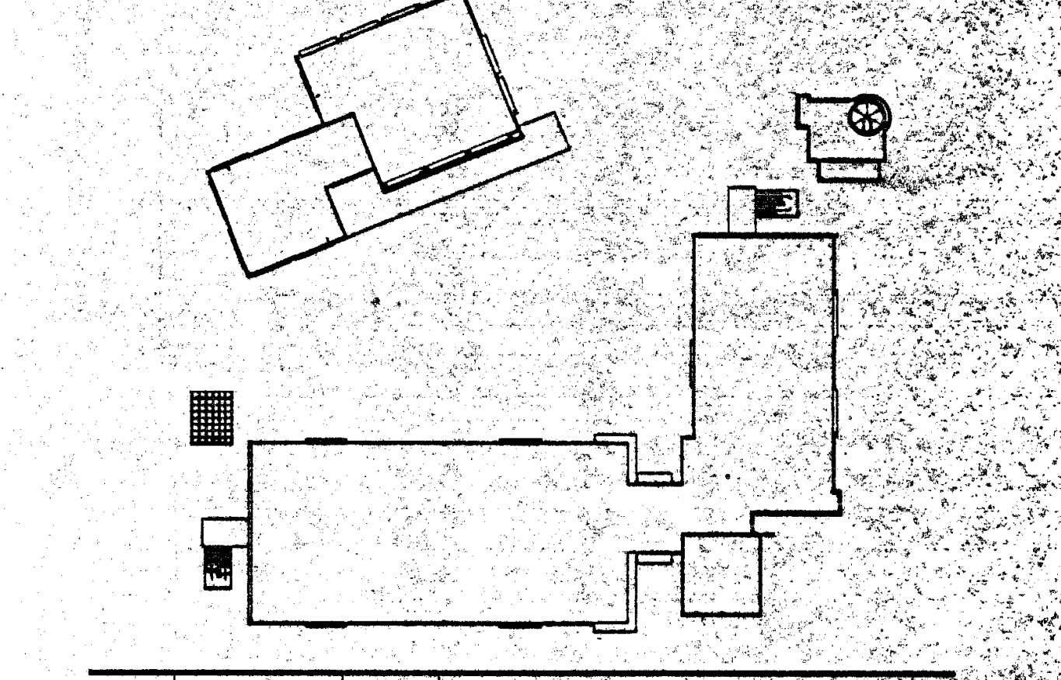
MORRIS R. POINDEXTER
C-13900
RENEWAL DATE

David D. Kim #2831
Signature
2/4/98
Date

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

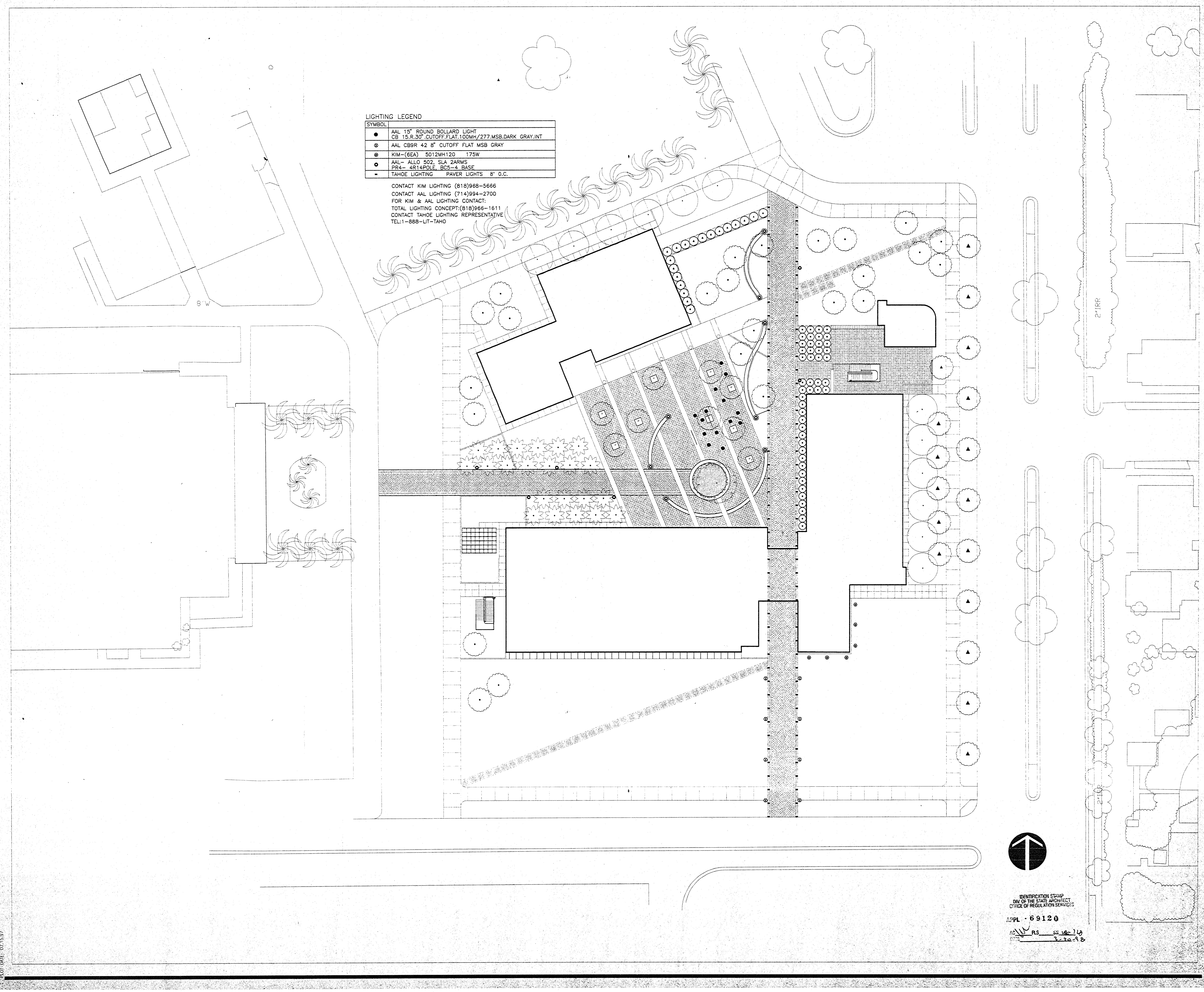
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

CONSTRUCTION DETAILS

FILE:
SCALE NO SCALE
JOB NO.
DATE 01.23.98

SHEET NO.
L-3
OF 7 SHEETS



LIGHTING LEGEND

SYMBOL	
●	AAL 15" ROUND BOLLARD LIGHT CB 15.R.30".CUTOFF.FLAT.100MH/277.MSB.DARK GRAY.INT
⊗	AAL CB9R 42 8" CUTOFF FLAT MSB GRAY
⊛	KIM-(6EA) 5012MH120 175W
○	AAL- ALLO 502, SLA 2ARMS PR4- 4R14POLE, BC5-4 BASE
▬	TAHOE LIGHTING PAVER LIGHTS 8' O.C.

CONTACT KIM LIGHTING (818)968-5666
CONTACT AAL LIGHTING (714)994-2700
FOR KIM & AAL LIGHTING CONTACT:
TOTAL LIGHTING CONCEPT:(818)966-1611
CONTACT TAHOE LIGHTING REPRESENTATIVE
TEL:1-888-LIT-TAHO

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OFFICE OF REGULATION SERVICES

APPL · 69120

AC ______ PLS ______ SS VRC 1 LB
DATE ______ 3-20-98

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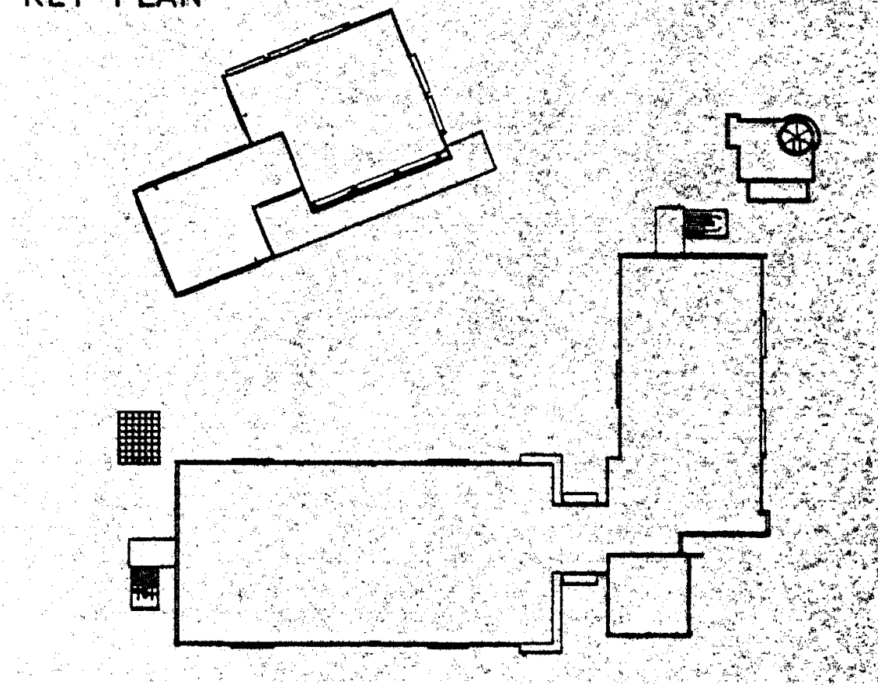
3-31-99
RENEWAL DATE

David D. Kim #2831
2/4/98

KEY PLAN



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HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
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1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

LIGHTING PLAN

FILE:
SCALE 1" = 20'-00"
JOB NO.
DATE 01.23.98

SHEET NO.
L-4
OF 7 SHEETS

LEGEND

SYMBOL	MANUF.	DESCRIPTION/MODEL No.	PSI	GPM	RAD	DEG	NOTE
▽	TORO	570Z-6P-8'Q-PC	30	.24	8'	90	
V	TORO	570Z-6P-8'H-PC	30	.50	8'	180	
▽	TORO	570Z-6P-10'Q-PC	30	.40	10'	90	IN TURF 4" POP UP/IN SHRUB 6" POP UP
V	TORO	570Z-6P-10'H-PC	30	.71	10'	180	IN TURF 4" POP UP/IN SHRUB 6" POP UP
⦶	TORO	570Z-6P-10'F-PC	30	1.49	10'	360	IN TURF 4" POP UP/IN SHRUB 6" POP UP
▽	TORO	570Z-6P-12'Q-PC	30	.50	12'	90	IN TURF 4" POP UP/IN SHRUB 6" POP UP
V	TORO	570Z-6P-12'H-PC	30	1.09	12'	180	IN TURF 4" POP UP/IN SHRUB 6" POP UP
⦶	TORO	570Z-6P-12'F-PC	30	2.19	12'	360	IN TURF 4" POP UP/IN SHRUB 6" POP UP
▽	TORO	570Z-6P-15'Q-PC	30	.85	15'	90	IN TURF 4" POP UP/IN SHRUB 6" POP UP
V	TORO	570Z-6P-15'H-PC	30	1.65	15'	180	IN TURF 4" POP UP/IN SHRUB 6" POP UP
▽	TORO	570Z-6P-15'TQ-PC	30	2.60	15'	270	IN TURF 4" POP UP/IN SHRUB 6" POP UP
○	TORO	570Z-6P-15'F-PC	30	3.60	15'	360	
▽	TORO	700-4P-35'Q-PC	30	.89	35'	90	
V	TORO	700-4P-35'Q-PC	30	.89	35'	180	
▽	TORO	700-4P-35'Q-PC	30	.89	35'	270	
⦶	TORO	700-4P-35'Q-PC	30	.89	35'	360	
▽	TORO	700-4P-35'Q-PC	35	1.55	39'	90	
V	TORO	700-4P-35'Q-PC	35	1.55	39'	180	
⊙	TORO	570Z-6P-SB-2-90PC2	30	.21	1.5'	2/60	
⊖	TORO	570Z-6P-SB-4-180PC2	30	.46	2.5'	4/60	
▲	TORO	570Z-FB-25-PC	40	.25			
◒	TORO	470 SERIES Q.C. VALVE 3/4" SIZE. PROVIDE COUPLER KEYS.					
◕	TORO	552 SERIES PLASTIC REMOTE CONTROL VALVE IN PLASTIC BOX.					
◧	FEBCO	825Y REDUCED PRESSURE BACKFLOW PREVENTER. (1" IN SIZE)					
☒	NIBCO	T 113 GATE VALVE LINE SIZE					
C	TORO	GREENKEEPER 22 STATION CONTROLER-CORD. LOCATION W/OWNER					
——	CLASS 200 PVC LATERAL LINE						
——	SCHED. 40 PVC LATERAL SLEEVE						
- - -	SCHED. 40 PVC MAIN LINE						
⬡	VALVE NUMBER VALVE SIZE GPM						

IRRIGATION NOTES

◧ 1 1/2" REDUCED PRESSURE BACKFLOW PREVENTER. SEE DETAIL 5/L-6
EXACT LOCATION TO BE DETERMINED IN FIELD.
INSTALL PER LOCAL CODE.

☒ 1 1/2" P.O.C. FOR IRRIGATION SYSTEM TO BE PROVIDED BY OTHERS. SEE DETAIL 1/L-6
LANDSCAPE CONTRACTOR TO INSTALL LINE SIZE GATE VALVE PER DETAIL.

C 24 STATION AUTOMATIC CONTROLLER. INDEPENDENT 115V. 60 CYCLE, 2AMP CIRCUIT TO BE PROVIDED AT THIS LOCATION BY OTHERS. EXACT LOCATION TO BE DETERMINED IN FIELD. SEE DETAIL 4/L-6

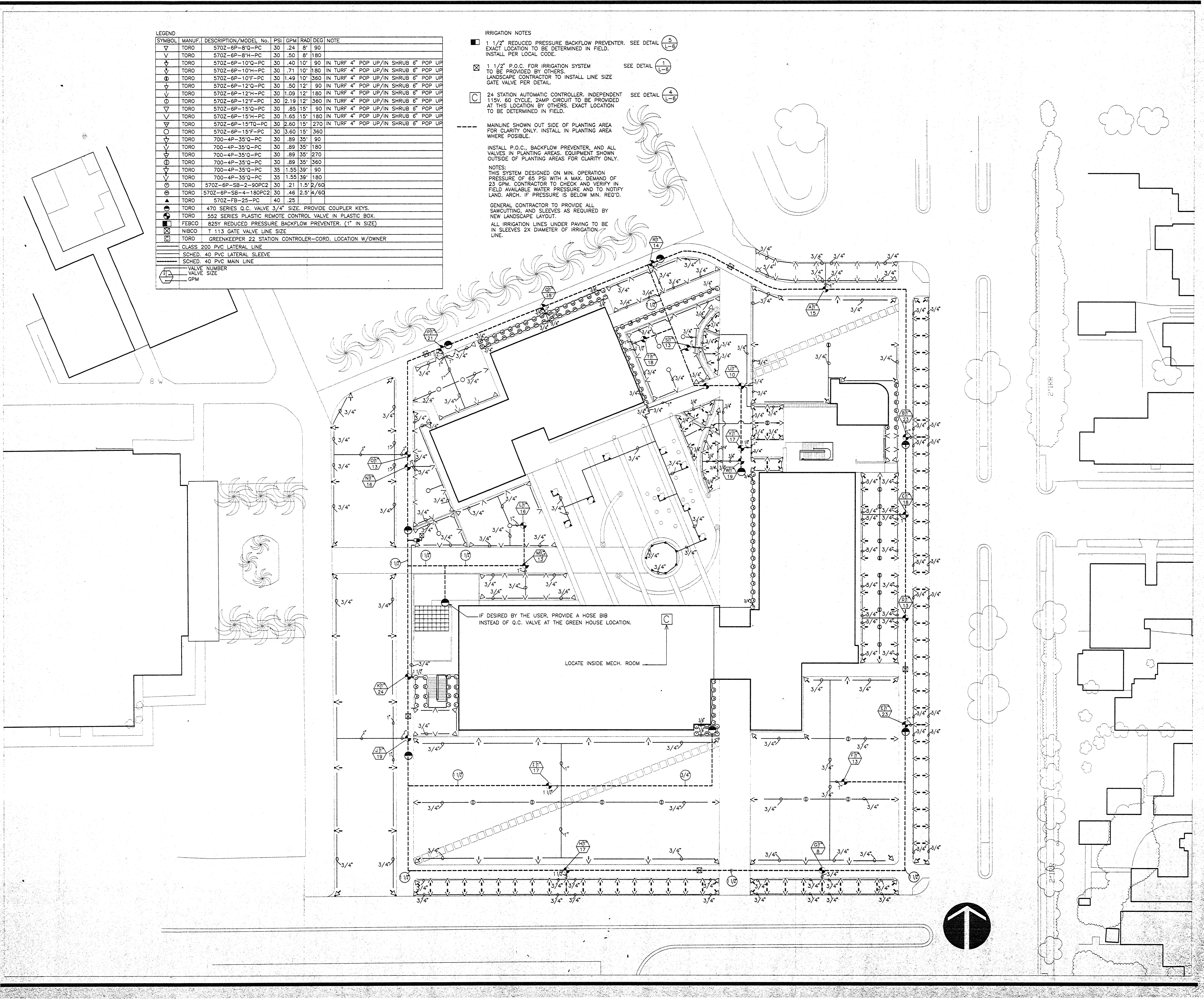
- - - - MAINLINE SHOWN OUT SIDE OF PLANTING AREA FOR CLARITY ONLY. INSTALL IN PLANTING AREA WHERE POSIBLE.

INSTALL P.O.C., BACKFLOW PREVENTER, AND ALL VALVES IN PLANTING AREAS. EQUIPMENT SHOWN OUTSIDE OF PLANTING AREAS FOR CLARITY ONLY.

NOTES:
THIS SYSTEM DESIGNED ON MIN. OPERATION PRESSURE OF 65 PSI WITH A MAX. DEMAND OF 23 GPM. CONTRACTOR TO CHECK AND VERIFY IN FIELD AVAILABLE WATER PRESSURE AND TO NOTIFY LAND. ARCH. IF PRESSURE IS BELOW MIN. REQ'D.

GENERAL CONTRACTOR TO PROVIDE ALL SAWCUTTING, AND SLEEVES AS REQUIRED BY NEW LANDSCAPE LAYOUT.

ALL IRRIGATION LINES UNDER PAVING TO BE IN SLEEVES 2X DIAMETER OF IRRIGATION LINE.



IF DESIRED BY THE USER, PROVIDE A HOSE BIB INSTEAD OF Q.C. VALVE AT THE GREEN HOUSE LOCATION.

LOCATE INSIDE MECH. ROOM

LOT DATE: 07.15.97

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C-13900
3-31-99
RENEWAL DATE

David D. Kim #2831
Signature
2/4/98
Date

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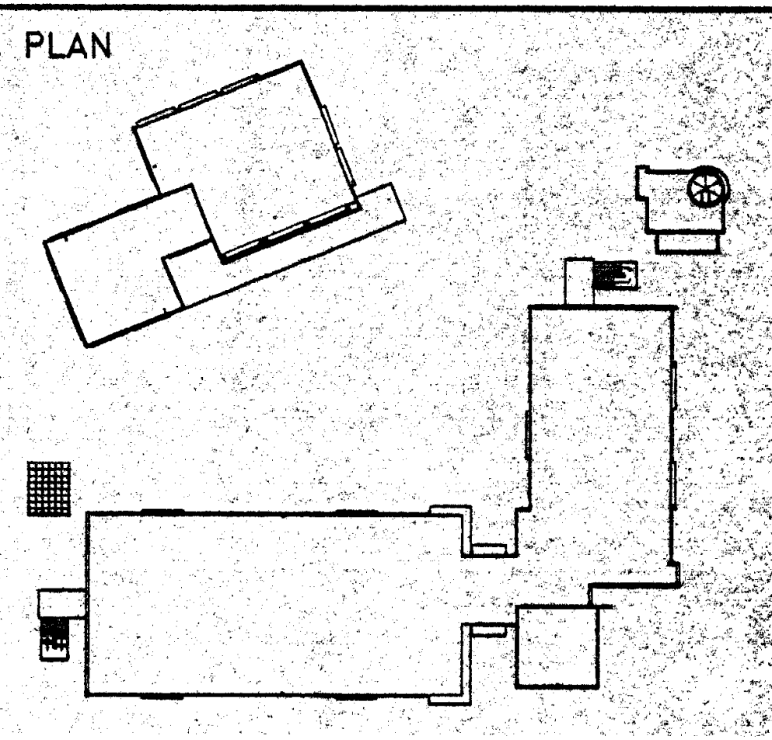
APPL · 69120
AC ______ FLS ______ SS ______
DATE 3-20-98

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

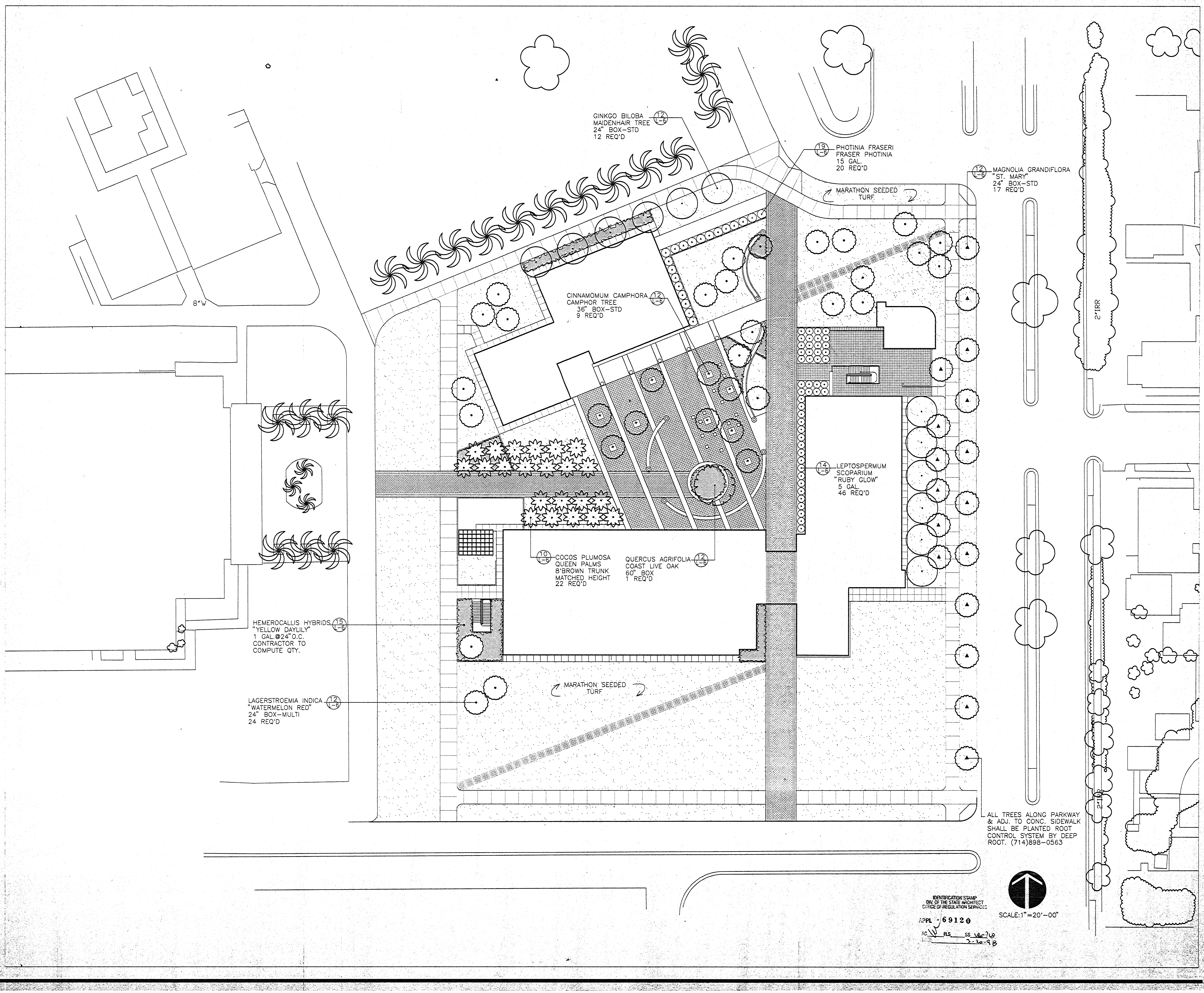
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

IRRIGATION PLAN

FILE:
SCALE 1" = 20'-00"
JOB NO.
DATE 01.23.98

SHEET NO.
L-5
OF 7 SHEETS



ALL TREES ALONG PARKWAY
& ADJ. TO CONC. SIDEWALK
SHALL BE PLANTED ROOT
CONTROL SYSTEM BY DEEP
ROOT. (714)898-0563

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APPL ·69120
AC W FLS ___ SS VIC 7/8
DATE 3-20-98

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C-13900
RENEWAL DATE
David D. Kim #2832
2/4/98

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
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COMPTON, CALIFORNIA

SHEET TITLE
PLANTING PLAN

FILE:
SCALE 1"= 20'-00"
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DATE 01.23.98
SHEET NO.
L-6
OF 7 SHEETS

LANDSCAPE PLANTING SPECIFICATIONS

1. GENERAL

A. The Landscape Contractor shall furnish all labor, equipment, materials and services for the complete installation as described by the landscape drawings and in these specifications.

B. Any deviation from the plan or specifications is to have prior written approval by the Owner or his representative.

C. All materials and workmanship shall be of highest quality.

D. Until all working is complete and accepted by Owner, the Landscape Contractor shall assume all risks and bear all losses to his materials and equipment.

E. During the course of the contract (including maintenance period), the Landscape Contractor shall provide and maintain public liability and property damage insurance. The minimum amount of public liability insurance shall be $500,000.00 for each person injured. The minimum amount of property damage insurance be $100,000.00 for any single property damage claim.

F. The Landscape Contractor shall repair work damaged by him or make payment for such repair. Should the Landscape Contractor have his work damaged by another Contractor, he is to make arrangements with the other Contractor for that Contractor's repair or that Contractor's payment for the repair.

2. WEED REMOVAL

A. The Landscape Contractor is to remove all weeds and/or grasses (including the roots) existing in the landscape areas.

B. All landscape areas are to receive the pre-emergent herbicide Surflan 75W per manufacturer's instructions.

3. SOIL CONDITIONING AND GRADING

A. Rough grading other than that noted on the landscape drawings is by the General Contractor. Finish grading is the responsibility of the Landscape Contractor. Finish grading will consist of raking all areas to a smooth grade, loosening the soil to a depth of 6" and removing all rocks or clods of 2" diameter of larger. Removal of minor amounts of construction waste is included. Finish grade is to be 2" below top of adjacent curb and sidewalk.

B. All landscape areas are to receive an even application of 6 cubic yards of nitrogen mineralized, stabilized wood sawdust, 30 pounds of 6N-20P-20K fertilizer, 10 lbs. of soil sulfur for each 1,000 square feet. The above amendments are to be incorporated uniformly into the top 6" of soil.

C. All rock of unbroken soil clods over 1" in diameter brought to the surface are to be removed from the site.

D. Lawn areas to be planted with sod are to receive an additional 5 pounds of commercial fertilizer per every 1,000 square feet of lawn area to a depth of 2" prior to final surface grading and it shall be watered thoroughly.

4. PLANTING

A. All plants are to have a planting pit 1-1/2 times the diameter of the rootball and equal to its depth. The plant pit is to be backfilled (after positioning of plant) with a mixture of 2/3 site soil and 1/3 nitrolized-mineralized wood sawdust. Provide a shallow watering basin for each plant.

B. Groundcovers are to be planted so that after setting, the crown of the plant is even with finish grade, roots fully covered with soil and firmed.

C. Watering of plants is to take place immediately after planting.

D. Mulch all shrub and groundcover areas with a 1" layer of 1/2" to 3/4" Redwood bark.

E. Guying and staking of trees is to be per details.

F. Sod is to be freshly cut and placed in sections not smaller than one square foot. Stagger the joints between rolls. Sift soil (use soil waste that has fallen off sod) into all joints to fill any voids created. Roll sod with lightly weighted roller after completion of all sodding operations.

5. CLEAN UP

At the completion of all planting operations, the premises are to be left neat and clean. All surplus materials, nursery tags and waste are to be removed from the site.

6. MAINTENANCE

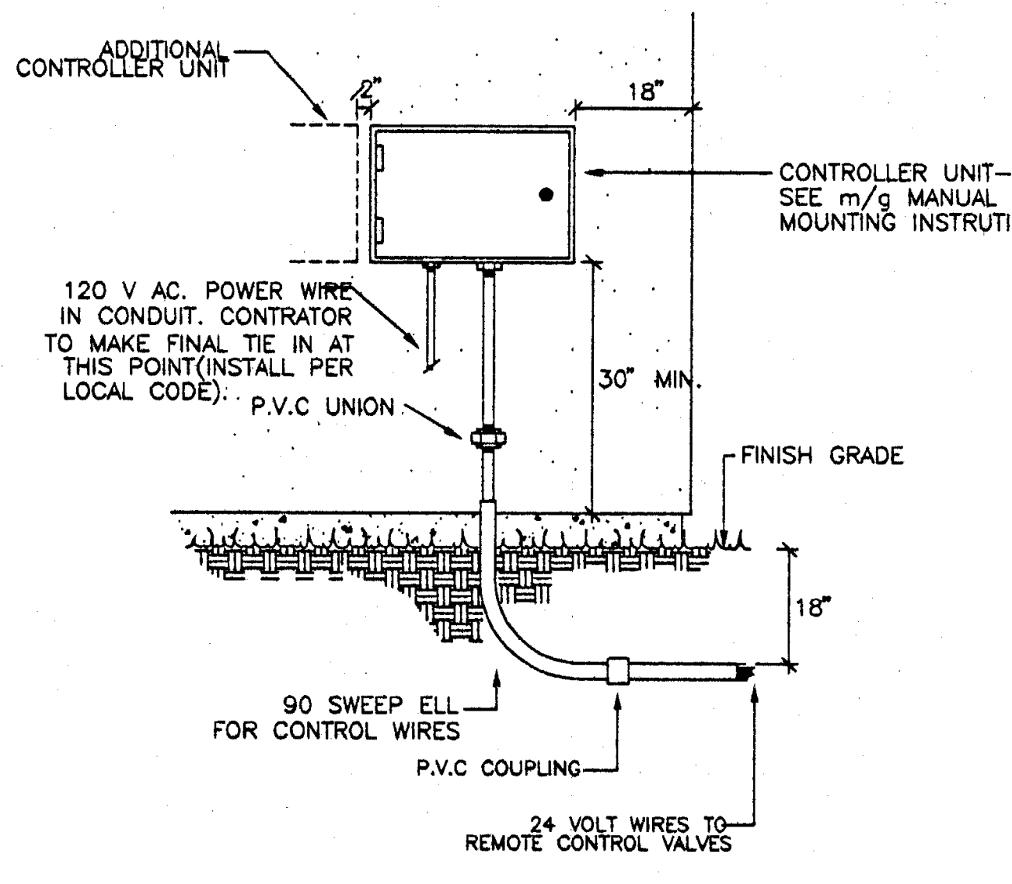
A. The Landscape Contractor is to maintain all landscape areas for a period of thirty (30) calendar days from the date of completion, established by the Owner or his representative. All areas are to be kept well watered, free of weeds, grasses and trash during this maintenance period.

B. An application of fertilizer (16% nitrogen, 6% phosphoric acid, 8% potash) is to be made just prior to the completion of the maintenance period, or at 30 day intervals if maintenance period is greater than 30 days.

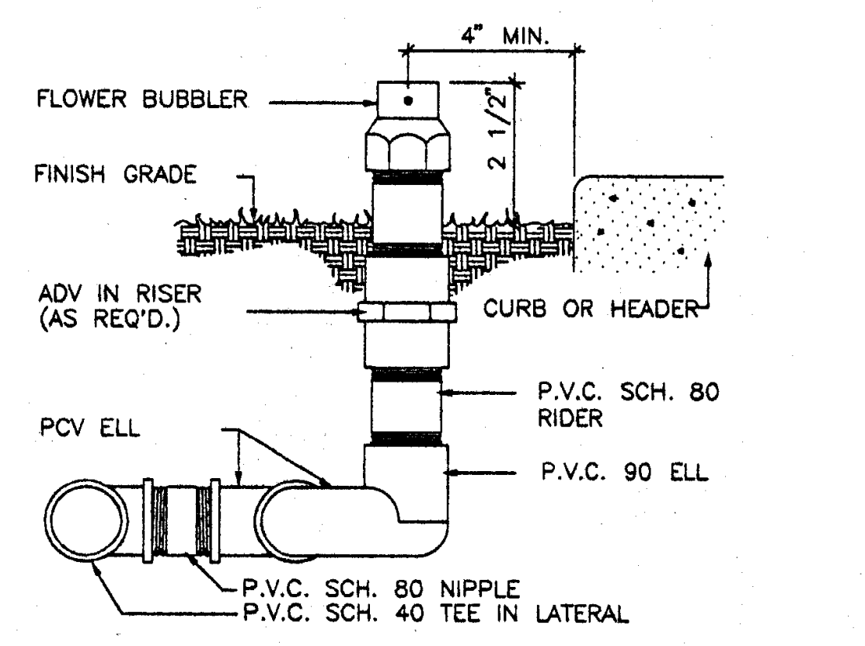
C. The sprinkler system is to be checked for coverage at each watering. Mulfunctions, such as dirty heads, adjustment of heads, etc., are to be corrected on the spot. More serious defects are to be reported immediately to the Owner for correction by the Sprinkler Contractor, or corrected immediately by the Landscape Contractor if contract included skrinkler installation.

7. GUARANTEE

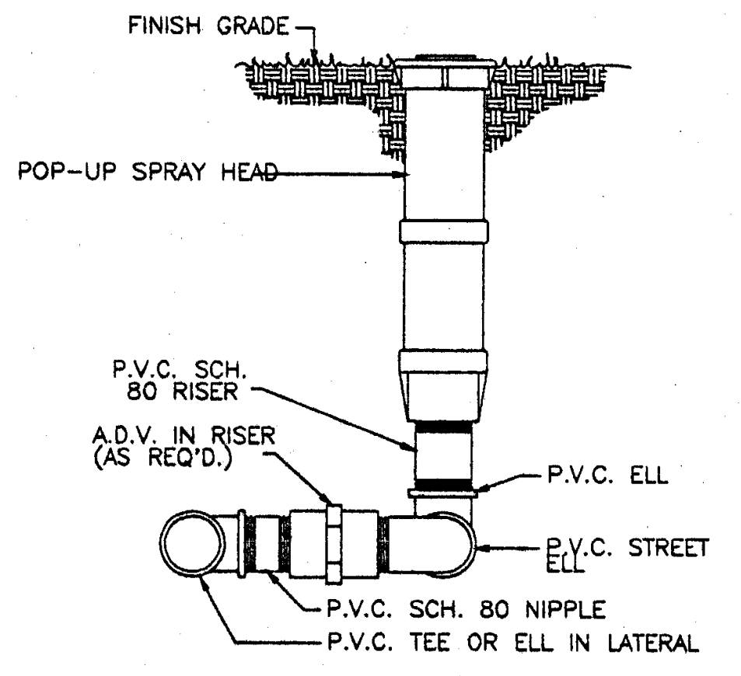
All trees, shrubs and plant material (other than flatted material) less than 15 gallon size shall be guaranteed for a period of 90 days. All material larger than 15 gallon size shall be guaranteed for a period of 1 year.



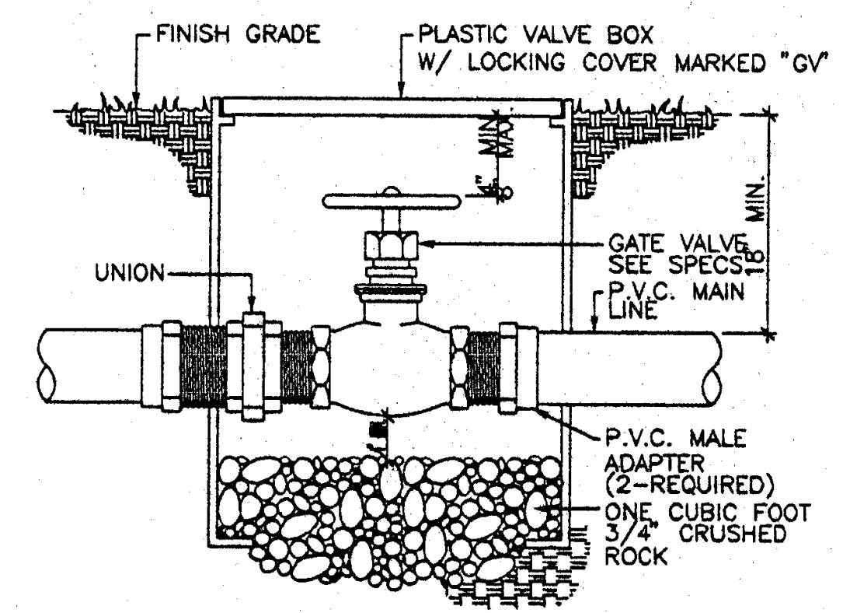
④ AUTOMATIC CONTROLLER(WALL-MOUNT)
NO SCALE



③ BUBBLER ON RISER
NO SCALE

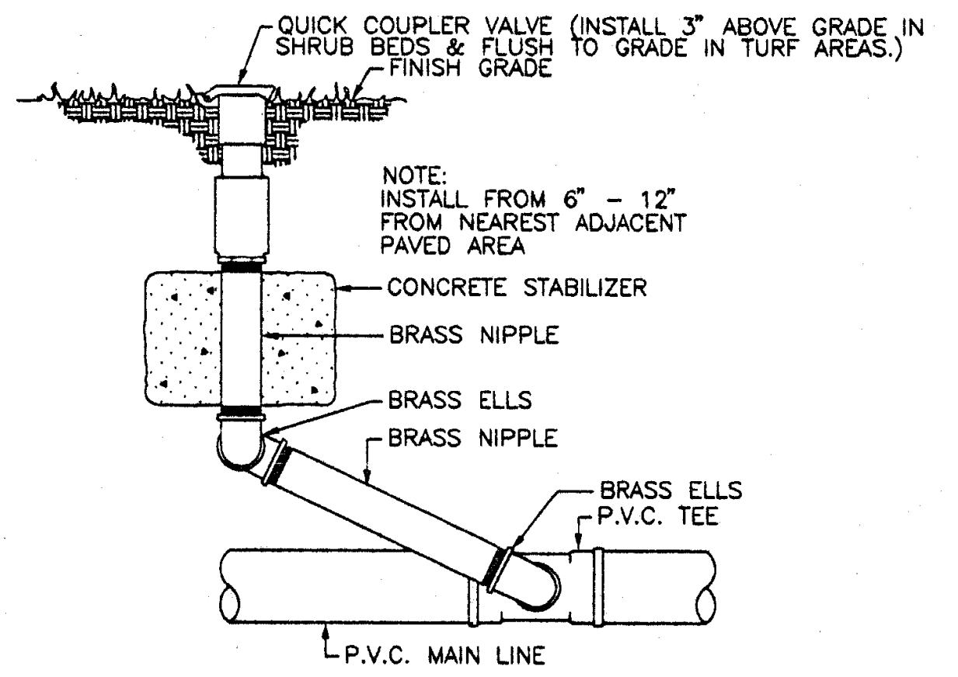


② POP-UP SPRAYER (TRIPLE SWING JOINT)
NO SCALE

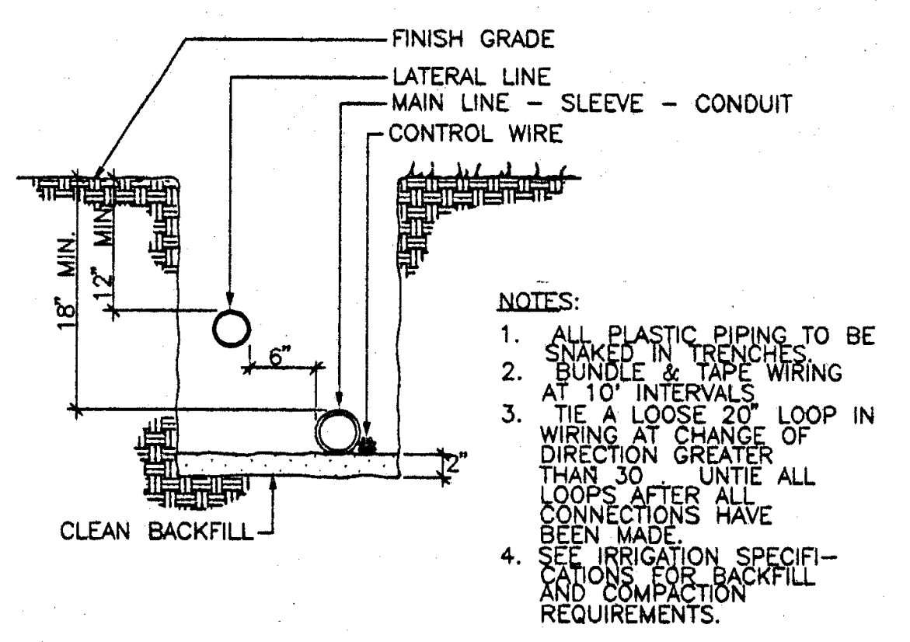


NOTE:
INSTALL VALVE BOX SO THAT TOP OF COVER IS 3" ABOVE FINISH GRADE IN GROUND COVER AREAS AND AT GRADE IN TURF AREAS.

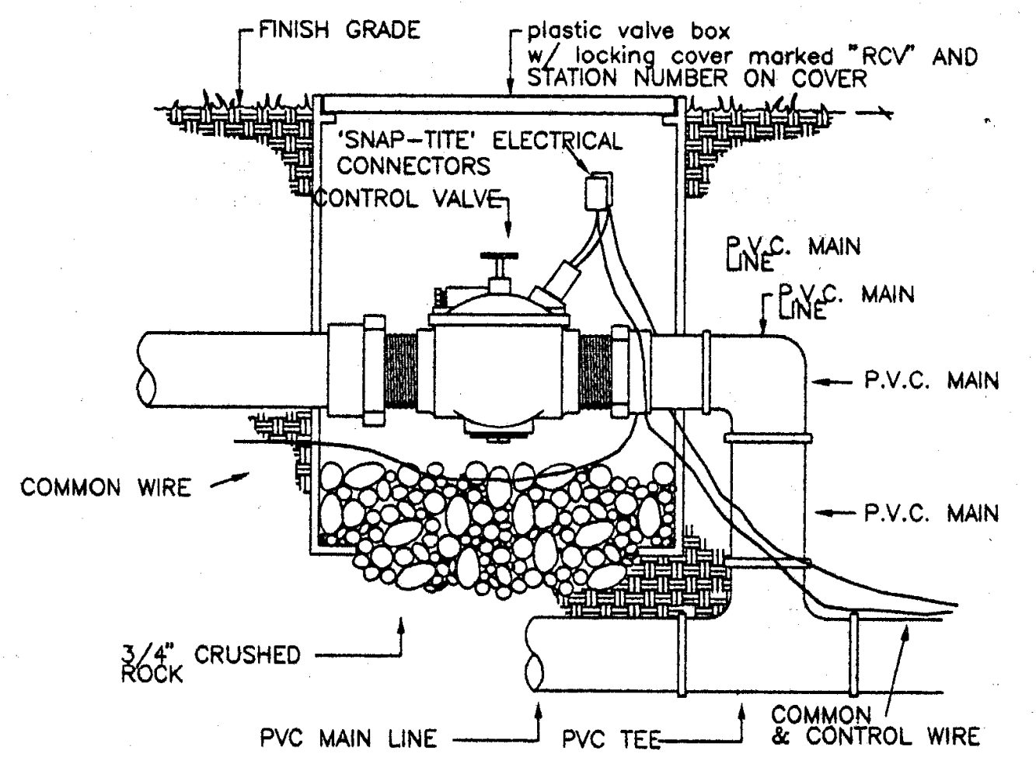
① GATE VALVE
NO SCALE



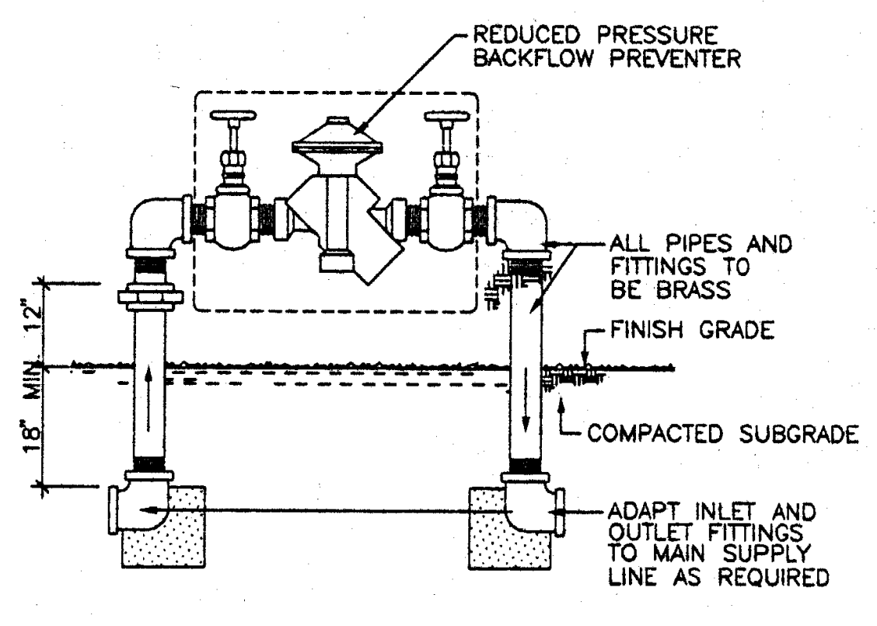
⑧ QUICK COUPLING VALVE
NO SCALE



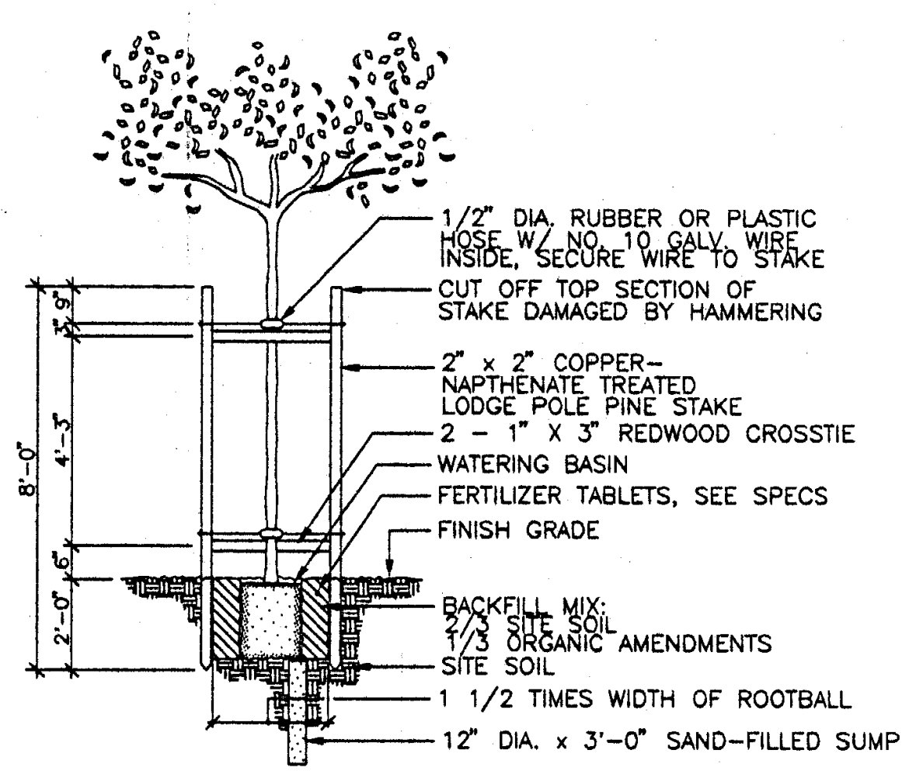
⑦ TRENCHING DETAIL
NO SCALE



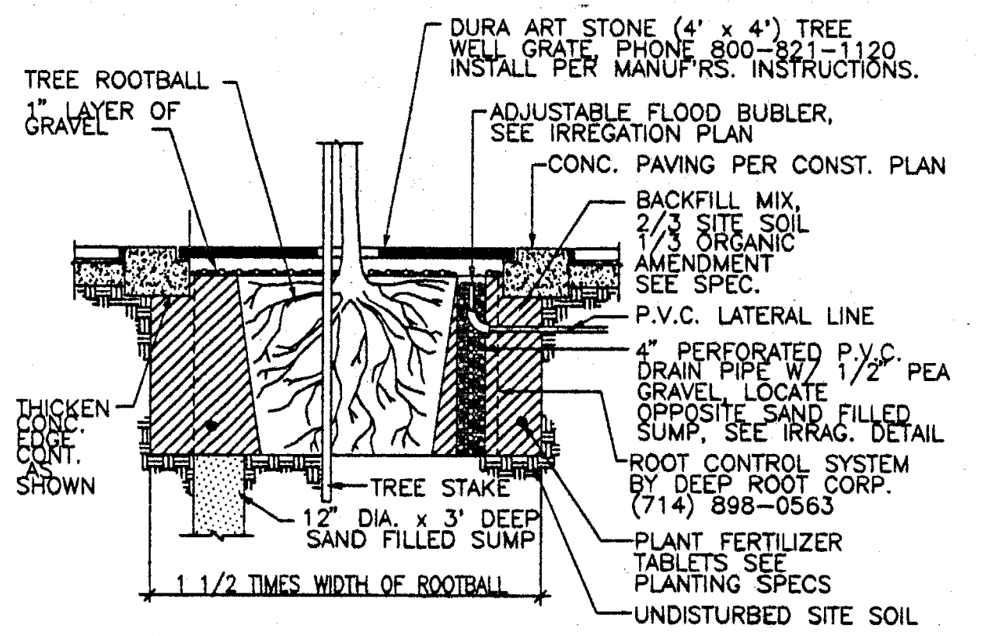
⑥ REMOTE CONTROL VALVE
NO SCALE



⑤ BACKFLOW PREVENTER
NO SCALE

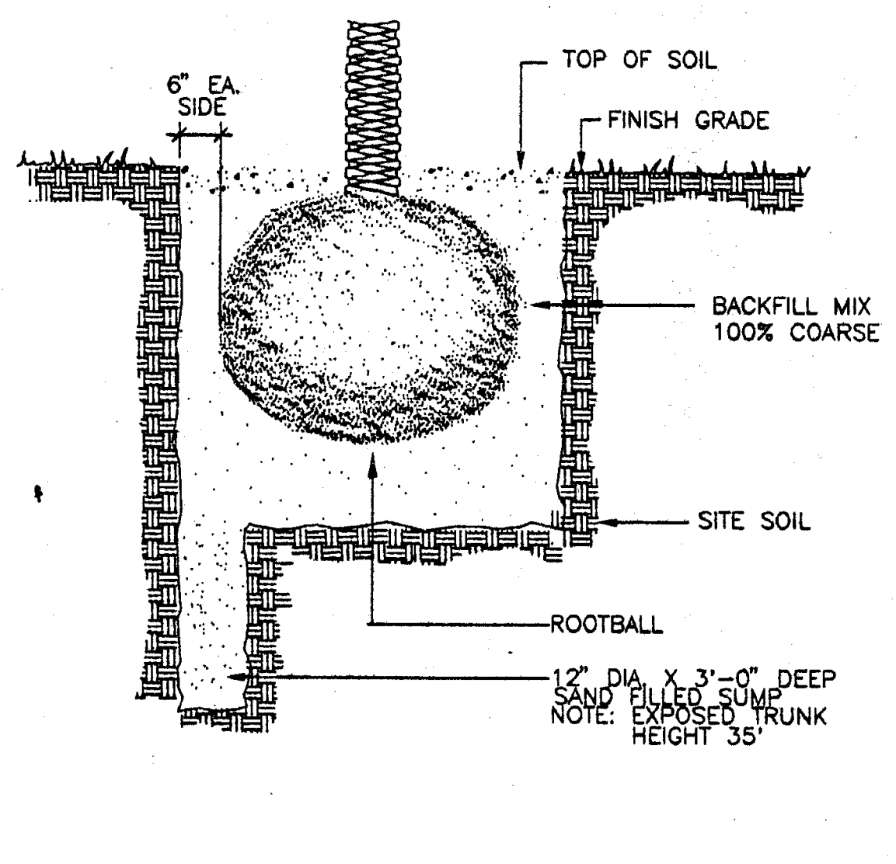


⑫ DOUBLE STAKE DETAIL
NO SCALE



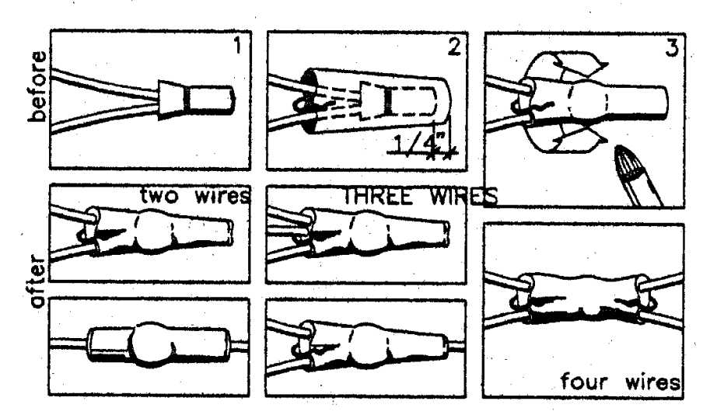
NOTE:
TREE TO BE CENTERED AND PLANTED PRIOR TO PAVING OPERATION

⑪ TREE GRATE DETAIL
NO SCALE



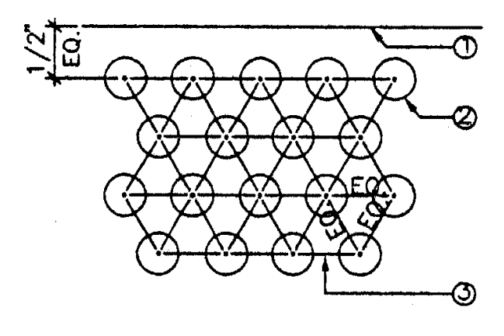
⑩ PALM PLANTING
NO SCALE

NOTE:
SLEEVES TO BE " SPLICE COAT " #DB-2358
AVAILABLE FROM:
GLOBAL SPAN PRODUCTS
P.O. BOX 145
CAMBELL, CA.
95009
(408) 379-2358



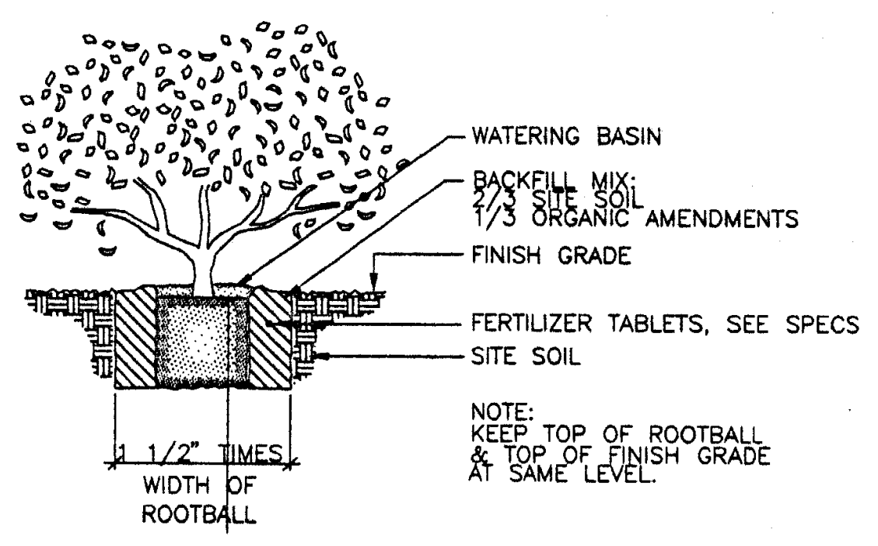
1. CLEAN AND STRIP WIRES. CONNECT WIRES W/ A 'SCOTCH-LOC' OR EQUAL ELECTRICAL WIRE. CONNECTOR. WIRES ARE TO REMAIN CLEAN AND DRY TO ENABLE SLEEVE TO PROPERLY SEAL.
2. POSITION SLEEVE TO APPROX. 1/4" OCER WIRE CONNECTOR (FIG. 2). PUSH CLIP OVER SLEEVE END AT EACH PAIR OF WIRES AS SHOWN.
3. SHRINK THE SLEEVE W/ A TORCH AT A LOW FLAME. SWEEP SLOWLY BACK AND FOURTH AROUND SLEEVE UNTIL ADHESIVE FLOWS AND SEALS AROUND WIRES AT EACH CLIP. HOLD TORCH 4 – 6 INCHES FROM SLEEVE, DO NOT TOUCH FLAME TO SLEEVES OR WIRES. AVOID SCORCHING. ALLOW TO COOL FOR APPROX. TWO MINUTES.

⑨ WIRE CONNECTIONS
NO SCALE



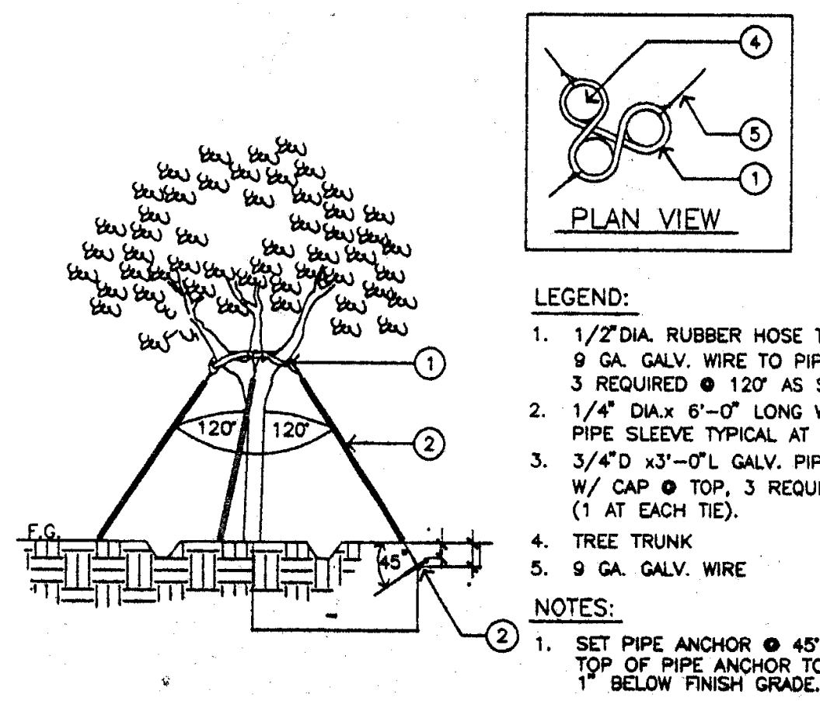
① BUILDING, PAVEMENT FENCE OR PLANTING EDGE
② GROUND COVER OR SHRUB
③ TYPICAL SPACING

⑮ GROUND COVER PLANTING
NO SCALE



NOTE:
KEEP TOP OF ROOTBALL & TOP OF FINISH GRADE AT SAME LEVEL.

⑭ SHRUB PLANTING DETAIL
NO SCALE



LEGEND:
1. 1/2" DIA. RUBBER HOSE TIE W/ 9 GA. GALV. WIRE TO PIPE ANCHOR, 3 REQUIRED @ 120° AS SHOWN.
2. 1/4" DIA.x 6'-0" LONG WHITE P.V.C. PIPE SLEEVE TYPICAL AT EACH TIE.
3. 3/4"D x3'-0"L GALV. PIPE ANCHOR W/ CAP @ TOP, 3 REQUIRED (1 AT EACH TIE).
4. TREE TRUNK
5. 9 GA. GALV. WIRE

NOTES:
1. SET PIPE ANCHOR @ 45° W/ F.G. TOP OF PIPE ANCHOR TO BE 1" BELOW FINISH GRADE.
2. SEE PLANT LEGEND FOR TREES TO BE GUYED.

⑬ TREE GUYING – 48" BOX AND LARGER
NO SCALE

IRRIGATION NOTES AND SPECIFICATION

1. All workmanship and materials shall conform to local building and plumbing codes having jurisdiction.
2. Prior to submitting bid, examine the site and conditions thereof.
3. The work to be performed under this contract shall include furnishing all labor, materials, tools, machinery, and equipment necessary to install a complete sprinkler system as shown on the irrigation plans, including trenching, backfilling, etc.
4. Protect this work and Owner's property from damage as a result of this work.
5. prior to commencing work on the project, arrange an on-site conference with the Landscape Architect, or his duly appointed representative.
6. Apply and pay for all permits required for this portion of the work.
7. The installation and the operation of the system must be approved by the Landscape Architect.
8. If it is found during installtion that the site varies from the drawings, notify the Landscape Architect before proceeding with the work.
9. Coordinate the installation of all sprinkler materials, including pipe, with the landscape drawings to avoid interfering with the planting of trees, shrubs or other planting.
10. It is the intent of these drawings and specificatioins to indicate a complete sprinkler system installed and ready for use without further cost to the Owner.
11. Record accurately on one set of reproducible prints of the drawings, an as-built plan kept up to date as the project is under construction. In addition, dimension from two permanent points of reference, the location of the pressure supply line routing, all valves, plug tees and control wire.
12. All sprinkler heads and piping shall be installed per their details in their respective locations, and shall be of the manufacturer noted unless otherwise approved.
13. The sprinkler system shall be unconditionally guaranteed for a period of one year from the date of acceptance. Manufacturer warranties of one year from the date of acceptance. Manufacturer warranties shall not replace this guarantee and the Contractor shall be responsible for repairs and replacement of failed material.
14. Upon completion of the work, remove all excess material, equipment and waste to the satisfaction of the Landscape Architect.
15. The sprinkler installation shall be deemed incomplete until all sprinkler heads, valves, and all related irrigation equipment have been checked and adjusted to best conform to the conditions and requirements that will prevail at the finish site, and approved as-built drawings have been sumitted.
16. Trenches shall be excavated to sufficient depth to provide coverage of 18" over all pressure supply lines and 12" over all non-pressure lines.
17. Backfill for trenching shall be compacted to a dry density equal to the adjacent undisturbed soil, and shall conform to adjacent grades without dips, sunken areas, humps, or other irregularities.
18. Plastic fittings shall be of Schedule 40 polyvinyl chloride injection molded and side gated. Where threads are required, these shall be injection molded also.
19. Initial backfill on plastic lines shall be of a fine granular material with no foreign matter larger than 1/2" in size.
20. All material required for the project shall be as indicated on legend and installed according to same.
21. Supply as part of this contract the following tools: (a) One wrench for disassembling each type of sprinkler head supplied: (b) Four 30" sprinkler keys for operation of sprinkler keys for operation of sprinkler control valves.
22. All control valvesto be placed in 12" X 18" Ametek plastic valve box which will be located flush with finish grades.
23. All heads located within 12" of hardscape areas to be staked with 1/2" dia. X 12" galvanized pipe.
24. All riser/lateral connections to be double swing joints.
25. All risers for hose bibs to be 12" above finished grade.
26. All control valve boxes to be located @ right angle to hardscape ares.
27. Where heads on slope occur, all heads shall be placed parallel to the angle of slope and staked with 1/2" dia. X 12" galvanized.

Jenkins/Gales & Martinez, Inc.
Project & Construction Management
5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721
Architects • Engineers • Planners

PROGRAMMING
PLANNING
ARCHITECTURE

DRAWN
CHECKED
APPROVED

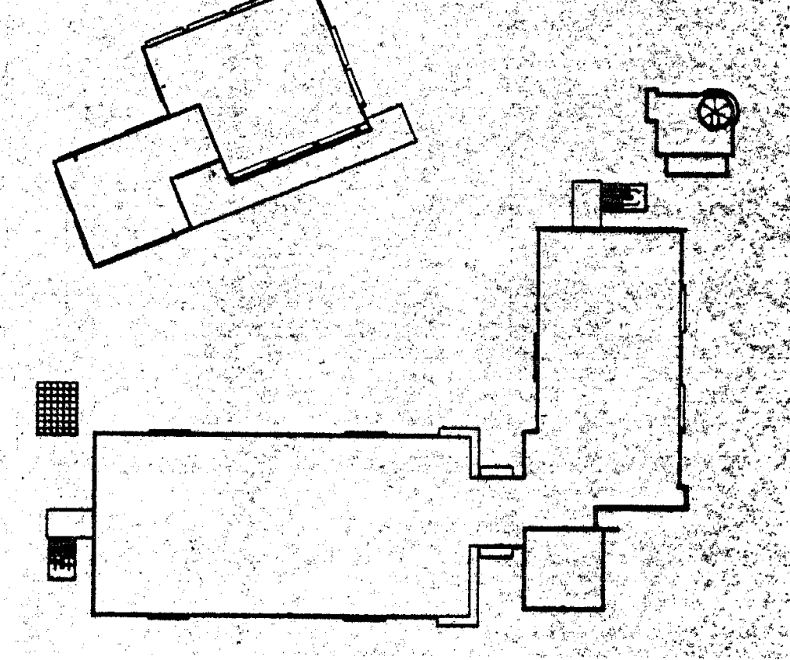
CONSULTANT
CIVIL:
WAGNER ENGINEERING & SURVEY, INC.
14930 VENTURA BLVD., STE. 240
SHERMAN OAKS, CA 91403
818-995-9880
818-995-9877 FAX
LANDSCAPE:
DSK LANDSCAPE ARCHITECTS
3333 WILSHIRE BLVD. SUITE 103
LOS ANGELES, CA. 90010
213-382-3113
213-382-2669 FAX

STRUCTURAL:
JOHN A. MARTIN & ASSOCIATES, INC.
1212 S. FLOWER
LOS ANGELES, CA 90015
213-483-6490
213-483-3084 FAX
MECHANICAL & PLUMBING:
MAROKO & ASSOCIATES
12517 CHANDLER BLVD.
VALLEY VILLAGE, CA 71607
818-760-7300
818-760-4645 FAX

ELECTRICAL:
SILVER, ROTH & ASSOCIATES, INC.
8780 NATIONAL BLVD., STE. 206
CULVER CITY, CA. 90232
310-202-0246
310-202-0678 FAX

SEAL
David D. Kim #2831
Morris R. Poindexter C-13900

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

PLANTING & IRRIGATION DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ___ FLS ___ SS ___
DATE 2-20-98

FILE:
SCALE: NO SCALE
JOB NO.
DATE: 01.23.98
SHEET NO. L-7
OF 7 SHEETS

PLOT DATE: 07.15.97

CERTIFICATE OF COMPLIANCE - Mechanical (part 1 of 14) MECH-1 page 1 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Address: 1111 EAST ARTESIA BOULEVARD
COMPTON CALIFORNIA |Building Permit No
Mechanical
Designer: |Checked by / Date
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

GENERAL INFORMATION
Date of Plans: 7/23/97 Building Conditioned Floor Area: 35625 sf
Building Type: Nonresidential Climate Zone: 8

Phase of Construction: [✓ 0 New Construction] 0 Addition 0 Alteration

Method of Mechanical Compliance: Prescriptive
Proof of Envelope Compliance: 0 Previous Permit [✓ 0 Compliance Attached]

STATEMENT OF COMPLIANCE
This Certificate of Compliance lists the Building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building mechanical requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR 1/27/97
(818) 760-7300 (Signature) (Date)

The Principal Mechanical Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed Building has been designed to meet the mechanical requirements contained in sections 110 through 115, 120 through 124, 140 through 142, 144 and 145.

Please check one:

[✓ 0] I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a civil engineer mechanical engineer or architect.

0 I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section 5537.2 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a licensed contractor preparing documents for work that I have contracted to perform.

0 I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section ________ of the ________________ ____________ Code to sign this document as the person responsible for its preparation; and for the following reason:______________________________.

PRINCIPAL MECHANICAL DESIGNER M26903 1/27/97
(Signature) (Lic. #) (Date)

MECHANICAL MANDATORY MEASURES
Indicate location on plans of Note Block for Mandatory Measures: ________
?

CERTIFICATE OF COMPLIANCE - Mechanical (part 2 of 14) MECH-1 page 2 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	LOBBY 100 & 101	FLEX LAB 103
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	1069	480
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 24	BCHB 54
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	TUTORIAL LAB 105	STORAGE 106
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	288	87
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 24
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE - Mechanical (part 3 of 14) MECH-1 page 3 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	FLEX LAB 107	BIOLOGY LAB 108
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	462	462
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	STORAGE 109	FLEX LAB 110
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	159	449
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

PLOT DATE: 1-27-98

CERTIFICATE OF COMPLIANCE - Mechanical (part 4 of 14) MECH-1 page 4 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	ROOM 111, 112, 114	MEETING ROOM 115
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	87	81
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	OFFICE 116, 117, 118	LOUNGE 119
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	55	215
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 24	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE - Mechanical (part 5 of 14) MECH-1 page 5 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	OFFICE 122, 123, 124	SCIENCE LAB 126
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	55	311
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	PREP & STORAGE 127	SCIENCE LAB 128
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	74	279
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 12	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE - Mechanical (part 6 of 14) MECH-1 page 6 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	GEOLOGY LAB 129	PREP & STORAGE 130
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	296	92
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 24
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	REST ROOM 131, 132	OVSERVATIRY 136
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	153	376
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE - Mechanical (part 7 of 14) MECH-1 page 7 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	CORRIDOR - 1ST FLR WEST	CORRIDOR - 1ST FLR EAST
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	196	177
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 24	BCHB 24
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	LOBBY 200, 201 & 233	FLEX LAB 202
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	1731	376
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE - Mechanical (part 8 of 14) MECH-1 page 8 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	SCIENCE LAB 203	FLEX LAB 204
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	239	238
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	FLEX LAB 205	FLEX LAB 206
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	239	238
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE - Mechanical (part 9 of 14) MECH-1 page 9 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	FLEX LAB 207	FLEX LAB 208
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	227	227
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	FLEX LAB 209	FLEX LAB 210
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	240	239
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE - Mechanical (part 10 of 14) MECH-1 page 10 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	FLEX LAB 211	MATH LAB 212
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	240	263
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	ROOM 213,214,215 & 217	VENDING/DIST. WATER
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	144	48
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 24
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE - Mechanical (part 11 of 14) MECH-1 page 11 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	ROOM 219,220,221 & 222	OFFICE 223 THRU 227
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	72	92
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 36
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	CHEMISTRY 227	CHEMISTRY STORAGE 228
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	450	63
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 54	BCHB 24
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE - Mechanical (part 12 of 14) MECH-1 page 12 of 14

Project Name: COMPTON COLLEGE MATH-SCIENCE BUILDING |Date: 7/22/1997
Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES Note to Field

Zone Name	BALANCE ROOM 229	CHEMISTRY LAB 230
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	53	447
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 24	BCHB 54
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	REST ROOM 231, 232	CORRIDOR - 2ND FLR WEST
Time Control	_______	_______
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	Constant Volume	Constant Volume
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	Constant Temp	Constant Temp
Ventilation	_______	_______
OA Damper Control	_______	_______
Economizer Type	No Economizer	No Economizer
Outdoor Air CFM	153	161
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	BCHB 36	BCHB 24
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC______FLS______SS [illegible]
3.20.98

James H. Shi[illegible]
No. 26903
Exp. 9/30/98

JGM
Jenkins/Gales & Martinez, Inc.
Project & Construction Management
5933 West Century Boulevard - Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721
Architects • Engineers • Planners

PROGRAMMING
PLANNING
ARCHITECTURE

DRAWN	WMA
CHECKED	JS
APPROVED	

CONSULTANT

CIVIL:
WAGNER ENGINEERING & SURVEY, INC.
14930 VENTURA BLVD., STE. 240
SHERMAN OAKS, CA 91403
818-995-9880
818-995-9877 FAX

LANDSCAPE:
DSK LANDSCAPE ARCHITECTS
3333 WILSHIRE BLVD. SUITE 103
LOS ANGELES, CA. 90010
213-382-3113
213-382-2669 FAX

STRUCTURAL:
JOHN A. MARTIN & ASSOCIATES, INC.
1212 S. FLOWER
LOS ANGELES, CA 90015
213-483-6490
213-483-3084 FAX

MECHANICAL & PLUMBING:
MAROKO & ASSOCIATES
12517 CHANDLER BLVD.
VALLEY VILLAGE, CA 91607
818-760-7300
818-760-4645 FAX

ELECTRICAL:
SILVER, ROTH & ASSOCIATES, INC.
8780 NATIONAL BLVD., STE. 206
CULVER CITY, CA. 90232
310-202-0246
310-202-0678 FAX

SEAL

Morris R. Poindexter
C-13900
3-31-99
RENEWAL DATE

MAROKO & ASSOCIATES
Mechanical Engineers
12517 CHANDLER BOULEVARD
VALLEY VILLAGE, CA 91607
(818) 760-7300
FAX(818) 760-4645

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

TITLE 24 COMPLIANCES

FILE:		SHEET NO.
SCALE	NOT TO SCALE	**M0.1**
JOB NO.	JGM	
DATE	07.23.97	OF 13 SHEETS

CERTIFICATE OF COMPLIANCE – Mechanical (part 13 of 14) MECH–1 page 13 of 14

Project Name: COMPTON COLLEGE MATH–SCIENCE BUILDING |Date: 7/22/1997

Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES — Note to Field

Zone Name	CORRIDOR – 2ND FLR EAST
Time Control	________
Setback Control	None
#of Isolation Zones	n/a
HP Thermostat	n/a
Electric Heat	n/a
Fan Control	Constant Volume
VAV Min Position	n/a
Simul. Heat/Cool	n/a
Heat Supply Reset	Constant Temp
Cool Supply Reset	Constant Temp
Ventilation	________
OA Damper Control	________
Economizer Type	No Economizer
Outdoor Air CFM	135
Heat Equip Type	Hot Water
Make & Model No.	BCHB 12
Cool Equip Type	Chilled Water
Make and Model	

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

CERTIFICATE OF COMPLIANCE – Mechanical (part 14 of 14) MECH–1 page 14 of 14

Project Name: COMPTON COLLEGE MATH–SCIENCE BUILDING |Date: 7/22/1997

Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

DUCT INSULATION

System Name	Type	Duct Location	Duct Tape Allowed	Insul R–Val	Note to Field
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 54	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 12	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 54	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 54	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 36	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 24	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
BCHB 12	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	

PIPE INSULATION

System Name	Pipe Type	Insul Required	Note to Field
Domestic Hot Water	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 54	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 12	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 54	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 54	____________	Y / N	
BCHB 36	____________	Y / N	
BCHB 24	____________	Y / N	
BCHB 12	____________	Y / N	

NOTES TO FIELD – For Building Department Use Only

CERTIFICATE OF COMPLIANCE – Mechanical (part 1 of 3) MECH–1 page 1 of 3

Project Name: COMPTON COLLEGE MATH–SCIENCE BUILDING |Date: 7/22/1997
Address: 1111 EAST ARTESIA BOULEVARD
COMPTON CALIFORNIA
|Building Permit No
Mechanical
Designer: JAMES H. SHWE |Checked by / Date

Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

GENERAL INFORMATION
Date of Plans: 7/23/97 Building Conditioned Floor Area: 6508 sf
Building Type: Nonresidential Climate Zone: 8

Phase of Construction: [✓ 0 New Construction] 0 Addition 0 Alteration

Method of Mechanical Compliance: Prescriptive
Proof of Envelope Compliance: 0 Previous Permit [✓ 0 Compliance Attached]

STATEMENT OF COMPLIANCE
This Certificate of Compliance lists the Building features and performance specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building mechanical requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR
JAMES H. SHWE
(818) 760–7300
(Signature) 1/27/98 (Date)

The Principal Mechanical Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed Building has been designed to meet the mechanical requirements contained in sections 110 through 115, 120 through 124, 140 through 142, 144 and 145.

Please check one:

[✓ 0] I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a civil engineer mechanical engineer or architect.

0 I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section 5537.2 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am a licensed contractor preparing documents for work that I have contracted to perform.

0 I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code by Section _______ of the ________________ ___________ Code to sign this document as the person responsible for its preparation; and for the following reason:_______________________________.

PRINCIPAL MECHANICAL DESIGNER
JAMES H. SHWE
(818) 760–7300
(Signature) M26903 (Lic. #) 1/27/98 (Date)

MECHANICAL MANDATORY MEASURES
Indicate location on plans of Note Block for Mandatory Measures: _________

CERTIFICATE OF COMPLIANCE – Mechanical (part 2 of 3) MECH–1 page 2 of 3

Project Name: COMPTON COLLEGE MATH–SCIENCE BUILDING |Date: 7/22/1997

Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

SYSTEM FEATURES — Note to Field

Zone Name	OFFICES AREA	JOB DROP–OFF AREA
Time Control	________	________
Setback Control	None	None
#of Isolation Zones	n/a	n/a
HP Thermostat	n/a	n/a
Electric Heat	n/a	n/a
Fan Control	FC w/Dampers	FC w/Dampers
VAV Min Position	n/a	n/a
Simul. Heat/Cool	n/a	n/a
Heat Supply Reset	Constant Temp	Constant Temp
Cool Supply Reset	OA Reset	OA Reset
Ventilation	________	________
OA Damper Control	________	________
Economizer Type	Fixed Temp (Integrated)	Fixed Temp (Integrated)
Outdoor Air CFM	283	626
Heat Equip Type	Hot Water	Hot Water
Make & Model No.	TRANE MCC06	TRANE MCC06
Cool Equip Type	Chilled Water	Chilled Water
Make and Model		

Zone Name	PRODUCTION 161
Time Control	________
Setback Control	None
#of Isolation Zones	n/a
HP Thermostat	n/a
Electric Heat	n/a
Fan Control	Constant Volume
VAV Min Position	n/a
Simul. Heat/Cool	n/a
Heat Supply Reset	Constant Temp
Cool Supply Reset	OA Reset
Ventilation	________
OA Damper Control	________
Economizer Type	Fixed Temp (Integrated)
Outdoor Air CFM	376
Heat Equip Type	Hot Water
Make & Model No.	TRANE MCC06
Cool Equip Type	Chilled Water
Make and Model	

Code Tables

Time Control	Ventilation	OA Damper
S:Prog Switch	B:Air Balance	A:Auto
O:Occ Sensor	C:OA Cert.	G:Gravity
M:Man Timer	M:OA Measure	
	D:Demand Cont	
	N:Natural	

?
CERTIFICATE OF COMPLIANCE – Mechanical (part 3 of 3) MECH–1 page 3 of 3

Project Name: COMPTON COLLEGE MATH–SCIENCE BUILDING |Date: 7/22/1997

Documentation: MAROKO & ASSOCIATES |COMPLY 24 User 3072

DUCT INSULATION

System Name	Type	Duct Location	Duct Tape Allowed	Insul R–Val	Note to Field
TRANE MCC06	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
TRANE MCC06	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	
TRANE MCC06	Heating	Ducts in Attic	Y / N	4.2	
	Cooling	Ducts in Attic	Y / N	4.2	

PIPE INSULATION

System Name	Pipe Type	Insul Required	Note to Field
Domestic Hot Water	____________	Y / N	
TRANE MCC06	____________	Y / N	
TRANE MCC06	____________	Y / N	
TRANE MCC06	____________	Y / N	

NOTES TO FIELD – For Building Department Use Only

ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 0.4

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT OF RECORD AND THE DIVISION OF THE STATE ARCHITECT'S FIELD ENGINEER.

THIS IS TO CERTIFY THE PLANS FOR THIS PROJECT HAVE BEEN REVIEWED BY THE (ARCHITECT AND / OR ENGINEER OF RECORD) AND MEET OR EXCEED THE MINIMUM DESIGN REQUIREMENTS LISTED ABOVE. THESE DESIGN REQUIREMENTS ARE SUPPLEMENTAL IN THE CALIFORNIA BUILDING CODES (TITLE 24, CALIFORNIA CODE OF REGULATIONS) AND ARE NOT INTENDED TO SUPERSEDE ANY APPLICABLE CODE OR ORDINANCE.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC____ FLS____ SS MG 16
3·10·98

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No. 26903
Exp. 9/30/98

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KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH–SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

TITLE 24 COMPLIANCES

FILE:
SCALE NOT TO SCALE
JOB NO. JGM
DATE 07.23.97

SHEET NO.
M0.2
OF 13 SHEETS

97120M2.DWG UPDATE: 1/27/98

PLOT DATE: 1-27-98

AIR HANDLING UNITS

SYMBOL	SERVICE	LOCATION	TYPE	DESIGN BASE MANUFACTURER & MODEL	FAN									COOLING COIL												HEATING COIL										FILTERS				OPER. WEIGHT (LBS)	OUTDOOR AIR		VIBRATION ISOLATORS		REMARKS
					FAN WHEEL		TOTAL UNIT CFM	T.S.P (IN.WG)	BHP	MOTOR				FACE VEL. FPM	NO. OF ROWS	FIN PER IN.	ENT. AIR		LEV. AIR		AIR P.D. IN.WG.	CHILLED WATER				FACE VEL. FPM	NO. OF ROWS	FIN PER IN.	ENT. AIR (°F)	LEV. AIR (°F)	AIR P.D. IN.WG.	HEATING HOT WATER				FACE VEL. FPM	%EFF ①	QTY	SIZE HxWxT (IN)		CFM	% OF TOTAL	TYPE	DEFLECTION (IN)	
					TYPE	DIA.(IN)				HP	V-Ø	Hz	RPM				DB(°F)	WB(°F)	DB(°F)	WB(°F)		IN(°F)	OUT(°F)	GPM	P.D.(FT.WG)							IN(°F)	OUT(°F)	GPM	P.D.(FT.WG)										
AH 1	LOBBY 101 & LOBBY 101	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	100	11.1	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 2	FLEX LAB. 103	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 054	BI	12.62	1800	2.08	0.97	1½	460-3	60	1750	506	6	–	80	67	59.9	58.8	0.63	48	60	8.36	1.52	506	1	–	60	96	0.10	180	130	2.7	3.15	324	30	1	20x20x2	240	650	36	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 3	COLD STORAGE 104	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	100	11.1	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 4	TUTORIAL LAB 105	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	250	27.8	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 5	STORAGE 106	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	850	95	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 6	FLEX LAB. 107	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	425	31.4	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 6A	FLEX LAB. 107	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	425	31.4	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 7	BIOLOGY LAB 108	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 8	STORAGE 109 & OFFICE 109	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	850	95	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 9	FLEX LAB. B 110	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 10	SERVER RM. 111 ENERGY RM. 112 ELEC. RM. 114	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	650	48.1	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 11	MEETING ROOM 115	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	450	33.3	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 12	OFFICE 123 & 124	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	50	5.6	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 13	LOUNGE 119 REST ROOM 120 REST ROOM 121	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	320	23.7	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 14	OFFICE 116,117, 118 & 122	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	150	11.1	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 15	SCIENCE LAB. 126	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	300	22.2	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 16	PREPARATION & STORAGE 127	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 012	BI	9.5	450	1.99	0.35	½	460-3	60	1750	506	6	–	80	67	60.62	58.81	0.79	48	60	2.19	2.03	506	1	–	60	96	0.12	180	149.6	1.07	0.68	225	30	1	12x24x2	130	50	11.1	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 17	SCIENCE LAB. 128	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	22.2	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 18	GEOLOGY LAB. 129	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	400	29.6	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 19	PREPARATION & STORAGE 130	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	850	95	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 20	REST ROOM 131 REST ROOM 132	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	1350	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 21	OBSERVATORY 136	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	300	22.2	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 22	FIRST FLOOR WEST CORRIDOR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	200	22.2	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 23	FIRST FLOOR EAST CORRIDOR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	200	22.2	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 24	LOBBY 200 ELEV. LOBBY 201 DISPLY GAL. 233	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	200	14.8	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 25	FLEX LAB. A 202	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	375	27.7	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 25A	FLEX LAB. A 202	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	375	27.7	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 26	SCIENCE LAB. 203	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 27	FLEX LAB. 204	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 28	FLEX LAB. 205	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 29	FLEX LAB. 206	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 30	FLEX LAB. 207	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 31	FLEX LAB. 208	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 32	FLEX LAB. 209	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 33	FLEX LAB. 210	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	37	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 34	FLEX LAB. 211	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	500	55.5	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 35	MATH LAB. 212	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	550	61.1	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 36	MATCH STORAGE 213 SERVER ROOM 214 ELEC. ROOM 217	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	650	48.1	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 37	VENDING MECH. 218 DIST WATER RM.	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	900	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 38	REST ROOM 219, 220 & OFFICE 221, 224 & 225	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	300	22.2	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 39	OFFICE 223, 226 & 227	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	275	20	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 40	CHEMISTRY LAB. 227	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 054	BI	12.62	2000	2.25	1.17	1½	460-3	60	1750	506	6	–	80	67	59.8	58.8	0.76	48	60	9.27	1.83	506	1	–	60	96	0.12	180	136.8	3.45	4.98	324	30	2	20x20x2	240	2000	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AC 40A	CHEMISTRY LAB. 227	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 054	BI	12.62	2000	2.25	1.17	1½	460-3	60	1750	506	6	–	80	67	59.8	58.8	0.76	48	60	9.27	1.83	506	1	–	60	96	0.12	180	136.8	3.45	4.98	324	30	2	20x20x2	240	2000	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 41	CHEMISTRY STORAGE 228	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	850	95	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 42	BALANCE ROOM 229	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	100	11.1	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 43	CHEMISTRY LAB. 230	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 054	BI	12.62	2000	2.25	1.17	1½	460-3	60	1750	506	6	–	80	67	59.8	58.8	0.76	48	60	9.27	1.83	506	1	–	60	96	0.12	180	136.8	3.45	4.98	324	30	2	20x20x2	240	2000	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 43A	CHEMISTRY LAB. 230	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 054	BI	12.62	2000	2.25	1.17	1½	460-3	60	1750	506	6	–	80	67	59.8	58.8	0.76	48	60	9.27	1.83	506	1	–	60	96	0.12	180	136.8	3.45	4.98	324	30	2	20x20x2	240	2000	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 44	REST ROOM 231 REST ROOM 232	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 036	BI	9.5	1350	2.0	0.79	1	460-3	60	1750	506	6	–	80	67	56.9	55.7	0.86	48	60	8.15	14.47	506	1	–	60	96	0.12	180	137.7	2.4	5.43	304	30	2	16x20x2	200	1350	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 45	SECOND FLOOR WEST CORRIDOR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 024	BI	9.5	900	2.9	0.63	¾	460-3	60	1750	540	6	–	80	67	59.08	57.7	0.91	48	60	4.75	4.23	540	1	–	60	96	0.14	180	145.7	1.94	2.92	324	30	1	16x25x2	170	200	22.2	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 46	SECOND FLOOR EAST CORRIDOR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 012	BI	9.5	450	1.99	0.35	½	460-3	60	1750	506	6	–	80	67	60.62	58.81	0.79	48	60	2.19	2.03	506	1	–	60	96	0.12	180	149.6	1.07	0.68	225	30	1	12x24x2	130	100	22.2	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 47	FIRST FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	–	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	–	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 48	FIRST FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	–	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	–	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 49	FIRST FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	–	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	–	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 50	FIRST FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	–	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	–	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 51	SECOND FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	–	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	–	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.
AH 52	SECOND FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCHB 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	–	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	–	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2, 3 & 6 ON M3.3.

NOTES ① PER ASHRAE STANDARD 52.1-1992

PLOT DATE: 3.11.98

MECHANICAL LEGEND

ALL ITEMS INDICATED IN THIS LEGEND ARE NOT NECESSARILY USED ON THE DRAWINGS.

SYMBOL & ABBREVATION	DESCRIPTION
	MATCH LINE
	EQUIPMENT DESIGNATION
	DETAIL REFERENCE
◇	NOTE REFERENCE
P.O.C	POINT OF CONNECTION
⊗ P.O.R	POINT OF REMOVAL
OA. SA. RA. EXH.	OUTSIDE AIR. SUPPLY. RETURN. EXHAUST
	SUPPLY AIR DUCT
	RA. OR OA. DUCT
	EXH. DUCT
	LINED DUCT
	TURNING VANES
	TRANSITION
	FLEXIBLE DUCT
	FLEXIBLE DUCT CONNECTION
BD	BACKDRAFT DAMPER
MVD	MANUAL VOLUME DAMPER
CD	CONTROL DAMPER
FD	FIRE DAMPER
AFD	AUTOMATIC FIRE DAMPER (COMBINATION SMOKE & FIRE DAMPER)
2.5 ⌽	LOUVER (EX; 2.5 ⌽)
	UNDERCUT DOOR 3/4" ABOVE FINISHED FLOOR
AD.AP.	ACCESS DOOR. ACCESS PANEL.
12x12 CD. CR.CG.	12x12 CEILING DIFFUSER. REGISTER. GRILLE. . ARROWS INDICATE THROW PATTERN.
12x12 TR. TG.BR.BG.	12x12 TOP REGISTER. GRILLE. BOTTOM REGISTER. GRILLE.
10'-0"x0'-6" LD.LG.	10 FT. LENGTH x 6 IN. WIDTH LINEAR DIFFUSER, LINEAR GRILLE.
LVR.	LOUVER
CONT.	CONTINUED, CONTINUATION
TYP.	TYPICAL
BEL.	BELOW
ABV.	ABOVE
W/	WITH
CFM	CUBIC FEET PER MINUTE
AFF	ABOVE FINISHED FLOOR
FS	FLOOR SINK
DN.	DOWN
EA.	EACH
E.S.P	EXTERNAL STATIC PRESSURE
HP	HORSE POWER
BHP	BRAKE HORSE POWER
V-Ø	VOLT-PHASE
RPM	REVOLUTIONS PER MINUTE
FPM	FEET PER MINUTE
%EFF	EFFICIENCY (%)
— CHS —	CHILLED WATER SUPPLY
— CHR —	CHILLED WATER RETURN
— BS —	BRINE SUPPLY
— BR —	BRINE RETURN
— CWS —	CONDENSER WATER SUPPLY
— CWR —	CONDENSER WATER RETURN
— HWS —	HOT WATER SUPPLY FOR SPACE HEATING
— HWR —	HOT WATER RETURN FOR SPACE HEATING
— D —	CONDENSATE DRAIN (INDIRECT)
	UNION. FLANGE
	SHUT-OFF VALVE (GATE VALVE)
	BALANCING VALVE (GLOBE VALVE)
	FLOW LIMITING VALVE
	COCK
	STRAINER
	CHECK VALVE
	PRESSURE GAUGE
	BUTTERFLY VALVE
	GAUGE COCK
	THERMOMETER
MAV	MANUAL AIR VENT
PRV	PRESSURE REDUCING VALVE
	RELIEF VALVE
	3 WAY CONTROL VALVE
	2 WAY CONTROL VALVE
	PIPE ANCHOR
	PIPE GUIDE
	FLEXIBLE PIPE CONNECTION
Ⓣ Ⓗ S T.H.S.	ZONE TEMPERATURE SENSOR, HUMIDITY SENSOR, SWITCH
⟨E⟩	ITEM TO BE FURNISHED AND INSTALLED UNDER ELECTRICAL DIVISION
MS	MAGNETIC STARTER ⟨E⟩
NO	NORMALLY OPEN ELECTRICAL CONTACT ⟨E⟩
NC	NORMALLY CLOSED ELECTRICAL CONTACT ⟨E⟩
CR	ELECTRICAL COIL RELAY ⟨E⟩
OVL	OVERLOAD PROTECTION ⟨E⟩
PL	PILOT LIGHT ⟨E⟩
	ON - OFF SWITCH ⟨E⟩
H A	HAND - OFF - AUTOMATIC SWITCH ⟨E⟩
DISC. S	DISCONNECT SWICTH ⟨E⟩
	ELECTRIC SWITCHING DEVICE ⟨E⟩
	FLOW SWITCH
	TEMPERATURE SWITCH
SD.	SMOKE DETECTOR (SWITCH ACTIVATED BY) ⟨E⟩
OVL	SINGLE PHASE MOTOR W/BUILT-IN OVERLOAD PROTECTION
(EM)	ON EMERGENCY POWER ⟨E⟩
MCC MCC	MOTOR CONTROL CENTER ⟨E⟩
CP CP	CONTROL PANEL
NC.C.NO.	NORMALLY CLOSED. COMMON. NORMALLY OPEN
BMS	BUILDING MANAGEMENT SYSTEM
PC	PROGRAMMABLE CONTROLLER
AO, AI	ANALOG OUTPUT, ANALOG INPUT
DO, DI	DIGITAL OUTPUT, DIGITAL INPUT
	LINE VOLTAGE ⟨E⟩U.O.N
	LOW VOLTAGE
	SLASHES INDICATE NO. OF WIRES
A	ACTUATOR FOR VALVE OR DAMPER
A	CONTROL AIR
CB	CIRCUIT BREAKER ⟨E⟩
U.P.S	UNINTERRUPTED POWER SUPPLY ⟨E⟩
U.O.N	UNLESS OTHERWISE NOTED
D D	DUCT DROP IN DIRECTION OF AIR FLOW
R R	DUCT RISE IN DIRECTION OF AIR FLOW
Ⓑ	MANUAL BYPASS TIMER

GENERAL NOTES

1. MOUNT WALL MOUNTED THERMOSTATS 4'-0" ABOVE FINISHED FLOOR.
2. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF DIFFUSERS, REGISTERS & ACCESS PANELS & OTHER CEILING MOUNTED DEVICES.
3. ARROWS AT CEILING DIFFUSERS INDICATE THE AIR THROW PATTERN.
4. INSTALLATION OF DUCTWORK AND PIPING SHALL BE COORDINATED WITH OTHER TRADES.
5. CONTRACTOR SHALL VISIT JOB SITE AND VERIFY CONDITIONS, LOCATIONS AND DIMENSIONS BEFORE STARTING ANY WORK.
6. DUCTS TO COMPLY WITH THE CURRENT U.M.C GUIDELINES.
7. A/C INSTALLER TO PROVIDE SHOP DRAWINGS FOR EXACT SIZES AND LOCATIONS OF EQUIPMENT BASES, FRAMED OPENINGS, SLEEVED OPENINGS AND EQUIPMENT SUPPORTS OR HANGERS.
8. A/C INSTALLER SHALL BALANCE AIR SYSTEM TO THE CFM CAPACITY AS INDICATED ON FLOOR PLAN.
9. LINED DUCT AND PLENUM SIZES SHOWN ARE NET INSIDE DIMENSIONS. INCREASE OUTSIDE DIMENSIONS TO COMPENSATE FOR LINER.
10. CONCEALED BUILDING SPACES USED AS RETURN AIR PLENUMS SHALL BE IN COMPLIANCE WITH CURRENT U.M.C REQUIREMENTS.
11. APPLIANCES DESIGNED TO BE IN FIXED POSITION SHALL BE SECURELY FASTENED IN PLACE PER SMACNA GUIDE LINES AND GOVERNING CODES.
12. POWER ON SITE TO BE VERIFIED BEFORE ORDERING EQUIPMENT.
13. PROVIDE IDENTIFICATION LABELS FOR ALL HVAC EQUIPMENT PER CODE.

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KEY PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
FLS SS
3-20-98

NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

LEGEND,
SCHEDULES
& NOTES

FILE:
SCALE NOT TO SCALE
JOB NO. JGM
DATE

SHEET NO.
M1.1
OF 14 SHEETS

97120M11.DWG UPDATE: 3/11/98

AIR HANDLING UNITS

SYMBOL	SERVICE	LOCATION	TYPE	DESIGN BASE MANUFACTURER & MODEL	FAN									COOLING COIL													HEATING COIL										FILTERS				OPER. WEIGHT (LBS)	OUTDOOR AIR		VIBRATION ISOLATORS		REMARKS
					FAN WHEEL		TOTAL UNIT CFM	T.S.P (IN.WG)	BHP	MOTOR				FACE VEL. FPM	NO. OF ROWS	FIN PER IN.	ENT. AIR		LEV. AIR		AIR P.D. IN.WG.	CHILLED WATER				FACE VEL. FPM	NO. OF ROWS	FIN PER IN.	ENT. AIR (°F)	LEV. AIR (°F)	AIR P.D. IN.WG.	HEATING HOT WATER				FACE VEL. FPM	%EEF ①	QTY	SIZE HxWxT (IN)		CFM	% OF TOTAL	TYPE	DEFLECTION (IN)	
					TYPE	DIA.(IN)				HP	V-Ø	Hz	RPM				DB(°F)	WB(°F)	DB(°F)	WB(°F)		IN(°F)	OUT(°F)	GPM	P.D.(IN.WG)							IN(°F)	OUT(°F)	GPM	P.D.(IN.WG)										
AH 53	SECOND FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCBH 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	-	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	-	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX. SEE DETAILS 2,3 & 6 ON M3.3
AH 54	SECOND FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCBH 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	-	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	-	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX.
AH 55	SECOND FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCBH 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	-	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	-	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX.
AH 56	SECOND FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCBH 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	-	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	-	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX.
AH 57	SECOND FLOOR OUTSIDE AIR	ABOVE CEILING	HORIZONTAL DRAW THRU	TRANE BCBH 072	BI	12.62	2700	1.89	1.48	2	460-3	60	1750	540	6	-	90	68	56.9	56.3	0.75	50	62	16.6	5.8	540	1	-	33	70	0.12	180	108.7	3	4.5	432	30	1 1	20x20x2 20x25x2	350	2700	100	VIBREX HXA	1.0	PROVIDE SOUND ATTENUATOR BLANKET & TUC CONTROL BOX.
AH 58	OFFICES, MEETING ROOM & PRINT ROOM	ON ROOF	HORIZONTAL DRAW THRU	TRANE MCC 06	FC	12.25	3000	4.75	3.9	5	460-3	60	1750	512	8	8.75	80	63	55	53.6	0.69	46	58	13.73	1.15	512	2	6	50	88.24	0.15	180	150	8.29	0.22	337	30	9	16x20x2	2400	750	25	INTERNAL	2.5	PROVIDE PREMIUM EFFICIENCY MOTOR & ROOF CURB. SEE DETAIL 13/A7.4B FOR ANCHORAGE & MOUNTING. ~~get detail from trane & req from Susse bolt pattern~~
AH 59	LOUNGE, OFFICE, XEROX, JOB DROP, DARK & SETUP RM	ON ROOF	HORIZONTAL DRAW THRU	TRANE MCC 06	FC	12.25	3000	4.75	3.9	5	460-3	60	1750	512	8	8.75	80	63	55	53.6	0.69	46	58	13.75	1.15	521	2	6	50	88.24	0.15	180	150	8.29	0.22	337	30	9	16x20x2	2400	750	25	INTERNAL	2.5	PROVIDE PREMIUM EFFICIENCY MOTOR & ROOF CURB. " " "
AH 60	PRODUCTION AREA	ON ROOF	HORIZONTAL DRAW THRU	TRANE MCC 06	FC	12.25	3000	4.75	3.9	5	460-3	60	1750	512	8	8.75	80	63	55	53.6	0.69	46	58	13.75	1.15	521	2	6	50	88.24	0.15	180	150	8.29	0.22	337	30	9	16x20x2	2400	750	25	INTERNAL	2.5	PROVIDE PREMIUM EFFICIENCY MOTOR & ROOF CURB. " " "

NOTES ① PER ASHRAE STANDARD 52.1-1992

COMPUTER ROOM AIR CONDITIONING UNIT

SYMBOL	SERVICE	LOCATION	TYPE	DESIGN BASE MANUFACTURER & MODEL	COOLING CAPACITY						FAN			REHEAT		HUMIDIFIER		AIR FILTER		ELECTRICAL ⑥		OPER. WEIGHT (LBS)	VIBRATION ISOLATORS ④		REMARKS
					SENS. (BTUH)	TOTAL (BTUH)	ROOM CONDITIONS		COOLING COIL		TOTAL UNIT CFM	T.S.P (IN.WG)	HP	TYPE	CAPACITY (BTUH)	TYPE	CAPACITY LBS/HR	EFFICIENCY ①	FACE ARE SQ.FT.	UNIT FLA	V-PH		TYPE	DEFLECTION (IN)	
							DB(°F)	%RH	FACE.VEL.(FPM)	#ROWS															
AC 1	COMPUTER ROOM -	COMPUTER ROOM CEILING	DX SPLIT SYSTEM WITH OUTDOOR CONDENSER	LIEBERT MME036E-P01	27400	32200	72	50	480	4	1250	0.3	1/2	ELECTRIC	22100	NONE	-	20%	2.25	27.6	208-1	300	VIBREX HXA ⑥	1.0	C 1 AIR COOLED REMOTE CONDENSER, MODEL # DMC037A FLA = 17 @ 208V - 1Ø - 60 Hz. WEIGHT = 300 LBS. LOCATED ON ROOF. ②③⑤⑥ Leg spacing

① PER ASHRAE STD. 52-76 ② PROVIDE OPTIONAL MICROPROCESSOR CONTROL SYSTEM COMPATIBLE WITH MAIN BUILDING MANAGEMENT SYSTEM ③ PROVIDE PLENUM RATED CONDENSATE PUMP KIT, EXTERNALLY MOUNTED & POWERED THRU UNIT. ④ FOR AC-1 ONLY ⑤ PROVIDE VIBRATION ISOLATOR TYPE VIBREX RMUEQ @ 1.5" STATIC DEFLECTION FOR C-1 ⑥ REFER TO MANUFACTURER'S CATALOG ELECTRICAL DATA TO SIZE ELECTRICAL SYSTEM COMPONENTS.

⑥ SEE DETAILS 2,3 & 6 ON M3.3.

HOT WATER BOILER

SYMBOL	LOCATION	TYPE	DESIGN BASE MANUFACTURER & MODEL	CAPACITY (MBH)		WATER				FUEL			ELECTRICAL		VIBRATION ISOLATORS		OPER WEIGHT (LBS)	REMARKS
				INPUT	OUTPUT	IN (°F)	OUT (°F)	GPM	PD (FT WG)	TYPE	QTY (CFH)	PRESSURE RANGE(IN.WC)	UNIT FLA	V-Ø	TYPE	DFLCT. (IN)		
B 1	MECH. ROOM -	THERMIFIC BOILER	PATTERSON KELLEY CO. N-1500	1500	1275	155	180	102	4.5	NATURAL GAS	490	7-14	12.0	120-1	VIBREX RPG-EQ	.25	1000	PROVIDE WITH BAROMETRIC DAMPER. SEE DETAIL 8/M3.3
B 2	MECH. ROOM -	THERMIFIC BOILER	PATTERSON KELLEY CO. N-1500	1500	1275	155	180	102	4.5	NATURAL GAS	490	7-14	12.0	120-1	VIBREX RPG-EQ	.25	1000	PROVIDE WITH BAROMETRIC DAMPER. SEE DETAIL 8/M3.3

PUMPS

SYMBOL	SYSTEM	LOCATION	TYPE	DESIGN BASE MANUFACTURER & MODEL	GPM	HEAD (FT)	% EFF.	WATER TEMP. (°F)	BHP	MOTOR			OPER. WT. (LBS)	VIBRATION ISOLATORS		REMARKS
										HP	V-Ø	RPM		TYPE	DFLCT. (IN)	
P 1	HEATING HOT WATER	MECHANICAL ROOM -	CLOSE COUPLED END SUCTION	PACO 1595-7	102	86.07	59	200	3.13	5	460-3	1750	200	VIBREX RMSBP	2.5	PROVIDE SEISMICS RESTRAINTS. SEE DETAIL 4/M3.3
P 2	HEATING HOT WATER	MECHANICAL ROOM -	CLOSE COUPLED END SUCTION	PACO 1595-7	102	86.07	59	200	3.13	5	460-3	1750	200	VIBREX RMSBP	2.5	PROVIDE SEISMICS RESTRAINTS. SEE DETAIL 4/M 3.3
P 3	CHILLED WATER SUPPLY	ROOF -	CLOSE COUPLED END SUCTION	PACO 3012-1	340	120.60	72	60	14.38	20	460-3	1750	550	VIBREX RMSBP	2.5	PROVIDE SEISMICS RESTRAINTS. SEE DETAIL 5/M 3.3

EXPANSION TANKS

SYMBOL	SYSTEM	LOCATION	CAPACITY (GALLONS)	SIZE DIA x LENGTH (IN)	SYSTEM VOLUME (GALLONS)	CONST. DESIGN (PSIG)	OPER. WEIGHT (LBS)	REMARKS
ET 1	HEATING HW ~~CHILLED~~ WATER	MECHANICAL ~~WELL~~ ROOM	120	24x65	2000	125	1000	[illegible]

FANS

SYMBOL	SERVICE	LOCATION	TYPE	WHEEL		DESIGN BASE MANUFACTURER & MODEL	CFM	TSP (IN.WG)	BHP	ARR. / CLASS	DRIVE	MOTOR			OPER. WEIGHT (LBS)	VIBRATION ISOLATORS ①		REMARKS
				TYPE	SIZE (IN)							HP	VOLT-PH	RPM		VIBREX TYPE	DEFLECTION (IN)	
EF 1	ROOM NO. 106, 109 & 130	ON ROOF	UTILITY SET	BI	18.25	TWIN CITY BCV 182	3000	2.5	1.7	10 / I	BELT	2	460-3	1750	450	RMSB	1.5	ALL PARTS OF THIS FAN EXPOSED TO THE EXHAUST AIR STREAM TO BE COATED WITH 15 MILS 3M 324 HI-BAKE EPOXY. PROVIDE NON SPARKING WHEEL, EXPLOSION PROOF MOTOR, SEISMIC RESTRAINTS & BACKDRAFT DAMPER. COMPLY WITH UMC 1994 SECTION 503.
EF 2	WEST 1ST FLOOR RELIEF & EXHAUST	ON ROOF	UTILITY SET	BI	20	TWIN CITY BCV 200	3500	1.5	1.22	10 / I	BELT	2	460-3	1750	500	RMSB	1.5	PROVIDE BACKDRAFT DAMPER & SEISMIC RESTRAINT.
EF 3	EAST 1ST FLOOR RELIEF & EXHAUST	ON ROOF	UTILITY SET	BI	20	TWIN CITY BCV 200	3600	1.5	1.22	10 / I	BELT	2	460-3	1750	500	RMSB	1.5	PROVIDE BACKDRAFT DAMPER & SEISMIC RESTRAINT.
EF 4	NORTH 2ND FLOOR RELIEF & EXHAUST	ON ROOF	UTILITY SET	BI	20	TWIN CITY BCV 200	3250	1.5	1.22	10 / I	BELT	2	460-3	1750	500	RMSB	1.5	PROVIDE BACKDRAFT DAMPER & SEISMIC RESTRAINT.
EF 5	SOUTH 2ND FLOOR RELIEF & EXHAUST	ON ROOF	UTILITY SET	BI	20	TWIN CITY BCV 200	3250	1.5	1.22	10 / I	BELT	2	460-3	1750	500	RMSB	1.5	PROVIDE BACKDRAFT DAMPER & SEISMIC RESTRAINT.
EF 6	EAST 2ND FLOOR RELIEF & EXHAUST	ON ROOF	UTILITY SET	BI	20	TWIN CITY BCV 200	3250	1.5	1.22	10 / I	BELT	2	460-3	1750	500	RMSB	1.5	PROVIDE BACKDRAFT DAMPER & SEISMIC RESTRAINT.
EF 7	CHEMISTRY LAB-A 227	ON ROOF	UTILITY SET	BI	24.5	TWIN CITY BCV 222	4000	1.5	1.36	10 / I	BELT	2	460-3	1750	600	RMSB	1.5	ALL PARTS OF THIS FAN EXPOSED TO THE EXHAUST AIR STREAM TO BE COATED WITH 15 MILS 3M 324 HI-BAKE EPOXY. PROVIDE NON SPARKING WHEEL, EXPLOSION PROOF MOTOR, SEISMIC RESTRAINTS & BACKDRAFT DAMPER. COMPLY WITH UMC 1994 SECTION 503.
EF 8	CHEMISTRY LAB-B 230	ON ROOF	UTILITY SET	BI	24.5	TWIN CITY BCV 222	4000	1.5	1.36	10 / I	BELT	2	460-3	1750	600	RMSB	1.5	ALL PARTS OF THIS FAN EXPOSED TO THE EXHAUST AIR STREAM TO BE COATED WITH 15 MILS 3M 324 HI-BAKE EPOXY. PROVIDE NON SPARKING WHEEL, EXPLOSION PROOF MOTOR, SEISMIC RESTRAINTS & BACKDRAFT DAMPER. COMPLY WITH UMC 1994 SECTION 503.
EF 9	CHEMISTRY PRP. STORAGE 228	ON ROOF	UTILITY SET	BI	13.5	TWIN CITY BCV 135	850	0.75	0.15	10 / I	BELT	1/4	120-1	1750	200	RMSB	1.5	ALL PARTS OF THIS FAN EXPOSED TO THE EXHAUST AIR STREAM TO BE COATED WITH 15 MILS 3M 324 HI-BAKE EPOXY. PROVIDE NON SPARKING WHEEL, EXPLOSION PROOF MOTOR, SEISMIC RESTRAINTS & BACKDRAFT DAMPER. COMPLY WITH UMC 1994 SECTION 503.
EF 10	CHEMICAL STORAGE	ON ROOF	UTILITY SET	BI	9.19	TWIN CITY FCJ 90	350	0.75	0.14	10 / I	BELT	1/4	120-1	1750	130	RMSB	1.5	ALL PARTS OF THIS FAN EXPOSED TO THE EXHAUST AIR STREAM TO BE COATED WITH 15 MILS 3M 324 HI-BAKE EPOXY. PROVIDE NON SPARKING WHEEL, CLASS ONE, DIVISION ONE EXPLOSION PROOF MOTOR, SEISMIC RESTRAINTS & BACKDRAFT DAMPER - COMPLY WITH UMC 1994 SECTION 503.
EF 11	DARK ROOM & SETUP ROOM	ON ROOF	UTILITY SET	BI	10.5	TWIN CITY BCJ 105	700	0.75	0.17	10 / I	BELT	1/4	120-1	1750	130	RMSB	1.5	PROVIDE BACKDRAFT DAMPER & SEISMIC RESTRAINT.
EF 12	TOILET -	ABOVE CEILING	CEILING CABINET	-	-	COOK GC-240	90	0.25	-	- / -	DIRECT	0.01	120-1	1200	30	HXA	1.0	PROVIDE BACKDRAFT DAMPER & ROOF CAP.
EF 13	TOILET -	ABOVE CEILING	CEILING CABINET	-	-	COOK GC-240	90	0.25	-	- / -	DIRECT	0.01	120-1	1200	30	HXA	1.0	PROVIDE BACKDRAFT DAMPER & ROOF CAP.
EF 14	AH-58	ON ROOF	CENTRIFUGAL ROOF EXHAUSTER	-	-	COOK ACE-D 120	1500	0.625	0.35	- / -	DIRECT	1/3	120-1	1750	120	-	-	PROVIDE ROOF CURB & BACK DRAFT DAMPER.
EF 15	AH-59	ON ROOF	CENTRIFUGAL ROOF EXHAUSTER	-	-	COOK ACE-D 120	1500	0.625	0.35	- / -	DIRECT	1/3	120-1	1750	120	-	-	PROVIDE ROOF CURB & BACK DRAFT DAMPER. A05
EF 16	AH-60	ON ROOF	CENTRIFUGAL ROOF EXHAUSTER	-	-	COOK ACE-D 120	1500	0.625	0.35	- / -	DIRECT	1/3	120-1	1750	120	-	-	PROVIDE ROOF CURB & BACKDRAFT DAMPER. A05
EF 17	ROOM NO. 107	ON ROOF	UTILITY SET	BI	9.19	TWIN CITY FCJ 90	500	1.5	0.14	10 / I	BELT	1/3	120-1	1750	130	RMSB	1.5	ALL PARTS OF THIS FAN EXPOSED TO THE EXHAUST AIR STREAM TO BE 15 MILS 3M 324 HI-BAKE EPOXY. PROVIDE NON SPARKING WHEEL, EXPLOSION PROOF MOTOR, SEISMIC RESTRAINT & BACKDRAFT DAMPER. COMPLY WITH UMC 1994 SECTION 503.
EF 18	SOLVENT ROOM	ON ROOF	UTILITY SET	BI	7.69	TWIN CITY FCJ 75	200	0.75	0.10	10 / I	BELT	0.25	120-1	1750	130	RMSB	1.5	ALL PARTS OF THIS FAN EXPOSED TO THE EXHAUST AIR STREAM TO BE 15 MILS 3M 324 HI-BAKE EPOXY. PROVIDE NON SPARKING WHEEL, EXPLOSION PROOF MOTOR, SEISMIC RESTRAINT & BACKDRAFT DAMPER. COMPLY WITH UMC 1994 SECTION 503.

① SEE DETAILS 7/M3.3, 1/M3.2 & 9/M3.3

VARIABLE AIR VOLUME TERMINAL UNITS

(WITHOUT REHEAT COILS)

SYMBOL	CFM RANGE		TYPE	DESIGN BASE MANUFACTURER MODEL & SIZE	STATIC PD ① (IN WG)	SOUND LEVEL IN NC ②	INLET DUCT (IN)	TOTAL WEIGHT	REMARKS
	MAX	MIN ③							
V 1	225	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.52	40	4	50	TERMINAL AND SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL AND SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS. WITH SOUND ATTENUATOR.
V 2	320	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.51	40	5	50	TERMINAL AND SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL AND SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS. WITH SOUND ATTENUATOR.
V 3	450	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.50	40	6	50	TERMINAL AND SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL AND SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS. WITH SOUND ATTENUATOR.
V 4	650	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.45	40	7	65	TERMINAL AND SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL AND SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS. WITH SOUND ATTENUATOR.
V 5	800	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.38	40	8	65	TERMINAL AND SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL AND SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS. WITH SOUND ATTENUATOR.
V 6	1050	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.42	40	9	75	TERMINAL AND SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL AND SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS. WITH SOUND ATTENUATOR.
V 7	1350	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.42	40	10	85	TERMINAL AND SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL AND SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS. WITH SOUND ATTENUATOR.
V 8	2100	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.47	40	12	85	TERMINAL AND SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL AND SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS. WITH SOUND ATTENUATOR.
V 9	3200	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.57	40	14	100	TERMINAL AND SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL AND SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS. WITH SOUND ATTENUATOR.

① MAXIMUM ALLOWABLE PD @ MAXIMUM CFM CAPACITY ② MAXIMUM ALLOWABLE NC @ MAXIMUM CFM CAPACITY

③ SEE CONTROL SYSTEM SEQUENCE OF OPERATION FOR MINIMUM SEETING REQUIRED FOR THIS PROJECT. THE MINIMUM VALUE INDICATED IS FOR CAPICITY OF THE TERMINAL ONLY.

VARIABLE AIR VOLUME TERMINAL UNITS

(WITH REHEAT COILS)

SYMBOL	CFM RANGE		TYPE	DESIGN BASE MANUFACTURER MODEL & SIZE	STATIC PD ① (IN WG)	SOUND LEVEL IN NC ②	INLET DUCT (IN)	HEATING COIL ④				BRANCH PIPE (IN)	TOTAL WEIGHT	REMARKS
	MAX	MIN ⑤						MBH	GPM	WATER PD (FT WG)	NO. OF ROWS			
VH 1	225	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.52	40	4	8.0	0.5	0.2	1	3/4	65	TERMINAL & SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL & SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS WITH SOUND ATTENUATOR.
VH 2	320	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.51	40	5	9.6	0.5	0.2	1	3/4	65	TERMINAL & SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL & SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS WITH SOUND ATTENUATOR.
VH 3	450	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.50	40	6	10.3	0.5	0.2	1	3/4	65	TERMINAL & SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL & SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS WITH SOUND ATTENUATOR.
VH 4	650	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.45	40	7	15.1	1.0	0.44	1	3/4	70	TERMINAL & SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL & SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS WITH SOUND ATTENUATOR.
VH 5	800	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.38	40	8	16.8	1.0	0.44	1	3/4	70	TERMINAL & SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL & SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS WITH SOUND ATTENUATOR.
VH 6	1050	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.42	40	9	23.9	2.0	0.3	1	1	80	TERMINAL & SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL & SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS WITH SOUND ATTENUATOR.
VH 7	1350	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.42	40	10	27.0	2.0	0.3	1	1	110	TERMINAL & SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL & SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS WITH SOUND ATTENUATOR.
VH 8	2100	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.47	40	12	41.1	4.0	1.34	1	1	125	TERMINAL & SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL & SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS WITH SOUND ATTENUATOR.
VH 9	3200	0	SINGLE DUCT PRESSURE INDEPENDENT	KRUEGER LMHS	0.57	40	14	62.2	6.0	3.78	1	1	135	TERMINAL & SOUND ATTENUATOR TO BE DOUBLE WALL. TERMINAL & SOUND ATTENUATOR TO BE FOIL LINED. PROVIDE A MINIMUM OF 3 DUCT DIAMETERS OF STRAIGHT DUCT RUN TO INLET OF TERMINALS WITH SOUND ATTENUATOR.

① MAXIMUM ALLOWABLE PD @ MAXIMUM CFM CAPACITY ② MAXIMUM ALLOWABLE NC @ MAXIMUM CFM CAPACITY

③ SEE CONTROL SYSTEM SEQUENCE OF OPERATION FOR MINIMUM SETTING REQUIRED FOR THIS PROJECT. THE MINIMUM VALUE INDICATED IS FOR CAPACITY OF THE TERMINAL ONLY.

④ CAPACITY @ 30% AIR FLOW BASED ON 200°F ENTERING WATER & 55°F ENTERING AIR TEMPERATURES.

PLOT DATE: 3/5/98

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310-202-0678 FAX

SEAL

JAMES H. SHWE
No. 26903
Exp: 9/30/98
MECHANICAL

MORRIS H. POINDEXTER
3-31-99
RENEWAL DATE

MAROKO & ASSOCIATES
Mechanical Engineers
12517 CHANDLER BOULEVARD
VALLEY VILLAGE, CA 91607
(818) 760-7300
FAX(818) 760-4645

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

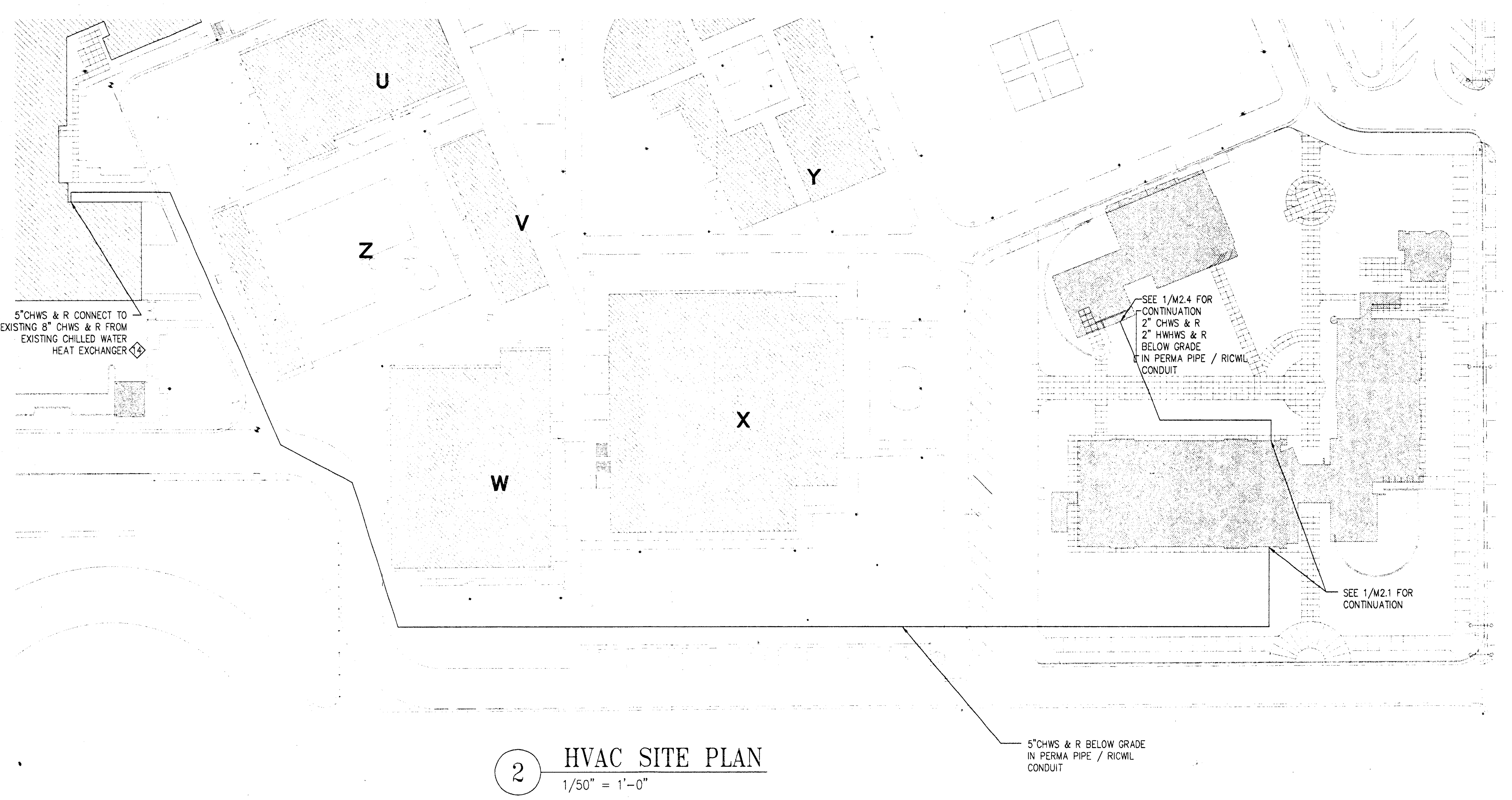
SHEET TITLE

SCHEDULES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ____ FLS ____ SS [illegible]
3-10-98

FILE:
SCALE NOT TO SCALE
JOB NO. JGM
DATE

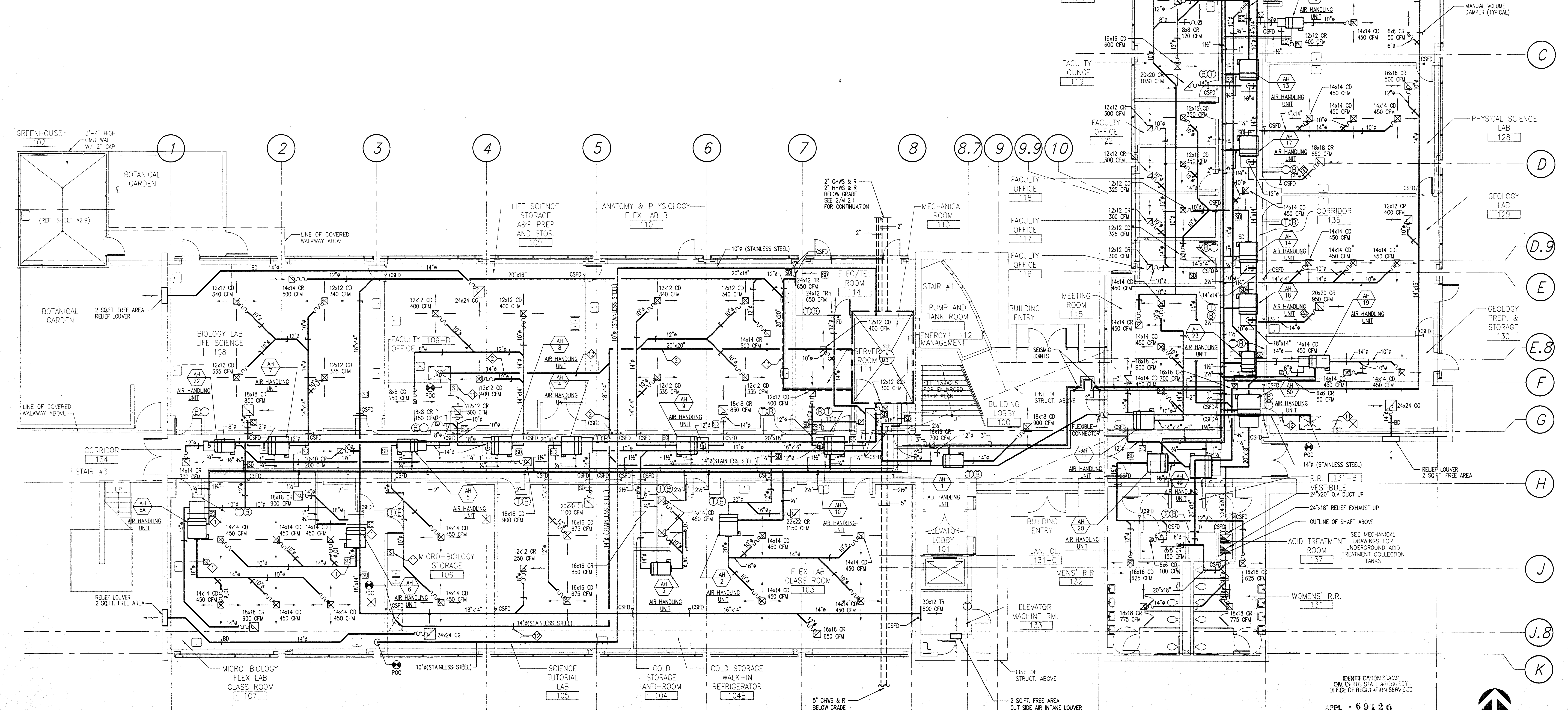
SHEET NO.
M1.2
OF 14 SHEETS



② HVAC SITE PLAN
1/50" = 1'-0"

HVAC NOTES:

1. SMOKE DETECTOR. SEE ELECTRICAL DRAWINGS FOR CONTINUATION. (TYPICAL)
2. STAINLESS STEEL DUCT
3. FAN SECTION (TYPICAL)
4. COILS SECTION (TYPICAL)
5. FILTER SECTION (TYPICAL)
6. CONTROL & WIRING BOX (TYPICAL)
7. SERVICE CLEARANCE (TYPICAL)
8. SHEET METAL PLENUM (TYPICAL)
9. CONDENSATE DRAIN & OVERFLOW DRAIN SEE PLUMBING DRAWINGS FOR CONTINUATION. (TYPICAL)
10. PROVIDE 1" LINING FOR ALL SUPPLY & RETURN AIR DUCTWORK FROM AIR HANDLING UNITS.
11. EMERGENCY EVACUATION SWITCH FOR EF-1.
12. BALANCE FOR 900 CFM
13. PROVIDE 2" DUCT LINING & WRAP EXTERNAL OF DUCT WITH 1½" INSULATION & ⅝" GYPSUM BOARD FOR SOUND ATTENUATION. 1½" INSULATION & ⅝" GYPSUM BOARD FOR SOUND ATTENUATION.
14. PROVIDE ADDITIONAL PLATES FOR EXISTING HEAT EXCHANGER TO BRING HEAT TRANSFER CAPACITY UP TO 400 TONS.



① FIRST FLOOR PLAN
1/8" = 1'-0"

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES

APPL · 69120

AC _____ FLS _____ SS vw lu
3.20.98

Jenkins/Gales & Martinez, Inc.
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DRAWN	WMA
CHECKED	JS
APPROVED	

CONSULTANT

CIVIL:
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213-382-2669 FAX

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SEAL

JAMES H. SHWE
No. 26903
Exp: 9/30/98
MECHANICAL

MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

MAROKO & ASSOCIATES
Mechanical Engineers
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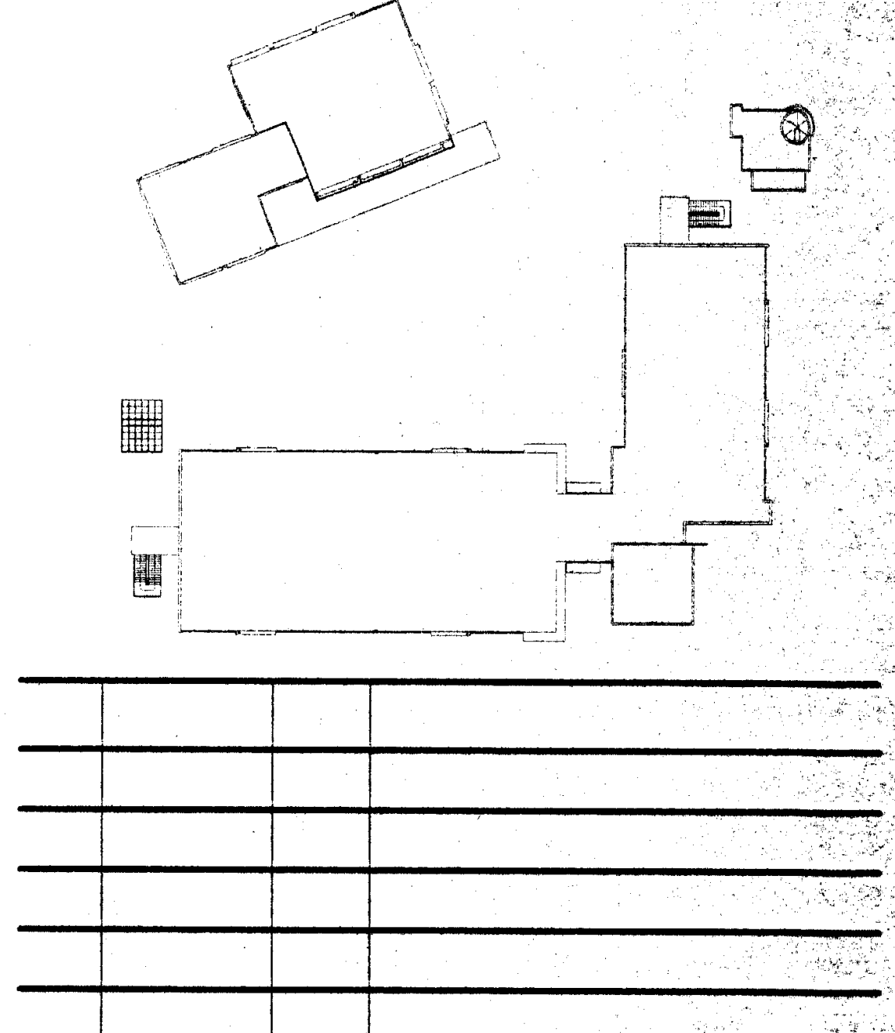
FAX(818) 760-4645

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

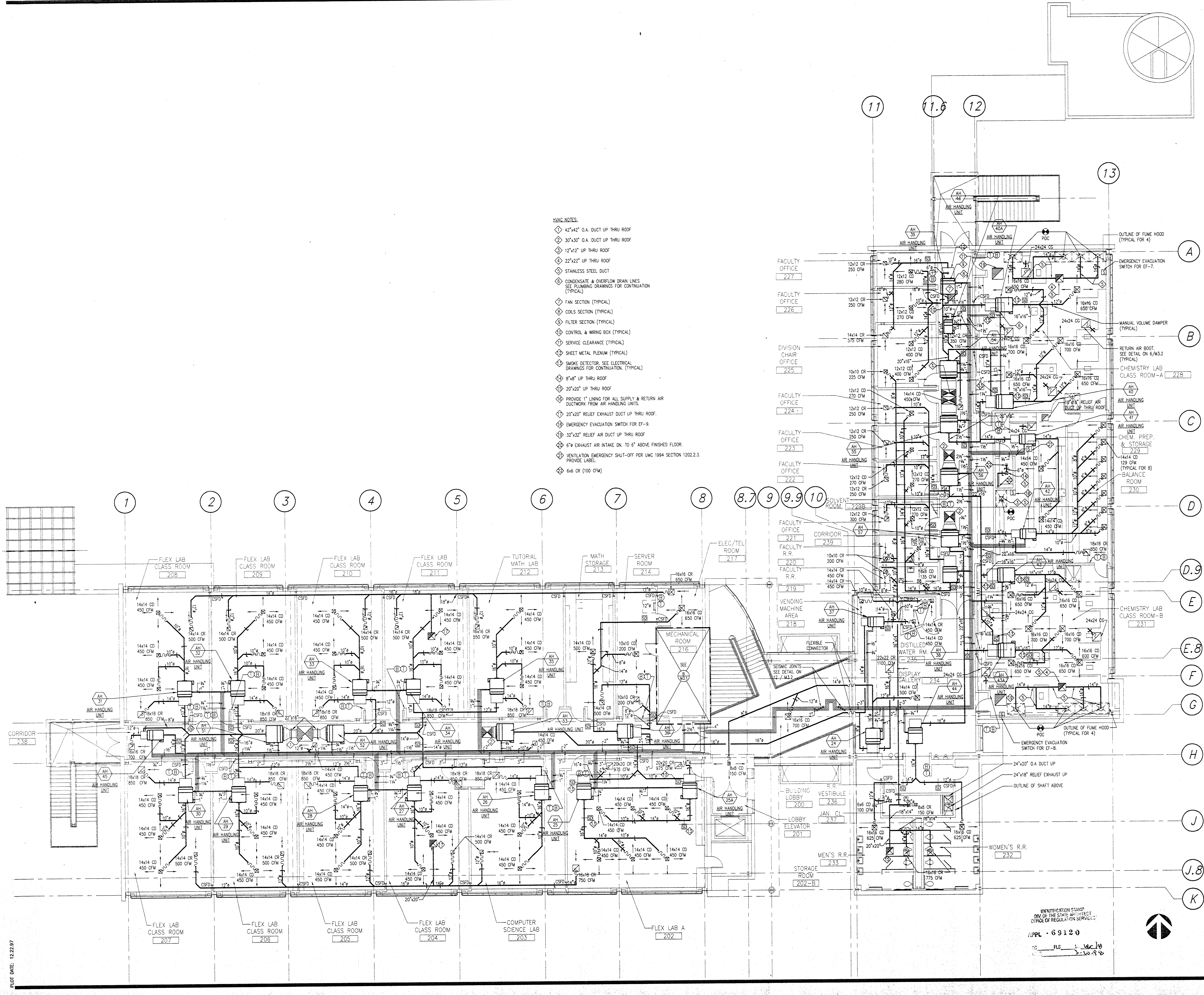
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATCH SCIENCE
BUILDING FIRST
FLOOR PLAN

FILE:	
SCALE	1/8" = 1'-0"
JOB NO.	JGM
DATE	

SHEET NO.
M2.1
OF 14 SHEETS

97120M21.DWG UPDATE: 12/22/97



HVAC NOTES:

1. 42"x42" O.A. DUCT UP THRU ROOF
2. 30"x30" O.A. DUCT UP THRU ROOF
3. 12"x12" UP THRU ROOF
4. 22"x22" UP THRU ROOF
5. STAINLESS STEEL DUCT
6. CONDENSATE & OVERFLOW DRAIN LINES SEE PLUMBING DRAWINGS FOR CONTINUATION (TYPICAL)
7. FAN SECTION (TYPICAL)
8. COILS SECTION (TYPICAL)
9. FILTER SECTION (TYPICAL)
10. CONTROL & WIRING BOX (TYPICAL)
11. SERVICE CLEARANCE (TYPICAL)
12. SHEET METAL PLENUM (TYPICAL)
13. SMOKE DETECTOR. SEE ELECTRICAL DRAWINGS FOR CONTINUATION. (TYPICAL)
14. 8"x8" UP THRU ROOF
15. 20"x20" UP THRU ROOF
16. PROVIDE 1" LINING FOR ALL SUPPLY & RETURN AIR DUCTWORK FROM AIR HANDLING UNITS.
17. 20"x20" RELIEF EXHAUST DUCT UP THRU ROOF.
18. EMERGENCY EVACUATION SWITCH FOR EF-9.
19. 32"x32" RELIEF AIR DUCT UP THRU ROOF
20. 6"ø EXHAUST AIR INTAKE DN. TO 6" ABOVE FINISHED FLOOR.
21. VENTILATION EMERGENCY SHUT-OFF PER UMC 1994 SECTION 1202.2.3. PROVIDE LABEL.
22. 6x6 CR (100 CFM)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ____ FLS ____ S. Wc/18
DATE 3-20-98

PLOT DATE: 12.22.97

JGM
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SEAL
JAMES H. SHWE
No. 26903
Exp: 9/30/98
MECHANICAL

MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

MAROKO & ASSOCIATES
Mechanical Engineers
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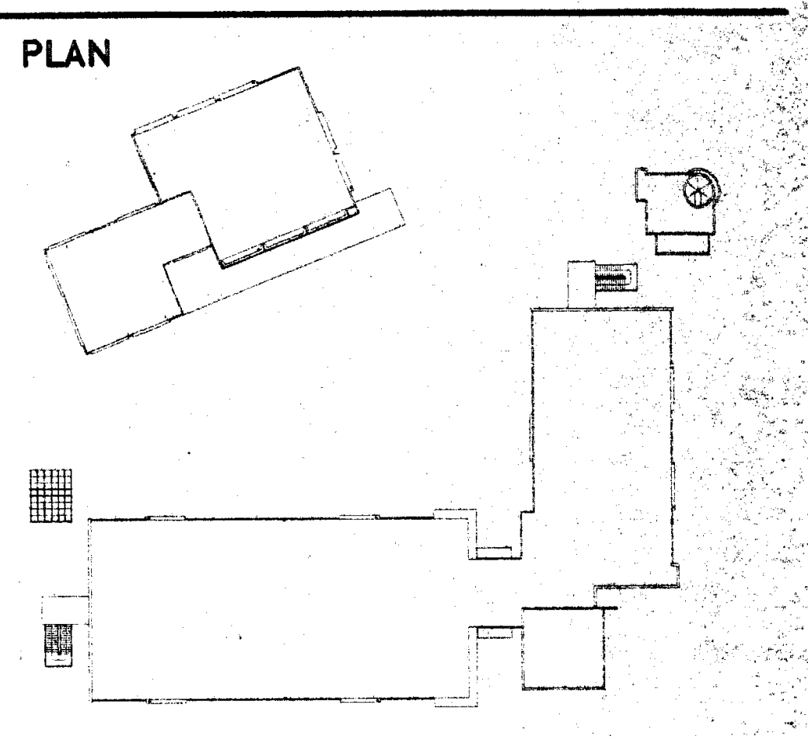
KEY PLAN



NO.	DATE	BY	REVISION

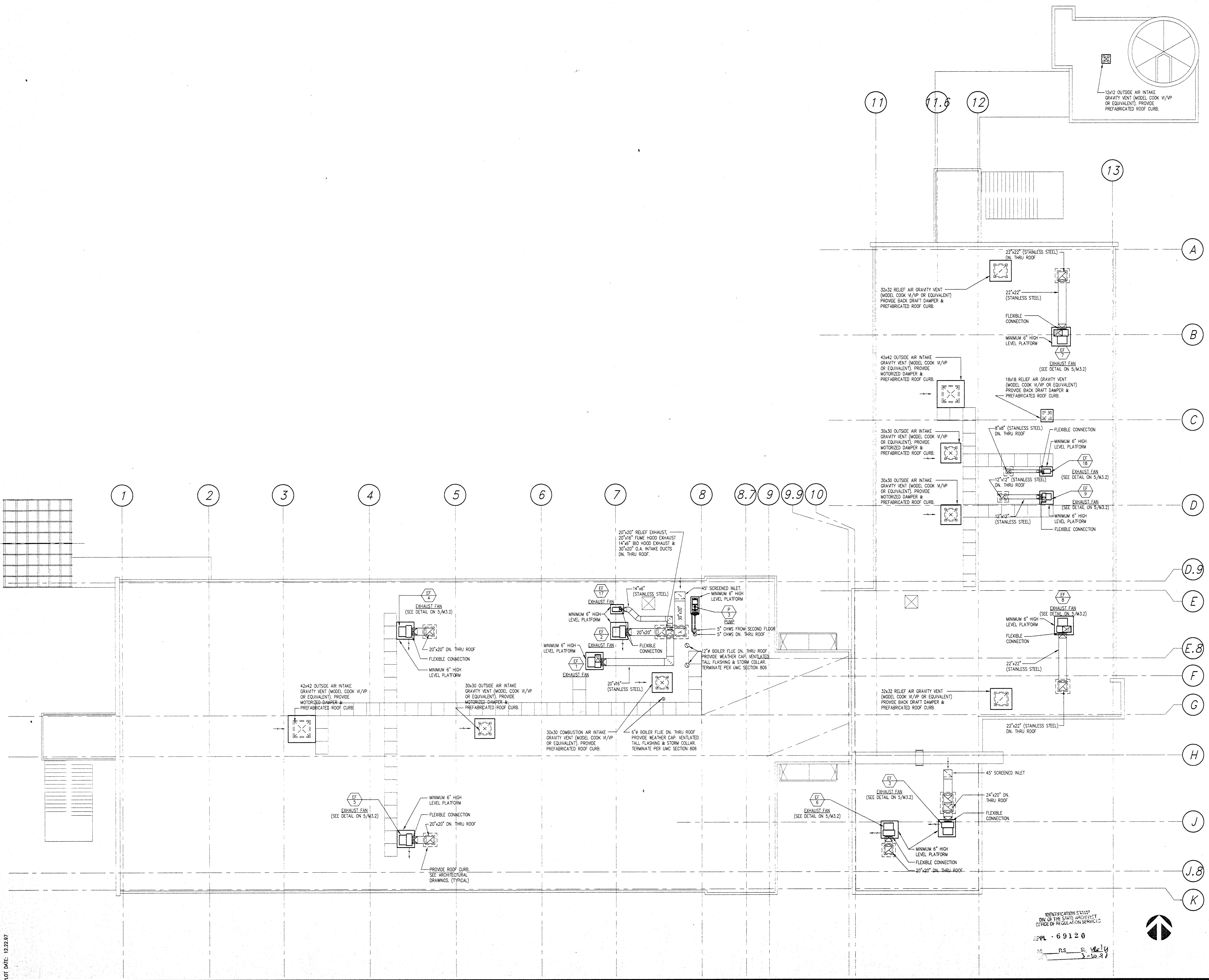
PROJECT
HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATCH SCIENCE
BUILDING SECOND
FLOOR PLAN

FILE:
SCALE
JOB NO.
DATE
SHEET NO.
M2.2
OF 14 SHEETS

97120M21.DWG UPDATE: 12/22/97



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ____ FLS ____ SS Wely
3-10-98

PLOT DATE: 12.22.97

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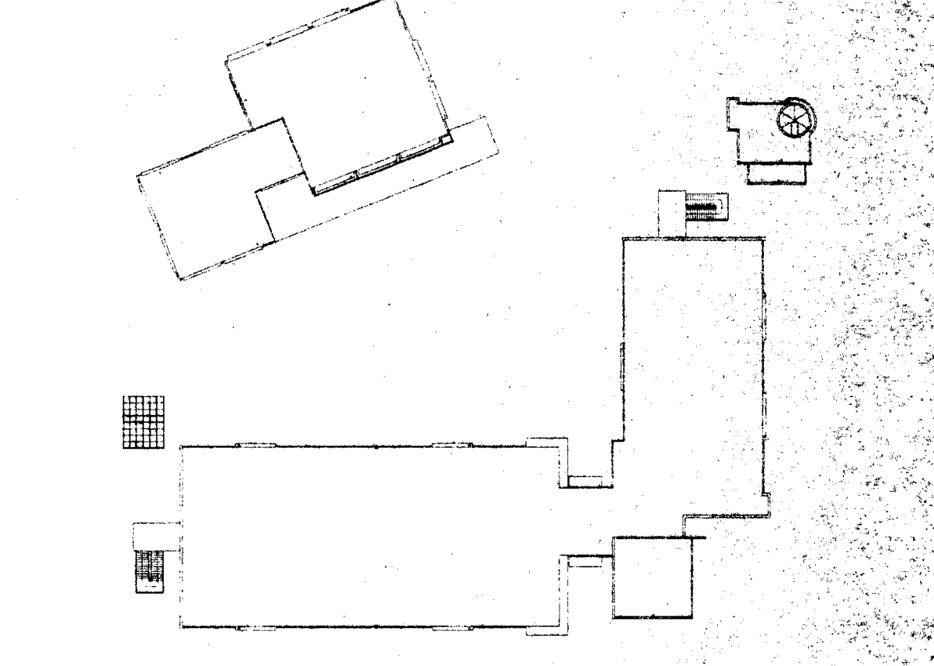
SEAL
JAMES H. SHWE
No. 26903
Exp: 9/30/98
MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

MAROKO & ASSOCIATES
Mechanical Engineers
12517 CHANDLER BOULEVARD
VALLEY VILLAGE, CA 91607
(818) 760-7300
FAX(818) 760-4645

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

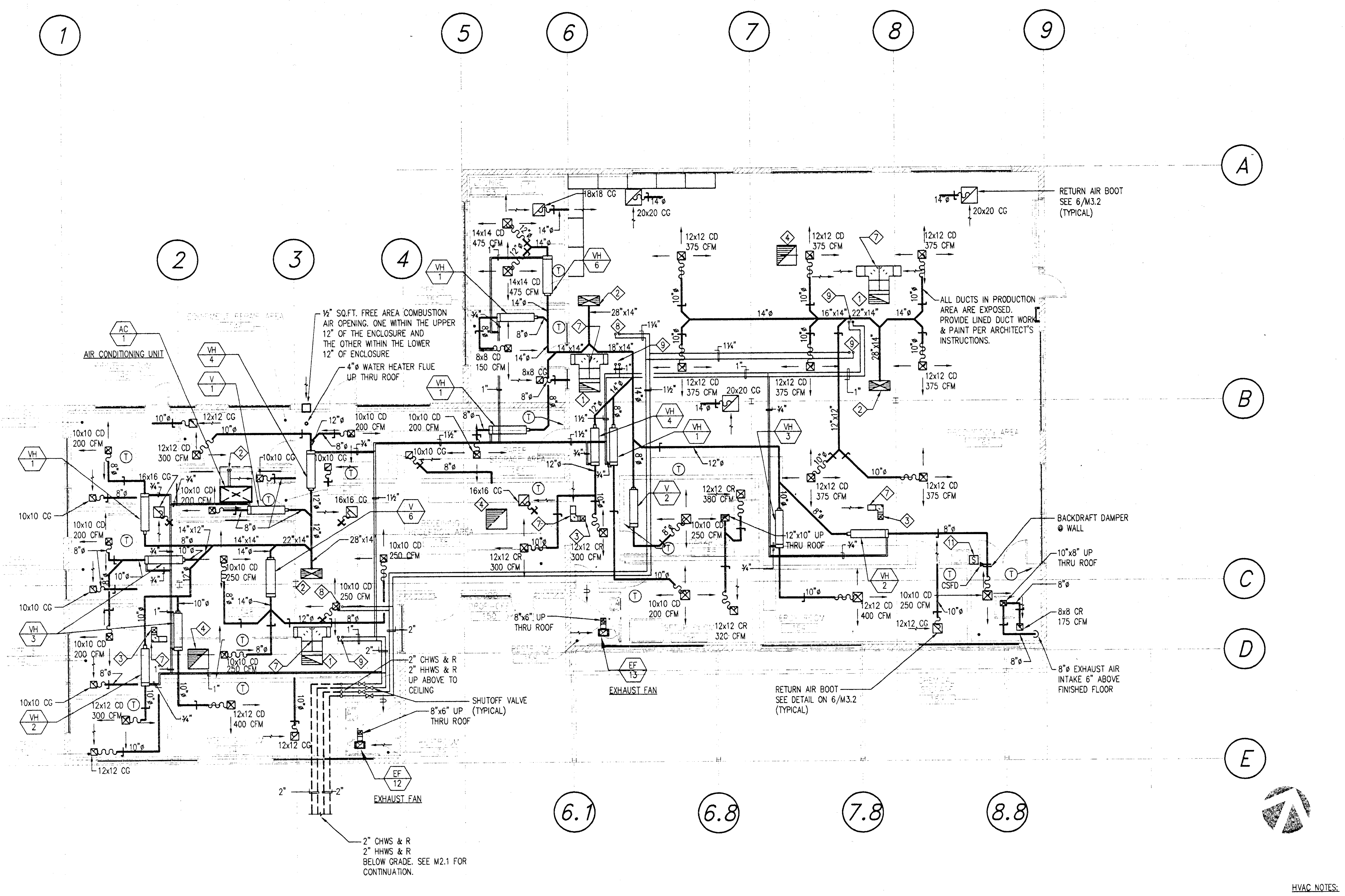
HEALTH & SAFETY
MATH-SCIENCE BUILDING

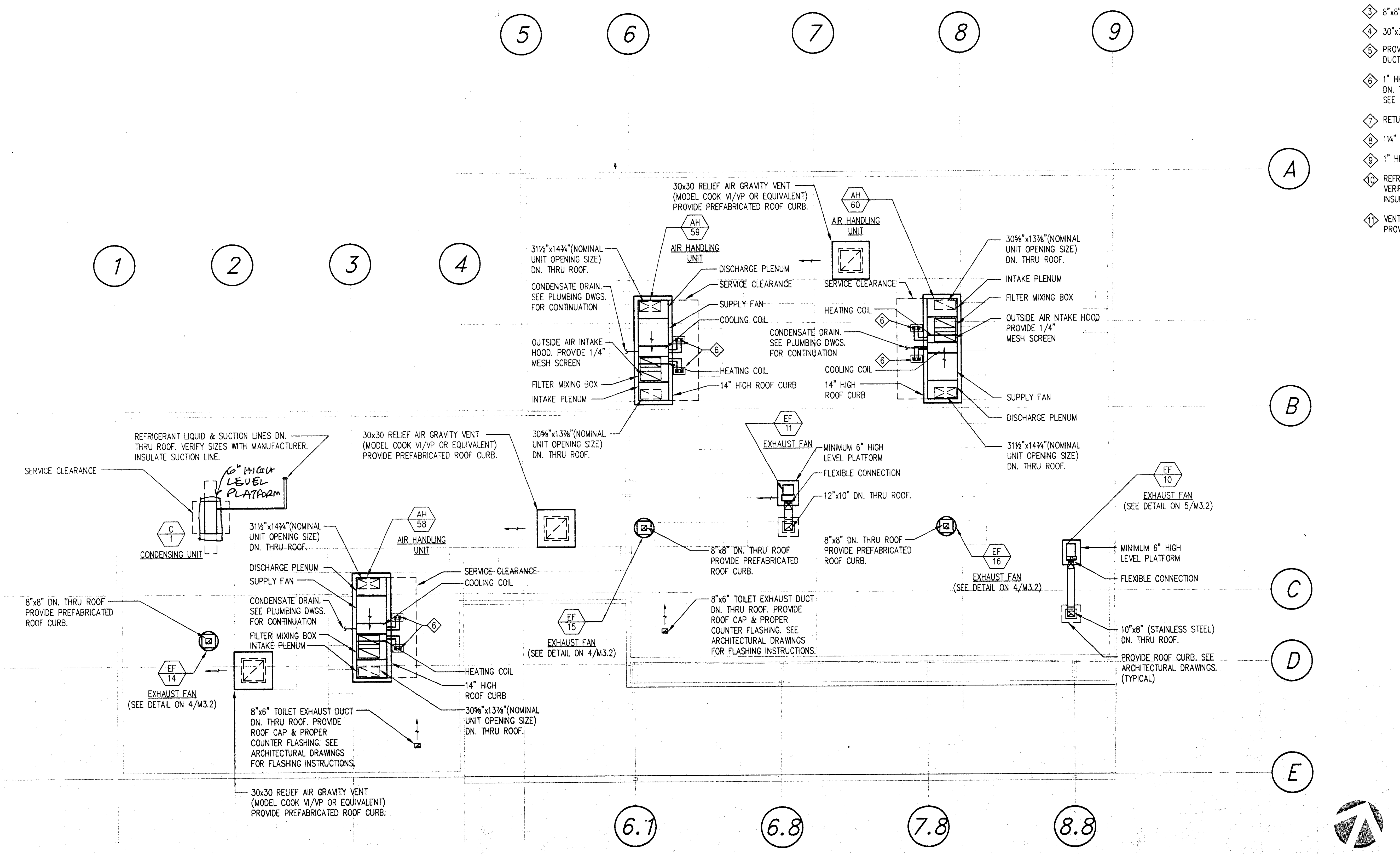
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE
BUILDING
ROOF PLAN

FILE:
SCALE 1/8" = 1'-0"
JOB NO. JGM
DATE
SHEET NO.
M2.3
OF 14 SHEETS

97120M23 12/22/97





HVAC NOTES:

1. 30⅝"x13⅞"(NOMINAL UNIT OPENING SIZE) UP THRU ROOF.
2. 31½"x14¾"(NOMINAL UNIT OPENING SIZE) UP THRU ROOF.
3. 8"x8" UP THRU ROOF
4. 30"x30" UP THRU ROOF
5. PROVIDE 1" LINING FOR ALL SUPPY & RETURN AIR DUCTWORK FROM AIR HANDLING UNITS.
6. 1" HHWS & R, 1¼" CHWS & R PIPES DN. THRU ROOF. PROVIDE PROPER COUNTER FLASHING. SEE ARCHITECTURAL DRAWINGS FOR FLASHING INSTRUCTION.
7. RETURN AIR DUCT ABOVE CEILING
8. 1¼" CHWS & R UP THRU ROOF.
9. 1" HHWS & R UP THRU ROOF.
10. REFRIGERANT LIQUID & SUCTION LINES UP THRU ROOF. VERIFY SIZES WITH MANUFACTURER. INSULATE SUCTION LINE.
11. VENTILATION EMERGENCY SHUT-OFF PER UMC 1994 SECTION 1202.2.3. PROVIDE LABEL.

PLOT DATE: 12.22.97

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CULVER CITY, CA. 90232
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310-202-0678 FAX

SEAL

JAMES H. SHWE
No. 26903
Exp: 9/30/98

MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

MAROKO & ASSOCIATES
Mechanical Engineers
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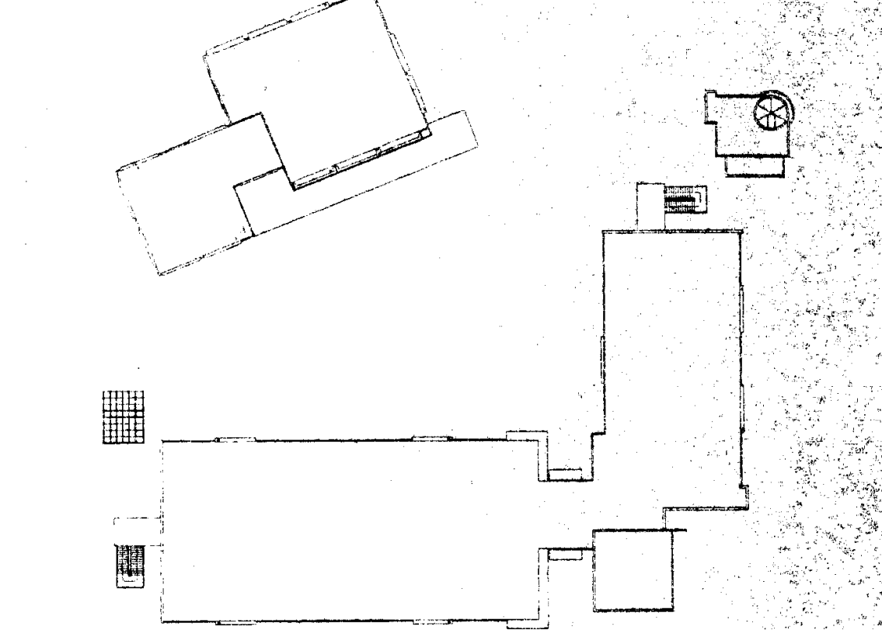
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY MATH-SCIENCE BUILDING

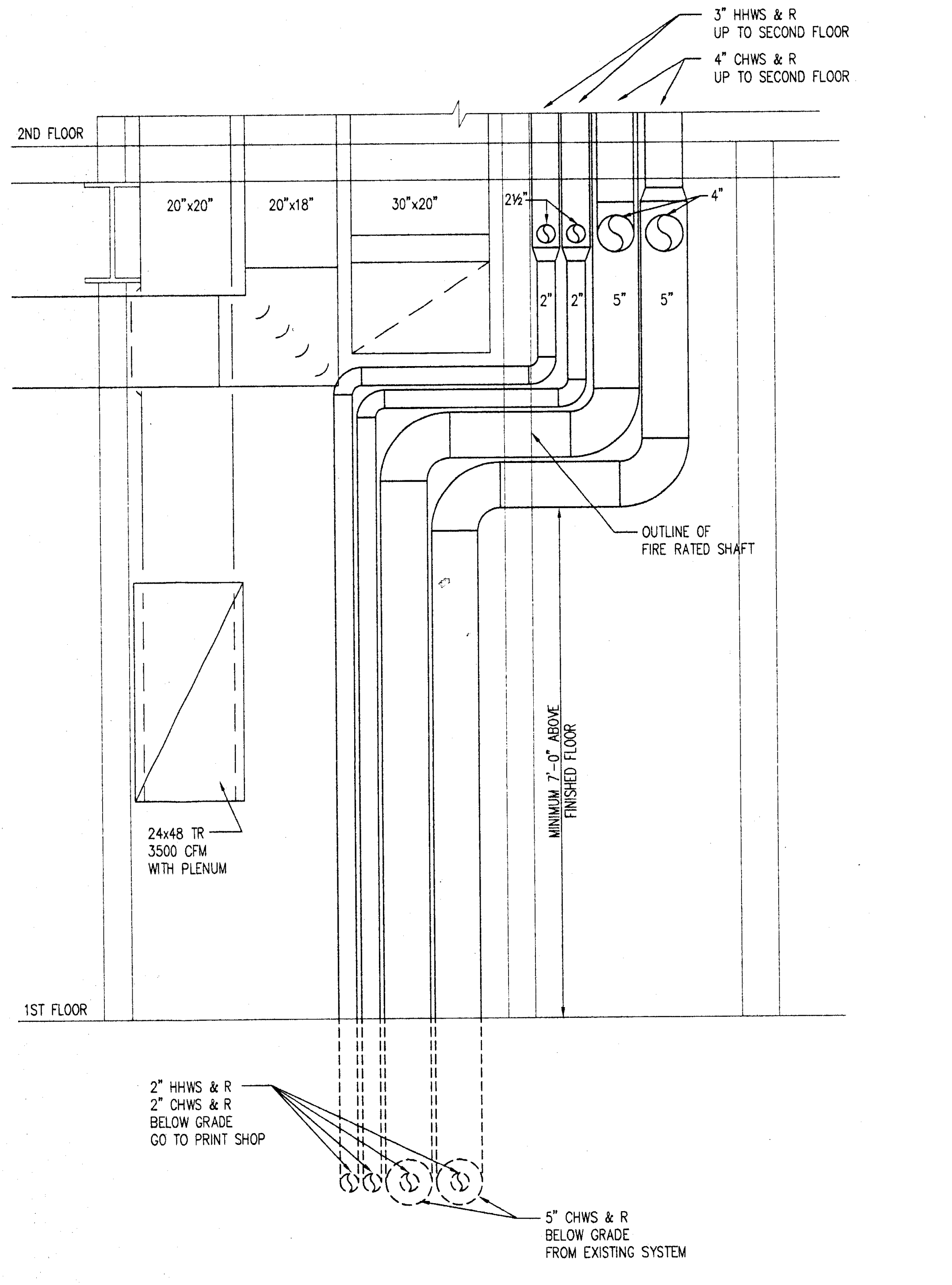
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MIS/PRINT SHOP BUILDING PIRST FLOOR PLAN + ROOF PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC____ FLS____ SS UG 1 LJ
3-20-98

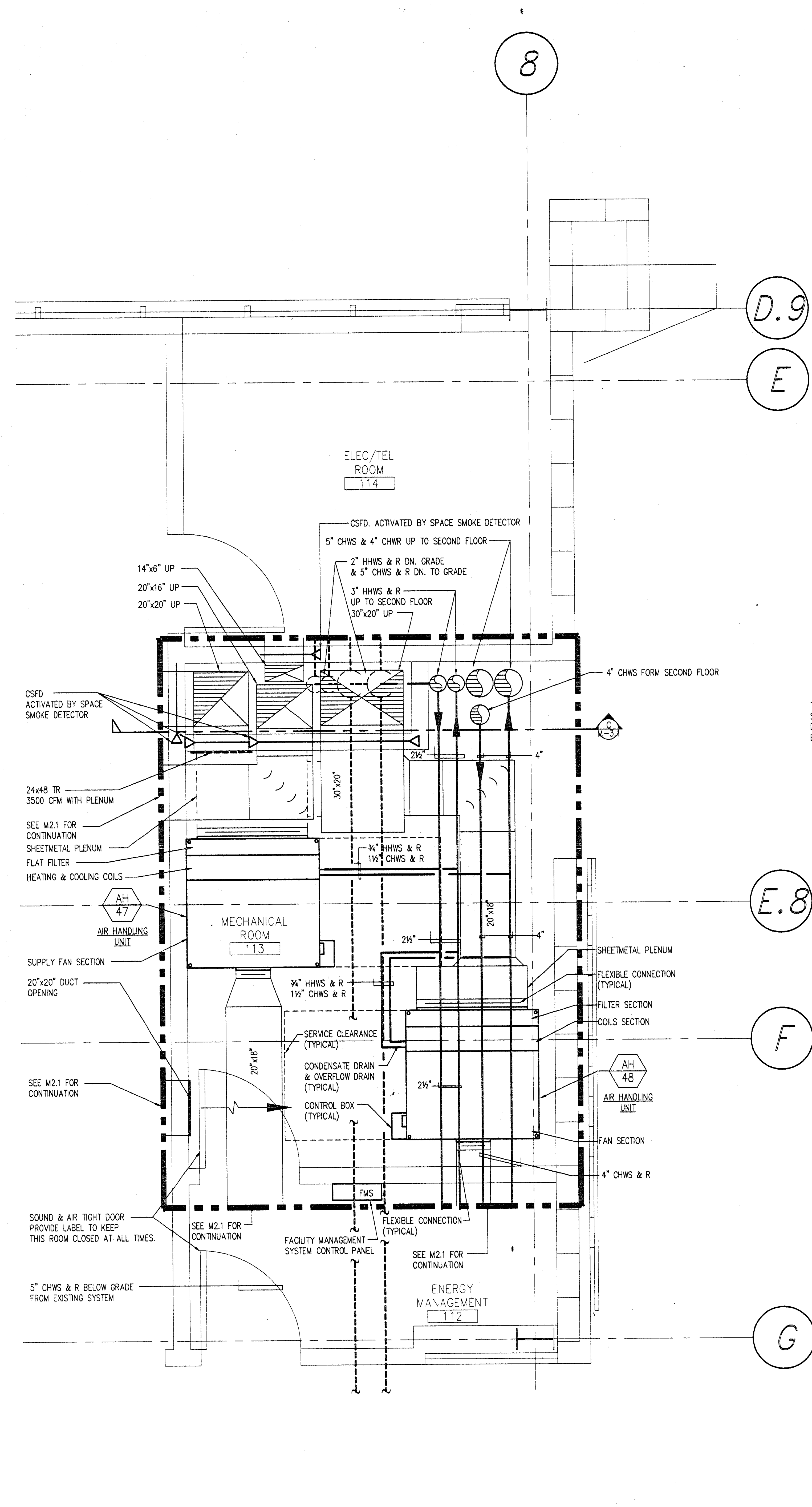
FILE:		SHEET NO.
SCALE	1/8" = 1'-0"	M2.4
JOB NO.	JGM	
DATE		OF 13 SHEETS

97120M24.DWG UPDATE: 01/26/98



C MECHANICAL SHAFT SECTION @ ROOM 113

1/2" = 1'-0"



A FIRST FLOOR MECHANICAL ROOM

1/2" = 1'-0"

NORTH

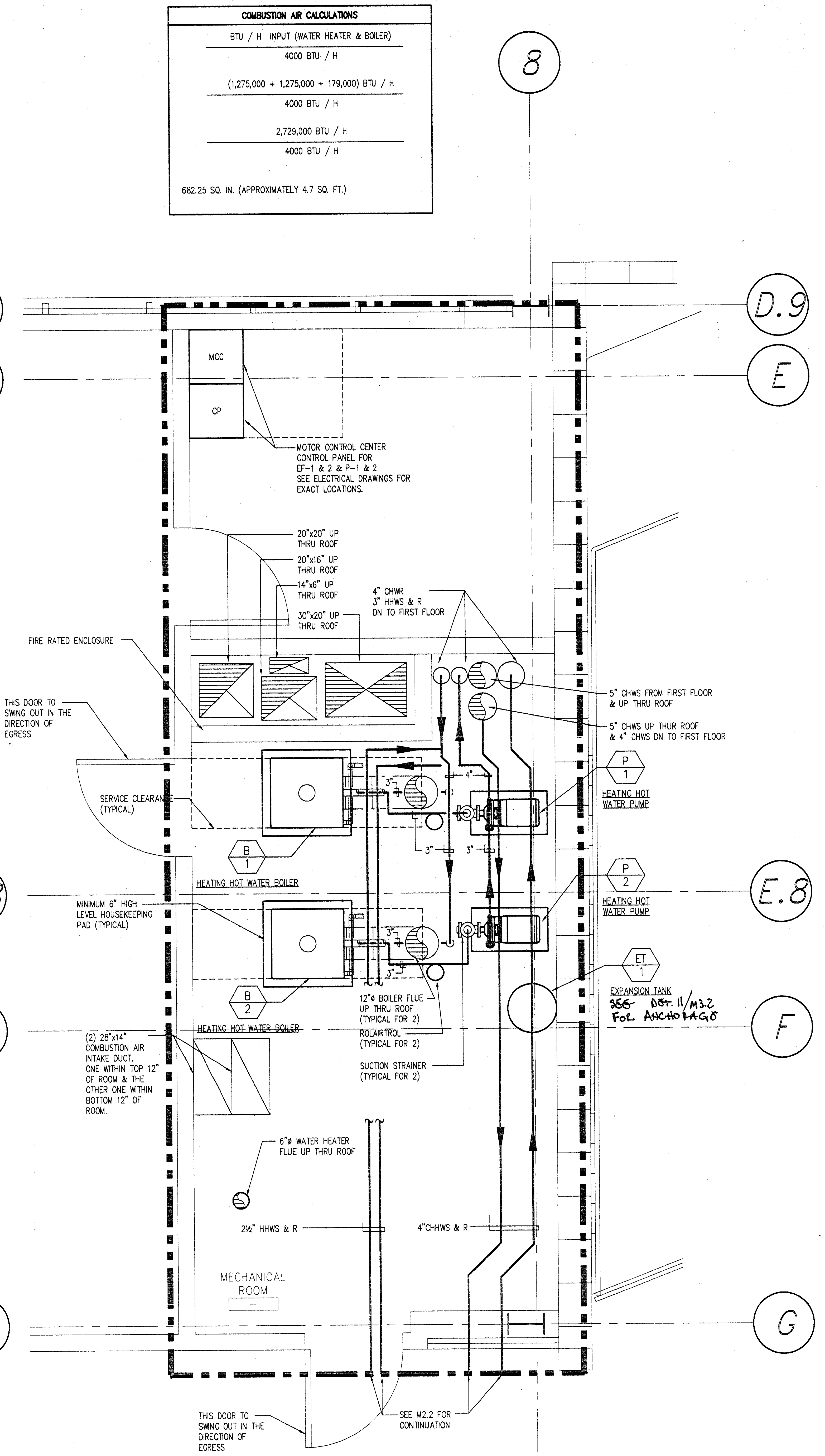
COMBUSTION AIR CALCULATIONS

BTU / H INPUT (WATER HEATER & BOILER) / 4000 BTU / H

(1,275,000 + 1,275,000 + 179,000) BTU / H / 4000 BTU / H

2,729,000 BTU / H / 4000 BTU / H

682.25 SQ. IN. (APPROXIMATELY 4.7 SQ. FT.)



B SECOND FLOOR MECHANICAL ROOM

1/2" = 1'-0"

NORTH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
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3-20-98

PLOT DATE: 12.21.97

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SEAL

JAMES H. SHWE
No. 26903
Exp: 9/30/98

MORRIS R. POINDEXTER
C-13802
9-30-99
RENEWAL DATE

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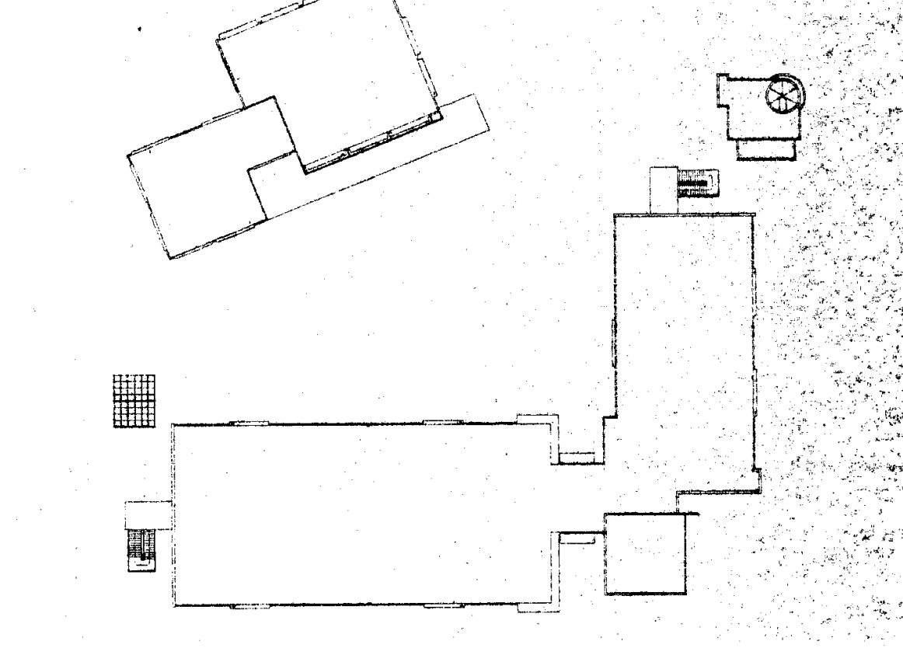
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

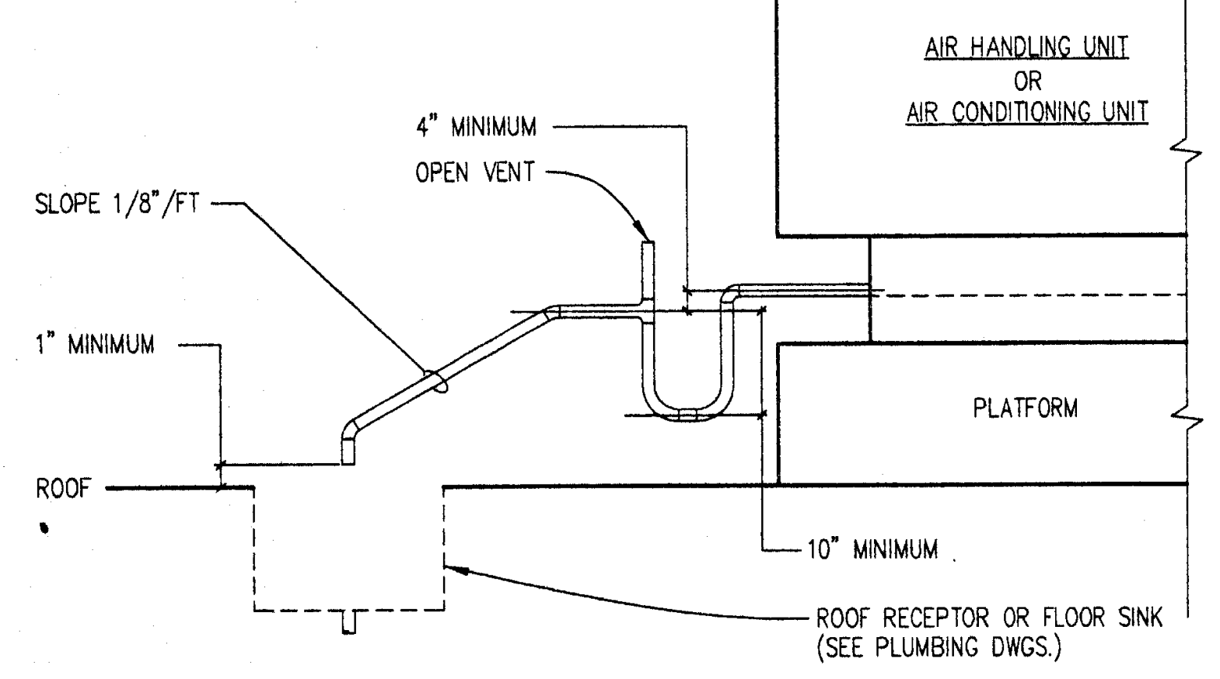
SHEET TITLE

ENLARGED MECHANICAL ROOM PLANS

FILE:	
SCALE	1/2" = 1'-0"
JOB NO.	JGM
DATE	

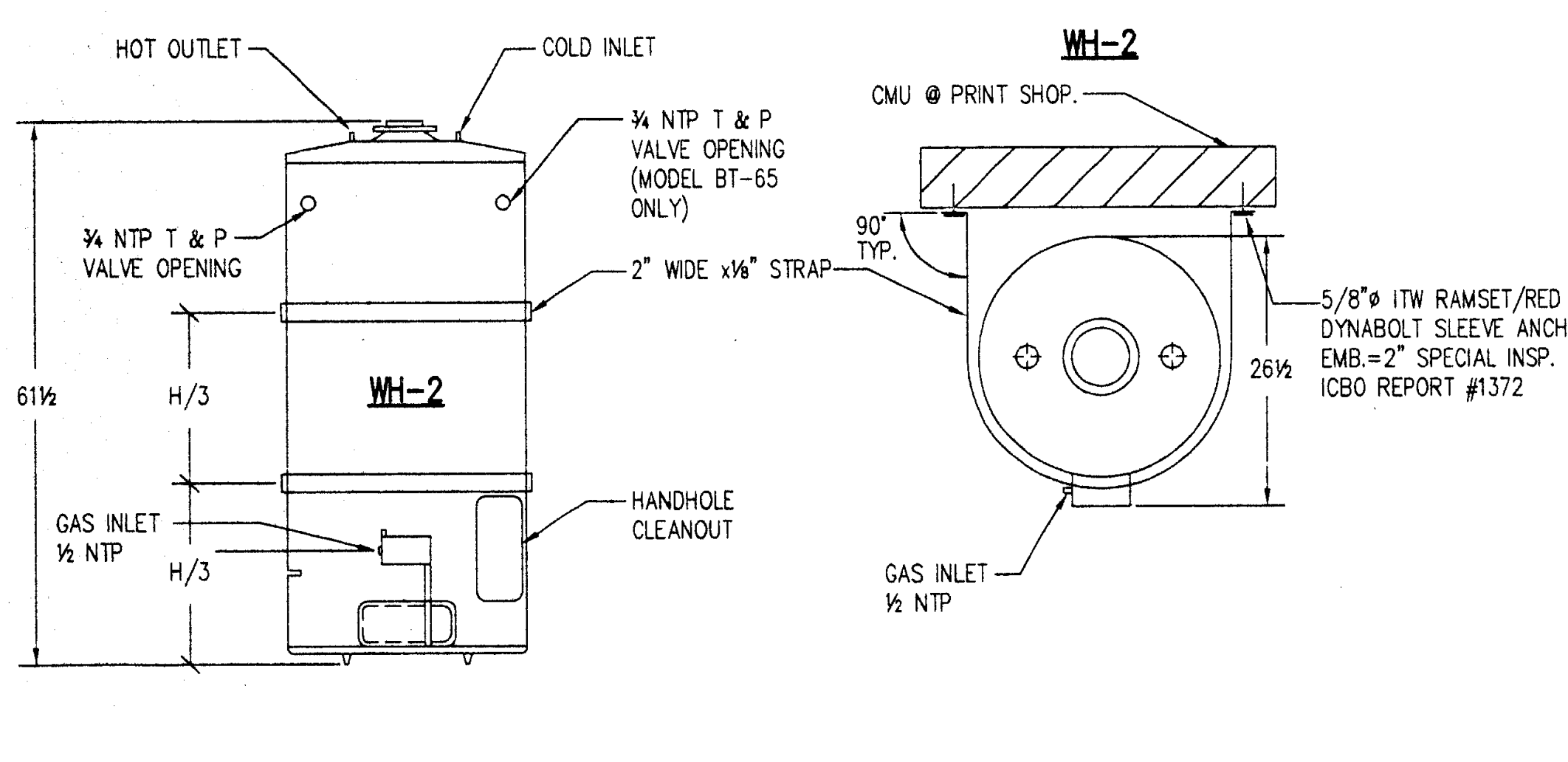
SHEET NO.
M3.1
OF 14 SHEETS

97120M31 12/21/97



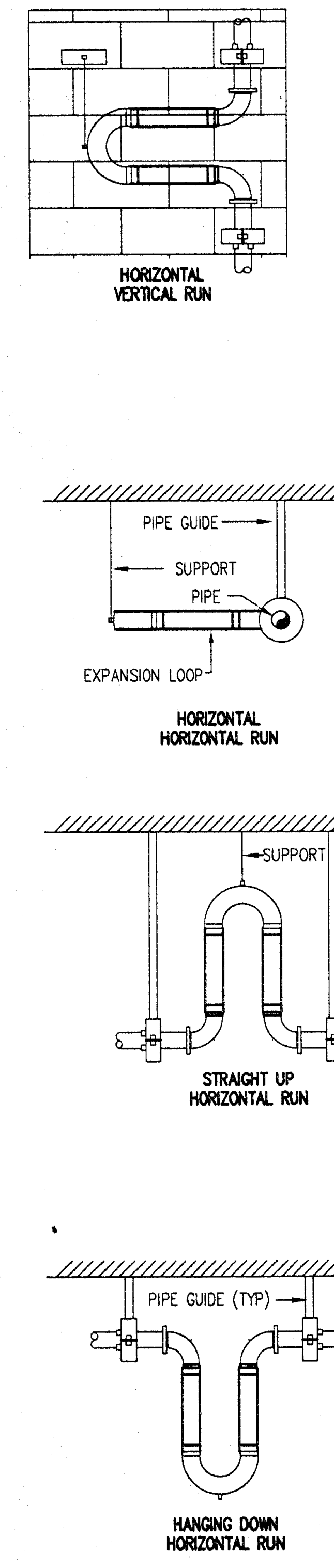
CONDENSATE DRAIN TRAP

SCALE NONE (10)

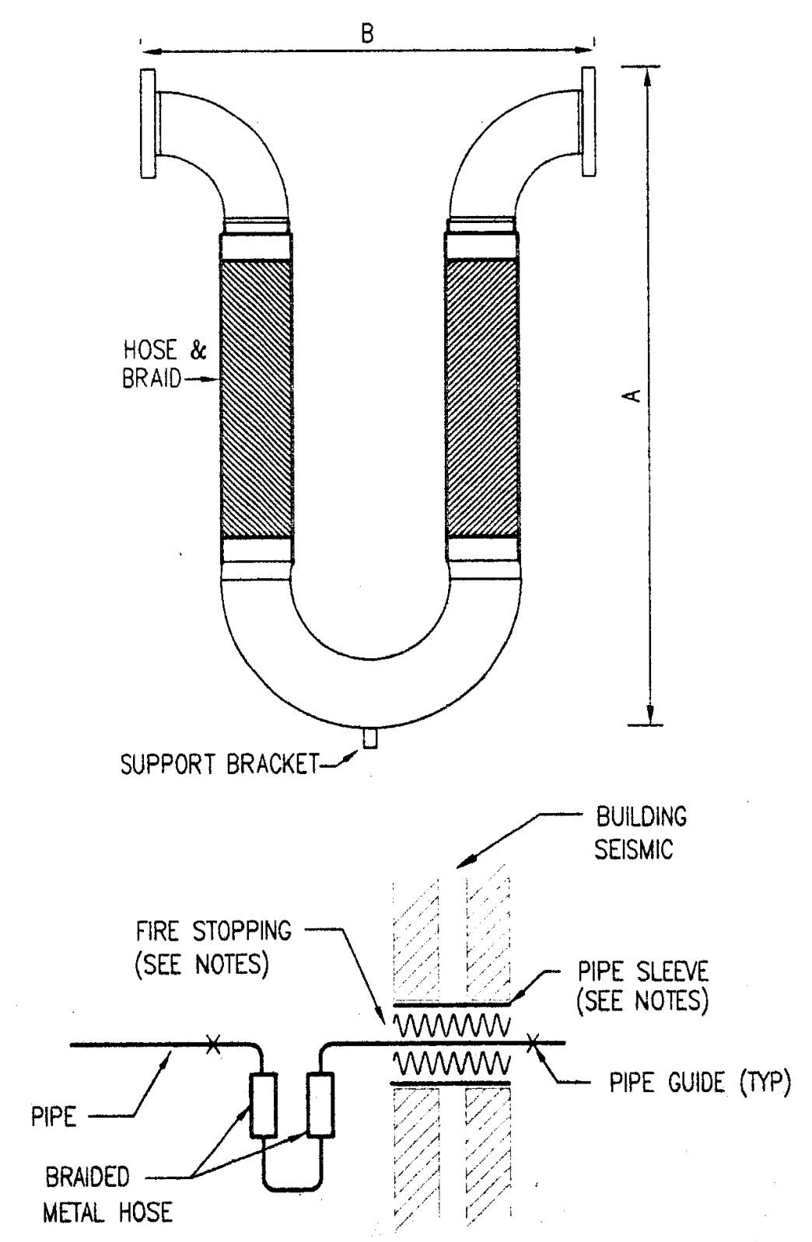


WATER HEATER SEISMIC STRAP DETAIL

SCALE NONE (11)



	SIZE (IN)	MOVEMENT (IN)	A (IN)	B (IN)	PSI @70°F	SPRING FORCE (LBS)	WEIGHT (LBS)
STAINLESS STEEL HOSE & BRAID WITH THREADED OR WELD ENDS	1/2	±1.5 : ±3	10 1/2	13 : 15	1304	45	2.0
	3/4	±1.5 : ±3	9	15 : 18	880	47	2.5
	1	±1.5 : ±3	10 1/2	16 : 19	605	53	3.5
	1 1/4	±1.5 : ±3	12	17 : 20	572	66	5.0
	1 1/2	±1.5 : ±3	13 1/2	18 : 22	527	70	7.0
	2	±1.5 : ±3	17	22 : 25	455	78	11.5
	SUBTRACT 2 IN. FROM ABOVE "B" FOR WELD END METRALOOPS						
BRONZE HOSE & BRAID WITH COPPER SWEAT ENDS	3/4	±1.5 : ±3	5 5/8	15 : 17	370	47	2.0
	1	±1.5 : ±3	7	16 : 18	250	53	2.5
	1 1/4	±1.5 : ±3	7 7/8	17 : 20	200	66	3.5
	1 1/2	±1.5 : ±3	9 1/4	19 : 22	190	70	4.0
	2	±1.5 : ±3	11 3/4	23 : 26	170	78	9.0
	2 1/2	±1.5 : ±3	13 1/2	24 : 27	145	83	12.0
	3	±1.5 : ±3	15	27 : 30	125	90	18.0
STAINLESS STEEL HOSE & BRAID WITH #150 FLANGED, WELD OR GROOVED ENDS	2	±1.5 : ±3	14	20 : 23	455	78	11.5
	2 1/2	±1.5 : ±3	16	22 : 25	345	83	21.5
	3	±1.5 : ±3	19	25 : 28	289	90	30.5
	4	±1.5 : ±3	25	30 : 33	300	120	66.5
	5	±1.5 : ±3	31	34 : 38	220	186	76.0
	6	±1.5 : ±3	37	40 : 43	200	202	118.5
	8	±1.5 : ±3	49	50 : 55	190	260	225.0
	10	±1.5 : ±3	61	59 : 64	165	283	394.0
	12	±1.5 : ±3	73	67 : 72	125	310	545.0
	SUBTRACT 1 IN. FROM ABOVE "B" FOR WELD END METRALOOPS						



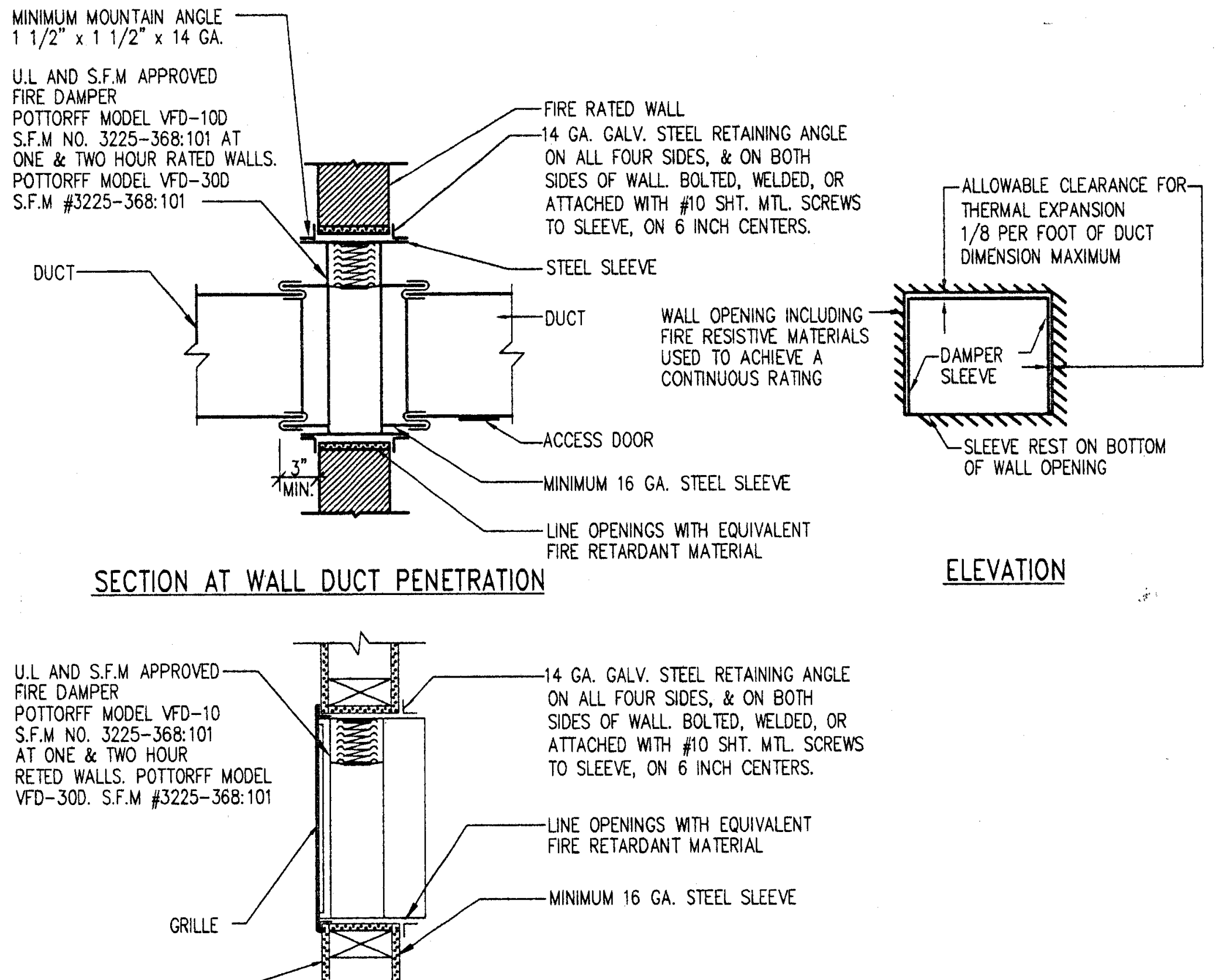
NOTES:

1. SLEEVE INSIDE DIAMETER SHALL BE PIPE OUTSIDE DIAMETER (OUTSIDE DIAMETER OF INSULATION FOR INSULATED PIPE) +6". SMALLER SIZES ARE PERMITTED IF APPROVED BY STRUCTURAL ENGINEER.
2. FIRE STOPPING BETWEEN PIPE AND SLEEVE SHALL BE OF MATERIALS WHICH WILL COLLAPSE TO PROVIDE PIPE FREE MOVEMENT DURING AN EARTHQUAKE.

PLOT DATE: 3/18/98

PIPE THRU SEISMIC SEPARATION

SCALE NONE (12)

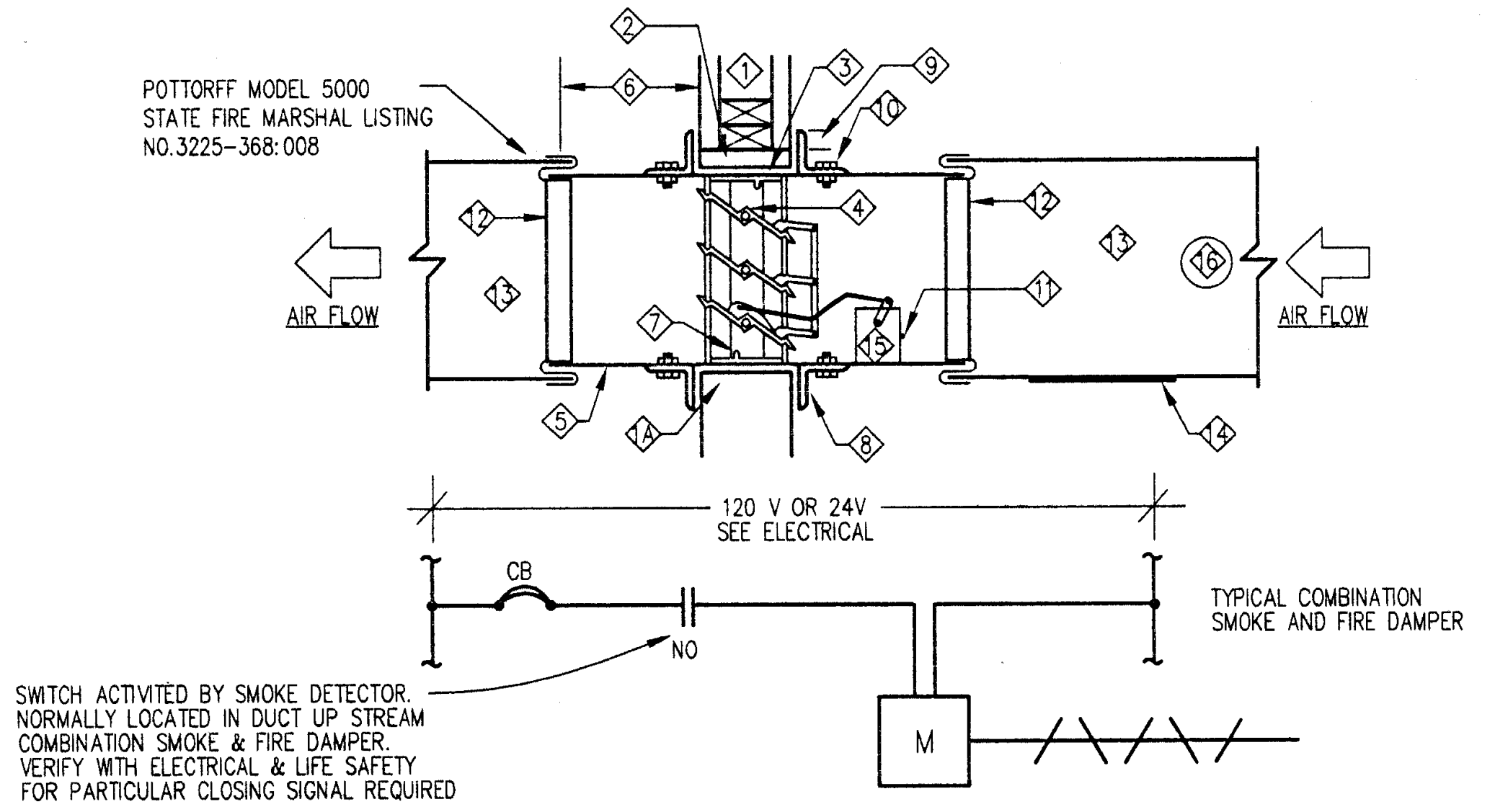


FIRE DAMPER DETAIL IS FOR REFERENCE ONLY

1. FIRE DAMPERS SHALL BE APPROVED BY THE CALIFORNIA STATE FIRE MARSHAL AND INSTALLED IN COMPLIANCE WITH TITLE 24, C.C.R., STANDARD 12-43-2 AND IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.
2. THE MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON SITE FOR REVIEW BY INSPECTING AUTHORITIES.
3. ALL FIRE DAMPERS INSTALLED IN SYSTEMS WITHOUT AUTOMATIC SHUT DOWN SHALL BE APPROVED (LISTED) DYNAMIC TYPE. (eg. VENTILATION SYSTEMS)

WALL FIRE DAMPER DETAIL

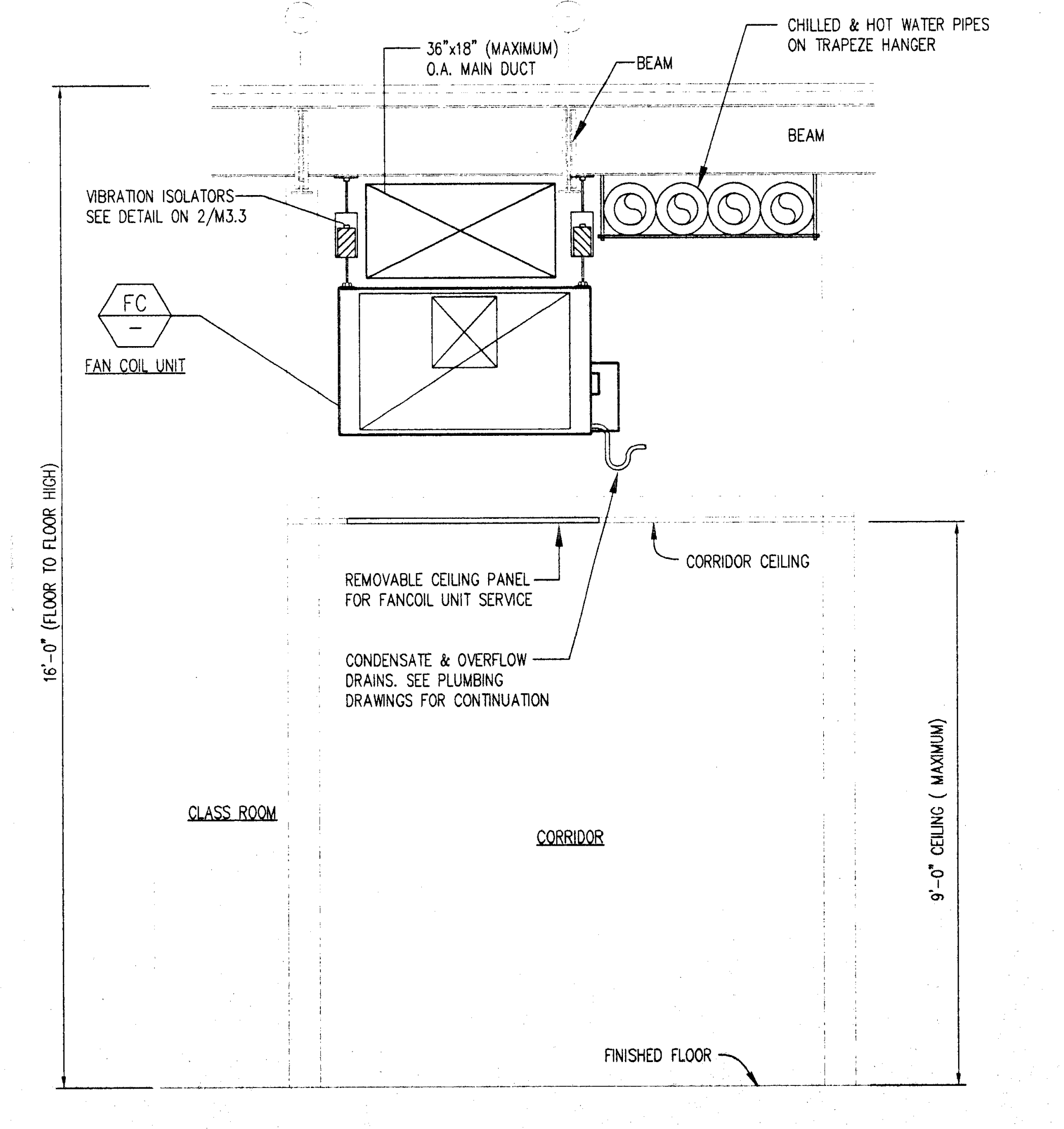
SCALE NONE (7)



- ◇1 FOR NON-MASONARY WALLS OPENING PREPARED WITH DOUBLE STUD FRAMING.
- ◇A MASONARY OR CONCRETE WALL OPENINGS.
- ◇2 INTERIOR OF OPENING LINED WITH U.L. LISTED MATERIAL HAVING SAME FIRE RESISTIVE RATING AS WALLS.
- ◇3 CLEARANCE FOR THERMAL EXPANSION, 1/8 INCH PER FOOT OF DUCT DIMENSION MAXIMUM 1/2 INCH. ALL AT TOP HALF, EQUAL FOR EACH SIDE.
- ◇4 COMBINATION FIRE AND SMOKE DAMPER–U.L. LABEL. 1 1/2 HOUR LOW LEAKAGE CLASSIFIED.
- ◇5 STEEL SLEEVE, MINIMUM 14 GAUGE.
- ◇6 SLEEVE TO EXTEND A MINIMUM OF 4" BEYOND WALL LINE.
- ◇7 BOLT OF WELD DAMPER TO SLEEVE, MINIMUM 1/4" BOLT OR 1/2" WELDS, 12" O.C., BEGIN 2" FROM CORNERS.
- ◇8 RETAINING ANGLES MINIMUM 1 1/2" X 1 1/2" X 12" GAGE FOR DUCTS 0-48 INCHES, 2" X 2" X 1/8" FOR DUCT 48INCHES. ALL SIDES.
- ◇9 REGARDLESS OF DUCT SIZE MINIMUM OVERLAP OF PREPARED OPENING FRAMEWORK BY RETAINING ANGLES SHALL BE 1".
- ◇10 RETAINING ANGLES ATTACHED TO SLEEVES WITH 1/4" BOLTS OR 1/2" WELDS, 6" O.C., BEGIN 2" FROM CORNERS.
- ◇11 165°F THERMAL DISC
- ◇12 BREAKAWAY CONNECTION, SLIP TYPE. ONE NO. 10 SM SCREW OR DRIVE SLIPS MAY BE USED FOR SECURING VERTICAL SIDES.
- ◇13 DUCT.
- ◇14 ACCESS DOOR.
- ◇15 U.L. LISTED SMOKE DAMPER OPERATOR, POWER OPEN, SPRING RETURN, FAIL CLOSED, ELECTRIC.
- ◇16 U.L. LISTED SMOKE DETECTOR UNDER DIVISION 16 INTERFACE WITH BUILDING FIRE ALARM SYSTEM. SEE ELECTRICAL DOCUMENTS.
- 17 MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE ON-SITE INSPECTORS

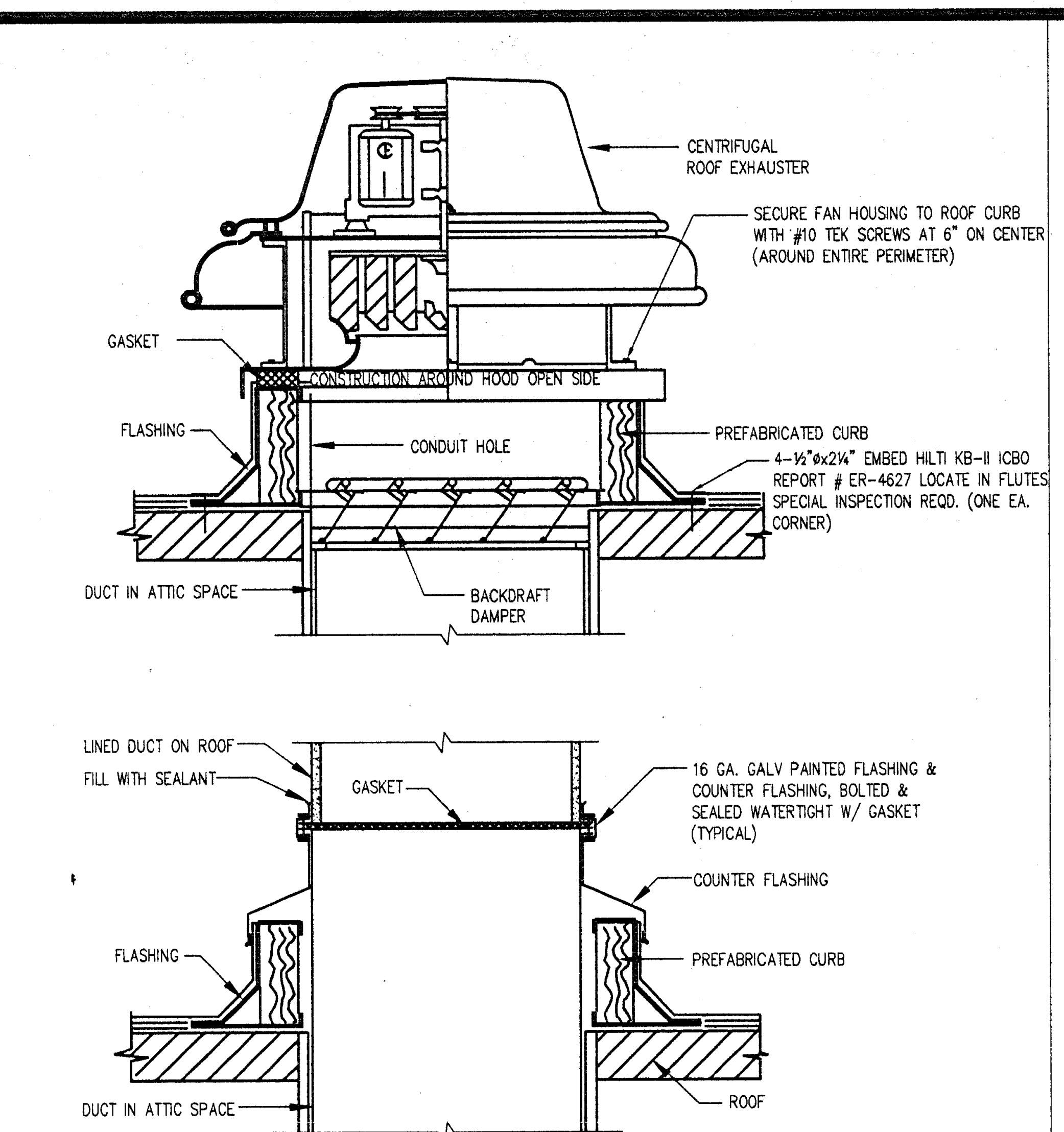
COMBINATION SMOKE & FIRE DAMPER DETAIL

SCALE NONE (8)



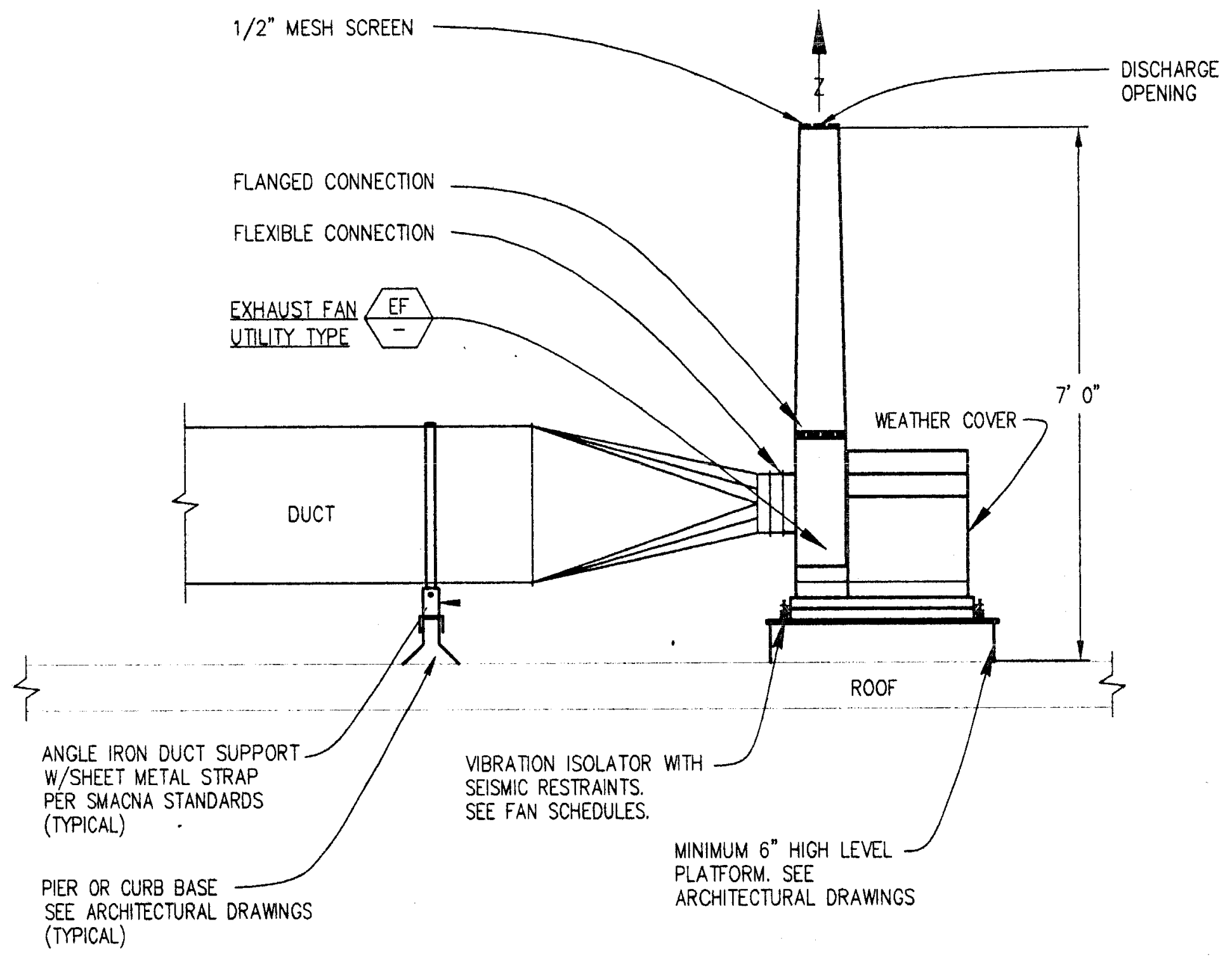
TYPICAL FAN COIL UNIT SECTION @ CORRIDOR

SCALE 1/2" = 1'-0" (9)



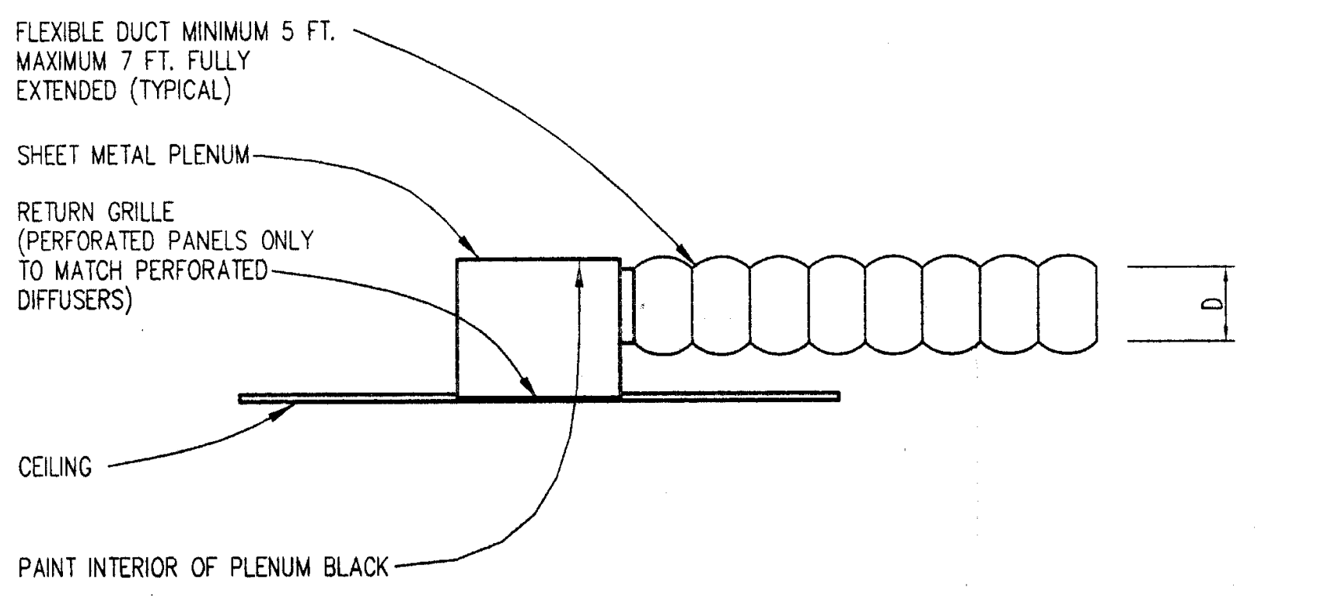
ROOF EXHAUSTER & TYPICAL DUCT ROOF PENETRATION DETAIL

SCALE NONE (4)



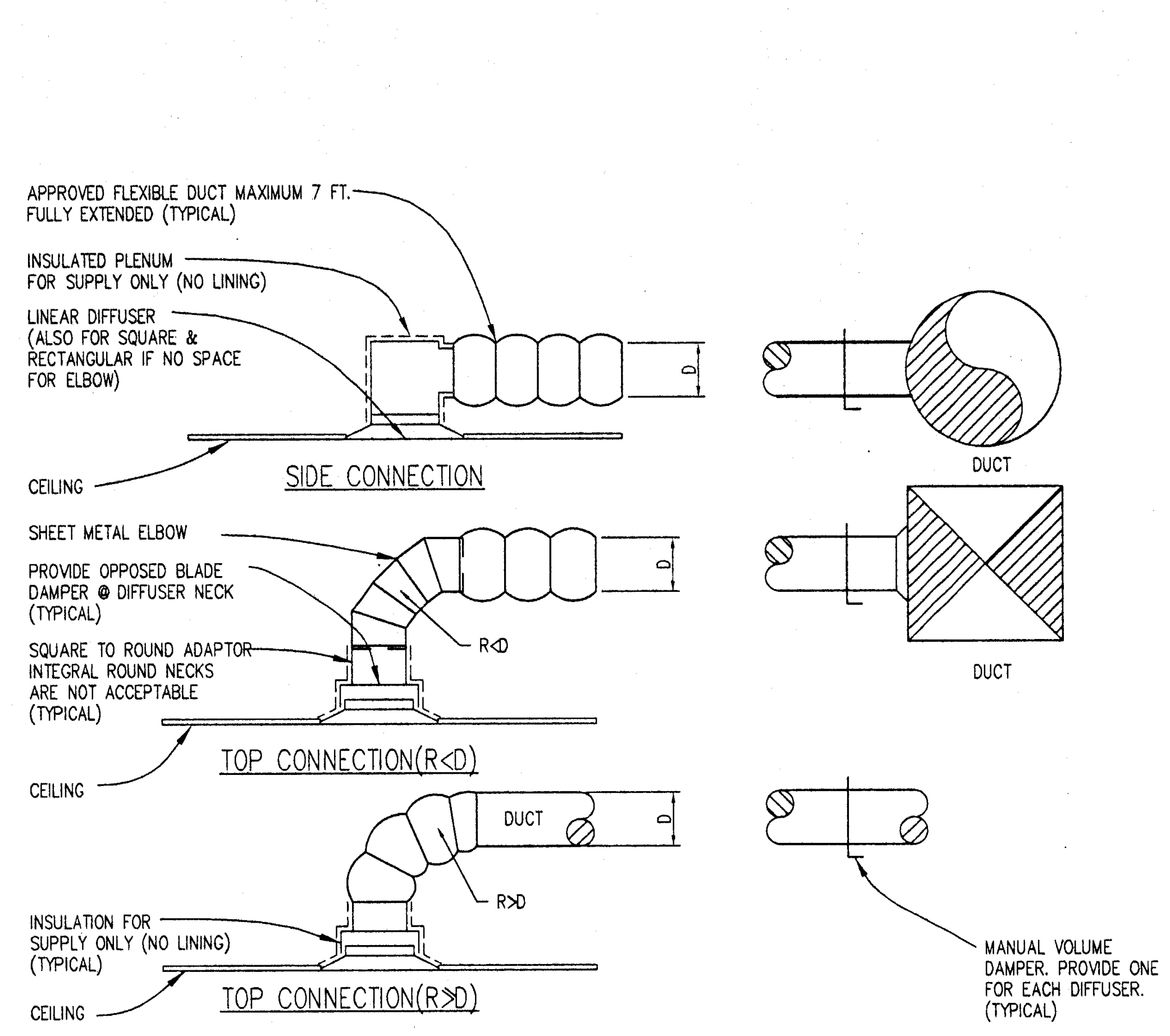
ELEVATON @ EXHAUST FAN

SCALE NONE (5)



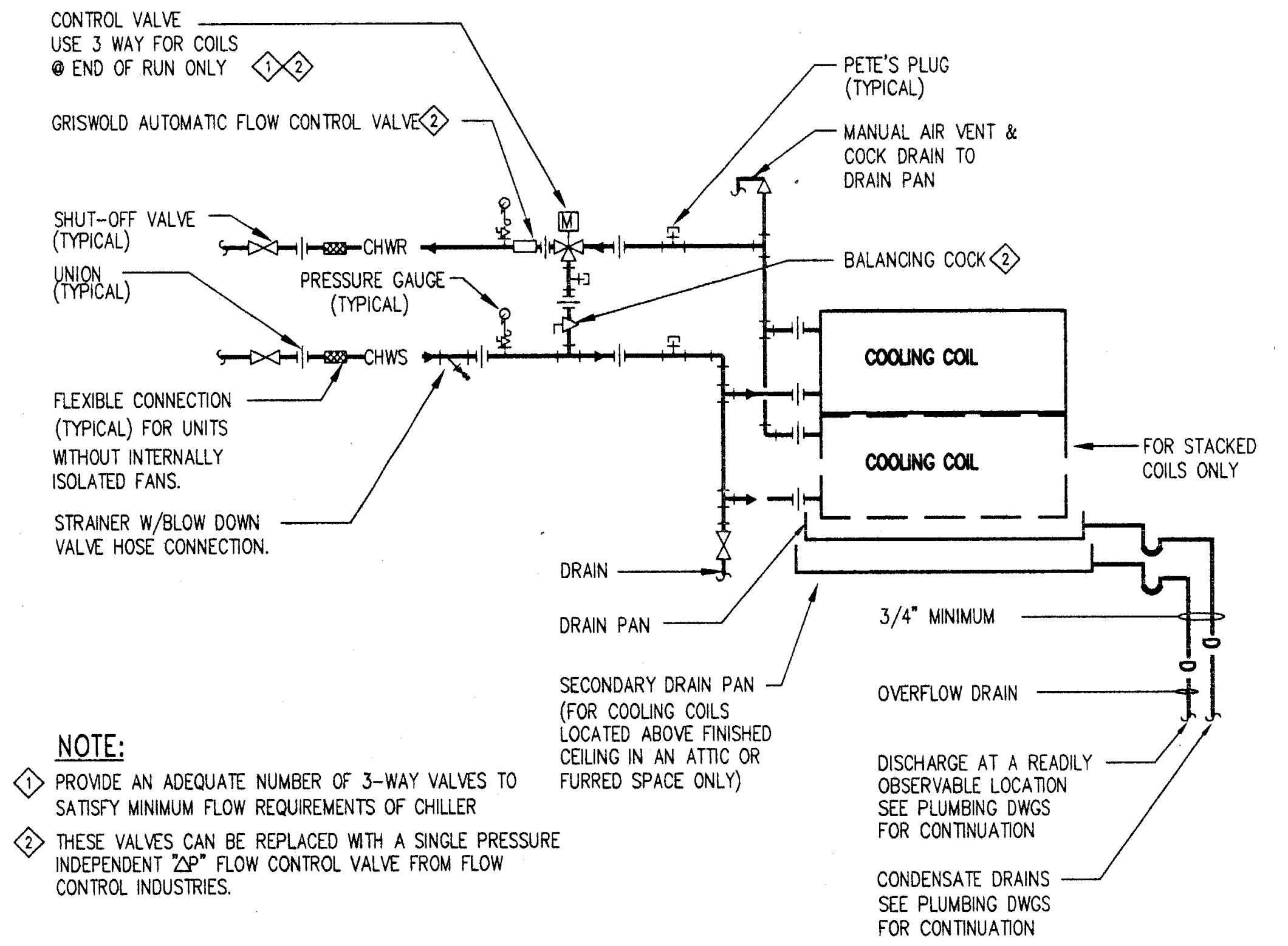
RETURN AIR BOOT

SCALE NONE (6)



CEILING AIR INLET/OUTLET CONNECTION DETAIL

SCALE NONE (1)

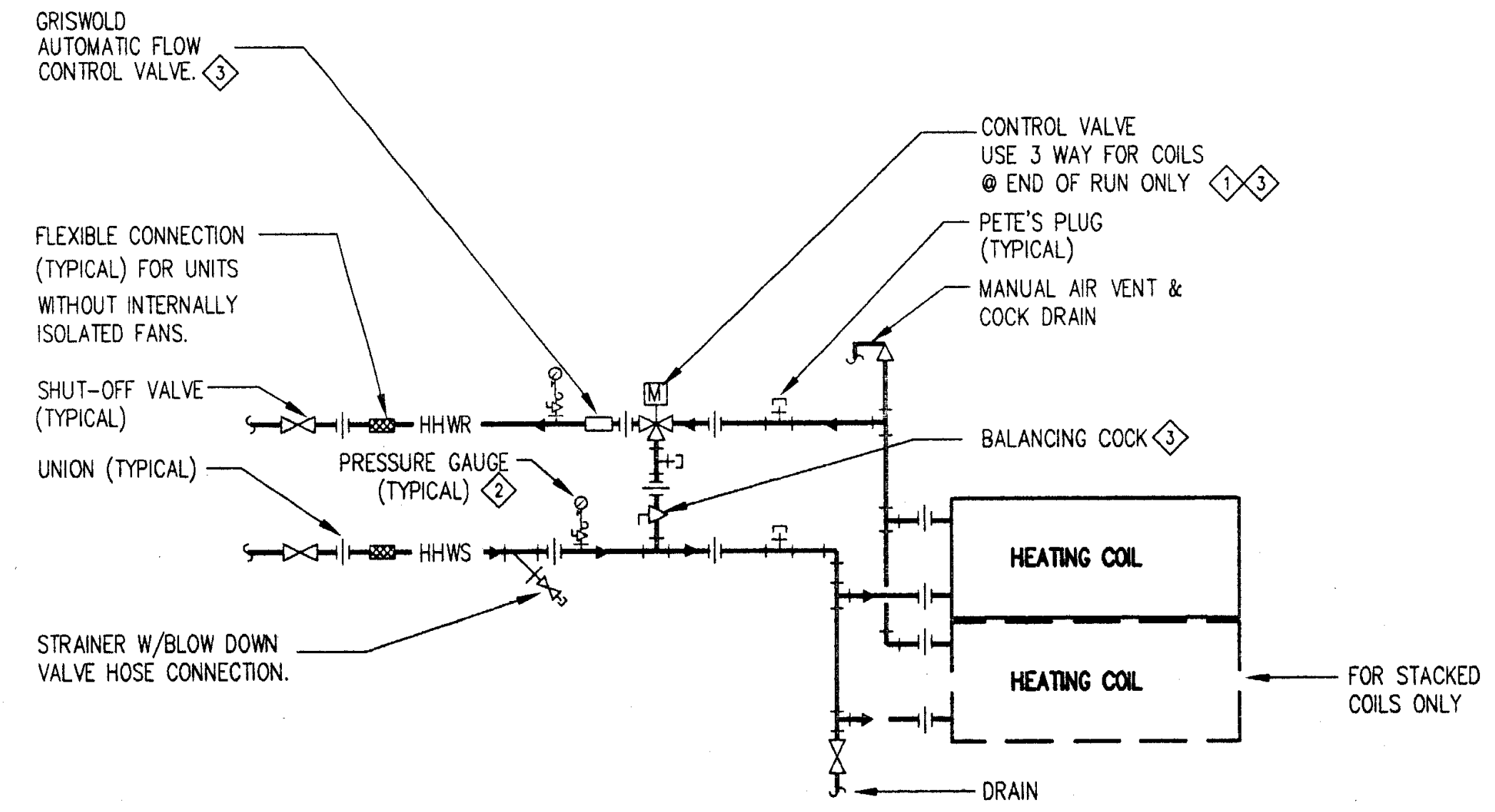


NOTE:

- ◇1 PROVIDE AN ADEQUATE NUMBER OF 3-WAY VALVES TO SATISFY MINIMUM FLOW REQUIREMENTS OF CHILLER
- ◇2 THESE VALVES CAN BE REPLACED WITH A SINGLE PRESSURE INDEPENDENT "ΔP" FLOW CONTROL VALVE FROM FLOW CONTROL INDUSTRIES.

COOLING COIL PIPING

SCALE NONE (2)



NOTE:

- ◇1 PROVIDE AN ADEQUATE NUMBER OF 3-WAY VALVES TO SATISFY MINIMUM FLOW REQUIREMENTS OF BOILER
- ◇2 PROVIDE ONLY FOR AIR HANDLING UNIT COILS. PROVIDE PETE'S PLUGS ONLY FOR ZONE COILS.
- ◇3 THESE VALVES CAN BE REPLACED WITH A SINGLE PRESSURE INDEPENDENT "ΔP" FLOW CONTROL VALVE FROM FLOW CONTROL INDUSTRIES.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC____ FLS____ SS Mc 12y
3-20-98

HEATING COIL PIPING

SCALE NONE (3)

JGM Jenkins/Gales & Martinez, Inc.
Project & Construction Management
5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721
Architects • Engineers • Planners

PROGRAMMING
PLANNING
ARCHITECTURE

DRAWN	WMA
CHECKED	JS
APPROVED	

CONSULTANT

CIVIL:
WAGNER ENGINEERING & SURVEY, INC.
14930 VENTURA BLVD., STE. 240
SHERMAN OAKS, CA 91403
818-995-9880
818-995-9877 FAX

LANDSCAPE:
DSK LANDSCAPE ARCHITECTS
3333 WILSHIRE 'BLVD. SUITE 103
LOS ANGELES, CA. 90010
213-382-3113
213-382-2669 FAX

STRUCTURAL:
JOHN A. MARTIN & ASSOCIATES, INC.
1212 S. FLOWER
LOS ANGELES, CA 90015
213-483-6490
213-483-3084 FAX

MECHANICAL & PLUMBING:
MAROKO & ASSOCIATES
12517 CHANDLER BLVD.
VALLEY VILLAGE, CA 91607
818-760-7300
818-760-4645 FAX

ELECTRICAL:
SILVER, ROTH & ASSOCIATES, INC.
8780 NATIONAL BLVD., STE. 206
CULVER CITY, CA. 90232
310-202-0246
310-202-0678 FAX

SEAL

JAMES H. SHWE
No. 26903
Exp: 9/30/98

MORRIS R. POINDEXTER
C-13901
3-31-99

MAROKO & ASSOCIATES
Mechanical Engineers
12517 CHANDLER BOULEVARD
VALLEY VILLAGE, CA 91607
(818) 760-7300
FAX(818) 760-4645

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

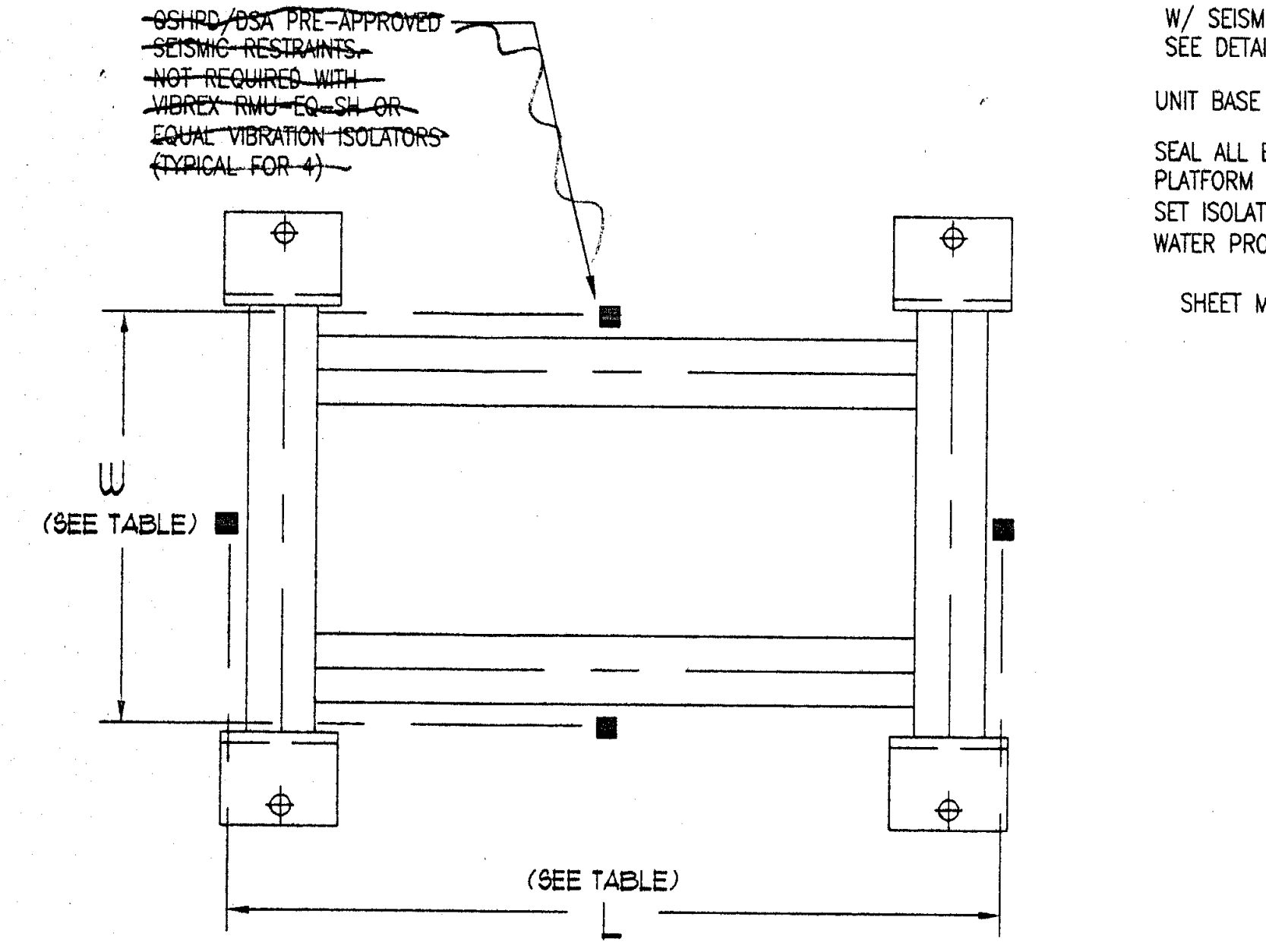
SHEET TITLE

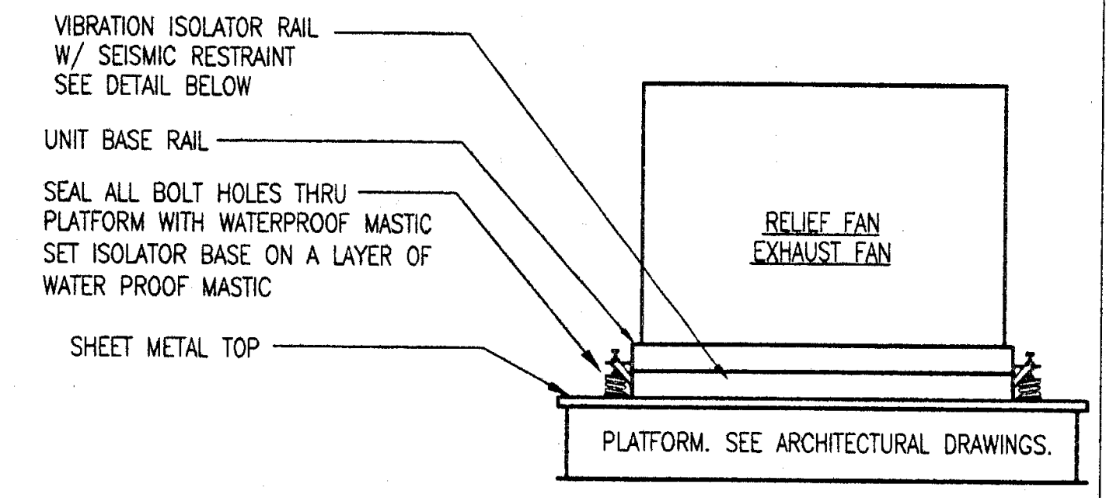
DETAILS & SECTIONS

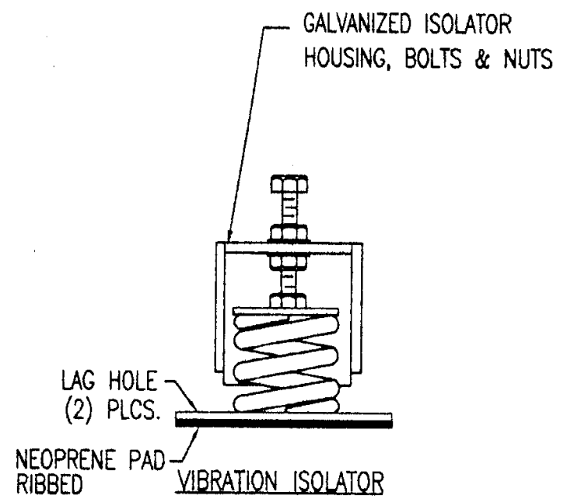
FILE:	
SCALE	AS INDICATED
JOB NO.	JGM
DATE	

SHEET NO.
M3.2
OF 14 SHEETS

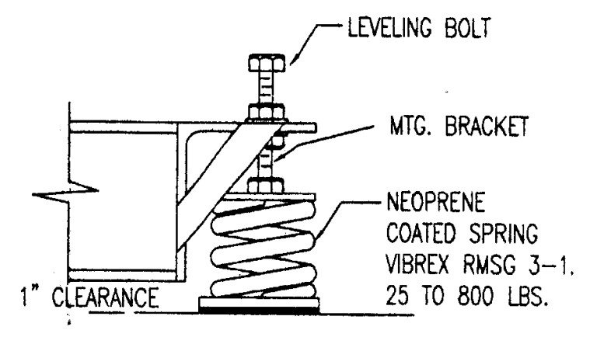
97120M32 3/18/98







VIBRATION ISOLATOR SIDE VIEW



VIBRATION ISOLATOR FRONT VIEW

NOTES:
1) ISOLATOR IS TYPICAL FOR RELIEF FANS. (SEE SCHEDULE ON M2)
2) ALL ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.
3) OSHPD/OSA PRE-APPROVED SEISMIC RESTRAINTS.
4) BASE IS TYPICAL CONFIGURATION FOR EXHAUST FANS.

VIBREX TYPE RMSB-4

SYMBOL	L	W	RESTRAINT TYPE	ANCHOR TYPE	ANNCHOR SIZE	ANCHOR QTY. PER RESTR.
EF-1	36	21	3500-KA ①	KWIKBOLT II	3/8" DIA	2
EF-2	38	23	" ①	"	"	"
EF-3	38	23	" ①	"	"	"
EF-4	38	23	" ①	"	"	"
EF-5	38	23	" ①	"	"	"
EF-6	38	23	" ①	"	"	"
EF-7	42	24	3500-KB ②	"	1/2" DIA	"
EF-8	42	24	" ②	"	"	"
EF-9	27	16	3500-KA ①	"	3/8" DIA	"
EF-10	20	14	" ①	"	"	"
EF-11	20	16	" ①	"	"	"
EF-17	20	14	" ①	"	"	"
EF-18	20	13	" ①	"	"	"

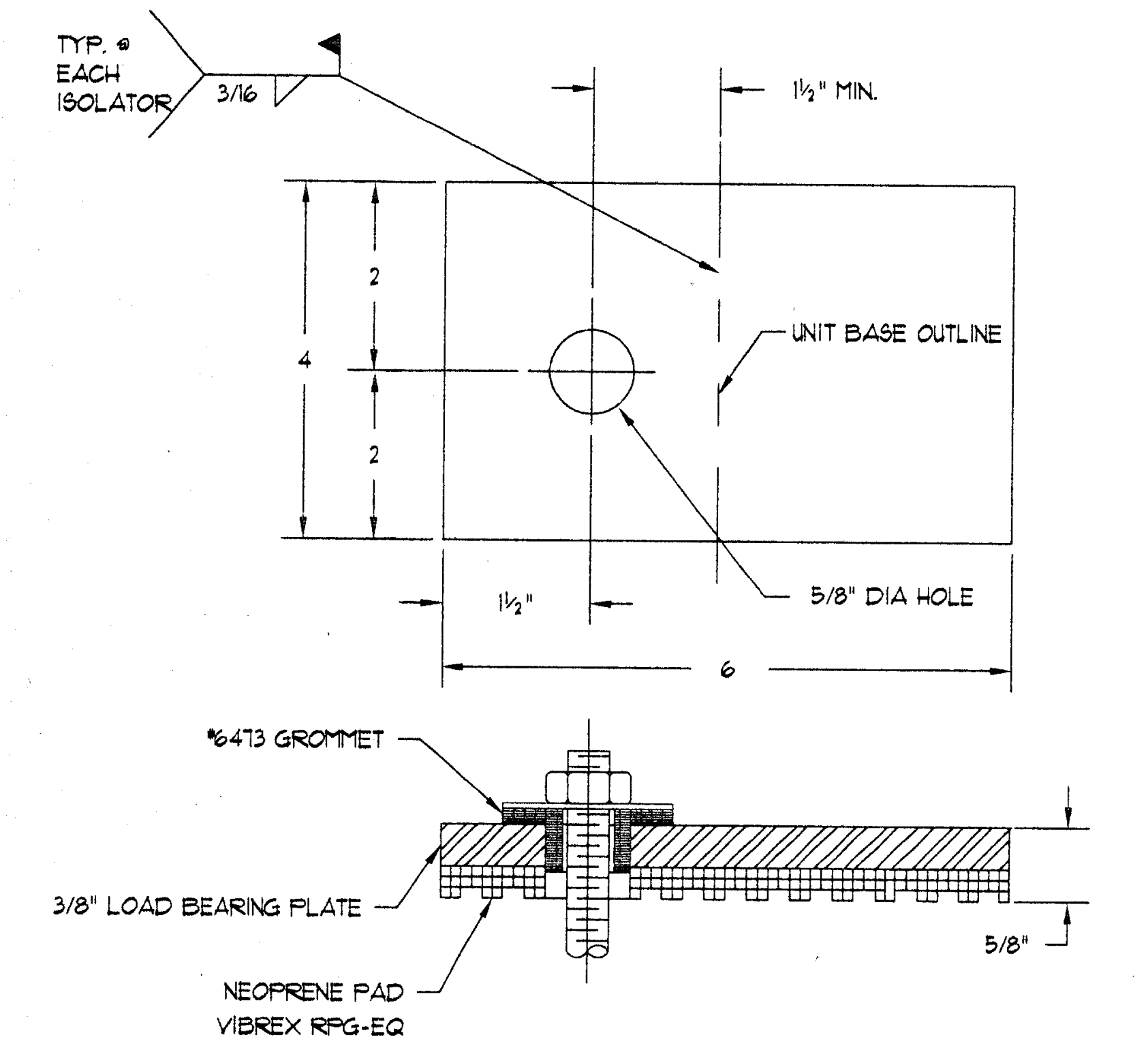
① SEE 1/M3.3
② SEE 9/M3.3

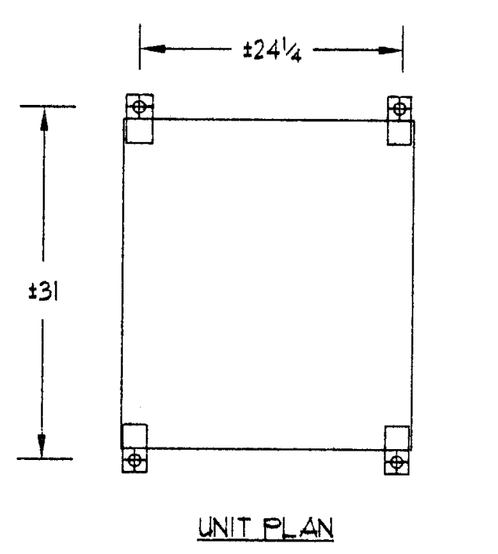
VIBRATION ISOLATOR FOR EXHAUST FANS

SCALE NONE ⑦

SYMBOL	L	W	RESTRAINT TYPE	ANCHOR TYPE	ANNCHOR SIZE	ANCHOR QTY. PER RESTR.
B-1	31	24	–	KWIKBOLT II	3/8" DIA	1
B-2	31	24	–	KWIKBOLT II	"	1

MARK	UNIT
B-1, 2	PATTERSON KELLY N-1500





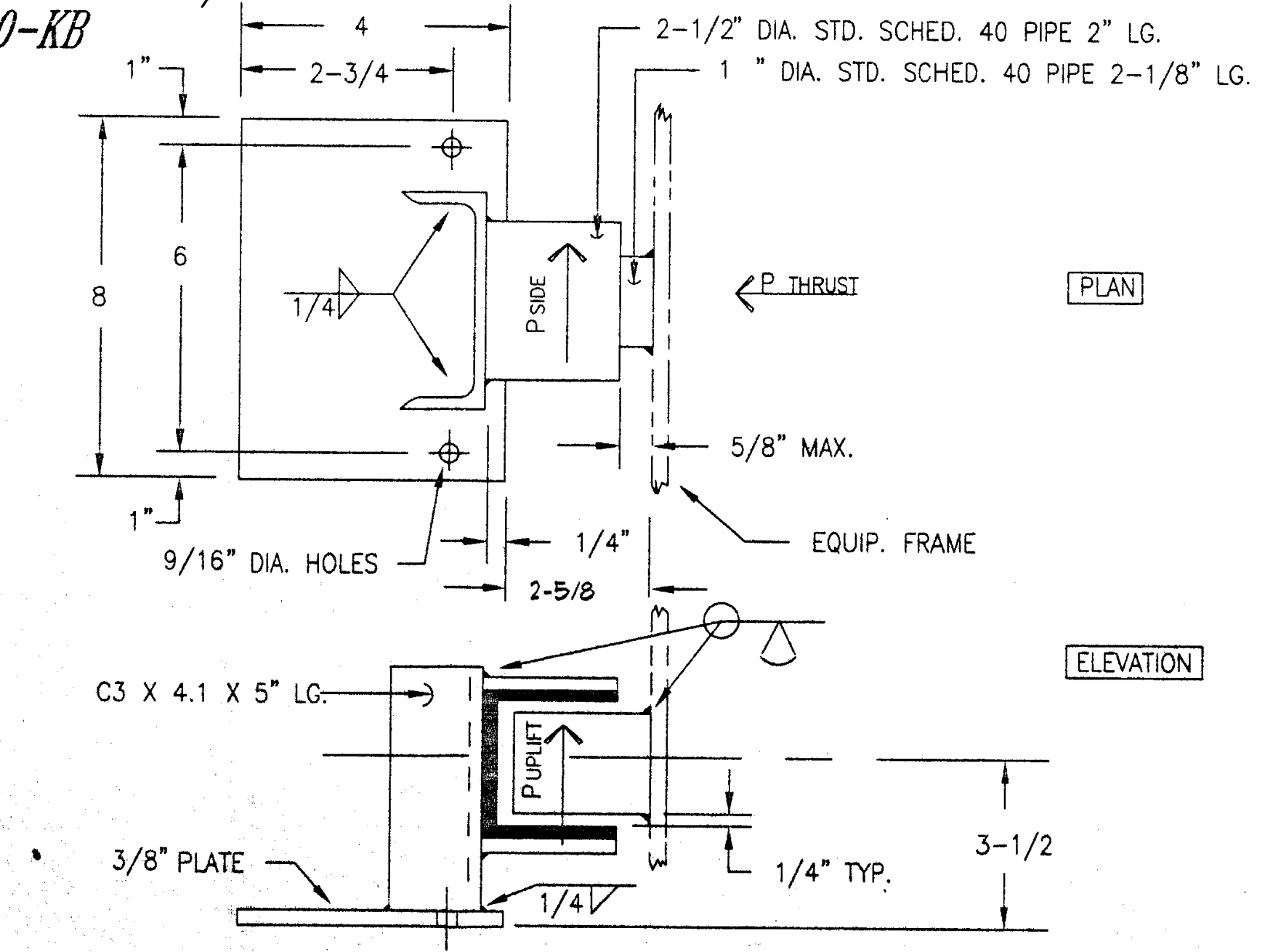
UNIT PLAN

NOTES:
1) USE 3/8" DIA HILTI KB II CONC ANCHOR W/ 2½" MIN. EMBEDMENT INTO 3000 PSI HR CONCRETE.

VIBRATION ISOLATOR FOR BOILERS (B-1,2)

SCALE NONE ⑧

VIBREX TYPE S/R
3500-KB



ALLOWABLE LOADS:
P SIDE = 950 LBS.
P THRUST = 1175 LBS.
P UPLIFT = 1350 LBS.

O.S.H.P.D. PRE-APPROVED
NUMBER R-0029

NOTES:
1. VIBREX SERIES 3500 SEISMIC RESTRAINTS ARE DESIGNED TO RESTRAIN MOVEMENT IN ALL DIRECTIONS. WHEN RESTRAINT IS SUBJECT TO LOADING IN MORE THAN ONE DIRECTION SIMULTANEOUSLY: $\angle P/P_{ALLOW.} < 1$
2. RESTRAINT SHALL NOT BE IN CONTACT WITH INNER PIPE UNDER NORMAL OPERATING CONDITIONS.
3. RIBBED NEOPRENE PAD IS PROVIDED ON ALL CONTACT SURFACES.
4. USE 1/2" DIA. HILTI KWIK BOLT II CONC ANCHORS WITH MIN. 3-1/2" EMBED. IN MIN. 3000 PSI HARDROCK CONCRETE. TEST ALTERNATE INSERTS FOR 1664 lbs PULLOUT. IF ANY ONE ANCHOR FAILS TEST ALL ANCHORS.
5. ALL ANCHORAGE TO STRUCTURE SHOP DRAWINGS TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

SEISMIC RESTRAINT DETAILS

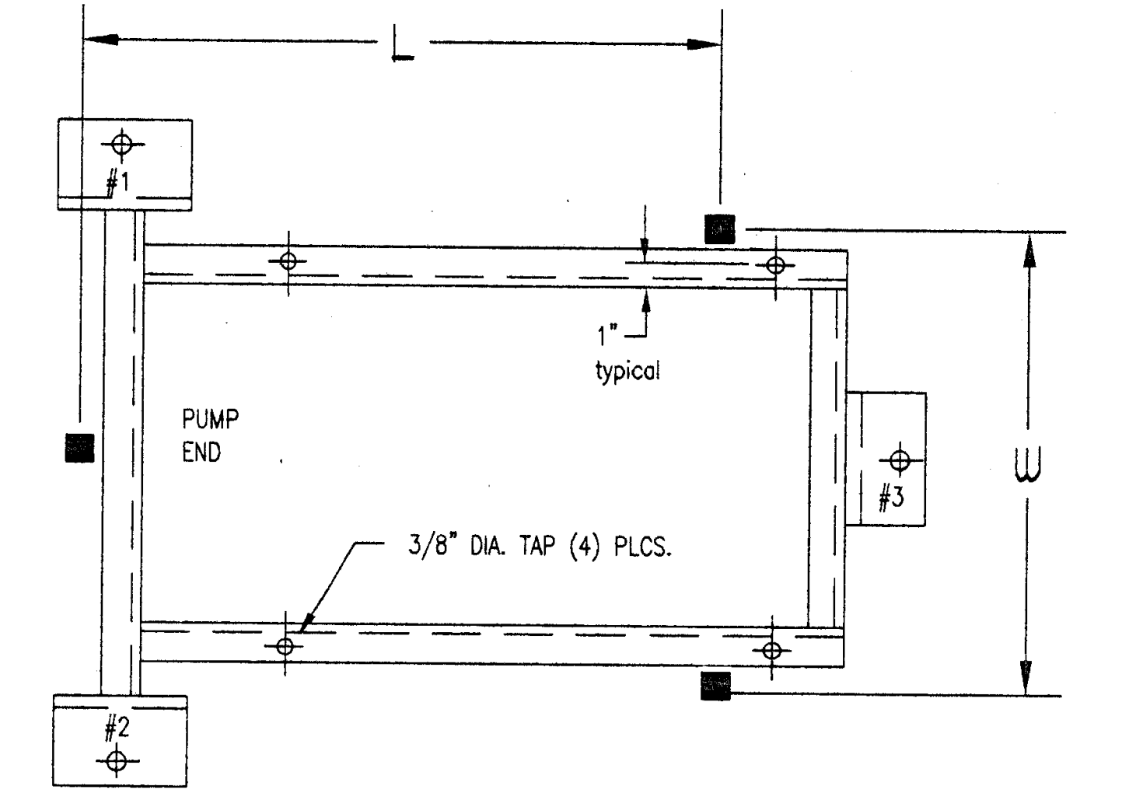
SCALE NONE ⑨

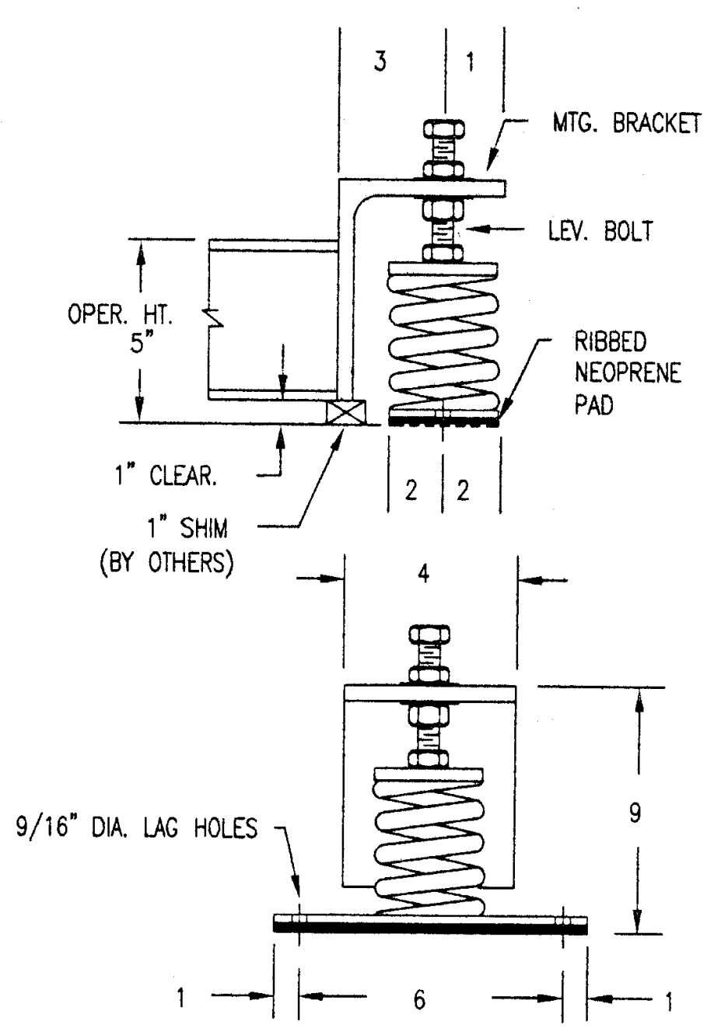
PLOT DATE: 3.18.98

MARK	MAKE	MODEL	SIZE	STEEL FRAME
P-1,2	PACO	L	1595-7 5 HP	C4" X 5.4#/ft.

SYMBOL	L	W	RESTRAINT TYPE	ANCHOR TYPE	ANNCHOR SIZE	ANCHOR QTY. PER RESTR.
P-1	21	9 1/2	3500-KA ①	KWIKBOLT II	3/8" DIA	2
P-2	21	9 1/2	" ①	"	"	"

① SEE 1/M3.3





MOUNT #	SPRING SIZE	O.D.	DEFL.	LOAD (LBS.)
VIBREX RMSG		4"	2"	60–1200 LBS.

NOTES:
1. APPROX. STEEL WGT.: 50 lbs.
2. ■ INDICATES SEISMIC RESTRAINT LOCATION TYP. (3) PLCS., SEE DETAIL # 1 OF THIS SHEET.
3. ALL ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

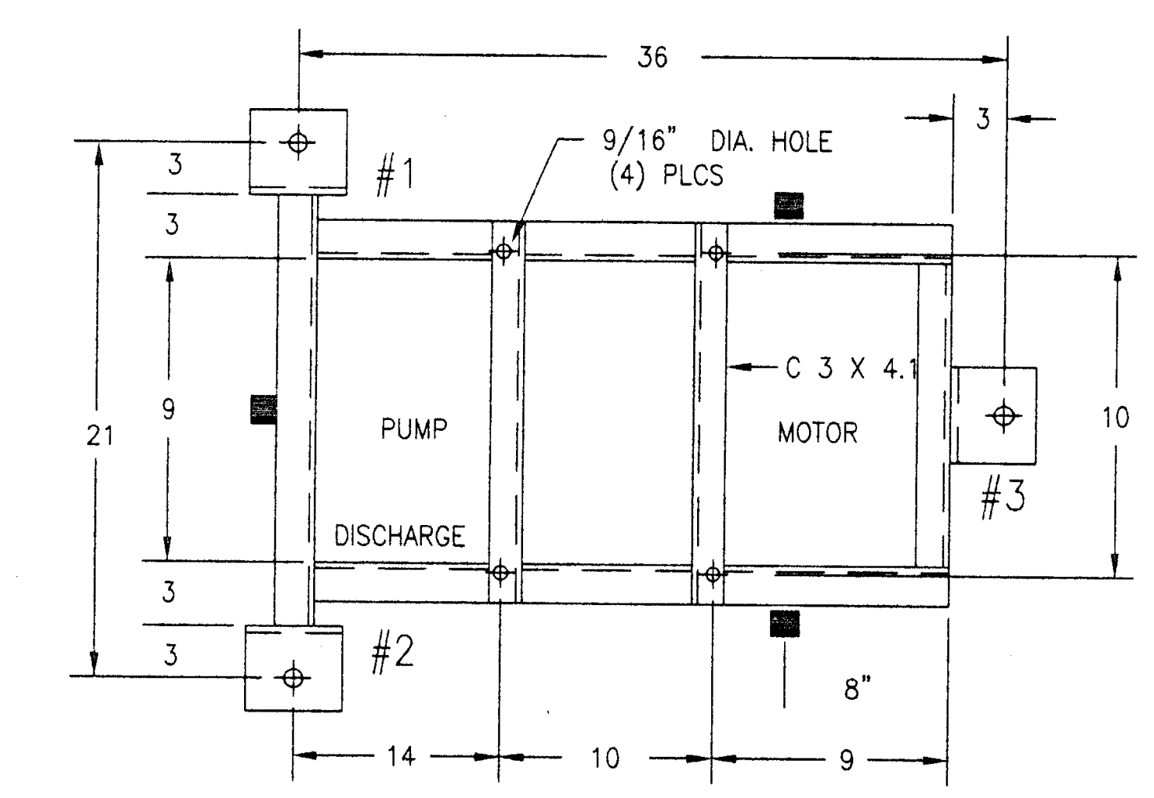
VIBRATION ISOLATOR FOR PUMPS (P-1,2)

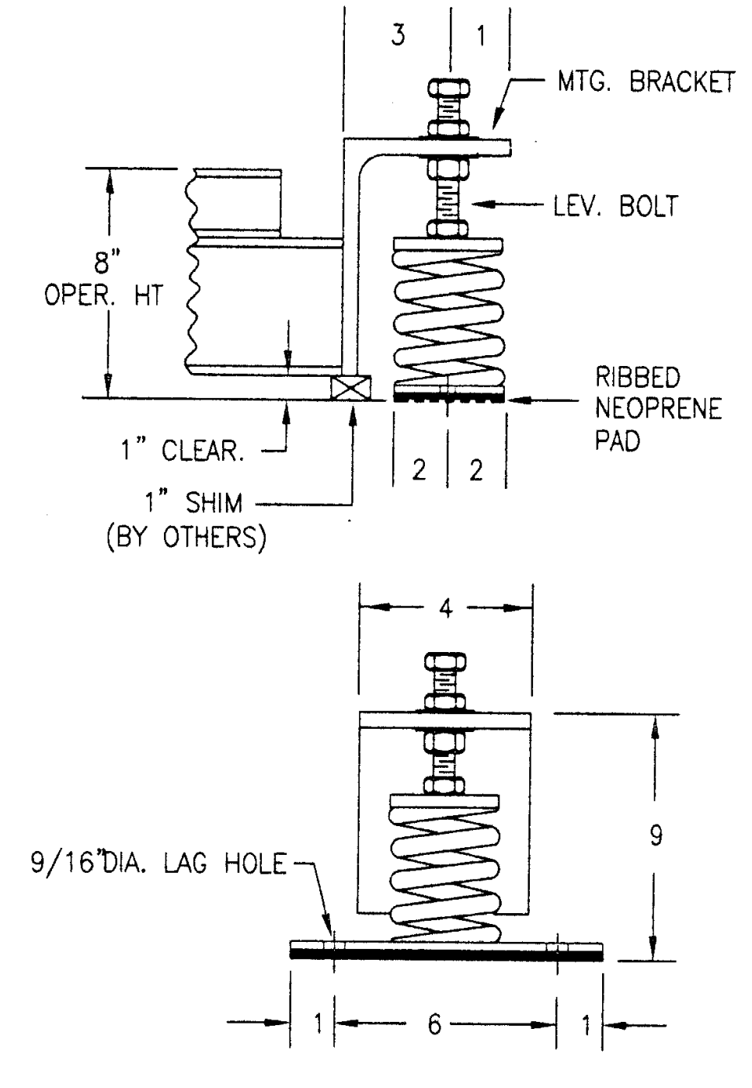
SCALE NONE ④

MARK	MAKE	MODEL	SIZE	STEEL FRAME
P-3	PACO	3012-1	20 HP	C 4 X 5.4 #/FT

SYMBOL	L	W	RESTRAINT TYPE	ANCHOR TYPE	ANNCHOR SIZE	ANCHOR QTY. PER RESTR.
P-3	27	13	3500-KA ①	KWIKBOLT II	3/8" DIA	2

① SEE 1/M3.3



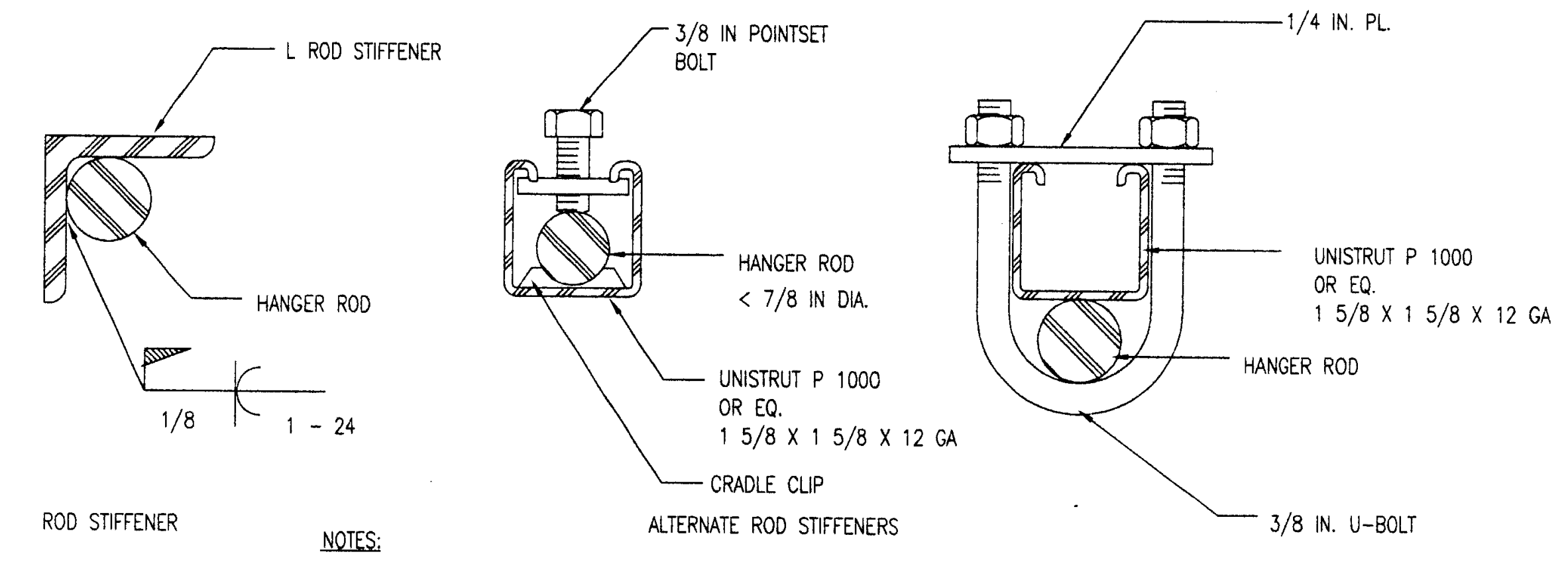


MOUNT #	SPRING SIZE	O.D.	DEFL.	LOAD(LBS.)
VIBREX RMSG		4.0"	2.0"	60–1200 LBS.

NOTES:
1. APPROX. STEEL WGT.: 65 LBS
2. ■ INDICATES SEISMIC RESTRAINT LOCATION. (3) PLCS. FOR DETAILS, SEE DWG #9 OF THIS SHEET.
3. ALL ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

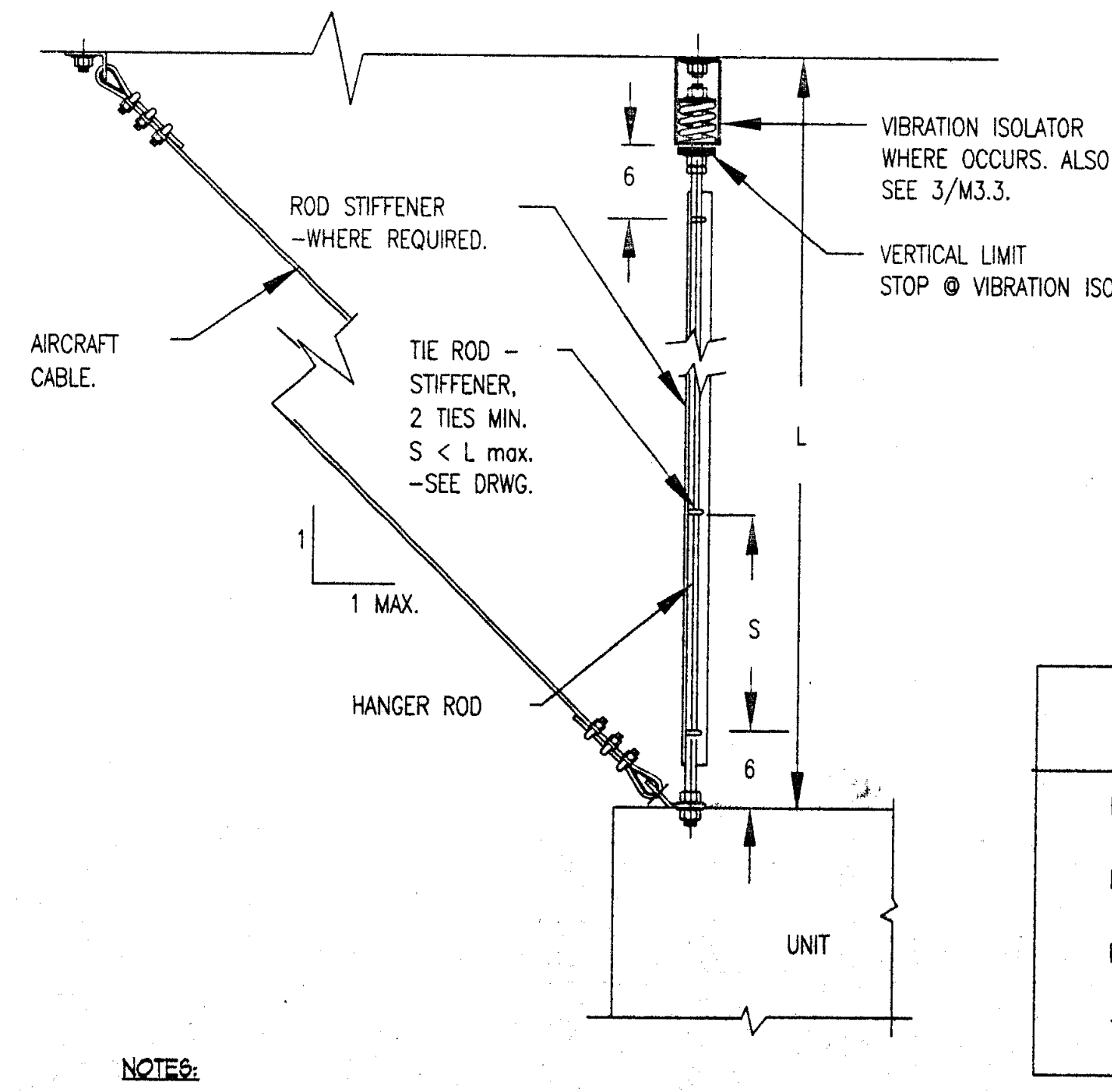
VIBRATION ISOLATOR FOR PUMP (P-3)

SCALE NONE ⑤



NOTES:
1. ALL ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

METHODS FOR TYING RODS AND ROD STIFFENERS



ROD DIA.	L max.
3/8 IN.	18 IN.
1/2	25
5/8	31
3/4	37
7/8	43
1	50

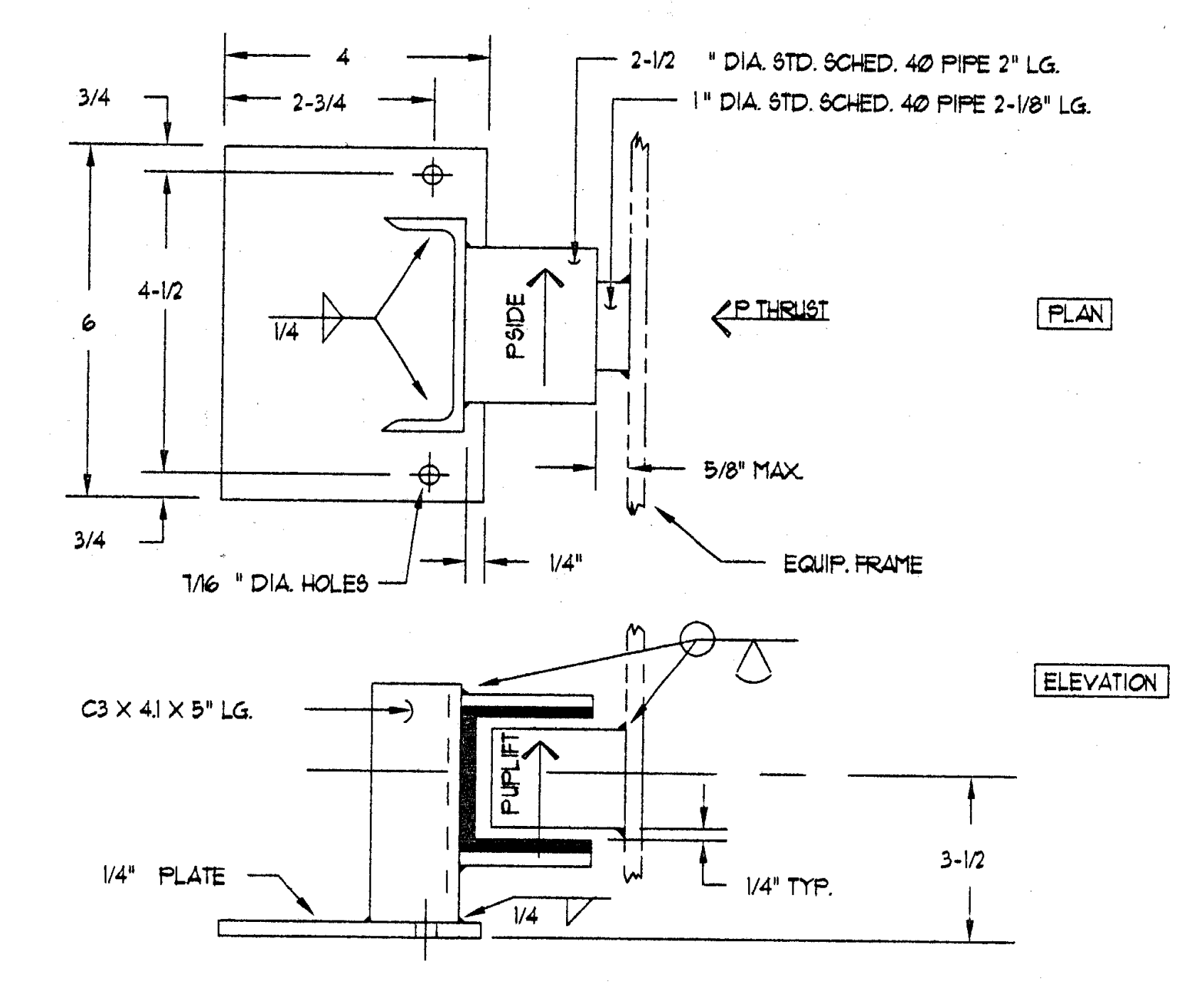
ROD STIFFENER	L limit (W/ROD STIFFENER)
L 1 X 1 X 1/8	39 IN.
L 1 1/2 X 1 1/2 X 3/16	59
L 2 X 2 X 1/8	80
1 5/8 X 1 5/8 X 12 GA	116

NOTES:
1. ALL ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

ROD STIFFENER REQUIREMENTS @ AIRCRAFT CABLE BRACING.

SCALE NONE ⑥

VIBREX TYPE S/R
3500-KA



ALLOWABLE LOADS:
P SIDE = 425 LBS.
P THRUST = 640 LBS.
P UPLIFT = 700 LBS.

THESE VALUES ARE
O.S.H.P.D / R-0029
PRE-APPROVED

NOTES:
1. VIBREX SERIES 3500 SEISMIC RESTRAINTS ARE DESIGNED TO RESTRAIN MOVEMENT IN ALL DIRECTIONS. WHEN RESTRAINT IS SUBJECT TO LOADING IN MORE THAN ONE DIRECTION SIMULTANEOUSLY: $\sum P/P_{ALLOW.} < 1$
2. RESTRAINT SHALL NOT BE IN CONTACT WITH INNER PIPE UNDER NORMAL OPERATING CONDITIONS.
3. RIBBED NEOPRENE PAD IS PROVIDED ON ALL CONTACT SURFACES.
4. USE 3/8" DIA. TRU BOLT REDHEAD EXPANSION ANCHORS WITH MIN. 3" EMBED. IN 3000 PSI. HARDROCK CONCRETE. TEST EVERY OTHER ANCHOR FOR 1560 lbs. PULLOUT.
5. ALL ANCHORAGE TO STRUCTURE SHOP DRAWINGS TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

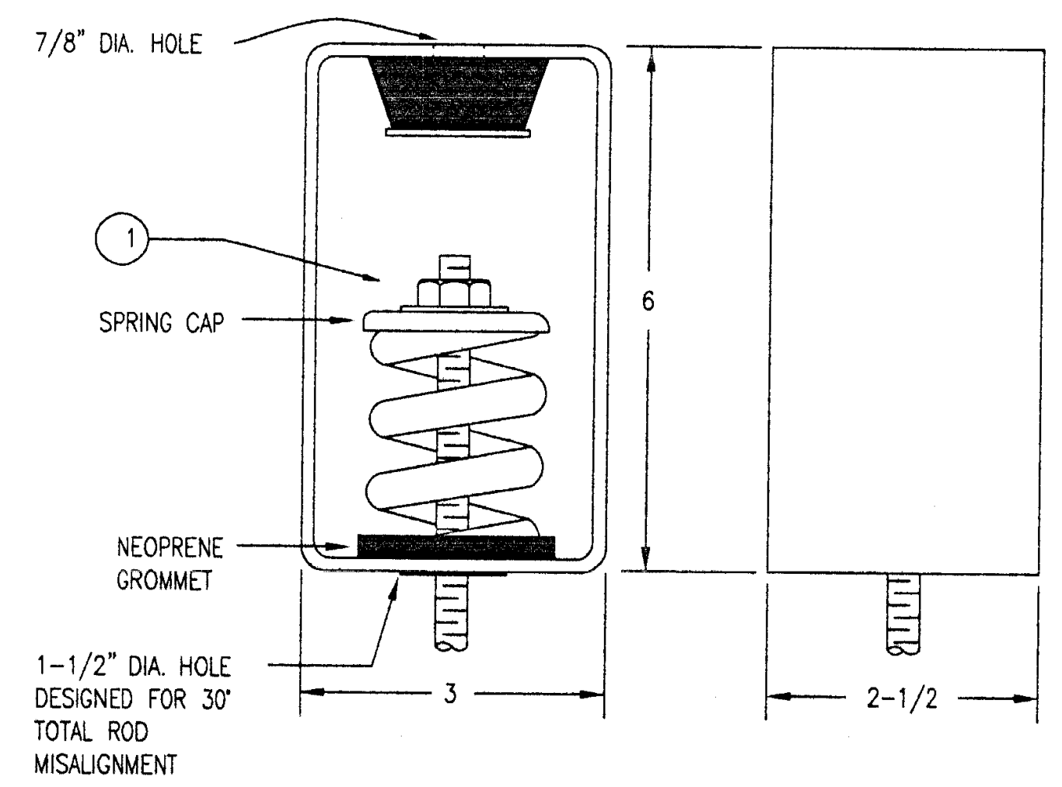
SEISMIC RESTRAINT DETAILS

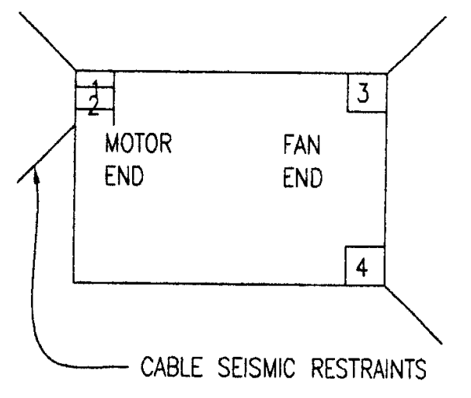
SCALE NONE ①

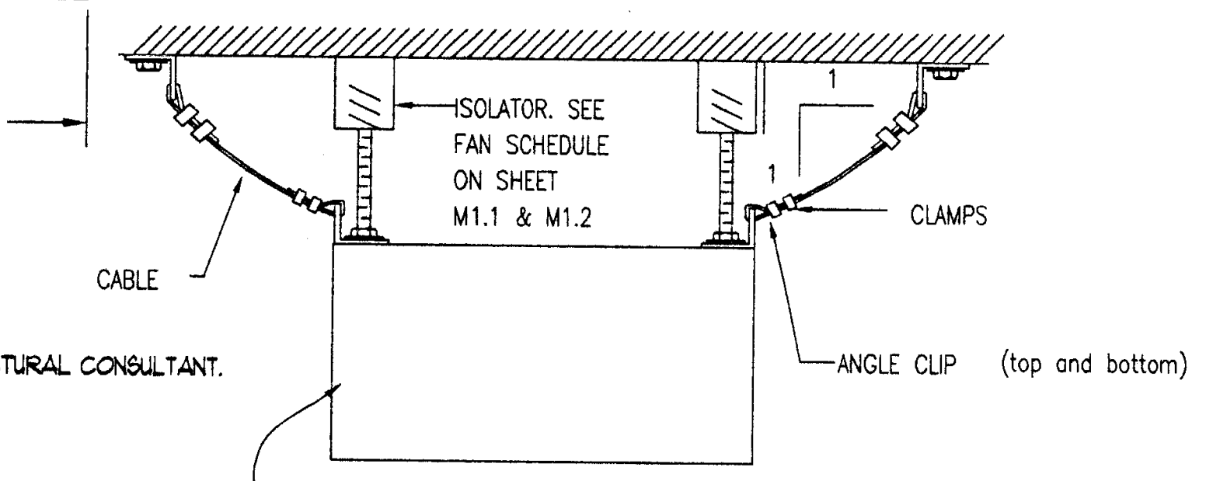
MARK	*MAKE*	*TYPE*	*SIZE*	*1*	*2*	*3*	*4*
AH1 THRU 58	TRANE	BCHB	12 TO 72				

SPRING	*O.D.*	*DEFL*	*LOAD*
HMXA 100	2.0"	1.0"	100

NOTE: 1. MAX. 1/2" DIA. ROD AND HARDWARE BY OTHERS.







CABINET FAN OR FAN COIL UNIT

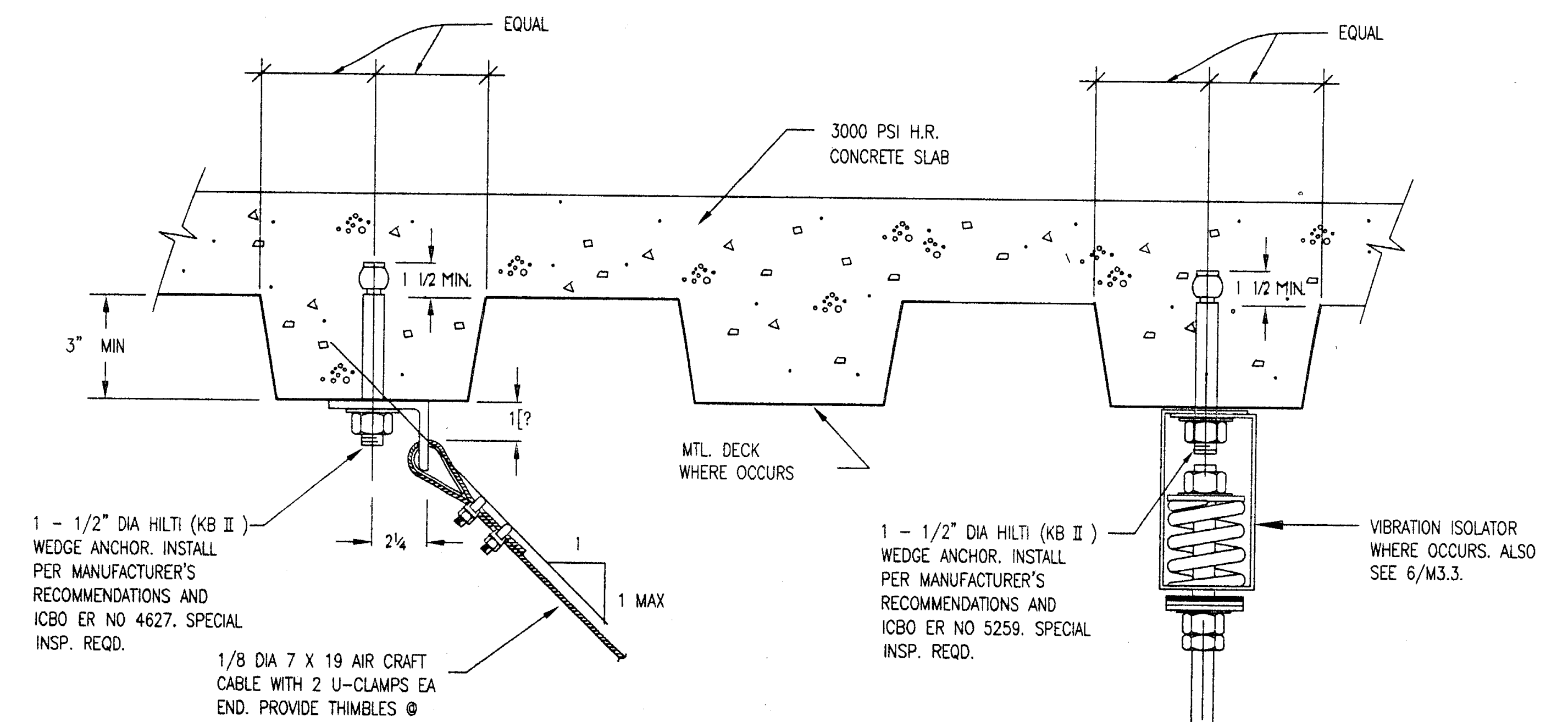
NOTES: 1) INSTALL CABLES WITH NO SLACK.

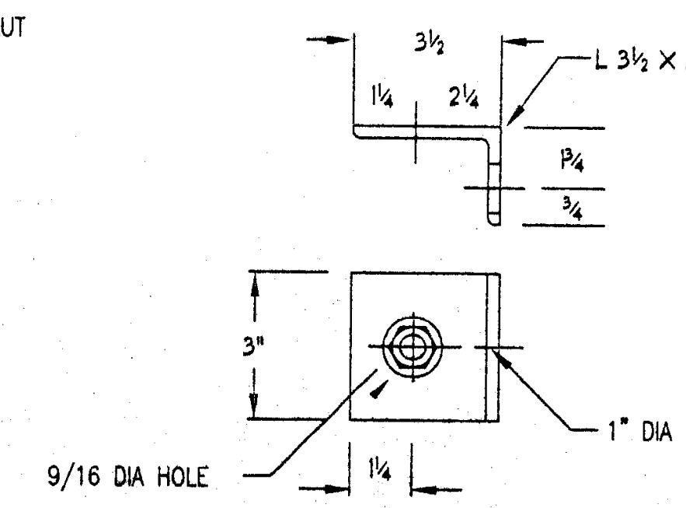
TYPICAL FAN COIL / AIR HANDLING UNIT INSTALLATION

NOTES:
1. ALL ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

VIBRATION ISOLATOR FOR FAN COIL UNIT

SCALE NONE ②





PLAN VIEW - ANCHOR PLATE.
(BY OTHERS)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ____ FLS ____ SS VAC 1LO
3-20-98

NOTES:
1. ALL ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

ANCHORAGE OF 1/8 INCH DIA AIR CRAFT CABLE IN CONCRETE & VIBRATION ISOLATOR

SCALE NONE ③

Jenkins/Gales & Martinez, Inc.
Project & Construction Management
5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721
Architects • Engineers • Planners

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CIVIL:
WAGNER ENGINEERING & SURVEY, INC.
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DSK LANDSCAPE ARCHITECTS
3333 WILSHIRE BLVD. SUITE 103
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KEY PLAN

NO.	DATE	BY	REVISION

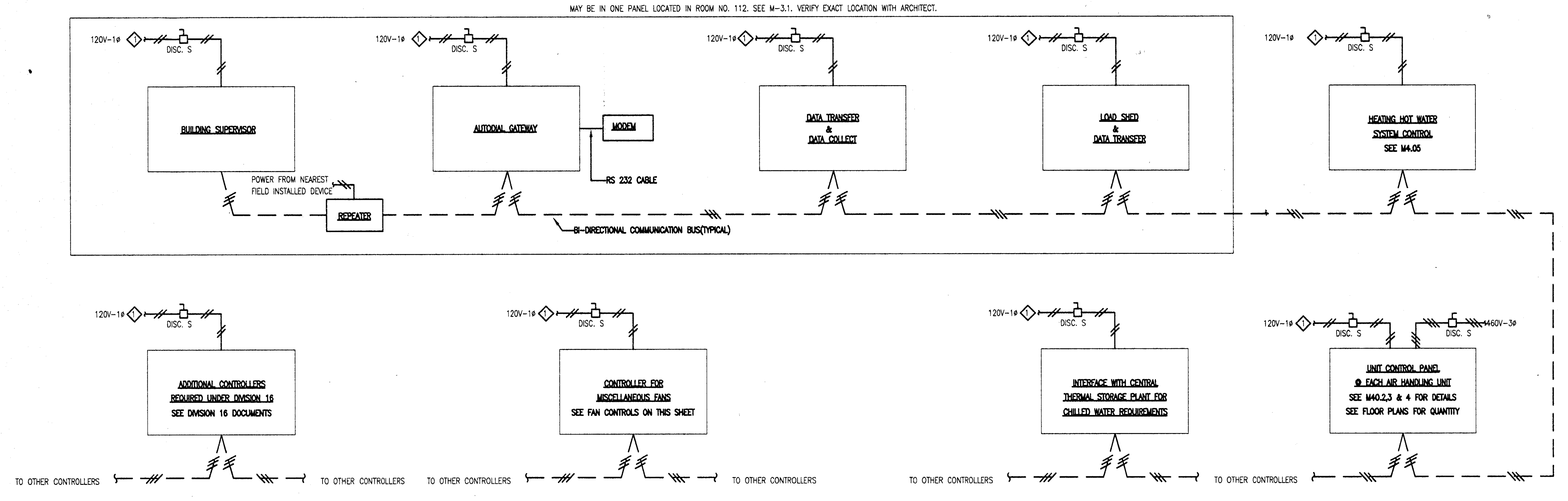
PROJECT
HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
DETAILS

FILE:
SCALE AS INDICATED
JOB NO. JGM
DATE
SHEET NO. *M3.3*
OF 14 SHEETS

MAY BE IN ONE PANEL LOCATED IN ROOM NO. 112. SEE M–3.1. VERIFY EXACT LOCATION WITH ARCHITECT.



1 FACILITY MANAGEMENT SYSTEM ARCHITECTURE

NOT TO SACLE

CONTROL NOTES:

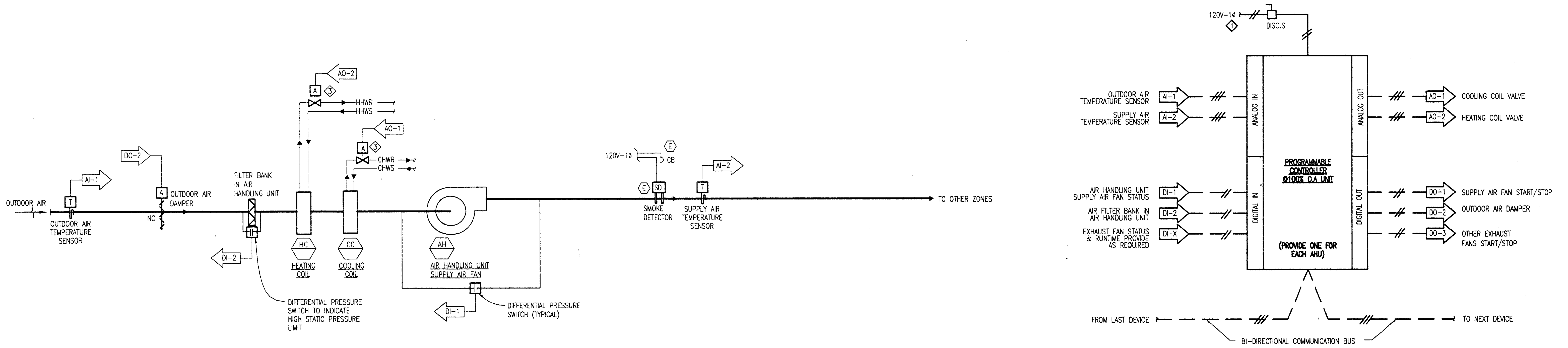
① FROM DEDICATED CONTROL POWER CIRCUIT UNDER DIVISION 16 WITH SURGE PROTECTION AND LINE NOISE REDUCTION.

SEQUENCE OF OPERATION OF FACILITY MANAGEMENT SYSTEM

1. THE FACILITY MANAGEMENT SYSTEM SHALL BE CAPABLE OF BEING PROGRAMMED TO PERFORM THE FOLLOWING FUNCTIONS.
    1. TIME OF DAY SCHEDULING WITH OPTIMAL START/STOP/WARM-UP AND PULLDOWN.
    2. TIMED OVERRIDE AND DOCUMENTATION OF AFTER-HOURS OPERATION.
    3. DUTY CYCLING WITH USER DEFINED ON/OFF PATTERNS.
    4. DEMAND LIMITING WITH MAXIMUM OFF TIME AND OPTIMUM TEMPERATURE LIMITS DEFINED TO ENSURE OCCUPANT COMFORT.
    5. DIRECT DIGITAL CONTROLS WITH CLOSED LOOP OPERATIONS TO DIRECTLY CONTROL HVAC PROCESSES THRU USER DEFINABLE PROPORTIONAL, INTEGRAL & DERIVATIVE VARIABLES.
    6. MONITOR EQUIPMENT RUNTIME AND MAINTENANCE.
    7. ALARM REPORTING AND RIGHT ALARM DIALLING.
2. SEE DIVISION 16 DOCUMENTS FOR CONTROLLERS REQUIRED UNDER DIVISION 16 AND THEIR SEQUENCE OF OPERATION.

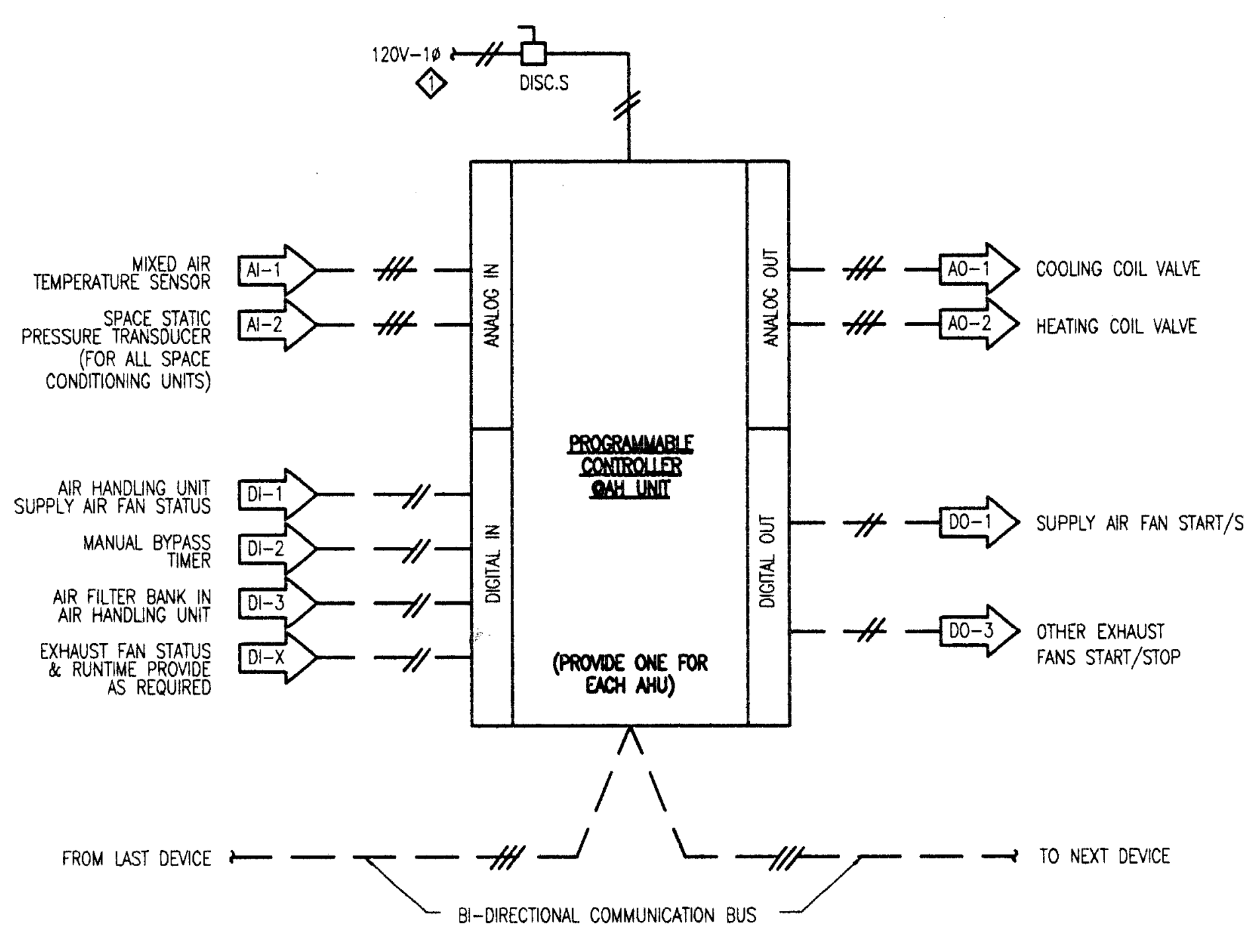
CONTROL LEGEND

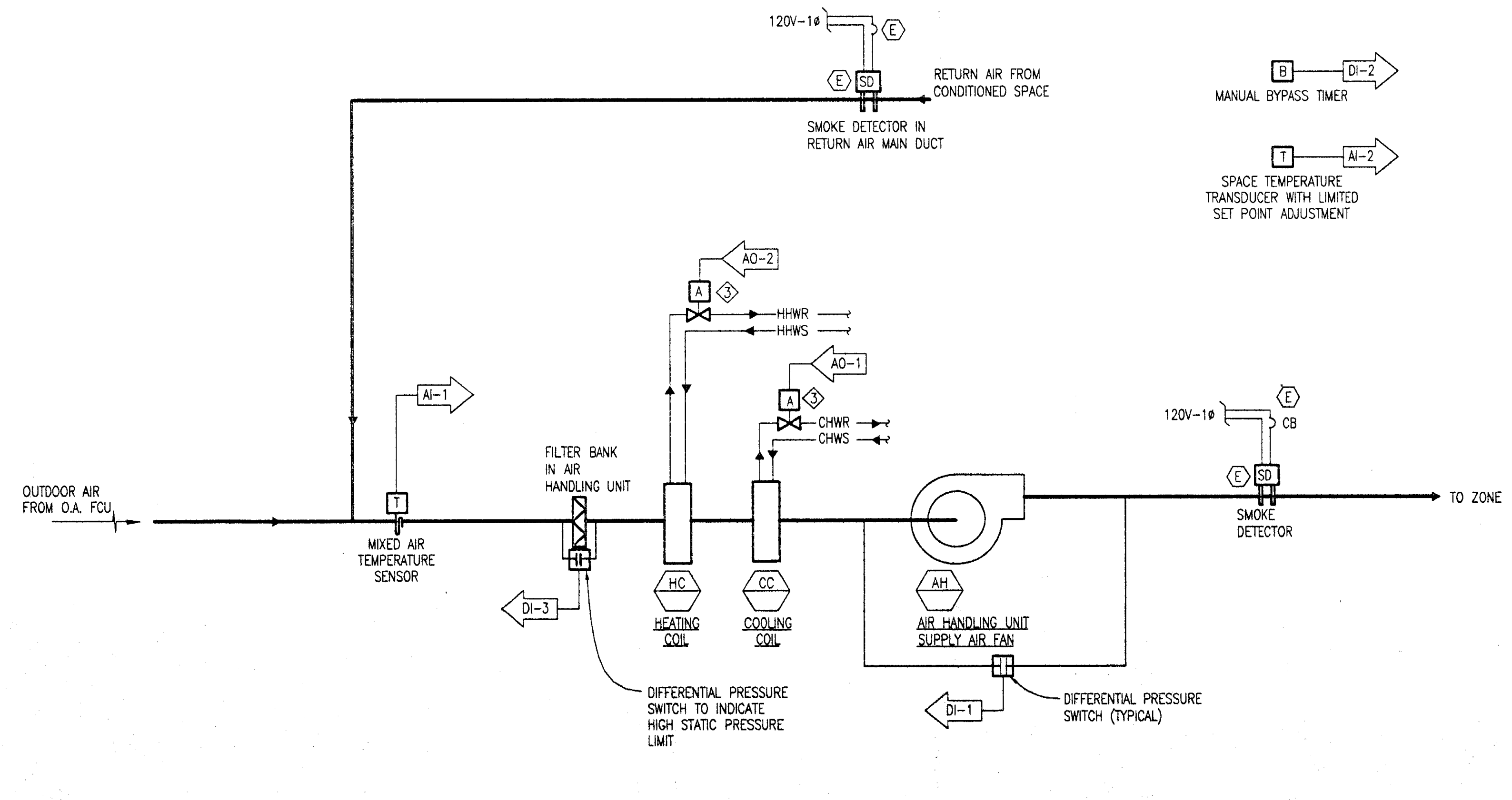
SYMBOL & ABBREVIATION	DESCRIPTION	
⟨E⟩	ITEM TO BE FURNISHED AND INSTALLED UNDER ELECTRICAL DIVISION	
Ⓣ Ⓗ S T.H.S.	ZONE TEMPERATURE SENSOR, HUMIDITY SENSOR, SWITCH	
OVL	SINGLE PHASE MOTOR W/BUILT-IN OVERLOAD PROTECTION	
MS	MAGNETIC STARTER	⟨E⟩
NO	NORMALLY OPEN ELECTRICAL CONTACT	⟨E⟩
NC	NORMALLY CLOSED ELECTRICAL CONTACT	⟨E⟩
CR	ELECTRICAL COIL RELAY	⟨E⟩
OVL	OVERLOAD PROTECTION	⟨E⟩
PL	PILOT LIGHT	⟨E⟩
CB	CIRCUIT BREAKER	⟨E⟩
	ON – OFF SWITCH	⟨E⟩
	HAND – OFF – AUTOMATIC SWITCH	⟨E⟩
DISC. S	DISCONNECT SWICTH	⟨E⟩
	ELECTRIC SWITCHING DEVICE	⟨E⟩
SD.	(SWITCH ACTIVATED BY) SMOKE DETECTOR	⟨E⟩
	FLOW SWITCH	
	TEMPERATURE SWITCH	
(EM)	ON EMERGENCY POWER	⟨E⟩
MCC MCC	MOTOR CONTROL CENTER	⟨E⟩
CP CP	CONTROL PANEL	
	LINE VOLTAGE	⟨E⟩
	LOW VOLTAGE	
	SLASHES INDICATE NO. OF WIRES	
NC., C., NO.	NORMALLY CLOSED. COMMON. NORMALLY OPEN	
FMS	FACILITY MANAGEMENT SYSTEM	
PC	PROGRAMMABLE CONTROLLER	
AO, AI	ANALOG OUTPUT, ANALOG INPUT	
DO, DI	DIGITAL OUTPUT, DIGITAL INPUT	
A	ACTUATOR FOR VALVE OR DAMPER	
U.O.N	UNLESS OTHERWISE NOTED	



2 100% OUTDOOR AIR UNIT CONTROLS (TYPICAL FOR UNIT IN HEALTH/SCIENCE BUILDING)

NOT TO SCALE (SEE SCHEDULES AND FLOOR PLANS TO IDENTIFY UNITS)





SEQUENCE OF OPERATION OF AIR HANDLING UNIT

1. AHU SHALL BE ACTIVATED THROUGH THE FACILITY MANAGEMENT
2. SUPPLY OR SPACE TEMPERATURE SHALL BE MAINTAINED AT SET POINT SYSTEM. THRU INPUT FROM THE SUPPLY AIR OR SPACE TEMPERATURE SENSORS & MODULATION OF THE CHILLED & HOT WATER FLOW CONTROL VALVES.
3. DE-ACTIVATE AIR HANDLING UNITS AND ALL ASSOCIATED EXHAUST FANS IF SMOKE IS DETECTED IN EITHER SUPPLY OR RETURN AIR OR IF DETERMINED BY THE BUILDING FIRE ALARM SYSTEM.
4. MANUAL BYPASS TIMER SHALL ALSO ACTIVATE CHILLED OR HOT WATER SYSTEM & ASSOCIATED OUTDOOR AIR HANDLING UNIT.

NOTES

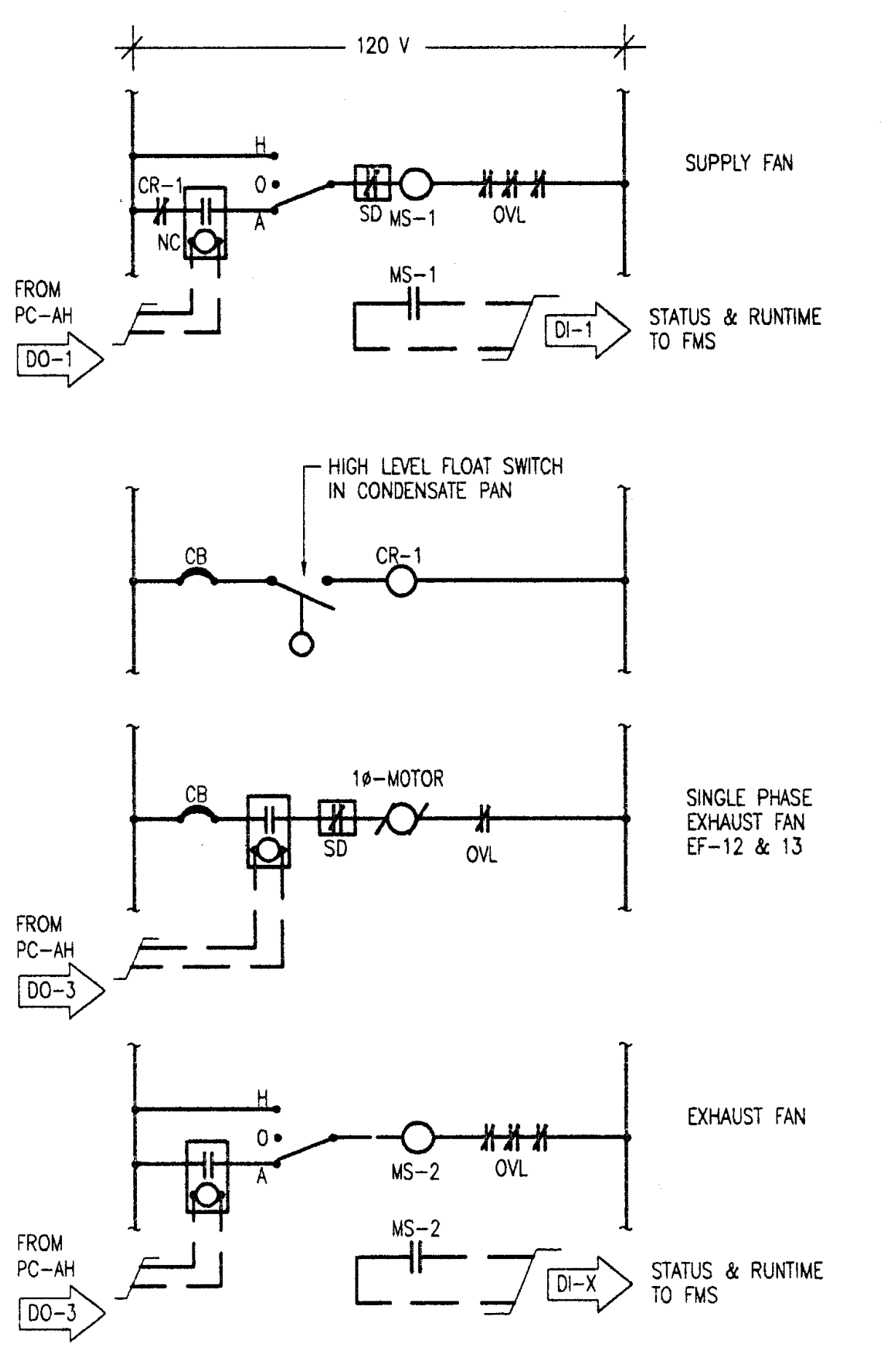
① FROM DEDICATED CONTROL POWER CIRCUIT UNDER DIVISION 16 WITH SURGE PROTECTION & LINE NOISE REDUCTION.

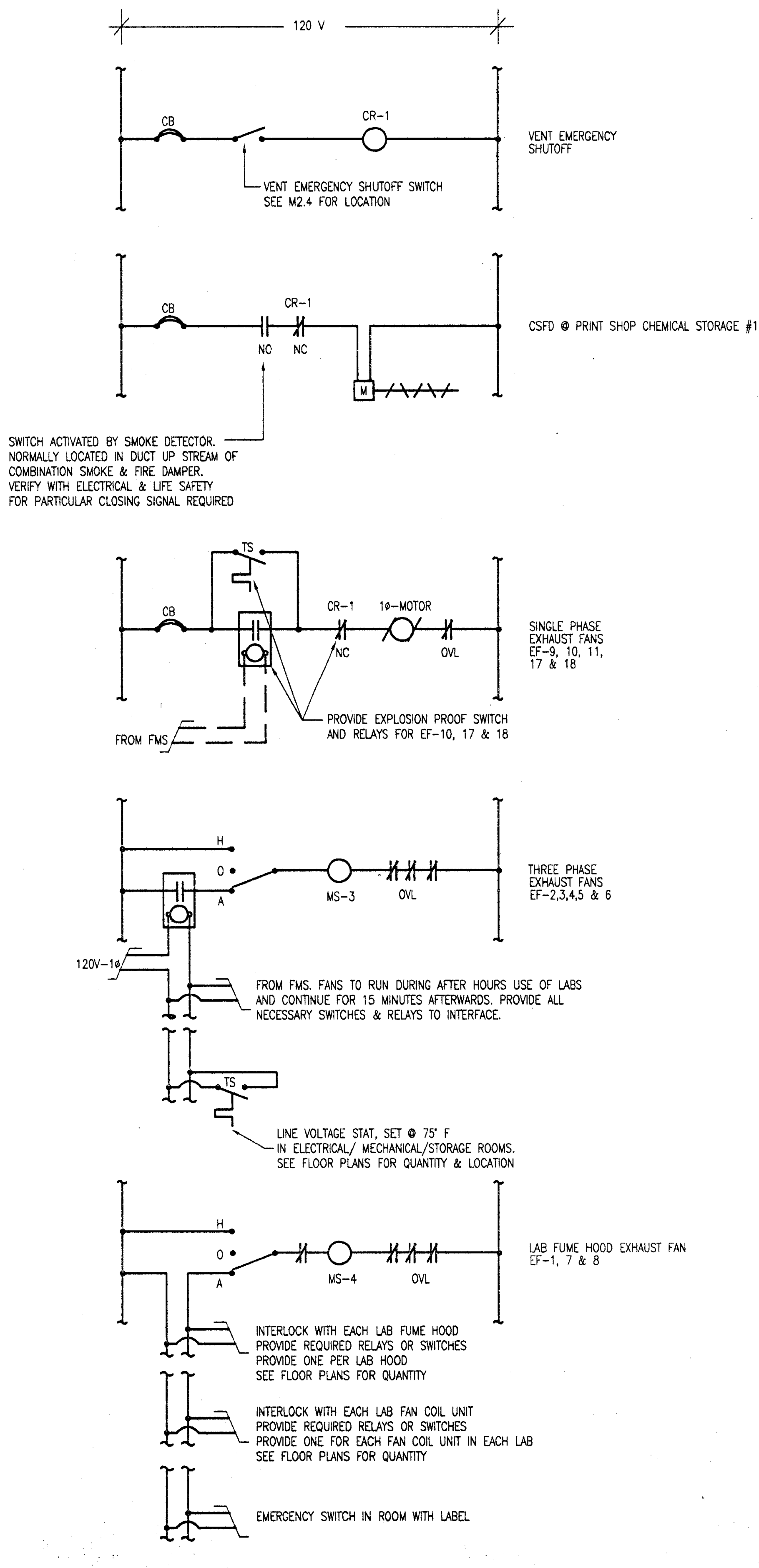
② EXACT LOCATION OF THIS POWER SUPPLY TO BE PROVIDED BY FACILITY MANAGEMENT SYSTEM INSTALLER TO THE ELECTRICAL INSTALLER.

③ SEE M3.2 FOR COIL PIPING DETAILS.
PROVIDE 3-WAY CONTROL VALVES FOR COILS LOCATED AT THE END OF A PIPE RUN.

3 AHU CONTROLS (TYPICAL FOR UNITS IN HEALTH/SCIENCE BUILDING)

NOT TO SCALE. (SEE SCHEDULES & FLOOR PLANS TO IDENTIFY UNITS)





4 MISCELLANEOUS CONTROLS

NOT TO SACLE

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PLOT DATE: 12.22.97

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ARCHITECTURE

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CHECKED JS
APPROVED

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CONTROLS

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SCALE NOT TO SCALE
JOB NO. JGM
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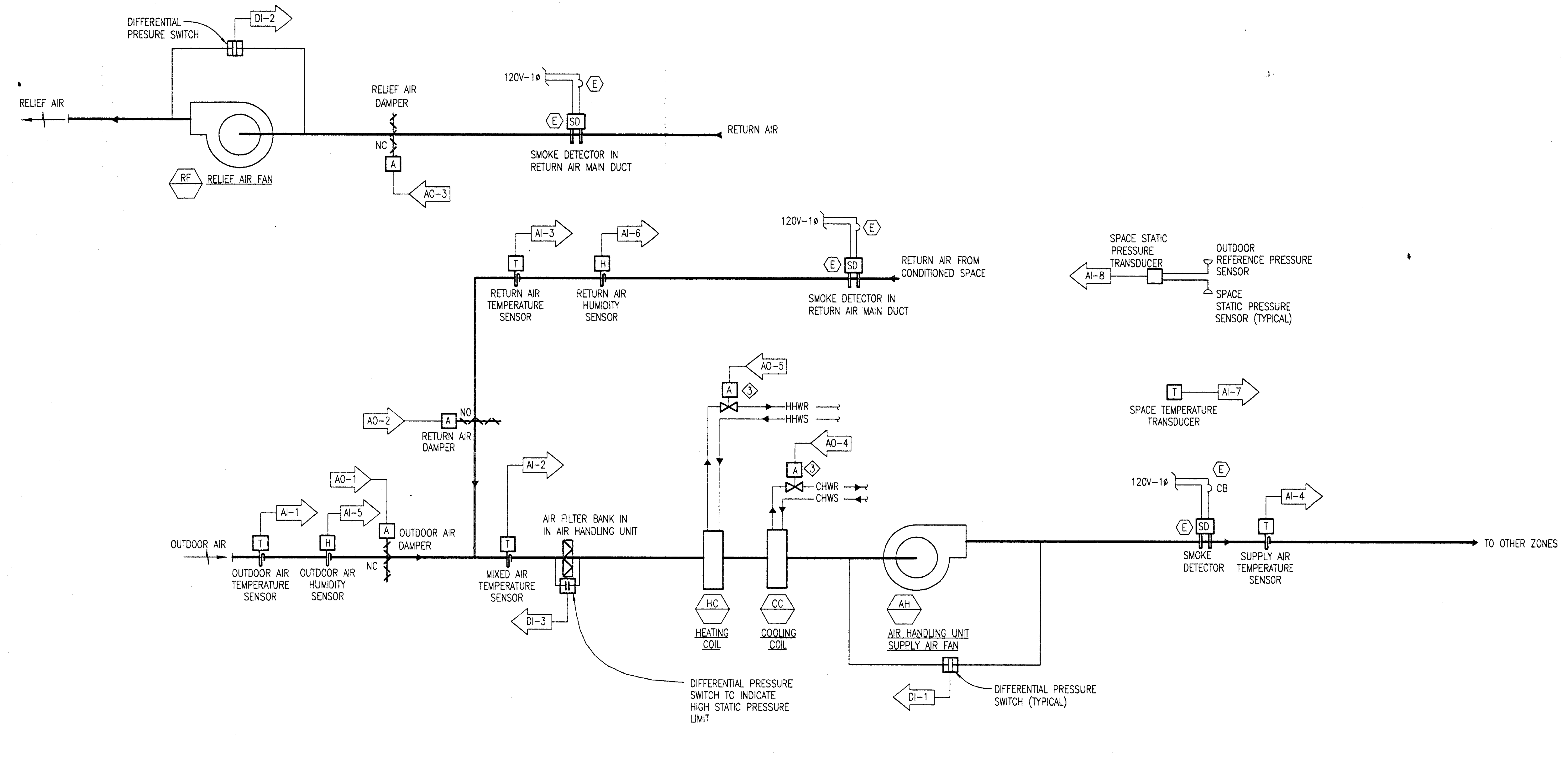
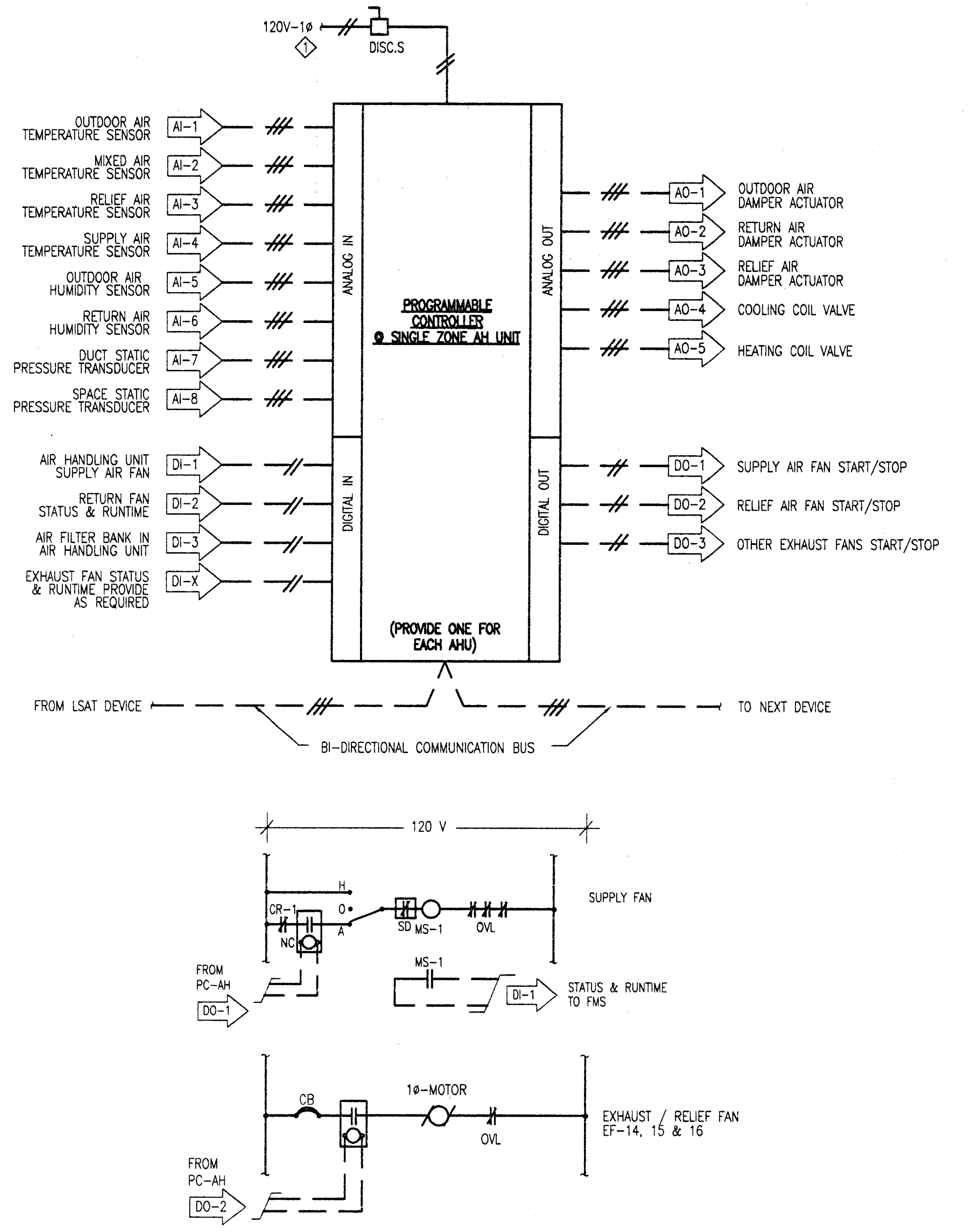
SHEET NO.
M4.1
OF 14 SHEETS

97120M41.DWG UPDATE: 12/22/97



① SINGLE ZONE AIR HANDLING UNIT CONTROLS (TYPICAL FOR AH- 60)

NOT TO SCALE



SEQUENCE OF OPERATION OF SINGLE ZONE AIR HANDLING UNIT

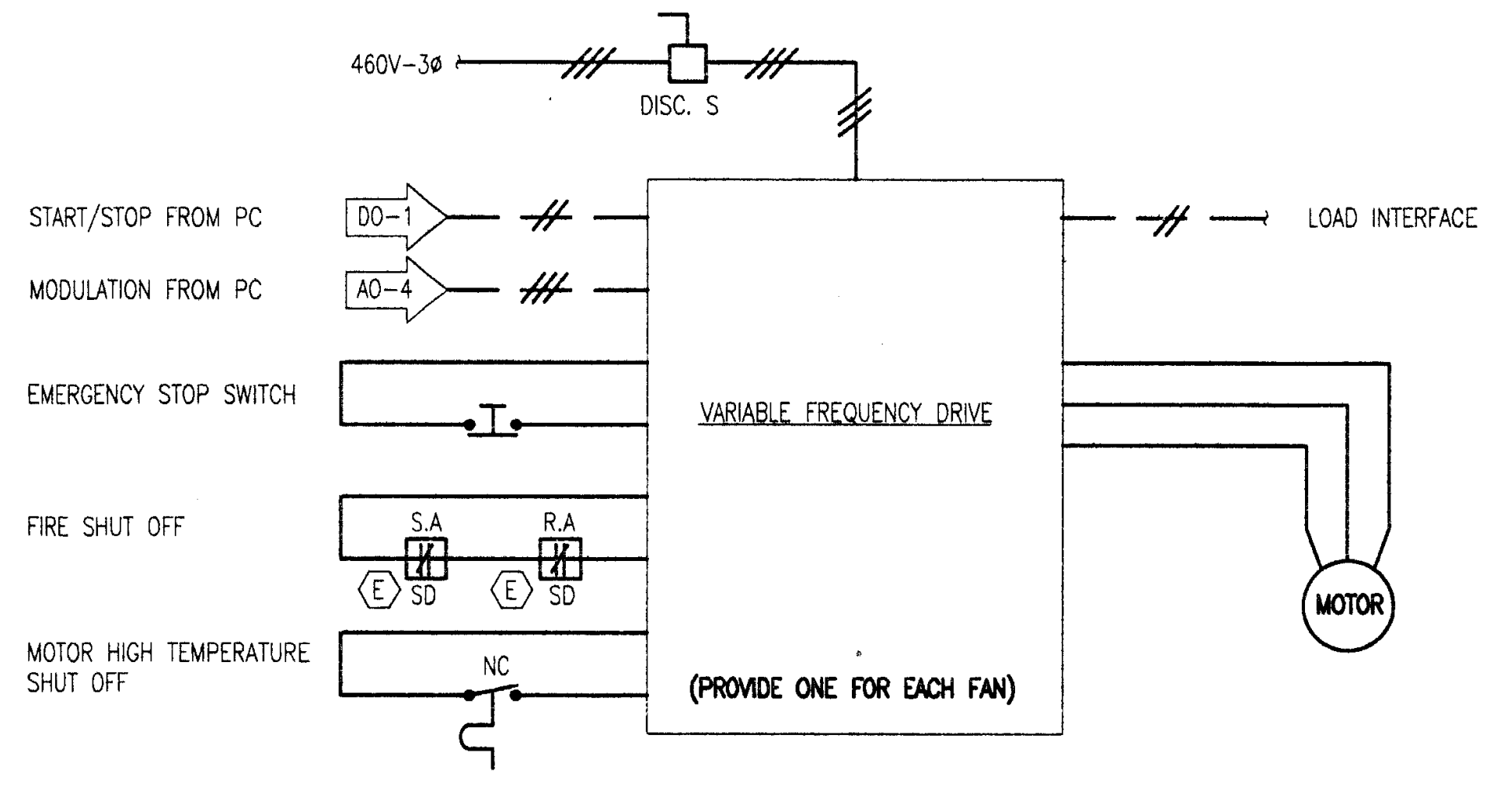
1. AHU SHALL BE ACTIVATED THROUGH THE FACILITY MANAGEMENT SYSTEM.
2. SUPPLY TEMPERATURE SHALL BE MAINTAINED AT SET POINT THRU INPUT FROM THE SPACE, TEMPERATURE SENSOR AND MODULATION OF THE PREHEAT AND COOLING COIL WATER FLOW CONTROL VALVES.
3. WHEN AHU IS IN OPERATION, RETURN AIR, RELIEF AIR AND OUTDOOR AIR DAMPERS SHALL BE IN SUCH POSITIONS THAT THE MINIMUM OUTDOOR AIR REQUIREMENTS ARE MET WITHOUT UNDUE PRESSURIZATION OF THE CONDITIONED SPACE.
4. WHEN OUTDOOR AIR ENTHALPY IS GREATER THAN RETURN AIR ENTHALPY OR WHEN OUTDOOR AIR TEMPERATURE IS GREATER THAN RETURN AIR TEMPERATURE, THE OUTDOOR AIR DAMPER SHALL BE PLACED IN MINIMUM POSITION. RETURN AIR DAMPER SHALL OPEN.
5. WHEN OUTDOOR AIR ENTHALPY IS LESS THAN RETURN AIR, SUPPLY AND OUTDOOR AIR TEMPERATURE IS LESS THAN RETURN AIR TEMPERATURE, THE OUTDOOR AIR AND RETURN AIR DAMPERS SHALL MODULATE PROPORTIONALLY TO OBTAIN FREE COOLING AS DETERMINED BY THE SUPPLY AIR CONTROLLER. A MIXED AIR TEMPERATURE LOW LIMIT SHALL BE MAINTAINED AT AN ADJUSTABLE SETPOINT.
6. RELIEF AIR FAN CAPACITY SHALL BE ACTIVATED THRU INPUT FROM A STATIC PRESSURE SENSOR LOCATED IN CONDITIONED SPACE.
7. DE-ACTIVATE AHU, RELIEF FAN AND ALL ASSOCIATED EXHAUST FANS IF SMOKE IS DETECTED IN EITHER SUPPLY OR RETURN AIR OR IF DETERMINED BY THE BUILDING FIRE ALARM SYSTEM.
8. WARM UP AND PULL DOWN SHALL BE AS FOLLOWS.
    1. IF SPACE TEMPERATURE IS LOWER THAN 72°F. AT START TIME, CONTROL VALVES ON ALL HEATING COILS SHALL FULLY OPEN, ALL TERMINALS SHALL FULLY OPEN, RETURN AIR DAMPER SHALL FULLY OPEN AND OUTDOOR AIR DAMPER SHALL FULLY CLOSE UNTIL SPACE TEMPERATURE SET POINT IS ACHIEVED.
    2. IF SPACE TEMPERATURE IS HIGHER THAN 78°F. AT START TIME, CONTROL VALVES ON ALL COOLING COILS SHALL FULLY OPEN, ALL TERMINALS SHALL FULLY OPEN, RETURN AIR DAMPER SHALL FULLY OPEN AND OUTDOOR AIR DAMPER SHALL FULLY CLOSE UNTIL SPACE TEMPERATURE SET POINT IS ACHIEVED.

NOTES

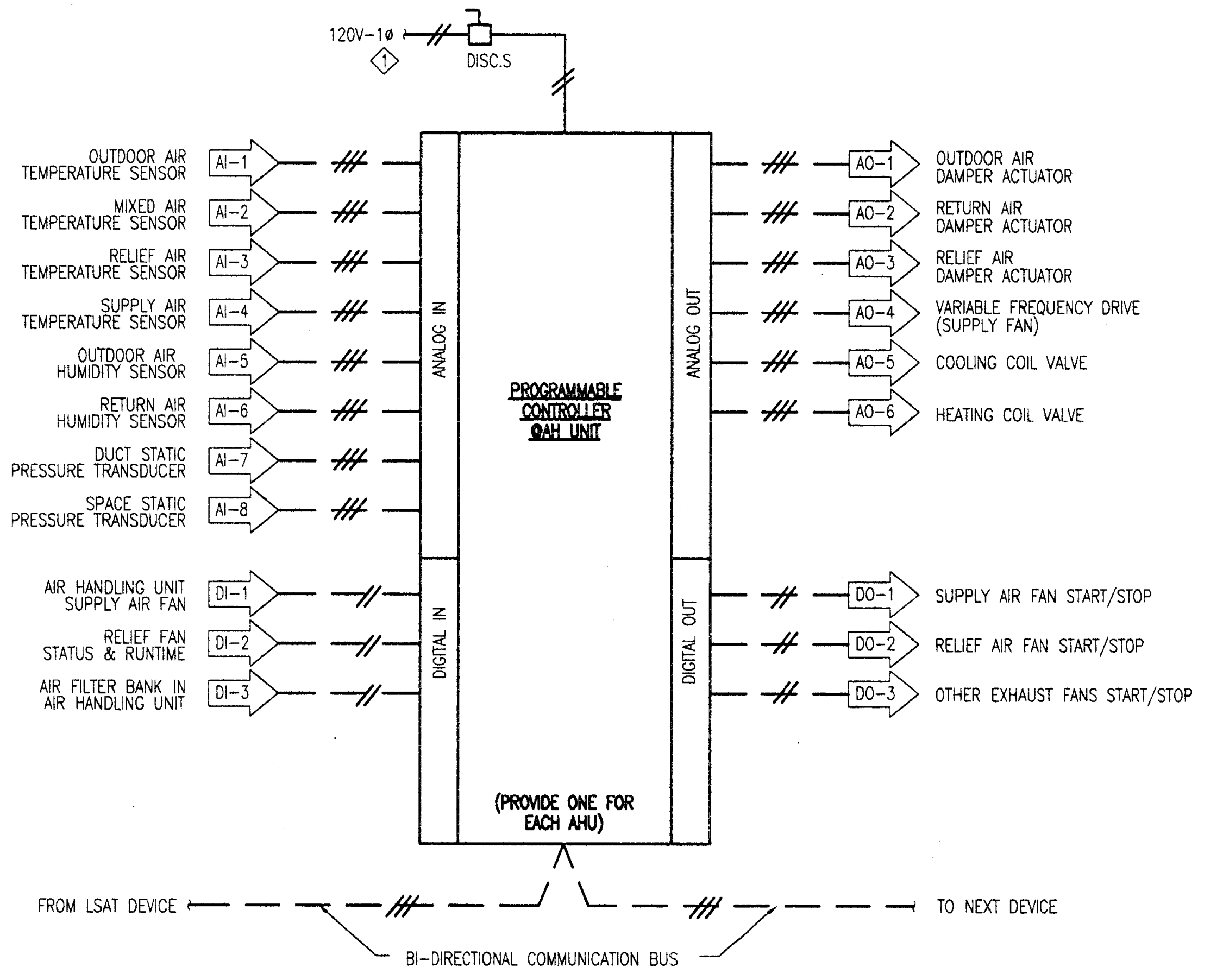
◇1 FROM DEDICATED CONTROL POWER CIRCUIT UNDER DIVISION 16 WITH SURGE PROTECTION & LINE NOISE REDUCTION.

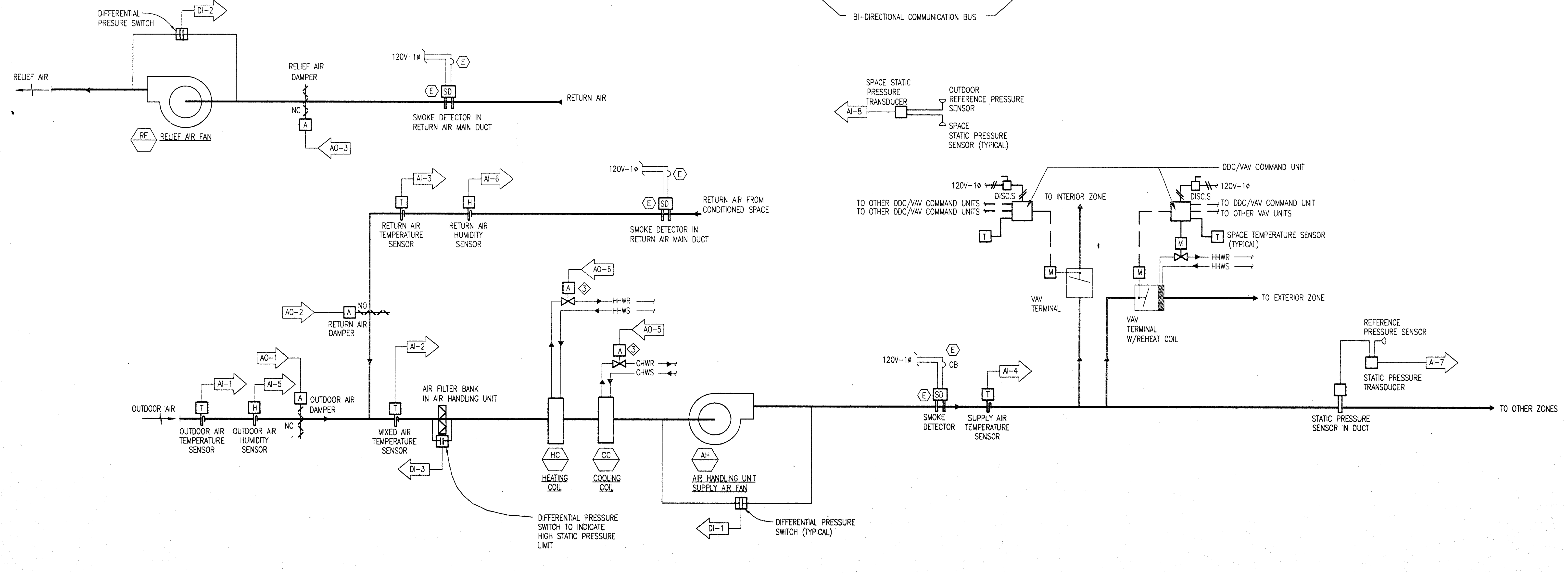
◇2 EXACT LOCATION OF THIS POWER SUPPLY TO BE PROVIDED BY FACILITY MANAGEMENT SYSTEM INSTALLER TO THE ELECTRICAL INSTALLER.

◇3 SEE M3.2 FOR COIL PIPING DETAILS.
PROVIDE 3-WAY CONTROL VALVES FOR COILS LOCATED AT THE END OF A PIPE RUN.



TYPICAL VARIABLE FREQUENCY DRIVE WIRING





② VAV SYSTEM AIR HANDLING UNIT CONTROLS (TYPICAL FOR AH-58 & 59)

NOT TO SCALE

PLOT DATE: 12.22.97

SEQUENCE OF OPERATION OF AIR HANDLING UNIT

1. AHU SHALL BE ACTIVATED THROUGH THE FACILITY MANAGEMENT SYSTEM.
2. SUPPLY TEMPERATURE SHALL BE MAINTAINED AT SET POINT (55°F NORMAL)THRU INPUT FROM THE SUPPLY AIR, RETURN AIR STREAM AND MIXED AIR STREAM TEMPERATURE SENSORS AND MODULATION OF THE PREHEAT AND COOLING COIL WATER FLOW CONTROL VALVES.
3. WHEN AHU IS IN OPERATION, RETURN AIR, RELIEF AIR AND OUTDOOR AIR DAMPERS SHALL BE IN SUCH POSITIONS THAT THE MINIMUM OUTDOOR AIR REQUIREMENTS ARE MET WITHOUT UNDUE PRESSURIZATION OF THE CONDITIONED SPACE. OUTDOOR AIR SHALL BE INCREASED TO SATISFY THE AIR QUALITY MONITOR.
4. WHEN OUTDOOR AIR ENTHALPY IS GREATER THAN RETURN AIR ENTHALPY OR WHEN OUTDOOR AIR TEMPERATURE IS GREATER THAN RETURN AIR TEMPERATURE, THE OUTDOOR AIR DAMPER SHALL BE PLACED IN MINIMUM POSITION. RETURN AIR DAMPER SHALL OPEN.
5. WHEN OUTDOOR AIR ENTHALPY IS LESS THAN RETURN AIR, SUPPLY AND OUTDOOR AIR TEMPERATURE IS LESS THAN RETURN AIR TEMPERATURE, THE OUTDOOR AIR AND RETURN AIR DAMPERS SHALL MODULATE PROPORTIONALLY TO OBTAIN FREE COOLING AS DETERMINED BY THE SUPPLY AIR CONTROLLER. A MIXED AIR TEMPERATURE LOW LIMIT SHALL BE MAINTAINED AT AN ADJUSTABLE SETPOINT.
6. SPACE TEMPERATURE DURING PART LOAD PERIODS IN A ZONE SHALL BE CONTROLLED BY A SHUT-OFF VAV TERMINAL. A SHUT-OFF VAV TERMINAL WITH A REHEAT COIL SHALL BE PROVIDED FOR EXTERIOR ZONES. REHEAT SHALL BE LOCKED OUT UNTIL SUPPLY AIR QUANTITY HAS BEEN REDUCED TO 50% OF PEAK.
7. SUPPLY TEMPERATURE SHALL BE RESET HIGHER TO SATISFY THE WARMEST ZONE WITH DAMPERS FULLY OPEN THRU INPUT FROM THE SPACE SENSORS. (TO PROVIDE HIGHER AIRFLOW FOR IAQ)
8. SUPPLY AIR FAN CAPACITY SHALL BE MODULATED BY A VARIABLE FREQUENCY DRIVE THRU INPUT FROM A MINIMUM OF THREE STATIC PRESSURE SENSOR LOCATED IN BRANCH DUCTS 2/3 OF DUCT RUN DOWN STREAM OF AIR HANDLING UNIT.
9. RELIEF AIR FAN CAPACITY SHALL BE ACTIVATED THRU INPUT FROM A STATIC PRESSURE SENSOR LOCATED IN CONDITIONED SPACE.
10. DE-ACTIVATE AHU, RELIEF FAN AND ALL ASSOCIATED EXHAUST FANS IF SMOKE IS DETECTED IN EITHER SUPPLY OR RETURN AIR OR IF DETERMINED BY THE BUILDING FIRE ALARM SYSTEM.
11. WARM UP AND PULL DOWN SHALL BE AS FOLLOWS.
    1. IF SPACE TEMPERATURE IS LOWER THAN 72°F. AT START TIME, CONTROL VALVES ON ALL HEATING COILS SHALL FULLY OPEN, ALL TERMINALS SHALL FULLY OPEN, RETURN AIR DAMPER SHALL FULLY OPEN AND OUTDOOR AIR DAMPER SHALL FULLY CLOSE UNTIL SPACE TEMPERATURE SET POINT IS ACHIEVED.
    2. IF SPACE TEMPERATURE IS HIGHER THAN 78°F. AT START TIME, CONTROL VALVES ON ALL COOLING COILS SHALL FULLY OPEN, ALL TERMINALS SHALL FULLY OPEN, RETURN AIR DAMPER SHALL FULLY OPEN AND OUTDOOR AIR DAMPER SHALL FULLY CLOSE UNTIL SPACE TEMPERATURE SET POINT IS ACHIEVED.

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DATE 3-20-98

NOTES

◇1 FROM DEDICATED CONTROL POWER CIRCUIT UNDER DIVISION 16 WITH SURGE PROTECTION & LINE NOISE REDUCTION.

◇2 EXACT LOCATION OF THIS POWER SUPPLY TO BE PROVIDED BY FACILITY MANAGEMENT SYSTEM INSTALLER TO THE ELECTRICAL INSTALLER.

◇3 SEE M3.2 FOR COIL PIPING DETAILS.
PROVIDE 3-WAY CONTROL VALVES FOR COILS LOCATED AT THE END OF A PIPE RUN.

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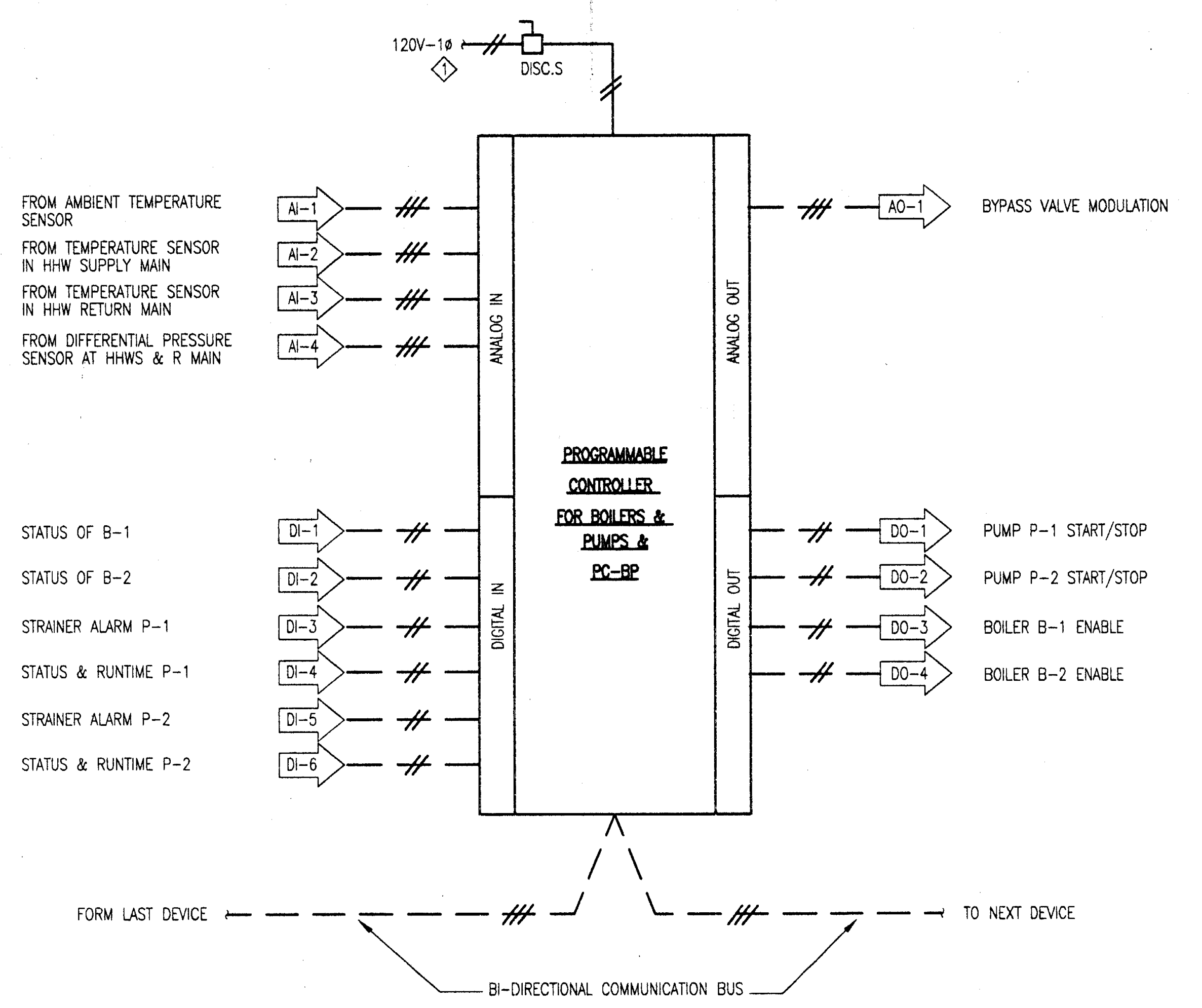
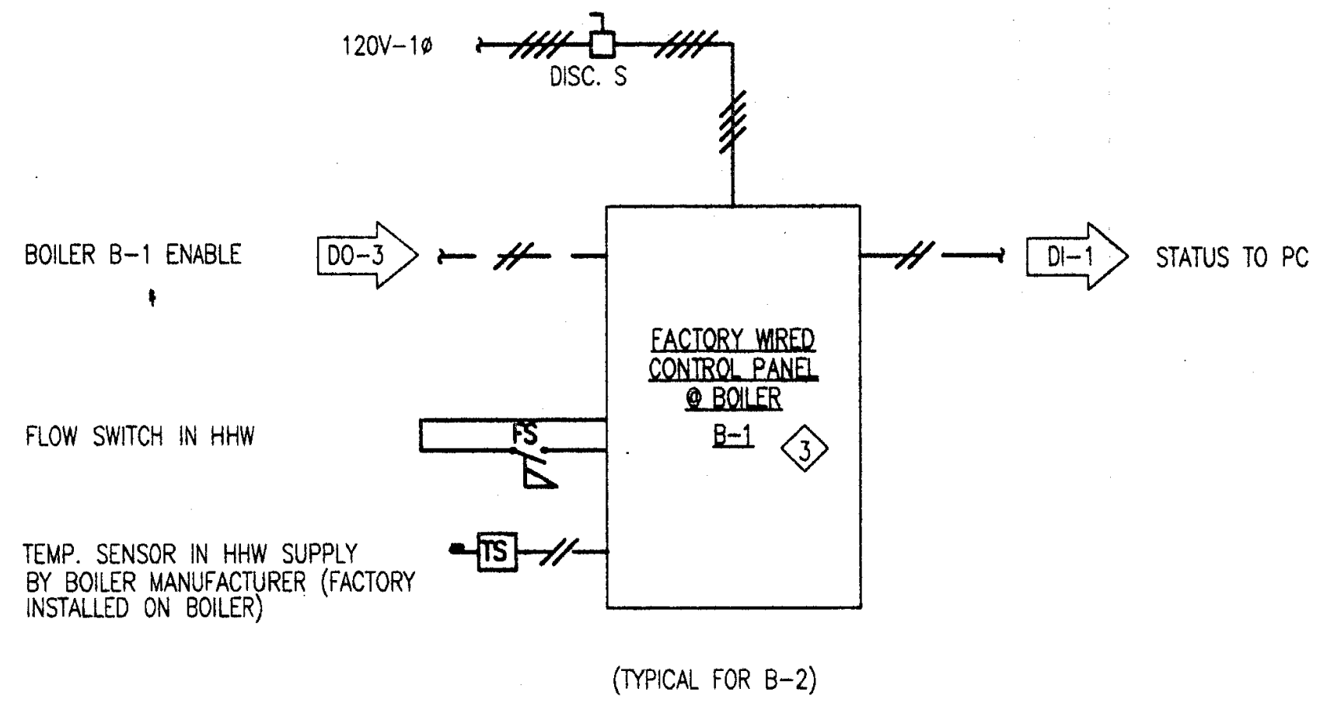
SHEET TITLE

CONTROLS

FILE:	SHEET NO. M4.2
SCALE NOT TO SCALE	
JOB NO. JGM	
DATE	OF 14 SHEETS





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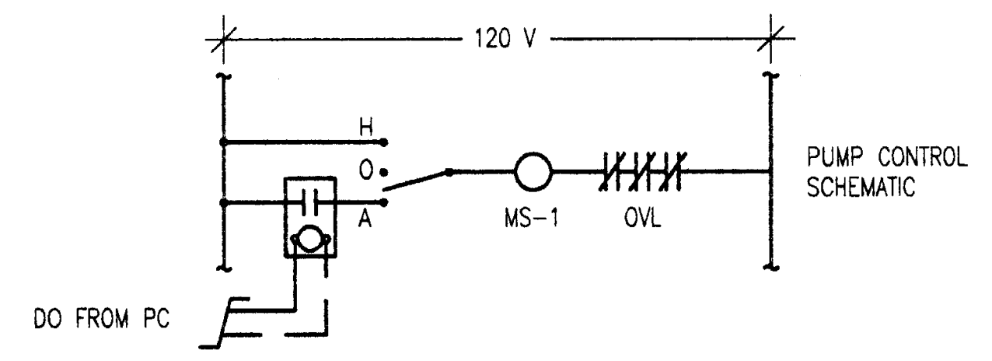
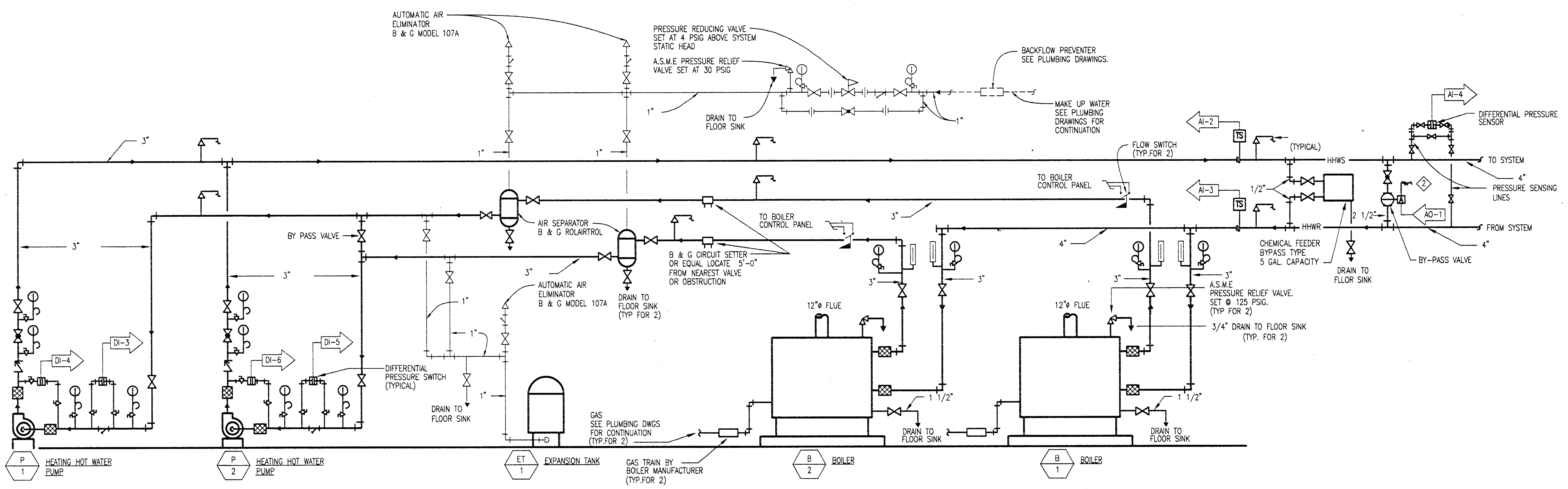




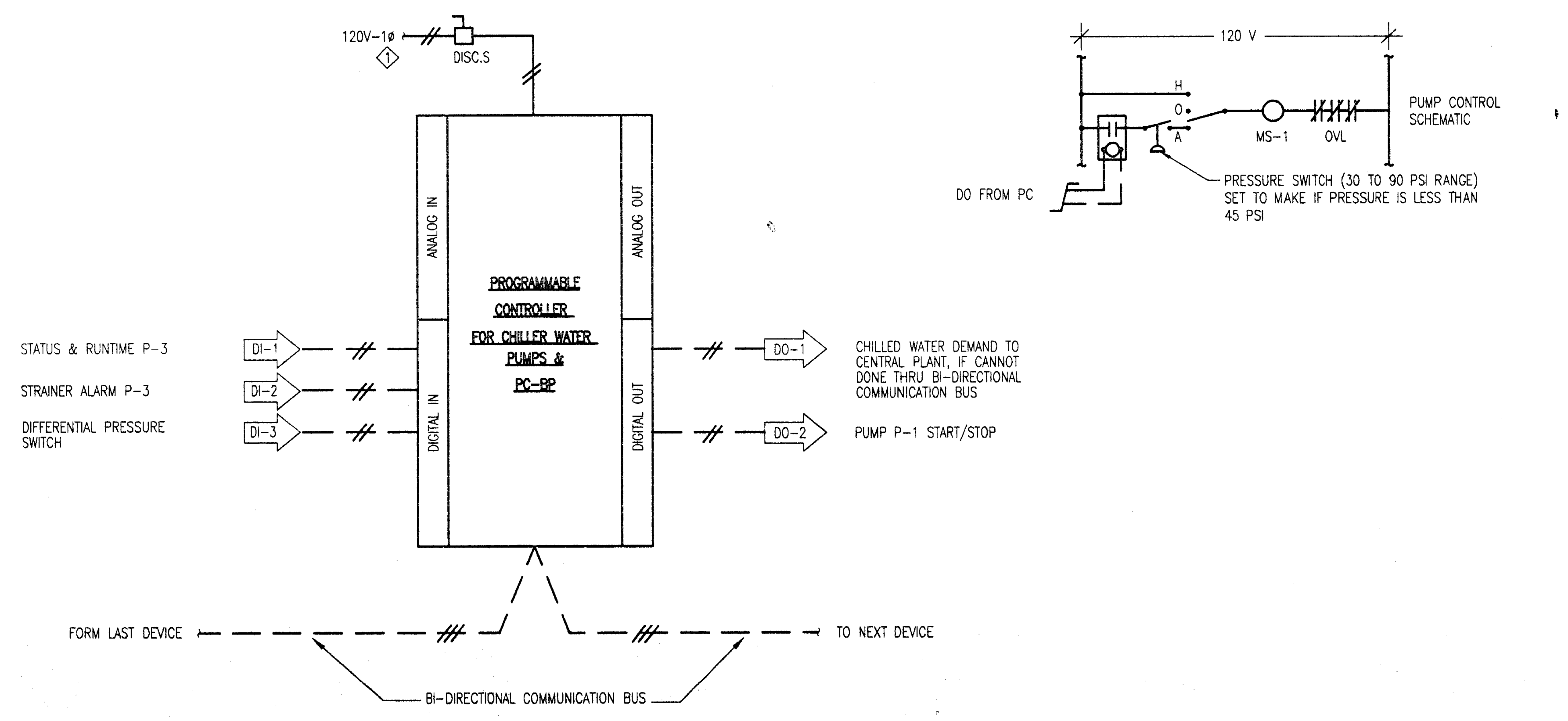
HEATING HOT WATER SYSTEM SCHEMATIC PIPING & CONTROLS

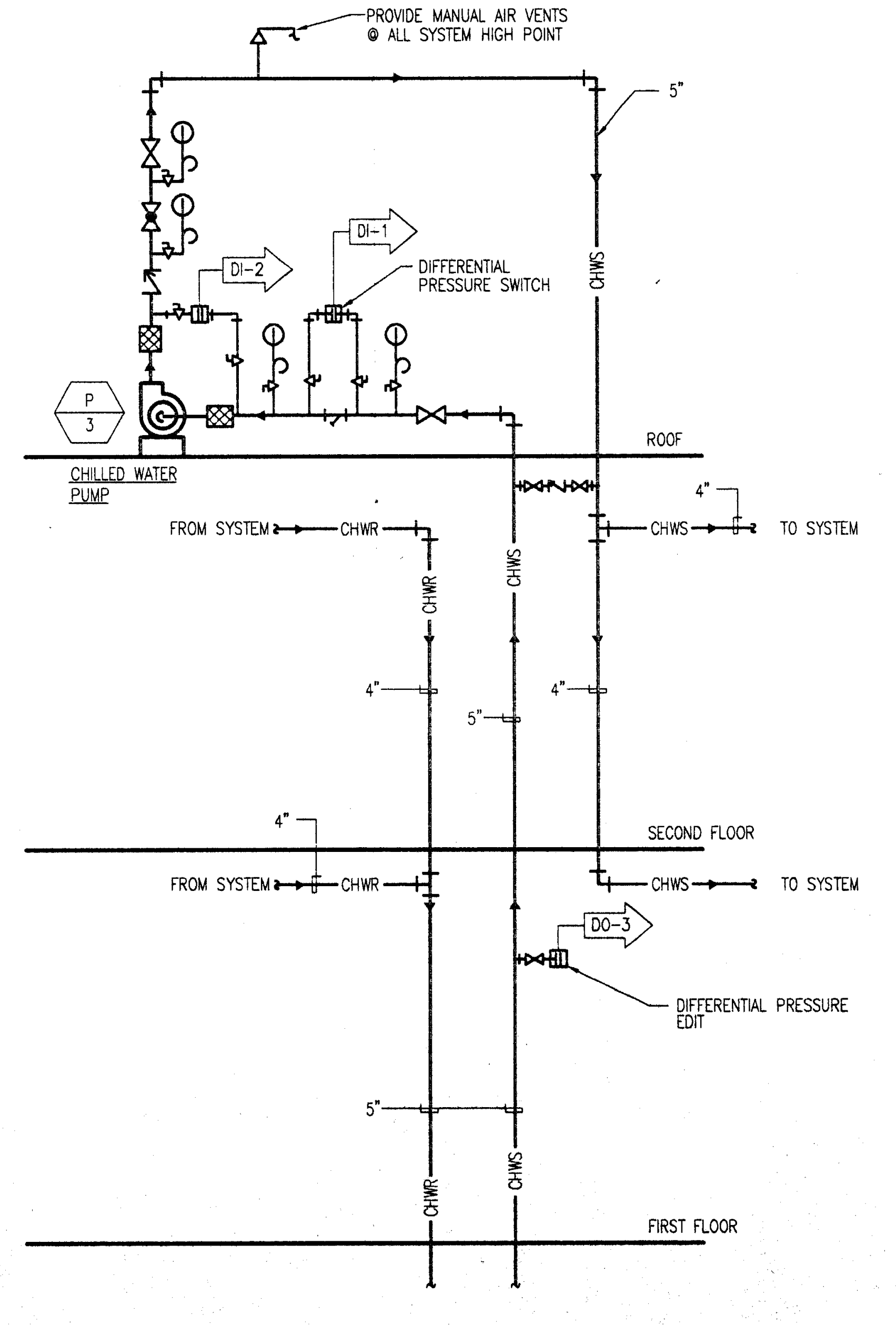
SEQUENCE OF OPERATION OF HEATING HOT WATER SYSTEM

1. LEAD BOILER AND ACCOMPANYING HEATING HOT WATER PUMP SHALL BE ACTIVATED UPON HEATING DEMAND AT ANY AHU.
2. THE LAG BOILER AND ACCOMPANYING HEATING HOT WATER PUMP SHALL BE ACTIVATED IF HEATING HOT WATER SUPPLY TEMPERATURE IS AT SET POINT AND HEATING HOT WATER RETURN TEMPERATURE IS BELOW SET POINT.
3. THE HEATING HOT WATER BYPASS VALVE SHALL BE CONTROLLED BY INPUT FROM DIFFERENTIAL PRESSURE SENSOR BETWEEN HEATING HOT WATER SUPPLY & RETURN MAINS. (TO MAINTAIN MINIMUM FLOW REQUIREMENTS OF BOILERS AND TO PREVENT THE PUMPS FROM OVERLOADING)
4. THE LEAD-LAG DESIGNATION OF BOILERS SHALL BE FULLY PROGRAMMABLE.
5. THE LEAD-LAG DESIGNATION AND COUPLING WITH BOILERS SHALL BE FULLY PROGRAMMABLE FOR THE HEATING HOT WATER PUMPS.
6. SUFFICIENT TIME DELAY SHALL BE PROVIDED BETWEEN EACH CONTROL STEP TO PREVENT RAPID CYCLING OF EQUIPMENT.

NOTES:

◇1 FROM DEDICATED CONTROL POWER CIRCUIT UNDER DIVISION 16 WITH SURGE PROTECTION & LINE NOISE REDUCTION.
◇2 EXACT LOCATION OF THIS POWER SUPPLY TO BE PROVIDED BY FACILITY MANAGEMENT SYSTEM INSTALLER TO THE ELECTRICAL INSTALLER.
◇3 PROVIDE ALL SAFETY CONTROLS REQUIRED PER LAMC & CAC TITLE 24 CURRENT EDITIONS.





CHILLED WATER BOOSTER SYSTEM SCHEMATIC PIPING & CONTROLS

SEQUENCE OF OPERATION OF CHILLED WATER SYSTEM BOOSTER PUMP

1. START PUMP IF CHILLED WATER SUPPLY PRESSURE ENTERING BUILDING IS LESS THAN 45 PSI.
6. SUFFICIENT TIME DELAY SHALL BE PROVIDED BETWEEN EACH CONTROL STEP TO PREVENT RAPID CYCLING OF EQUIPMENT.

NOTES:

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◇2 EXACT LOCATION OF THIS POWER SUPPLY TO BE PROVIDED BY FACILITY MANAGEMENT SYSTEM INSTALLER TO THE ELECTRICAL INSTALLER.
◇3 PROVIDE ALL SAFETY CONTROLS REQUIRED PER LAMC & CAC TITLE 24 CURRENT EDITIONS.

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Exp 9/30/90

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KEY PLAN

NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

PIPING & CONTROLS

FILE:
SCALE NOT TO SCALE
JOB NO. JGM
DATE

SHEET NO.
M4.3
OF 13 SHEETS

97120M43 12/22/97

UTILITY SCHEDULE

		FIXTURE UNITS	G.P.M.	OTHER (G.P.M.)	TOTAL (G.P.M.)	METER SIZE(INCH)	PRESSURE (P.S.I.)	HARDNESS (GR/GAL)
COLD WATER	NEW	562	150	100	250	EXISTING	62–31	
	FUTURE	–						
	TOTAL	562						

		FIXTURE UNITS	BUILDING DRAIN(INCH)	BUILDING SEWER(INCH)	ON-SITE SEWER(INCH)	PUBLIC SEWER(INCH)
SEWER	NEW	461		2"(1), 4"(4) & 5"(1)	8"	–

		SPACE HEATING	WATER HEATING	COOKING	LAB	OTHER	FUTURE	TOTAL
GAS(CFH)	NEW	3000	261	–	705	–	–	3966

TOTAL DEVELOPED LENGTH FROM GAS METER TO LAST OUTLET: (LOW PRESSURE GAS 8" W.C.) 300 FT.

GENERAL NOTES

1. FOR EXACT LOCATION OF PLUMBING FIXTURES SEE ARCHITECTURAL PLANS AND ELEVATIONS.
2. PLUMBING MATERIAL AND INSTALLATION SHALL BE ACCORDANCE WITH TITLE 24, CAC PART 5 (1995 CALIFORNIA PLUMBING CODE)
3. COMPLY WITH ALL APPLICABLE CODES, PERTINENT REGULATIONS OF ALL AGENCIES HAVING JURISDICTION.
4. SEE CONTRACT SPECIFICATIONS FOR INSTALLATION, MATERIALS, TESTING, CLEANING AND MISCELLEANOUS GENERAL REQUIREMENTS.
5. CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES PRIOR INSTALLATION OF PIPING AND EQUIPMENT.
6. PENETRATIONS THROUGH RATED WALLS AND FLOORS TO BE SEALED WITH MATERIAL CAPABLE OF WITHSTANDING FLAMES AND HOT GASES WHEN SUBJECTED TO THE TESTING STANDARD REQUIREMENT ASTM-E-814 FOR FIRE STOPS.
7. INSTALL CLEANOUTS AS REQUIRED BY THE 1994 UPC SECTION 707.0 AND 719.0.
8. ALL BURRED ENDS OF DOMESTIC WATER PIPING AND TUBING SHALL BE REAMED TO THE FULL BORE OF THE PIPE OR TUBE AND ALL CHIPS SHALL BE REMOVED. TOOLS USED TO CUT OR REAM PIPE SHALL BE KEPT FREE OF OIL OR GREASE AND WHERE SUCH CONTAMINATION HAS OCCURED THE ITEMS AFFECTED SHALL BE REWORKED AND RINSED.
9. ALL UTILITIES TO TERMINATE 5'-0" FROM BUILDING LINE. FOR CONTINUATION SEE CIVIL DRAWINGS.
10. STORM & OVERFLOW DRAIN PIPE SIZES BASED ON RAINFALL OF 2" PER HOUR.
11. NO CONCEALED SLIP JOINT CONNECTIONS WILL BE PERMITTED AT FIXTURES.

HOT WATER HEATER

SYMBOL	SERVICE	LOCATION	TYPE	MANUFACTURER & MODEL	BTU INPUT	CAPACITY GALLONS	RECOVERY (GPH)	OPER. WEIGHT (LBS)	REMARKS
WH 1	DOMESTIC HOT WATER MATH & SCIENCE BUILDING	MECHANICAL ROOM	COMMERCIAL GAS WATER HEATER	RAYPAK W-183	186,000	*	223 @ 80°RISE	1250	* INDOOR TYPE HOT WATER BOILER WITH 80 GALLONS STORAGE TANK. SEE DETS. 14 & 15 ON A7.4B
WH 2	DOMESTIC HOT WATER MIS & PRINTSHOP BUILDING	ROOM #146	COMMERCIAL GAS WATER HEATER	A.O. SMITH BT-80	75,000	74.5	68 @ 100°RISE	920	SEE DETAIL 11/~~P3.2~~ M3.2
IWH 1	GREEN HOUSE & OBSERVATORY	ROOM #102 & #136	TANKLESS ELECTRIC WATER HEATER	CHRONOMITE S-46LP	4600 WATTS	–	–	–	0.5 GPM @ 63° ΔT, 208V, 1ø, 22 AMP & 10 AWG. SEE DETS. 14 & 15 ON A7.4B

PUMPS

SYMBOL	SERVICE	LOCATION	TYPE	MANUFACTURER & MODEL	GPM	HEAD (FT)	MOTOR DATA				OPER. WEIGHT (LBS)	REMARKS
							HP	VOLT	PHASE	RPM		
CP 1	DOMESTIC HOT WATER	MECHANICAL ROOM	IN-LINE CIRCULATOR	GRUNDFOS UPC50-160	20	30	½	115	1	2620	55	0.5 GPM @ 63° T, 208V, 1ø, 22 AMP & 10 AWG. PIPE MOUNTED. PIPE RESTRAINTS PER SMACNA.
CP 2	DOMESTIC HOT WATER	EQUIPMENT REPAIR AREA (# 146)	IN-LINE CIRCULATOR	GRUNDFOS UP26-96BF	10	15	1/12	115	1	–	13	
MP 1	ACID WASTE SYSTEM	ACID TREATMENT ROOM (#137)	CHEMICAL METERING PUMP	LMI MILTON ROY A15-1-92S	1.0	–	22 WATT	115	1	–	10	2 PUMP REQUIRED. SEE DETAIL 1/P0.2.
BP 1	DOMESTIC COLD WATER	MECHANICAL ROOM	END SUCTION CENTRIFUGAL	G &L CRN8-20	40	85	1½	460	3	3500	2000	TRIPLEX BOOSTER PUMP ASSEMBLY. SAS MODEL DPS3CCMS-T – 250/37. SEE DETAILS 1 & 2 ON P2.2.
BP 2	DOMESTIC COLD WATER	MECHANICAL ROOM	END SUCTION CENTRIFUGAL	PEERLESS C615AM-BF	130	85	5	460	3	3500		
BP 3	DOMESTIC COLD WATER	MECHANICAL ROOM	END SUCTION CENTRIFUGAL	PEERLESS C615AM-BF	130	85	5	460	3	3500		

VACUUM PUMP

SYMBOL	SERVICE	LOCATION	TYPE	MANUFACTURER & MODEL	AIR DELIVERY (ACFM)	VACUUM PRESSURE (IN Hg)	MOTOR DATA			TANK CAPACITY GALLONS	OPER. WEIGHT (LBS)	REMARKS
							HP	VOLT	PHASE			
VP 1	LABS	MATH & SCIENCE BUILDING	ROTARY VANE SINGLE STAGE	BUSCH RC0160	110	20	7.5	460	3	100	1400	SEE DETAILS 1 & 2 ON P2.3.

AIR COMPRESSOR

SYMBOL	SERVICE	LOCATION	TYPE	MANUFACTURER & MODEL	AIR DELIVERY (ACFM)	DELIVERY PRESSURE (PSIG)	MOTOR DATA			TANK CAPACITY GALLONS	OPER. WEIGHT (LBS)	REMARKS
							HP	VOLT	PHASE			
C 1	LABS	MATH & SCIENCE BUILDING	RECIPROCATING SINGLE STAGE	ALTAS COPCO LE-9	30.5	100	10	460	3	80	900	PROVIDE WITH ZEK MODEL HTA030 AIR DRYER (1/3HP, 1ø, 115V & 60Hz. 105Lbs). SEE DETAIL 5/P0.2.

BACKFLOW PREVENTER

SYMBOL	SERVICE	LOCATION	TYPE	MANUFACTURER & MODEL	SIZE (INCH)	L & W (INCH)	WEIGHT (LBS)	REMARK
BFP 1	DOMESTIC WATER	SEE PLAN	REDUCED PRESSURE	WILKINS MODEL 975XLU	1	14¼ x 4¾	12	
BFP 2	DOMESTIC WATER	SEE PLAN	REDUCED PRESSURE	WILKINS MODEL 575XLU	¾	14 x 4¾	11	
BFP 3	DOMESTIC WATER	SEE PLAN	REDUCED PRESSURE	WILKINS MODEL 975XL	½	10 x 4½	7	

EXPANSION TANKS

SYMBOL	SYSTEM	LOCATION	CAPACITY (GALLONS)	SIZE DIA x HEIGHT (IN)	SYSTEM VOLUME (GALLONS)	MAX. WORKING PRESSURE (PSIG)	OPER. WEIGHT (LBS)	REMARKS
EPT 1	DOMESTIC HOT WATER	MECHANICAL ROOM 216	10.3	15⅜ x 19¼	86	150	110	AMTROL MODEL, THERM-X-TROL ST-25V. SEE DET. 11/M3.2
EPT 2	DOMESTIC HOT WATER	EQUIPMENT REPAIR AREA, RM#146	4.5	11 x 15	50	150	50	AMTROL MODEL, THERM-X-TROL ST-12. " " "

ACID WASTE TANK SCHEDULE

SYMBOL	SERVICE	LOCATION	TYPE	MANUFACTURER & MODEL	CAPACITY (GALLON)	OPER. WEIGHT (LBS)	RELIEF VENT (IN)	CONN. SIZE (IN)	REMARKS
T 1	ACID WASTE	YARD	LIMESTONE NEUTRALIZATION SUMP	ORION STYLE 7	360	18,000	3	4	FIBERGLASS REINFORCED
T 2	ACID WASTE	YARD	FINAL NEUTRALIZATION SUMP	ORION STYLE 7	360	3,200	3	4	FIBERGLASS REINFORCED, CLOSED TOP & LIQUID MIXER (¼HP, 115V-1ø-60Hz)
T 3	ACID WASTE	YARD	SAMPLING SUMP	ORION –	6	60	2	4	FIBERGLASS REINFORCED

PLUMBING ROUGH-IN SCHEDULE & CONNECTIONS

SYM.	DESCRIPTION	FIXTURE UNIT		MIN. BRANCH SIZE (INCH)					TRAP SIZE (INCH)	REMARKS
		W/S	CW	W	V	CW	HW	RO		
WC-1	WATER CLOSET	6	10	3	2	1	*	*	INT	ADA, WALL HUNG, FLUSH VALVE
WC-2	WATER CLOSET	6	10	3	2	1	*	*	INT	WALL HUNG, FLUSH VALVE
UR-1	URINAL	2	5	2	1½	1	*	*	INT	ADA
L-1	LAVATORY	1	2	2	1½	½	*	*	1¼ x 1½	ADA
L-2	LAVATORY	1	2	2	1½	½	½	*	1¼ x 1½	ADA
S-1	SINK	2	4	2	1½	½	½	*	1¼ x 1½	WITH GARBAGE DISPOSAL, COUNTER MOUNTED
S-2	NOT USED									
S-3	SINK	2	4	2	1½	½	*	*	1¼ x 1½	
S-3A	SINK	2	4	2	1½	½	*	*	1¼ x 1½	WITH EYE WASH ON HOSE
S-3B	SINK	2	4	2	1½	½	*	½	1¼ x 1½	
S-3C	SINK	2	4	2	1½	½	*	½	1¼ x 1½	WITH EYE WASH ON HOSE
S-4	SINK	3	4	2	1½	¾	¾	½	1¼ x 1½	DOUBLE COMPARTMENT
S-4A	SINK	3	4	2	1½	¾	¾	½	1¼ x 1½	DOUBLE COMPARTMENT, WITH GARBAGE DISPOSAL
S-5	SINK *	3	4	2	1½	¾	¾	*	1¼ x 1½	ROUGH IN ONLY
S-6	SINK *	3	4	2	1½	¾	¾	*	1¼ x 1½	ROUGH IN ONLY
S-7	SINK *	2	2	2	1½	½	*	½	1¼ x 1½	ROUGH IN ONLY
SS-1	SERVICE SINK	6	4	3	1½	¾	¾	¾	2	
SS-2	SERVICE SINK	6	4	3	1½	¾	¾	¾	2	
ESH-1	EMERGENCY SHOWER	FD	4	*	*	1	*	*	*	
EEW-1	EMERGENCY EYE WASH	SINK	2	*	*	½	*	*	*	WITH HOSE
EWC-1	ELECTRIC WATER COOLER	2	2	2	1½	½	*	*	1 x 1¼	
FS-1	FLOOR SINK	3	*	2	1½	*	*	*	2	
FS-2	FLOOR SINK	6	*	4	2	*	*	*	4	
RR-1	ROOF RECEPTOR	3	*	2	1½	*	*	*	2	
FD-1	FLOOR DRAIN	2	*	2	1½	*	*	*	2	
FD-2	FLOOR DRAIN	2	*	2	1½	*	*	*	2	
TP-1	TRAP PRIMER	*	*	*	*	½	*	*	*	
HB-1	HOSE BIBB	*	3	*	*	¾	*	*	*	WITH NON-REMOVABLE VACCUM BREAKER
RD-1	ROOF DRAIN	*	*	*	*	*	*	*	*	
OD-1	OVERFLOW DRAIN	*	*	*	*	*	*	*	*	
AD-1	AREA DRAIN	*	*	*	*	*	*	*	*	
ACL-1	AUTOCLAVE *	*	6	*	*	1	1	*	*	ROUGH-IN ONLY, 30KW ELECTRIC STEAM GANERATOR
FH-1	FUME HOOD *	1	1	2	1½	½	*	*	*	ROUGH-IN ONLY

* FIXTURE FURNISHED UNDER ANOTHER SECTION OF THE SPECIFITIONS

DOMESTIC WATER DESIGN REQUIREMENTS

COLD WATER

A. PRESSURE AVAILABLE: MAXIMUM 62 PSI
MINIMUM 31 PSI

B. TOTAL FIXTURE UNITS: FLUSH VALVE 562 F.U.
FLUSH VALVE (FUTURE) – F.U.

C. TOTAL WATER DEMAND: DOMESTIC 150 GPM
IRRIGATION – GPM
MISC. 100 GPM
FUTURE – GPM
TOTAL 250 GPM

D. RESIDUAL PRESSURE REQUIRED AT REMOTE OUTLET: 30.00 PSI
E. PRESSURE LOSS DUE TO HEIGHT 20 FT x 0.433 8.66 PSI
F. PRESSURE LOSS THRU – METER @ – GPM – PSI
G. PRESSURE LOSS THRU – PRV DEVICE @ – GPM – PSI
H. OTHER PRESSURE LOSSES (______) – PSI
I. TOTAL PRESSURE LOSS 38.66 PSI
J. AVAILABLE PRESSURE 72.00 PSI
K. PRESSURE AVAILABLE FOR FRICTION LOSS 33.34 PSI

L. DEVELOPED PIPE LENGTH: BUILDING TO LAST FIXTURE 280 FT
+20 % FOR FITTINGS 56 FT
TOTAL DEVELOPED LENGTH 336 FT
M. ALLOWABLE FRICTION LOSS PER 100' OF PIPE [100'x VALUE IN LINE (K) x VALUE IN LINE (L)] 9.9 PSI/100'

PIPE SIZES BASED ON TYPE "L" COPPER @ 9.9 PSI/100' & 6 FPS MAX.

PIPE SIZE	F.T. F.U.	F.V. F.U.	PIPE SIZE	F.T. F.U.	F.V. F.U.	PIPE SIZE	F.T. F.U.	F.V. F.U.
1/2"	4	–	1 1/2"	60	16	4"	1091	1091
3/4"	12	–	2"	155	69	5"	2204	2204
1"	23	–	2 1/2"	326	195	6"		
1 1/4"	39	7	3"	585	490			

PLUMBING LEGEND

ALL ITEMS SHOWN IN THIS LEGEND NOT NECESSARILY USED ON THE DRAWINGS

SYMBOL	ABBREVIATION	DESCRIPTION
		RELIEF VALVE
	TP	TRAP PRIMER
	P.G.	PRESSURE GAUGE
		THERMOMETER
		STRAINER
		INCREASER / DECREASER
	G.V./ S.O.V.	GATE VALVE / SHUTOFF VALVE
	C.V.	CHECK VALVE
	B.V.	BALANCING VALVE / GLOBE VALVE
	G.C.	GAS COCK
	U.	UNION
	W.H.A.	WATER HAMMER ARRESTOR
	SOV	SHUT-OFF VALVE
	SOC	SHUT-OFF COCK (GAS)
	W/S	WASTE OR SOIL ABOVE FLOOR
	W/S	WASTE OR SOIL BELOW FLOOR OR GRADE
	F.C.O.	FLOOR CLEANOUT
	Y.C.O.	YARD CLEANOUT
	W.C.O.	WALL CLEANOUT
	C.O.	CLEANOUT (CAPPED END)
— SD —	SD	STORM DRAIN ABOVE FLOOR
— SD —	SD	STORM DRAIN BELOW FLOOR OR GRADE
— OD —	OD	OVERFLOW DRAIN ABOVE FLOOR
— GW —	GW	GREASE WASTE
—CW&V—	CW&V	COMBINATION WASTE AND VENT
— AW —	AW	ACID WASTE ABOVE FLOOR
– –AW– –	AW	ACID WAVE BELOW FLOOR OR GRADE
— A —	A	COMPRESS AIR
—VAC—	VAC	VACUUM
—CD—	CD	CONDENSATE DRAIN
— COD —	COD	CONDENDATE OVER FLOOR DRAIN
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	DOMESTIC HOT WATER RETURN
	V	VENT
— G —	G	GAS (8" WATER COLUMN)
— D —	D	DRAIN
— F —	F	FIRE LINE
— ICW —	ICW	INDUSTRIAL COLD WATER
—MPG—	MPG	MEDIUM PRESSURE GAS (3#)
—SCW—	SCW	SOFT COLD WATER
— RD —	AD	ROOF DRAIN
—TW—	TW	TEMPERED WATER
—DW—	DW	DISTILLED WATER
—IR—	IR	IRRIGATION WATER
– –IR– –	IR	IRRIGATION WATER BELOW FLOOR OR GRADE
		EQUIPMENT DESIGNATION
		DETAIL REFERENCE
○		NOTE REFERENCE
⊗	P.O.C.	POINT OF CONNECTION
→		DIRECTION OF FLOW
	ABV.	ABOVE
	AFG.	ABOVE FINISH GRADE
	A.P.	ACCESS PANEL
	ASR	AUTOMATIC SPRINKLER RISER
	BEL.	BELOW
	BLDG.	BUILDING
	CFH	CUBIC FEET PER HOUR
	CLG.	CEILING
	CONN.	CONNECT
	CONT.	CONTINUATION
	DN.	DOWN
	DWG.	DRAWING
	(E)	EXISTING
	EQUIP.	EQUIPMENT
	EA.	EACH
	FLR.	FLOOR
	F.T.	FLUSH TANK
	F.U.	FIXTURE UNIT
	F.V.	FLUSH VALVE
	G.P.F.	GALLONS PER FLUSH
	G.D.	GARBAGE DISPOSER
	H.C.	HANDICAP
	I.E.	INVERT ELEVATION
	INT.	INTEGRAL
	MAX.	MAXIMUM
	MECH.	MECHANICAL
	MTD.	MOUNTED
	N.C.	NORMALLY CLOSED
	N.I.C.	NOT IN CONTRACT
	N.O.	NORMALLY OPEN
	NTS	NOT TO SCALE
	PSIG	POUNDS PER SQUARE INCH GAUGE
	R.I. & C.	ROUGH-IN AND CONNECT
	RM.	ROOM
	SHT.	SHEET
中'	S.F.	SQUARE FEET
	TEMP.	TEMPERATURE
	TYP.	TYPICAL
	U.L.	UNDERWRITERS LABORATORIES
	U.O.S.	UNDER OTHER SECTION
	V.B.	VACUUM BREAKER
	V.B.F.	VENT BELOW FLOOR
	V.T.R.	VENT THRU ROOF
	W.C.	WATER COLUMN
	B.F.P.	BACK FLOW PREVENTER
—RO—	RO	REVERSE OSMOSIS WATER

PLUMBING SHEET INDEX

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APPROVED	

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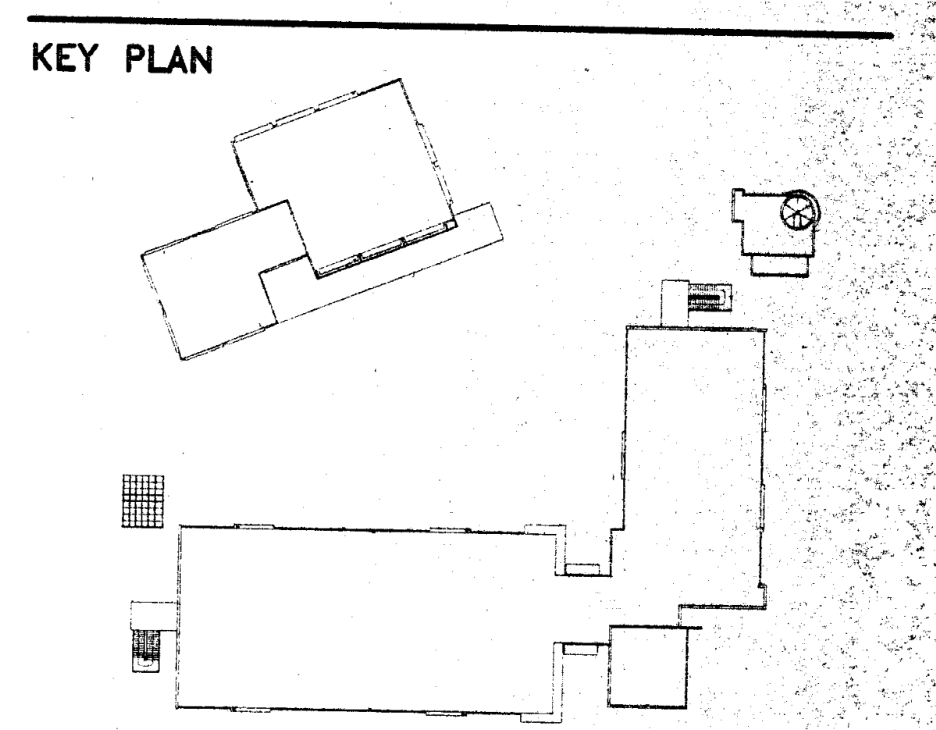
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

LEGEND, SCHEDULES,
CALCULATION & NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 69120
AC ___ FLS ___ SS VMC 18
DATE 3-20-98

FILE:
SCALE NOT TO SCALE
JOB NO.
DATE

SHEET NO.
P0.1
OF 16 SHEETS

97120P01 3-18-98

FIXTURE SCHEDULE

A. Water Closet (Mark WC-1):

1. Fixture: American Standard No. 2257.103 "Afwall EL 1.6" or Kohler No. K-4330 "Kingston Lite", wall hung vitreous china, 1.6 gallon flush, syphon jet, elongated bowl, wall mounted ADA toilet, with 1-1/2" top spud bowl.
2. Flush Valve: Sloan No. 111-YB or Zurn No. 6000-WS-1-YB.
3. Carrier: J.R. Smith No. 200 Series or equal by Zurn. Where space does not permit use J.R. Smith 400 Sreies or equal

B. Water Closet (Mark WC-2):

1. Fixture: American Standard No. 2257.103 "Afwall EL 1.6" or Kohler No. K-4330 "Kingston Lite", wall hung vitreous china, 1.6 gallon flush, syphon jet, elongated bowl, wall mounted toilet, with 1-1/2" top spud bowl.
2. Flush Valve: Sloan No. 113-3-YB-F-72-A1 or Zurn No. 6000-1-F-A.
3. Carrier: J.R. Smith No. 200 Series or equal by Zurn. Where space does not permit use J.R. Smith 400 Sreies or equal

C. Urinal (Mark UR-1):

1. Fixture: American Standard No. 6541.132 "Allbrook" or Kohler No. K-5014-T "Dexter Water Guard", vitreous china, 1.0 gallon flush syphon jet ADA urinal with flushing rim, 1-1/4" top spud inlet and removable beehive strainer.
2. Flush Valve: Sloan No. 180-1.5-YB.
3. Carrier: J.R. Smith No. 637 floor mounted wall support.

D. Lavatory (Mark L-1):

1. Fixture: American Standard No. 0355.012 "Lucerne" or Kohler No. K-2005 "Kingston", vitreous china, ADA lavatory for concealed arm support with faucet holes 4" on centers, size: 20" x 18".
2. Faucet: Delta Commercial Faucet Division No. S23WFHGMHDF, equivalent by Symmons, American Standard or Kohler, single handle deck mounted faucet with 0.5 gpm flow rate and grid drain.
3. Drain: Delta #33T260 grid drain assembly.
4. Supplies: Chicago No. 1017-MM or equivalent by Brasscraft "H" Series, 1/2" I.P.S. flexible supplies with loose key stops.
5. Carrier: J.R. Smith No. 700-M31-Z floor mounted wall support.

E. Lavatory (Mark L-2):

1. Fixture: American Standard No. 0355.012 "Lucerne" or Kohler No. K-2005 "Kingston", vitreous china, ADA lavatory for concealed arm support with faucet holes 4" on centers, size: 20" x 18".
2. Faucet: Delta Commercial Faucet Division No. S23WFHGMHDF, equivalent by Symmons, American Standard or Kohler, single handle deck mounted faucet with 0.5 gpm flow rate and grid drain.
3. Drain: Delta #33T260 grid drain assembly.
4. Supplies: Chicago No. 1017-MM or equivalent by Brasscraft "H" Series, 1/2" I.P.S. flexible supplies with loose key stops.
5. Carrier: J.R. Smith No. 700-M31-Z floor mounted wall support.

F. Service Sink (Mark SS-1):

1. Fixture: American Standard No. 7741.000 "Florwell" or Kohler No. K-6710 "Whitby", floor corner mounted, enameled cast iron, with American Standard No. 7745.811 or Kohler No. K-8940 removable vinyl coated rim guard.
2. Faucet: American Standard No. 8344.111 or Kohler No. K-8904 or Delta #28t2383 top spout brace to wall faucet with vacuum breaker, stops in shanks and threaded spout with pail hook.
3. Drain: American Standard No. 7721.038 or Kohler No. K-9146 strainer with 3" I.P.S. drain.

G. Service Sink (Mark SS-2):

1. Fixture: American Standard No. 7695.018 "Akron" or Kohler No. K-6716 "Bannon", enameled cast iron, with wall hanger and American Standard No. 7745.811 or Kohler No. K-8940 removable vinyl coated rim guard.
2. Faucet: American Standard No. 8340.242 or Kohler No. K-8906 or Delta #28T7083 wall mounted faucet with vacuum breaker, stops in shanks and threaded spout with pail hook.
3. Trap: American Standard No. 7798.176 or Kohler No. K-6673 3" adjustable trap with cleanout plug and strainer.

H. Sink (Mark S-1):

1. Fixture: Just No. SL-1921-A-GR or equivalent by Elkay, 20 gauge, type 304, 18-8 stainless steel self-rimming single compartment sink with ledge for faucet, drilled for three holes. Overall Size: 17-1/2" x 19". Bowl size: 11-1/2" x 16" x 7-1/2"
2. Faucet: Delta Commercial Faucet Division No. 27T3144 or equivalent by Chicago Faucets, deck mounted, 8" spread faucet, complete with 4" lever handles, rigid/swing spout and aerator.
3. Garbage Disposal: In-Sink-Erator Model 333, 1/2 HP.
4. Supplies: Chicago No. 1017-MM or equivalent by Brasscraft "H" Series, 1/2" I.P.S. flexible supplies with loose key angle stops.

I. Sink (Mark S-2): NOT USED

J. Sink (Mark S-3):

1. Fixture: Just No. SL-1921-A-GR-316 or equivalent by Elkay, 18 gauge 316 stainless steel self-rimming single compartment sink with ledge for faucet, drilled for single hole. Overall Size: 19" x 21". Bowl size: 14" x 18" x 7-1/2"
2. Faucet: Delta Commercial Faucet Division No. 27T2944-R7 or equivalent by Chicago Faucets, deck mounted, 8" spread faucet, complete with 4" lever handles, Delta No. 76860-5 rigid/swing gooseneck spout and aerator.
3. Drain: Just No. J-35-SSF-VR, 316 stainless steel, flat grid vandal resistant drain.
4. Supplies: Chicago No. 1017-MM or equivalent by Brasscraft "H" Series, 1/2" I.P.S. flexible supplies with loose key angle stops.

K. Sink (Mark S-3A):

1. Fixture: Same as specified for sink Mark S-3, except provide an additional hole for an eye wash.
2. Faucet: Same as specified for sink Mark S-3.
3. Drain: Same as specified for sink Mark S-3.
4. Eye Wash: Haws No. 7612 deck mounted swing away design, chrome plated with anti surge heads, dust covers, stay open ball valve activated by a push flag and stream control.
5. Supplies: Same as specified for sink Mark S-3.

L. Sink (Mark S-3B):

1. Fixture: Same as specified for sink Mark S-3, except provide an additional hole for a distilled water faucet.
2. Faucet: Same as specified for sink Mark S-3.
3. Distilled water faucet: Delta Commercial Faucet Division No. W6635-5-50 or Chicago Faucets, deck mounted, single faucet, complete with 9" radius rigid gooseneck, W6629 Celcon valve, 6 serration hose end, vandal resistant locking pins and corrosion resistant grey/black finish.
4. Drain: Same as specified for sink Mark S-3.
5. Supplies: Same as specified for sink Mark S-3.

M. Sink (Mark S-3C):

1. Fixture: Same as specified for sink Mark S-3, except provide 2 additional holes, one for a distilled water faucet and the other for an eye wash.
2. Faucet: Same as specified for sink Mark S-3.
3. Eye wash: Same as specified for sink Mark S-3A.
4. Distilled water faucet: Same as specified for sink Mark S-3B.
5. Drain: Same as specified for sink Mark S-3.
6. Supplies: Same as specified for sink Mark S-3.

N. Sink (Mark S-4):

1. Fixture: Just No. DL-1933-B-GR or equivalent by Elkay, 20 gauge, type 316, 18-8 stainless steel self-rimming double compartment sink with ledge for faucet, drilled for three holes. Overall Size: 19" x 33". Bowl size: 14" x 14" x 7-1/2"
2. Faucet: Delta Commercial Faucet Division No. 27T2944-R4 or equivalent by Chicago Faucets, deck mounted, complete with 4" lever handles, rigid/swing gooseneck spout and aerator.
3. Drain: Just No. J35-GS crumb cup strainer.
4. Supplies: Chicago No. 1017-MM or equivalent by Brasscraft "H" Series, 1/2" I.P.S. flexible supplies with loose key angle stops.

O. Sink (Mark S-4A):

1. Fixture: Same as specified for sink Mark S-4.
2. Faucet: Same as specified for sink Mark S-4.
3. Drain: Same as specified for sink Mark S-4.
5. Garbage Disposal: In-Sink-Erator Model 333, 1/2 HP.
6. Supplies: Same as specified for sink Mark S-4.

P. Emergency Shower (Mark ESH-1):

Haws Model No. 8123H with instant action stay open ball valve, stainless steel pull rod. Extend shower and eye/face wash to accommodate wheelchair.

Q. Emergency Eye/Face Wash (Mark EEW-1):

Haws No. 7612 deck mounted swing away design, chrome plated with anti surge heads, dust covers, stay open ball valve activated by a push flag and stream control.

R. Electric Water Cooler (Mark EWC-1):

1. Fixture: Haws No. HWCF8-2, Elkay or Sunroc, stainless steel wall mounted, electric water cooler, 115V, single phase, 60 cycles, usable for both wheelchair users and the general public, with push buttons, safety bubbler and refrigeration system.
2. Supplies: Chicago No. 1017-MM 1/2" I.P.S. flexible supplies with loose key angle stops or equivalent by brasscraft " H" series.

HOSE BIBBS

A. Hose Bibb (Mark HB-1):

Acorn No. 8121 or Woodford No. 24P-3/4 polished chrome finish hose bibb with vandalproof lock shield and vacuum breaker.

FLOOR SINKS

A. Floor Sink (Mark FS-1):

J.R. Smith No. 3430, equivalent by Wade or Zurn, 8" deep floor sink with dome bottom strainer. Provide grate and trap primer connection as required.

B. Floor Sink (Mark FS-2):

J.R. Smith No. 3200-U-CI, equivalent by Wade or Zurn, 18" x 18" x 12" deep floor sink with dome bottom strainer. Provide cover and trap primer connection.

DRAINS

A. Floor Drain (Mark FD-1):

J.R. Smith No. 2005-U-P050 equivalent by Wade or Zurn, drain with duco cast iron body, flashing collar, trap primer connection, protector cap and nickel bronze adjustable strainer head with secured square hole and vandal proof round grate.

B. Floor Drain (Mark FD-2):

J.R. Smith No. 2005-A-U-P050 equivalent by Wade or Zurn, chemical resistant drain with duco cast iron body, flashing collar, trap primer connection, protector cap and nickel bronze adjustable strainer head with secured square hole and vandal proof round grate.

C. Roof Receptor (Mark RR-1):

J.R. Smith No. 3980-C, equivalent by Wade or Zurn, receptor with duco cast iron body, cast iron dome and underdeck clamp. For wood decks use sump receiver.

D. Roof Drain (Mark RD-1):
J.R. Smith No. 1015-C-U, equivalent by Wade or Zurn, drain with duco cast iron body, vandal proof cast iron dome and underdeck clamp. For wood decks use sump receiver.

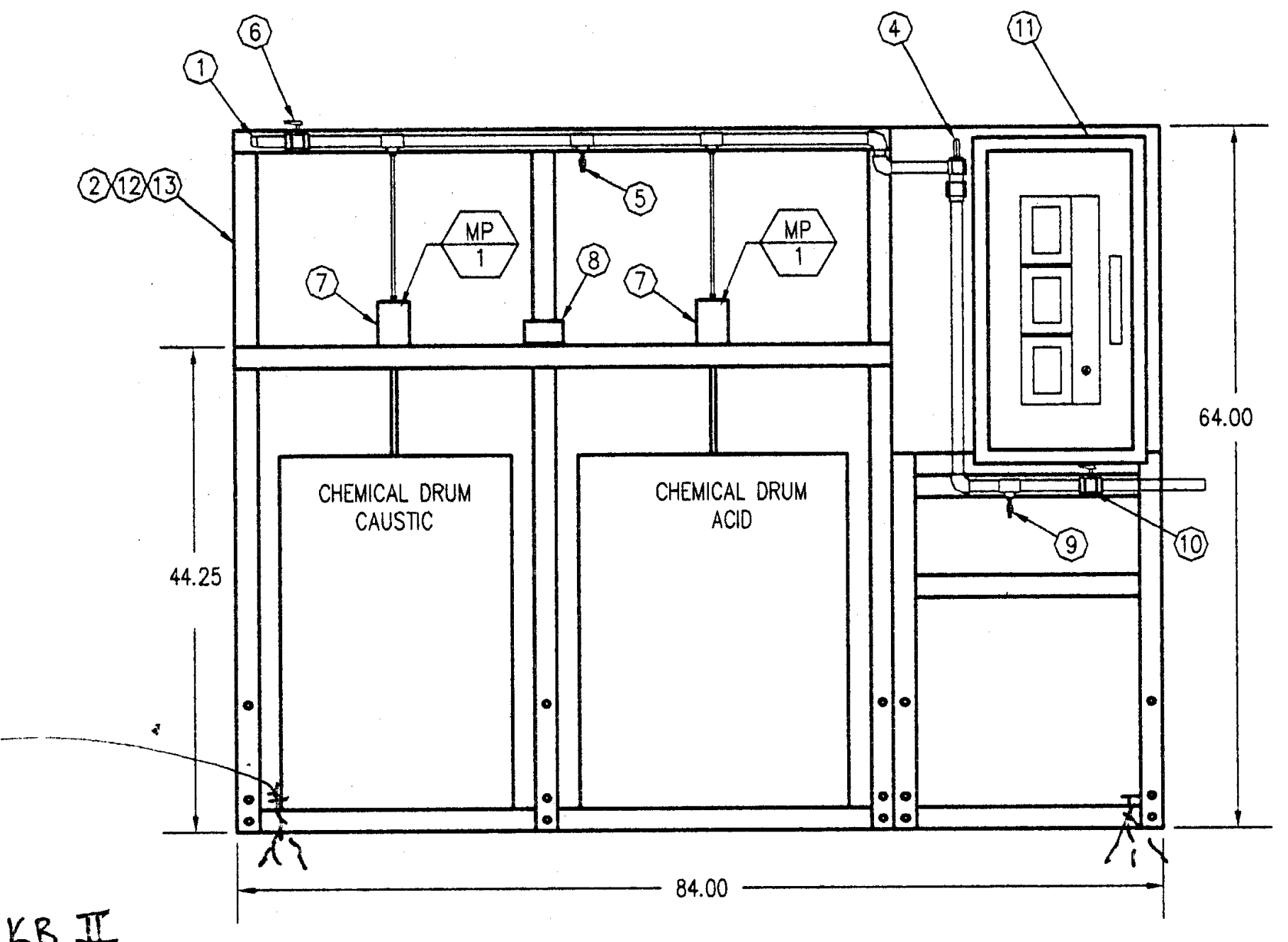
E. Overflow Drain (Mark OD-1):
J.R. Smith No. 1015-WD-C, equivalent by Wade or Zurn, drain with duco cast iron body, vandal proof cast iron dome, exterior water dam and underdeck clamp. For wood decks use sump receiver.

F. Area Drain (Mark AD-1):
J.R. Smith No. 2005-A-U Wade No. W-1100-STD-5 or Zurn No. ZN-415-VP-TYPE "B", drain with duco cast iron body, flashing collar, protector cap and bronze adjustable strainer head with secured square hole and vandal proof square grate.

G. Area Drain (Mark AD-2):
J.R. Smith No. 1330-Y-U equivalent by Wade or Zurn with duco cast iron body, cast iron vandel proof done, underdeck clamp and nickel bronze adjustable strainer head with secured hole and square grate.

NOTES: UNLESS OTHERWISE SPECIFIED;

① ¾ INCH PVC OR CPVC SCHEDULE 80 ONLY.
② PLEXIGLAS SAFTY SHIELDS.
③ WITH FOR; 2 PUMP RACKD = 84.00 INCHES
④ FLOW CELL / CHECK VALVE ASSEMBLY.
⑤ ¼ INCH MANUAL PRESSURE RELIEF VALVE.
⑥ DOUBLE UNION BALL VALVE.
⑦ CHEMICAL PUMP.
⑧ ELECTRICAL OUTLET BOX.
⑨ SAMPLE VALVE.
⑩ GATE SHUT - OFF VLVE.
⑪ MODEL 6100 SERIES CONTROLLER.
⑫ FRAME ASSEMBLED WITH 2 INCH SQUARE 14 GAGE STEEL TUBING.
⑬ FINISH IS PRIMED AND BAKED WITH 3 TO 5 MIL. EPOXY PAINT.



4-½"φ HILTI KB II
ONE @ EACH CORNER, 2½" EMBEDMENT.
SPECIAL INSP. REQ'D.

ALL COMPONENT BY LAKEWOOD INSTRUMENTS

CHEMICAL FEED PUMP & CONTROL FOR ACID WASTE

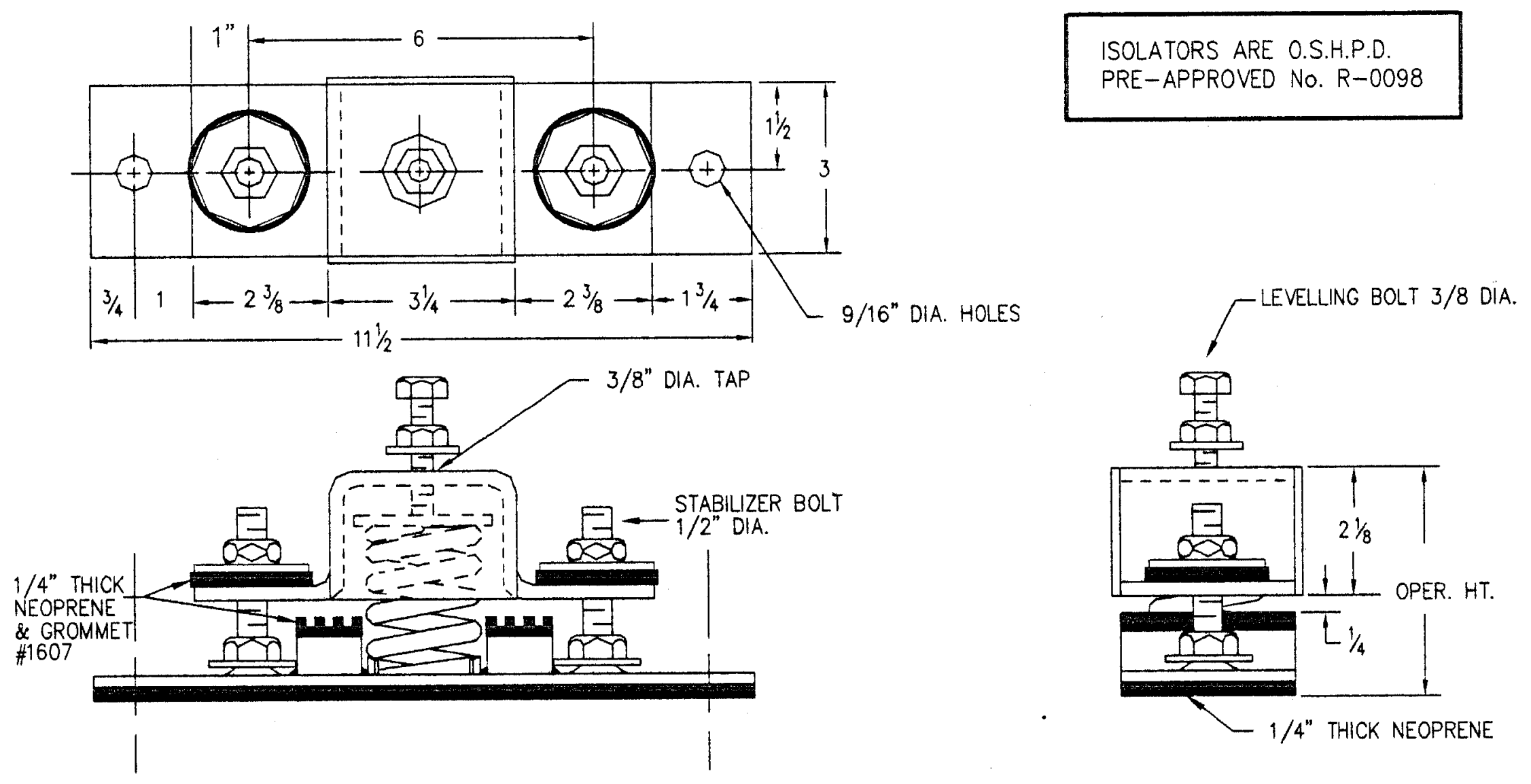
SCALE NOT TO SCALE ①

MARK	MAKE	TYPE	SIZE
CP-1	ATLAS COPCO	LEBPP	7
		7½ HP	

OD	DEFL	
2"	1"	

NOTES: 1) ALL DIMENSIONS IN INCHES
2) SPRING DEFLECTION = 1"

ISOLATORS ARE O.S.H.P.D.
PRE-APPROVED No. R-0098



MAX. ALLOW. LOADS: HORIZ. 1100 lbs. VERT. (UP) 1400 lbs.

VIBREX TYPE RMU-EQ-SH-1

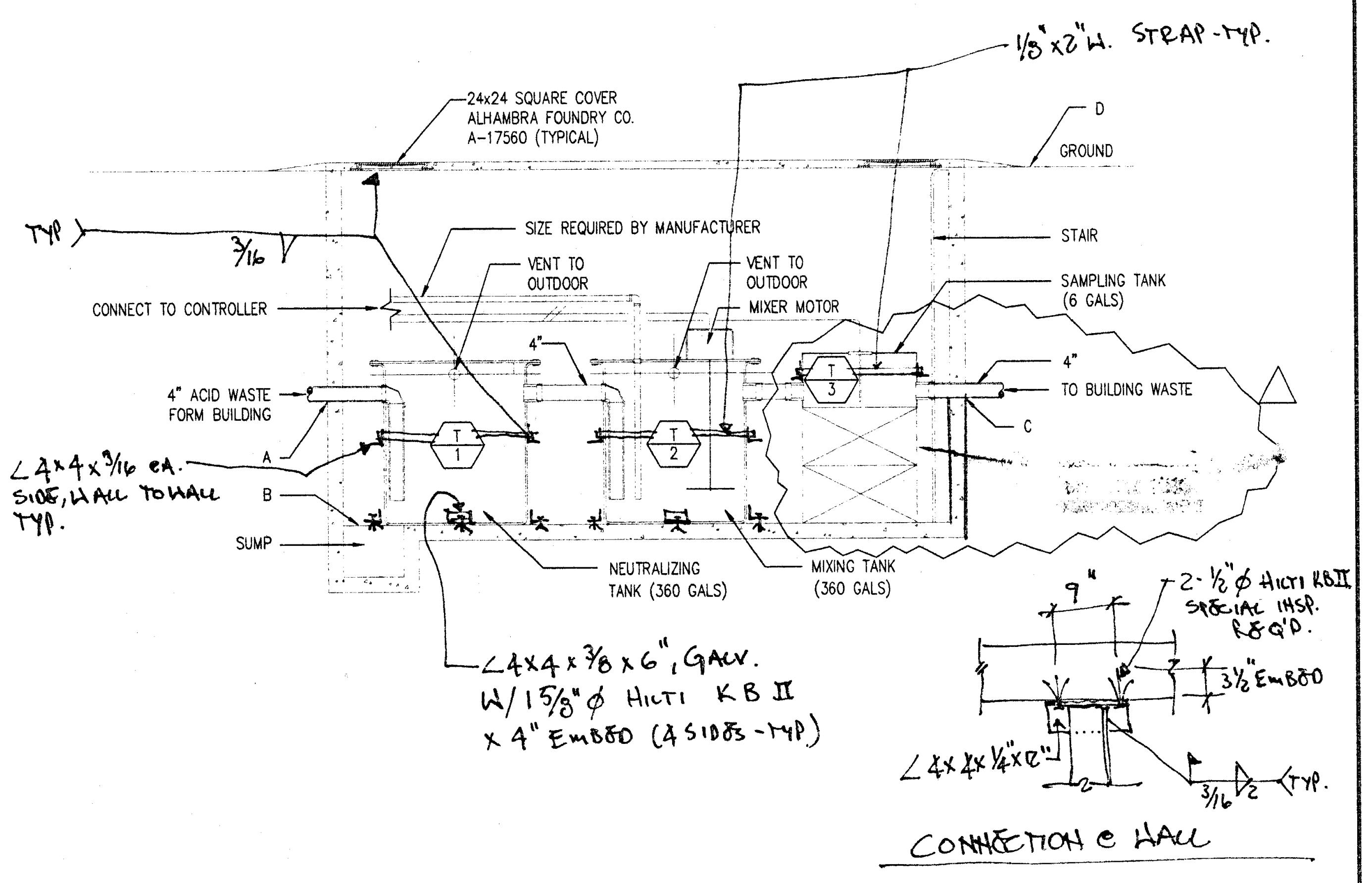
PRE-APPROVED COMBINATION VIBRATION ISOLATOR WITH INTEGRAL SEISMIC RESTRAINT

VIBRATION ISOLATOR FOR AIR COMPRESSOR

SCALE NOT TO SCALE ⑤

ELEVATIONS (IN FT)

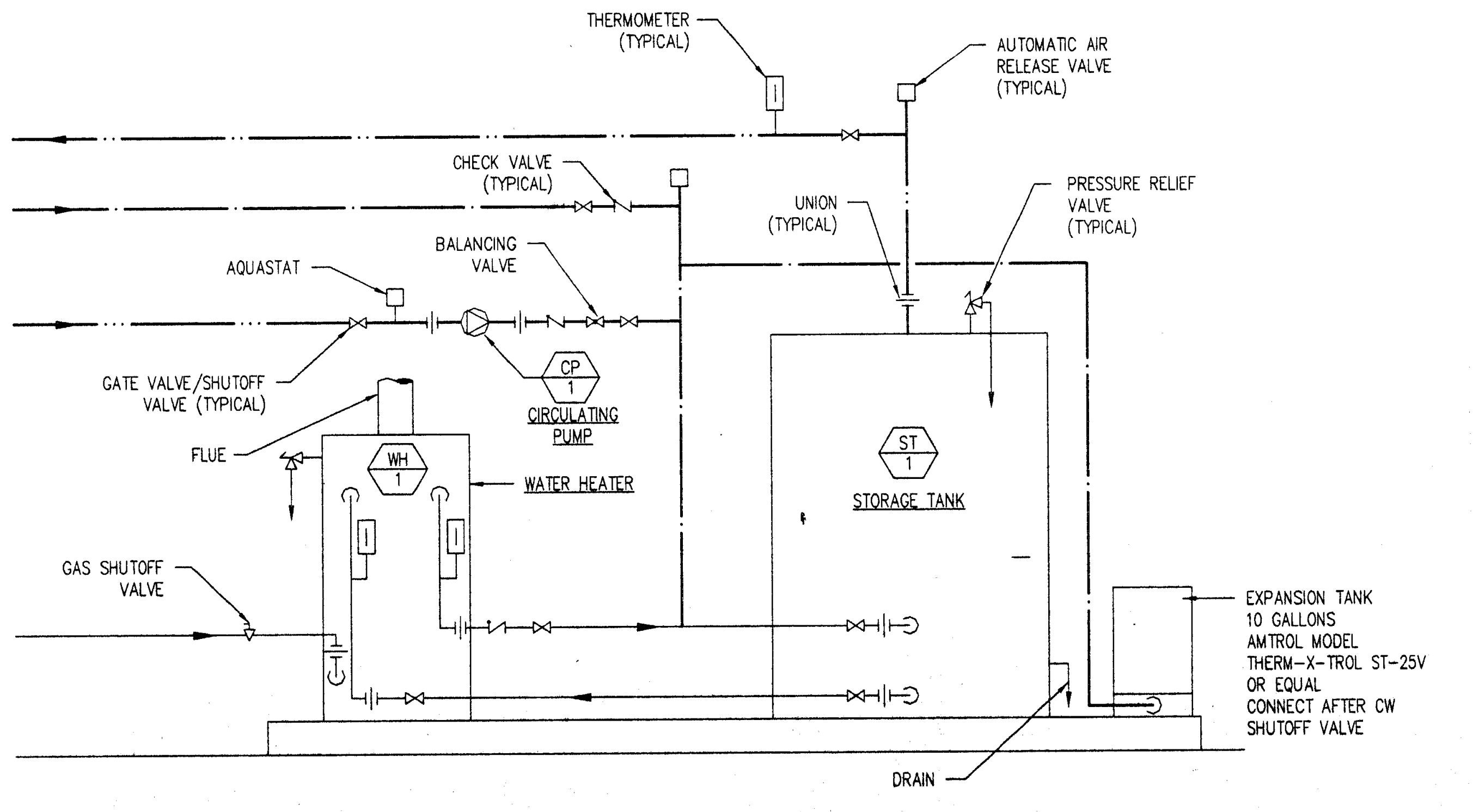
A	B	C	D	*	*	*	*	*
51.36	47.93	51.10	58.10	*	*	*	*	*



CONNECTION @ WALL

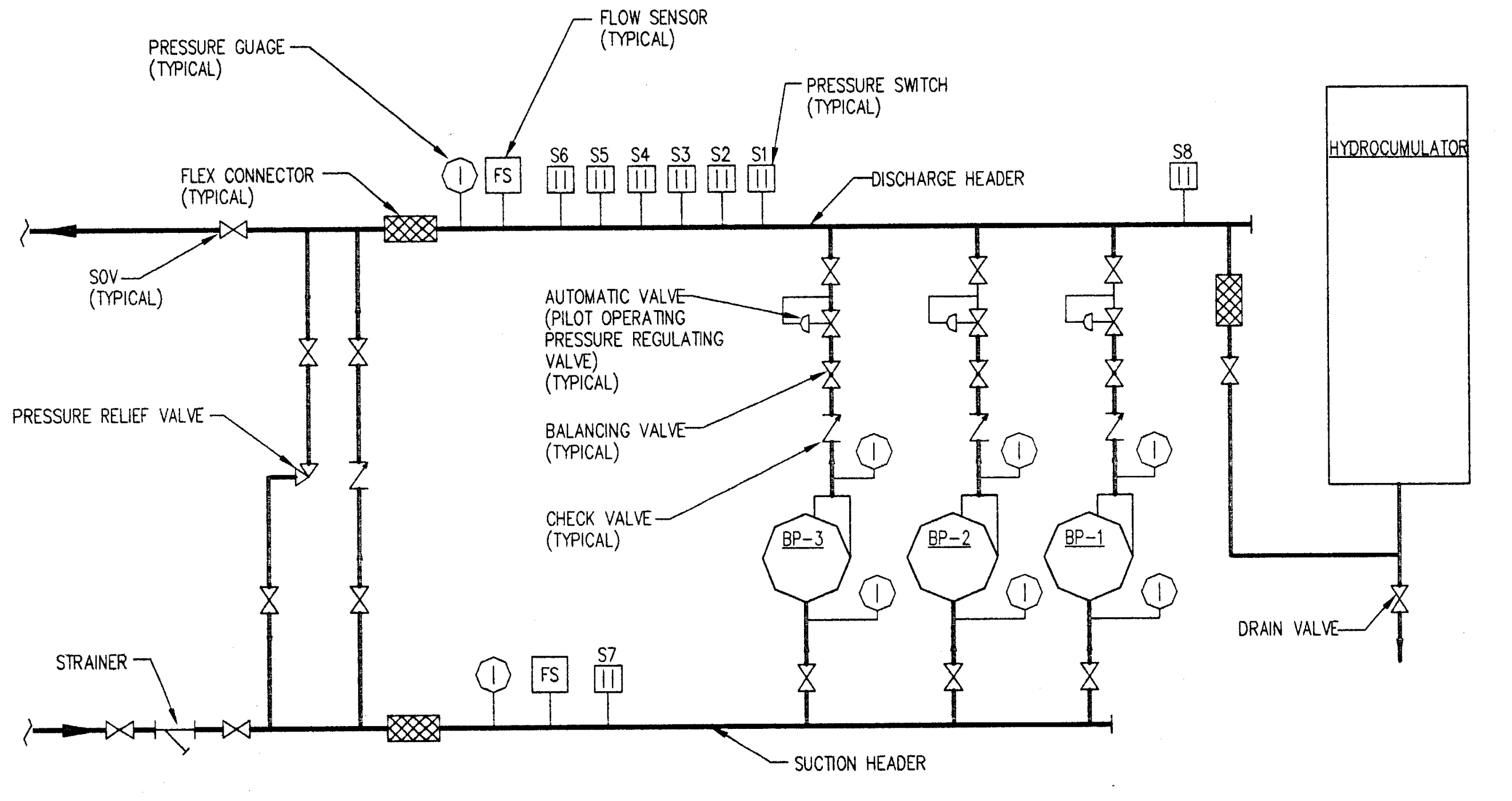
ACID NEUTRALIZATION SYSTEM

SCALE NOT TO SCALE ②



WATER HEATER PIPING

SCALE NOT TO SCALE ④



SEQUENCE OF OPERATION

1. IF S1 < 80 PSI, PUMP BP-1 ON
2. IF S2 < 78 PSI, PUMP BP-1 OFF & BP-2 ON
3. IF S3 < 76 PSI, PUMP BP-1 & BP-2 ON
4. IF S4 < 74 PSI, PUMP BP-1 OFF, BP-2 & BP-3 ON
5. IF S5 < 72 PSI, PUMP BP-1, BP-2 & BP-3 ON
6. IF S6 < 60 PSI, DISCHARGE LOW PRESSURE ALARM ON
7. IF S7 < THE HIGHEST NPSHR OF THE PUMPS, ALARM ON & TURN PUMPS OFF
8. IF S8 SENSE EXCESS VIBRATION, ALARM ON & TURN PUMPS OFF

NOTE:
S2 THRU S5 MAY BE SUBSTITUTED WITH A MULTISTAGE PRESSURE SWITCH OR A MULTISTAGE CURRENT SENSING RELAY.

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DOMESTIC WATER BOOSTER PUMP SCHEMATIC PIPING DIAGRAM

SCALE NOT TO SCALE ③

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Exp: 9/30/98

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C-13900

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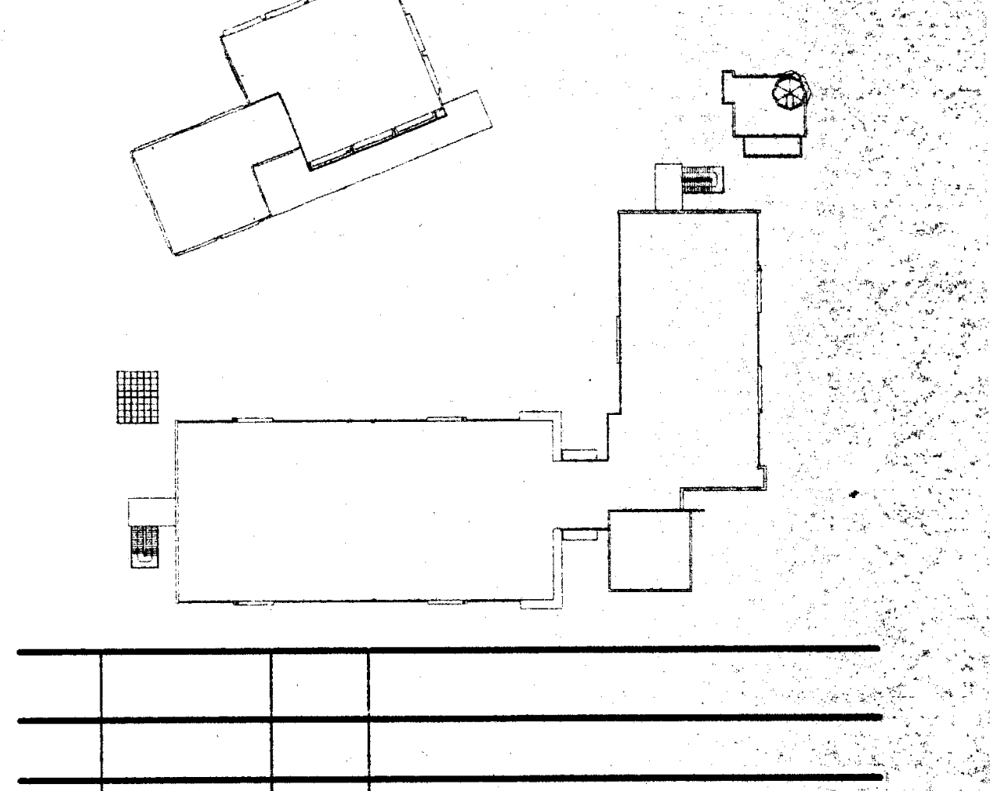
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

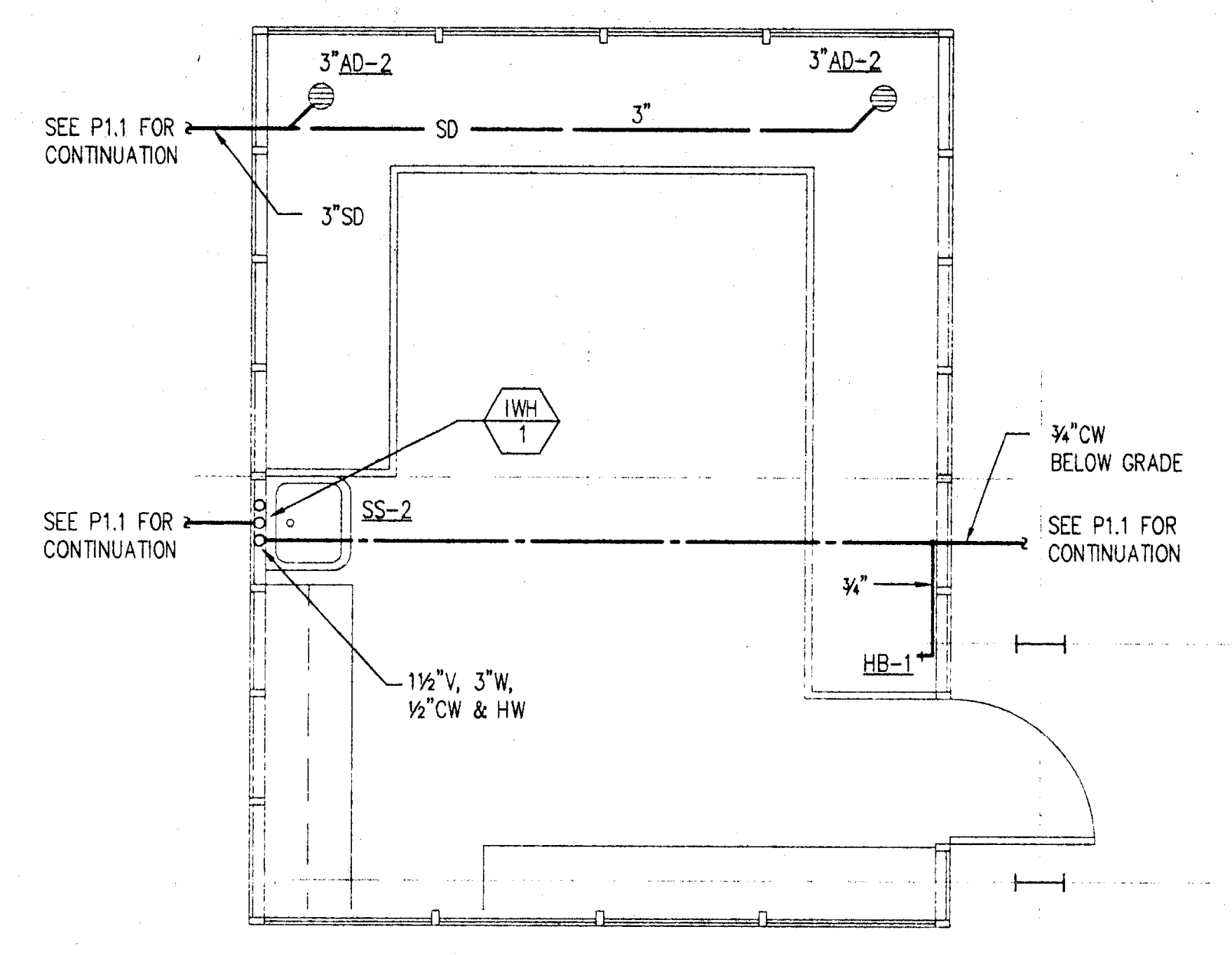
SHEET TITLE

SCHEDULES
& DETAILS

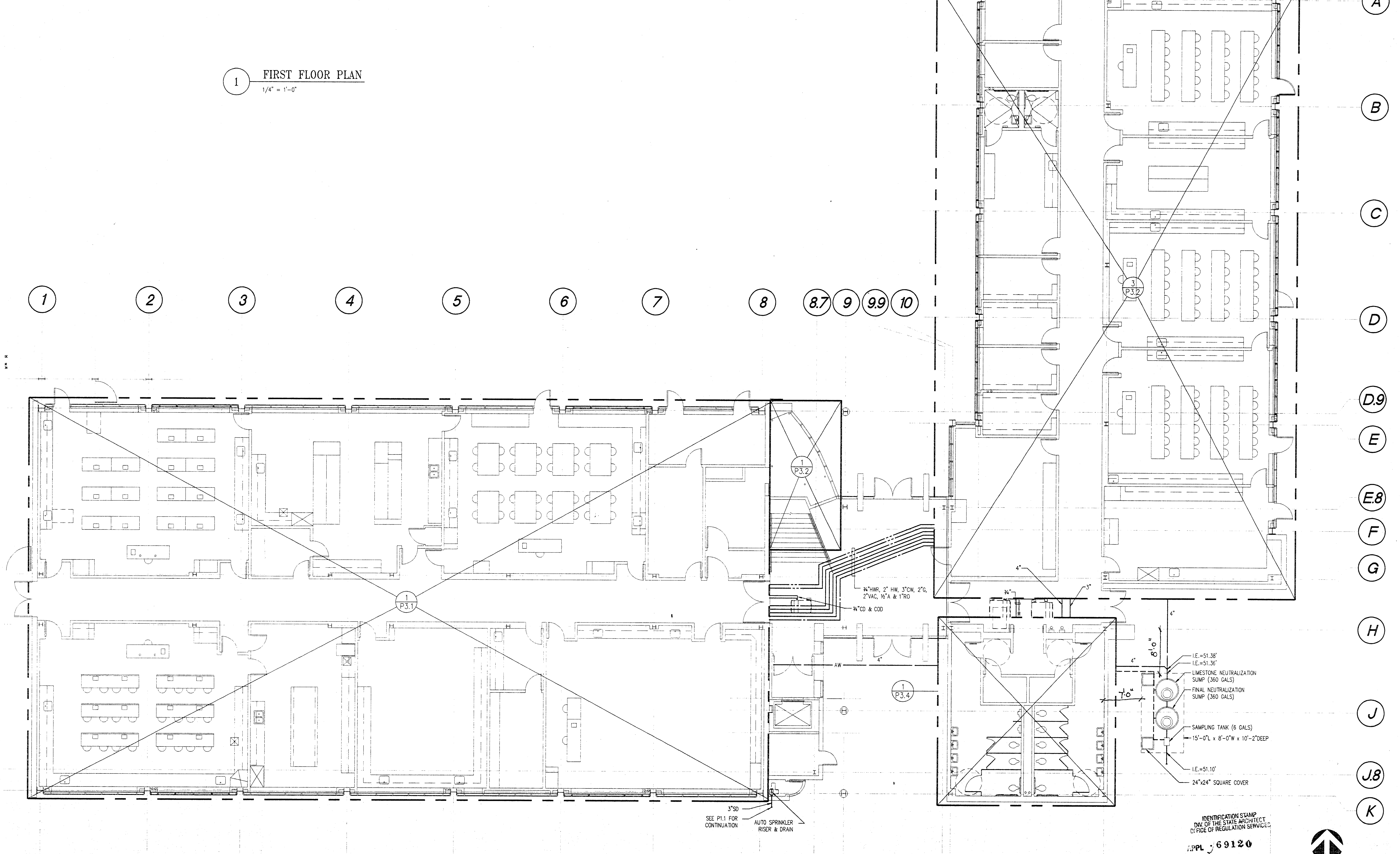
FILE:
SCALE NOT TO SCALE
JOB NO.
DATE

SHEET NO.
P0.2
OF 15 SHEETS

97120P02 3/12/98



1 FIRST FLOOR PLAN
1/4" = 1'-0"



1 FIRST FLOOR PLAN
1/8" = 1'-0"

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APPL 69120
AC W FLS SS WC / W
3-23-98

JGM

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310-202-0678 FAX

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JAMES H. SHWE
No. 26903
Exp: 9/30/98
MECHANICAL

MORRIS R. POINDEXTER
C 13303
3-31-99
RENEWAL DATE

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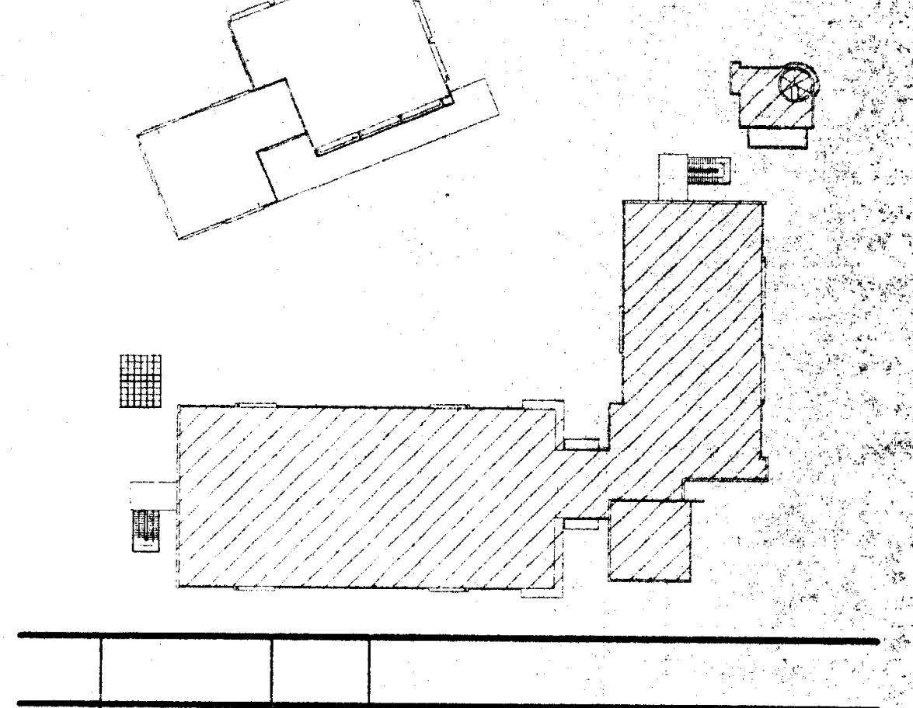


NO.	DATE	BY	REVISION

PROJECT

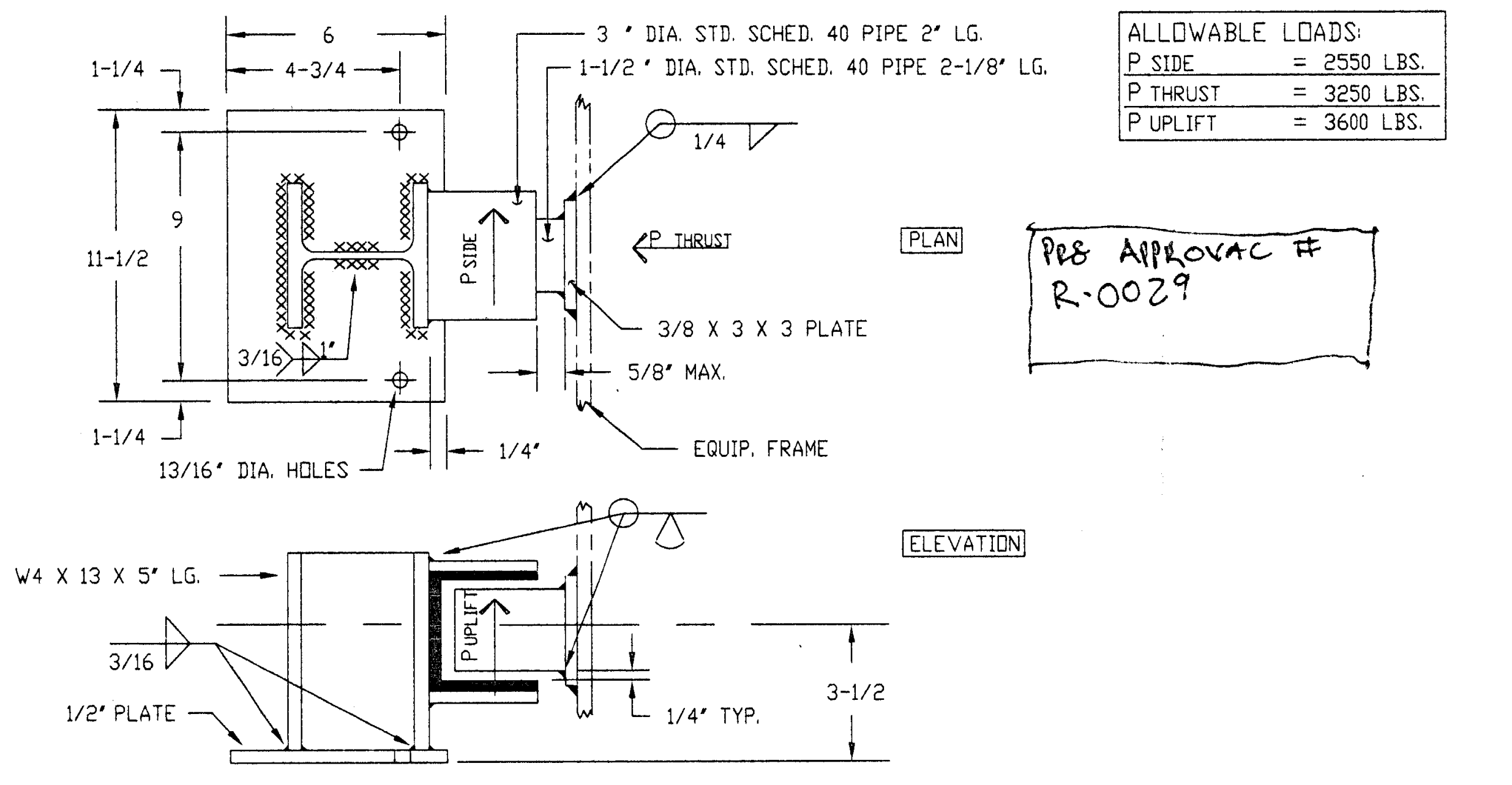
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE
BUILDING FIRST
FLOOR PLAN

FILE:
SCALE ⅛" = 1'-0"
JOB NO.
DATE

SHEET NO.
P2.1
OF 16 SHEETS



ALLOWABLE LOADS:	
P SIDE	= 2550 LBS.
P THRUST	= 3250 LBS.
P UPLIFT	= 3600 LBS.

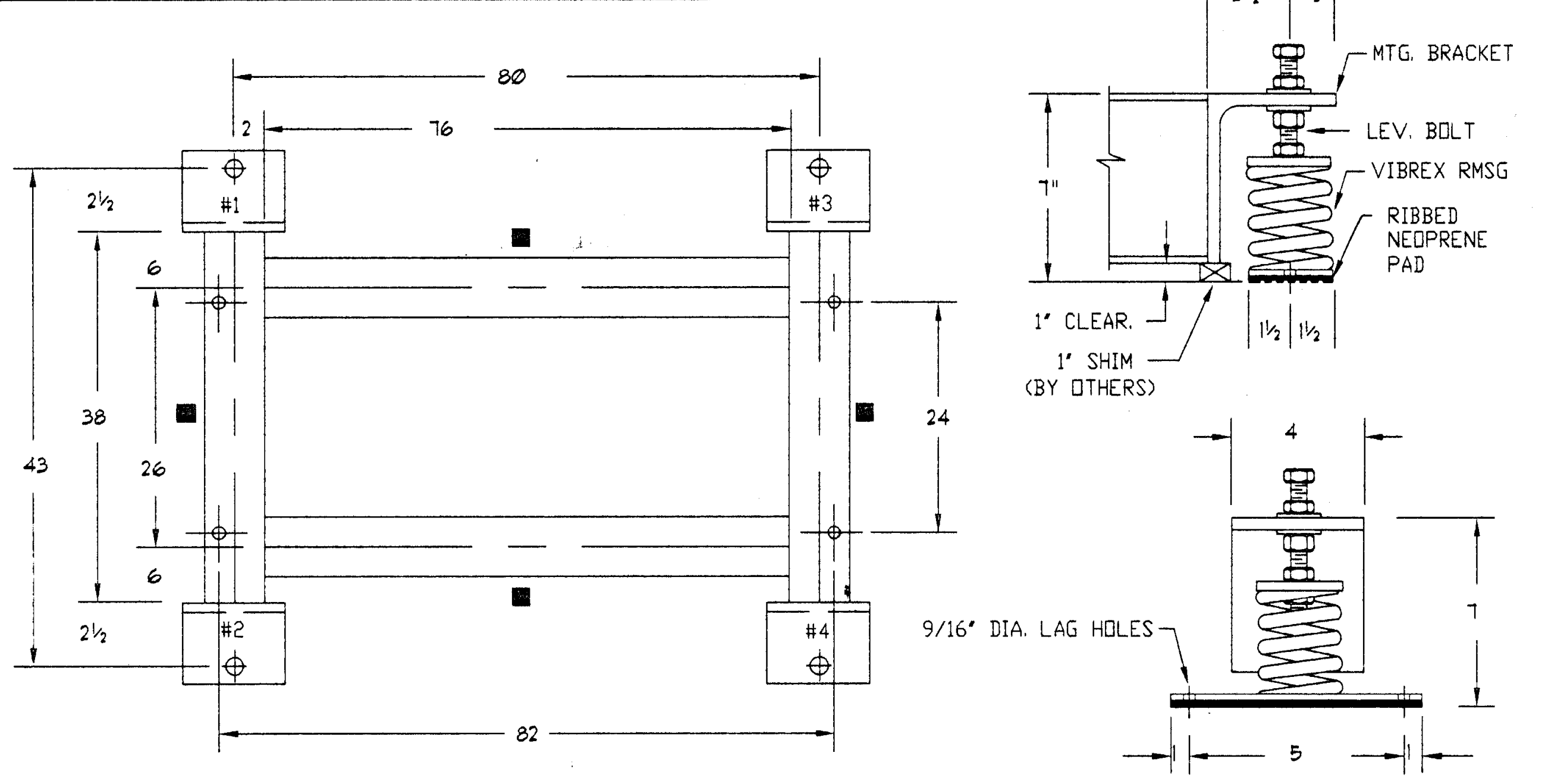
PRS APPROVAC #
R-0029

NOTES: 1. VIBREX SERIES 3500 SEISMIC RESTRAINTS ARE DESIGNED TO RESTRAIN MOVEMENT IN ALL DIRECTIONS. WHEN RESTRAINT IS SUBJECT TO LOADING IN MORE THAN ONE DIRECTION SIMULTANEOUSLY $\Sigma P/P_{ALLOW.} < 1$
2. RESTRAINT SHALL NOT BE IN CONTACT WITH INNER PIPE UNDER NORMAL OPERATING CONDITIONS.
3. RIBBED NEOPRENE PAD IS PROVIDED ON ALL CONTACT SURFACES.
4. USE 3/4" DIA. KWIKBOLT EXPANSION ANCHORS WITH MIN. 3-1/4" EMBED. IN 3000 PSI HARDROCK CONCRETE. TEST ALTERNATE ANCHORS FOR 3480 lbs. PULLOUT. IF ANY ONE ANCHOR FAILS, TEST ALL ANCHORS.
5. ALL SHOP DRAWINGS REGARDING ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

VIBREX 3500-KE SEISMIC RESTRAINT DETAIL

SCALE
NOT TO SCALE
1

MARK	MAKE	MODEL	SIZE	STEEL FRAME
BOOSTER	SAS	T	250/37	W6"X9.0#/ft.

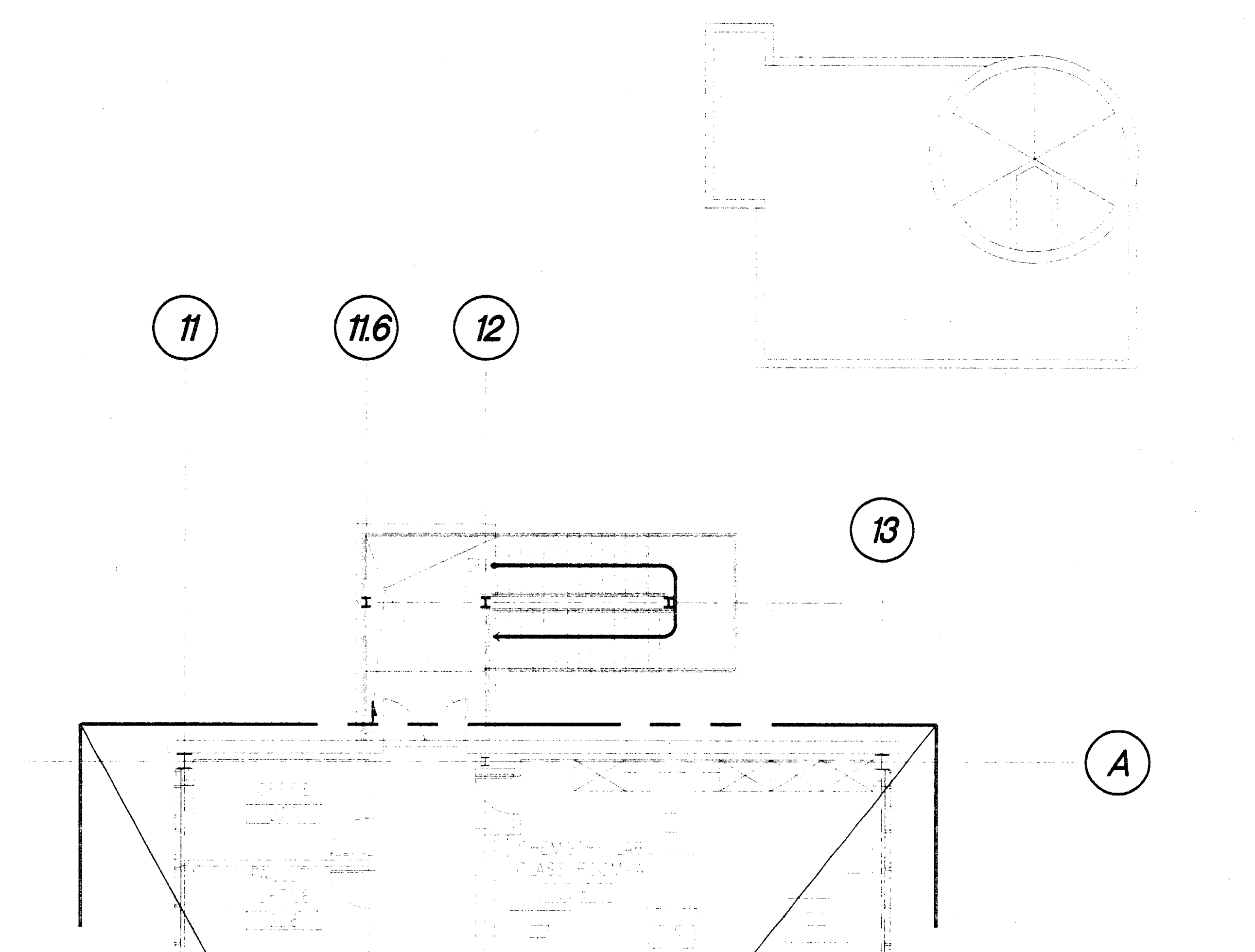
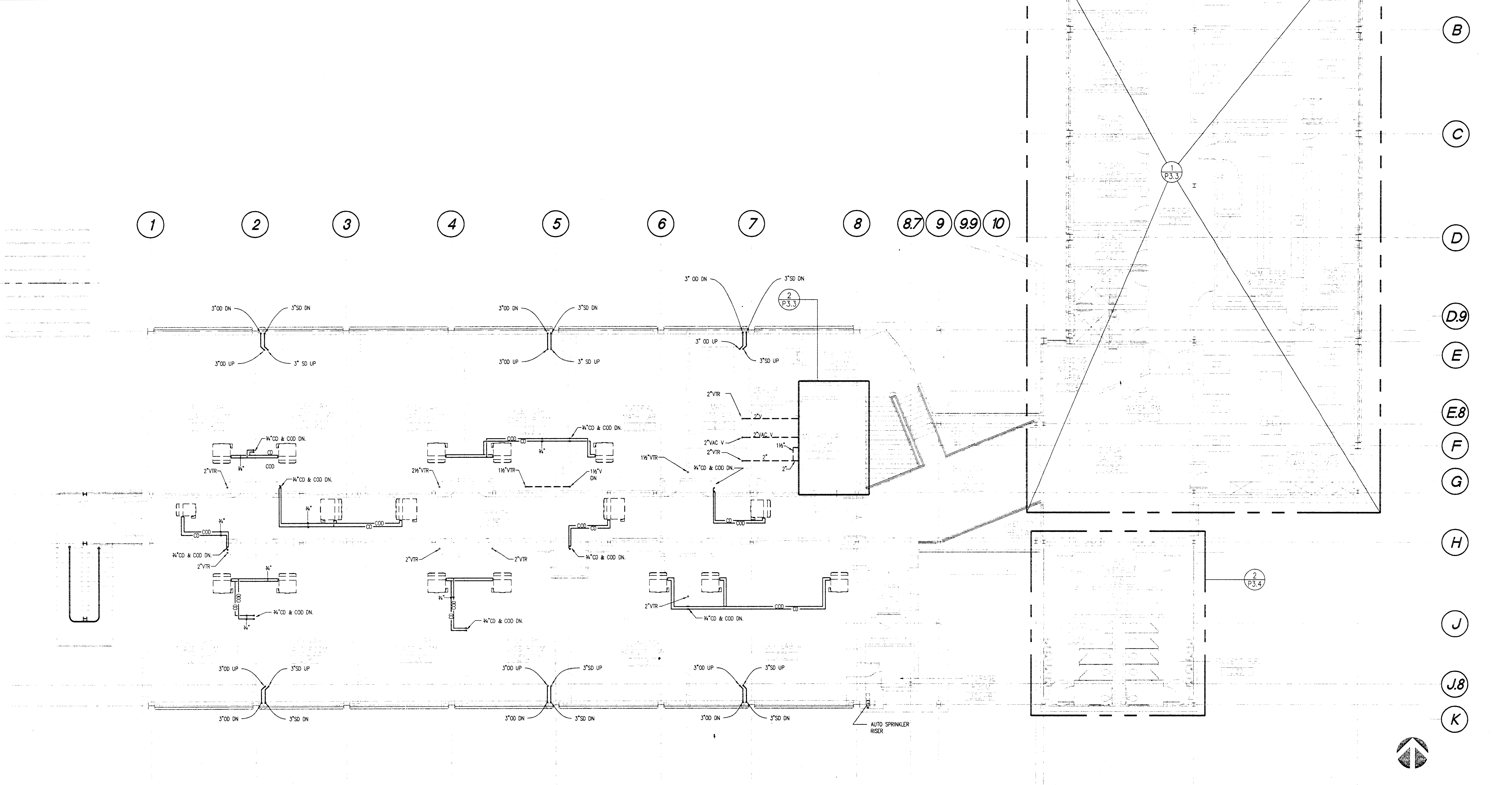


NOTES:
1. APPROX. STEEL WGT.:
2. ■ INDICATES SEISMIC RESTRAINT LOCATION TYP. (4) PLCS., SEE DETAIL #1 OF THIS SHEET.
3. ALL ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

O.D.	DEFL.
3"	1"

VIBREX RMSB BASE FOR TRIPLEX BOOSTER PUMP

SCALE
NOT TO SCALE
2

IDENTIFICATION STAMP
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310-202-0678 FAX

SEAL

JAMES H. SHWE
No. 26903
Exp: 9/30/98

MORRIS R. POINDEXTER
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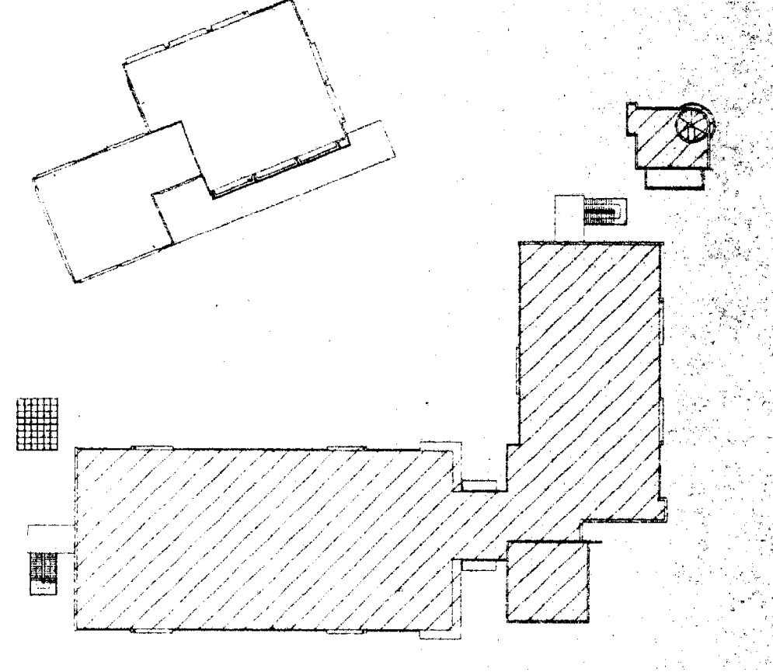
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

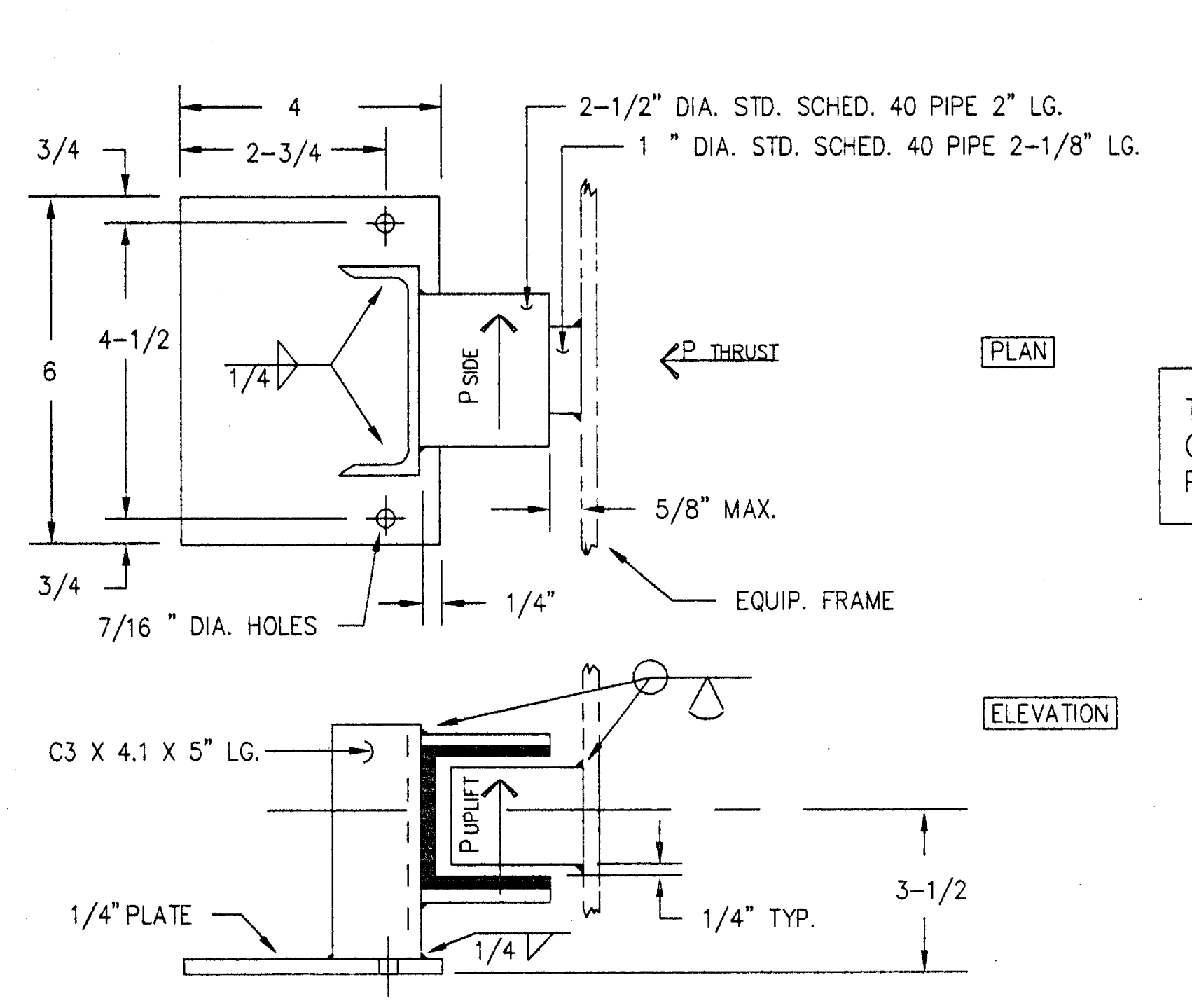
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE
BUILDING SECOND
FLOOR PLAN

FILE:
SCALE ⅛" = 1'-0"
JOB NO.
DATE

SHEET NO.
P2.2
OF 16 SHEETS

97120P22 12.30.97



ALLOWABLE LOADS:
P SIDE = 425 LBS.
P THRUST = 640 LBS.
P UPLIFT = 700 LBS.

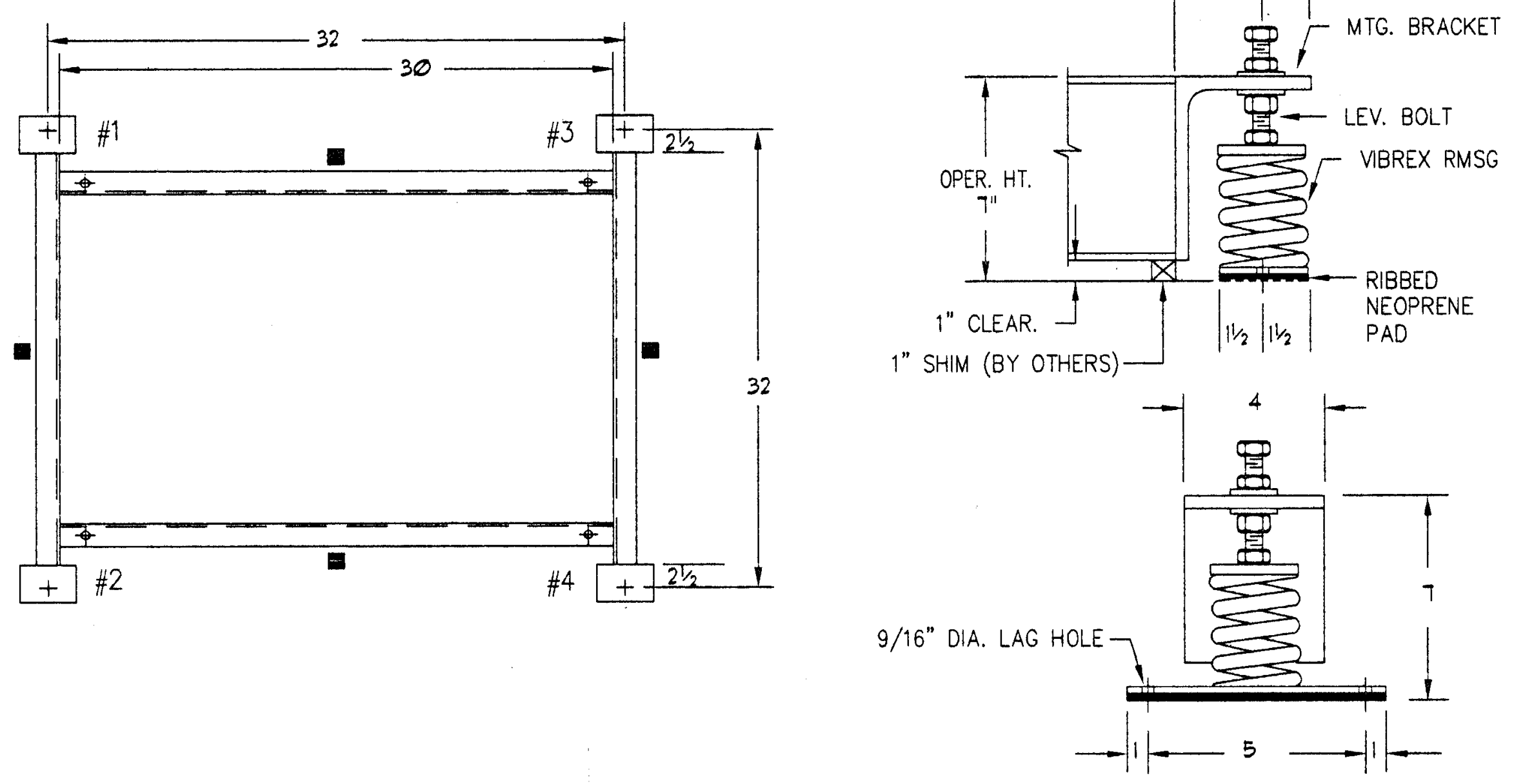
THESE VALUES ARE
O.S.H.P.D / R-0029
PRE-APPROVED

NOTES:
1. VIBREX SERIES 3500 SEISMIC RESTRAINTS ARE DESIGNED TO RESTRAIN MOVEMENT IN ALL DIRECTIONS. WHEN RESTRAINT IS SUBJECT TO LOADING IN MORE THAN ONE DIRECTION SIMULTANEOUSLY: $\sum P/P_{ALLOW.} < 1$
2. RESTRAINT SHALL NOT BE IN CONTACT WITH INNER PIPE UNDER NORMAL OPERATING CONDITIONS.
3. RIBBED NEOPRENE PAD IS PROVIDED ON ALL CONTACT SURFACES.
4. USE 3/8" DIA. KWIKBOLT ANCHORS WITH MIN. 2-1/2" EMBED. IN 3000 PSI. HARDROCK CONCRETE. TEST ALTERNATE ANCHORS FOR 1936 lbs PULLOUT. IF ANY ONE ANCHOR FAILS, TEST ALL ANCHORS.
5. ALL SHOP DRAWINGS REGARDING ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

VIBREX 3500-KA SEISMIC RESTRAINT DETAIL

SCALE
NOT TO SCALE
1

MARK	MAKE	TYPE	SIZE	STEEL FRAME
	BUSCH	R5	0160	C6"X8.2 #/ft.

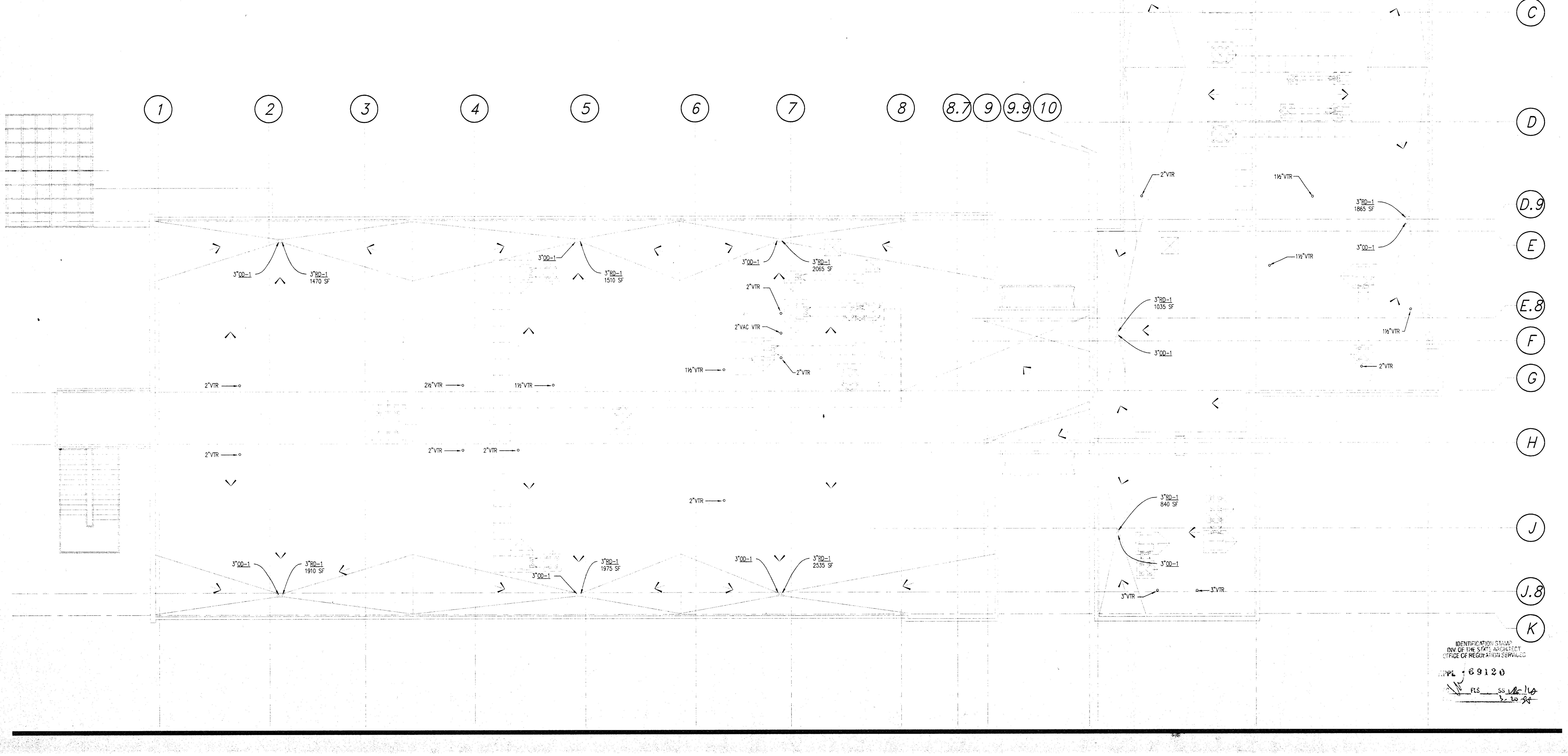


NOTES:
1. APPROXIMATE STEEL WEIGHT:
2. ■ INDICATES SEISMIC RESTRAINT LOCATIONS TYP. (4) PLCS., SEE DETAIL # 1 OF THIS SHEET.
3. ALL SHOP DRAWINGS REGARDING ANCHORAGE TO STRUCTURE TO BE REVIEWED & APPROVED BY STRUCTURAL CONSULTANT.

O.D.	DEFL.
3"	1"

VIBREX RMSB BASE FOR VACUUM PUMP

SCALE
NOT TO SCALE
2



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SEAL
JAMES H. SHWE
No. 26903
Exp: 9/30/98

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Mechanical Engineers
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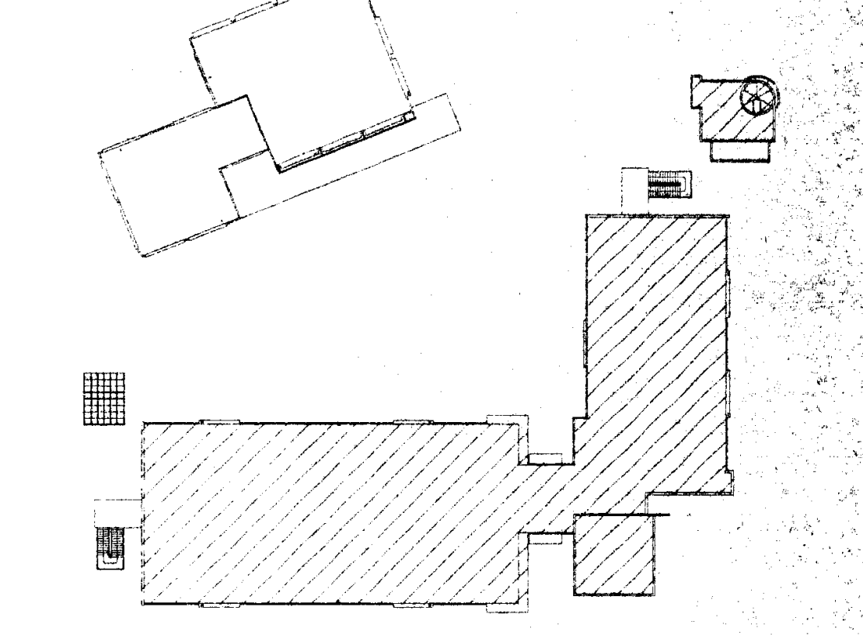
VALLEY VILLAGE, CA 91607
(818) 760-7300
FAX(818) 760-4645

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY
MATH-SCIENCE BUILDING

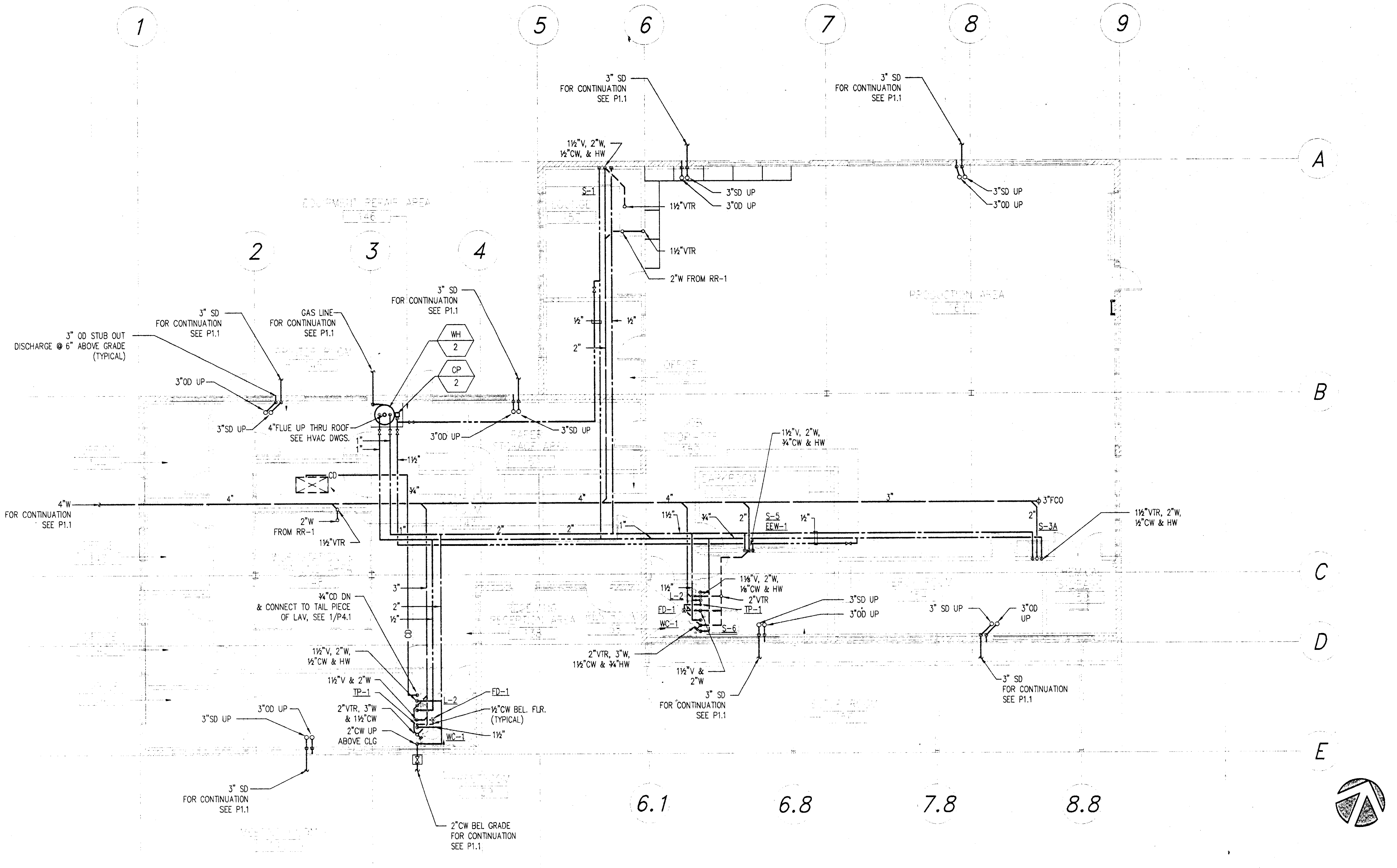
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

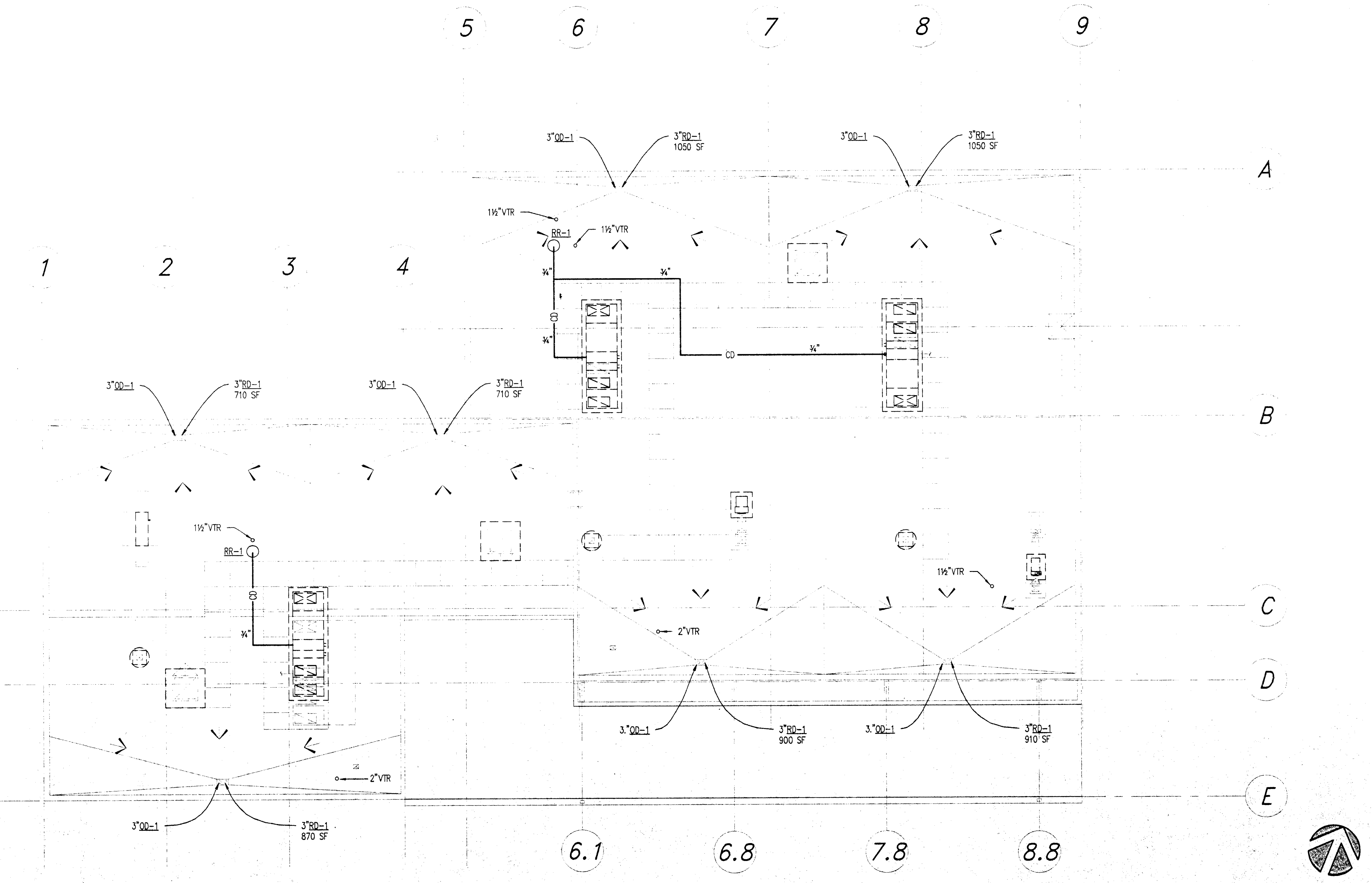
SHEET TITLE
MATH SCIENCE
BUILDING
ROOF PLAN

FILE:
SCALE ⅛" = 1'-0"
JOB NO.
DATE

SHEET NO.
P2.3
OF 16 SHEETS

97120P23 12.18.97





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SEAL

REGISTERED PROFESSIONAL ENGINEER
JAMES H. SHWE
No. 26903
Exp: 9/30/98
MECHANICAL
STATE OF CALIFORNIA

LICENSED ARCHITECT
MORRIS R. POINDEXTER
C13900
3-31-99
RENEWAL DATE
STATE OF CALIFORNIA

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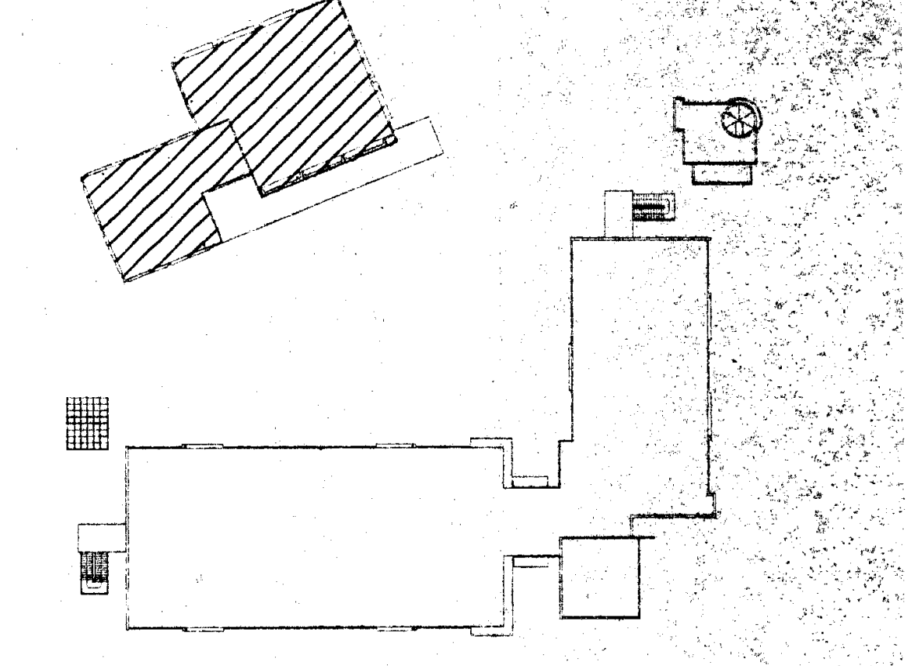
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH & SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MIS + PRINTSHOP FIRST FLOOR PLAN + ROOF PLAN

IDENTIFICATION STAMP
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APPL 69120
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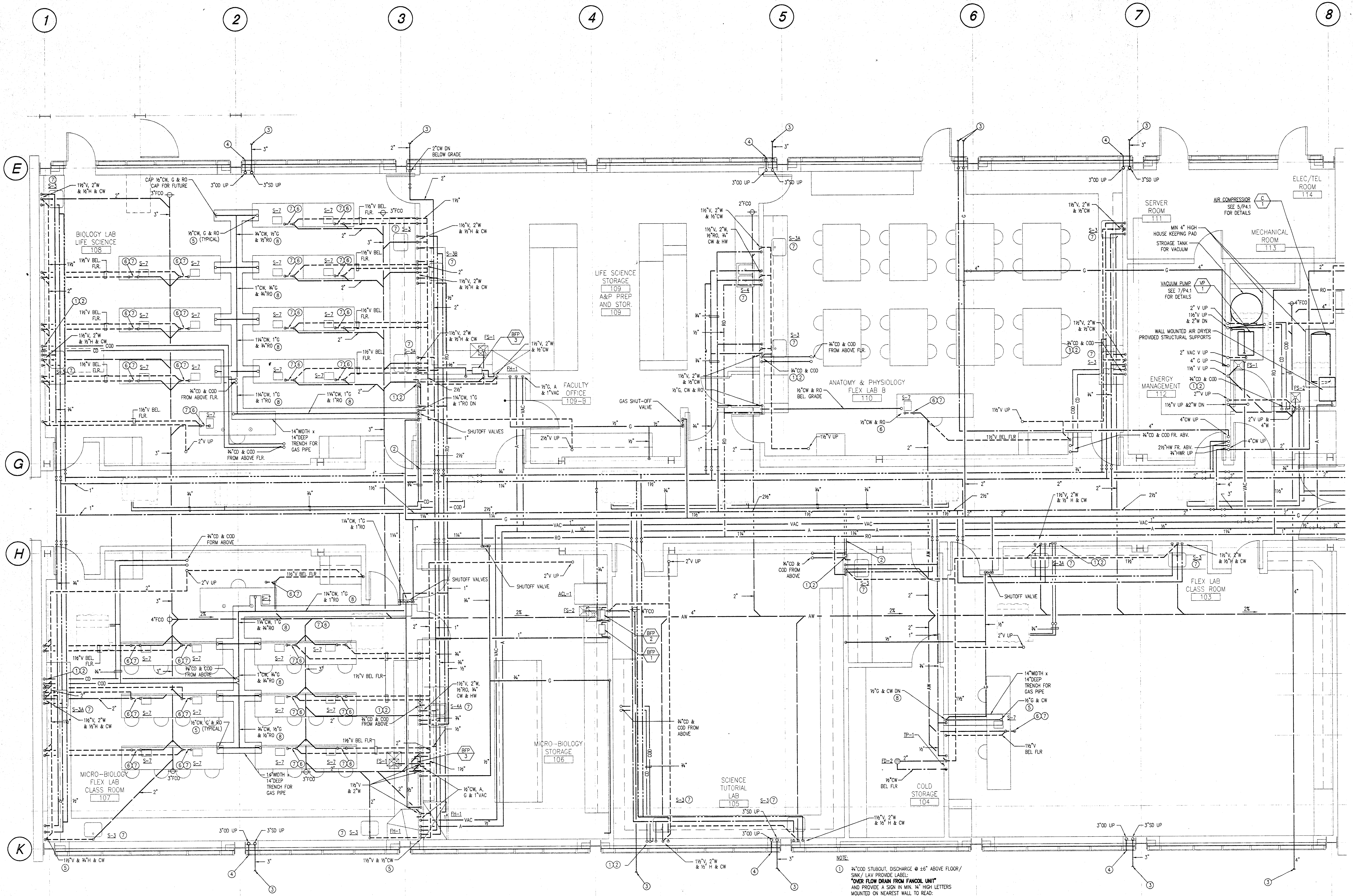
3-20-98

FILE:
SCALE
JOB NO.
DATE

SHEET NO.
P2.4
OF 16 SHEETS

97120P24 01.25.98



NOTE:

① ¾"COD STUBOUT, DISCHARGE @ ±6" ABOVE FLOOR/ SINK/ LAV PROVIDE LABEL:
"OVER FLOW DRAIN FROM FANCOIL UNIT"
AND PROVIDE A SIGN IN MIN. ¼" HIGH LETTERS MOUNTED ON NEAREST WALL TO READ:
"IF WATER IS OBSERVED SPILLING FROM THIS DRAIN PIPE, NOTIFY SCHOOL MAINTENANCE IMMEDIATELY"

② ¾" CD DN. BETWEEN STUDS, CONNECT TO SINK OR LAV. SEE 1/P4.1 FOR DETAILS

③ SEE P1.1 FOR CONTINUATION

④ 3" OD STUBOUT, DISCHARGE @ 6" ABOVE GRADE

⑤ RUN INSIDE/ UNDER COUNTER AND CONNECT TO FIXTURE(S)/ OUTLET(S)

⑥ ISLAND VENT, SEE 4/P4.1 FOR DETAILS

⑦ PROVIDE DILUTION TRAP. ORION MODEL DT-1 OR EQUAL. SEE 7/P4.1 FOR DETAILS

⑧ RUN INSIDE TRENCH

① ENLARGED FIRST FLOOR PLAN
1/4" = 1'-0"

IDENTIFICATION STAMP
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APPL · 69120
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SEAL
JAMES H. SHWE
No. 26903
Exp: 9/30/98
MORRIS R. POINDEXTER
3-31-99

MAROKO & ASSOCIATES
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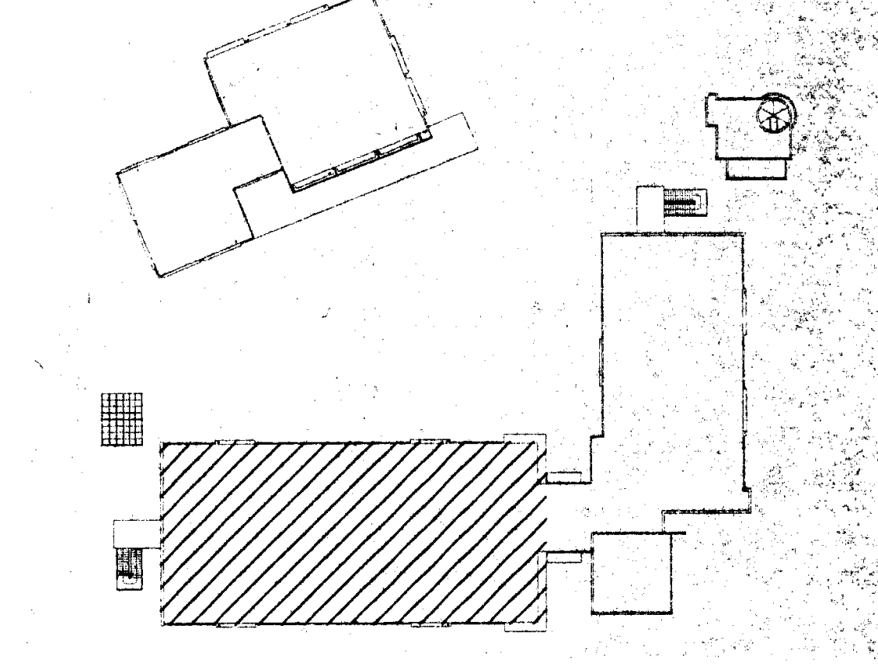
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
ENLARGED
FIRST FLOOR
PLAN

FILE:
SCALE ¼" = 1'-0"
JOB NO.
DATE
SHEET NO.
P3.1
OF 15 SHEETS

97120P31 01.05.98

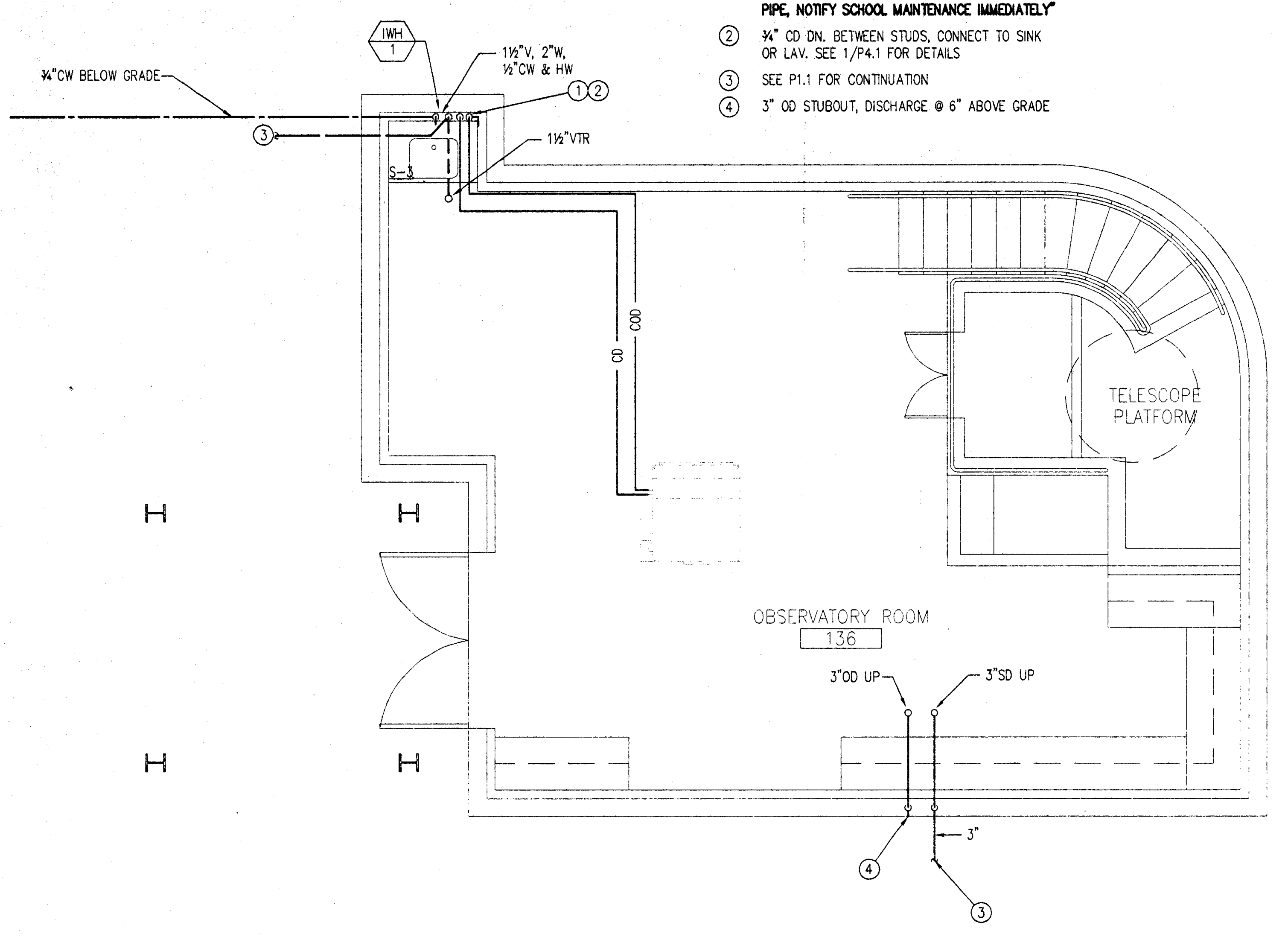
NOTE:

① ¾"COD STUBOUT, DISCHARGE @ ±6" ABOVE FLOOR/ SINK/ LAV PROVIDE LABEL:
"OVER FLOW DRAIN FROM FANCOIL UNIT"
AND PROVIDE A SIGN IN MIN. ¼" HIGH LETTERS MOUNTED ON NEAREST WALL TO READ:
"IF WATER IS OBSERVED SPILLING FROM THIS DRAIN PIPE, NOTIFY SCHOOL MAINTENANCE IMMEDIATELY"

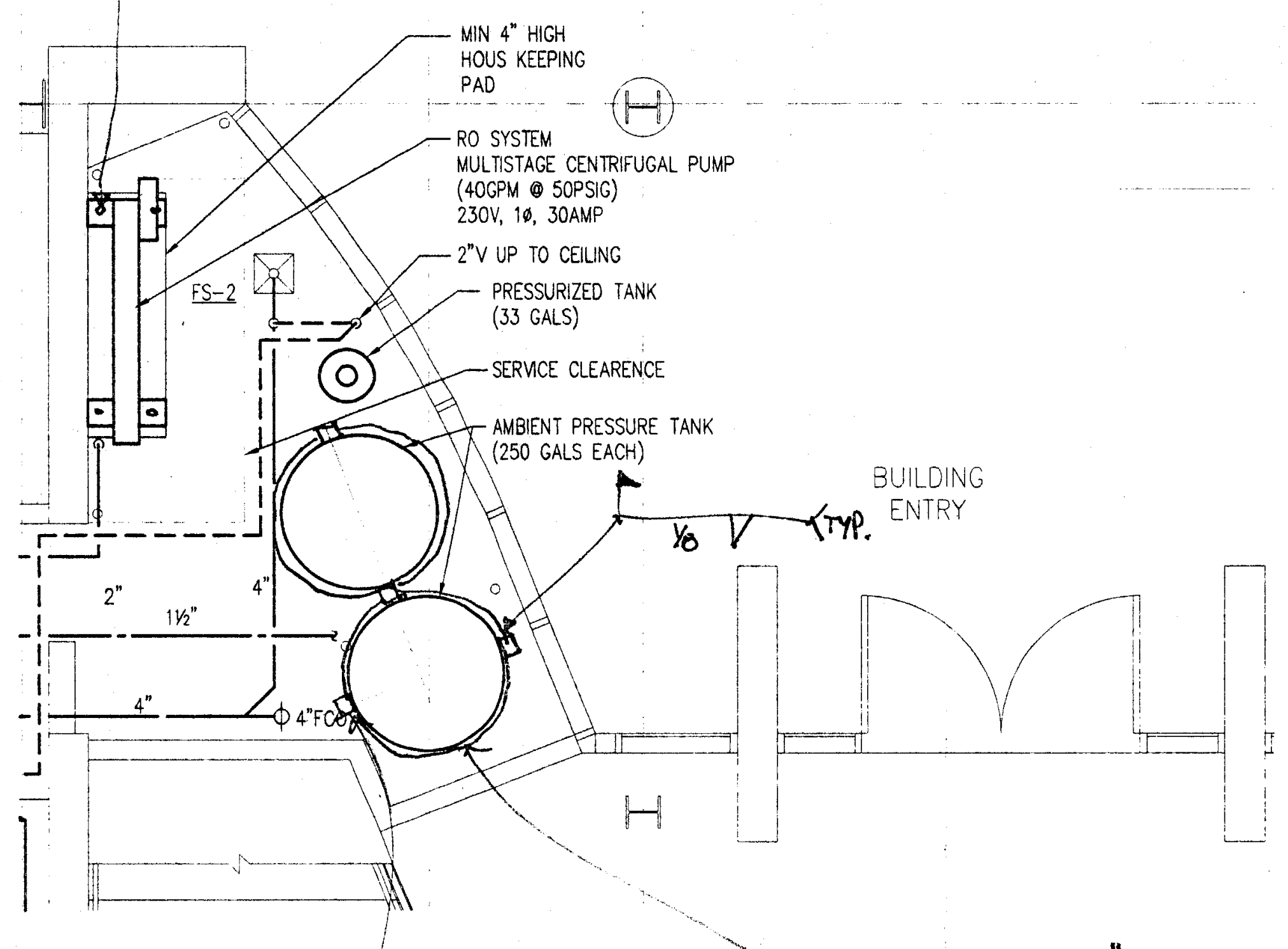
② ¾" CD DN. BETWEEN STUDS, CONNECT TO SINK OR LAV. SEE 1/P4.1 FOR DETAILS

③ SEE P1.1 FOR CONTINUATION

④ 3" OD STUBOUT, DISCHARGE @ 6" ABOVE GRADE



② ENLARGED FLOOR PLAN
1/4" = 1'-0"



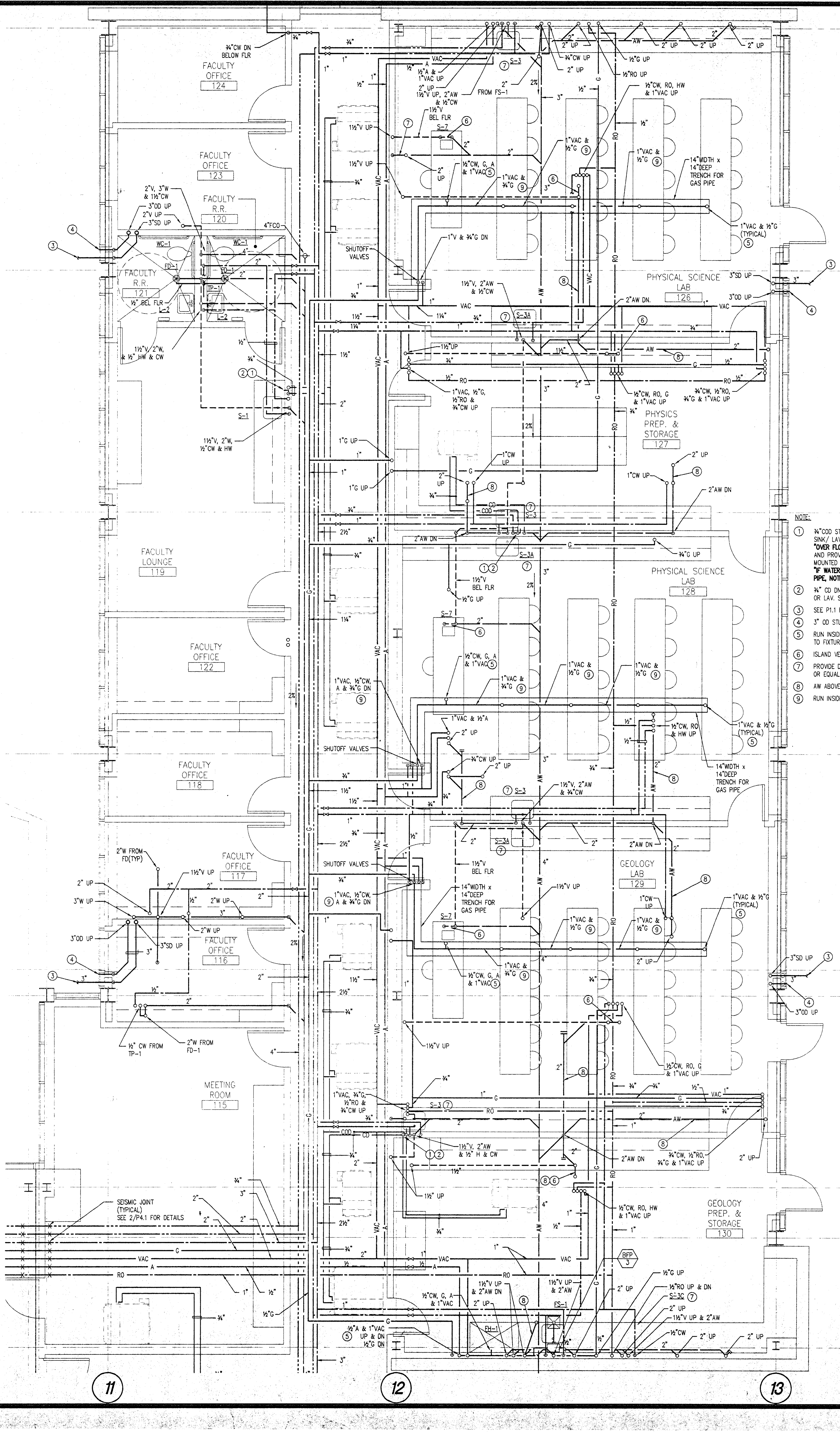
½" Ø HILTI KB II
(4 TOTAL) EMBED = 4" MIN.
SPECIAL INSP. REQ'D.

⅛ V TYP.

⅛" x 2" WIDE
STRAP - TYP.

TS 4x4 x ¼ FULL HT.
EA. SIDE - TYP.
SEE DET. 15/A7.4B FOR
HEAD & SILL CONNECTIONS.

③ ENLARGED FLOOR PLAN
1/4" = 1'-0"



① ENLARGED FLOOR PLAN
1/4" = 1'-0"

A
B
C
D
D.9
E
E.8
F
G

NOTE:

① ¾"COD STUBOUT, DISCHARGE @ ±6" ABOVE FLOOR/ SINK/ LAV PROVIDE LABEL:
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② ¾" CD DN. BETWEEN STUDS, CONNECT TO SINK OR LAV. SEE 1/P4.1 FOR DETAILS

③ SEE P1.1 FOR CONTINUATION

④ 3" OD STUBOUT, DISCHARGE @ 6" ABOVE GRADE

⑤ RUN INSIDE/ UNDER COUNTER AND CONNECT TO FIXTURE(S)/ OUTLET(S)

⑥ ISLAND VENT, SEE 4/P4.1 FOR DETAILS

⑦ PROVIDE DILUTION TRAP. ORION MODEL DT-1 OR EQUAL. SEE 7/P4.1 FOR DETAILS

⑧ AW ABOVE CEILING

⑨ RUN INSIDE TRENCH

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JAMES H. SHIWE
No. 26903
Exp: 9/30/98
MORRIS R. POINDEXTER
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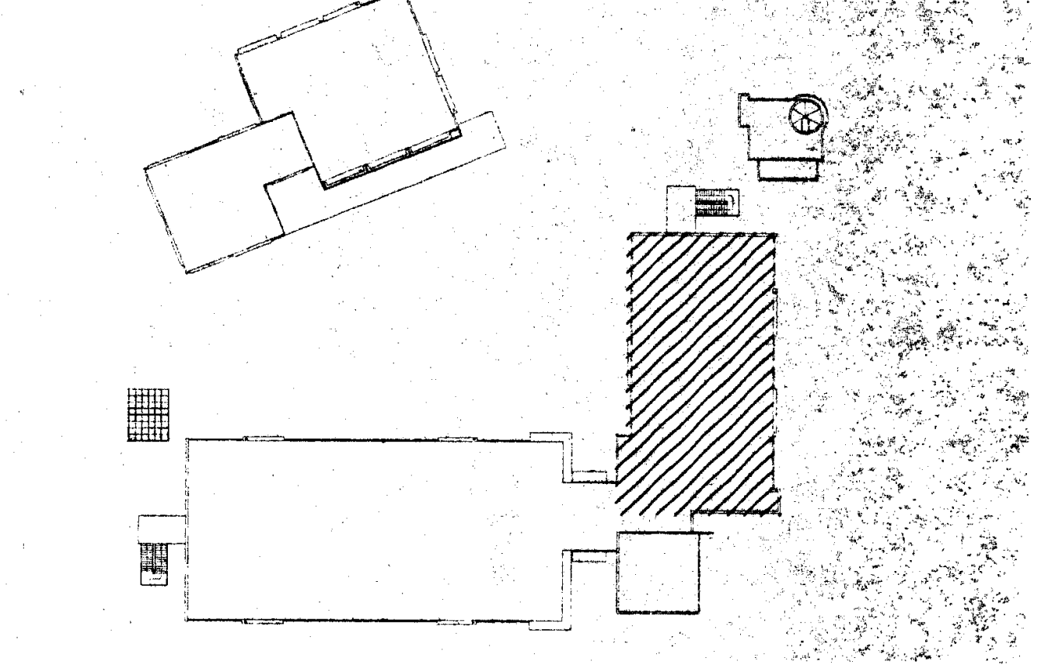
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

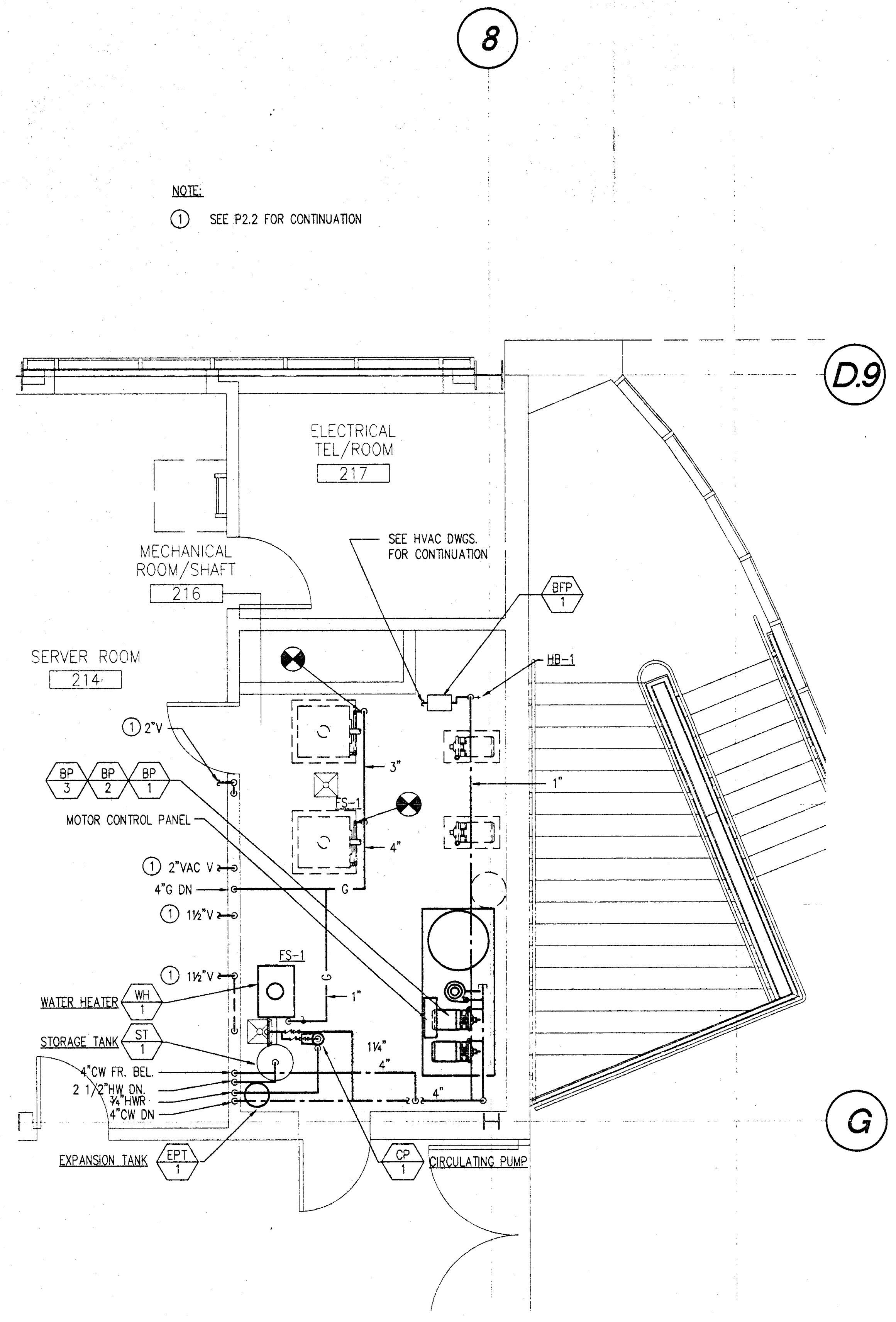
SHEET TITLE
ENLARGED FIRST FLOOR PLAN

FILE:
SCALE ¼" = 1'-0"
JOB NO.
DATE
SHEET NO.
P3.2
OF 15 SHEETS

97120P32 01.05.98

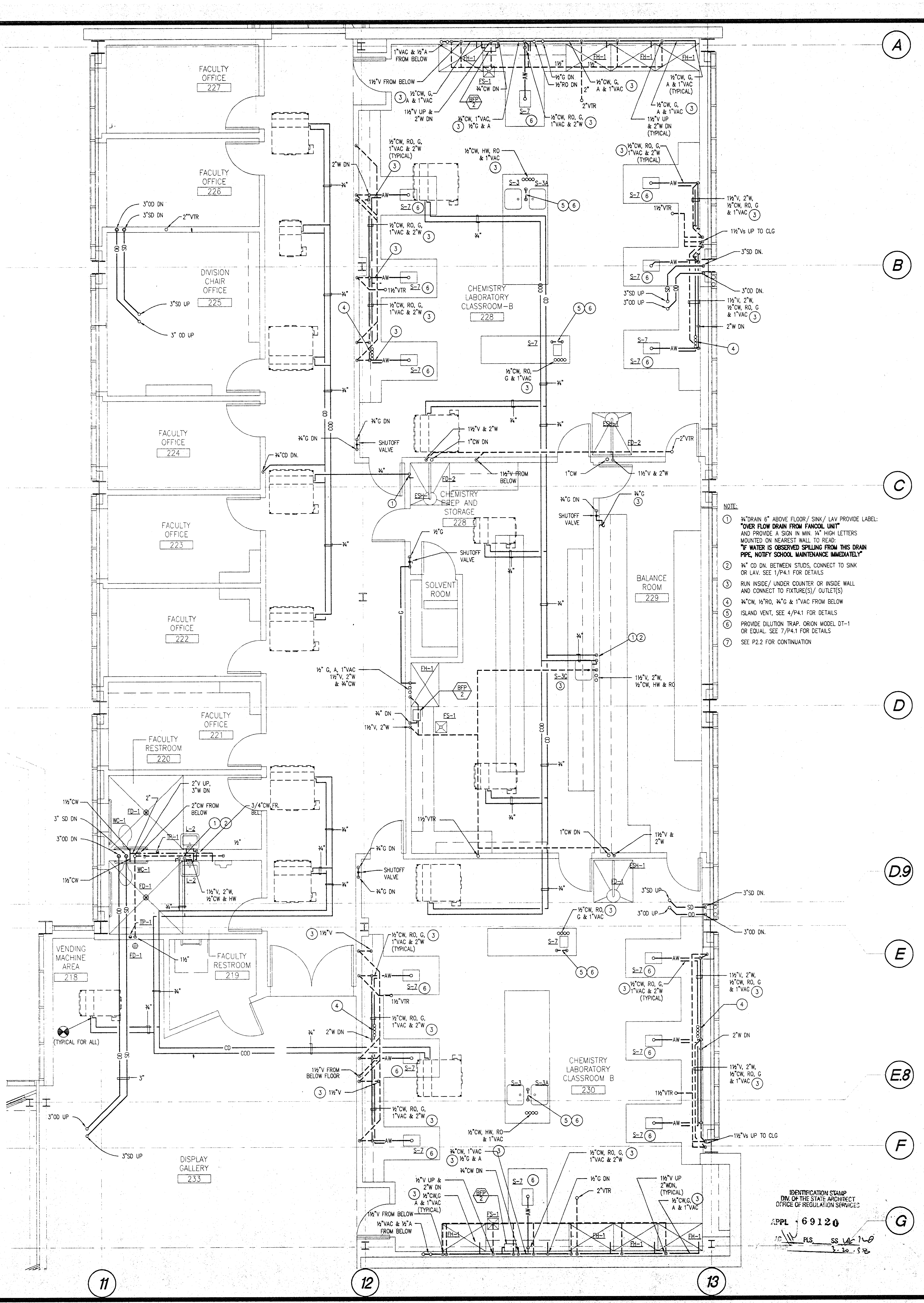
NOTE:

① SEE P2.2 FOR CONTINUATION



② ENLARGED MECHANICAL ROOM PLAN

1/4" = 1'-0"



NOTE:

① ¾"DRAIN 6" ABOVE FLOOR/ SINK/ LAV PROVIDE LABEL: **"OVER FLOW DRAIN FROM FANCOIL UNIT"** AND PROVIDE A SIGN IN MIN. ¼" HIGH LETTERS MOUNTED ON NEAREST WALL TO READ: **"IF WATER IS OBSERVED SPILLING FROM THIS DRAIN PIPE, NOTIFY SCHOOL MAINTENANCE IMMEDIATELY"**

② ¾" CD DN. BETWEEN STUDS, CONNECT TO SINK OR LAV. SEE 1/P4.1 FOR DETAILS

③ RUN INSIDE/ UNDER COUNTER OR INSIDE WALL AND CONNECT TO FIXTURE(S)/ OUTLET(S)

④ ¾"CW, ½"RO, ¾"G & 1"VAC FROM BELOW

⑤ ISLAND VENT, SEE 4/P4.1 FOR DETAILS

⑥ PROVIDE DILUTION TRAP. ORION MODEL DT-1 OR EQUAL. SEE 7/P4.1 FOR DETAILS

⑦ SEE P2.2 FOR CONTINUATION

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DATE 3-20-98

① ENLARGED FLOOR PLAN

1/4" = 1'-0"

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Exp: 9/30/98

MORRIS R. POINDEXTER
C 3900
3-31-99

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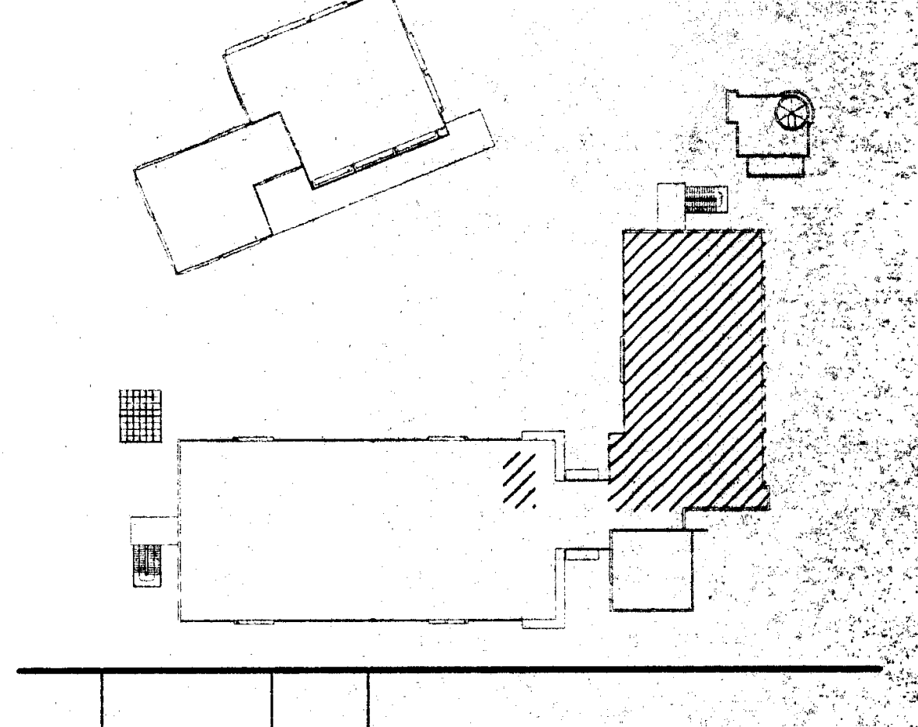
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

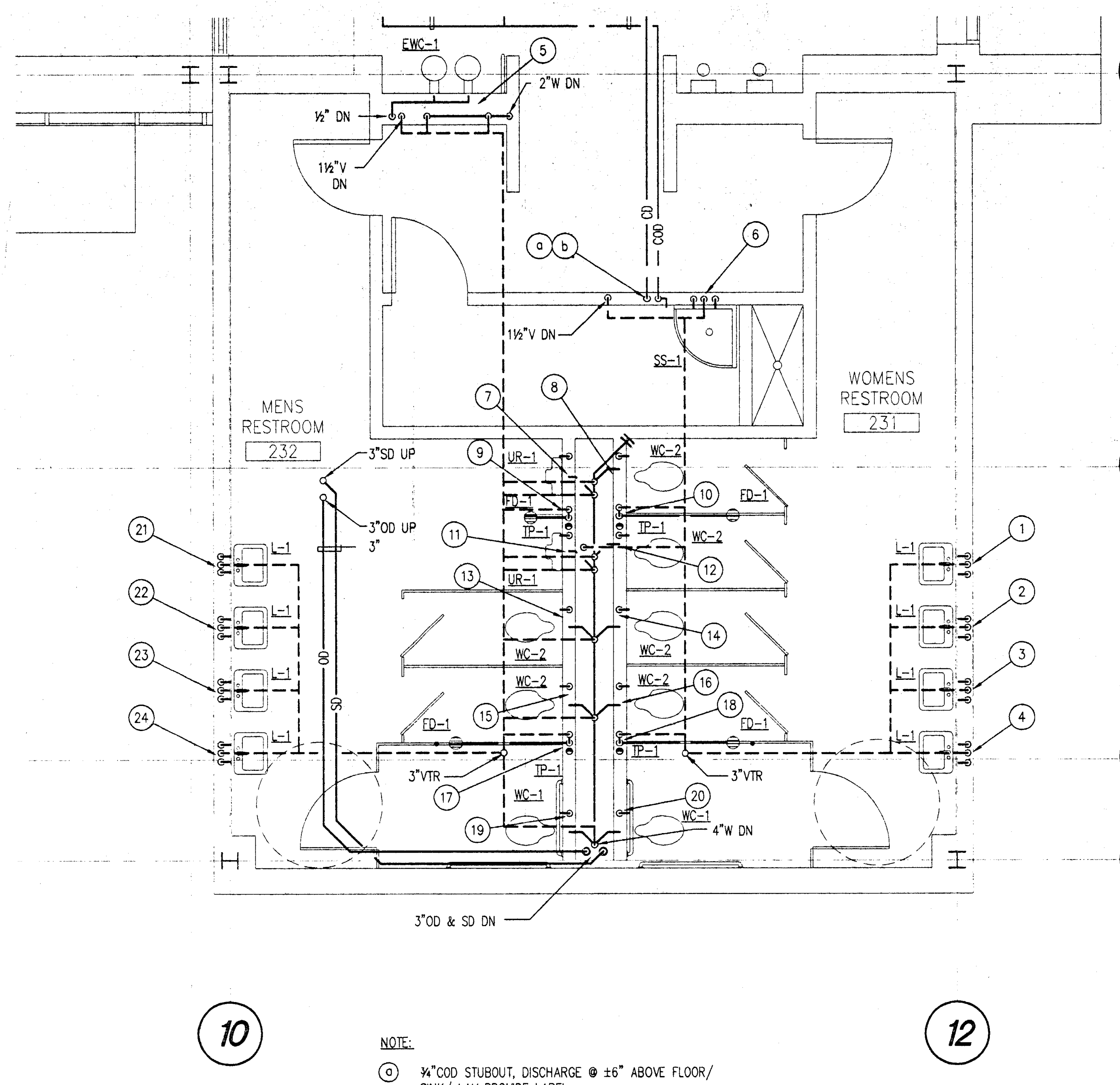
SHEET TITLE

ENLARGED SECOND FLOOR PLAN

FILE:
SCALE ¼" = 1'-0"
JOB NO.
DATE

SHEET NO.
P3.3
OF 16 SHEETS

97120P33 01.05.98



NOTE:

ⓐ ¾"COD STUBOUT, DISCHARGE @ ±6" ABOVE FLOOR/ SINK/ LAV PROVIDE LABEL:
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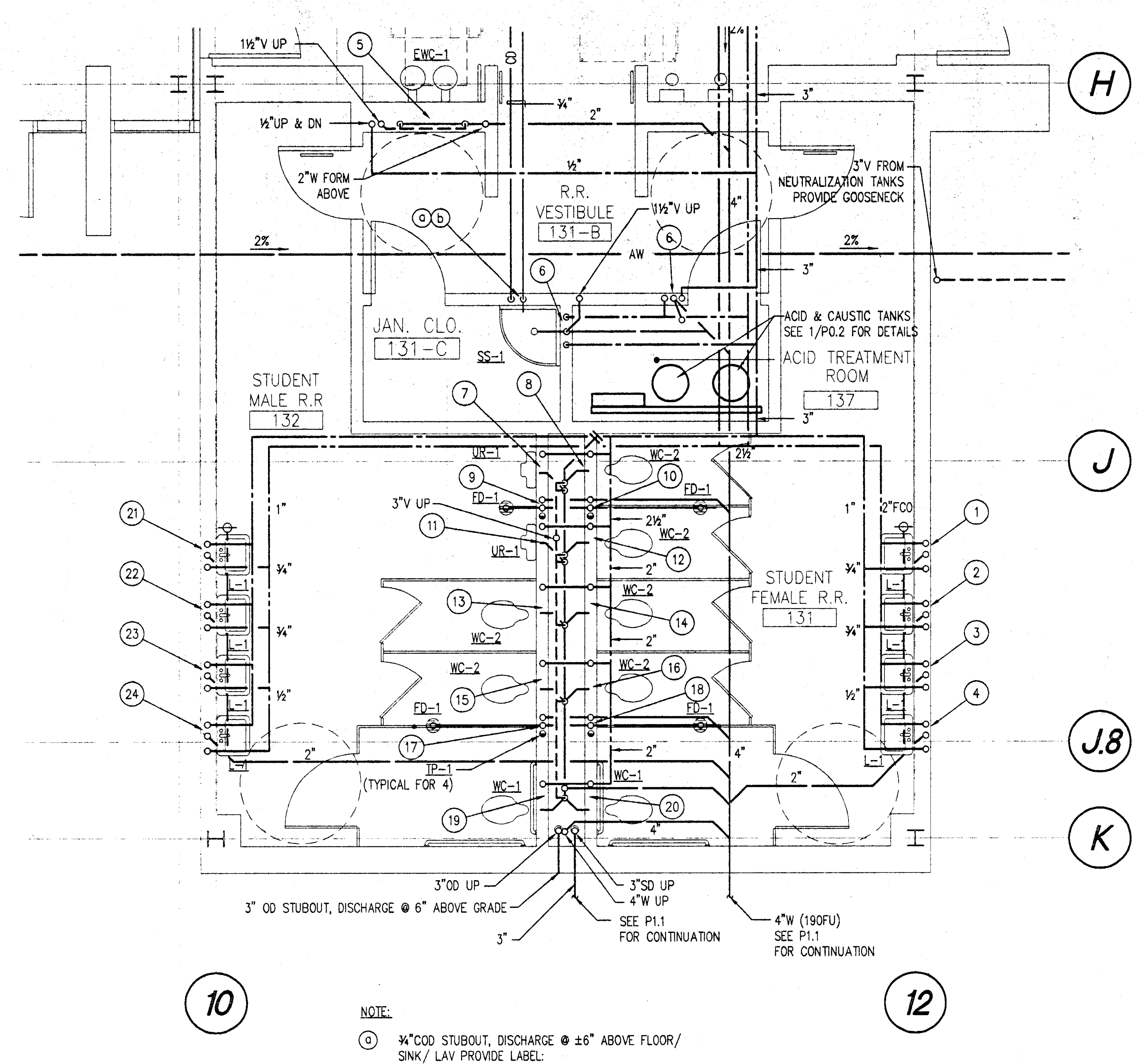
ⓑ ¾" CD DN. BETWEEN STUDS, CONNECT TO SINK OR LAV. SEE 1/P4.1 FOR DETAILS

ⓒ SEE 1/P4.3 FOR WASTE RISER & 2/P4.2 FOR WATER RISER

1 ENLARGED SECOND FLOOR TOILET PLAN

1/4" = 1'-0"



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ⓑ ¾" CD DN. BETWEEN STUDS, CONNECT TO SINK OR LAV. SEE 1/P4.1 FOR DETAILS

ⓒ SEE 1/P4.3 FOR WASTE RISER & 2/P4.2 FOR WATER RISER

1 ENLARGED FIRST FLOOR TOILET PLAN

1/4" = 1'-0"

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No. 26903
Exp: 9/30/98

C-10800

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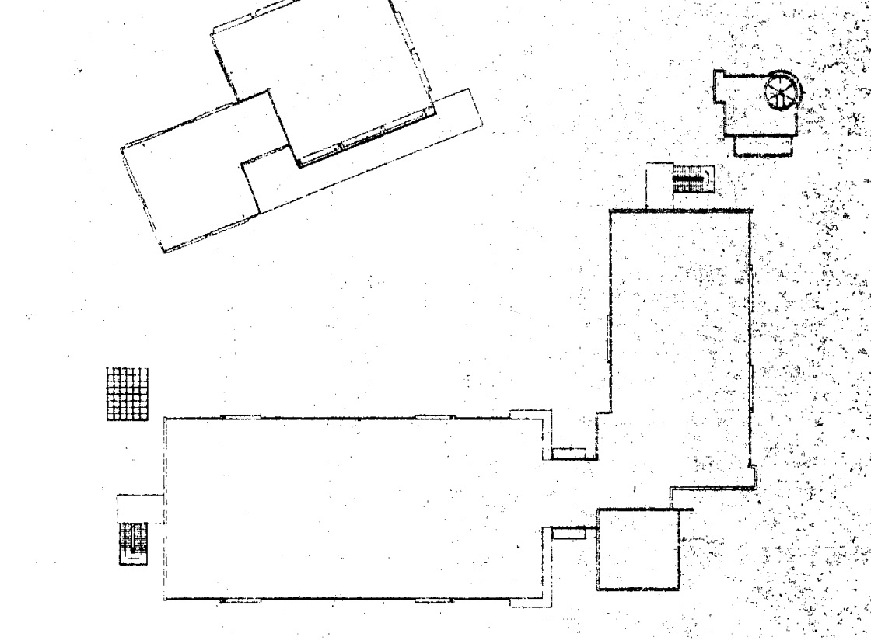


NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

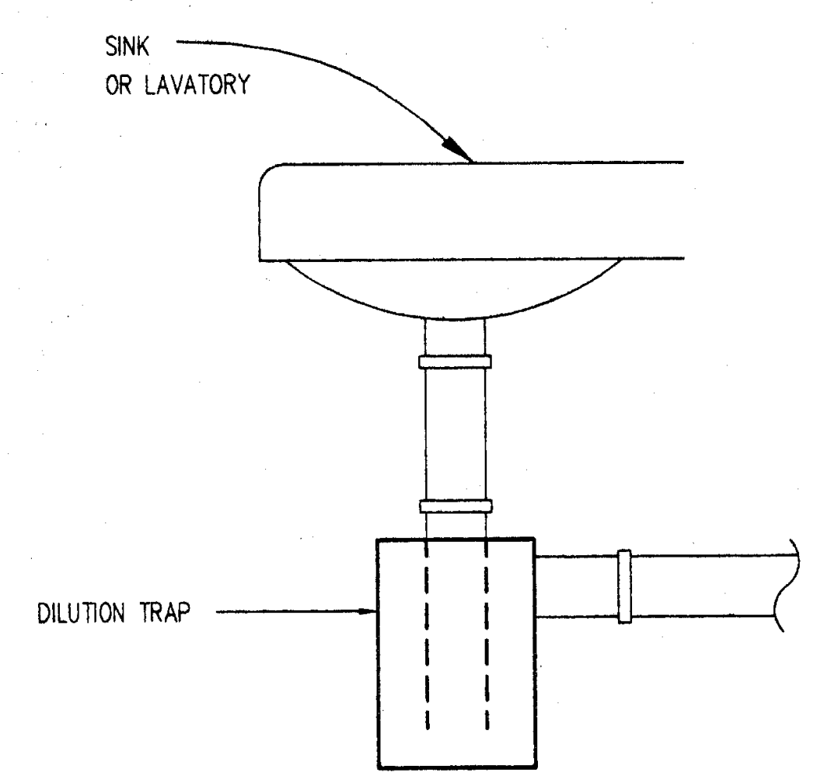
SHEET TITLE

ENLARGED
TOILET
PLANS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ___ FLS ___ SS ___
DATE 3-20-98

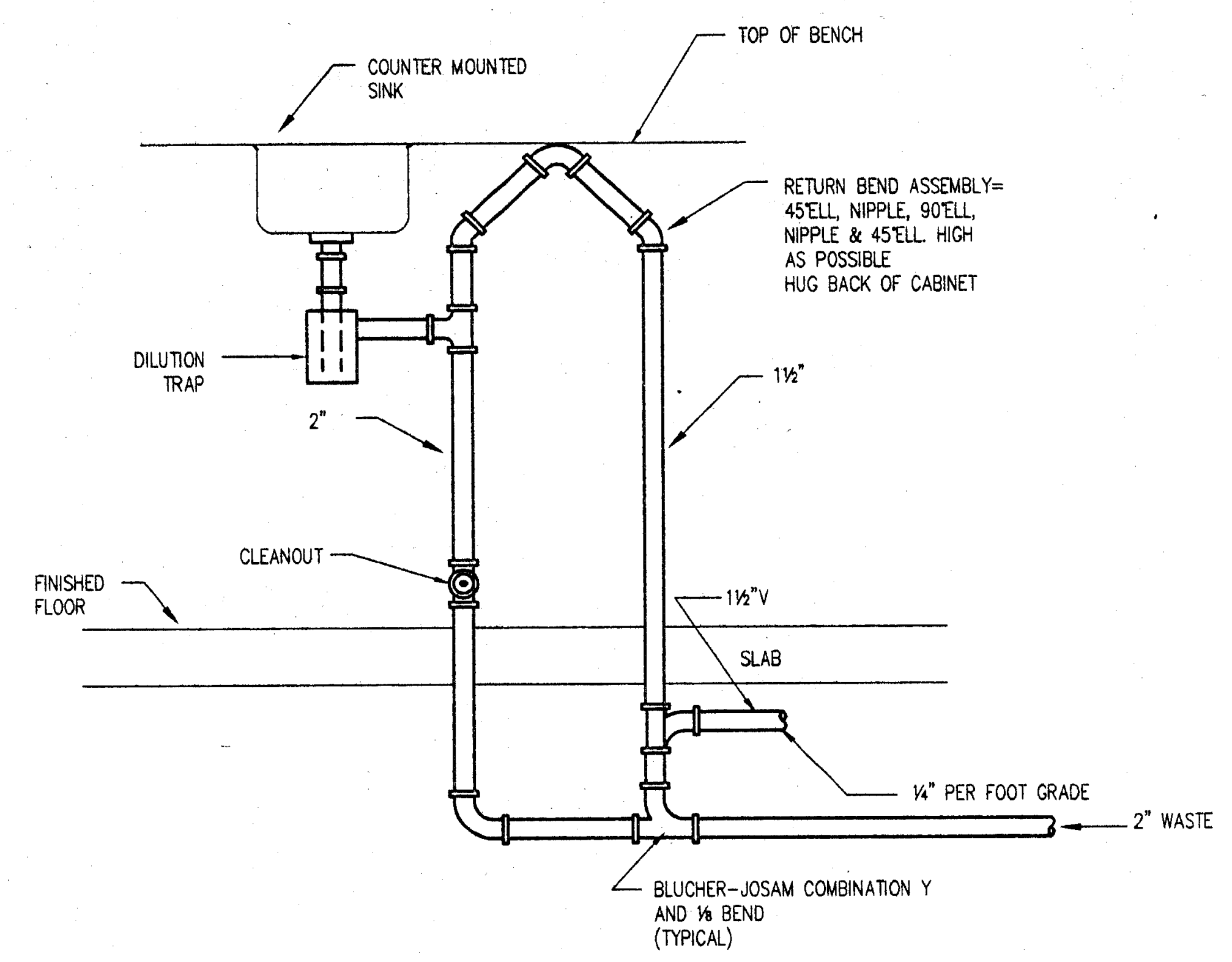
FILE:
SCALE ¼" = 1'-0"
JOB NO.
DATE

SHEET NO.
P3.4
OF ____ SHEETS



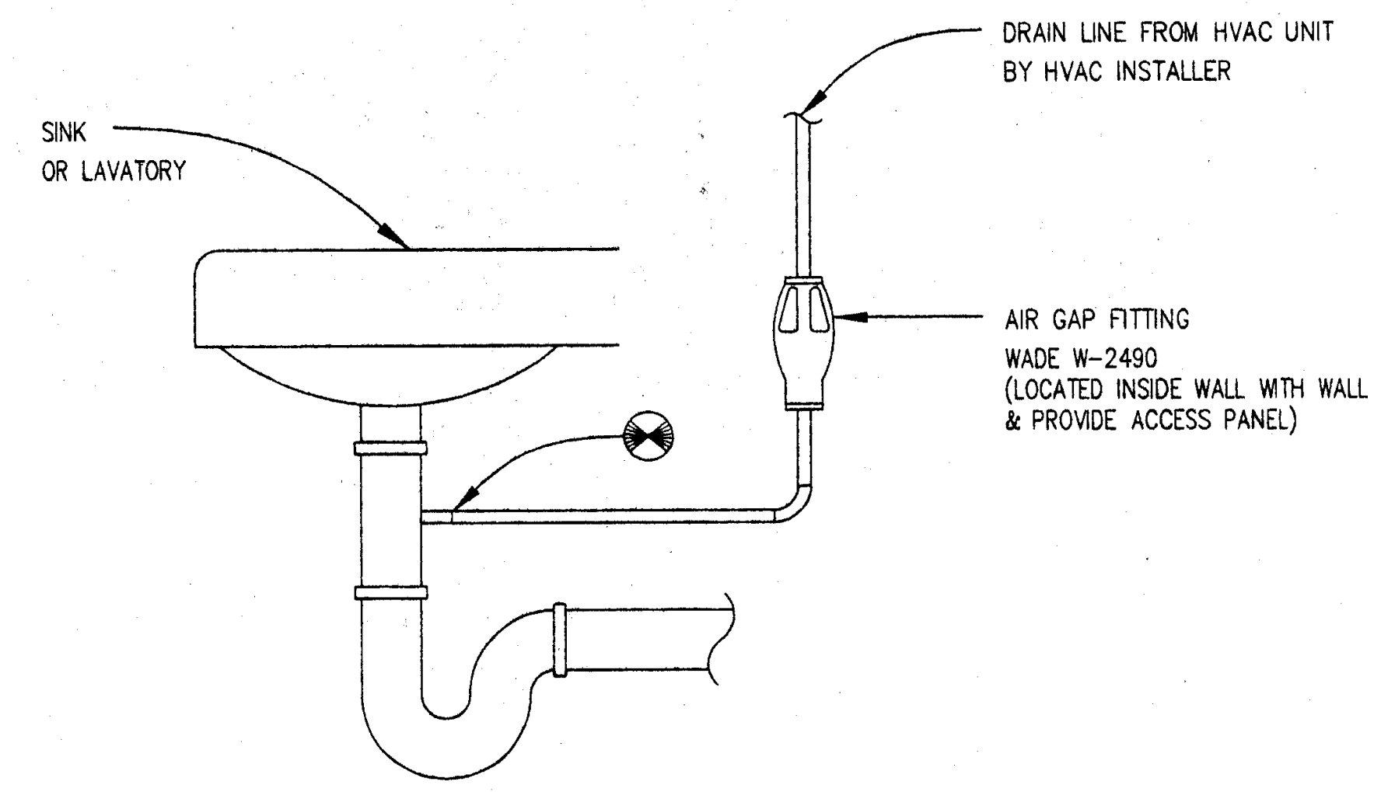
DILUTION TRAP DRAIN CONNECTION TO FIXTURE

SCALE NOT TO SCALE 7



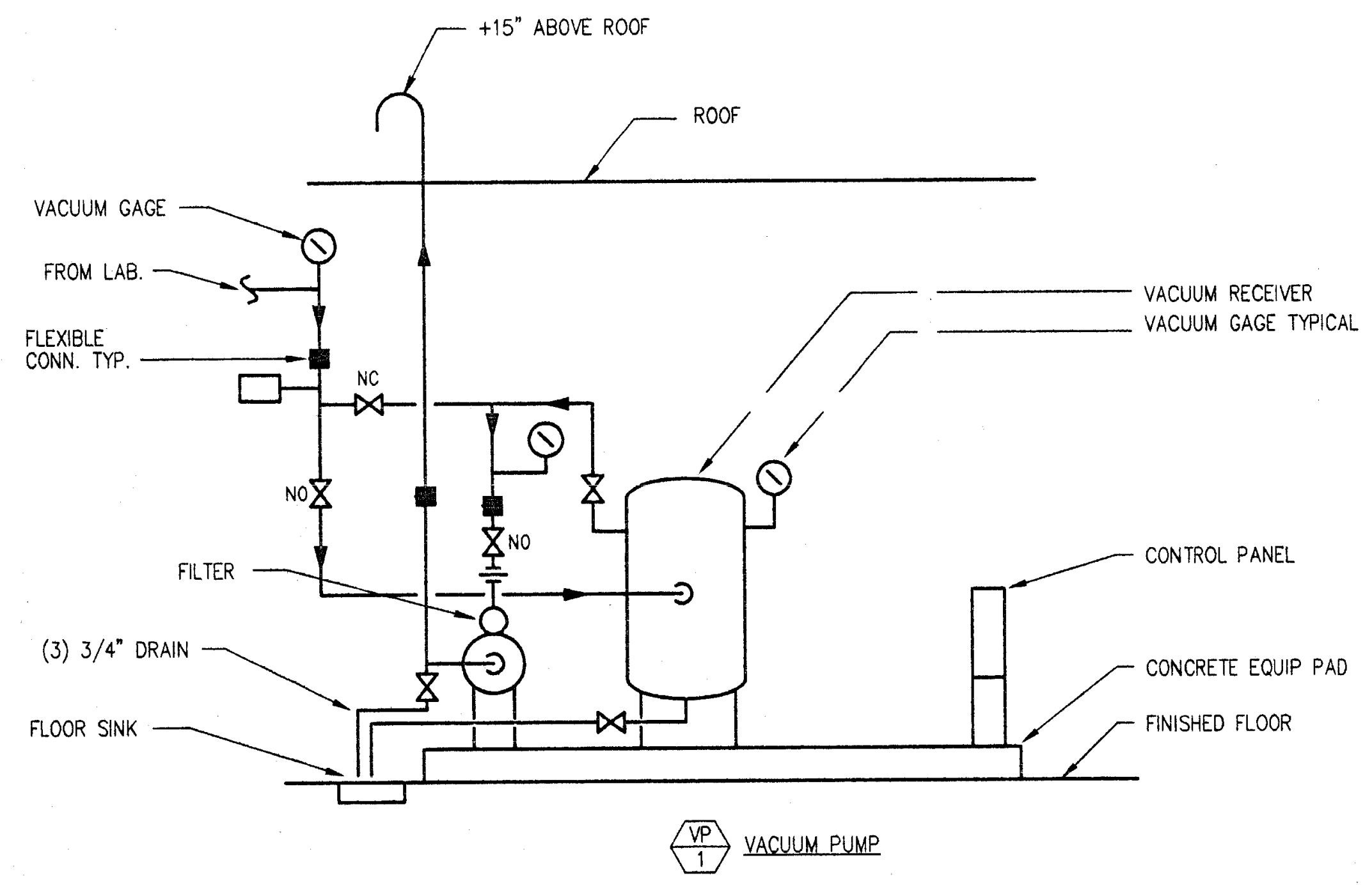
ISLAND VENT DETAILS

SCALE NOT TO SCALE 4



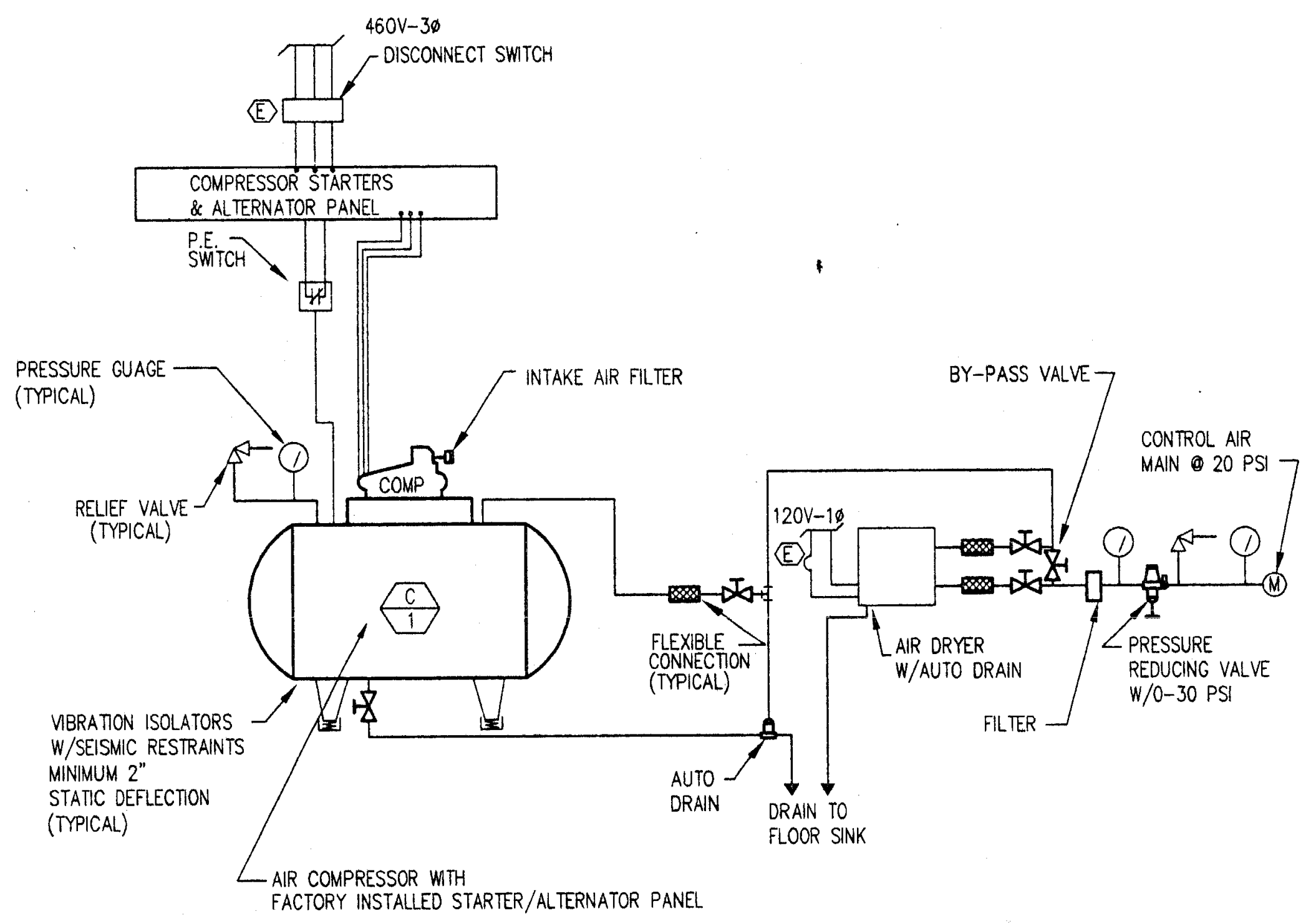
CONDENSATE DRAIN CONNECTION TO FIXTURE TAILPIECE

SCALE NOT TO SCALE 1



VACUUM PUMP

SCALE NOT TO SCALE 8

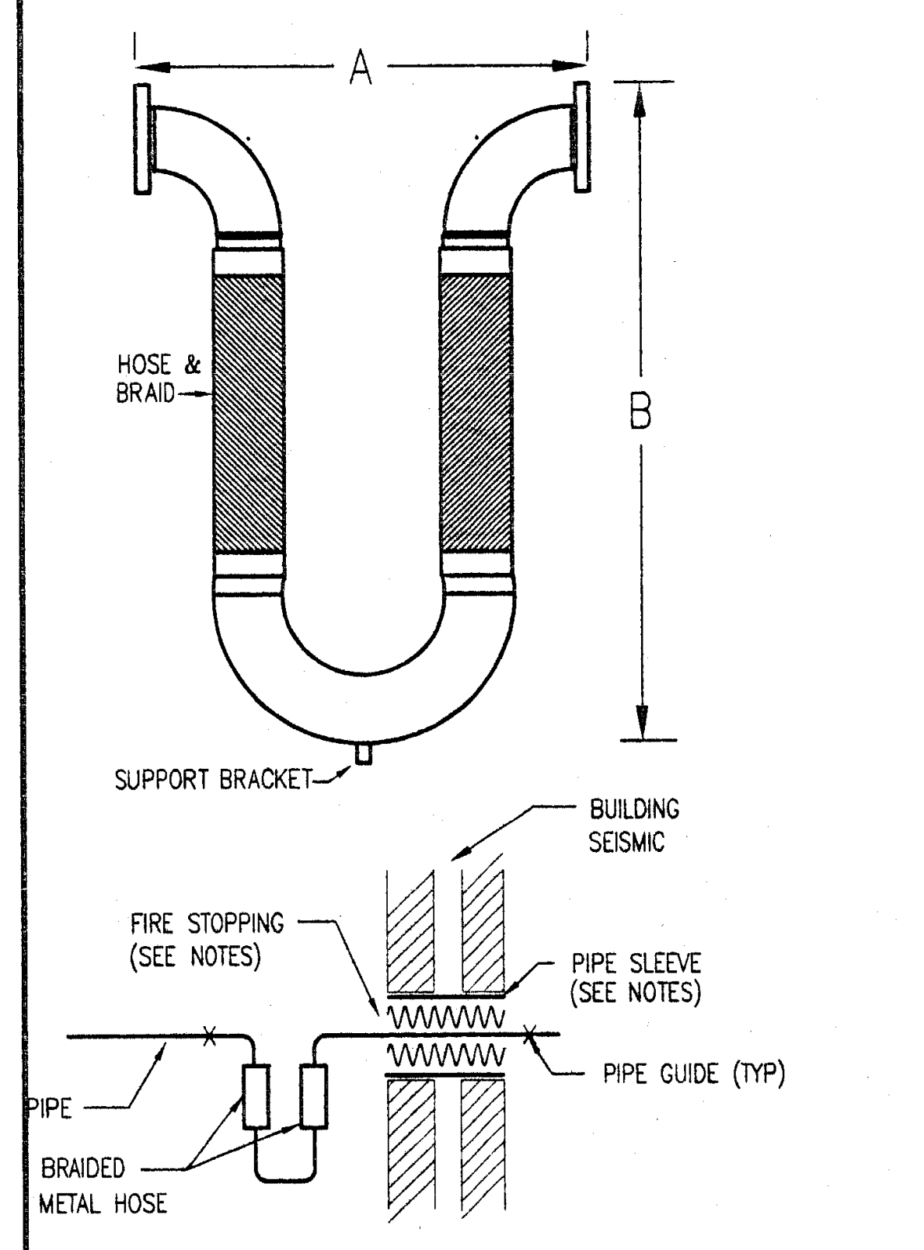


NOTES

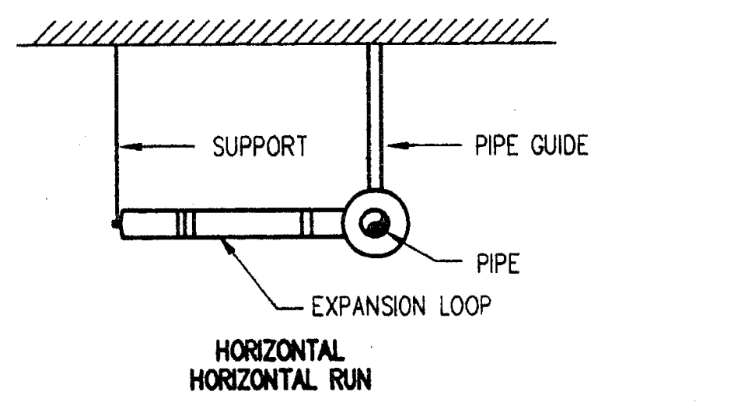
① VERIFY COMPRESSOR HORSEPOWER REQUIREMENTS AND COMPRESSOR TANK SIZE. TOTAL RUN TIME NOT TO EXCEED 33%, STARTS PER HOUR NOT TO EXCEED 11.

AIR COMPRESSOR

SCALE NOT TO SCALE 5



	SIZE (IN)	MOVEMENT (IN)	A (IN)	B (IN)	PSI @70°F	SPRING FORCE (LBS)	WEIGHT (LBS)
STAINLESS STEEL HOSE & BRAID WITH THREADED OR WELD ENDS	1/2	±1.5 : ±3	10 1/2	13 : 15	1304	45	2.0
	3/4	±1.5 : ±3	9	15 : 18	880	47	2.5
	1	±1.5 : ±3	10 1/2	16 : 19	605	53	3.5
	1 1/4	±1.5 : ±3	12	17 : 20	572	66	5.0
	1 1/2	±1.5 : ±3	13 1/2	18 : 22	527	70	7.0
	2	±1.5 : ±3	17	22 : 25	455	78	11.5
	SUBTRACT 2 IN. FROM ABOVE "B" FOR WELD END METRALOOPS						
BRONZE HOSE & BRAID WITH COPPER SWEAT ENDS	3/4	±1.5 : ±3	5 5/8	15 : 17	370	47	2.0
	1	±1.5 : ±3	7	16 : 18	250	53	2.5
	1 1/4	±1.5 : ±3	7 7/8	17 : 20	200	66	3.5
	1 1/2	±1.5 : ±3	9 1/4	19 : 22	190	70	4.0
	2	±1.5 : ±3	11 3/4	23 : 26	170	78	9.0
	2 1/2	±1.5 : ±3	13 1/2	24 : 27	145	83	12.0
	3	±1.5 : ±3	15	27 : 30	125	90	18.0
STAINLESS STEEL HOSE & BRAID WITH #150 FLANGED, WELD OR GROOVED ENDS	2	±1.5 : ±3	14	20 : 23	455	78	11.5
	2 1/2	±1.5 : ±3	16	22 : 25	345	83	21.5
	3	±1.5 : ±3	19	25 : 28	289	90	30.5
	4	±1.5 : ±3	25	30 : 33	300	120	66.5
	5	±1.5 : ±3	31	34 : 38	220	186	76.0
	6	±1.5 : ±3	37	40 : 43	200	202	118.5
	8	±1.5 : ±3	49	50 : 55	190	260	225.0
	10	±1.5 : ±3	61	59 : 64	165	283	394.0
	12	±1.5 : ±3	73	67 : 72	125	310	545.0
	SUBTRACT 1 IN. FROM ABOVE "B" FOR WELD END METRALOOPS						

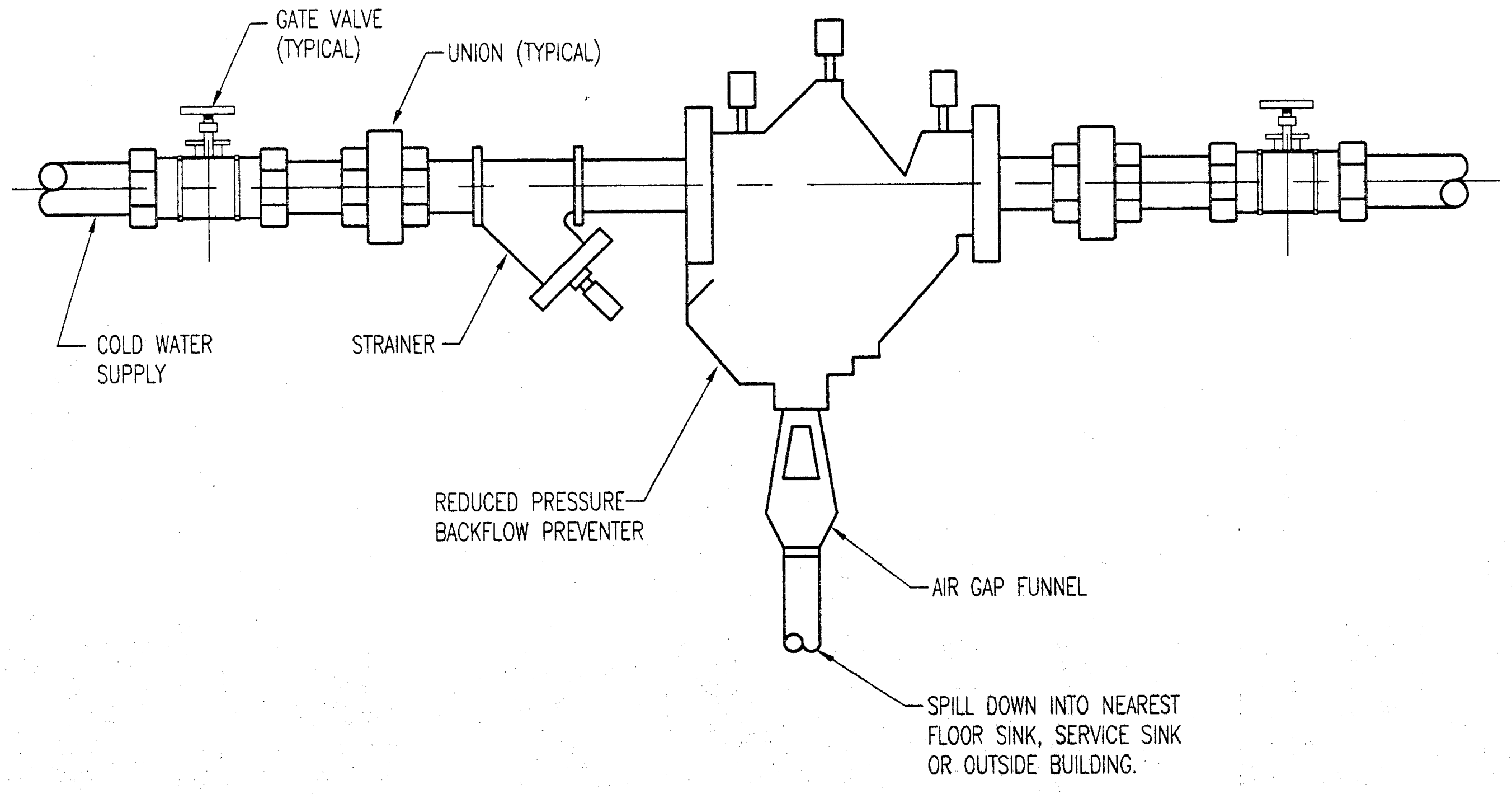


NOTES:

1. SLEEVE INSIDE DIAMETER SHALL BE PIPE OUTSIDE DIAMETER (OUTSIDE DIAMETER OF INSULATION FOR INSULATED PIPE) +6". SMALLER SIZES ARE PERMITTED IF APPROVED BY STRUCTURAL ENGINEER.
2. FIRE STOPPING BETWEEN PIPE AND SLEEVE SHALL BE OF MATERIALS WHICH WILL COLLAPSE TO PROVIDE PIPE FREE MOVEMENT DURING AN EARTHQUAKE.

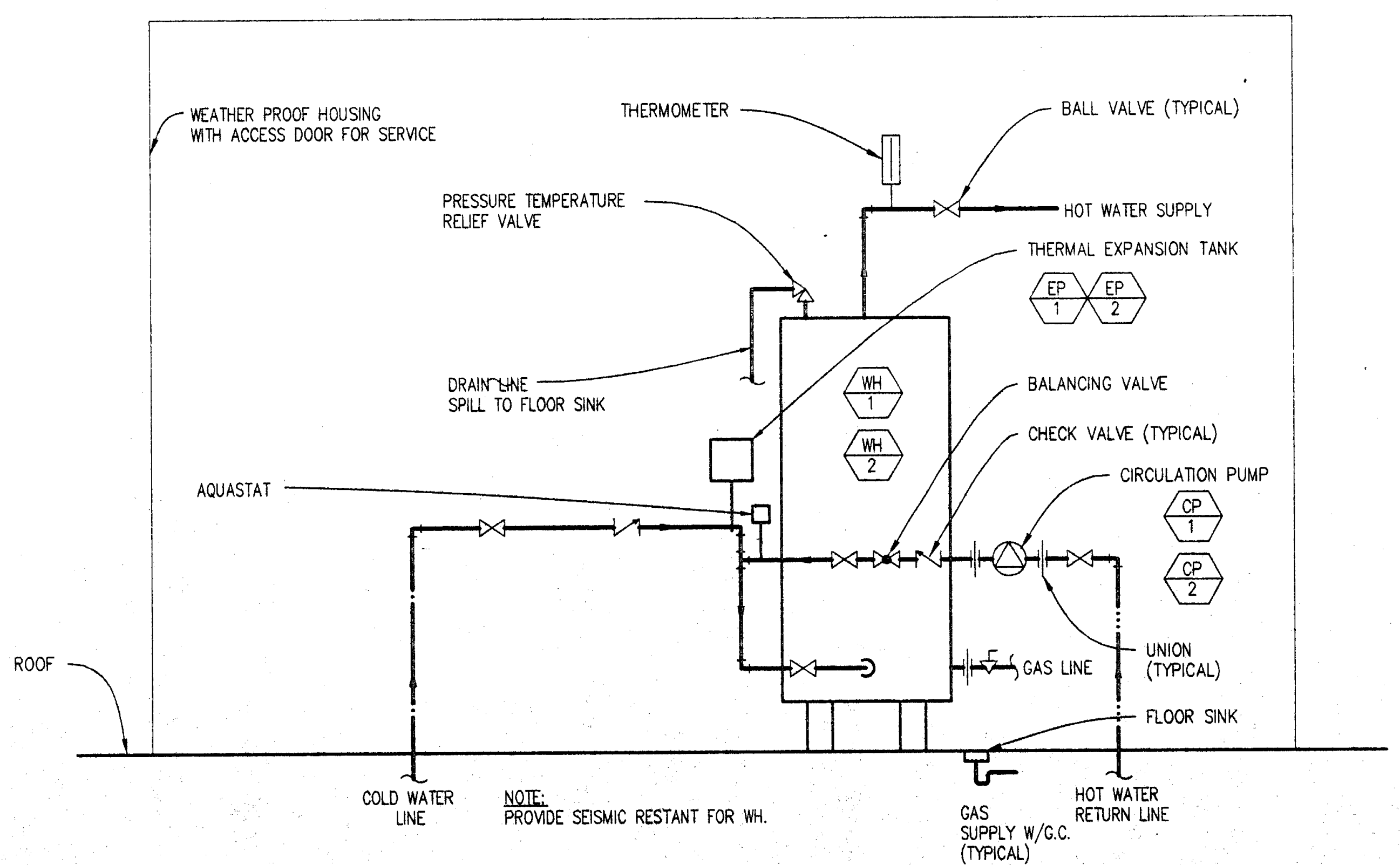
PIPE THRU SEISMIC SEPARATION

SCALE NOT TO SCALE 2



REDUCED PRESSURE BACKFLOW PREVENTOR

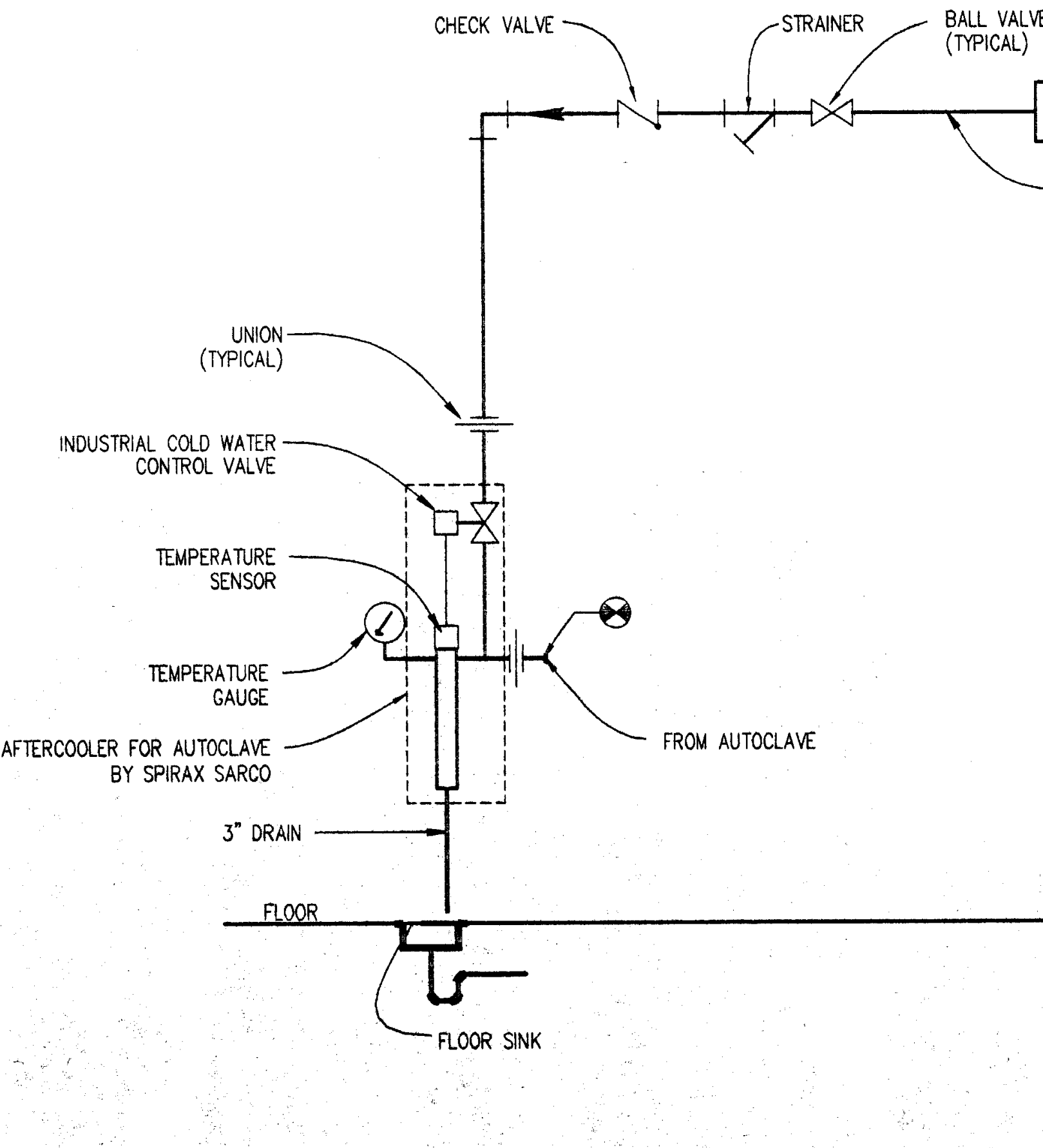
SCALE NOT TO SCALE 9



NOTE:
PROVIDE SEISMIC RESTANT FOR WH.

TYPICAL WATER HEATER

SCALE NOT TO SCALE 6



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AUTOCLAVE DRAIN

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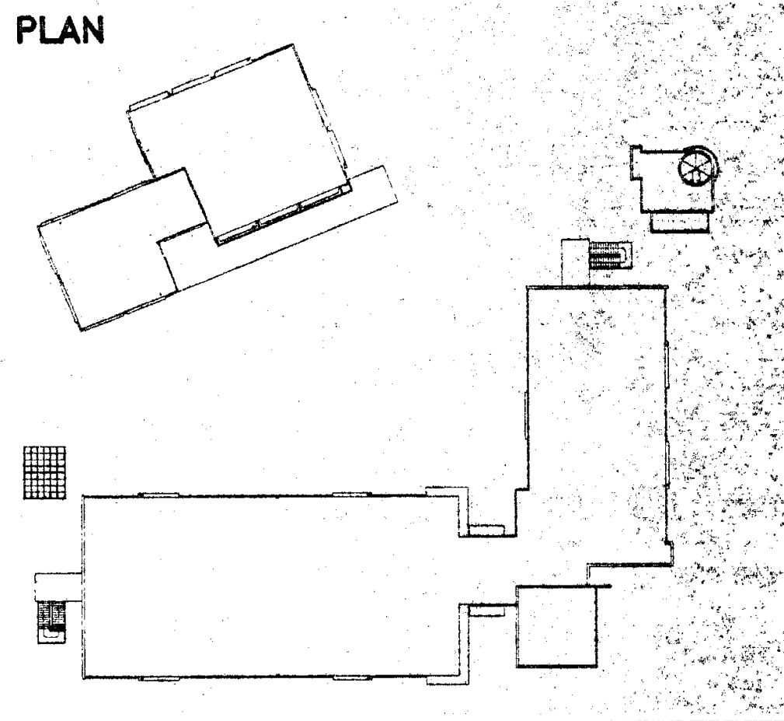
KEY PLAN



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PROJECT
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SHEET TITLE
DETAILS

FILE:
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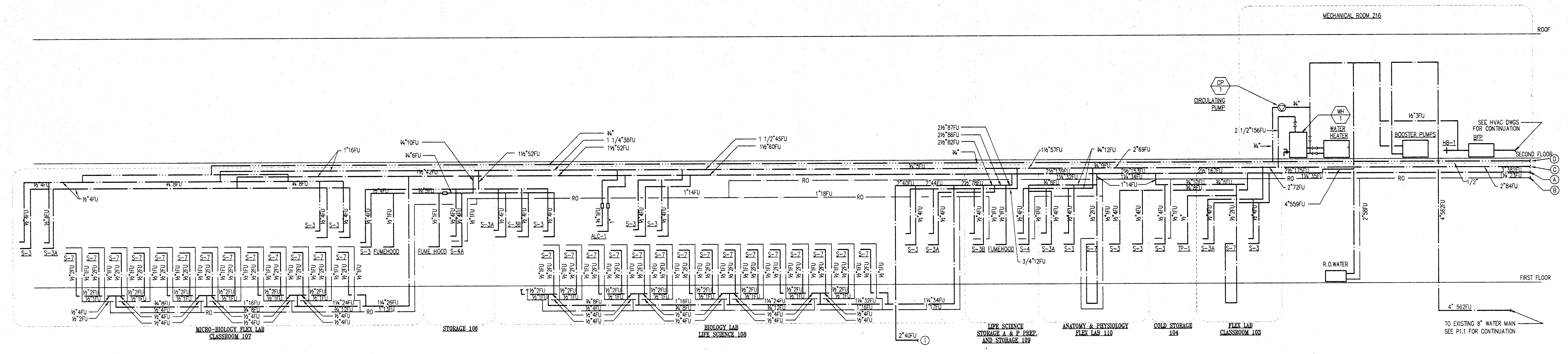
JOB NO.
DATE

SHEET NO.
P4.1
OF 16 SHEETS

97120P41 09.17.97



WATER RISER

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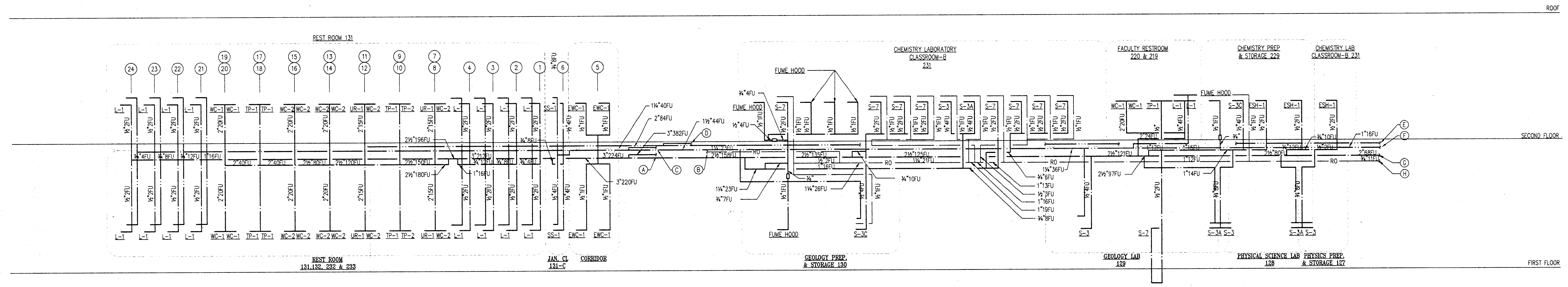
R-WATER
1



WATER RISER

SCALE
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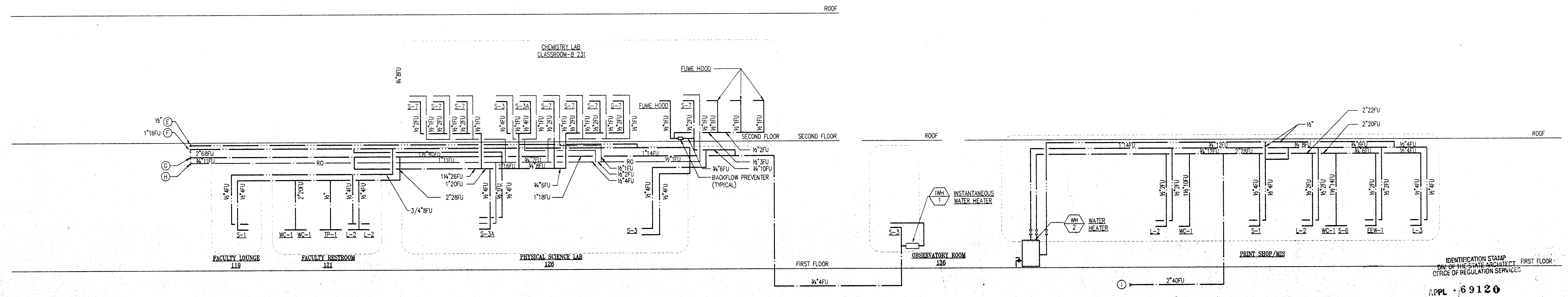
R-WATER
2



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WATER RISER

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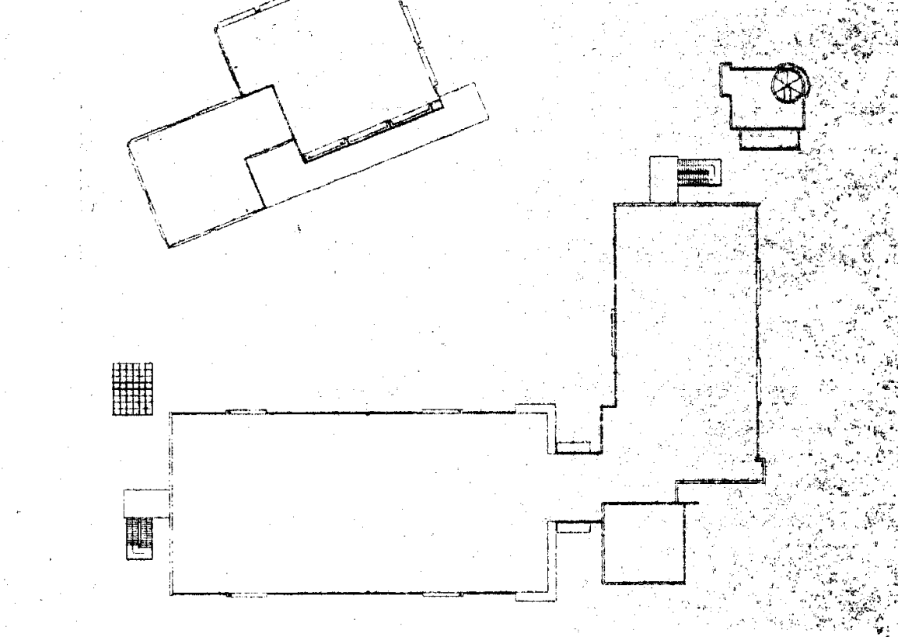

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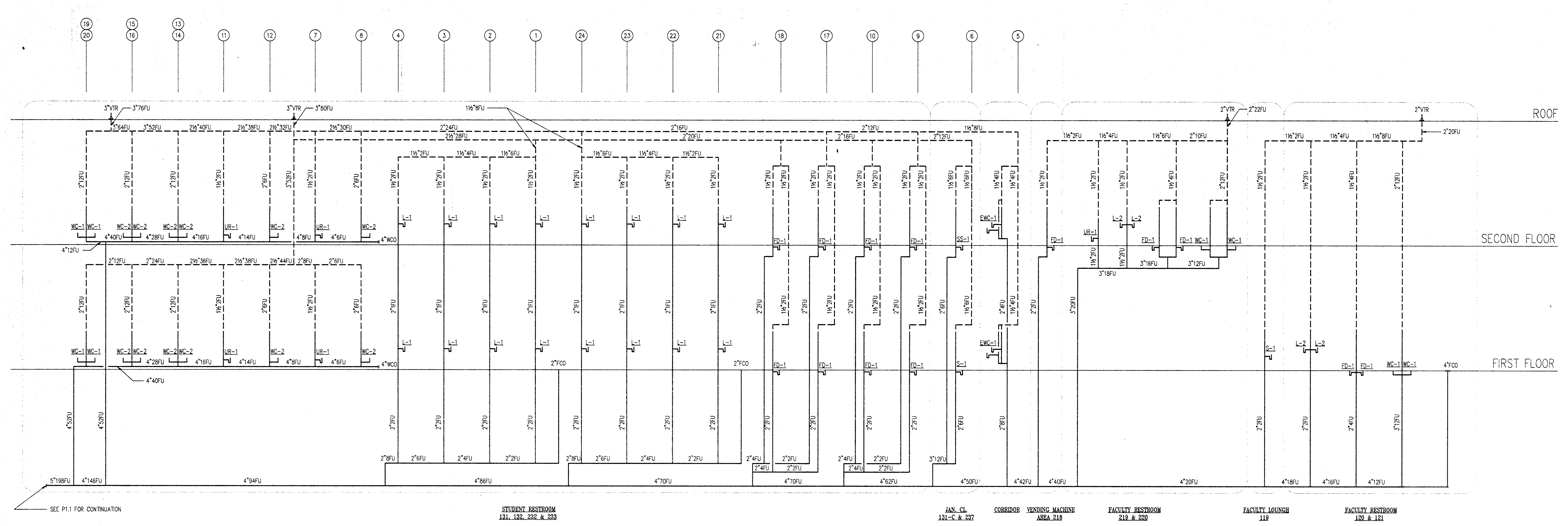
WATER RISER

FILE:	SHEET NO.
SCALE NOT TO SCALE	P4.2
JOB NO.	
DATE	OF 16 SHEETS

97120P42 01.05.98



WASTE RISER

SCALE
NOT TO SCALE

R-WASTE
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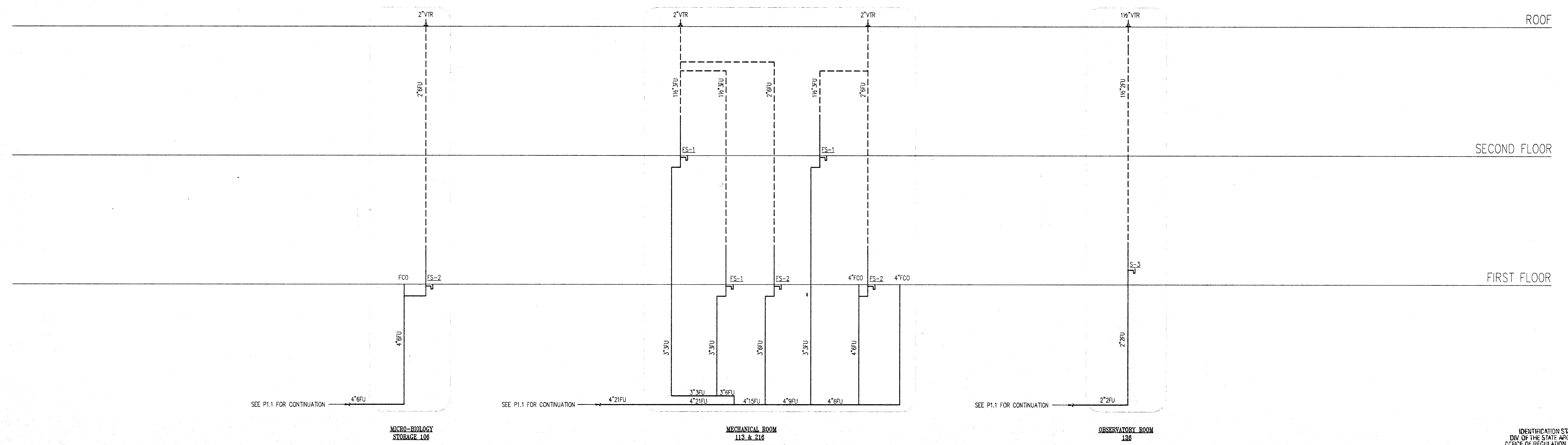

WASTE RISER

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R-WASTE
2

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SHEET TITLE

WASTE RISER

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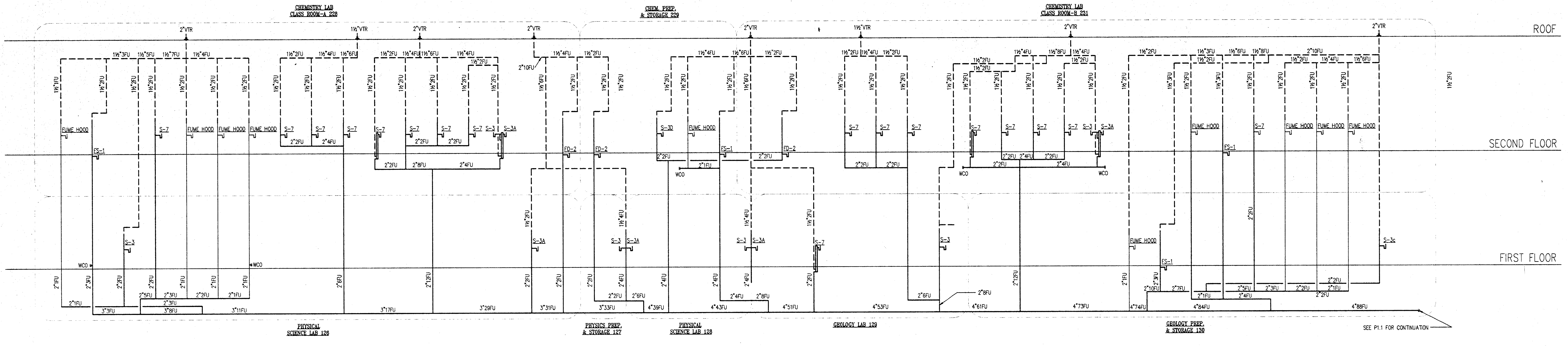
DATE

SHEET NO.
P4.3
OF 16 SHEETS

9712OP43 01.05.98



WASTE RISER

R-AW2FLR
SCALE
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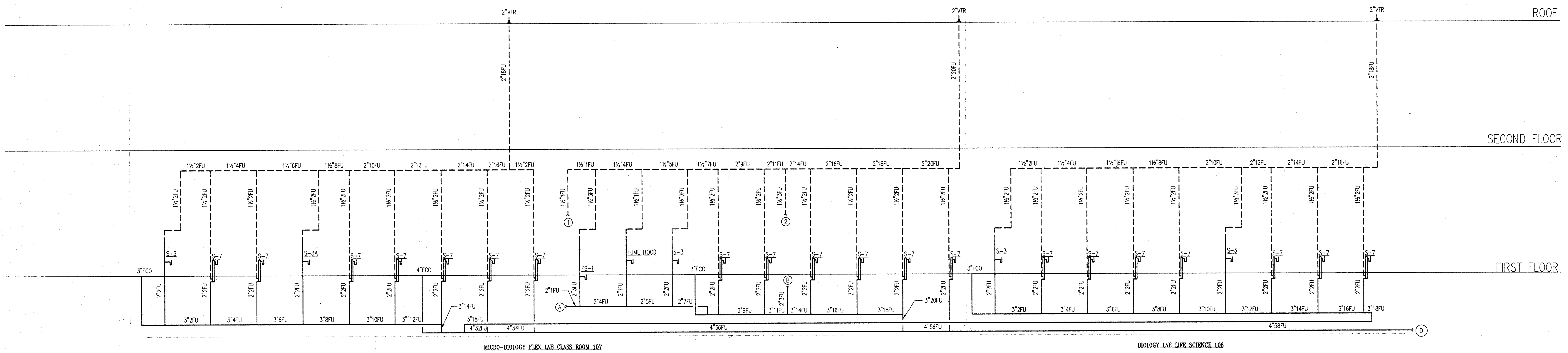

WASTE RISER

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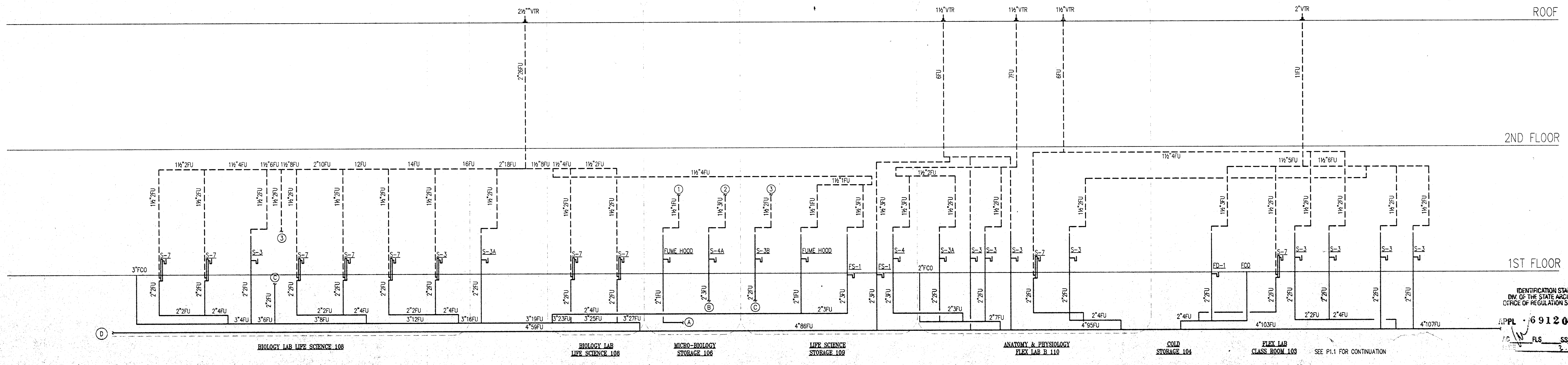

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WASTE RISER

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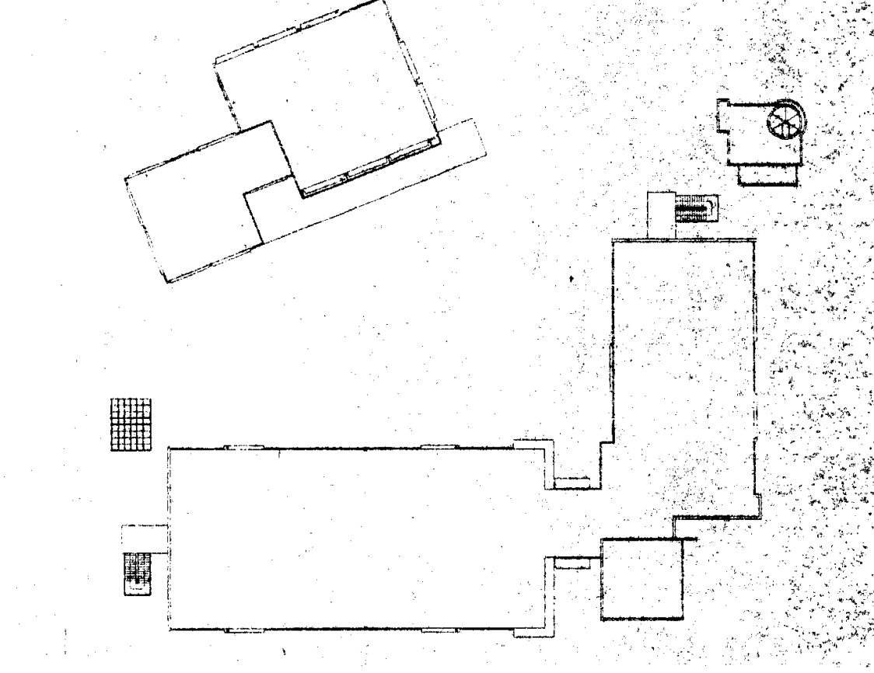

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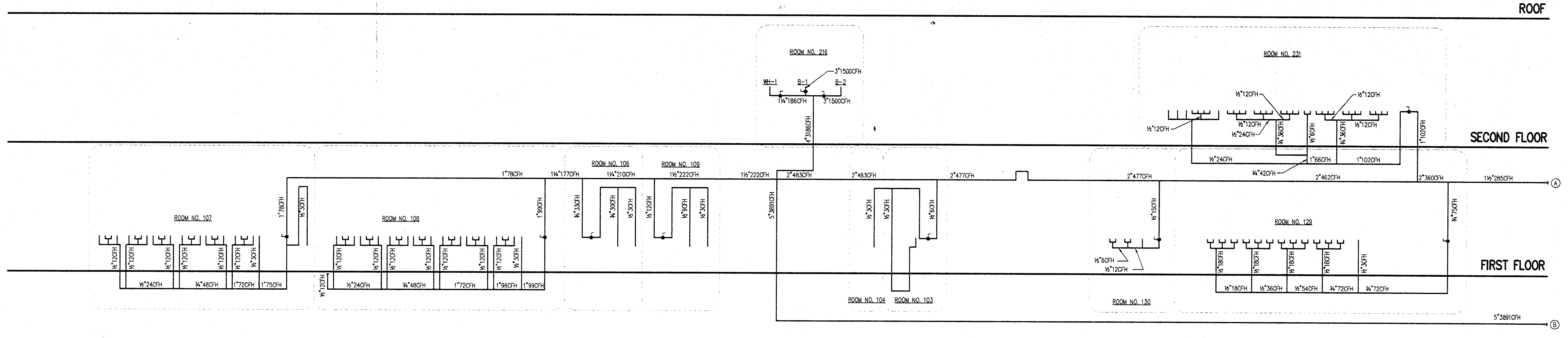
P4.4
OF 16 SHEETS

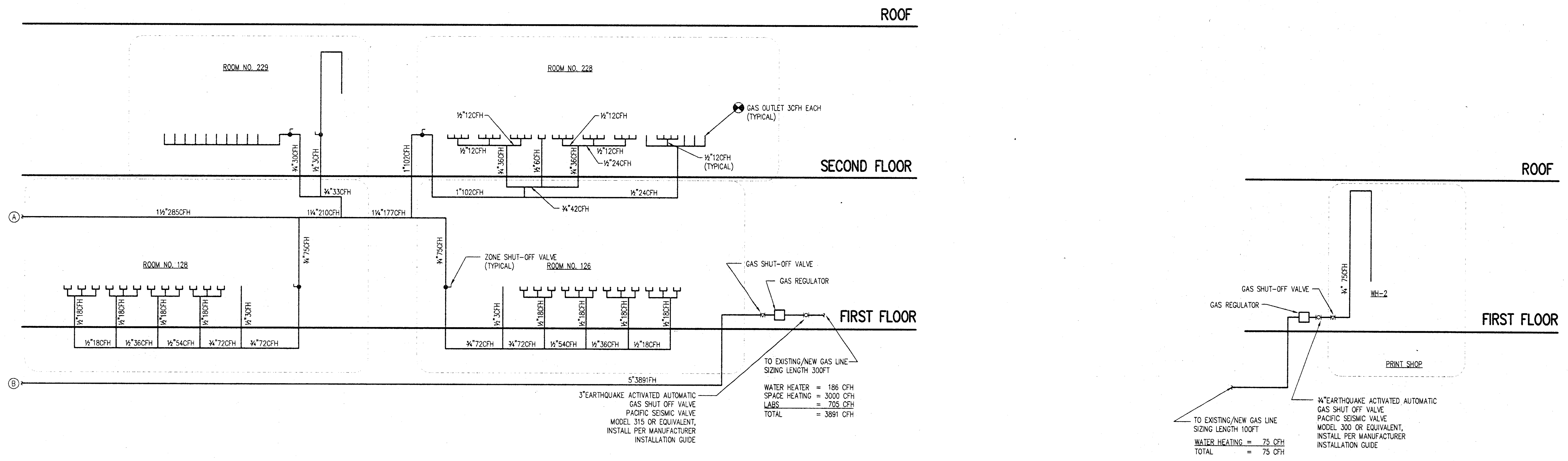
97120P44 01.05.98



R-GAS

GAS RISER

SCALE
NOT TO SCALE
①



3"EARTHQUAKE ACTIVATED AUTOMATIC
GAS SHUT OFF VALVE
PACIFIC SEISMIC VALVE
MODEL 315 OR EQUIVALENT,
INSTALL PER MANUFACTURER
INSTALLATION GUIDE

TO EXISTING/NEW GAS LINE
SIZING LENGTH 300FT

WATER HEATER = 186 CFH
SPACE HEATING = 3000 CFH
LABS = 705 CFH
TOTAL = 3891 CFH

TO EXISTING/NEW GAS LINE
SIZING LENGTH 100FT

WATER HEATING = 75 CFH
TOTAL = 75 CFH

¾"EARTHQUAKE ACTIVATED AUTOMATIC
GAS SHUT OFF VALVE
PACIFIC SEISMIC VALVE
MODEL 300 OR EQUIVALENT,
INSTALL PER MANUFACTURER
INSTALLATION GUIDE

R-GAS

GAS RISER

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②

SCALE
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③

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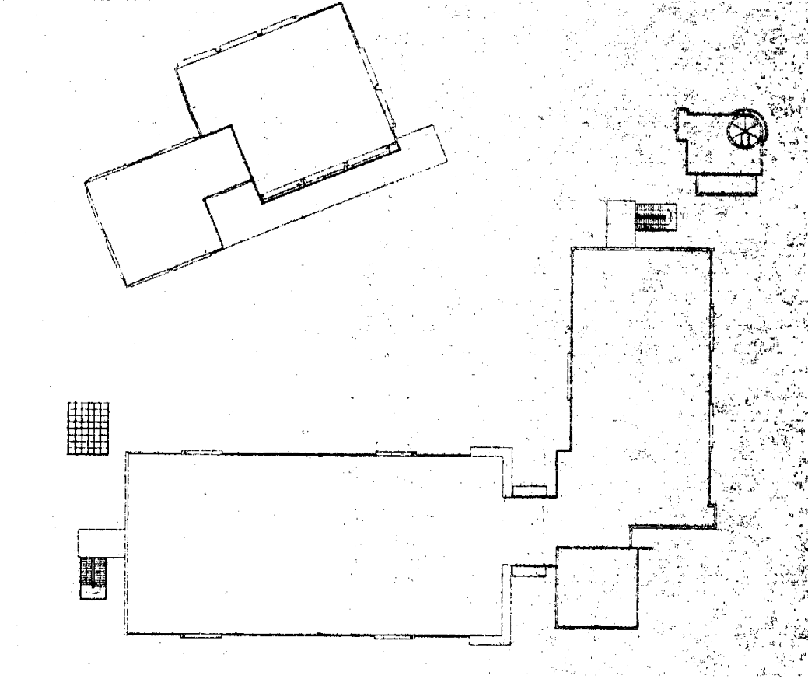

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GAS RISER

FILE:
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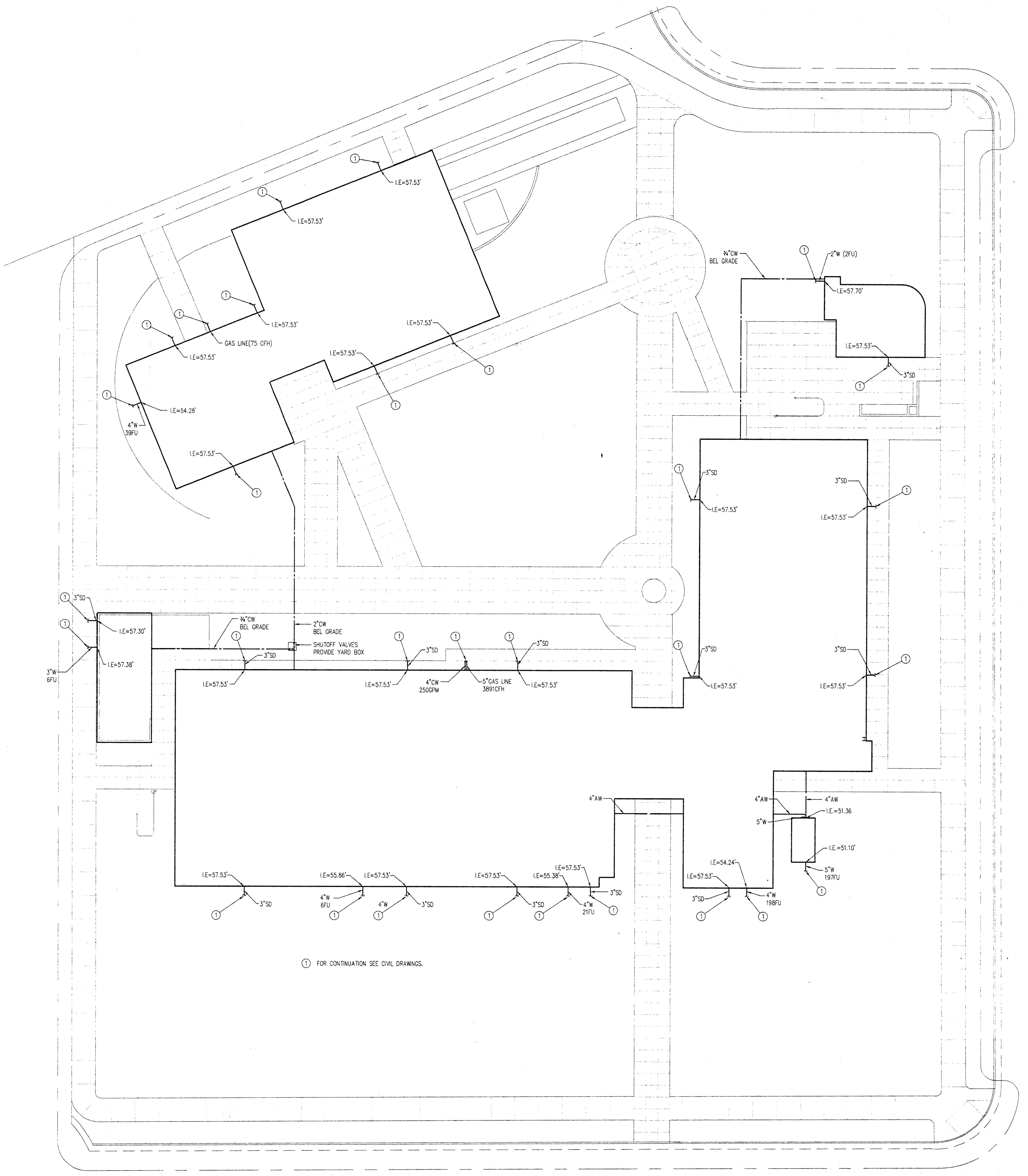
P4.5
OF 16 SHEETS



① FOR CONTINUATION SEE CIVIL DRAWINGS.

① SITE PLAN
1/16" = 1'-0"

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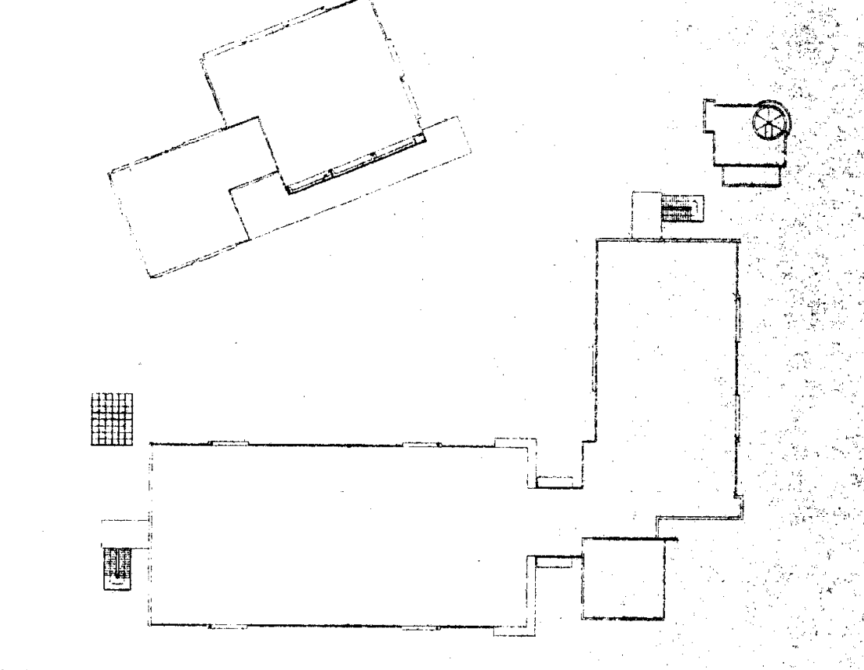

NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

SITE PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ___ FLS ___ SS ___
3-20-98

FILE:
SCALE 1/16" = 1'-0"
JOB NO.
DATE

SHEET NO.
P1.1
OF ____ SHEETS

GENERAL

1. THE PROJECT SPECIFICATIONS FORM A PART OF THESE GENERAL NOTES.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.

3. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.

4. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NOTES AND DETAILS ON DRAWINGS AND THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE PROJECT SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED AS SHOWN FOR SIMILAR WORK.

5. ALL WORK SHALL CONFORM TO THE STANDARDS OF THE FOLLOWING CODE:

   TITLE 24, PART 1 AND PART 2, CALIFORNIA BUILDING CODE 1995 EDITION
   AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THE CONTRACT DOCUMENTS.

6. MANUFACTURED MATERIALS SHALL BE APPROVED BY THE CHECKING AGENCY PRIOR TO THEIR USE. ALL REQUIREMENTS OF THOSE APPROVALS SHALL BE FOLLOWED.

7. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
   - A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS.
   - B. SIZE AND LOCATION OF ALL NON-BEARING PARTITIONS.
   - C. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
   - D. EXTERIOR WALL SYSTEM.
   - E. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS.
   - F. STAIR FRAMING AND DETAILS.
   - G. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.

8. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
   - A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL, ROOF AND FLOOR OPENINGS, ETC., NOT SHOWN OR NOTED.
   - B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
   - C. ANCHORAGE AND BRACING FOR ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT TO THE STRUCTURE.
   - D. ANCHOR BOLTS FOR MOTOR MOUNTS.
   - E. SIZE, WEIGHT, AND LOCATION OF MACHINES AND EQUIPMENT BASES.

9. MECHANICAL AND ELECTRICAL LOADS MAY BE SUPPORTED FROM BEAMS. LIGHT MECHANICAL AND ELECTRICAL LOADS ANCHORED INTO METAL DECK ASSEMBLY MUST BE ANCHORED INTO STRUCTURAL CONCRETE ABOVE. SEE STEEL DECKING NOTES IF NO CONCRETE IS USED.

10. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

11. OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6 INCHES NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.

12. SPECIFICATIONS, CODES AND STANDARDS NOTED IN THE CONTRACT DOCUMENTS SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS OTHERWISE NOTED. MATERIAL SPECIFICATIONS ARE ASTM LATEST EDITION.

13. THE CONTRACTOR SHALL INVESTIGATE SITE FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.

14. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOFS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH OR WHERE OVERLOAD IS ANTICIPATED.

15. DESIGN LIVE LOADS:

AREA	DESIGN LIVE LOAD	REMARKS
ROOF	20 PSF	REDUCIBLE
FLOOR	50 PSF	REDUCIBLE
CORRIDORS AND EXIT FACILITIES	100 PSF	UNREDUCIBLE

16. THE LATERAL SYSTEM OF THE STRUCTURE IS DESIGNED WITH LATERAL RESTRAINT AT THE GROUND FLOOR. STRUCTURAL FRAMES ARE NOT LATERALLY SELF SUPPORTING UNTIL THE ENTIRE DESIGN LATERAL RESTRAINT FLOOR AND STRUCTURAL WALLS BELOW ARE IN PLACE.

17. CODE LEVEL DESIGN LATERAL LOAD CRITERIA

WIND: ZONE = 70 MPH EXPOSURE = C I = 1.0
SEISMIC: ZONE = 4 SITE SOIL TYPE S2 = 1.2 RW = 6
I=1.15 (TWO STORY BUILDINGS), I=1.0 (ONE STORY BUILDINGS)

DEMOLITION

1. ALL DEMOLITION SHALL BE CARRIED ON IN SUCH A WAY AS NOT TO DAMAGE EXISTING ELEMENTS WHICH ARE TO BE IN THE FINISHED BUILDING.

2. ALL ELEMENTS OF THE STRUCTURE WHICH ARE TO REMAIN AND WHICH ARE DAMAGED DURING DEMOLITION WORK SHALL BE REPLACED AT NO ADDED COST. EXISTING ELEMENTS SHALL BE PROTECTED TO THE FULLEST EXTENT POSSIBLE TO REDUCE SUCH DAMAGE TO A MINIMUM.

SPECIAL INSPECTION

1. SPECIAL INSPECTION BY A REGISTERED DEPUTY BUILDING INSPECTOR, APPROVED BY THE ARCHITECT AND DSA, SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK. SEE PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.

   CONCRETE

   PLACING OF REINFORCING STEEL

   WELDING

   BRACED FRAME AND DRAG CONNECTIONS.
   STRUCTURAL STEEL OR REINFORCING.
   STEEL DECKING.
   SHEAR CONNECTORS.
   ANCHOR STUDS.

   HIGH STRENGTH BOLTING

   STRUCTURAL MASONRY

   EXPANSION TYPE ANCHOR BOLTS

   COMPACTED FILL

   VENEER

2. EXPANSION TYPE ANCHORS SHALL BE APPROVED BY DSA FOR THEIR USE; AND, SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

3. PROOF TESTING OF EXPANSION ANCHORS IN CONCRETE AS FOLLOWS:

   ALL EXPANSION ANCHORS (LOADED IN EITHER PULLOUT OR SHEAR) SHALL HAVE 50 PERCENT OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) PROOF TESTED IN TENSION. IF THERE ARE ANY FAILURES, THE ADJACENT BOLTS MUST THEN ALSO BE TESTED. ALL TESTS ARE TO BE MADE AT LEAST 24 HOURS AFTER INSTALLATION OF ANCHORS.

TYPE OF TEST	BOLT DIAMETER			
(HARDROCK OR LIGHTWEIGHT CONC.) DIRECT PULL TENSION (POUNDS)	3/8"	1/2"	5/8"	3/4"
WEDGE ANCHOR	1100	2000	2300	3700
TORQUE WRENCH - TORQUE, FT. LBS. (TEST TORQUE MUST BE REACHED WITHIN 1/2 TURN OF THE NUT TYPICALLY; 1/4 TURN OF THE NUT FOR 3/8" ANCHORS)				
WEDGE ANCHOR	25	50	80	150
SLEEVE ANCHOR	10	20	45	90

FOUNDATION

1. FOUNDATION DESIGN BASED ON SOIL REPORT BY THE FOLLOWING COMPANY: CONVERSE CONSULTANTS, ORANGE COUNTY DATED 7/25/97 AND ALL SUBSEQUENT ADDENDA. COPIES ARE AVAILABLE FOR REVIEW AT THE ARCHITECT'S OFFICE.

2. FOOTING DESIGN BASED ON ALLOWABLE SOIL PRESSURE OF 2500 PSF. BOTTOM OF FOOTINGS TO BE A MINIMUM OF 24 INCHES BELOW LOWEST ADJACENT FINISHED FLOOR OR GRADE. SEE 27/S-1.4 FOR LIMITS OF COMPACTION.

3. CONTRACTOR TO PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE.

4. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS.

5. EXCAVATION AND COMPACTING IF REQUIRED, SHALL BE APPROVED BY THE GOVERNING AGENCY AND THE GEOTECHINICAL ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. GEOTECHINICAL ENGINEER TO SUBMIT LETTER OF COMPLIANCE TO OWNER.

6. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE WALLS HAVE ATTAINED FULL DESIGN STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS AND INSTALLATION OF SUCH BRACING.

7. FOOTINGS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE GEOTECHINICAL ENGINEER, FOOTING ELEVATIONS WILL BE ALTERED AS REQUIRED.

8. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS, IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. FLOODING WILL NOT BE PERMITTED.

9. ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.

10. ALL EARTHWORK SHALL BE DONE IN ACCORDANCE WITH SOILS REPORT RECOMMENDATIONS.

CONCRETE

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE', ACI 318, WITH MODIFICATIONS AS NOTED IN THE CONTRACT DOCUMENTS.

2. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTHS & TYPES:

LOCATION IN STRUCTURE	STRENGTH PSI	TYPE
FOUNDATIONS (UNO)	3000	HARDROCK
BRACED FRAME FOUNDATIONS	4000	HARDROCK
CONCRETE OVER METAL DECK	3000	HARDROCK
SLAB-ON-GRADE	4000	HARDROCK

3. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR TYPE II, LOW ALKALI.

4. AGGREGATE FOR HARDROCK CONCRETE - C-33. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.

5. FORMS FOR CONCRETE SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE THE SPECIFIED CAMBERS SHOWN ON THE DRAWINGS.

6. THE CONTRACTOR SHALL MAINTAIN A LOG OF STRUCTURAL SLAB ELEVATIONS BASED ON THE ARCHITECTURAL DRAWINGS PLUS THE ADDITION OF ANY CAMBERS INDICATED ON THE CONSTRUCTION DOCUMENTS. THIS LOG SHALL INDICATE SCREED ELEVATIONS PRIOR TO THE CONCRETE POUR, AND TOP OF CONCRETE SLAB PRIOR TO REMOVAL OF FORMS.

7. THE CONCRETE SLAB THICKNESS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN.

8. DRY PACK OR NON SHRINK GROUT UNDER BASEPLATES, SILL PLATES, ETC., SEE CONTRACT DOCUMENTS.

9. CONCRETE MIXING OPERATION, ETC., SHALL CONFORM TO C-94.

10. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 304 AND CONTRACT DOCUMENTS. SANDBLAST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.

11. IF COLUMNS AND WALLS ARE PLACED WITH FLOOR, TWO HOURS MUST ELAPSE BETWEEN END OF COLUMN OR WALL POUR AND BEGINNING OF FLOOR POUR.

12. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT PLACED IN CAST-IN-PLACE CONCRETE:

MINIMUM COVER, INCHES

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.................................3
B. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 THROUGH # 18 BARS...................2
   #5 BAR, W31 OR D31 WIRE, AND SMALLER..1 1/2
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
   SLABS, WALLS AND JOISTS:
   #11 BAR AND SMALLER...................1

   BEAMS, COLUMNS AND WALL JAMBS PRIMARY REINFORCEMENT, TIES, STIRRUPS, AND SPIRALS:
   #3 THROUGH #11.......................1 1/2

13. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.

14. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.

15. CONDUIT OR PIPE SIZE (O.D.) SHALL NOT EXCEED ONE THIRD OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.

16. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4 IN. CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.

17. CURING COMPOUNDS USED ON CONCRETE TO RECEIVE A FINISH SHALL BE APPROVED BY THE FINISH APPLICATOR BEFORE USE.

MASONRY (CONCRETE BLOCK)

1. CONCRETE BLOCK SHALL BE HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO C90 GRADE N, MEDIUM WEIGHT. USE UNITS OPEN ONE END, AND BOND BEAM UNITS AT HORIZONTAL REINFORCING.

2. CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.

3. MORTAR MIX SHALL CONFORM TO REQUIREMENTS FOR TYPE S AND PROJECT SPECIFICATIONS. MORTAR SHALL ATTAIN A COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS. ADMIXTURE SHALL BE SIKA RED LABEL.

4. GROUT SHALL CONFORM TO REQUIREMENTS FOR COARSE GROUT. GROUT SHALL ATTAIN A COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS. ADMIXTURE SHALL BE SIKA GROUT AID.

5. ADMIXTURES SHALL BE ADDED TO MORTAR OR GROUT RESPECTIVELY PER MANUFACTURER'S RECOMMENDATIONS.

6. PROVIDE A MINIMUM OF ONE BAR DIAMETER (1 INCH MINIMUM) GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.

7. LOW-LIFT CONSTRUCTION; MAXIMUM GROUT POUR HEIGHT IS TWO FEET.

8. HIGH-LIFT GROUTED CONSTRUCTION MAY BE USED IN CONFORMANCE WITH CHAPTER 21, TITLE 24, CCR.

9. ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT,

10. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORES CONTAINING REINFORCING STEEL.

11. REFER TO ARCHITECTURAL DRAWING FOR SURFACE AND HEIGHT OF UNITS,

12. MININUM ULTIMATE COMPRESSIVE STRENGTH OF COMPLETED MASONRY WALL IS 1500 PSI U.N.O.

STRUCTURAL STEEL AND MISCELLANEOUS METAL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (LATEST EDITION AND SUPPLEMENTS).

3. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36; ASTM A572, GRADE 50 WHERE INDICATED ON DRAWINGS.

4. PIPE COLUMNS - ASTM A53, GRADE 'B'.

5. STEEL TUBES - ASTM A500, GRADE 'B' (FY = 46000 PSI).

6. BOLTS - ASTM A307, EXCEPT AS NOTED.

7. HIGH STRENGTH BOLTS - ASTM A325 SLIP CRITICAL UNLESS NOTED OTHERWISE.

8. ANCHOR STUDS SHALL BE NELSON GRANULAR FLUX-FILLED HEADED ANCHOR STUDS OR AN APPROVED EQUAL AND BE MADE FROM C-1015 COLD ROLLED STEEL AND SHALL CONFORM TO A.S.T.M. SPECIFICATION A-108, GRADES 1015-1020 WITH A MINIMUM TENSILE STRENGTH OF 60,000 P.S.I. STUD WELDING INSPECTING AND TESTING SHALL CONFORM TO A.W.S. D1.1-90.

9. ANCHOR BOLTS - A36; A449 WHERE INDICATED ON DRAWINGS.

10. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS FOR ARCHITECT'S REVIEW BEFORE FABRICATION.

11. BOLT HOLES IN STEEL SHALL BE 1/16 INCH LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, UNLESS NOTED OTHERWISE.

12. ALL WELDS SHALL BE PREQUALIFIED IN CONFORMITY WITH THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1) OF THE AMERICAN WELDING SOCIETY. ELECTRODES TO BE E70 SERIES UNLESS NOTED OTHERWISE.

13. BUTT WELDS, COMPLETE PENETRATION OR PARTIAL PENETRATION ARE INDICATED AS C.P. OR P.P. RESPECTIVELY.

14. WELDING OF SHEET METAL AND METAL STUDS SHALL BE IN ACCORDANCE WITH AWS D1.3.

15. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WELD SIZE SHALL BE AISC MINIMUM UNLESS A LARGER SIZE IS NOTED.

16. WELDING TESTS AND INSPECTIONS - SEE SPECIFICATION.

17. CAMBER -
   - A. PROVIDE UPWARD CAMBER TO ALL MEMBERS SHOWN TO HAVE CAMBER. AMOUNT MEASURED IN THE FIELD PRIOR TO ERECTION SHALL NOT DEVIATE BY MORE THAN ALLOWED BY THE AISC SPECIFICATIONS. DO NOT CAMBER MEMBERS OCCURRING BELOW ELEVATOR ENTRANCE DOORS.
   - B. BEAMS DETAILED WITHOUT SPECIFIED CAMBER SHALL BE FABRICATED SO THAT AFTER ERECTION ANY MINOR CAMBER DUE TO ROLLING OR SHOP ASSEMBLY SHALL BE UPWARD. TOP OF ALL MEMBERS SHALL BE CLEARLY IDENTIFIED.

18. COMPOSITE STRUCTURAL STEEL BEAMS ARE DESIGNED IN ACCORDANCE WITH "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" OF THE AISC, NOT TO REQUIRE SHORING.

19. ALL STRUCTURAL STEEL SURFACES TO BE WELDED OR HIGH-STRENGTH BOLTED, TO BE ENCASED IN CONCRETE, TO RECEIVE SPRAY-APPLIED FIREPROOFING, OR TO BE ENCLOSED BY FINISH MATERIALS SHALL BE LEFT UNPAINTED.

20. ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.

21. FRAME WELDING SEQUENCE: LONGITUDINAL SHRINKAGE STRESSES DUE TO FIELD WELDING SHALL BE MINIMIZED BY MAKING WELDED CONNECTIONS STARTING AT THE MOST CENTRAL BEAM IN THE FRAMES AND PROGRESSING TOWARDS THE EXTERIOR COLUMNS. IN THIS MANNER, THE LONGITUDINAL SHORTENING CAN PULL THE UNRESTRAINED PORTION OF THE FRAME INWARDS WITHOUT CREATING EXCESSIVE SECONDARY TENSILE FORCES. IN ADDITION, ONE END OF EACH BEAM SHALL BE ALLOWED TO COOL BEFORE WELDING THE OTHER END. WELDED WEB CONNECTION SHALL BE MADE ONLY AFTER FLANGES HAVE BEEN WELDED. FINAL WELDING SEQUENCE IS TO BE SUBMITTED FOR APPROVAL TO THE STRUCTURAL ENGINEER OF RECORD AND DSA.

STEEL DECKING

1. THE STEEL DECKING SHALL BE OF TYPE AND GAUGE AS CALLED FOR ON DRAWINGS. DECKING AND ALL ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS HAVING A MINIMUM YIELD STRENGTH OF 33,000 PSI AND CONFORMING TO A-446. THE STEEL SHALL BE ZINC-COATED CONFORMING TO A525, CLASS G60. DECK UNITS SHALL BE CONTINUOUS OVER THREE OR MORE SPANS WHERE POSSIBLE.

2. MINIMUM BEARING OF DECKING ON SUPPORTS SHALL BE 2 INCHES. SHEETS SHALL BE ATTACHED TO ALL SUPPORTING STEEL MEMBERS BY WELDING AS INDICATED ON DRAWINGS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. UPON COMPLETION OF ERECTION, ALL WELDS IN EXPOSED DECK AREAS SHALL HAVE TOUCH-UP, DE-SLAG, CLEAN AND PRIME WITH A ZINC RICH PRIMER. DECK WELDING SHALL BE AS NOTED ON PLANS.

3. SEE DRAWINGS FOR DETAIL OF REINFORCING OF DECK OPENINGS. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL DRAWINGS, ETC., FOR SIZE AND LOCATION OF REQUIRED OPENINGS.

4. DEFORMED BAR ANCHOR STUDS SHALL BE NELSON D2L GRANULAR FLUX-FILLED REBAR STUDS OR APPROVED EQUAL, AND SHALL BE MADE OF LOW CARBON COLD ROLLED STEEL WITH A MINIMUM TENSILE STRENGTH OF 80,000 PSI. STUD WELDING INSPECTING AND TESTING SHALL CONFORM TO AWS D1.1.

5. HANGERS SUPPORTED BY METAL DECKING ONLY OR METAL DECKING WITH INSULATING FILL SHALL BE ATTACHED TO STEEL BARS, 3/8" ROUND X 12" OR 1/8" X 1 1/2" X 12" FLAT, PLACED PERPENDICULAR TO FLUTES. ONLY LIGHT DUCTWORK (12" X 16" MAX.), PIPING (1 1/2" ROUND PIPING MAX), OR CEILINGS MAY BE HUNG FROM SUCH INSTALLATIONS. HANGERS MUST BE TWO FLUTES APART WHERE THEY OCCUR ON THE SAME SPAN.

6. HANGERS SUPPORTED BY METAL DECK WITH STRUCTURAL CONCRETE FILL SHALL BE INSTALLED USING ICBO APPROVED ANCHORAGE SYSTEMS. SUCH HANGERS SHALL BE USED TO SUPPORT DUCTWORK (54" X 16" MAX.), PIPING (4" ROUND MAX.), OR CEILINGS. HANGERS MUST BE AT LEAST TWO FLUTES APART ON SAME DECK SPAN. LARGER DUCTWORK AND PIPING SHALL BE SUPPORTED BY STRUCTURAL BEAMS OR COLUMNS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL · 69120

AC ____ FLS ____ SS Vlc 1b
3-20-98

07/09/97 PROTO3-4 SX.X 3/4"=1'-0" JXXXX
PLOT DATE: 07.11.97

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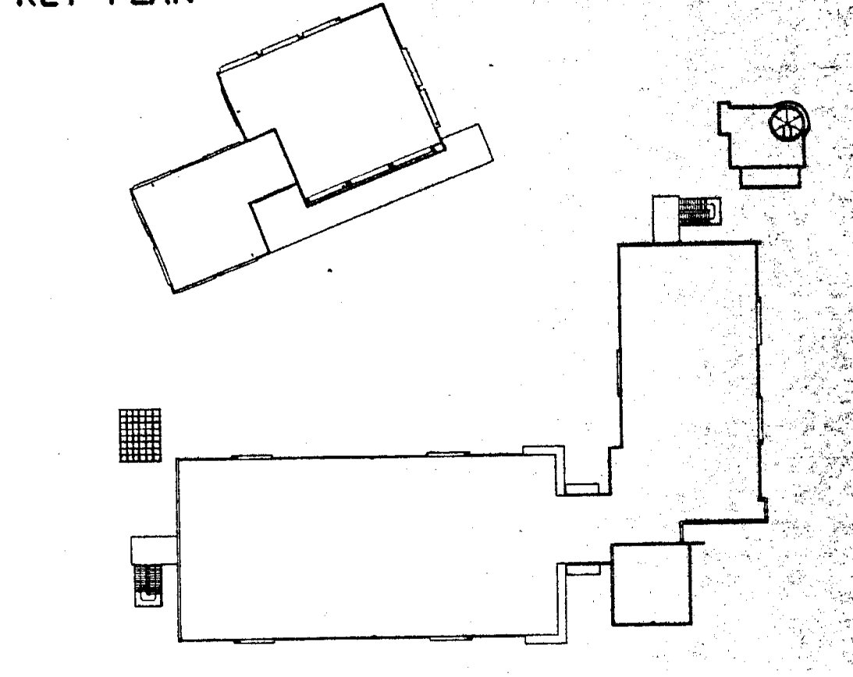
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE
GENERAL NOTES

FILE:	S101-552
SCALE	NONE
JOB NO.	JGM
DATE	07.14.97

SHEET NO.
S1.1
OF ____ SHEETS

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI-318), AND THE 'MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION' BY THE C.R.S.I. AND THE W.C.R.S.I., OR AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
2. REINFORCING BARS - A-615 GRADE 60 OR A-706 GRADE 60 UNLESS NOTED OTHERWISE. ONLY A-706 GRADE 60 REINFORCEMENT SHALL BE WELDED.
3. WELDING OF REINFORCEMENT SHALL BE WITH LOW HYDROGEN ELECTRODES IN CONFORMANCE WITH 'RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL, ETC.,' AMERICAN WELDING SOCIETY, AWS-D1.4.
4. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
5. WELDED WIRE FABRIC - A-185.
6. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES, OR ONE FULL MESH PLUS TWO INCHES, WHICHEVER IS GREATER.
7. REINFORCING SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS.
8. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING AS THE VERTICAL REINFORCING, RESPECTIVELY, UNLESS NOTED OTHERWISE.
9. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
10. CONTRACTOR SHALL PROVIDE FOR AN ALLOWANCE OF 5 TONS OF REINFORCING TO BE FABRICATED AND PLACED DURING PROGRESS OF WORK AS MAY BE DIRECTED BY THE STRUCTURAL ENGINEER. THE UNUSED PORTION SHALL BE CREDITED TO THE OWNER AT THE COMPLETION OF THE CONCRETE WORK.

NELSON STUDS

1. MATERIAL

AUTOMATIC END WELDED STUDS SHALL BE NELSON GRANULAR FLUXFILLED SHEAR CONNECTOR OR ANCHOR STUDS (OR APPROVED EQUAL).

STUDS SHALL BE MANUFACTURED OF C-1050 COLD ROLLED STEEL, WHICH CONFORMS TO ASTM SPECIFICATION A-108-58-T.

2. INSTALLATION

THE STUDS SHALL BE AUTOMATICALLY END WELDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE END OF THE STUD AND THE PLATE. THERE SHOULD BE NO POROSITY OR EVIDENCE OF LACK OF FUSION BETWEEN THE WELDED END OF THE STUD AND THE PLATE. THE STUD SHALL DECREASE IN LENGTH DURING WELDING APPROXIMATELY 1/8" FOR 5/8" AND UNDER, AND 3/16" FOR OVER 5/8" DIAMETER. WELDING SHALL BE DONE ONLY BY QUALIFIED WELDERS APPROVED BY THE WELDING INSPECTOR.

3. INSPECTION AND TESTS

INSPECTION, IN ACCORDANCE WITH TITLE 24, SECTION 2212A.5. OF ALL THE SHOP AND FIELD WELDING OPERATIONS FOR THE AUTOMATIC END WELDED STUDS SHALL BE MADE BY A QUALIFIED WELDING INSPECTOR (APPROVED BY THE DSA). THE TYPE AND CAPACITY OF THE WELDING EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMEMDATIONS AND SHALL BE CHECKED AND APPROVED BY A WELDING INSPECTOR.

AT BEGINNING OF EACH DAY'S WORK, A MINIMUM OT TWO TEST STUD WELDS SHALL BE MADE WITH THE EQUIPMENT TO BE USED TO METAL WHICH IS THE SAME AS THE ACTUAL WORK PIECE. THE TEST STUDS SHALL BE SUBJECTED TO A 90% BEND TEST BY STRIKING THEM WITH A HEAVY HAMMER. AFTER THE ABOVE TEST, THE WELD SECTION SHALL NOT EXHIBIT ANY TEARING OUT OR CRACKING.

TESTING OF END-WELDED STUDS SHALL BE IN ACCORDANCE WITH SECTION 2212A.3, PART 2, TITLE 24.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL · 69120

AC_____ FLS_____ SS Vic14
DATE 3-20-98

07/09/97 PROTO3-4 SX.X 3/4"=1'-0" JXXXX

PLOT DATE: 07.11.97

Jenkins/Gales & Martinez, Inc.
Project & Construction Management

JGM

5933 West Century Boulevard - Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721

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PROGRAMMING
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CHECKED JGM
APPROVED JGM

CONSULTANT

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14930 VENTURA BLVD., STE. 240
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DSK LANDSCAPE ARCHITECTS
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LOS ANGELES, CA. 90010
213-382-3113
213-382-2669 FAX

STRUCTURAL:
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1212 S. FLOWER
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12517 CHANDLER BLVD.
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818-760-4645 FAX

ELECTRICAL:
SILVER, ROTH & ASSOCIATES, INC.
8780 NATIONAL BLVD., STE. 206
CULVER CITY, CA. 90232
310-202-0246
310-202-0678 FAX

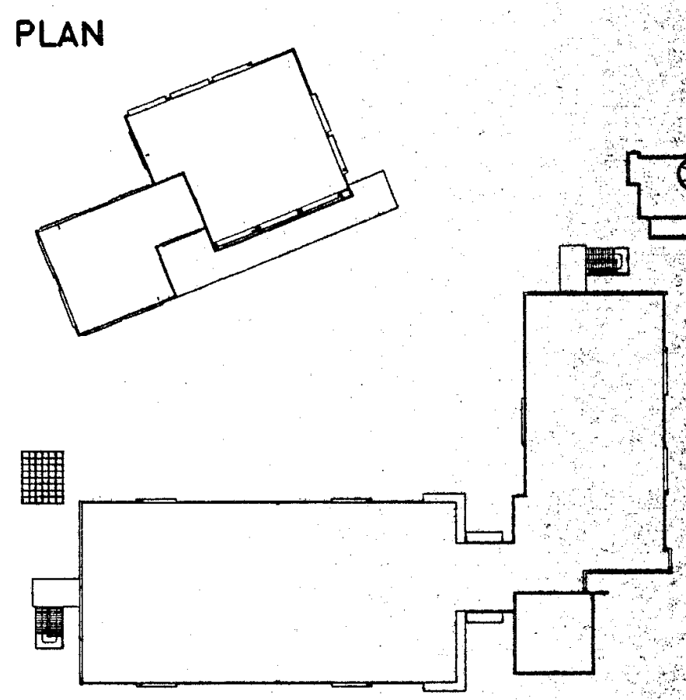
SEAL

JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01

MORRIS R. POINDEXTER
3-31-99
RENEWAL DATE

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

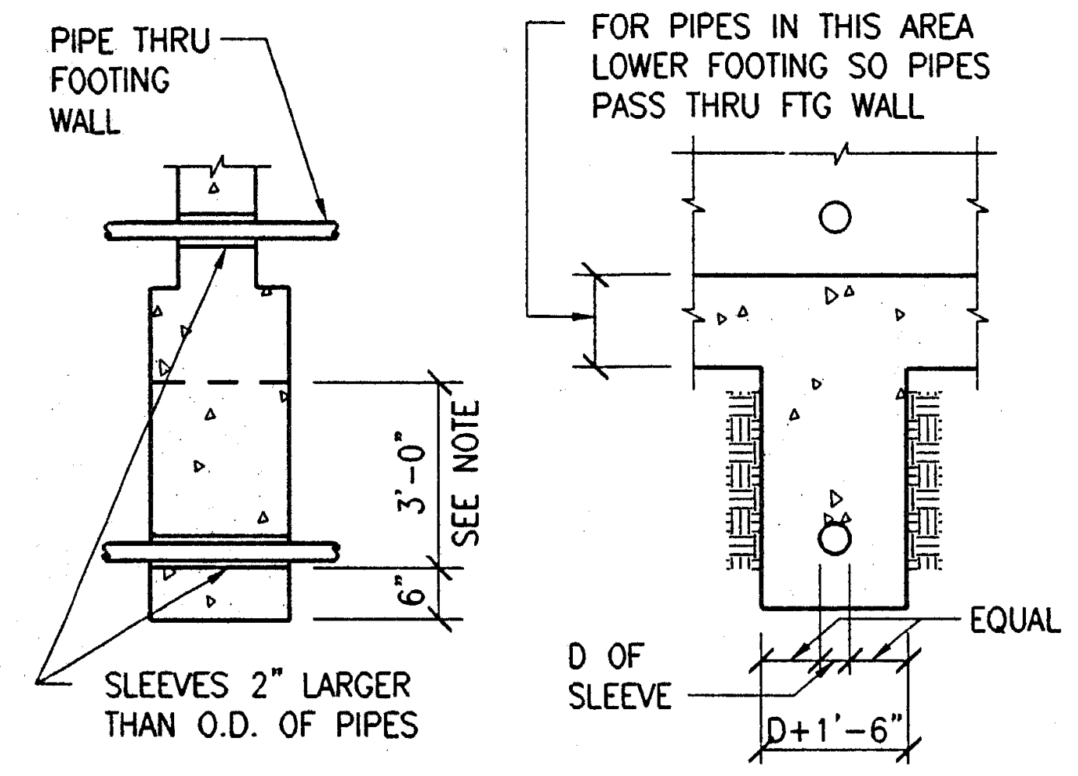
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE
GENERAL NOTES

FILE: NONE
SCALE 3/4"=1'-0"
JOB NO. JGM
DATE 07.14.97

SHEET NO.
S1.2
OF _____ SHEETS

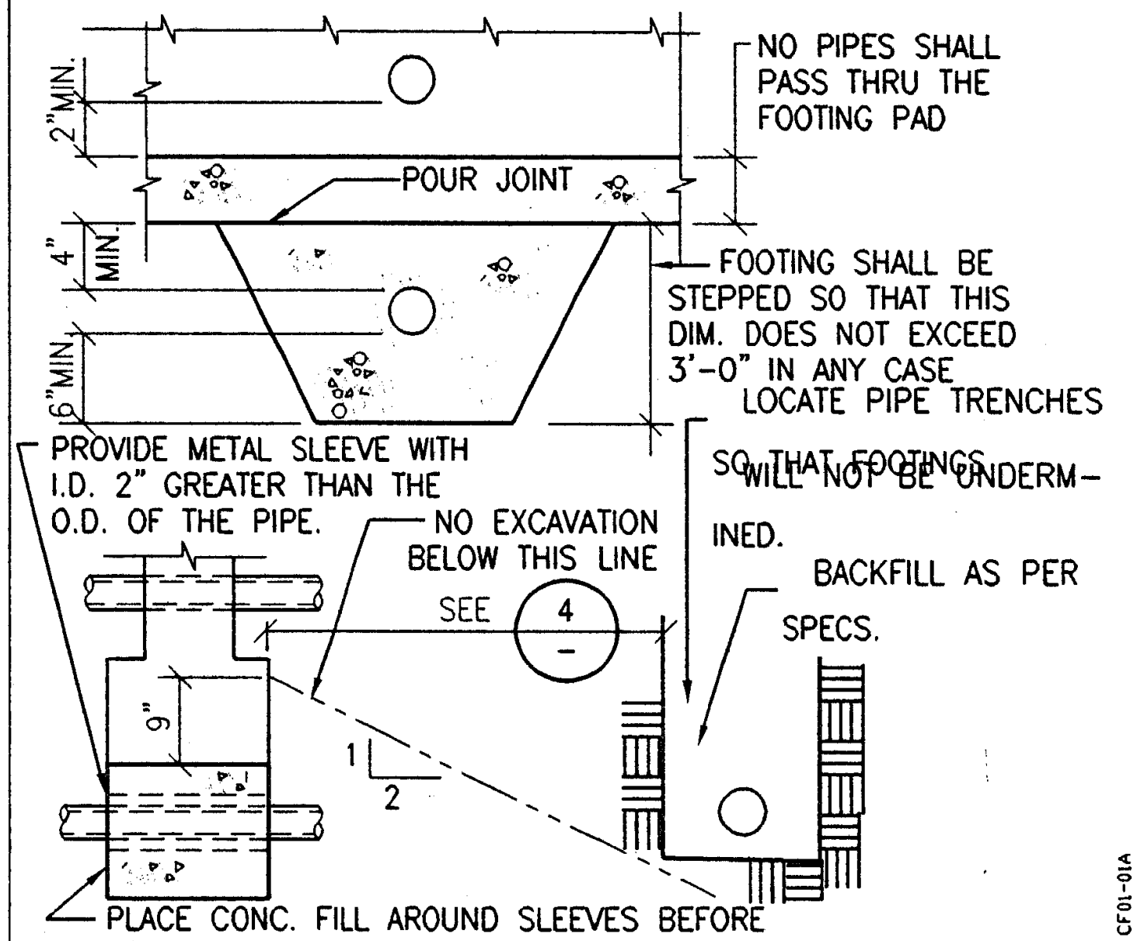


NOTE: FOR PIPES 3'-0" OR LESS BELOW FTG, PROVIDE SLEEVE AND CONCRETE AS SHOWN; MORE THAN 3'-0" COMPACT BACKFILL OVER PIPE TO 90% AS APPROVED BY SOILS ENGINEER, OR USE STEPPED FOOTING BELOW PIPE.

CF01-01

EXCAVATION PERPENDICULAR TO FOOTING

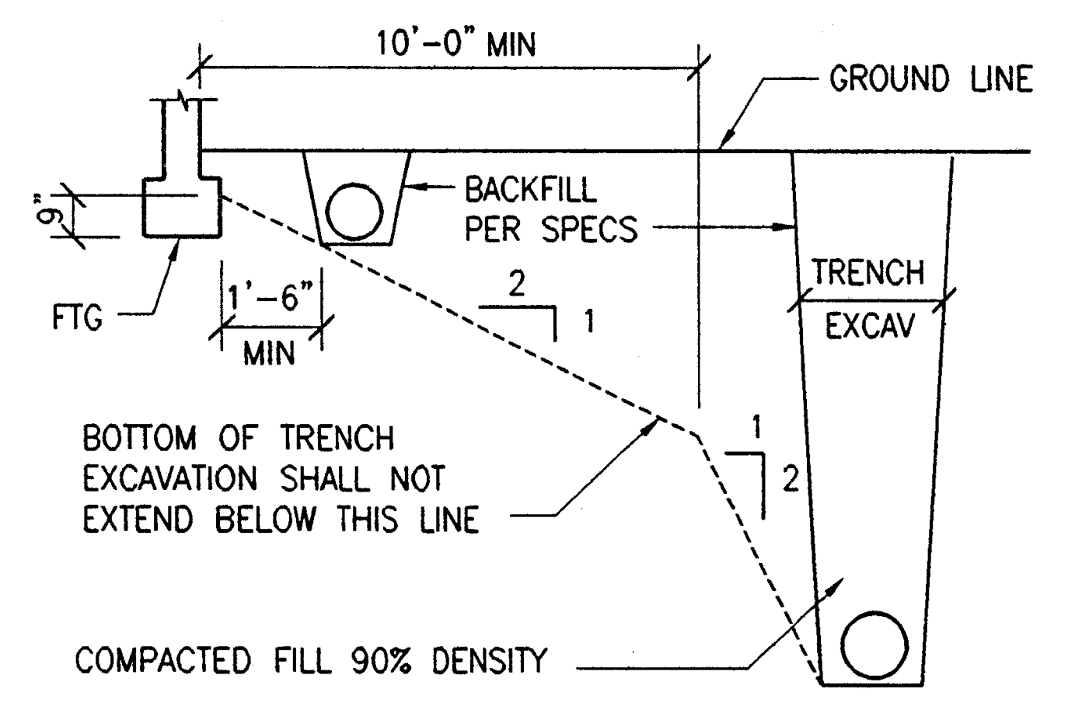
6



CF01-01A

PIPE TRENCHES (D.S.A.)

5

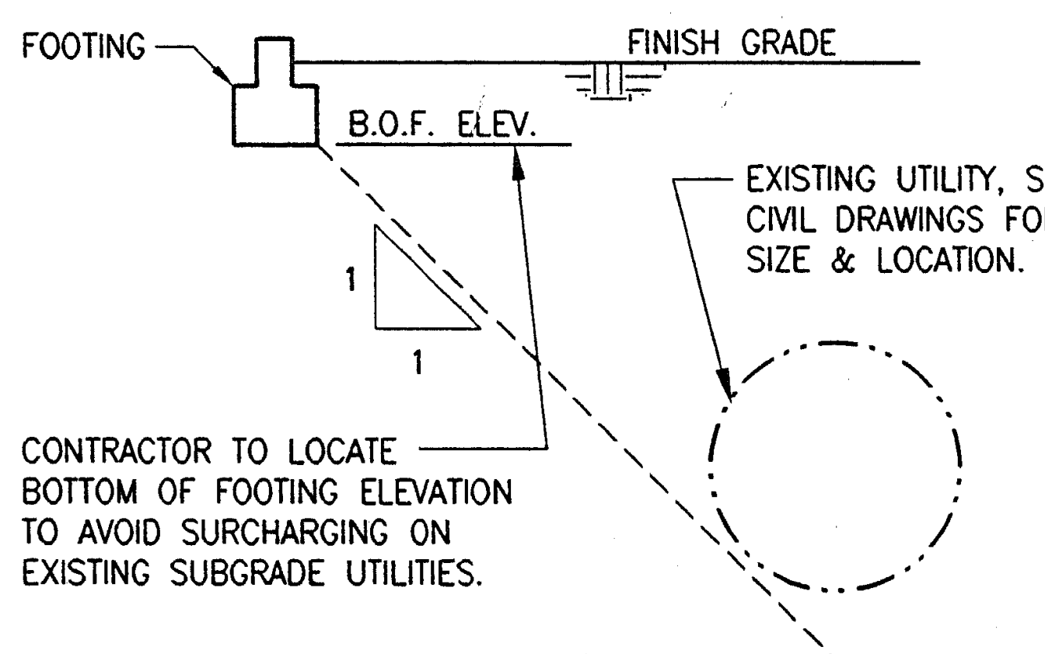


NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING, SHEATHING OR OTHERWISE MAINTAINING THE SIDES OF THE EXCAVATION FROM CAVE-INS UNTIL ALL BACKFILL IS COMPLETED PER SPECIFICATIONS

CF01-02

EXCAVATIONS PARALLEL TO FOOTING

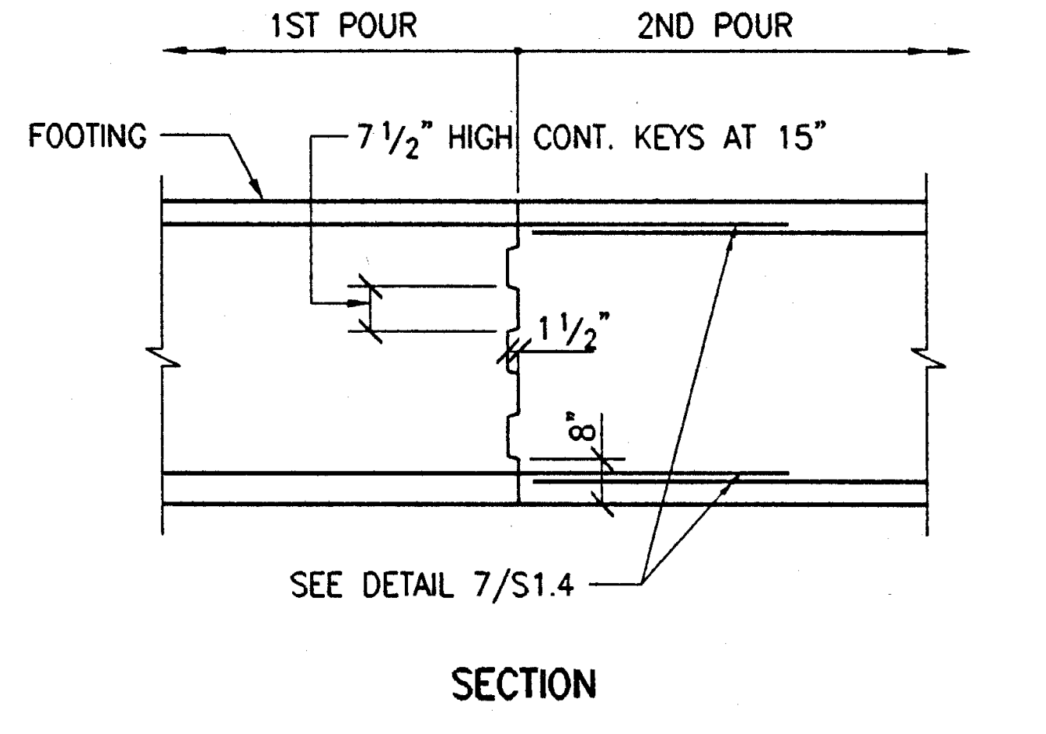
4



CF01-03A

FOOTING PARALLEL TO EXISTING UTILITY

3



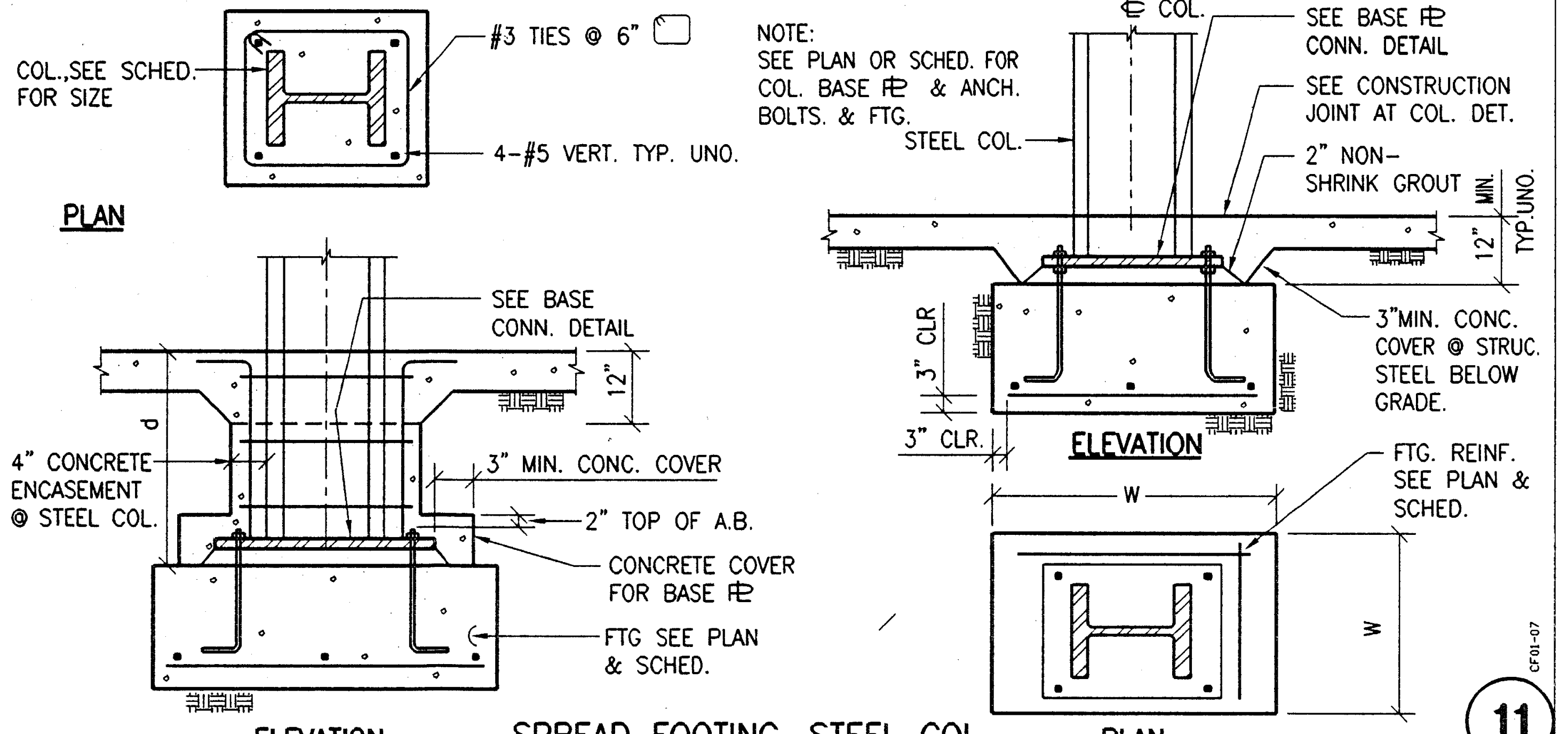
NOTE: WHERE CONT. FOOTING IS UNDER A WALL, LOCATE CONSTRUCTION JOINT AT 1/4 OF THE CLEAR OPENING WIDTH ABOVE FROM FACE OF OPENING, OR IN MIDDLE 1/3 OF THE DISTANCE BETWEEN COLUMNS.

CF01-05

CONTINUOUS FOOTING CONSTRUCTION JT.

2

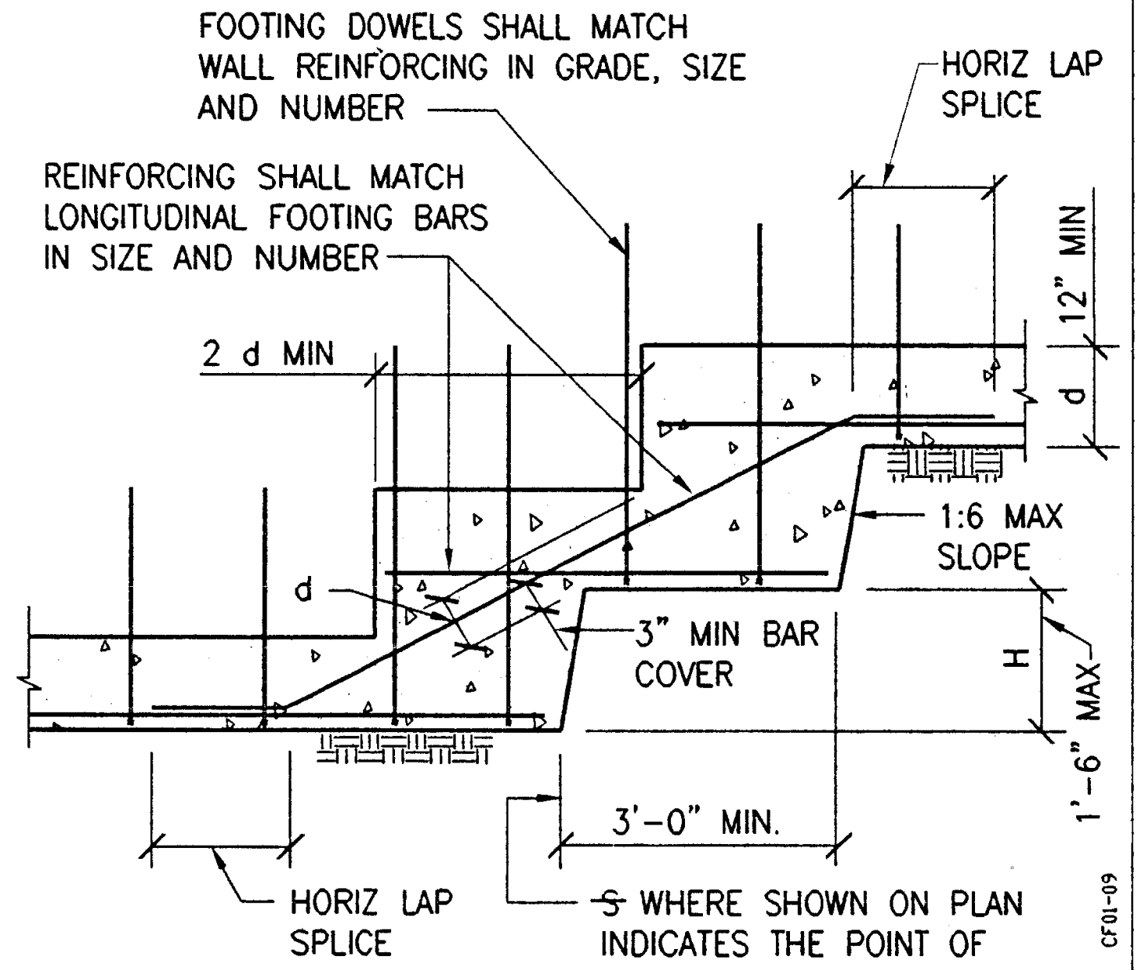
1



CF01-07

SPREAD FOOTING, STEEL COL.

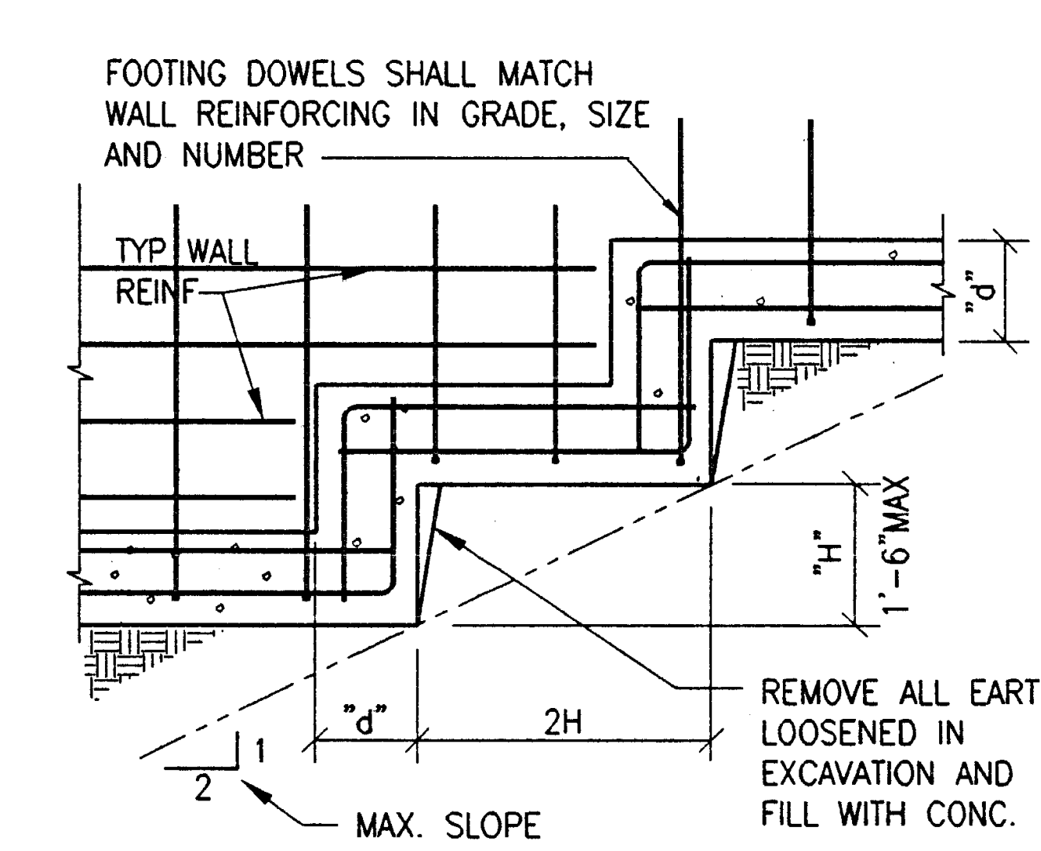
11



CF01-09

STEPPED FOOTING

10

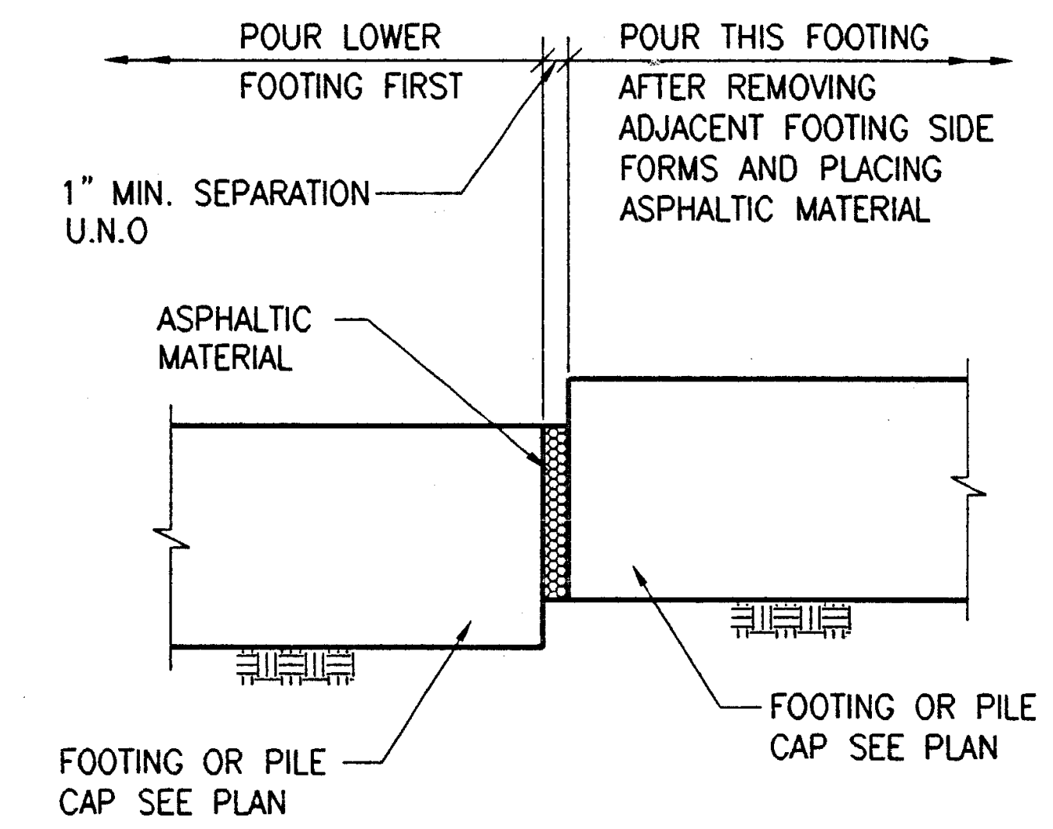


NOTE: "d" IS FOOTING THICKNESS

CF01-09A

TYPICAL STEPPED WALL FOOTING

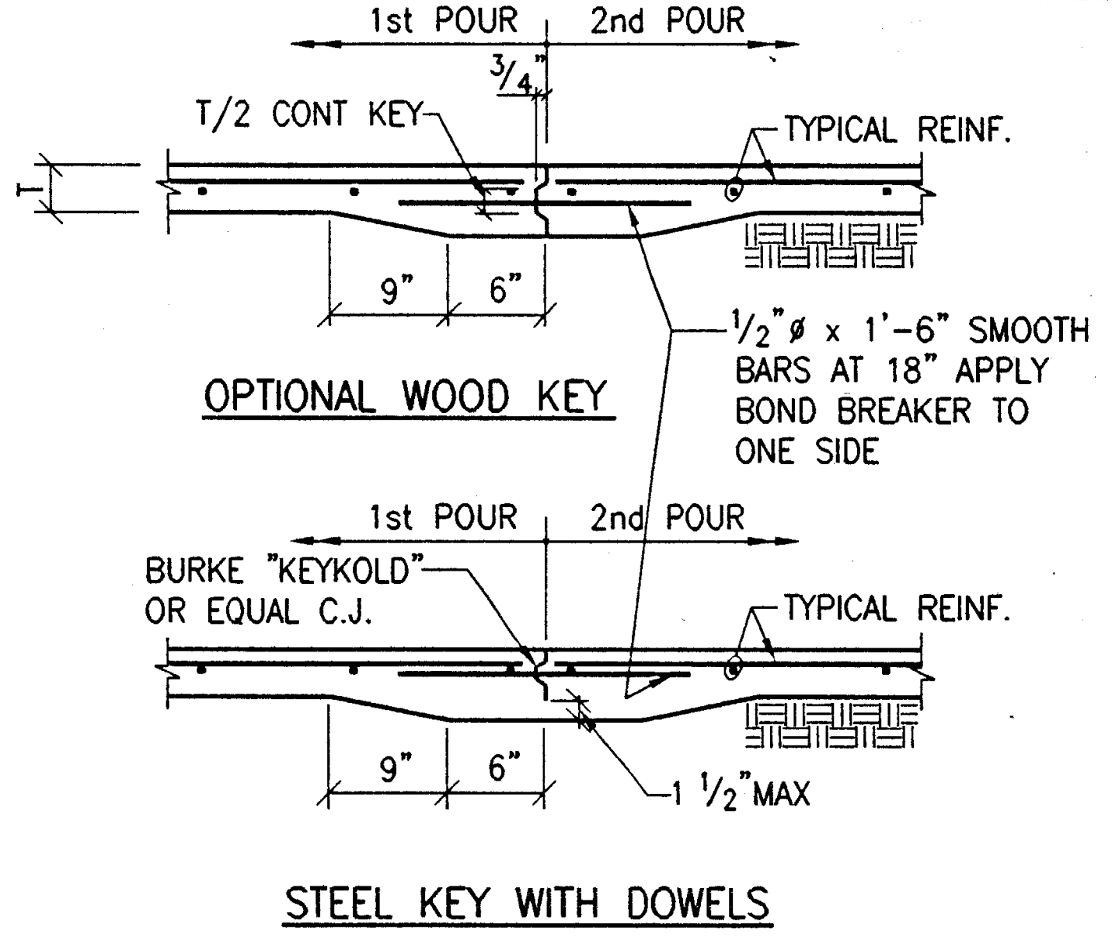
9



CF01-10

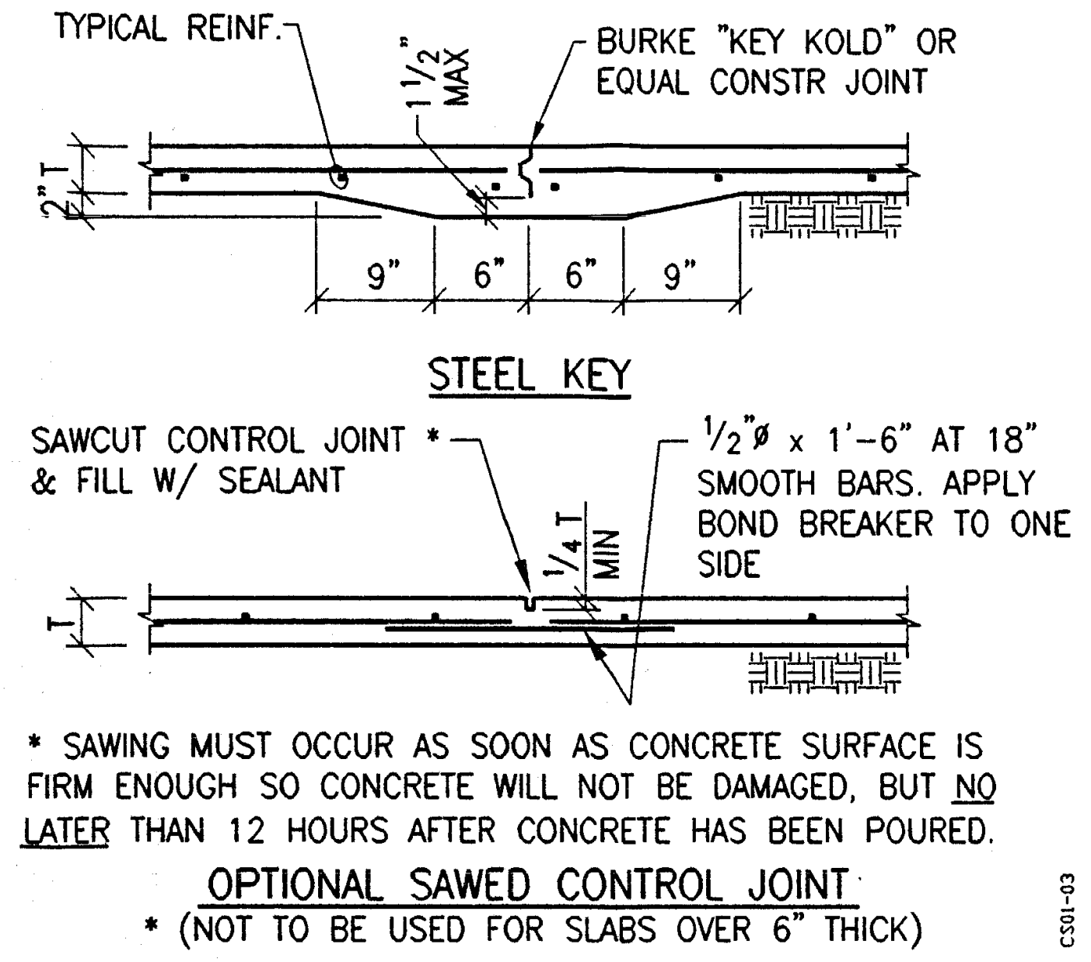
FOOTING SEPARATION

8



TYPICAL SLAB ON GRADE CONSTRUCTION JOINTS

7



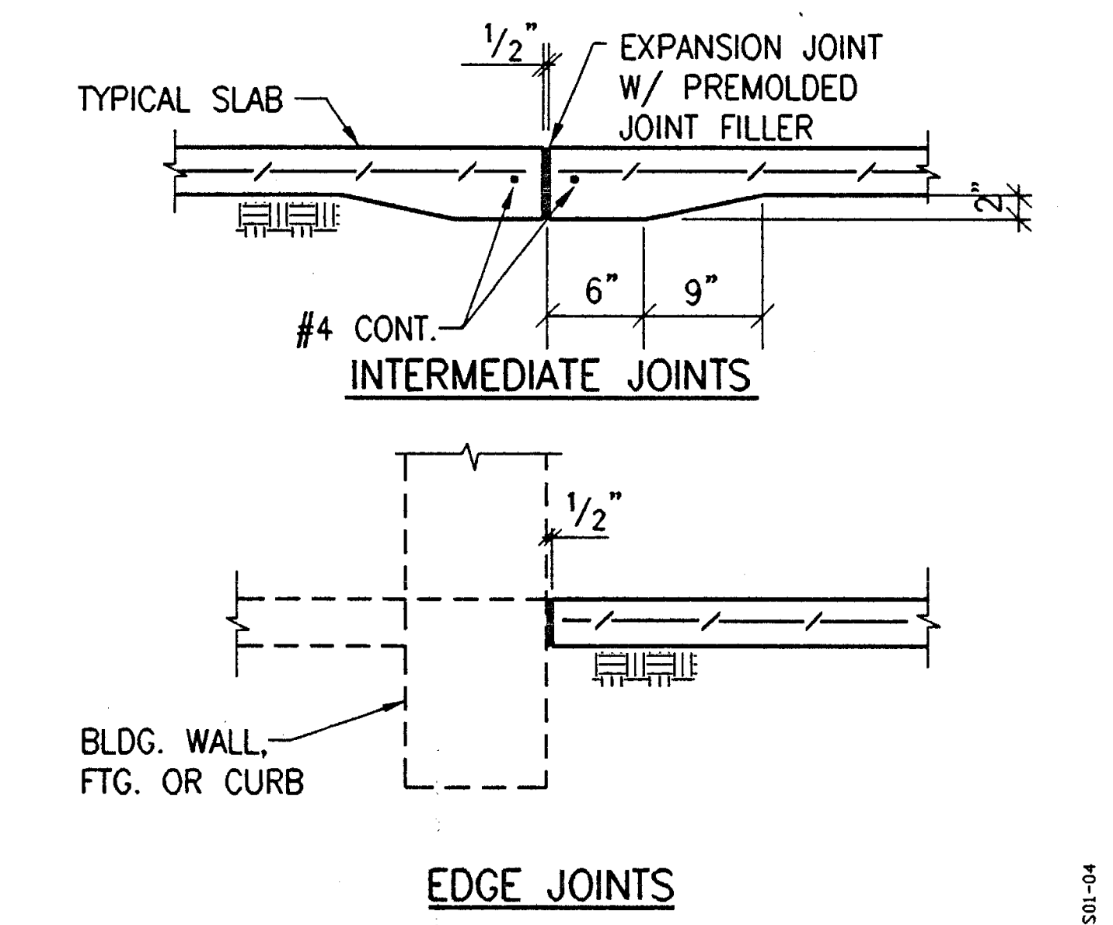
* SAWING MUST OCCUR AS SOON AS CONCRETE SURFACE IS FIRM ENOUGH SO CONCRETE WILL NOT BE DAMAGED, BUT NO LATER THAN 12 HOURS AFTER CONCRETE HAS BEEN POURED.

OPTIONAL SAWED CONTROL JOINT
* (NOT TO BE USED FOR SLABS OVER 6" THICK)

CS01-03

TYPICAL SLAB ON GRADE CONTROL JOINTS

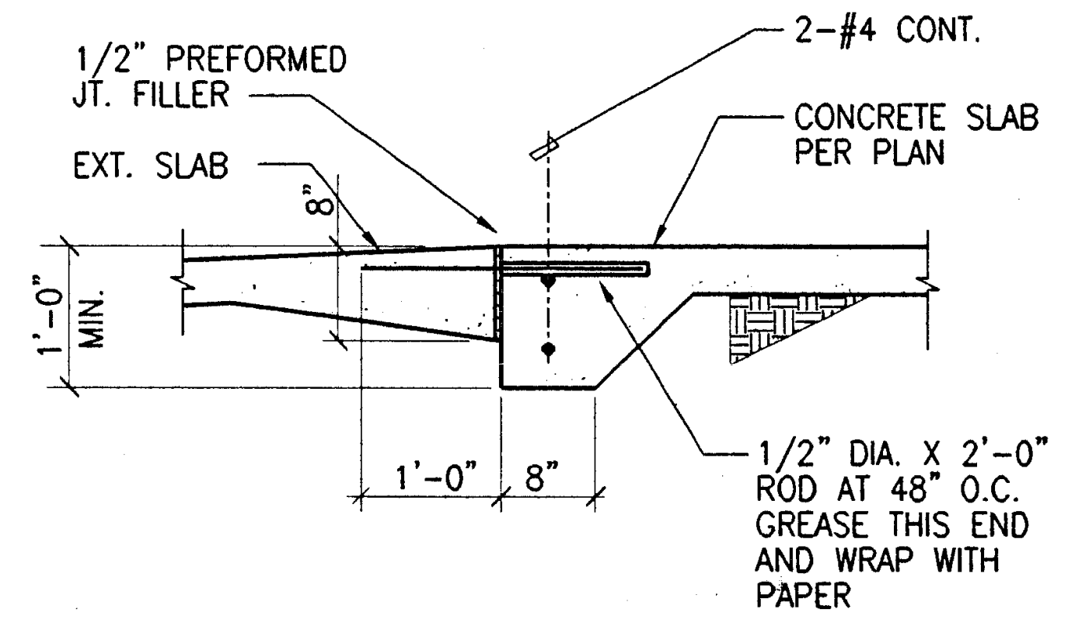
18



CS01-04

TYPICAL SLAB ON GRADE EXPANSION JOINTS

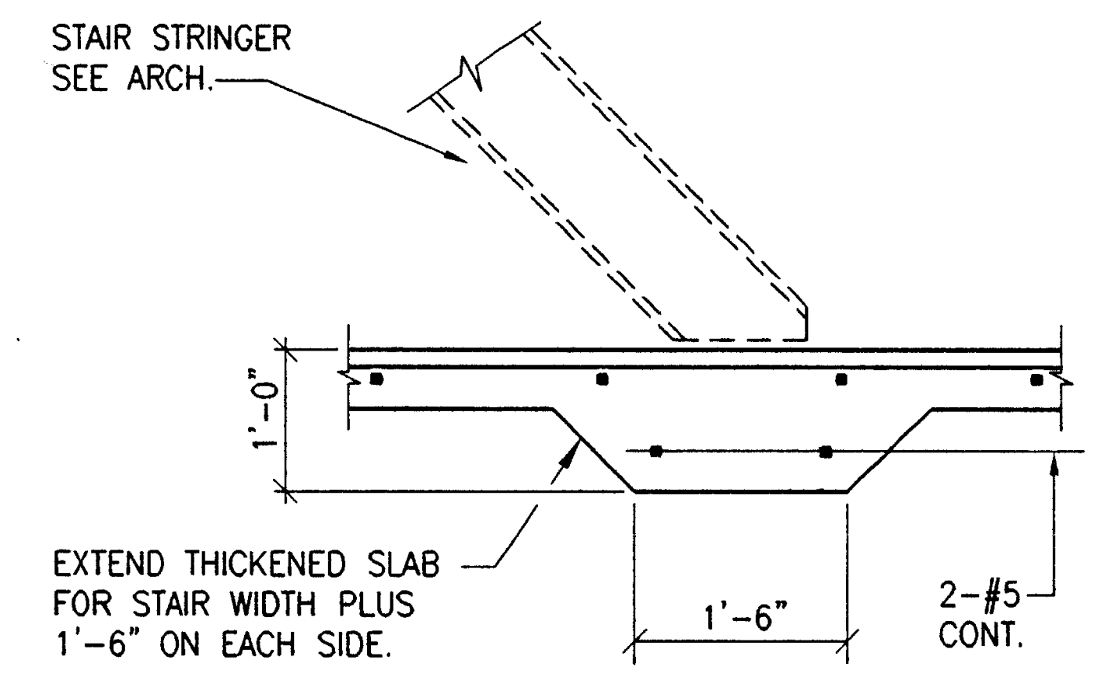
17



CS01-05

TYPICAL SLAB TOEDOWN

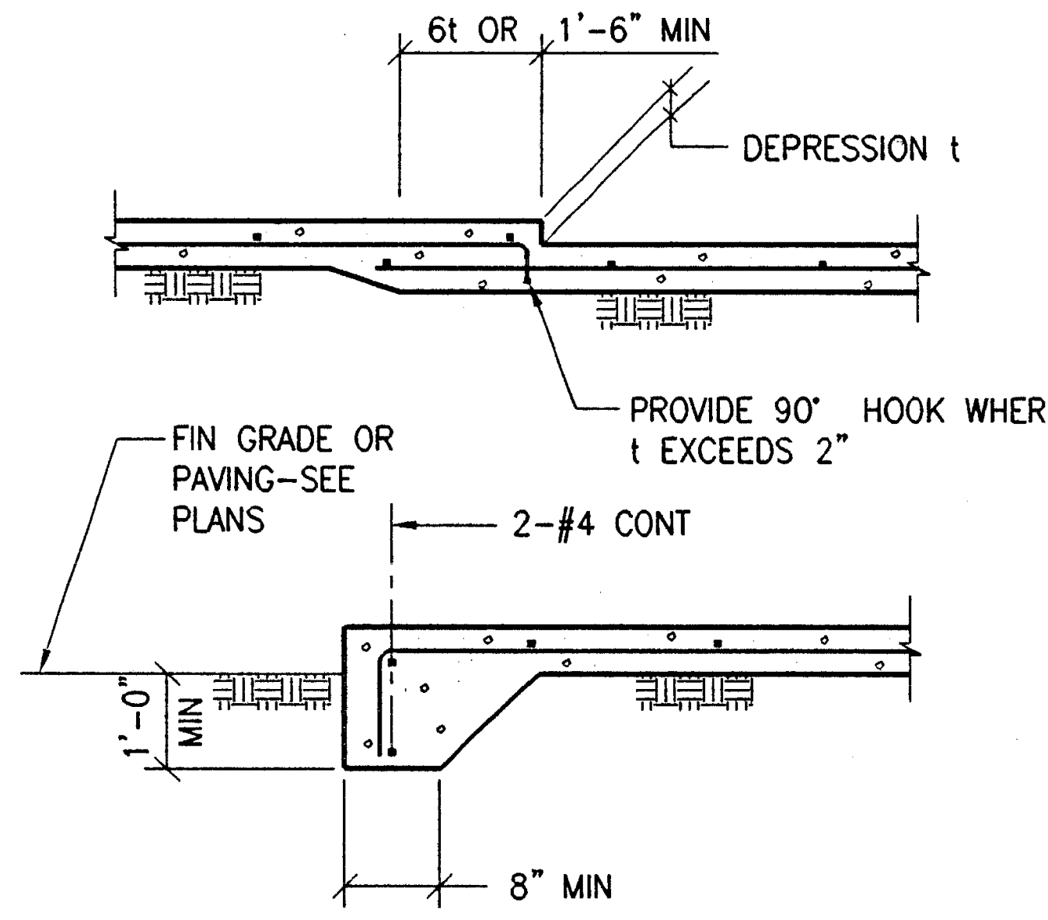
16



CS01-08

STAIR STRINGER TO SLAB ON GRADE

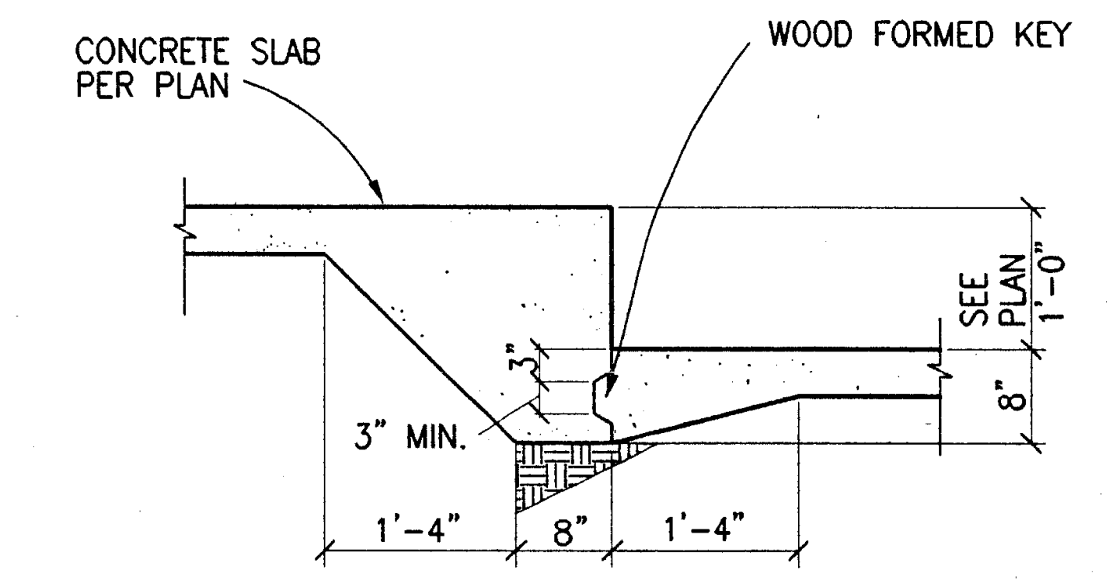
15



CS01-09

DEPRESSED SLAB AND SLAB EDGE

14

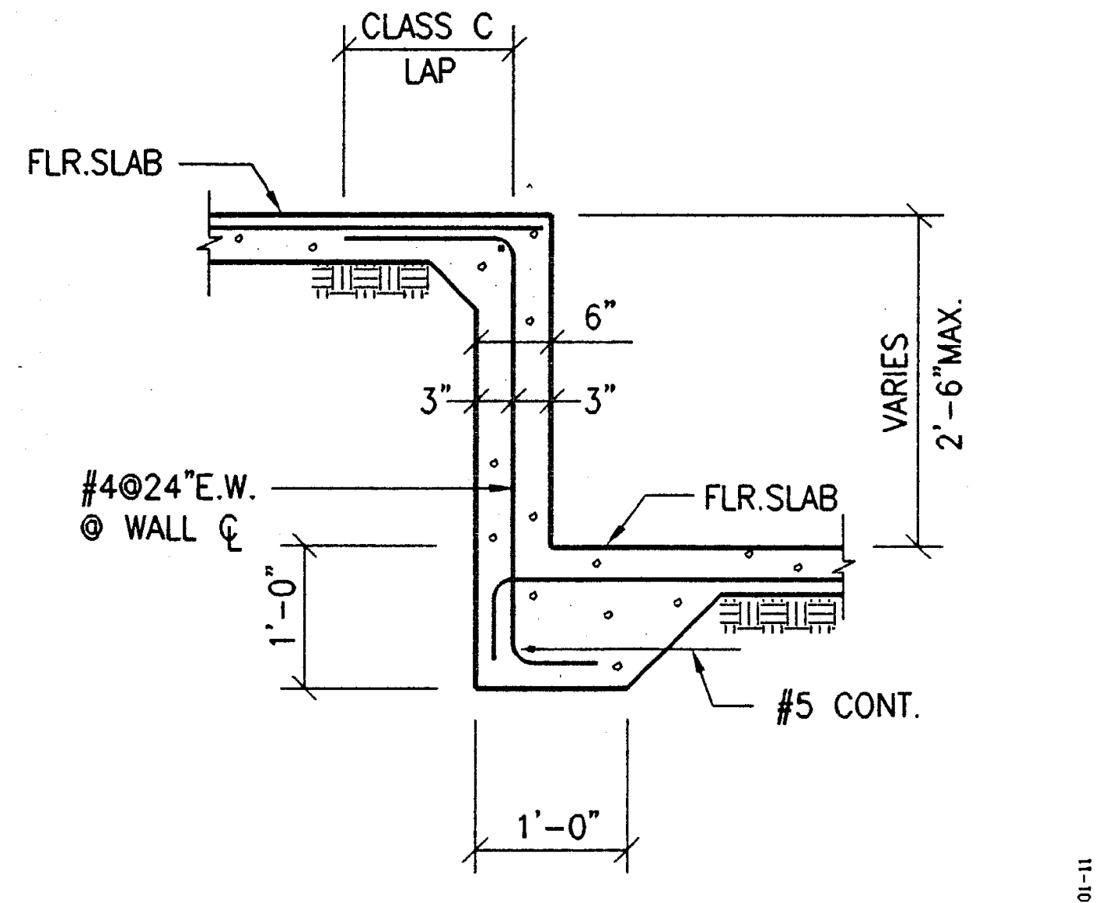


(OVER 4" TO 1'-0")

CS01-10

TYPICAL STEP IN SLAB

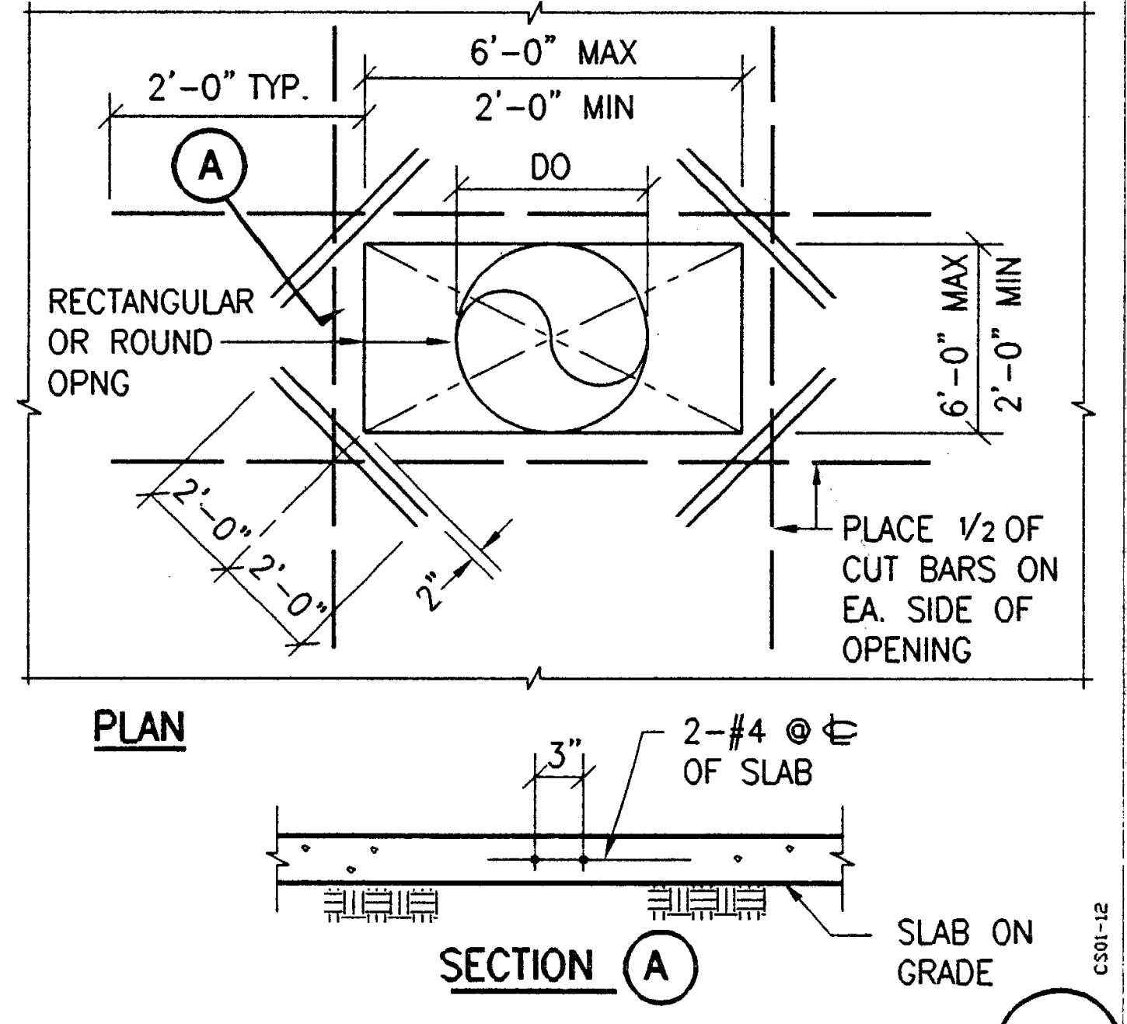
13



CS01-11

STEP IN SLAB ON GRADE

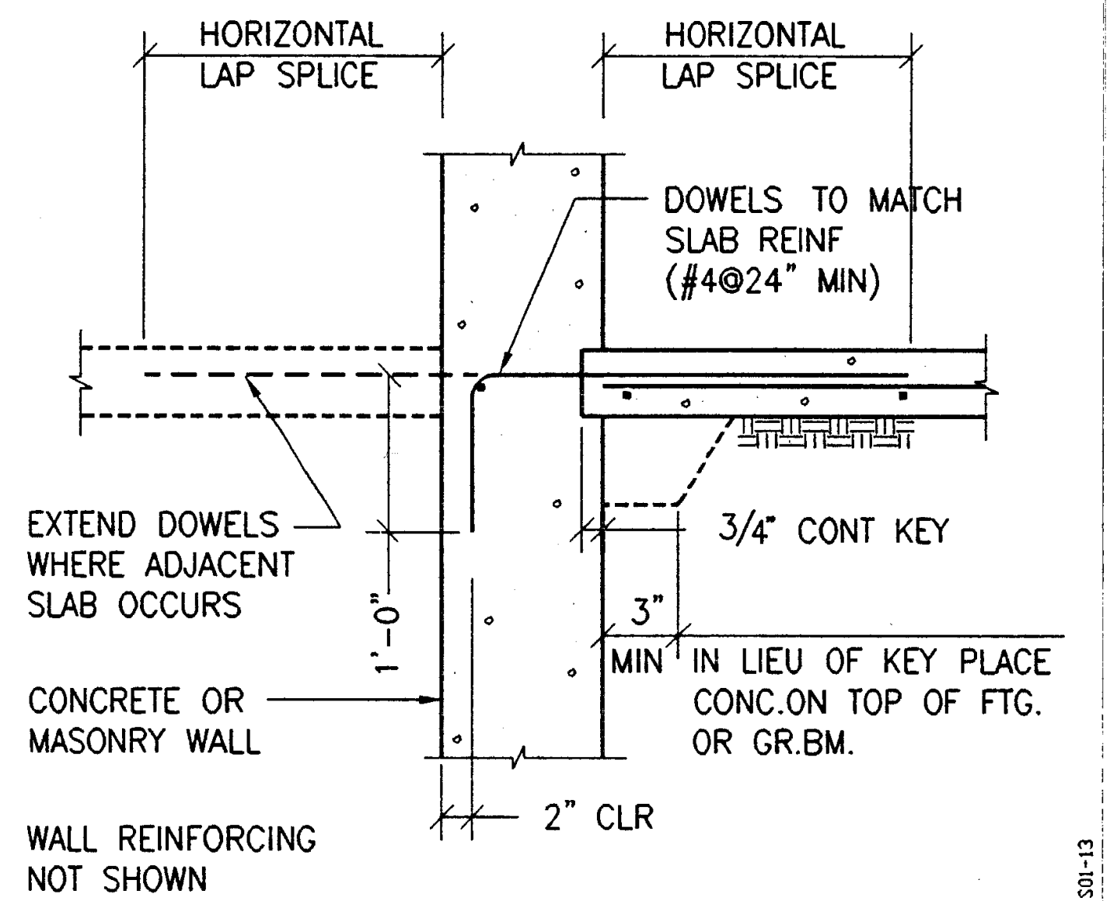
24



CS01-12

OPENING IN SLAB ON GRADE

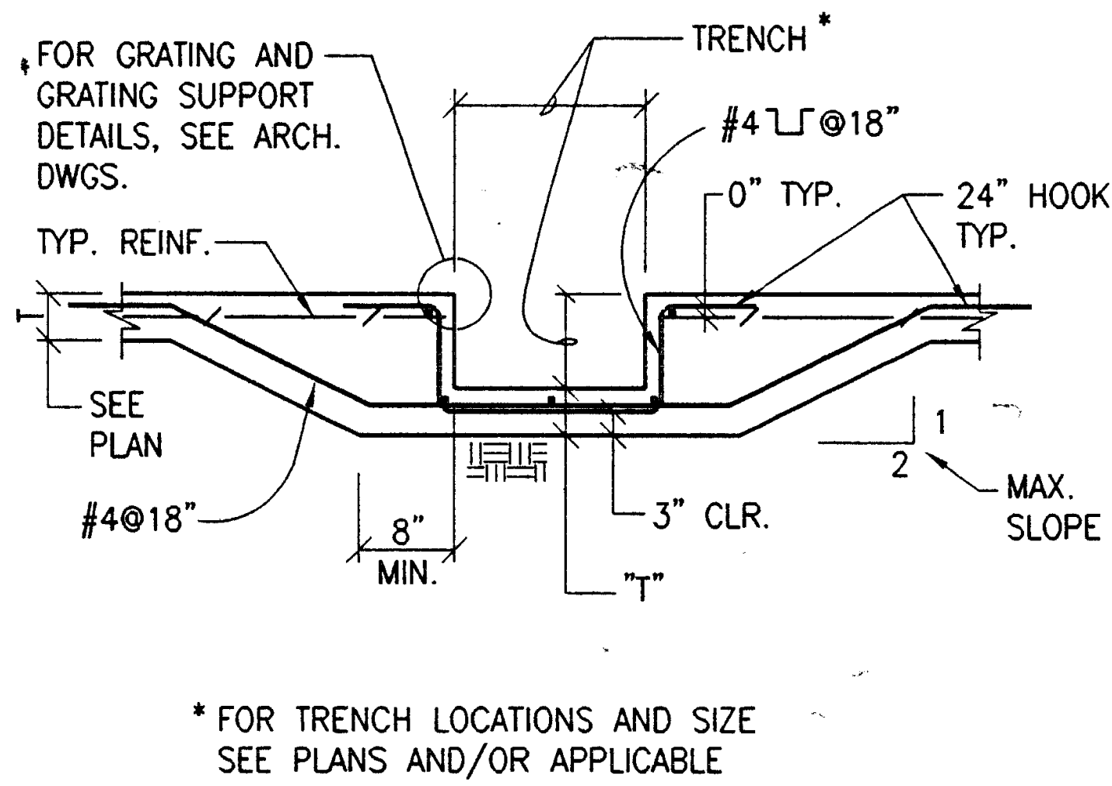
23



CS01-13

DOWELS FOR SLAB ON GRADE

22

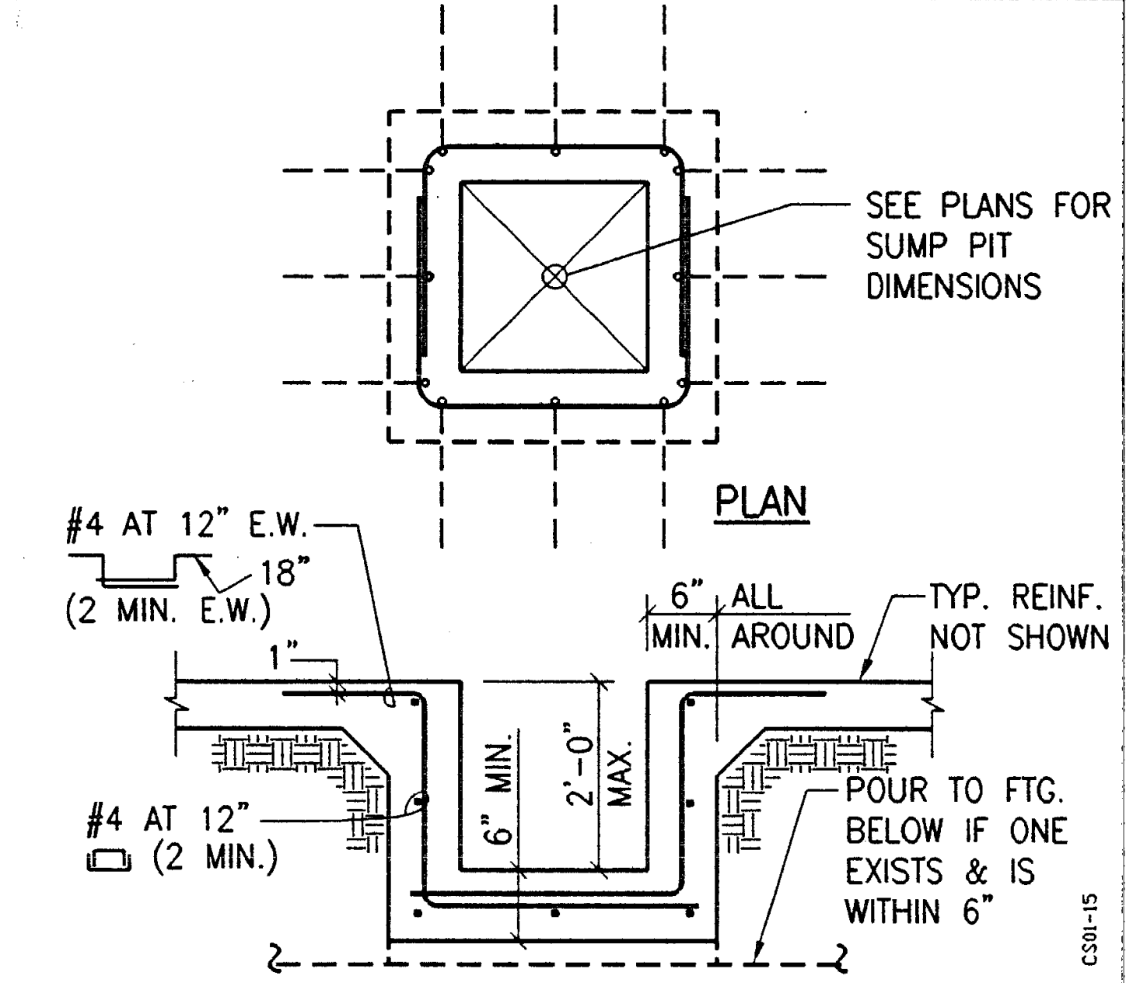


* FOR TRENCH LOCATIONS AND SIZE SEE PLANS AND/OR APPLICABLE ARCH., MECH. AND ELEC. DWGS.

CS01-14

TYPICAL TRENCH AT SLAB ON GRADE

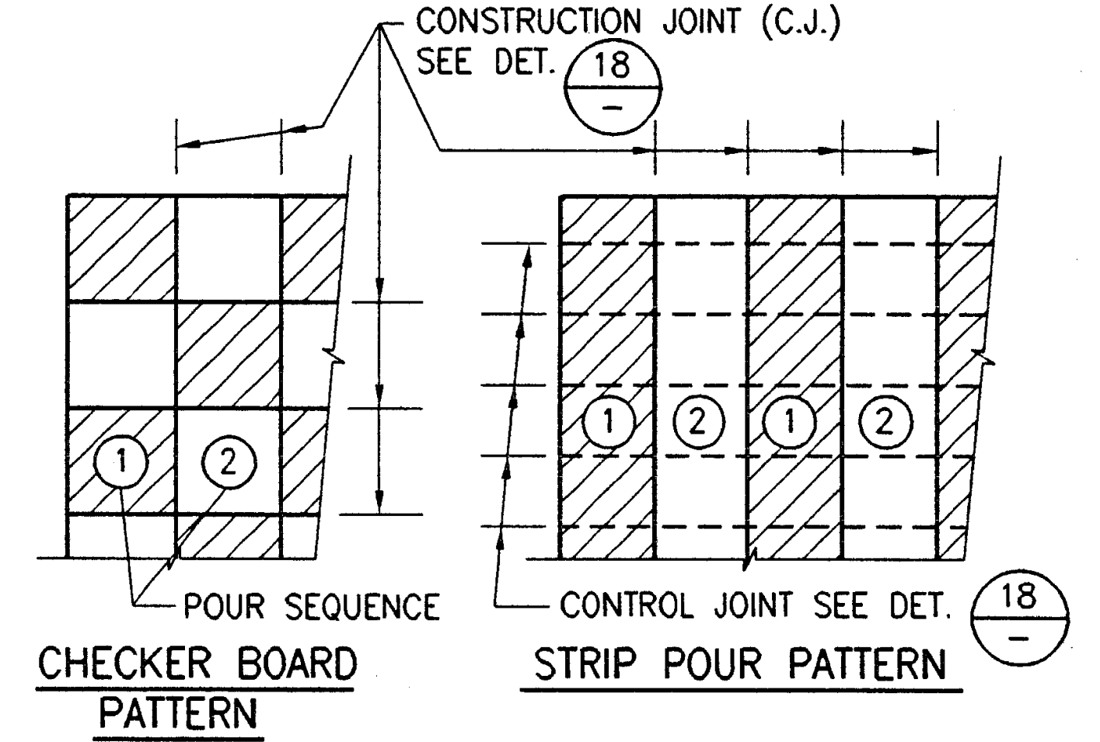
21



CS01-15

TYPICAL SUMP PIT DETAIL

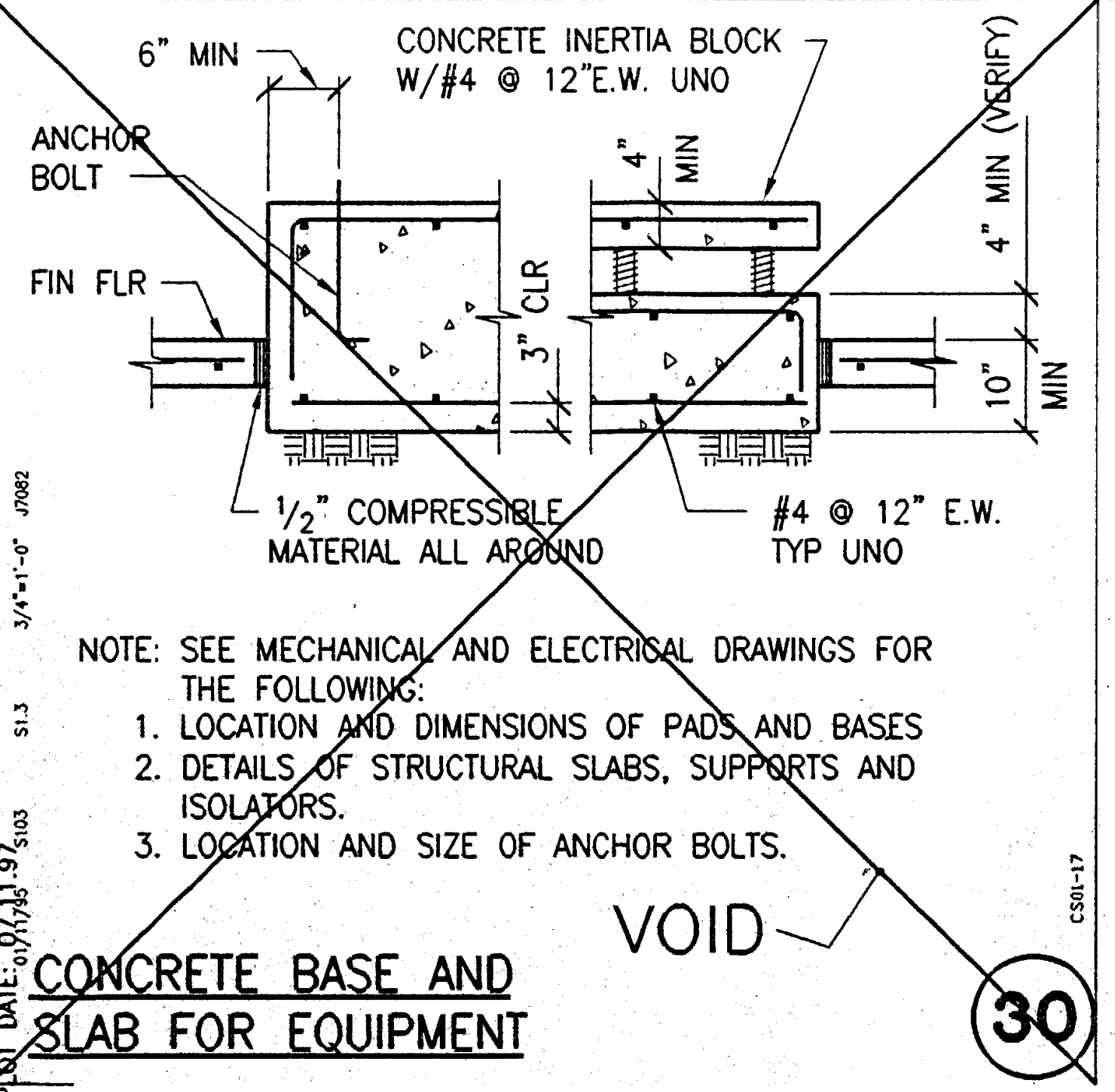
20



NOTES:
1. THERE SHALL BE A MINIMUM OF 24 HOURS BETWEEN POURS 1 & 2.
2. EACH POUR FOR CHECKER BOARD PATTERN SHALL NOT EXCEED 1000 SQ. FT. UNLESS SHOWN OTHERWISE.
3. CONSTRUCTION JOINTS MUST BE USED AT THE END OF THE DAY'S WORK AND AT EVERY 120 FT.

SLAB ON GRADE POUR PATTERN

19



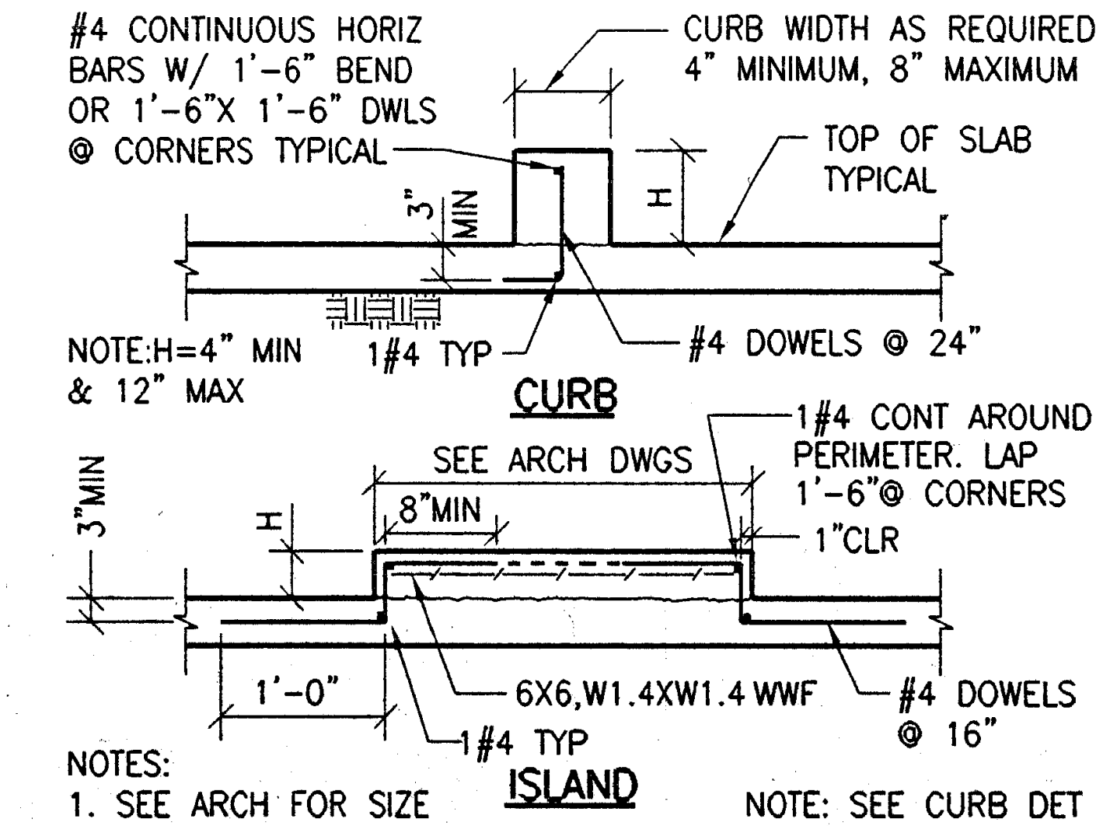
NOTE: SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
1. LOCATION AND DIMENSIONS OF PADS AND BASES
2. DETAILS OF STRUCTURAL SLABS, SUPPORTS AND ISOLATORS.
3. LOCATION AND SIZE OF ANCHOR BOLTS.

CS01-17

07/09/97 PROTO3-4 SX.X 3/4"=1'-0" JXXXX
PLOT DATE: 07.11.97 01/11/95 S103 S1.3 3/4"=1'-0" J7082

CONCRETE BASE AND SLAB FOR EQUIPMENT

30



NOTES:
1. SEE ARCH FOR SIZE AND LOCATION OF CURBS
2. PROVIDE INSERTS AS REQ'D BY ARCH & MECH DRAWINGS

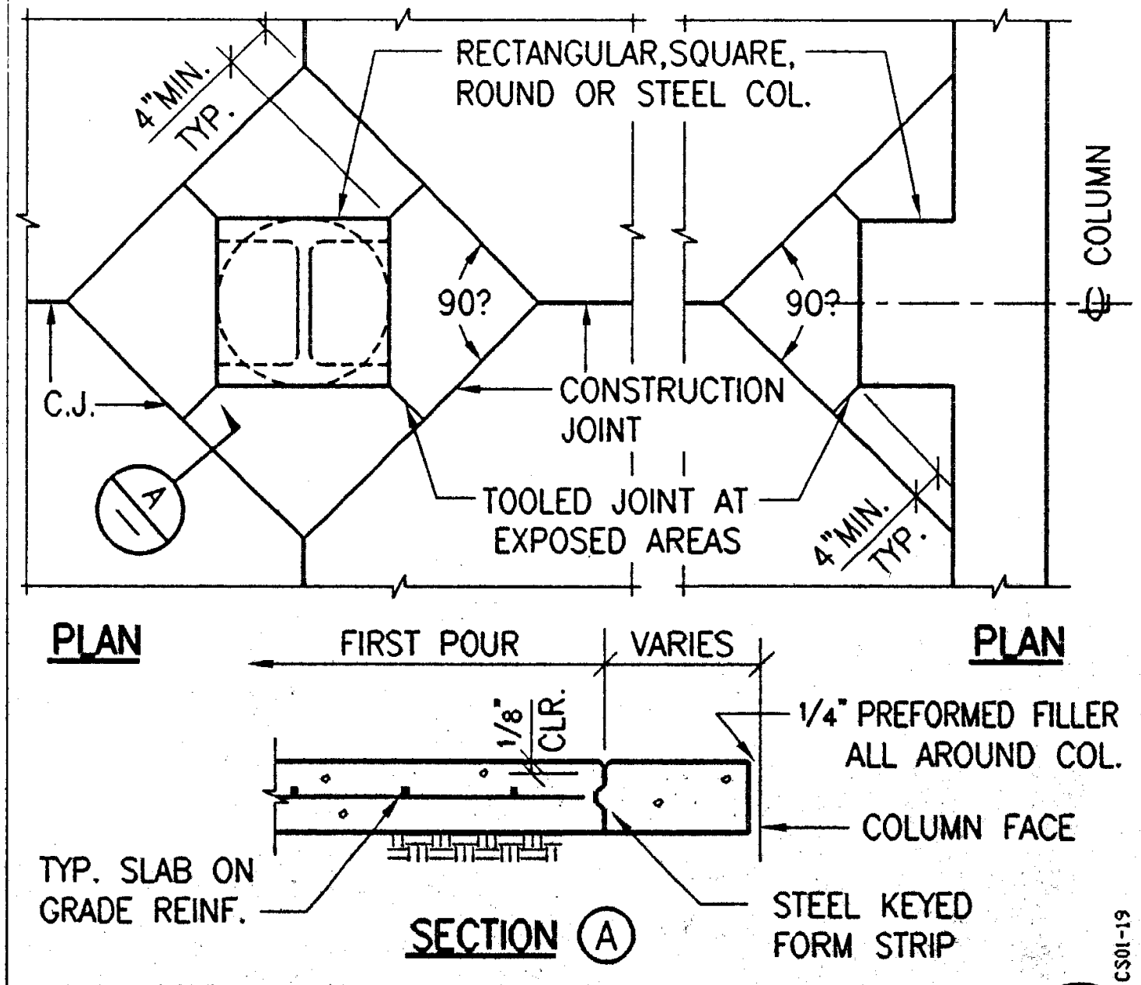
NOTE: SEE CURB DET FOR #4 HORIZ BAR REQUIREMENTS

NOTE: SLAB REINF NOT SHOWN

CS01-18

CONCRETE CURBS AND ISLANDS

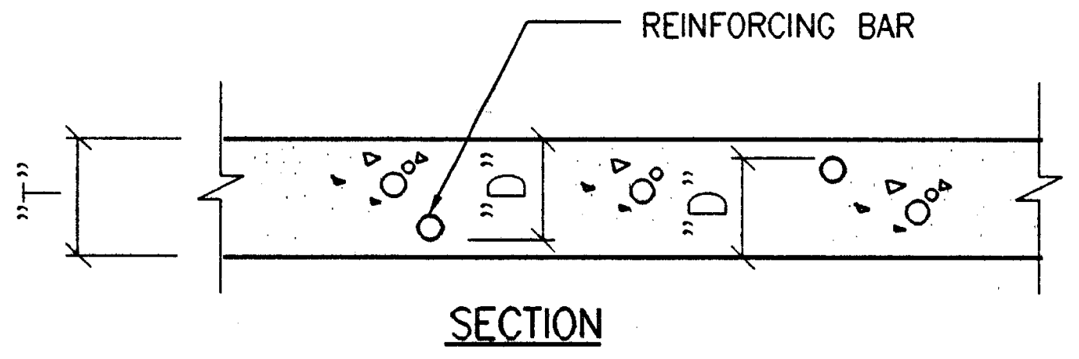
29



CS01-19

CONSTRUCTION JOINTS AT COLUMN SLAB ON GRADE

28



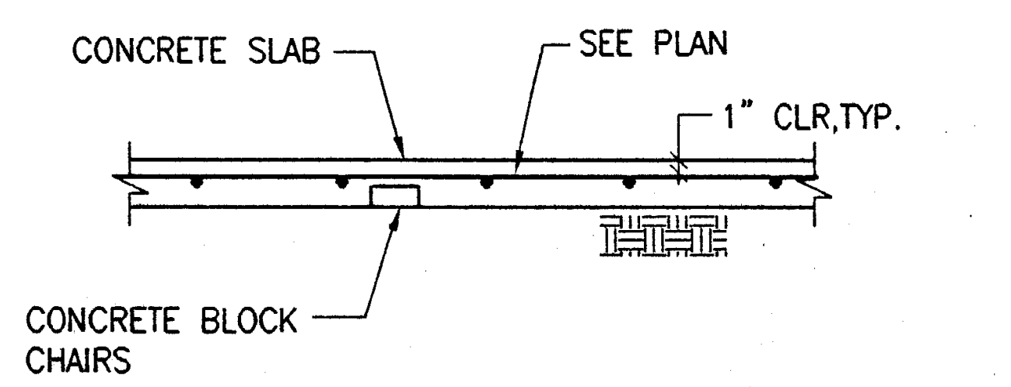
UNLESS OTHERWISE NOTED, REINFORCING SHALL BE PLACED AS SHOWN ON THE DRAWINGS WITHIN THE FOLLOWING TOLERANCE:

DEPTH "D" IN SLABS, JOISTS, BEAMS,WALLS,COLUMNS AND SIMILAR ELEMENTS WHERE "D" IS 24" OR LESS — ±1/4"
WHERE "D" IS MORE THAN 24" — ±1/2"
LONGITUDINAL LOCATION OF BENDS AND ENDS OF BARS — ±2"
EXCEPT THAT SPECIFIED CONCRETE COVER AT ENDS OF MEMBERS SHALL NOT BE REDUCE.
FABRICATED DIMENSIONS OF TIES, STIRRUPS AND SPIRALS — 0"-1/4"
OFFSET DIMENSIONS IN BENT BARS — 0"-1/2"
DIMENSION FROM FACE OF SUPPORT TO LOCATION OF AT TIE OR STIRRUP — ±1"

CS02-04

TOLERANCES FOR PLACING AND FABRICATION OF REINF.BARS

27



CS01-01

TYPICAL SLAB ON GRADE

26

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25

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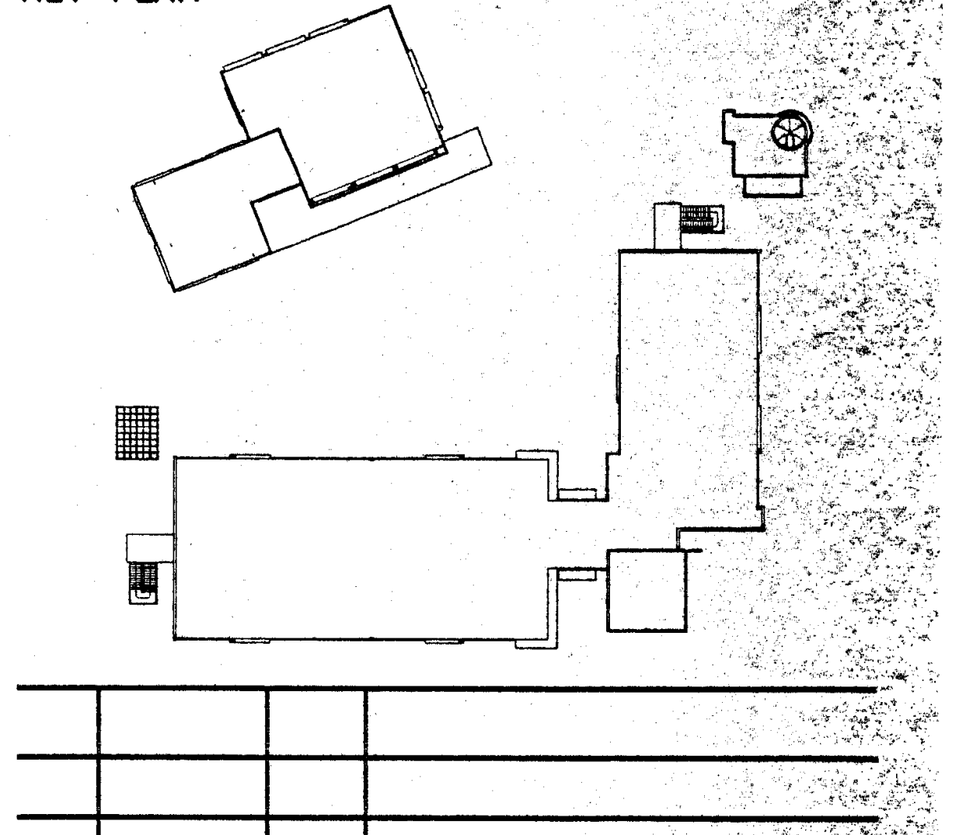
SEAL
JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01
MORRIS R. POINDEXTER
C-13900
RENEWAL DATE

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

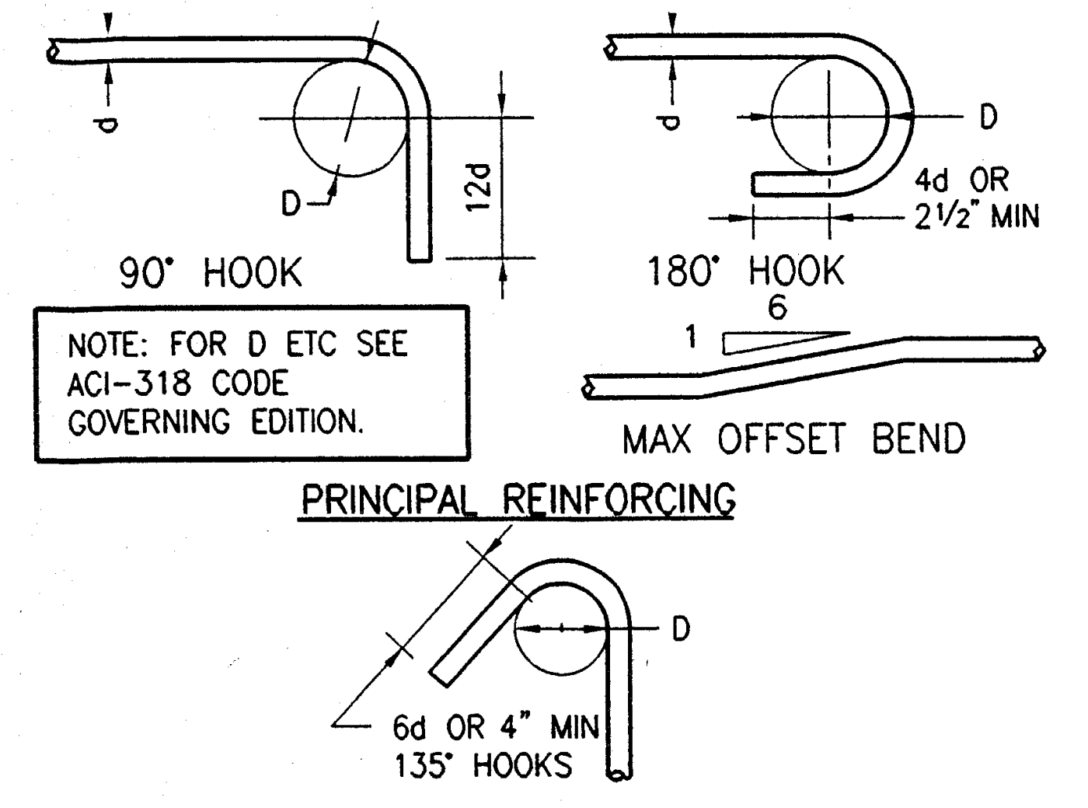
HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MATH SCIENCE TYPICAL DETAILS

FILE:	S103-552	SHEET NO.
SCALE	NONE	S1.3
JOB NO.	JGM	
DATE	07.14.97	OF SHEETS



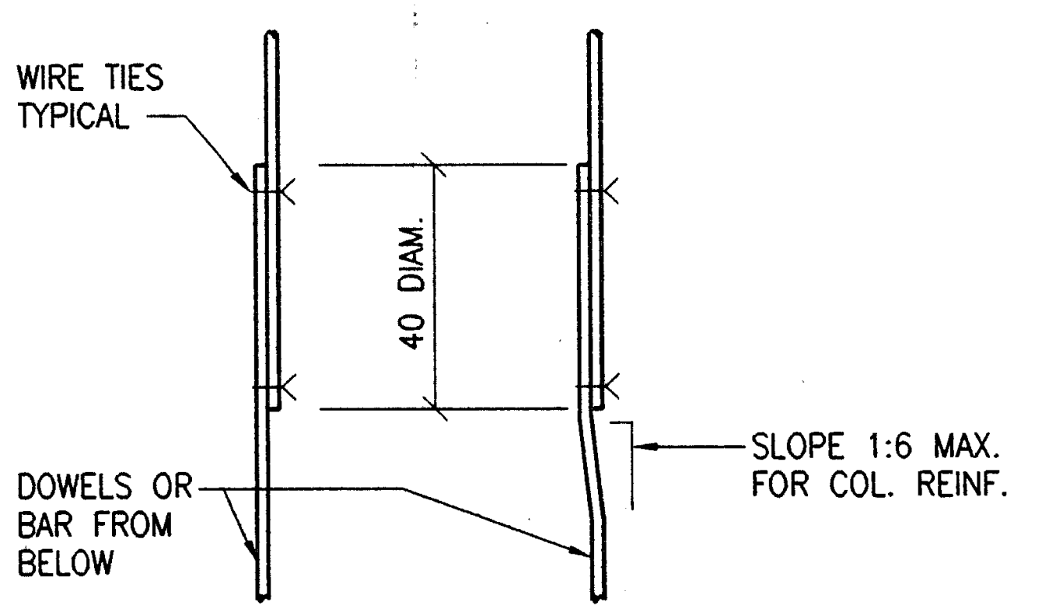
NOTE: FOR D ETC SEE ACI-318 CODE GOVERNING EDITION.

NOTES:
1. ALL BENDS SHALL BE MADE COLD
2. #14 & #18 BARS SHALL BE BEND-TESTED AND APPROVED PRIOR TO BENDING

CR01-01

BAR BENDS

6

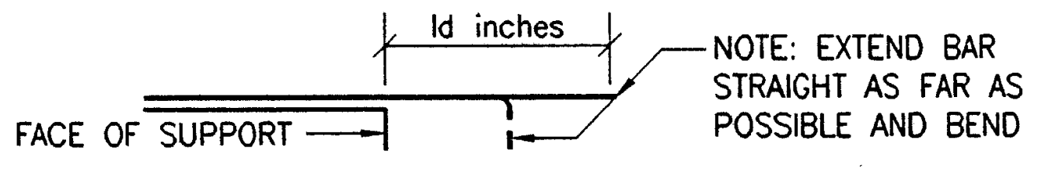


NOTES
1. ALL VERTICAL REINFORCING FOR COLUMNS, PIERS AND WALLS SHALL BE DOWELED AS SHOWN EXCEPT SPECIFIC DETAILS ON DRAWINGS SHALL GOVERN IN CASES OF CONFLICT.
2. DOWELS SHALL BE THE SAME GRADE, SIZE AND NUMBER AS VERTICAL REINFORCING.

CR01-03

VERTICAL REINF. LAP SPLICE

5



TOP BARS ARE HORIZONTAL BARS SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR

BAR DEVELOPMENT LENGTH (ld) SCHEDULE						
BAR SIZE	f'c = 3000 PSI		f'c = 4000 PSI			
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS		
#3	13	12	13	12		
#4	17	12	17	12		
#5	21	15	21	15		
#6	27	19	25	18		
#7	37	26	32	23		
#8	48	35	42	30		
#9	61	44	53	38		
#10	78	56	67	48		
#11	96	68	83	59		

CR01-05A

BAR DEVELOPMENT LENGTH

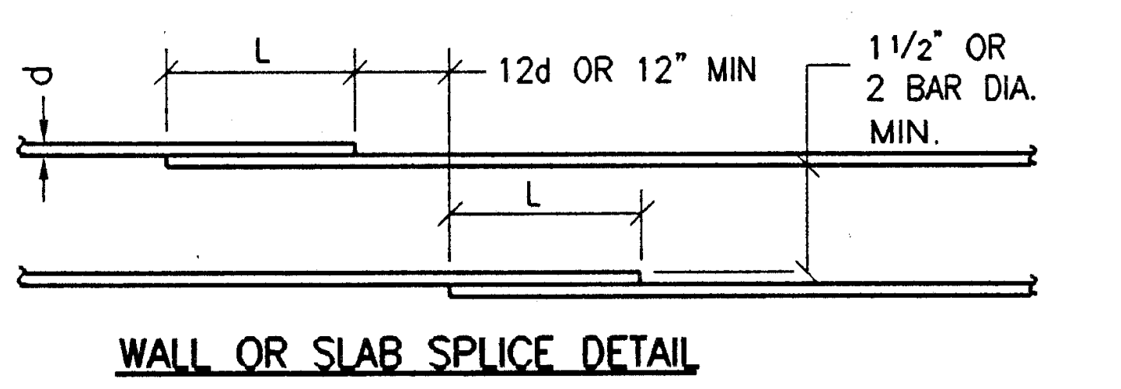
4

3

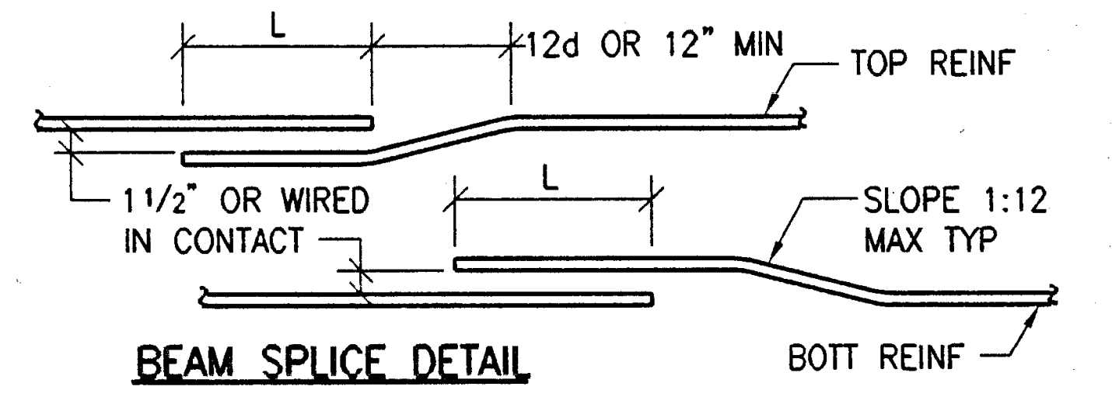
SCHEDULE I											
LOCATION IN STRUCTURE	CONC f'c PSI	STEEL GRADE KSI	BAR SIZE								
			3	4	5	6	7	8	9	10	11
			L = LAP SPLICE IN INCHES								
BOTTOM BARS OF BEAMS, JOISTS, SLAB BARS AND SPANDRELS	3000	60	16	16	20	25	34	45	57	72	89
	4000	60	16	16	20	24	30	39	49	63	77
VERTICAL WALL STEEL	3000	60	21	28	35	41	48	55	62	72	89
	4000	60	18	24	30	36	42	48	54	63	77

SCHEDULE II											
LOCATION IN STRUCTURE	CONC f'c PSI	STEEL GRADE KSI	BAR SIZE								
			3	4	5	6	7	8	9	10	11
			L = LAP SPLICE IN INCHES								
TOP BARS* OF BEAMS, JOISTS AND SPANDRELS, & SLAB TOP BARS	3000	60	16	22	27	35	48	63	80	101	124
	4000	60	16	22	27	33	41	55	69	88	108
HORIZONTAL WALL STEEL	3000	60	29	39	48	58	68	77	87	96	106
	4000	60	25	34	42	50	59	67	75	83	92

NOTES:
1. THE SCHEDULES SHOWN ON THIS DETAIL APPLY TO REGULAR WEIGHT CONCRETE @ 145 TO 150 PCF.
2. ALL SPLICES SHALL BE STAGGERED AS SHOWN. IF MORE THAN 50% OF THE REINFORCING IS LAP SPLICED WITHIN THE DISTANCE SHOWN, THE LAP SPLICE LENGTH SHALL BE INCREASED 33%. (EQUAL TO CLASS C LAP). SPLICES MUST BE STAGGERED IN WALLS
3. LAP SPLICES LISTED IN THE SCHEDULE ARE CLASS B LAPS (EXCEPT WALL STEEL)
4. THE SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZE BARS.
5. LAP LENGTHS SPECIFICALLY DETAILED ON DRAWINGS SHALL GOVERN IN LIEU OF THE LAP LENGTHS SCHEDULED.
6. THE CONTRACTOR, AT HIS OPTION, MAY USE A BUTT WELDED SPLICE IN LIEU OF THE LAP SPLICE SHOWN–SEE DETAIL.
7. * TOP BARS ARE HORIZONTAL BARS PLACED SO THAT 12" OR MORE OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR. USE SCHEDULE II FOR LAP LENGTHS FOR TOP BARS IN SLABS WHERE MORE THAN 12" OF CONCRETE IS CAST BELOW THEM.
8. ALL DETAILING AND PLACING OF REINFORCING SHALL COMPLY WITH THE LAP SPLICE SCHEDULES AND DETAILS, UNLESS SPECIFICALLY DETAILED OTHERWISE ON THE DRAWINGS.
9. ALL WALL BAR SPLICES SHALL BE STAGGERED
10. JAMB BARS MAY BE LAPPED 100% AT ONE POINT IF LAPS ARE INCREASED 33%
11. CHORD AND DRAG BARS SHALL BE LAPPED AS WALL STEEL WITH BOTTOM AND TOP BARS CORRESPONDING TO VERTICAL AND HORIZONTAL BARS RESPECTIVELY.



WALL OR SLAB SPLICE DETAIL



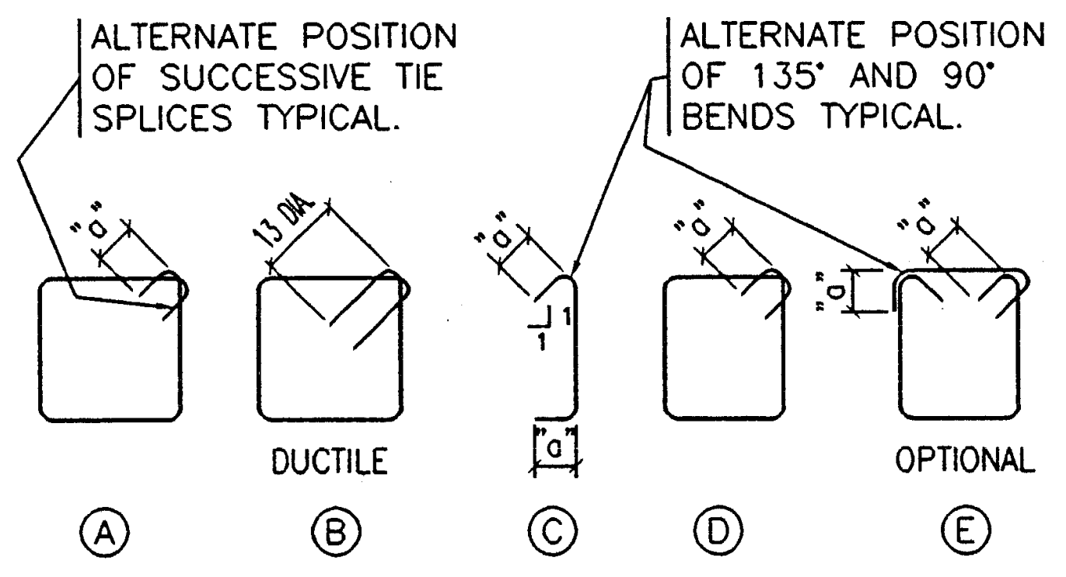
BEAM SPLICE DETAIL

REGULAR WEIGHT CONCRETE REINFORCING LAP SPLICE SCHEDULE

7

12

NOTE: FOR SIZE AND SPACING OF ALL TIES AND STIRRUPS, REFER TO SCHEDULE AND/OR DETAILS TYPICAL.



TYPICAL COLUMN TIES | BEAM STIRRUPS

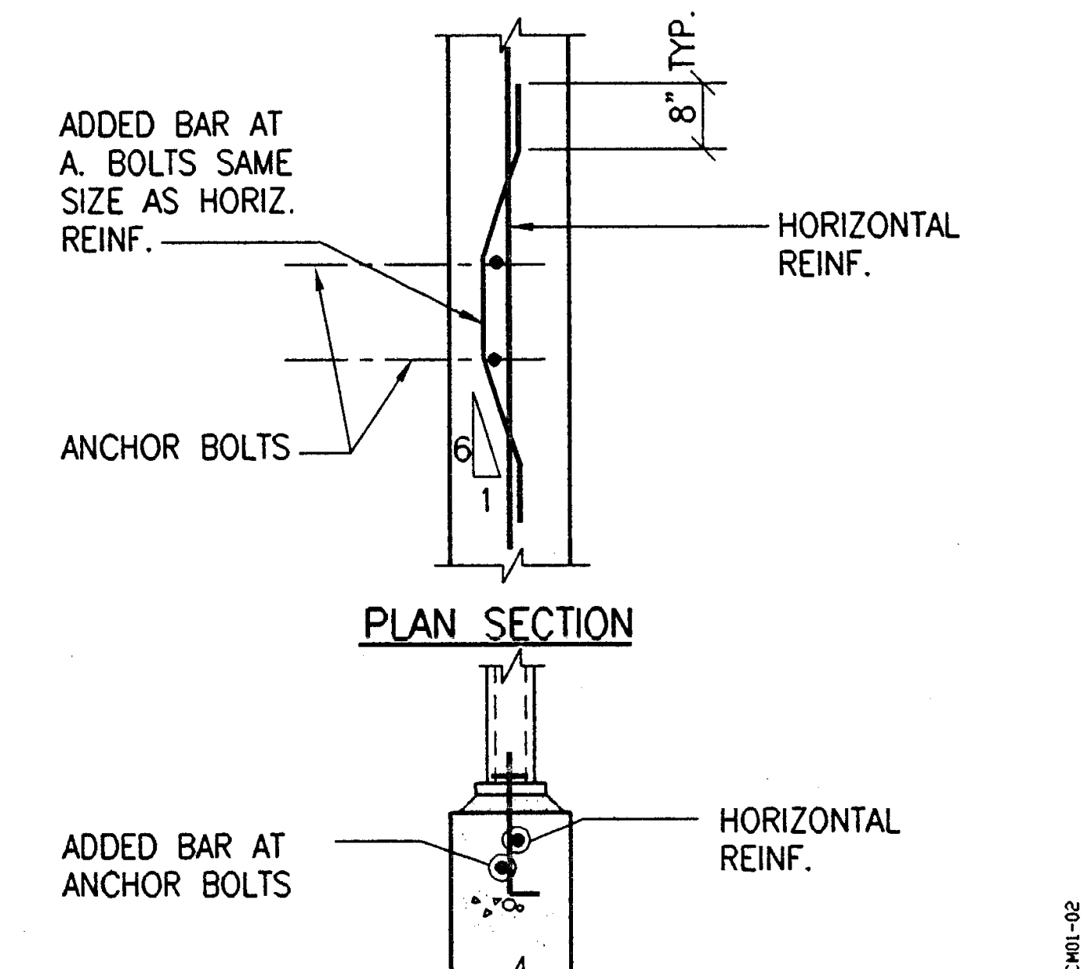
DIMENSION "a" FOR #3 TIES = 5"
FOR #4 TIES = 5½"
FOR #5 TIES = 6"

CB01-01

TYPICAL COLUMN TIES AND BEAM STIRRUPS

11

10

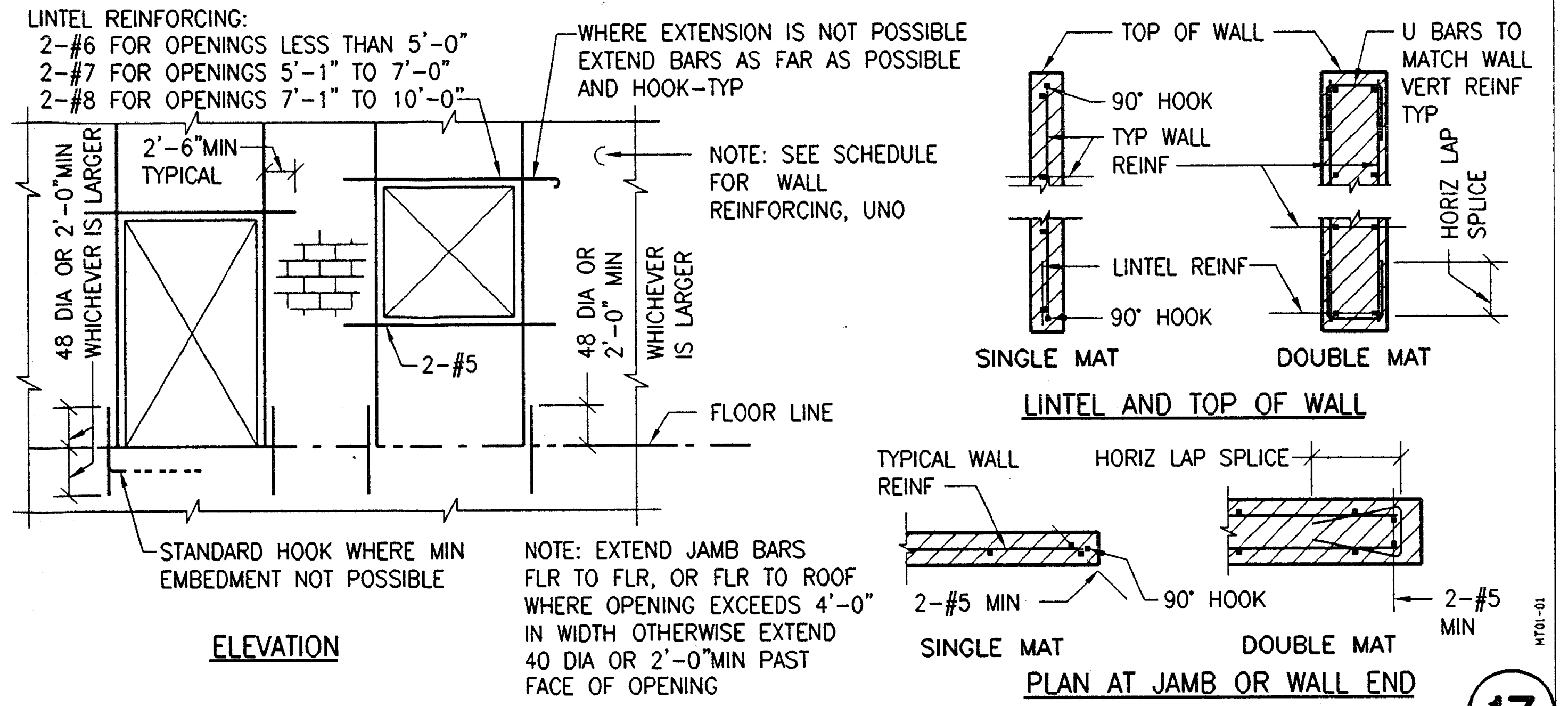


CM01-02

ADDED REBAR AT COLUMN ANCHORAGE

9

LINTEL REINFORCING:
2-#6 FOR OPENINGS LESS THAN 5'-0"
2-#7 FOR OPENINGS 5'-1" TO 7'-0"
2-#8 FOR OPENINGS 7'-1" TO 10'-0"

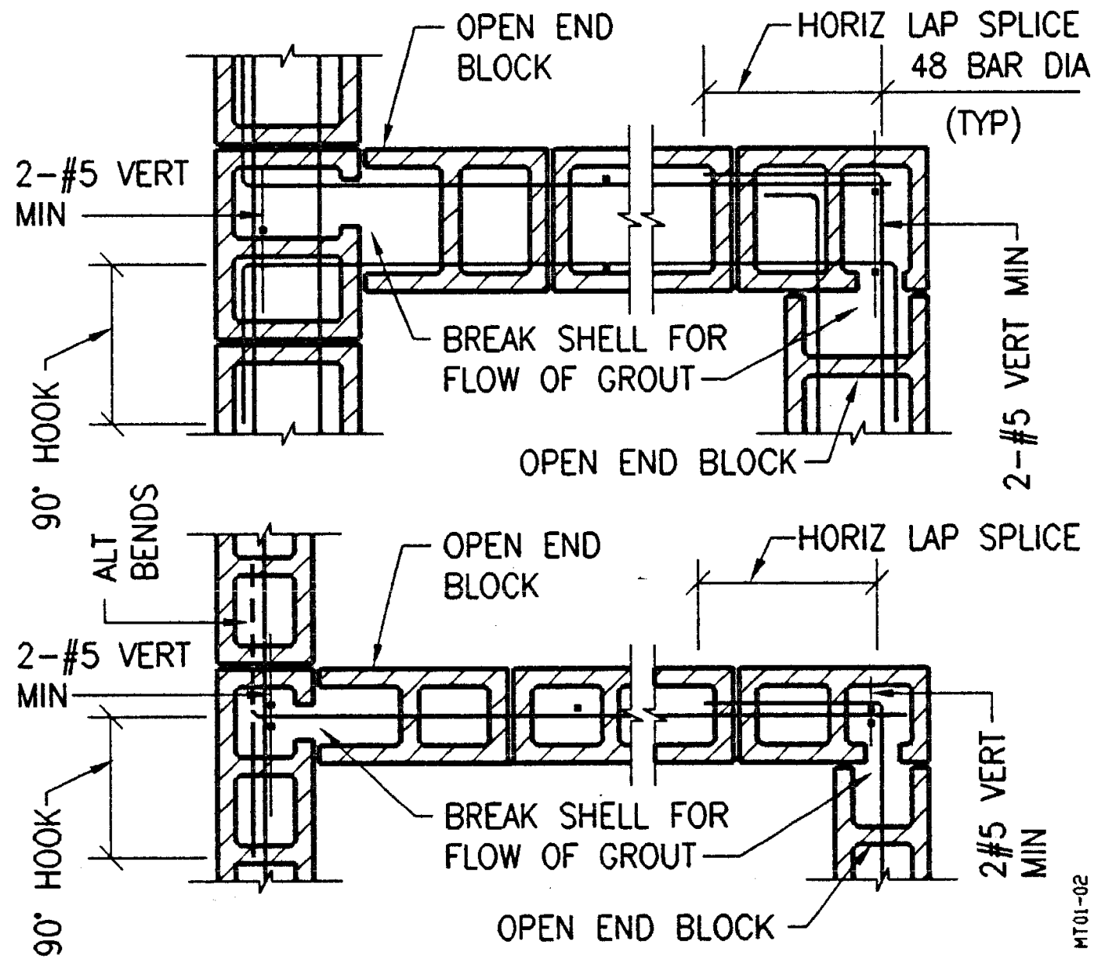


NOTE: EXTEND JAMB BARS FLR TO FLR, OR FLR TO ROOF WHERE OPENING EXCEEDS 4'-0" IN WIDTH OTHERWISE EXTEND 40 DIA OR 2'-0"MIN PAST FACE OF OPENING

MT01-01

MINIMUM REINFORCING AT CONCRETE & MASONRY WALL OPENINGS

17



MT01-02

CONCRETE MASONRY WALL INTERSECTIONS

16

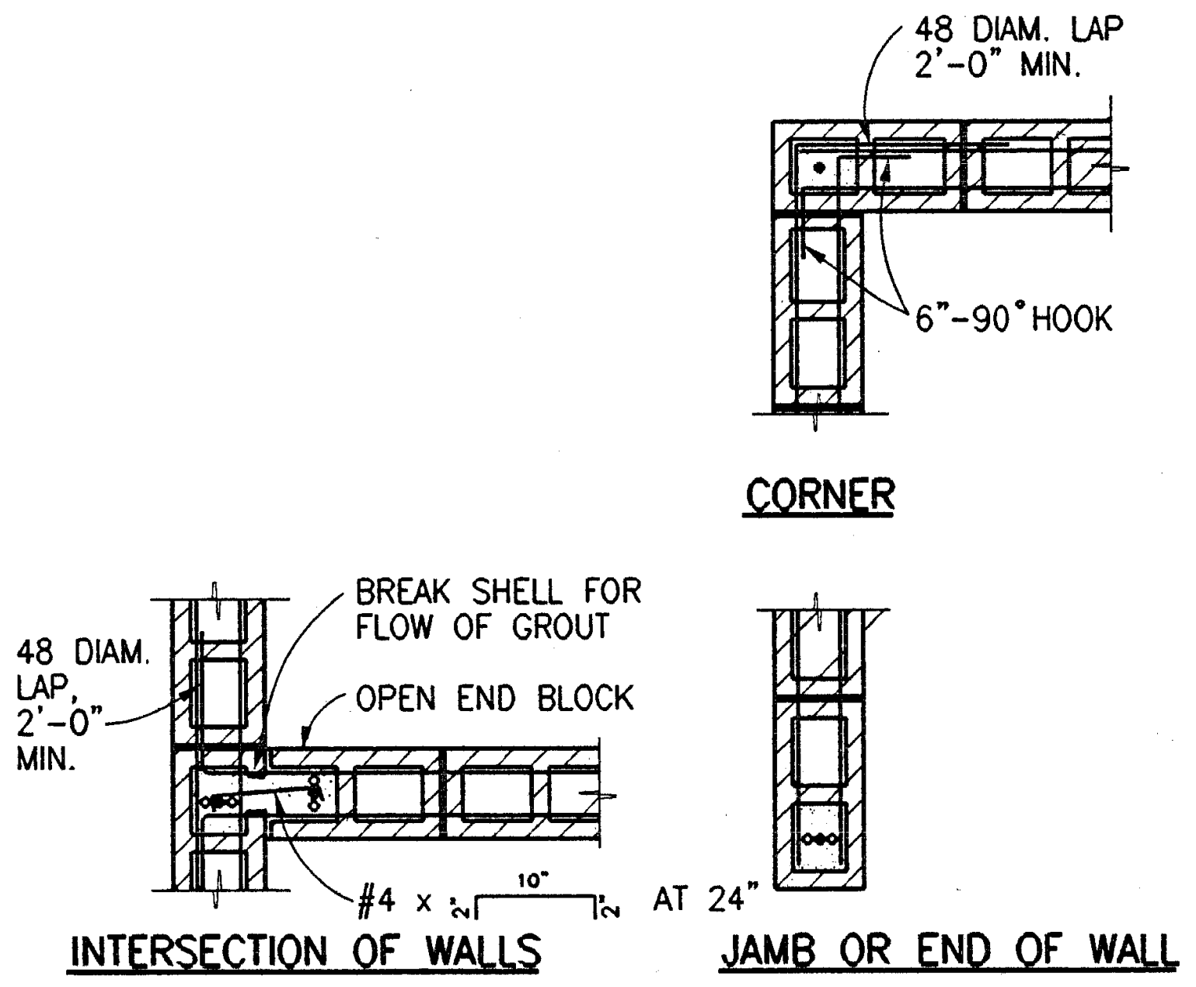
CMU WALL REINFORCING SCHEDULE				
WALL THICKNESS (INCHES)	BAR SIZE & SPACING EACH MAT			MAXIMUM HEIGHT
	HORIZ	VERT	REMARKS	
*6	#4 @ 24"	#4 @ 24"	SINGLE MAT	12'-0"
*8	#5 @ 24"	#5 @ 24"	SINGLE MAT	12'-0"
*8	#5 @ 24"	#5 @ 24"	SINGLE MAT	19'-0"
*8	#5 @ 24"	#7 @ 16"	SINGLE MAT	25'-0"

NOTES:
1. * INDICATES CONTINUOUS INSPECTION REQUIRED
2. THE ABOVE IS MINIMUM REINFORCING FOR ALL CONCRETE MASONRY ELEMENTS
3. SINGLE MAT REINFORCING SHALL BE IN CENTER OF WALL UNLESS OTHERWISE DETAILED
4. ALL CELLS SHALL BE GROUTED SOLID
5. ALL WALLS TO BE RUNNING BOND.

MT01-03

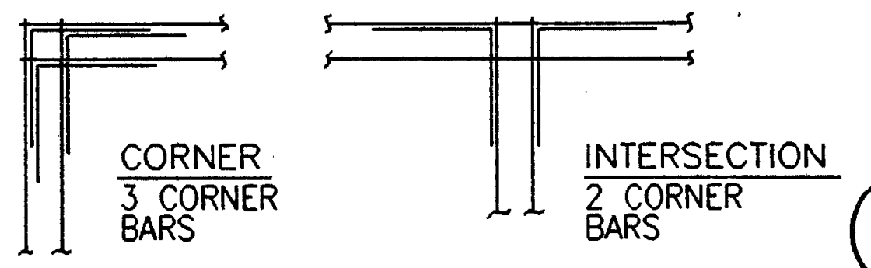
INTERIOR NON-BEARING CONCRETE MASONRY WALL MINIMUM REINFORCING SCHEDULE

15

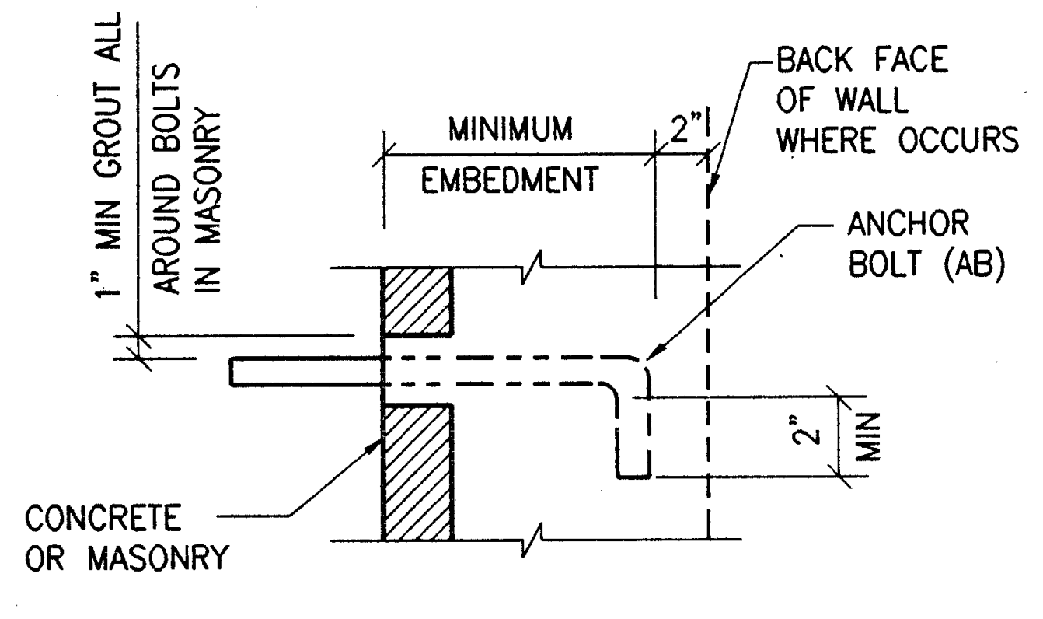


MINIMUM MASONRY REINFORCING DETAILS

NOTES:
1. WHERE VERT. OR HORIZ. BARS ARE SHOWN IN THIS DETAIL, PROVIDE BARS OF SAME SIZE AND DETAIL AS SHOWN ON DRAWINGS FOR WALLS. WHERE SIZE IS NOT SHOWN, USE AT LEAST #5 VERTS. AND #4 HORIZ.
2. (•) INDICATES LOCATION OF VERT. BARS PLACED AT CENTERLINE OF WALL. (1 BAR PER CELL) (◦) INDICATES LOCATION OF VERT BARS PLACED AT EACH FACE OF WALL. (2 BARS PER CELL) SEE DRAWINGS FOR VERT. REINF.
3. EXTEND MCJ FULL HEIGHT OF MASONRY WALL. ALL HORIZONTAL REINF. TERMINATES AT MCJ EXCEPT FOR BOND BEAM REINF. AT FLOORS AND ROOFS, WHICH EXTEND CONTINUOUS THRU. LOCATE MCJ'S PER PLAN, (DO NOT LOCATE WITHIN 2'-0" OF OPENING)
4. AT CONTRACTORS OPTION, CORNER BARS MAY BE USED TO LAP (48DIA. MIN.) W/ HORIZ. REINF. AS FOLLOWS:



13



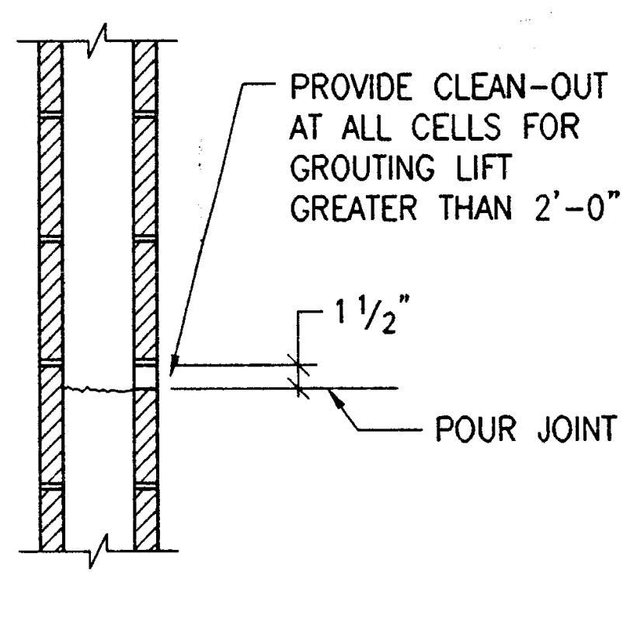
NOTE: MINIMUM BOLT SPACING SHALL BE 12 BOLT DIAMETERS WITH A MINIMUM EDGE DISTANCE OF 6 DIAMETERS AND WITH A MIN OF 6" TO END OF WALL

BOLT SIZE	EMBEDMENT
1/2"	4"
5/8"	4"
3/4"	5"
7/8"	6"
1"	7"

MT01-04

BOLT EMBEDMENT SCHEDULE

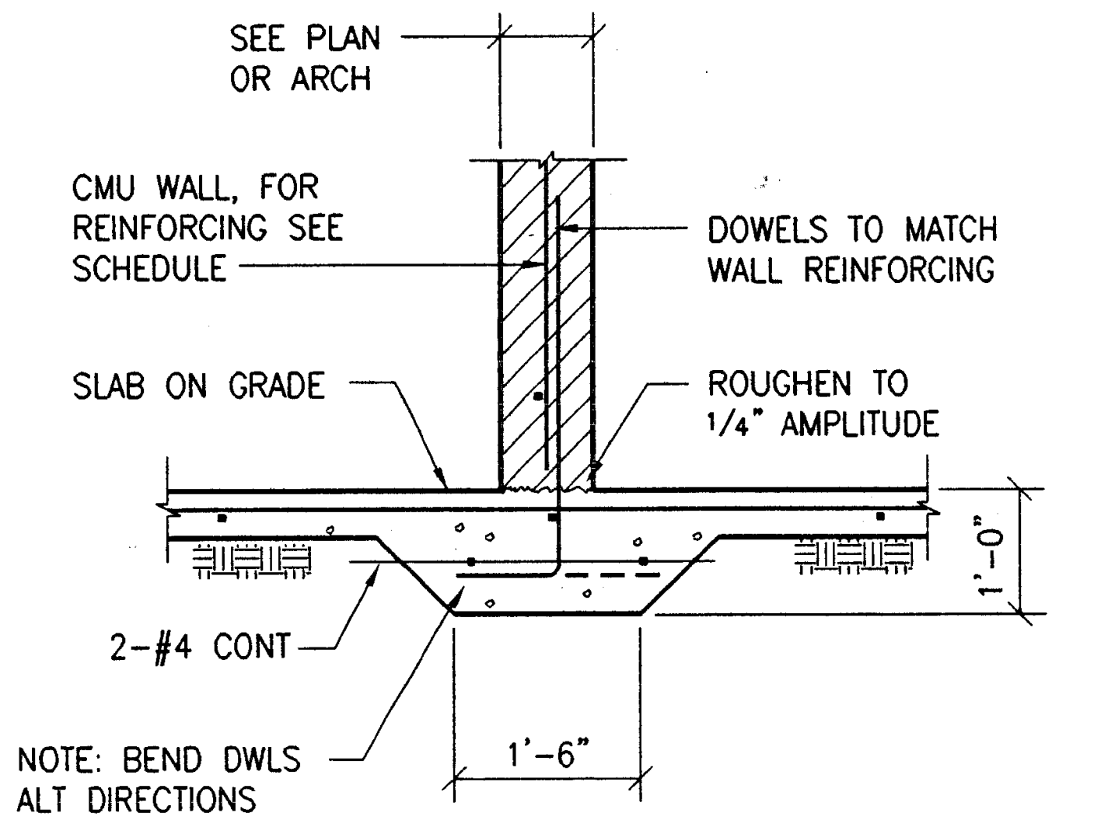
23



MT01-07

VERTICAL CONSTRUCTION JOINT IN MASONRY WALL

22

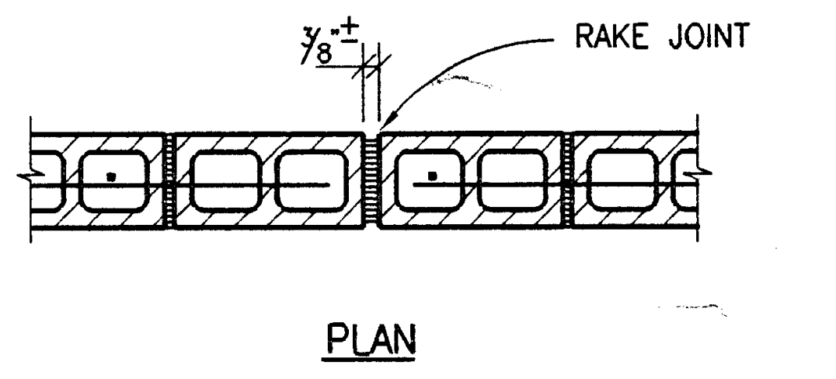


NOTE: BEND DWLS ALT DIRECTIONS

MT01-08

NON-BEARING CMU FOOTING

21



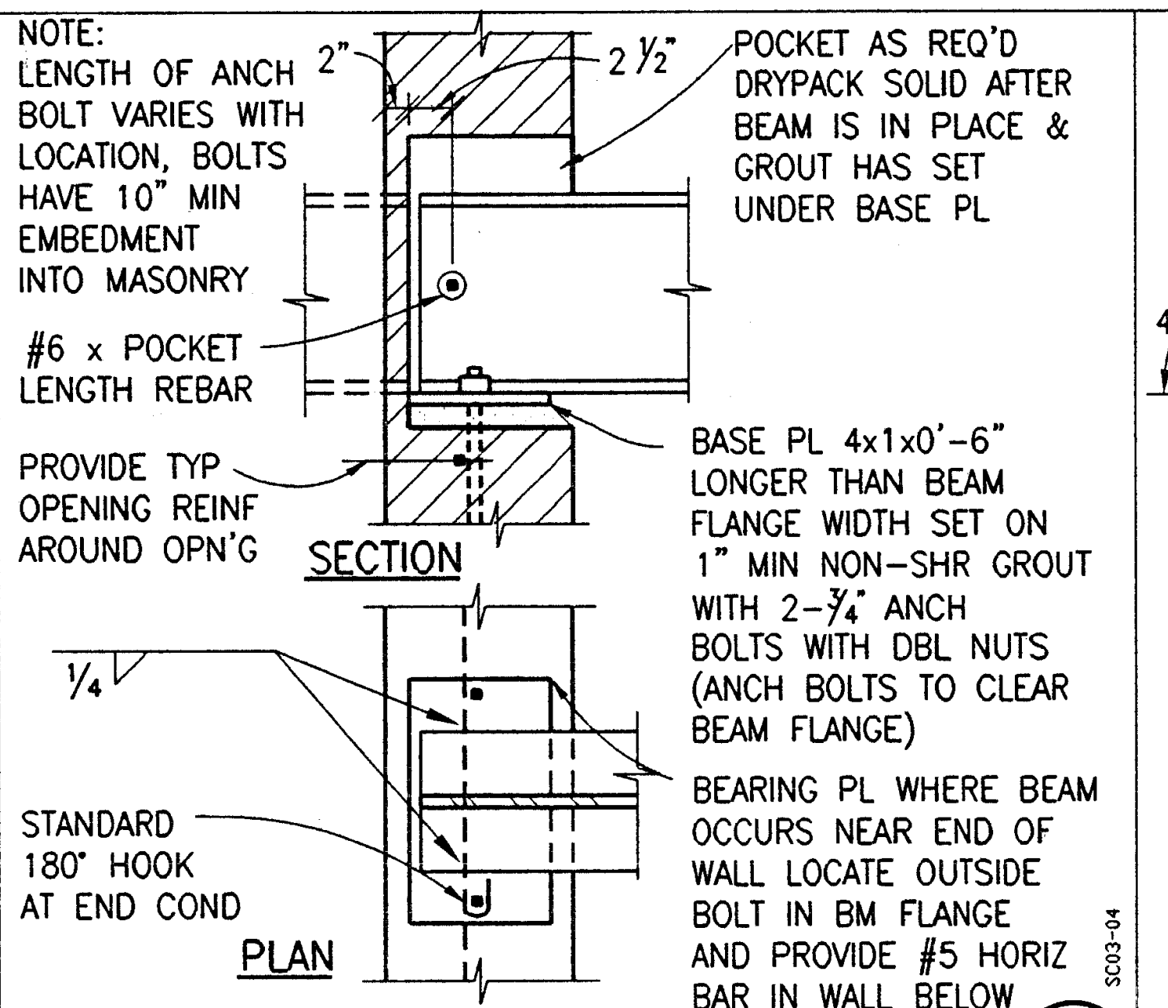
NOTES
1. PROVIDE JOINTS AT INTERVALS NOT TO EXCEED 24 FEET EXCEPT AS NOTED.

MT01-09

CONCRETE BLOCK: CONTROL JOINT IN FREESTANDING WALL

20

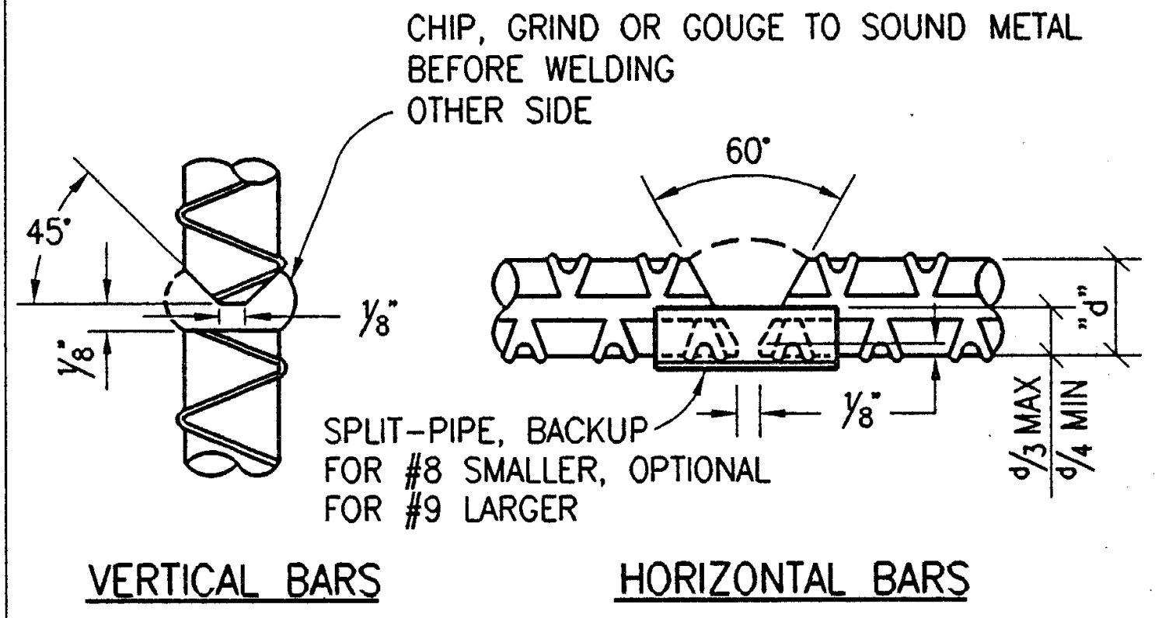
NOTE:
LENGTH OF ANCH BOLT VARIES WITH LOCATION, BOLTS HAVE 10" MIN EMBEDMENT INTO MASONRY



SC03-04

BEAM CONNECTION AT CONCRETE OR MASONRY WALL

19

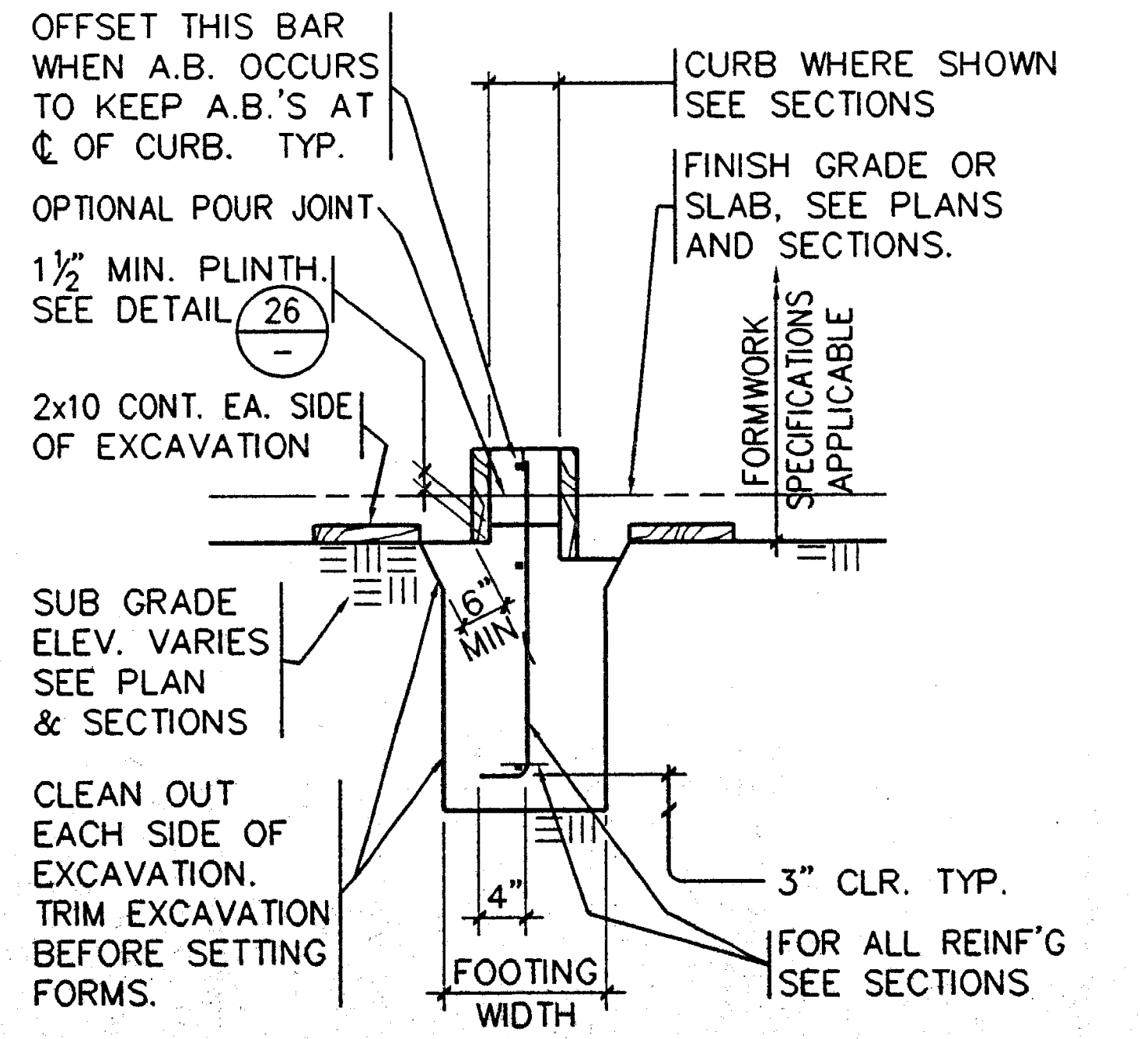


CR01-08A

ALTERNATE WELDED REINFORCING BARS

18

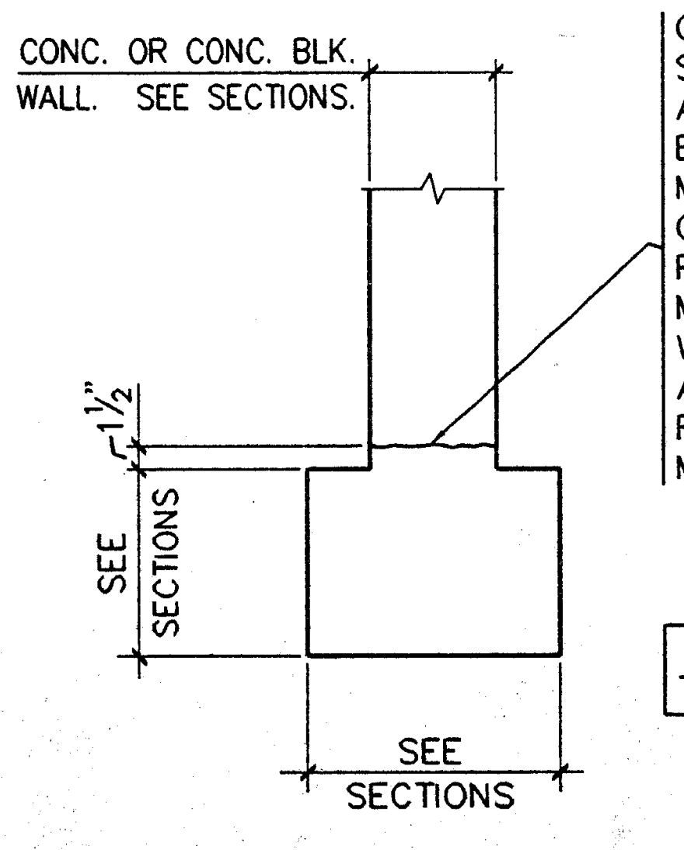
24



NOTES:
1. CHECK SITE CONDITIONS AND REVIEW SOIL TYPE WITH STRUCTURAL ENGINEER.
2. FOOTING EXCAVATION MUST BE CLEAN WHEN CONCRETE IS POURED.
3. METHOD OF FORMING CURB TO BE DETERMINED BY CONTRACTOR. NO STAKES IN TRENCH PERMITTED.

TYPICAL TRENCH FOOTING DETAIL

25

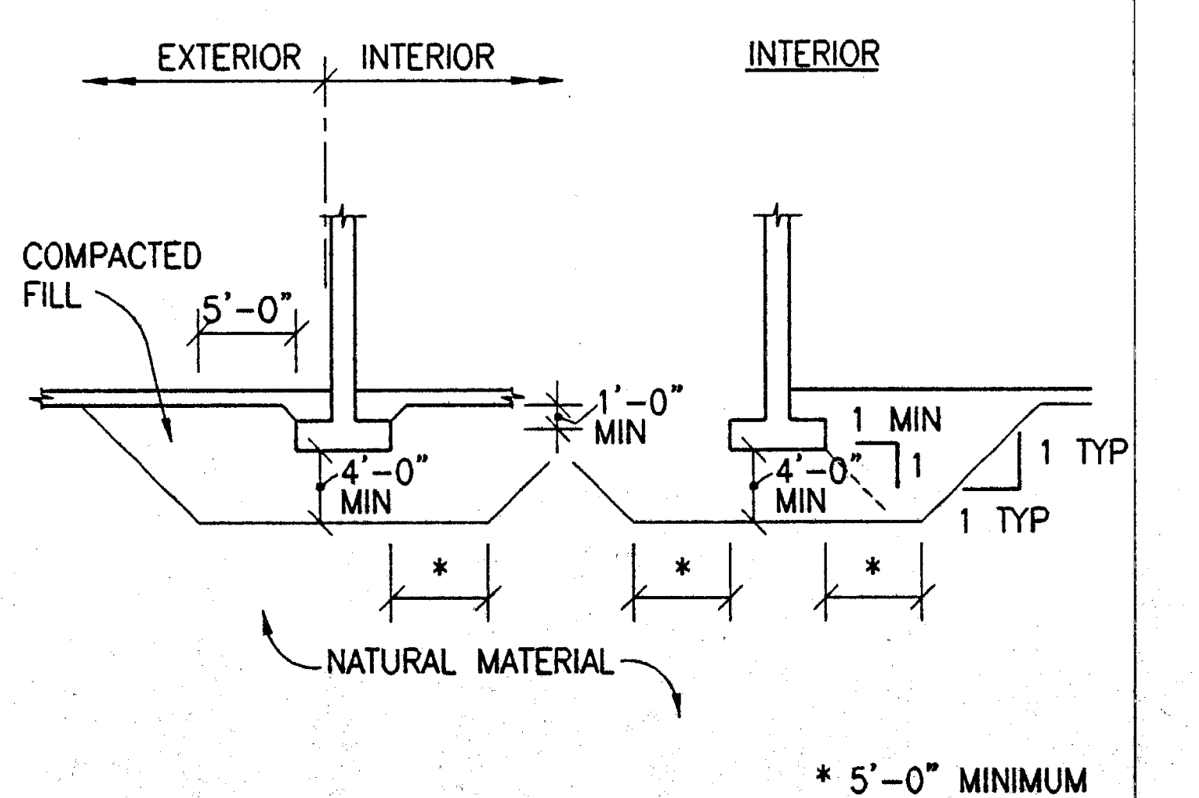


CLEAN AND ROUGHEN SURFACE EXPOSING AGGREGATE FIRMLY EMBEDDED IN THE MORTAR MATRIX. (AT CONC. WALLS THE POUR JOINT IS MANDATORY UNLESS WALL AND FOOTING ARE COMPLETELY FORMED AND POURED MONOLITHICALLY).

NO STAKES IN TRENCH PERMITTED.

TYPICAL PLINTH AT FORMED FOOTING

26



* 5'-0" MINIMUM
NOT TO SCALE

27

IDENTIFICATION STAMP
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APPL 69120
AC ___ FLS ___ SS
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07/10/97 PR0203-1 S1.4 3/4"=1'-0" [illegible]
PLOT DATE: 07.11.97

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JOHN A. MARTIN
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1212 SOUTH FLOWER STREET
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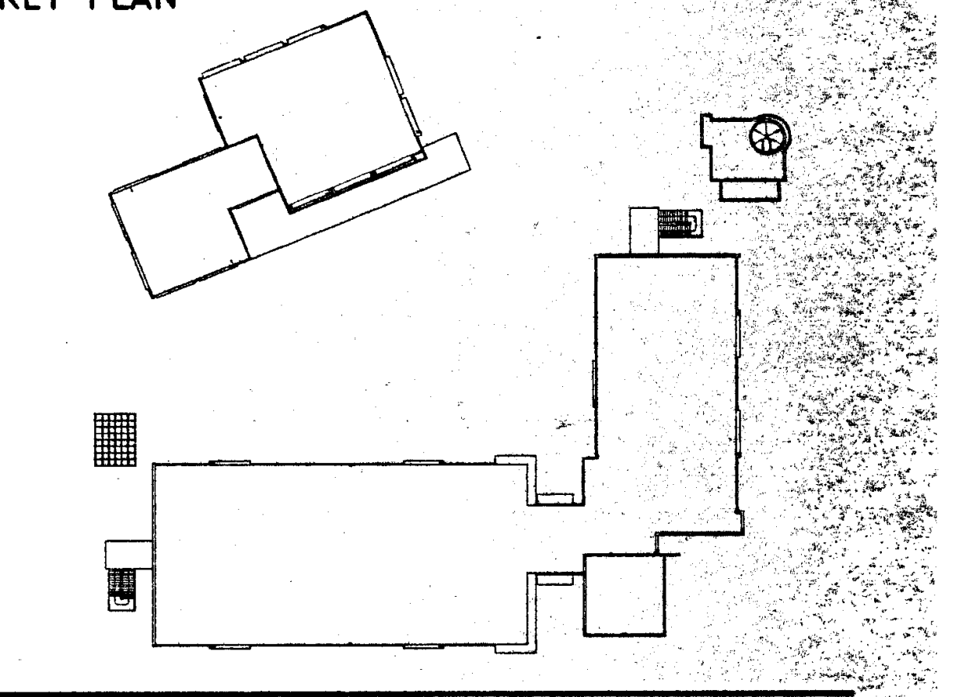
KEY PLAN



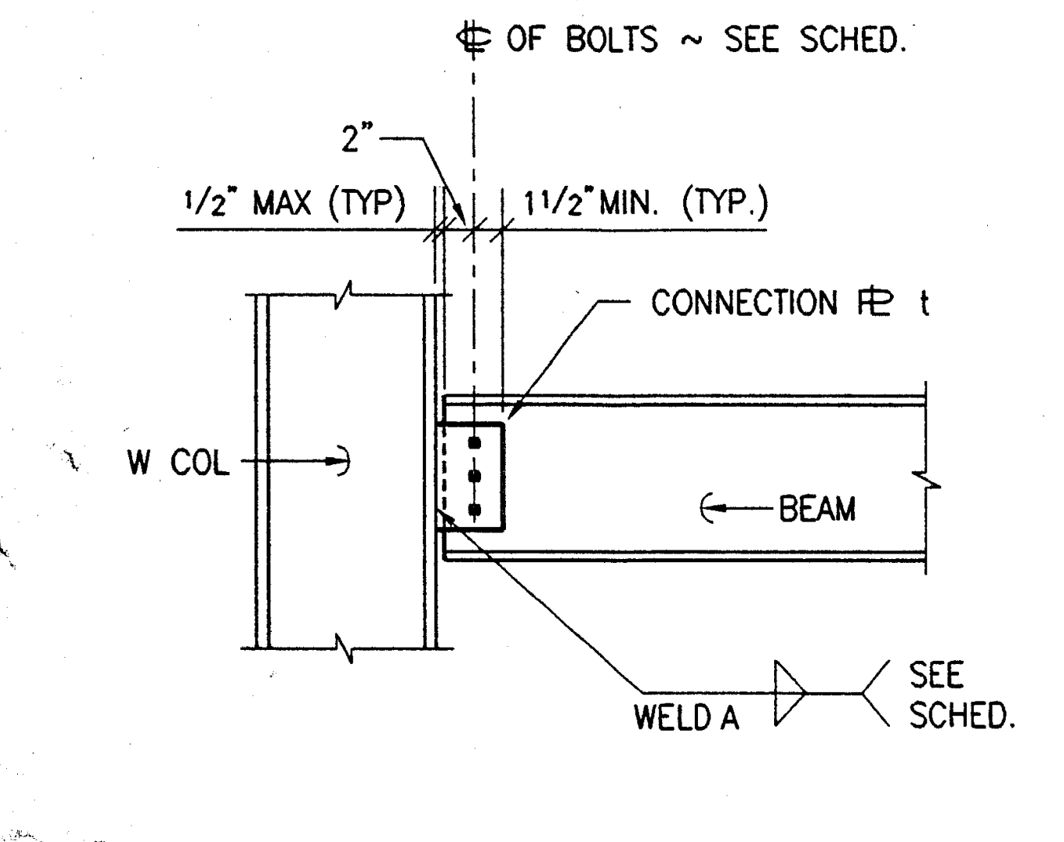
NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

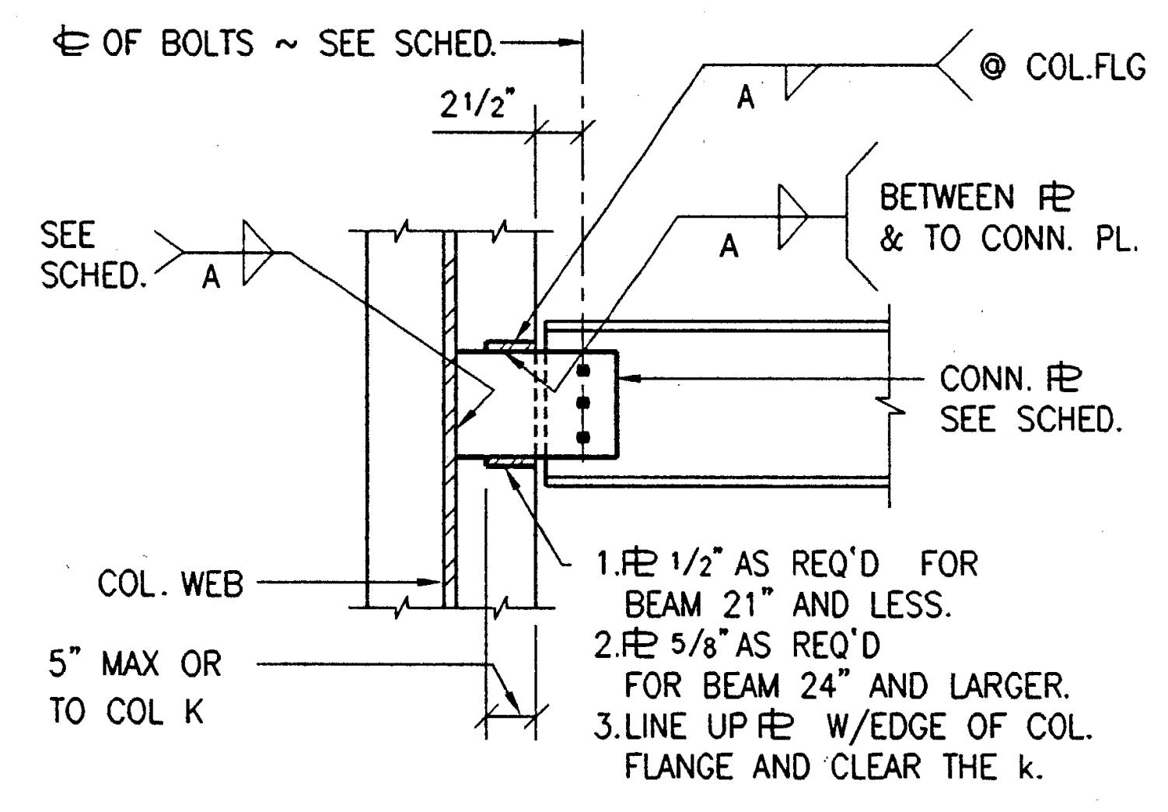
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE
TYPICAL DETAILS

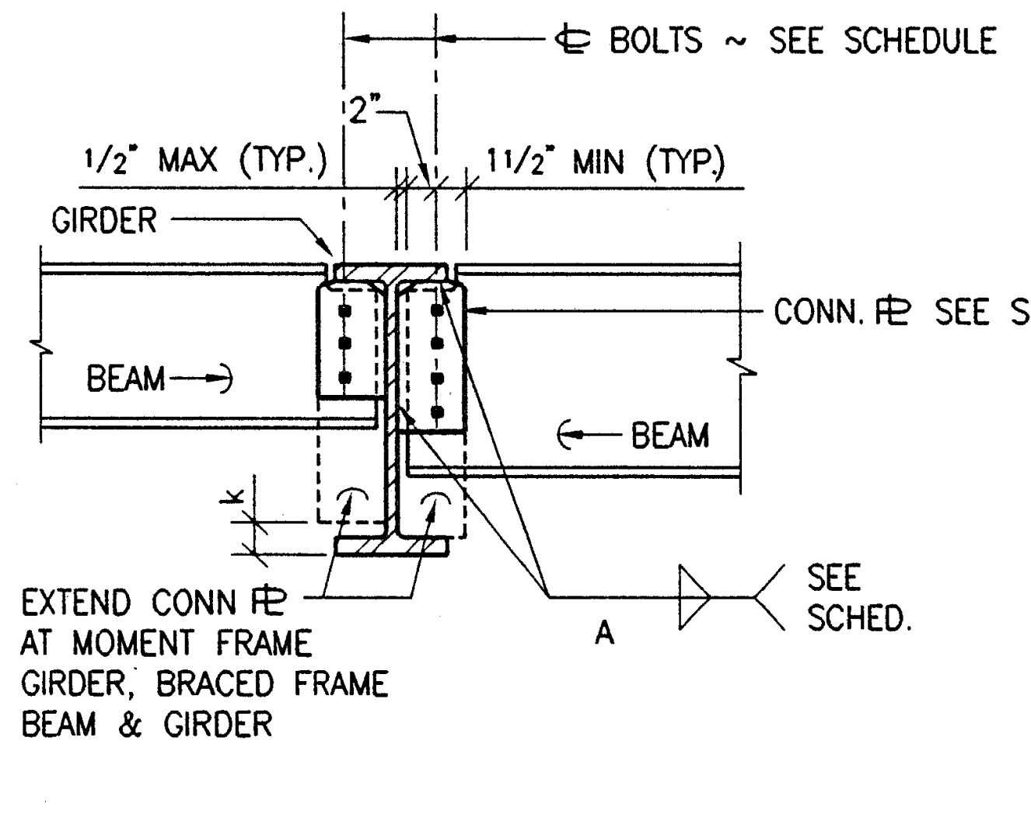
FILE: S104-552
SCALE NONE
JOB NO. JGM
DATE 07.14.97
SHEET NO. S1.4
OF ___ SHEETS



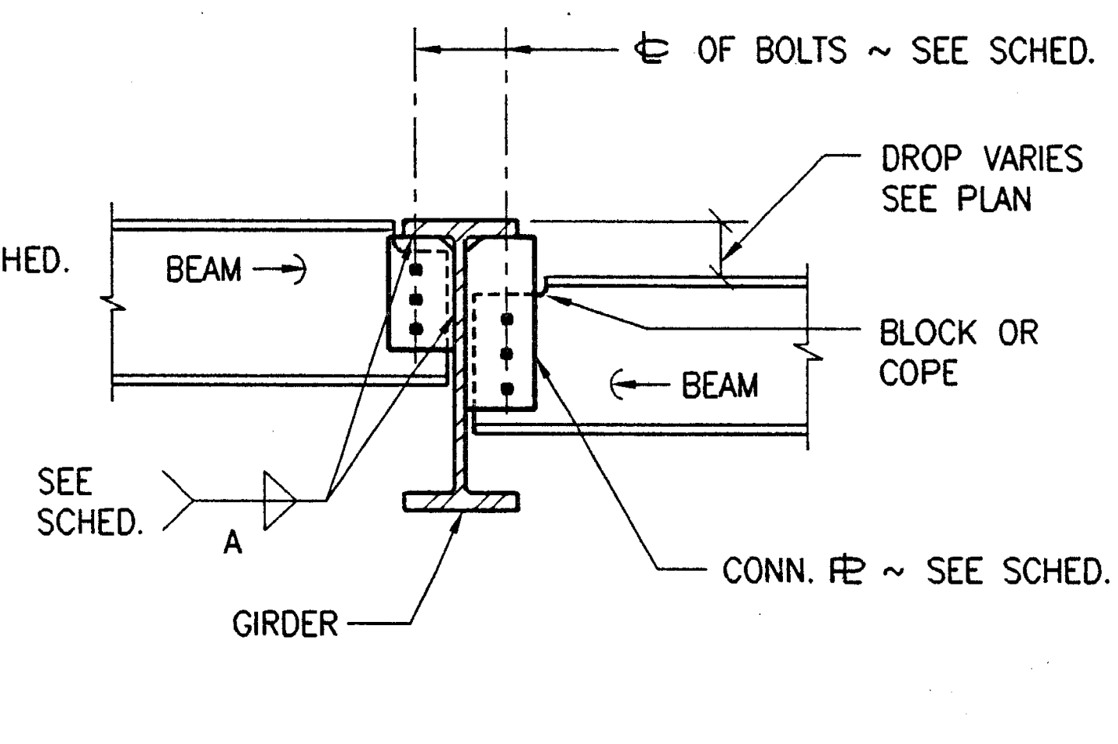
BEAM TO COLUMN FLANGE (A)



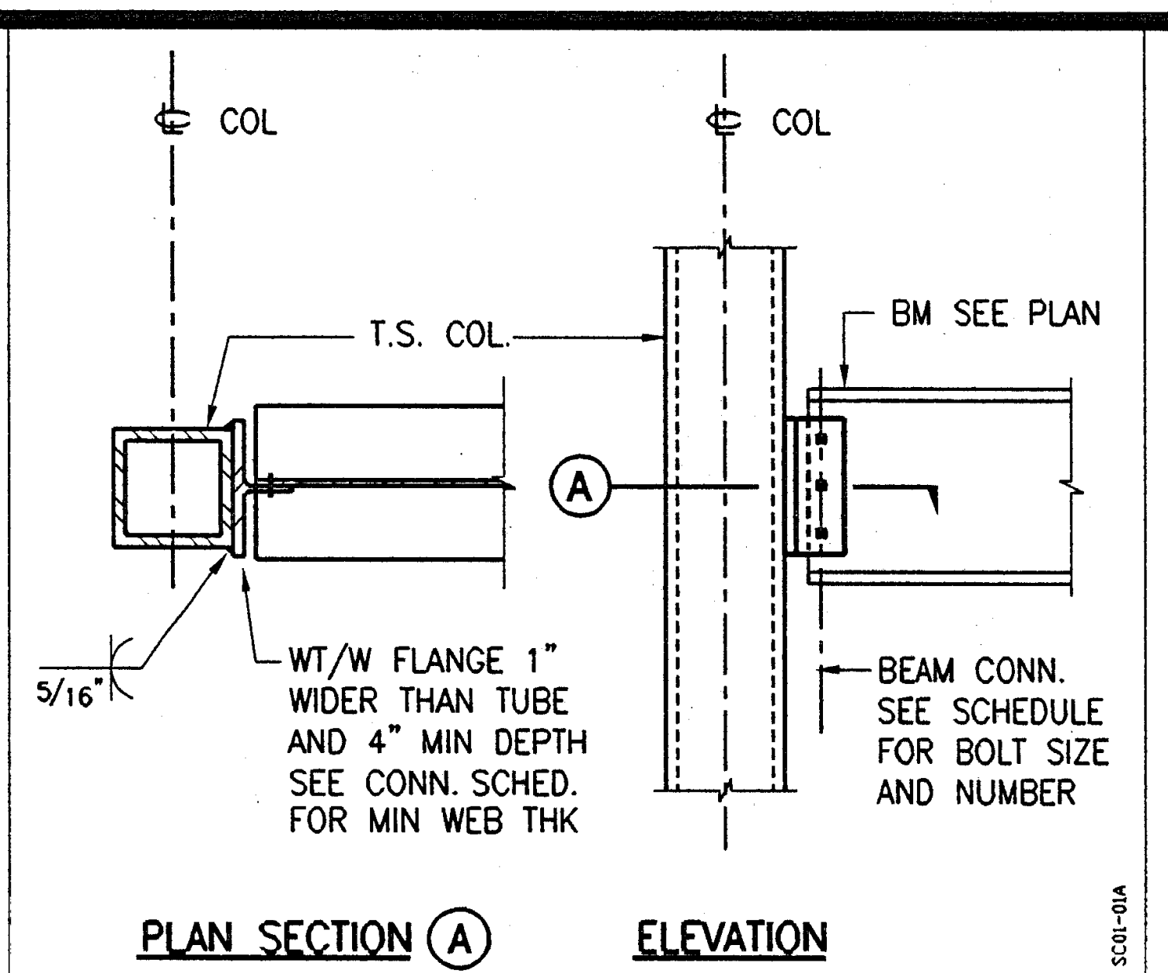
BEAM TO COLUMN WEB (B)



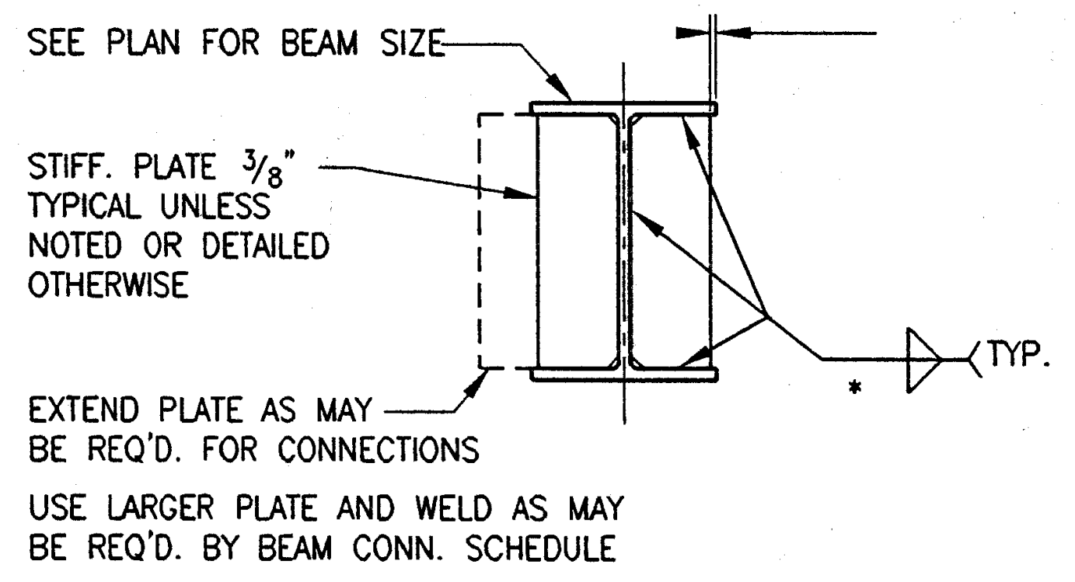
TYPICAL BEAM (C)



DROPPED BEAM (D)



WF BEAM TO T.S. COLUMN (2)



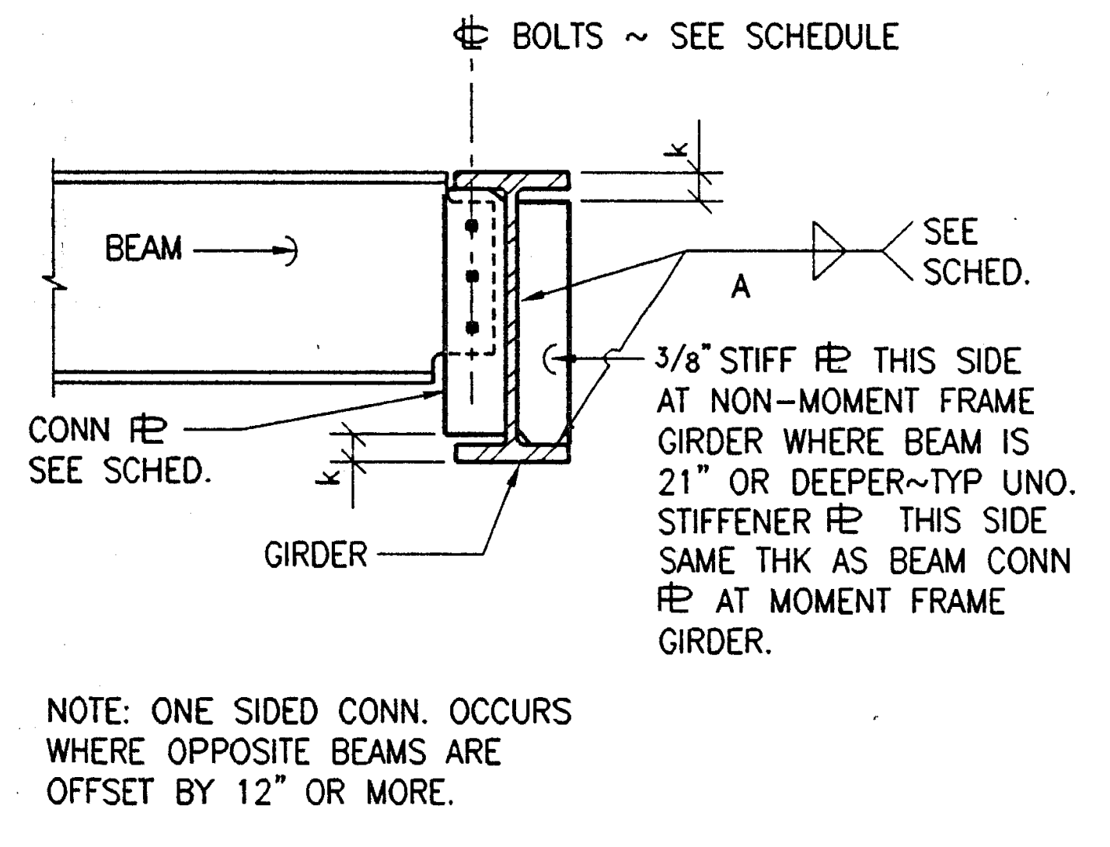
EXTEND PLATE AS MAY BE REQ'D. FOR CONNECTIONS

USE LARGER PLATE AND WELD AS MAY BE REQ'D. BY BEAM CONN. SCHEDULE

* MINIMUM SIZE OF FILLET WELDS	
MATERIAL THICKNESS OF THICKER PART JOINED (IN.)	MINIMUM SIZE OF FILLET WELD* (IN.)
TO 1/4 INCLUSIVE	1/8
OVER 1/4 TO 1/2	3/16
OVER 1/2 TO 3/4	1/4
OVER 3/4	5/16

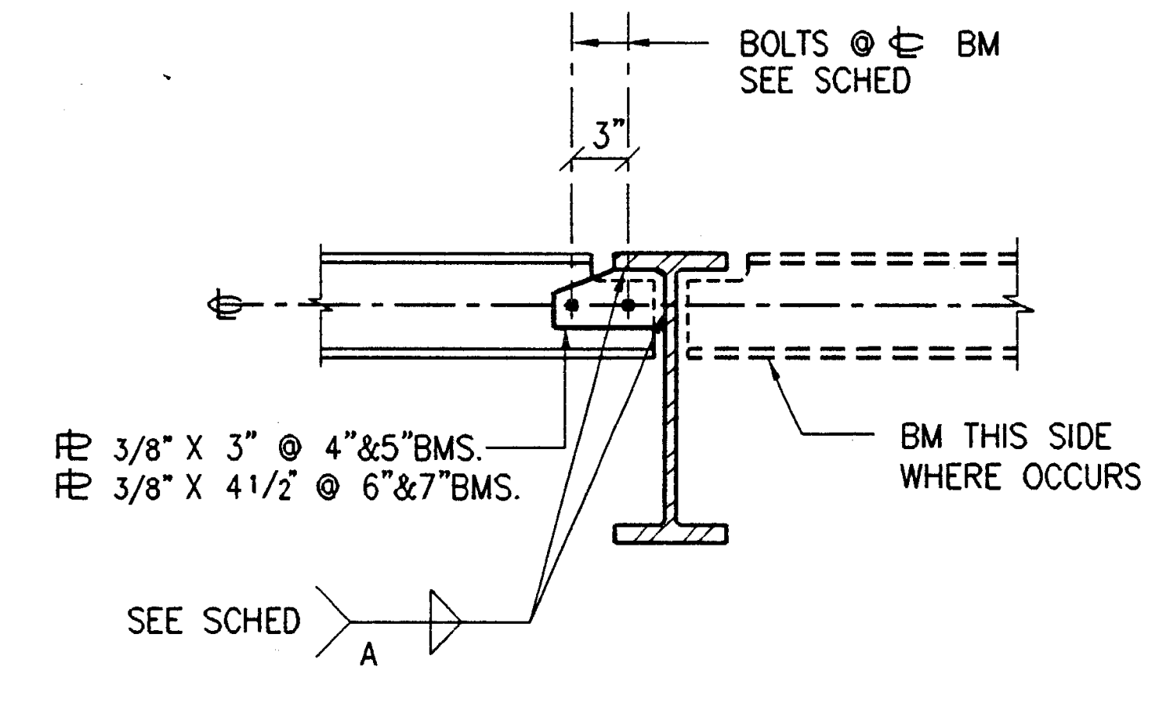
*LEG DIMENSION OF FILLET WELDS. SINGLE-PASS WELDS MUST BE USED.

STIFFENER PLATES (1)



NOTE: ONE SIDED CONN. OCCURS WHERE OPPOSITE BEAMS ARE OFFSET BY 12" OR MORE.

ONE SIDE BEAM CONNECTION (E)



BEAM 4" TO 7" (F)

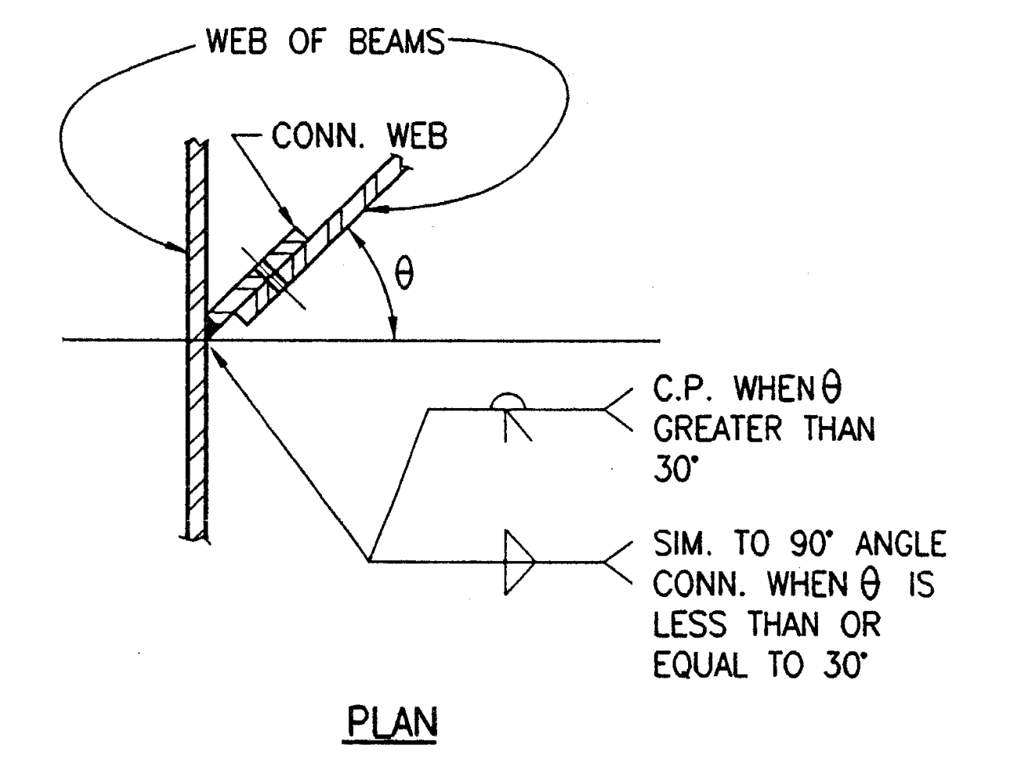
SIMPLE BEAM CONNECTION SCHEDULE			
SHEAR ⅊ CONNECTION			
MEMBER (DEPTH)	# OF BOLTS 1"ø A325	CONN PL t	WELD SIZE A
< 8"	2	3/8"	1/4"
8" - 10"	2	3/8"	1/4"
12" - 14"	3	3/8"	1/4"
15" - 16"	4	3/8"	1/4"
18"	5	3/8"	1/4"
20" & 21"	5	1/2"	1/4"
24"	6	5/8"	5/16"

NOTES:

1. FILLET WELD SIZE SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY A.I.S.C. TABLE 1.17. 2A.
2. ALL BOLTS ARE 1"ø (UNLESS NOTED OTHERWISE) AND ARE TO BE A 325SC BOLTS.
3. DOUBLE ANGLES MAY BE SUBSTITUTED FOR CONNECTOR PLATES, PROVIDED THEY MEET OR EXCEED THE REQUIREMENTS OF THE A.I.S.C.
4. CONNECTION ⅊'s TO BE SAME GRADE MATERIAL AS BEAM.

SC01-01

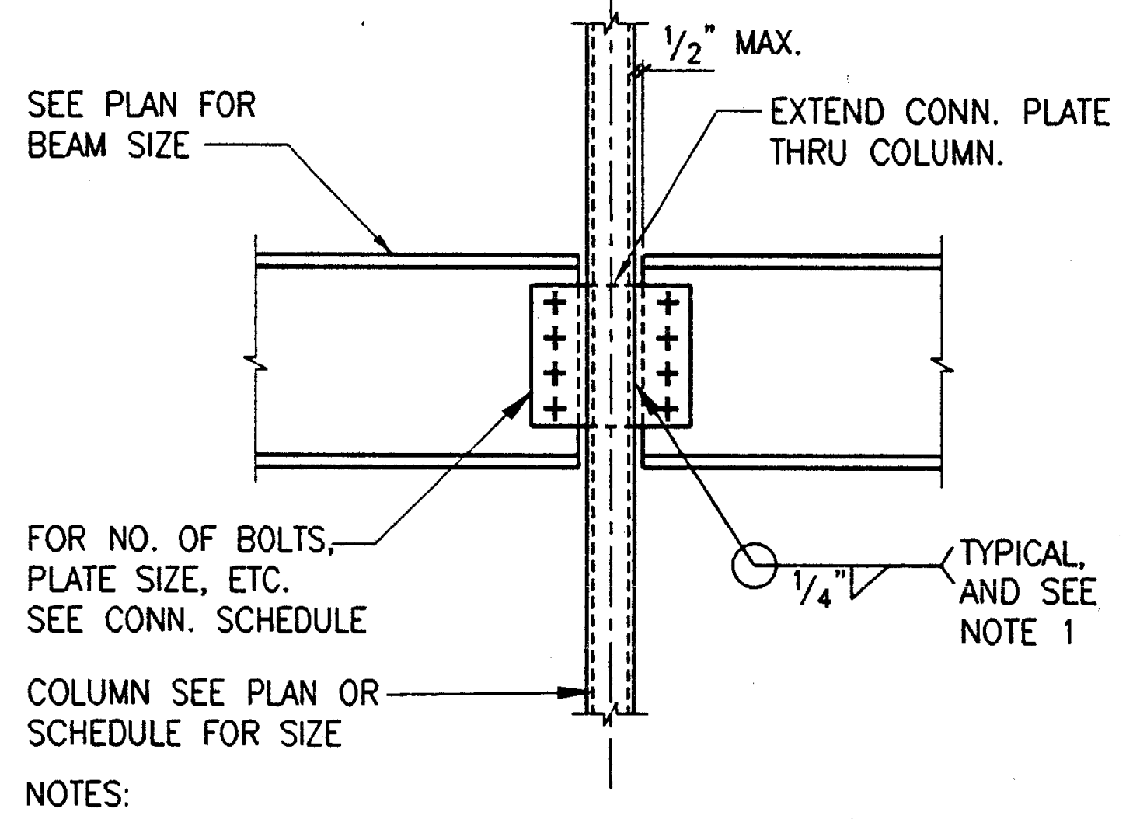
SIMPLE BEAM CONNECTION DETAILS (9)



NOTE: SEE BEAM TO BEAM CONN. DETAILS FOR REMAINDER OF DETAIL

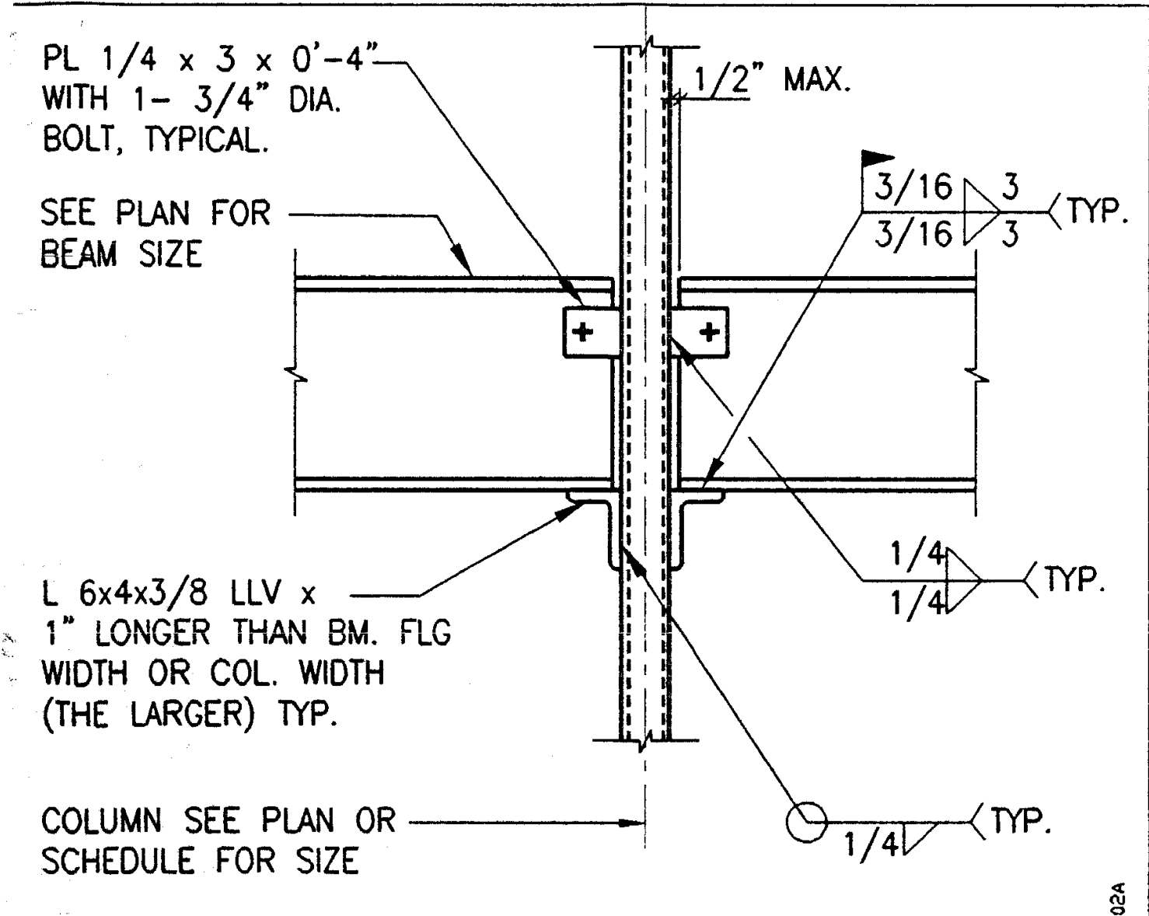
SC01-07

TYPICAL SKEWED BEAM CONNECTION (8)

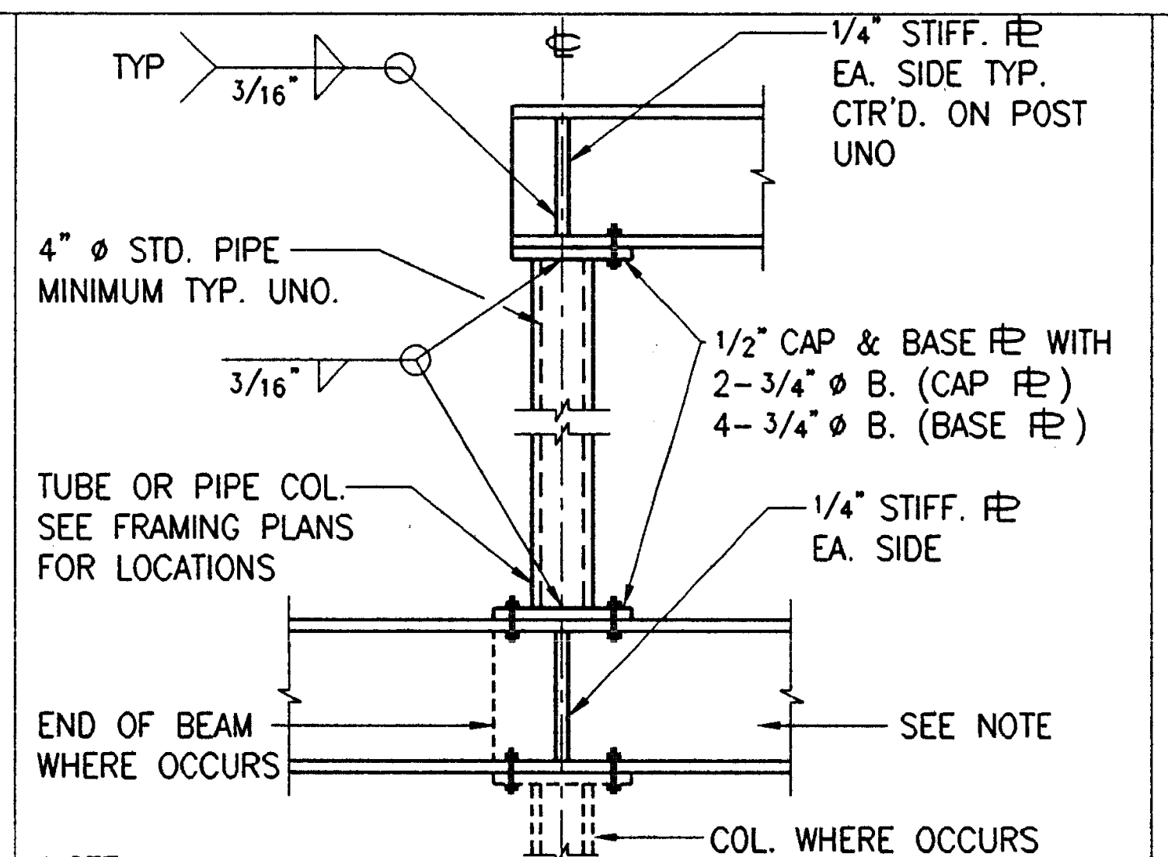


NOTES:
1. USE LARGER PLATE AND WELDS AS MAY BE REQ'D. BY BEAM CONN. SCHED. OR BY AISC SPECIFICATION SECTION J2 WELDS.
2. 2 SIDED CONN. SHOWN, ONE SIDED CONN. IS SIM'L. (CONN. PLATE SHALL BE EXTENDED THRU COL FOR ONE SIDED CONN.)

BEAM TO PIPE OR TS COLUMN (7)

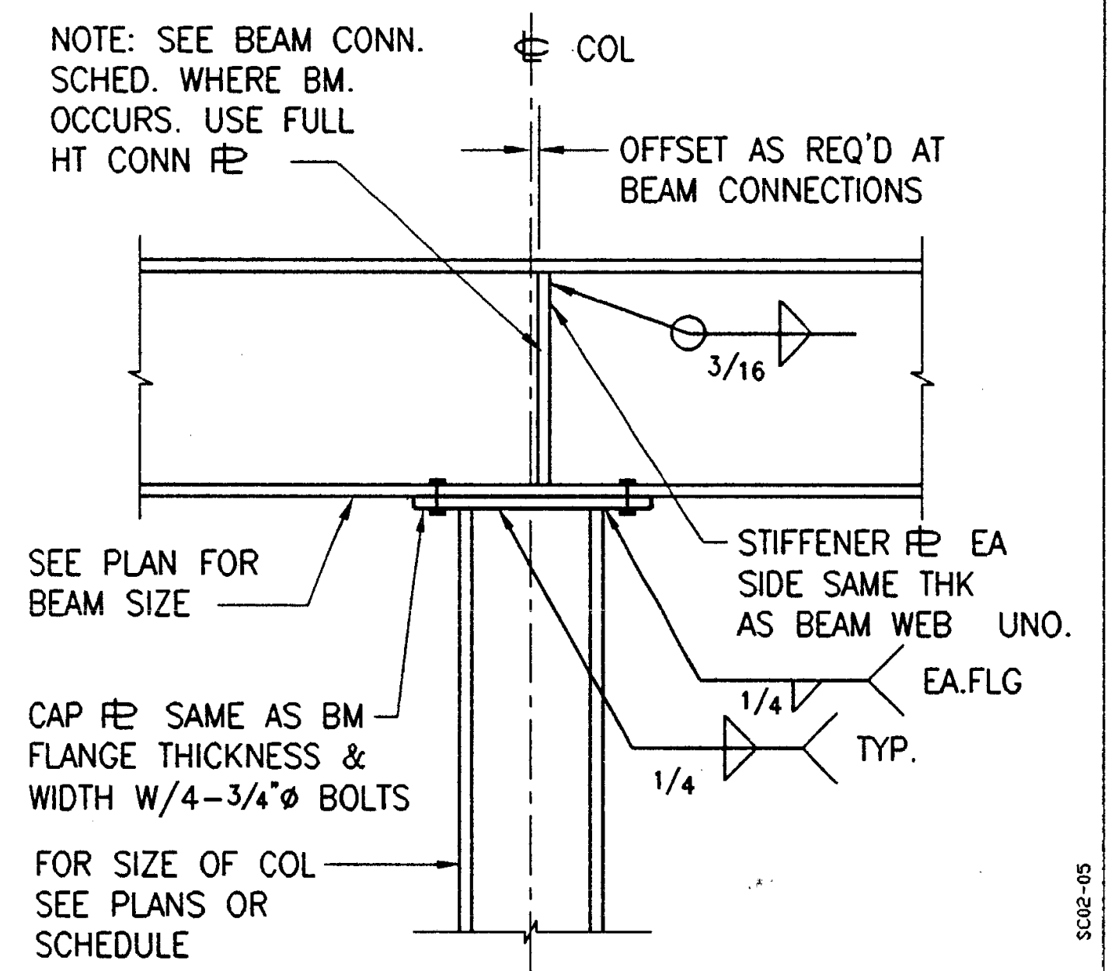


BEAM TO TS COLUMN (18)

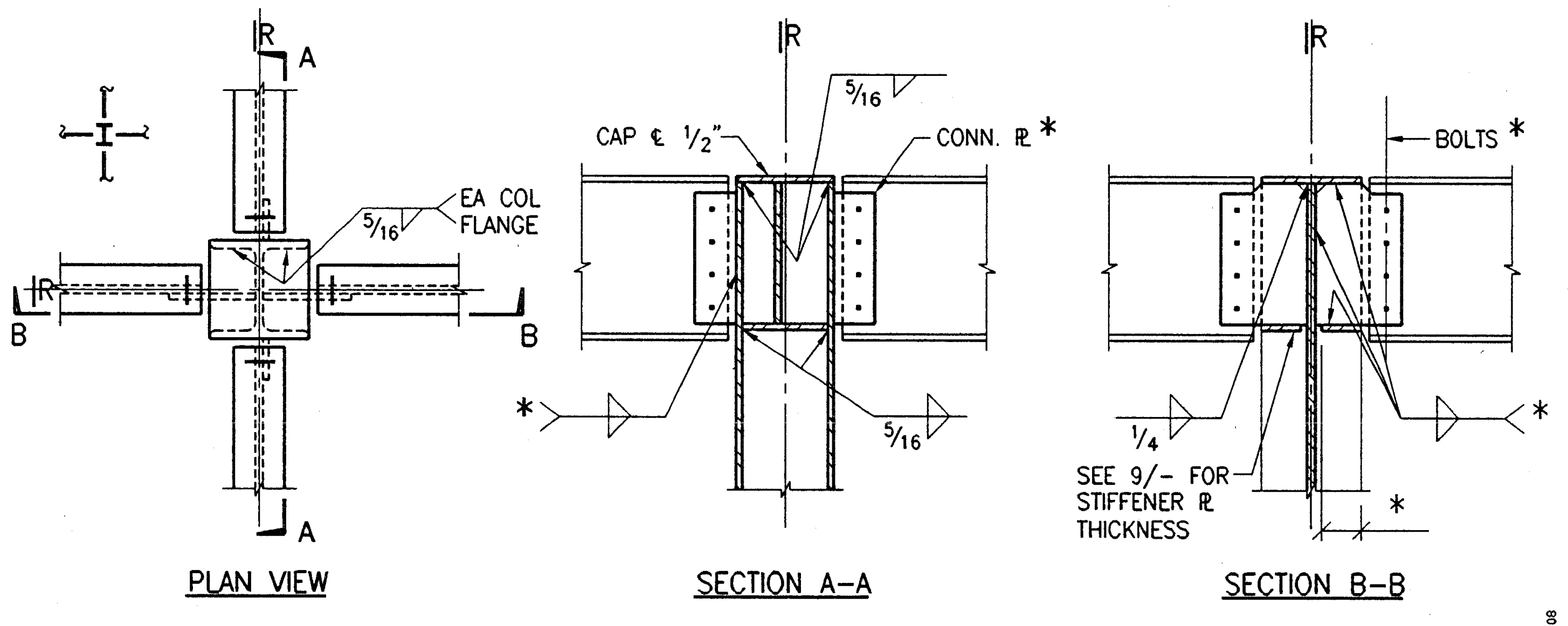


NOTE: FOR SIZE, LOCATION & ORIENTATION OF BEAMS SEE FRAMING PLANS. OFFSET STIFF PLATES WHERE REQ'D AT BEAM CONNS

STEEL STUB POST (17)



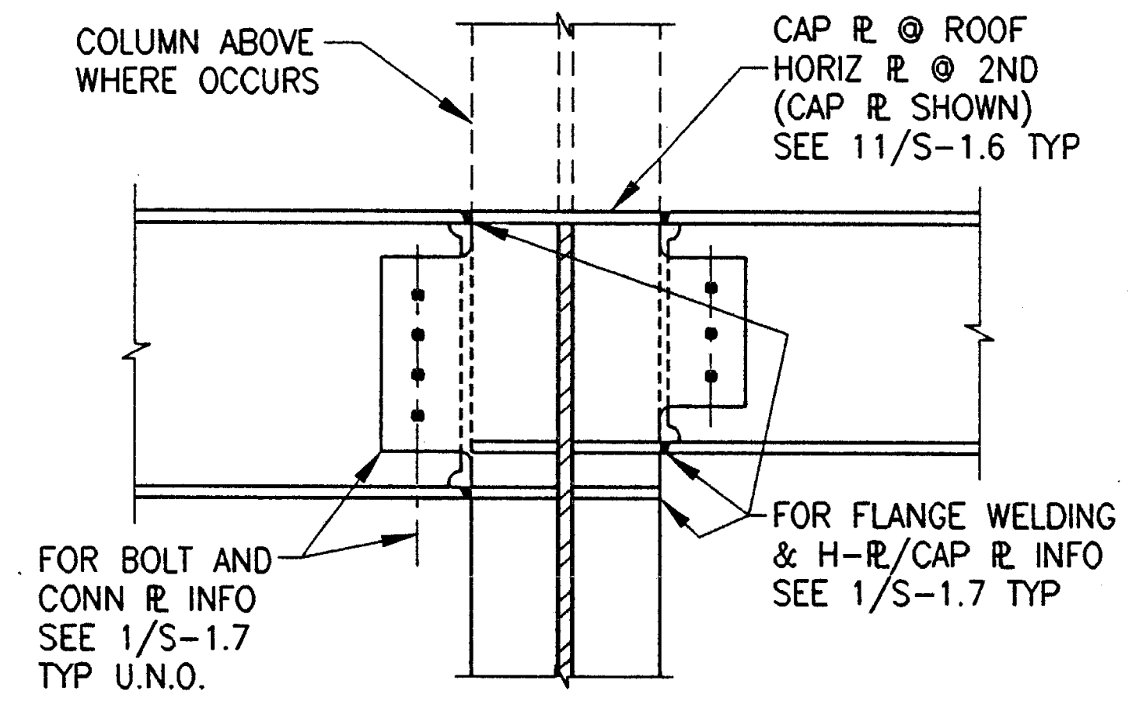
BEAM TO COLUMN (16)



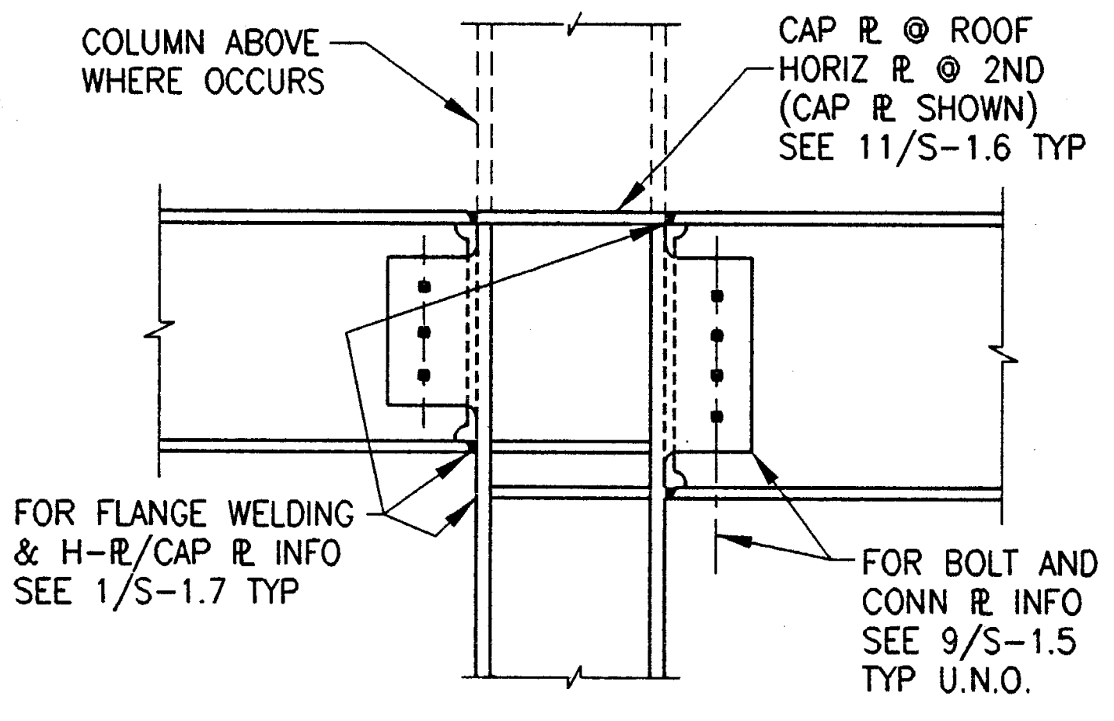
TYPICAL BEAM TO COLUMN ALL SIMPLE CONNECTIONS AT ROOF

* NOTE: SEE CONNECTION SCHEDULE 9/– FOR INFORMATION NOT SHOWN.

(14)



BEAM TO COLUMN WEB (A)



BEAM TO COLUMN FLANGE (B)

NOTES:
1. ALL BOLTS TO BE SLIP CRITICAL TYPE.

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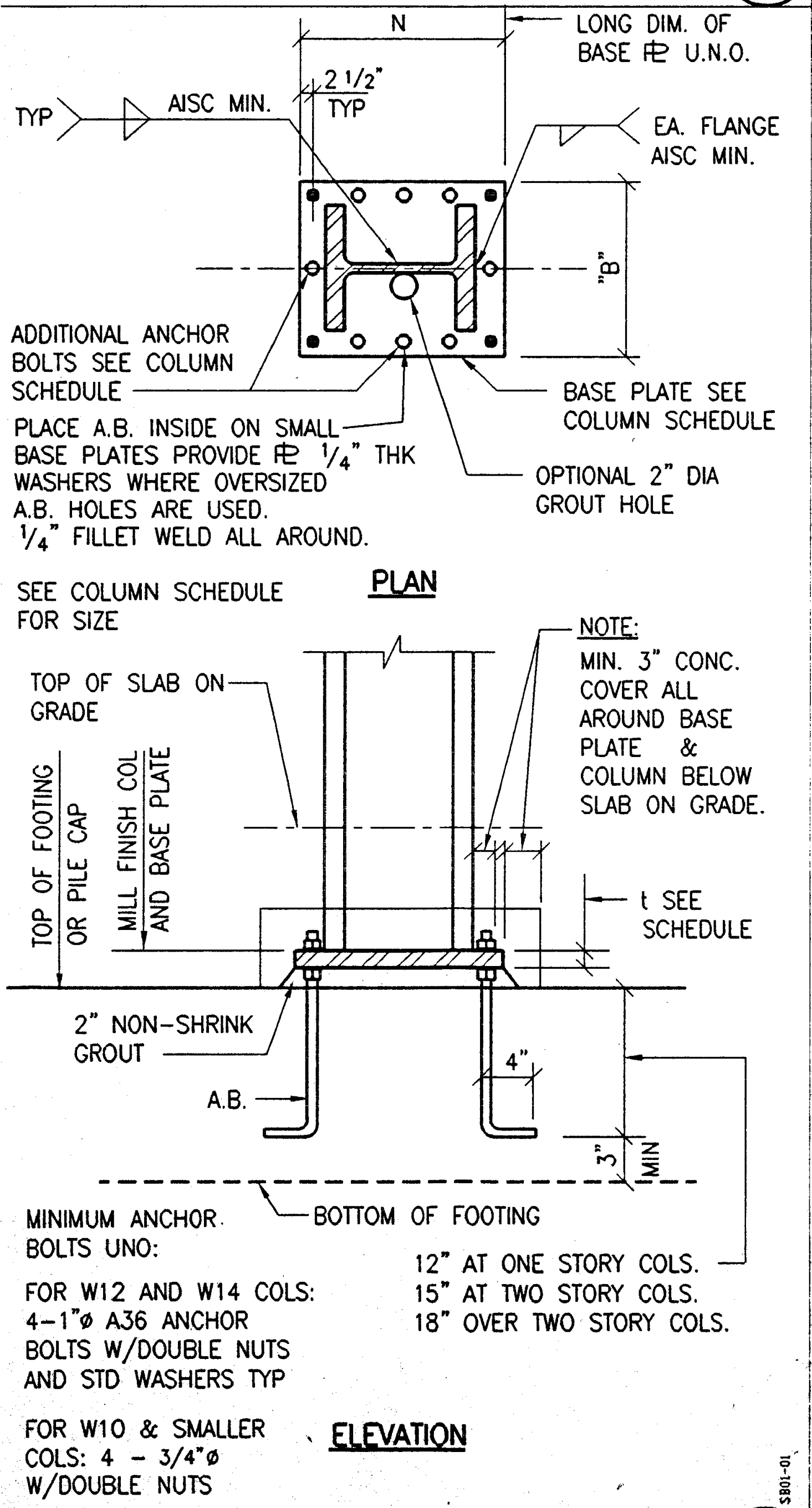
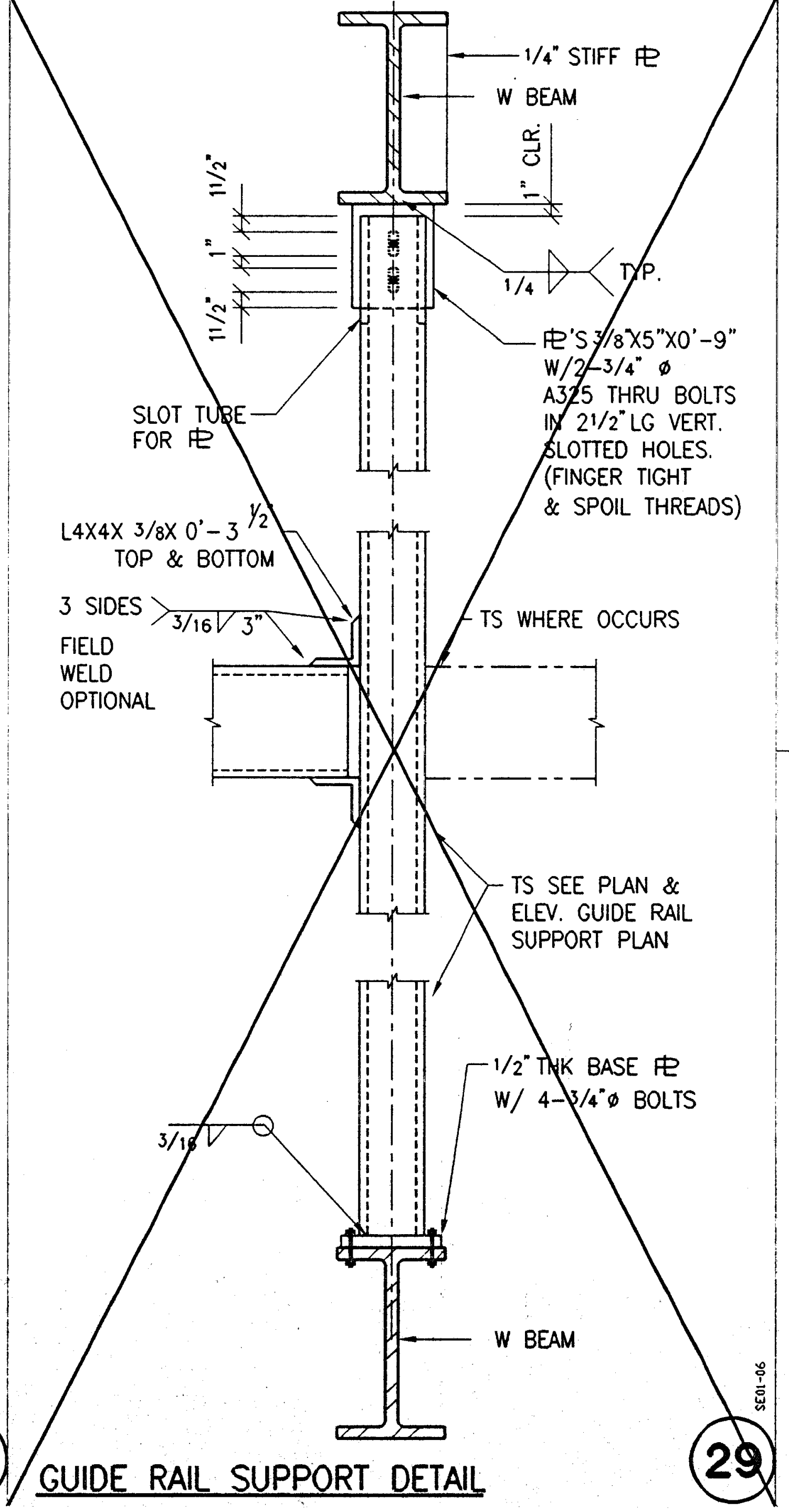
FLS SS 3-10-97

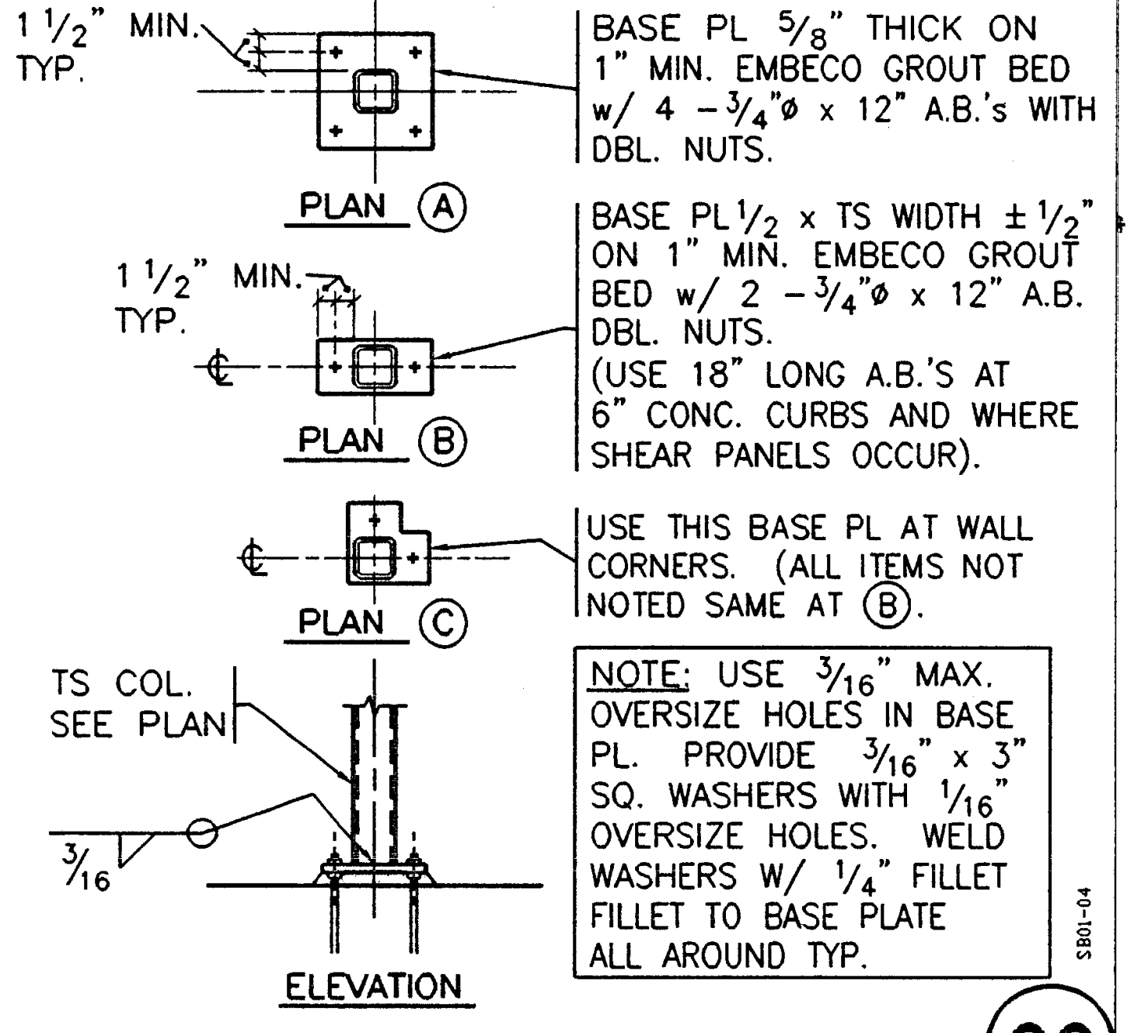
DRAG DETAIL (13)



COLUMN BASE PLATE (30)



GUIDE RAIL SUPPORT DETAIL (29)



BASE PL 5/8" THICK ON 1" MIN. EMBECO GROUT BED W/ 4 - 3/4" ø x 12" A.B.'S WITH DBL. NUTS.

BASE PL 1/2 x TS WIDTH ± 1/2" ON 1" MIN. EMBECO GROUT BED W/ 2 - 3/4" ø x 12" A.B. DBL. NUTS. (USE 18" LONG A.B.'S AT 6" CONC. CURBS AND WHERE SHEAR PANELS OCCUR).

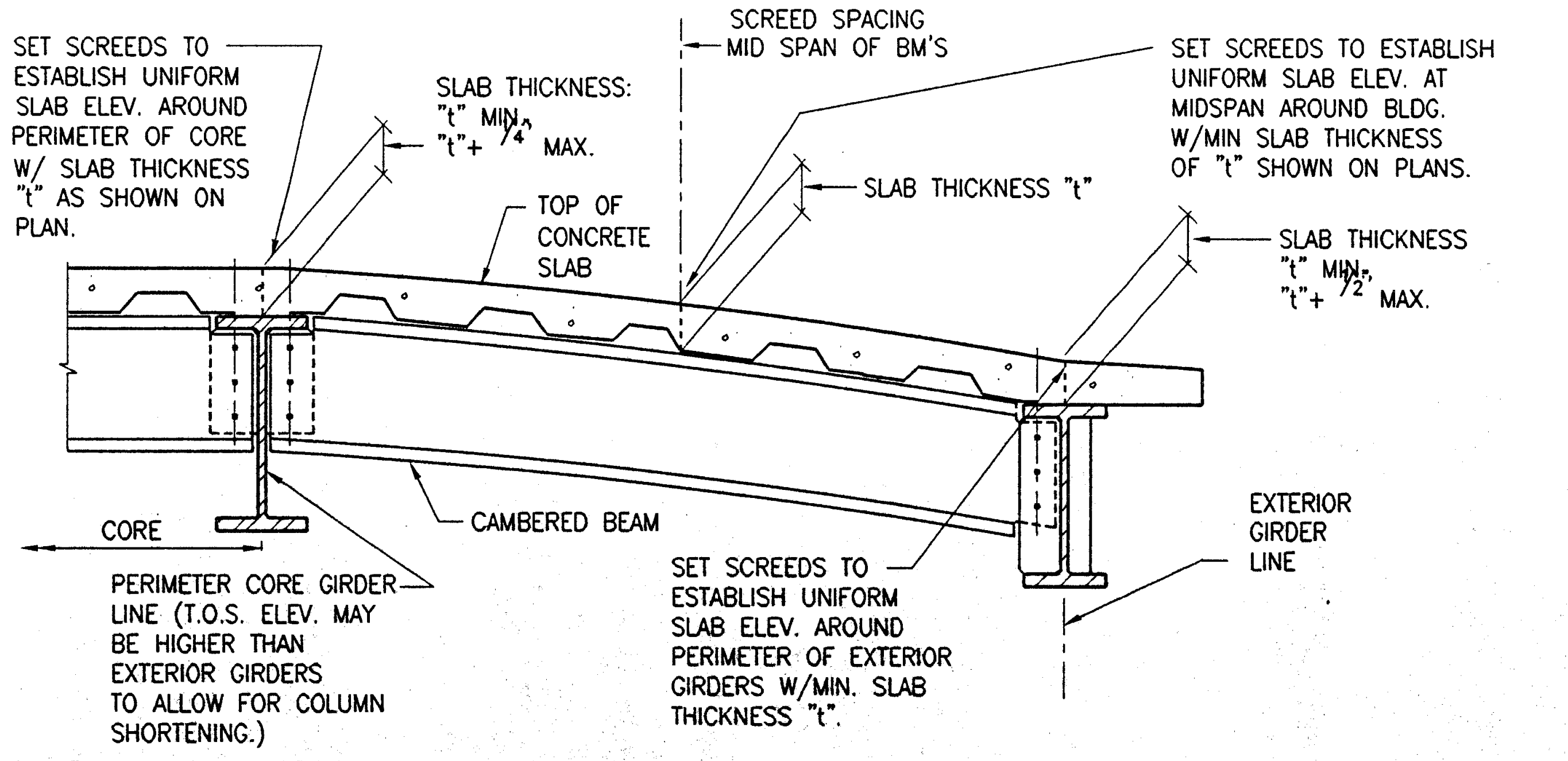
USE THIS BASE PL AT WALL CORNERS. (ALL ITEMS NOT NOTED SAME AT (B).

NOTE: USE 3/16" MAX. OVERSIZE HOLES IN BASE PL. PROVIDE 3/16" x 3" SQ. WASHERS WITH 1/16" OVERSIZE HOLES. WELD WASHERS W/ 1/4" FILLET FILLET TO BASE PLATE ALL AROUND TYP.

TS COL. BASE PL. DETAIL (22)

(21)

(20)



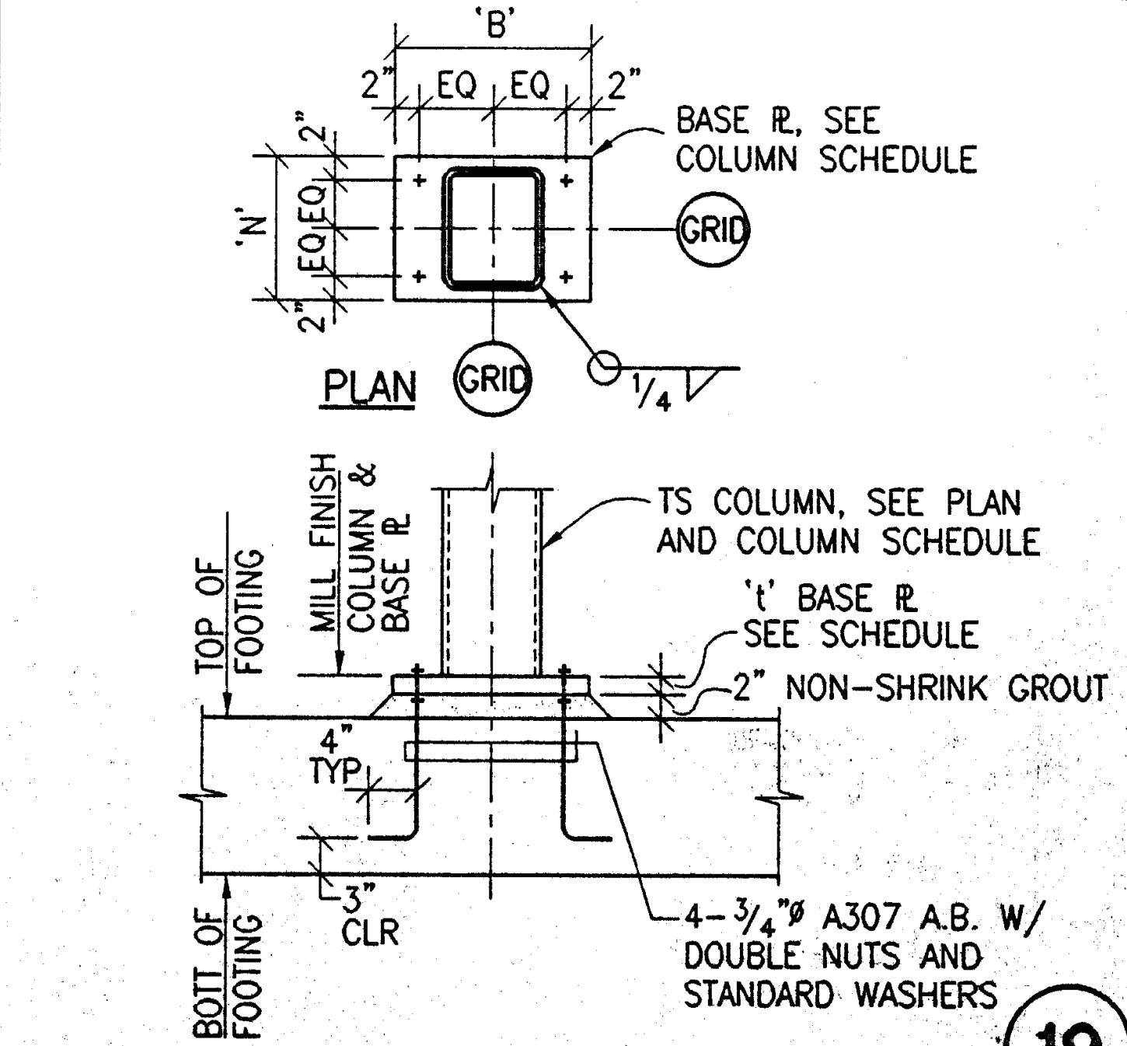
SLAB ON CAMBERED STEEL BEAMS

PROCEDURE FOR CONSTRUCTION OF FLOOR SLABS

1. PROVIDE UPWARD CAMBER AT MID SPAN FOR ALL BEAMS WHERE INDICATED. BEAMS NOT CAMBERED HAVE TO HAVE MILL CAMBER PLACED IN UPWARD POSITION.
2. AFTER STEEL ERECTION, SURVEY THE TOP ELEVATION OF THE STRUCTURAL STEEL, SET ADJUSTABLE SCREEDS TO APPROVED FINISHED SLAB ELEVATION & MIN. SLAB THICKNESS AT SUPPORTS AND TO MIN. SLAB THICKNESS AT MID-SPAN OF CAMBERED BEAMS.
3. AS CONCRETE IS PLACED, ADJUST SCREEDS, BY A LASER OR TRANSIT, TO PRODUCE A FLAT FINISHED CONCRETE SURFACE FROM THE CORE TO THE PERIMETER (BUT NOT NECESSARILY LEVEL) BETWEEN SUPPORTS AND MID-SPAN CONTROL POINTS. AS A MINIMUM , TOP OF SLAB SHALL NOT BE OUT OF LEVEL BY MORE THAN ALLOWED BY ACI AND SPECIFICATIONS.
4. UPON COMPLETION OF THE SLAB POUR AND AFTER ANY SLAB SHORES ARE REMOVED, THE GENERAL CONTRACTOR SHALL FURNISH TO THE OWNER A COPY OF THE ORIGINAL APPROVED TOP OF CONCRETE ELEVATION DRAWINGS WITH THE AS-BUILT SURVEYED TOP OF CONCRETE ELEVATIONS NOTED AT ALL CONTROL POINTS.

SM01-03

(26)



T.S. COLUMN BASE PLATE (19)

PLOT DATE: 07.11.97

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PROGRAMMING
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DRAWN
CHECKED JGM
APPROVED JGM

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SEAL
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No. 1958
EXP. 12/31/01
MORRIS R. POINDEXTER
C-13900
3-31-99

STRUCTURAL ENGINEERS
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& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
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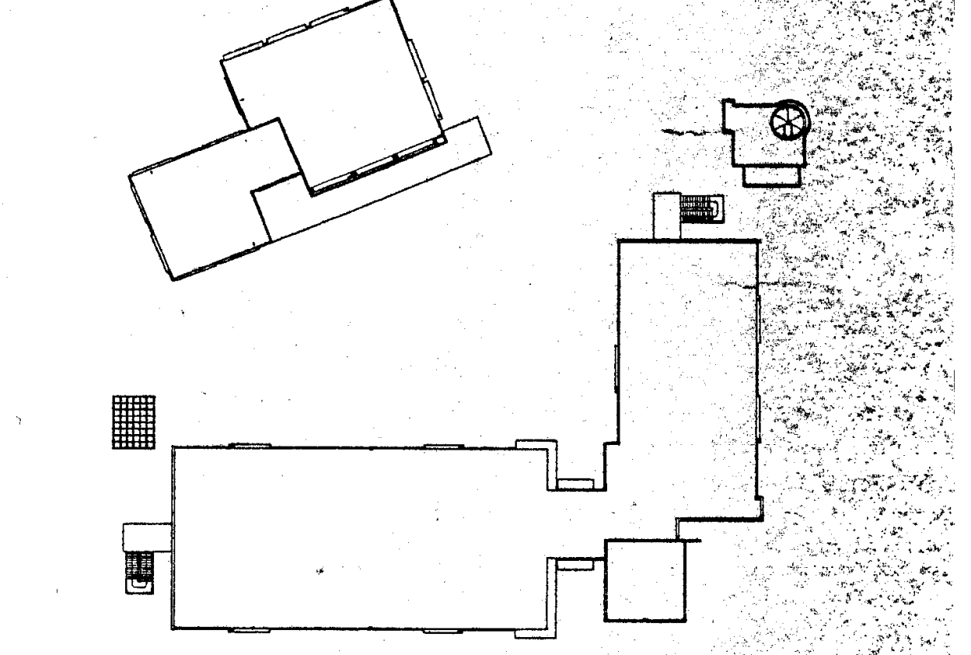
KEY PLAN



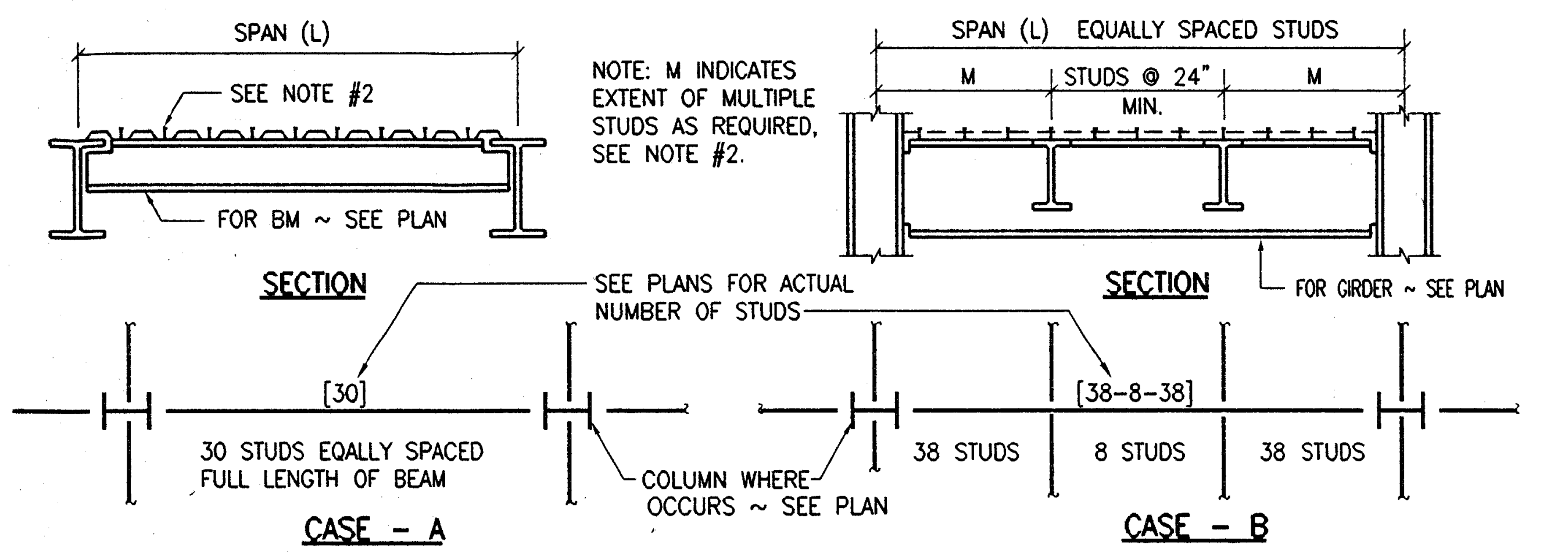
NO.	DATE	BY	REVISION

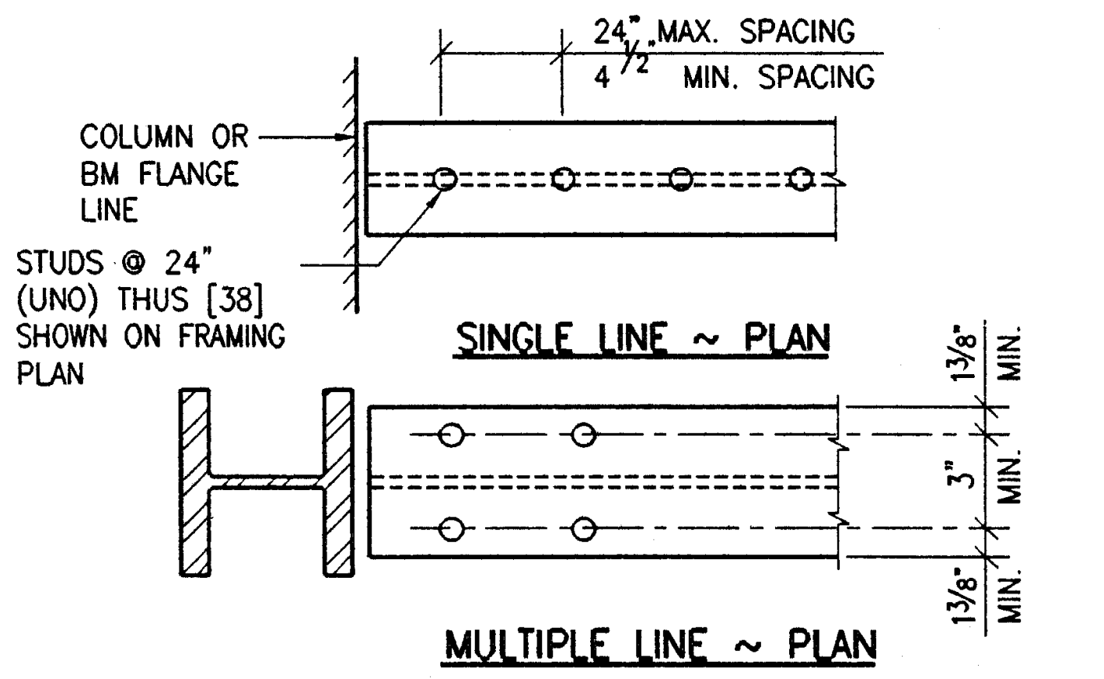
PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

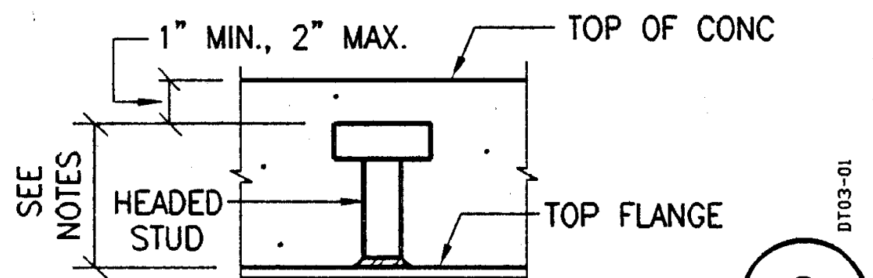
SHEET TITLE
MATH SCIENCE
TYPICAL DETAILS

FILE: S105-552
SCALE NONE
JOB NO. JGM
DATE 07.14.97
SHEET NO.
S1.5
OF SHEETS





1. ALL HEADED SHEAR STUDS SHALL BE 3/4"ø. TOP OF ALL STUDS TO BE 1 1/2" (MIN) ABOVE TOP OF STEEL DECK (TYPICAL) SEE PLANS FOR NUMBER.
2. WHERE STUDS FILL EVERY TROUGH THEN REMAINING STUDS SHALL BE INSTALLED ON TWO OR MORE ROWS STARTING AT EACH END OF BEAM OR GIRDER.
3. CASE "A" STUDS ARE EQUALLY SPACED. IF EQUAL SPACING NOT POSSIBLE DUE TO DECK CONFIGURATION, STRUCTURAL ENGINEER MUST BE NOTIFIED.
4. AT FRAMED AREAS WHERE NUMBER OF STUDS IS NOT INDICATED PROVIDE STUDS AT 12" MAX.
5. STUD WELDED THRU DECKING MAY BE SUBSTITUTED FOR TYPICAL PLUG WELD
6. MAINTAIN 1" CLEARANCE AROUND ALL STUDS FOR PROPER EMBEDMENT.
7. STUDS TO EXTEND AS FAR AS STANDARD STUD LENGTHS ALLOW INTO TOPPING SLAB, U.N.O.

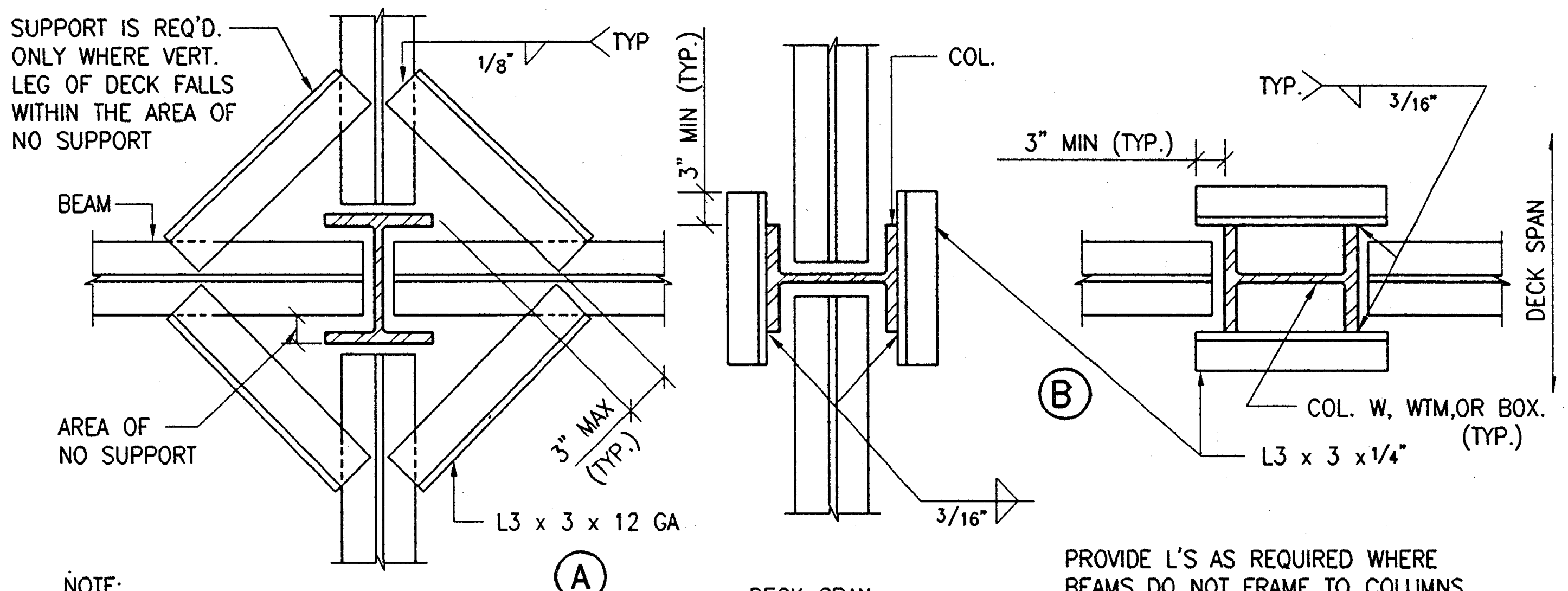


WELDED STUD LAYOUTS

TYPICAL STUD

DT03-01

③



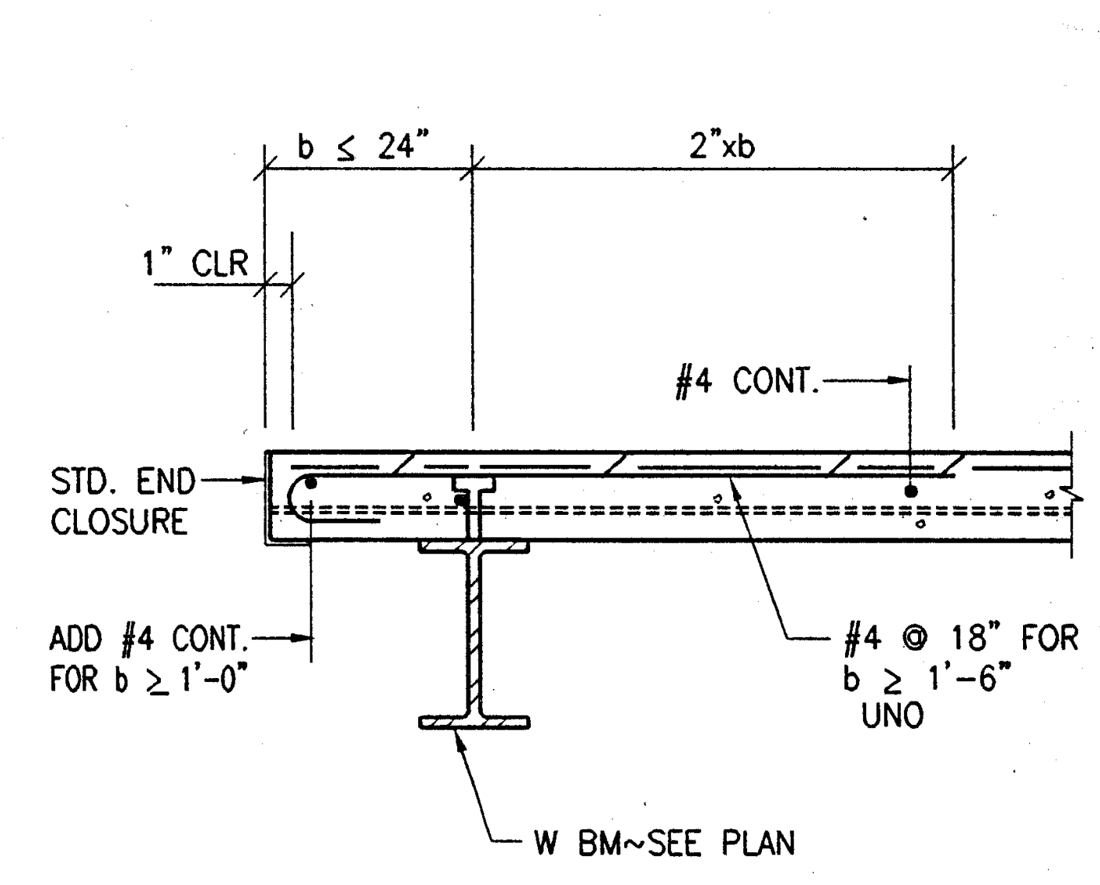
NOTE:
FOR COMPOSITE STEEL DECK WITH CONC. CONTRACTOR MAY DELETE ANGELES. SHORE AS REQ'D. DURING CONC. PLACEMENT

PROVIDE L'S AS REQUIRED WHERE BEAMS DO NOT FRAME TO COLUMNS. CONTRACTOR TO PROVIDE 16 GA SHEET METAL TO FILL COL. CAVITY AS REQ'D. WHERE BEAMS OCCUR ON 4 SIDES SEE DETAIL. Ⓐ

METAL DECK SUPPORT AT COLUMN

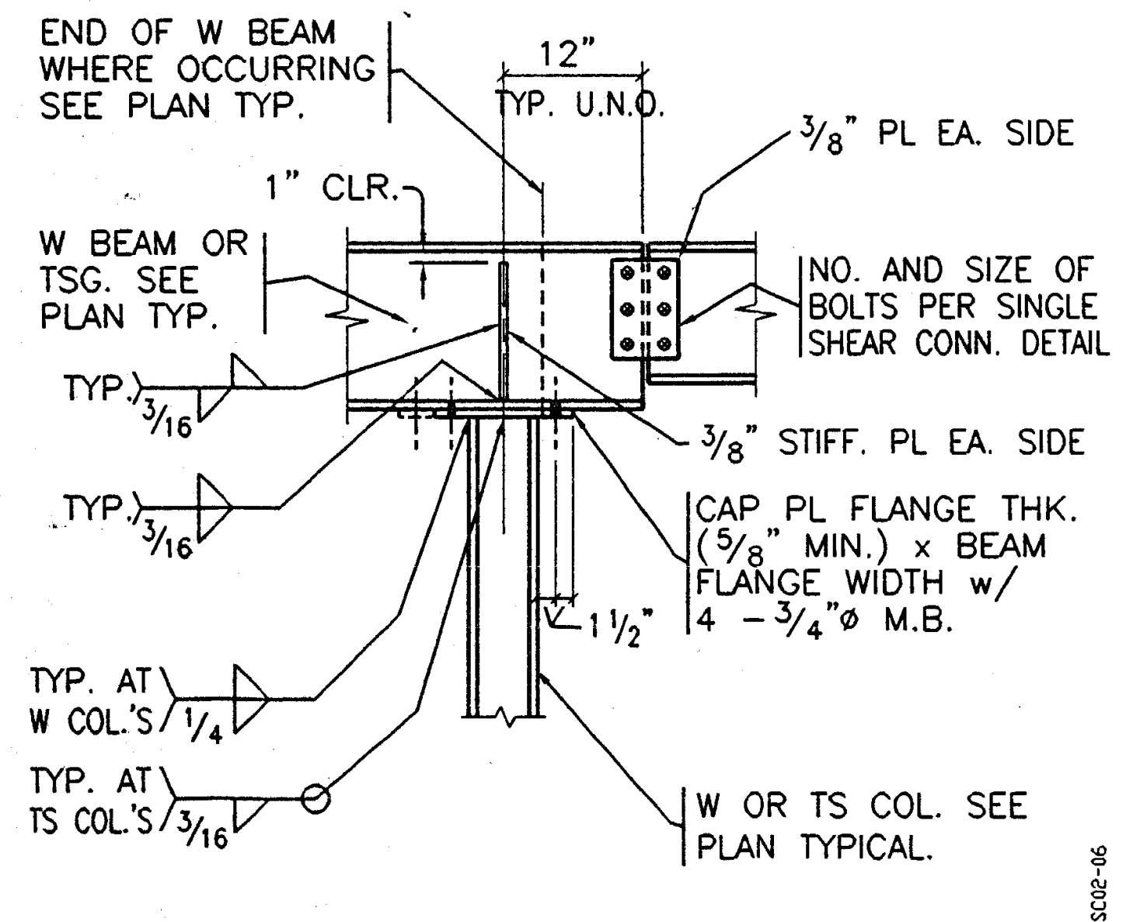
DS04-01

②



DECK PERPENDICULAR FOR OVERHANG

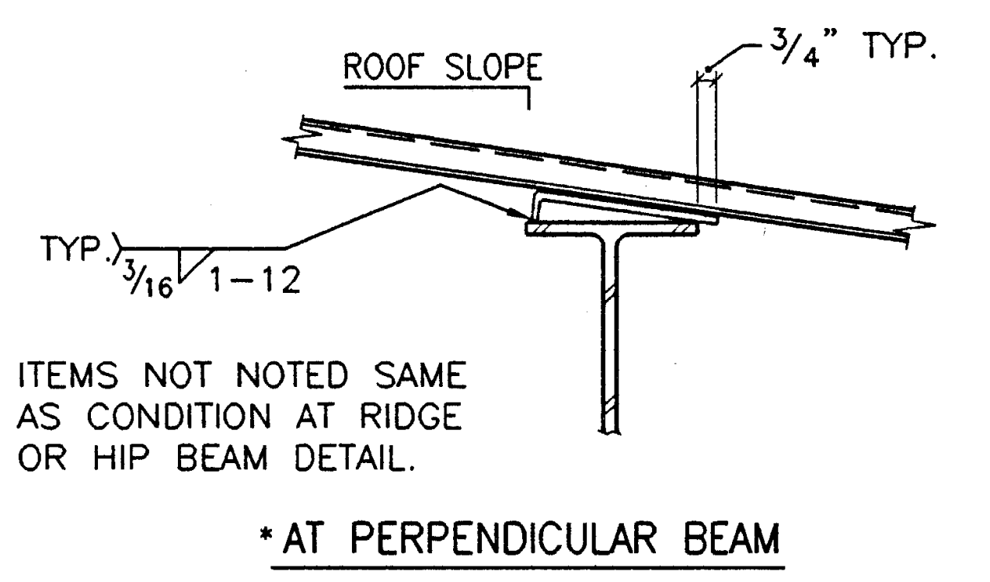
①



SC02-06

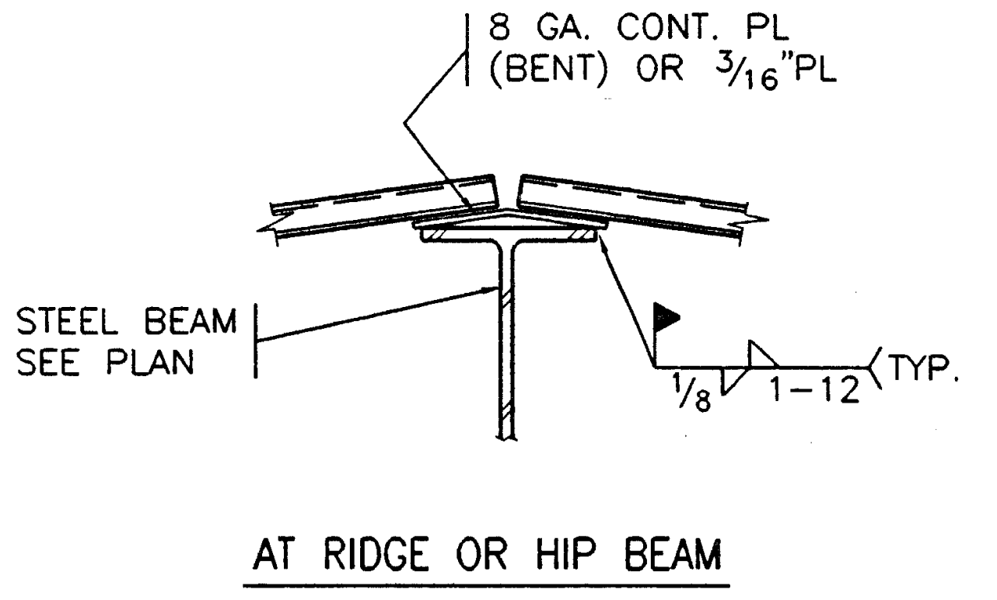
TYPICAL W BEAM OVER THE TOP OF TS/W COL DETAIL

⑧



ITEMS NOT NOTED SAME AS CONDITION AT RIDGE OR HIP BEAM DETAIL.

*AT PERPENDICULAR BEAM



AT RIDGE OR HIP BEAM

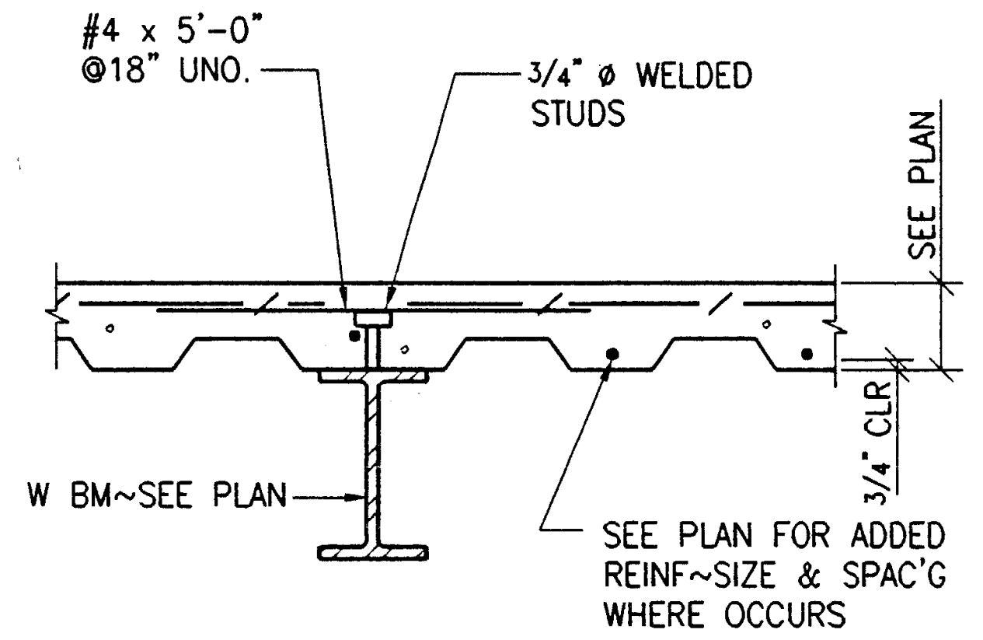
*TYPICALLY WE SPECIFY BEAM PERPENDICULAR TO ROOF SLOPE. THUS, THIS DETAIL IS TO BE USED ONLY WHEN YOU HAVE THIS CONDITION.

NOTE: USE BENT PL WHEN DECK SLOPE RELATIVE TO ROOF BEAM IS 1/2" TO 12" AND GREATER.

DS04-04

DETAIL FOR LEVEL BEARING OF STEEL DECK

⑦

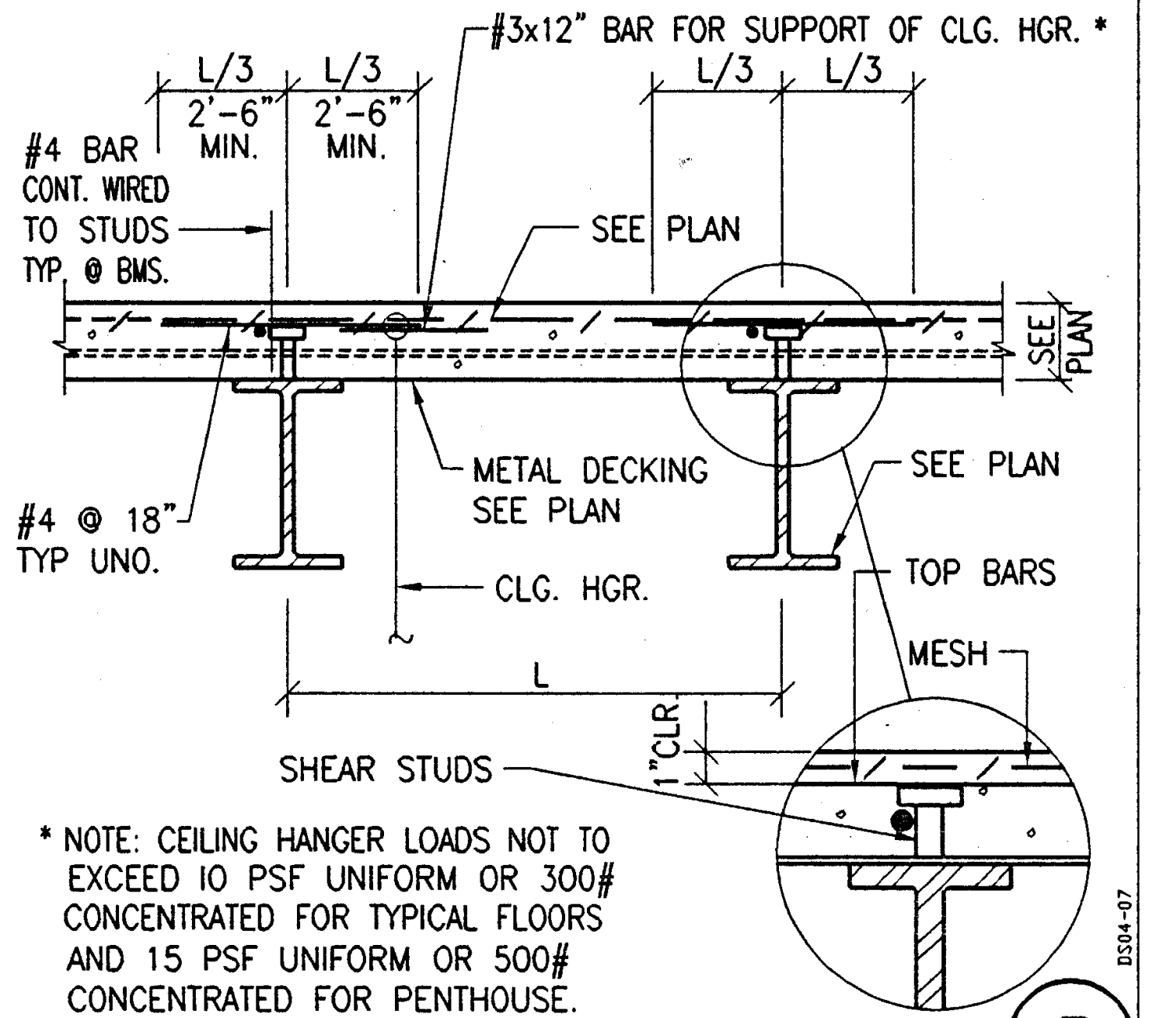


NOTE:
SEE "DECKING PERPENDICULAR TO BEAMS" FOR ADDED NOTES

DS04-08

DECKING PARALLEL TO BEAM

⑥

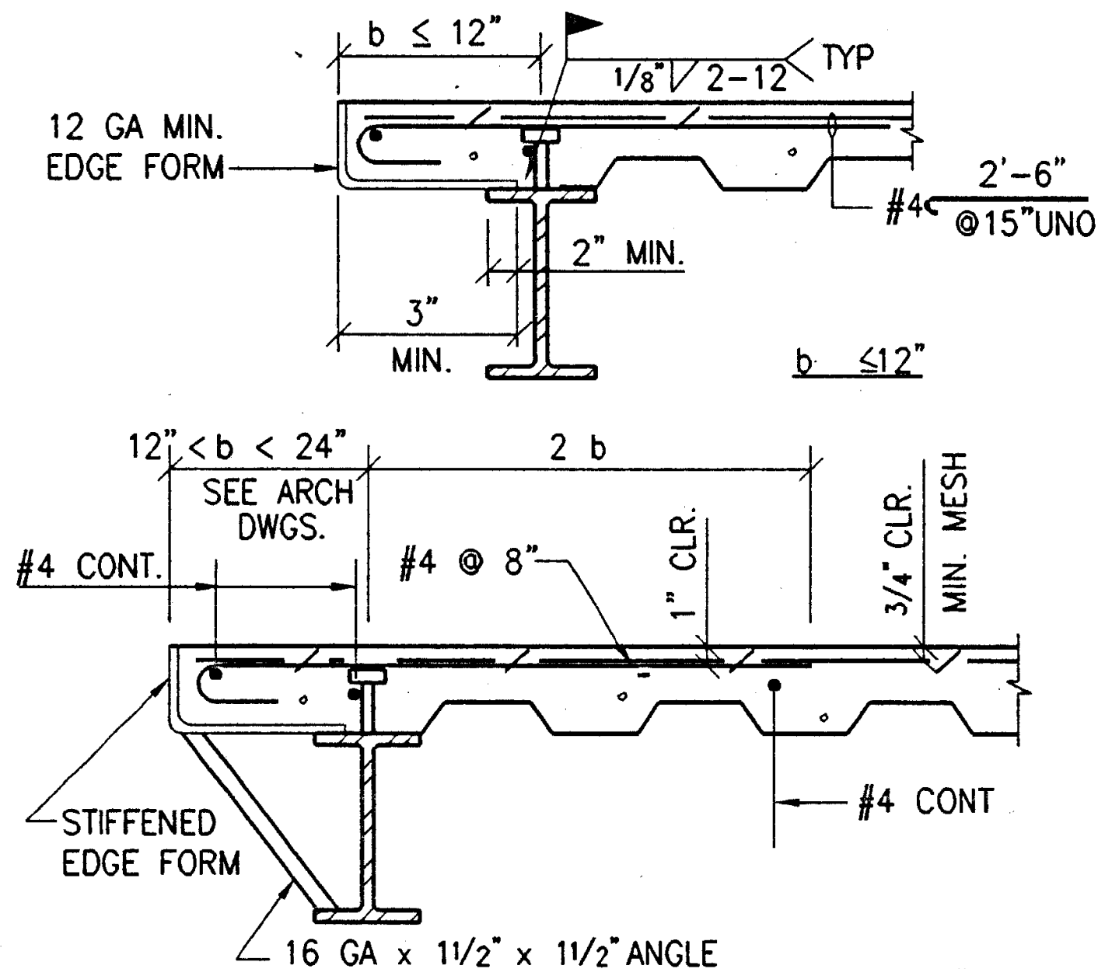


* NOTE: CEILING HANGER LOADS NOT TO EXCEED 10 PSF UNIFORM OR 300# CONCENTRATED FOR TYPICAL FLOORS AND 15 PSF UNIFORM OR 500# CONCENTRATED FOR PENTHOUSE.

DS04-07

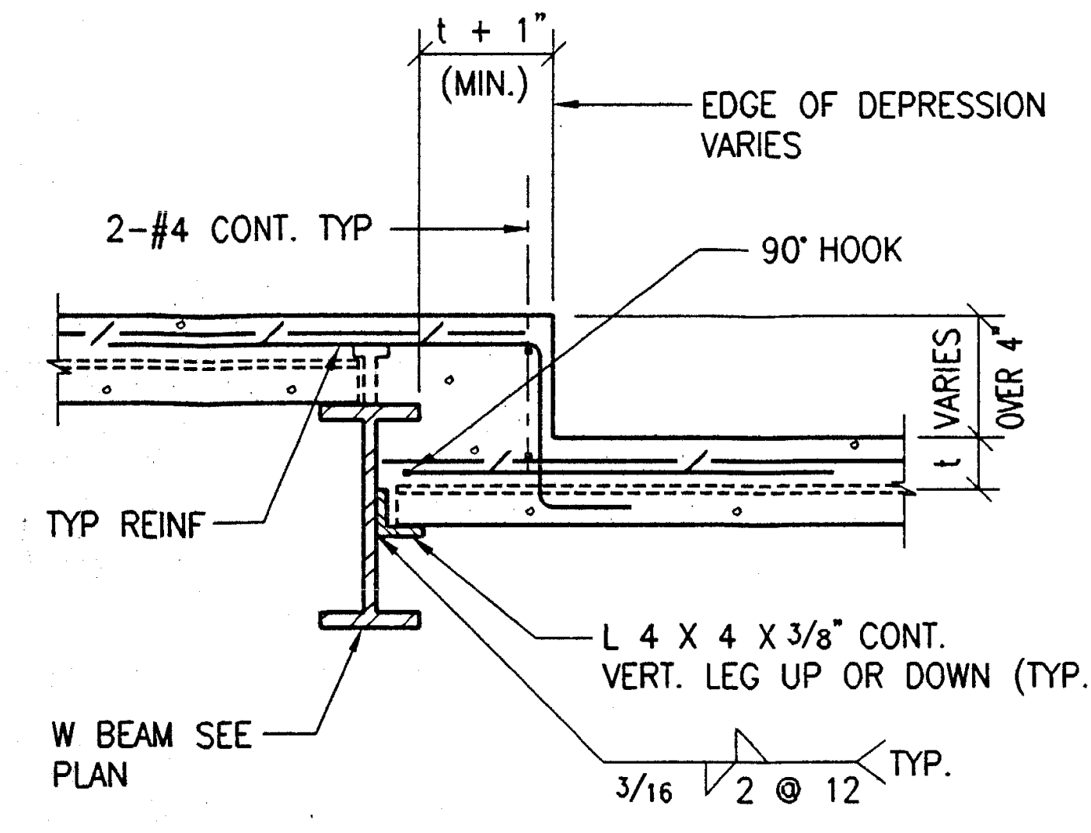
DECKING PERPENDICULAR TO BEAM

⑤



DECK PARALLEL FOR OVERHANG

④

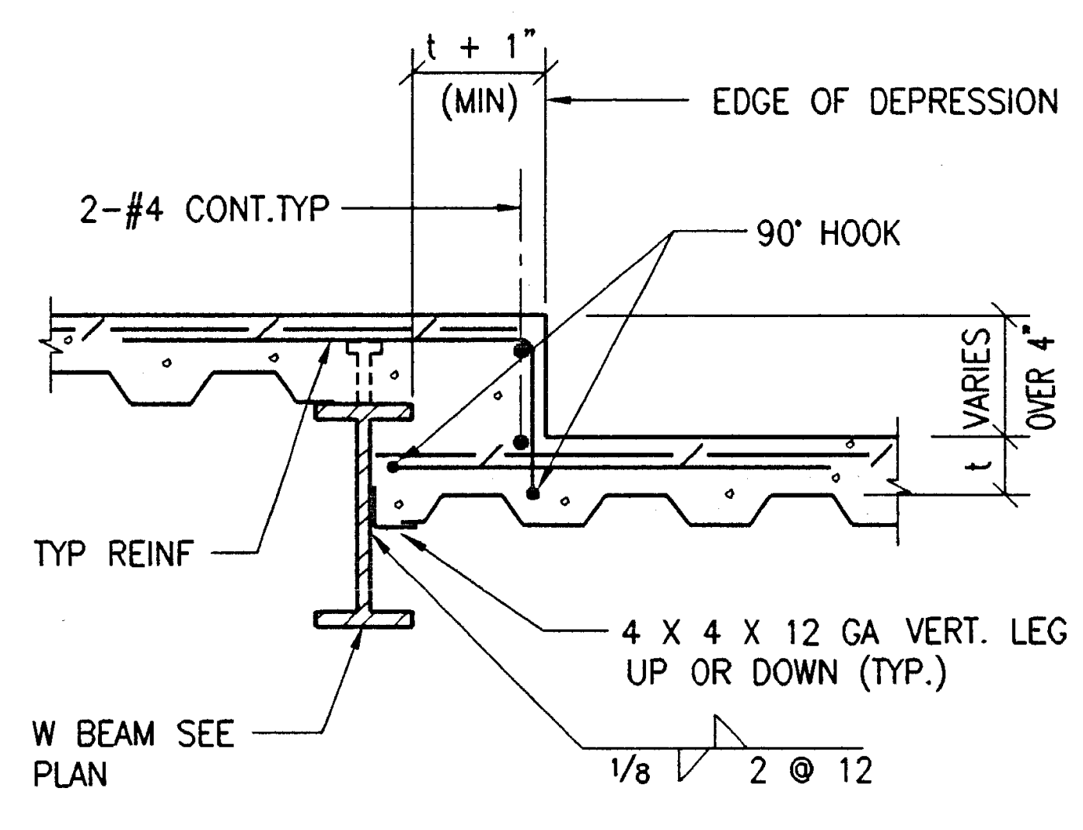


DECK FLUTES PERPENDICULAR TO BEAM

DS04-14

DEEP DEPRESSIONS GREATER THAN 4 INCHES

⑭

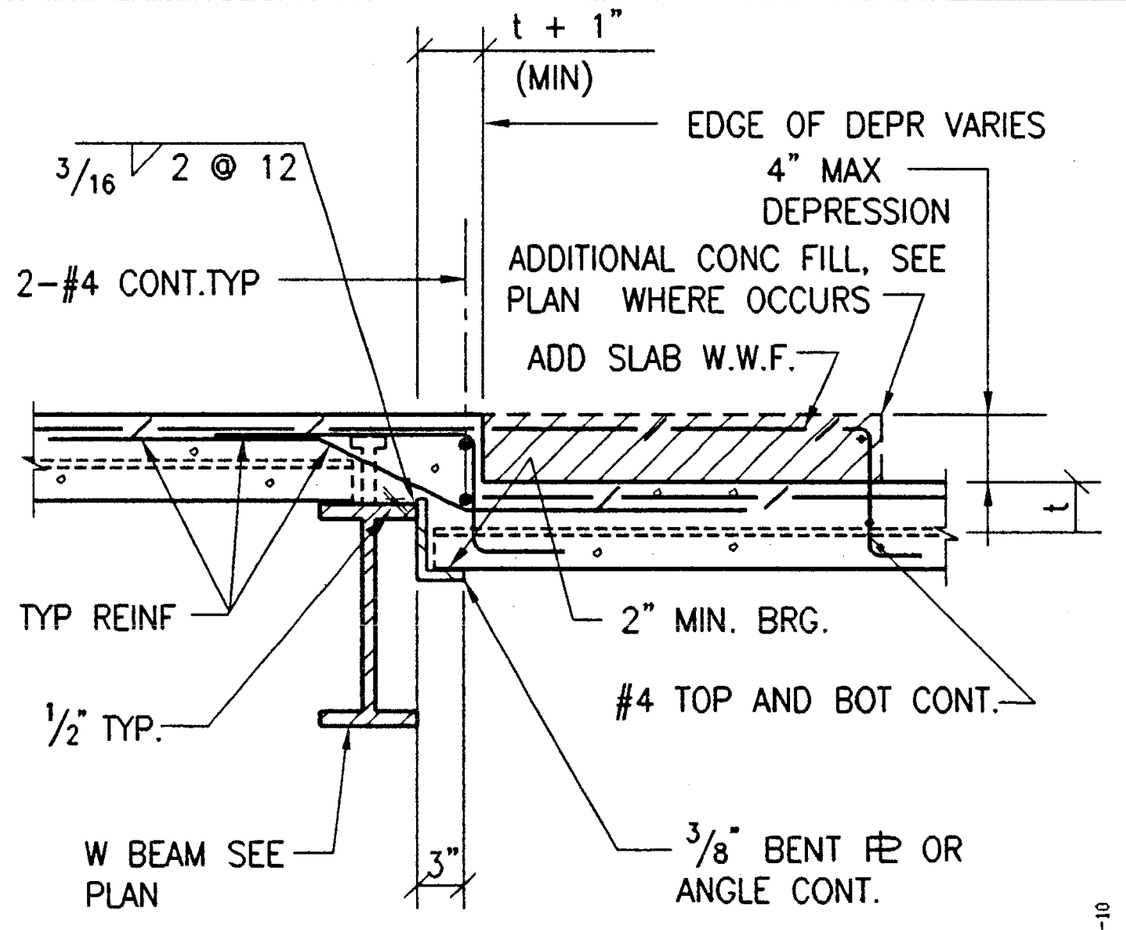


DECK FLUTES PARALLEL TO BEAM

DS04-13

DEEP DEPRESSIONS GREATER THAN 4 INCHES

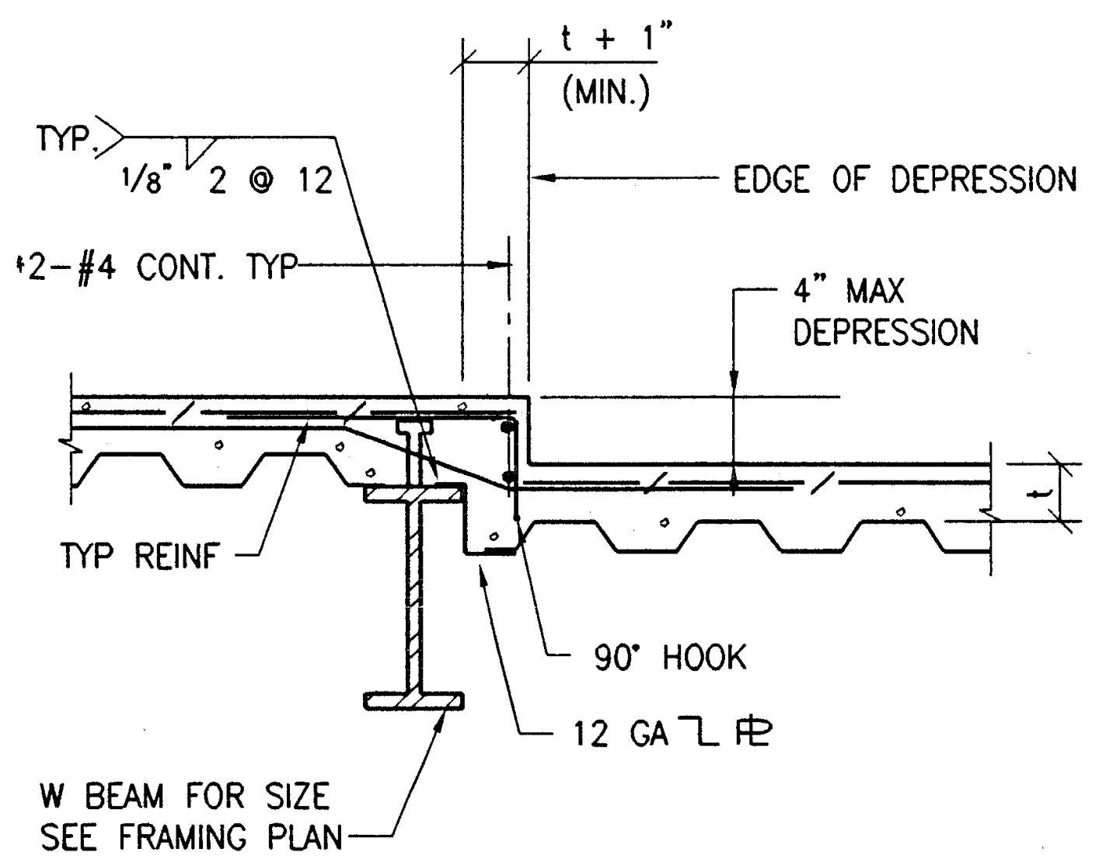
⑬



DS04-10

DECK FLUTES PERPENDICULAR TO BEAM SUPPORT

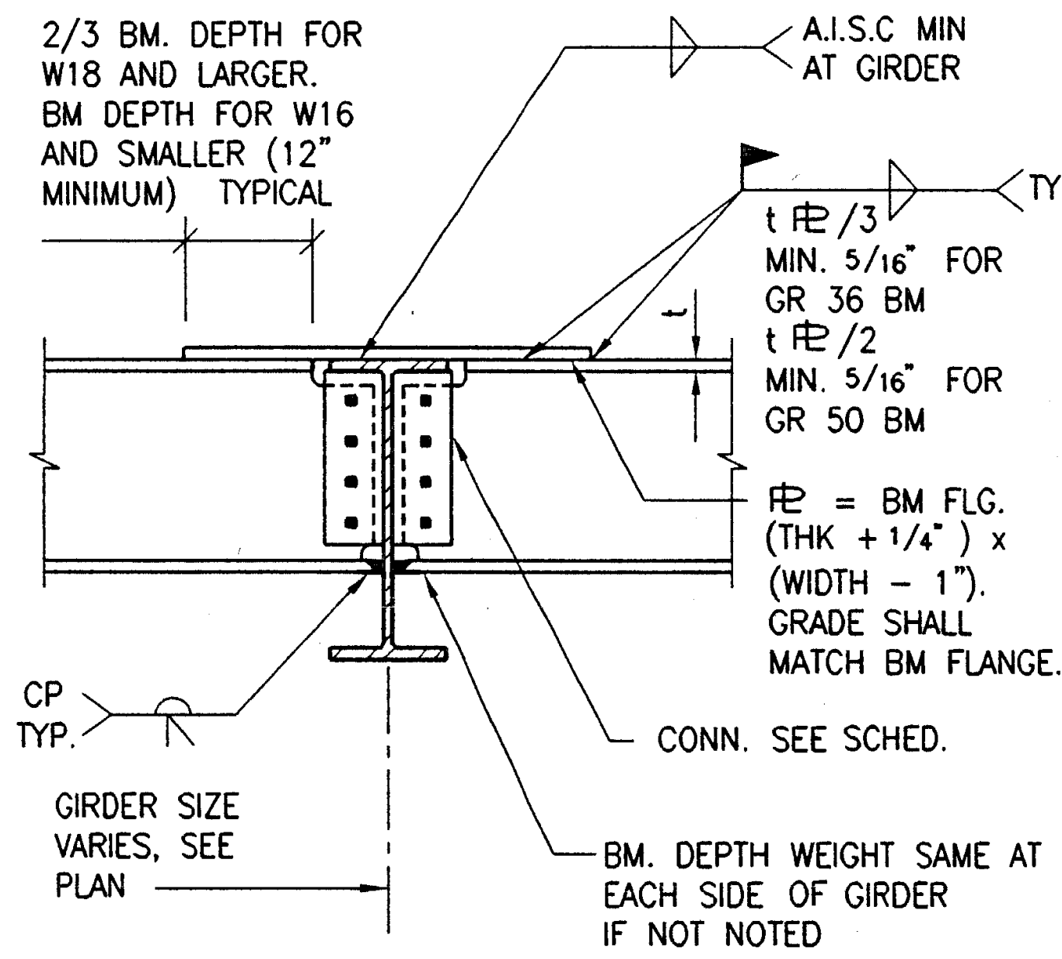
⑫



DS04-09

DECK FLUTES PARALLEL TO BEAM SUPPORT

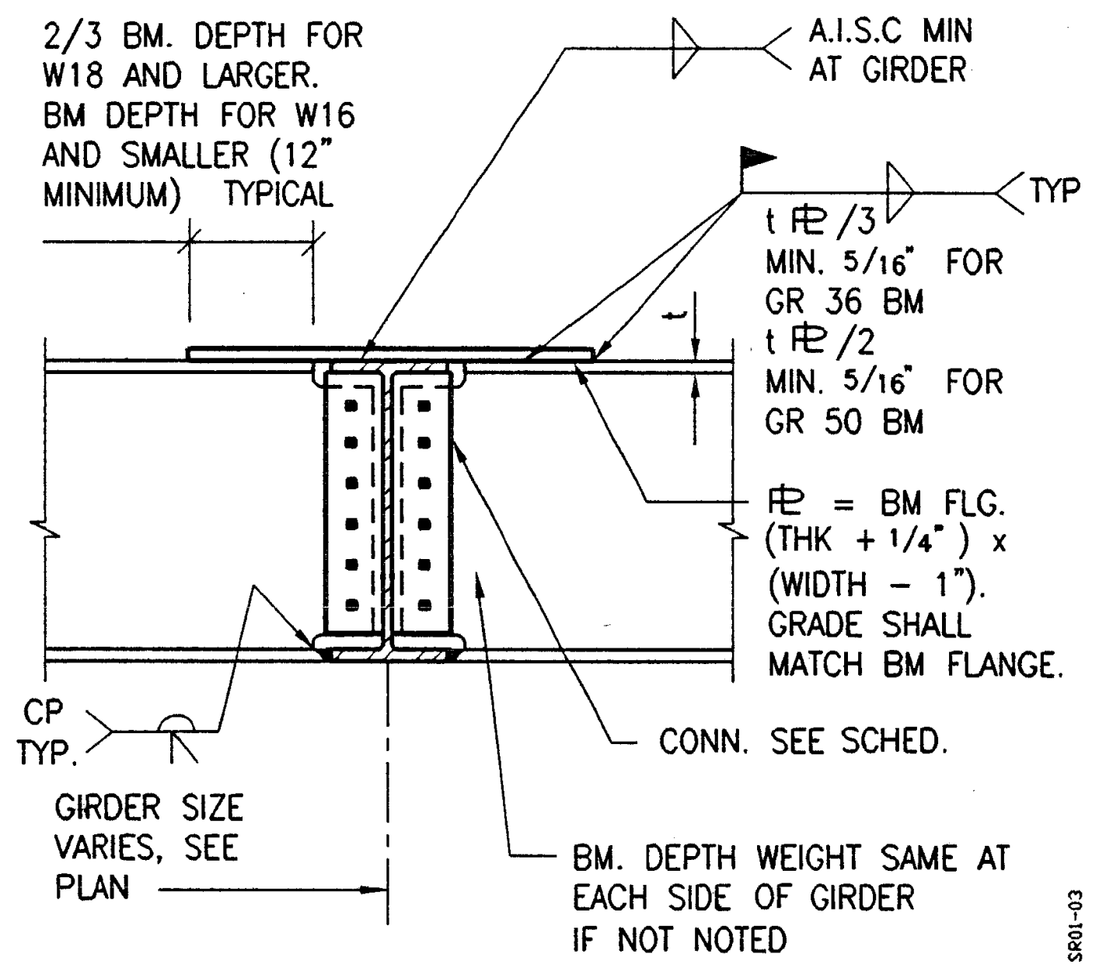
⑪



SR01-02

MOMENT CONNECTION BEAM TO BEAM

⑩

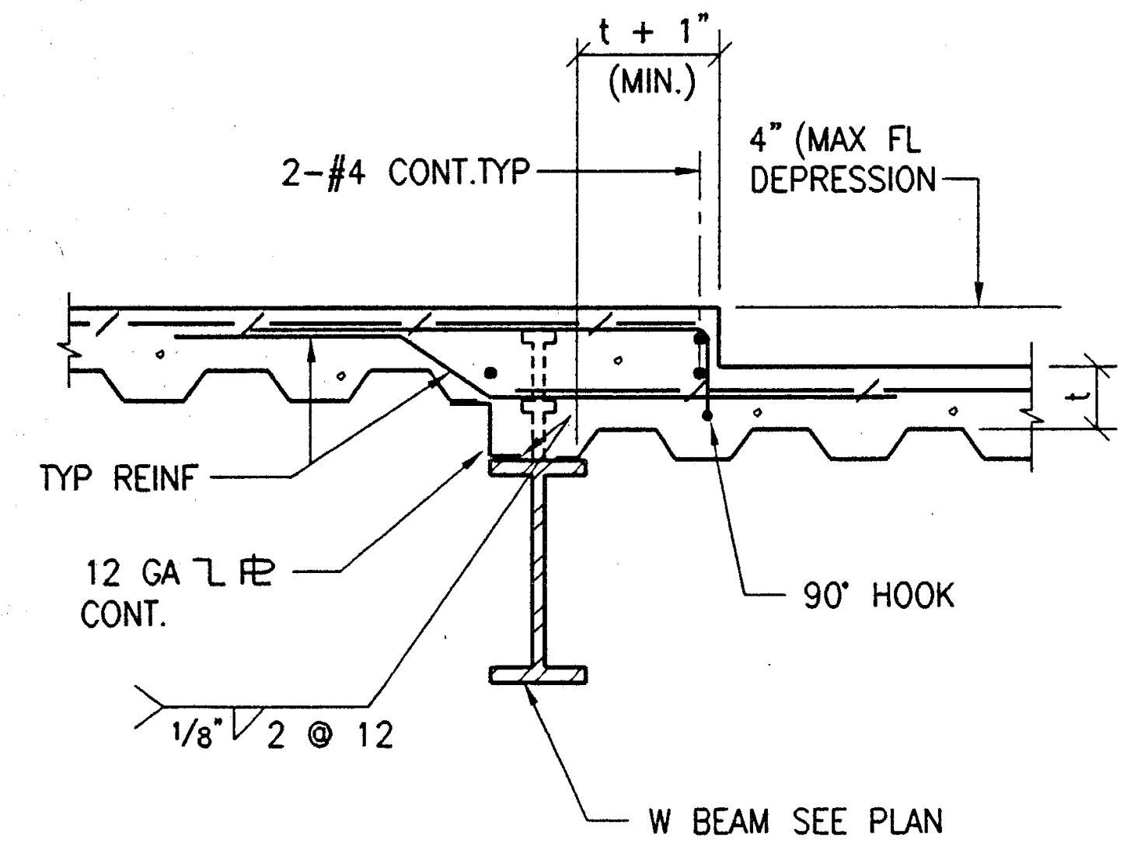


BEAM & GIRDER EQUAL DEPTH

SR01-03

MOMENT CONNECTION BEAM TO BEAM

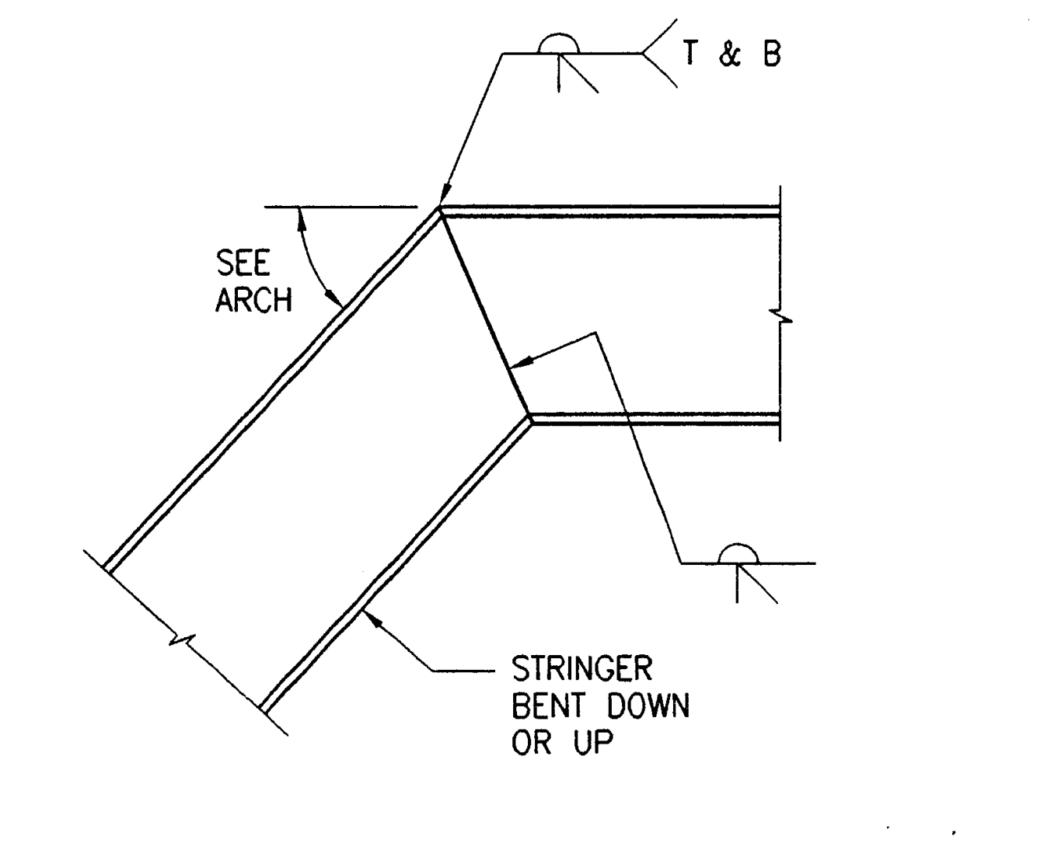
⑨



DS04-11

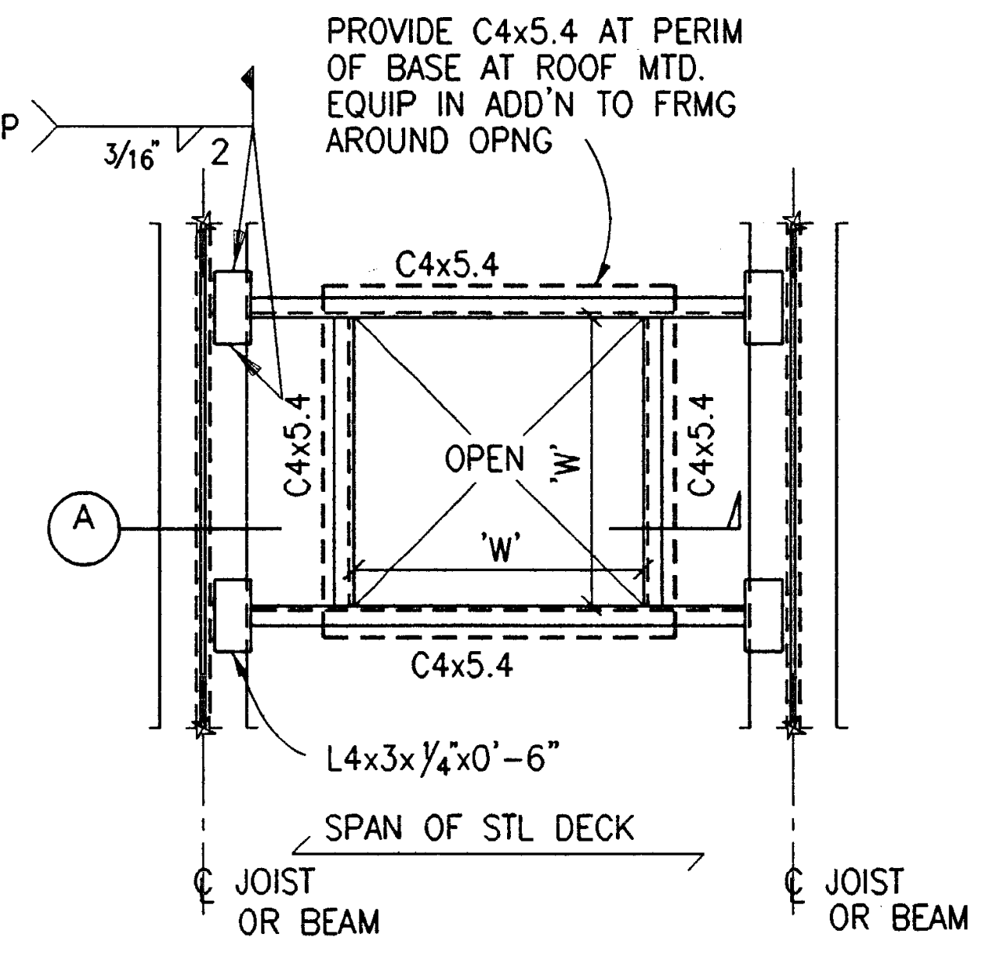
DECK ELEVATION IS ABOVE TOP BEAM SUPPORT

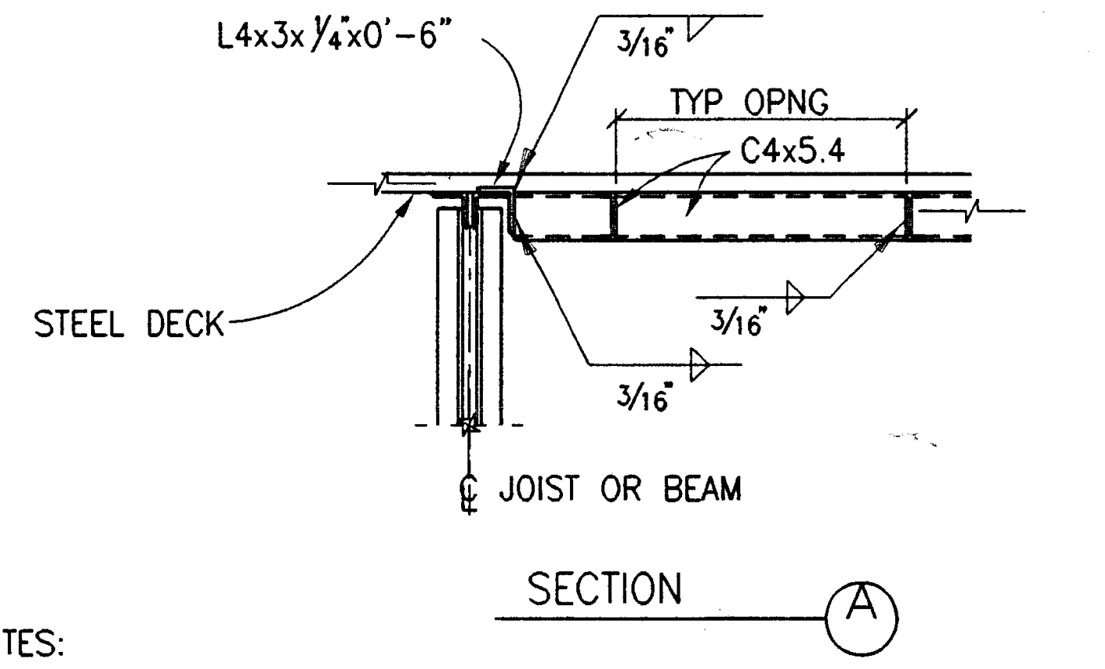
⑲



BROKEN-BACK STRINGER

⑱





SECTION Ⓐ

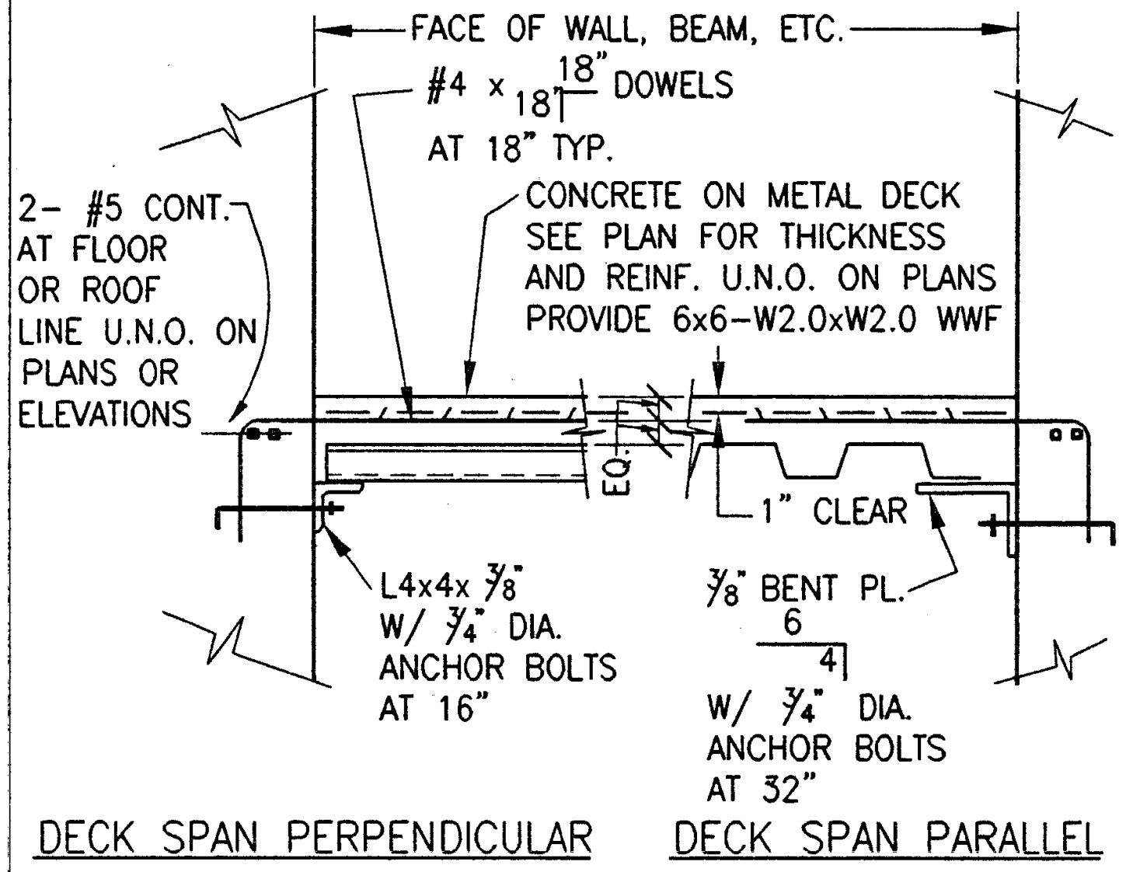
NOTES:

1. AT OPENINGS 12" AND SMALLER, PROVIDE 12 GA x 2" SHEET WELDED TO DECK. EXTEND SHEET 6" BEYOND EDGES OF DECK OPENING, ALL SIDES.
2. OPENINGS INCLUDE ROOF DRAIN RECEPTORS, PIPES, CONDUITS, SLEEVES, DUCTS, ETC. WHERE CLUSTERS OF THESE ITEMS IN ONE LOCATION MAY EXCEED 12, PROVIDE A FRAMED OPENING.

DD06-06

ROOF DECK FRAMING AT OPENINGS & MECHANICAL EQUIPMENT

⑰



DECK SPAN PERPENDICULAR

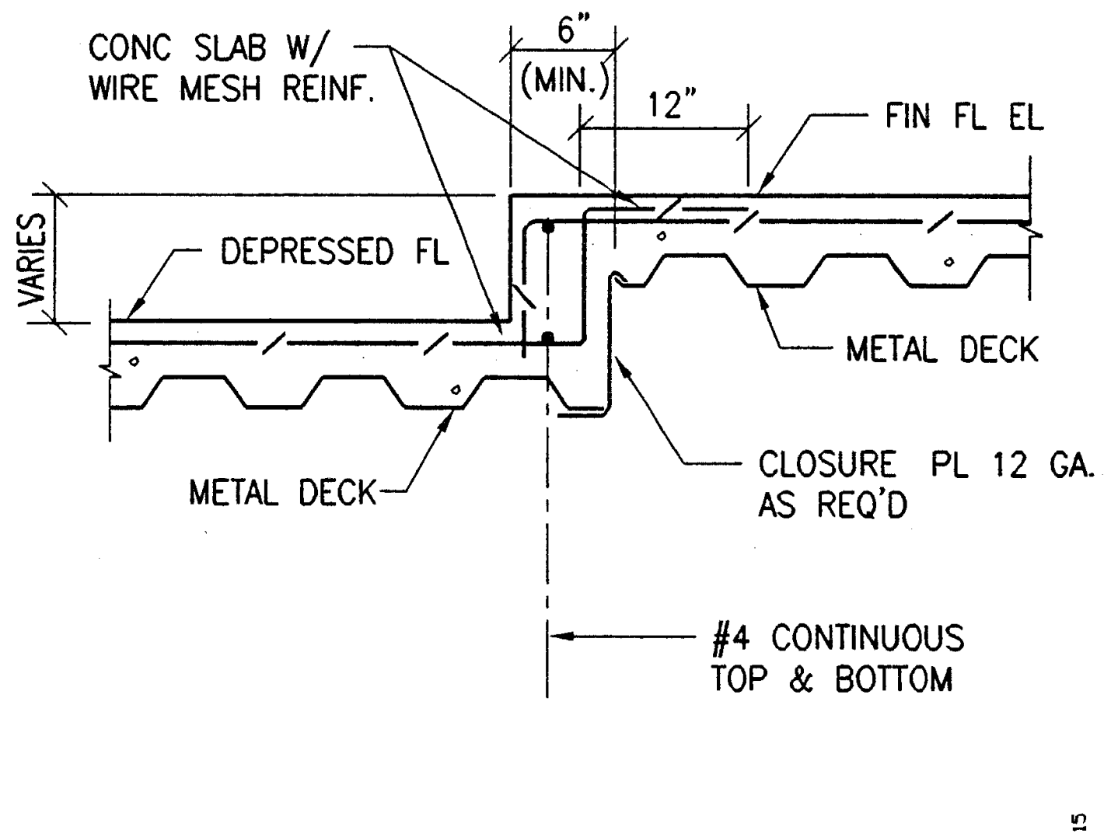
DECK SPAN PARALLEL

NOTES:
1 SEE PLAN FOR LEDGER SIZES AND ANCHORS. UNLESS NOTED OTHERWISE USE THIS DETAIL.
2 ALL DECK EDGES SHALL BE SUPPORTED.

DS04-21A

LEDGER ANGLES

⑯



DS04-15

EDGE OF DEPRESSION PARALLEL TO DECK SPAN

⑮

07/09/97 PROTO3-4 SX.X 3/4"=1'-0" JXXXX

PLOT DATE: 07.11.97

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APPL · 69120
AC____ FLS____ SS VK 128
DATE 3-20-98

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SEAL

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No. 1968
EXP. 12/31/01

MORRIS R. POINDEXTER
C-13906
3-31-99
RENEWAL DATE

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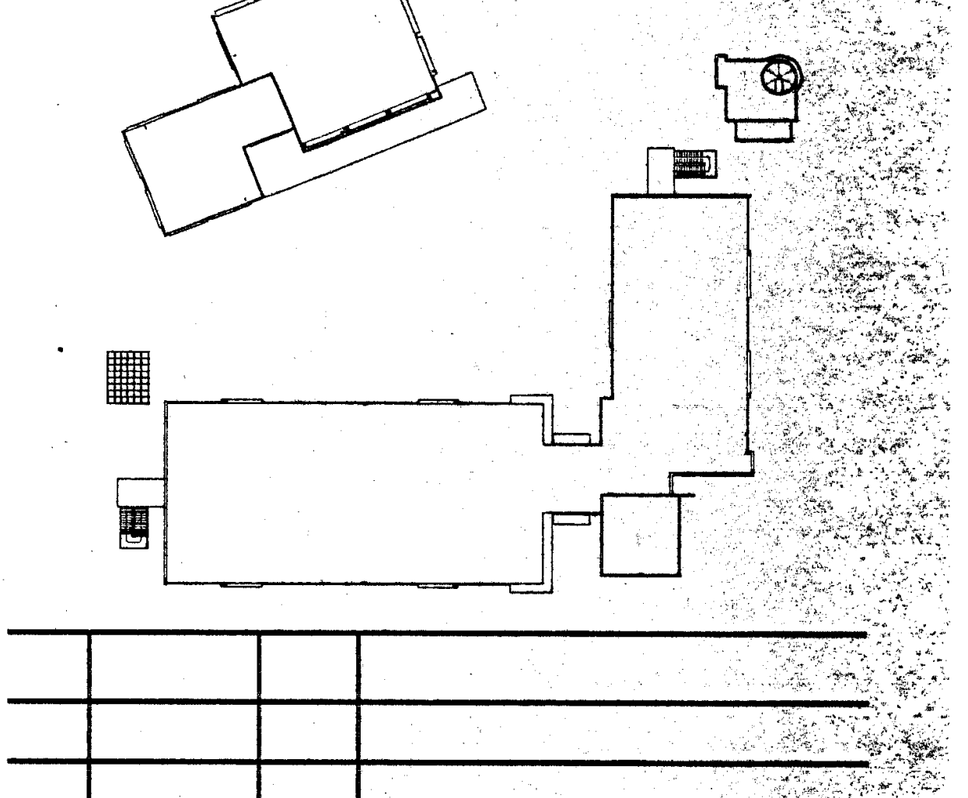
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

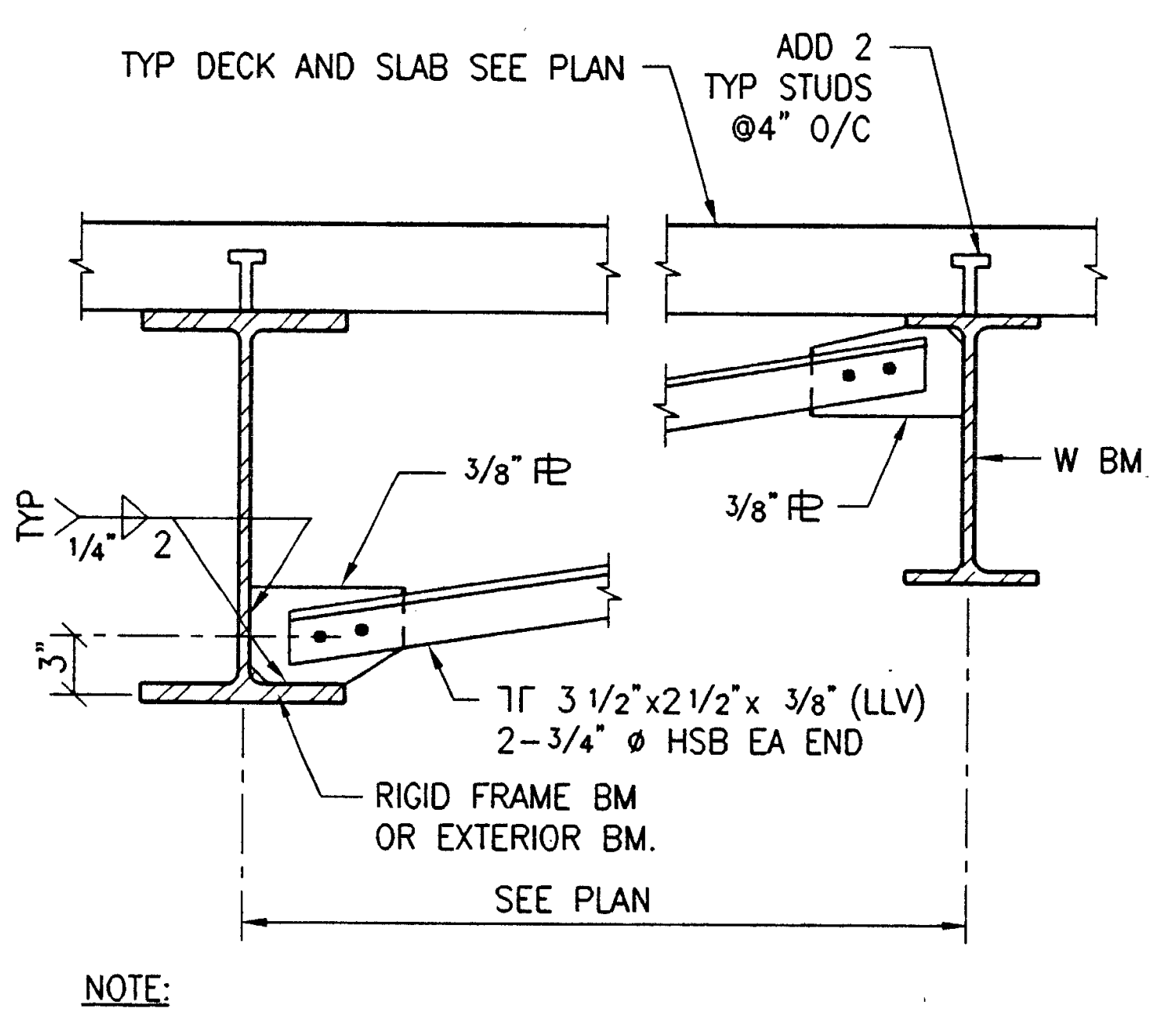
SHEET TITLE
MATH SCIENCE
TYPICAL DETAILS

FILE: S106-552
SCALE NONE
JOB NO. JGM
DATE 07.14.97
SHEET NO. S16
OF SHEETS

RIGID BEAM CONNECTION SCHEDULE

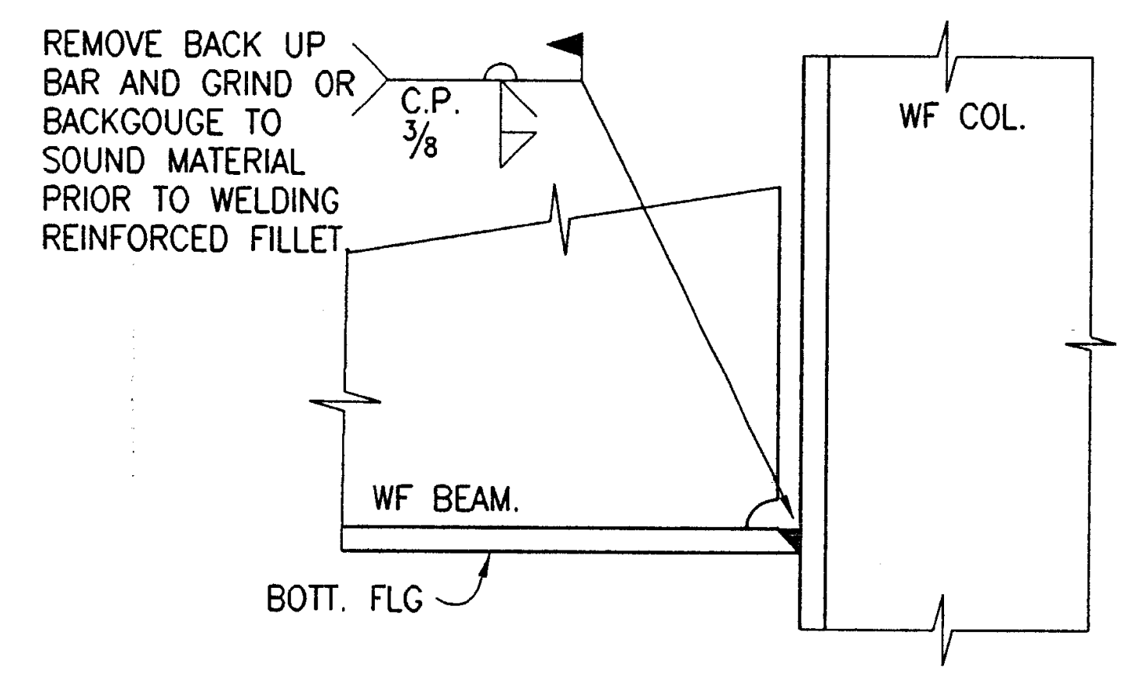
BEAM (DEPTH)	No. OF 1 1/8"ø BOLTS A325SC (ALT A490SC)	CONN PL t	WELD SIZE A
W8, W10	2	5/16"	1/4"
W12, W14	3	5/16"	1/4"
W16	6	5/8"	5/16"
W18	5	5/8"	5/16"
W21	6	5/8"	5/16"
W24	7	5/8"	5/16"
W27, W30	8	5/8"	5/16"
W33	9	3/4"	3/8"
W36	10	3/4"	3/8"

Ⓗ



NOTE:
BRACES SHOWN DASHED ON PLAN, ARROW DENOTES CONNECTION TO BOTTOM FLANGE.

RIGID FRAME LATERAL BRACING Ⓙ



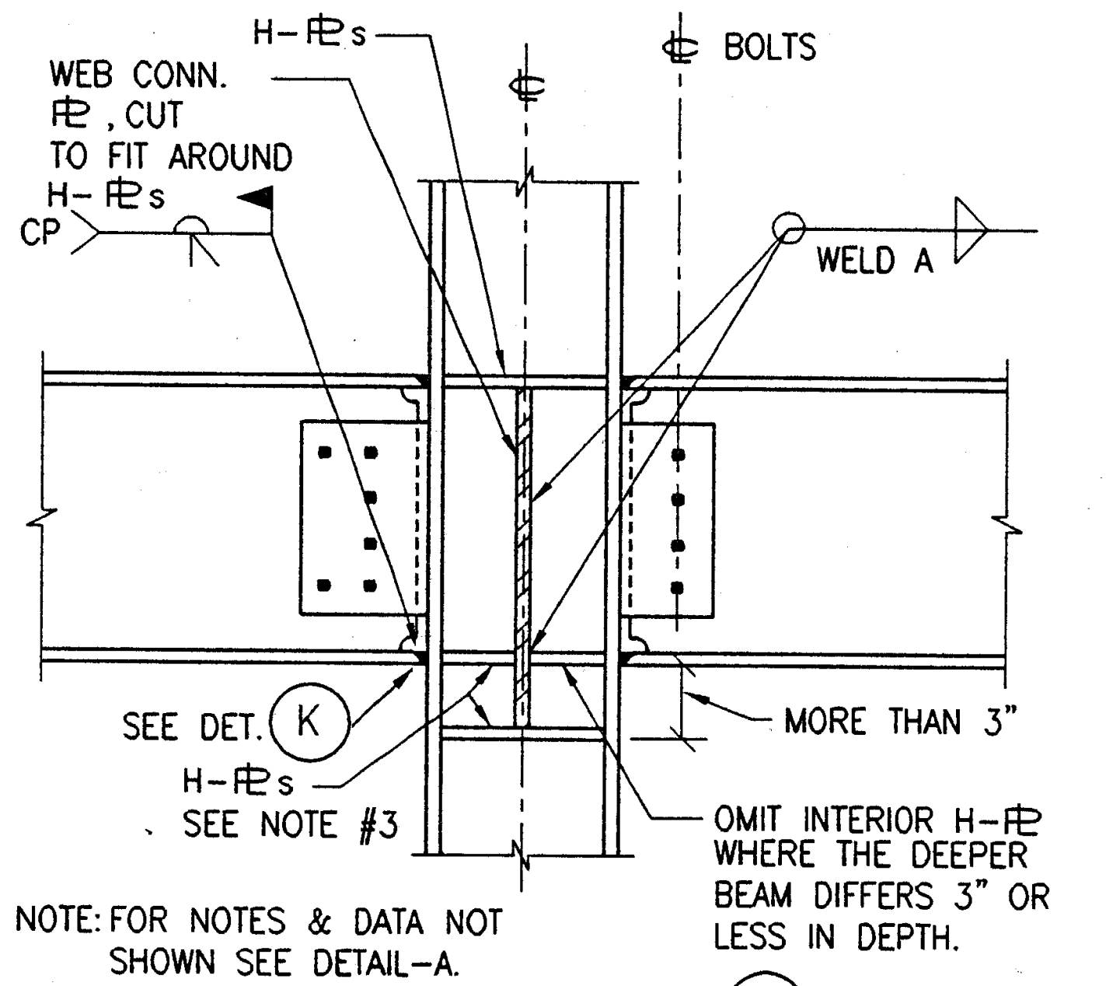
BOTTOM FLANGE WELD Ⓚ

NOTES:

1. SEE PLANS AND SCHEDULE FOR BEAM & COLUMN SIZES AND COLUMN ORIENTATION. A TRIANGLE AT THE END OF SINGLE STEEL BEAMS & GIRDERS (►——) INDICATES RIGID CONNECTION CENTERED ON COLUMN CENTERLINE U.N.O.
2. ABBREVATIONS:
   - H-PL : HORIZONTAL COLUMN STIFFENER PLATES
   - CP : COMPLETE PENETRATION BUTT WELD
   - U.N.O.: UNLESS OTHERWISE NOTED
   - tw : BEAM WEB THICKNESS
3. H-PL: U.N.O., HORIZONTAL & WEB CONNECTION PLATES SHALL BE THE SAME GRADE MATERIALS AS THE CONNECTING BEAM. COLUMN HORIZONTAL STIFFENER PLATES (H-PL) TO BE AS THICK AS THE THICKEST BEAM FLANGE BEING RIGIDLY CONNECTED TO THE COLUMN FLANGE LESS 1/4". WHERE RIGIDLY CONNECTED BEAMS FRAME INTO THE COLUMN WEB, HORIZONTAL PLATE THICKNESS IS TO BE AT LEAST THE THICKNESS OF THE BEAM FLANGES. PLATES TO BE MINIMUM 1/2" FOR COLUMN DEPTH UP TO 16", 5/8" THICK FOR DEPTHS IN EXCESS OF 16". WHERE THE BEAM FLANGE THICKNESS EXCEEDS 1 3/4", SUBMIT SPECIAL WELDING PROCEDURES FOR FLANGE & WEB WELDINGS PRIOR TO PROCEEDING.
4. FILLET WELD SIZES SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY A.I.S.C. TABLE 1.17. 2A.
5. WHERE DOUBLE ROW OF BOLTS ARE REQUIRED, USE MAXIMUM NUMBER POSSIBLE IN FIRST ROW AND BALANCE IN SECOND ROW.
6. a, FULL ULTRASONIC INSPECTION SHALL BE PROVIDED ON ALL COMPLETE PENETRATION GROOVE WELDS CONTAINED IN JOINTS AND SPLICES (TESTED 100 PERCENT).

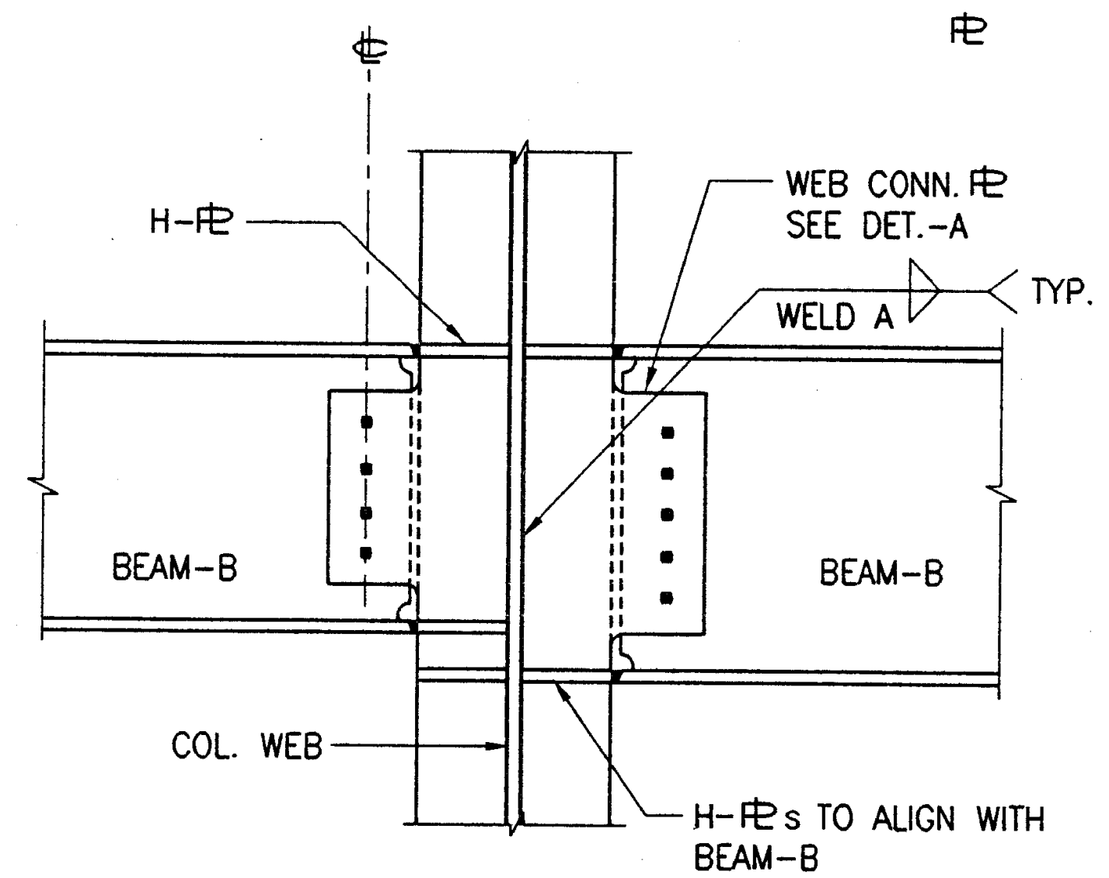
   b, PARTIAL PENETRATION GROOVE WELDS, WHEN USED IN COLUMN SPLICES, SHALL BE TESTED EITHER BY ULTRASONIC TESTING OR RADIOGRAPHY.

   c, BASE METAL THICKER THAN 1 1/2" INCHES, WHEN SUBJECTED TO THROUGH THICKNESS WELD SHRINKAGE STRAINS, SHALL BE ULTRASONICALLY INSPECTED FOR DISCONTINUITIES, AND SHALL BE ACCEPTED OR REJECTED ON THE BASIS OF THE DEFECT RATING IN ACCORDANCE WITH THE (LARGER REFLECTOR) CRITERIA OF U.B.C. SECTION 2212A.5.



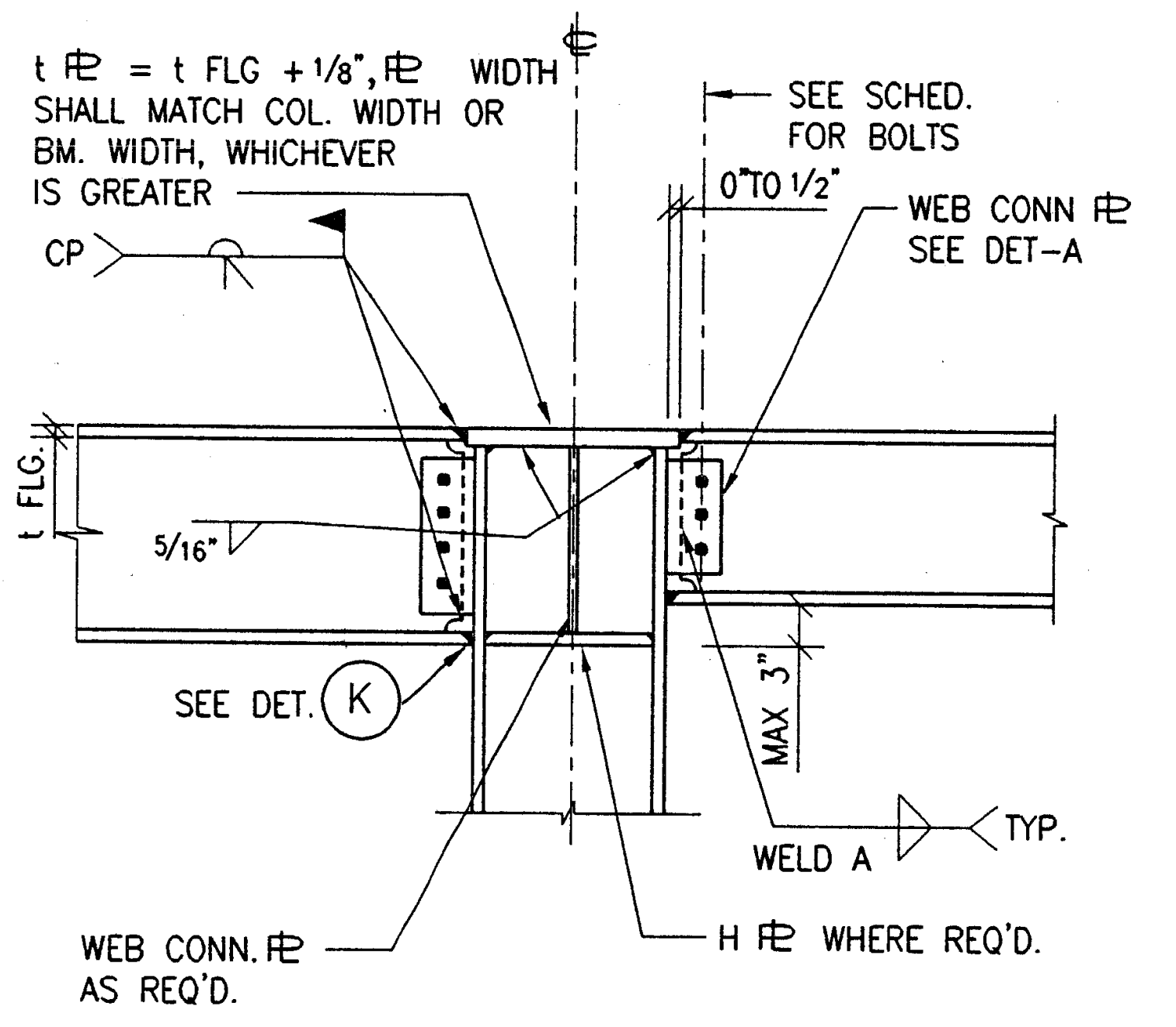
NOTE: FOR NOTES & DATA NOT SHOWN SEE DETAIL-A.

BEAM TO COLUMN FLANGE Ⓑ

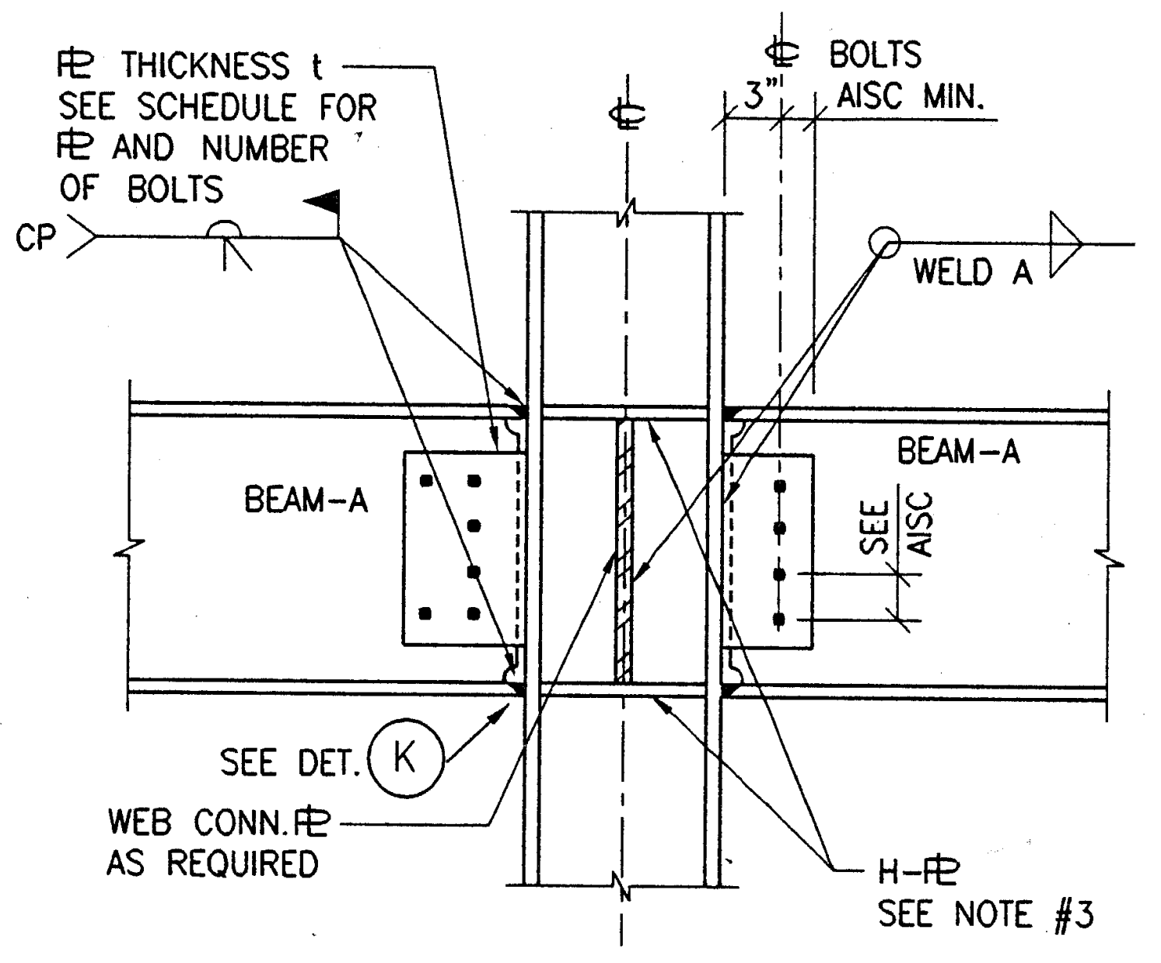


NOTE: FOR NOTES & DATA NOT SHOWN SEE DETAIL-C

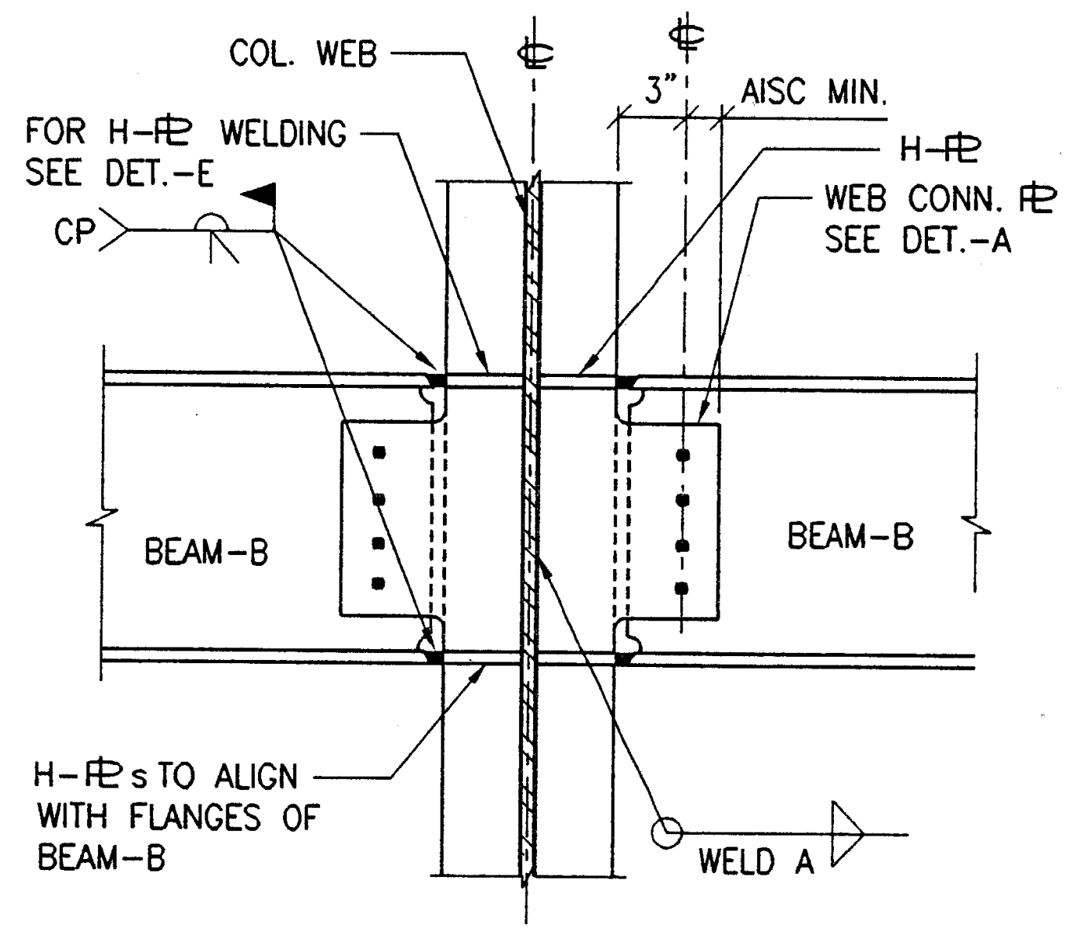
BEAM TO COLUMN WEB Ⓓ



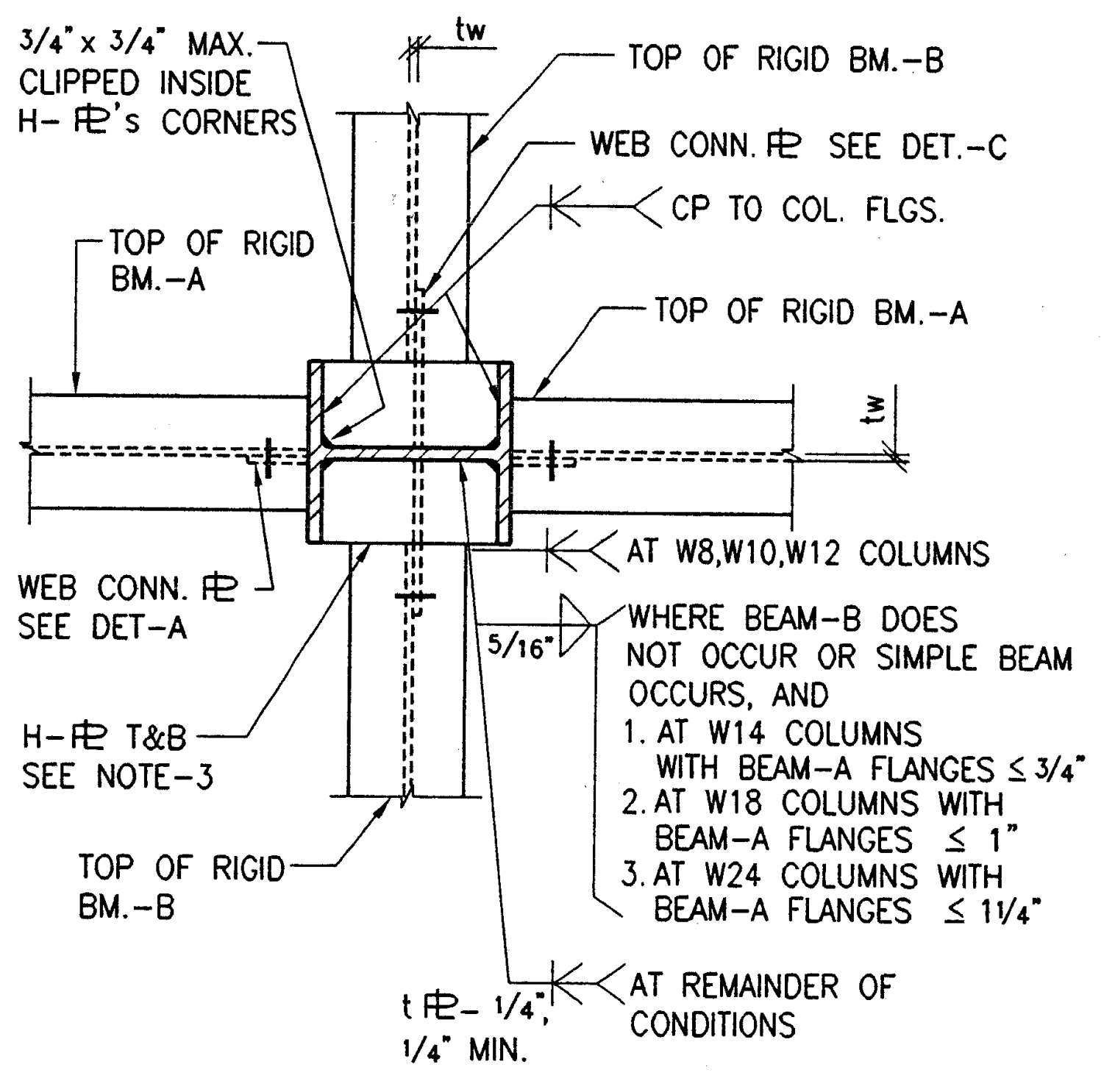
RIGID BEAM TO TOP OF COLUMN Ⓕ



BEAM TO COLUMN FLANGE Ⓐ



BEAM TO COLUMN WEB Ⓒ



PLAN AT COLUMN CONNECTION Ⓔ

MOMENT FRAME DETAILS ①

07/09/97 PROTO3-4 SX.X 3/4"=1'-0" JXXXX
PLOT DATE: 07.11.97

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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APPL · 69120
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213-382-3113
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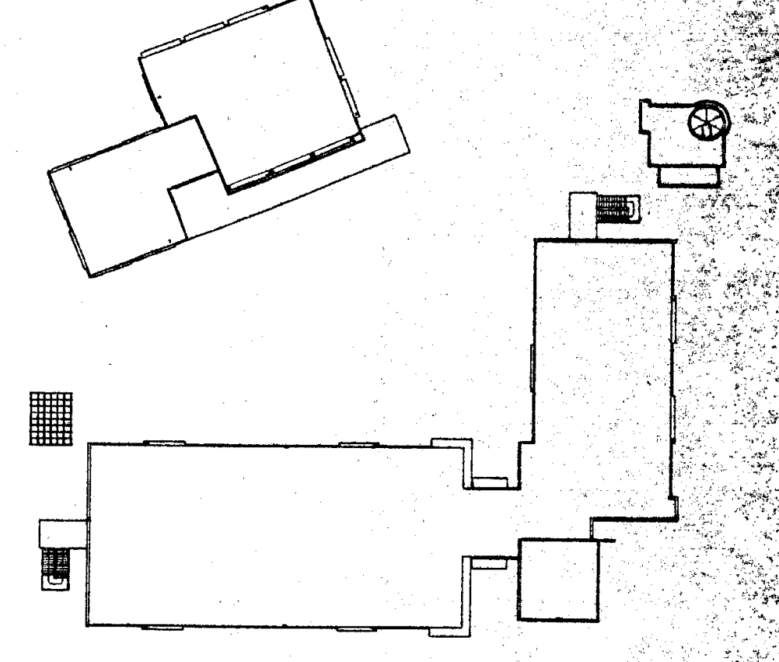
SEAL
JOHN A. MARTIN JR. No. 1958 EXP. 12/31/01 STRUCTURAL
MORRIS R. POINDEXTER C 13900 RENEWAL DATE 3-31-99

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE TYPICAL DETAILS

FILE: S107-552
SCALE NONE
JOB NO. JGM
DATE 07.14.97
SHEET NO. S1.7
OF____ SHEETS

FOOTING SCHEDULE			
MARK	SIZE	BOTTOM REINFORCING EACH WAY (UNO)	TOP REINFORCING ** EACH WAY (UNO)
A	3'-0" SQ. x 1'-0"	4-#4	
B	4'-0" SQ. x 1'-0"	4-#5	
C	5'-0" SQ. x 1'-0"	5-#5	
D	6'-0" SQ. x 1'-2"	5-#6	
E	7'-0" SQ. x 1'-4"	6-#6	
F	8'-0" SQ. x 1'-6"	8-#6	
G	9'-0" SQ. x 1'-8"	7-#7	
H	10'-0" SQ. x 2'-0"	9-#7	
J	11'-0" SQ. x 2'-0"	11-#7	
K	12'-0" SQ. x 2'-3"	10-#8	
AA	8'-0"x12'-0"x2'-3"	7-#8 LONG + 10-#8 SHORT	7-#6 LONG + 10-#6 SHORT
BB	12'-0"x9'-6"x2'-3"	8-#9 LONG + 10-#8 SHORT	8-#6 LONG + 10-#6 SHORT
CC	10'-0"x8'-0"x2'-0"	9-#7 LONG + 10-#7 SHORT	9-#6 LONG + 10-#6 SHORT
DD	6'-0"x11'-6"x2'-0"	7-#7 LONG + 10-#8 SHORT	7-#6 LONG + 10-#6 SHORT
EE	8'-6"x13'-0"x2'-6"	8-#9 LONG + 10-#8 SHORT	8-#6 LONG + 10-#6 SHORT
FF	8'-0"x6'-0"x1'-6"	8-#6 LONG + 10-#6 SHORT	7-#6 LONG + 10-#6 SHORT
GG	12'-0"x17'-6"x2'-4"	10-#8 LONG + 16-#8 SHORT	10-#7 LONG + 16-#7 SHORT

** PROVIDE TOP REINFORCEMENT WHERE NOTED 'T' ON PLANS.

COLUMNS AND BASE PLATE SCHEDULE			
MARK	SIZE	BASE PLATE	ANCHOR BOLTS
1	W8x28	9"x3/4"x0'-9"	4-3/4"ø
2	W8x31	9"x1"x0'-9"	4-3/4"ø
3	(W8x31)	9"x1 1/4"x0'-9"	4-3/4"ø
4	(W8x35)	9"x1 1/4"x0'-9"	4-3/4"ø
5	(W8x40)	12"x1 1/4"x1'-0"	4-3/4"ø
6	(W8x48)	12"x1 1/4"x1'-0"	4-3/4"ø
7	(W8x58)	12"x1 1/4"x1'-0"	4-3/4"ø
8	W10x49	12"x1 1/4"x1'-0"	4-3/4"ø
9	W10x54	12"x1 1/4"x1'-0"	4-3/4"ø
10	TS6x6x3/8	12"x5/8"x1'-0"	4-3/4"ø
11	TS6x6x1/2	12"x5/8"x1'-0"	4-3/4"ø
12	TS6x6x3/8	12"x1"x1'-0"	4-1"ø *
13	W14x90	16"x1"x1'-4"	4-1"ø *

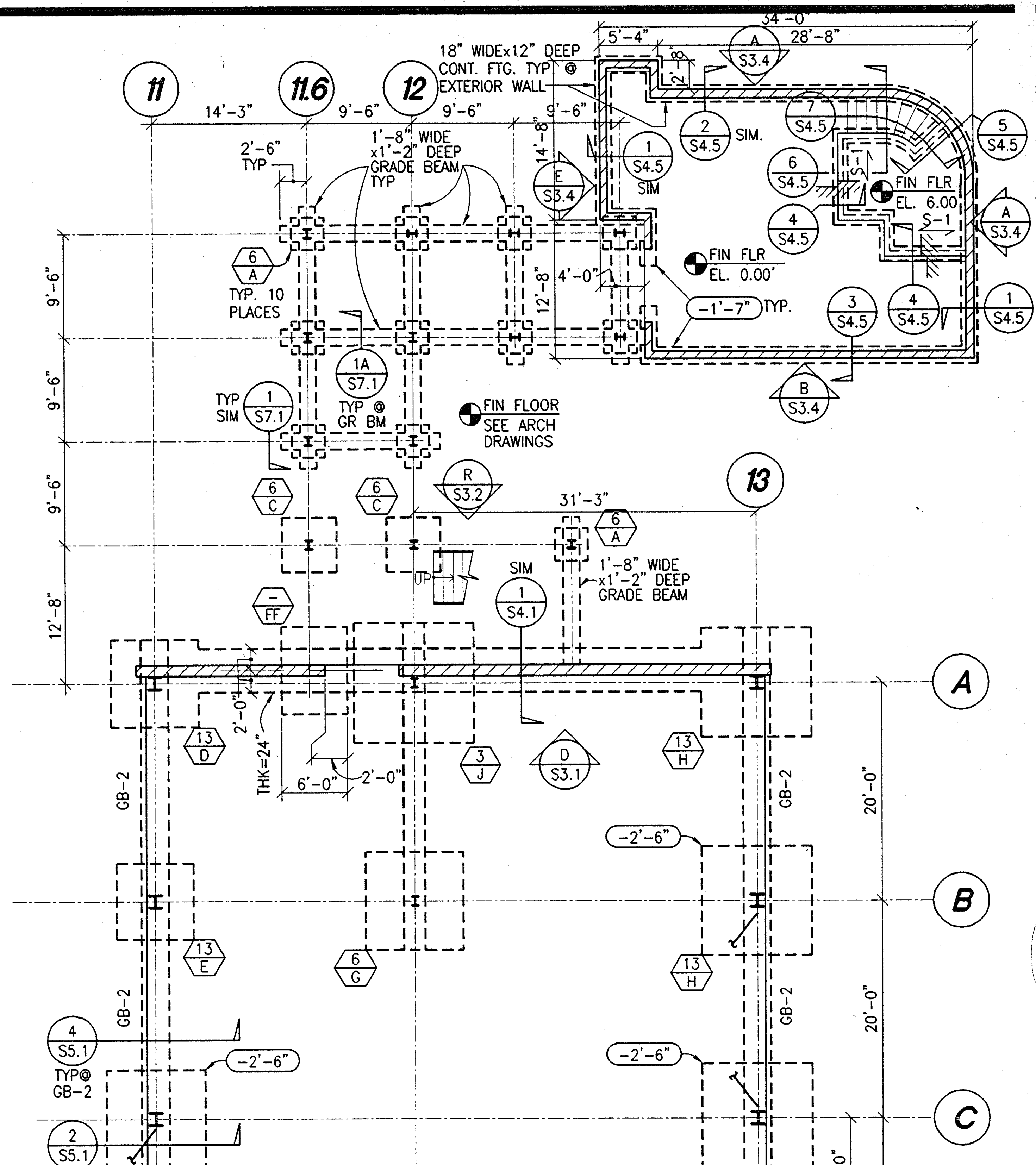
* INDICATES 3" SQ x5/8" PLATE AT END OF ANCHOR BOLT

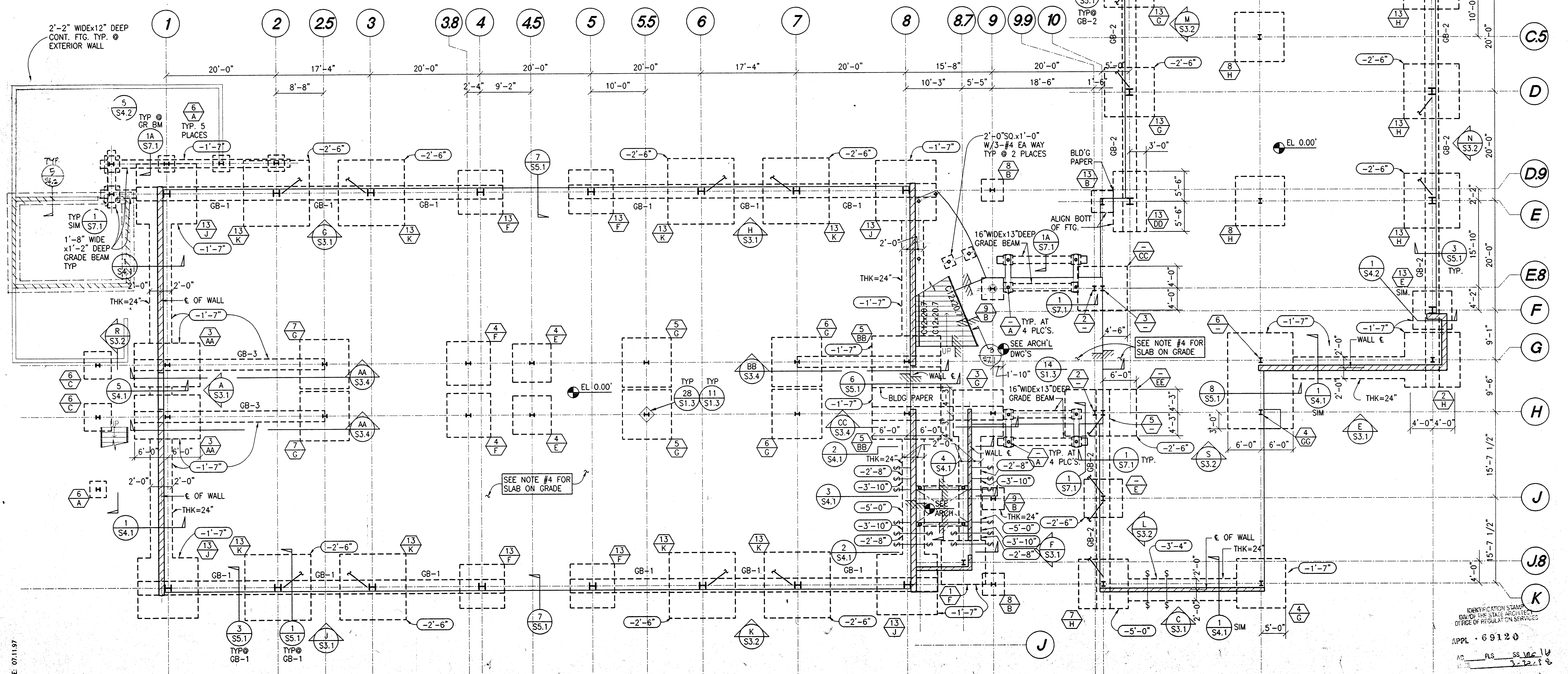
SLAB SCHEDULE			
MARK	THICK	ELEVATION	REMARKS
S-1	7"	24" 5'-0" #4@18" E.W. #4@12" E.W.	DESIGN LIVE LOAD = 100 PSF

GRADE BEAM SCHEDULE			
MARK	WIDTH	DEPTH	REMARKS
GB-1	30"	48"	-
GB-2	30"	36"	-
GB-3	-	-	SEE ELEVATIONS

NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS, SEE SHEETS S1.1 THRU S1.7.
2. VERIFY FINISHED FLOOR ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
3. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
4. SLAB ON GRADE SHALL BE 5" THICK CONCRETE WITH #4 AT 18" EACH WAY AT CENTER OF SLAB. FOR SETTING BED AND VAPOR BARRIER, SEE SOILS REPORT.
5. ELEVATION (EL) OF TOP OF SPREAD FOOTINGS SHALL BE 1'-6" BELOW EL TOP OF CONCRETE SLAB ON GRADE UNO. (-4'-6") INDICATES TOP OF FOOTING. DIMENSION BELOW LOWEST FINISHED FLOOR.
6. 1/A INDICATES INDIVIDUAL COLUMN MARKS. SEE SCHEDULE THIS SHEET. INDICATES FOOTING PAD MARKS. SEE SCHEDULE THIS SHEET.
7. H INDICATES BRACED FRAME ABOVE, SEE BRACED FRAME ELEVATIONS.
8. FOR SHEAR WALL ELEVATIONS, SEE SHEET S3.1 AND S3.4.
9. ℄ OF SPREAD FOOTING SHALL BE SAME AS ℄ OF COLUMN UNO.
10. GB-1 INDICATES GRADE BEAM MARK, SEE SCHEDULE THIS SHEET.
11. EL 1.00' INDICATES FINISHED FLOOR HEIGHT.





IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL · 69120

AC ____ FLS ____ SS VMC 1W

DATE 3-20-98

12/17/97 S201-552 S2.1 1/8"=1'-0" J8552

PLOT DATE: 07.11.97

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SEAL

JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01

MORRIS R. POINDEXTER
C-13900
3-31-99

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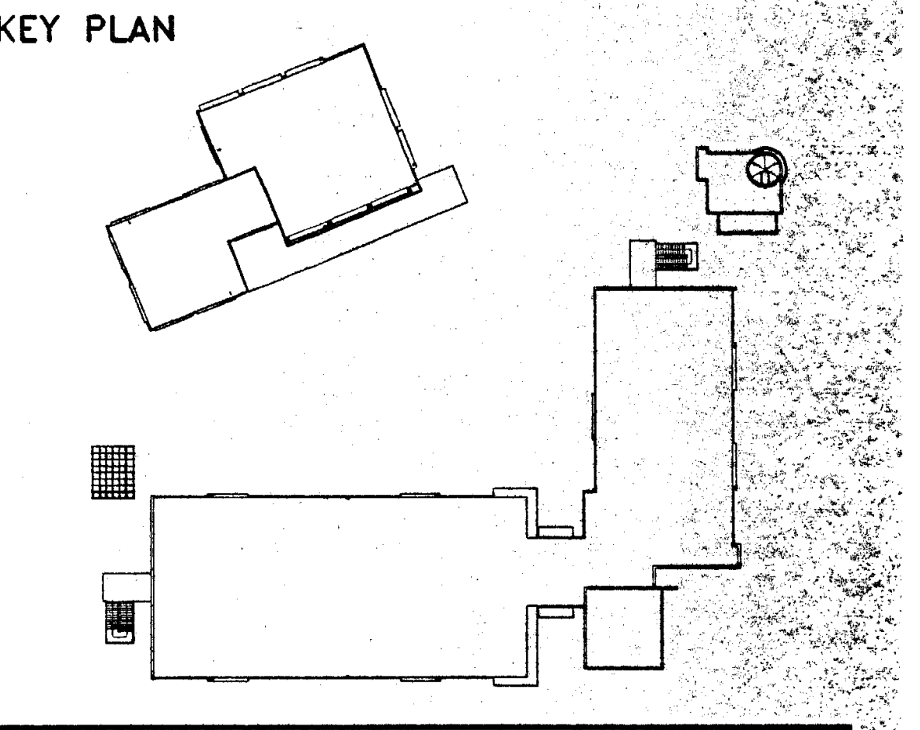
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

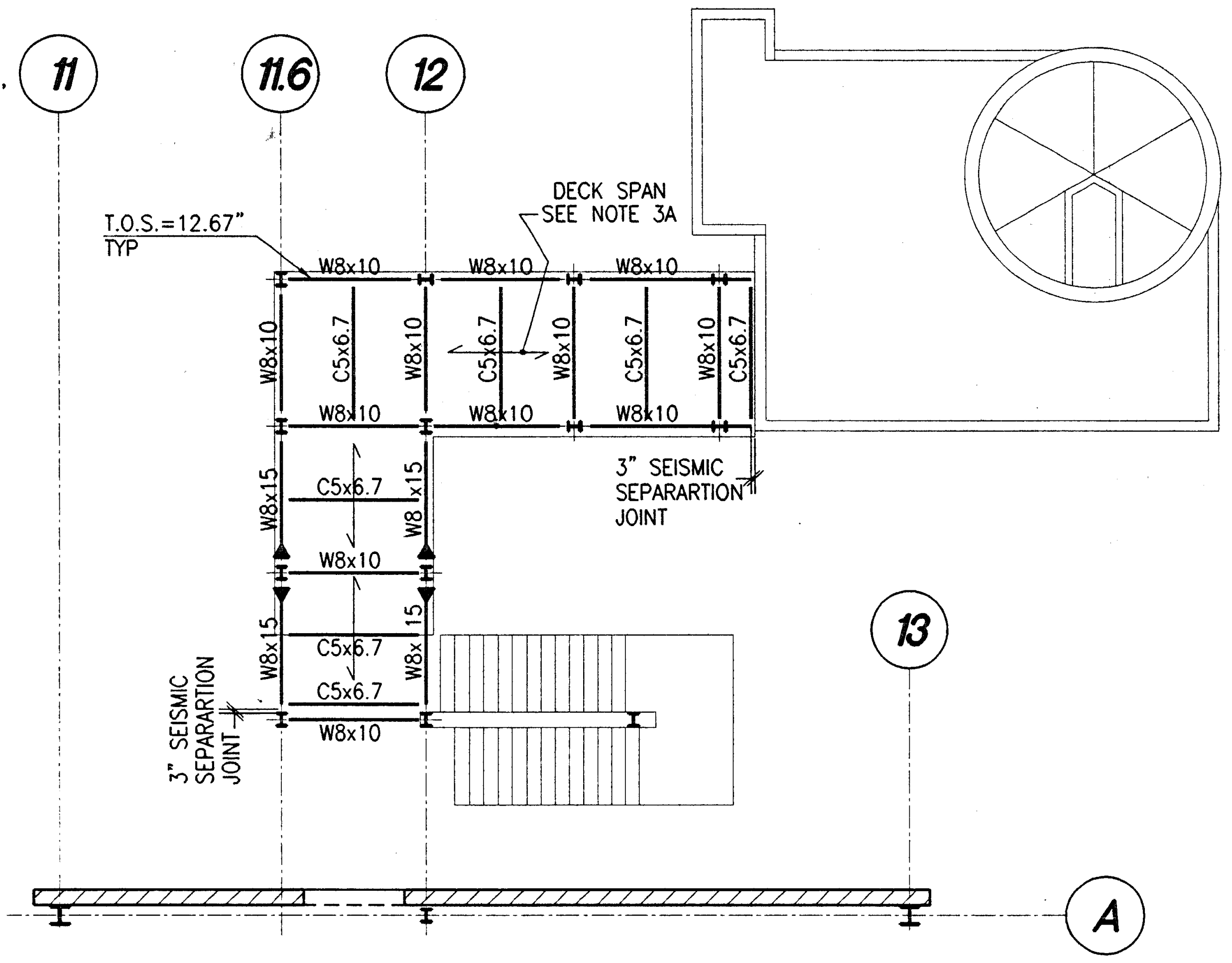
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE
BUILDING
FOUNDATION PLAN

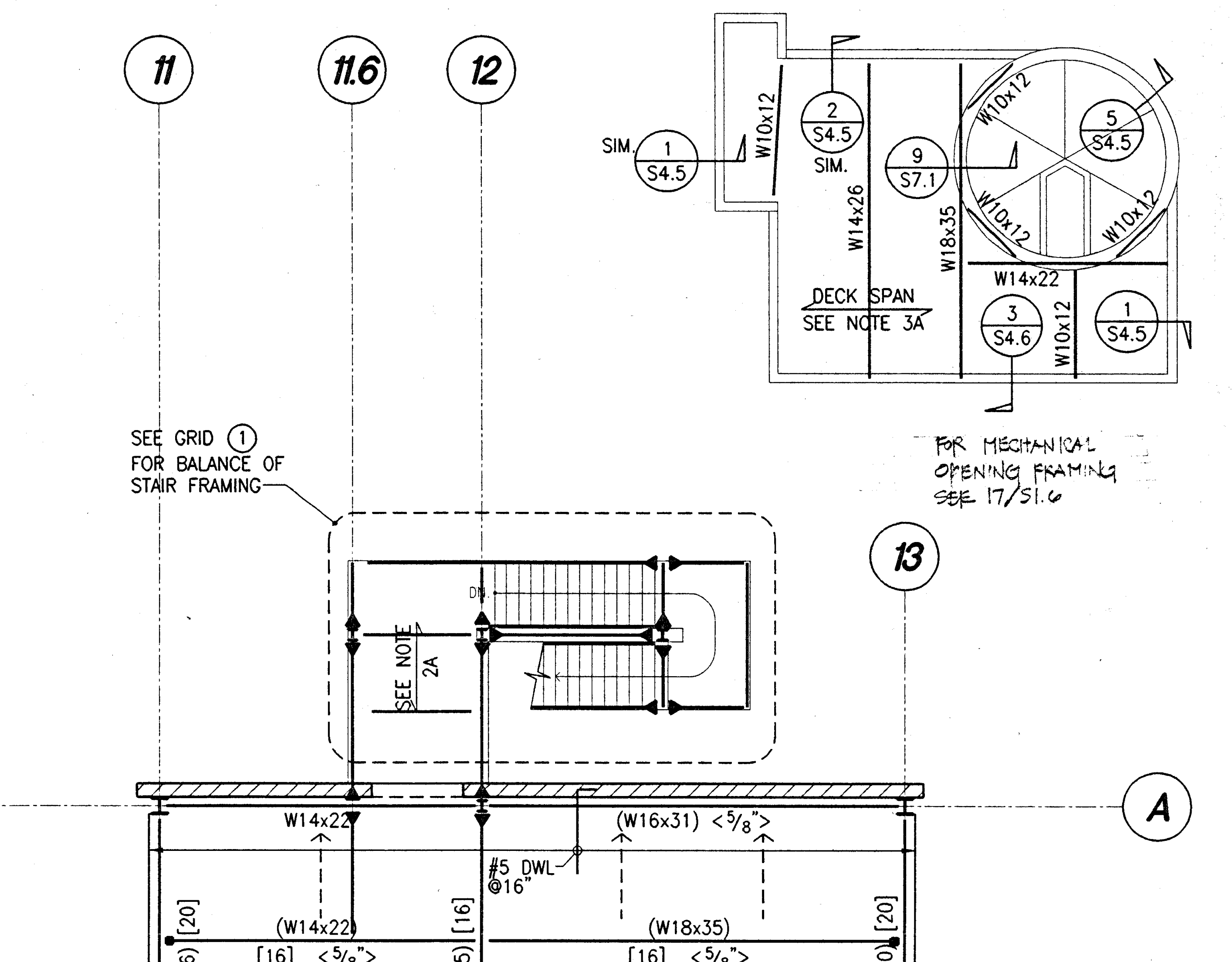
FILE: S201-552
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S2.1
OF ____ SHEETS

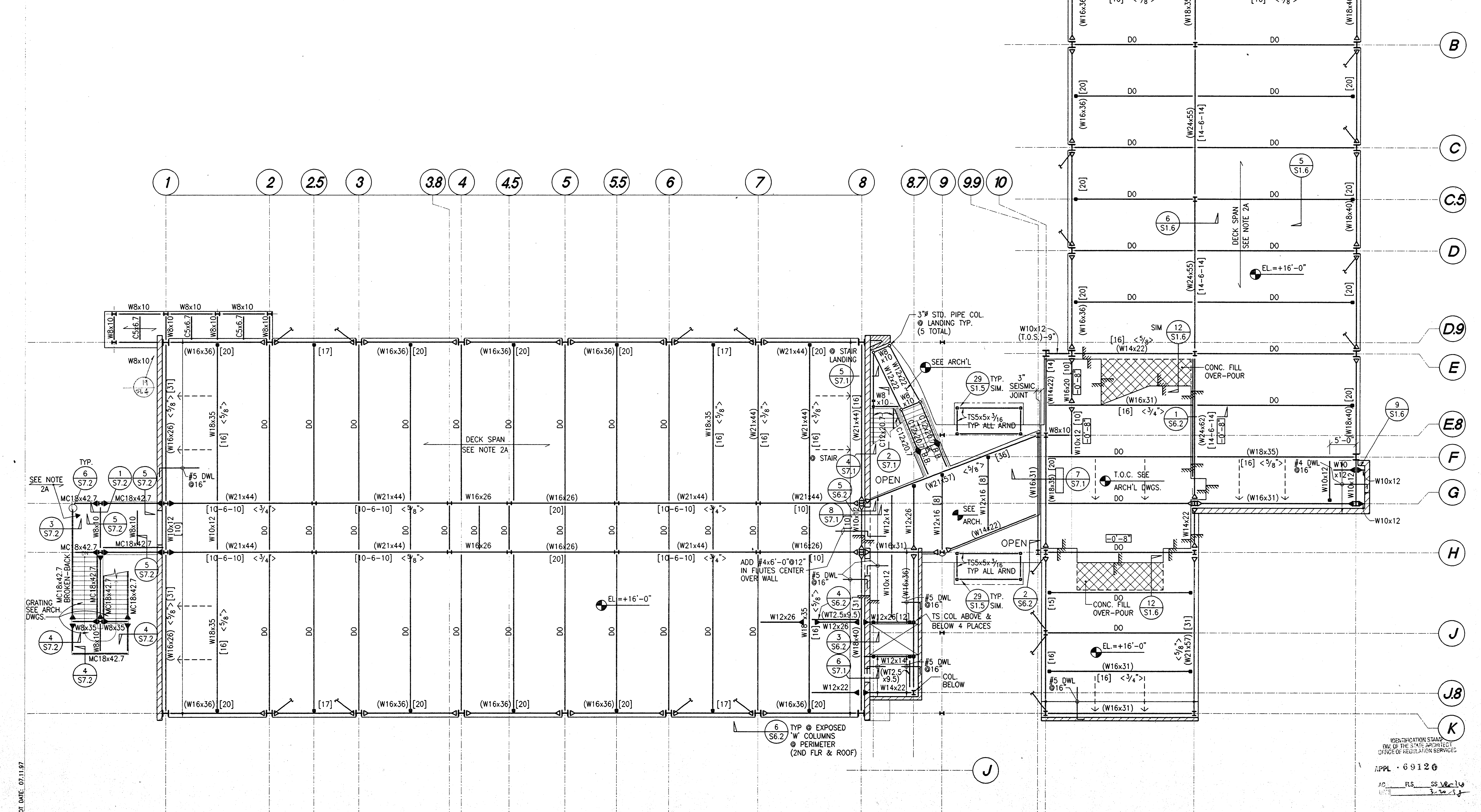
NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS, SEE S-1.1 THRU. S-1.7
2. FLOOR AND ROOF CONSTRUCTION:
    - 2A. 2 1/2" HARDROCK CONCRETE OVER 3" 18 GAUGE 3W FORMLOK BY VERCO (ICBO ER-2078) OR EQUIVALENT EQUAL WITH 6x6-4x4 WWF. TOTAL SLAB THICKNESS = 5 1/2"
      I MIN.=1.203 IN ^{4}
      S (+)=0.767 IN ^{3}
      S (−)=0.767 IN ^{3}
      STEEL ROOF DECK WELDING:
      1/2Ø EFFECTIVE PUDDLE WELDS @ 12" AT SUPPORTS (4 PER SHEET).
      1/2Ø EFFECTIVE MARGIN WELS @ 12" AT ALL OTHER MEMBERS.
      1 1/2"x1/2" SIDE SEAM WELDS @12".
3. ROOF CONSTRUCTION
    - 3A. 1 1/2"x16 GA HSB-36 BY VERCO (ICBO ER-2078P) OR APPROVED EQUAL
      I MIN.=0.377 IN ^{4}
      S (+)=0.411 IN ^{3}
      S (−)=0.417 IN ^{3}
      STEEL DECK WELDING:
      5-1/2"Ø DIA EFFECTIVE PUDDLE WELDS PER 36" SHEET PER SUPPORT.
      1/2"Ø EFFECTIVE MARGIN WELDS @ 24" ALL OTHER MEMBERS.
      1 1/2"x1/2 SIDE SEAM WELDS @ AT 24".
4. VERIFY FINISHED FLOOR ELEVATIONS WITH ARCHITECTURAL PLANS.
5. ━━• INDICATES BRACED FRAME ABOVE, SEE BRACED FRAME ELEVATIONS.
6. < 3/4 > INDICATES CAMBER W/BEAM (INCHES UPWARD MEASURED AT BEAM CENTER)
7. WHEN POURING CONCRETE FILL, SHOOT LEVEL WITH TRANSIT.
8. ⟵⟶ INDICATES DECK SPAN.
9. (W27x84) INDICATES ASTM A572 GRADE 50 MATERIAL.
10. ⊕ 15'-0" INDICATES TOP OF CONCRETE, VERIFY W/ARCH. DWGS'
11. TOP OF STEEL $\boxed{-0'-5\,1/2"}$ BELOW TOP OF STRUCTURAL SLAB TYPICAL, UNO. ON PLAN THUS $\boxed{-0'-8"}$
12. ▨ INDICATES DEPRESSION SEE ARCHITECTURAL DWGS.
13. [20] INDICATES NUMBER OF 3/4"Ø ROUND WELDED STUDS OVER WIDE FLANGE BEAM SEE DETAIL 3/S1.6. FOR STUDS AT FRAMES SEE FRAME ELEVATIONS.
14. HI – – – → LO INDICATES BOTTOM FLANGE BRACE SEE DETAIL 1J/S1.7
15. ▶—— INDICATES MOMENT CONN. SEE 9 & 10/S1.6
16. ▷—— INDICATES DRAG CONN. SEE 1/S1.7
17. ■—— INDICATES FULL HEIGHT STIFFENER, SEE 9/S1.5
18. —◆— INDICATES CUT, MITRE, WELD, SEE 18/S1.6



PARTIAL FRAMING PLAN @ ELEV. 12.67'





PLOT DATE: 07.11.97

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APPL · 69126
AC FLS SS

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APPROVED	VG

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SEAL

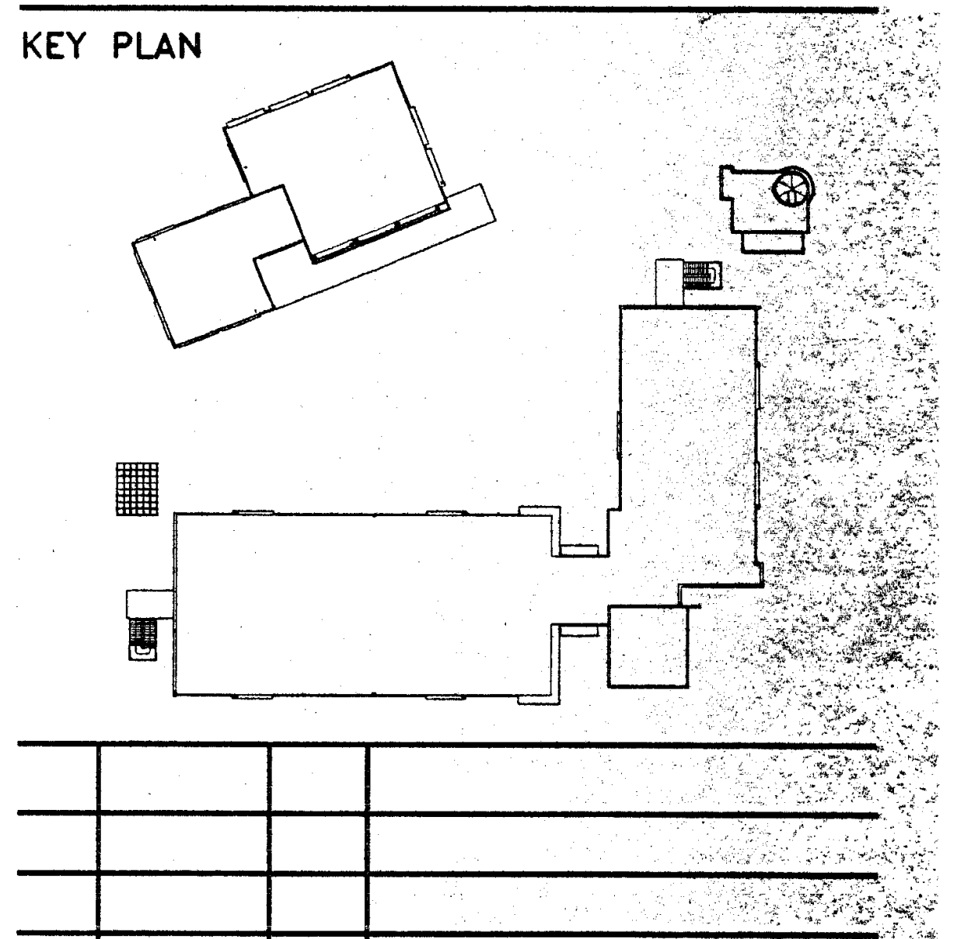
JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01

MORRIS R. POINDEXTER
C-13900
RENEWAL DATE

INTERIOR DESIGN

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

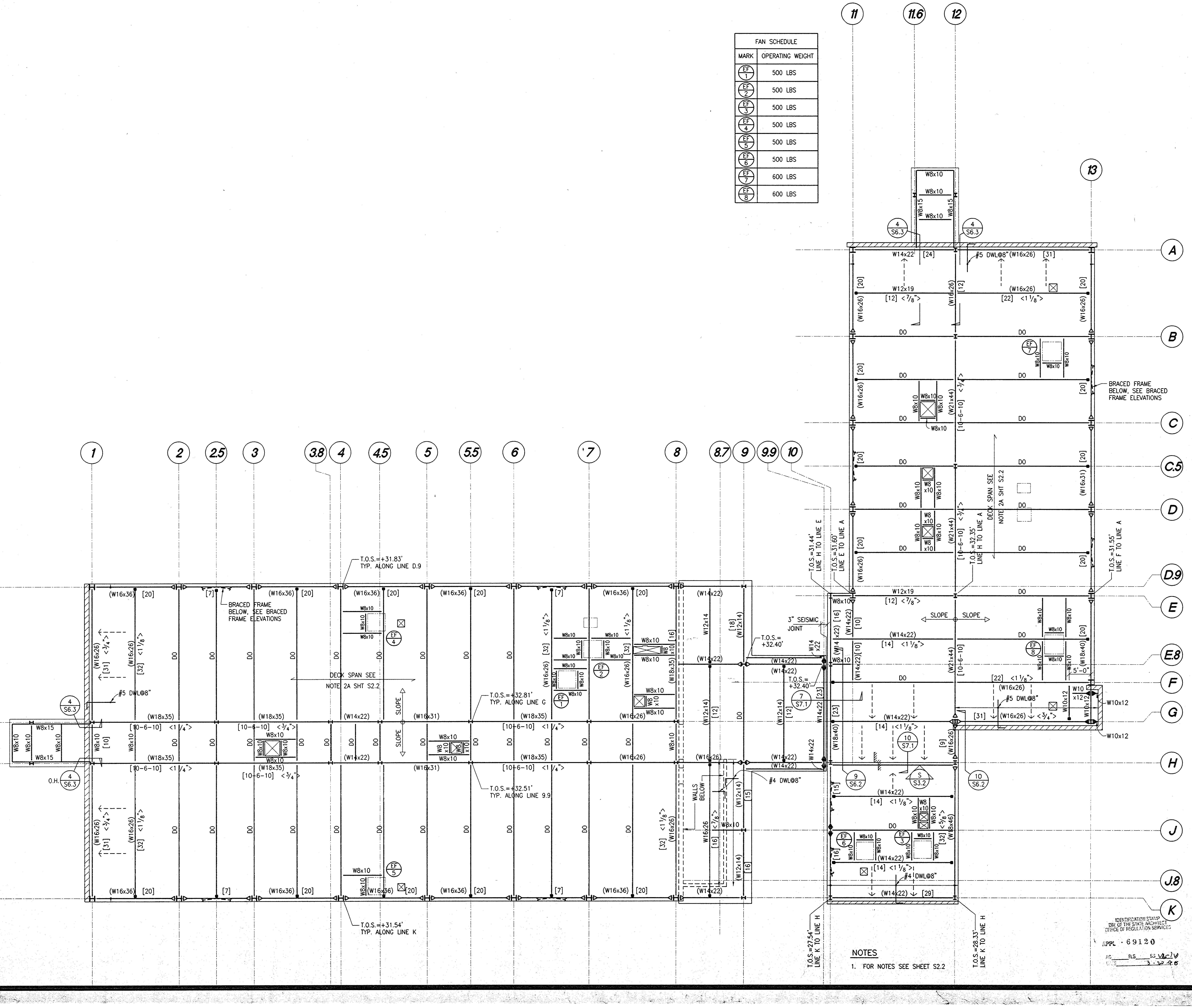
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MATH SCIENCE BUILDING SECOND FLOOR FRAMING PLAN

FILE:	S202-552	SHEET NO.
SCALE	1/8"=1'-0"	S2.2
JOB NO.	JGM	
DATE	07.14.97	OF ___ SHEETS

FAN SCHEDULE	
MARK	OPERATING WEIGHT
EF 1	500 LBS
EF 2	500 LBS
EF 3	500 LBS
EF 4	500 LBS
EF 5	500 LBS
EF 6	500 LBS
EF 7	600 LBS
EF 8	600 LBS



NOTES

1. FOR NOTES SEE SHEET S2.2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC____ FLS____ SS VIG 1V
DATE 3-20-98

PLOT DATE: 07.11.97

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No. 1958
EXP. 12/31/01

C-13900
3-31-99

INTERIOR DESIGN

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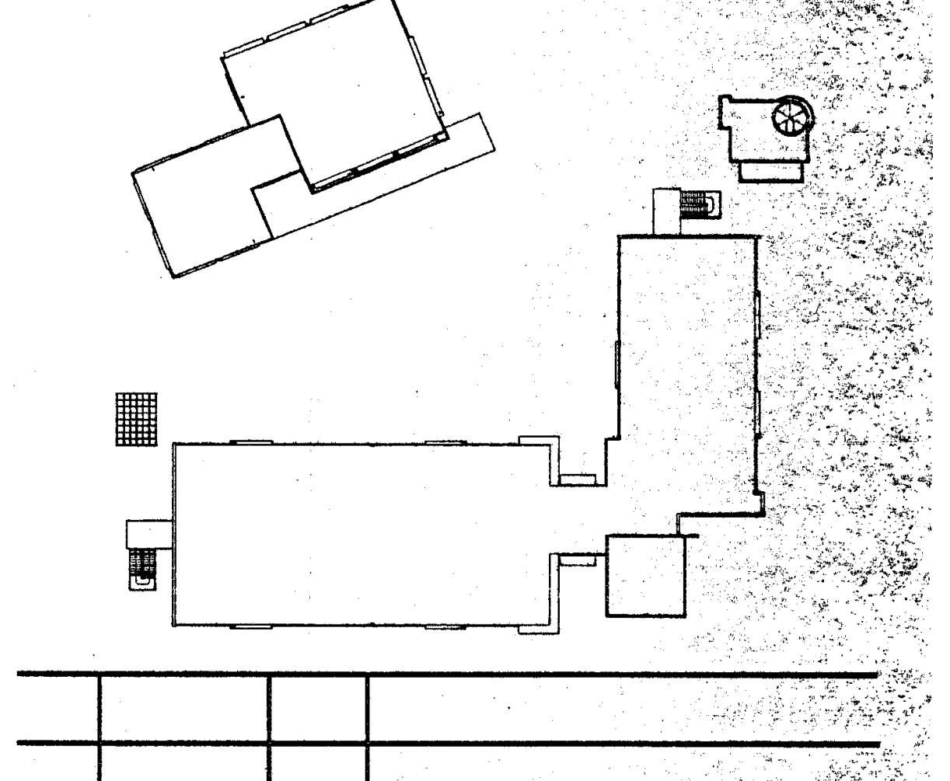
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

MATH SCIENCE BUILDING ROOF FRAMING PLAN

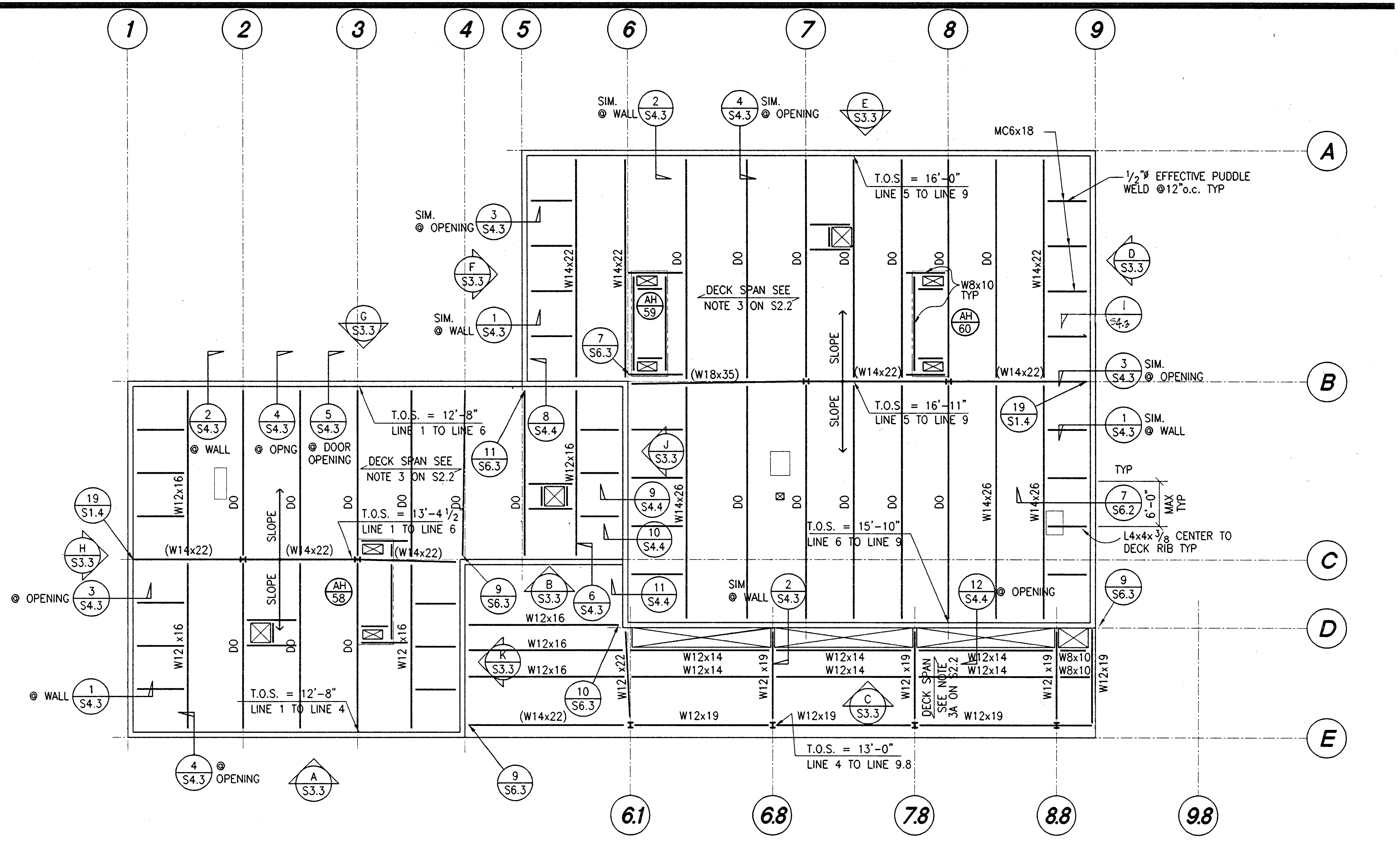
FILE: S203-552
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S2.3
OF ____ SHEETS

AIR HANDLING UNITS SCHEDULE	
MARK	OPERATING WEIGHT
AH 58	2400 LBS
AH 59	2400 LBS
AH 60	2400 LBS

NOTE:

VERIFY OPERATING WEIGHTS WITH MECHANICAL DRAWINGS

B	COLUMNS AND BASE PLATE SCHEDULE		
MARK	SIZE	BASE PLATE	ANCHOR BOLTS
1	W8x31	9"x1"x0'-9"	4-5/8"ø
2	(W8x35)	9"x1"x0'-9"	4-5/8"ø
3	(W8x35)	9"x1 1/4"x0'-9"	4-5/8"ø
4	W8x31	9"x3/4"x0'-9"	4-5/8"ø
5	W8x28	9"x3/4"x0'-9"	4-5/8"ø

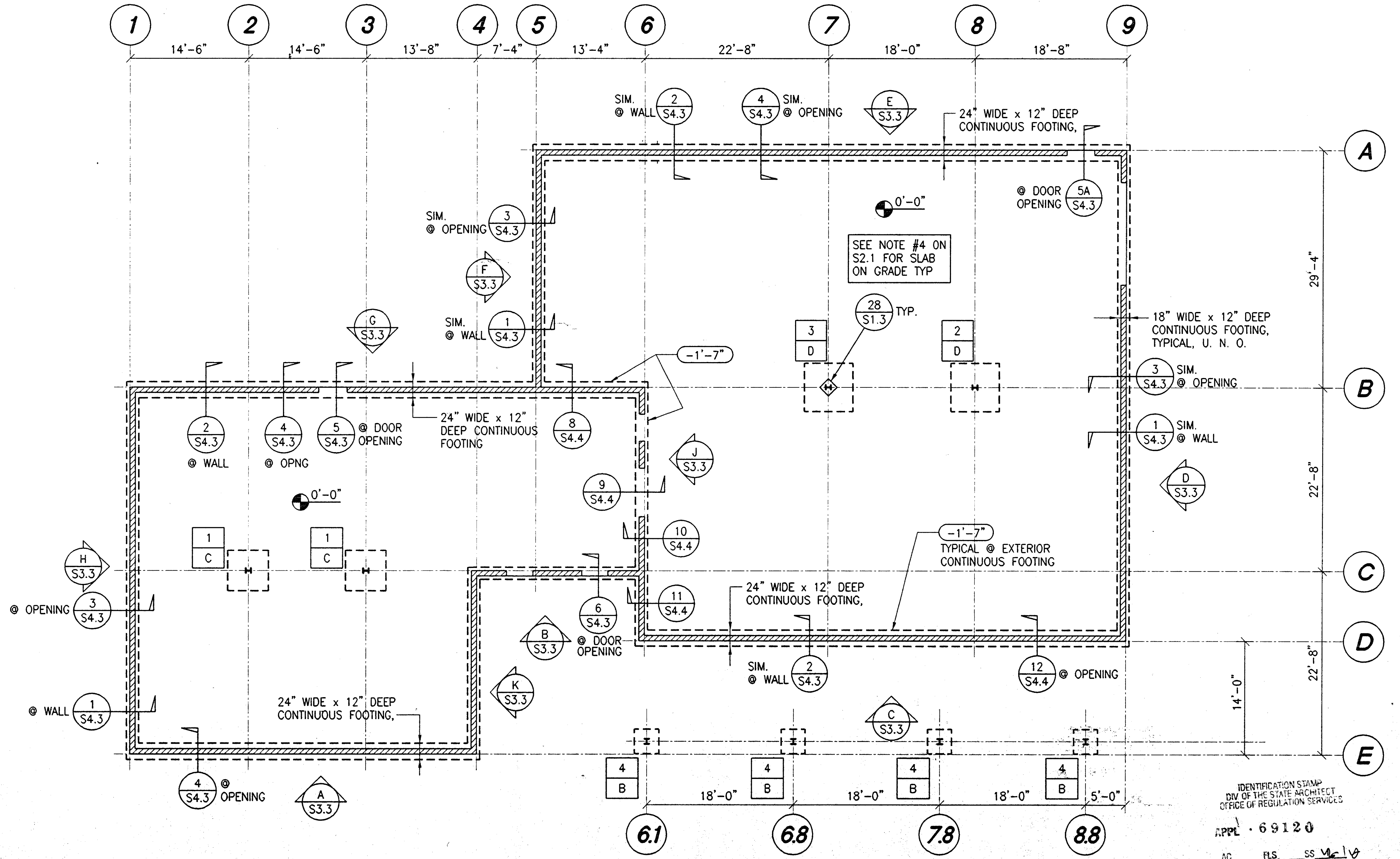


NOTE:

1. SEE S2.3 FOR NOTES & BALANCE OF INFORMATION.

ROOF FRAMING PLAN

1/8" = 1'-0"



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DIV OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC______ FLS______ SS Mc 1 V
DATE 3. 20. 98

NOTE:

SEE S2.1 FOR NOTES & BALANCE OF SCHEDULE.

FOUNDATION PLAN

1/8" = 1'-0"

08/13/97 S204-552 S2.4 1/8"=1'-0" J8552

PLOT DATE: 07.11.97

JGM

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SEAL

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No. 1958
EXP. 12/31/01

MORRIS R. POINDEXTER
C-3900
RENEWAL DATE

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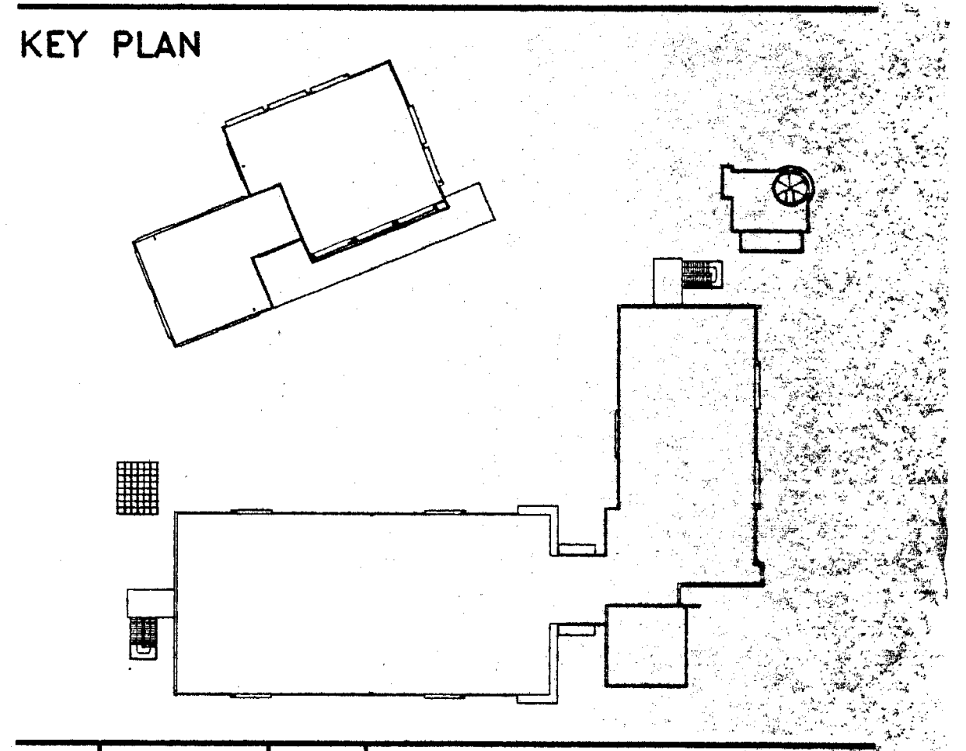


NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

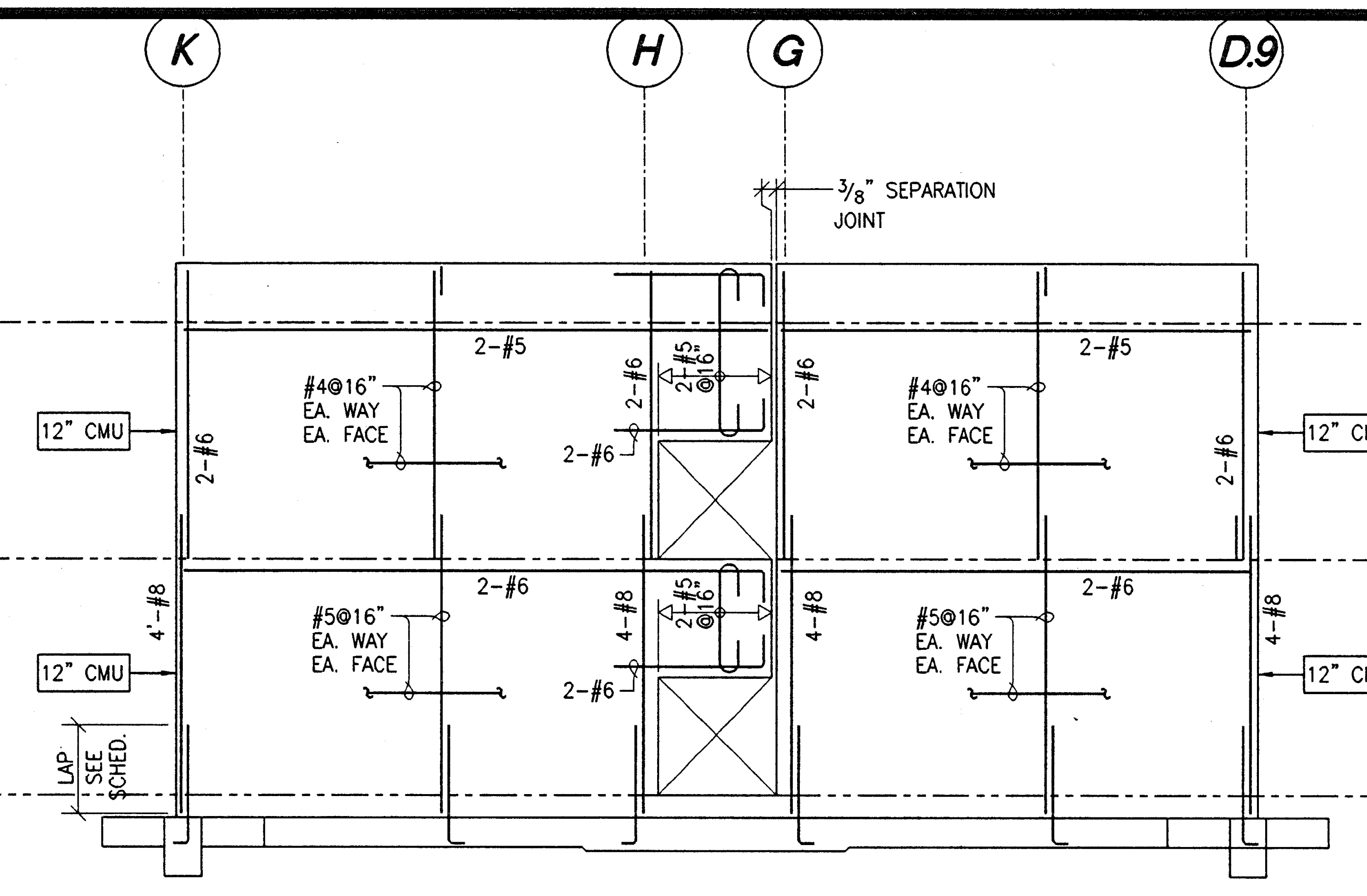
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

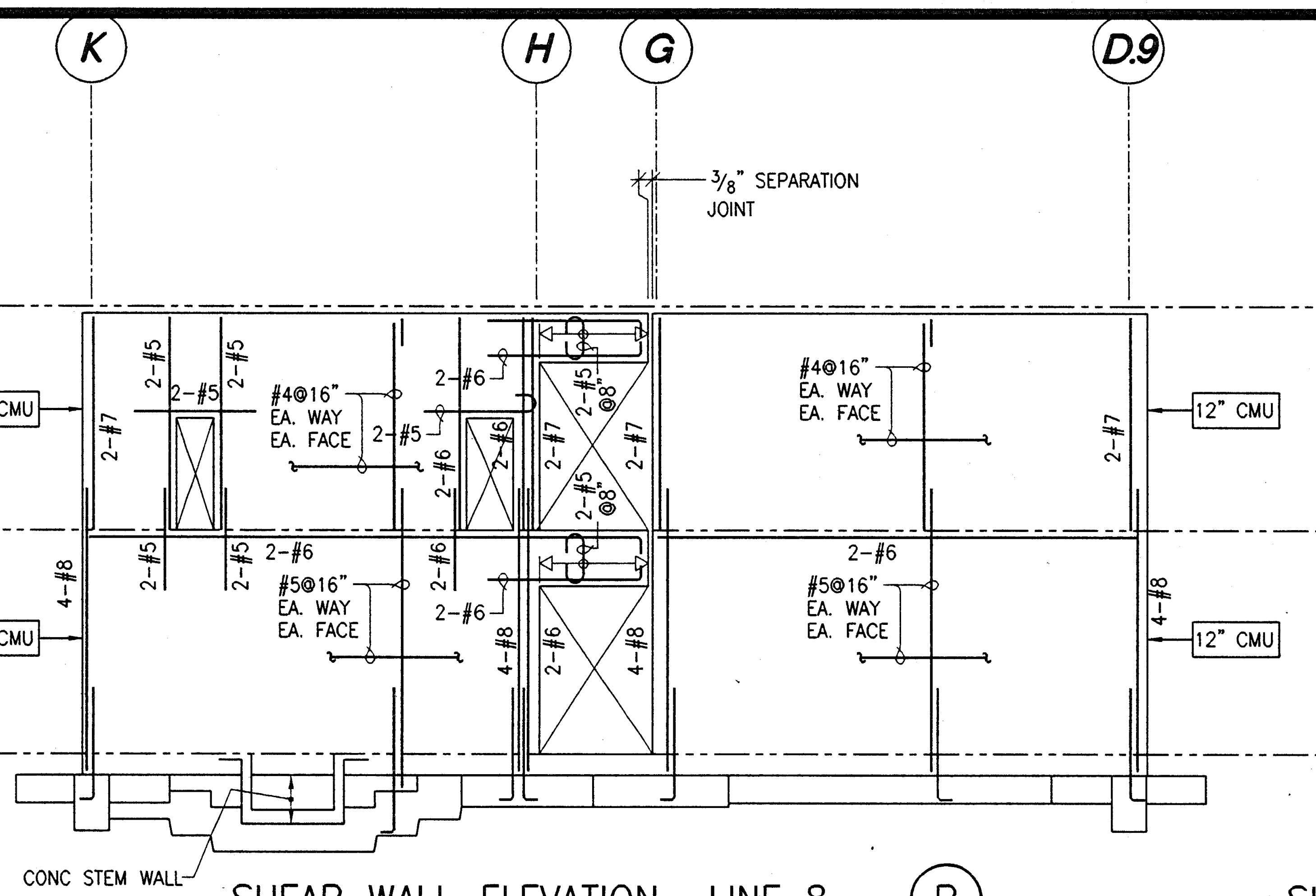
MIS/PRINT SHOP BUILDING
FOUNDATION +
ROOF FRAMING PLAN

FILE: S204-552
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 07.14.97

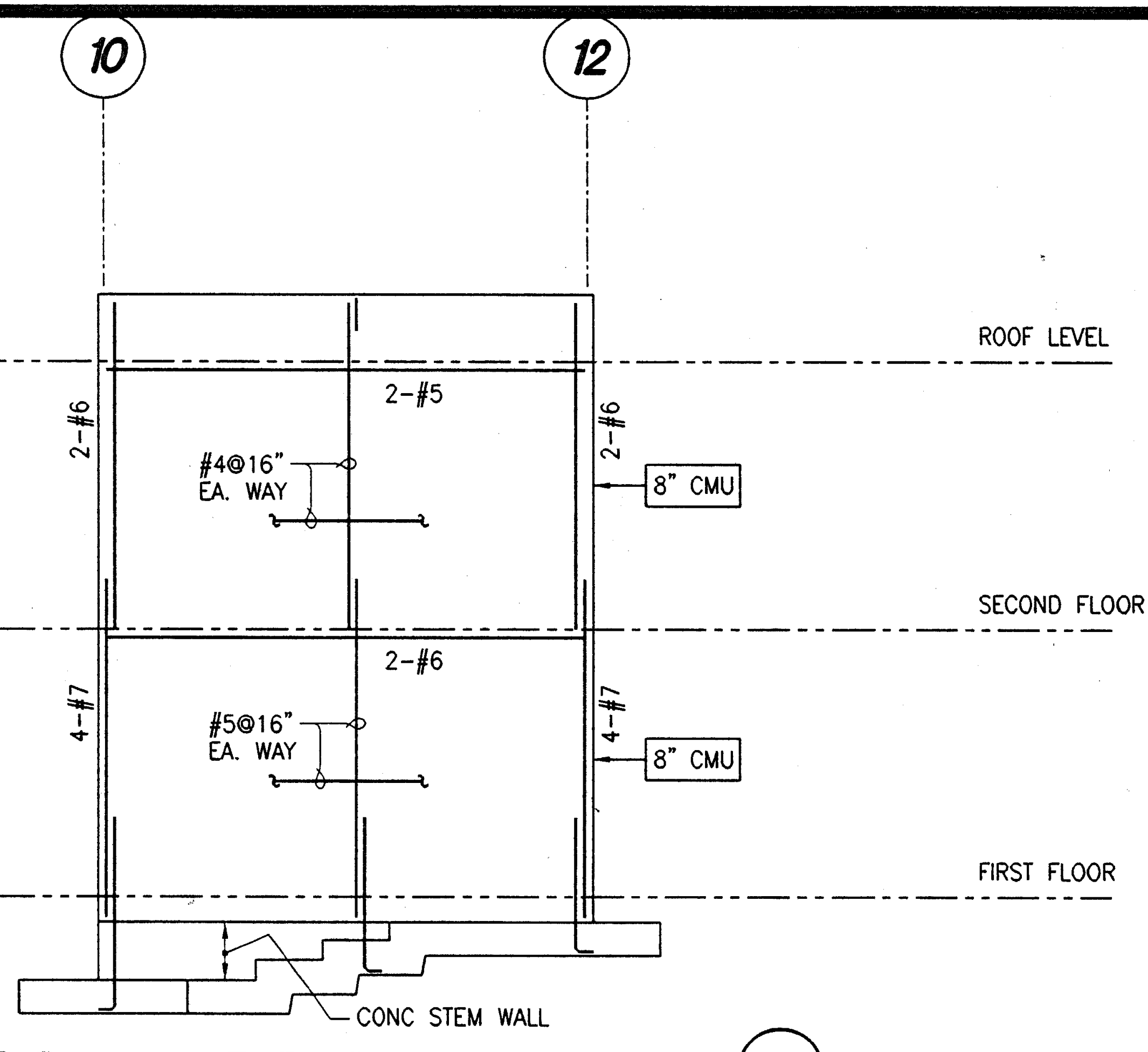
SHEET NO.
S2.4
OF______SHEETS



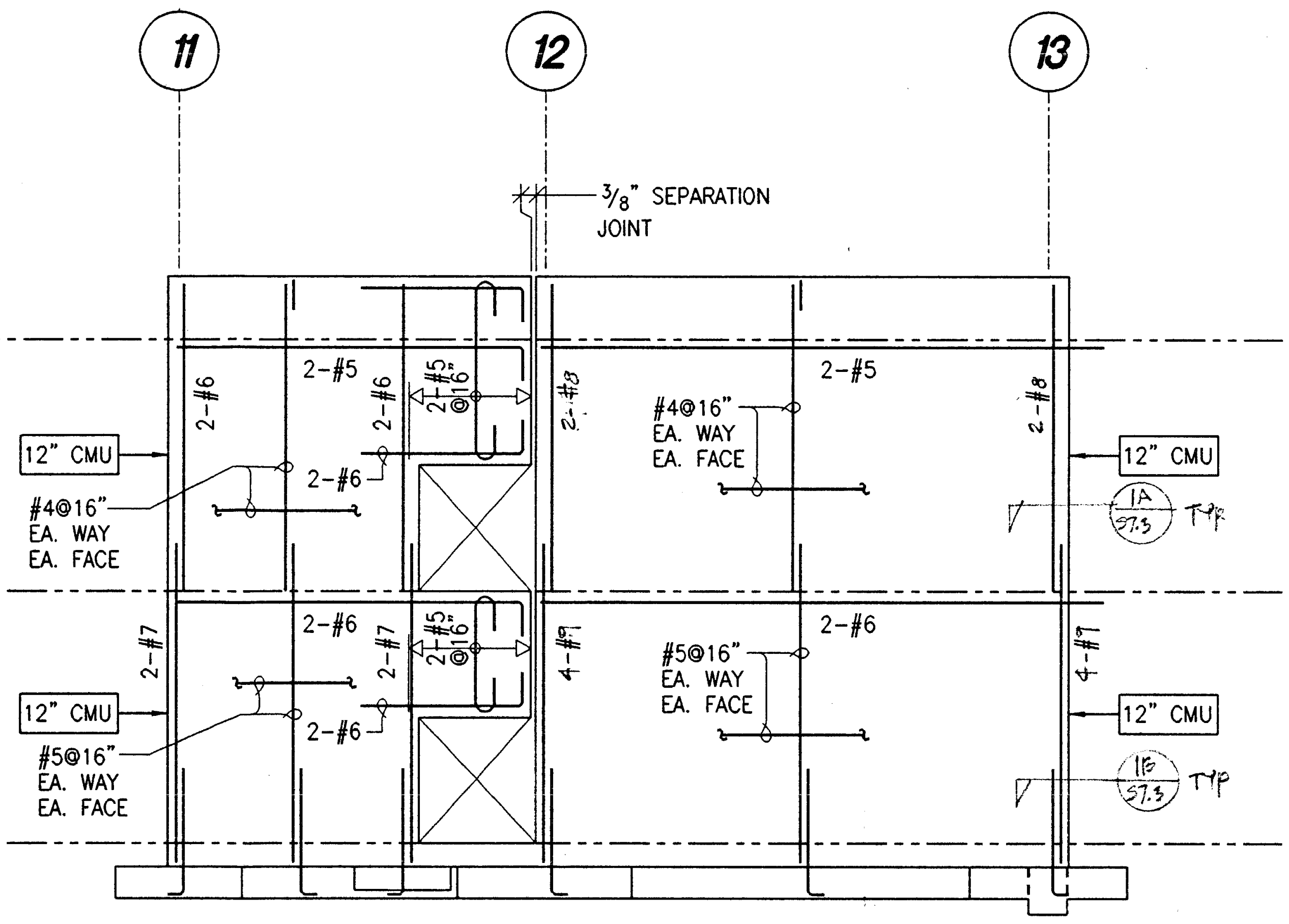
SHEAR WALL ELEVATION LINE 1 (A)
1/8" = 1'-0"



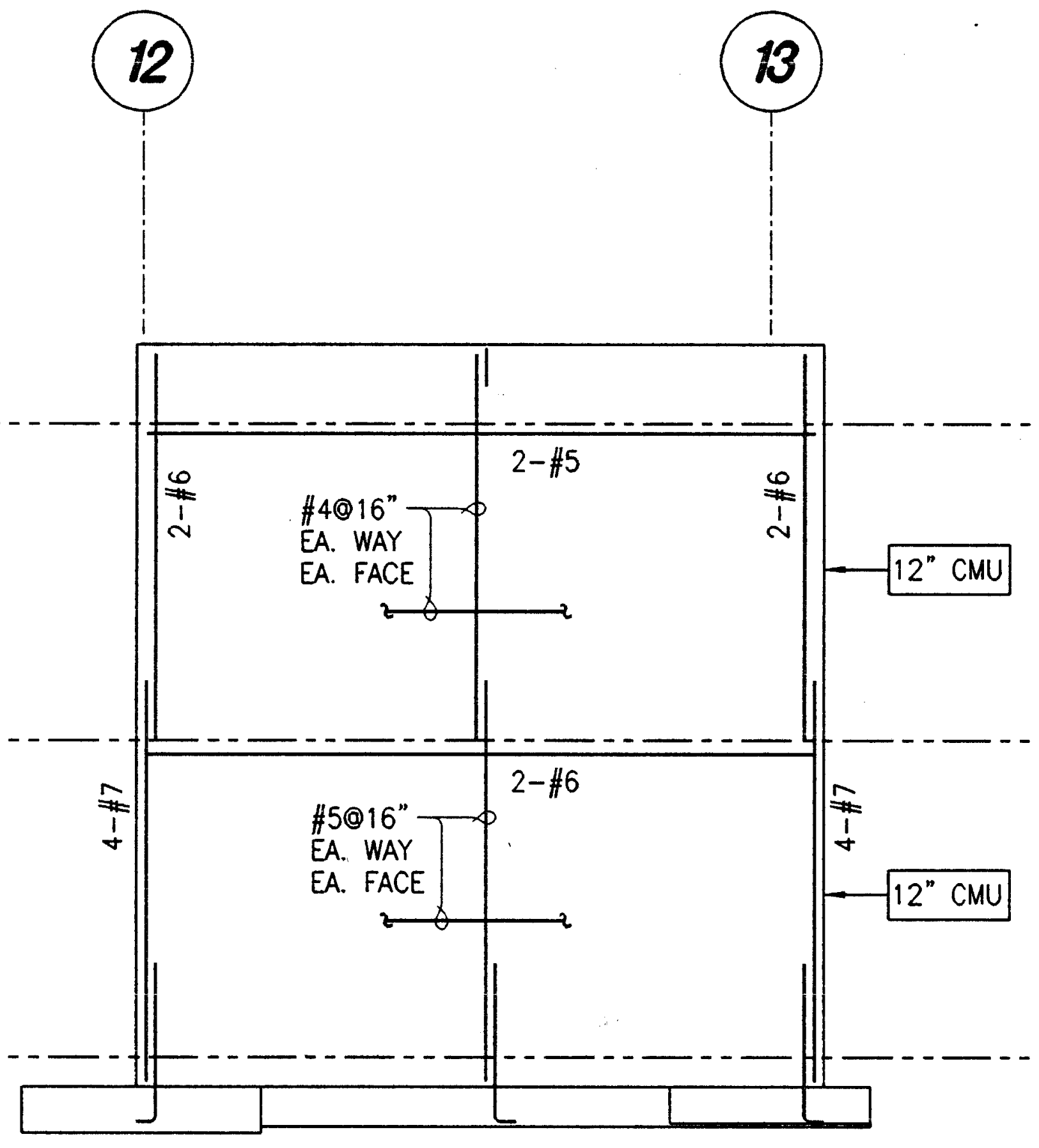
SHEAR WALL ELEVATION LINE 8 (B)
1/8" = 1'-0"



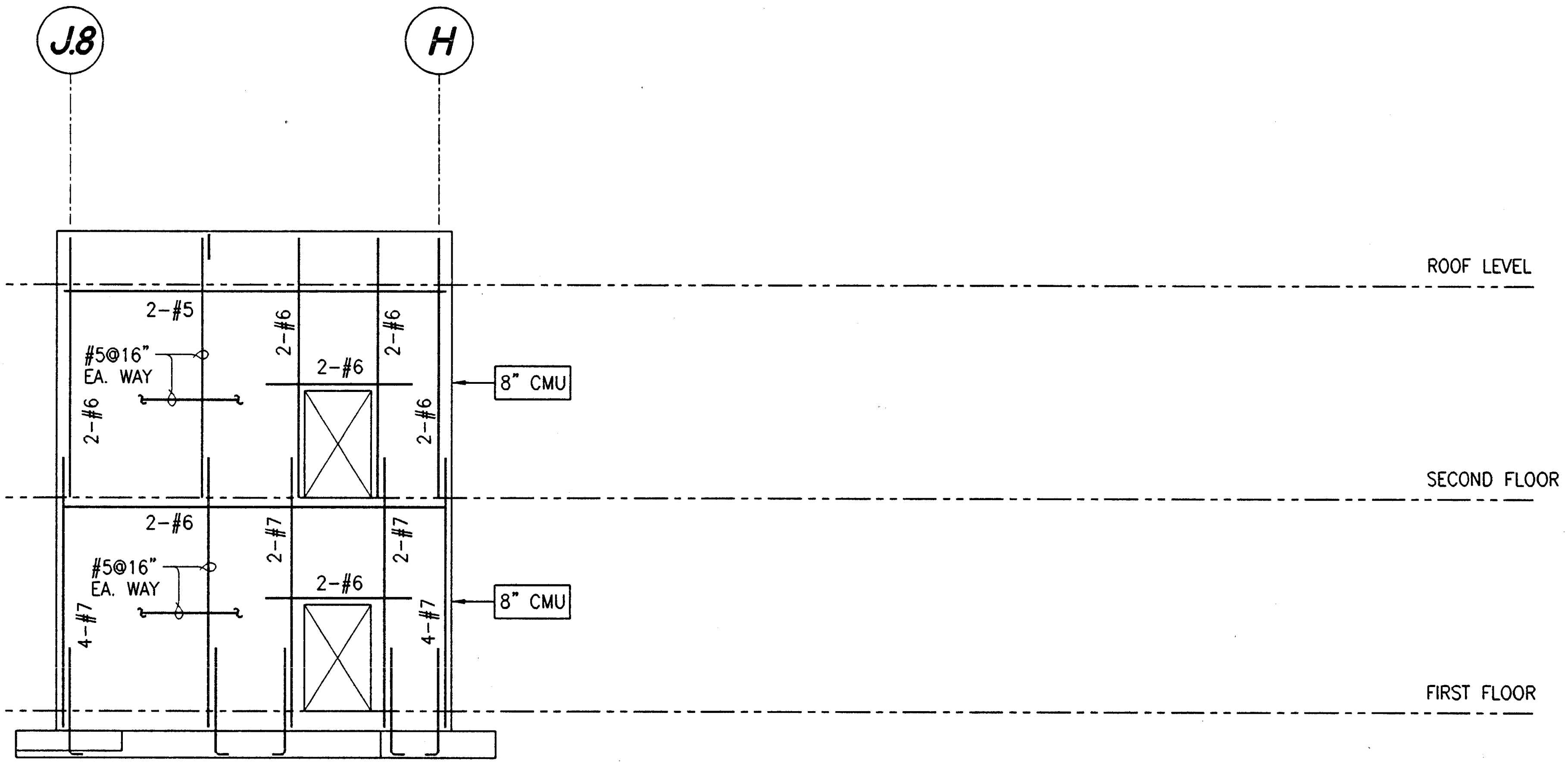
SHEAR WALL ELEVATION LINE K (C)
1/8" = 1'-0"



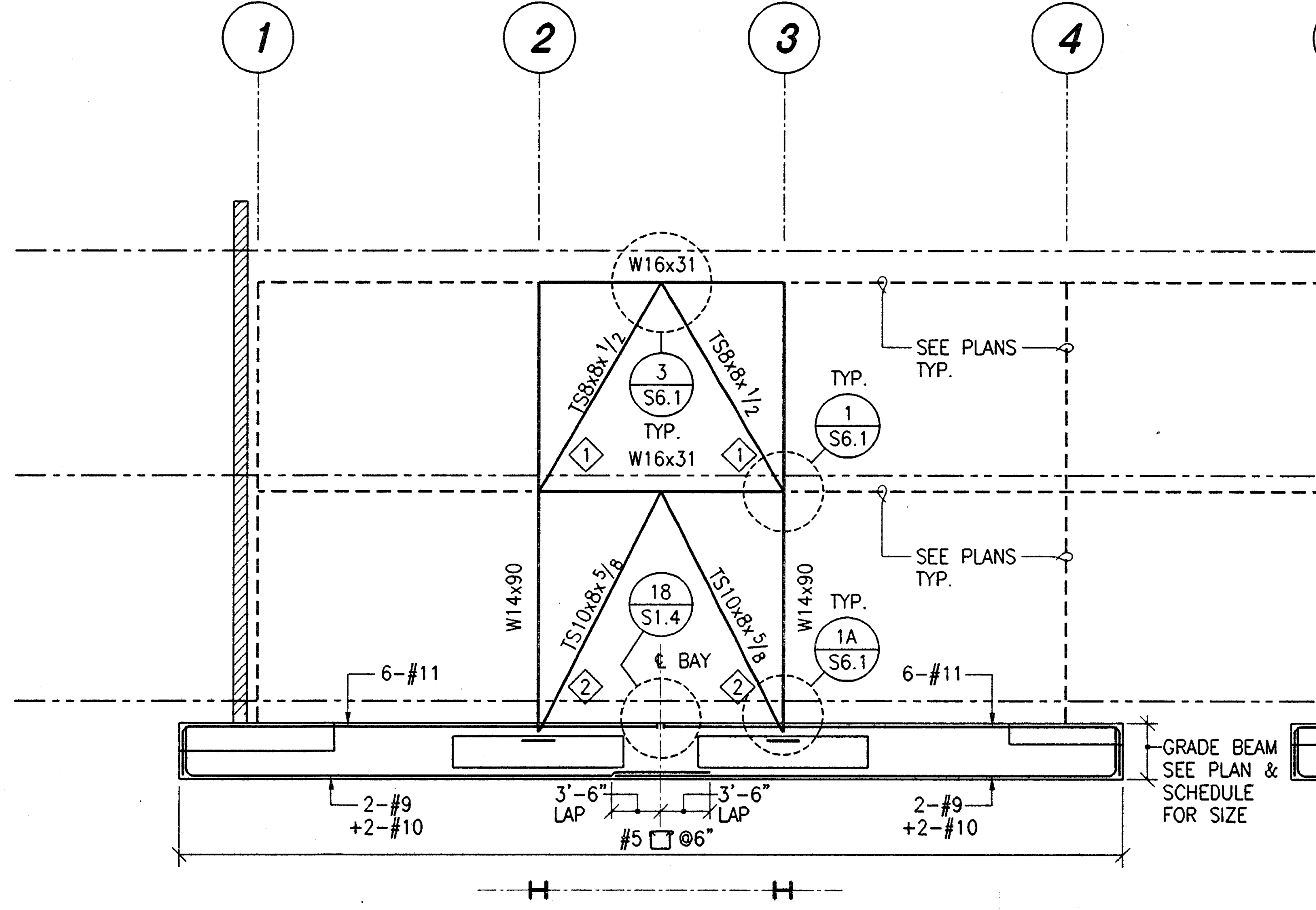
SHEAR WALL ELEVATION LINE A (D)
1/8" = 1'-0"



SHEAR WALL ELEVATION LINE G (E)
1/8" = 1'-0"

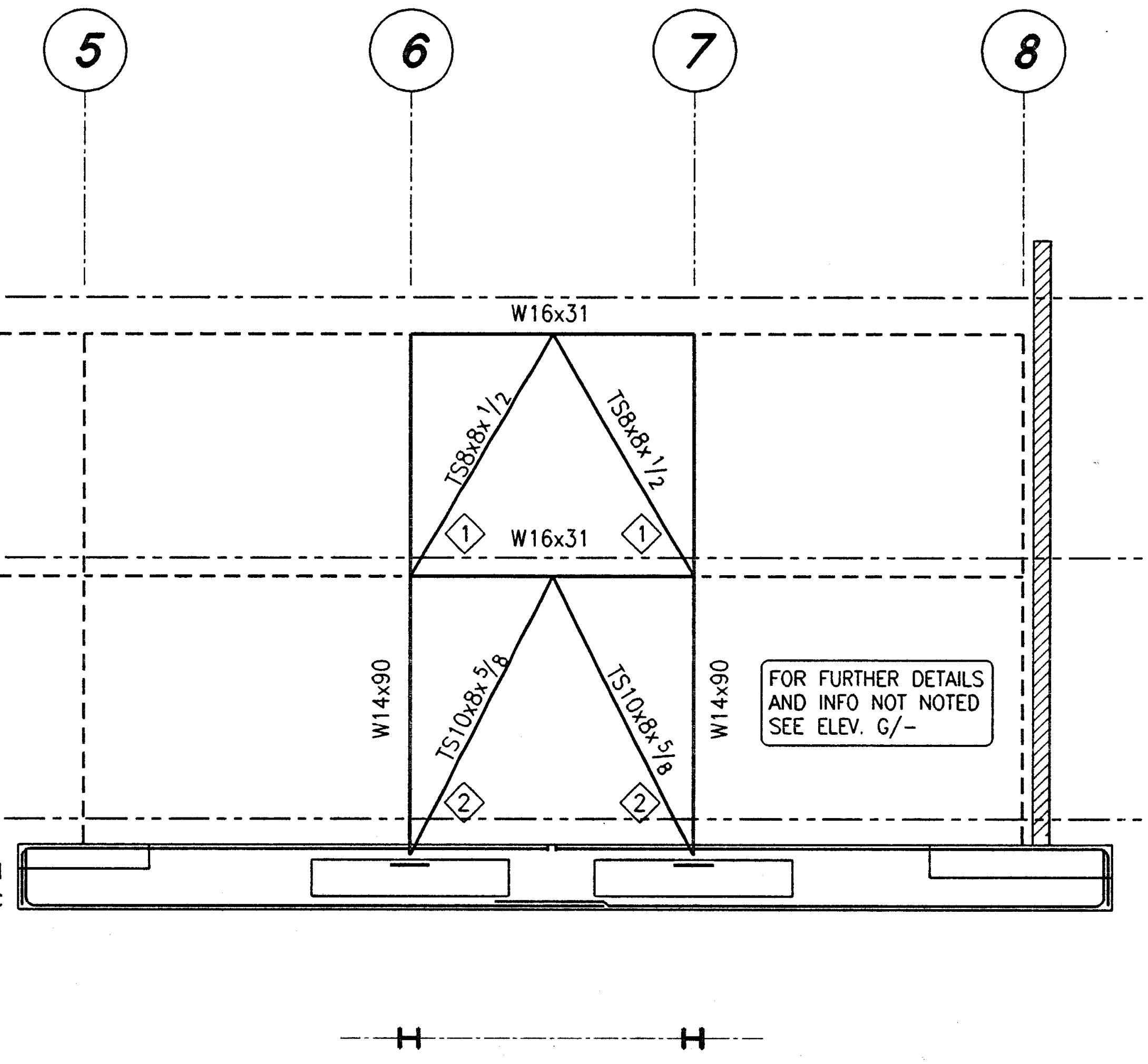


SHEAR WALL ELEVATION LINE 8.7 (F)
1/8" = 1'-0"



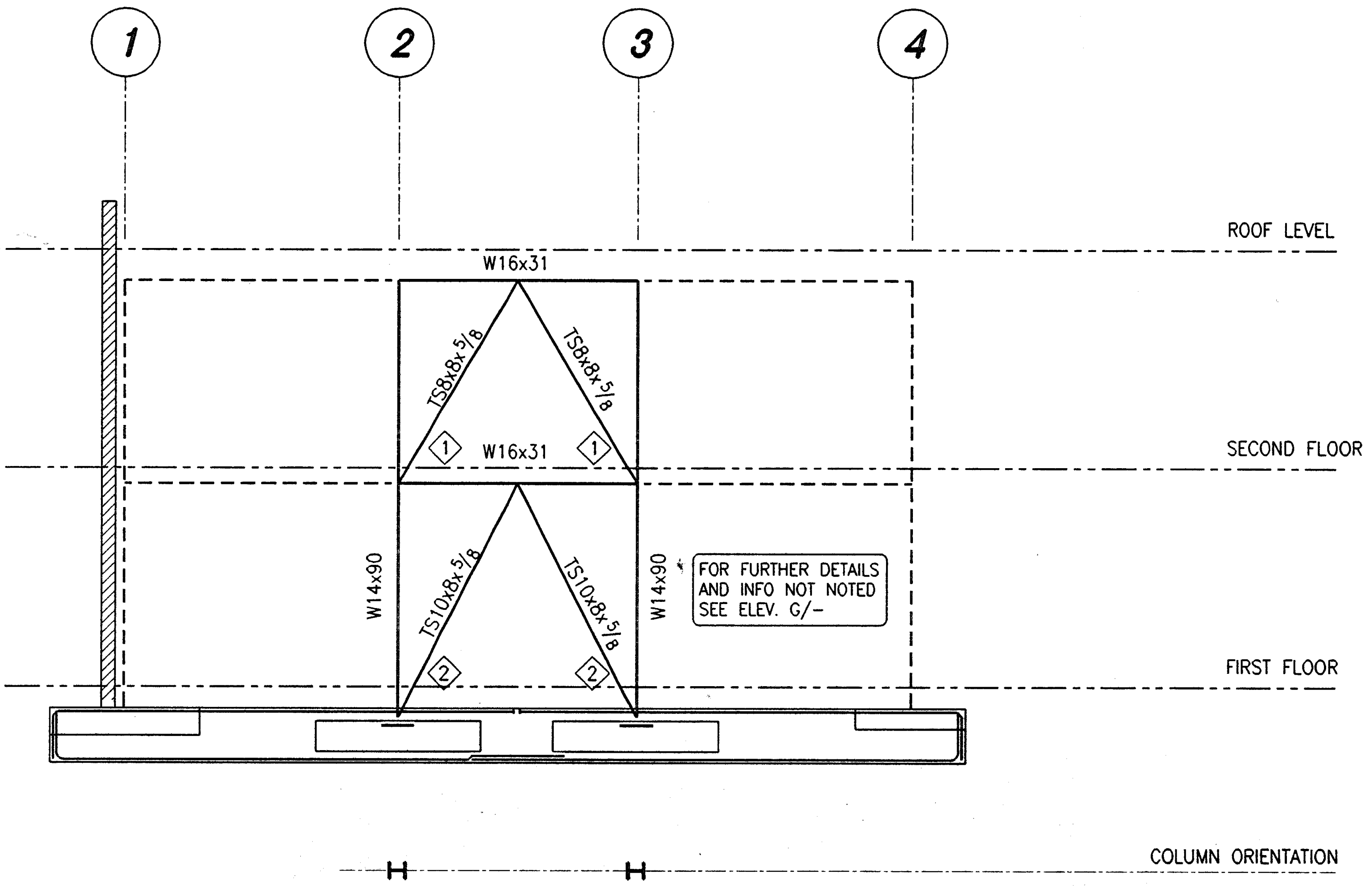
$22" \times 2\frac{1}{4}" \times 1'-8"$	$22" \times 2\frac{1}{4}" \times 1'-8"$
TYPE 3	TYPE 3
1A S6.1	1A S6.1

BRACE FRAME ELEVATION LINE D.9 (G)
1/8" = 1'-0"



$22" \times 2\frac{1}{4}" \times 1'-8"$	$22" \times 2\frac{1}{4}" \times 1'-8"$
TYPE 3	TYPE 3
1A S6.1	1A S6.1

BRACE FRAME ELEVATION LINE D.9 (H)
1/8" = 1'-0"



$22" \times 2\frac{1}{4}" \times 1'-8"$	$22" \times 2\frac{1}{4}" \times 1'-8"$
TYPE 3	TYPE 3
1A S6.1	1A S6.1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC____ FLS____ SS Vc 1 LD
DATE 3-20-98

BASE PLATE SIZE B x t x N
ANCHOR BOLTS, SEE SCHEDULE 'C' ON S6.1
DETAIL

BRACE FRAME ELEVATION LINE K (J)
1/8" = 1'-0"

PLOT DATE: 07.11.97

Jenkins/Gales & Martinez, Inc.
Project & Construction Management
5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
Tel:(310) 645-0561 • Fax:(310) 670-8721
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DSK LANDSCAPE ARCHITECTS
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LOS ANGELES, CA. 90010
213-382-3113
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STRUCTURAL:
JOHN A. MARTIN & ASSOCIATES, INC.
1212 S. FLOWER
LOS ANGELES, CA 90015
213-483-6490
213-483-3084 FAX
MECHANICAL & PLUMBING:
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ELECTRICAL:
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8780 NATIONAL BLVD., STE. 206
CULVER CITY, CA. 90232
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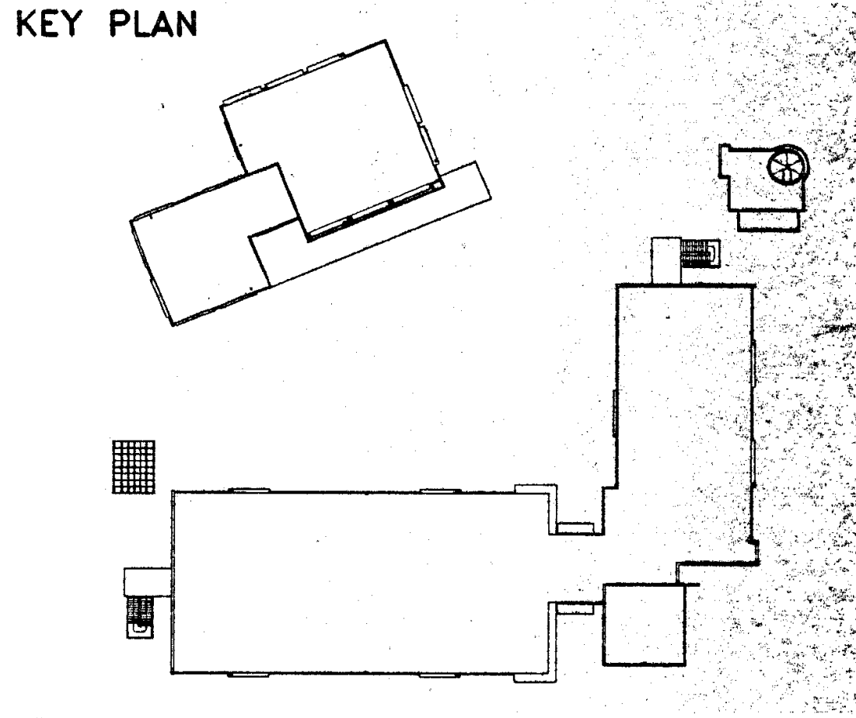
310-202-0678 FAX

SEAL
JOHN A. MARTIN, JR.
No. 1958
EXP. 12/31/01
MORRIS R. POINDEXTER
C-13900
7-31-99
RENEWAL DATE

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



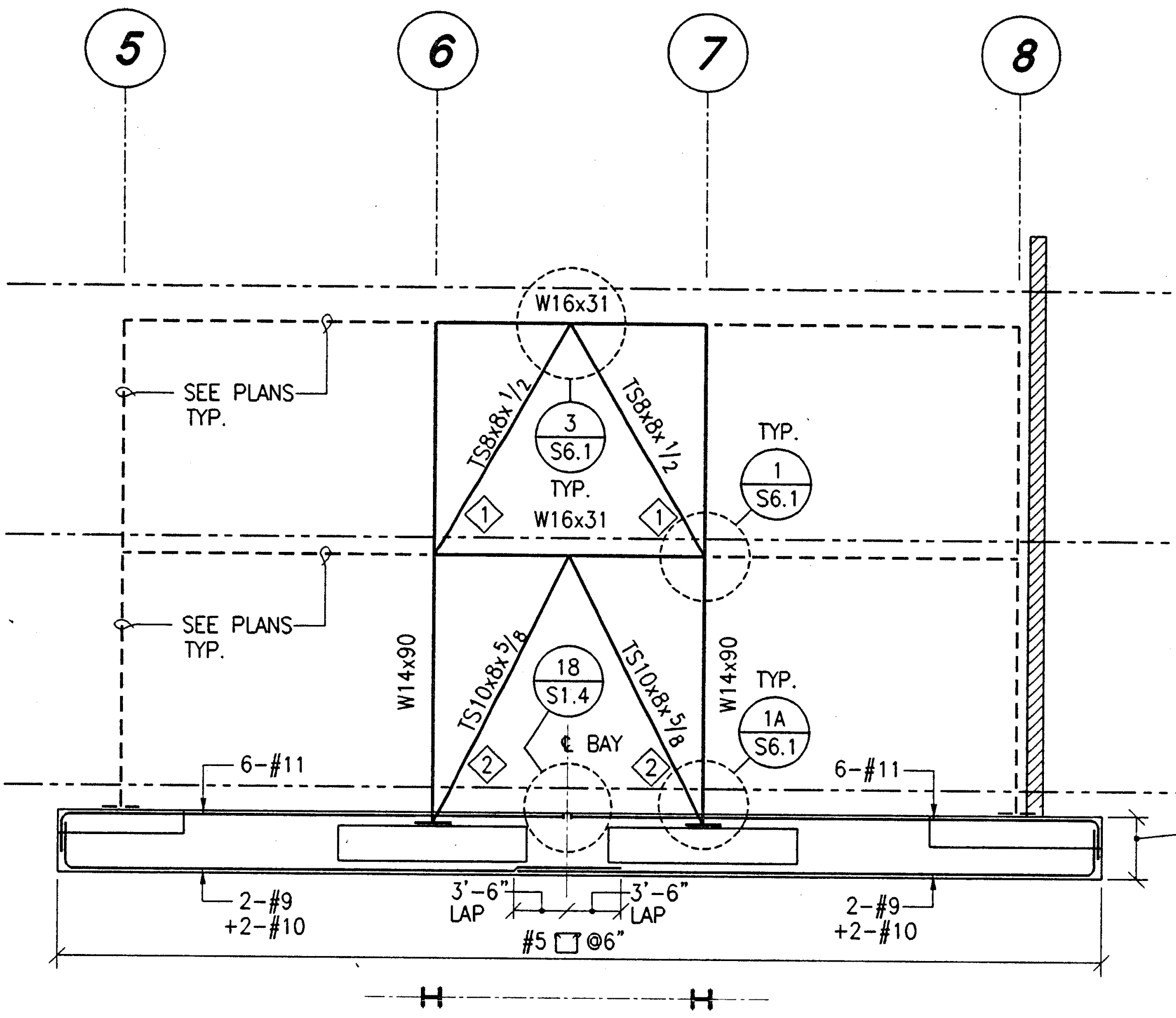
NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE BUILDING
SHEAR WALL AND BRACE
FRAME ELEVATIONS

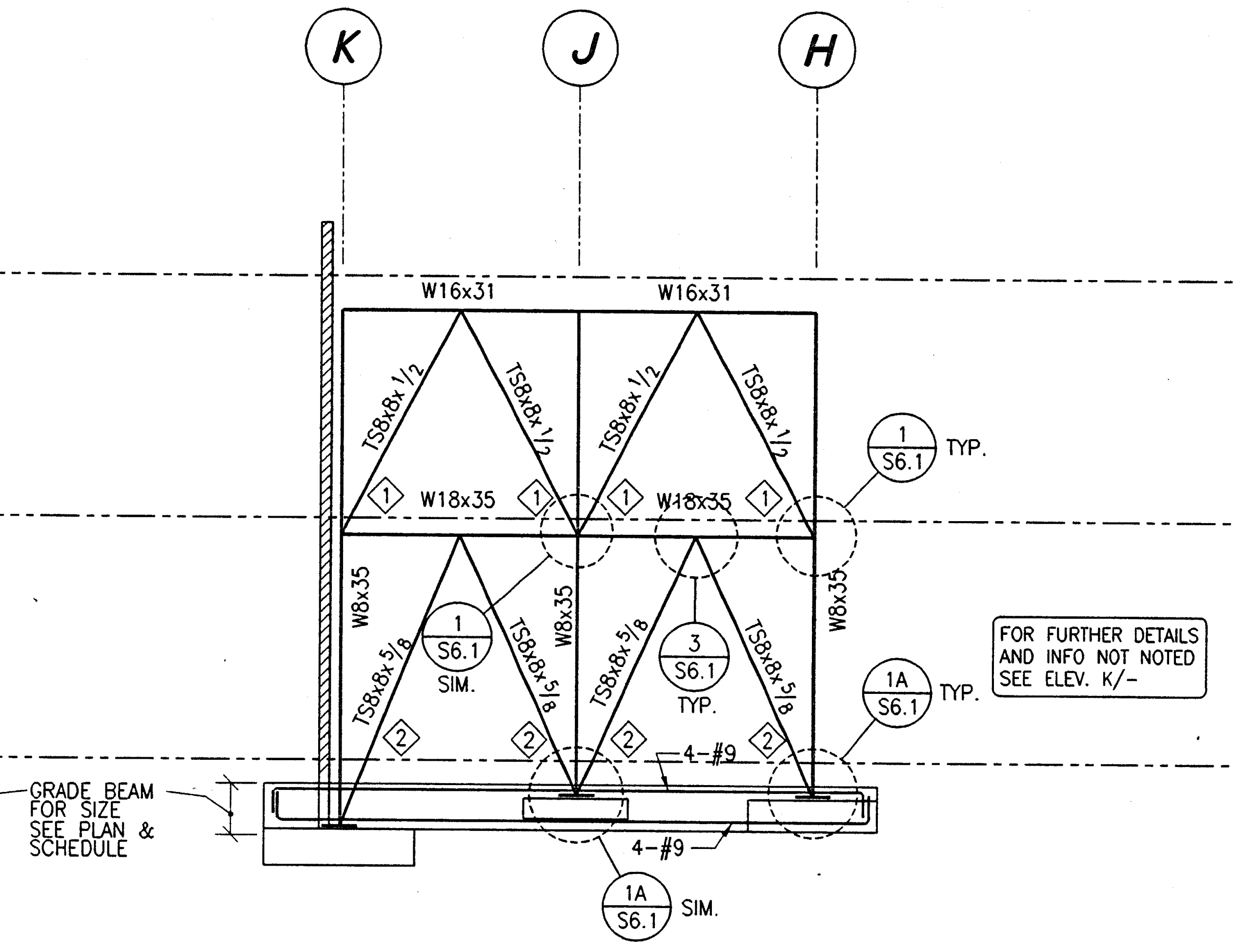
FILE: S301-552
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S3.1
OF ____ SHEETS



22" x 2 1/4" x 1'-8"	22" x 2 1/4" x 1'-8"
TYPE 3	TYPE 3
1A/S6.1	1A/S6.1

BRACE FRAME ELEVATION LINE K (K)

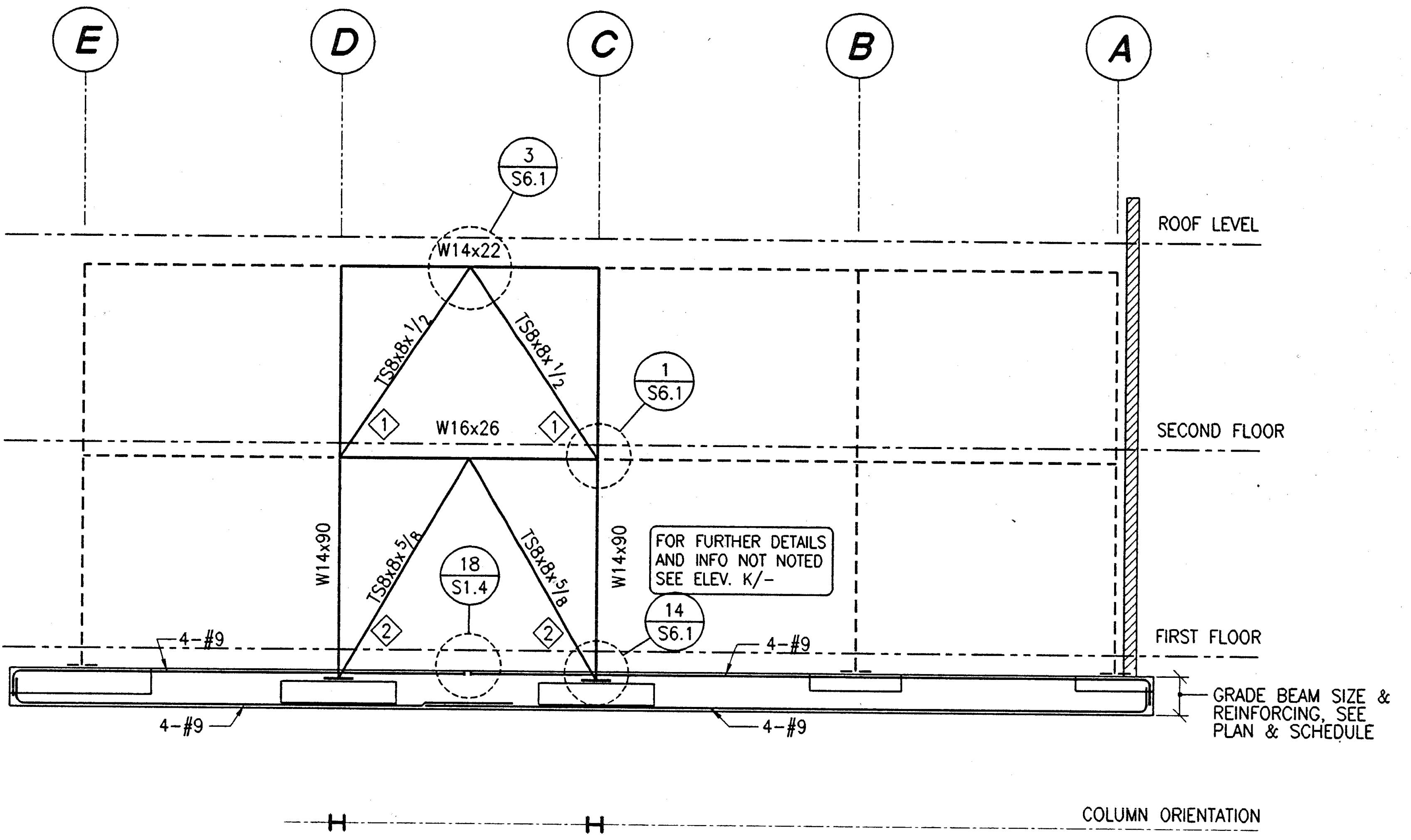
1/8" = 1'-0"



16" x 1 1/2" x 1'-4"	16" x 1 1/4" x 1'-4"	16" x 1 3/4" x 1'-4"
TYPE 2	TYPE 2	TYPE 2
1A/S6.1	1A/S6.1	1A/S6.1 SIM

BRACE FRAME ELEVATION LINE 10 (L)

1/8" = 1'-0"



22" x 1 5/8" x 1'-8"	22" x 1 5/8" x 1'-8"
TYPE 1	TYPE 1
1A/S6.1	1A/S6.1

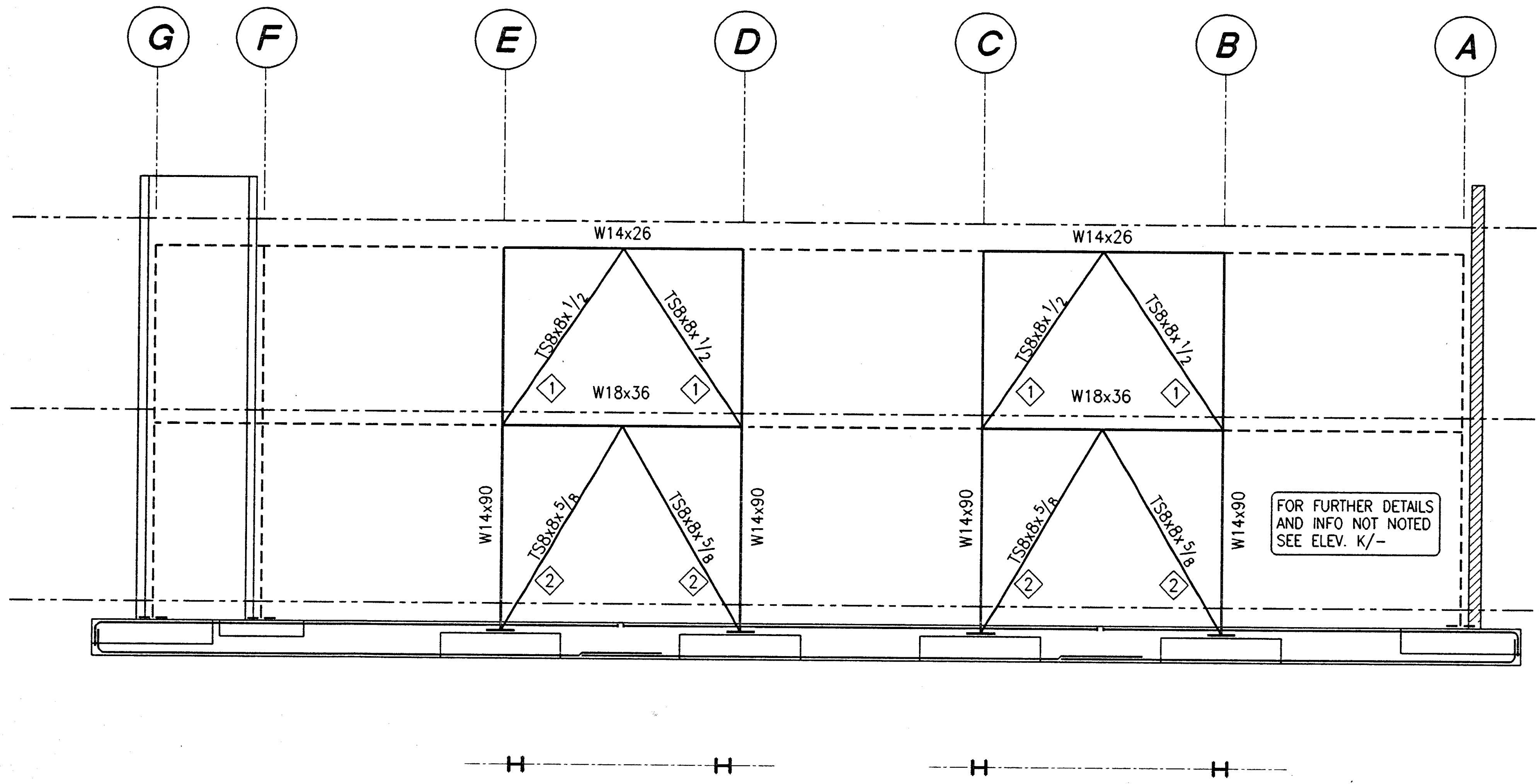
BASE PLATE SIZE B x t x N
ANCHOR BOLTS, SEE SCHEDULE 'C' ON S6.1
DETAIL

BRACE FRAME ELEVATION LINE 11 (M)

1/8" = 1'-0"

NOTES:

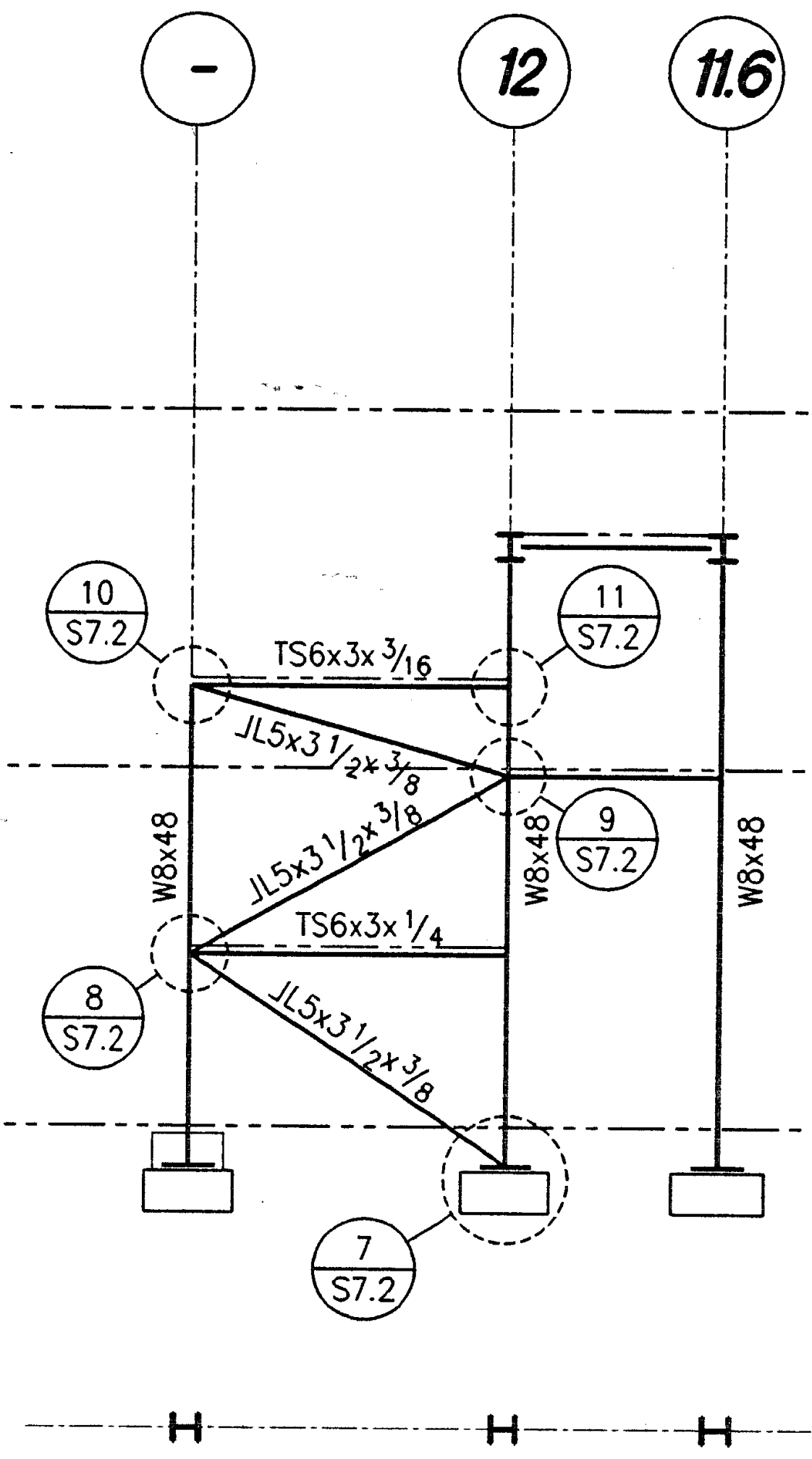
1. SEE SHEETS S1.1 THRU S1.6 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. GRADE BEAM f'c = 4 ksi.
3. SEE SHEET S6.1 FOR BRACED FRAME CONNECTION DETAILS.



22" x 1 3/4" x 1'-8"	22" x 1 3/4" x 1'-8"	22" x 1 3/4" x 1'-8"	22" x 1 3/4" x 1'-8"
TYPE 1	TYPE 1	TYPE 1	TYPE 1
1A/S6.1	1A/S6.1	1A/S6.1	1A/S6.1

BRACE FRAME ELEVATION LINE 13 (N)

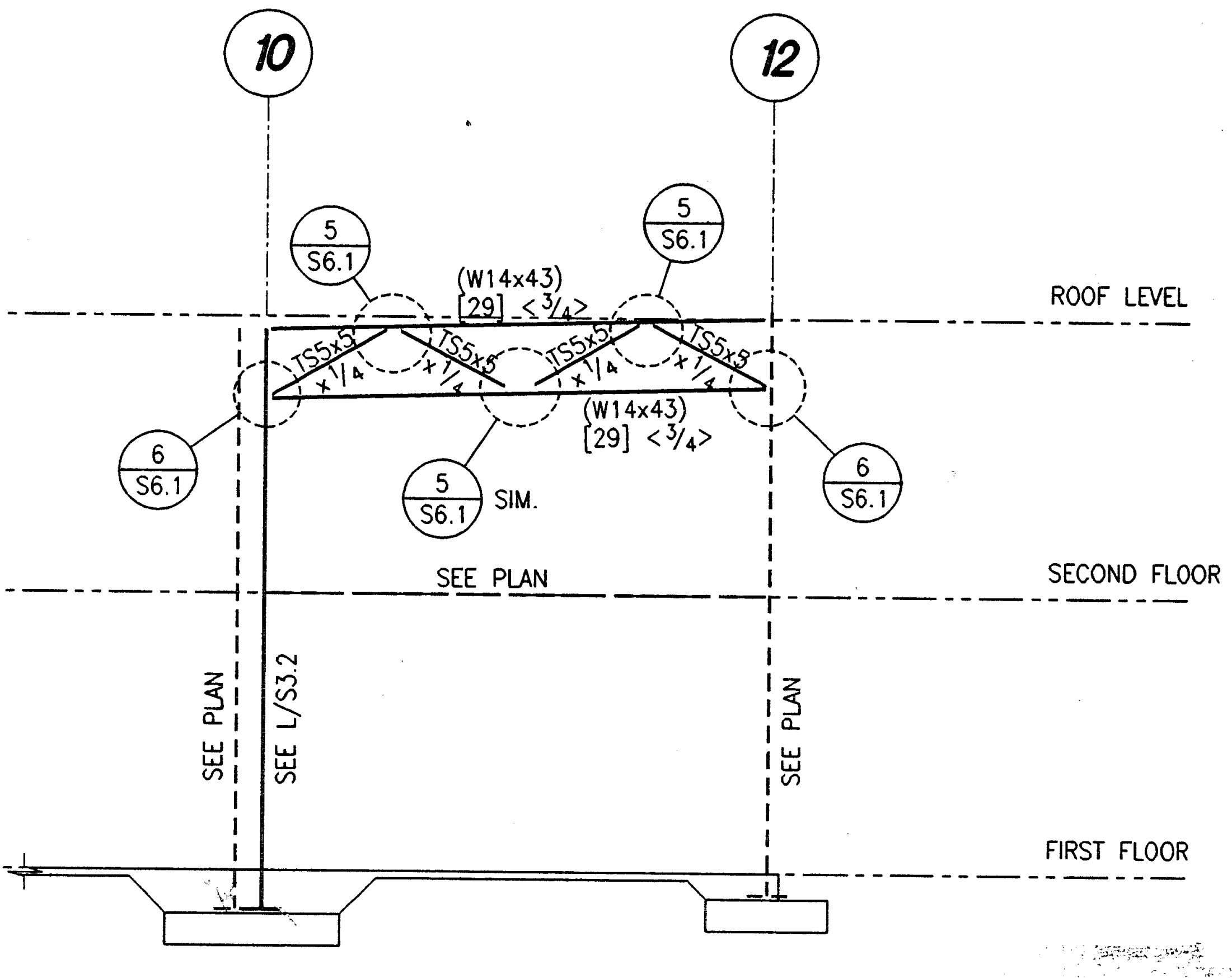
1/8" = 1'-0"



20" x 2" x 1'-8" GR50	20" x 2" x 1'-8" GR50
4 - 1 1/2" ø A572 ,GR50	4 - 1 1/2" ø A572 GR50
1A/S6.1	1A/S6.1

BRACE FRAME ELEVATION - (R)

1/8" = 1'-0"



COLUMN ORIENTATION

BASE PLATE SIZE B x t x N
ANCHOR BOLTS, SEE SCHEDULE 'C' ON S6.1
DETAIL

BRACE FRAME ELEVATION LINE H (S)

1/8" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL · 69120

AC ____ FLS ____ SS Mely
DATE 3-20-98

1/15/98 S302-552 S3.2 1/8"=1'-0" J8552

PLOT DATE: 07.11.97

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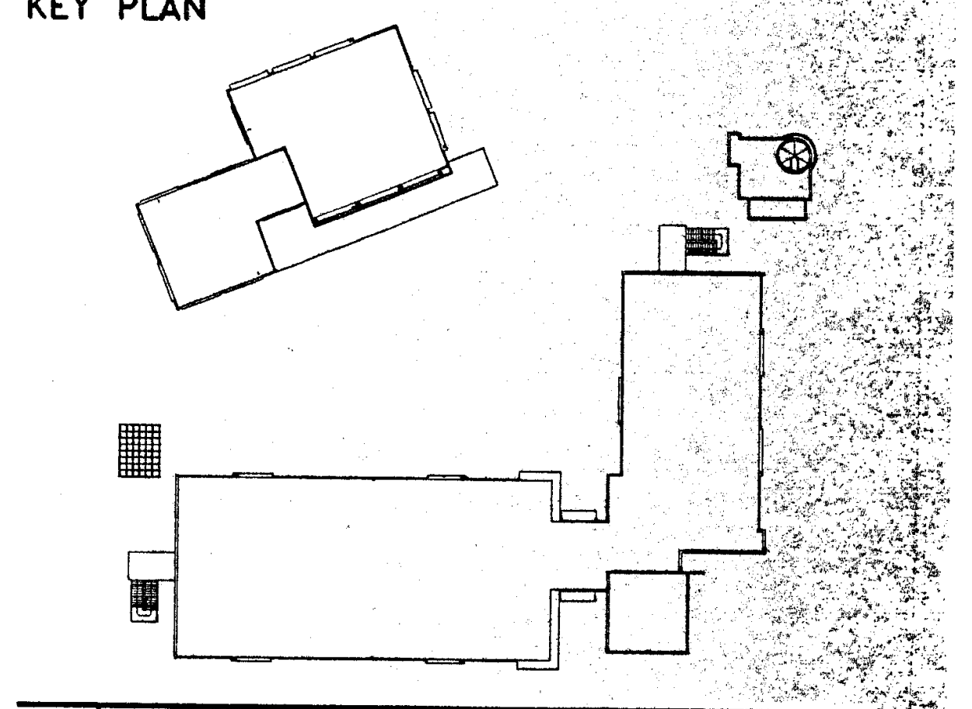
SEAL

JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01

MORRIS R. POINDEXTER
C-13900
RENEWAL DATE 12-31-99

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR

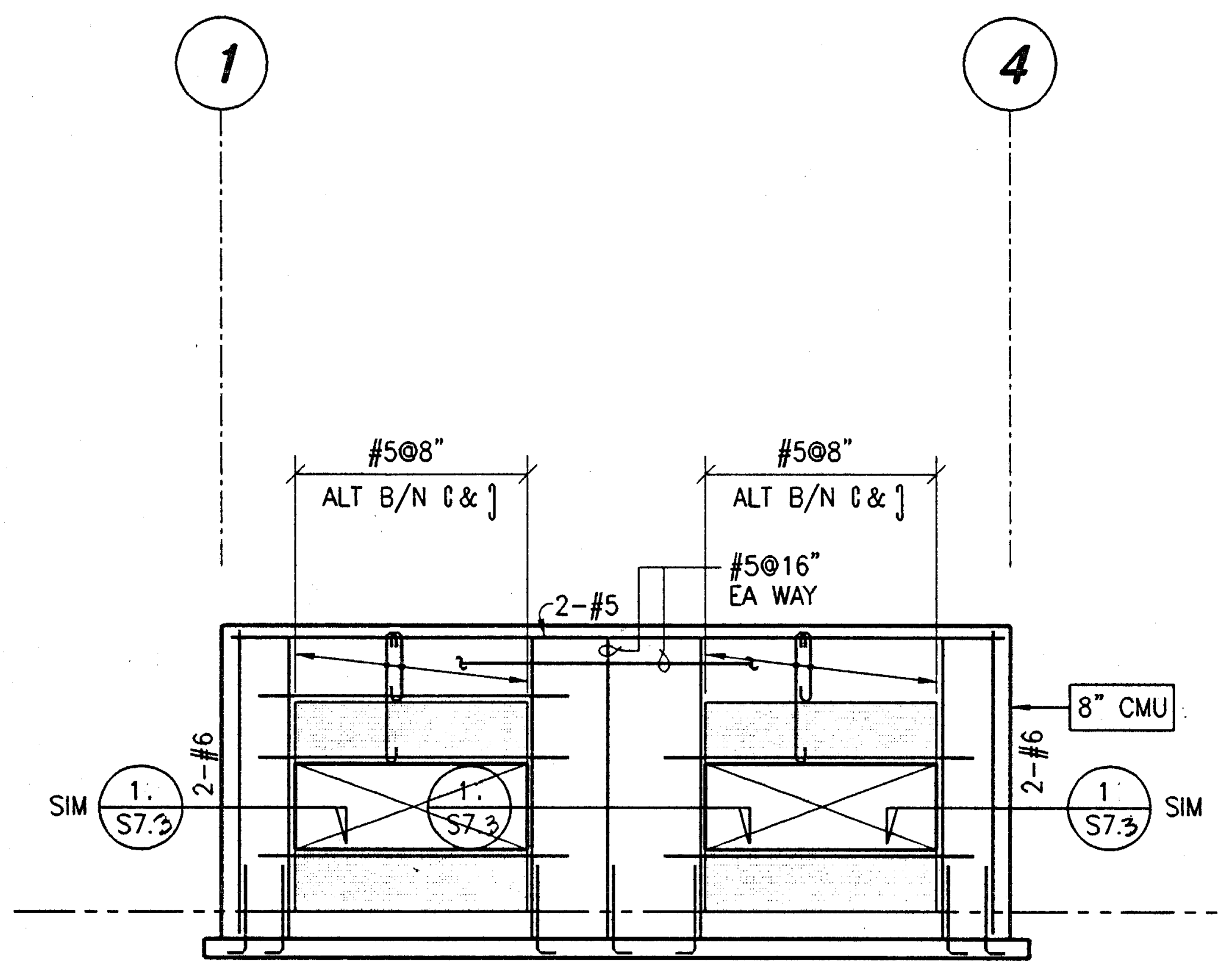
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

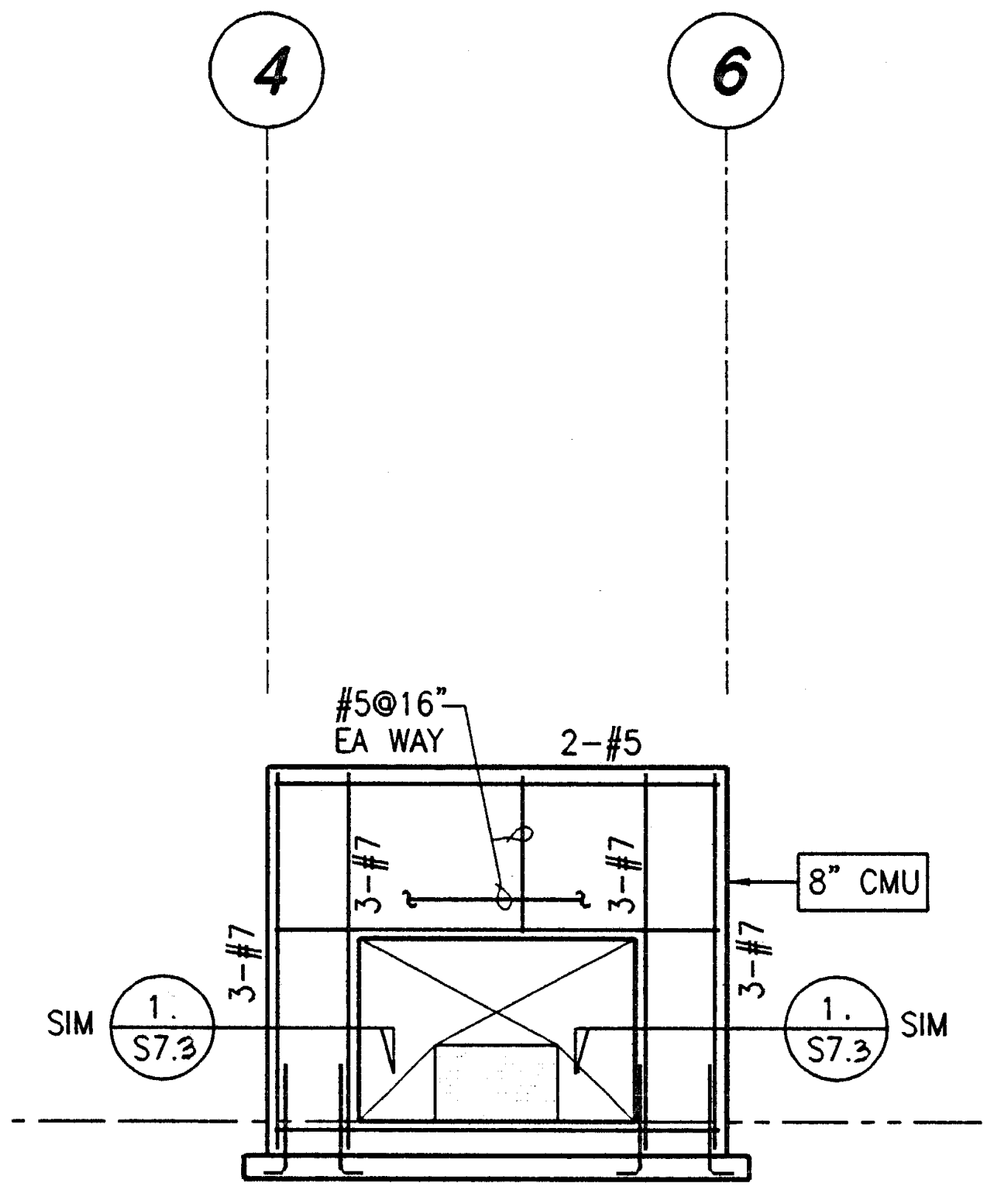
MATH SCIENCE BUILDING BRACE FRAME ELEVATIONS

FILE:	S302-552
SCALE	1/8"=1'-0"
JOB NO.	JGM
DATE	07.14.97

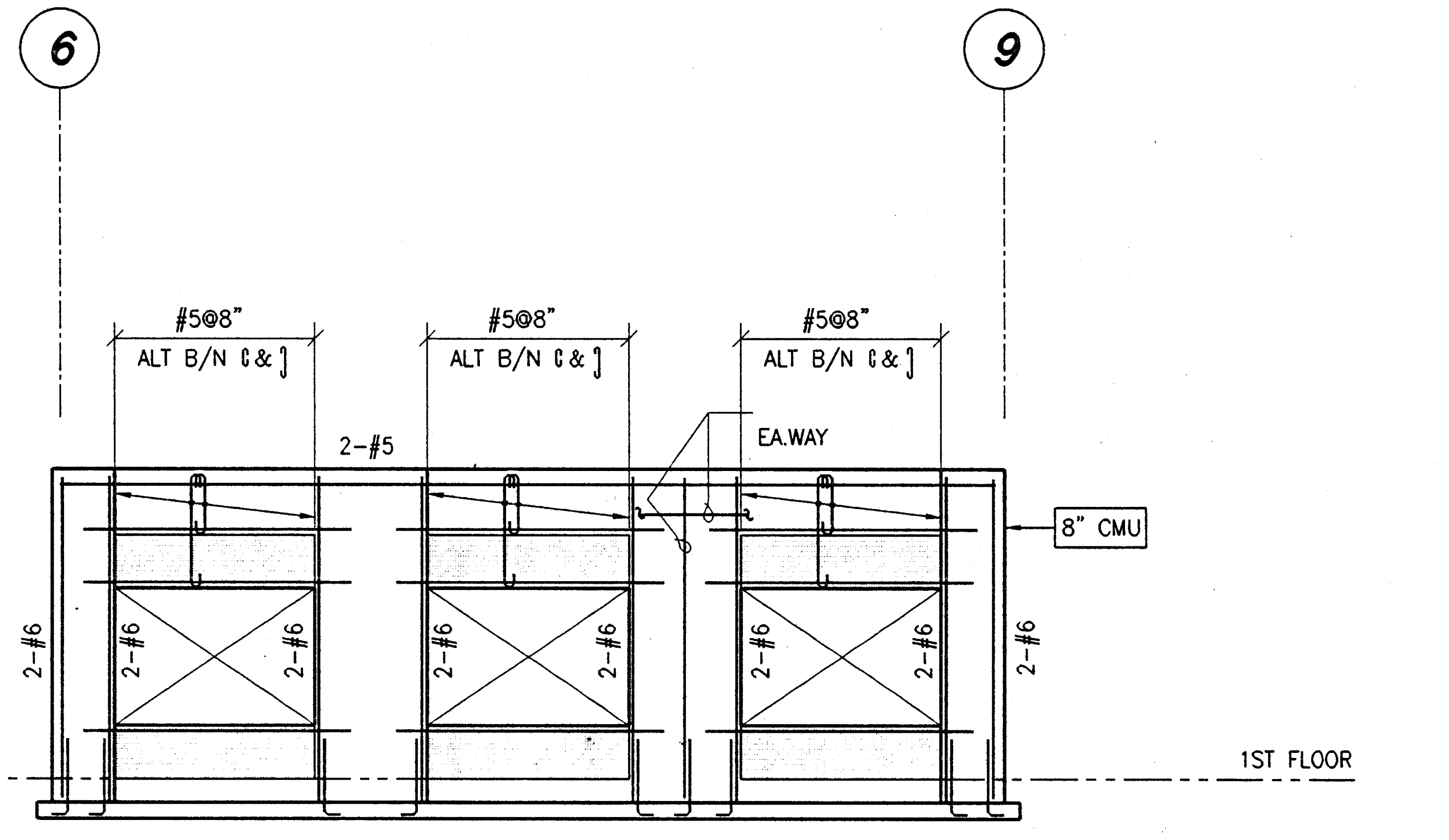
SHEET NO.
S3.2
OF ____ SHEETS



SHEAR WALL ELEVATION LINE 'E' Ⓐ
1/8" = 1'-0"



SHEAR WALL ELEVATION LINE 'C' Ⓑ
1/8" = 1'-0"

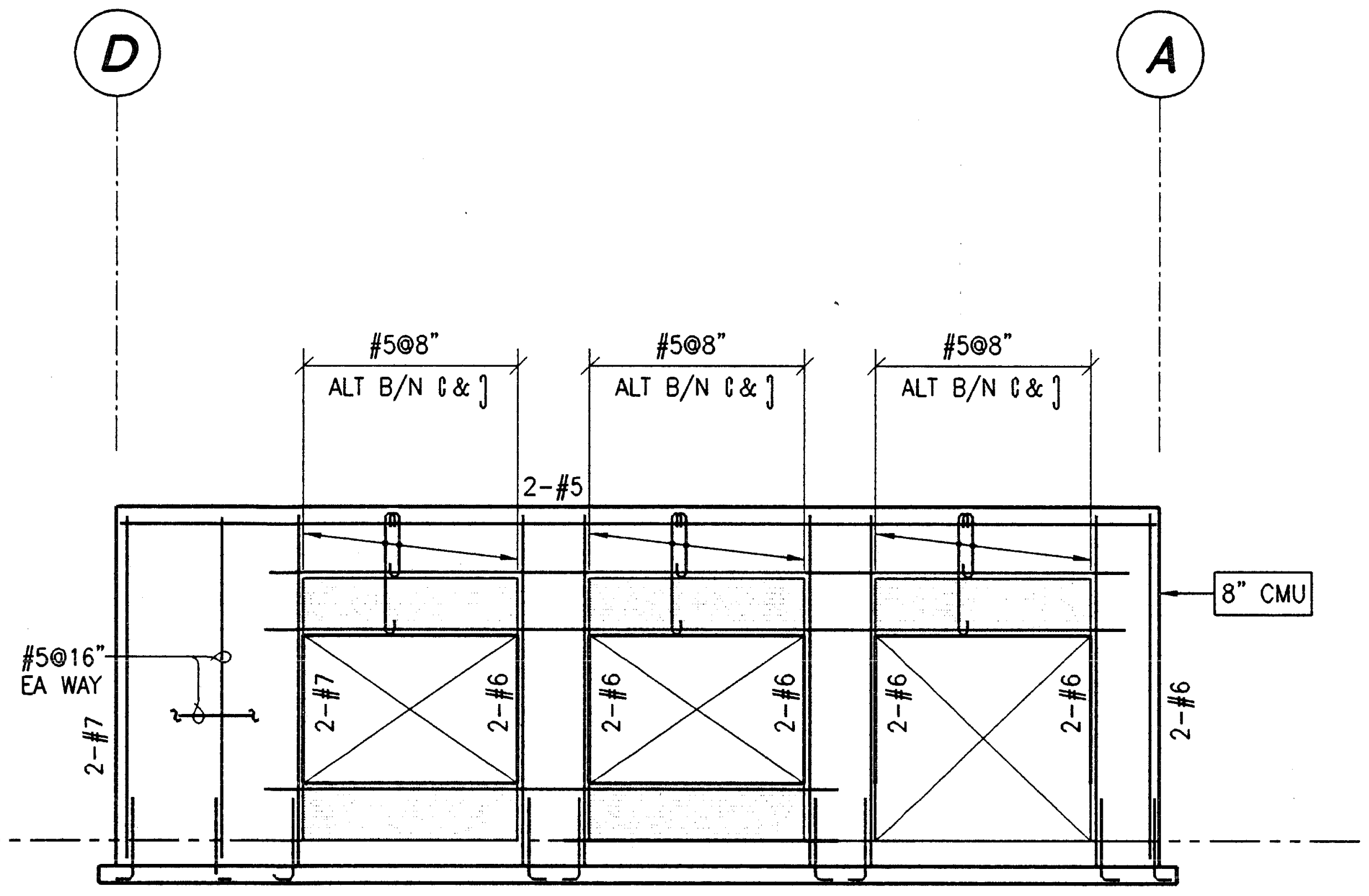


SHEAR WALL ELEVATION LINE 'D' Ⓒ
1/8" = 1'-0"

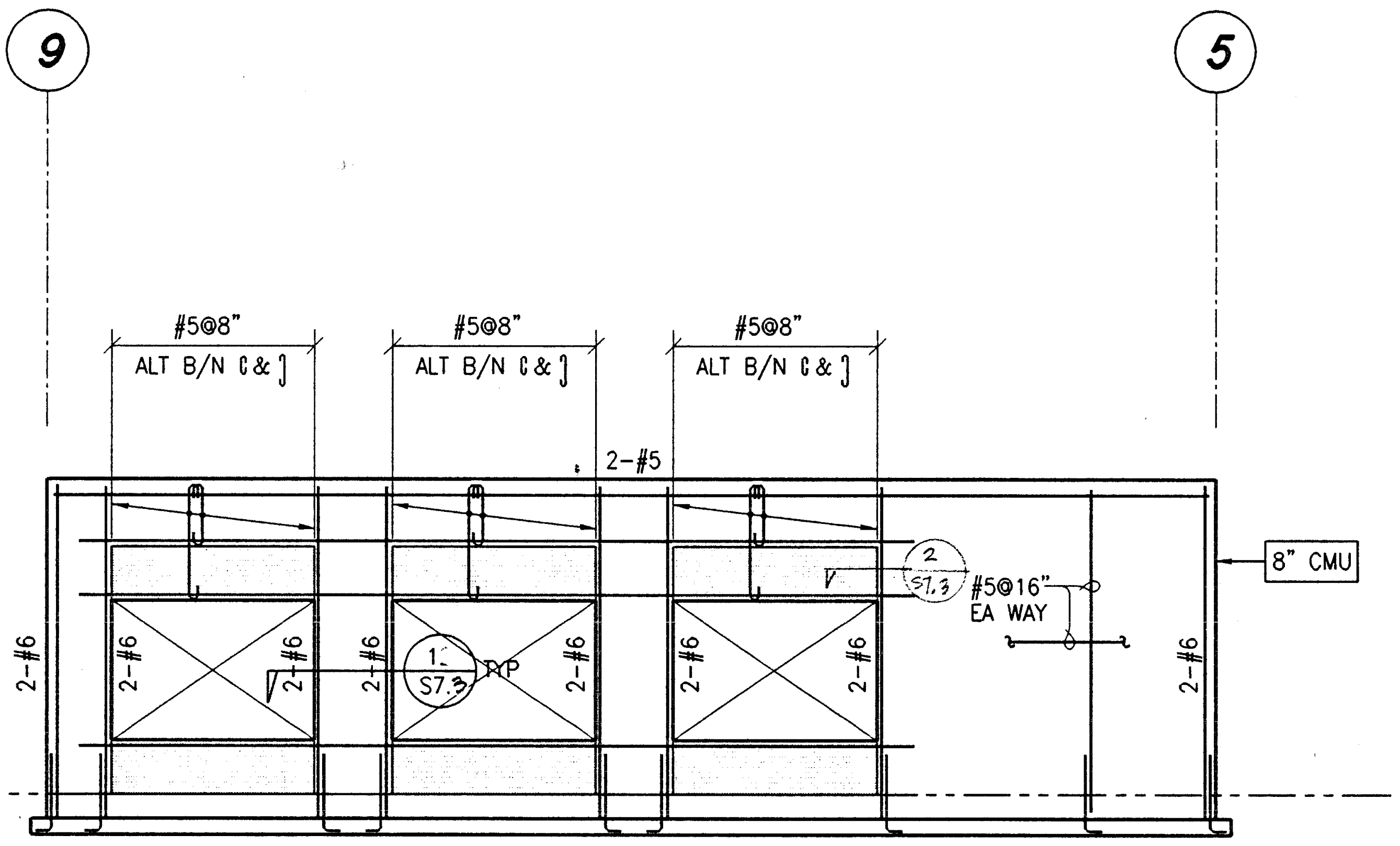
NOTES:

1. SEE SHEETS S1.1 THRU S1.6 FOR GENERAL NOTES AND TYPICAL DETAILS
2. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS
3. ☐ INDICATES RECESS IN WALL (6" CONCRETE BLOCK)

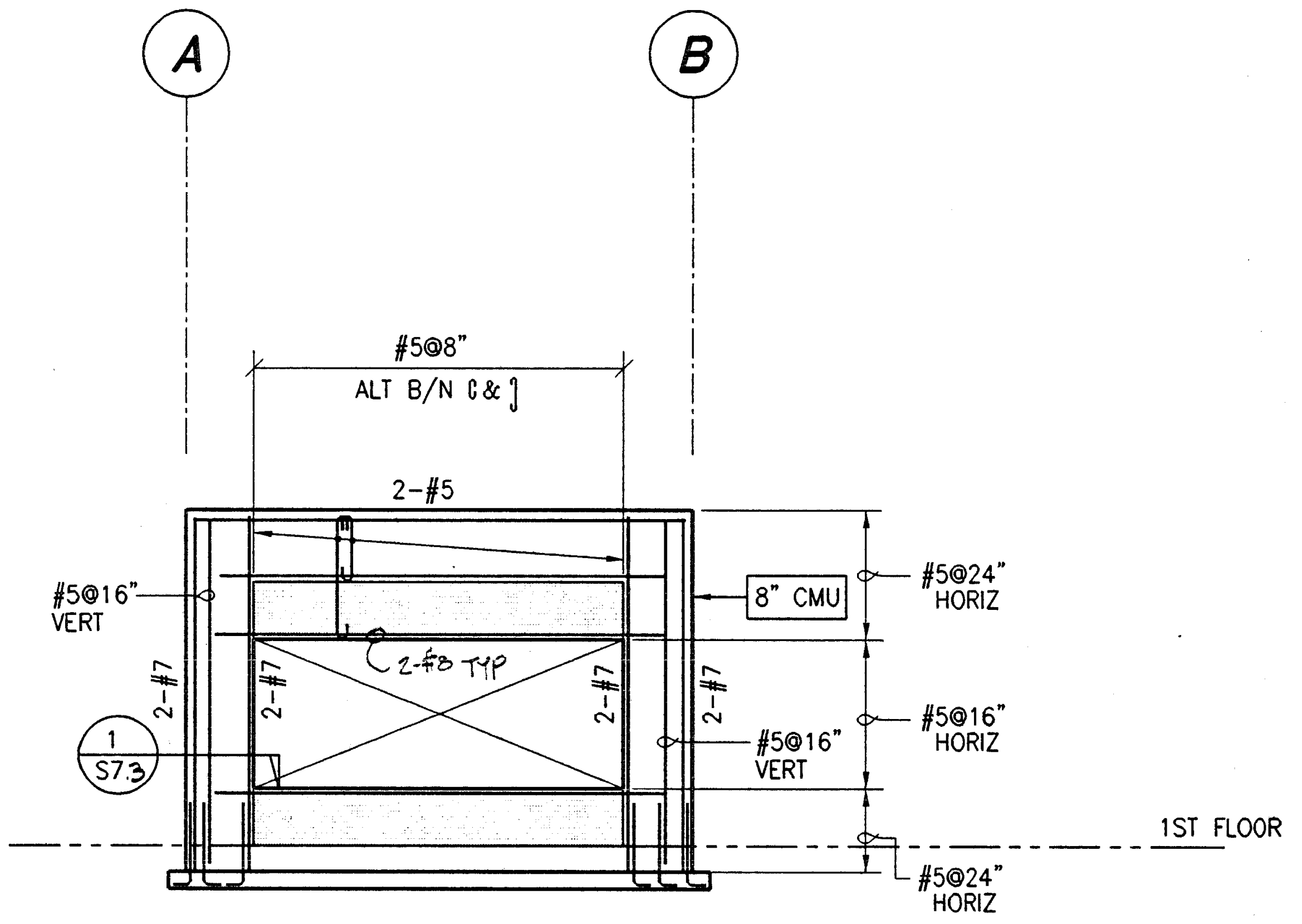
JAMB REINFORCING	LAP LENGTH	REMARKS
#5	3'-3"	-
#6	4'-0"	-
#7	4'-6"	-



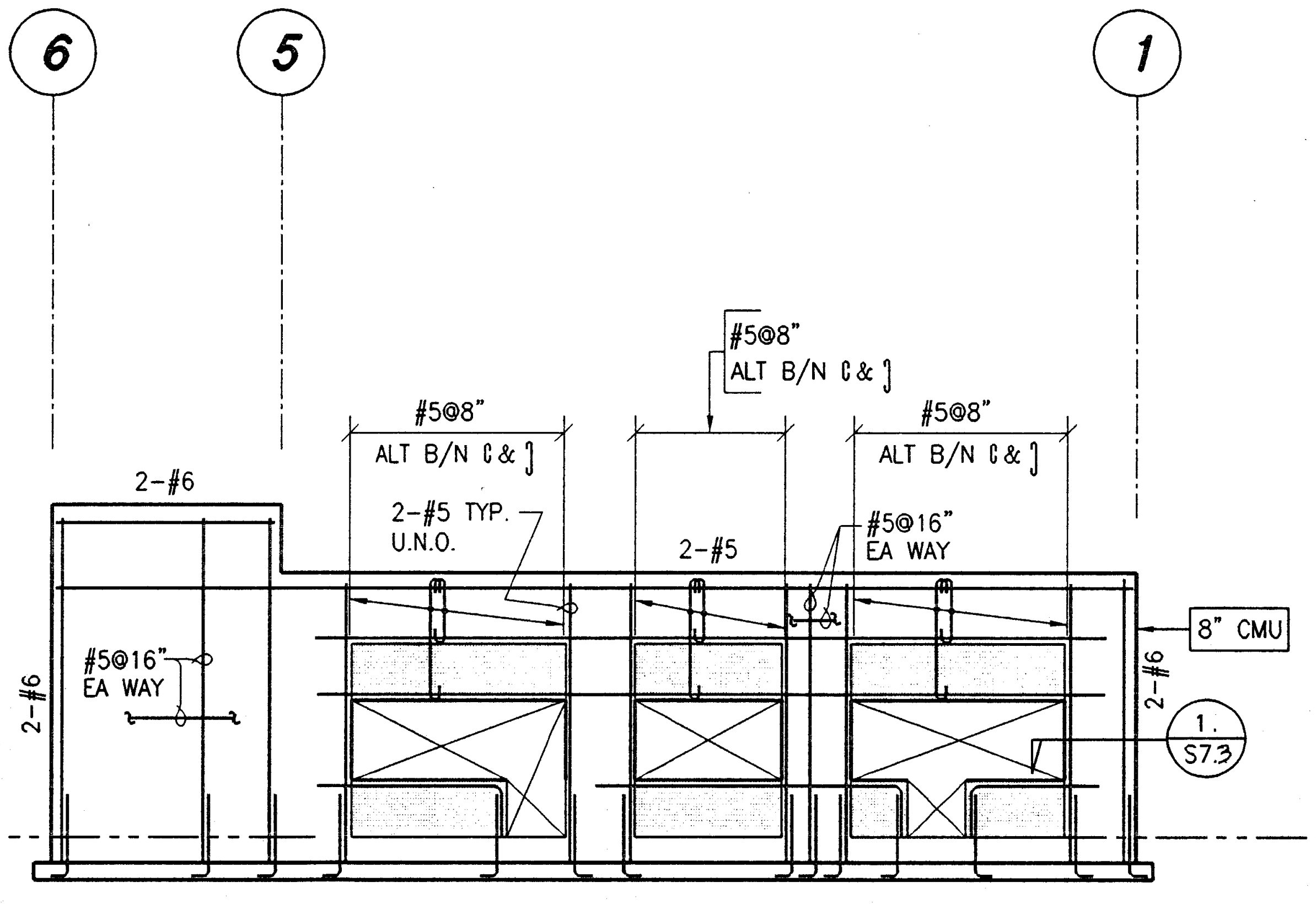
SHEAR WALL ELEVATION LINE '9' Ⓓ
1/8" = 1'-0"



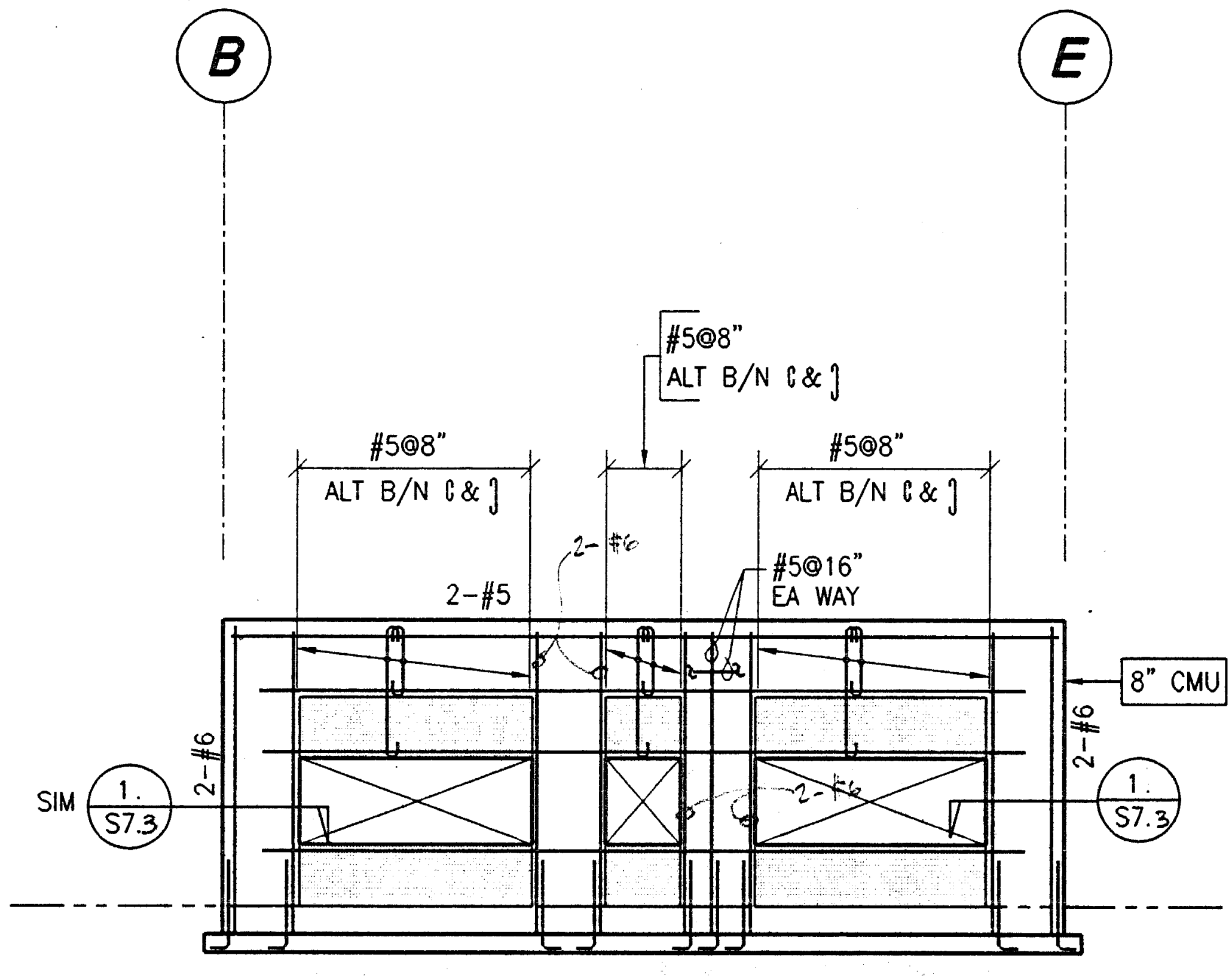
SHEAR WALL ELEVATION LINE 'A' Ⓔ
1/8" = 1'-0"



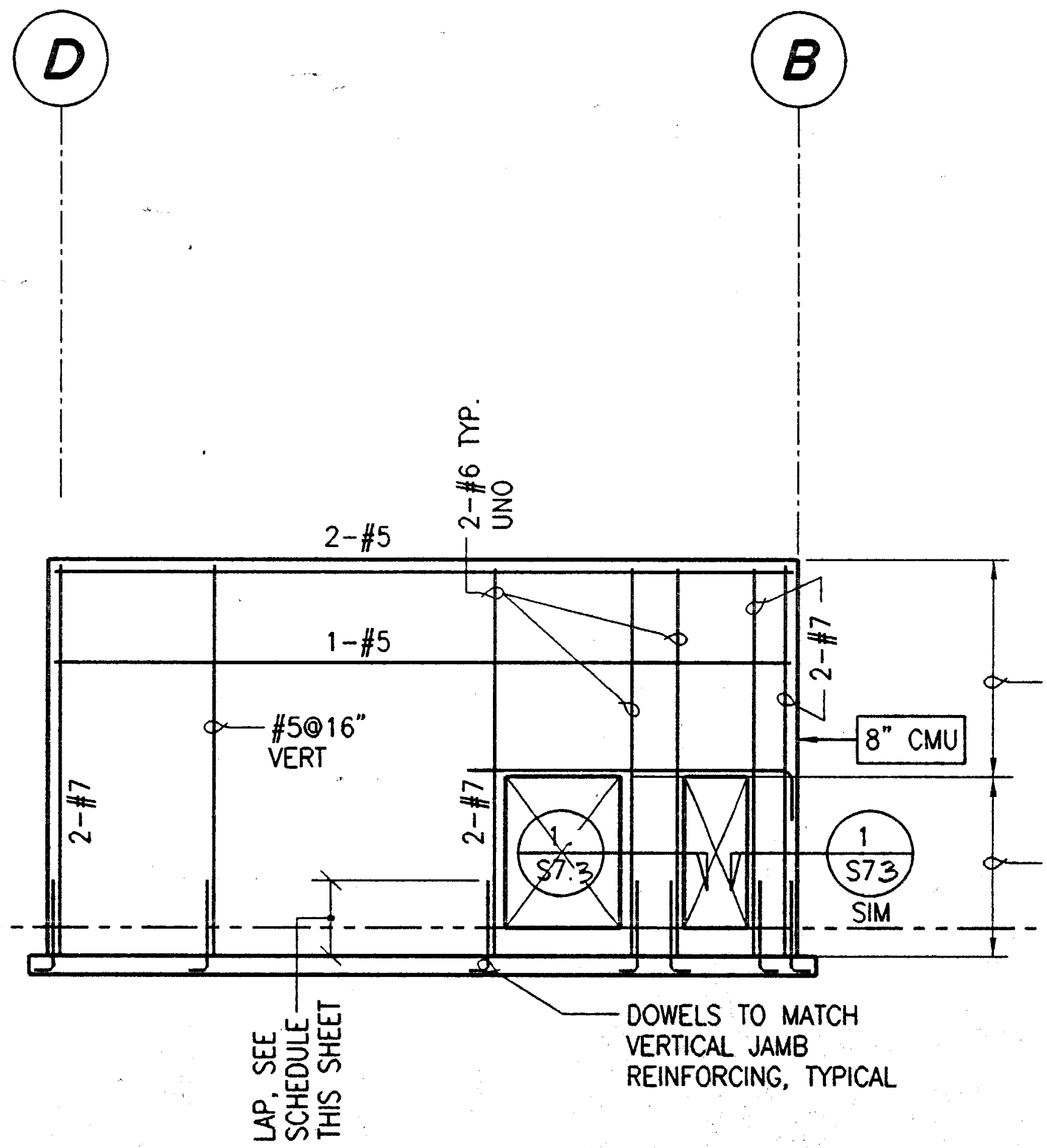
SHEAR WALL ELEVATION LINE '5' Ⓕ
1/8" = 1'-0"



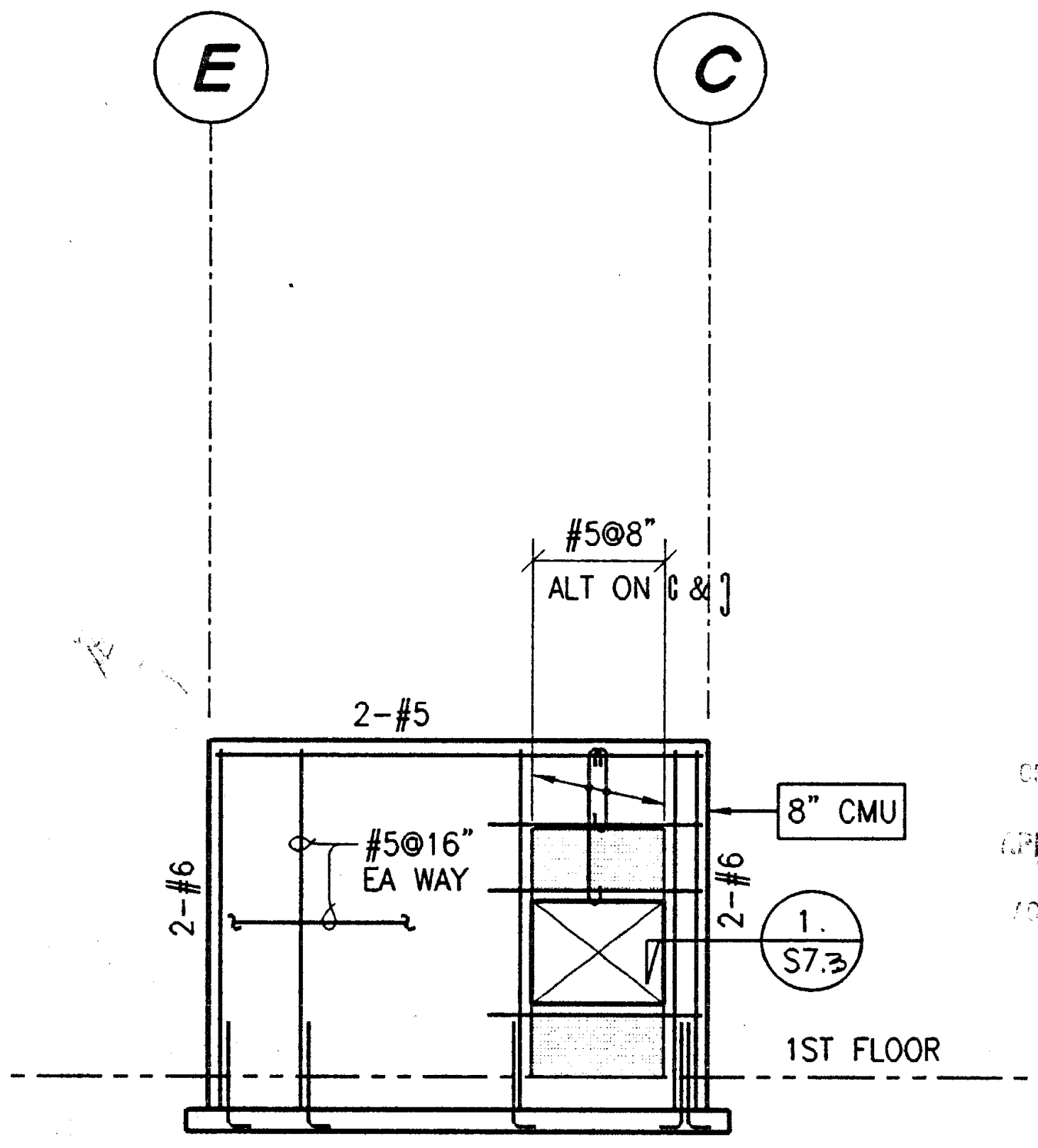
SHEAR WALL ELEVATION LINE 'B' Ⓖ
1/8" = 1'-0"



SHEAR WALL ELEVATION LINE '1' Ⓗ
1/8" = 1'-0"



SHEAR WALL ELEVATION LINE '6' Ⓙ
1/8" = 1'-0"



SHEAR WALL ELEVATION LINE '4' Ⓚ
1/8" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC_____ FLS_____ SS VMc 1/20
3-20 98

12/17/97 S303-552 S3.3 1/8"=1'-0" J8552
PLOT DATE: 07.11.97

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SEAL
JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01
STRUCTURAL

MORRIS R. POINDEXTER
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3-31-99
RENEWAL DATE

STRUCTURAL ENGINEERS
JOHN A. MARTIN
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1212 SOUTH FLOWER STREET
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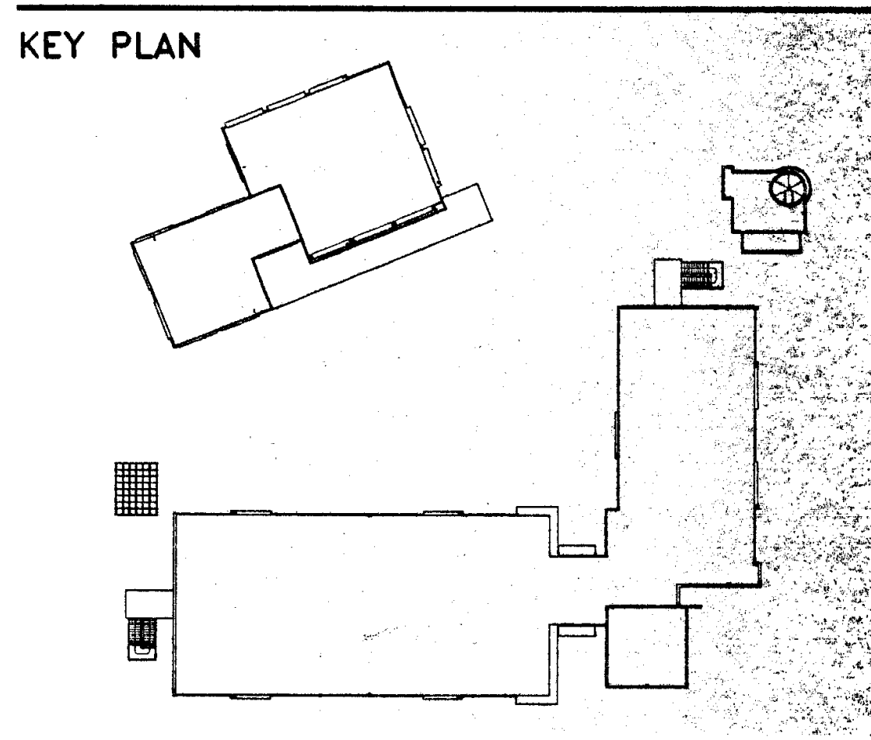
KEY PLAN



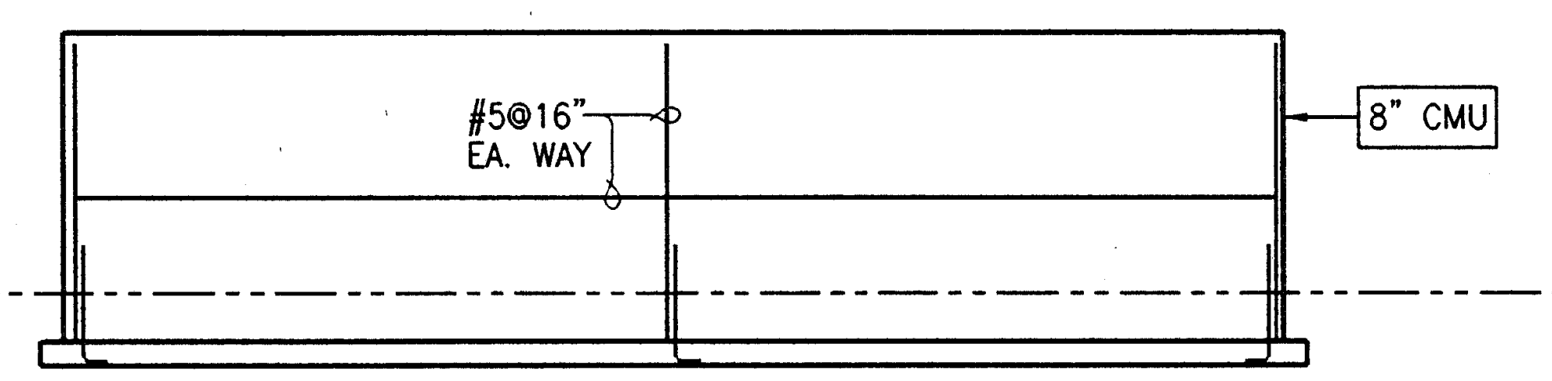
NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

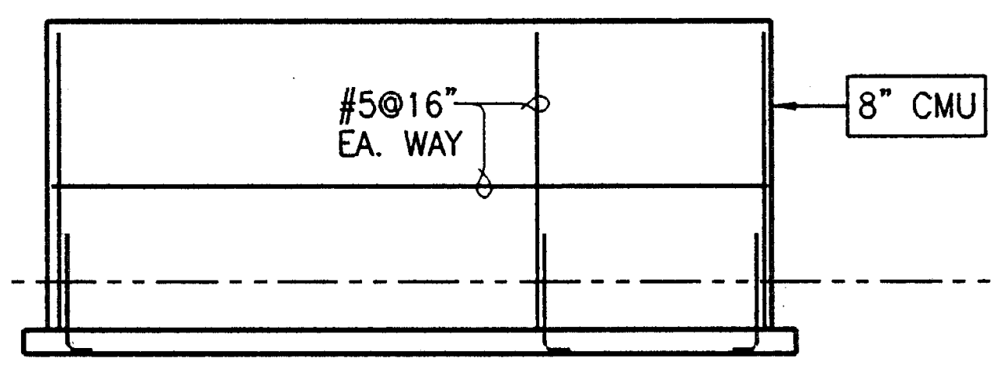
SHEET TITLE
MS/PRINT SHOP BUILDING OBSERVATORY WING SHEAR WALL ELEVATIONS

FILE: S303-552
SCALE 1/8"=1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S3.3
OF _____ SHEETS

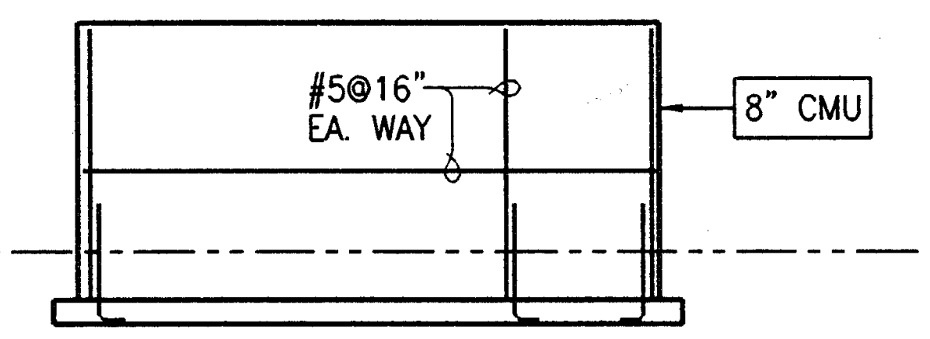


NOTE: ADD #5@16" VERT @ CURVE EA WAY.

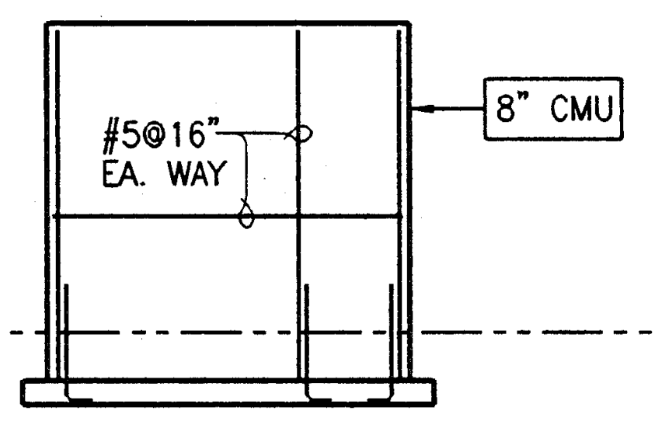
DEVELOPED
SHEAR WALL ELEVATION (A)
1/8" = 1'-0"



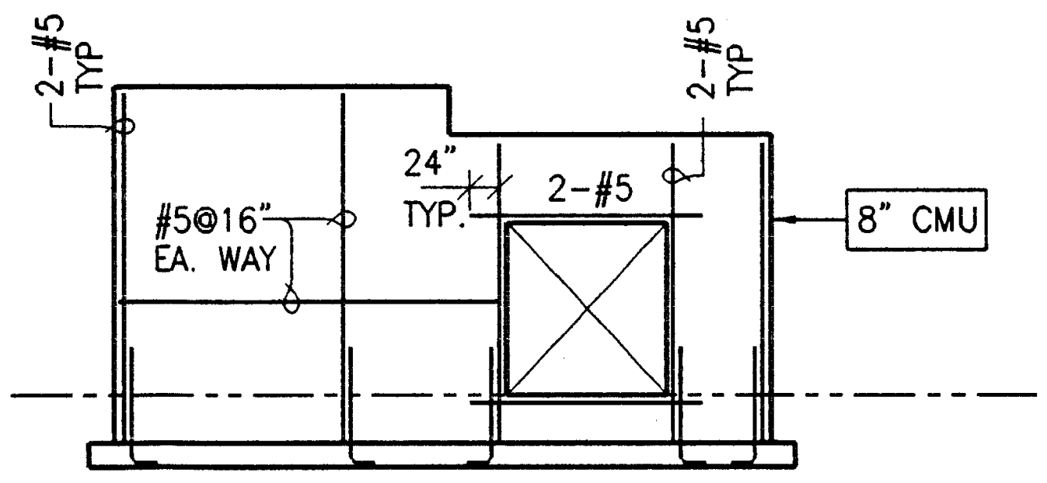
SHEAR WALL ELEVATION (B)
1/8" = 1'-0"



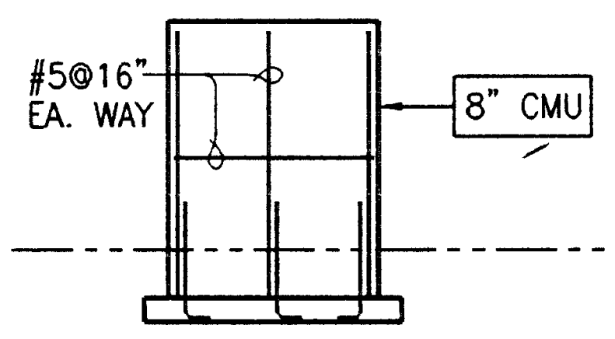
SHEAR WALL ELEVATION (C)
1/8" = 1'-0"



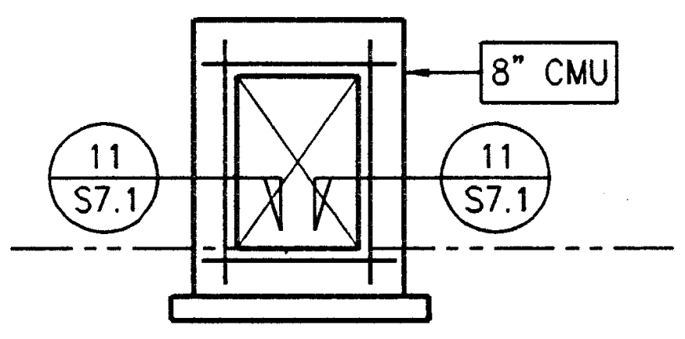
SHEAR WALL ELEVATION (D)
1/8" = 1'-0"



SHEAR WALL ELEVATION (E)
1/8" = 1'-0"

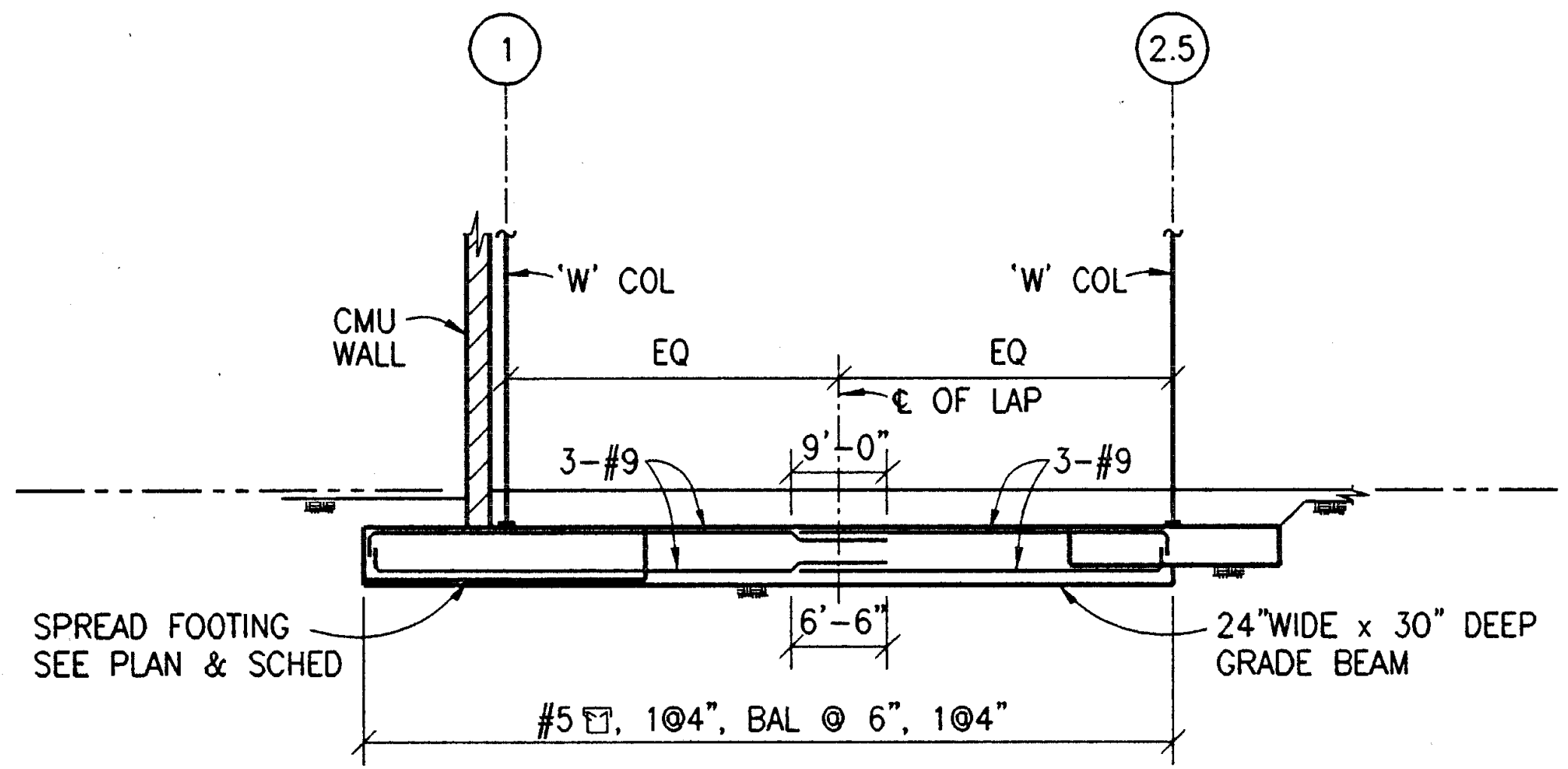


SHEAR WALL ELEVATION (F)
1/8" = 1'-0"

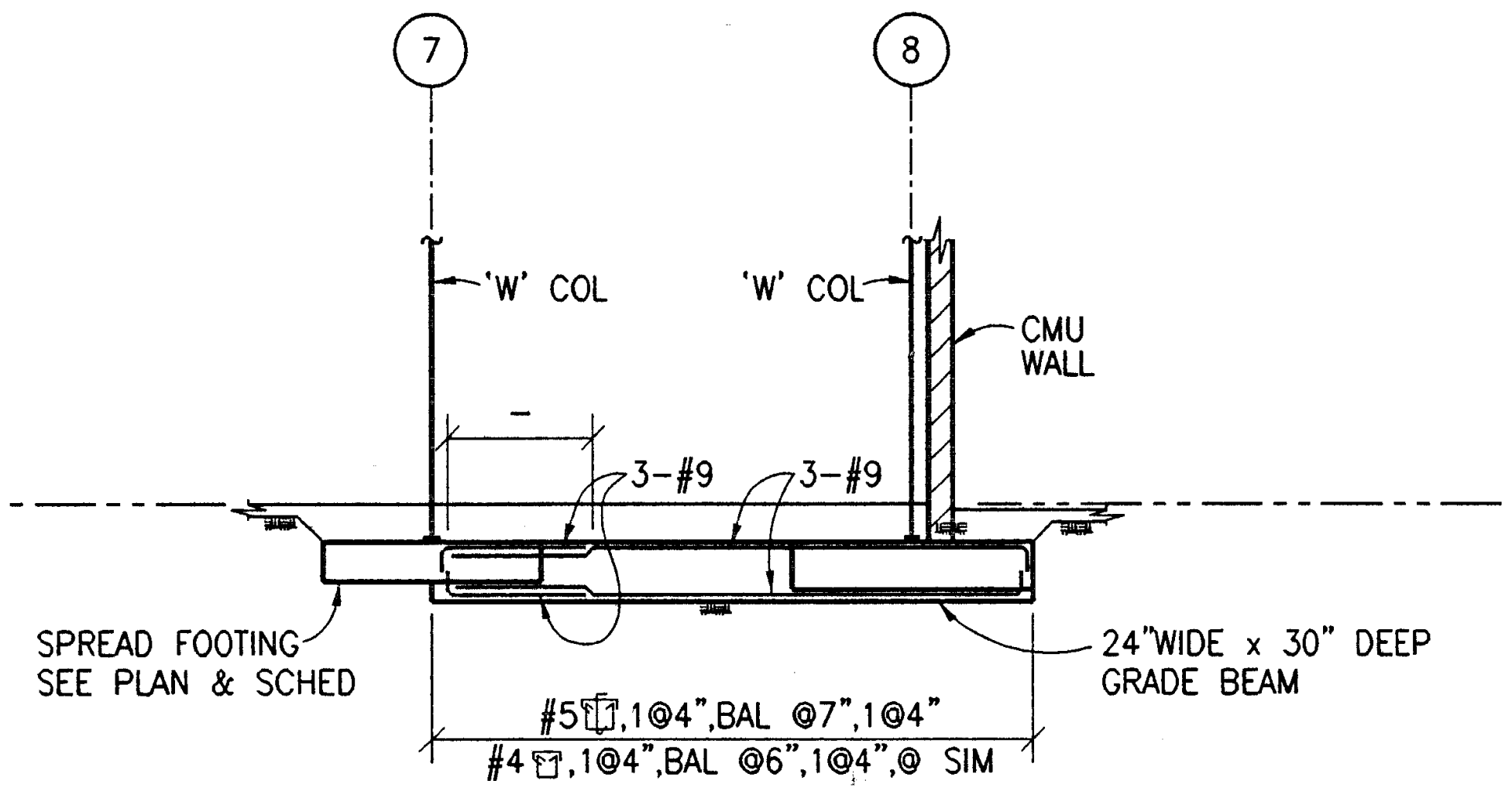


SHEAR WALL ELEVATION (G)
1/8" = 1'-0"

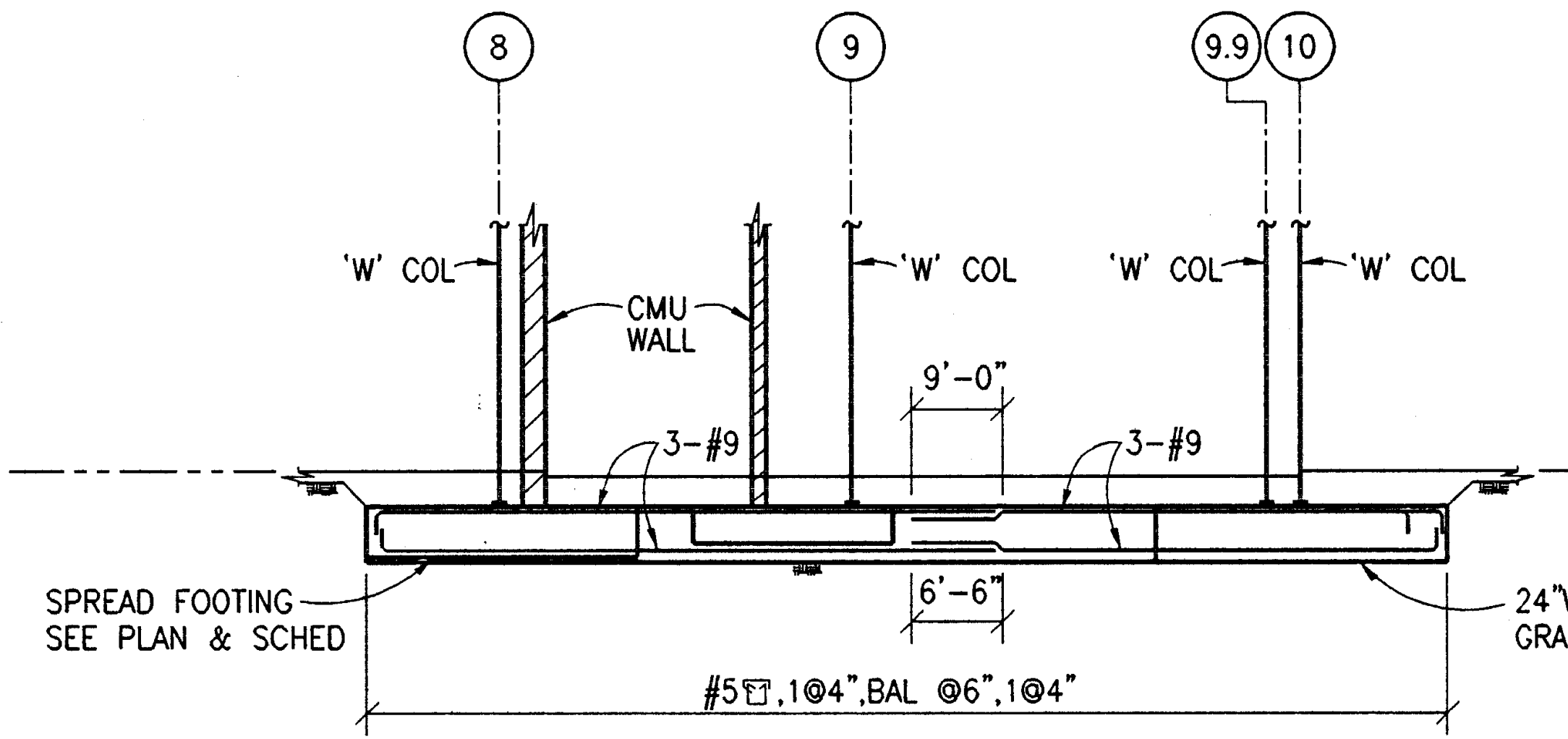
NOTES:
1. SEE SHEET S3.3 FOR BALANCE OF INFORMATION AND NOTES.



GRADE BEAM ELEVATION (AA)
1/8" = 1'-0"



GRADE BEAM ELEVATION (BB)
1/8" = 1'-0"



GRADE BEAM ELEVATION (CC)
1/8" = 1'-0"

2/16/97 S304-552 S3.4 1/8"=1'-0" J8552

PLOT DATE: 07.11.97

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ____ FLS ____ SS Mclly
3-2-8 98

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CONSULTANT
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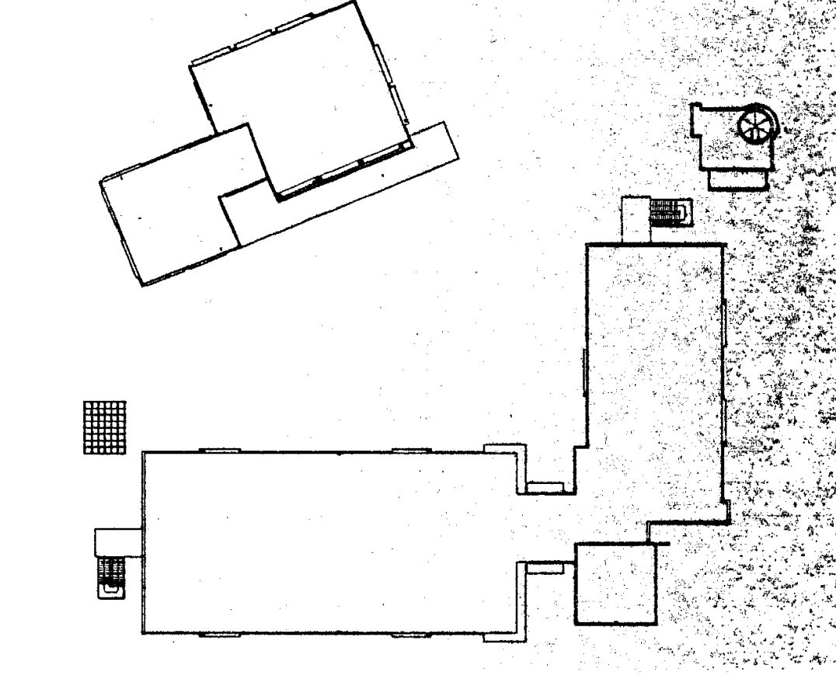
SEAL
JOHN A. MARTIN JR.
No. 1958
EXP 12/31/01
MORRIS R. POINDEXTER
C-13900
RENEWAL DATE

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

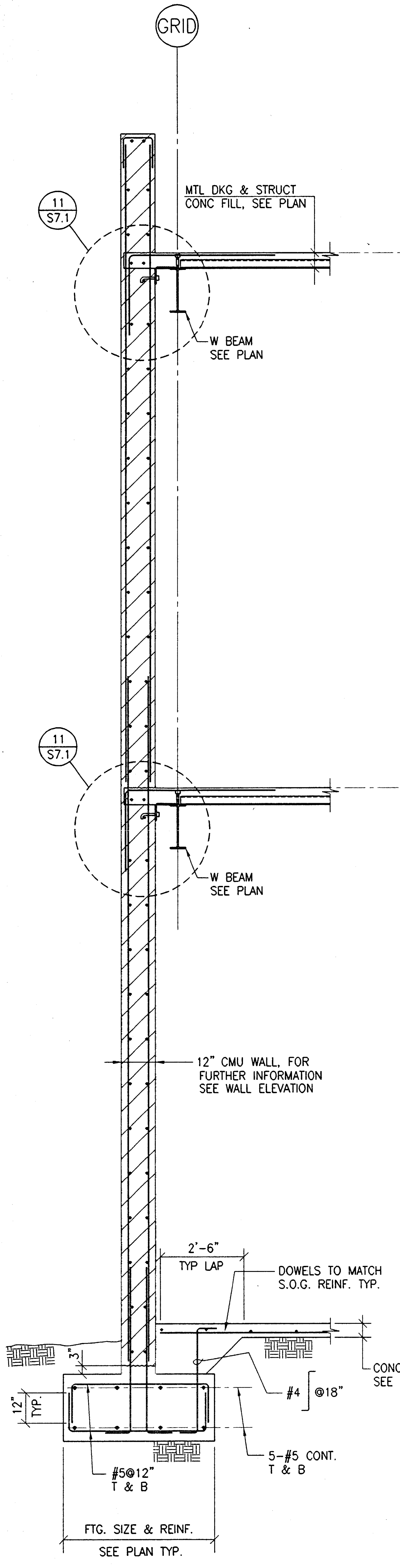
PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MS/PRINT SHOP BUILDING
OBSERVATORY WING
SHEAR WALL ELEVATIONS

FILE:	S304-552	SHEET NO.
SCALE	1/8"=1'-0"	S3.4
JOB NO.	JGM	
DATE	07.14.97	OF ____ SHEETS



WALL SECTION ①
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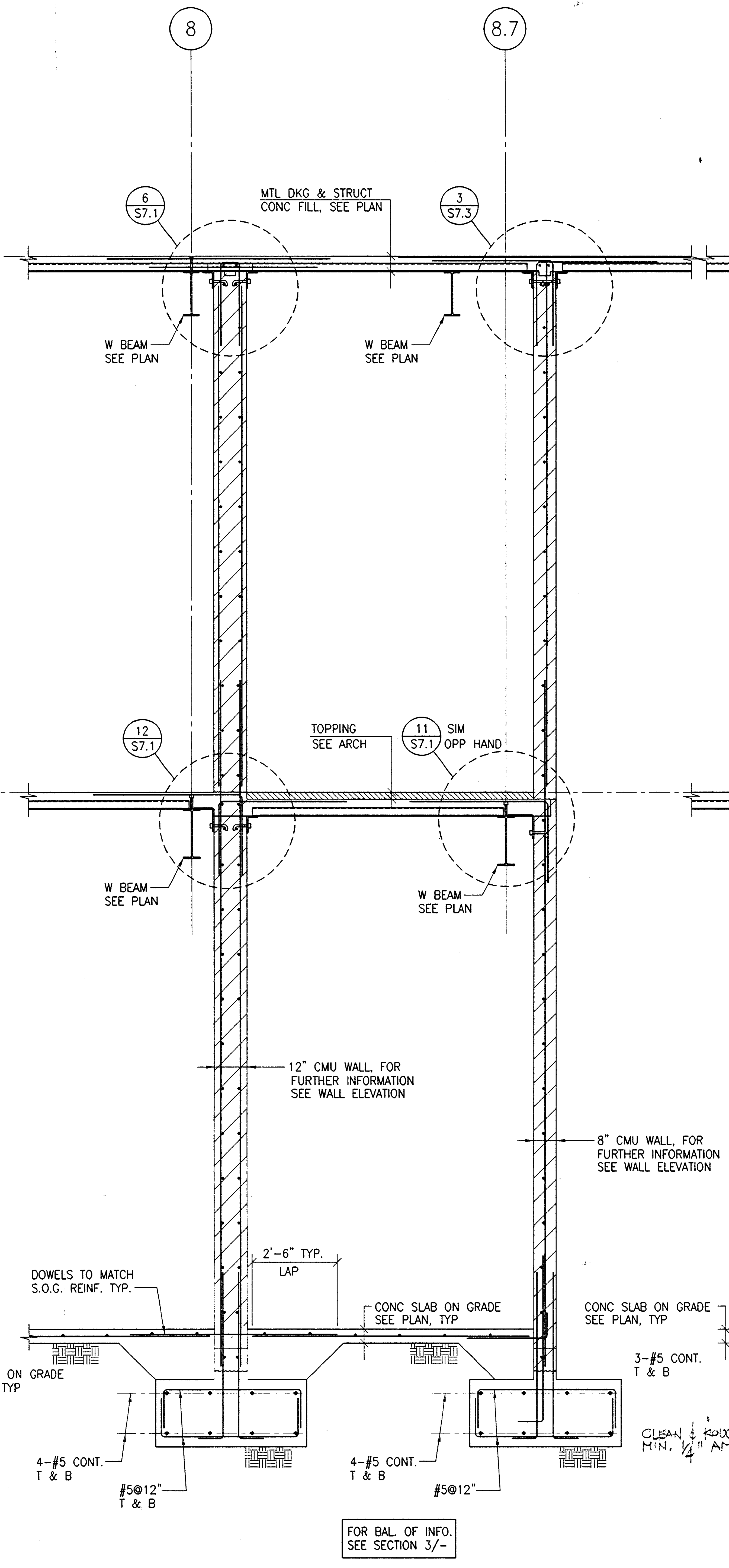

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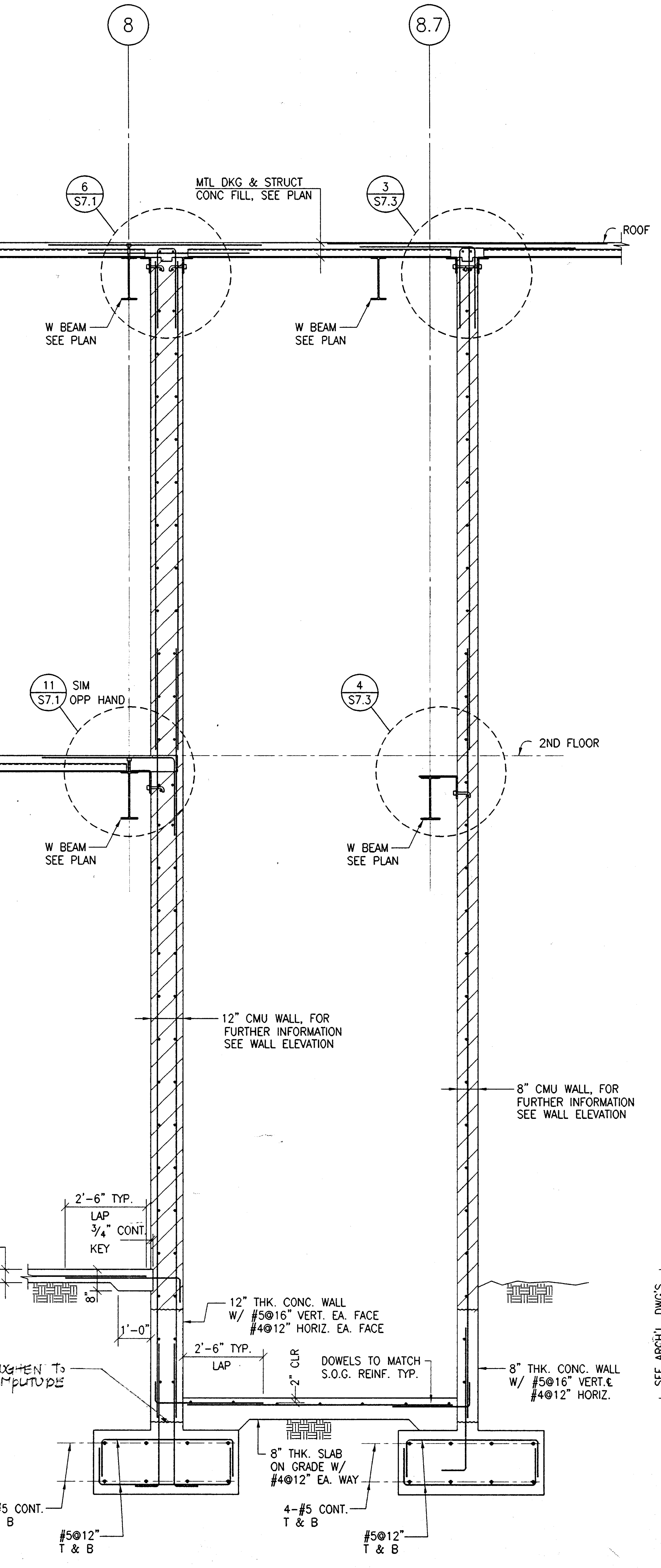

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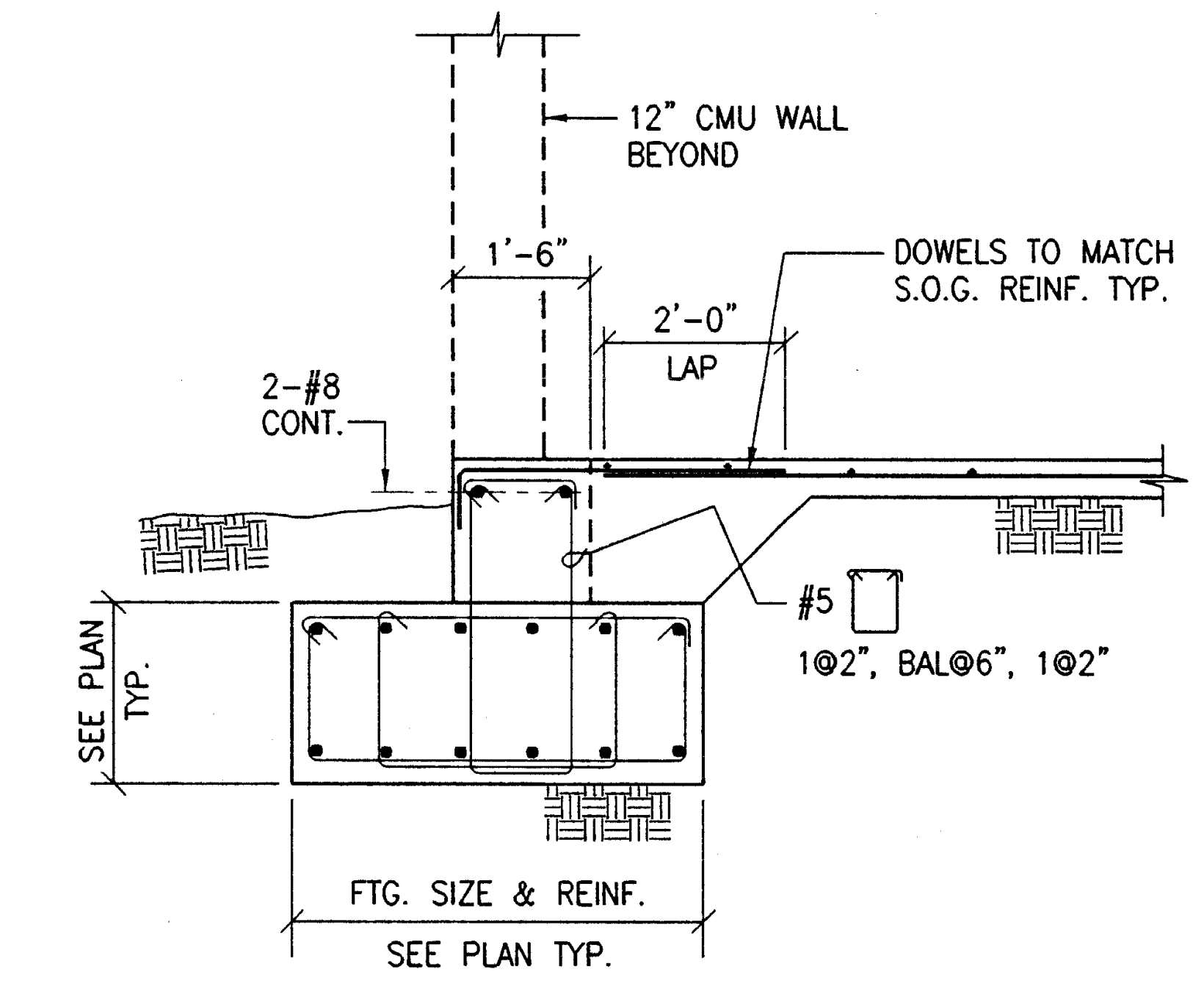

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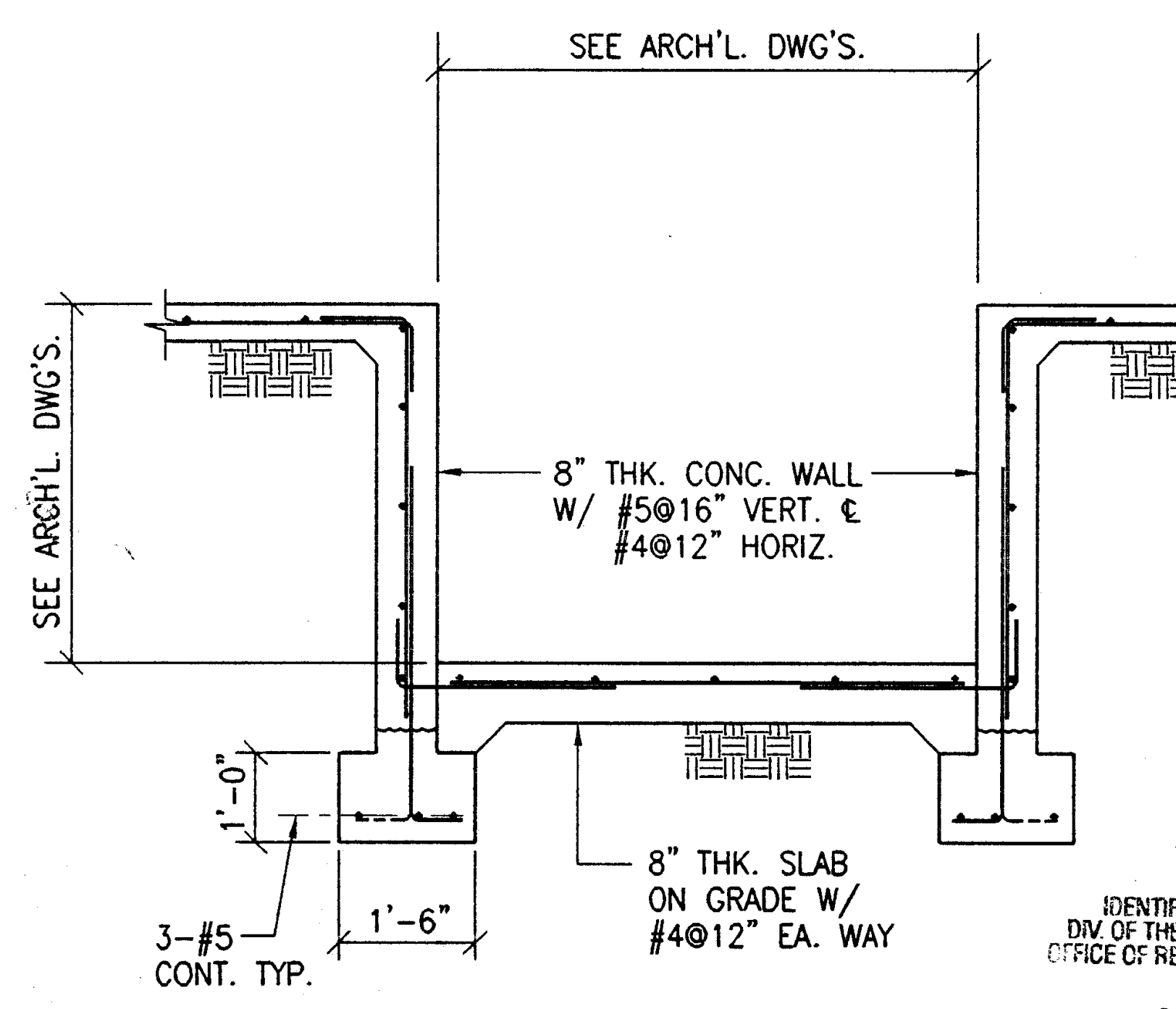

WALL SECTION ④
1/2" = 1'-0"

IDENTIFICATION STAMP
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APPL · 69120
AC ____ FLS ____ SS [illegible]
DATE 3-20-98

07/10/97 S401-552 S4.1 1/2"=1'-0" J8552
PLOT DATE: 07.11.97

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APPROVED JGM

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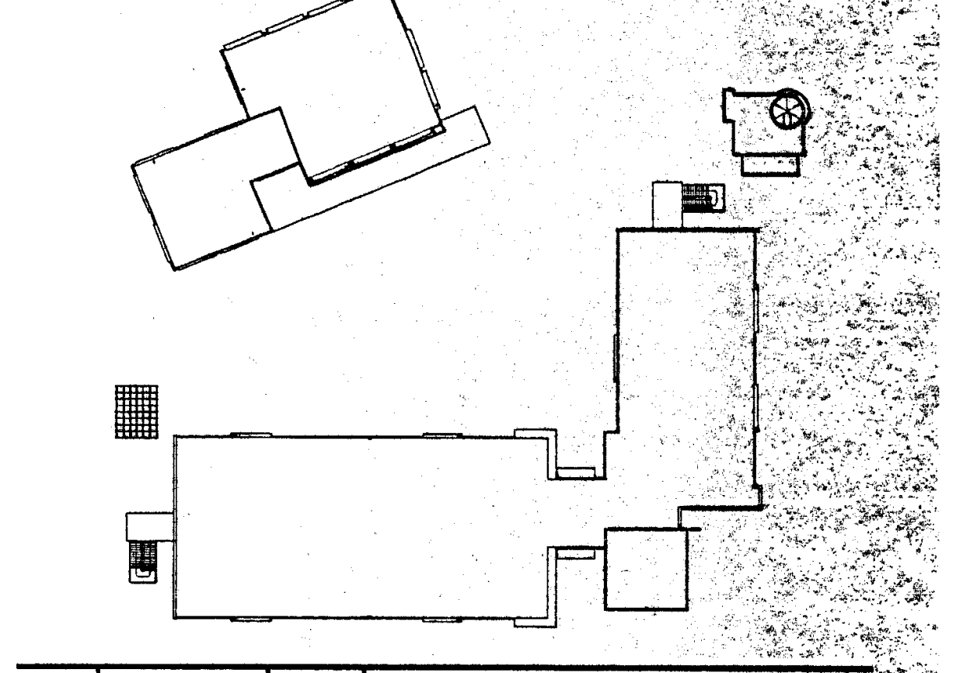
SEAL
JOHN A. MARTIN JR. No. 1958 EXP. 12/31/01
MORRIS H. POINDEXTER C-13900 3-31-99 RENEWAL DATE

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

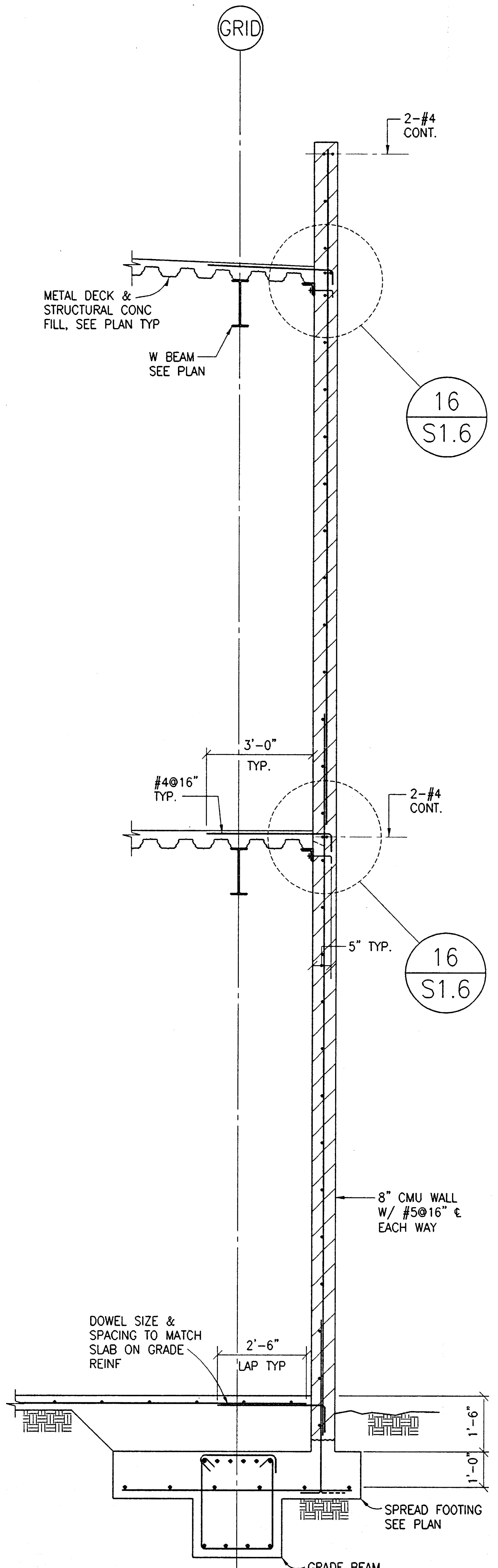
PROJECT

HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE BUILDING
SECTIONS

FILE: S401-552
SCALE 1/2" = 1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S4.1
OF ____ SHEETS



WALL SECTION ①
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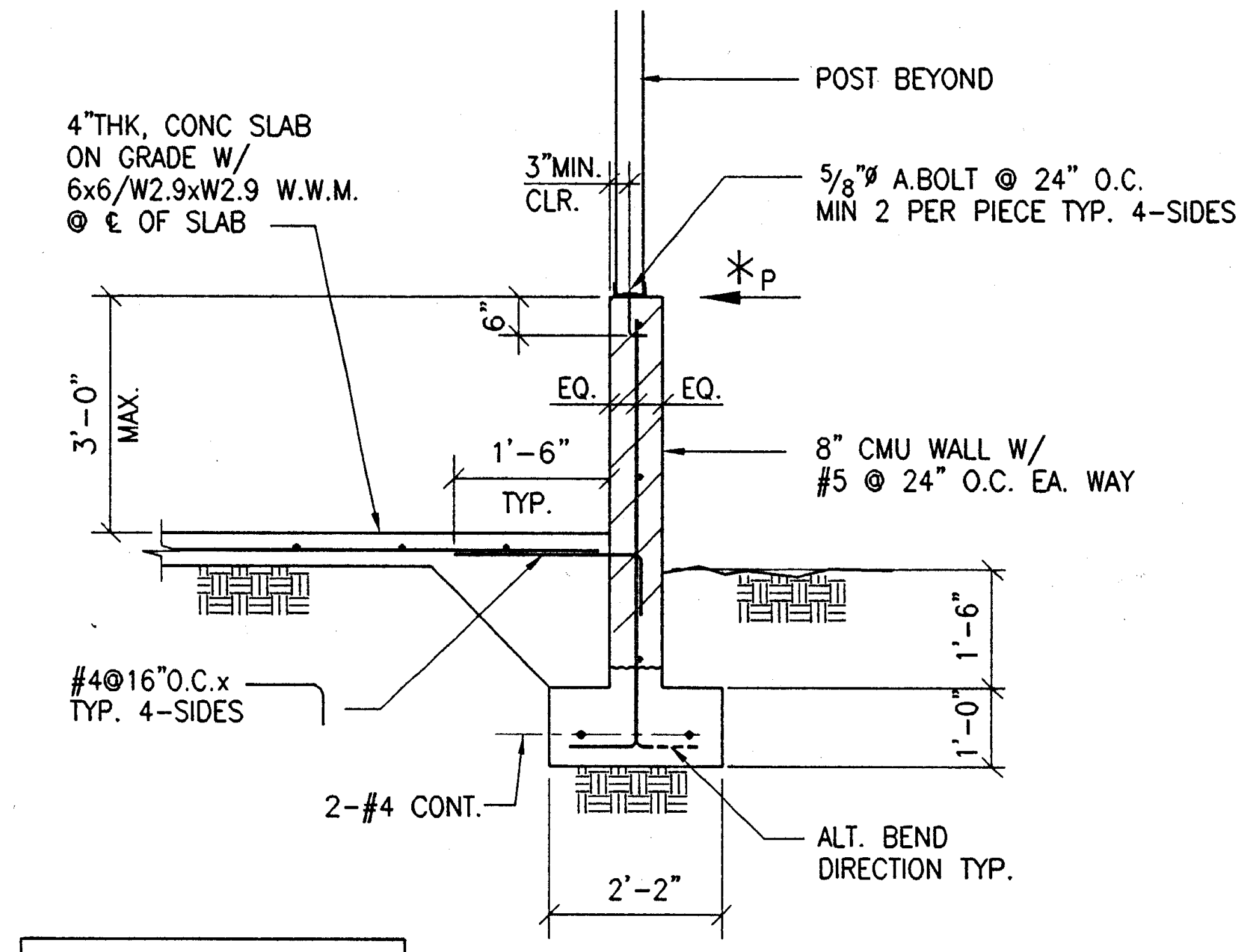

✱ MAXIMUM HORIZONTAL
LOAD P= 120#

WALL SECTION ⑤
1/2" = 1'-0"

12/16/97 S402-552 S4.2 1/2"=1'-0" JB552

PLOT DATE: 07.11.97

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL · 69120

AC ______ FLS ______ SS ws 16
3-20-98

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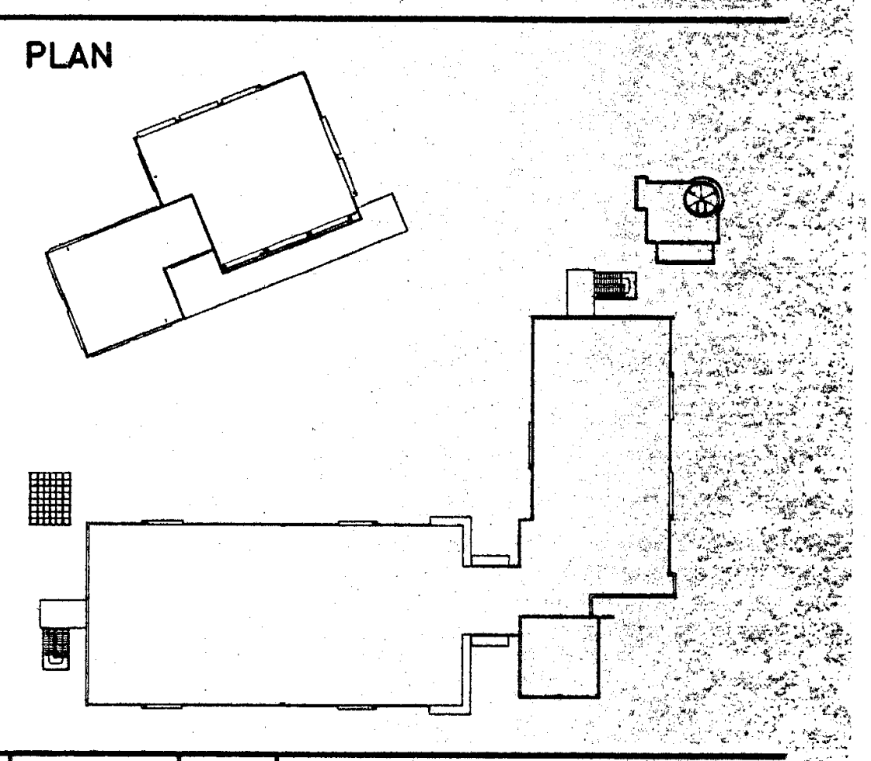
No. 1958
EXP. 12/31/01
C-13900
RENEWAL DATE

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

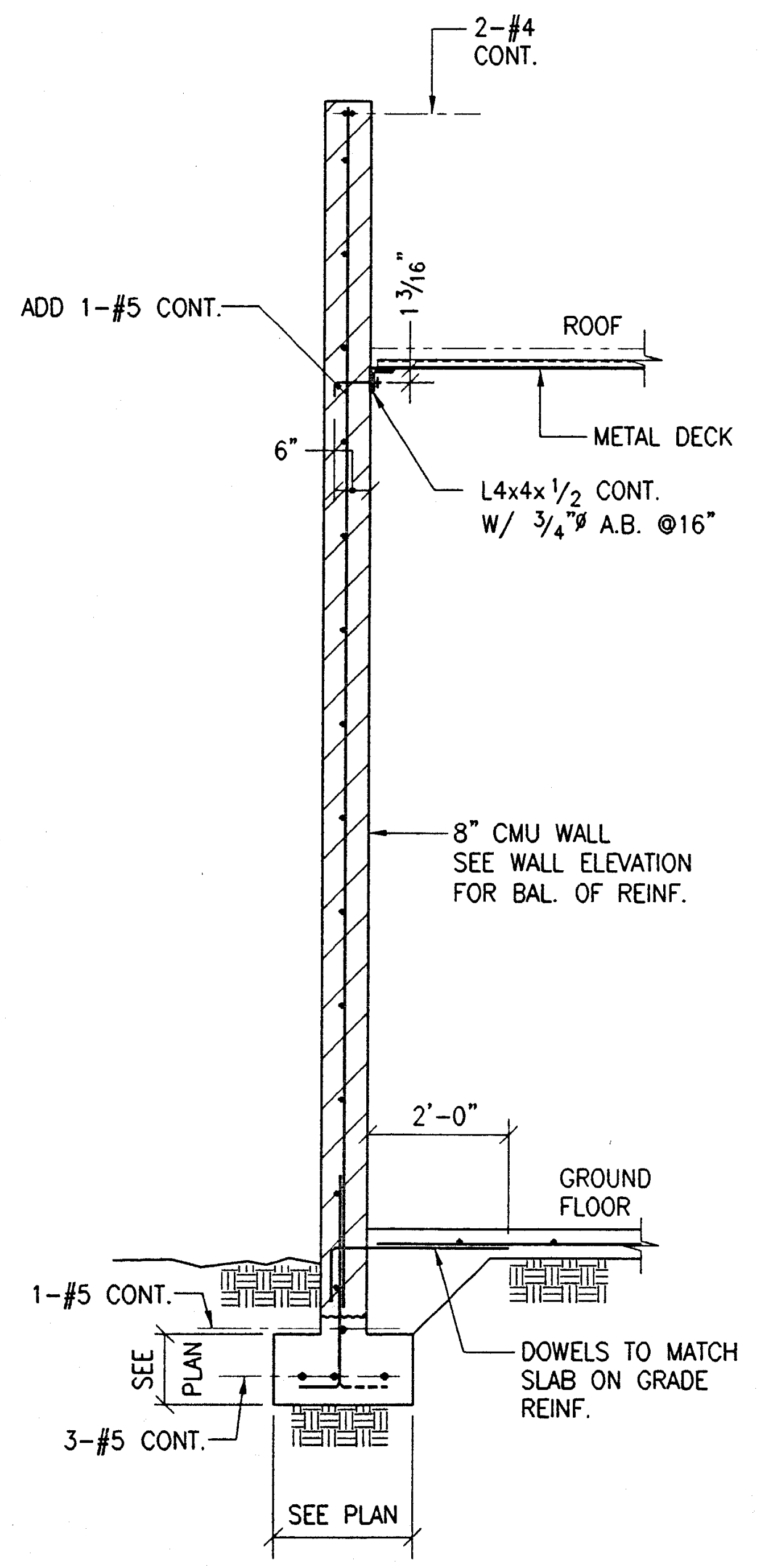
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

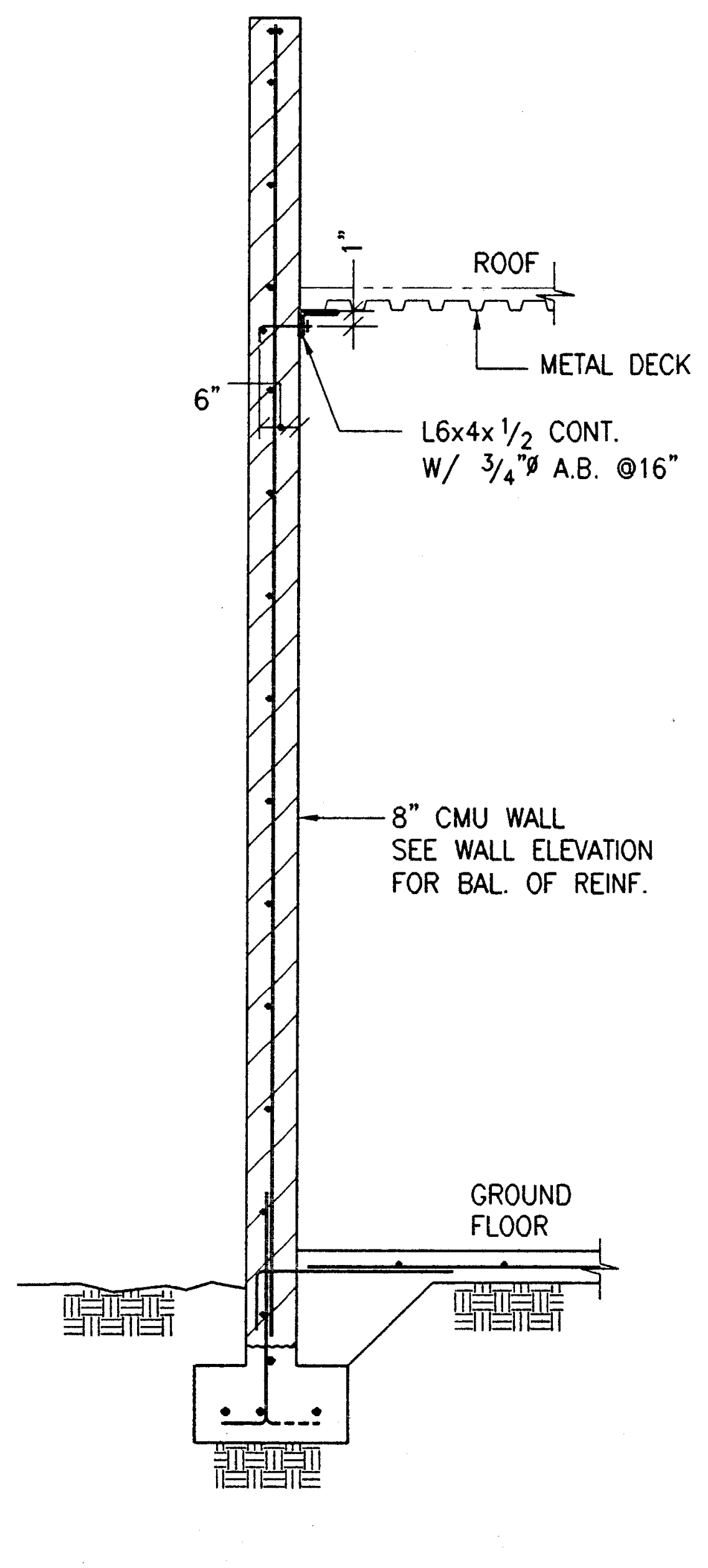
SHEET TITLE
MATH SCIENCE BUILDING SECTIONS

FILE:	S402-552
SCALE	1/2" = 1'-0"
JOB NO.	JGM
DATE	07.14.97

SHEET NO.
S4.2
OF ______ SHEETS

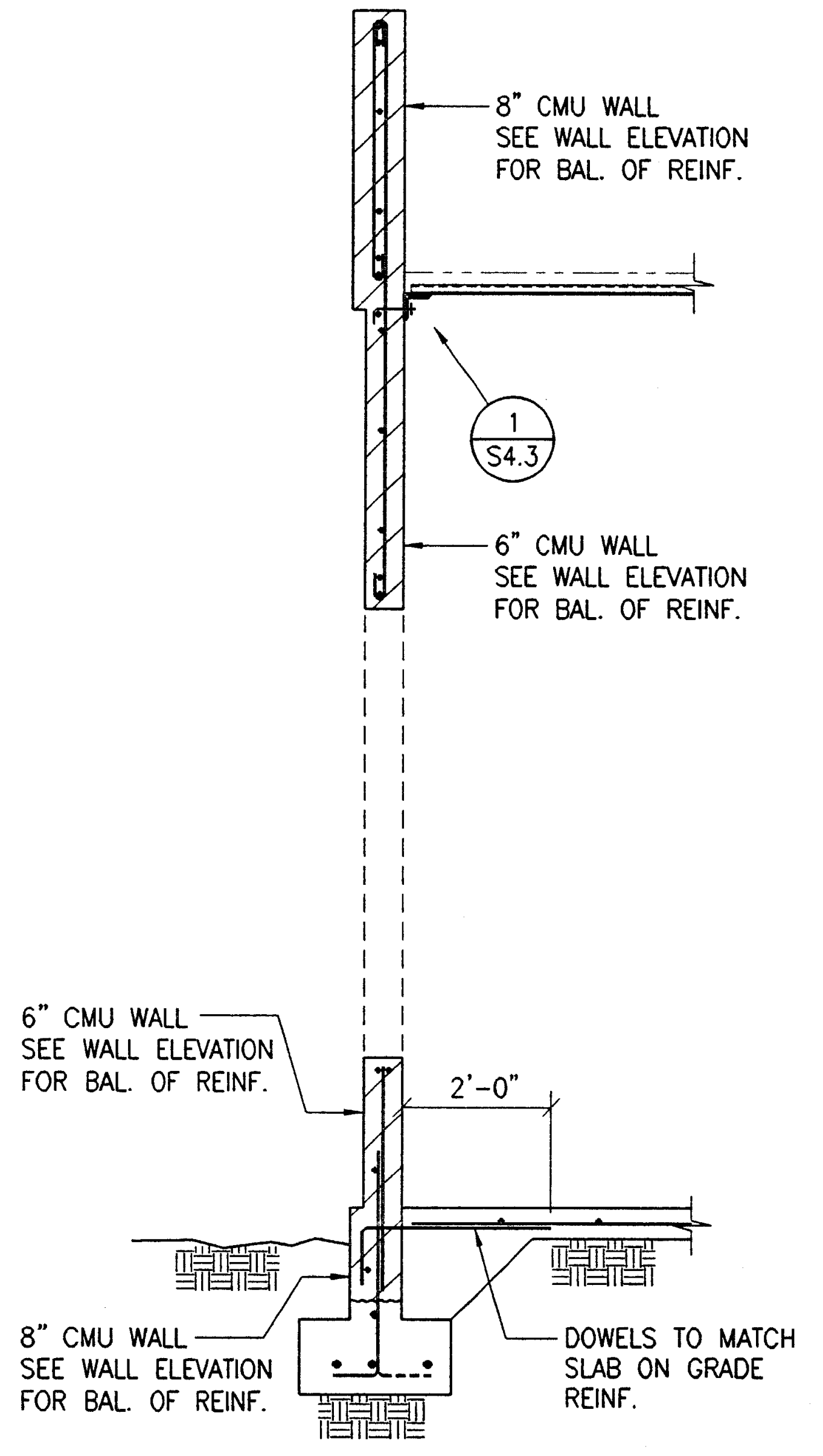


WALL SECTION ①
1/2" = 1'-0"



SEE SECTION 1/-
FOR BAL. OF INFO.

WALL SECTION ②
1/2" = 1'-0"



SEE SECTION 1/-
FOR BAL. OF INFO.

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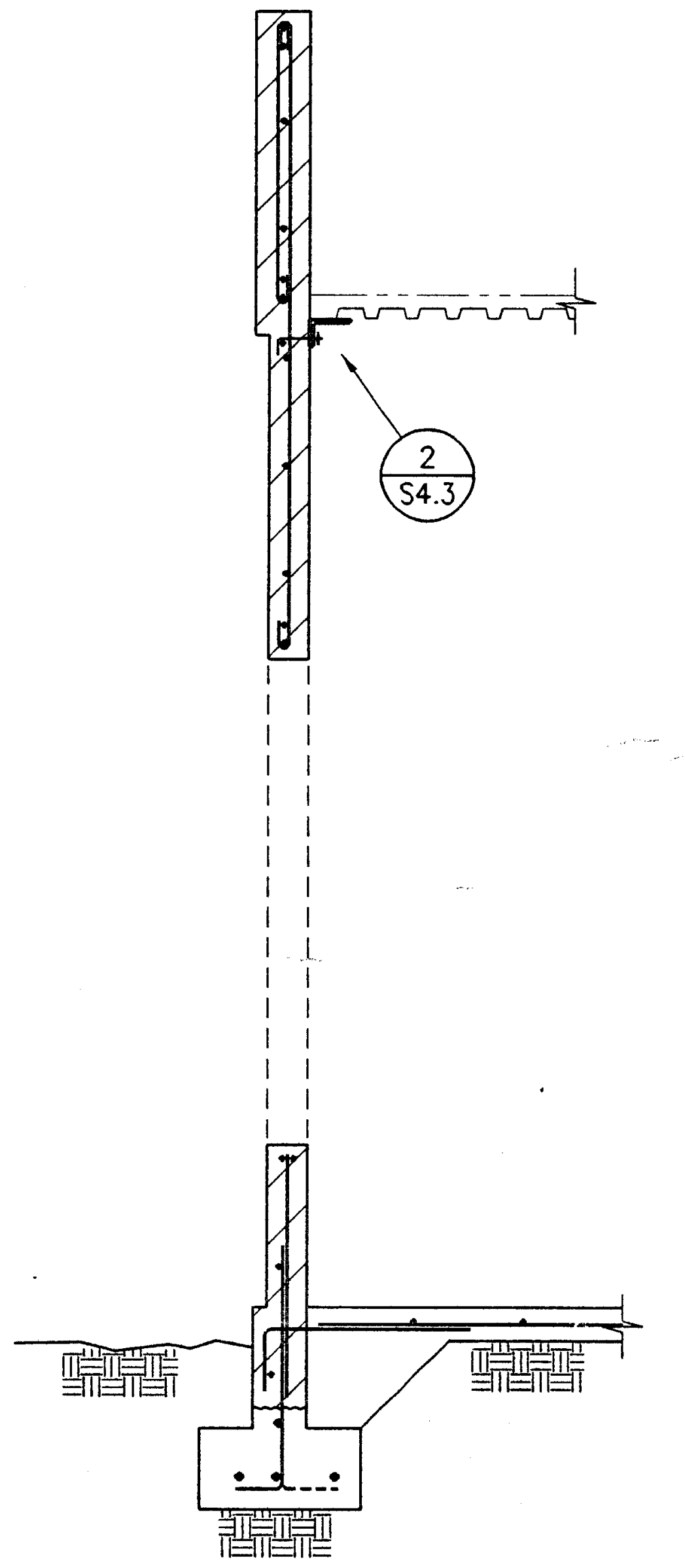
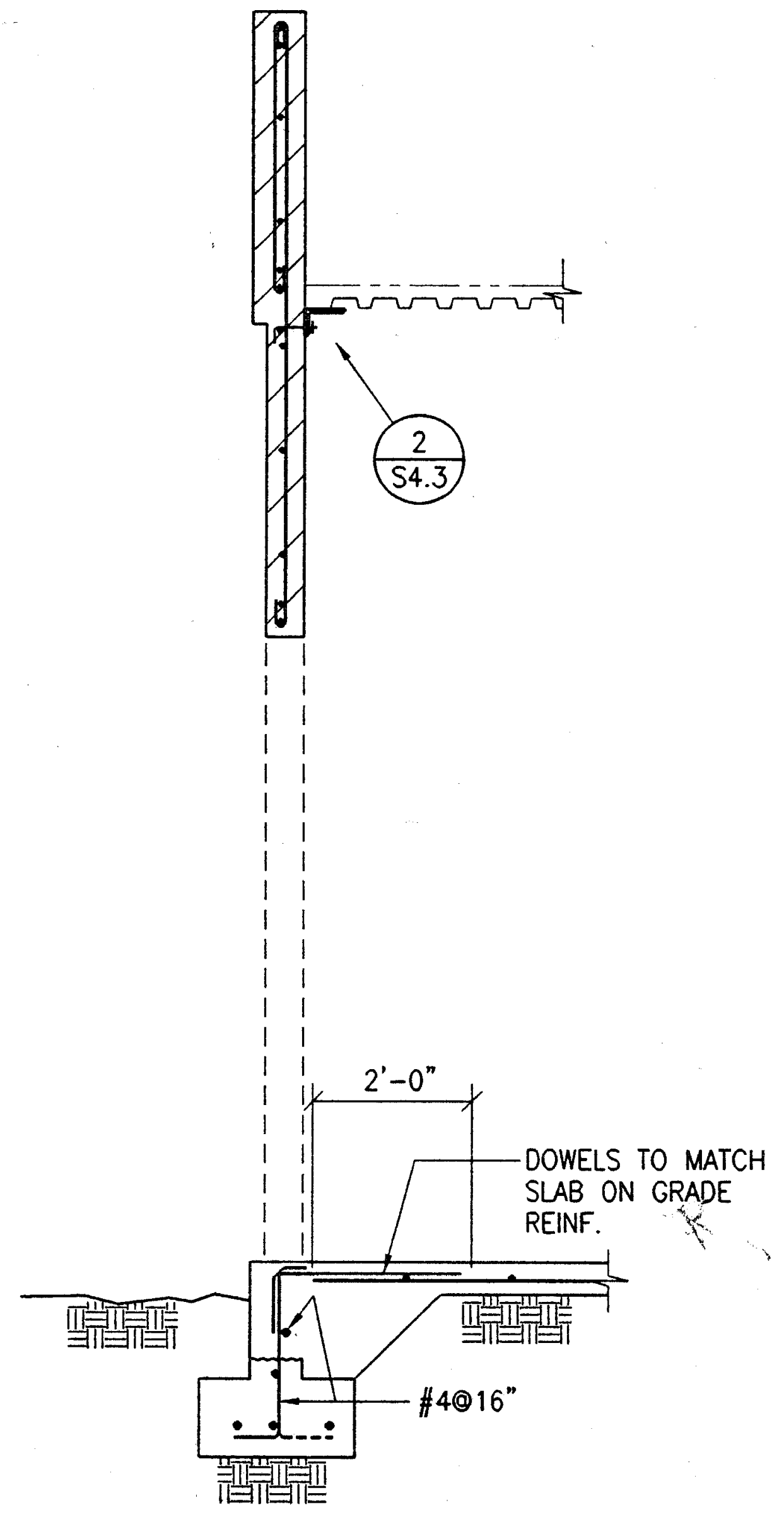


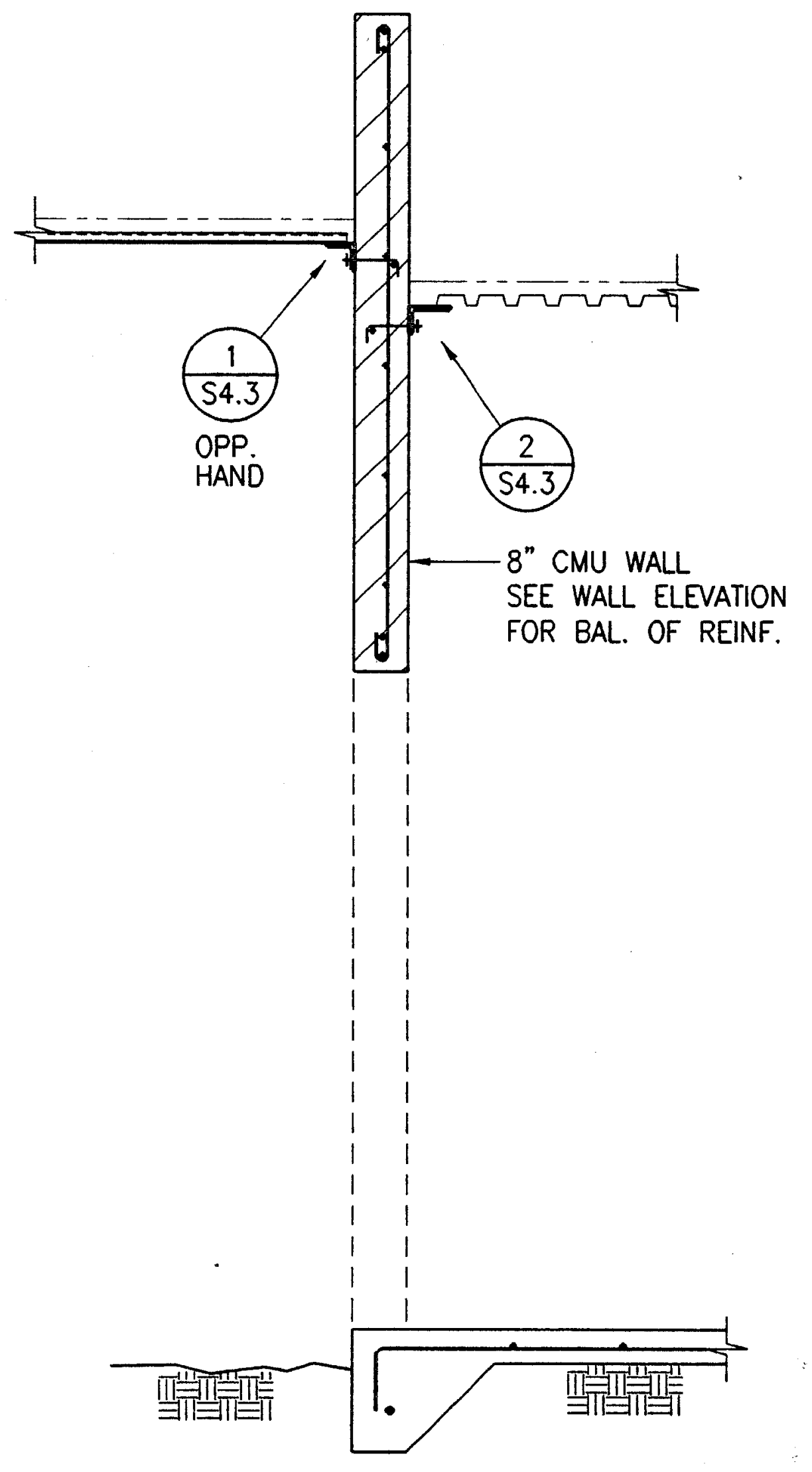
SEE SECTION 3/-
FOR BAL. OF INFO.

WALL SECTION ④
1/2" = 1'-0"



SEE SECTION 3/-
FOR BAL. OF INFO.

WALL SECTION ⑤
1/2" = 1'-0"



WALL SECTION ⑥
1/2" = 1'-0"

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
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07/28/97 S403-552 S4.3 1/2"=1'-0" JB552
PLOT DATE: 07.11.97

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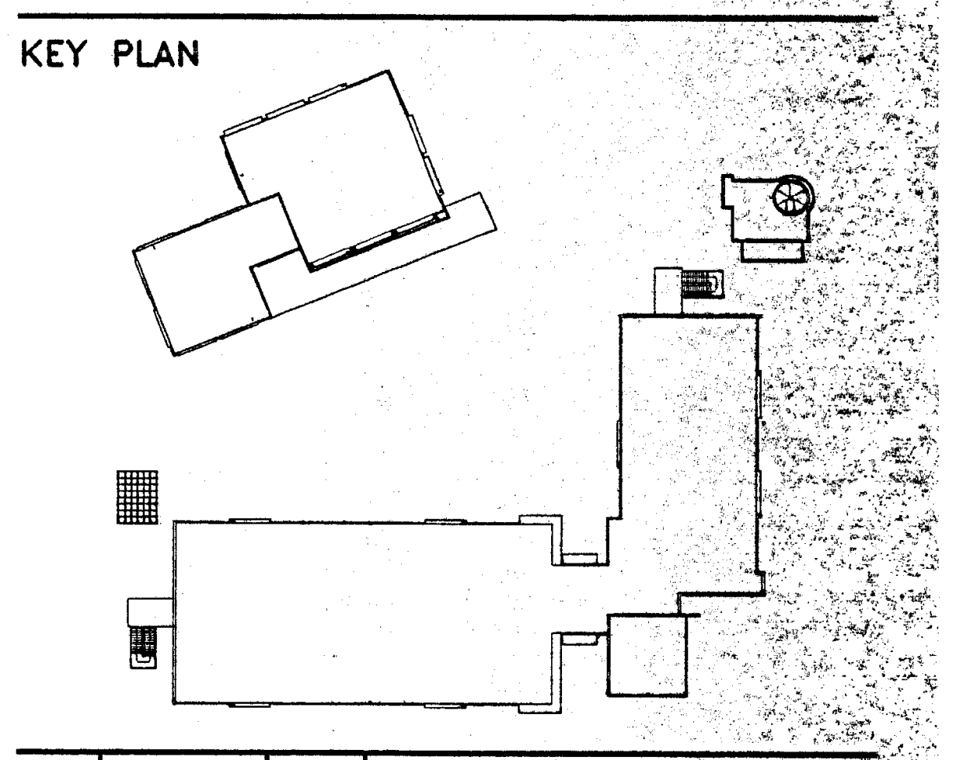
SEAL
JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01
MORRIS R. POINDEXTER
C-13900
3-31-94

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

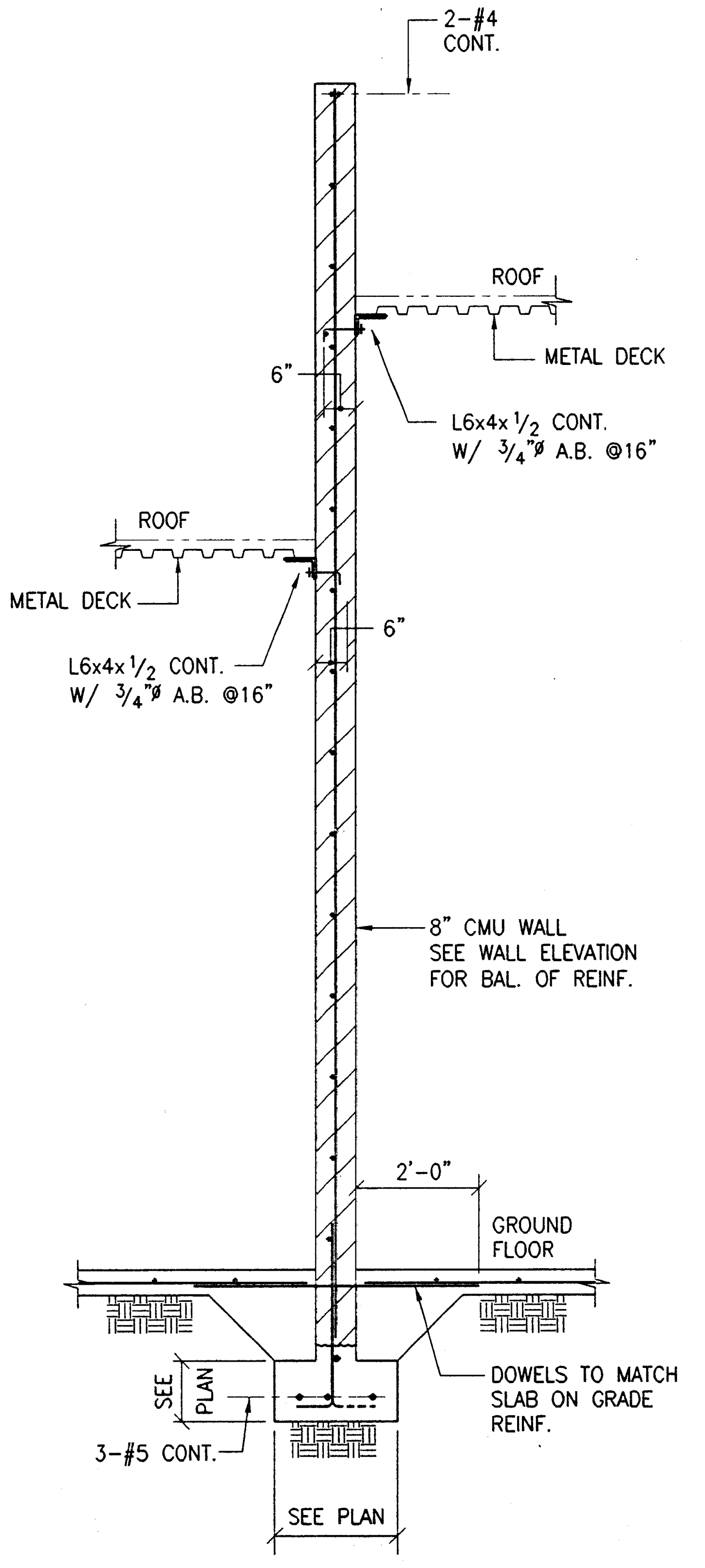
PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
PRINT SHOP SECTIONS

FILE: S403-552
SCALE 1/2" = 1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S4.3
OF ____ SHEETS

WALL SECTION ⑦
1/2" = 1'-0"



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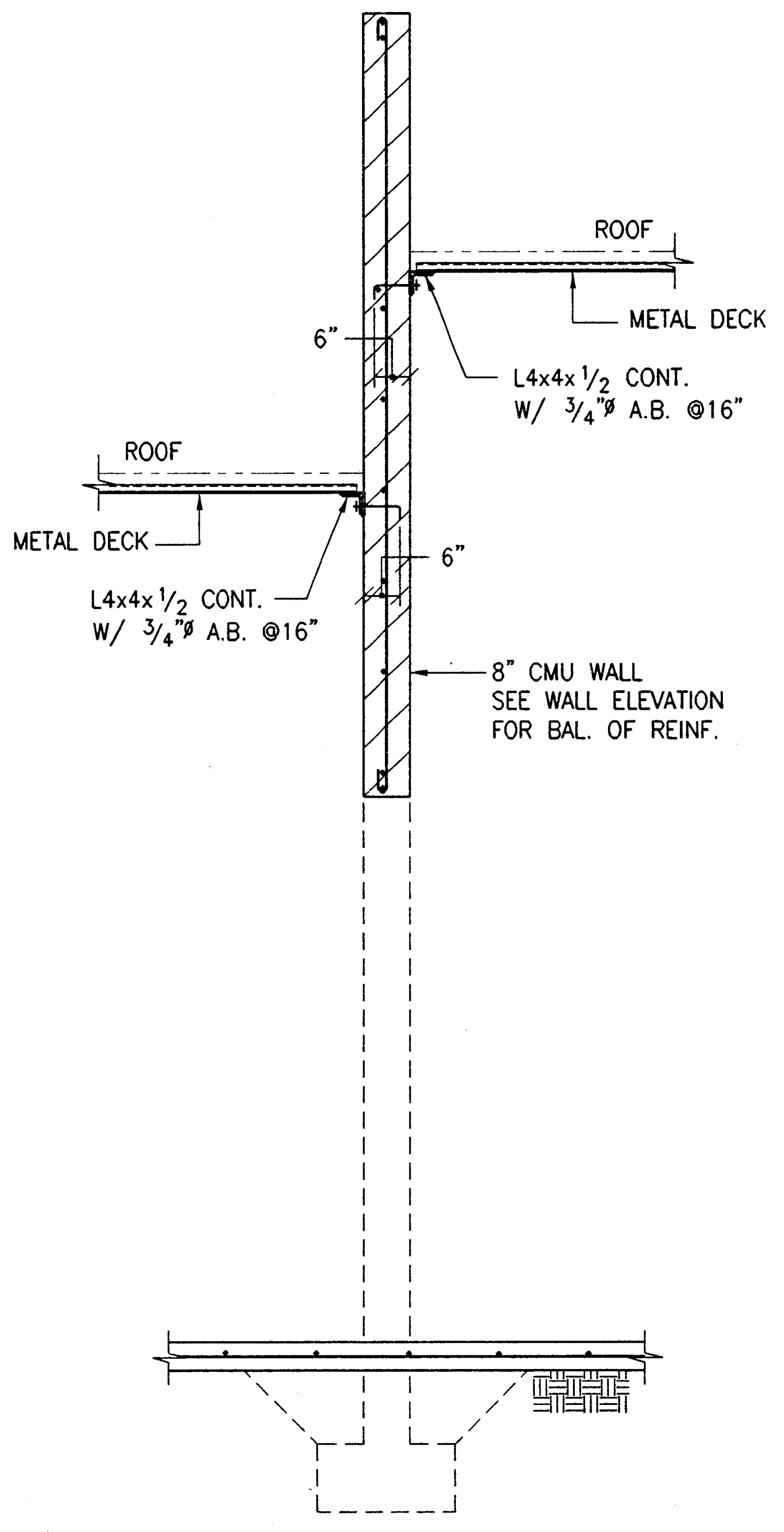

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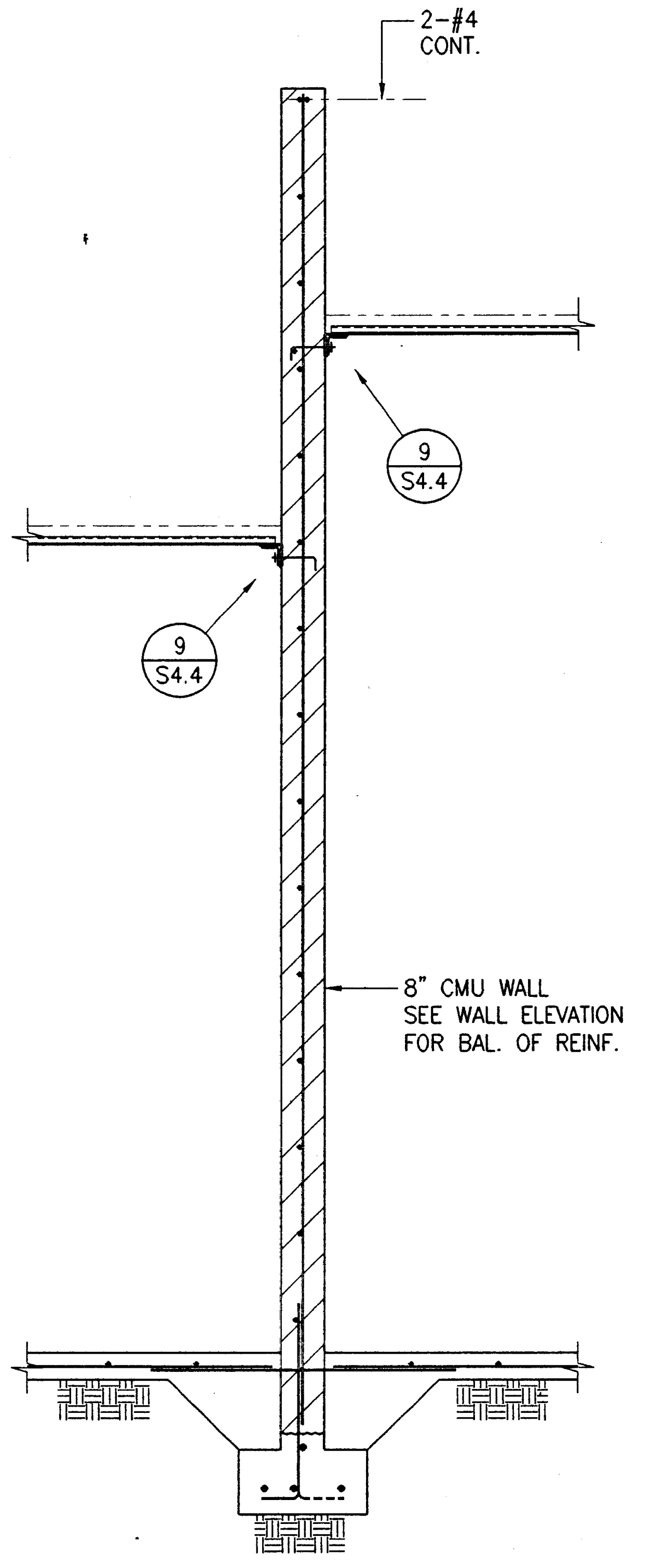

SEE SECTION 8/- FOR BAL. OF INFO.

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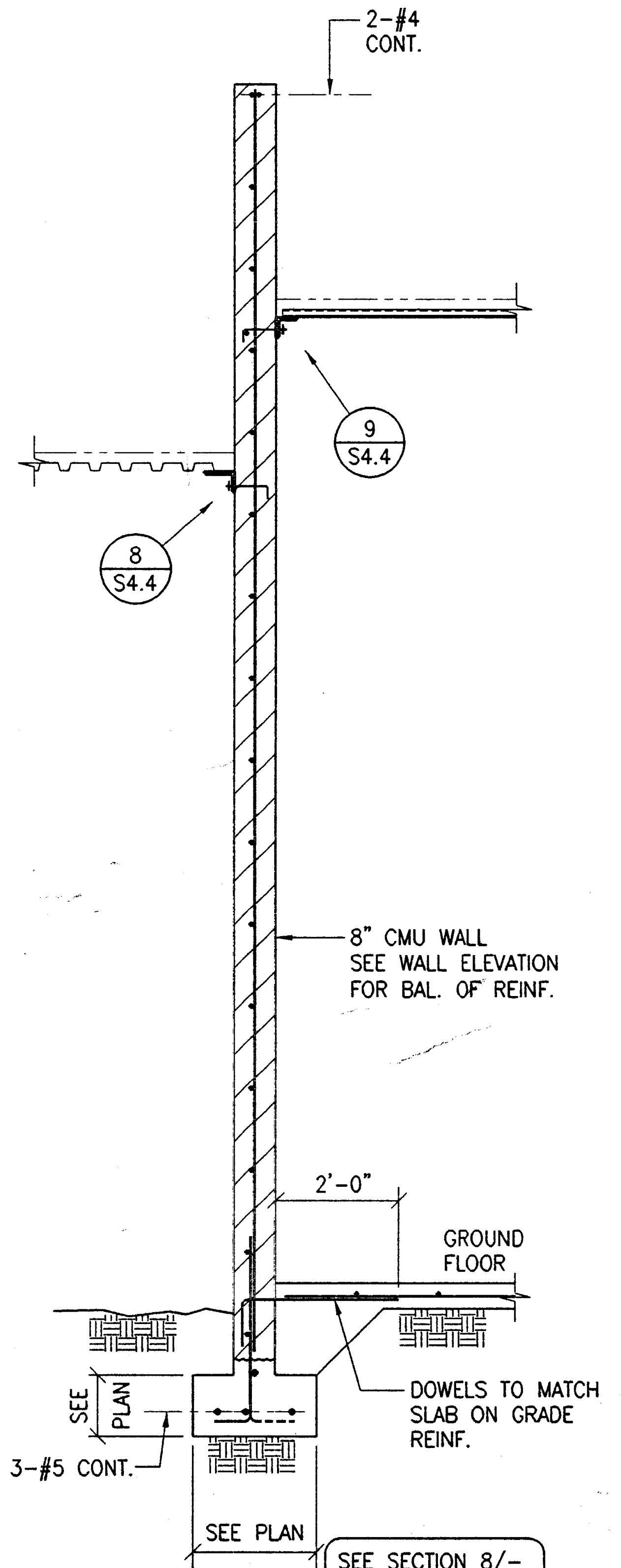

SEE SECTION 8/- FOR BAL. OF INFO.

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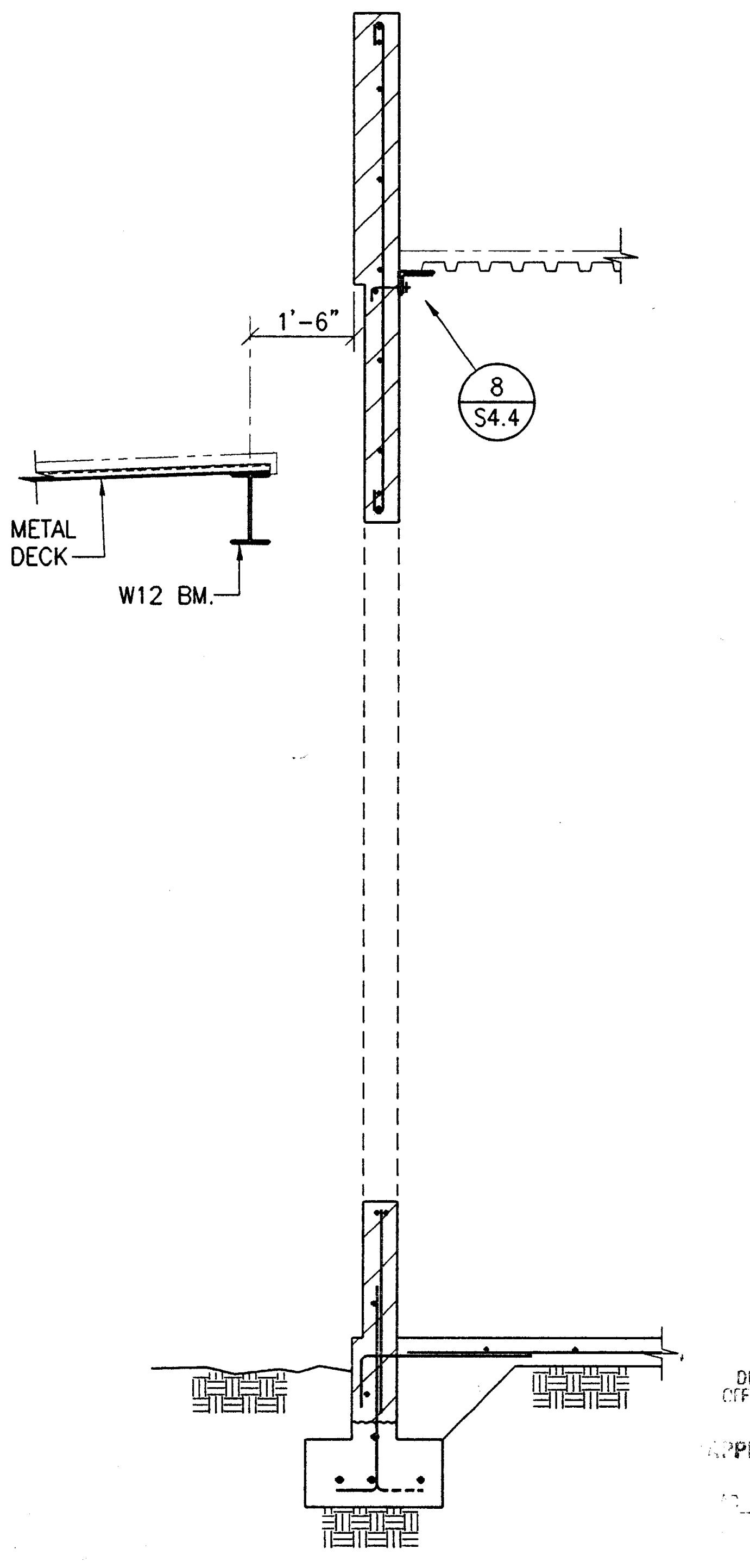

SEE SECTION 11/- FOR BAL. OF INFO.

WALL SECTION ⑫
1/2" = 1'-0"

IDENTIFICATION STAMP
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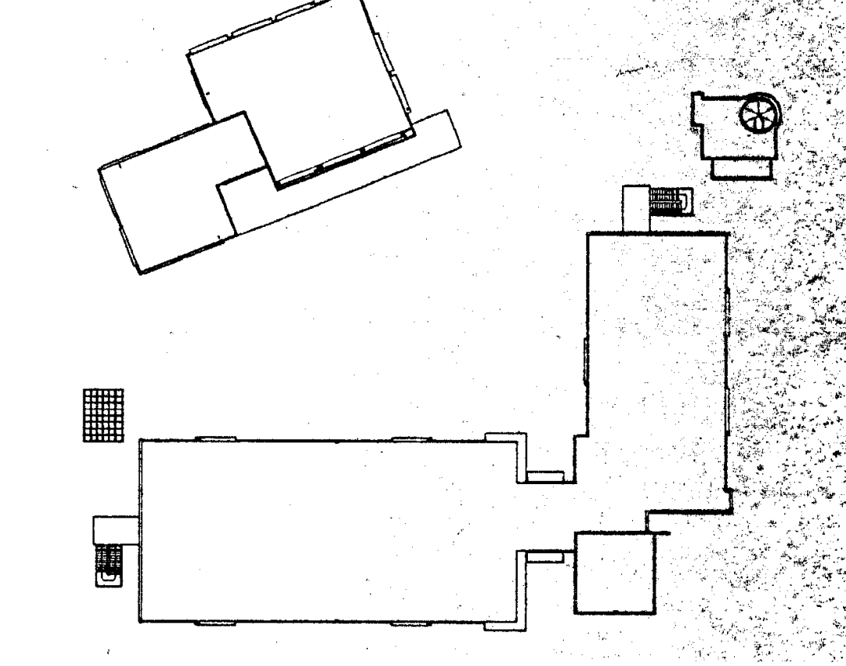
SEAL
JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01
MORRIS R. POINDEXTER
C-13900
3-31-99

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

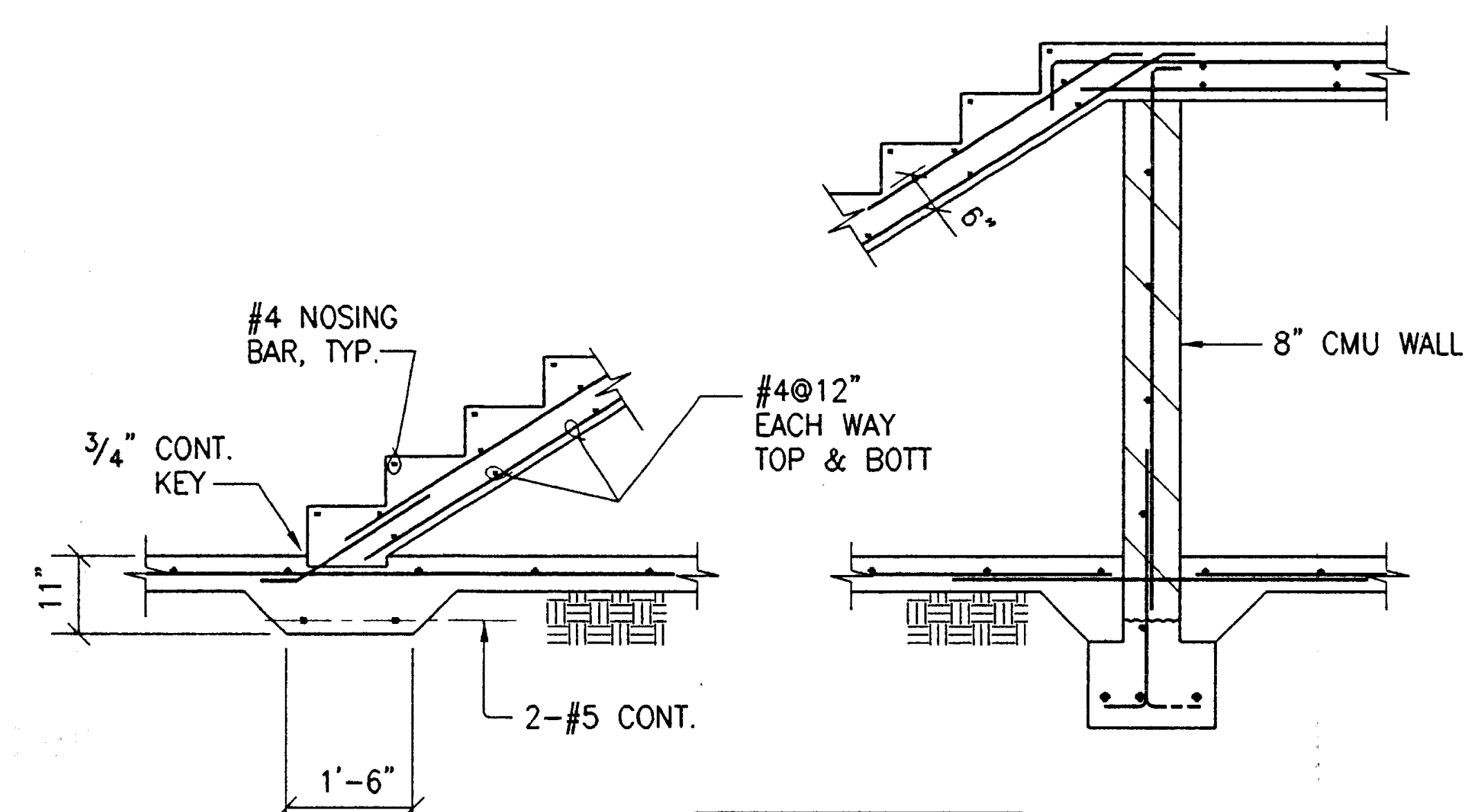
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

SECTIONS

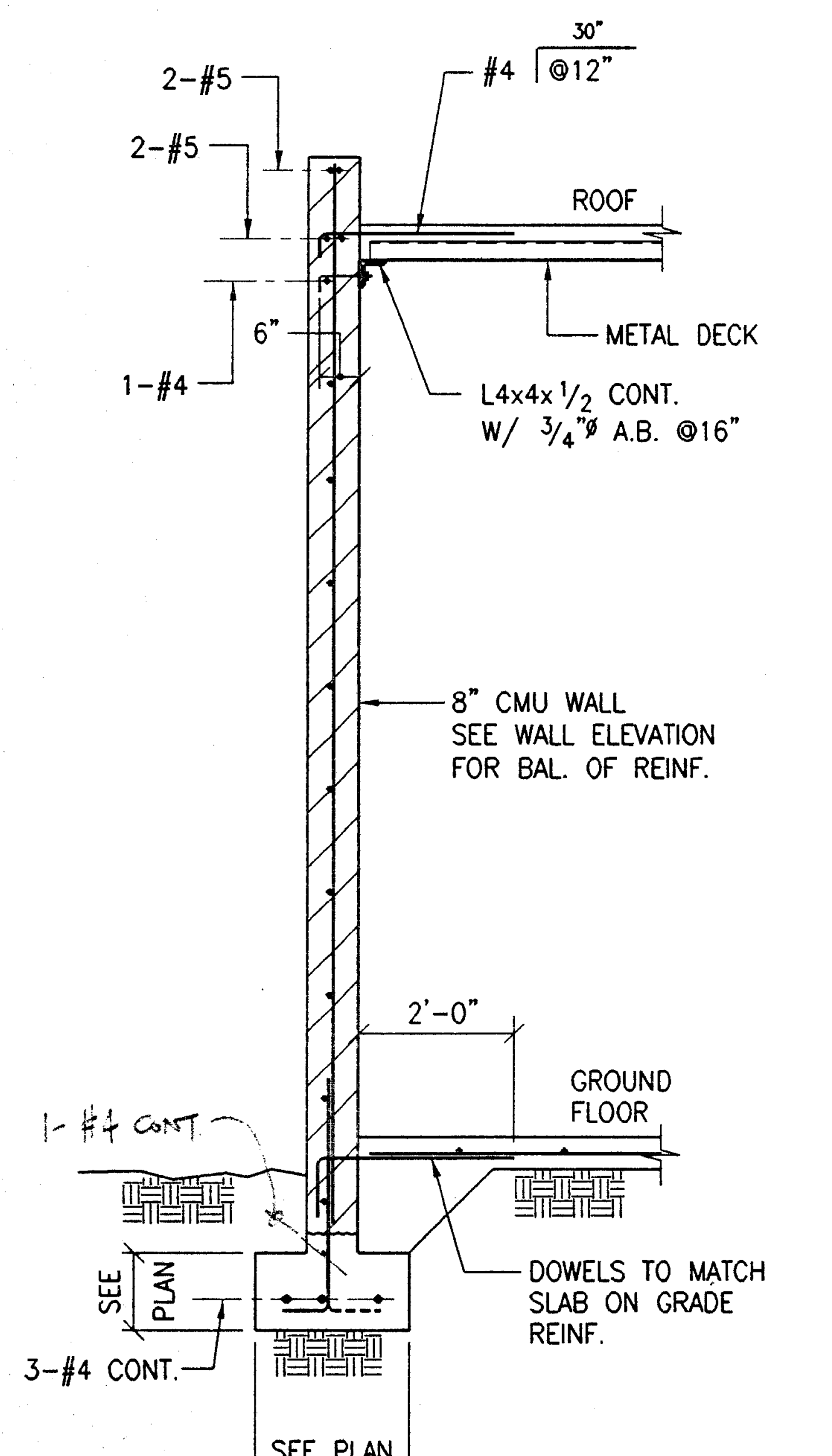
FILE: S404-552
SCALE 1/2" = 1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S4.4
OF ____ SHEETS

PLOT DATE: 07.11.97



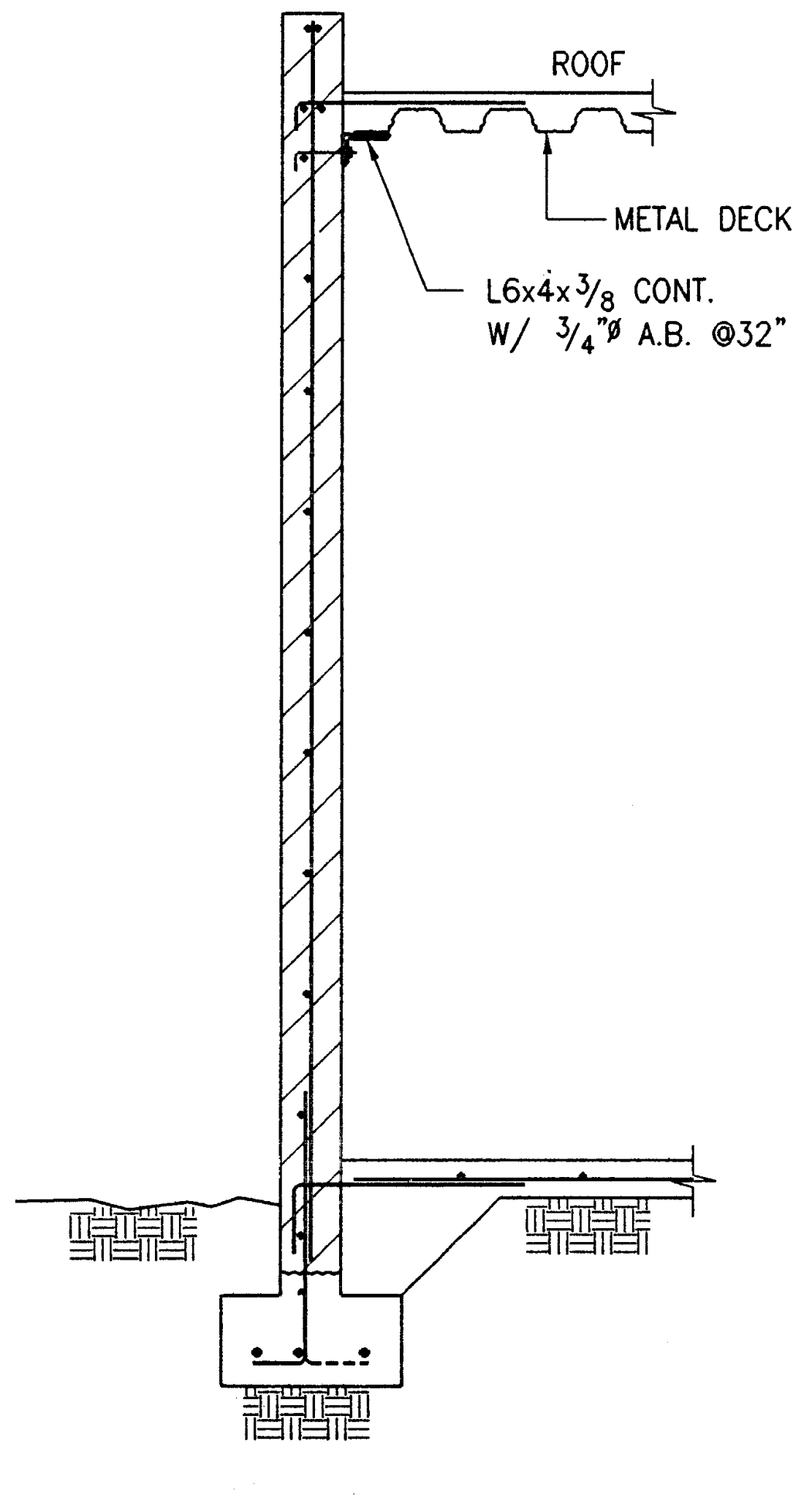
FOR BALANCE OF INFO SEE SECT. 6/-

WALL SECTION ⑦
1/2" = 1'-0"



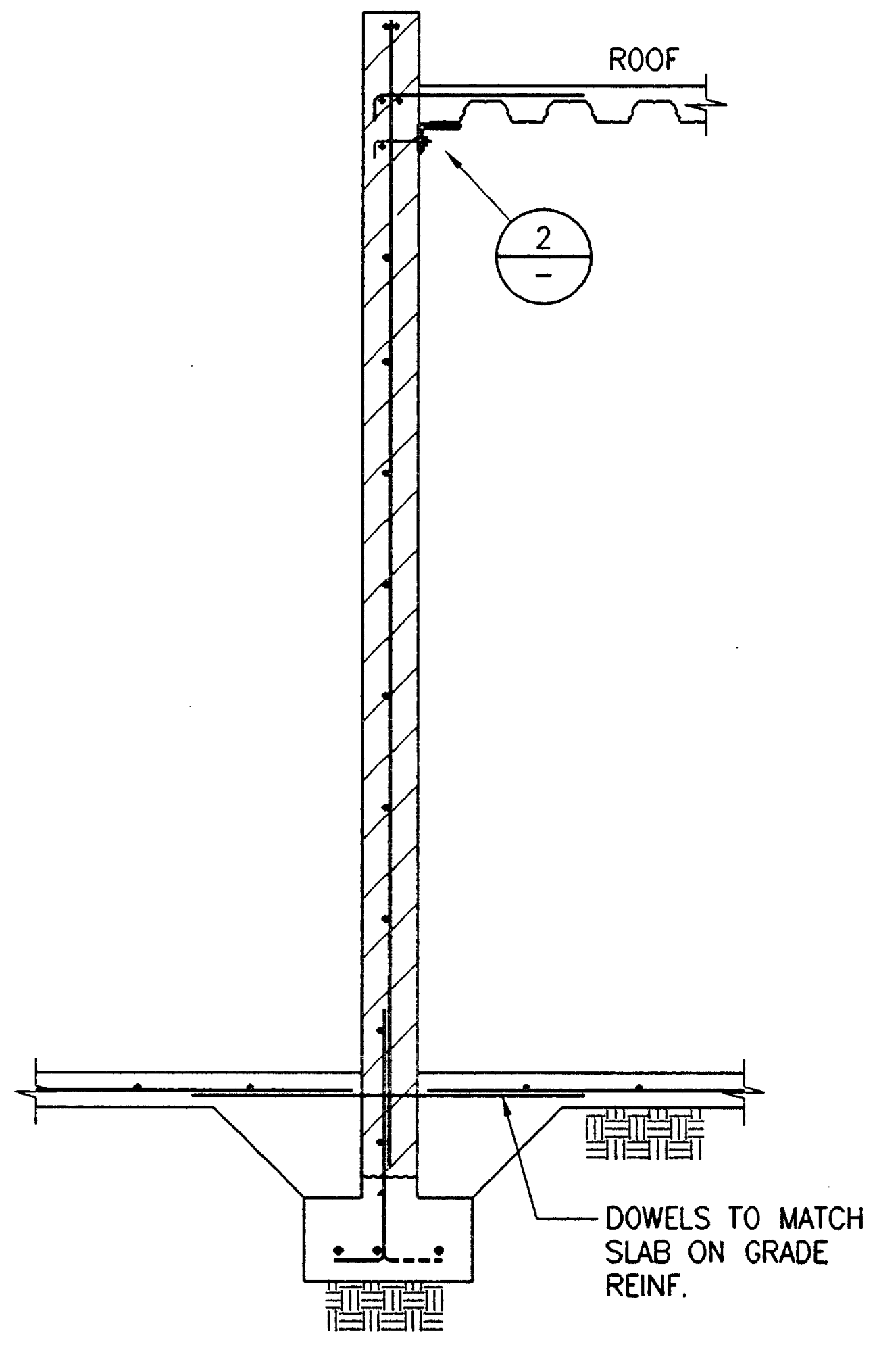
SEE SECTION 1/S4.3 FOR BAL. OF INFO.

WALL SECTION ①
1/2" = 1'-0"



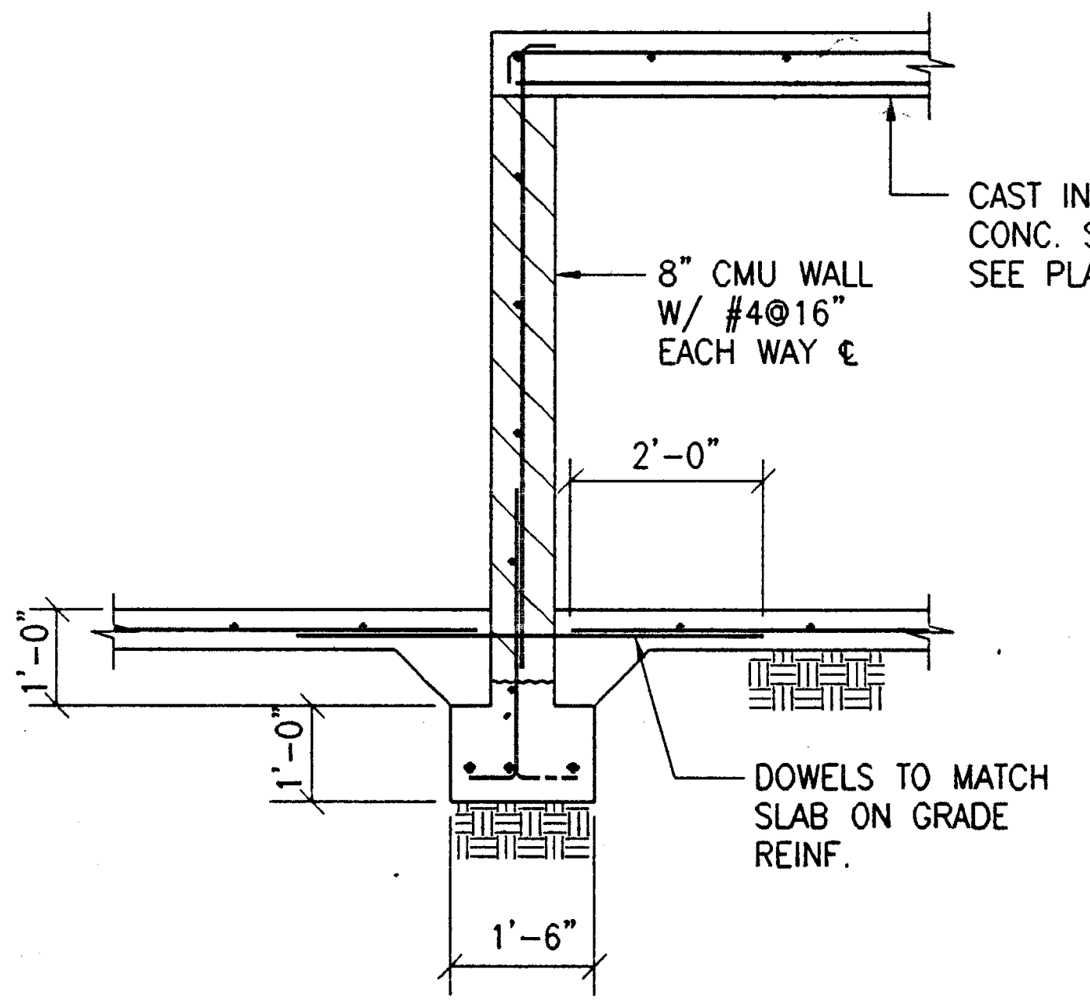
SEE SECTION 1/- AND 2/S4.3 FOR BAL. OF INFO.

WALL SECTION ②
1/2" = 1'-0"



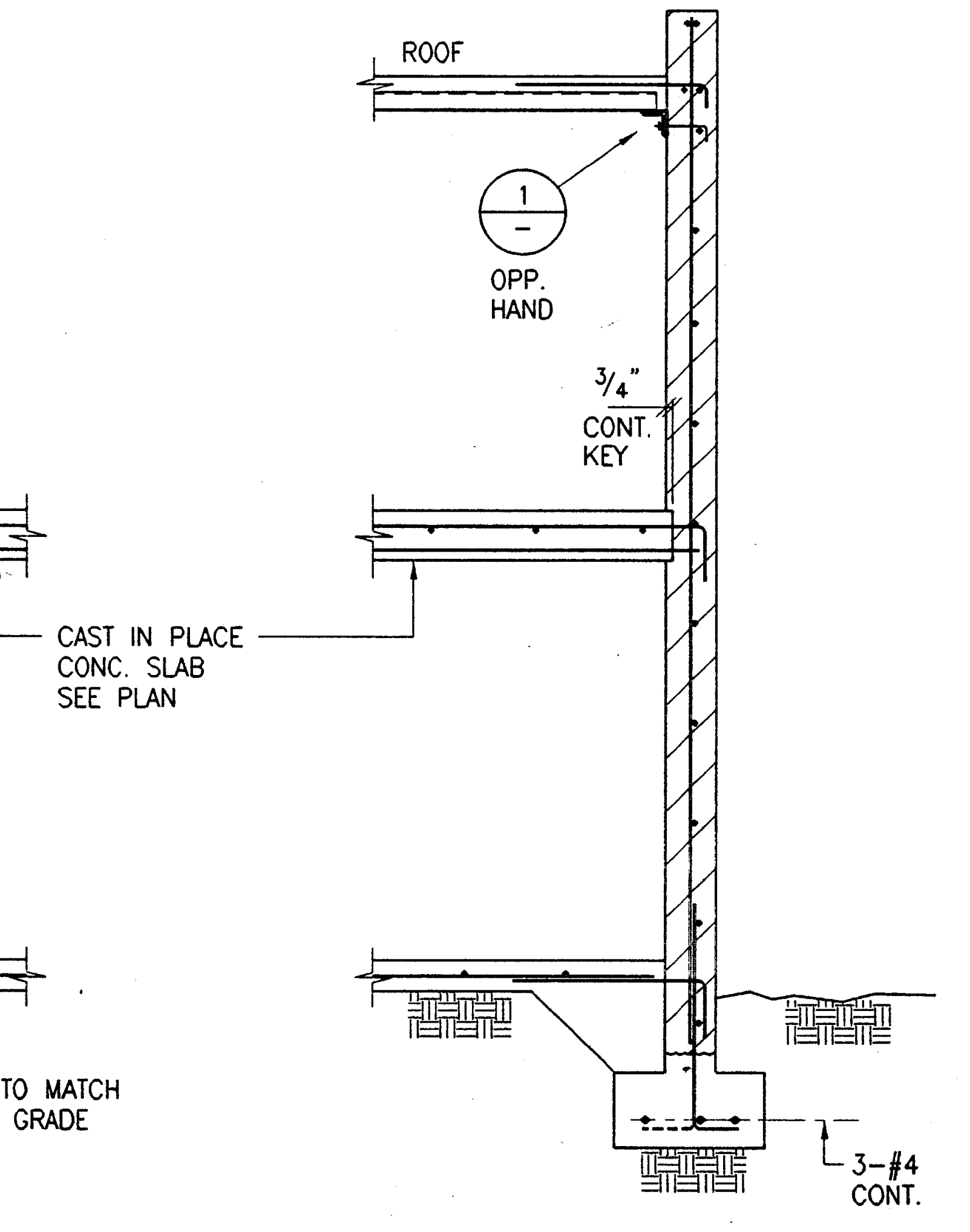
SEE SECTION 1/- FOR BAL. OF INFO.

WALL SECTION ③
1/2" = 1'-0"



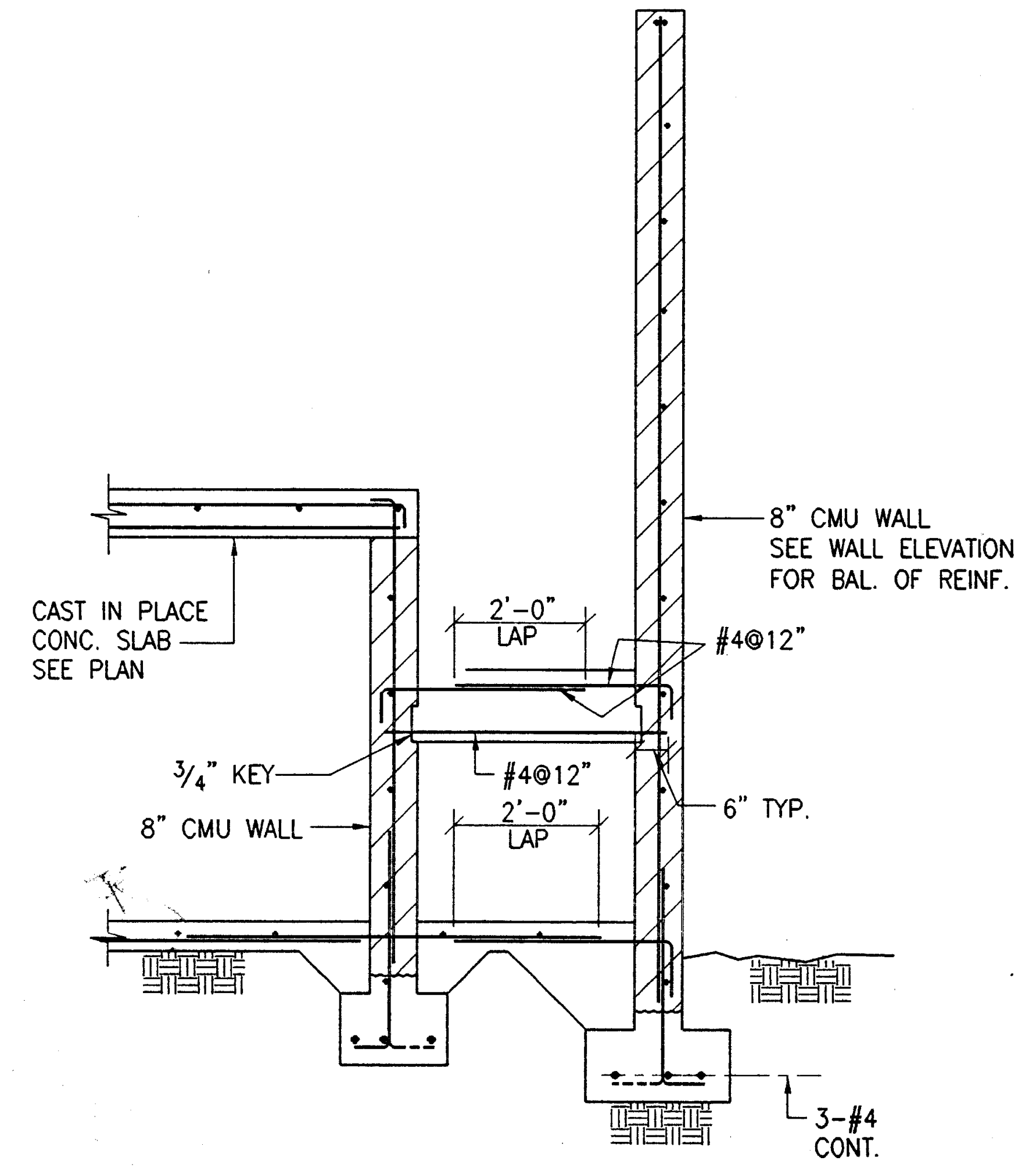
SEE SECTION 1/- FOR BAL. OF INFO.

WALL SECTION ④
1/2" = 1'-0"



SEE SECTION 1/- FOR BAL. OF INFO.

WALL SECTION ⑤
1/2" = 1'-0"



SEE SECT. 4 & 5/- FOR BAL. OF INFO.

WALL SECTION ⑥
1/2" = 1'-0"

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
APPL · 69120
AC____ FLS____ SS Mc110
DATE 3-20-98

07/28/97 S405-552 S4.5 1/2"=1'-0" JB552
PLOT DATE: 07.11.97

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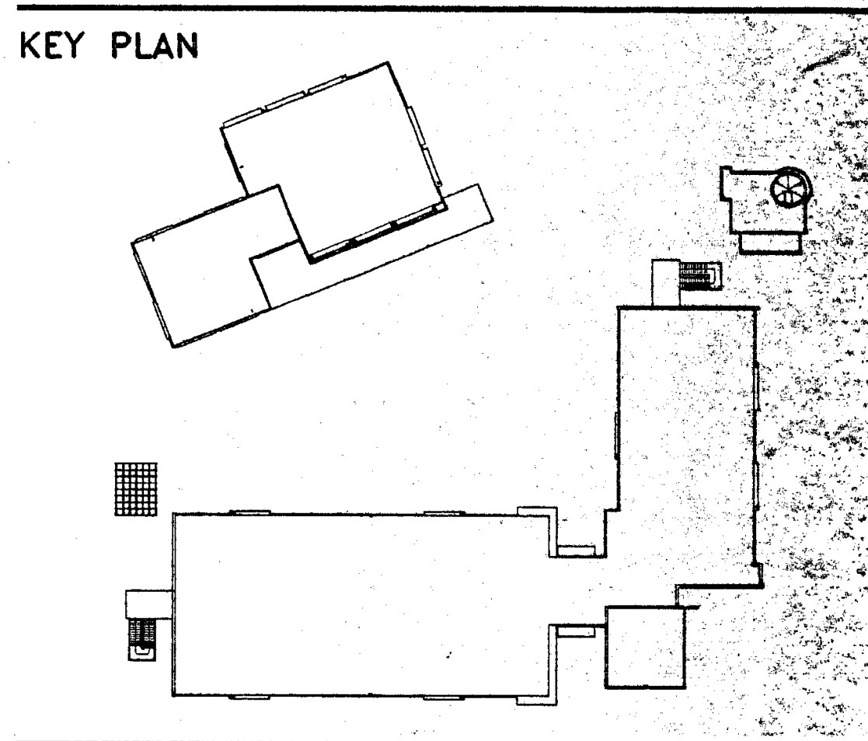
MECHANICAL & PLUMBING:
MAROKO & ASSOCIATES
12517 CHANDLER BLVD.
VALLEY VILLAGE, CA 71607
818-760-7300
818-760-4645 FAX

ELECTRICAL:
SILVER, ROTH & ASSOCIATES, INC.
8780 NATIONAL BLVD., STE. 206
CULVER CITY, CA. 90232
310-202-0246
310-202-0678 FAX

SEAL
JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01
MORRIS R. POINDEXTER
C-13900
3-31-99

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



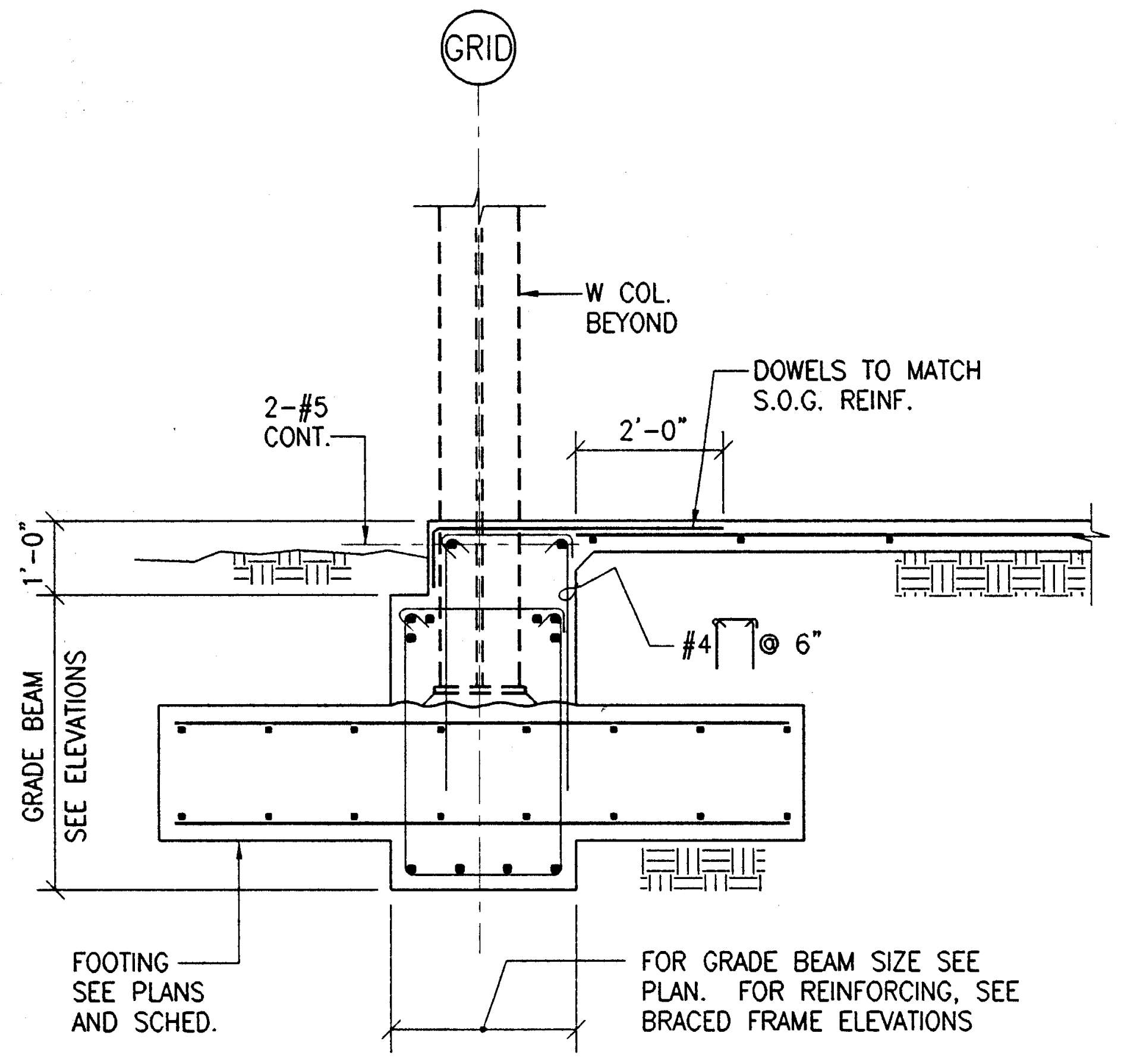
NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

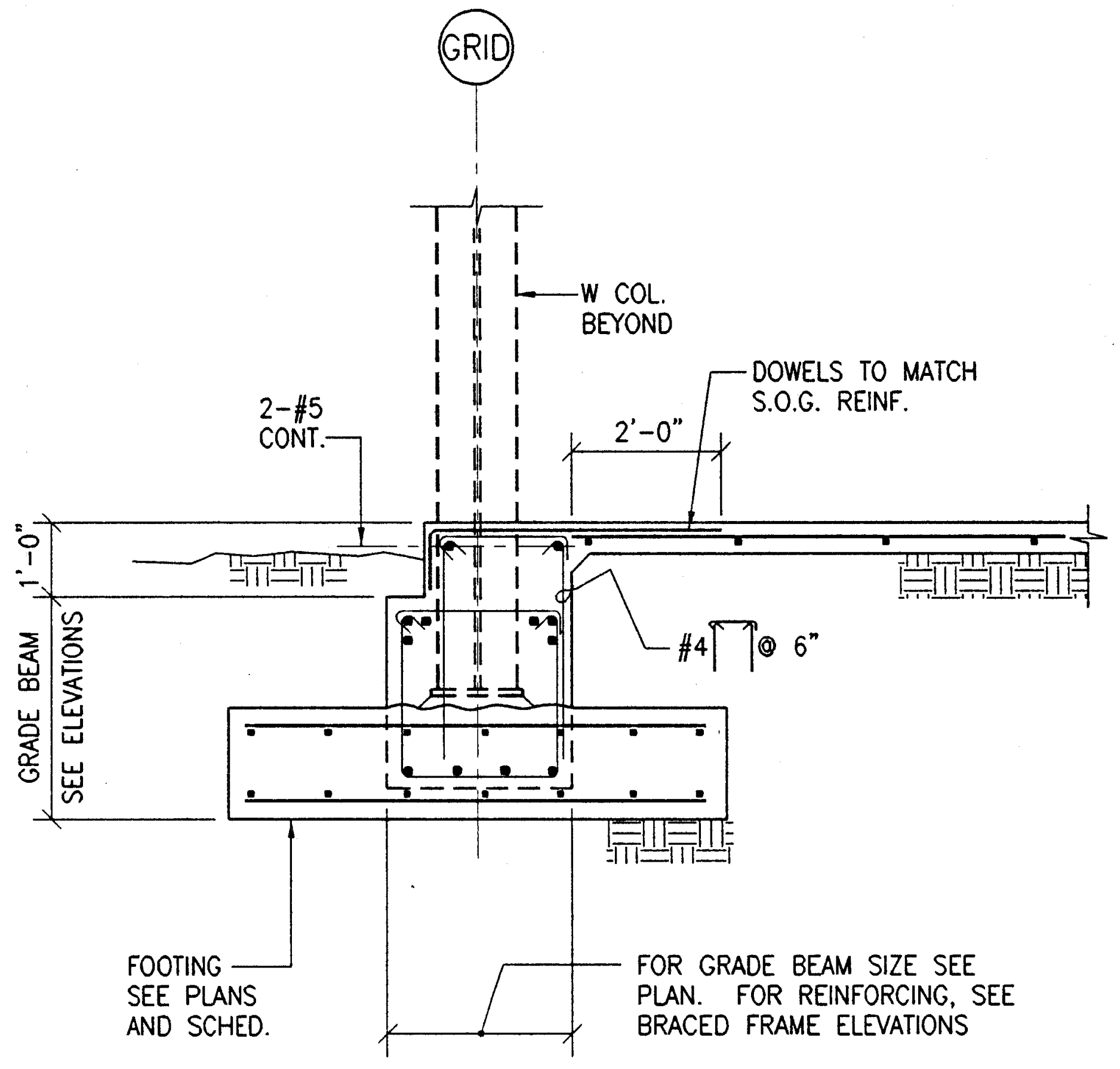
PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
SECTIONS

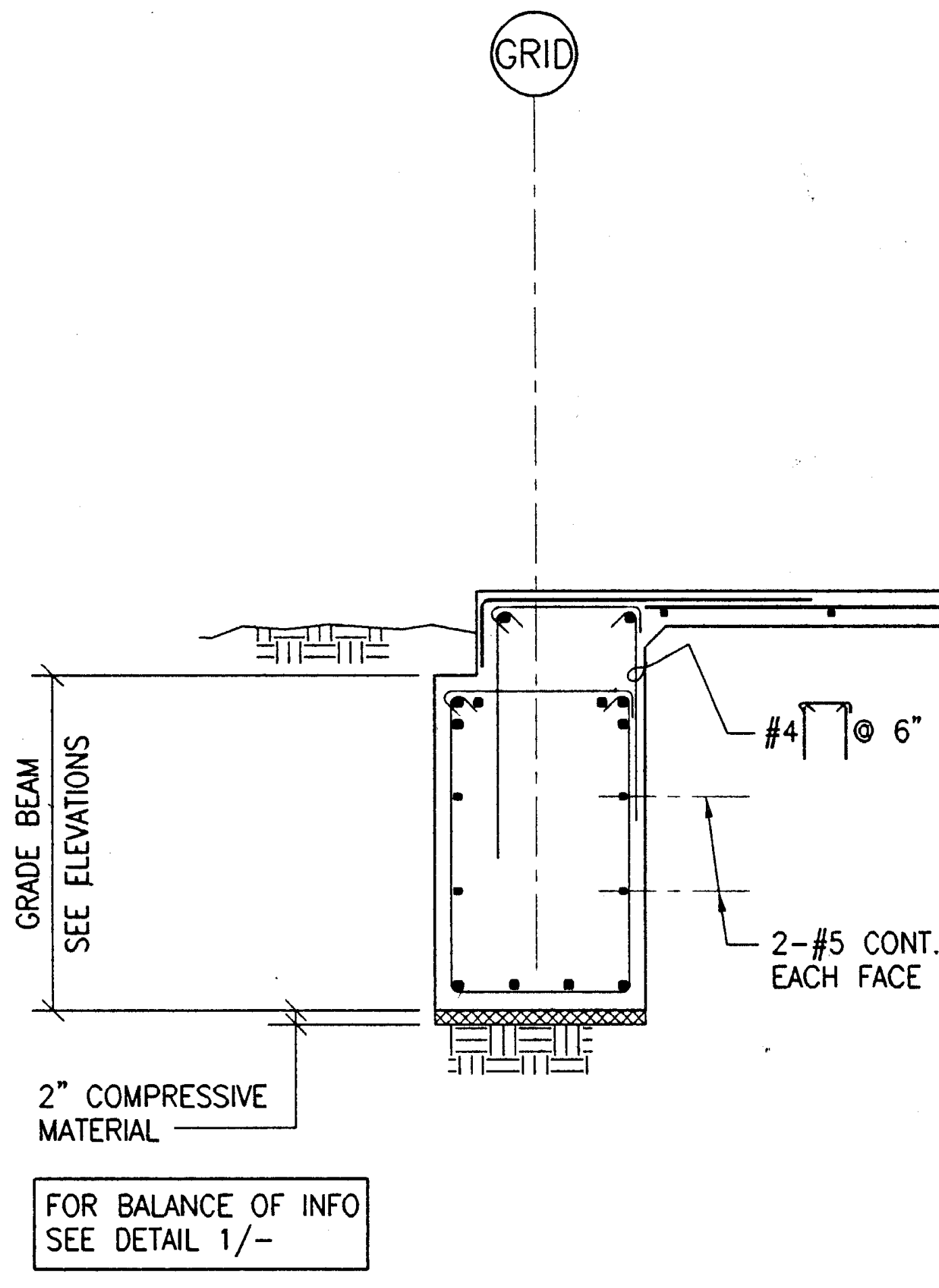
FILE: S405-552
SCALE 1/2" = 1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S4.5
OF ____ SHEETS



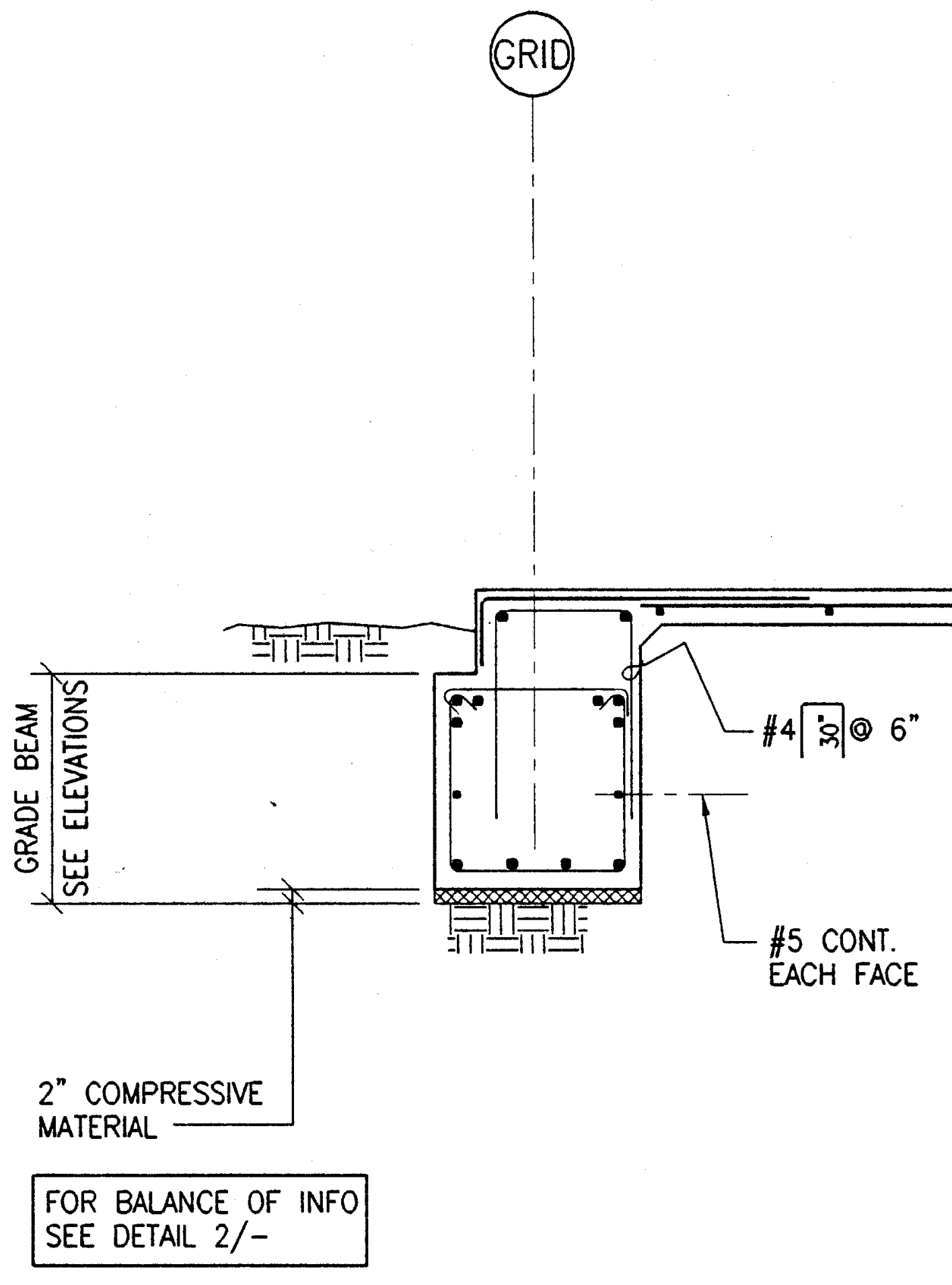
DETAIL ①
1/2" = 1'-0"



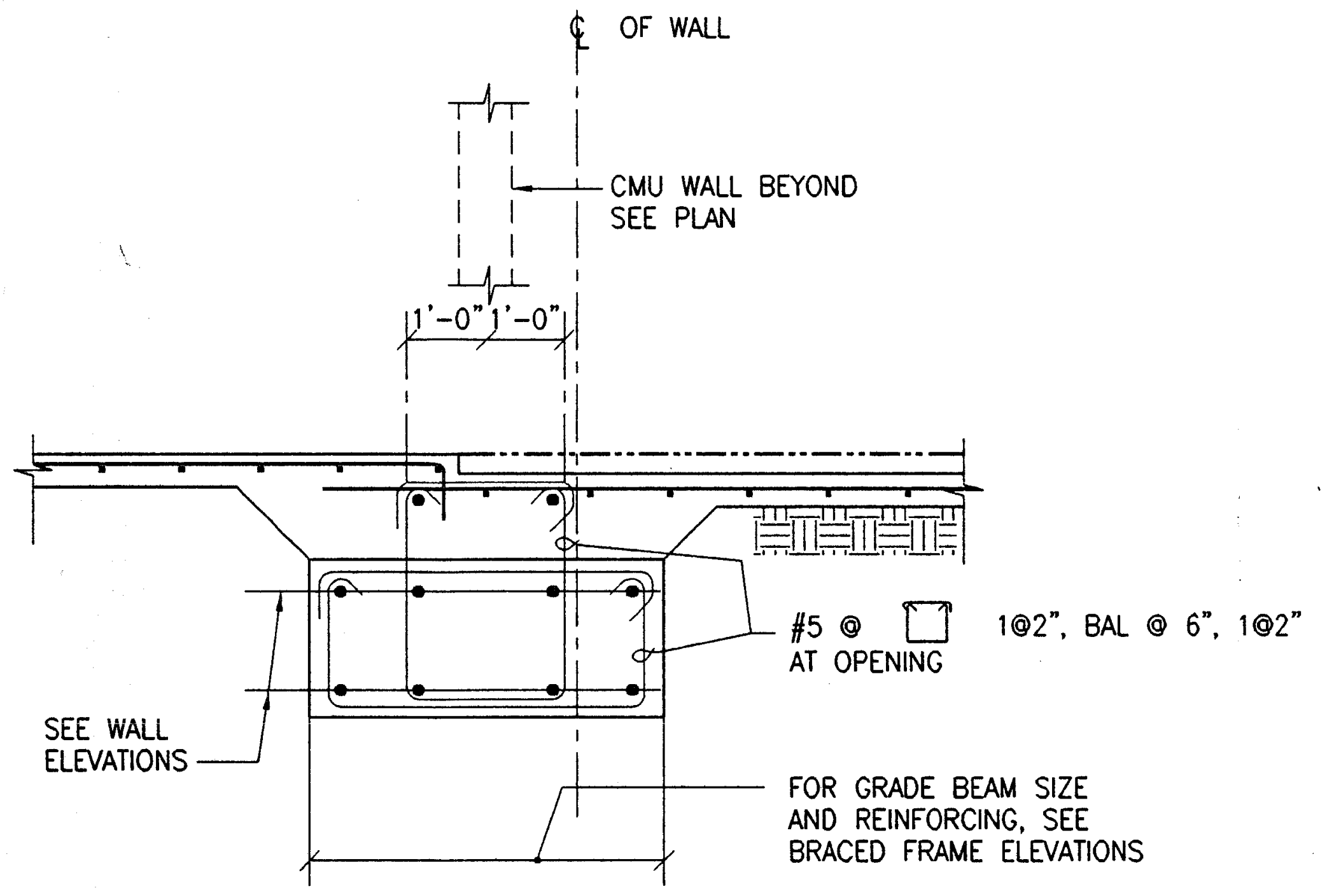
DETAIL ②
1/2" = 1'-0"



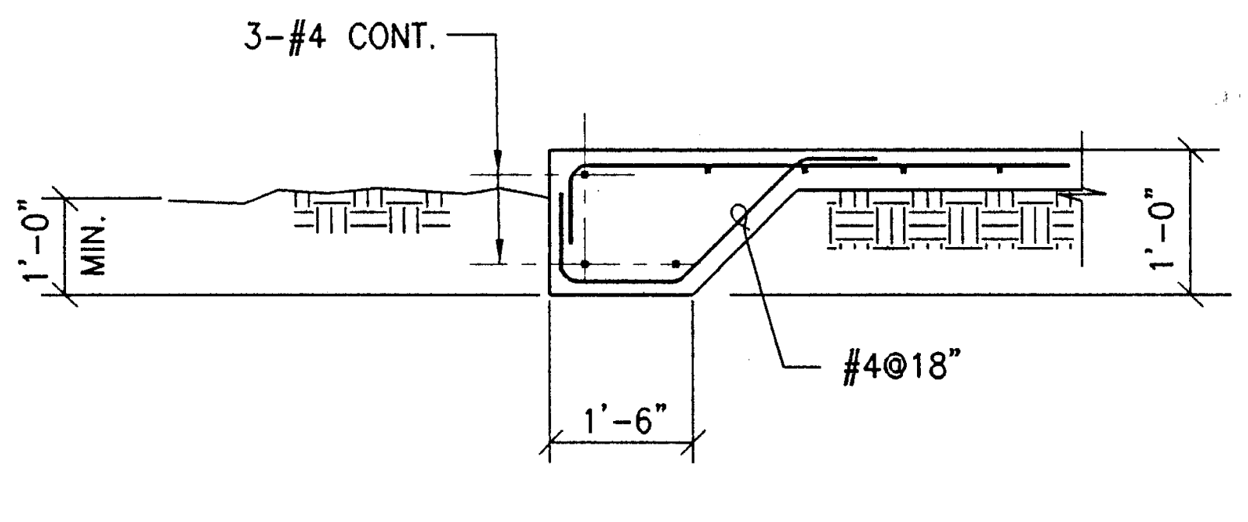
DETAIL ③
1/2" = 1'-0"



DETAIL ④
1/2" = 1'-0"

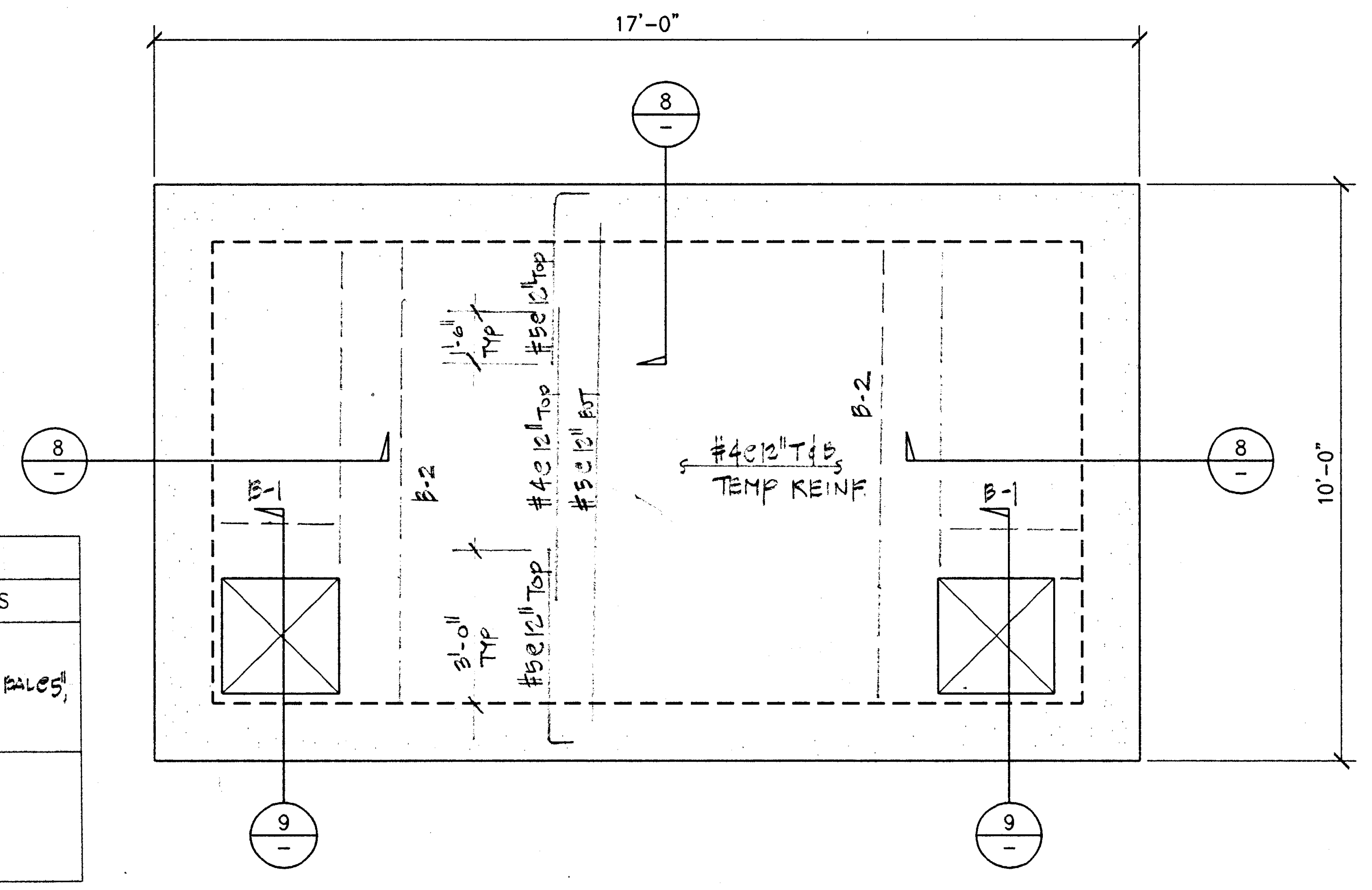


DETAIL ⑥
1/2" = 1'-0"

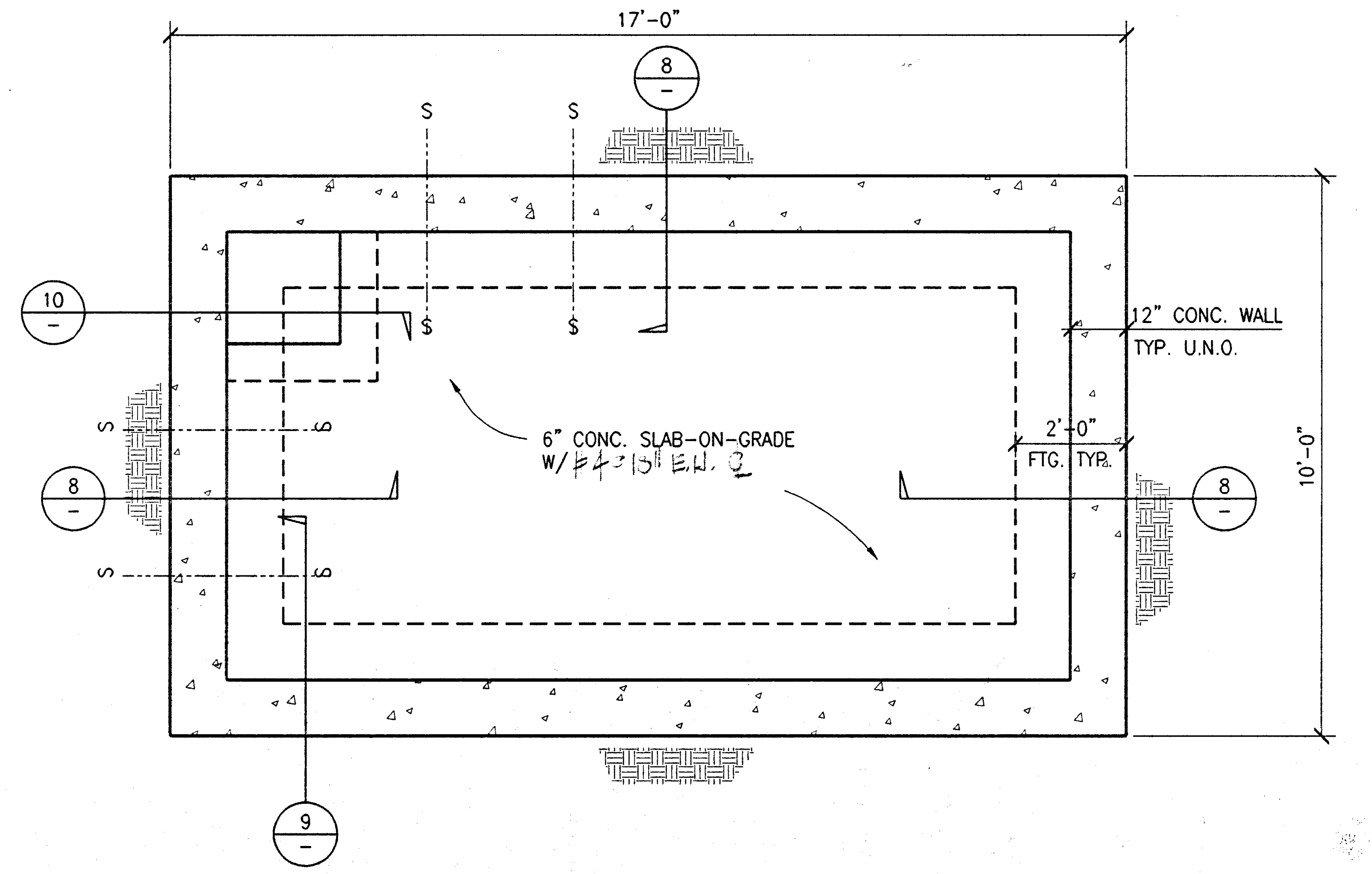


DETAIL ⑦
1/2" = 1'-0"

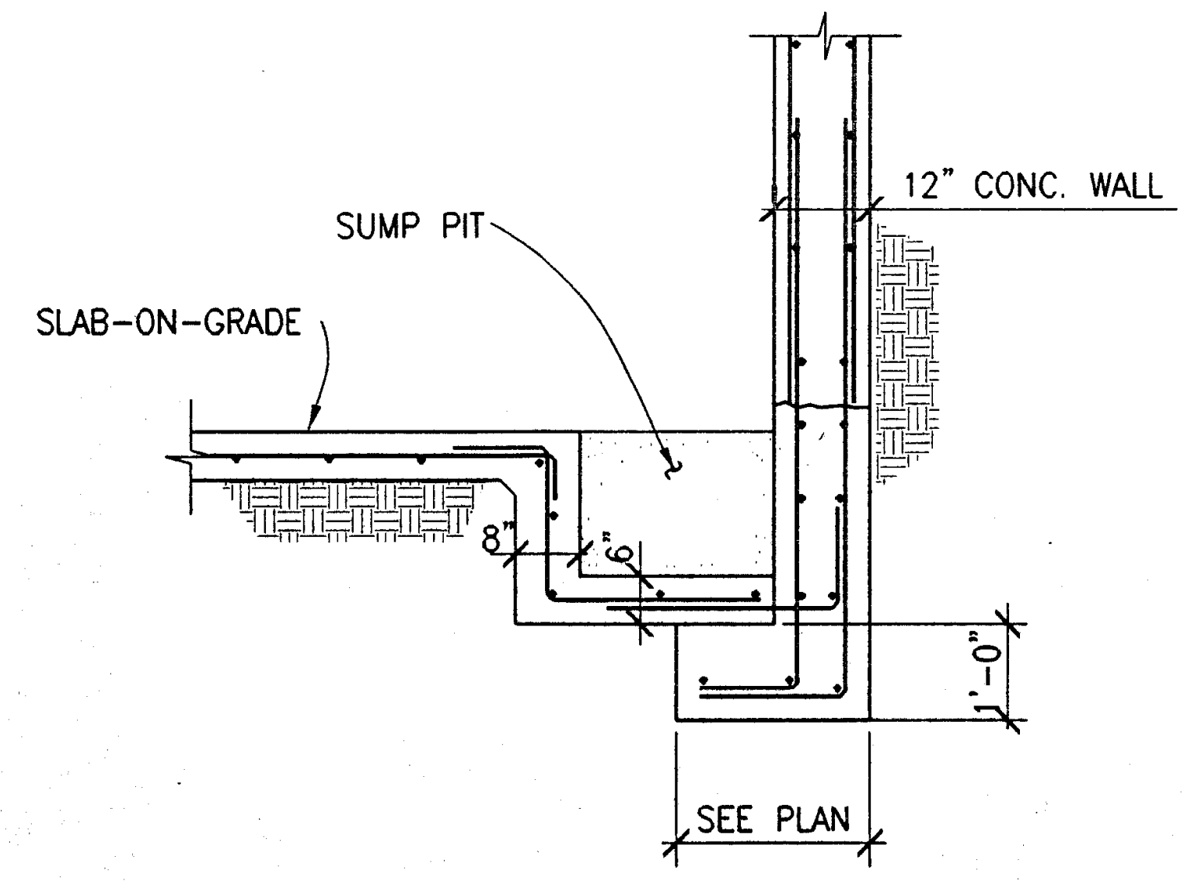
BEAM SCHEDULE			
MARK	SIZE	ELEVATION	REMARKS
B-1	12"X12"	2-#5 2-#5	#4 ⊓, 1@3", BAL@5", 1@3"
B-2	12"X12"	2-#6 24" 2-#6 2-#5 2-#6	〃



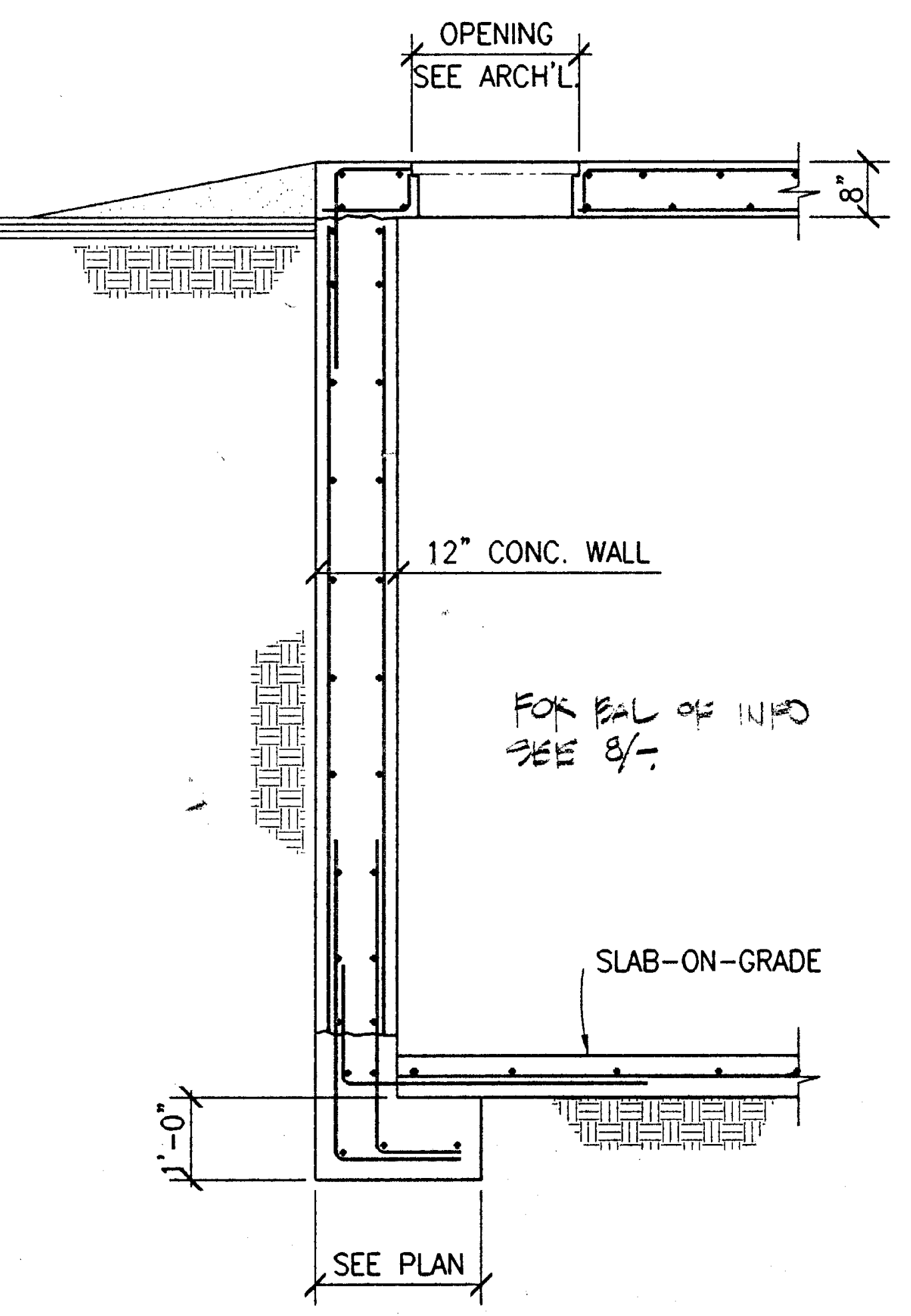
ROOF FRAMING PLAN OF ACID NEUTRALIZATION SUMP Ⓑ
SCALE: 1/2"=1'-0"



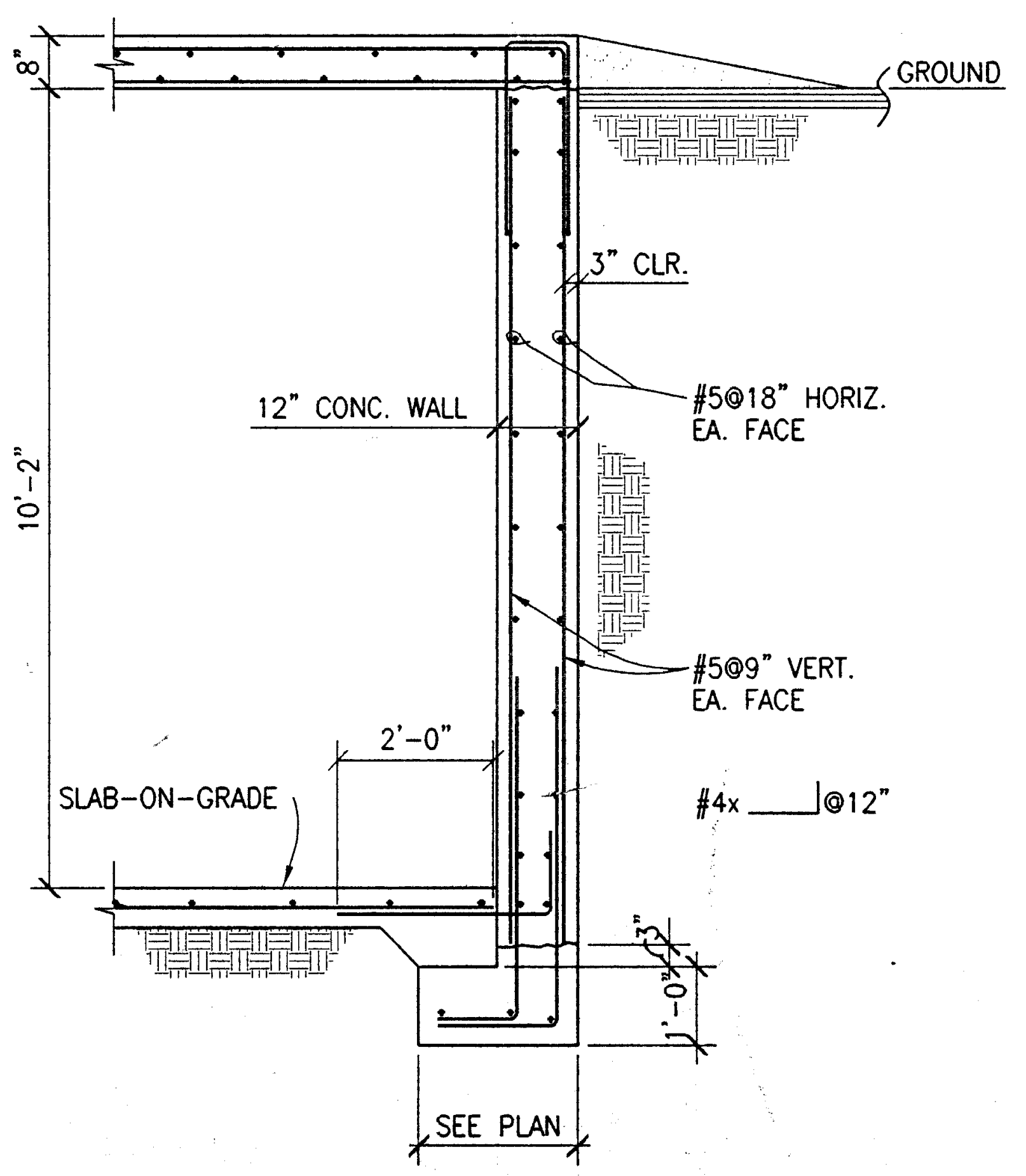
FOUNDATION PLAN OF ACID NEUTRALIZATION SUMP Ⓐ
SCALE: 1/2"=1'-0"



SECTION ⑩
1/2" = 1'-0"



SECTION ⑨
1/2" = 1'-0"



SECTION ⑧
1/2" = 1'-0"

03/19/98 S501-552 S5.1 1/2"=1'-0" #552
PLOT DATE: 07.11.97

JGM
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Project & Construction Management
5933 West Century Boulevard – Suite 1000
Los Angeles, California 90045
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Architects • Engineers • Planners

PROGRAMMING
PLANNING
ARCHITECTURE

DRAWN
CHECKED M.M.
APPROVED JGM

CONSULTANT
CIVIL:
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LANDSCAPE:
DSK LANDSCAPE ARCHITECTS
3333 WILSHIRE BLVD. SUITE 103
LOS ANGELES, CA. 90010
213-382-3113
213-382-2669 FAX

STRUCTURAL:
JOHN A. MARTIN & ASSOCIATES, INC.
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SEAL
JOHN A. MARTIN, JR. No. 1958 EXP. 12/31/01
MORRIS R. POINDEXTER C-13900 9-30-99

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN

NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
MATH SCIENCE BUILDING
SECTIONS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ___ FLS ___ SS
3-20-98

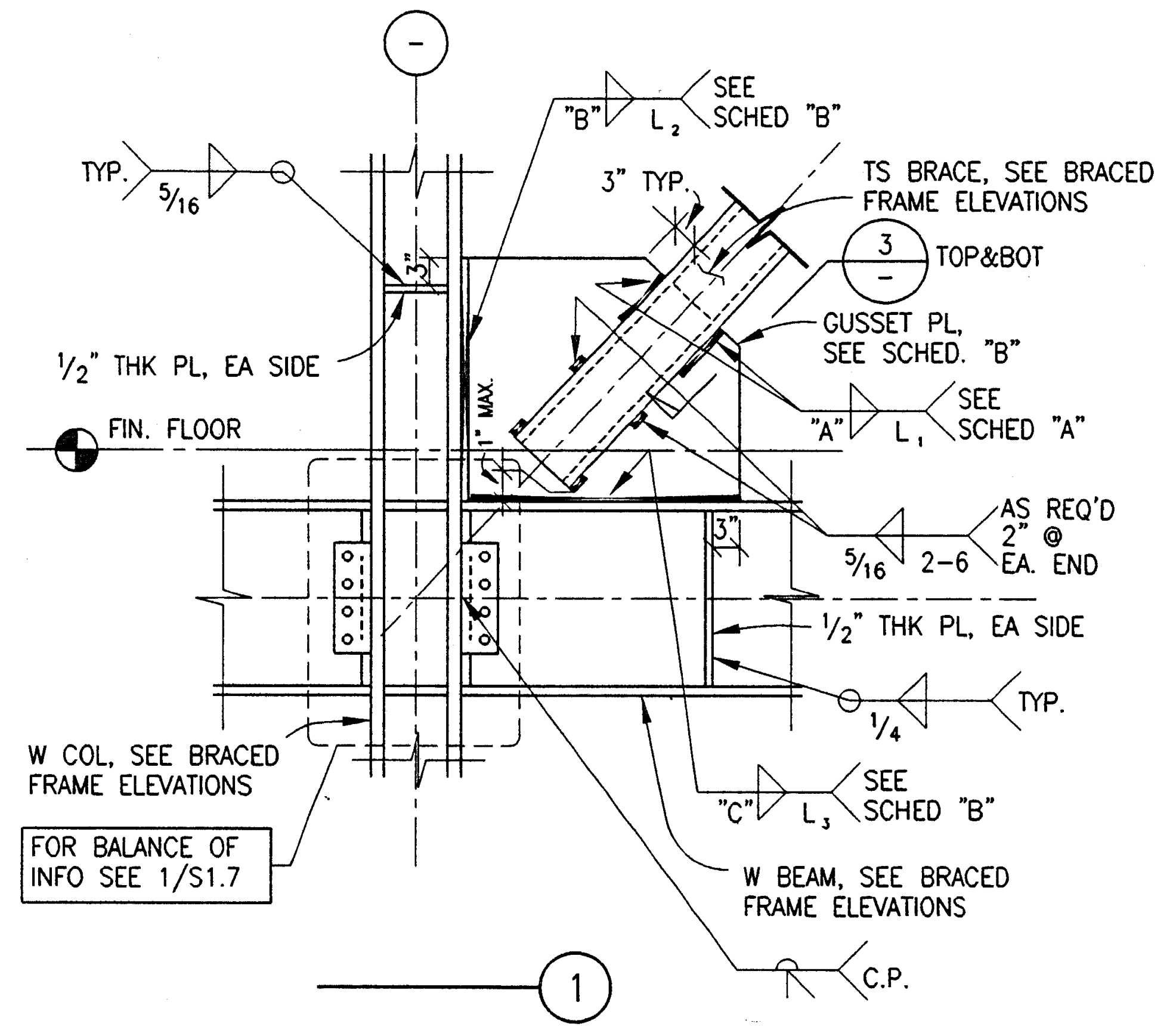
FILE: S501-552
SCALE 1/2" = 1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S5.1
OF ___ SHEETS

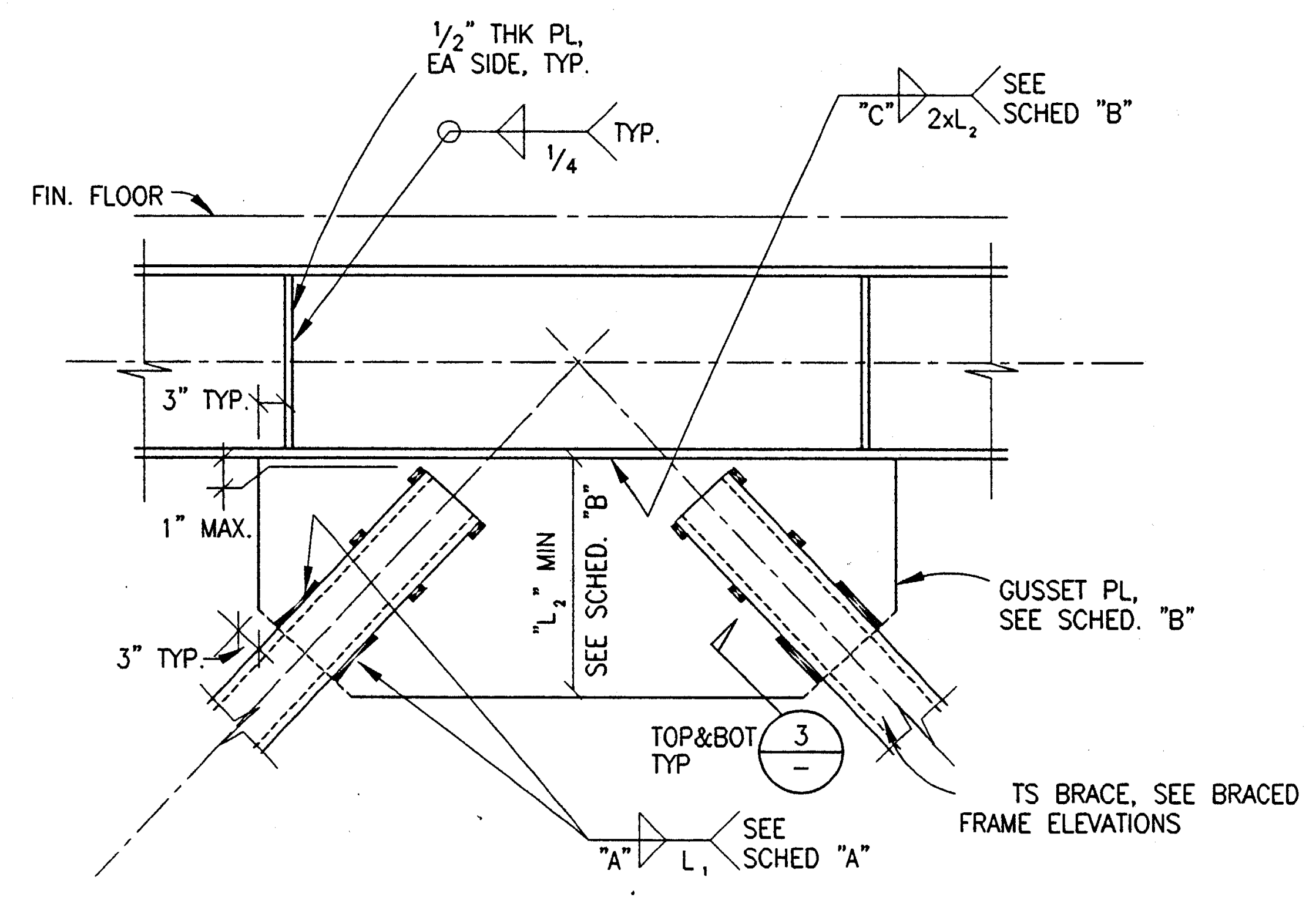
SCHEDULE "A"		
BRACE SIZE	"A"	"L₁"
TS8x8x1/2	5/16"	1'-10"
TS8x8x5/8	5/16"	2'-3"
TS10x8x5/8	5/16"	2'-6"

SCHEDULE "B"					
MARK	GUSSET PL THK	"B"	"L₂"	"C"	"L₃"
◇1	(3/4")	3/8"	2'-8"	3/8"	1'-8"
◇2	(3/4")	1/2"	2'-6"	3/8"	1'-8"
◇3	(7/8")	3/8"	2'-9"	3/8"	2'-3"

NOTES:
1. ( ) INDICATES A572 GRADE 50
2. THE WELD LENGTH ARE MINIMUMS AND SHALL BE INCREASED TO SATISFY GEOMETRIC REQUIREMENTS

SCHEDULE "C" BRACED FRAME ANCHOR BOLT SCHEDULE			
TYPE	NO. AND SIZE A572 GR50	PL'S (GR 36)	EMB.
1	4-1 1/8"Ø	3 1/2"SQx5/8" THK	12"
2	4-1 1/4"Ø	3"SQx3/4" THK	15"
3	4-1 3/4"Ø	4 1/2"SQx7/8" THK	18"

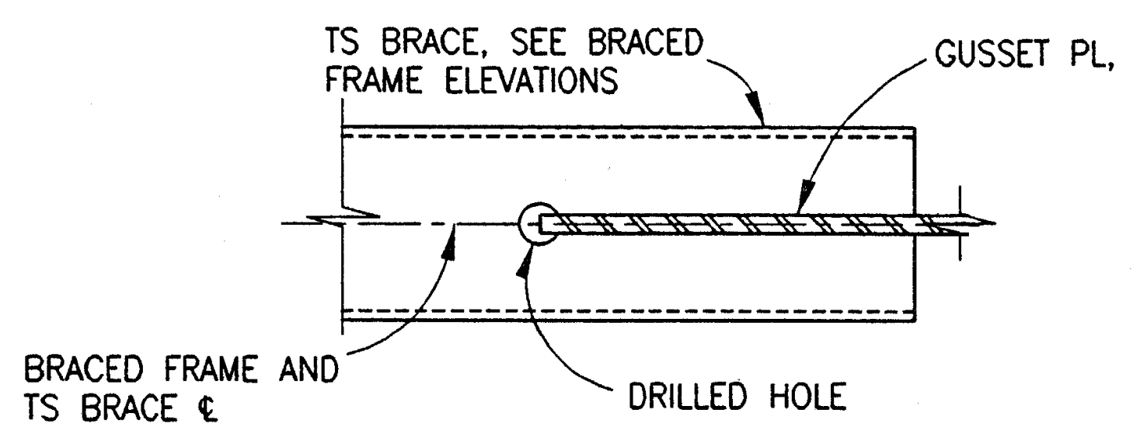




FOR BALANCE OF INFO SEE 1/–.

DETAIL ②

3/4" = 1'-0"

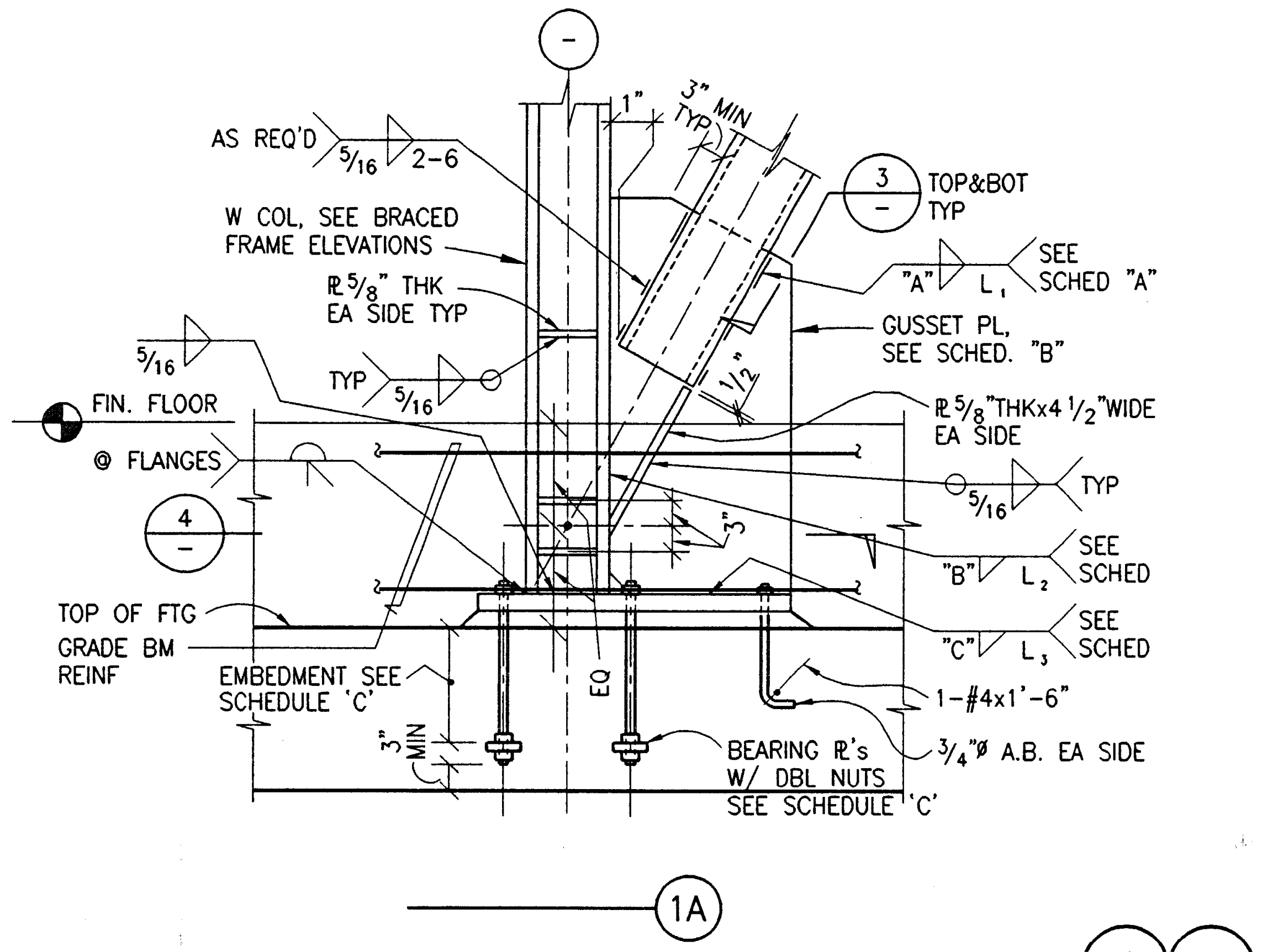


PROCEDURE FOR SLOTTING TS

1. DRILL HOLE AT LOCATION OF GUSSET PL END. DIAMETER=GUSSET PL THK+1/4"
2. SAW CUT FROM END OF TS TO PILOT HOLE.

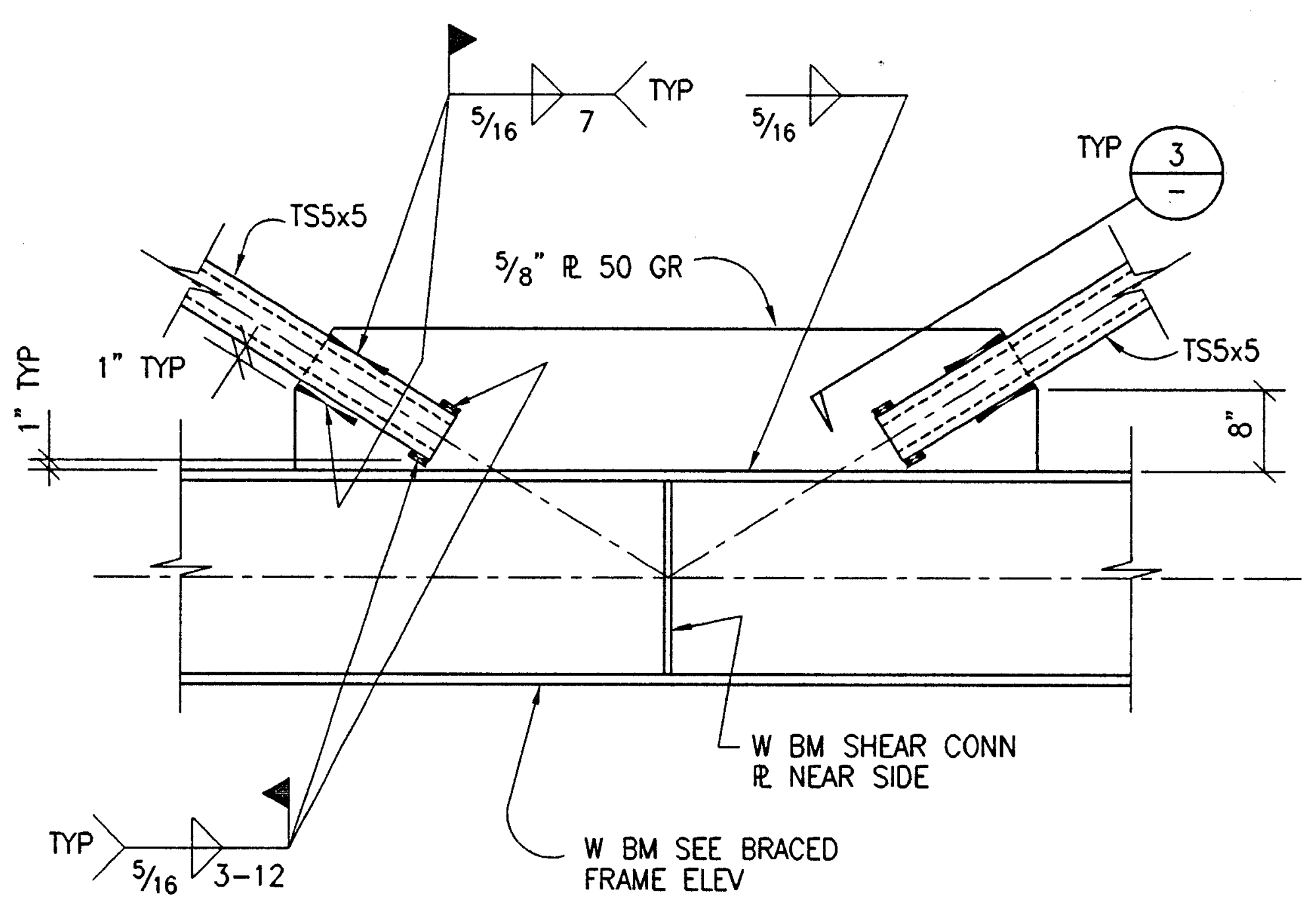
DETAIL ③

3/4" = 1'-0"



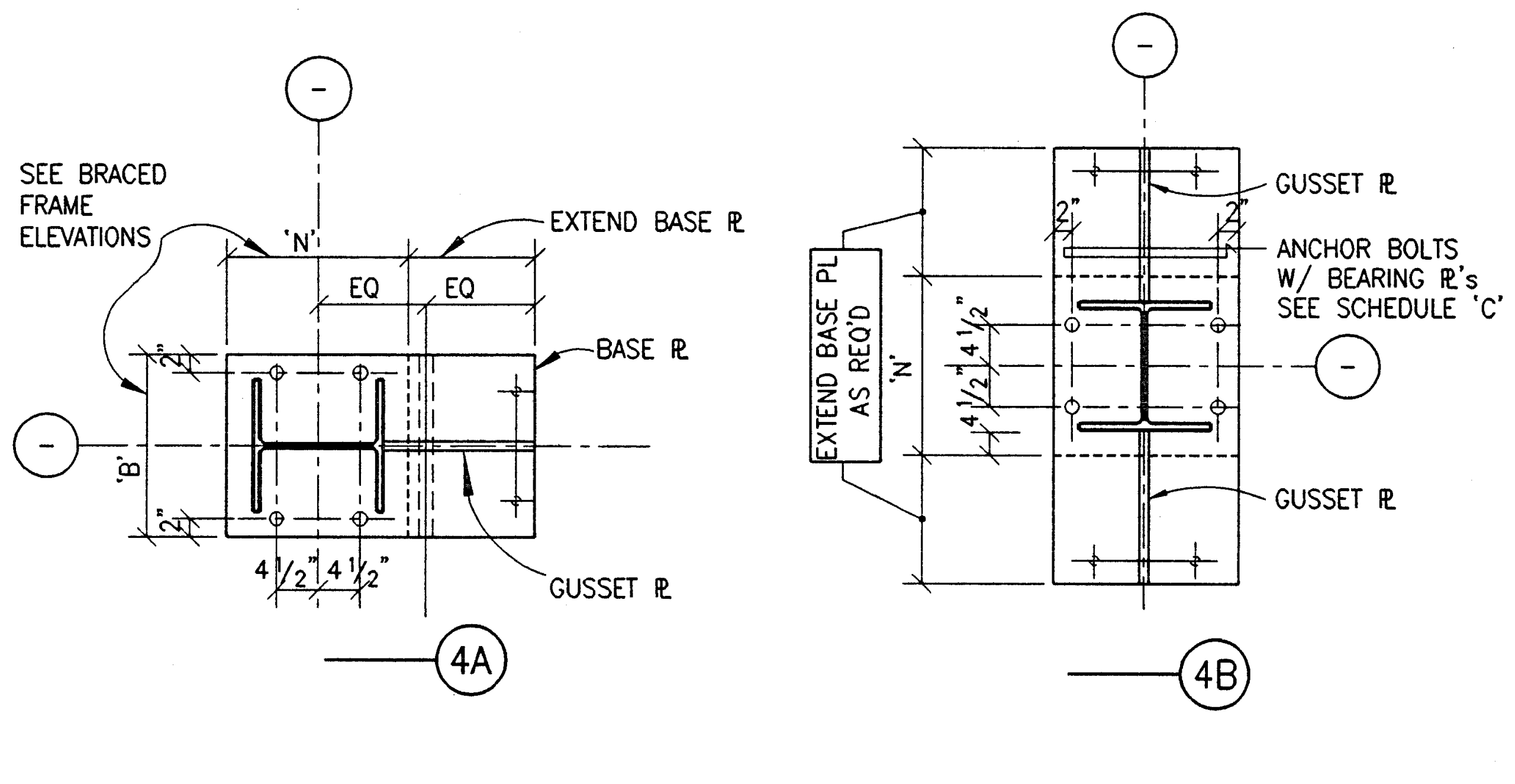
DETAIL (TWO-STORY BUILDING) ① (1A)

3/4" = 1'-0"



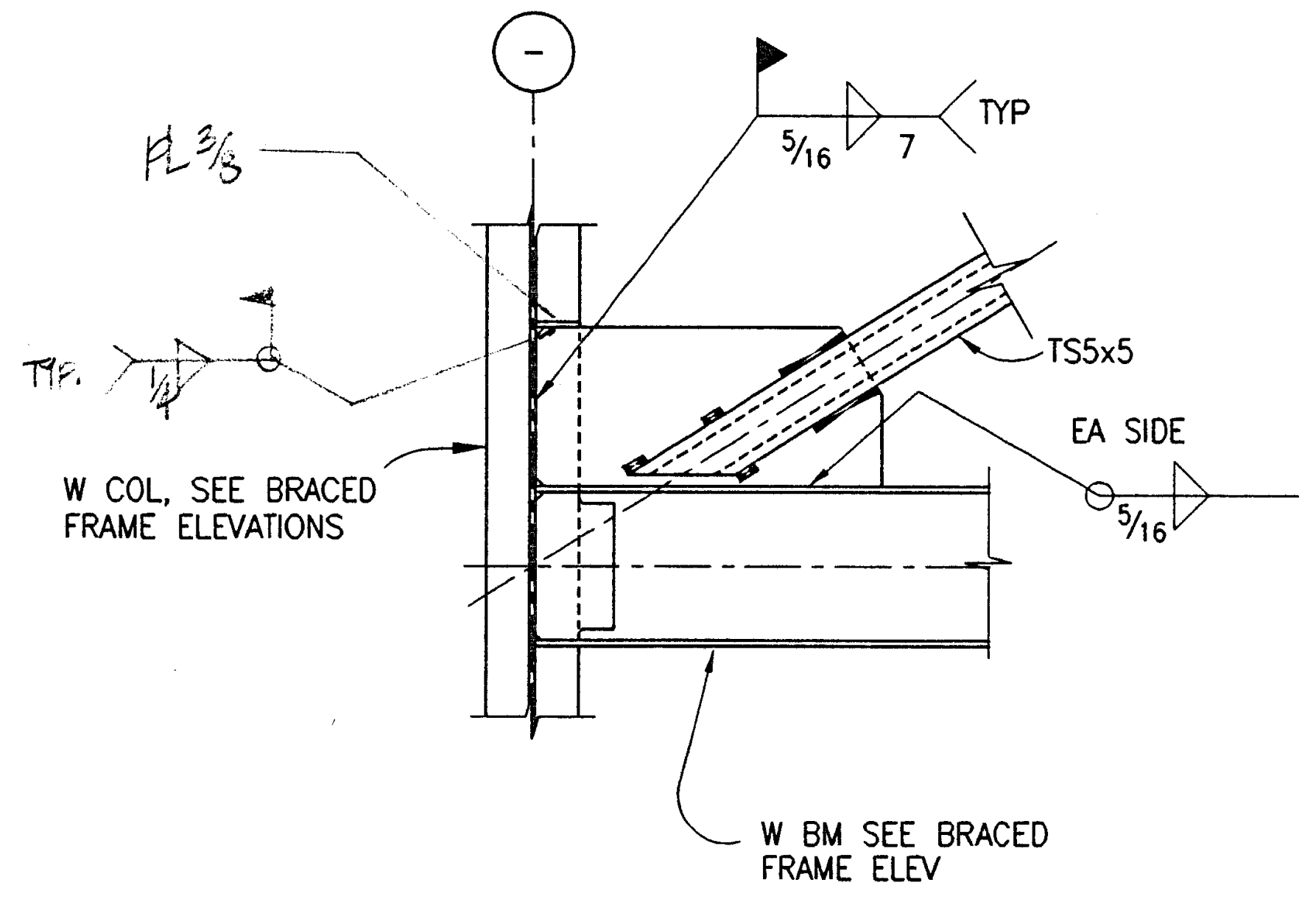
DETAIL ⑤

3/4" = 1'-0"



DETAIL ④

3/4" = 1'-0"



NOTE:
1. FOR REMAINDER OF INFORMATION SEE 1/–, 5/–

DETAIL ⑥

3/4" = 1'-0"

Jenkins/Gales & Martinez, Inc.
Project & Construction Management

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PROGRAMMING
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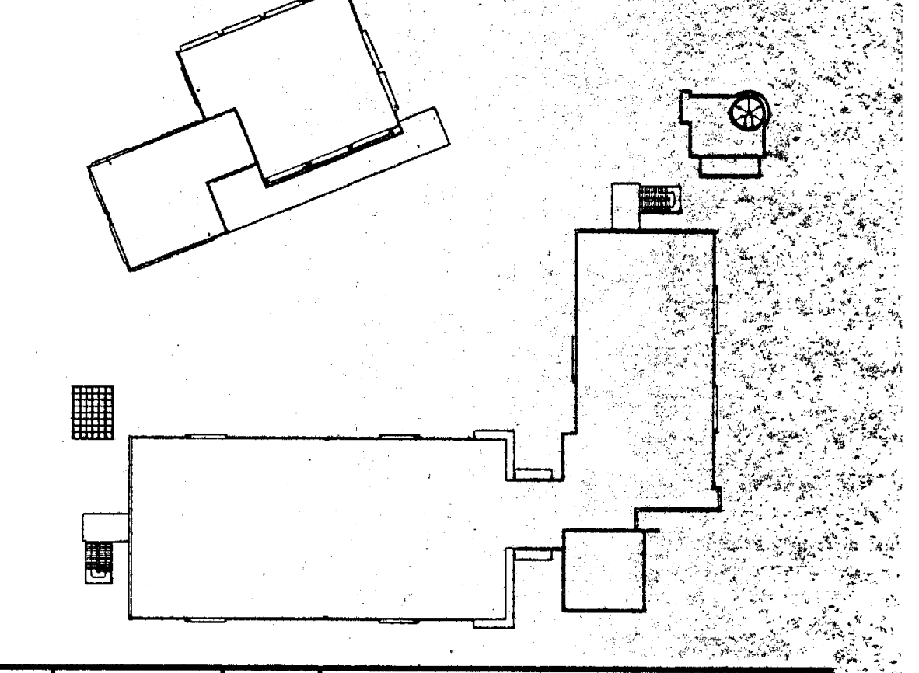
SEAL

JOHN A. MARTIN
No. 1968
EXP. 12/31/01

MORRIS R. POINDEXTER
C 13900

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

HEALTH + SAFETY MATH-SCIENCE BUILDING

PREPARED FOR

COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

BRACING DETAILS

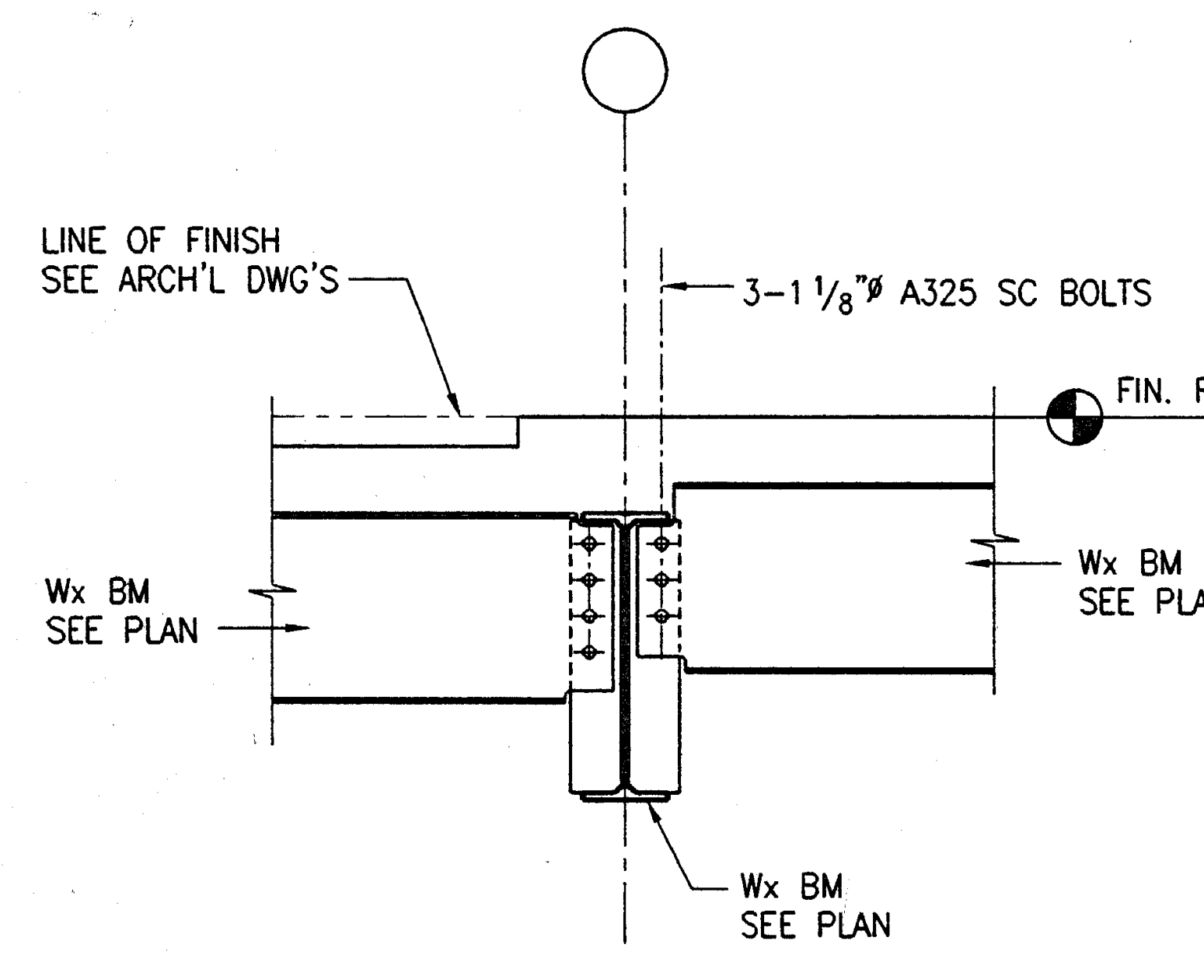
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL • 69120
AC ____ FLS ____ SS [illegible]
3-20-98

FILE: S601-552
SCALE 3/4"=1'-0"
JOB NO. JGM
DATE 07.14.97

SHEET NO.
S6.1
OF ____ SHEETS

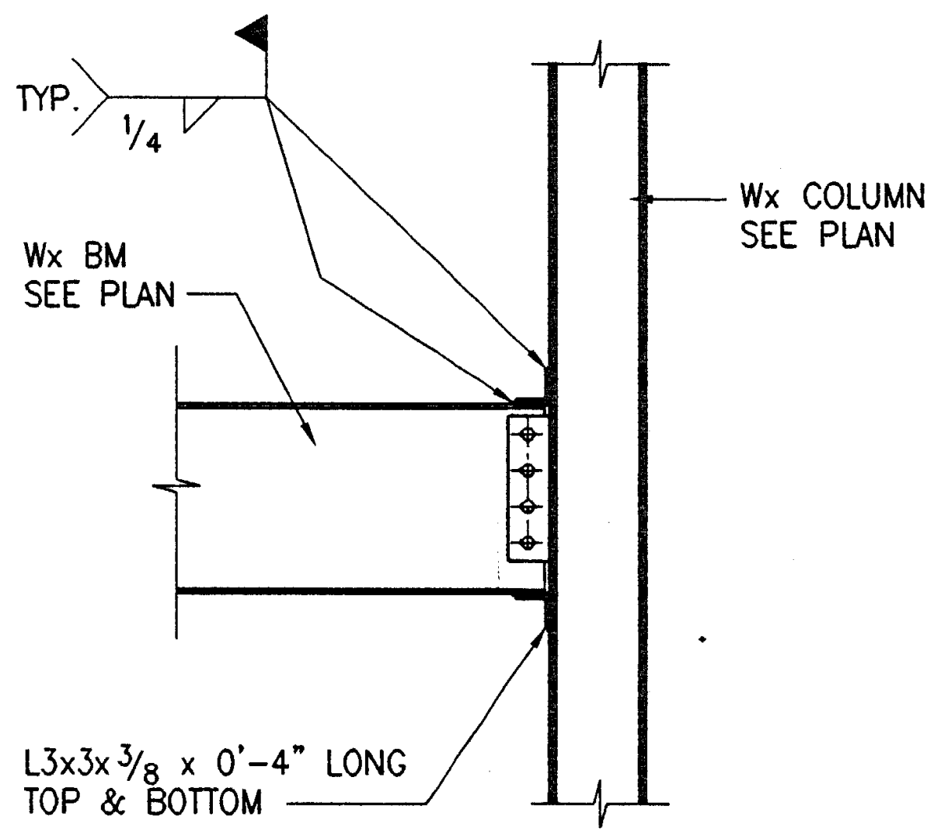
03/05/98 S601-552 S6.1 3/4"=1'-0" J8552

PLOT DATE: 07.11.97

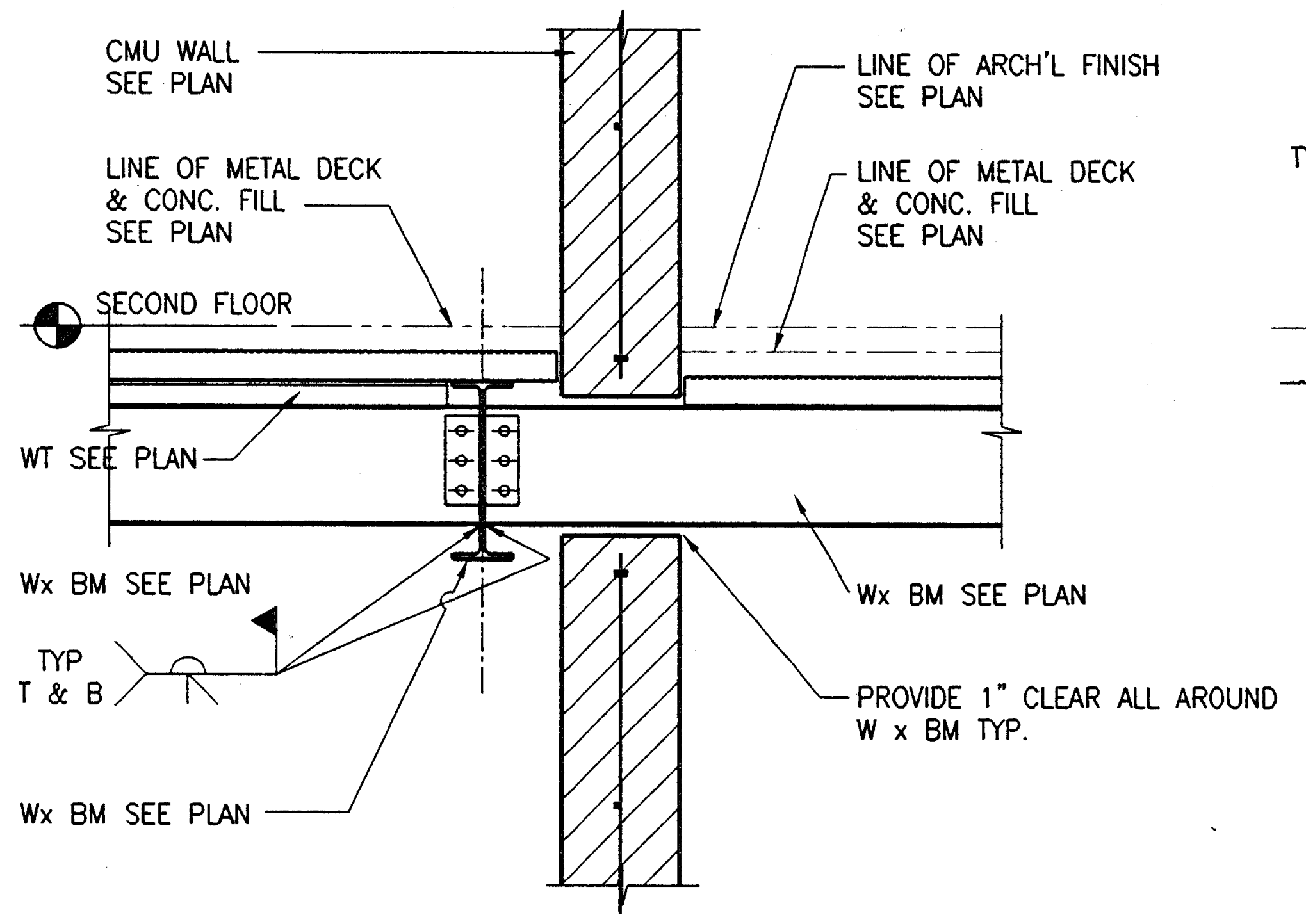


NOTE:
SEE DETAIL 9 / S1.5 FOR BALANCE
OF INFORMATION

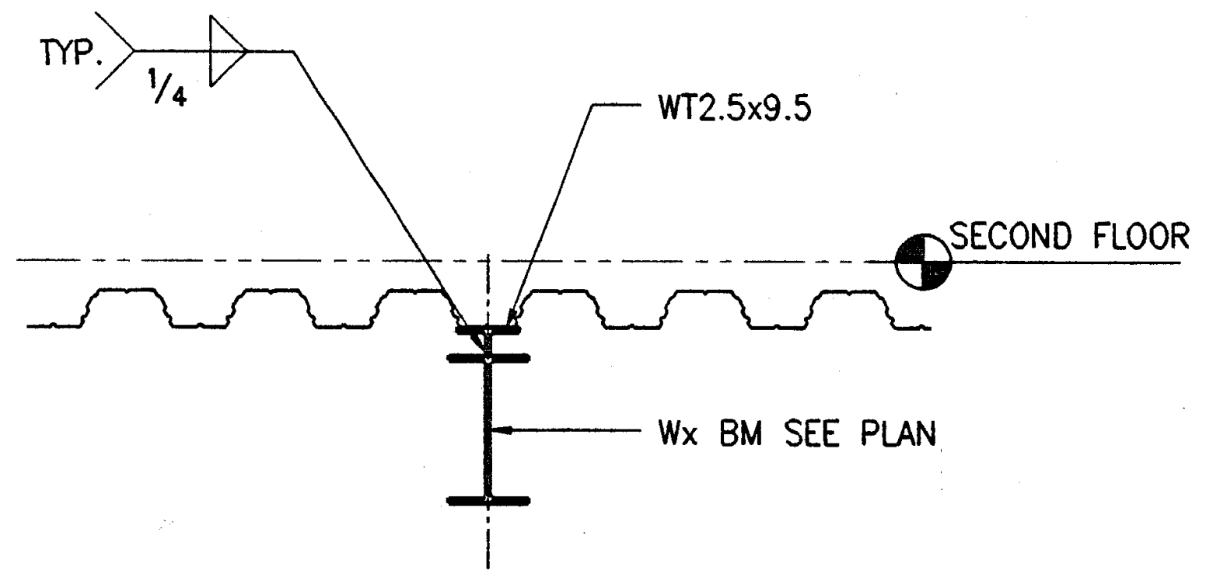
DETAIL ①
3/4" = 1'-0"



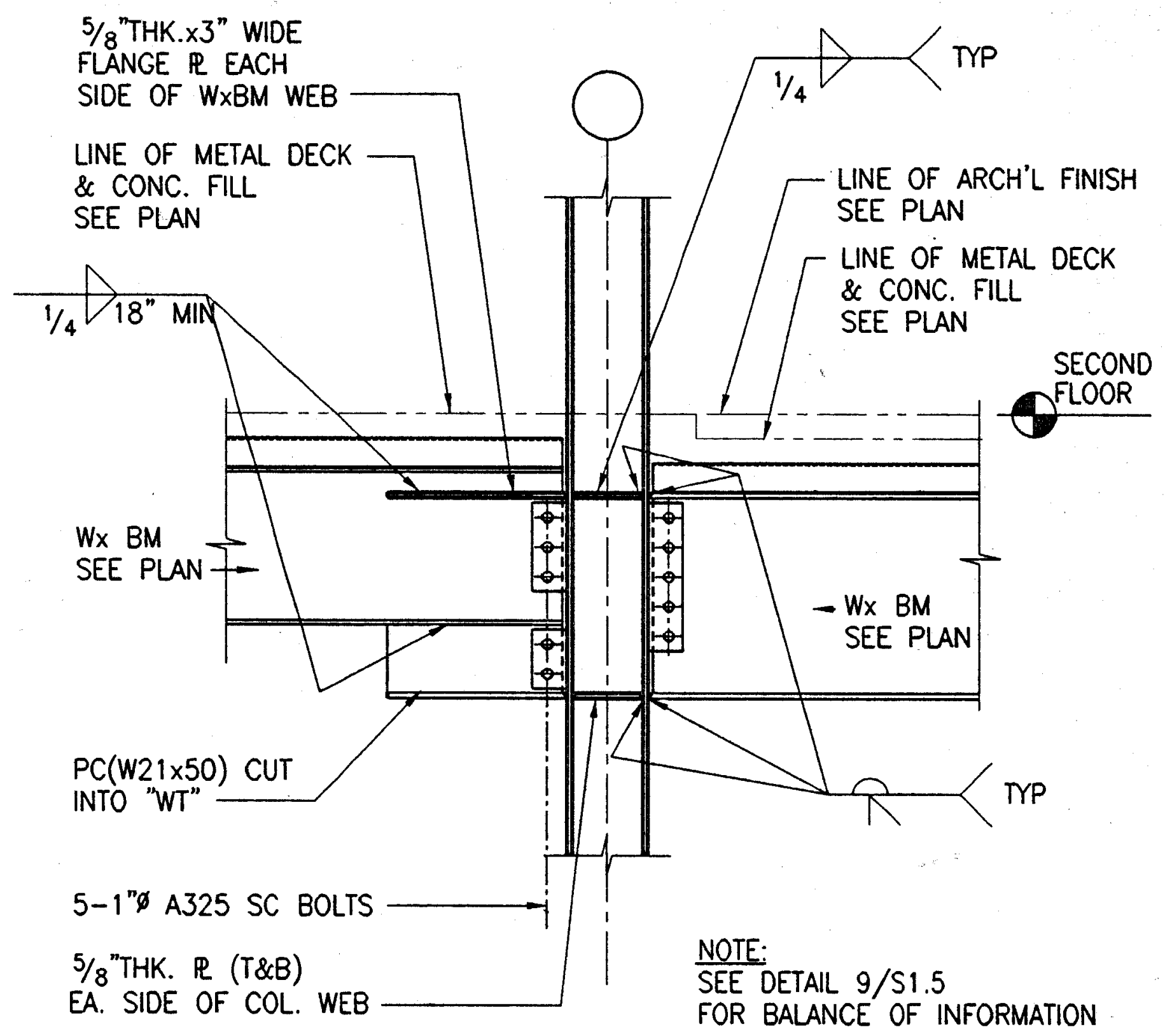
DETAIL ②
3/4" = 1'-0"



DETAIL ③
3/4" = 1'-0"

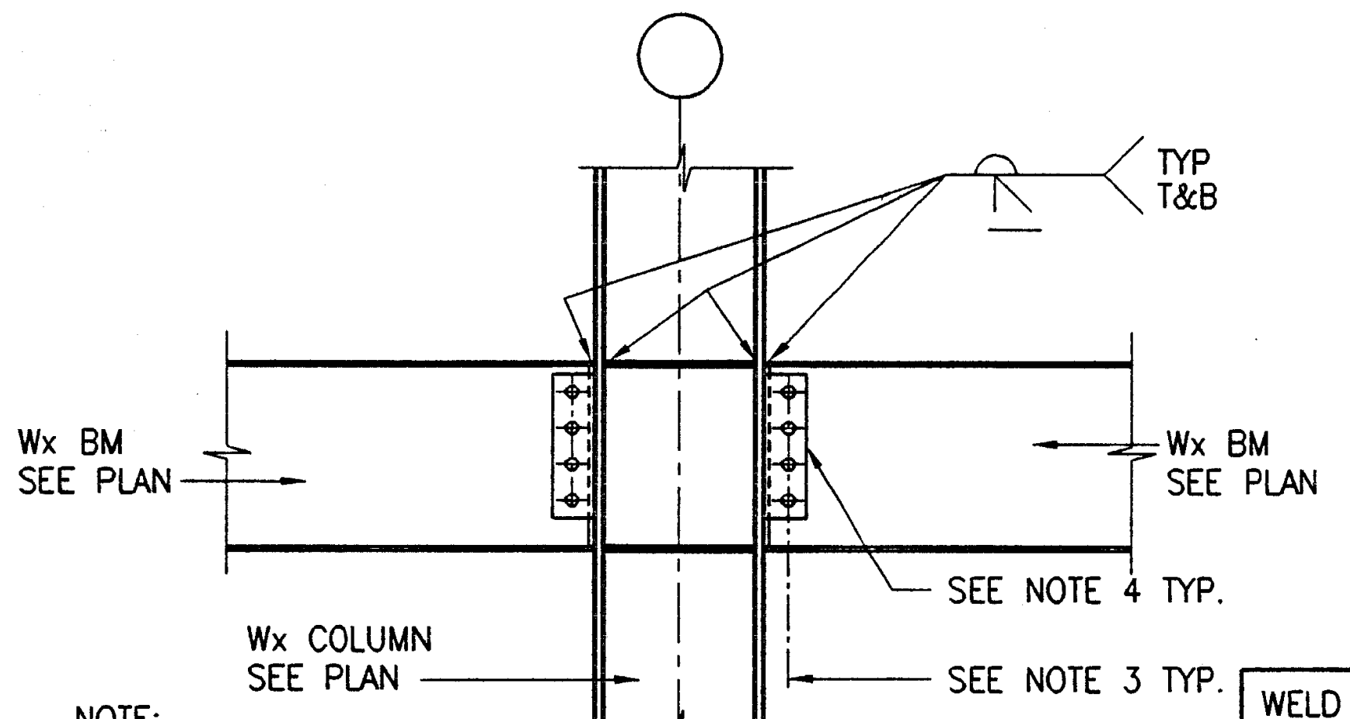


DETAIL ④
3/4" = 1'-0"



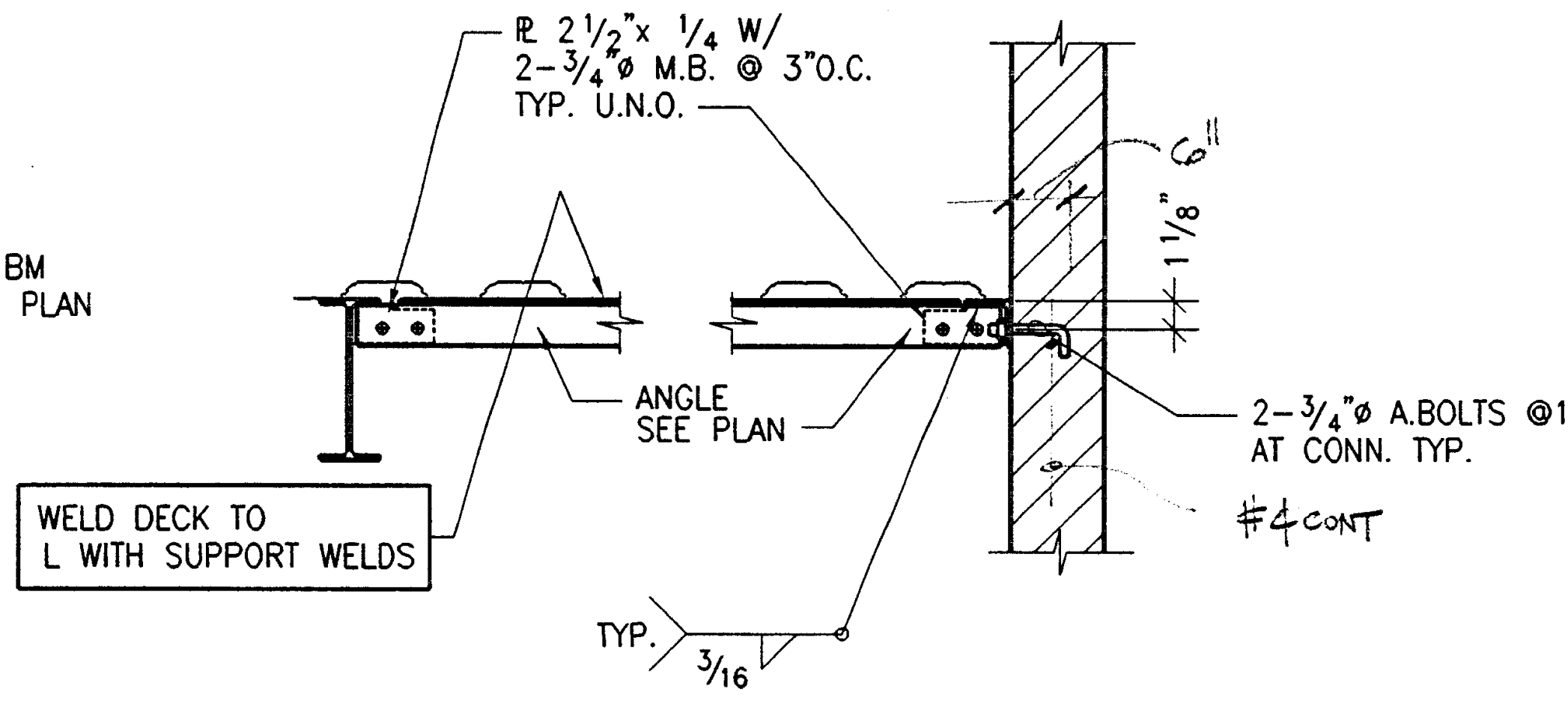
NOTE:
SEE DETAIL 9/S1.5
FOR BALANCE OF INFORMATION

DETAIL ⑤
3/4" = 1'-0"

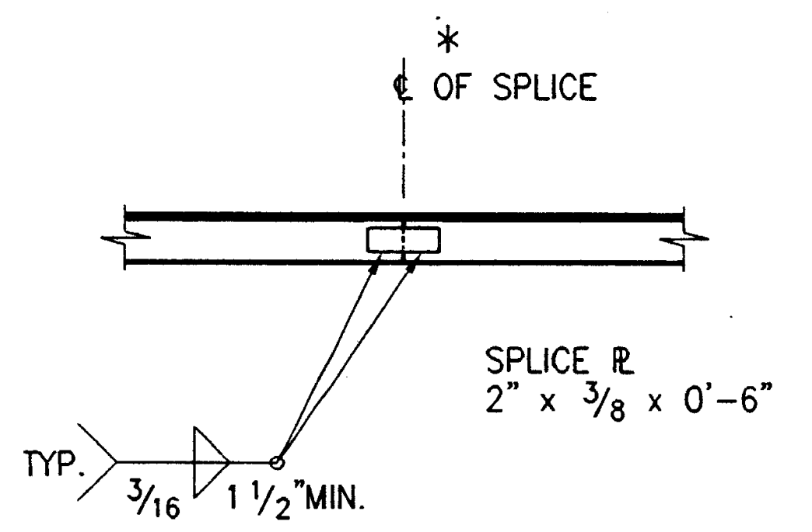


NOTE:
1. SEE 13/ S1.5 FOR BALANCE OF INFORMATION.
2. REMOVE BACK-UP BARS.
3. THE HEAD OF THE BOLTS SHALL BE LOCATED ON THE EXTERIOR SIDE OF THE Wx BEAM.
4. THE SHEAR PLATE SHALL BE LOCATED ON THE EXTERIOR SIDE OF THE Wx BEAM WEB.
5. THIS CONNECTION SHALL COMPLY WITH ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS), SEE STEEL CONSTRUCTION MANUAL 9th EDITION CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS & BRIDGES, SECTION 10. & ASTM A6.

DETAIL ⑥
3/4" = 1'-0"

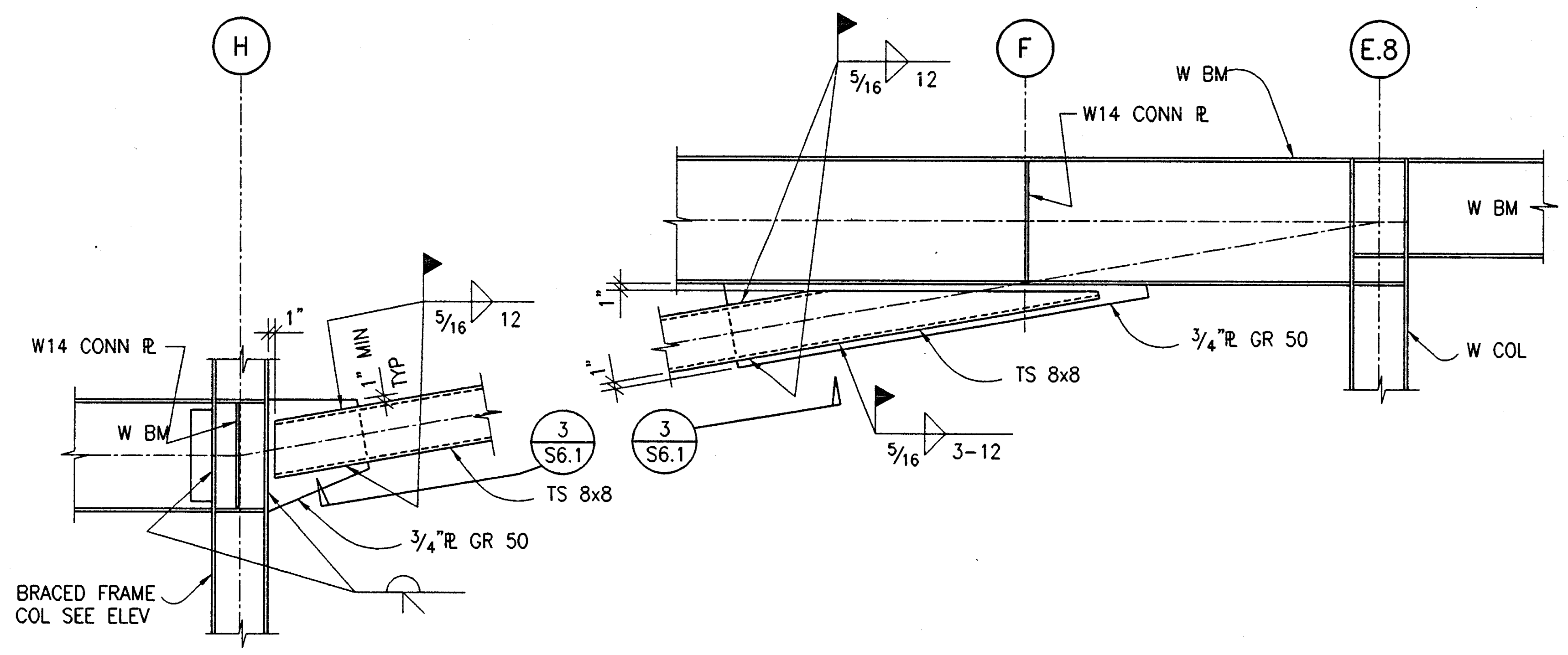


SECTION ⑦
3/4" = 1'-0"

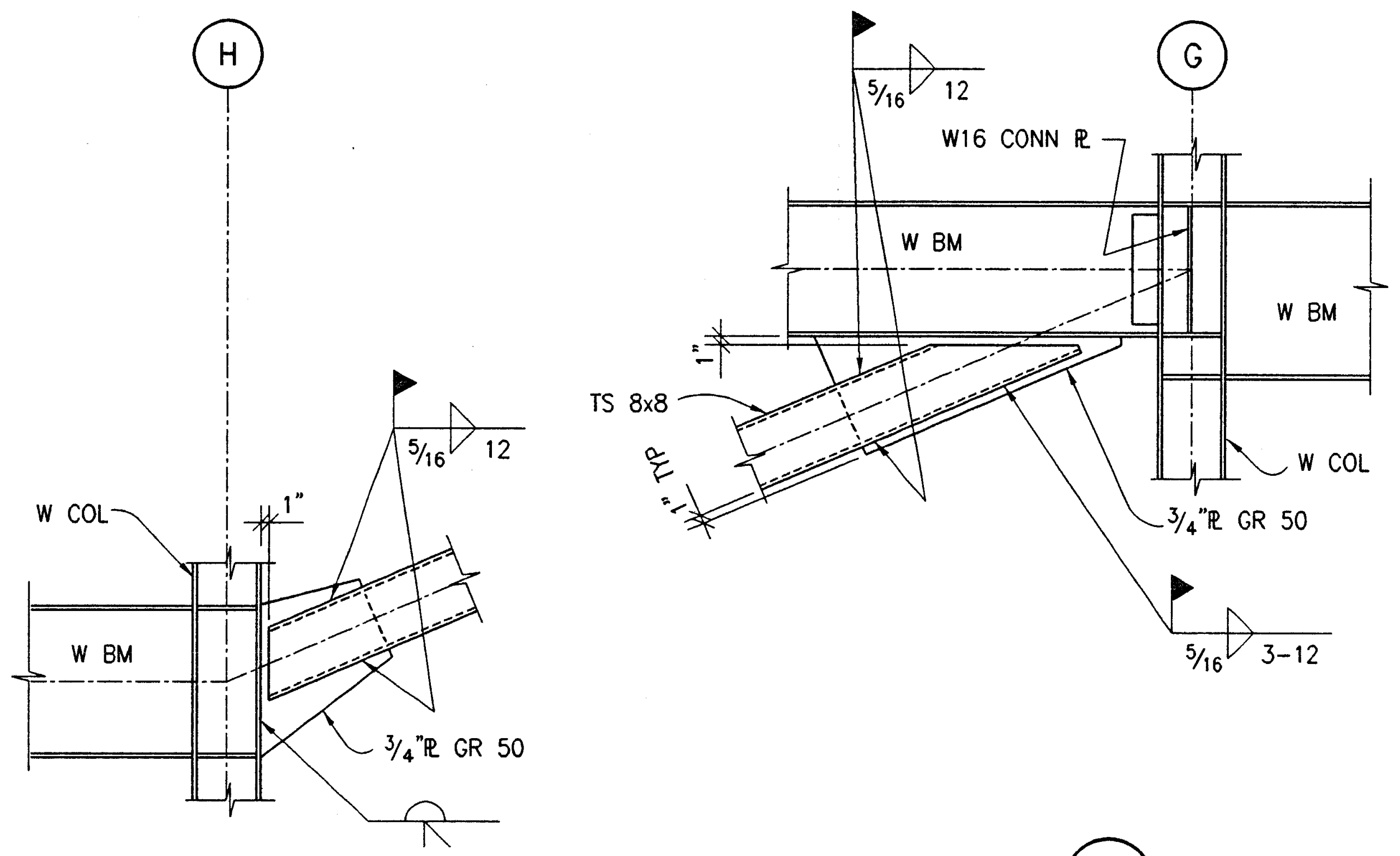


* SPLICE SHALL BE LOCATED
APPROXIMATELY 1/4 PTS OF CHORD LENGTH

LEDGER SPLICE DETAIL ⑧
3/4" = 1'-0"



DETAIL ⑨
3/4" = 1'-0"



DETAIL ⑩
3/4" = 1'-0"

DETAIL ⑪
3/4" = 1'-0"

DETAIL ⑫
3/4" = 1'-0"

DETAIL ⑬
3/4" = 1'-0"

DETAIL ⑭
3/4" = 1'-0"

DETAIL ⑮
3/4" = 1'-0"

DETAIL ⑯
3/4" = 1'-0"

DETAIL ⑰
3/4" = 1'-0"

DETAIL ⑱
3/4" = 1'-0"

PLOT DATE: 07.11.97

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL · 69120
AC ____ FLS ____ SS ~~____~~
3-10-83

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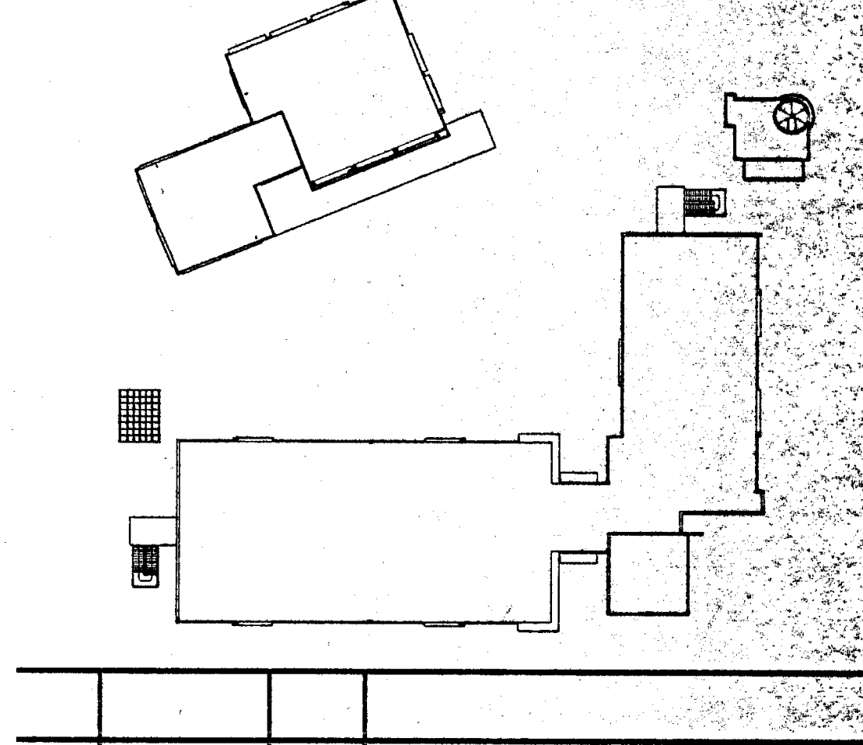
KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

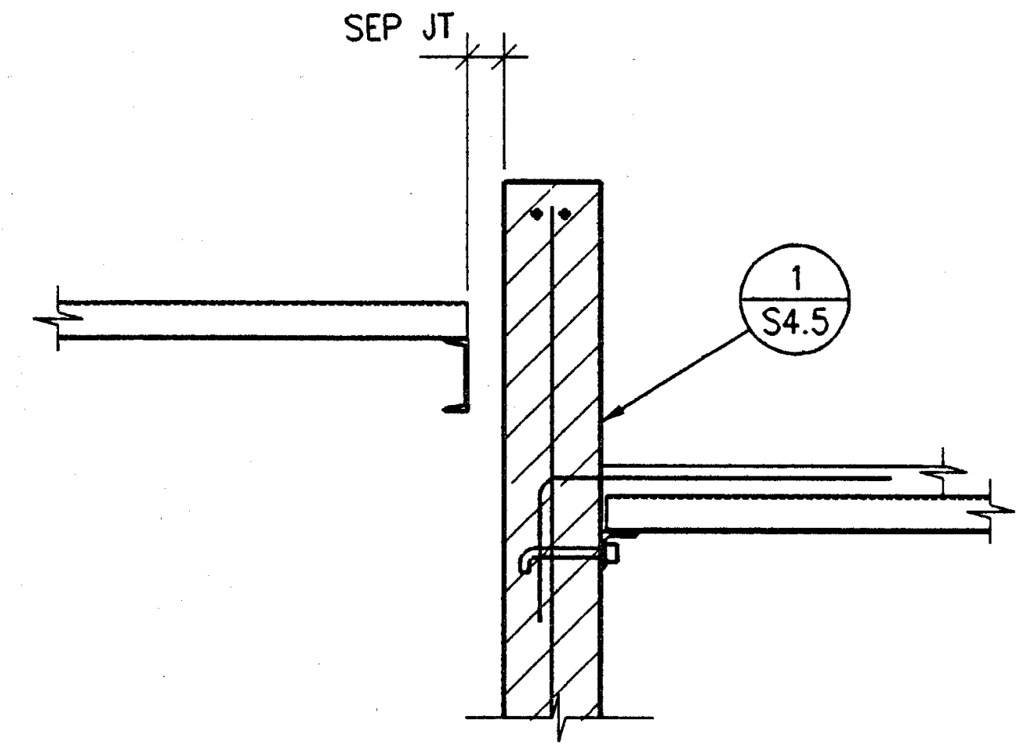
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

DETAILS

FILE:	S602-552	SHEET NO.
SCALE	3/4"=1'-0"	S6.2
JOB NO.	JGM	
DATE	07.14.97	OF ____ SHEETS



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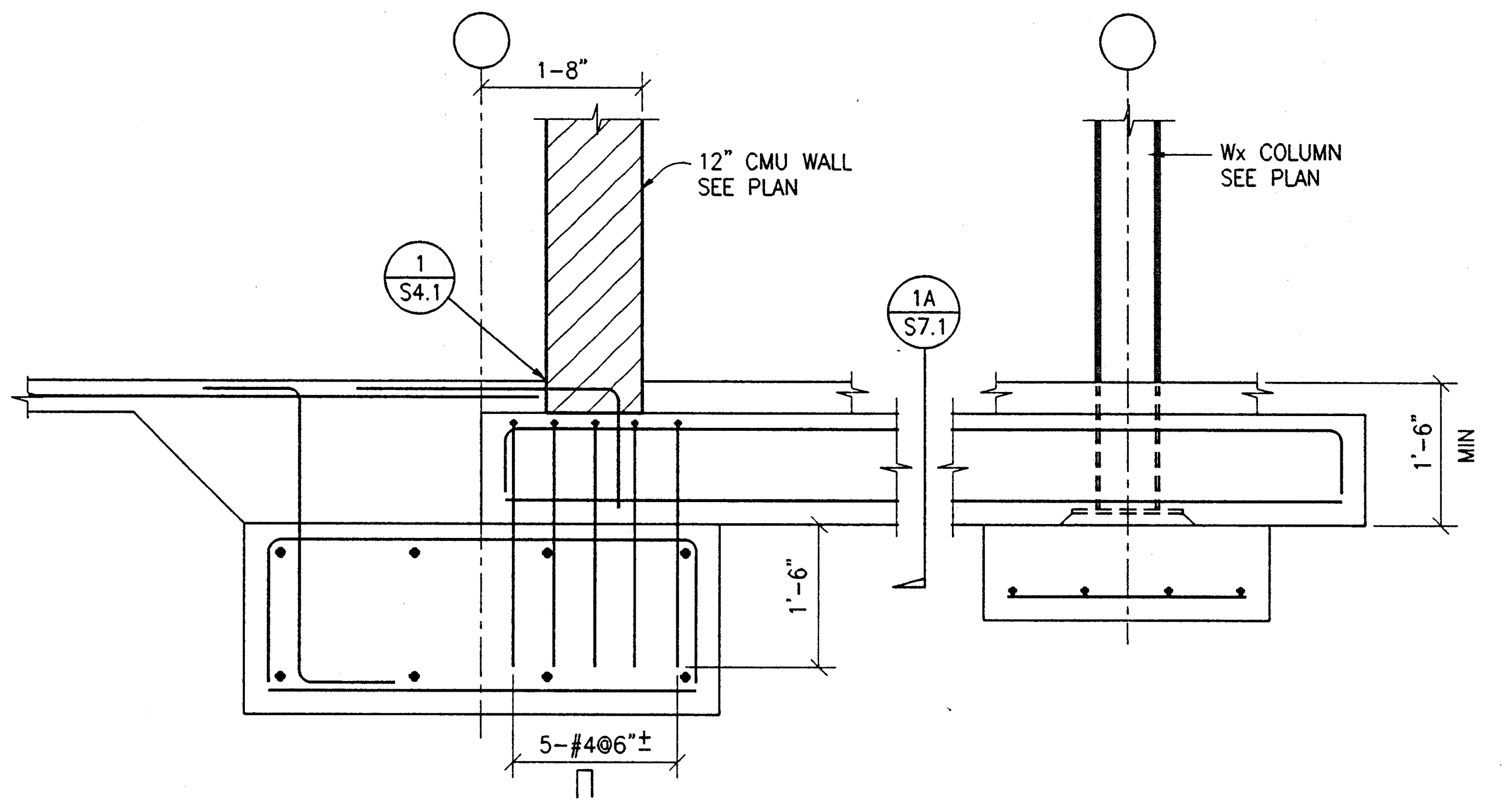
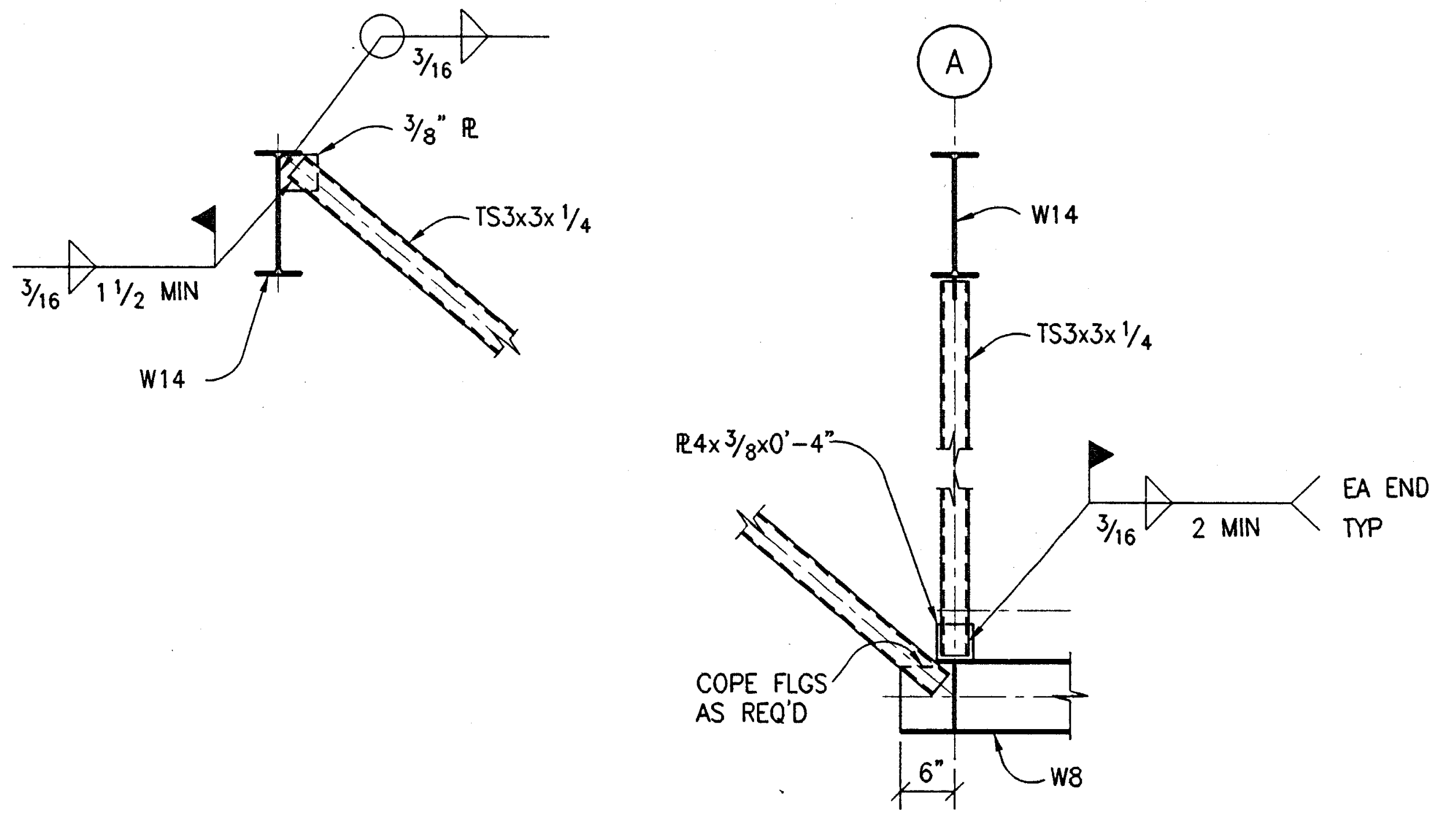
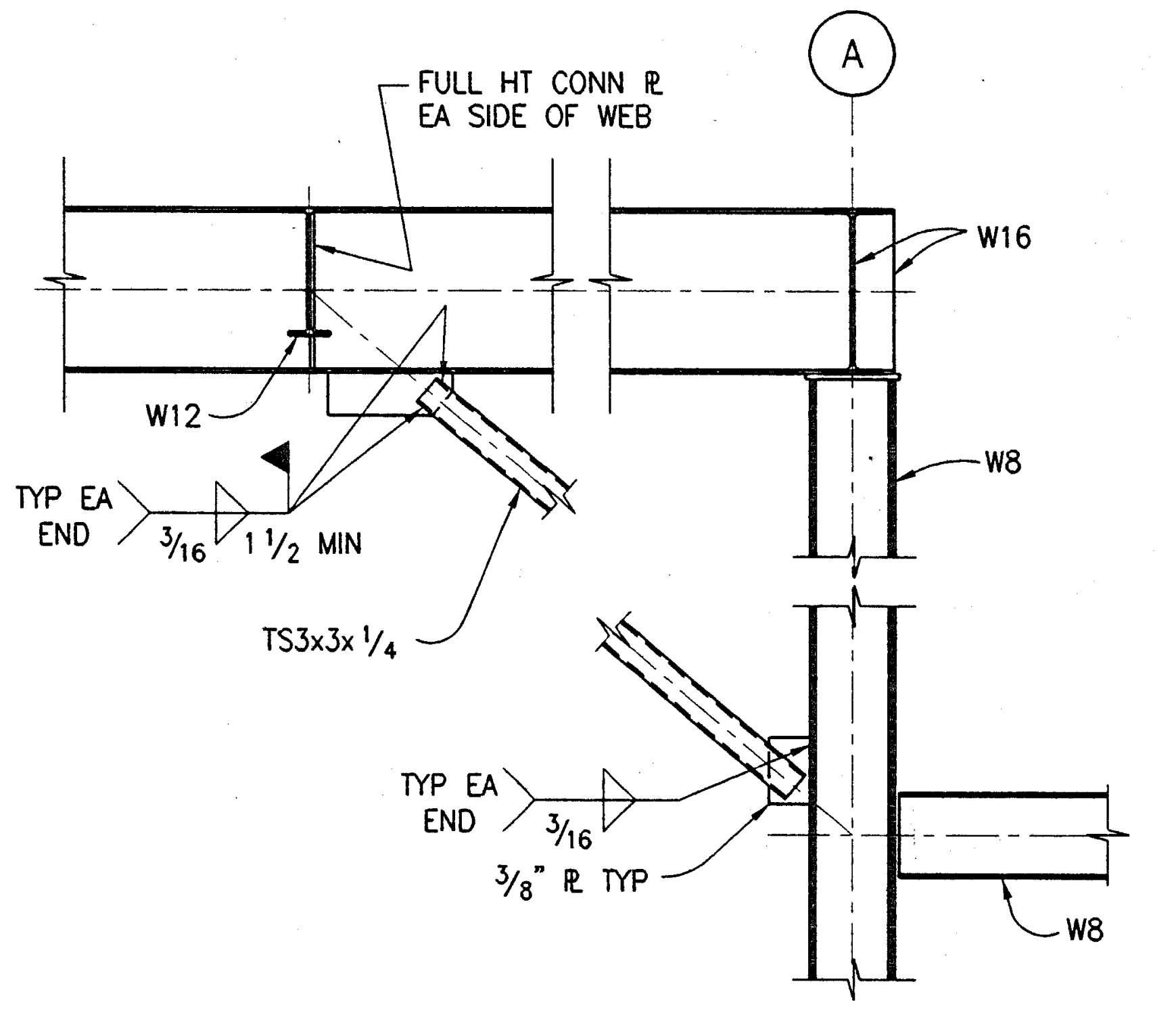
3/4" = 1'-0"



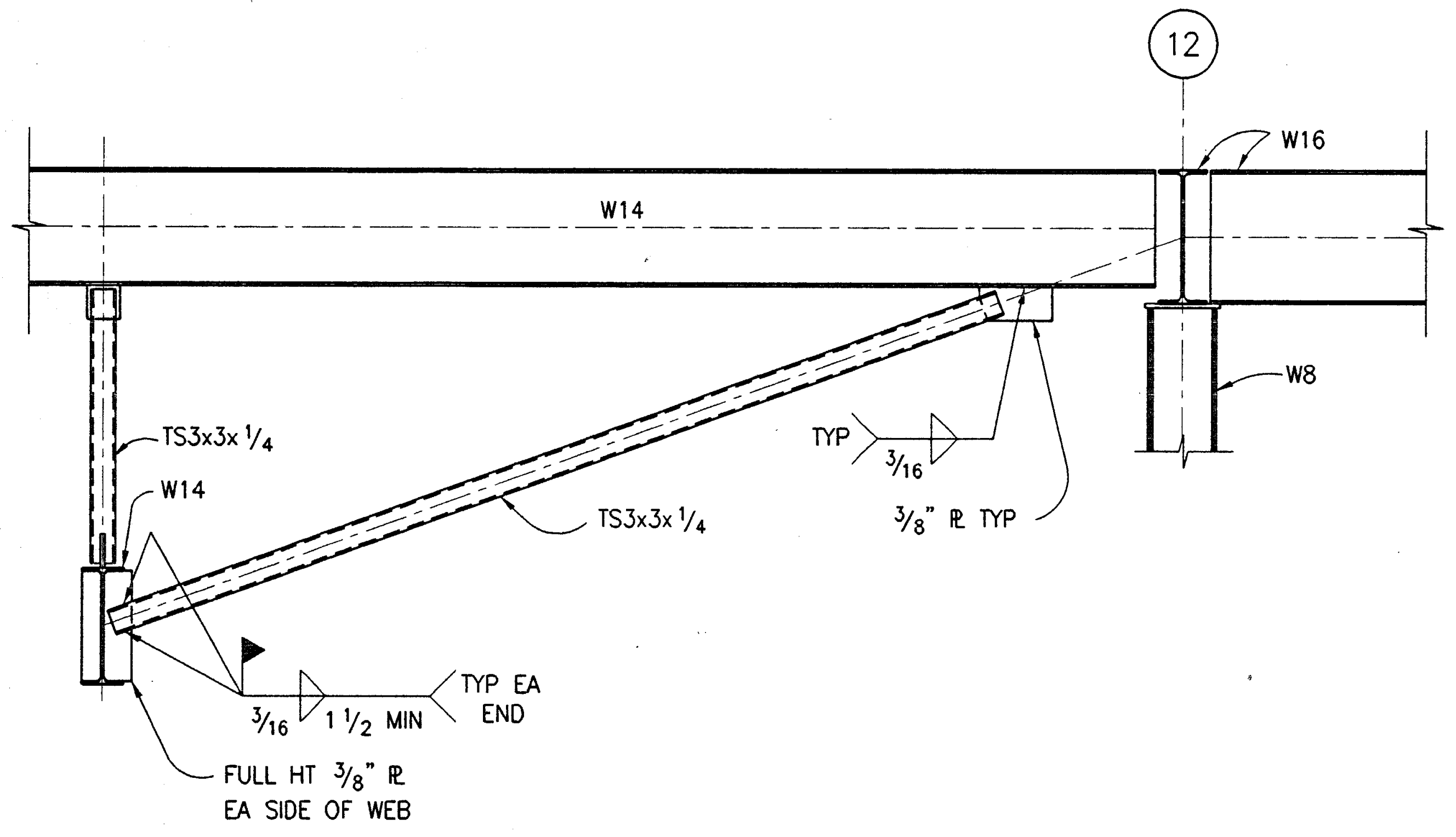
DETAIL ②
3/4" = 1'-0"



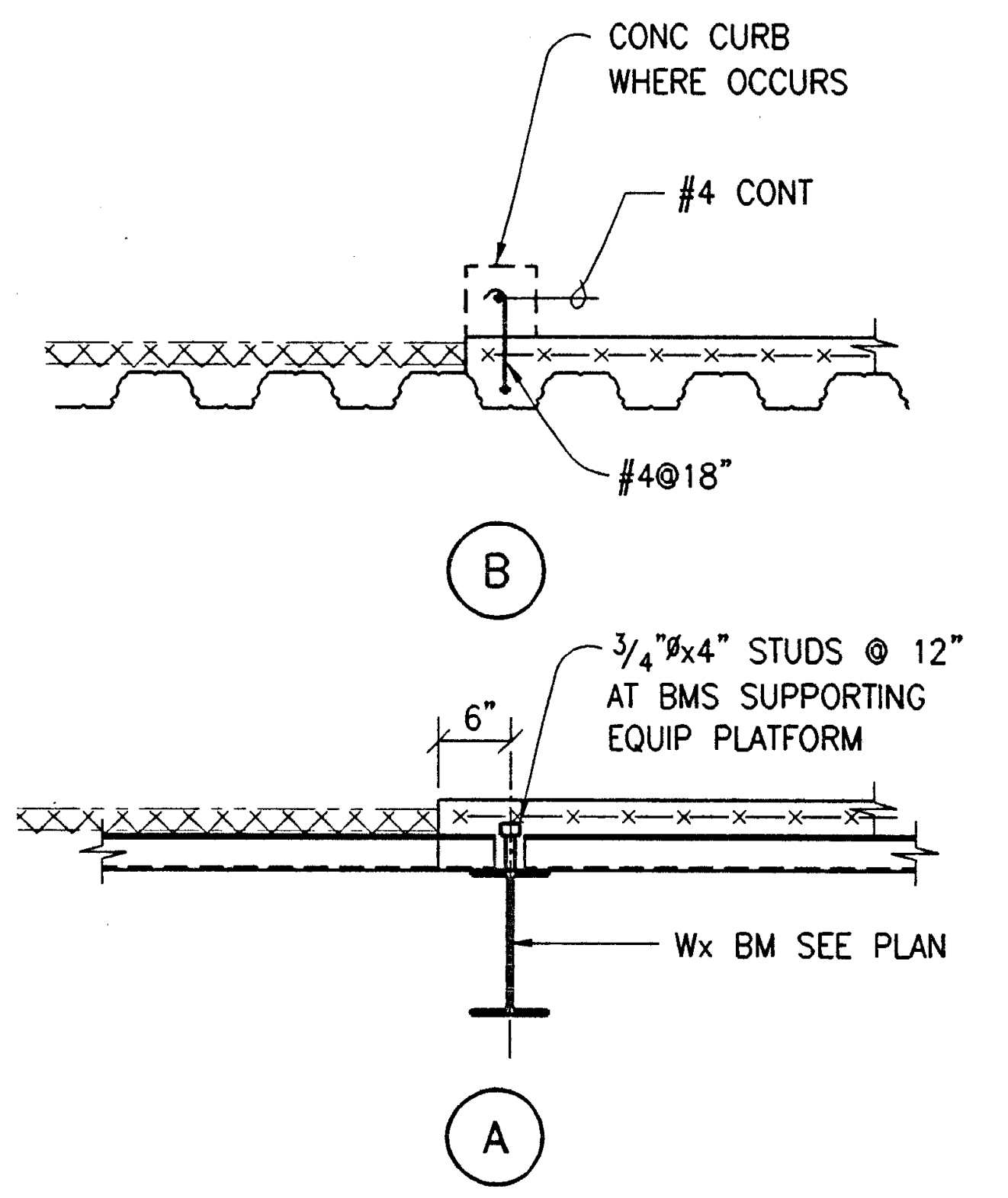
DETAIL ③
3/4" = 1'-0"



DETAIL ④
3/4" = 1'-0"



DETAIL ⑤
3/4" = 1'-0"



DETAIL ⑥
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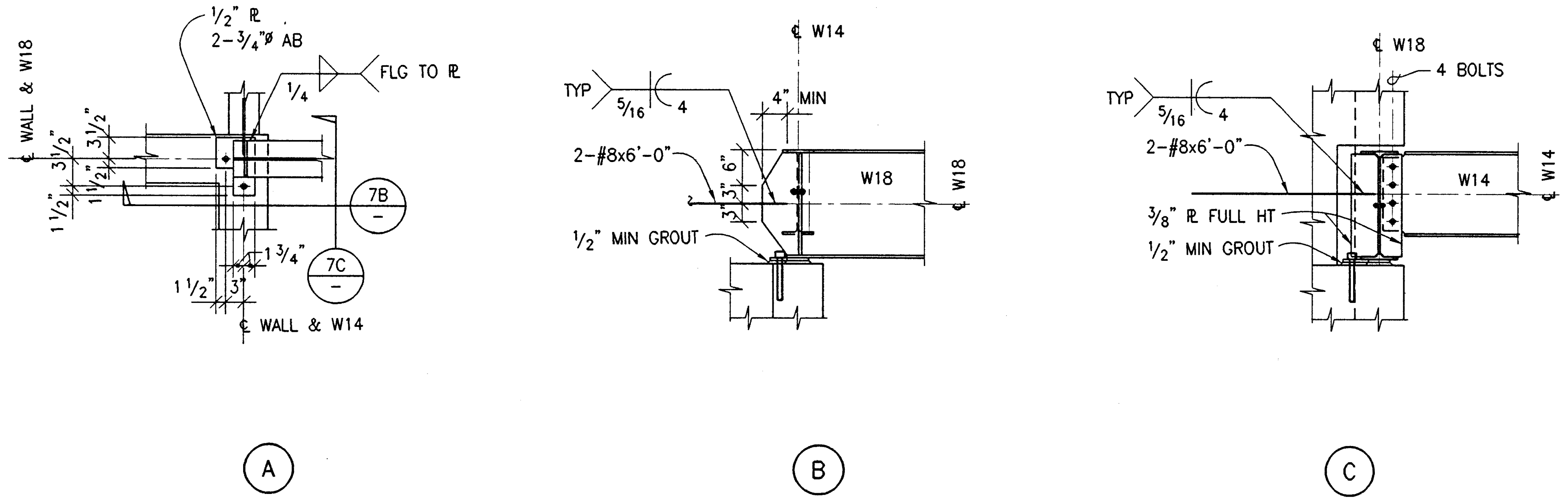

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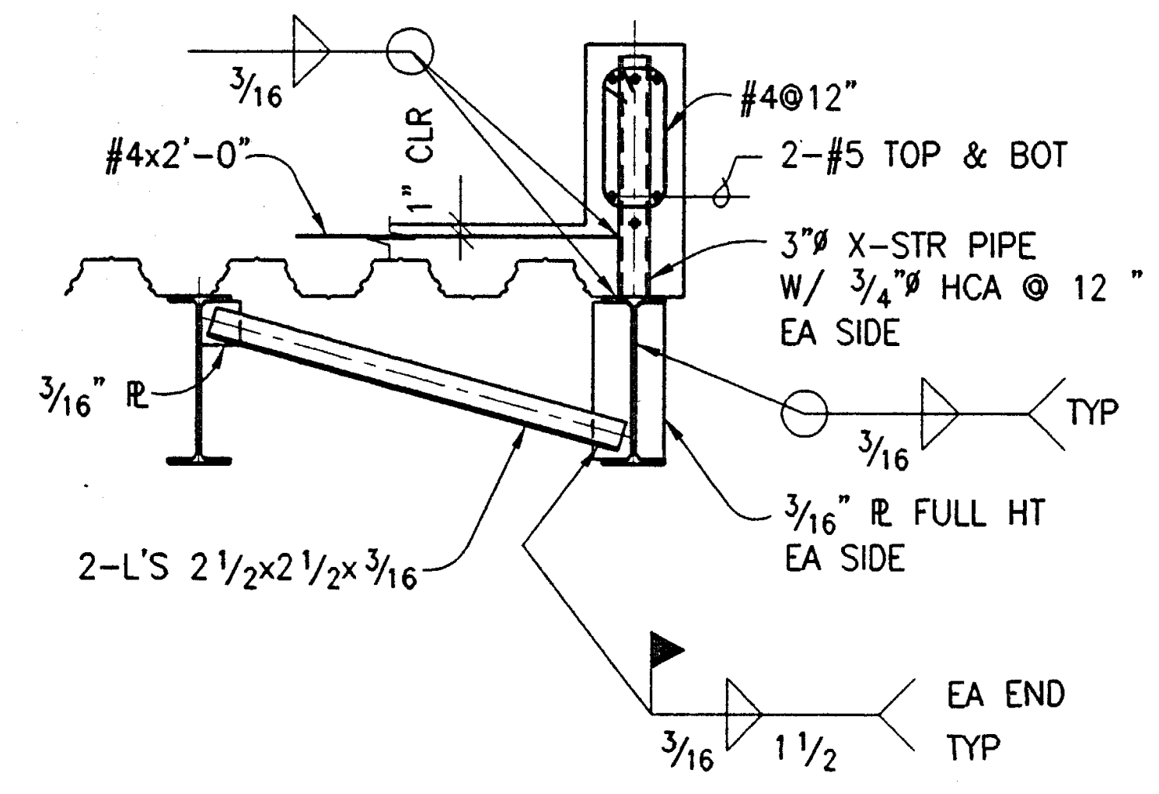

DETAIL ⑧
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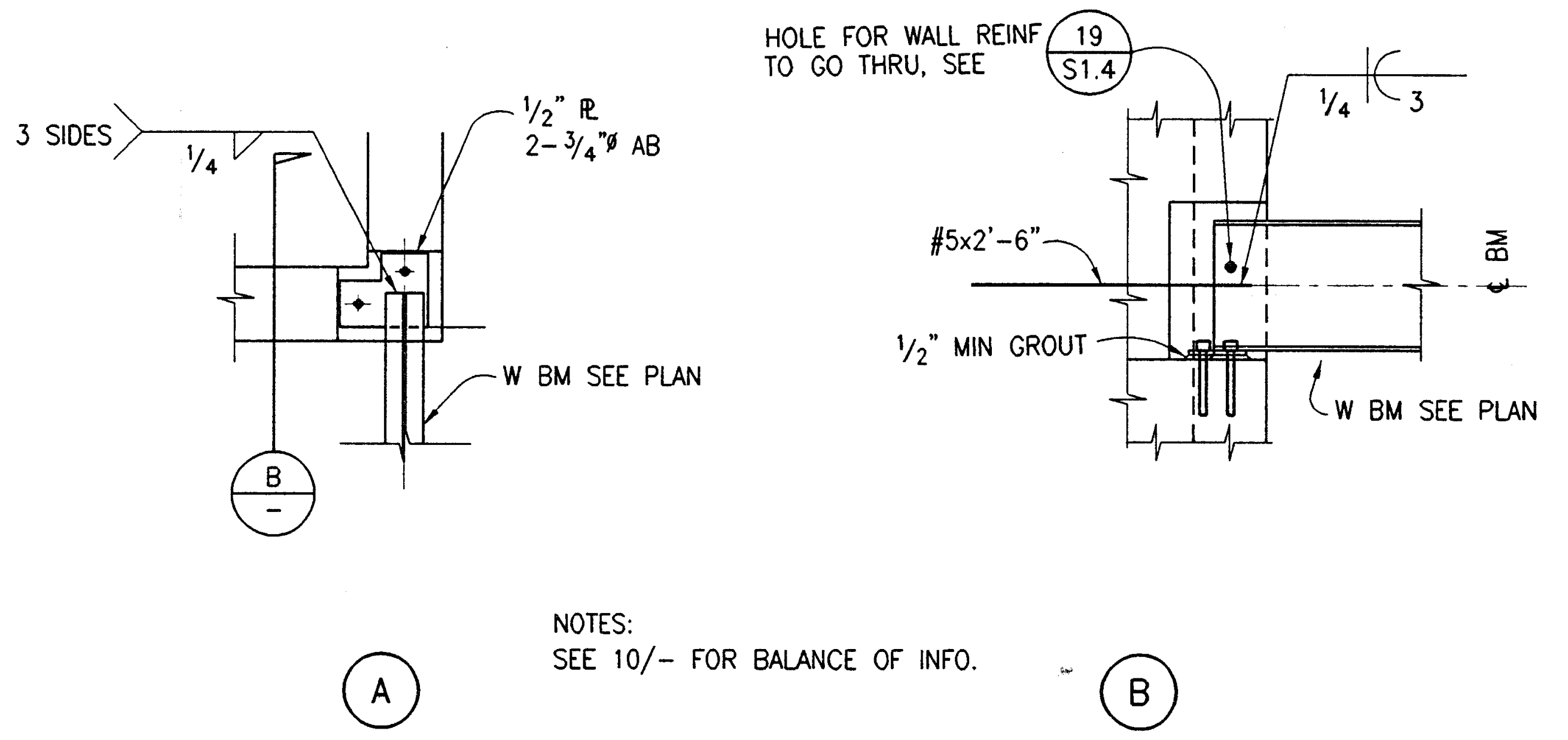
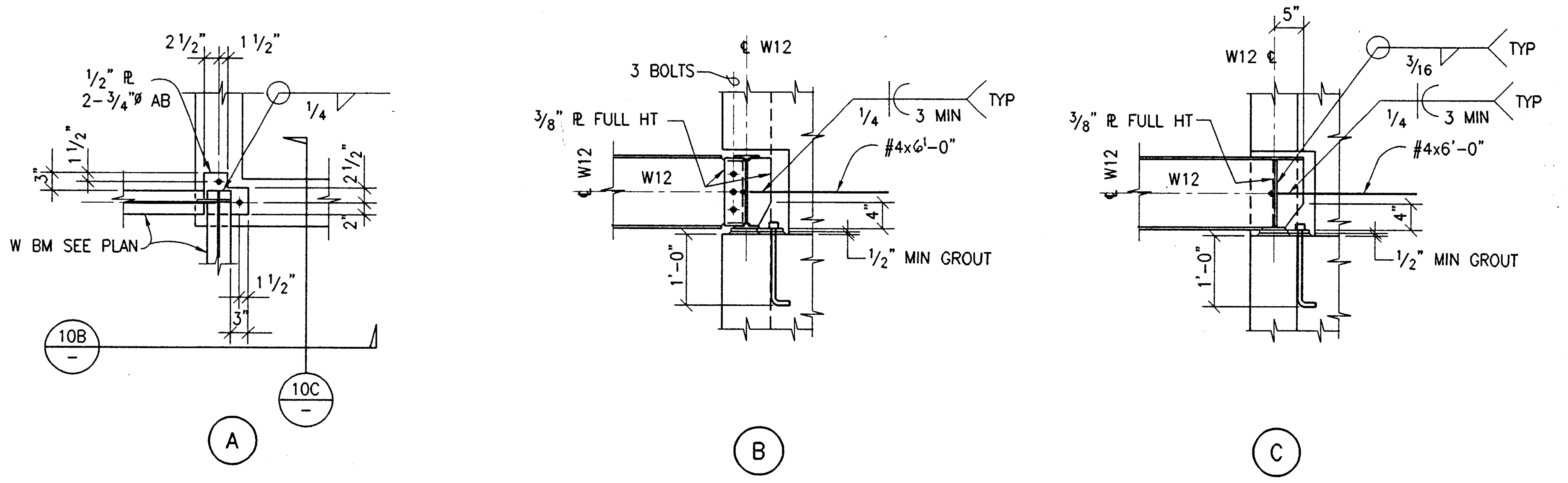


NOTES:
SEE 10/- FOR BALANCE OF INFO.

DETAIL ⑨
3/4" = 1'-0"



DETAIL ⑩
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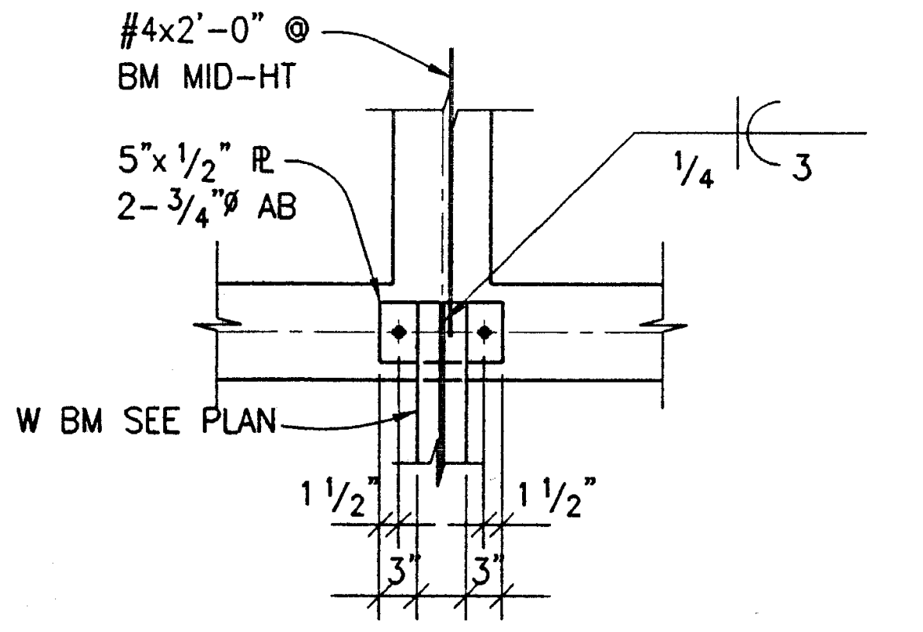

DETAIL ⑪
3/4" = 1'-0"

12/1/97 S603-552 S6.3 3/4"=1'-0" #552
PLOT DATE: 07.11.97

IDENTIFICATION STAMP
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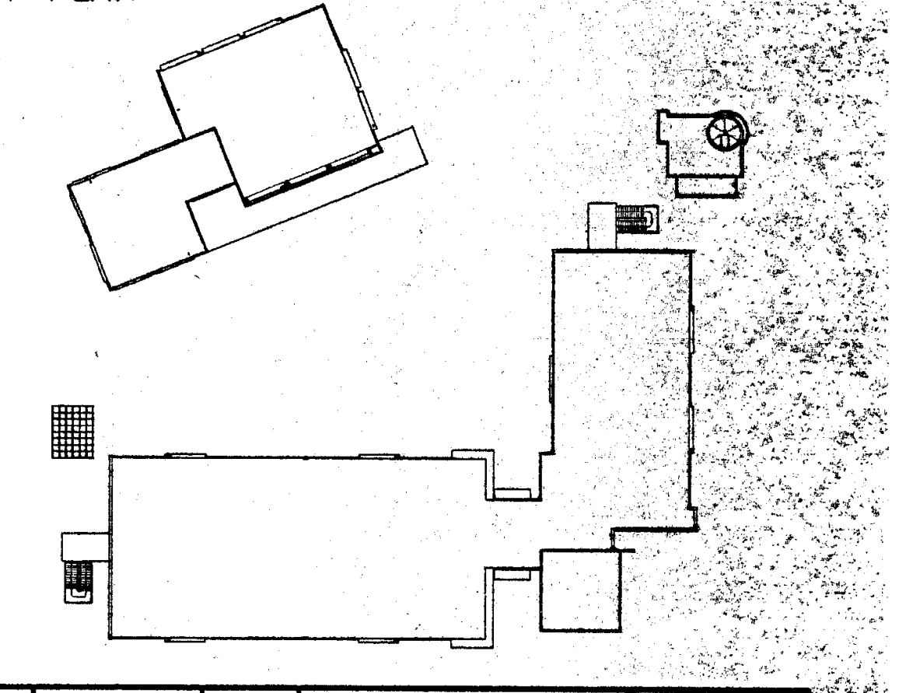
SEAL
No. 1958
EXP. 12/31/01

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

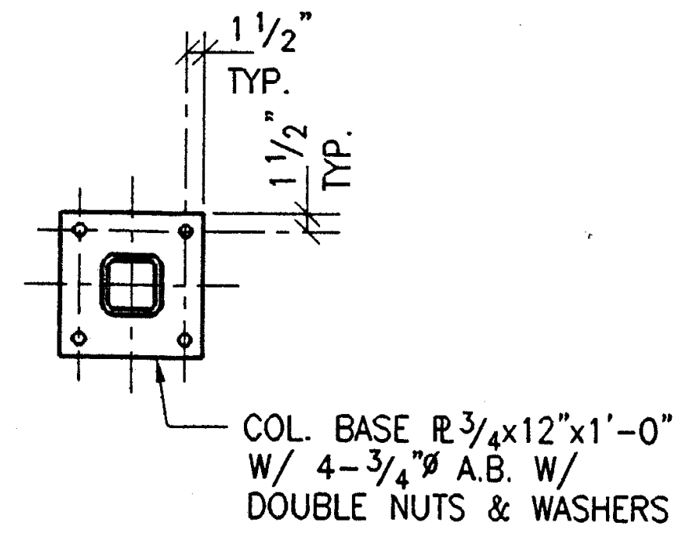
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

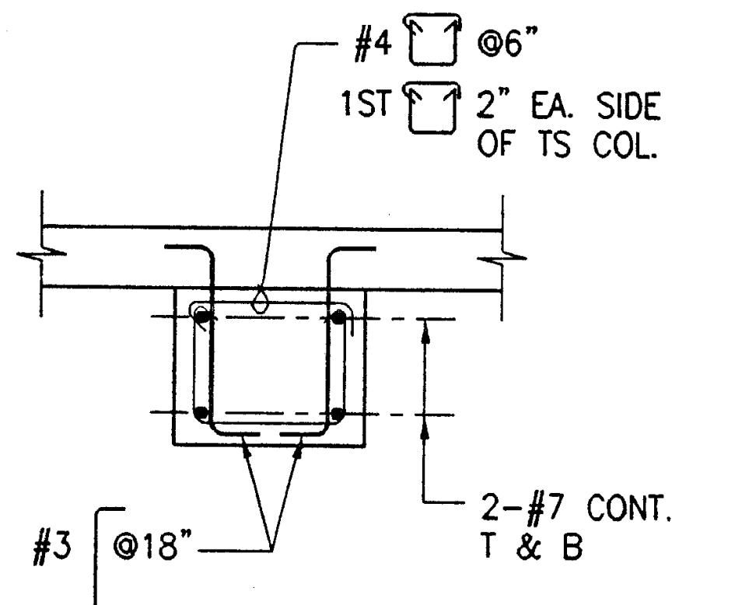
SHEET TITLE

DETAILS

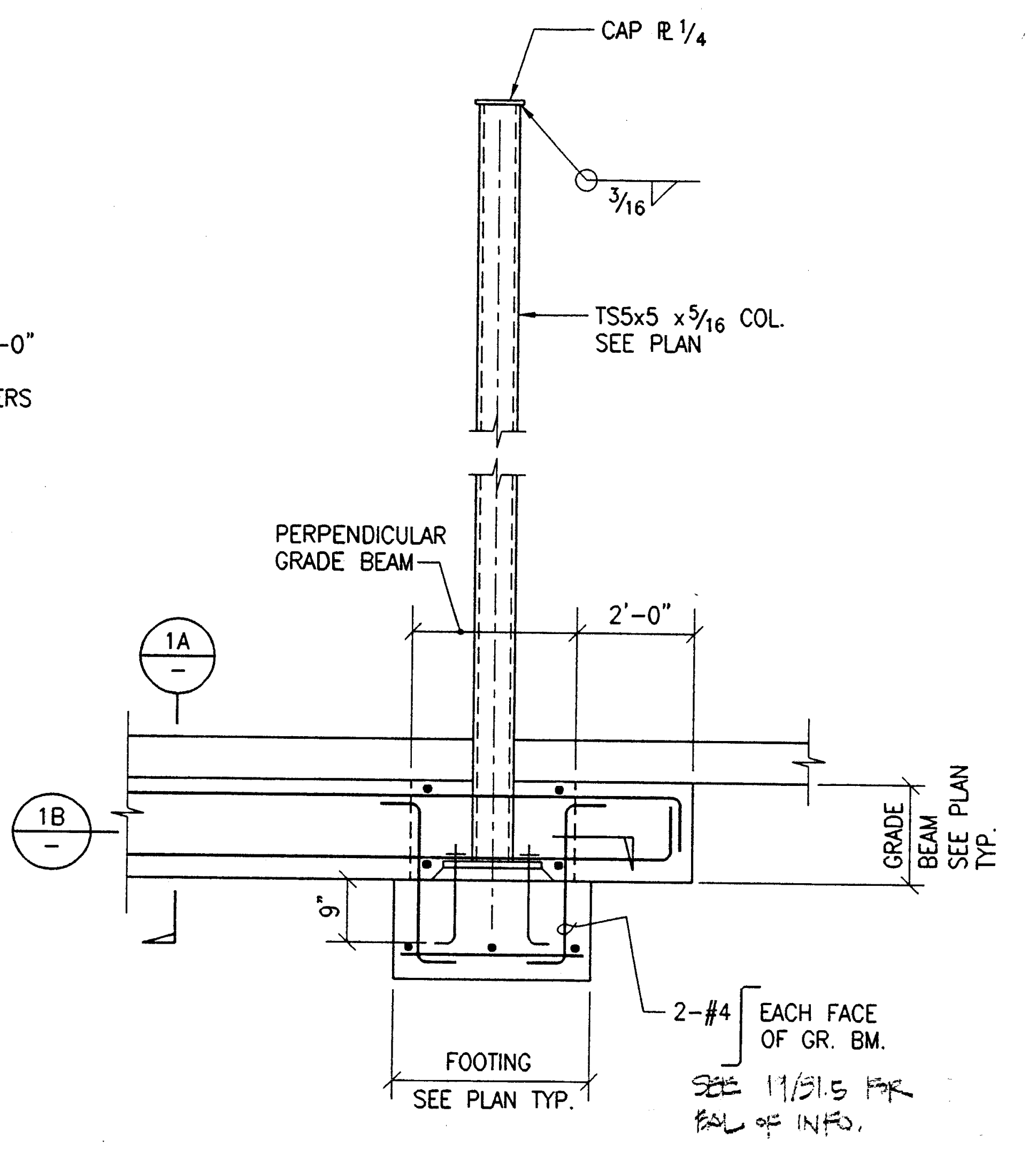
FILE: S603-552
SCALE 3/4"=1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S6.3
OF ____ SHEETS



DETAIL 1B

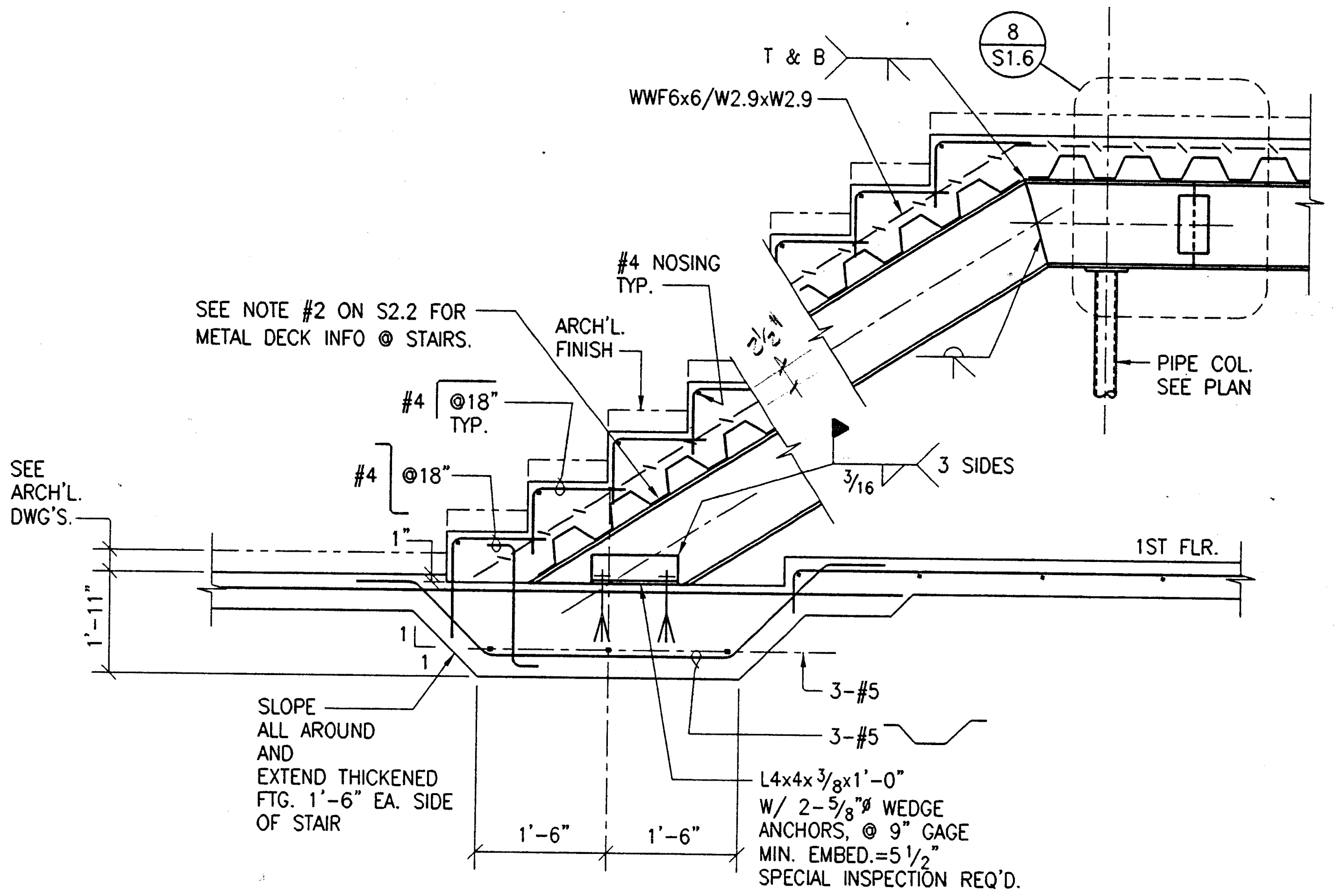


DETAIL 1A



SEE 11/S1.5 FOR BAL OF INFO.

DETAIL 1
3/4" = 1'-0"



DETAIL 2
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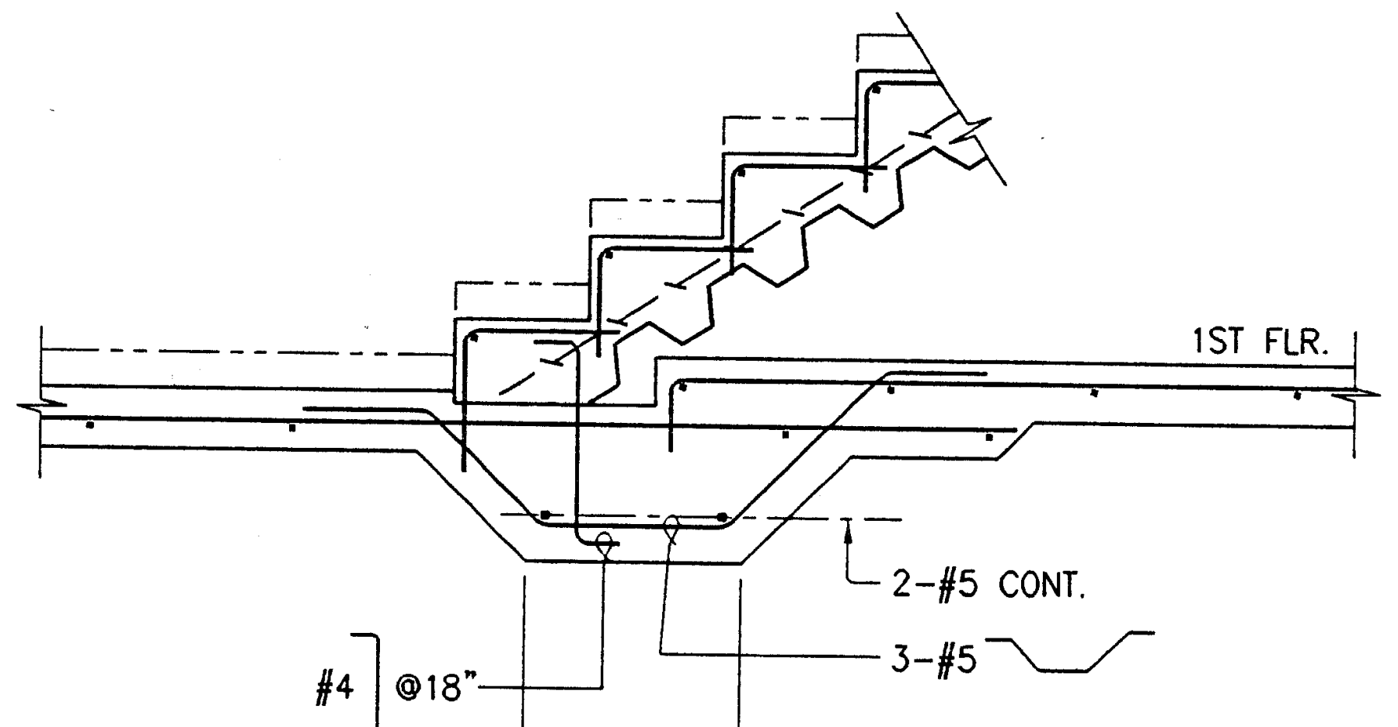
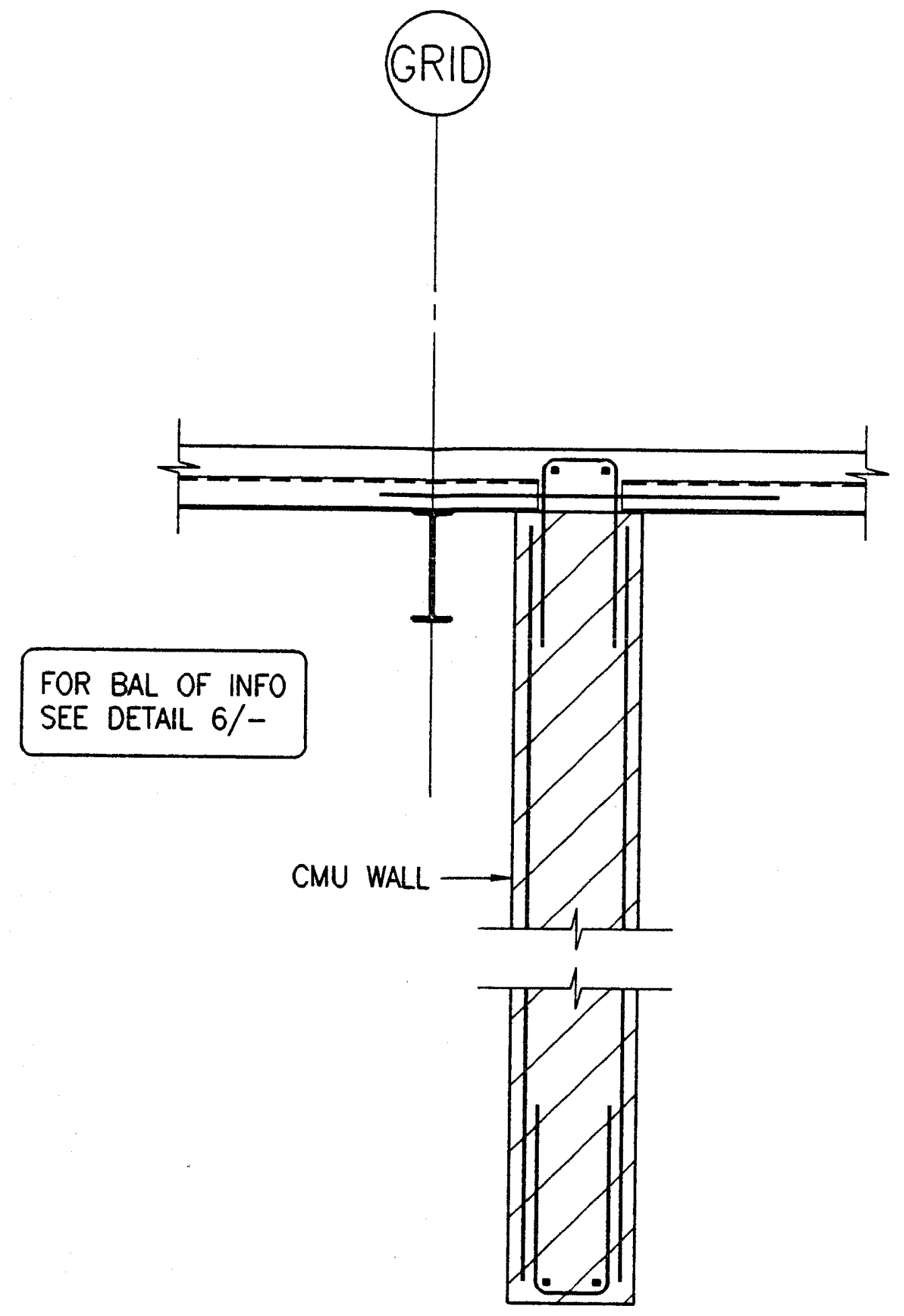
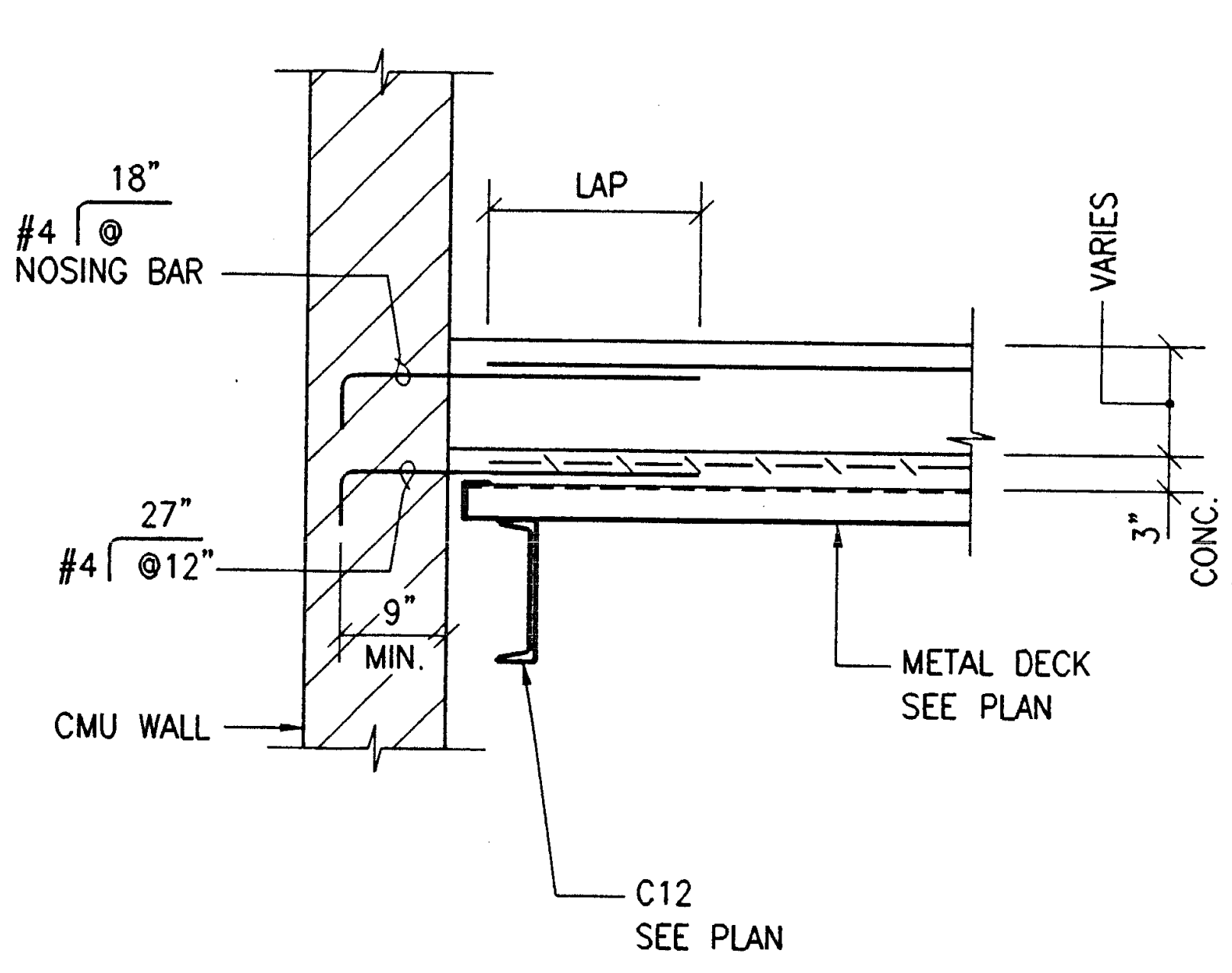


FOR BALANCE OF INFO SEE DETAIL 2/-

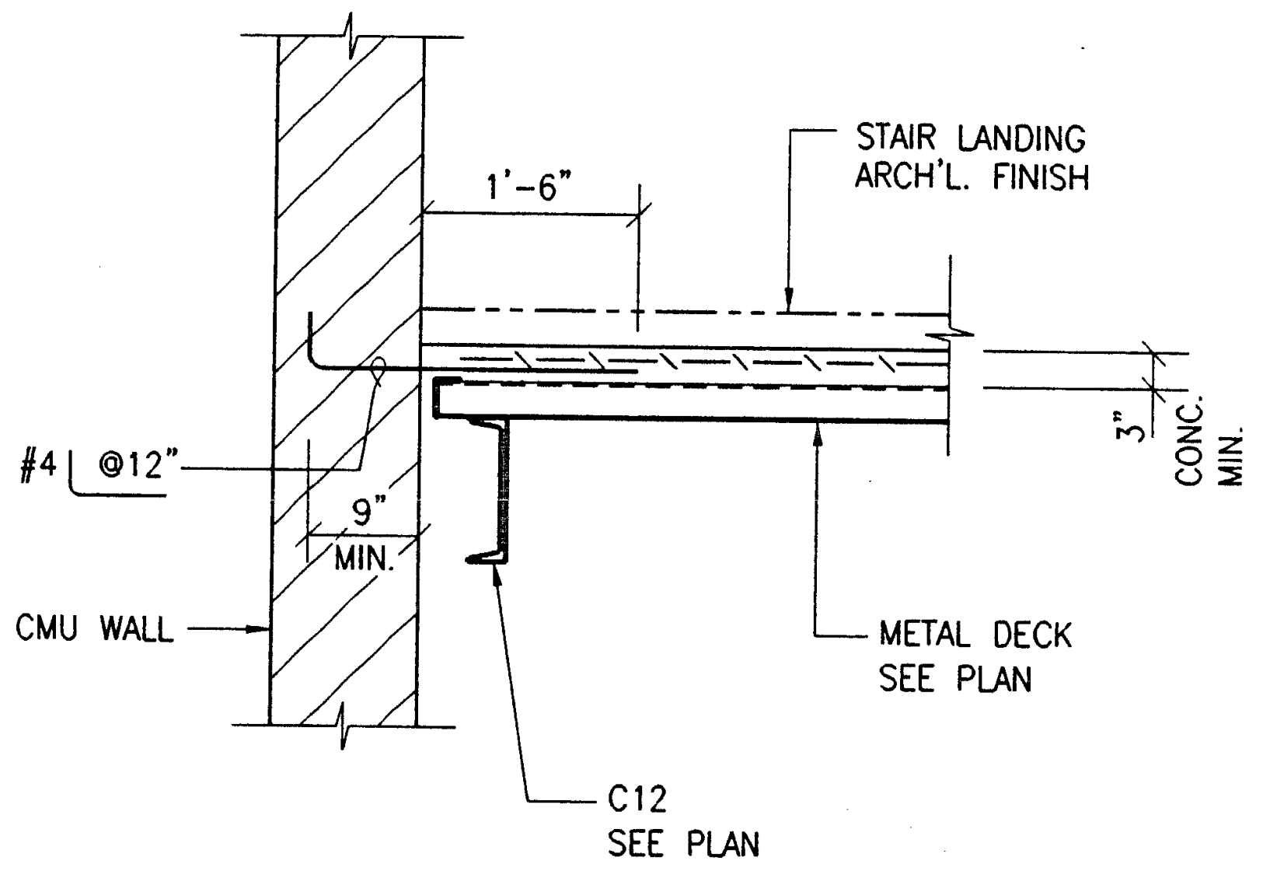
DETAIL 3
3/4" = 1'-0"



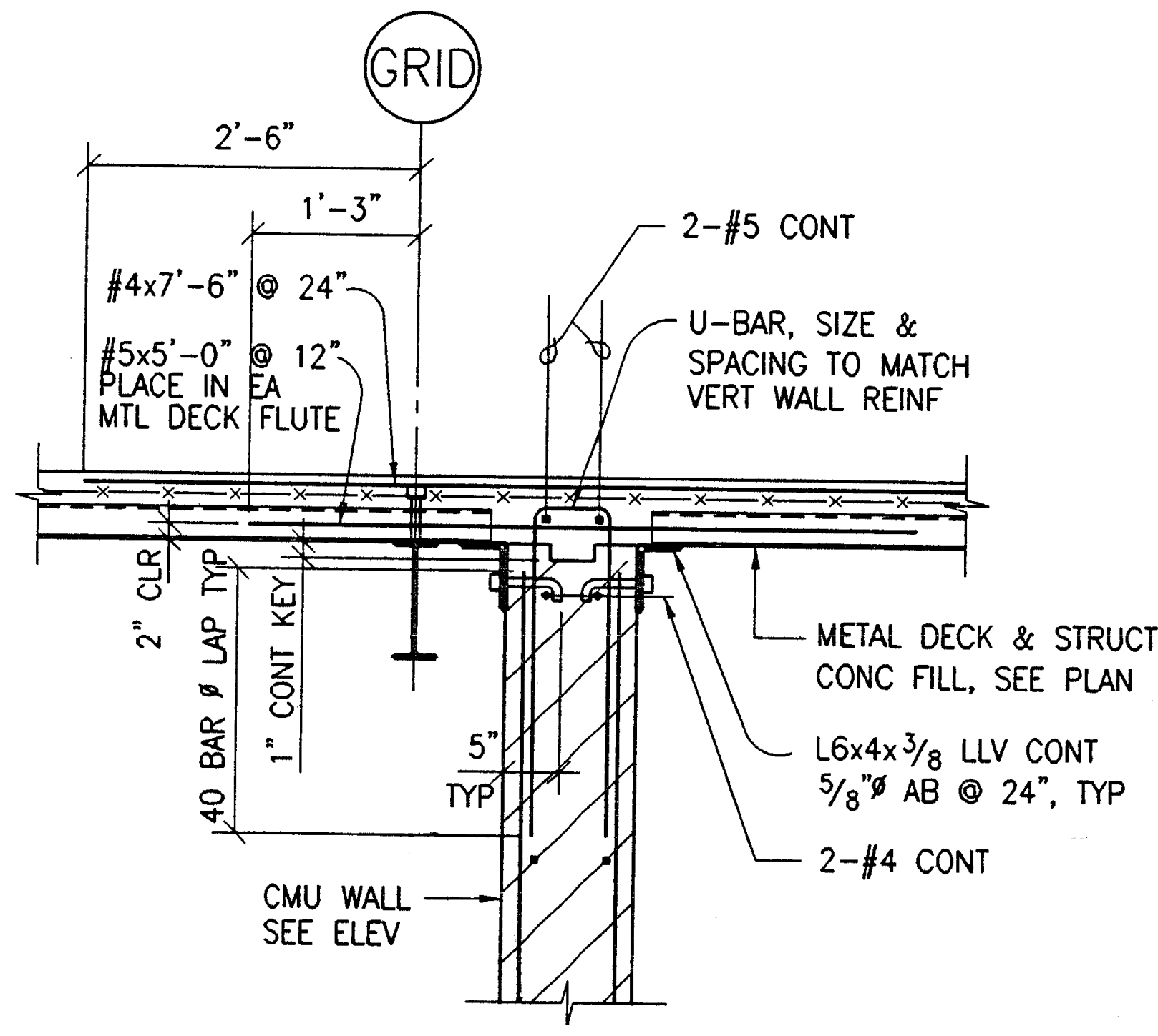
FOR BAL OF INFO SEE DETAIL 6/-



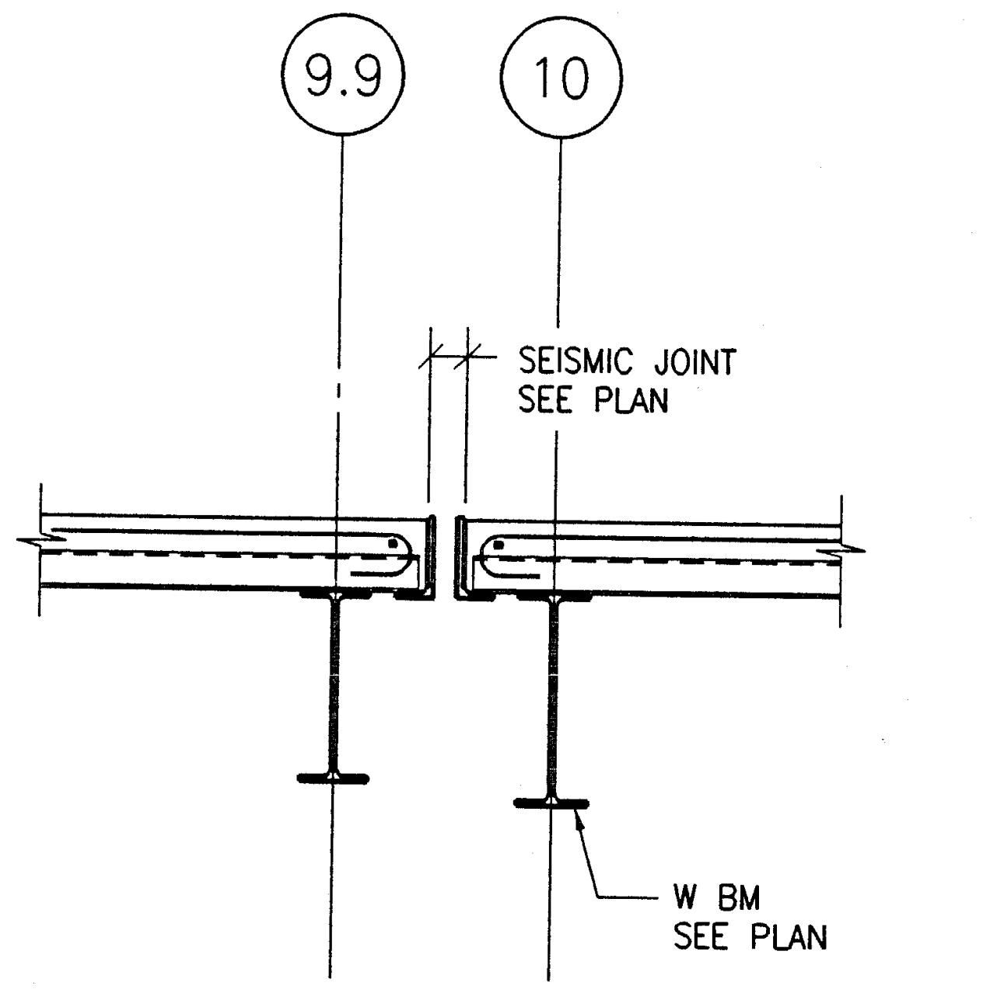
DETAIL 4
3/4" = 1'-0"



DETAIL 5
3/4" = 1'-0"

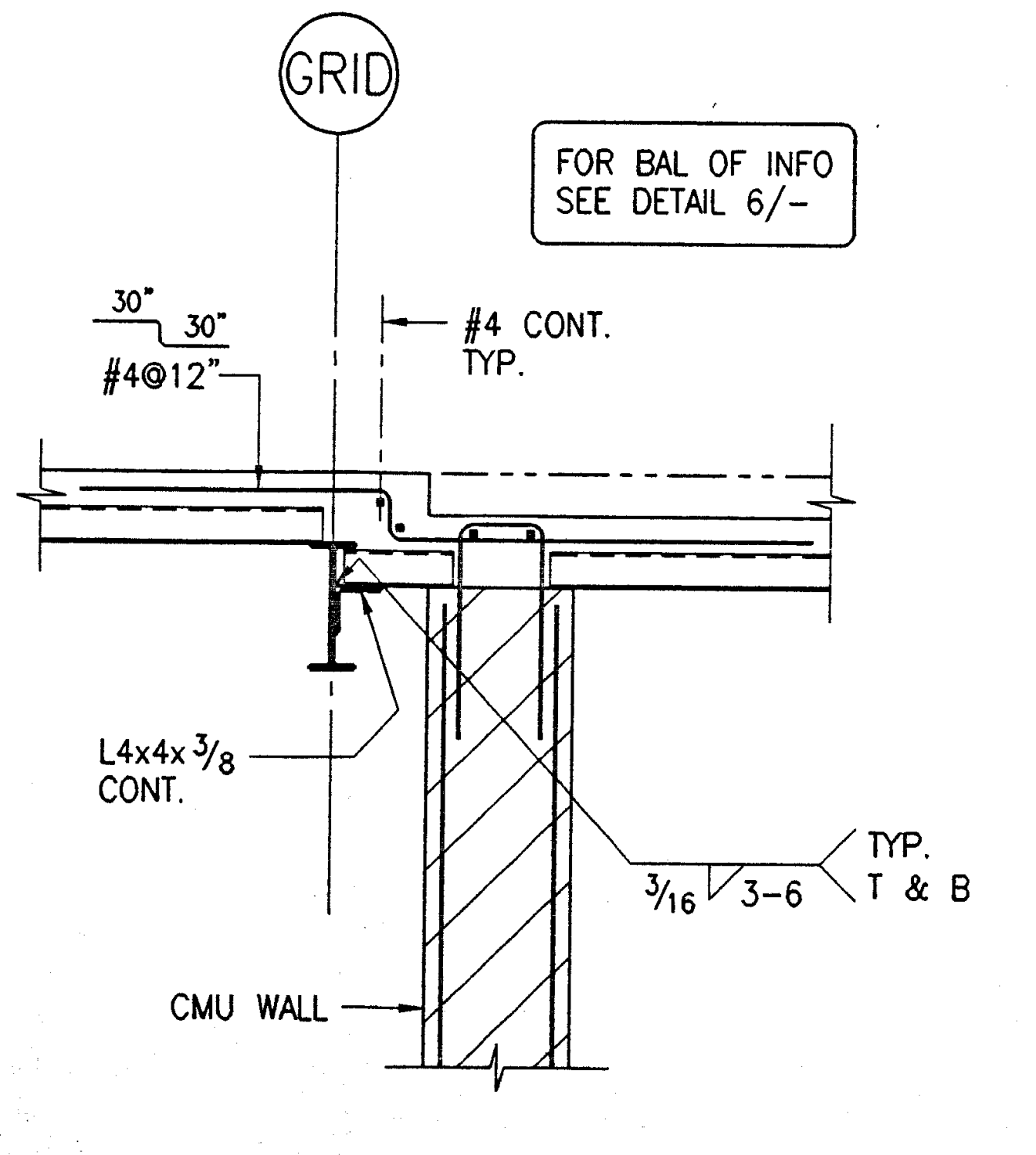


DETAIL 6
3/4" = 1'-0"

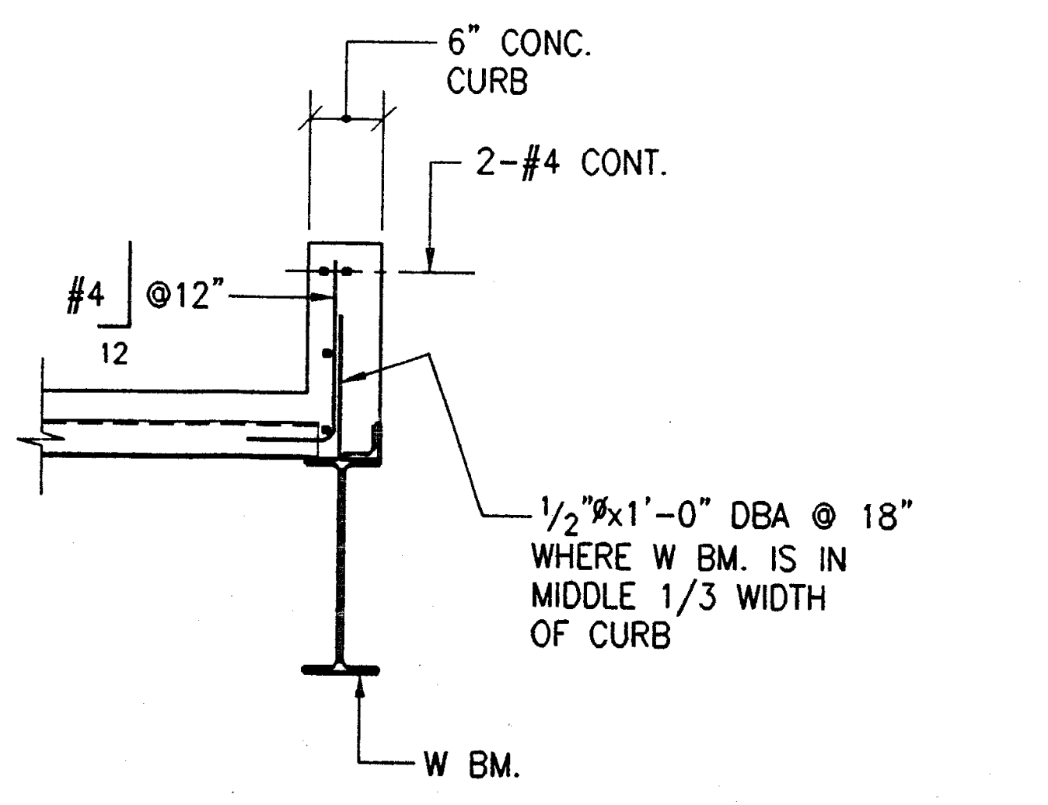


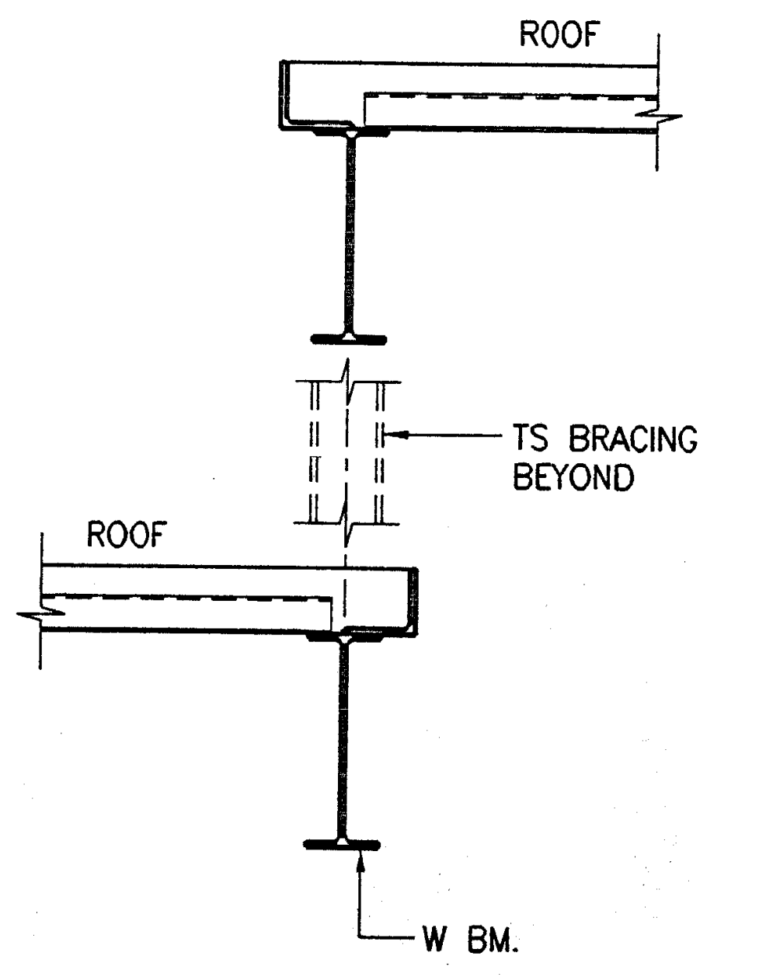
DETAIL 7
3/4" = 1'-0"

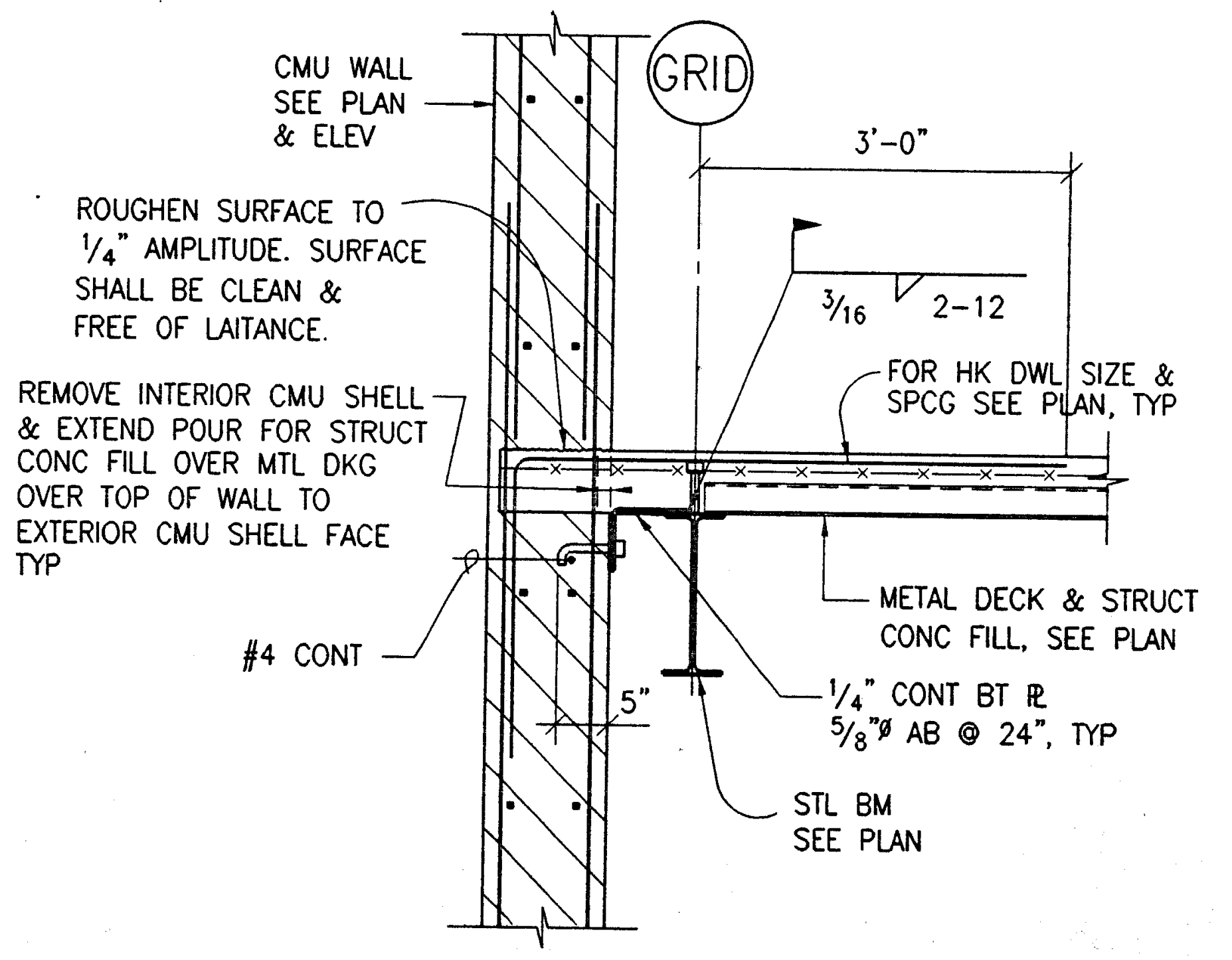
DETAIL 9
3/4" = 1'-0"

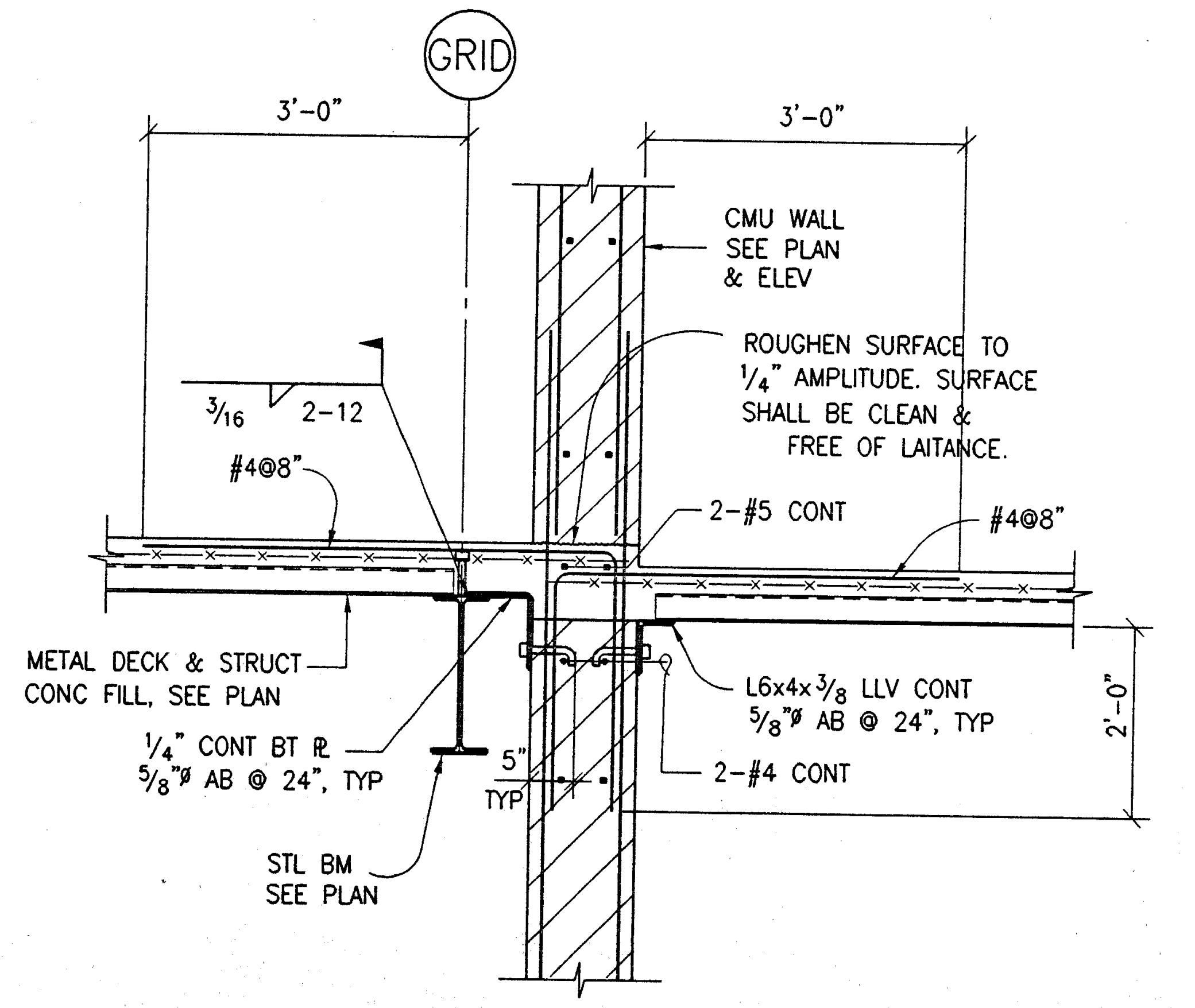


FOR BAL OF INFO SEE DETAIL 6/-









DETAIL 8
3/4" = 1'-0"

DETAIL 9
3/4" = 1'-0"

DETAIL 10
3/4" = 1'-0"

DETAIL 11
3/4" = 1'-0"

DETAIL 12
3/4" = 1'-0"

12/18/97 S701-552 S7.1 3/4"=1'-0" J6552
PLOT DATE: 07.11.97

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MORRIS R. POINDEXTER C-13900 3-31-99

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& ASSOCIATES, INC.
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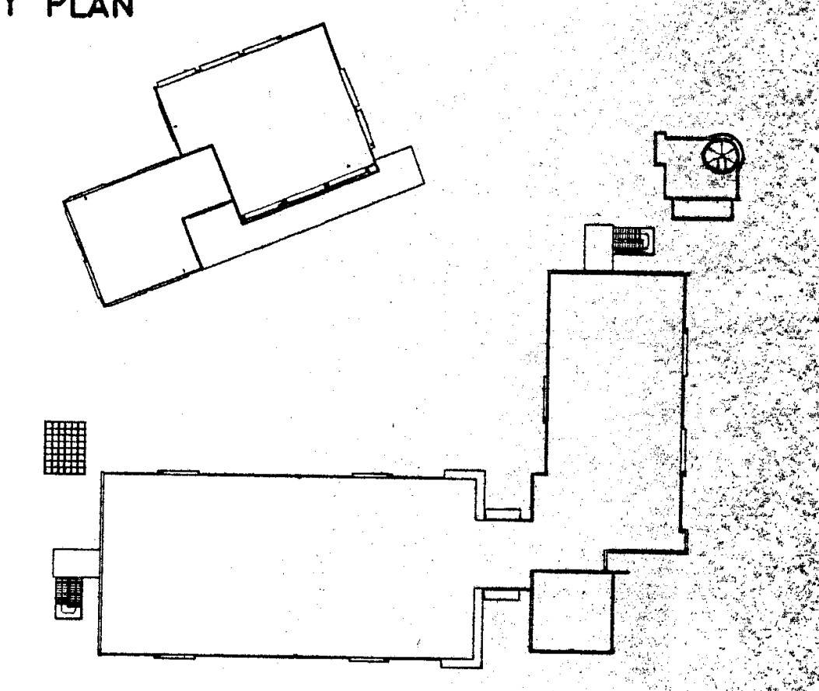
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT

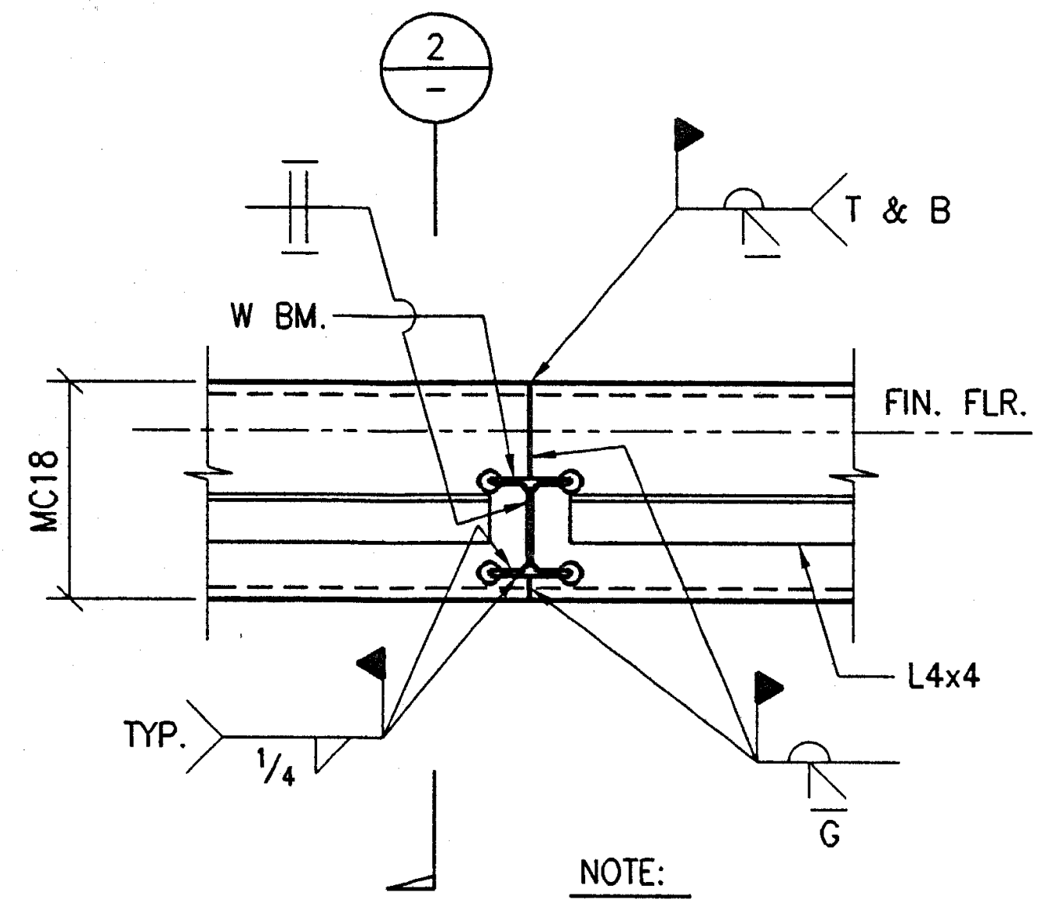
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE

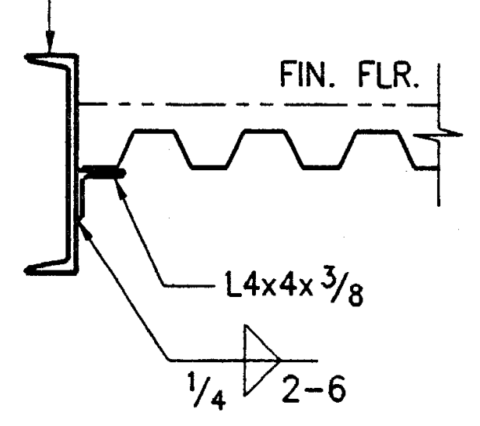
DETAILS

FILE: S601-552
SCALE 3/4"=1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO. S7.1
OF____ SHEETS

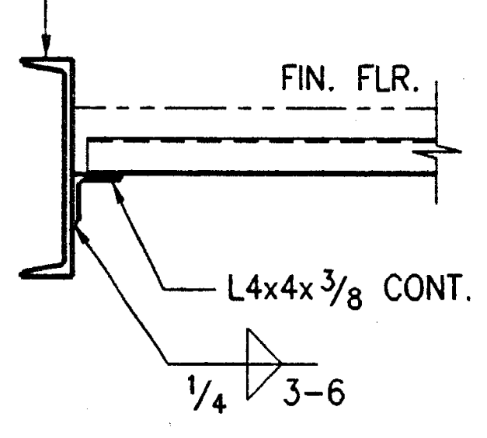


NOTE:
METAL DECK NOT SHOWN
FOR CLARITY

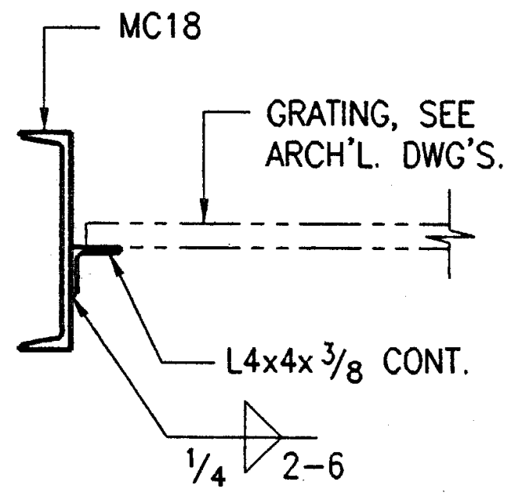
DETAIL ①
3/4" = 1'-0"



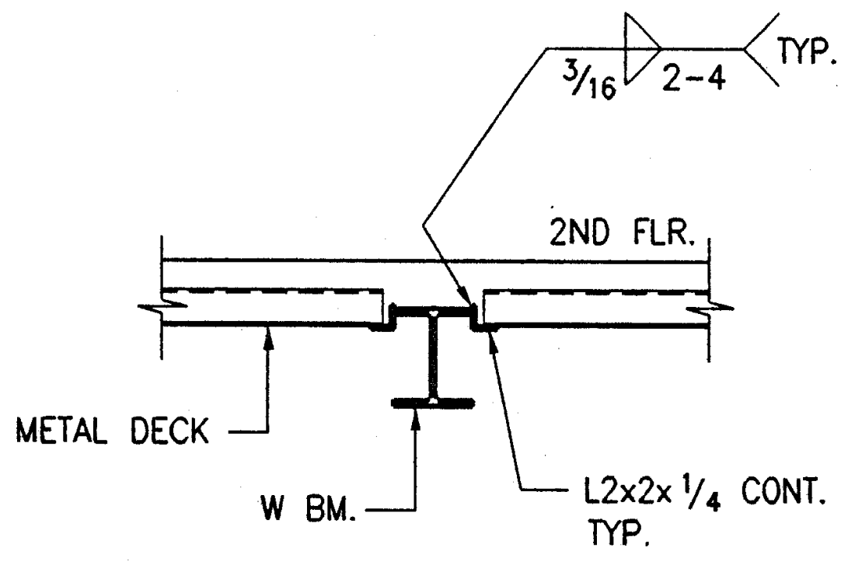
DETAIL ②
3/4" = 1'-0"



DETAIL ③
3/4" = 1'-0"



DETAIL ④
3/4" = 1'-0"



DETAIL ⑤
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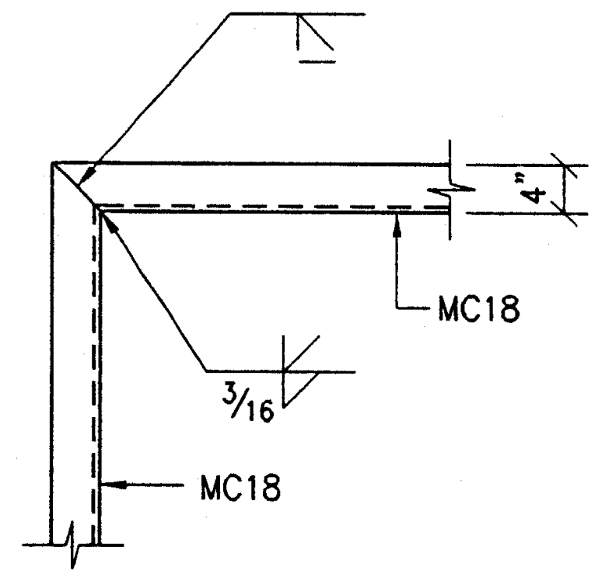

DETAIL ⑥
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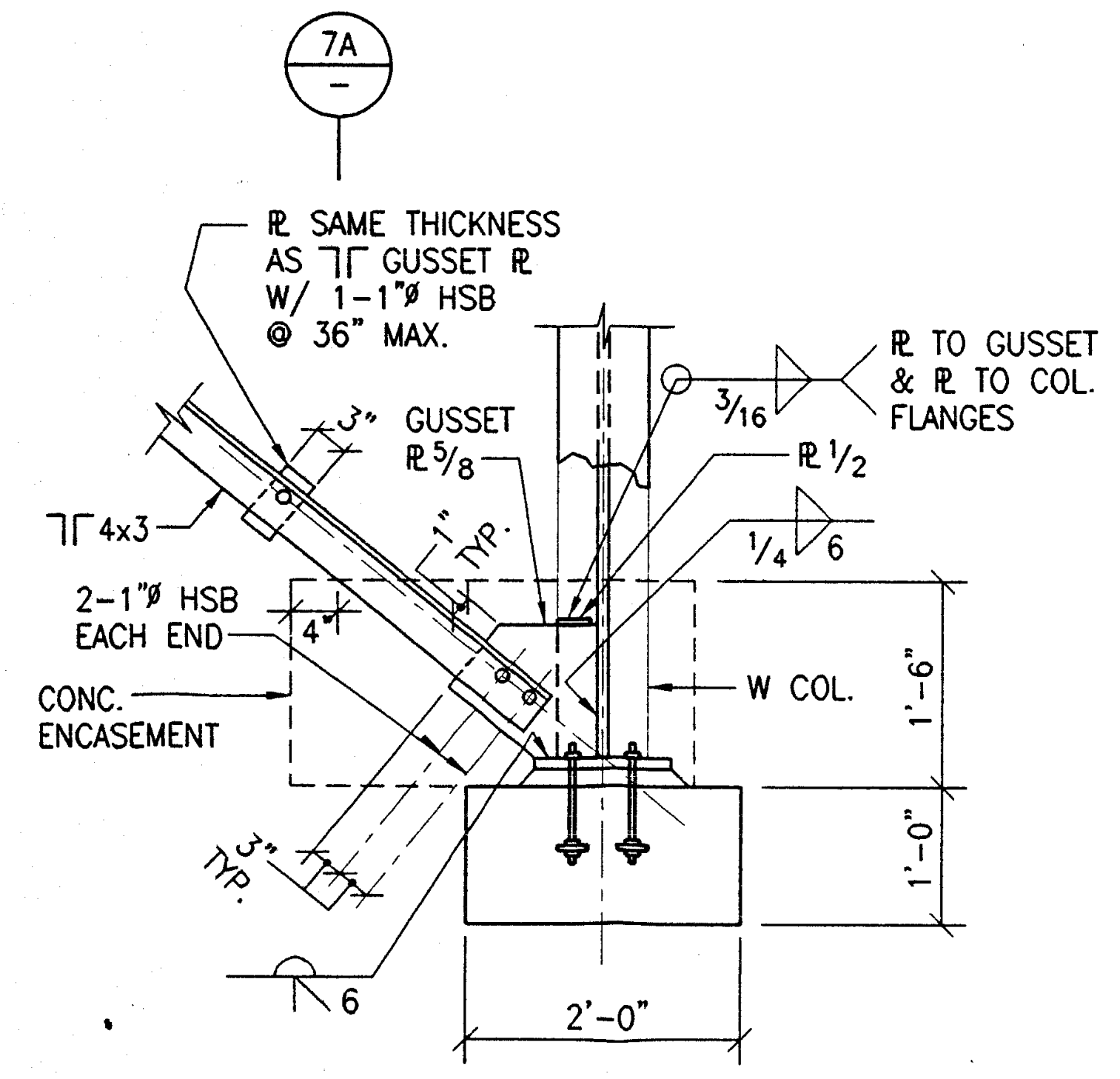

DETAIL ⑦
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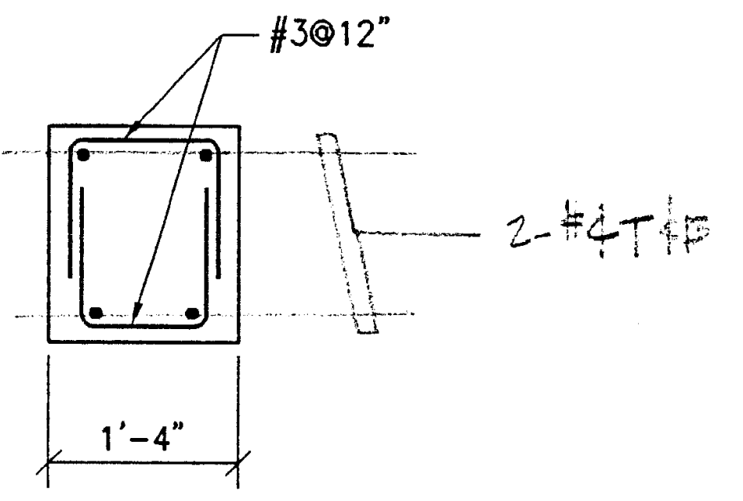

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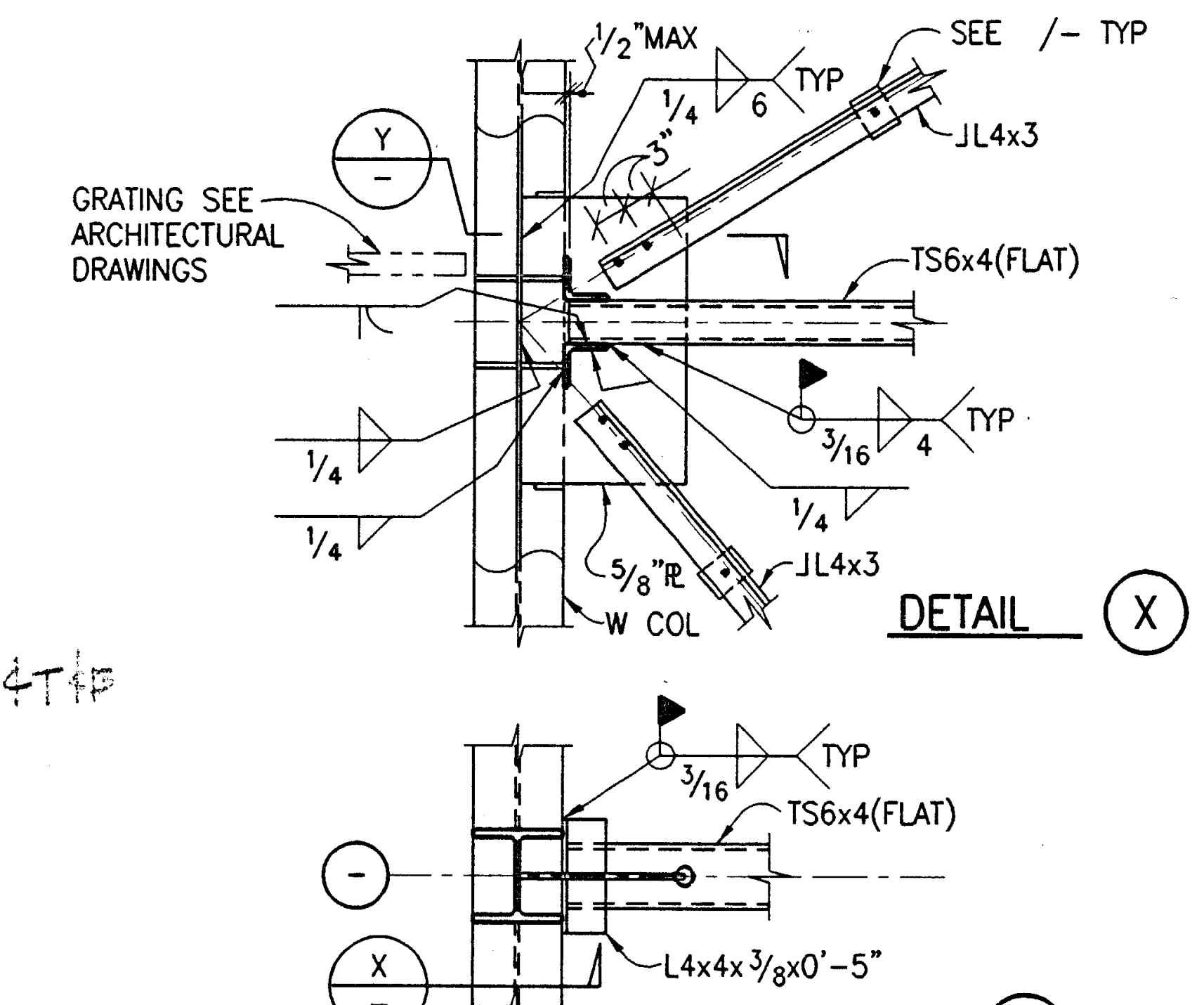
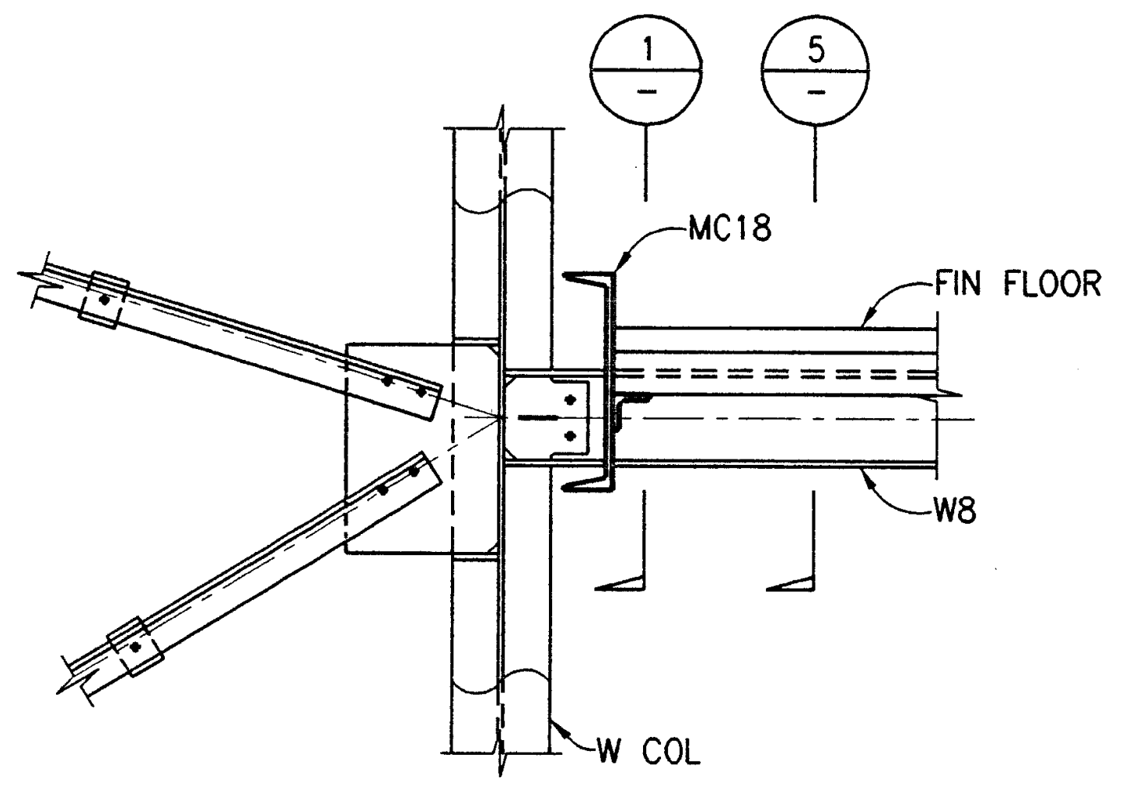


DETAIL Ⓧ

PLAN Ⓨ

DETAIL ⑧
3/4" = 1'-0"

NOTE:
FOR BALANCE OF
INFO SEE 7/-



DETAIL ⑨
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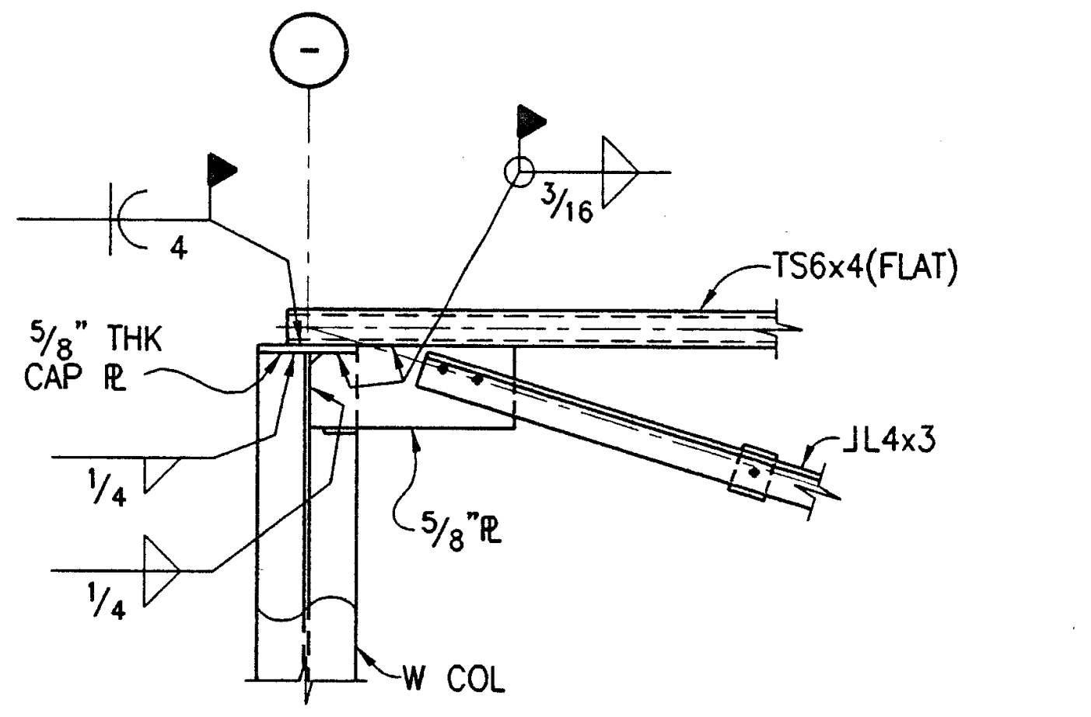
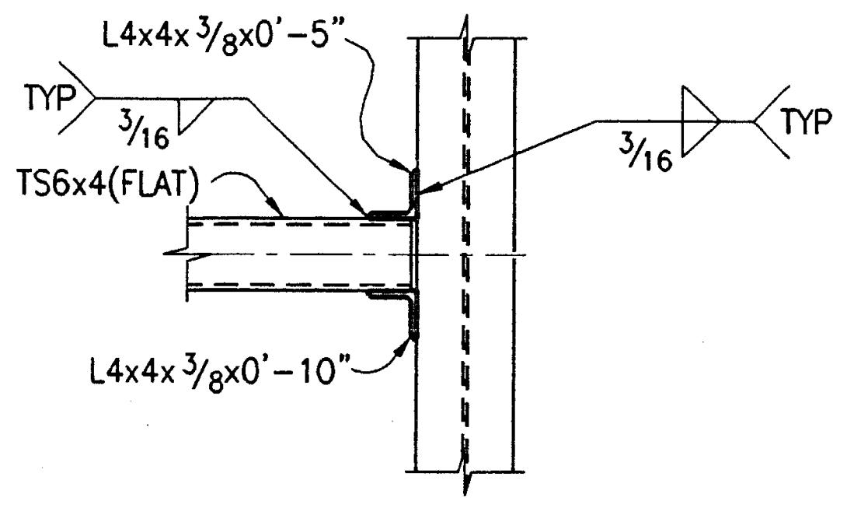


DETAIL ⑩
3/4" = 1'-0"

NOTE:
FOR BALANCE OF
INFO SEE 7/-



DETAIL ⑪
3/4" = 1'-0"

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SEAL

JOHN A. MARTIN JR.
No. 1958
EXP. 12/31/01

MORRIS R. POINDEXTER
C-13900
3-31-99
RENEWAL DATE

STRUCTURAL ENGINEERS
JOHN A. MARTIN
& ASSOCIATES, INC.
1212 SOUTH FLOWER STREET
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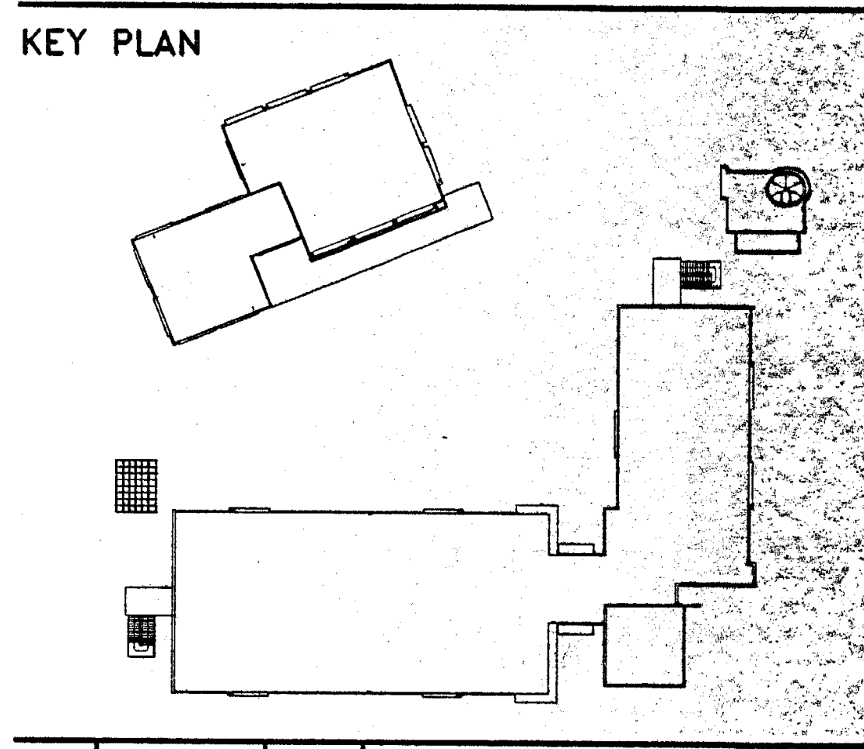
KEY PLAN



NO.	DATE	BY	REVISION

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HEALTH + SAFETY
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SHEET TITLE

DETAILS

IDENTIFICATION STAMP
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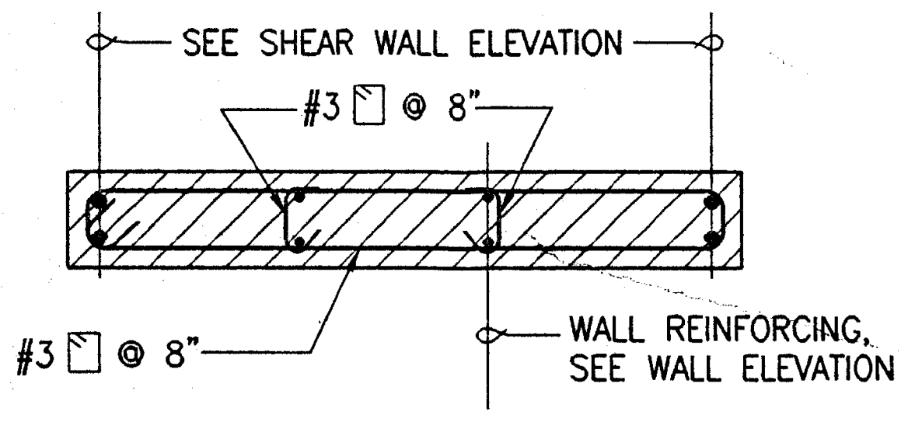
FILE: S601-552
SCALE 3/4"=1'-0"
JOB NO. JGM
DATE 07.14.97

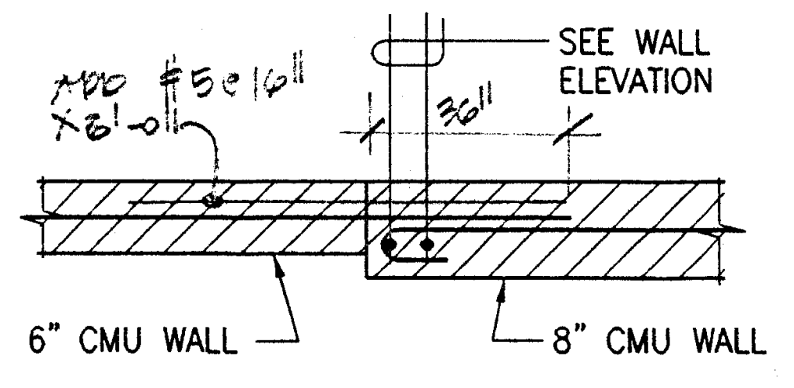
SHEET NO.
S7.2
OF____SHEETS

07/25/97 S702-552 S7.2 3/4"=1'-0" J8552
PLOT DATE: 07.11.97



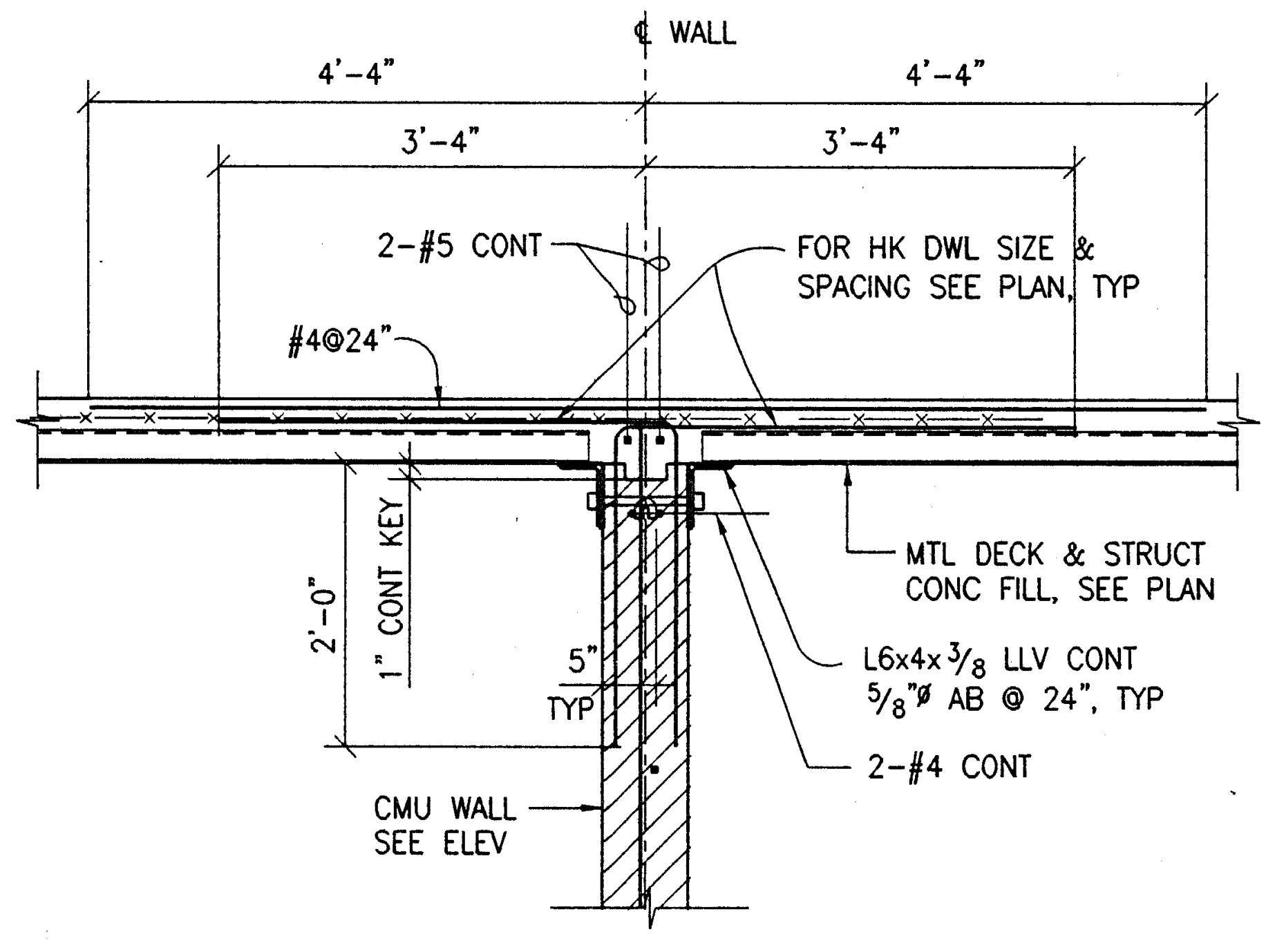
PLAN

DETAIL ①
3/4" = 1'-0"

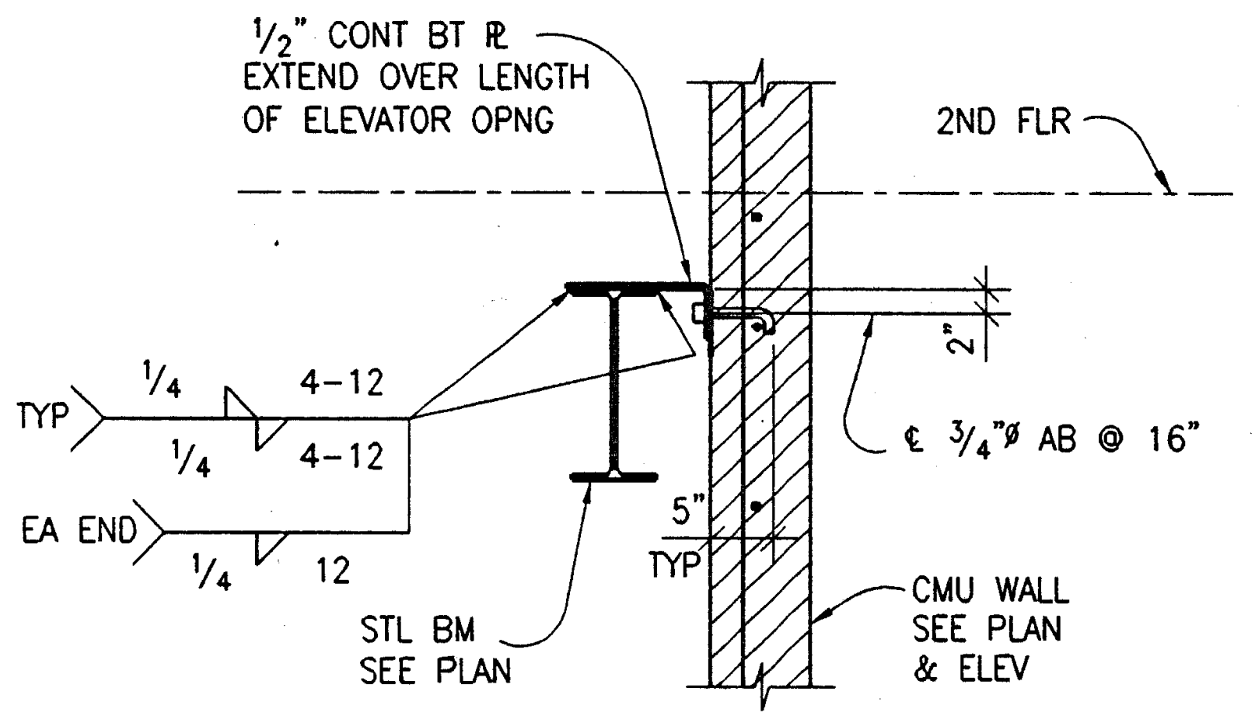


PLAN

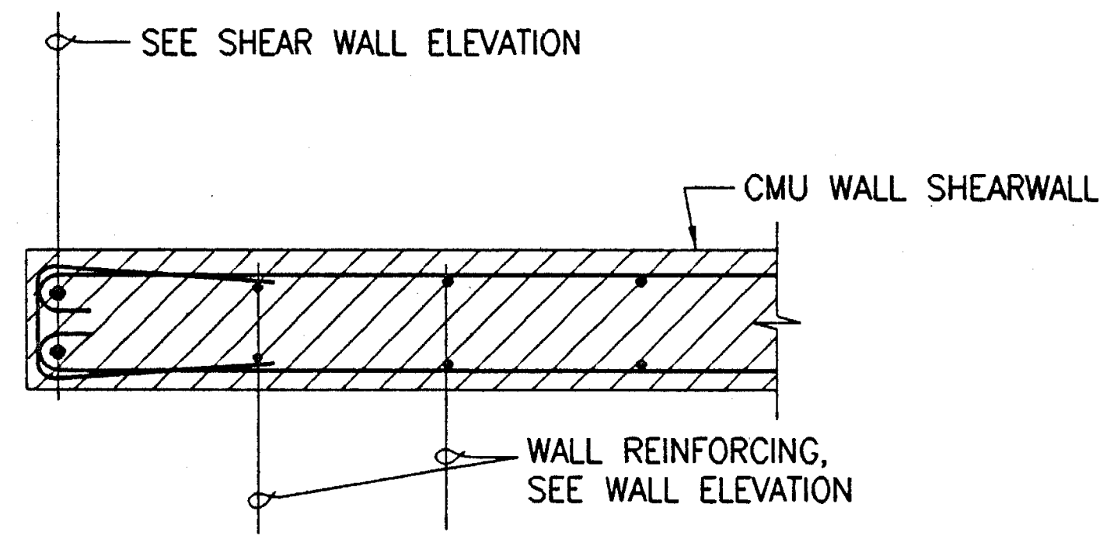
DETAIL ②
3/4" = 1'-0"



DETAIL ③
3/4" = 1'-0"

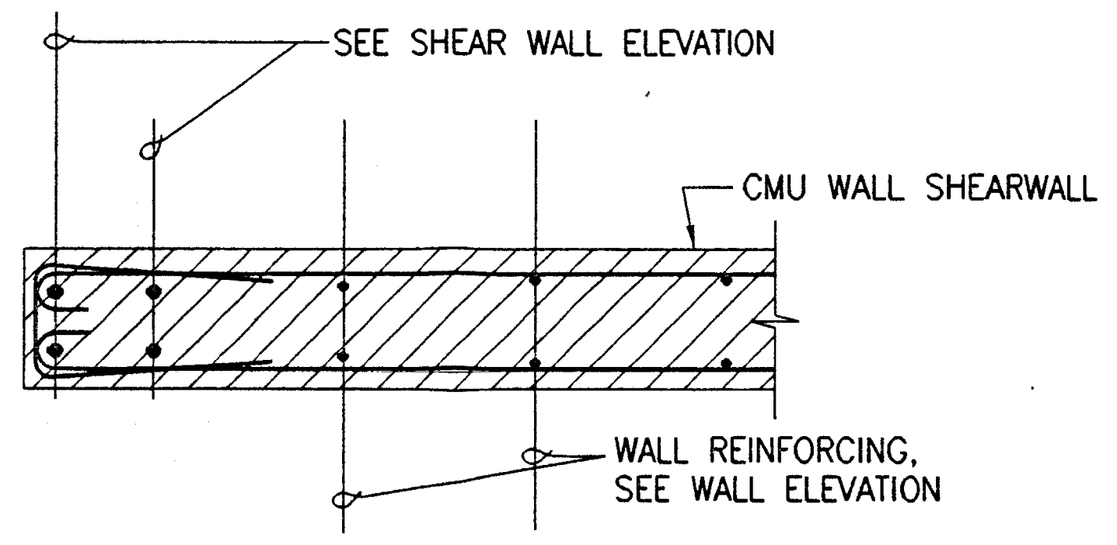


DETAIL ④
3/4" = 1'-0"



PLAN

DETAIL (1A)
3/4" = 1'-0"



PLAN

DETAIL (1B)
3/4" = 1'-0"

S703-552 S7.3 3/4"=1'-0" #8552
PLOT DATE: 07.11.97

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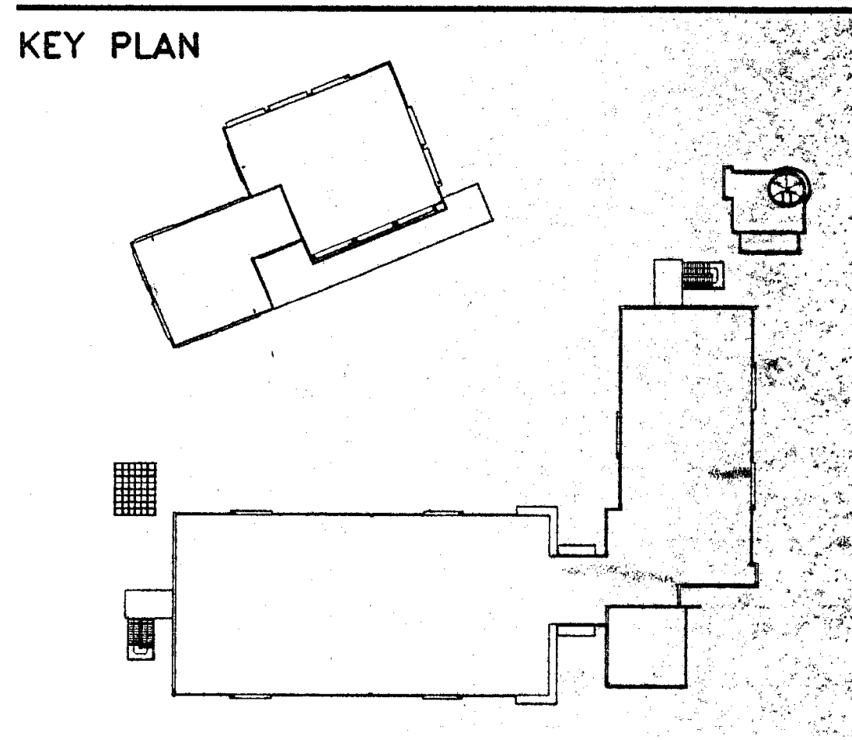
LOS ANGELES 90015 483-6490

KEY PLAN



NO.	DATE	BY	REVISION

PROJECT
HEALTH + SAFETY
MATH-SCIENCE BUILDING

PREPARED FOR
COMPTON COMMUNITY COLLEGE
1111 EAST ARTESIA BOULEVARD
COMPTON, CALIFORNIA

SHEET TITLE
DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL : 69120
AC ____ FLS ____ SS We lu
DATE 3-20-98

FILE: S703-552
SCALE 3/4"=1'-0"
JOB NO. JGM
DATE 07.14.97
SHEET NO.
S7.3
OF ____ SHEETS