

VALLEY-WEST SIDE POLICE COMMUNITY SUBSTATION ALBUQUERQUE, NEW MEXICO

CITY COUNCILLORS

PATRICK J. BACA
NADYNE BICKNELL
FRED BURNS
STEVE GALLEGO
VINCENT E. GRIEGO
FRAN J. HILL
THOMAS W. HOOVER
RICHARD MATHER
KEN SCHULTZ

ADMINISTRATION

HARRY E. KINNEY, MAYOR
BOB V. STOVER, CHIEF ADMINISTRATIVE OFFICER
E. L. HANSEN, CHIEF OF POLICE

DESIGN CRITERIA

SEISMIC ZONE	TWO (2)
CONSTRUCTION TYPE	UN
OCCUPANCY GROUP	B-2
ZONING	SU-1 (POLICE SUBSTATION)
SQUARE FOOTAGE	8,437 G.S.F.
PARKING SPACES REQUIRED	30
PARKING SPACES PROVIDED	75
HANDICAPPED SPACES REQUIRED	1
HANDICAPPED SPACES PROVIDED	1

LEGAL DESCRIPTION

LOT 18, ATRISCO BUSINESS PARK OF THE SUMMARY PLAT OF LOT-1 OF TRACT N AND O, UNIT 2 AS FILED FOR PUBLIC RECORD IN THE OFFICE OF THE BERNALILLO COUNTY CLERK ON AUGUST 18, 1989, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE PARCEL HEREIN DESCRIBED, BEING A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF "LOUDCROFT ROAD, NW (NOW KNOWN AS LOS VOLCANES ROAD, NW), BEING A POINT ON THE NORTHERLY BOUNDARY OF SAID LOT 1, LYING 20.03 FEET GENERALLY WEST OF THE NORTHEAST CORNER OF SAID LOT 1 ON THE WESTERLY BOUNDARY OF A 26 FOOT PUBLIC UTILITIES EASEMENT AS SHOWN AND DESIGNATED ON SAID LAND DIVISION PLAT; WHENCE, F.C., A TIE, THE NORTHEAST CORNER OF SAID LAND DIVISION PLAT BEARS 126° 05' 42" L, A DISTANCE OF 1255.64 FEET; THENCE,

S 11° 15' 00" W, 327.30 FEET ALONG SAID WESTERLY BOUNDARY OF SAID 26 FOOT EASEMENT; TO THE SOUTHEAST CORNER OF THE PARCEL HEREIN DESCRIBED, BEING ON THE SOUTHERLY BOUNDARY OF SAID LAND DIVISION PLAT; THENCE,

S 75° 03' 00" W, 89.65 FEET ALONG SAID SOUTHERLY BOUNDARY OF SAID LAND DIVISION PLAT TO THE SOUTHWEST CORNER OF THE PARCEL HEREIN DESCRIBED; THENCE,

N 14° 59' 00" W, 363.52 FEET TO THE NORTHWEST CORNER OF THE PARCEL HEREIN DESCRIBED, A POINT ON CURVE (POC) ON SAID SOUTHERLY RIGHT-OF-WAY LINE OF LOS VOLCANES ROAD, NW; THENCE,

EASTERLY, 226.47 FEET ALONG THE ARC OF A CURVE TO THE RIGHT (SAID ARC HAVING A "RADIUS" OF 922.93 FEET, A CENTRAL ANGLE OF 14° 02' 04" AND A CHORD WHICH BEARS S 38° 55' 02" E, A DISTANCE OF 225.51 FEET) ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE TO A POINT OF TANGENCY (PT); THENCE,

S 81° 54' 00" E, 79.11 FEET CONTINUING ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE TO THE NORTHEAST CORNER AND POINT OF BEGINNING OF THE PARCEL HEREIN DESCRIBED.

THE ABOVE DELINEATED PARCEL OF LAND CONTAINS 1.3100 ACRES, MORE OR LESS.

SOILS REPORT

SOILS AND FOUNDATION INVESTIGATION REPORT PREPARED BY SERGET, HAUSKINS AND RECKWITZ CONSULTING GEOTECHNICAL ENGINEERS, 4700 LINCOLN ROAD, NE, ALBUQUERQUE, NEW MEXICO. REPORT NO. EBS-1012 DATED MARCH 5, 1985. COPIES OF REPORT ARE AVAILABLE FOR REVIEW AT THE OFFICE OF THE ARCHITECT.

OWNERSHIP OF DOCUMENTS

DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. WHATEVER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, THEY ARE NOT TO BE USED BY THE OWNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT.

CONSULTANTS

CIVIL/STRUCTURAL CHAVEZ/GRUBBS CONSULTING ENGINEERS, INC.
ALBUQUERQUE, NEW MEXICO
MECHANICAL ALLISON ENGINEERING
ALBUQUERQUE, NEW MEXICO
ELECTRICAL ALLIED ENGINEERING
ALBUQUERQUE, NEW MEXICO

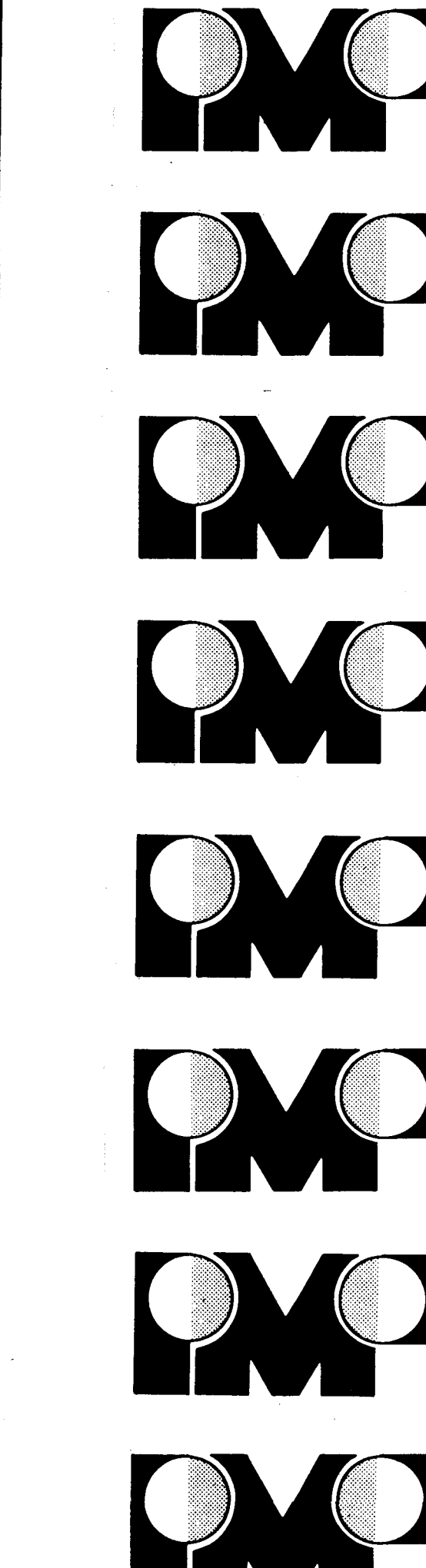
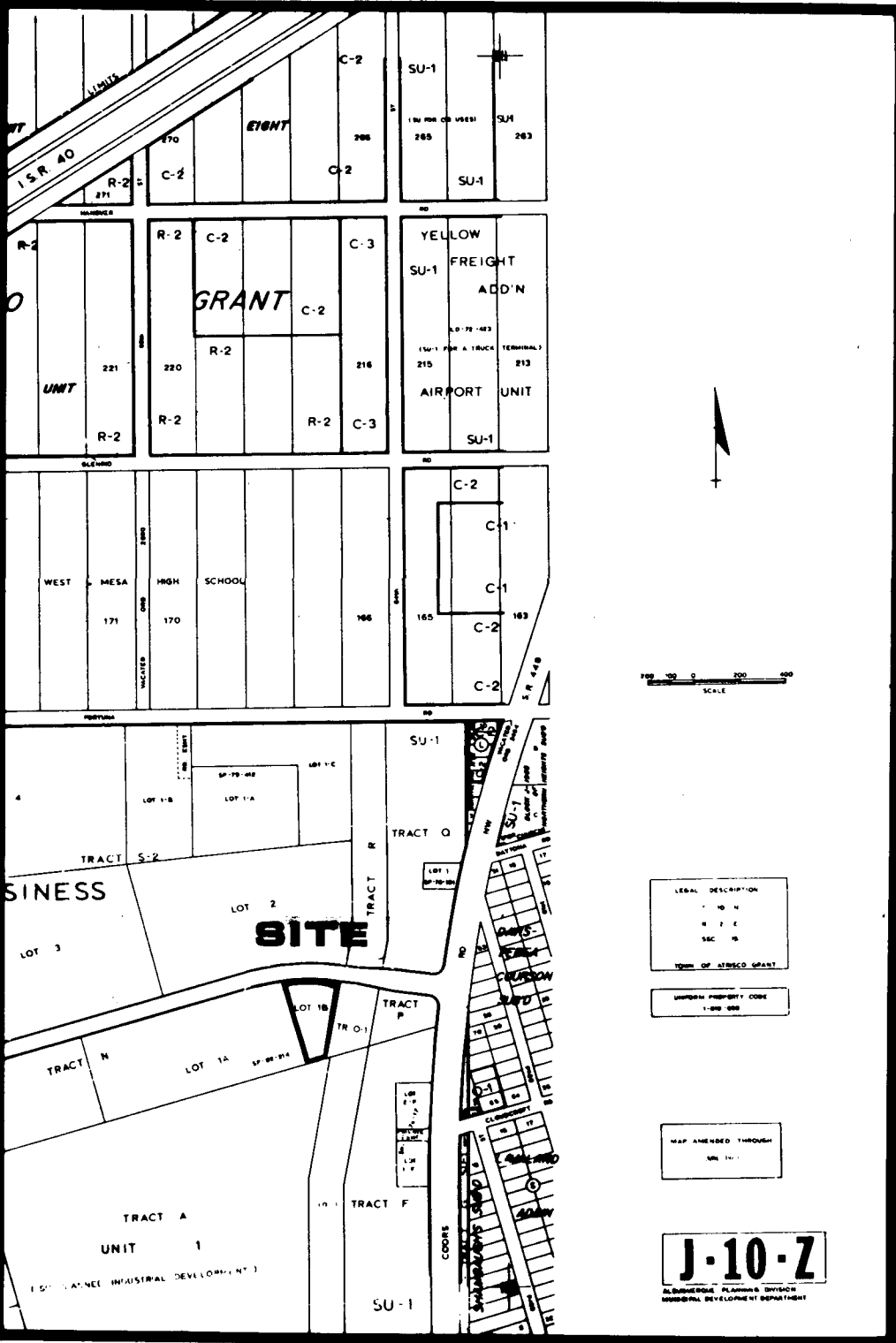
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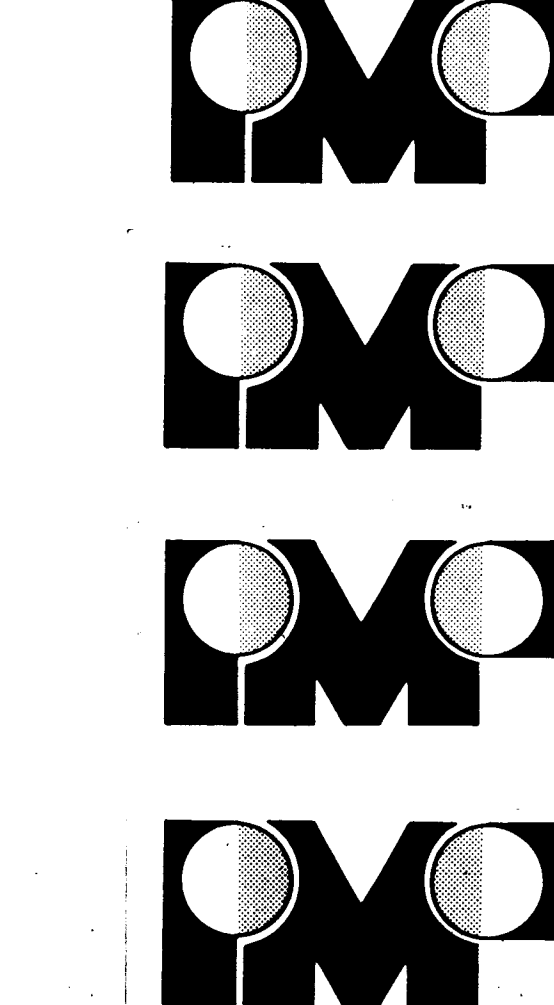
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ALBUQUERQUE POLICE DEPARTMENT
CITY ENGINEERING
CITY PROJECT NO. 2192
5-23-85
5/24/85

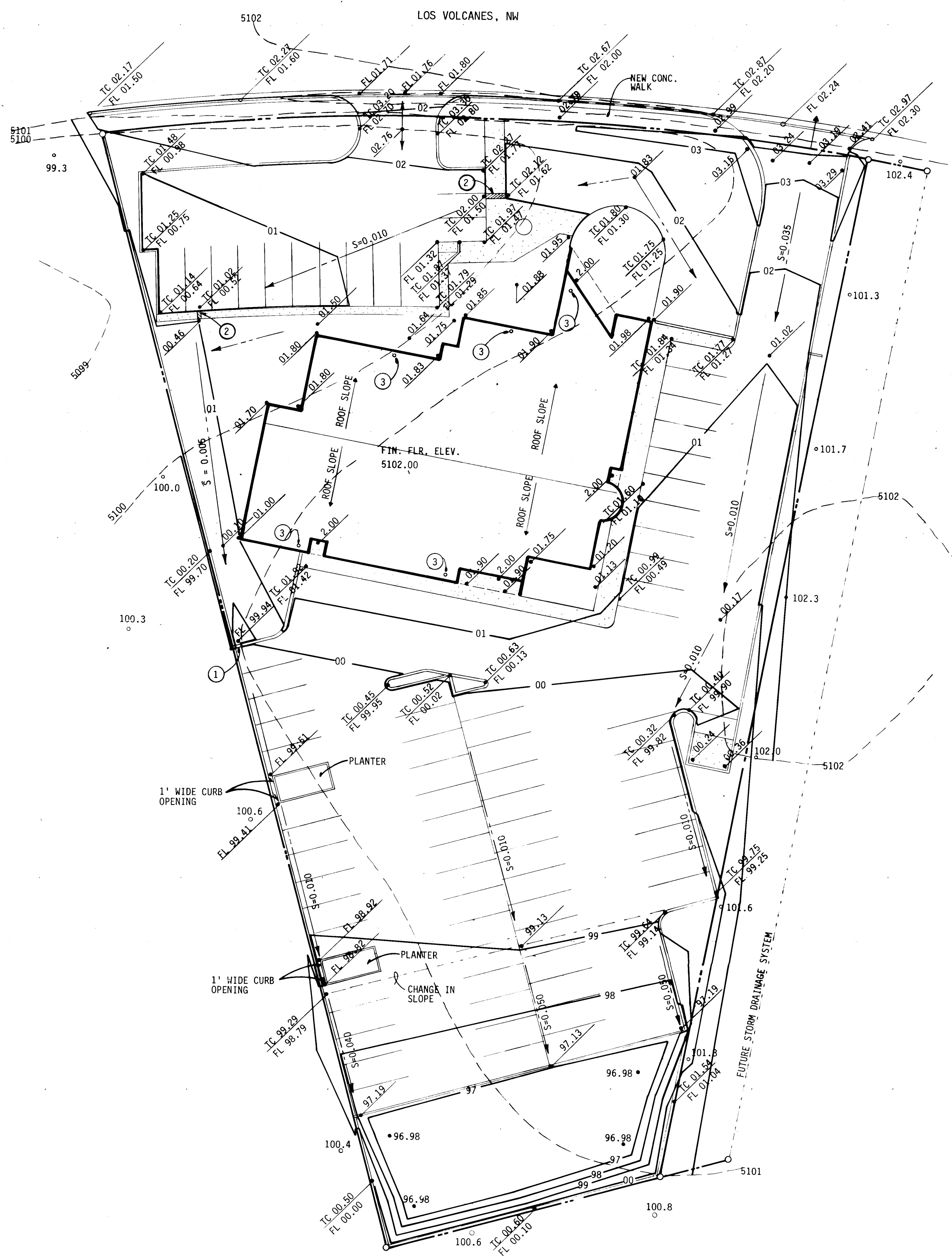
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AS-BUILT DRAWINGS (MAY 1986)

VICINITY MAP



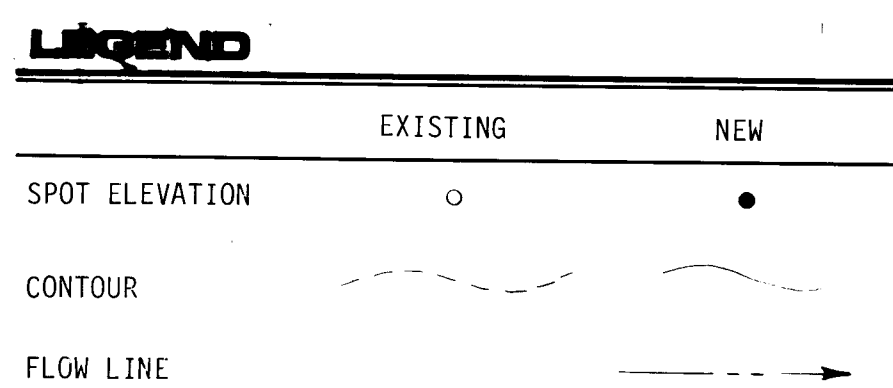
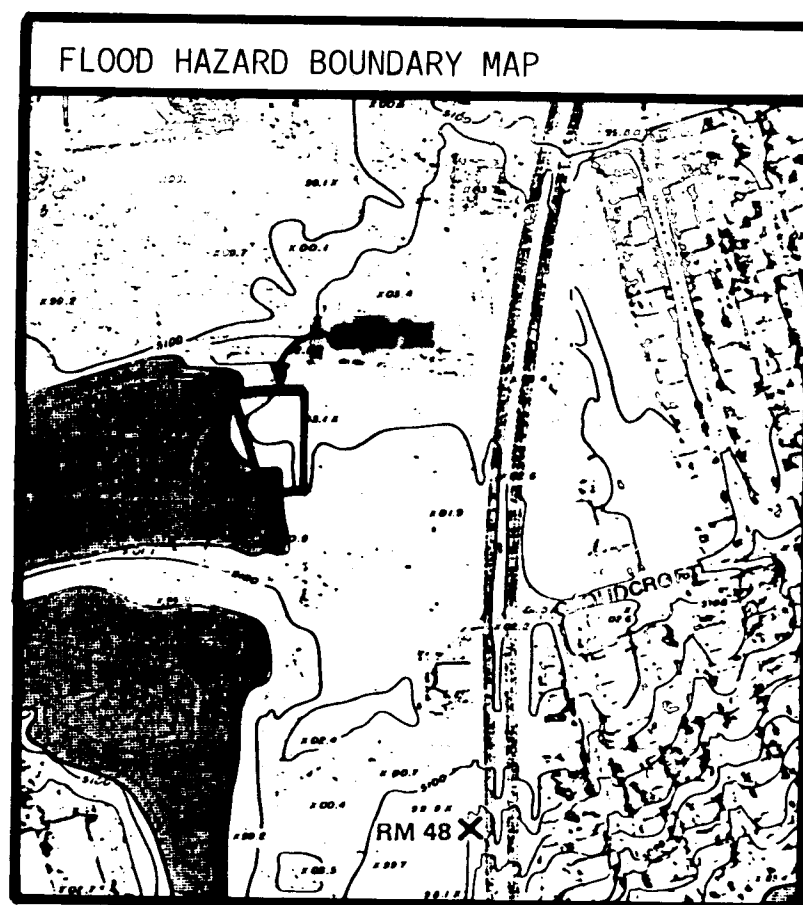
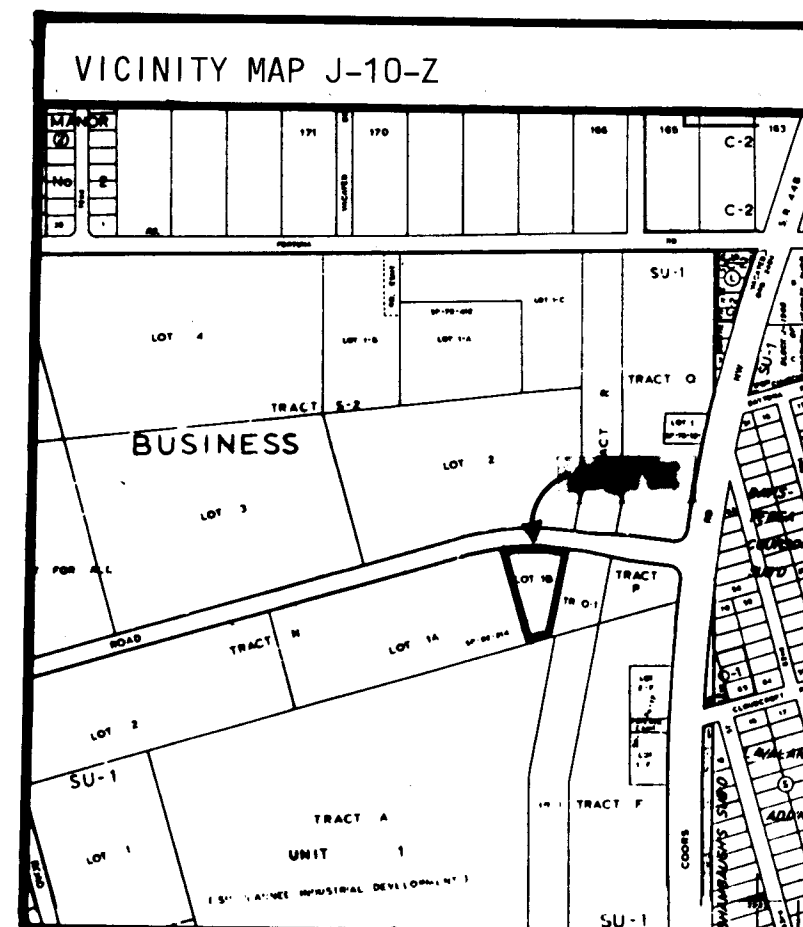
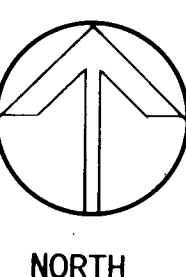
PAT McMURRAY, ARCHITECT P.A.
TELEPHONE (505) 883-3906
3901 GEORGIA, N.E. SUITE 1
ALBUQUERQUE, N.M. 87110





DRAINAGE PLAN

1" = 20'-0"



DRAINAGE PLAN:

THE STUDY SITE IS LOCATED IN ATRISCO BUSINESS PARK ON THE SOUTH SIDE OF LOS VOLCANES ROAD BETWEEN COORS ROAD AND AIRPORT ROAD, NW, TRACT N, LOT 18, CONTAINING APPROXIMATELY 1.3100 ACRES. THE SITE IS PRESENTLY 100% UNDEVELOPED AND SLOPES FROM SOUTHEAST TO NORTHWEST WITH AN AVERAGE SLOPE OF 1.4 PERCENT. FLOWS FROM THE SITE DISCHARGE DIRECTLY TO THE LAND WEST WHERE PONDING OCCURS.

A MASTER DRAINAGE PLAN FOR THE ATRISCO BUSINESS PARK IS BEING PREPARED. THE PROPOSED PLAN REQUIRES INTERIM RETENTION PONDING FOR 100% OF THE 100-YEAR, SIX-HOUR STORM VOLUME. FUTURE DEVELOPMENT OF THE PARK WILL PROVIDE A STORM DRAIN ADJACENT TO THE EAST PROPERTY LINE. THIS WILL ALLOW FREE DISCHARGE OF THE FULLY DEVELOPED FLOWS FROM THE SITE. CONNECTION TO THE FUTURE STORM DRAIN FACILITY WILL BE NEAR THE SOUTHEAST CORNER OF THE PROPOSED DEVELOPMENT AND ELIMINATE THE NEED FOR PONDING.

OFF-SITE FLOWS HAVE NO IMPACT ON THE PROPOSED DEVELOPMENT. FLOWS NORTH, SOUTH, EAST, AND WEST ARE PREVENTED FROM CONTRIBUTING FLOWS TO THE SITE BY EXISTING GRADES. ALL ON-SITE FLOWS WILL BE DIVERTED AROUND THE PROPOSED BUILDING AND BE TRANSPORTED TO THE POND AT THE SOUTH END OF THE SITE. THE POND WILL HOLD 100% OF THE 100-YEAR, 6-HOUR STORM. IN THE FUTURE, THIS POND WILL BE REQUIRED TO DISCHARGE INTO THE DRAINAGE SYSTEM THAT IS PRESENTLY UNDER INVESTIGATION.

CALCULATIONS:

SOIL SERIES = MNA
HYDROLOGIC SOIL GROUP = B
A = 1.3100 ACRES
RAINFALL = 2.2 IN.
TC = 10 MIN. 1 = 2.2 IN./HR.
I = (2.2)(2.2) = 4.84 IN./HR.

EXISTING ON-SITE CONDITION:

0% IMPERVIOUS
C = 0.34; CN = 80
DIRECT RUNOFF = 0.7 IN.
Q(100) = (0.34)(4.84)(1.31) = 2.16 CFS
Q(10) = (2.16)(0.657) = 1.42 CFS
V(100) = (0.7)(1.31)(43560)/12 = 3329 CU. FT.
V(10) = (3329)(0.657) = 2187 CU. FT.

PROPOSED ON-SITE CONDITION:

83% IMPERVIOUS
C = 0.79; CN = 92
DIRECT RUNOFF = 1.4 IN.
Q(100) = (0.79)(4.84)(1.31) = 5.01 CFS
Q(10) = (5.01)(0.657) = 3.29 CFS
V(100) = (1.4)(1.31)(43560)/12 = 6657 CU. FT.
V(10) = (6657)(0.657) = 4374 CU. FT.
VOL. REQUIRED TO POND = 6657 CU. FT.

NOTICE TO CONTRACTOR:

1. NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1979 EDITION WILL BE REFERRED TO HEREON AS THE "STANDARD SPECIFICATION".
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH PUBLIC WORKS CONTRACT NO. 85-1.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL DURING THE CONSTRUCTION PHASE.

LEGAL DESCRIPTION:

LOT 18, ATRISCO BUSINESS PARK OF THE SUMMARY PLAT OF LOT-1 OF TRACT N AND O, UNIT 2 AS FILED FOR PUBLIC RECORD IN THE OFFICE OF THE BERNALILLO COUNTY CLERK ON AUGUST 18, 1982, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE PARCEL HEREIN DESCRIBED, BEING A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF CLOUDCROFT ROAD, NW (NOW KNOWN AS LOS VOLCANES ROAD, NW), BEING A POINT ON THE NORTHERLY BOUNDARY OF SAID LOT 1, LYING 20.03 FEET GENERALLY WEST OF THE NORTHEAST CORNER OF SAID LOT 1 ON THE WESTERLY BOUNDARY OF A 20 FOOT PUBLIC UTILITIES EASEMENT AS SHOWN AND DESIGNATED ON SAID LAND DIVISION PLAT; WHENCE, FOR A TIE, THE NORTHEAST CORNER OF SAID LAND DIVISION PLAT BEARS N26° 09' 42" L, A DISTANCE OF 1255.64 FEET; THENCE,

S 11° 15' 00" W, 327.30 FEET ALONG SAID WESTERLY BOUNDARY OF SAID 20 FOOT EASEMENT TO THE SOUTHEAST CORNER OF THE PARCEL HEREIN DESCRIBED, BEING ON THE SOUTHERLY BOUNDARY OF SAID LAND DIVISION PLAT; THENCE,

S 75° 01' 00" W, 89.68 FEET ALONG SAID SOUTHERLY BOUNDARY OF SAID LAND DIVISION PLAT TO THE SOUTHWEST CORNER OF THE PARCEL HEREIN DESCRIBED; THENCE,

N 14° 59' 00" W, 363.52 FEET TO THE NORTHWEST CORNER OF THE PARCEL HEREIN DESCRIBED, A POINT ON CURVE (POC) ON SAID SOUTHERLY RIGHT-OF-WAY LINE OF LOS VOLCANES ROAD, NW; THENCE,

EASTERLY, 226.07 FEET ALONG THE ARC OF A CURVE TO THE RIGHT (SAID ARC HAVING A RADIUS OF 922.93 FEET, A CENTRAL ANGLE OF 14° 02' 04" AND A CHORD WHICH BEARS S 88° 55' 02" E, A DISTANCE OF 225.51 FEET) ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE TO A POINT OF TANGENCY (PT); THENCE,

S 81° 54' 00" E, 19.19 FEET CONTINUING ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE TO THE NORTHEAST CORNER AND POINT OF BEGINNING OF THE PARCEL HEREIN DESCRIBED.

THE ABOVE DELINEATED PARCEL OF LAND CONTAINS 1.3100 ACRES, MORE OR LESS.

TEMPORARY BENCH MARK:

A 60 PENNEY NAIL IN THE EXPANSION JOINT OF CURB, ELEVATION (MSLD 1929) = 5102.94 AT THE NORTHEAST CORNER OF THE SITE.

NOTE:

TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN IS BASED ON A SURVEY PREPARED BY THE SURVEY SECTION OF MDO/ENGINEERING, JANUARY 25, 1985.

KEYED NOTES:

1. CURB CUT.
2. CONSTRUCT 12" SIDEWALK CULVERT AS PER CITY STANDARD DRAWING K-16-1.
3. ROOF DRAIN.

BENCH MARK:

ALBUQUERQUE CONTROL SURVEY VERTICAL DATUM:
NEW MEXICO 448-N2A, ELEVATION = 5100.13
SURVEY INFORMATION PROVIDED BY: SURVEY SECTION, MDO/ENGINEERING, JANUARY 25, 1985.

26 21920/860

2192

STATE OF NEW MEXICO
PAT
McMURRAY
No. 1032
ALBUQUERQUE, N.M.
REGISTERED ARCHITECT

ARCHITECT

ENGINEER

**VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO**

PROJECT NO.
8406

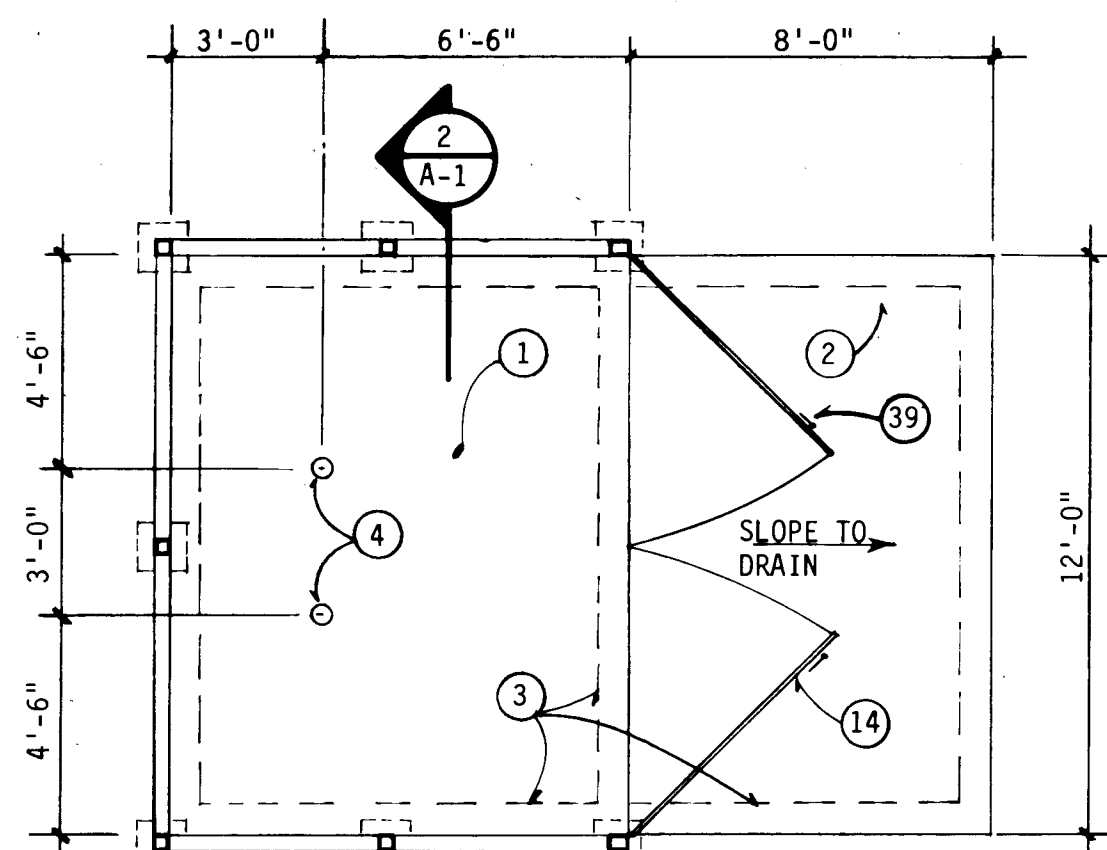
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REVISION

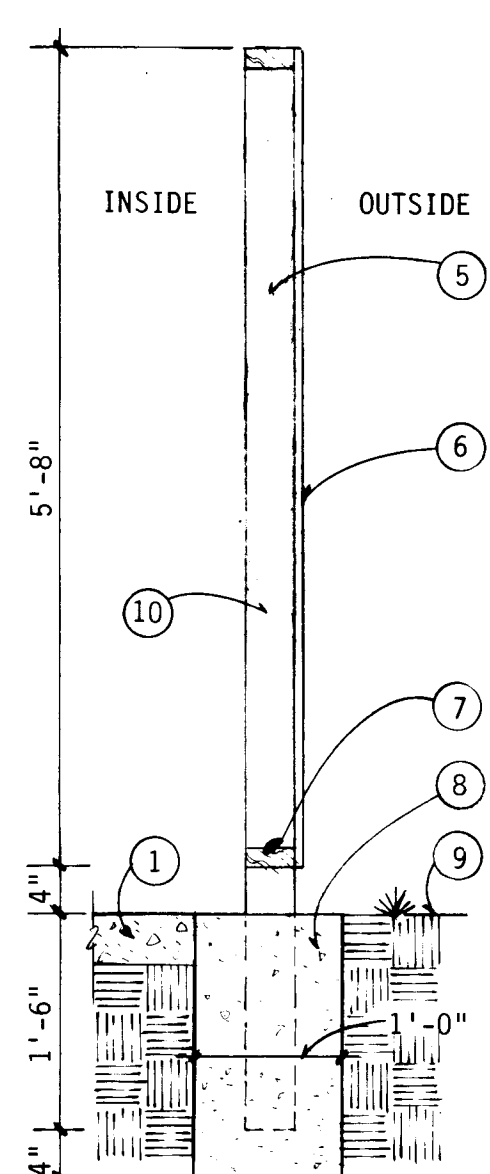
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C-1

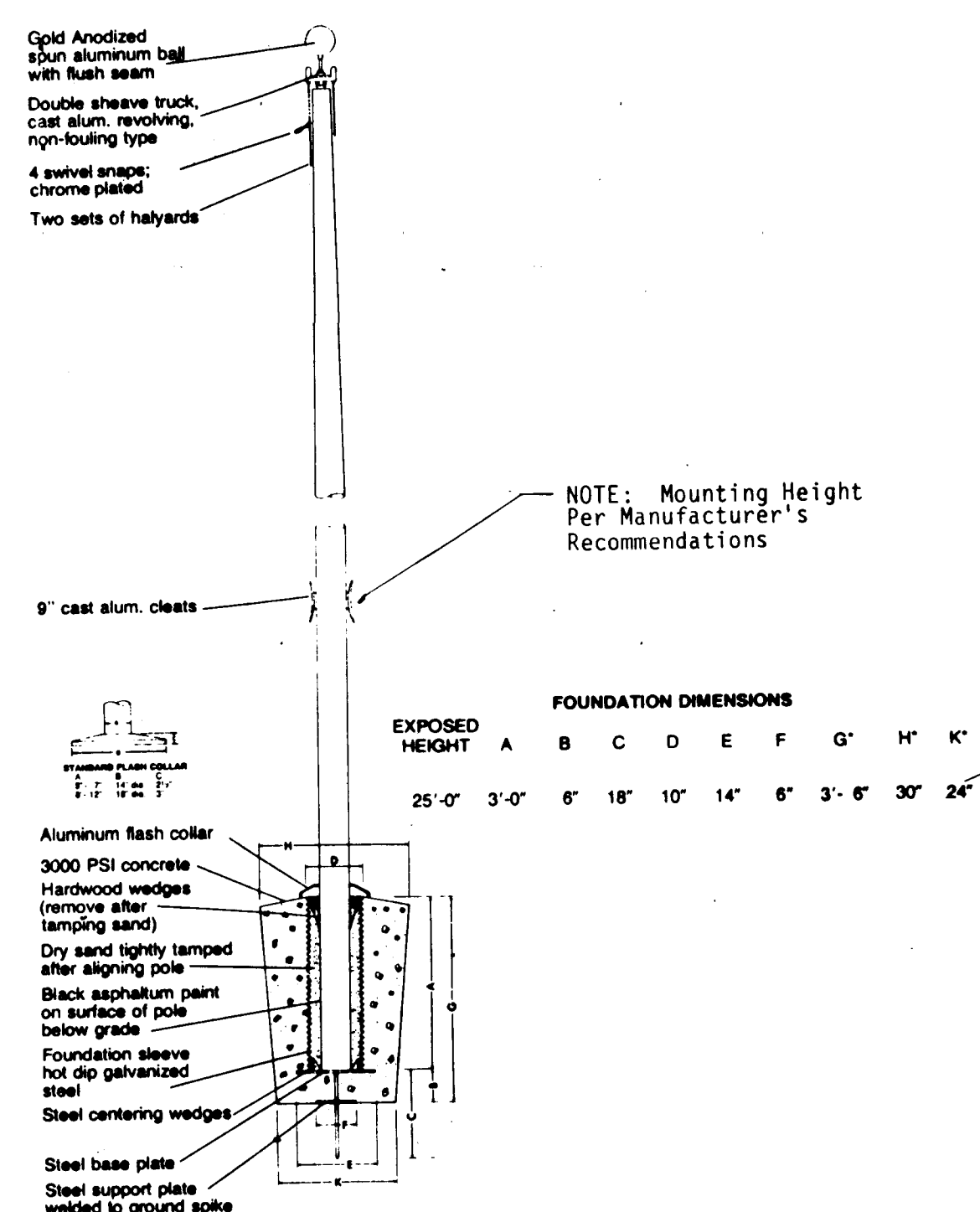
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1 TRASH ENCLOSURE
1/4" = 1'-0"

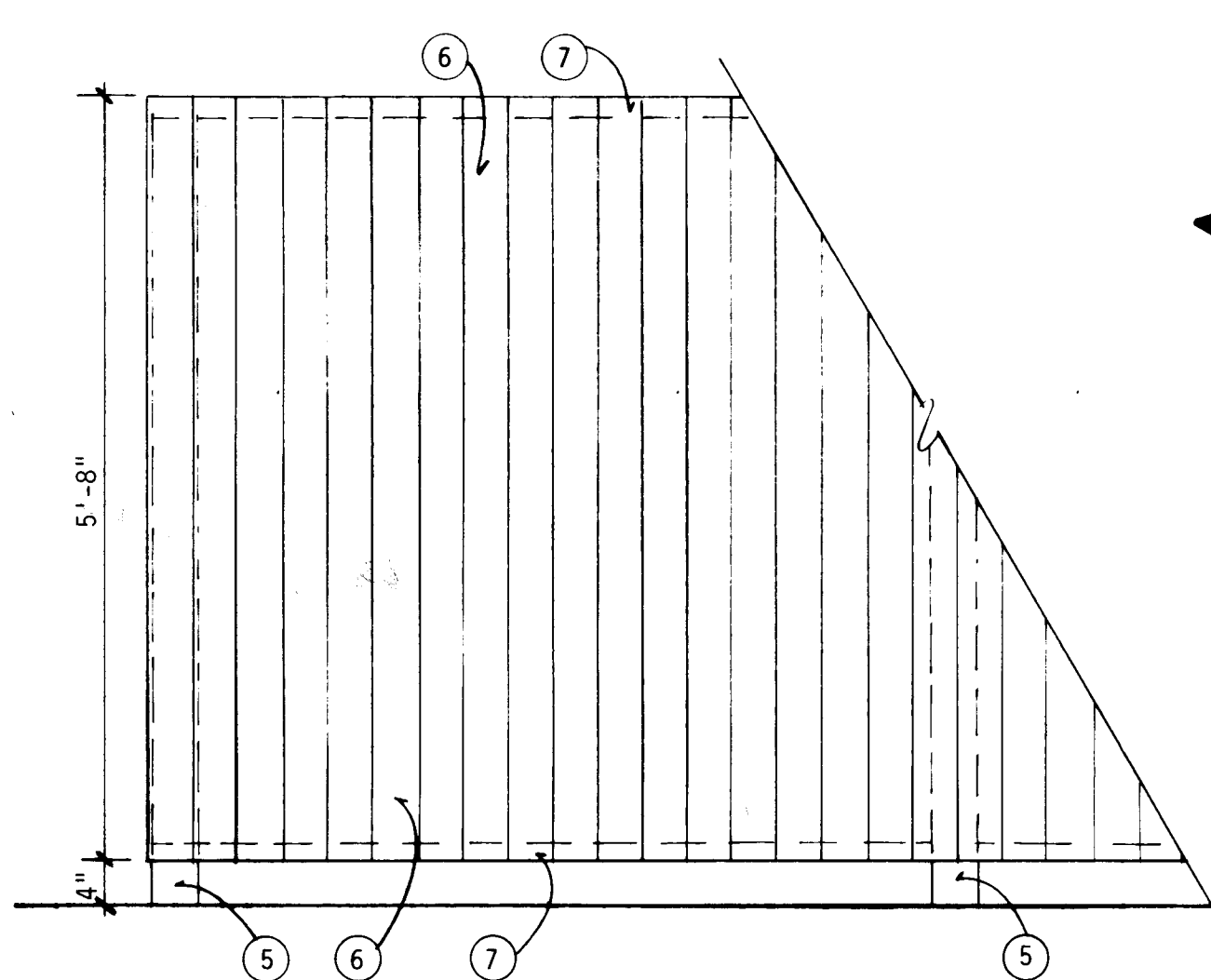


2 SCREEN WALL
3/4" = 1'-0"



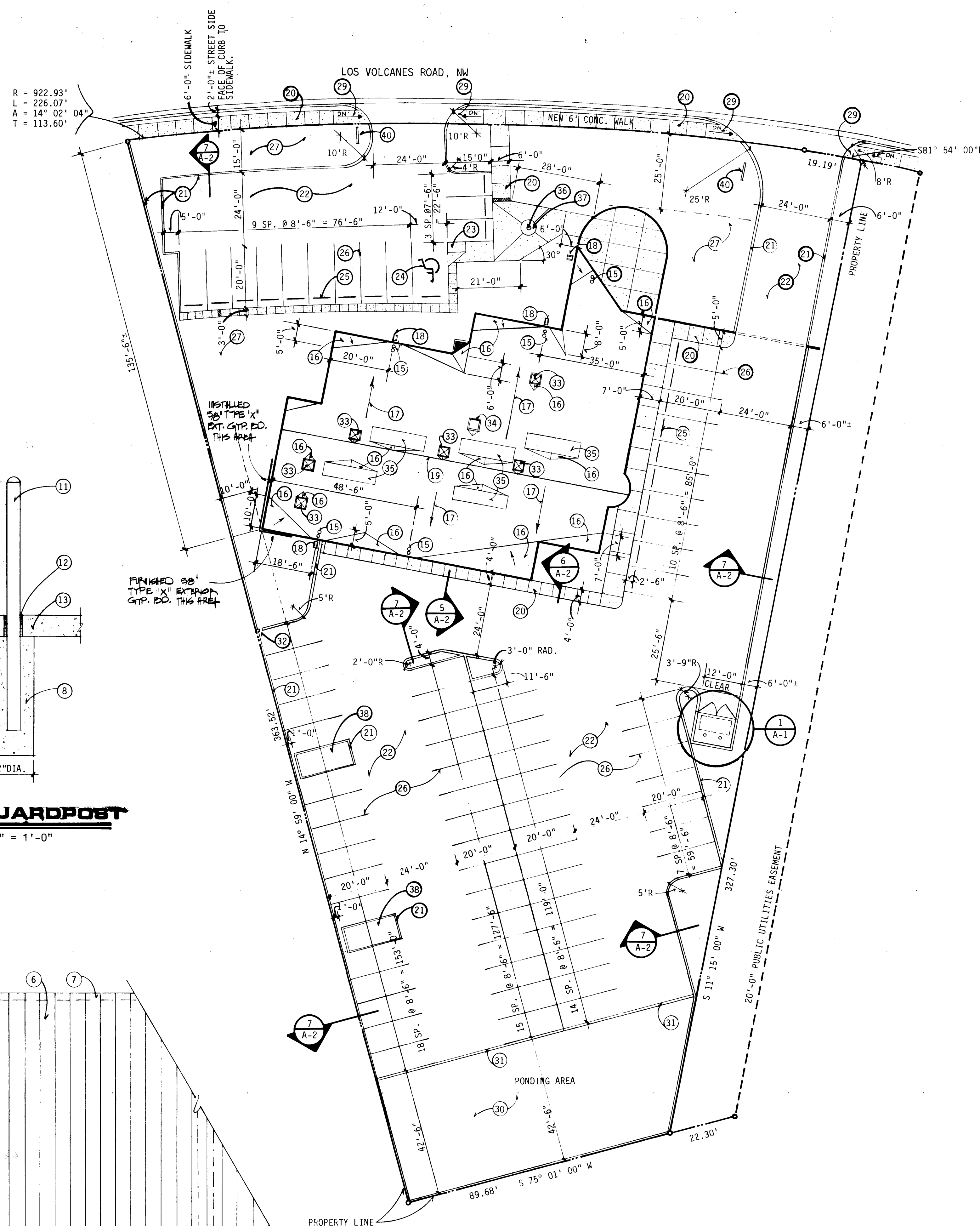
3 GUARDPOST
3/4" = 1'-0"

4 FLAGPOLE DETAIL
NO SCALE



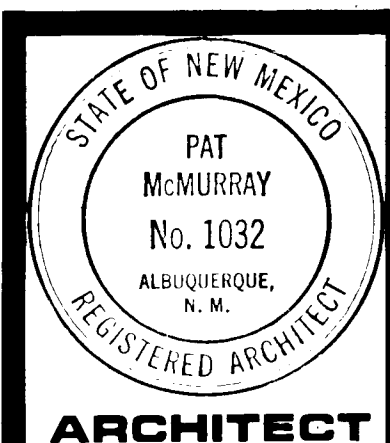
5 SCREEN WALL ELEVATION
3/4" = 1'-0"

SITE PLAN
1" = 20'-0"



KEYED NOTES

- 4" CONCRETE SLAB, 3000 PSI MIN., 3/4" DIA. MAX. AGGREGATE W/6"x6" 1.4 x 1.4 W.W.M., SLOPE 1/8" PER FOOT TO DRAIN.
- 6" CONCRETE SLAB, 3000 PSI MIN., 3/4" DIA. MAX. AGGREGATE W/6"x6" 1.4 x 1.4 W.W.M., SLOPE 1/8" PER FOOT TO DRAIN.
- LINE OF TURN DOWN EDGE BELOW.
- GUARDPOST, SEE DETAIL 3/A-1.
- 4" x 4" x 7'-6" CEDAR POSTS @ CORNERS WITH ONE POST BETWEEN CORNERS (TOTAL 7).
- 1 x 4 x 5'-8" CEDAR PLANKS - BUTT JOINED AND FASTEN W/NON-CORROSIVE NAILS.
- 2x4 CEDAR BAILS TOP & BOTTOM.
- CONCRETE FOOTING.
- FINISH GRADE.
- THIS DETAIL TYPICAL ALL THREE SIDES.
- 4" DIA. PAINTED STEEL PIPE FILLED W/CONCRETE FORM CAP AT TOP.
- 1" EXP. JT. MATERIAL.
- CONCRETE APRON.
- 1 x 4 x 5'-8" CEDAR PLANK GATE TO MATCH SCREEN WALL.
- ROOF DRAIN W/OVERFLOW DRAIN, SEE MECHANICAL.
- BUILT-UP CRICKET WITH TAPERED PERLITE, SLOPE MIN. 1" PER FOOT.
- DIRECTION OF ROOF SLOPE.
- PRE-CAST CONCRETE SPLASHBLOCK 1'-4" WIDE x 2'-0" LONG.
- RIDGE LINE.
- 4" CONCRETE SIDEWALK W/BROOM FINISH. SEE DETAIL 4/A-2, 5/A-2 & 6/A-2.
- 6" WIDE CONC. CURB, SEE DETAIL 7/A-2. PROVIDE EXP. JT. WHEN CURB IS ADJACENT TO BUILDING OR SIDEWALK.
- ASPHALT PAVING, SEE DETAIL 8/A-2 AND SPECS.
- HANDICAPPED RAMP, SEE DETAIL 3/A-2.
- HANDICAPPED SYMBOL, SEE DETAIL 1/A-2.
- PRE-CAST PARKING BUMPER, 6'-0" L x 3' W x 5'-3/4" H. ATTACH TO ASPHALT W/TWO PARKING PINS EACH BUMPER.
- 4" WIDE PARKING STALL LINES, PAINT WITH WHITE TRAFFIC MARKING PAINT.
- LANDSCAPED AREAS.
- EXP. JT. @ 14'-0" O.C. MAX. WITH SCORED JOINTS SPACED EQUAL TO WIDTH OF WALK, SEE DETAIL 4/A-2.
- HANDICAPPED RAMP, SEE DETAIL 2/A-2.
- PONDING AREA TO BE 3/4" DIA. GRAVEL COVERING.
- FLUSH CONC. HEADER CURB.
- CURB CUT, SEE DRAINAGE PLAN, SHEET C-1.
- SKYLIGHT.
- ROOF HATCH.
- MECHANICAL UNITS, SEE MECHANICAL.
- FLAGPOLE.
- FLAGPOLE WELL, TURN DOWN CONCRETE SIDEWALK ALL AROUND 5'-0" DIAMETER.
- PLANTER.
- CANE BOLT, ONE EACH DOOR, AS MANUF. BY STANLEY #1010-18". INSTALL IN STRICT ACCORDANCE W/MANUF. RECOMMENDATIONS.
- EXTERIOR SIGN, SEE SPECIFICATIONS, SECTION 1000 FOR REQUIREMENTS.



ARCHITECT

ENGINEER

**VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO**



PROJECT NO.

8406

DATE

APRIL, 1965

REVISION

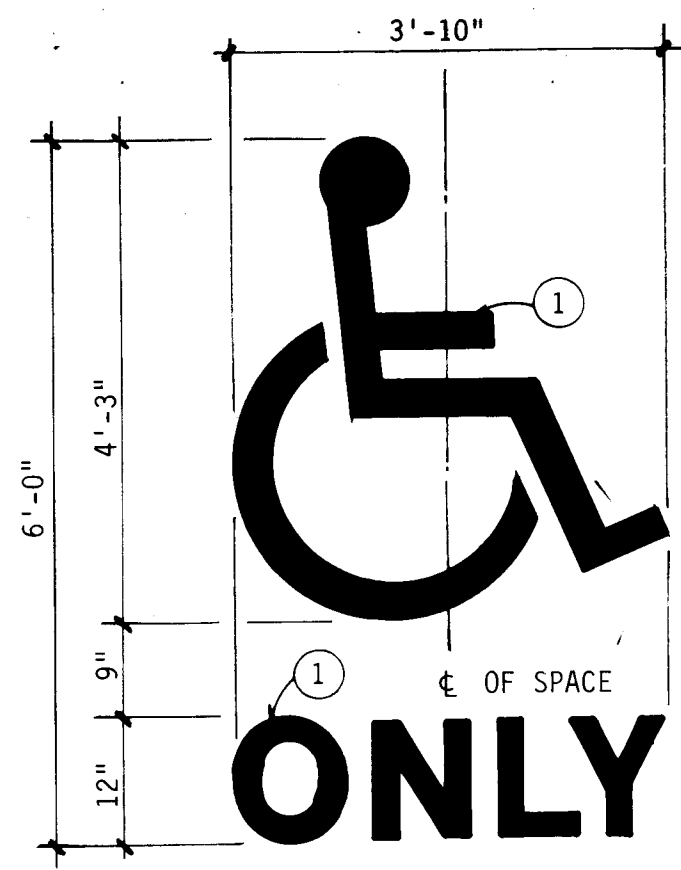
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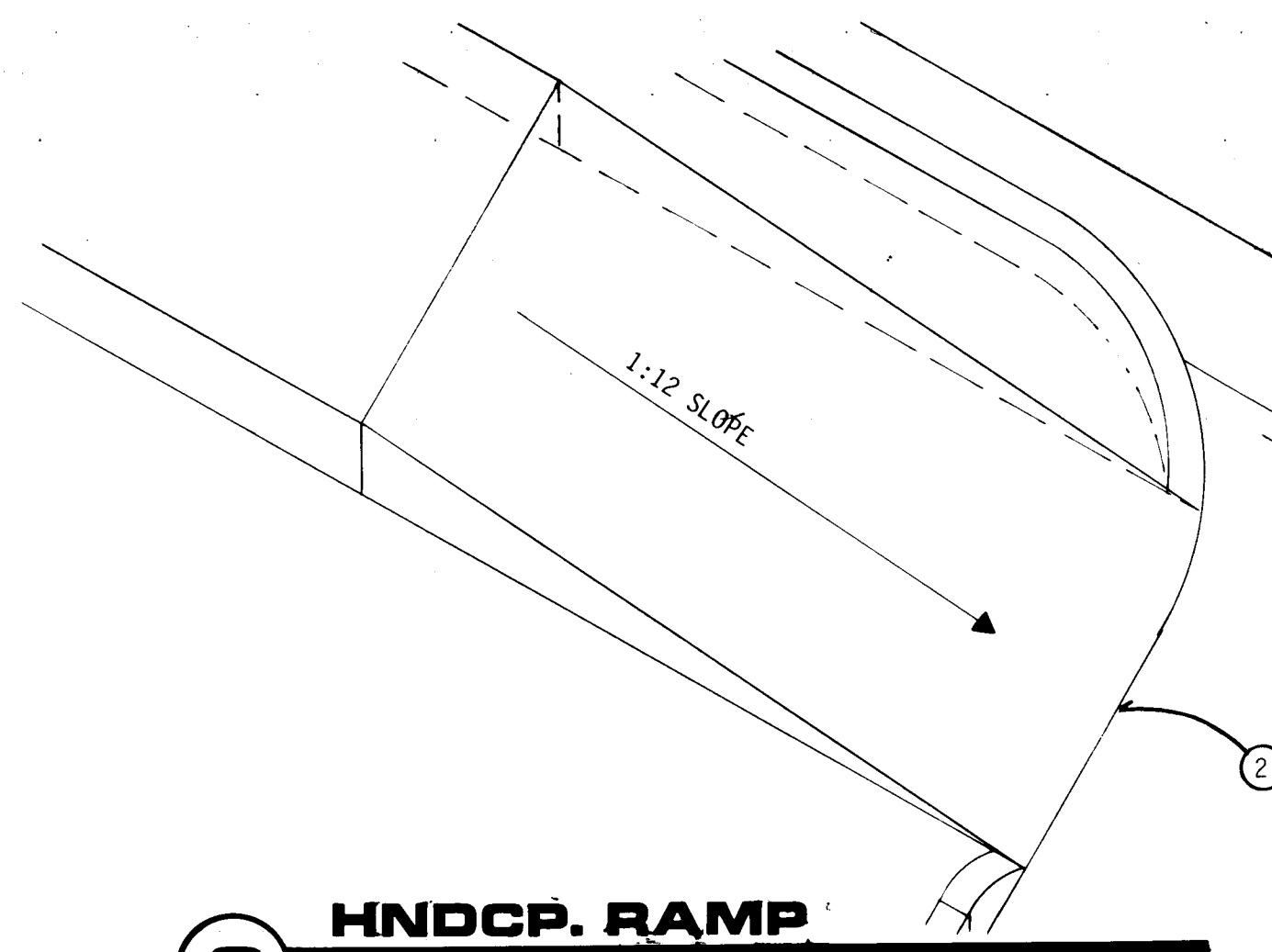
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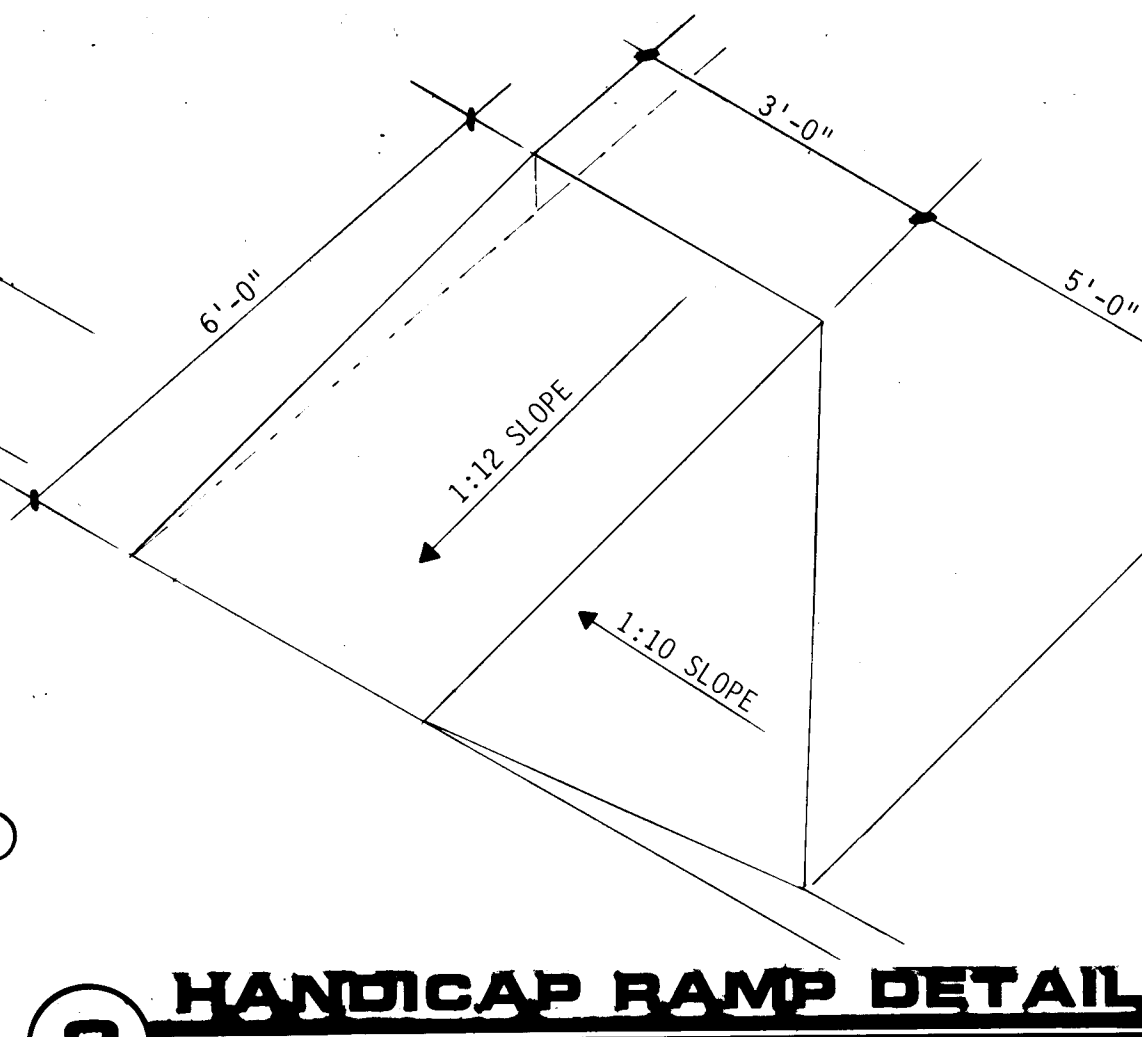
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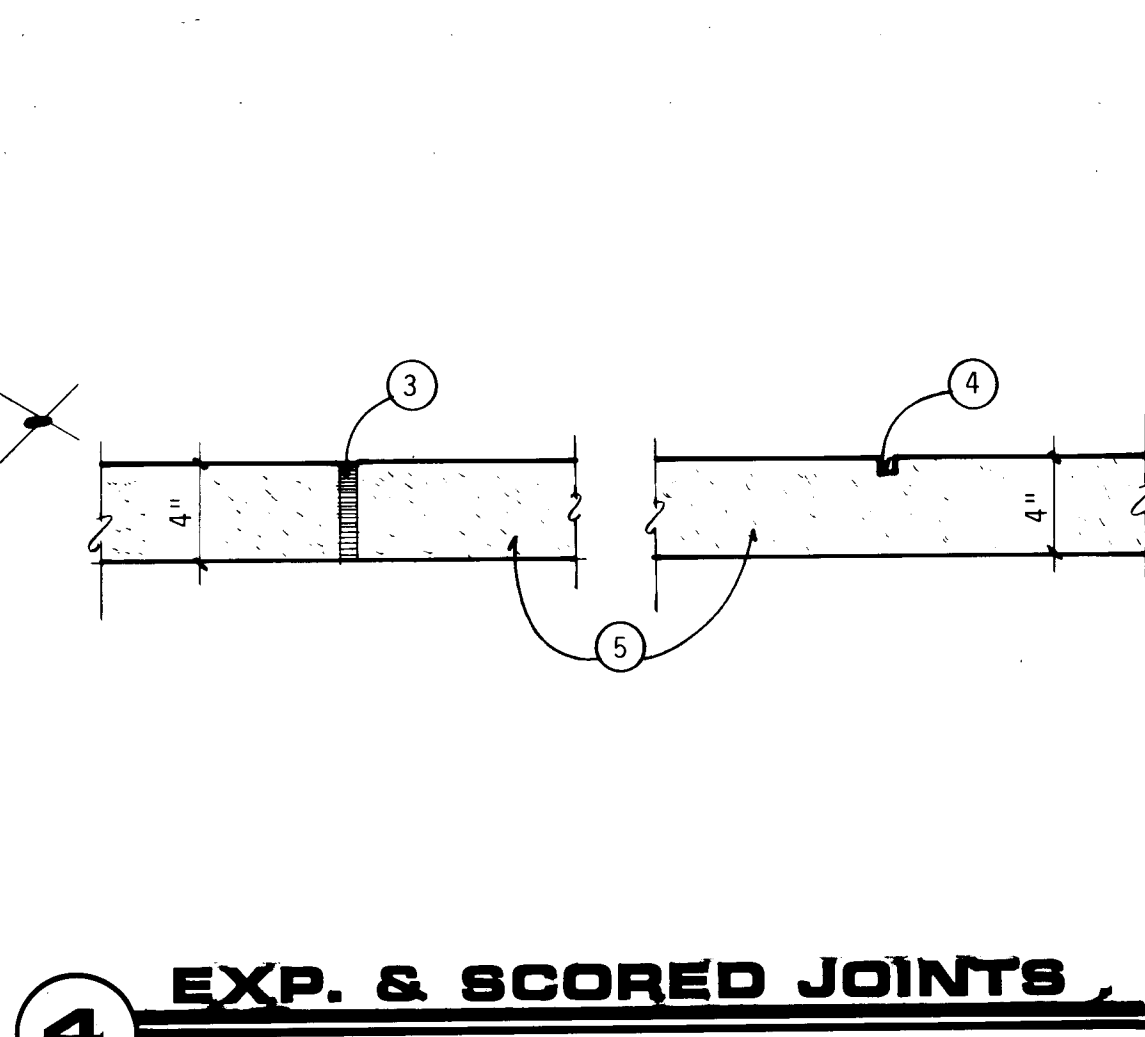
1 HANDICAP SYMBOL
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2 HANDICAP RAMP
NO SCALE



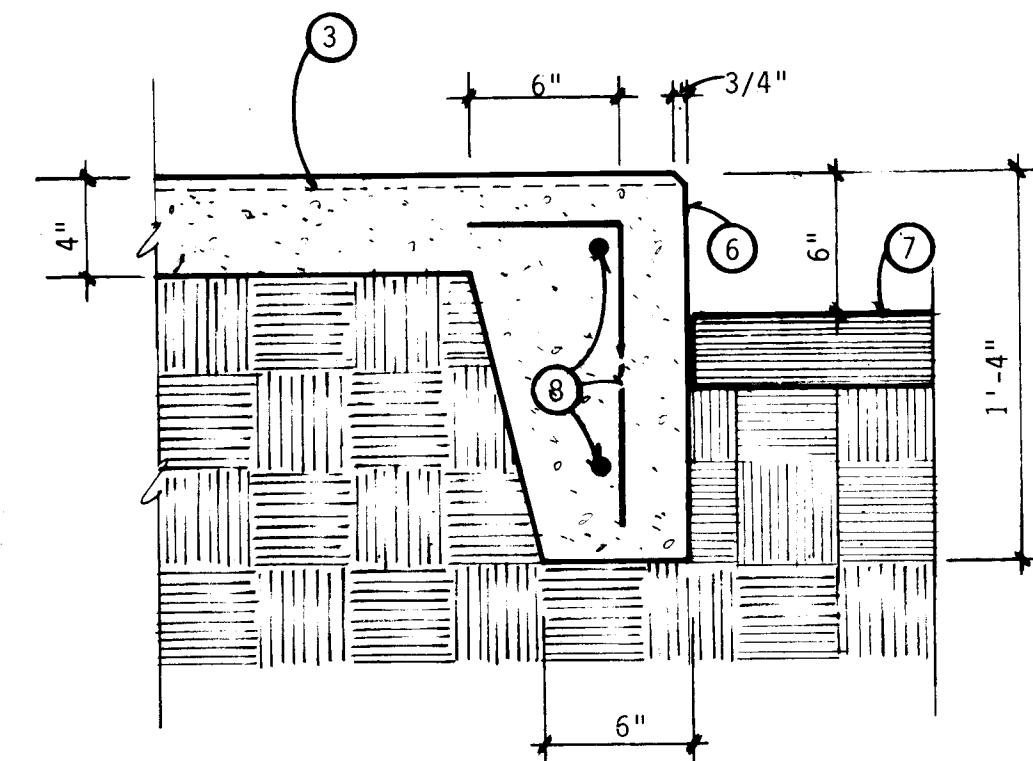
3 HANDICAP RAMP DETAIL
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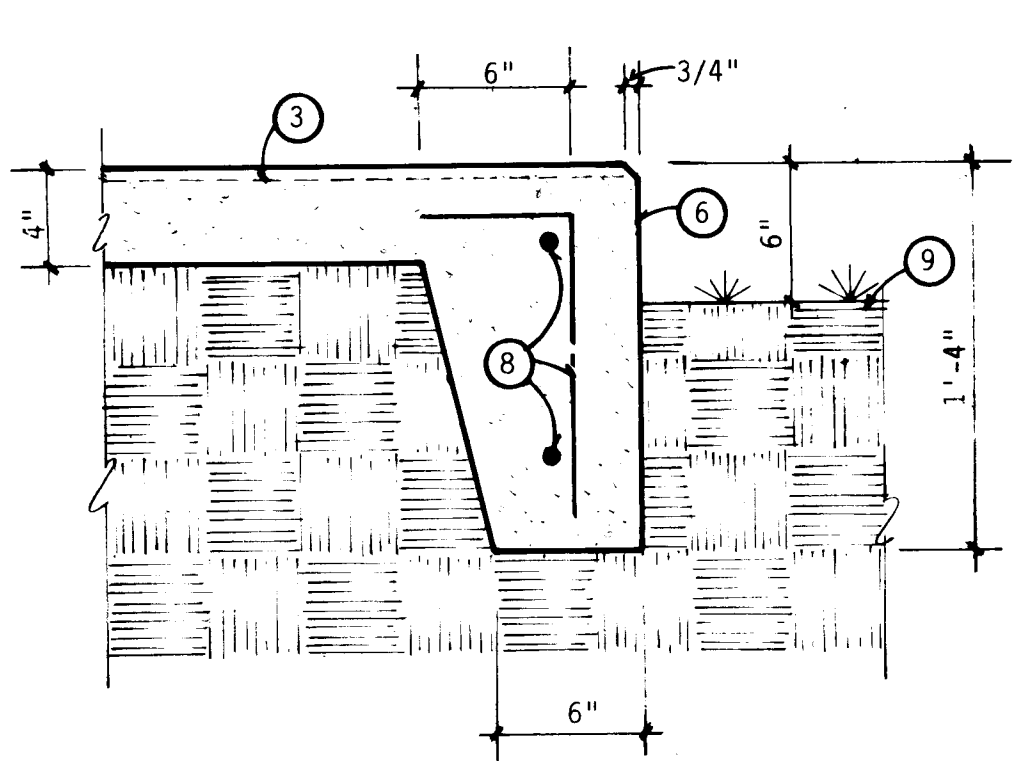
4 EXP. & SCORED JOINTS
1-1/2" = 1'-0"

KEYED NOTES

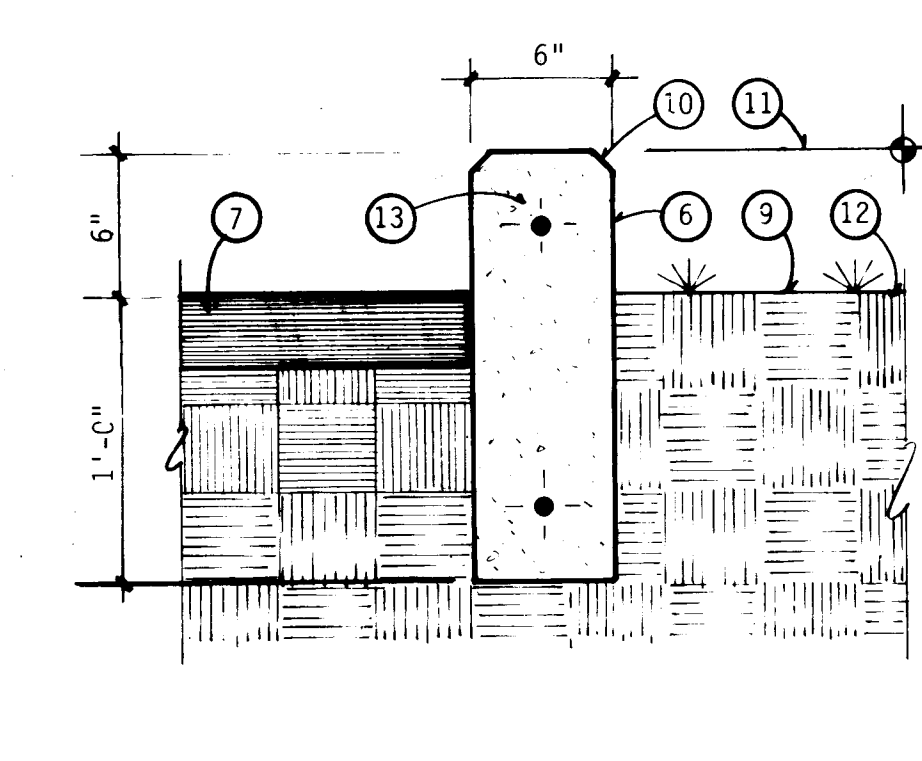
1. PAINT SYMBOL & LETTERS W/TWO COATS WHITE TRAFFIC MARKING PAINT.
2. ASPHALT TO MEET CONCRETE RAMP.
3. 1" PREMOULDED EXP. JOINT @ 20'-0" O.C. MAX. SCORED JOINTS WITH SPACING EQUAL TO WIDTH OF WALK.
4. TOOLED JOINT.
5. 4" CONCRETE SLAB.
6. RUBBED FINISH.
7. 3" ASPHALT ON COMPACTED SUBGRADE. SEE SPECIFICATIONS.
8. (2) #4 BARS CONT. HORIZ. AND #3 VERT. BARS @ 24" O.C.
9. FINISH GRADE.
10. 3/4" CHAMFER.
11. ELEVATION VARIES WITH GRADE.
12. REWORK GRADE TO ELEVATIONS SHOWN ON GRADING PLAN.
13. 6" x 18" CONTINUOUS CONCRETE CURB WITH (1) #4 BAR CONT. @ TOP AND BOTTOM. PROVIDE VERTICAL EXPANSION JOINTS @ 15'-0" O.C. MAXIMUM, USING 1" EXP. JOINT MATERIAL.
14. 3" ASPHALTIC CONCRETE SURFACE COURSE. SEE SPECIFICATIONS.
15. COMPACTED SUBGRADE, SEE SPECIFICATIONS.



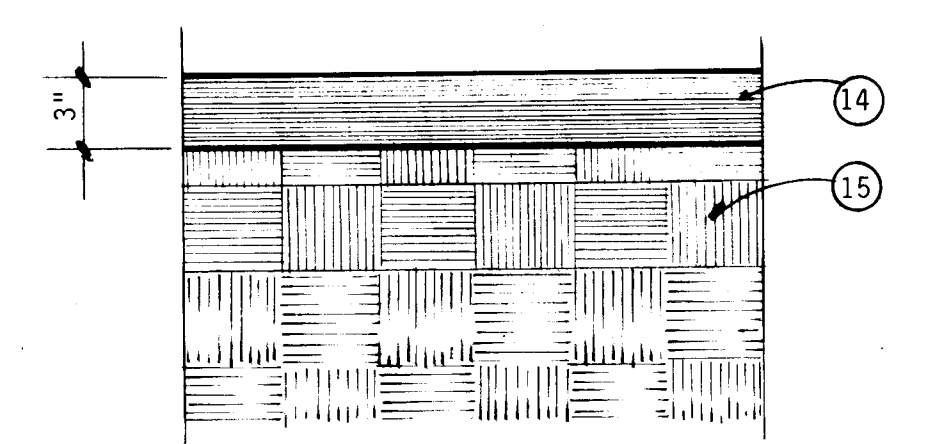
5 SIDEWALK DETAIL
1-1/2" = 1'-0"



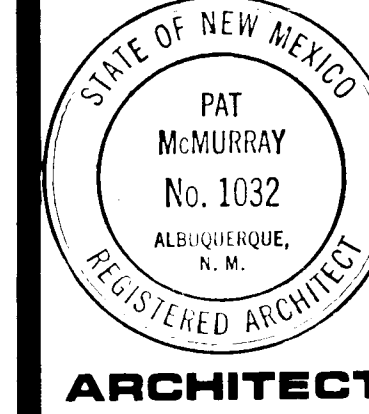
6 SIDEWALK DETAIL
1-1/2" = 1'-0"



7 CURB DETAIL
1-1/2" = 1'-0"



8 TYPICAL PAVING SECTION
1-1/2" = 1'-0"



ARCHITECT

ENGINEER
**VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO**



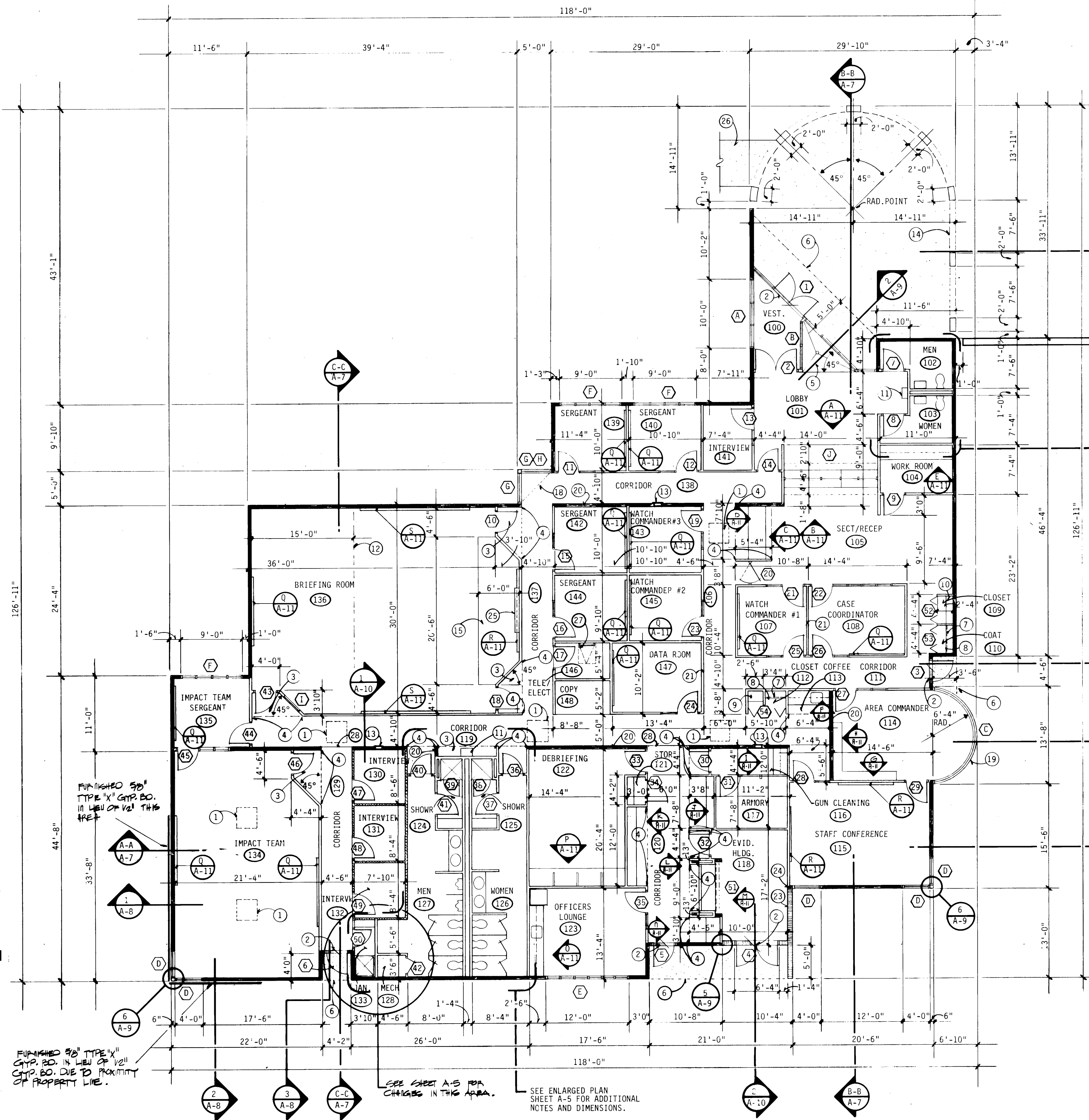
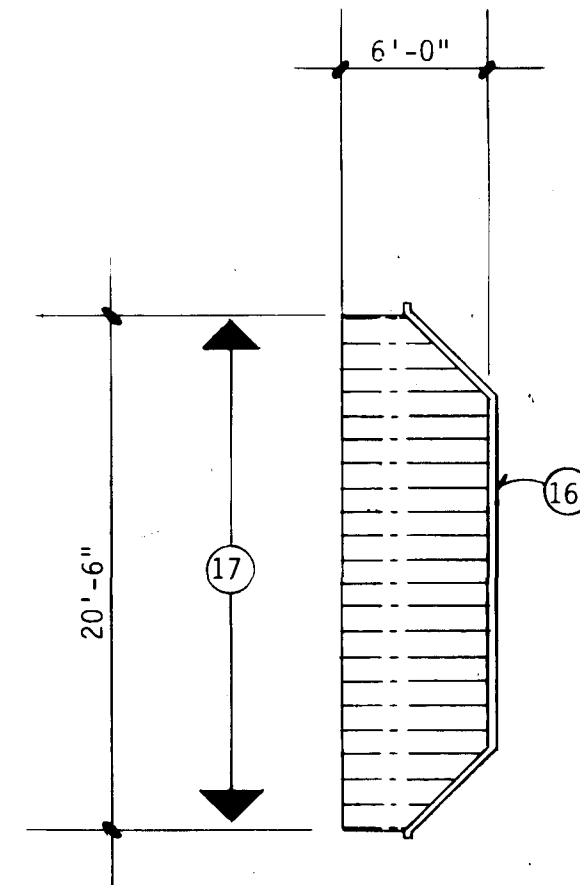
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PLATFORM FRAMING PLAN
1/8" = 1'-0"



FLOOR PLAN
1/8" = 1'-0"



KEYED NOTES:

1. 3'-0" x 3'-0" DBL. DOME INSULATED CURB SKY-LIGHT. SEE STRUCTURAL ROOF FRAMING PLANS FOR EXACT LOCATION AND DETAIL 13/A-12.
2. METAL THRESHOLD, SEE HARDWARE SCHEDULE.
3. 5/8" TYPE "X" GYP. BD. FURRED DOWN CEILING 7'-2" FROM FINISH FLOOR.
4. VERTICAL CONTROL JOINT AS MANUF. BY USG #093. INSTALL FROM FACE OF FURRED DOWN UP TO UNDERSIDE OF ROOF DECK. TYPICAL @ ALL FURRED DOWN AREAS.
5. PLANTER, SEE 2/A-9.
6. LINE OF BUILDING OVERHANG ABOVE.
7. 1" DIAMETER STEEL ROD, MOUNT UP 5'-6" ABOVE FINISH FLOOR. PROVIDE BACKING AT SIDEWALLS FOR MOUNTING BRACKETS & ROD.
8. 1'-0" DEEP, 3/4" INDUSTRIAL STRENGTH PARTICULATE BOARD SHELF W/HARDWOOD NOSING, MOUNT 6'-0" FROM FINISH FLOOR.
9. (5) 1'-6" DEEP, 3/4" THICK INDUSTRIAL STRENGTH PARTICULATE BOARD SHELVES W/HARDWOOD NOSING. START FIRST SHELF UP 1'-0" FROM FIN. FLR. AND SPACE ALL OTHER SHELVES 1'-0" FROM SHELF BELOW. SUPPORT SHELVES ON 1x4 CLEATS ON THREE SIDES.
10. (5) 1'-0" DEEP, 3/4" THICK INDUSTRIAL STRENGTH PARTICULATE BOARD SHELVES W/HARDWOOD NOSING. START FIRST SHELF UP 1'-0" FROM FIN. FLR. AND SPACE ALL OTHER SHELVES 1'-0" FROM SHELF BELOW. SUPPORT SHELVES ON 1x4 CLEATS ON THREE SIDES.
11. ELECTRIC WATER COOLER, SEE MECHANICAL.
12. LINE OF FUTURE FOLDING PARTITION.
13. FIRE EXTINGUISHER AND CABINET.
14. LINE OF COLONNADE, SEE BUILDING ELEVATIONS AND 1/A-9.
15. PLATFORM, SEE FRAMING PLAN THIS SHEET.
16. STEEL STUD WALL.
17. 2 x 12's @ 12" O.C. W/3/4" TAG PLYWOOD FLOORING, SCREWED & GLUED. SECURE TO SLAB. CARPET FLOOR AND FRONT TO MATCH CARPET IN ROOM. NOTE LOCATION OF ELECTRICAL OUTLETS IN FRONT AND IN FLOOR LOCATIONS, SEE ELECTRICAL.
18. LINE OF EDGE OF CEILING ABOVE, SEE DETAIL 4/A-9.
19. BUTT JOINT GLAZED WINDOWS, SEE ENLARGED PLAN SHEET A-5.
20. 6", 25 GA. METAL STUD @ 2'-0" O.C.

SEE ENLARGED PLAN, SHT. A-5 FOR ADDITIONAL NOTES & DIMENSIONS.

21. 3-5/8", 25 GA. METAL STUD @ 2'-0" O.C. TYPICAL INTERIOR FRAMING STUDS UNLESS NOTED OTHERWISE.
22. FREESTANDING WALL, SEE SITE PLAN FOR DIMENSIONS, ELEVATIONS FOR FINISHES & STRUCTURAL.
23. 5/8" TYPE "X" GYP. BD., MASTIC TO CMU.
24. VERTICAL CONTROL JOINT AS MANUF. BY USG, #093. LOCATE AT INTERSECTION OF CMU AND STEEL STUDS.
25. PROJECTION SCREEN VALANCE, CENTER ON WALL, SEE DETAIL 15/A.
26. CONCRETE WALK, SEE SITE PLAN FOR CONTINUATION.
27. ROOF HATCH & ACCESS LADDER, SEE DETAIL 12/A-12.
28. LINE OF CARPET AND VINYL TILE CHANGE, PROVIDE VINYL REDUCER STRIP, COLOR AS SELECTED BY ARCHITECT.

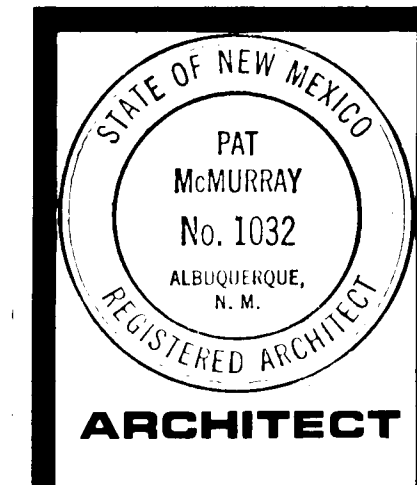
WALL LEGEND

- 3-5/8" METAL STUDS
- 6" METAL STUDS
- 8" x 8" x 16" CMU
- METAL STUDS W/3" SOUND ATTENUATION BLANKETS AND 1" SOUND DEADENING BOARD UNDER THE GYP. BD. ON THE INTERIOR OF ROOMS.

NOTE:
SEE SHEET A-14 FOR LOCATION OF ONE-HOUR RATED WALLS.

24 219-0386A

2192



ARCHITECT

ENGINEER
VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO



PROJECT NO.
8406

DATE
APRIL, 1965

REVISION

A-3

SHEET NO.

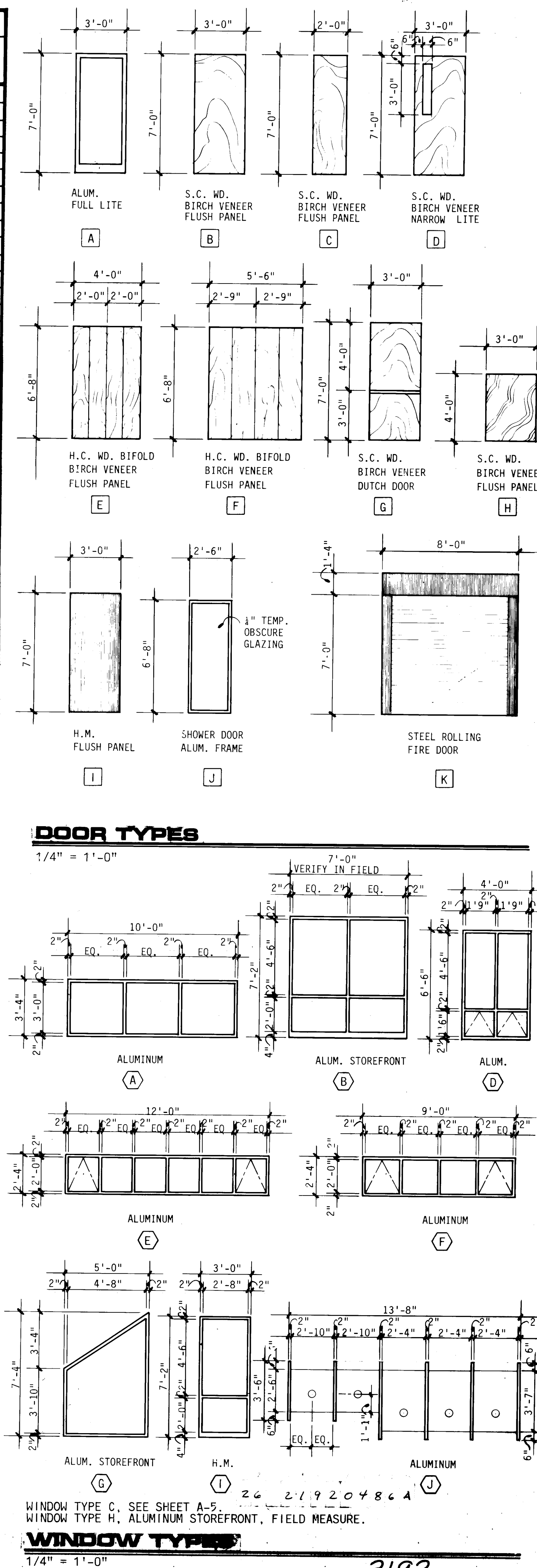
ROOM FINISH SCHEDULE									
ROOM NAME	WALLS				FLOOR	CLG.	REMARKS		
	NORTH	SOUTH	EAST	WEST					
100 VESTIBULE	GLASS	GLASS	GLASS	GYP.BD. PAINTED	QUARRY TILE	QUARRY TILE	8'-0" CEILING HEIGHT		
101 LOBBY	GLASS	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	QUARRY TILE	QUARRY TILE	8'-0" CEILING HEIGHT		
102 MEN	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	UNGLD. CERAM. M.R.	WALLS 4'-6" HIGH C.T. WAINSCOT			
103 WOMEN	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	UNGLD. CERAM. M.R.	WALLS 4'-6" HIGH C.T. WAINSCOT			
104 WORK ROOM	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		
105 SECRETARIAL/RECEPTION	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
106 CORRIDOR	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
107 WATCH COMMANDER #1	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
108 CASE COORDINATOR	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
109 CLOSET	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
110 COAT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
111 CORRIDOR	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
112 CLOSET	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
113 COFFEE	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	7'-0" CEILING HEIGHT		
114 AREA COMMANDER	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
115 STAFF CONFERENCE	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
116 GUN CLEANING	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		
117 ARMORY	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	SEALED CONC.	VINYL	8'-0" CEILING HEIGHT		
118 EVIDENCE HOLDING	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	SEALED CONC.	VINYL	8'-0" CEILING HEIGHT		
119 CORRIDOR	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
120 CORRIDOR	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		
121 STORAGE	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		
122 DEBRIEFING	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
123 OFFICERS LOUNGE	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
124 SHOWER	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	UNGLD. CERAM. M.R.	8'-0" CEILING HEIGHT			
125 SHOWER	M.R. CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	UNGLD. CERAM. M.R.	8'-0" CEILING HEIGHT			
126 WOMEN	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	UNGLD. CERAM. M.R.	8'-0" CEILING HEIGHT			
127 MEN	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	UNGLD. CERAM. M.R.	8'-0" CEILING HEIGHT			
128 MECHANICAL	M.R. GYP.BD. PAINT	M.R. GYP.BD. PAINT	M.R. GYP.BD. PAINT	M.R. GYP.BD. PAINT	SEALED CONC.	VINYL	8'-0" CEILING HEIGHT		
129 CORRIDOR	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		
130 INTERVIEW	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		
131 INTERVIEW	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		
132 INTERVIEW	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		
133 JANITOR	M.R. GYP.BD. PAINT	M.R. GYP.BD. PAINT	M.R. GYP.BD. PAINT	M.R. GYP.BD. PAINT	SEALED CONC.	VINYL	8'-0" CEILING HEIGHT		
134 IMPACT TEAM	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
135 IMPACT TEAM SERGEANT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
136 BRIEFING ROOM	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	9'-0" CEILING HEIGHT		
137 CORRIDOR	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
138 CORRIDOR	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
139 SERGEANT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
140 SERGEANT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
141 INTERVIEW	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		
142 SERGEANT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
143 WATCH COMMANDER #3	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
144 SERGEANT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
145 WATCH COMMANDER #2	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
146 TELEPHONE/ELECTRIC	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	SEALED CONC.	VINYL	8'-0" CEILING HEIGHT		
147 DATA ROOM	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	CARPET	VINYL	8'-0" CEILING HEIGHT		
148 COPY	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	GYP.BD. PAINT	VINYL	LAY-IN ACQUST.	8'-0" CEILING HEIGHT		

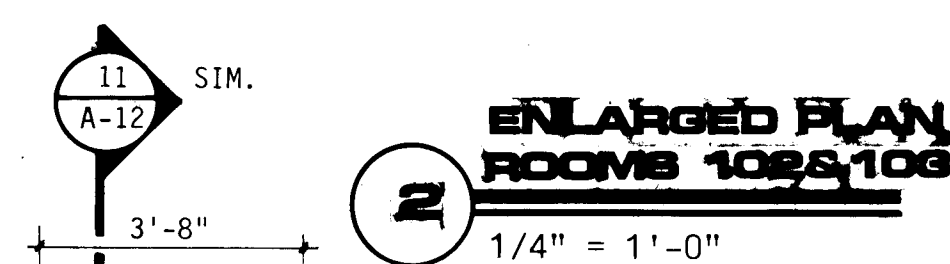
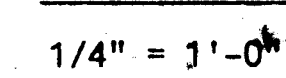
* ADDITIONAL REMARKS:
 102 MEN: PAINT MOISTURE RESISTANT GYP. BD. ON WALLS & CEILING.
 103 WOMEN: PAINT MOISTURE RESISTANT GYP. BD. ON WALLS & CEILING.
 126 WOMEN: DO NOT TILE BEHIND LOCKERS, SEE ENLARGED BATHROOM PLAN SHEET A-5 FOR LOCATION OF LOCKERS.
 127 MEN: DO NOT TILE BEHIND LOCKERS, SEE ENLARGED BATHROOM PLAN SHEET A-5 FOR LOCATION OF LOCKERS.

SEE SHEET A-15 FOR DOOR AND WINDOW DETAILS.
 SEE SHEET A-9 FOR FRAME TYPES.

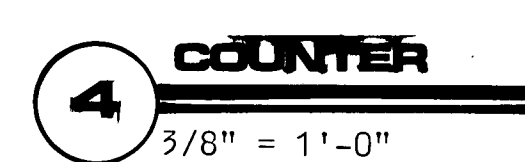
DOOR SCHEDULE									
DOOR SIZE	LVL. RATING	TYPE	HOW	FRAME	DOOR GLASS	DETAILS			REMARKS
						HEAD	JAMB	BILL	
1 PR 3070		A	1	1	1" TEMP.	1" INSUL.	1	2, 8, 15, 14	3, 2, 1
2 PR 3070		A	2	2	1" TEMP.	1 SIM.	7, 20	3, 2, 1	
3 3070		1	3	3			9	9	15
4 PR 3070		1	4	5			22	4	15
5 3070		1	5	3			9	9	15
6 3070		1	5	3			9	9	15
7 3070	20 MIN.	B	6	3			10	10	
8 3070	20 MIN.	B	6	3			10	10	
9 3070	20 MIN.	B	7	3			10	10	
10 3070	20 MIN.	D	8	3	1" WIRE		10	10	
11 3070	20 MIN.	B	9	7		1" WIRE	10, 19	10, 19	5
12 3070	20 MIN.	B	9	7		1" WIRE	10, 19	10, 19	5
13 3070	20 MIN.	B	9	6		1" WIRE	10, 19	10, 19	26
14 3070	20 MIN.	D	10	3	1" WIRE		10	10	
15 3070	20 MIN.	B	9	7		1" WIRE	10, 19	10, 19	5
16 3070	20 MIN.	B	9	7		1" WIRE	10, 19	10, 19	5
17 3070	45 MIN.	B	12	3			10	10	
18 3070	20 MIN.	D	8	3	1" WIRE		10	10	
19 3070	20 MIN.	B	9	7		1" WIRE	10, 19	10, 19	5
20 3040		H	11						DOUBLE ACTING GATE
21 3070	20 MIN.	B	9	6		SEE REMARKS	10, 19	10, 19	26
22 3070	20 MIN.	B	9	9		SEE REMARKS	10, 19	10, 19	26
23 3070	20 MIN.	B	9	7		1" WIRE	10, 19	10, 19	5
24 3070	20 MIN.	B	9	7		1" WIRE	10, 19	10, 19	5
25 3070	20 MIN.	B	9	7		1" WIRE	10, 19	10, 19	5
26 3070	20 MIN.	B	9	7		1" WIRE	10, 19	10, 19	5
27 3070	20 MIN.	B	9	10		1" WIRE	10, 19	10, 19	5
28 3070	20 MIN.	B	7	7		1" WIRE	10, 19	10, 19	5
29 3070		B	13	3			10	10	
30 3070		G	14	3			10	10	BUTCH DOOR
31 3070	20 MIN.	I	9	3			10	10	
32 3070	20 MIN.	I	7	3			10	10	
33 3070	20 MIN.	B	15	3			10	10	
34 3070	45 MIN.	B	11	3			10	10	
35 3070	20 MIN.	B	16	7		1" WIRE	10, 19	10, 19	5
36 3070	20 MIN.	B	17	3		1" WIRE	10, 19	10, 19	5
37 3070		B	18	3			10	10	
38 2668		J	MANUF.	MANUF.	1" TEMP.				SHOWER DOOR
39 2668		J	MANUF.	MANUF.	1" TEMP.				SHOWER DOOR
40 3070	20 MIN.	B	17	3			10	10	
41 3070	20 MIN.	B	18	3			10	10	
42 3070	45 MIN.	C	19	4			10	10	
43 3070	20 MIN.	B	8	3			10	10	
44 3070	20 MIN.	B	9	3			10	10	
45 3070	10 MIN.	B	13	8		1" TEMP.	10, 19	10, 19	26
46 3070	10 MIN.	B	7	3			10	10	
47 3070	20 MIN.	B	9	3			10	10	
48 3070	20 MIN.	B	9	3			10	10	
49 3070	20 MIN.	B	9	3			10	10	
50 3070	45 MIN.	B	19	3			10	10	
51 8'-0"x7'-0"	1 HR.	K	MANUF.	MANUF.			6		ROLLING FIRE DOOR
52 PR 2068		E	20						WD. BIFOLD
53 PR 2068		E	20						WD. BIFOLD
54 PR 2968		F	21						WD. BIFOLD

WINDOW SCHEDULE									
WINDOW SIZE	MATERIALS		DETAILS			REMARKS			
	GLASS	FRAME	HEAD	JAMB	BILL				
A 10'-0" x 3'-4"	1" INSUL.	ALUM.	11	11, 17	24	3'-10" FIN. FLR. TO SILL 1" SOLAR GRAY EXT. 1" CLEAR TEMP. INT.			
B 7'-0" x 7'-2"	1" TEMP.	ALUM.	11 SIM.	2, 8, 20	21				
C FIELD MEASURE x 3'-4"	1" SOLAR GRAY TEMPERED	ALUM.	11 SIM.	11 SIM.	24 SIM.	3'-10" FIN. FLR. TO SILL BUTT JOINTS, SEMI-CIRCULAR WINDOW			
D 4'-0" x 6'-6"	1" INSUL.	ALUM.	11	11, 17	24	0'-8" FIN. FLR. TO SILL 1" SOLAR GRAY EXT. 1" CLEAR TEMP. INT.			
E 12'-0" x 2'-4"	1" INSUL.	ALUM.	11	11, 17	24	4'-10" FIN. FLR. TO SILL 1" SOLAR GRAY EXT. 1" CLEAR TEMP. INT.			
F 9'-0" x 2'-4"	1" INSUL.	ALUM.	11	11, 17	24	3'-4" FIN. FLR. TO SILL 1" SOLAR GRAY EXT. 1" CLEAR TEMP. INT.			
G 5'-0" x 4'-0" x 7'-4"	1" INSUL.	ALUM.	12	11, 18	24 SIM.	1" SOLAR GRAY EXT. 1" CLEAR TEMP. INT.			
H FIELD MEASURE	1" INSUL.	ALUM.	-	-	12				
I 3'-0" x 7'-2"	1" WIRE	HM	19	19, 23	5				
J 13'-8" x 3'-7"	1" TEMP.	ALUM.			25				





1. ELECTRIC WATER COOLER, SEE MECHANICAL.
2. SHOWER STALL, SEE MECHANICAL.
3. TOWEL RING.
4. CLOTHES HOOKS.
5. TOWEL DISPENSER AND WASTE RECEPTACLE.
6. SINK, SEE MECHANICAL.
7. SOAP DISPENSER.
8. LOCKERS.
9. WALL MOUNT URINAL, SEE MECHANICAL.
10. WALL MOUNT URINAL SCREEN.
11. FLOOR DRAIN, SEE MECHANICAL. SLOPE ROOM TOWARD DRAIN.
12. TOILET PAPER DISPENSER.
13. WALL HUNG TOILET.
14. FEMININE WASHBASIN DISPOSAL.
15. METAL TOILET PARTITION.
16. TRANSITION IN FLOORING MATERIAL, SEE ROOM FINISH SCHEDULE 1.
17. HOT WATER HEATER, SEE MECHANICAL.
18. MOP SINK, SEE MECHANICAL.
19. 3" x 3" WIRE MESH 1/4" DEEP X 3/4" THICK INDUSTRIAL STRENGTH PARTITION BOARD SHELVES W/HANDLING NOSE, START FROM FLOOR, END 6" FROM FIN. FLR, 4 SPACE ALK OTHER SHELVES 1'-6" FROM SELF BELOW. SUPPORT SHELVES ON 1X4 CLEATS ON THREE (3) SIDES.
20. MIRROR.
21. SOFFIT LINE.
22. TILE FLOOR, SEE ROOM FINISH SCHEDULE.
23. 60" x 60" HANDICAPPED TURNING RADIUS.
24. HANDICAP GRAB BARS.
25. FLOOR MOUNT TOILET, SEE MECHANICAL.
26. 5/8" MOISTURE RESISTANT GP. BD., SEE ROOM FINISH SCHEDULE.
27. CERAMIC TILE 18" HEIGHT AT SHOWER AREAS.
28. CERAMIC TILE OVER 5/8" MOISTURE RESISTANT GP. BD.
29. PLASTIC LAMINATE COUNTER, SEE DETAIL: INDICATED TILE BASE, SEE ROOM FINISH SCHEDULE.
30. 1" METAL STUD.
31. 1" INSULATED GLAZING, 1" SOLAR GARY EXTERIOR, 1/2" METAL INTERIOR.
32. TEMPERED GLASS.
33. 1/4" WIRE GLASS.
34. 1/4" WIRE MESH ROOM GLASS, CORRIDOR SIDE, 1/4" WIRE GLASS ROOM SIDE.
35. 1" SOLAR GARY GLASS, W/SLICION BUTT JOINTS.
36. ALUMINUM FRAM.
37. 5/8" TYPE "X" GP. BD.


$$1/4'' = 1' - 0''$$

26 21420586A

2192



**VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO**



PROJECT NO.

8406

DATE _____

APRIL, 1985

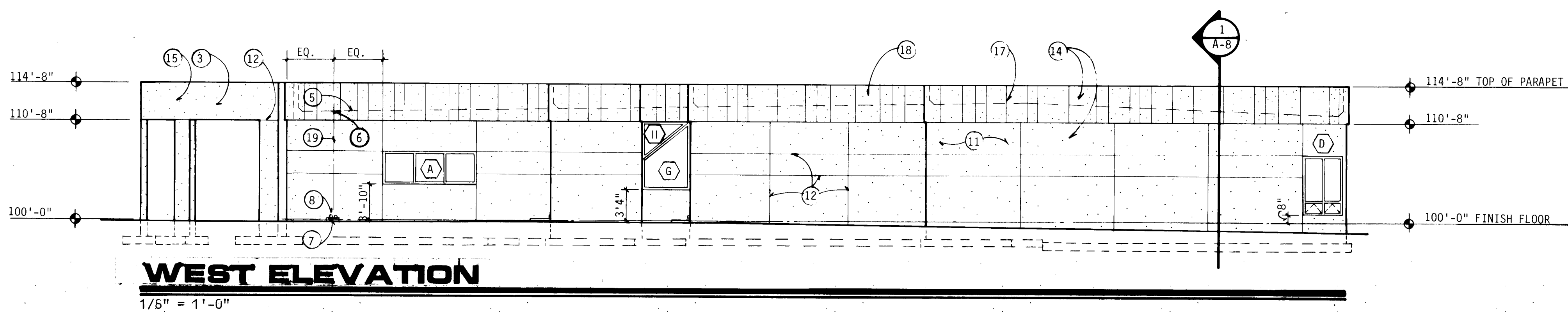
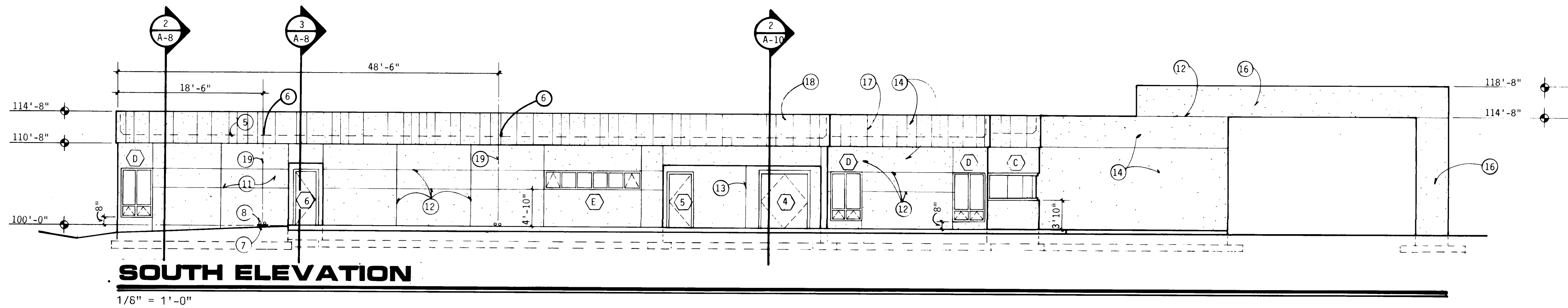
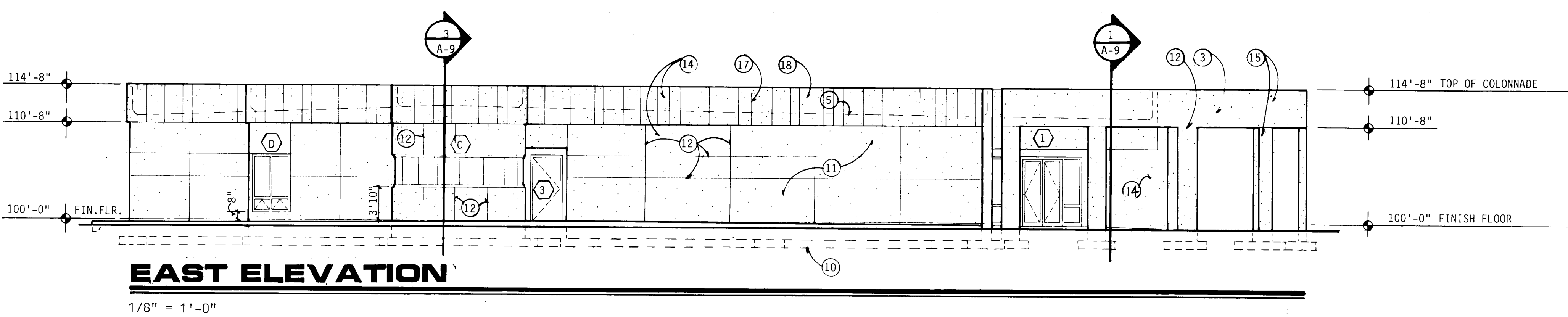
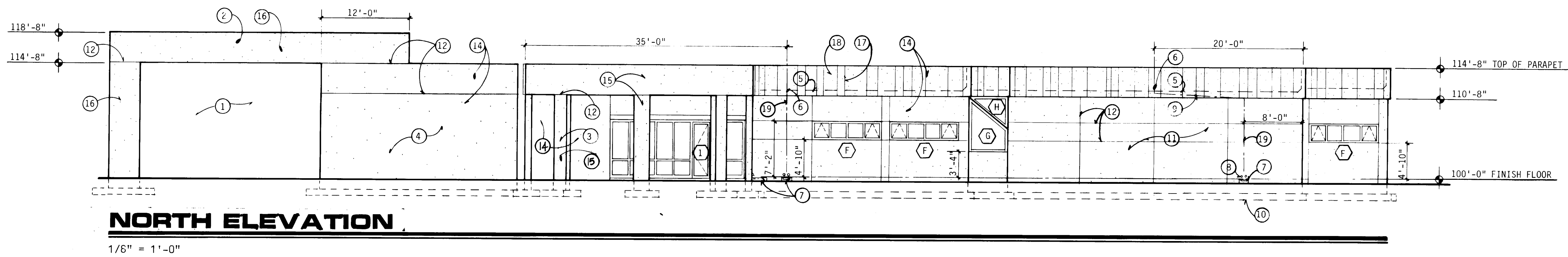
REVISION

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A-5

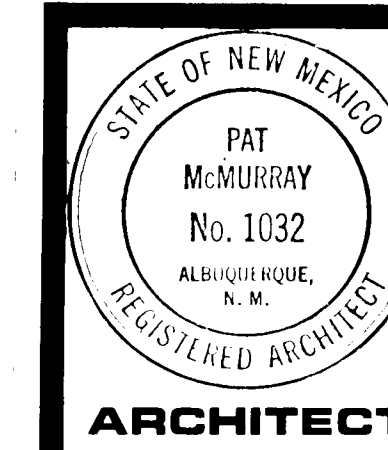
SHEET NO.



KEYED NOTES

1. OPEN DRIVE THRU.
2. GLASS REINFORCED STUCCO OVER POURED IN PLACE CONCRETE.
3. GLASS REINFORCED STUCCO OVER CMU COLONNADE.
4. BUILDING SIGN LOCATION. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
5. LINE OF ROOF BEYOND.
6. ROOF DRAINS. SEE SHT. A-1 FOR LOCATION AND MECHANICAL.
7. PRE-CAST CONCRETE SPLASHBLOCK, 1'-4" WIDE X 2'-0" LONG.
8. DOWNSPOUT NOZZLES. ONE FOR ROOF DRAIN & ONE FOR ROOF OVERFLOW, CONNECTED TO SEPARATE DOWNSPOUTS IN WALL & UP THROUGH ROOF. SEE MECHANICAL.
9. JOG DOWNSPOUTS IN JOIST SPACE TO LOCATION SHOWN.
10. CONCRETE FOOTING. SEE STRUCTURAL.
11. GLASS REINFORCED STUCCO OVER STUCCO MESH OVER 1" EXTERIOR GYP. SHEATHING.
12. EXPANSION JOINT IN STUCCO.
13. EXPANSION JOINT. SEE DETAIL 5/A-9.
14. STUCCO COLOR #1 @ BUILDING, & FREE STANDING WALL. SEE SPECIFICATIONS.
15. STUCCO COLOR #2 @ COLONNADE. SEE SPECIFICATIONS.
16. STUCCO COLOR #3 @ TOP OF DRIVE THROUGH BEAM AND END WALL/COLUMN.
17. AESTHETIC JOINT. SEE DETAIL 5/A-8.
18. EXTERIOR COATING OVER 1/2" RIGID INSULATION OVER 1" EXT. GYP. SHEATHING.
19. DOWNSPOUT DOWN IN WALL.

NOTE: VERIFY EXACT LOCATIONS OF COLORS #1, 2, 3 WITH ARCHITECT PRIOR TO APPLICATION.



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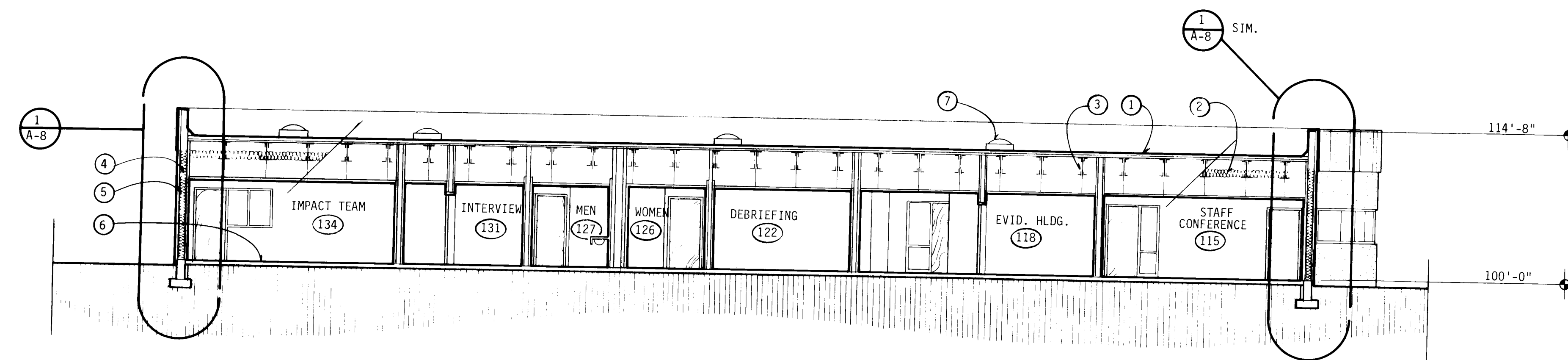
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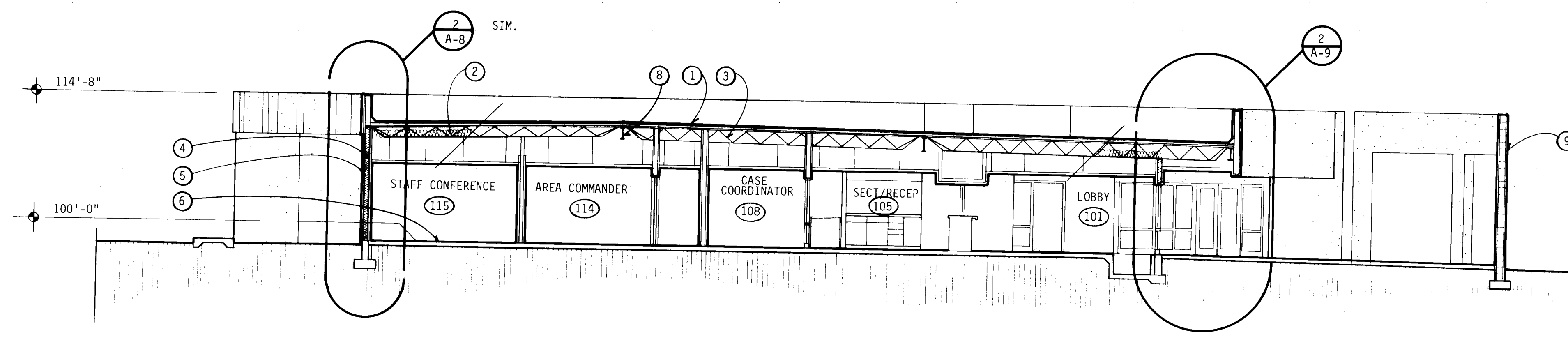
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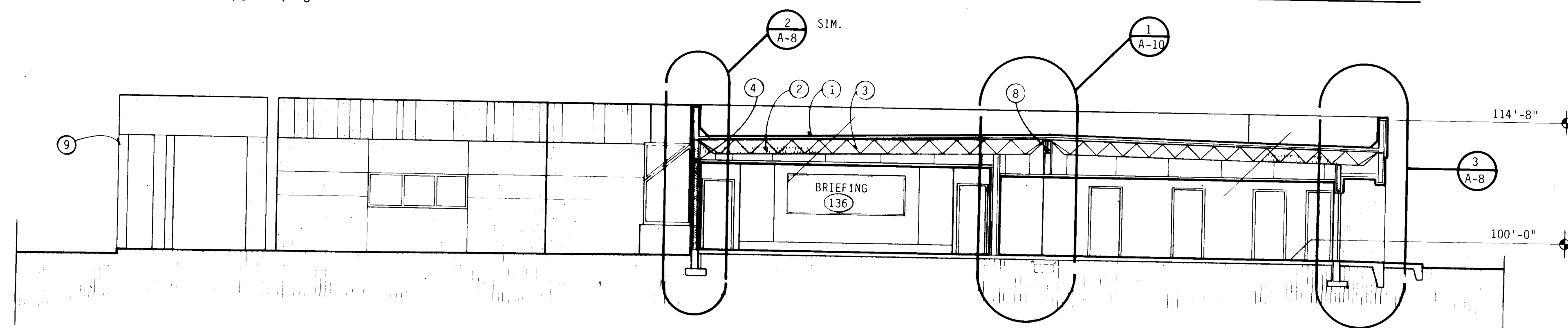
BUILDING SECTION A-A

1/8" = 1'-0"



BUILDING SECTION B-B

1/8" = 1'-0"

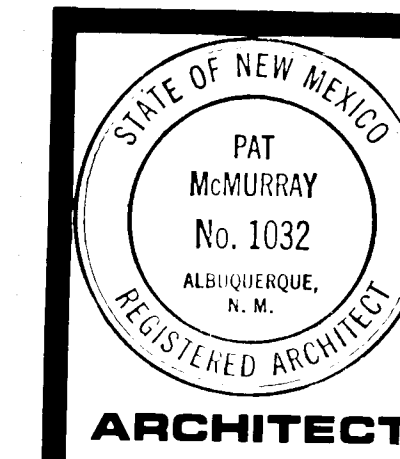


BUILDING SECTION C-C

1/8" = 1'-0"

KEYED NOTES:

1. BUILT-UP ROOF, SEE SPECIFICATIONS.
2. R-30 BATT INSULATION.
3. STEEL JOIST, SEE STRUCTURAL.
4. R-19 BATT INSULATION.
5. 06 X 18 GA. STEEL STUDS, TYPICAL EXTERIOR WALL.
6. 4" CONC. SLAB 12/6X6 W1.4 X W1.4 W.W.F.
7. SKYLIGHT BEYOND.
8. WIDE FLANGE, SEE STRUCTURAL.
9. 12"x8"x16" CMU W/GLASS REINF. STUCCO @ COLONNADE, SEE DETAIL 1/A-9.



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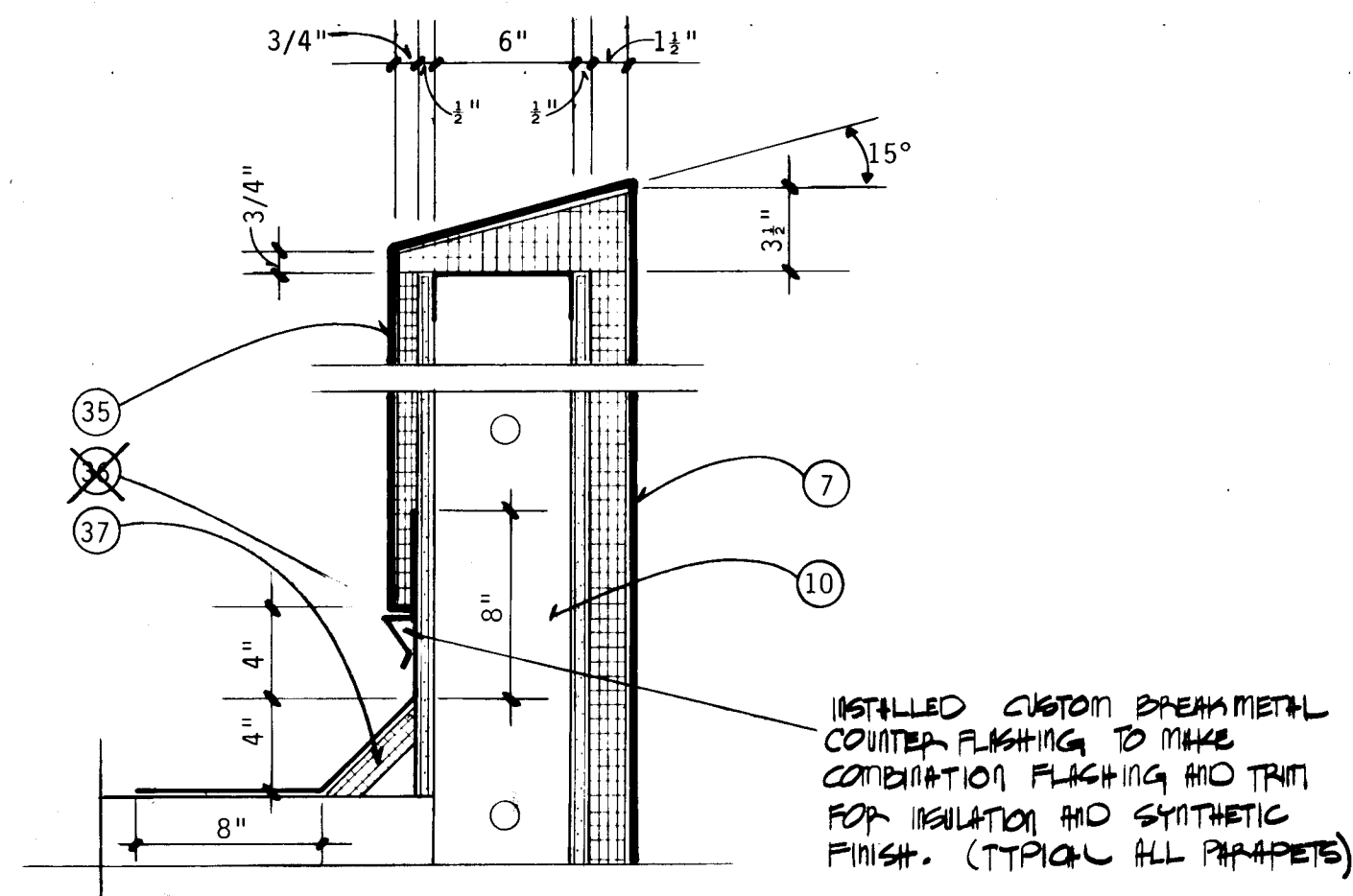
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A-7

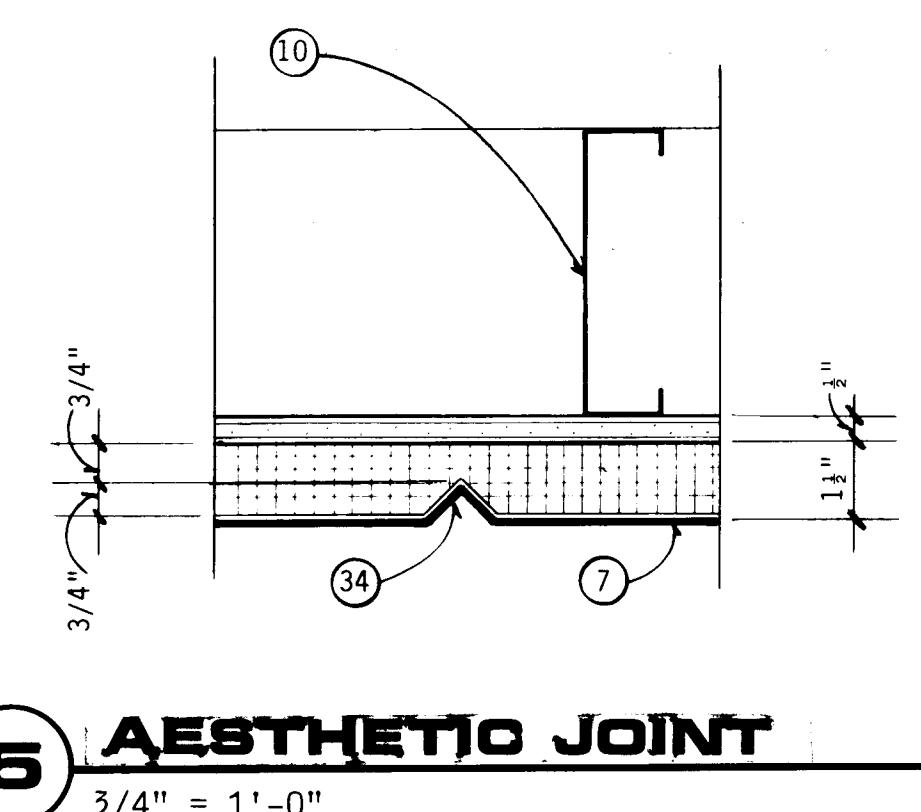
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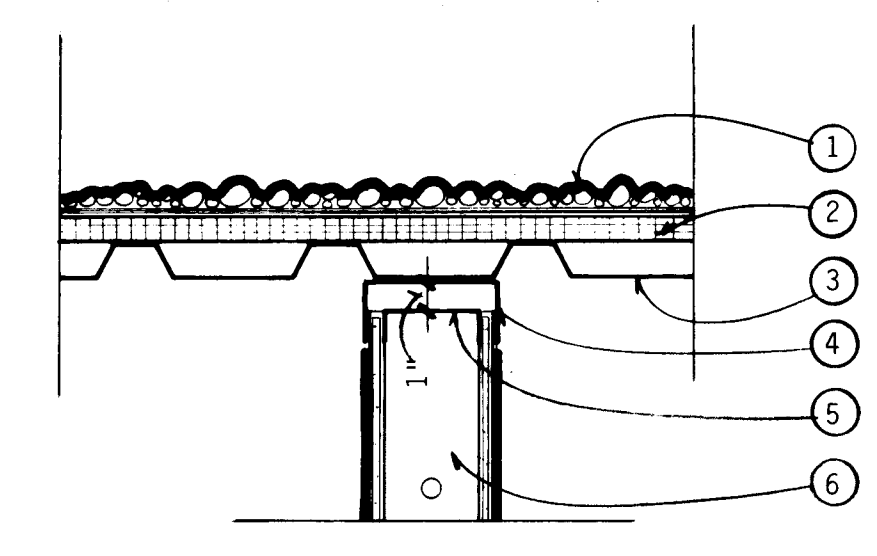
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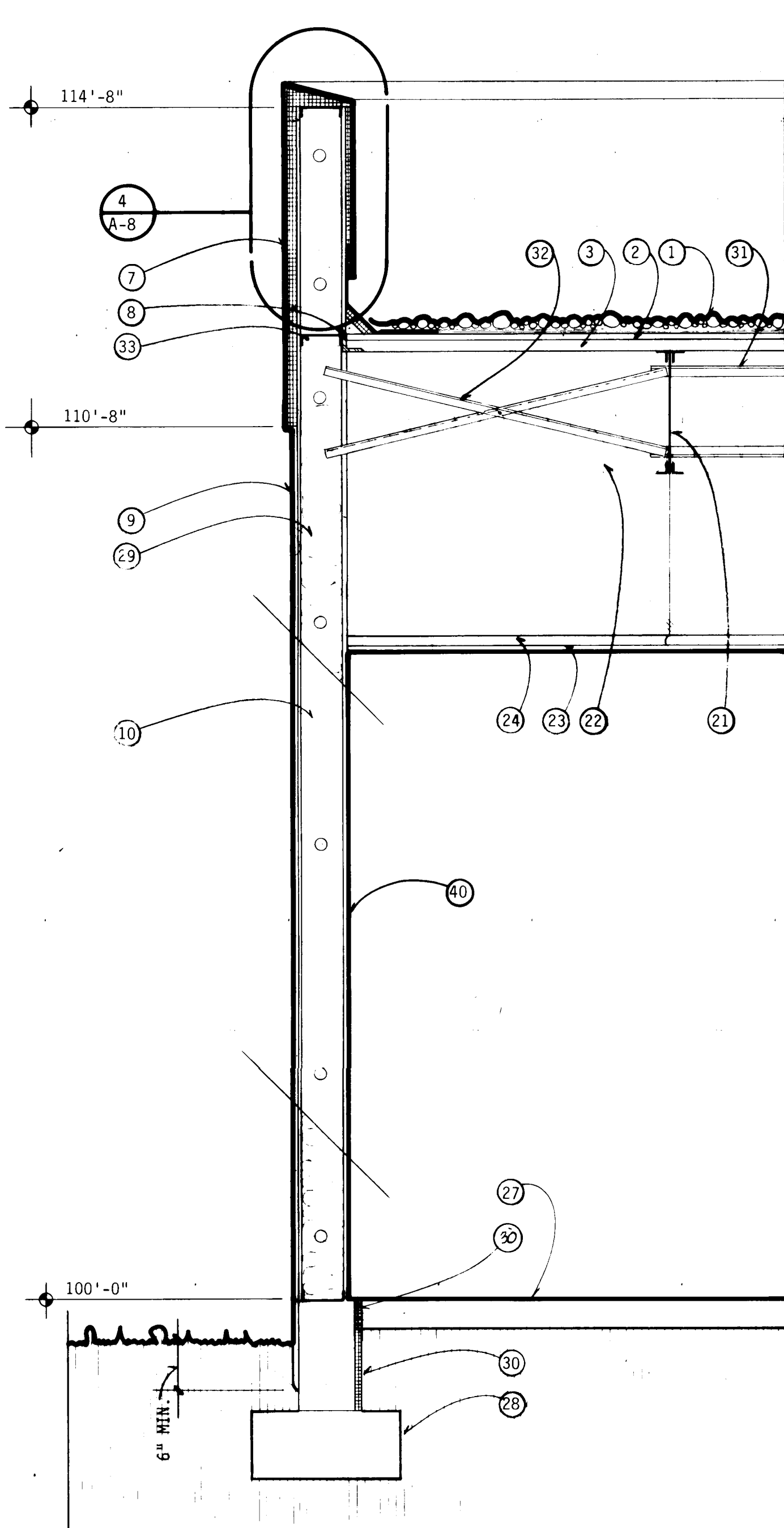
4 PARAPET DETAIL
1-1/2" = 1'-0"



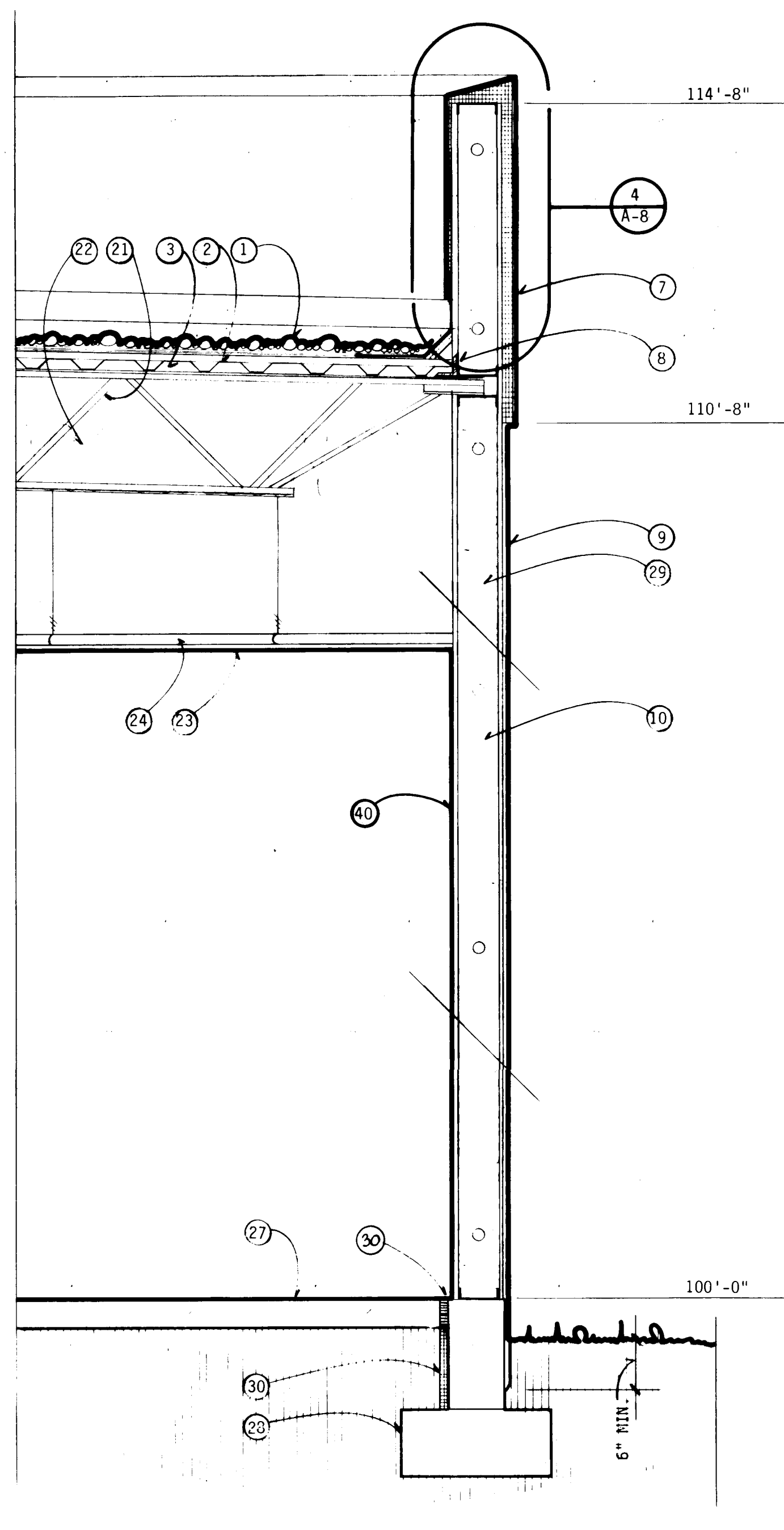
5 AESTHETIC JOINT
3/4" = 1'-0"



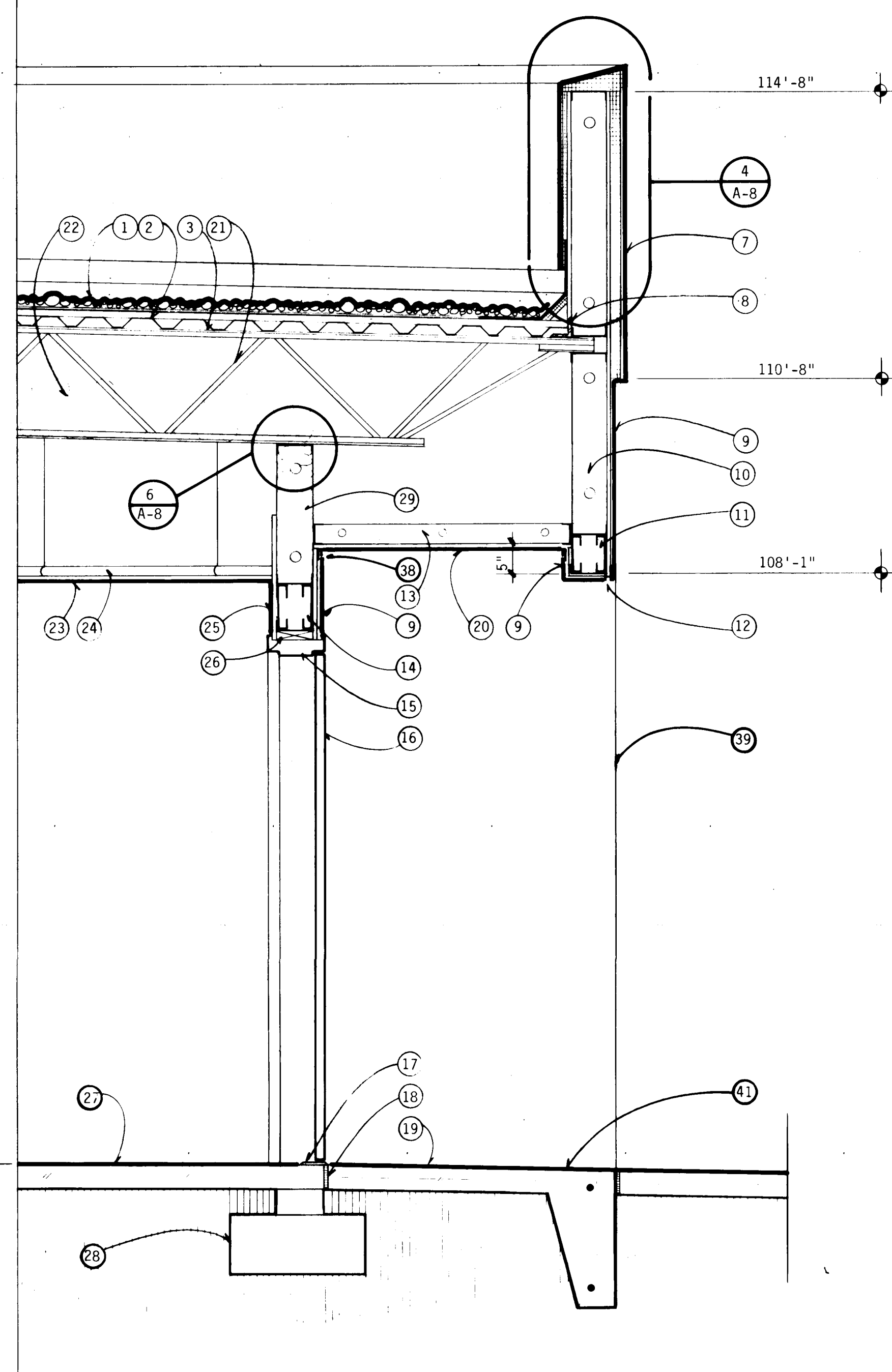
6 SLIP TRACK DETAIL
1-1/2" = 1'-0"

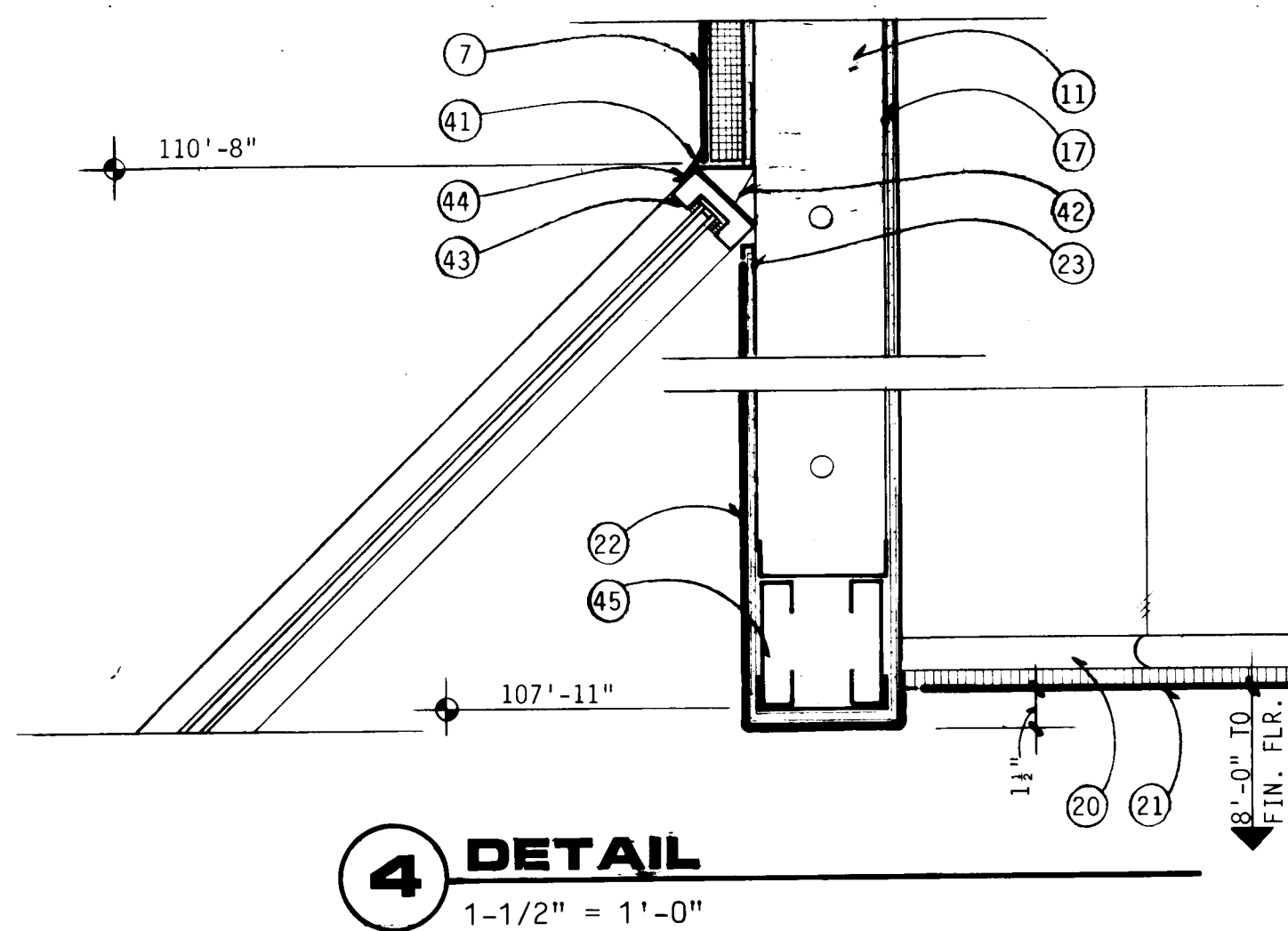


1 WALL SECTION
3/4" = 1'-0"

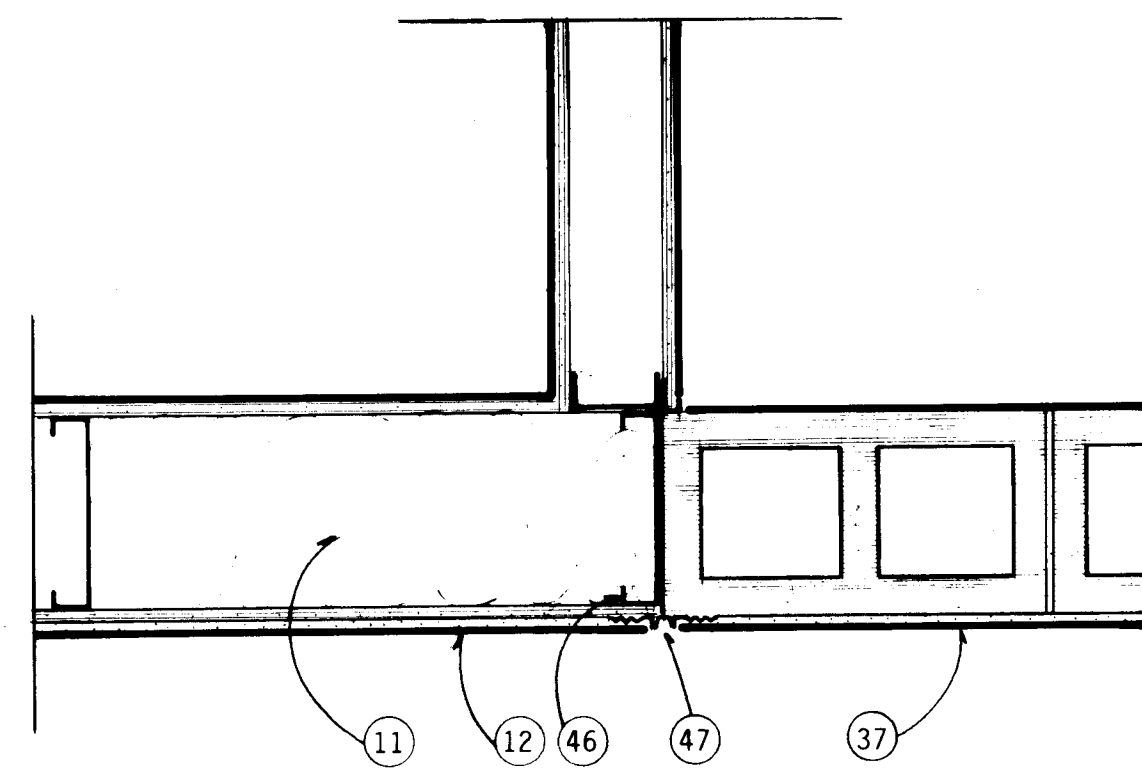


2 WALL SECTION
3/4" = 1'-0"

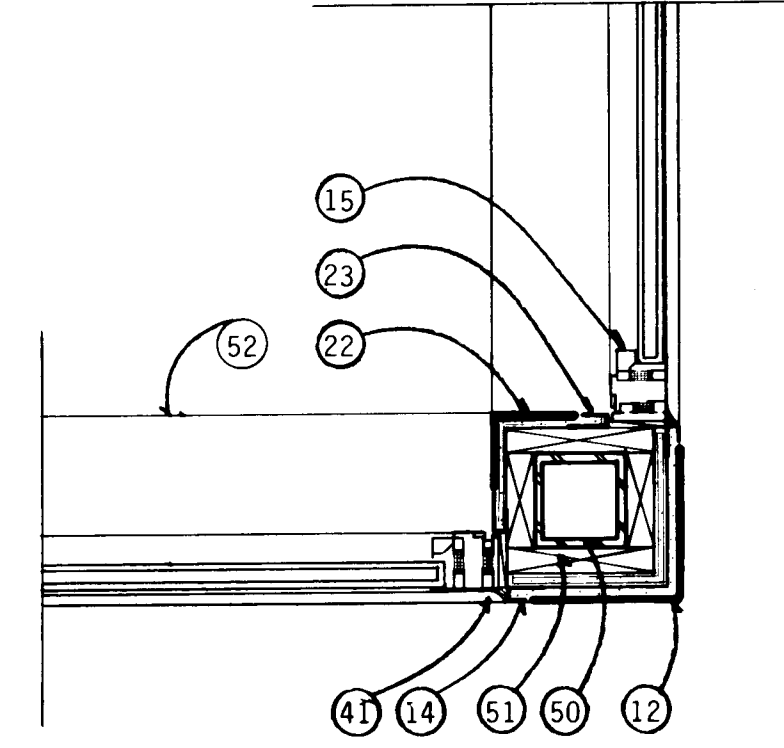


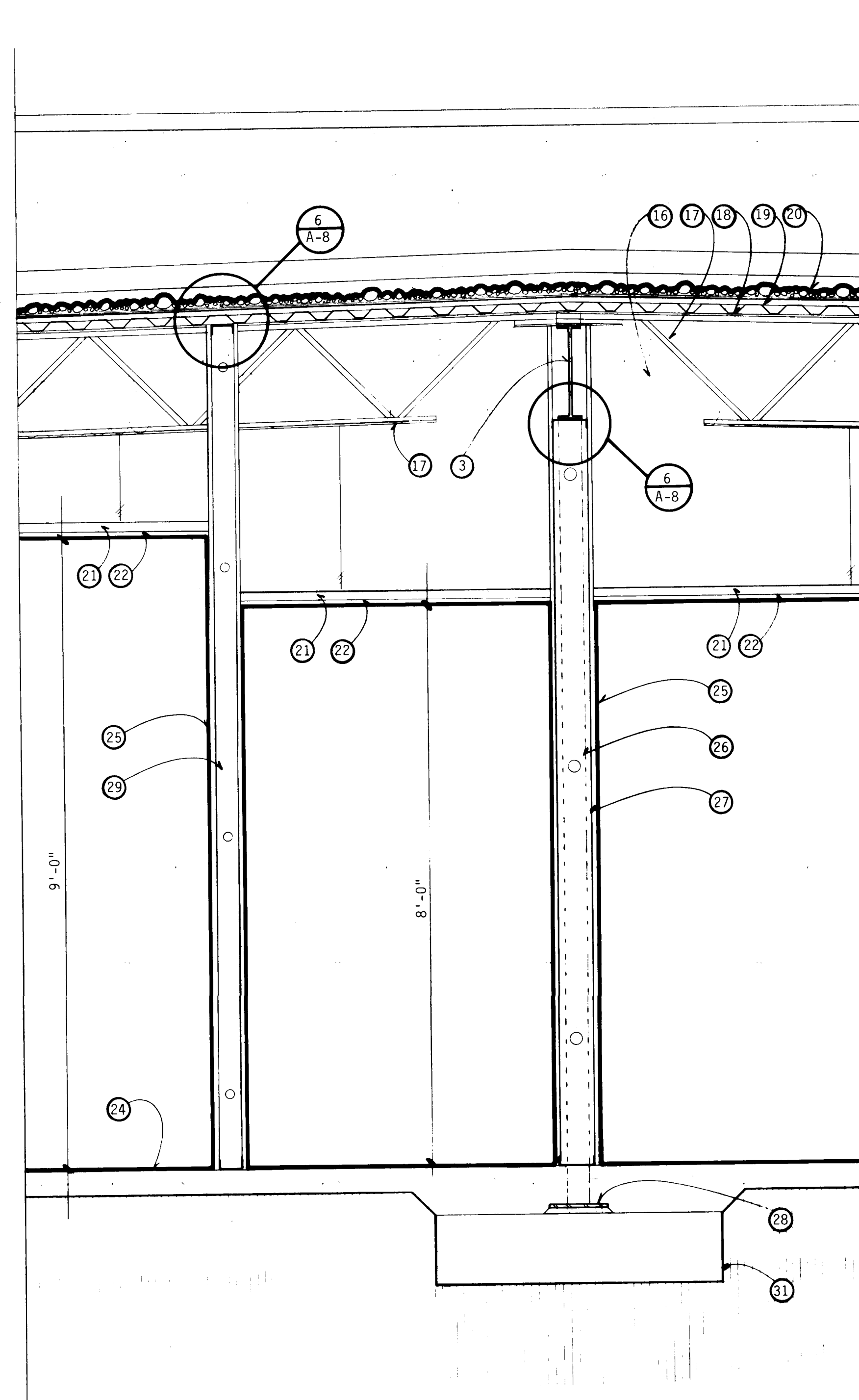


4 DETAIL
1-1/2" = 1'-0"

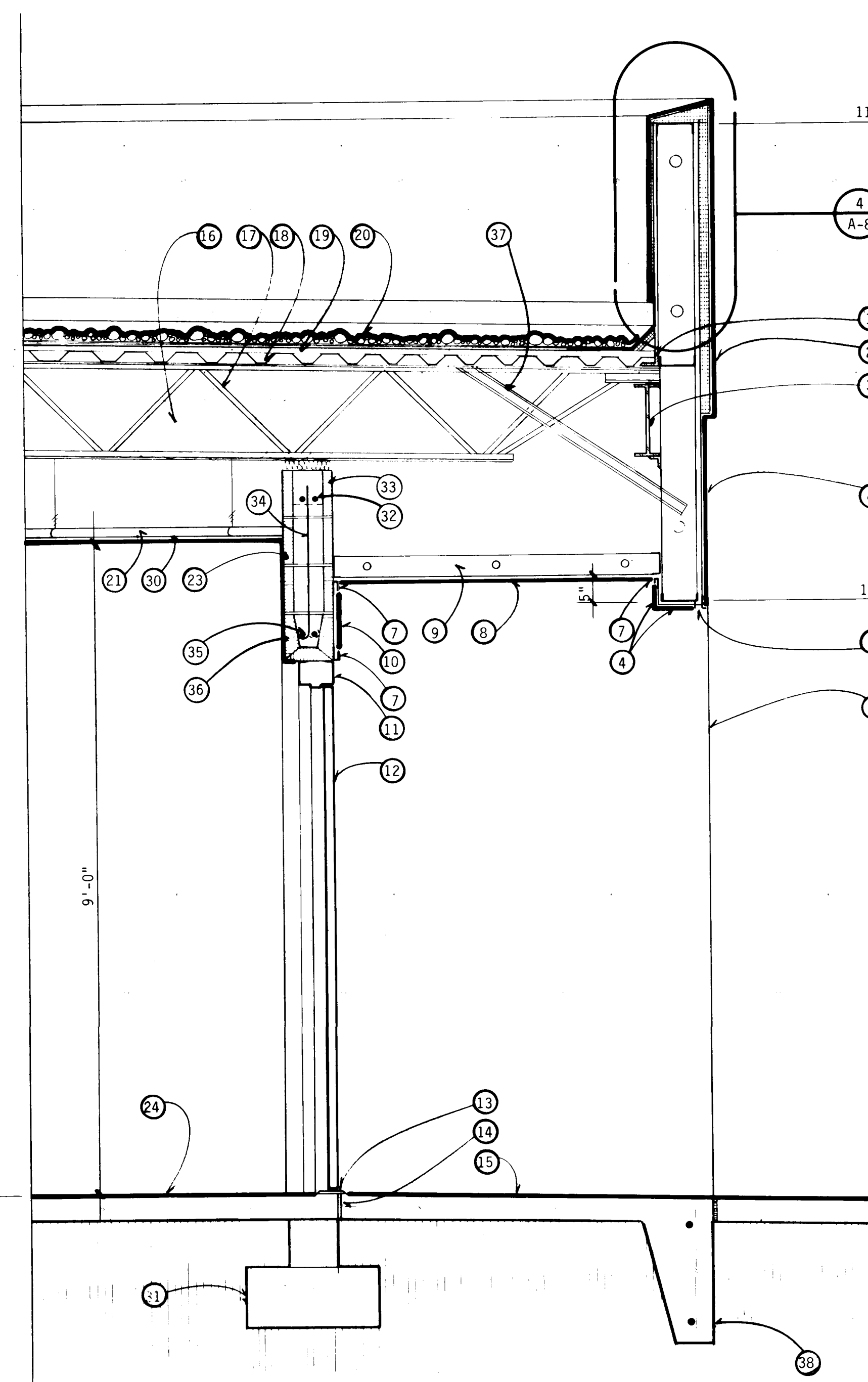


5 EXP. JOINT DETAIL
1-1/2" = 1'-0"





1 WALL SECTION
3/4" = 1'-0"

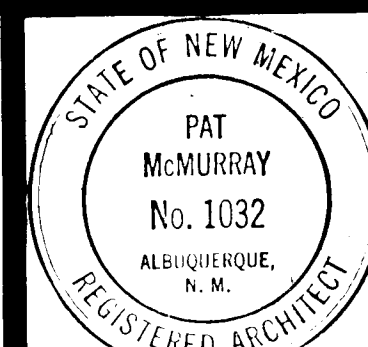


2 WALL SECTION
3/4" = 1'-0"

- KEYED NOTES**
- STEEL ANGLE, SEE STRUCTURAL.
 - EXTERIOR COATING OVER 1" RIGID INSULATION OVER 1" EXT. GYP. SHEATHING.
 - WIDE FLANGE, SEE STRUCTURAL.
 - GLASS REINFORCED STUCCO OVER STUCCO MESH OVER 1" EXT. GYP. SHEATHING.
 - DROP SCREED.
 - LINE OF WALL BEYOND.
 - STUCCO STOP.
 - 5/8" EXT. GYP. SHEATHING.
 - 3-5/8", 25 GA. METAL STUDS @ 1'-4" O.C.
 - GLASS REINFORCED STUCCO OVER CMU WALL.
 - HOLLOW METAL DOOR FRAME, SEE FRAME TYPES SHEET A-5.
 - HOLLOW METAL DOOR, SEE DOOR TYPES, SHT. A-4.
 - METAL THRESHOLD, SEE HARDWARE SCHEDULE.
 - 1" EXP. JOINT.
 - 4" CONC. SLAB W/6x6 W1.4 x W1.4 W.W.F., SLOPE 1" PER FOOT AWAY FROM BUILDING.
 - R-30 BATT INSULATION.
 - STEEL JOIST, SEE STRUCTURAL.
 - 1" METAL ROOF DECK, SEE STRUCTURAL.
 - 1" PERLITE BOARD.
 - BUILT-UP ROOF, SEE SPECIFICATIONS.
 - SUSPENDED CEILING SYSTEM.
 - LAY-IN ACOUSTICAL CEILING.
 - 8" x 8" x 16" CMU, GROUT ALL CELLS SOLID OVER LINTEL.
 - 4" CONC. SLAB W/6x6 W1.4 x W1.4 W.W.F.
 - 5/8" TYPE "X" GYP. BD.
 - LINE OF T.S. BEYOND, SEE STRUCTURAL.
 - 6", 25 GA. METAL STUDS @ 2'-0" O.C.
 - STEEL PLATE, SEE STRUCTURAL.
 - 3-5/8", 25 GA. METAL STUDS @ 2'-0" O.C.
 - 5/8" TYPE "X" SUSPENDED GYP.BD.
 - CONC. FOOTING, SEE STRUCTURAL.
 - (2) #5 HORIZ. CONT.
 - 8" x 8" x 16" KNOCK OUT BOND BEAM.
 - #5 VERTICAL @ 24" O.C. ALTERNATE HOOKS.
 - (2) #5 HORIZ. CONT. IN BOND BEAM BLOCK.
 - HORIZ. CONT. BARS SHALL EXTEND 16" PAST OPENING ON BOTH SIDES OF OPENING.
 - DIAGONAL BRACING, SEE STRUCTURAL.
 - TURN DOWN SLAB. SEE 11/5-1.

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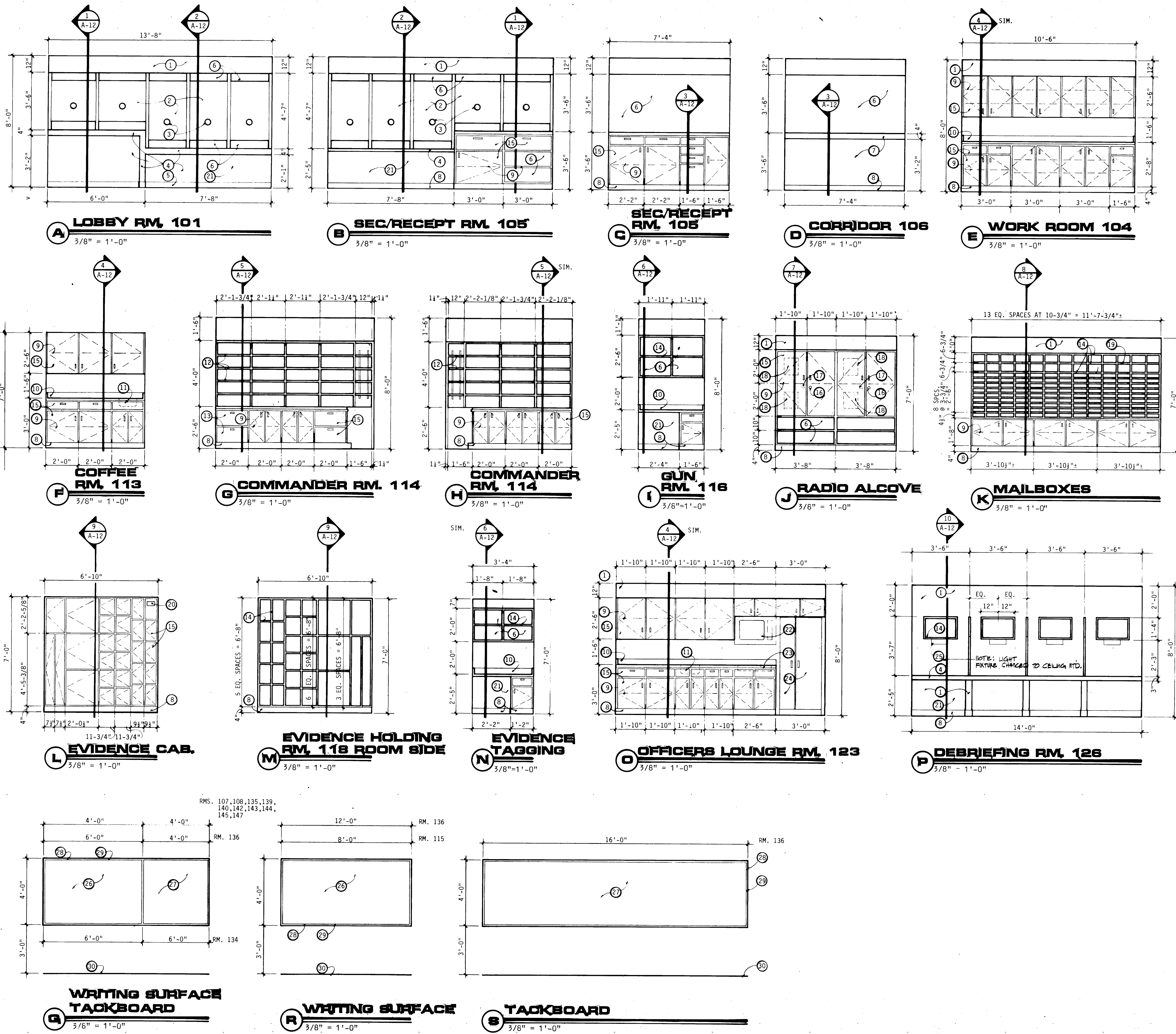
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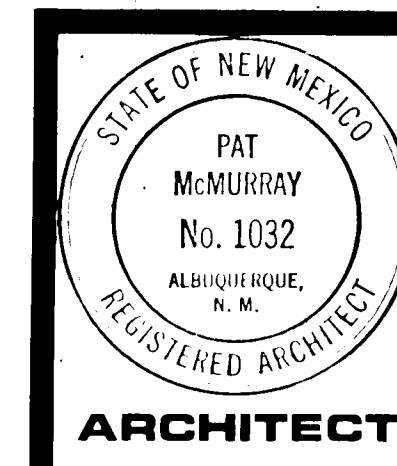
A-10

SHEET NO.



KEYED NOTES

- 5/8" TYPE "X" GYP. BD. ON MTL. STUDS @ 16" O.C.
- GLAZING TO BE 1" TEMPERED PLATE, SEE WINDOW TYPES J, SHEET A-4.
- 4" DIA. HOLE, TYP.
- PLASTIC LAMINATE.
- QUARRY TILE.
- OPEN.
- 3/4" PLYWOOD W/PLASTIC LAMINATE.
- VINYL BASE.
- FIXED SHELF.
- 4" BACKSLASH.
- SINK, SEE MECHANICAL.
- 3/4" BIRCH VENEER PLYWOOD ADJUSTABLE SHELVES.
- DRAWERS, SEE DETAIL INDICATED.
- 3/4" BIRCH VENEER PLYWOOD SHELVES.
- 3/4" BIRCH VENEER PLYWOOD PANEL.
- PROVIDE KEYPAD LOCK ON RIGHT PANEL DOOR EACH SIDE, AS SPECIFIED.
- PROVIDE INTERIOR LOCK (SAME AS EVIDENCE STORAGE) ON EACH LEFT SIDE PANEL, AS SPECIFIED.
- FILE HOLDERS, FOUR (4) TOTAL, AS SHOWN, SEE SECTION INDICATED.
- DEPTH OF MAILBOXES TO BE 16" CLEAR.
- 6" WIDE X 3" HIGH OPENING IN FIXED PANEL.
- KNEE SPACE.
- MICROWAVE, NOT IN CONTRACT.
- ELECTRIC COOKTOP.
- REFRIGERATOR, NOT IN CONTRACT.
- LIGHT FIXTURE, SEE ELECTRICAL.
- PORCELAIN ENAMEL WRITING SURFACE.
- TACKBOARD.
- ALUMINUM TRIM, ALL SIDES.
- SEE FLOOR PLAN FOR EXACT LOCATIONS.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS. CENTER BOARDS ON WALLS UNLESS OTHERWISE NOTED.
- FINISH FLOOR LINE.



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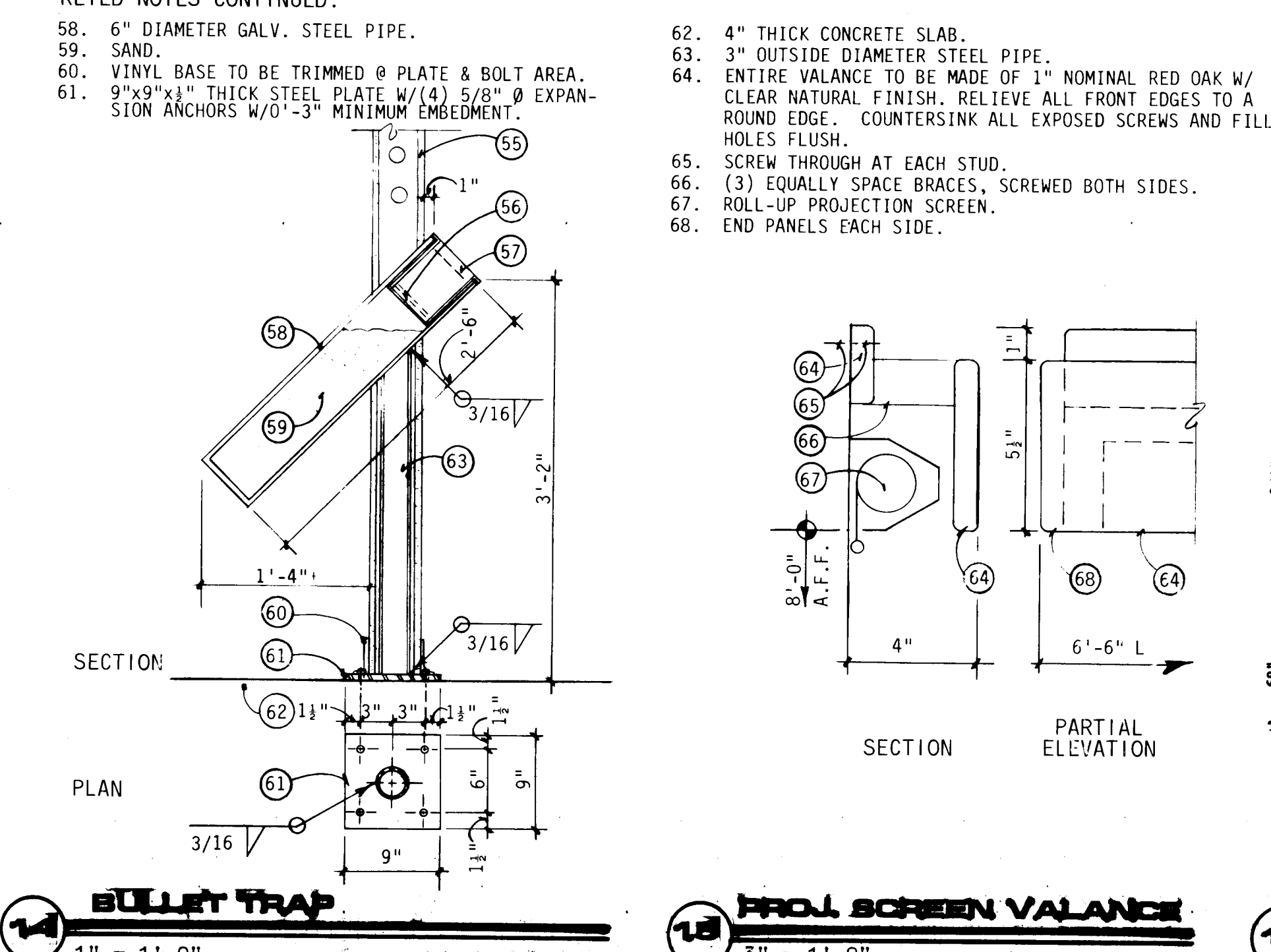
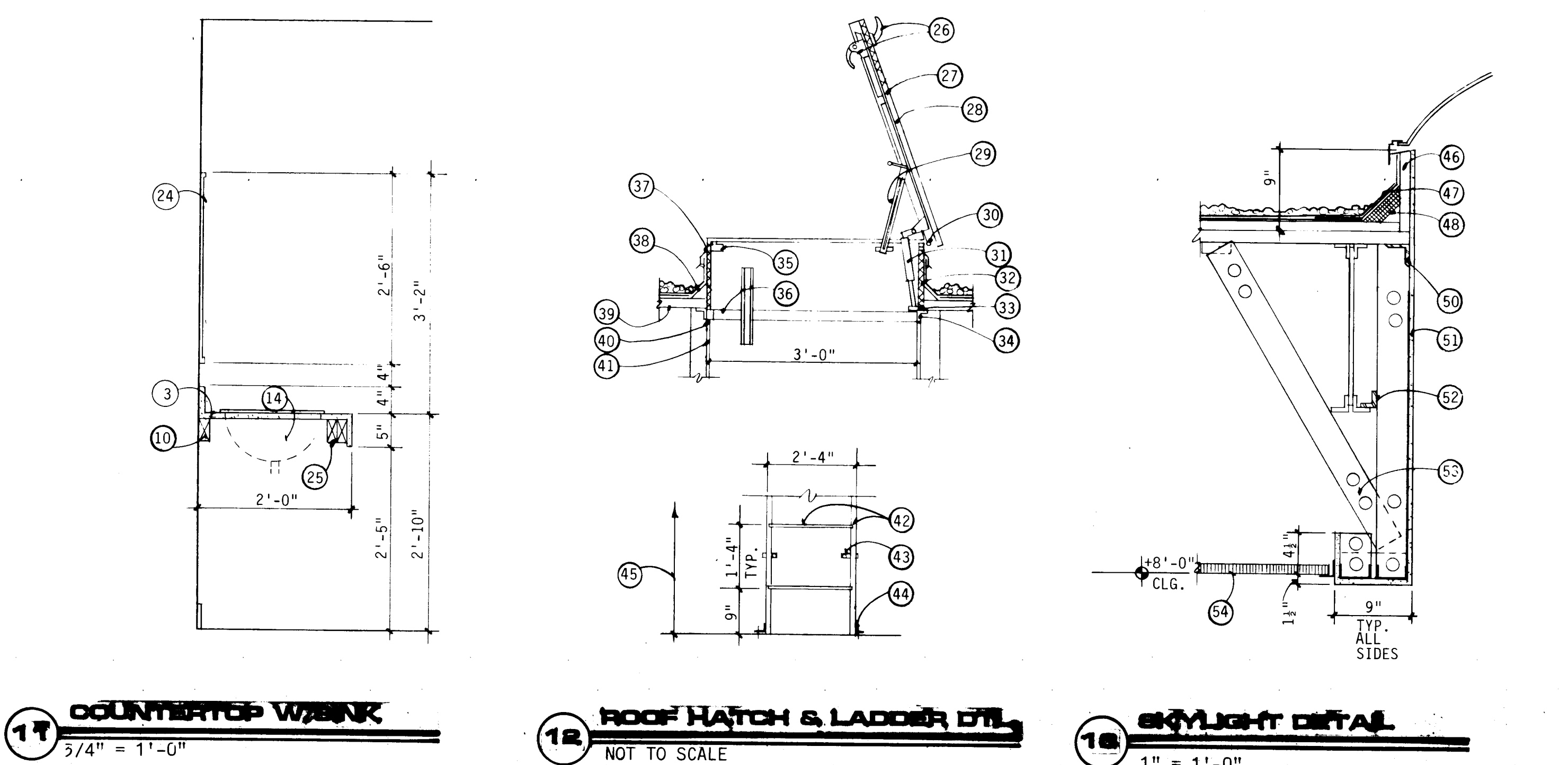
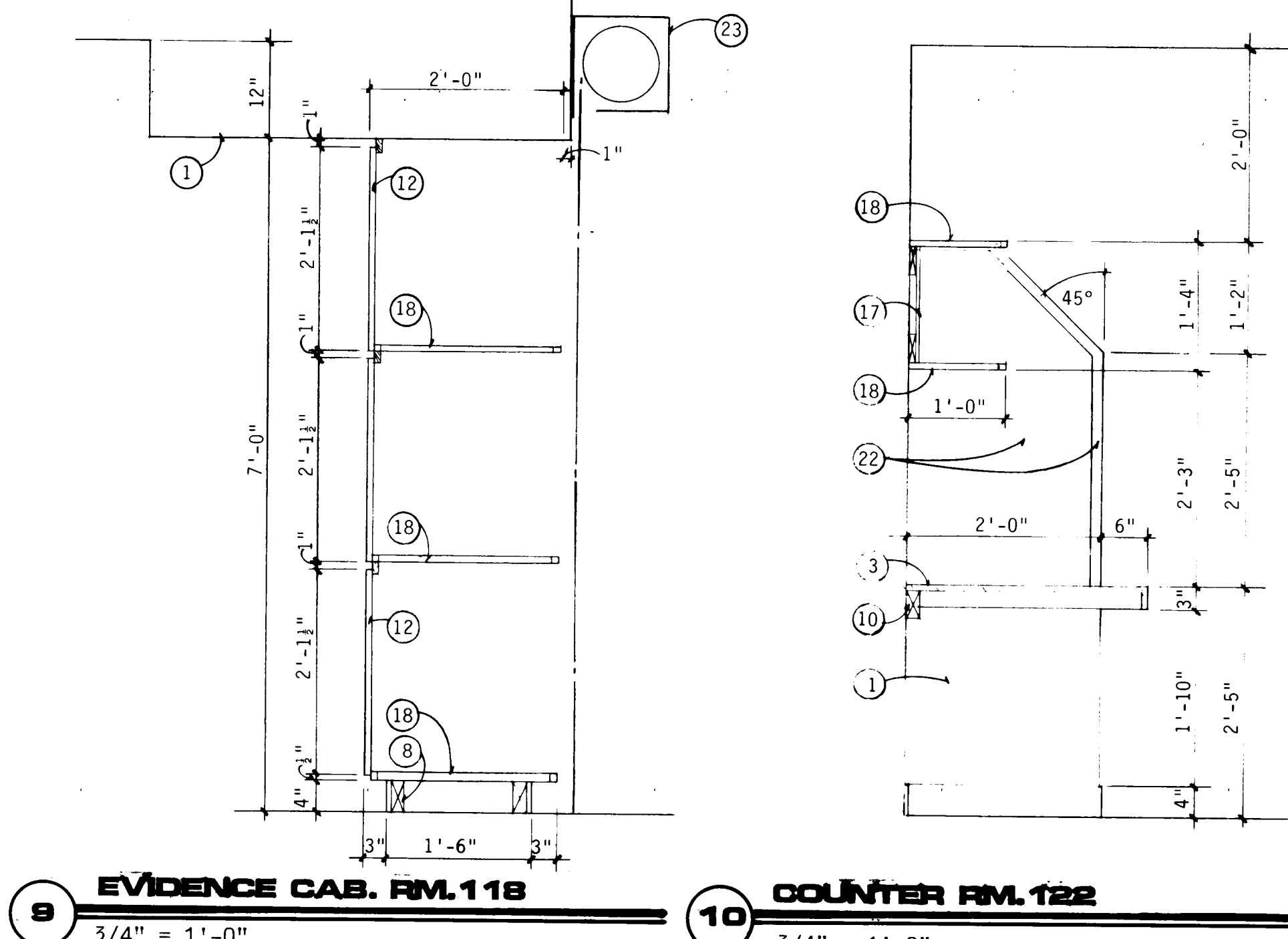
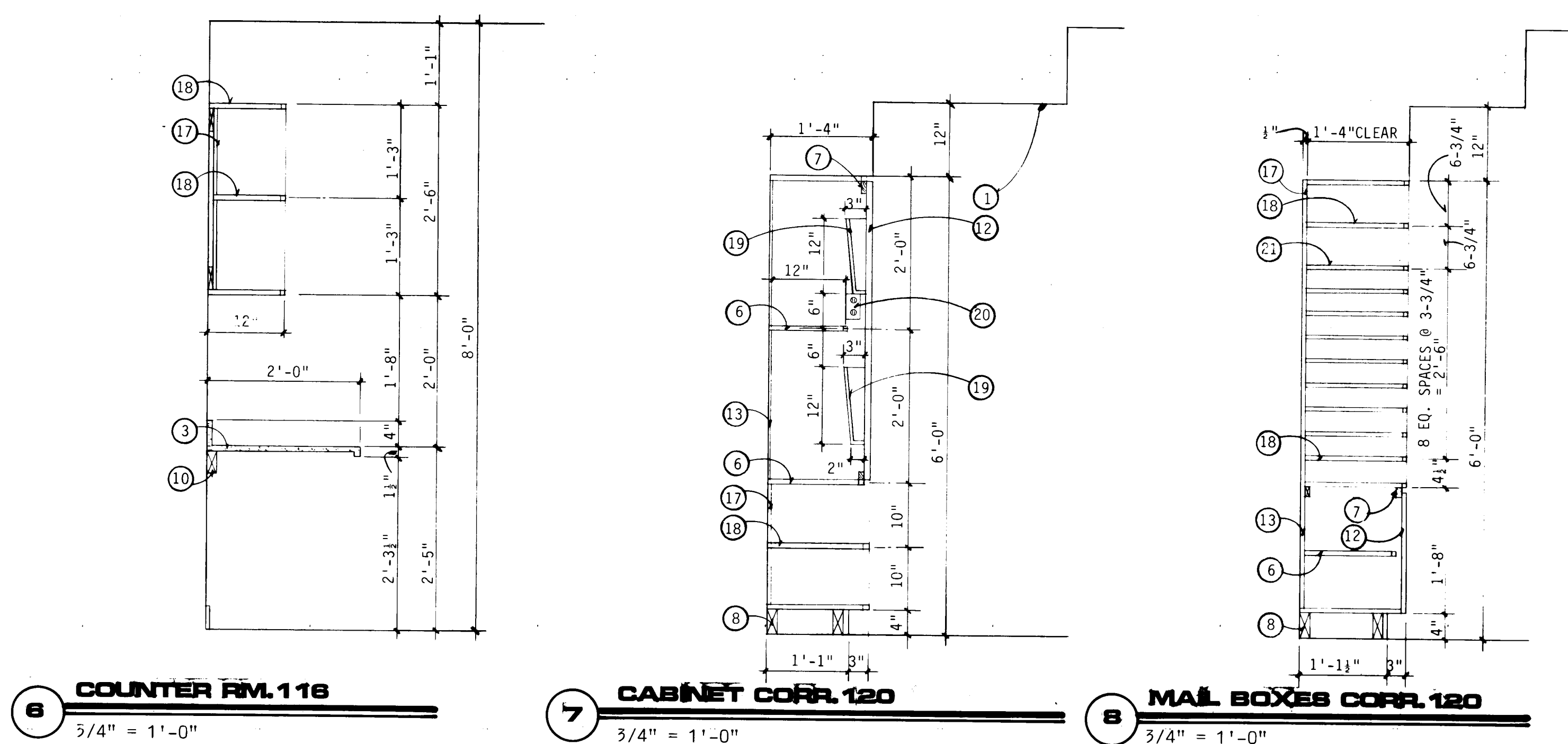
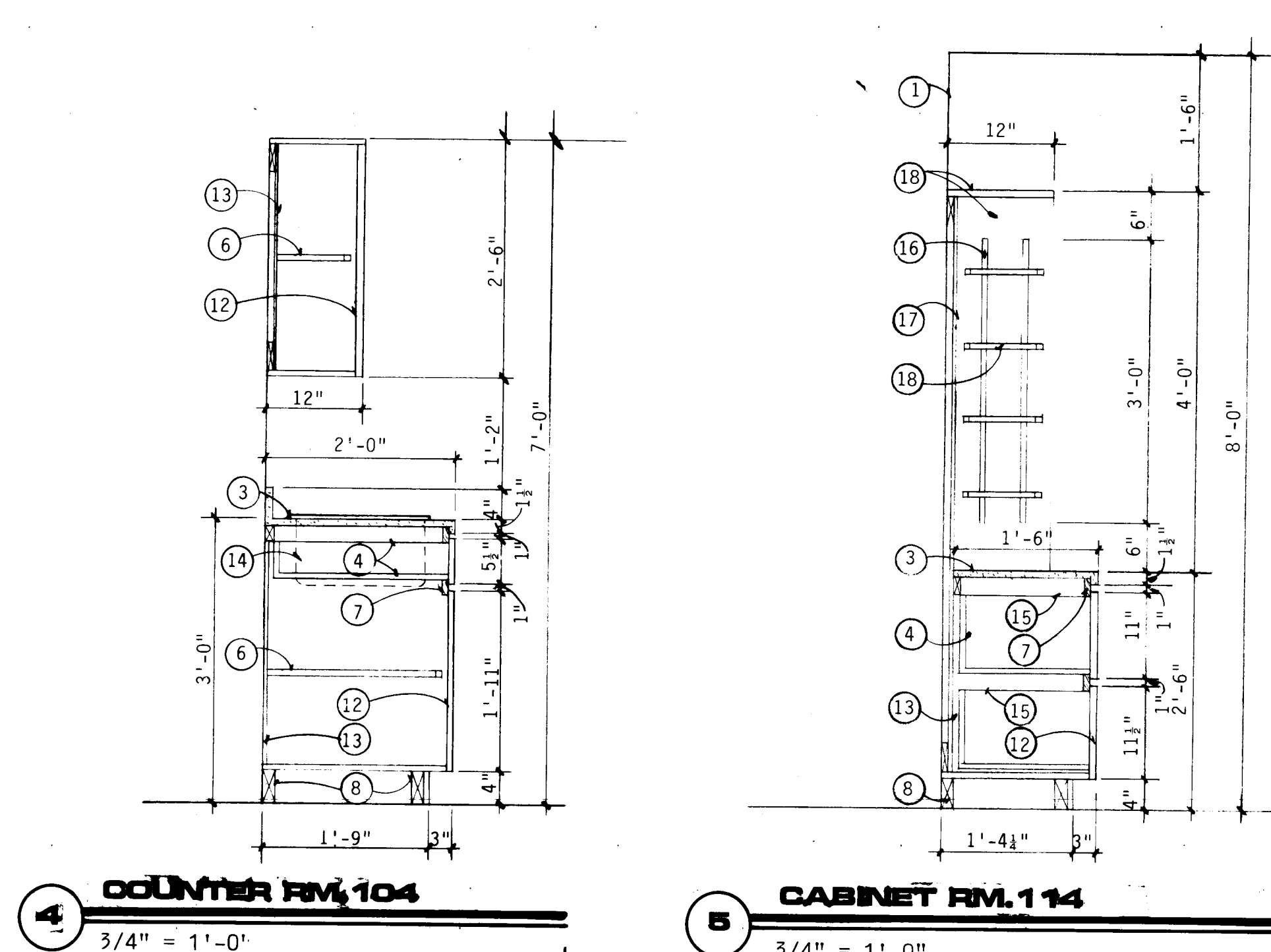
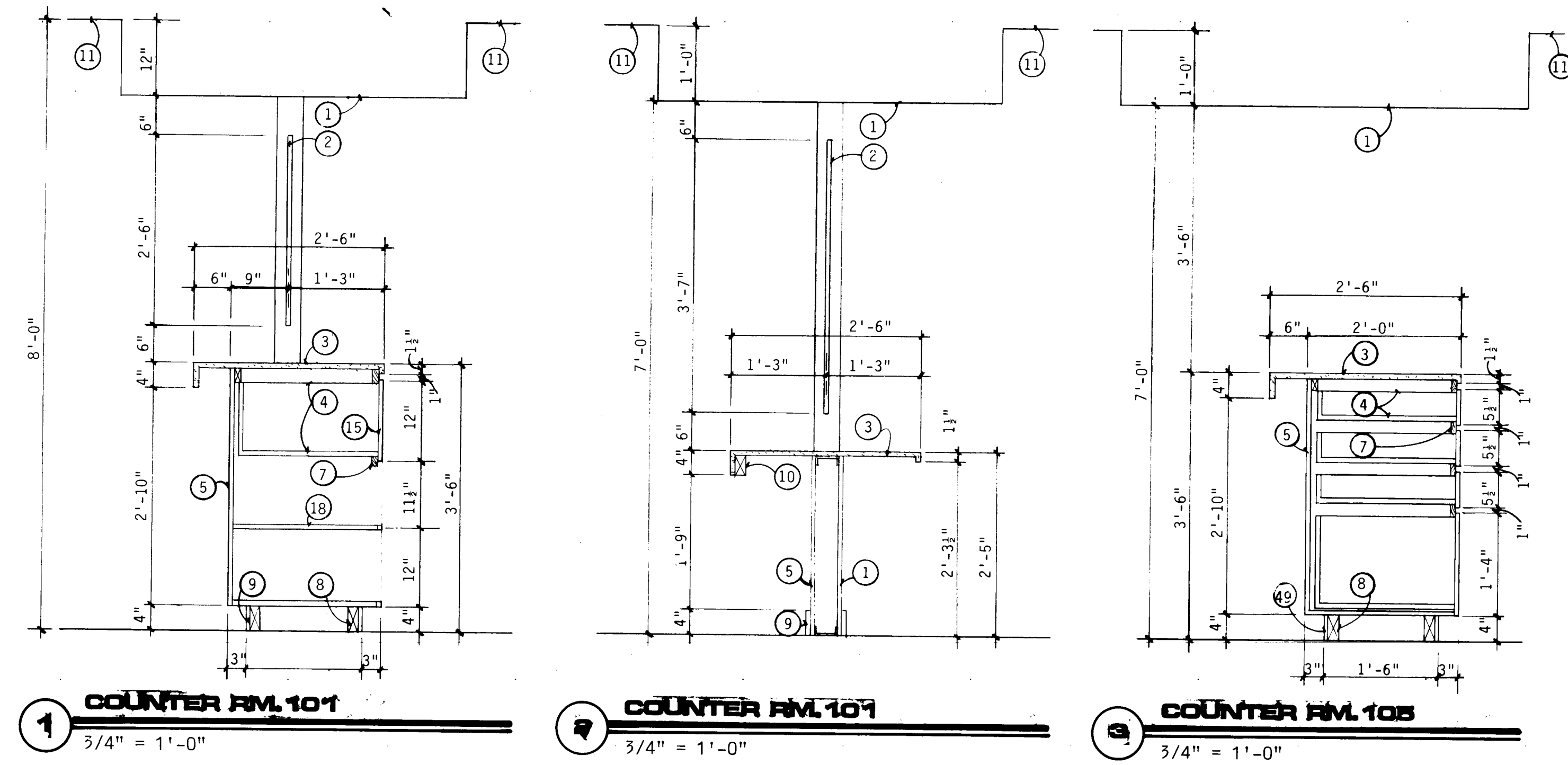
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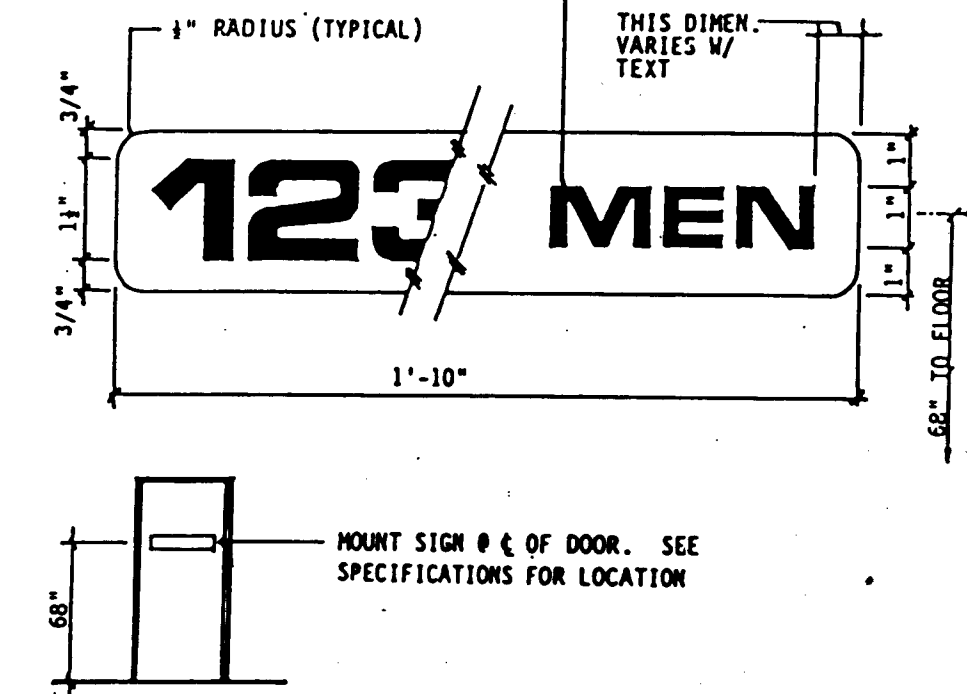
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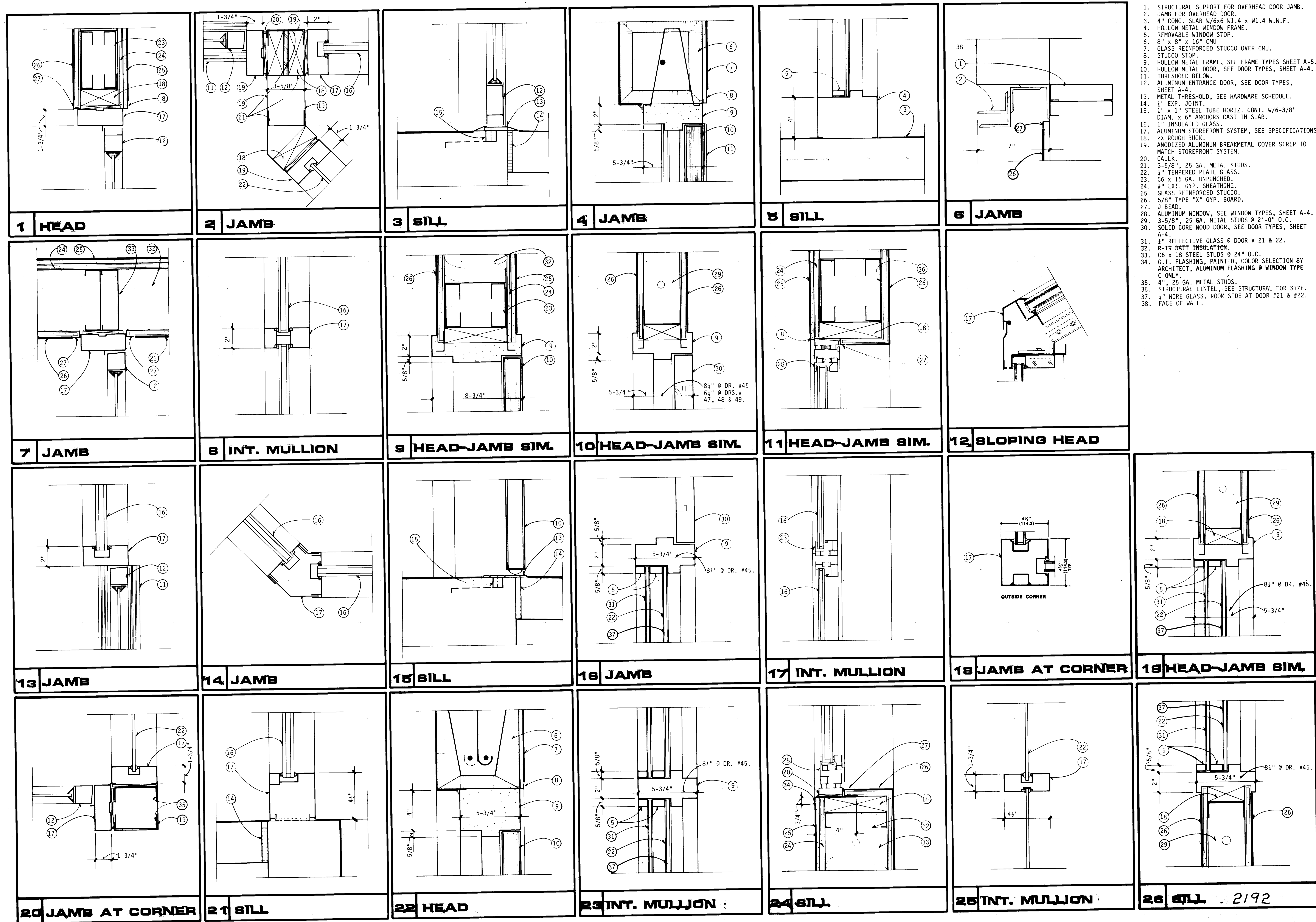


KEYED NOTES

- 5/8" TYPE "X" GYP. BD. ON MTL. STUDS @ 16" O.C.
- GLAZING TO BE 1" TEMPERED PLATE, SEE WINDOW TYPES J, SHEET A-4.
- COUNTERTOPS: PLASTIC LAMINATE OVER 3/4" PARTICLE BD., TO INCLUDE FRONT LIP, BACK & SIDE SPLASHES, WHERE APPLICABLE.
- DRAWERS: SIDES & BACK TO BE 1" MEDIUM DENSITY FIBER BD. W/1" TEMPERED HARDBOARD BOTTOMS.
- 3/4" PLYWOOD FRONT W/PLASTIC LAMINATE.
- UNEXPRESSED SHELVES: 3/4" INDUSTRIAL STRENGTH PARTICLE BOARD WITH HARDWOOD EDGES BANGED, TYPICAL.
- 3/4" HARDWOOD FRAME.
- BASE UNITS: TO REST ON (2) CONTINUOUS 4" HIGH SUPPORTS W/VINYL BASE ON ALL EXPOSED FACES AT KICK SPACES, EXCEPT WHERE OTHERWISE NOTED.
- QUARRY TILE BASE.
- 2x4 HORIZONTAL.
- ACOUSTICAL CEILING, SEE ROOM FINISH SCHEDULE.
- FRONT PANELS (DOOR, DRAWERS & FIXED PANELS): 3/4" BIRCH VENEER PLYWOOD W/HARDWOOD EDGES.
- UNEXPRESSED CABINET BACKS: 1/8" TEMPERED HARDBOARD.
- SINK, SEE MECHANICAL.
- PROVIDE 91" CLEAR HEIGHT MINIMUM INSIDE DRAWER FOR LEGAL FILES.
- HARDWARE: FOR ADJUSTABLE SHELVES TO BE KNAPE & VOGT #255 FLUSH MOUNT STANDARDS & #256 SUPPORTS.
- EXPRESSED CABINET BACKS: 1" BIRCH VENEER PLYWOOD.
- EXPRESSED SHELVES: 3/4" BIRCH VENEER PLYWOOD W/HARDWOOD EDGES VENEER BOTH Sides.
- FILE HOLDER: 1" BIRCH VENEER PLYWOOD W/HARDWOOD EDGES 10" WIDE X 12" HIGH.
- DUPLEX OUTLET 54" A.F.F. & 12" FROM REAR WALL, ONE EACH SIDE.
- DEPTH OF MAIL BOXES TO BE 16" CLEAR.
- 3/4" PLYWOOD W/3" HOMOSOTE BOARD EACH SIDE W/BIRCH TRIM COVERING EACH SIDE W/1X BIRCH TRIM TYPICAL.
- 24 GA. METAL ENCLOSURE AROUND COILING DOOR.
- MIRROR.
- DBL. 2x4's, ANCHOR AT EACH END TO SIDE WALLS.
- SPRING LATCH.
- COVER.
- 1" FIBERGLASS INSULATION.
- AUTOMATIC HOLD OPEN ARM AND COVER RELEASE.
- HINGE.
- LIFTING MECHANISM HOUSING.
- CURB.
- 1" RIGID FIBER INSULATION ALL AROUND OUTSIDE OF CURB.
- 3" x 3" x 1" ANGLE.
- PADLOCK HASP.
- STEEL ANGLE TAB 3" WIDE WELDED TO FRAME & BOLT TO LADDER W/1" DIA. BOLTS.
- FLASHING.
- 26 GA. GALVANIZED IRON FLASHING & COUNTER-FLASHING.
- METAL DECK BOLTED TO ANGLES.
- 3" BEAD.
- 5/8" TYPE "X" GYP. BOARD.
- LADDER VERTICAL SUPPORTS TO BE STEEL CHANNEL 3" x 4.1 x REQUIRED LENGTH, DRILLED TO RECEIVE STANDARD WEIGHT STEEL PIPE RUNG 3/4" DIA. WELD ON OUTSIDE AND GRIND SMOOTH.
- WELD 1" x 3" x 10" STEEL ANGLE PLATE TO CHANNEL AND BOLT TO WALL AT MIDPOINT.
- 2" x 2" CLIP ANGLES BOLTED TO FLOOR & WELDED TO LADDER.
- CONTRACTOR VERIFY LENGTH TO TOP OF JOIST.
- SUNLIGHT W/INSULATED CURB, SEE SPECS.
- FLASHING W/COUNTERFLASHING.
- 4" FIBER CANT.
- VINYL BASE.
- ANGLES, SEE STRUCTURAL.
- 5/8" TYPE "X" GYP. BD. OVER 3-5/8" STEEL STUDS @ 16" O.C.
- 2"x2"x1" STEEL ANGLE.
- 3-5/8" STEEL STUD BRACE, ATTACH TO METAL DECK.
- LAY-IN ACOUSTICAL CEILING.
- 5/8" TYPE "X" GYP. BD. OVER 3-5/8" STEEL STUDS @ 24" O.C.
- 3/8" WIDE STEEL BAND W/SET SCREW W/INSECT SCREEN.
- 1" WIDE X 1/8" DEEP STEEL BAND SPACER, FOR INSERT REMOVAL.

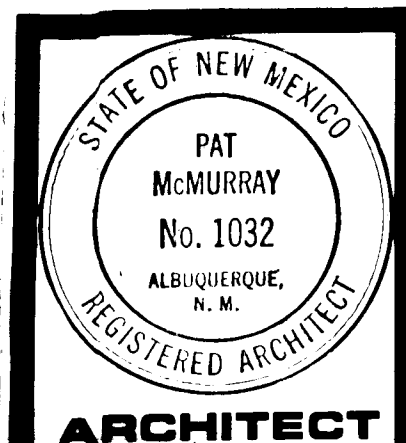
PROVIDE LETTERS AND NUMBERS AS SHOWN IN SPECIFICATIONS. ALL TEXT TO BE RECESSED FOR HANDICAPPED IDENTIFICATION.





KEYED NOTES

- STRUCTURAL SUPPORT FOR OVERHEAD DOOR JAMB.
- JAMB FOR OVERHEAD DOOR.
- 4" CONC. SLAB W/6x6 W1.4 x W1.4 W.W.F.
- HOLLOW METAL WINDOW FRAME.
- REMOVABLE WINDOW STOP.
- 8" x 8" x 16" CMU.
- GLASS REINFORCED STUCCO OVER CMU.
- STUCCO STOP.
- HOLLOW METAL FRAME, SEE FRAME TYPES SHEET A-5.
- HOLLOW METAL DOOR, SEE DOOR TYPES, SHEET A-4.
- THRESHOLD BELOW.
- ALUMINUM ENTRANCE DOOR, SEE DOOR TYPES, SHEET A-4.
- METAL THRESHOLD, SEE HARDWARE SCHEDULE.
- 1" EXP. JOINT.
- 1" x 1" STEEL TUBE HORIZ. CONT. W/6-3/8" DIAM. x 6" ANCHORS CAST IN SLAB.
- 1" INSULATED GLASS.
- ALUMINUM STOREFRONT SYSTEM, SEE SPECIFICATIONS.
- 2X ROUGH BRICK.
- ANODIZED ALUMINUM BREAKMETAL COVER STRIP TO MATCH STOREFRONT SYSTEM.
- CAULK.
- 3-5/8" x 25 GA. METAL STUDS.
- 1" TEMPERED PLATE GLASS.
- C6 x 16 GA. UNPINCHED.
- 1" EXT. GYP. SHEATHING.
- GLASS REINFORCED STUCCO.
- 5/8" TYPE "X" GYP. BOARD.
- 1" HEAD.
- ALUMINUM WINDOW, SEE WINDOW TYPES, SHEET A-4.
- 3-5/8" x 25 GA. METAL STUDS @ 2'-0" O.C.
- SOLID CORE WOOD DOOR, SEE DOOR TYPES, SHEET A-4.
- 1" REFLECTIVE GLASS @ DOOR # 21 & 22.
- 2'-0" BATT INSULATION.
- C6 x 18 STEEL STUDS @ 24" O.C.
1. FLASHING, PAINTED, COLOR SELECTION BY ARCHITECT, ALUMINUM FLASHING @ WINDOW TYPE C ONLY.
- 4" x 25 GA. METAL STUDS.
- STRUCTURAL LINTEL, SEE STRUCTURAL FOR SIZE.
- 1" WIRE GLASS, ROOM SIDE AT DOOR #21 & #22.
- FACE OF WALL.



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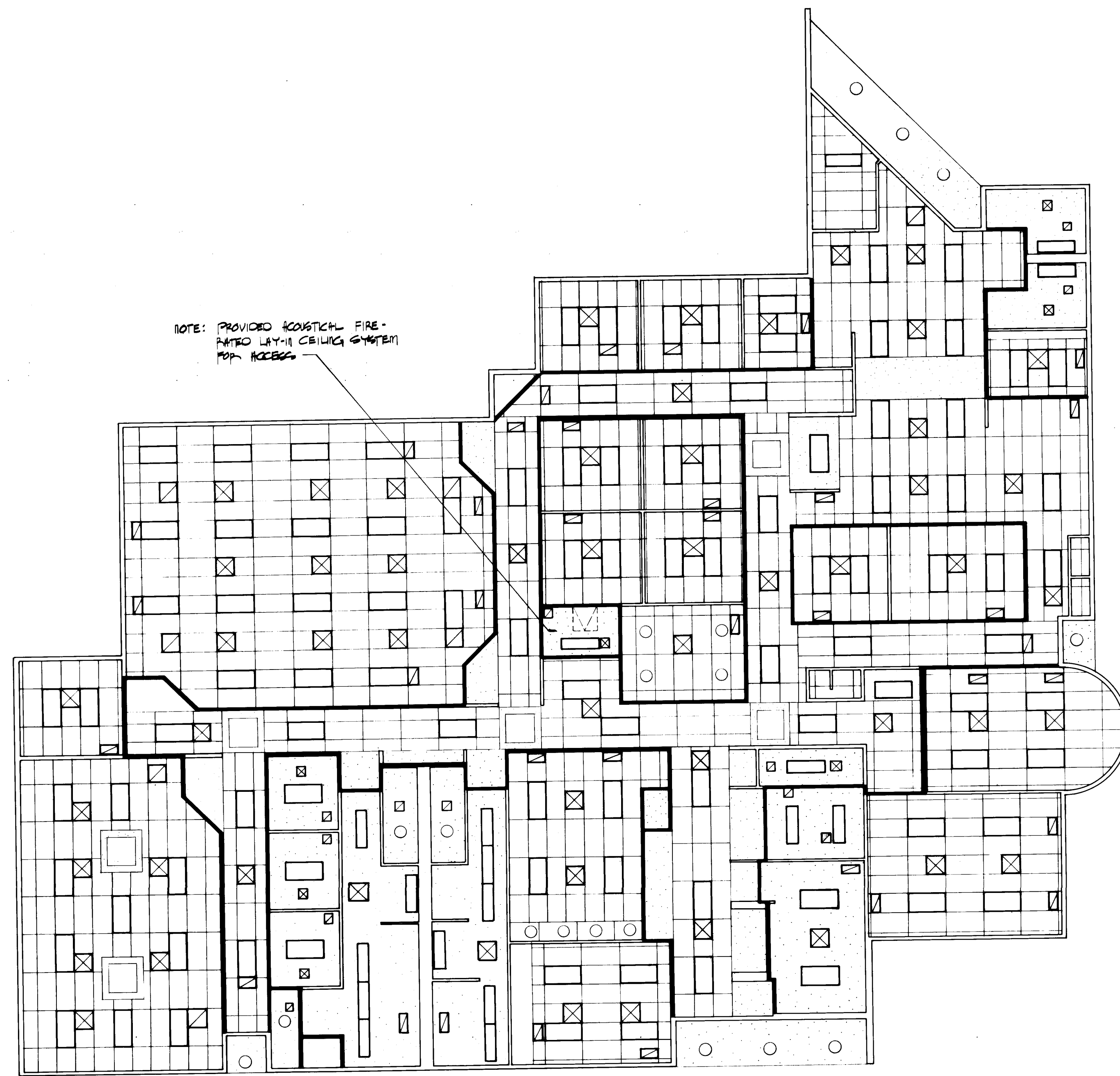
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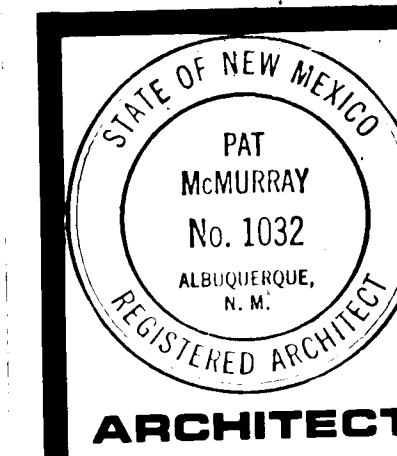
SCALE: 3" = 1' - 0" UNLESS NOTED OTHERWISE



REFLECTED CEILING PLAN

1/8" = 1'-0"

LEGEND	
	2x4 LAY-IN ACOUSTICAL CEILING PANEL
	GYPSUM BOARD CEILING
	FLUORESCENT LIGHT FIXTURE
	INCANDESCENT LIGHT FIXTURE
	SUPPLY REGISTER
	RETURN AIR GRILLE
	EXHAUST GRILLE
	SKYLIGHT
	1 HOUR RATED PARTITION, CARRY ENTIRE WALL ASSEMBLY UP TO UNDERSIDE OF ROOF DECK.



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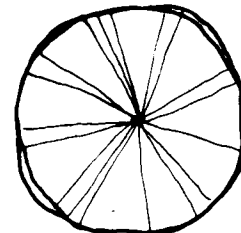
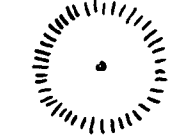




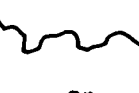






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LOS VOLCANOS N.W.

valley west side police substation

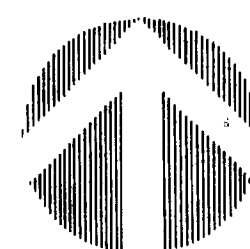
-  24" BOX LONDON PLAIN
-  15 GAL CEDRUS DEODARA
-  5 GAL LEYLANDII CYPRESS
-  15 GAL PURPLE LEAF PLUM
-  14'-16' RUSSIAN OLIVE
-  6'-10' PALM YUCCA
-  5 GAL TAM JUNIPER
-  7 GAL SPARTAN JUNIPER
-  SOD LAWN - SOIL PREP.
-  RED GRAVEL OVER 6 MIL PLASTIC
-  SANDSTONE BOULDER - MIN. 300 LBS
-  RYERSON STEEL EDGING
-  RB 2800 POP-UP SPRINKLER / GALV. 12" RISERS

IRRIGATION NOTES:

- RC 7 TIMER TO BE LOCATED BY ARCHITECT
- TRICKLE IRRIGATION TO ALL PLANT MATERIAL NOT LOCATED IN LAWN AREAS
- PVC SLEEVES TO BE USED
- BRASS RAINBIRD VALVES
- PLASTIC VALVE PITS / LIDS
- VALVES 30" DEEP
- MAINS 36" DEEP
- ALL OTHER PIPING MIN. 18" DEEP

NO PLASTIC IN PONDING AREA

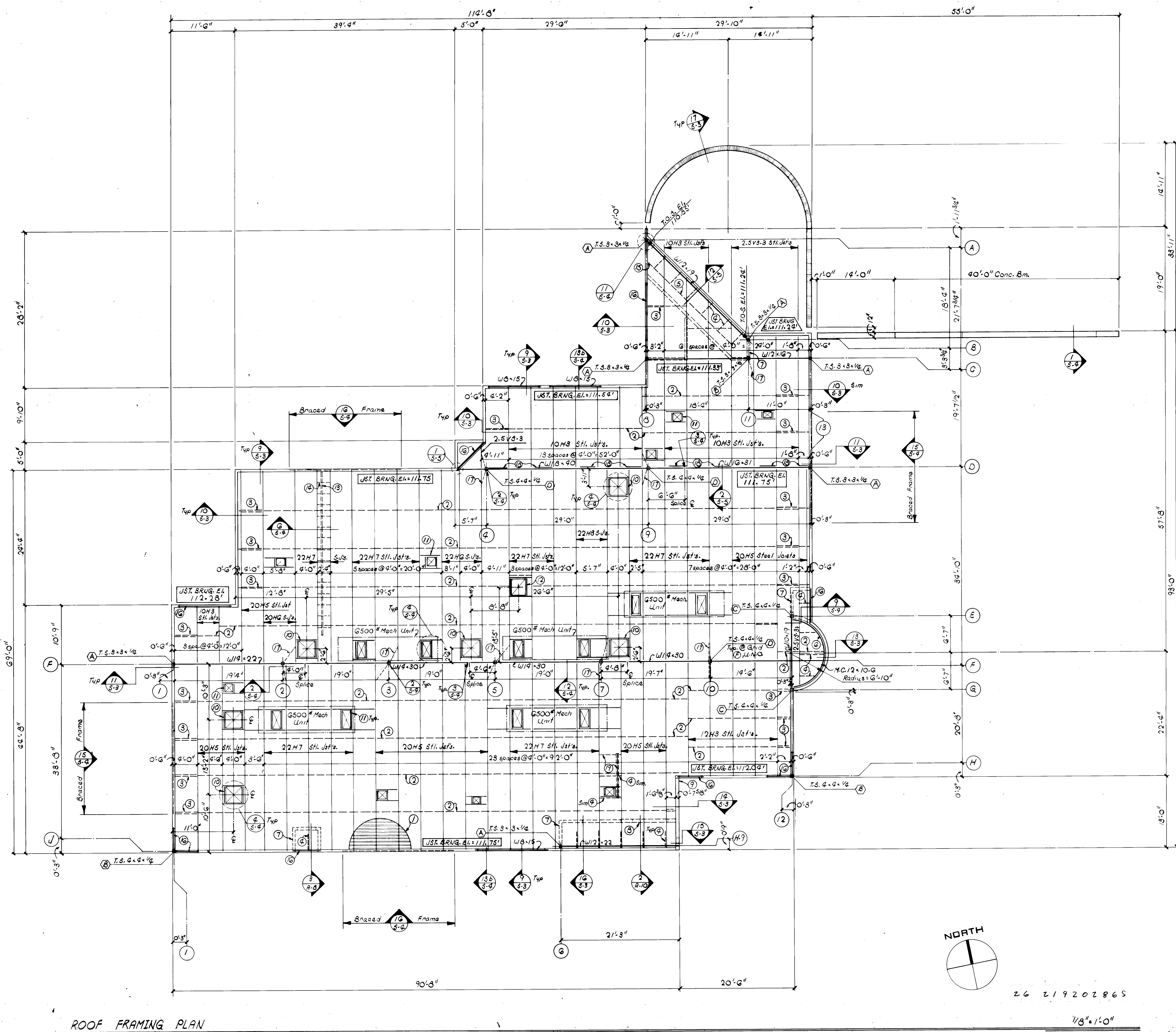
SCALE: 1" = 20'-0"



THE HILLTOP INC. - JAMES DE FLON A.S.L.A.

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- KEYED NOTES**
1. Metal Decking, See Metal Deck Notes and Typical Details this sheet.
 2. Bridging, $1/4" \times 1/4" \times 9'$, locate as shown on plan. See Section 10 & 11/5-3.
 3. X-Bracing, $1/4" \times 1/4" \times 9'$, locate as shown on plan. See Section 10 & 11/5-3.
 4. Diagonal Bracing, C-8's @ $4' \times 10'$ o.c., locate as shown on plan. See Section 10 & 11/5-3.
 5. Continuous $2 \times 4 \times 1/2"$ welded to Stl. Joists, See Section 10/5-3.
 6. F.S. $2 \times 4 \times 1/2"$ spaced, welded to M.C. Channels, See Section 10/5-3.
 7. Non-Bearing Metal Stud Wall below, See Foundation and Floor Plans & Sections.
 8. Non-Bearing C.M.U. wall below $4' \times 8'$ o.c. C.M.U. lintel w/ 2×4 continuous extend reinforcing 16" min. beyond opening, grout solid. See Section 2/4/10.
 9. Stone C.M.U. wall, See Plans and Sections.
 10. Skylight Opening Frame, See Details 4 & 5/5-3 See Arch. for Opening Size.
 11. Mechanical Unit Opening Frame, See Details 4 & 5/5-3. See Arch. for Opening Size.
 12. Roof Hatch Opening Frame, See Details 4 & 5/5-3. See Arch. for Opening Size.
 13. Line of Movable Partition below, See Arch.
 14. Movable Partition Support Frame, See Section 10/5-3.
 15. Weld end of Continuous angle to Solid C-Blocking @ Stud Wall.
 16. Double U.G. (gas, jets @ Lintel, See Sections 10 & 11/5-3.
 17. Diagonal $1/2 \times 1/2 \times 1/2$ welded to the chord of steel joist and bottom flange of beam, slope angle @ 1 to 1.
 18. $2 \times 4 \times 3 \times 8'$ weld to W.F. beam and Metal Deck, locate @ alternate joint space. See Section 2/4/10.
 19. Provide support for Roll-up Fire Door as follows: Construct Opening as per 10/5-3 with $2 \times 4 \times 1/2"$ angle plate @ top side extending to roof deck and Double U.G. 16 gal. lintel @ top of opening. Brace with Diagonal C-8's @ $4' \times 10'$ Unbraced from the chord of steel joists to top of lintel. See Arch. for location & size.

- METAL DECK NOTES & TYP. DETAILS**
1. Type B painted 16×22 gal. Metal Deck Connect w/ $5/8"$ puddle weld at $5' \times 10'$ at supports and panometer angles including all components connected to shear plates. Provide Top Stud Welds @ $5'$ o.c. (not at $20'$ o.c. on 2×2 T.E.S. @ $20'$ o.c.).
 2. Provide all Metal Deck accessories, closures, reinforcement, complete as per Manufacturer's Recommendations and per contract documents.
 3. See Roof Deck Details Sheet 3-A for framing and metal deck reinforcing around openings.
 4. **SHEARPLATE DETAIL** (Type @ all Panometers)

NOTE: Provide Shear-Plate & Counter-Flange Detail
 5. **WELD TO SUPPORT DETAIL**

NOTE: $5/8"$ puddle weld with NO burn-through
 6. **TOP SEAM WELD DETAIL**

NOTE: Clinch first to get contact of top $1/2"$ long weld must engage top of main lag.
 7. Button Punching is NOT allowed as a substitute for Top Seam Welding.

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VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO

PROJECT NO.
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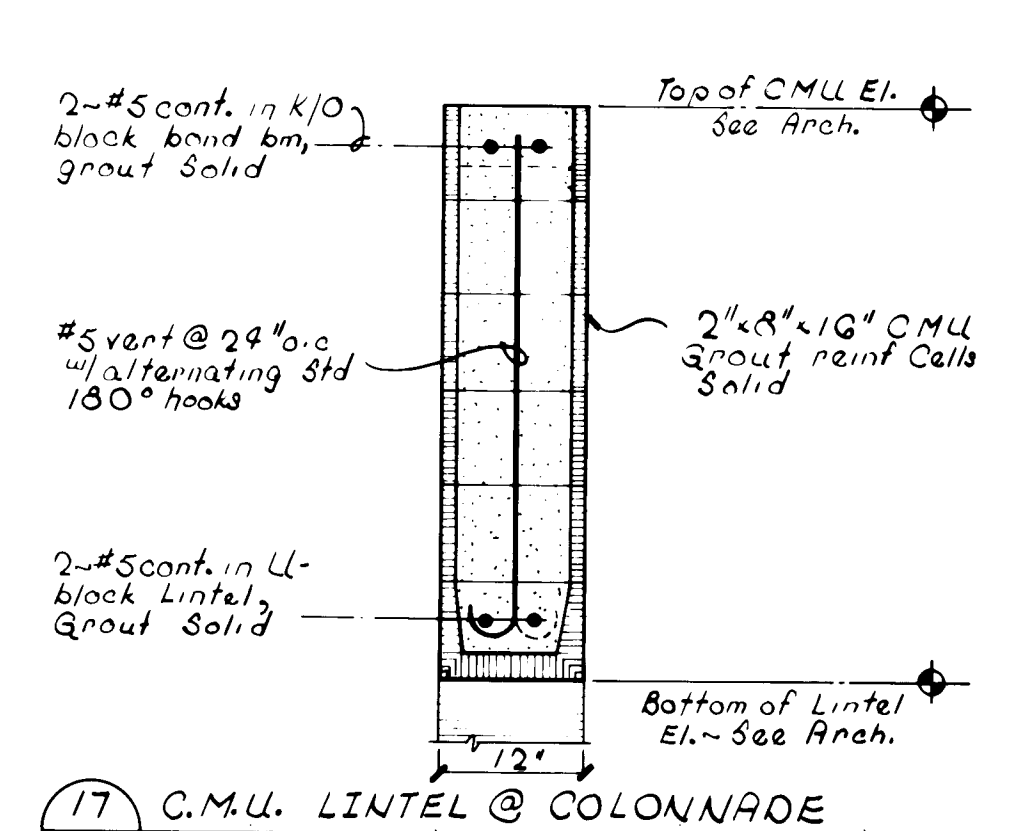
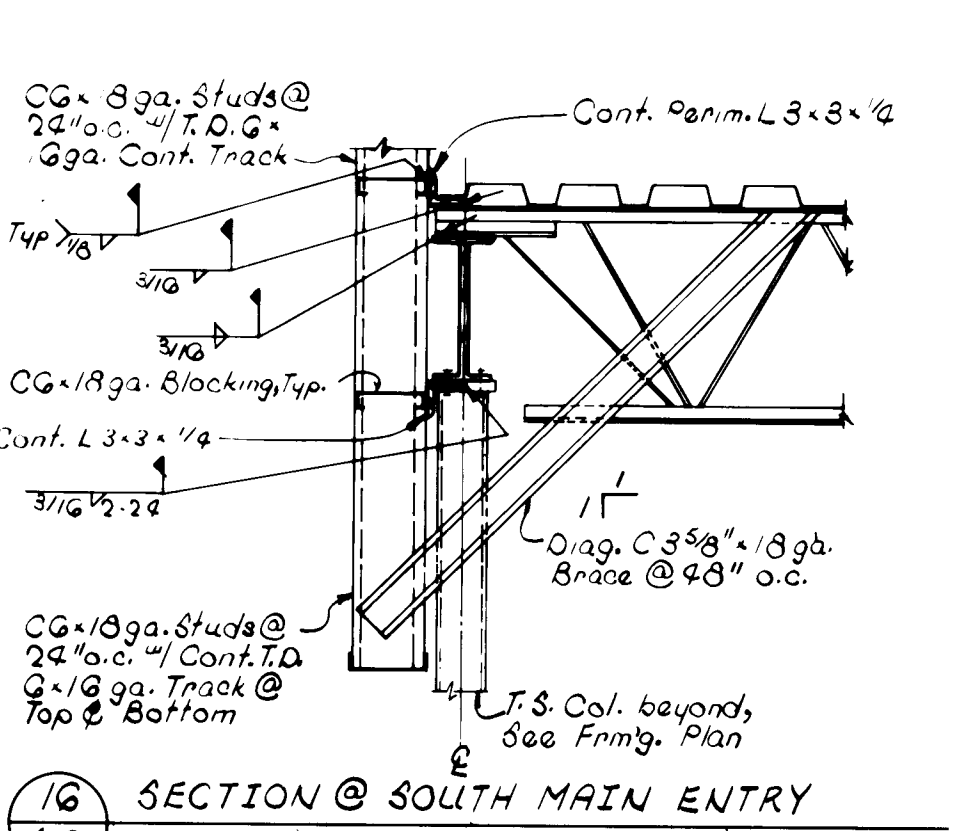
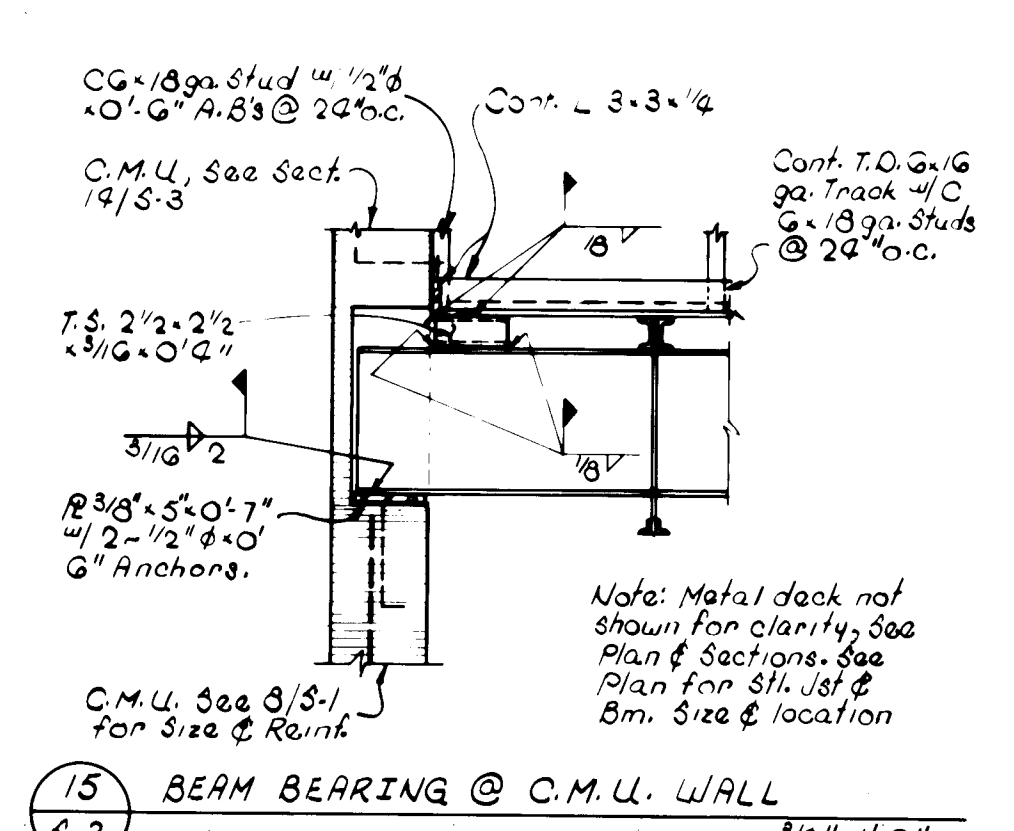
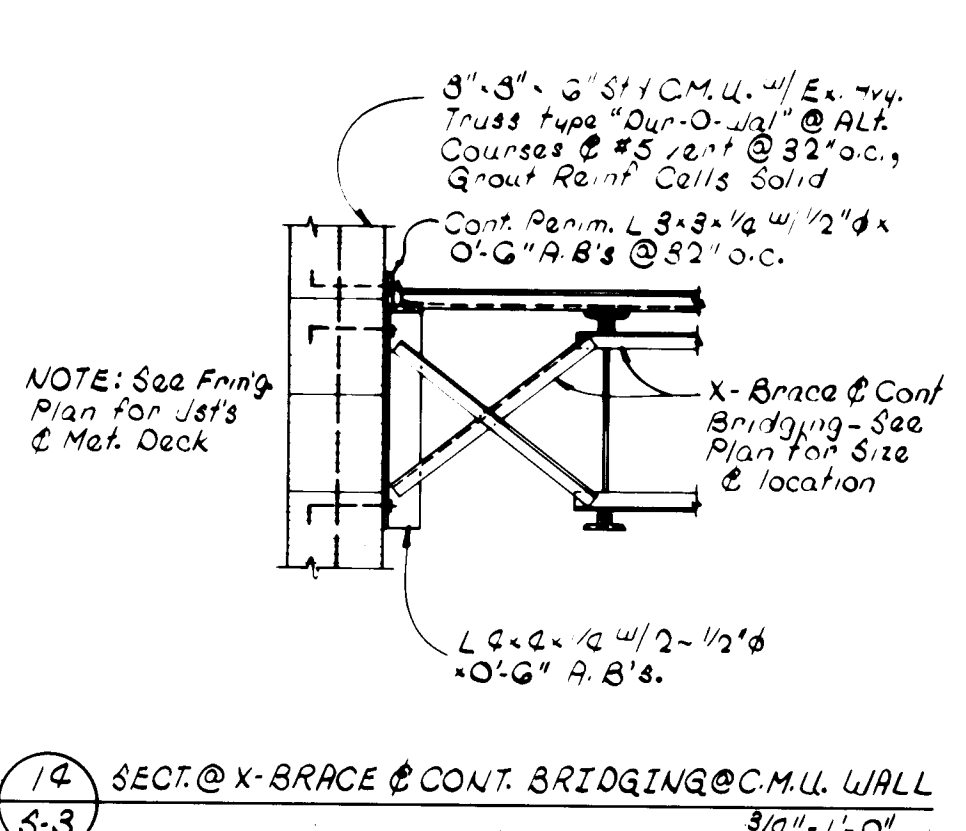
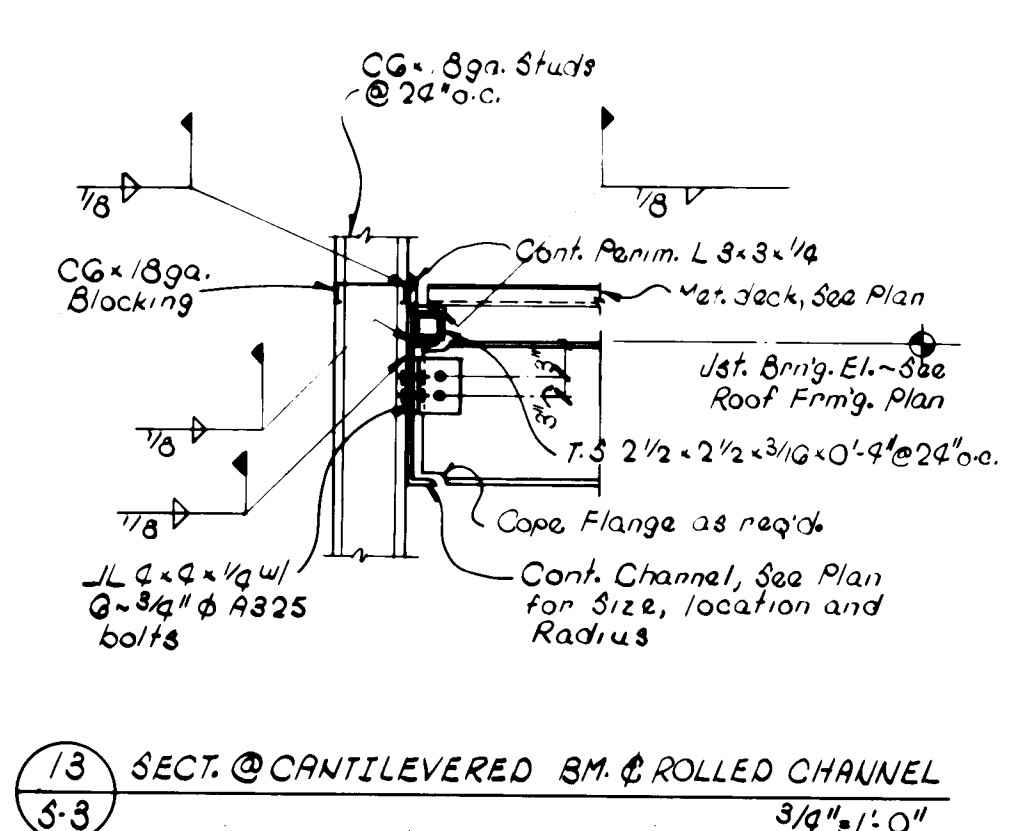
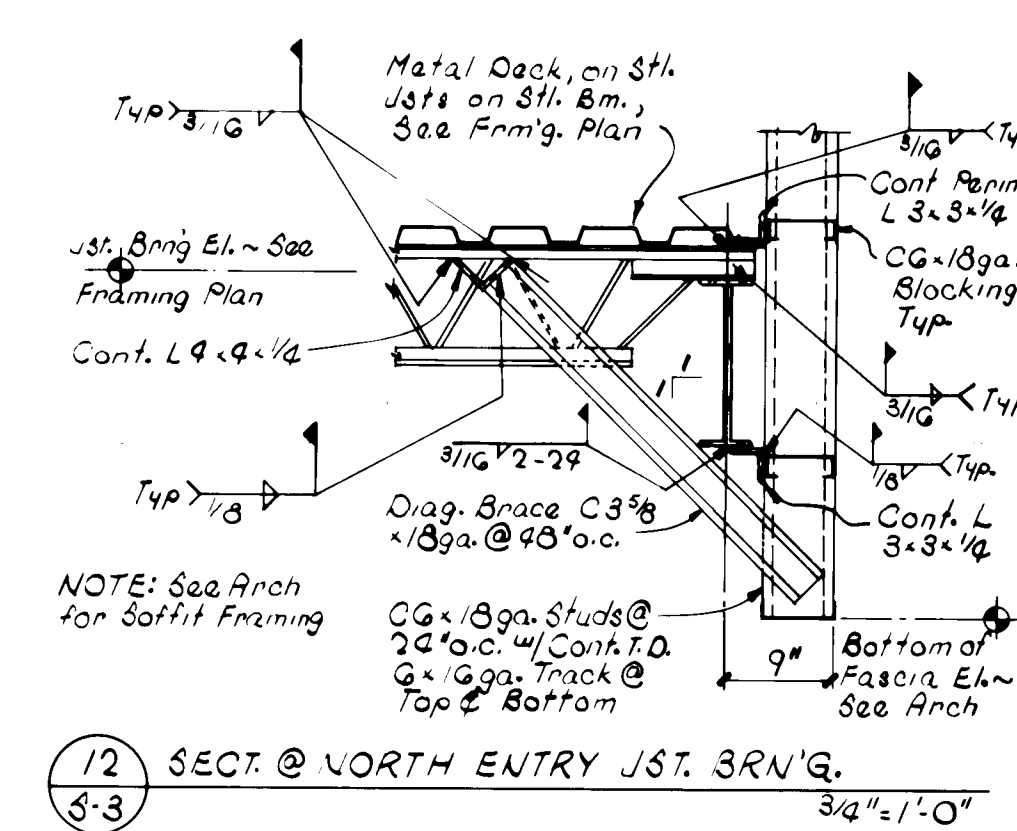
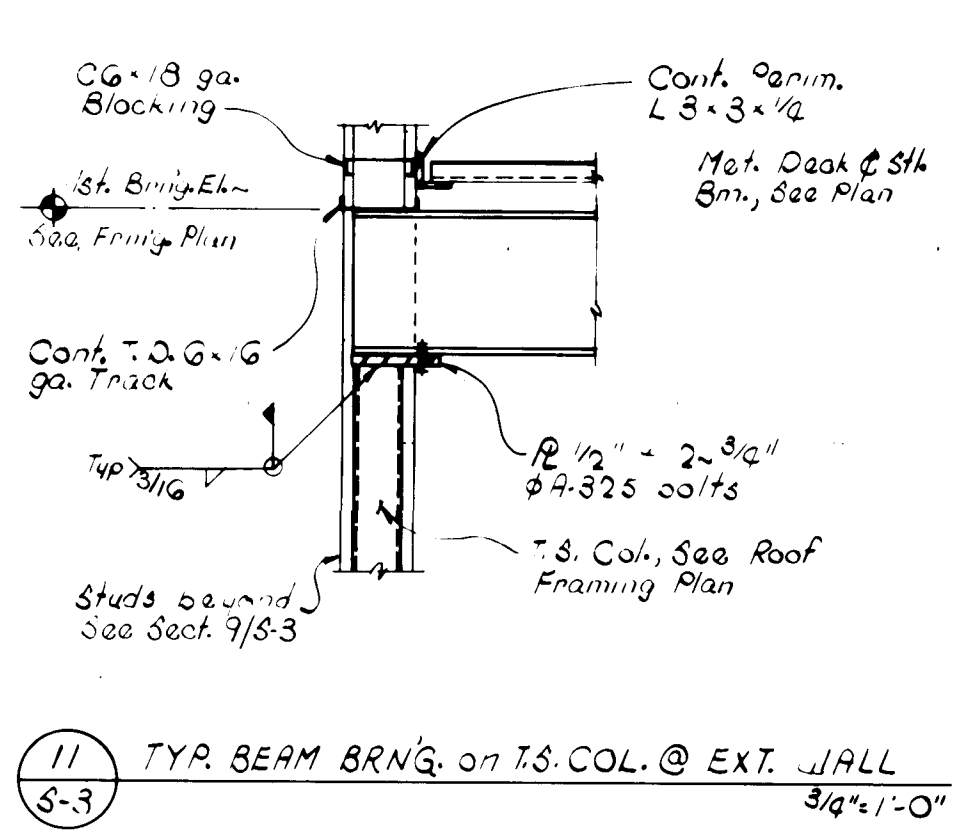
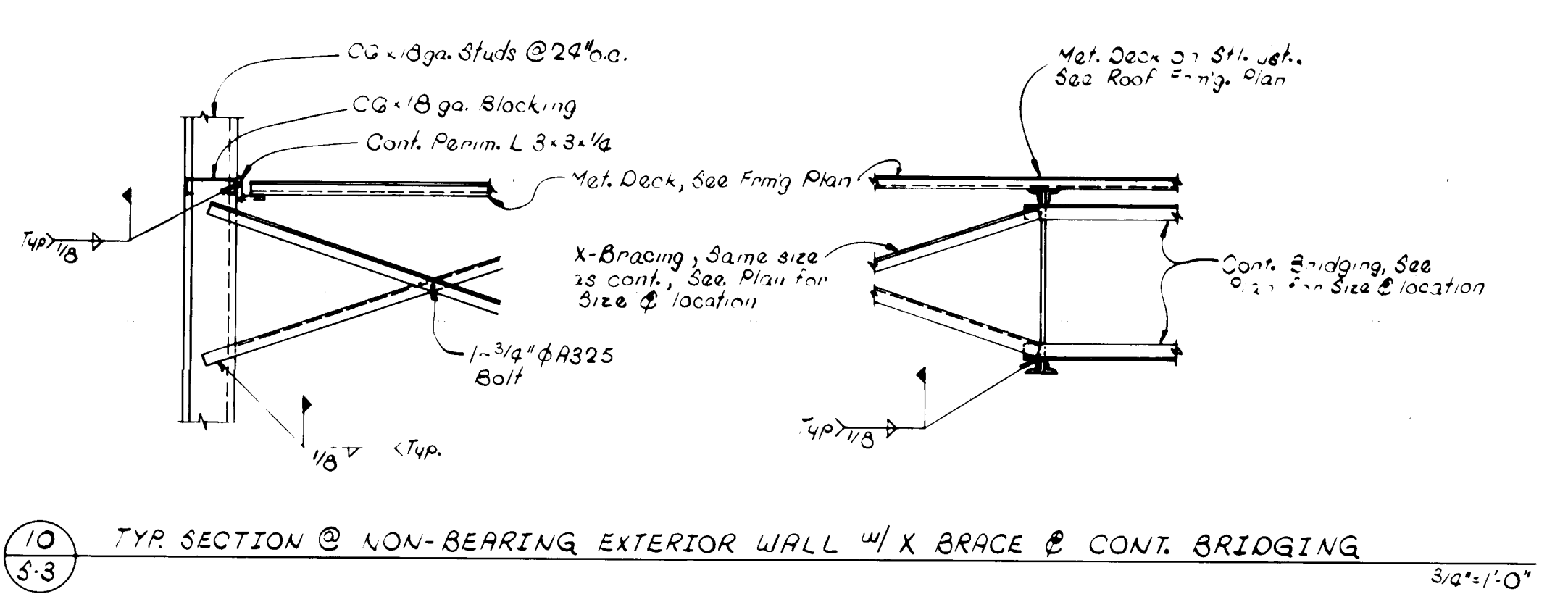
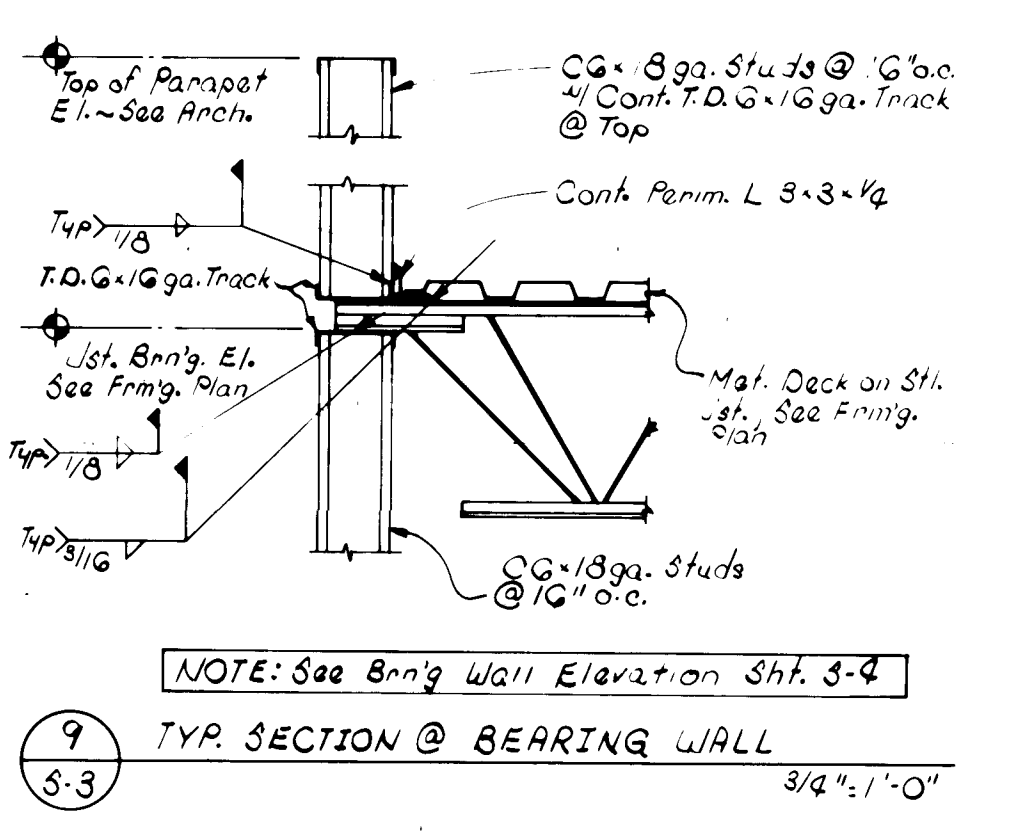
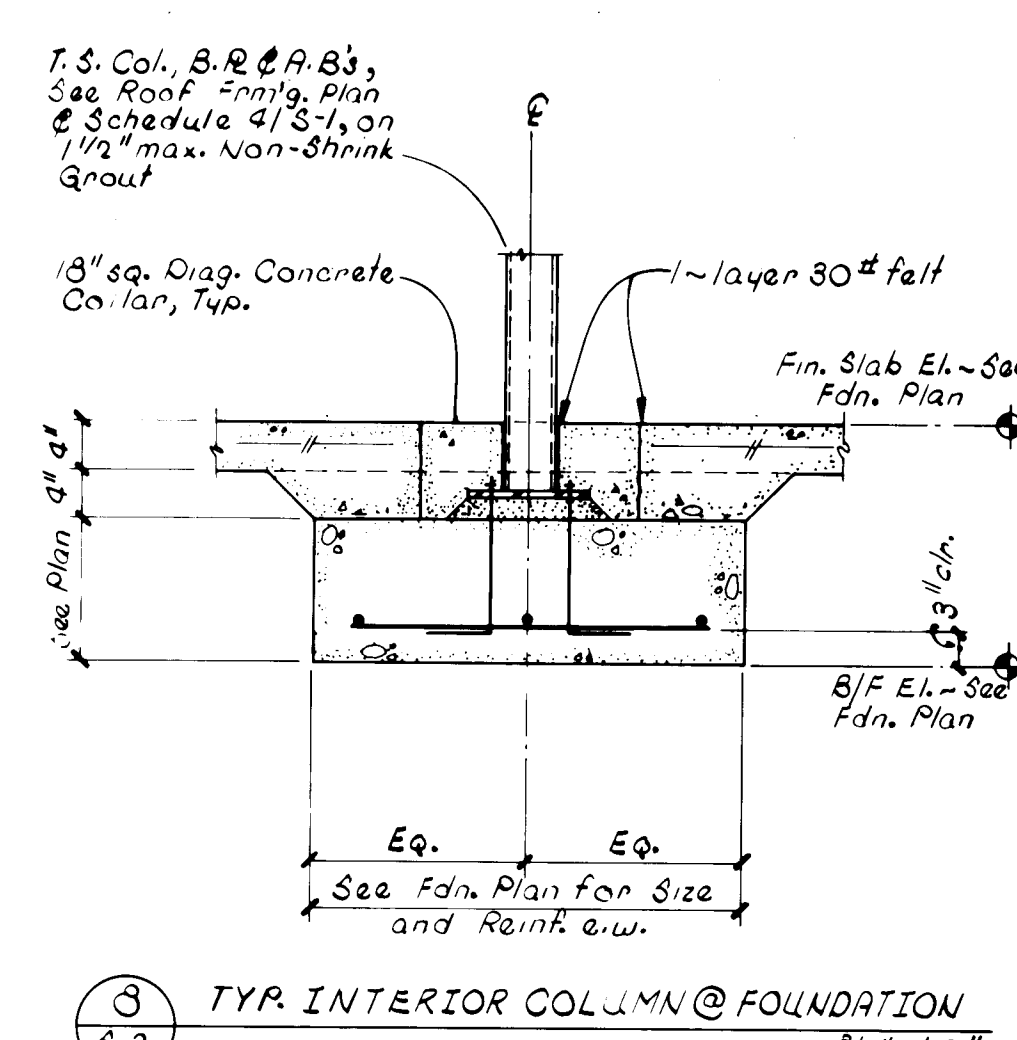
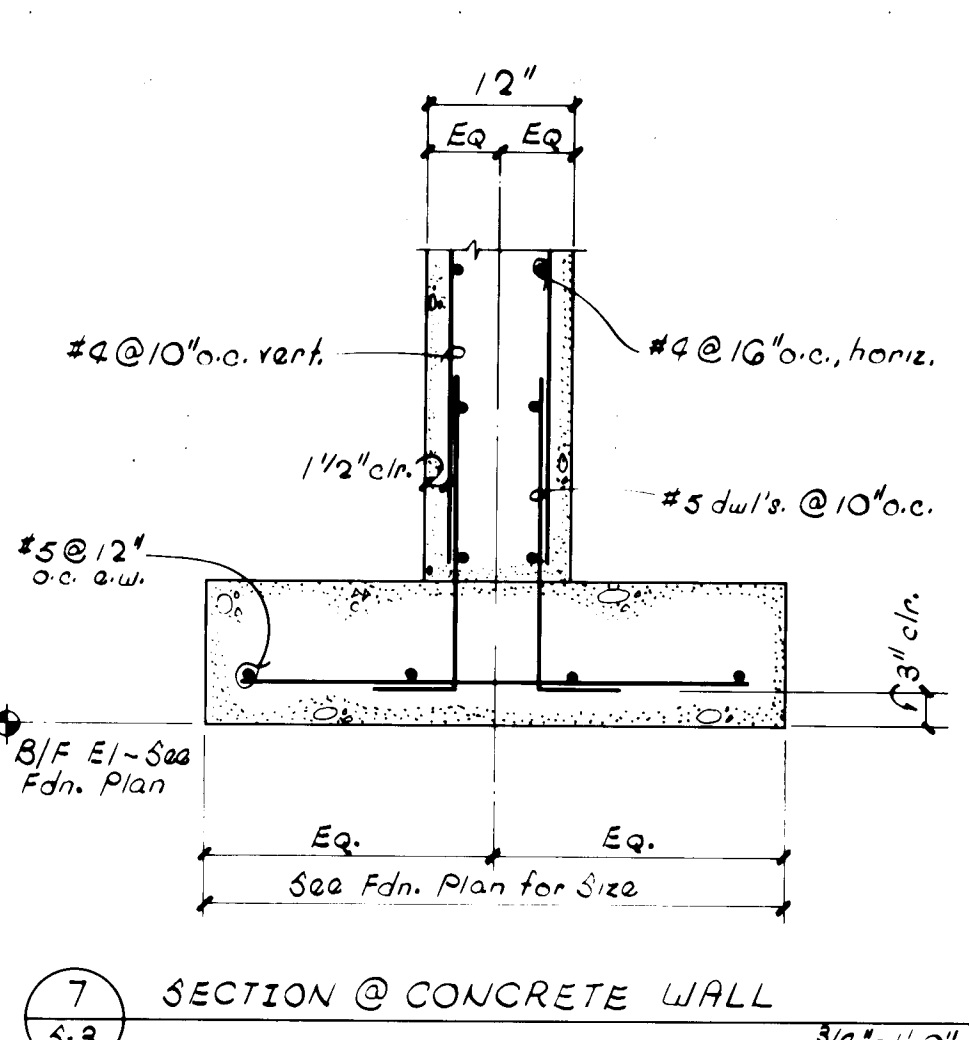
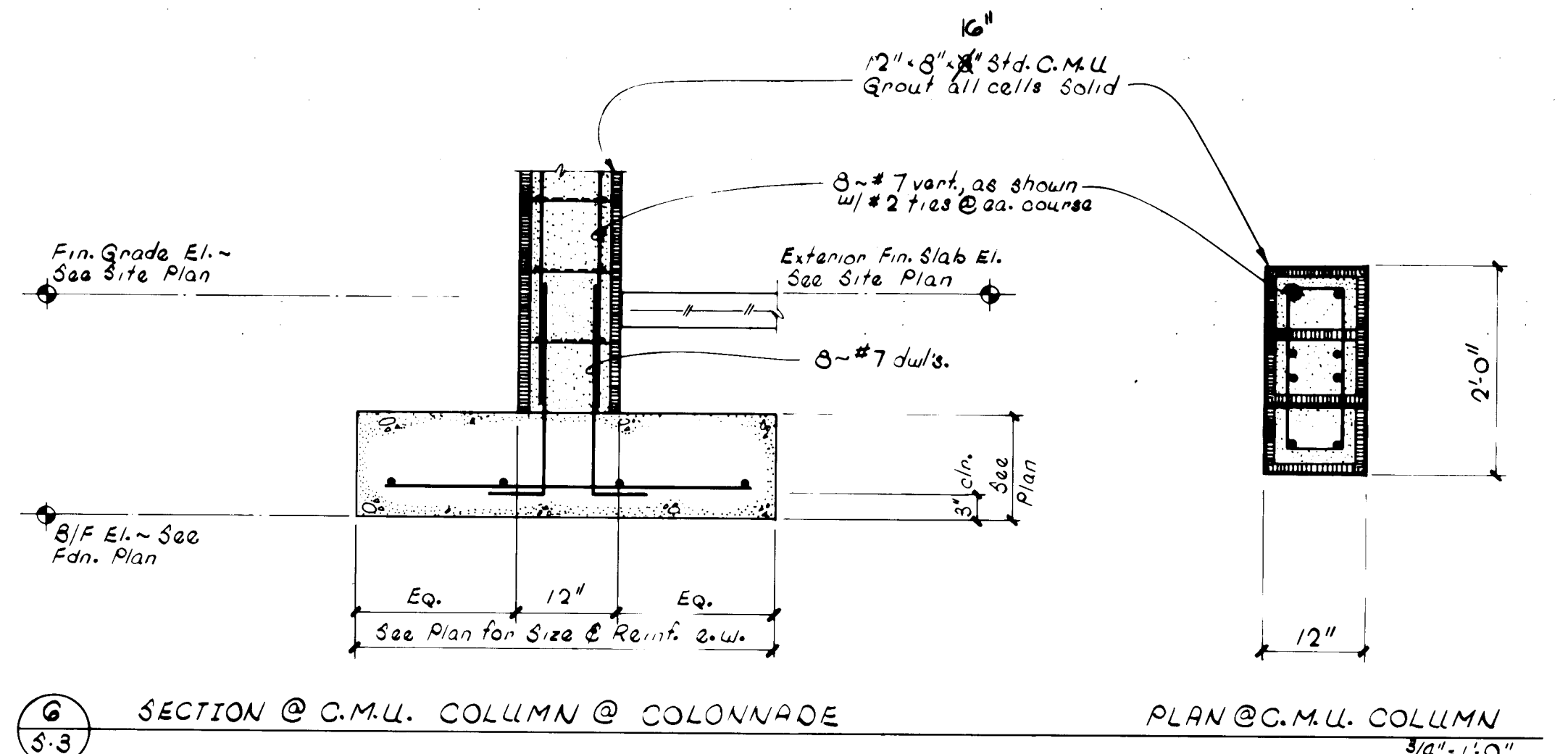
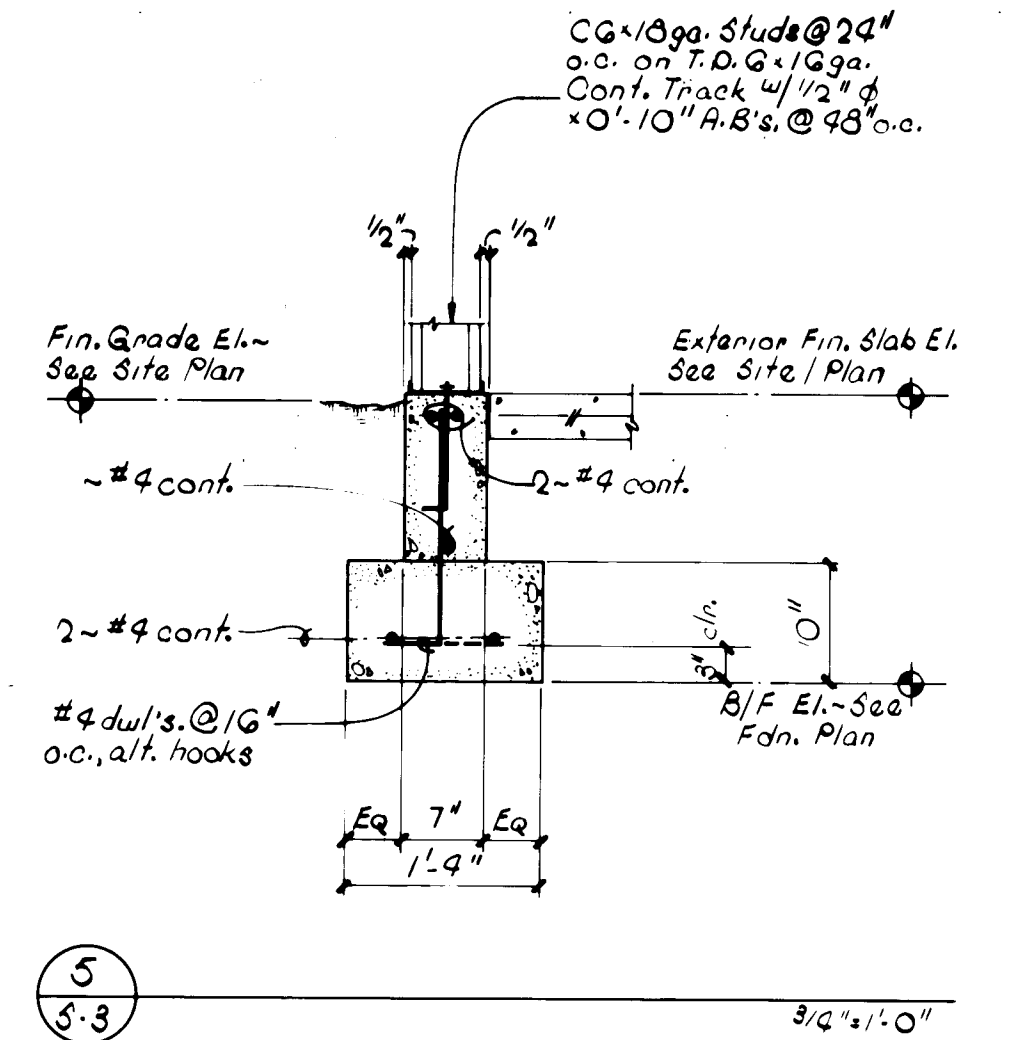
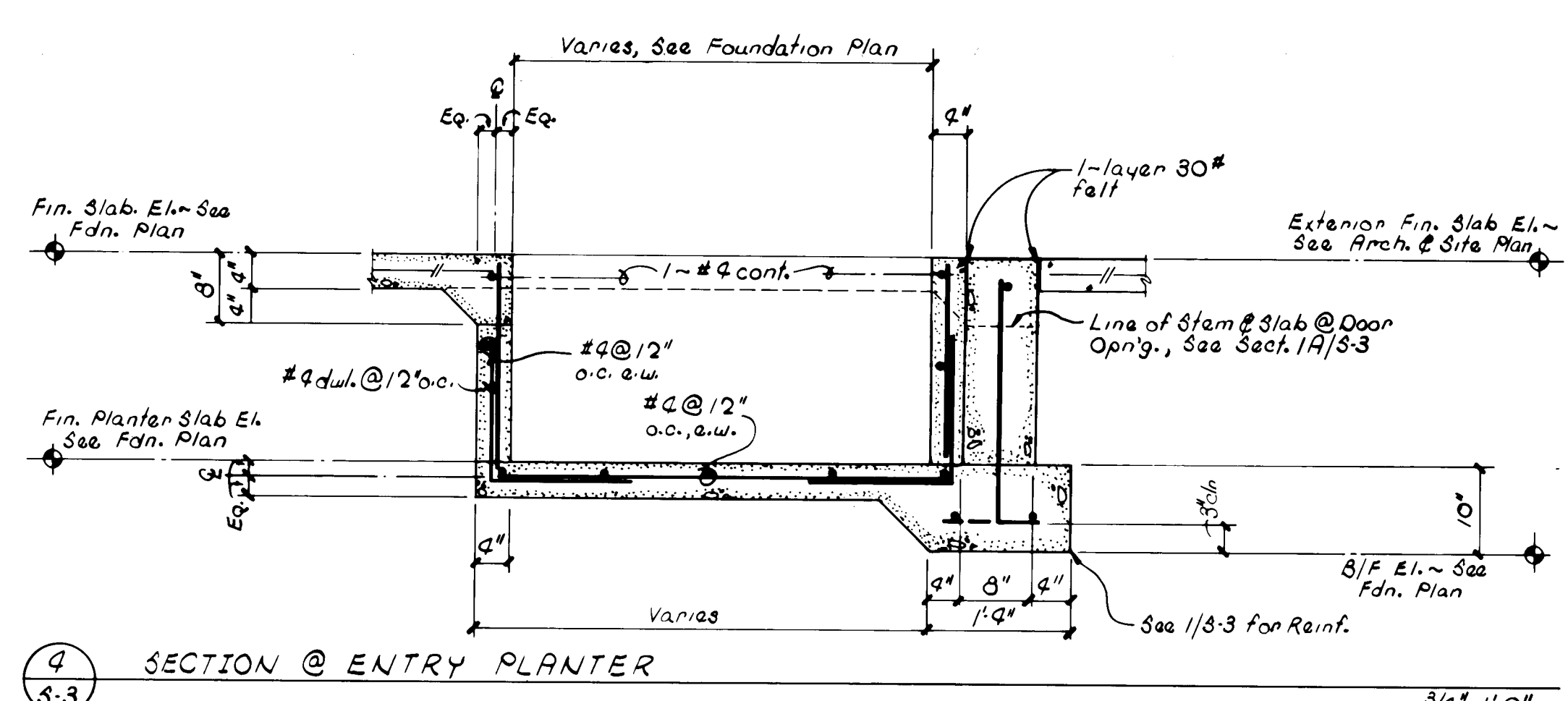
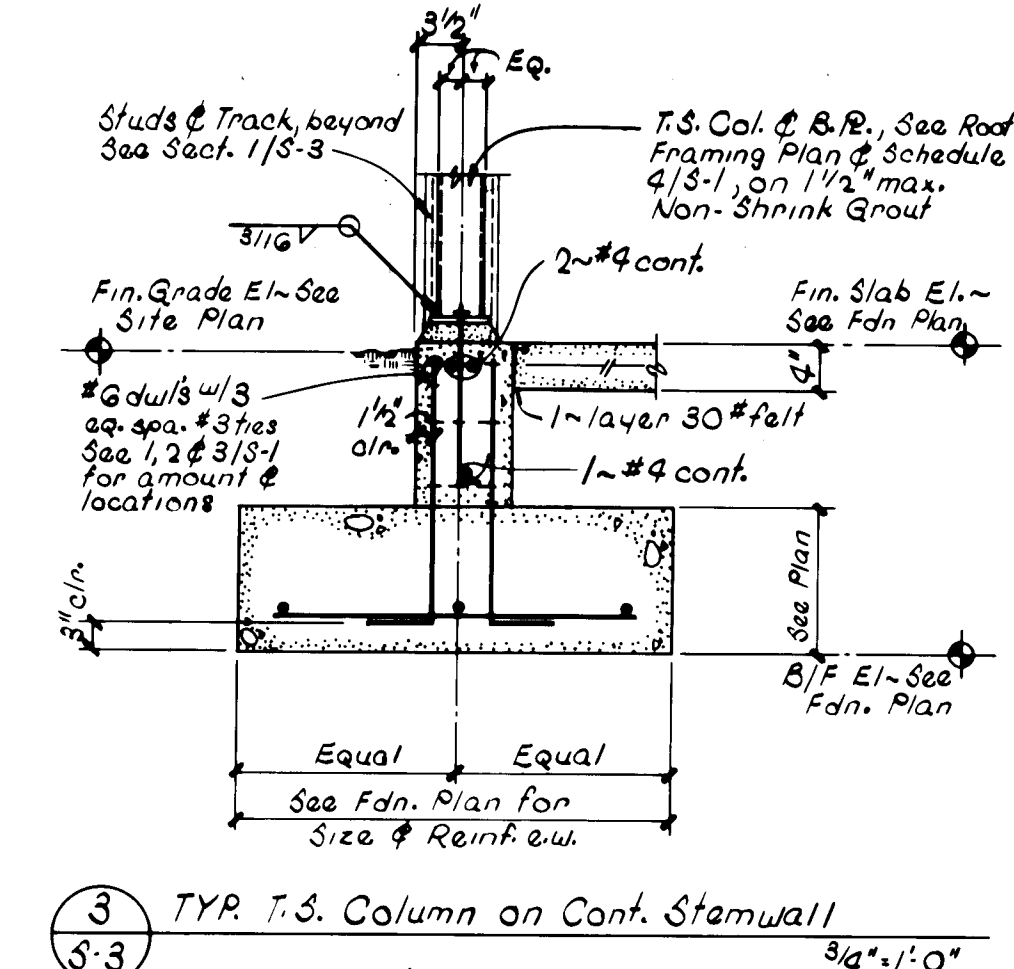
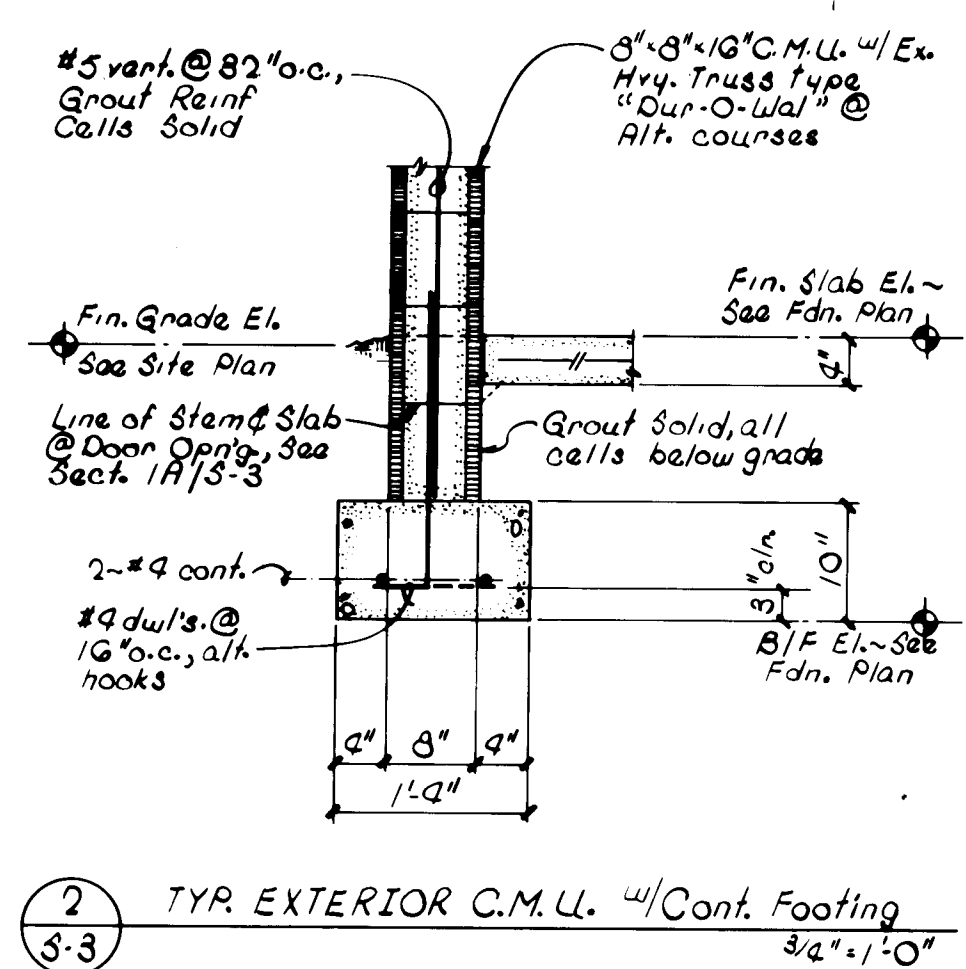
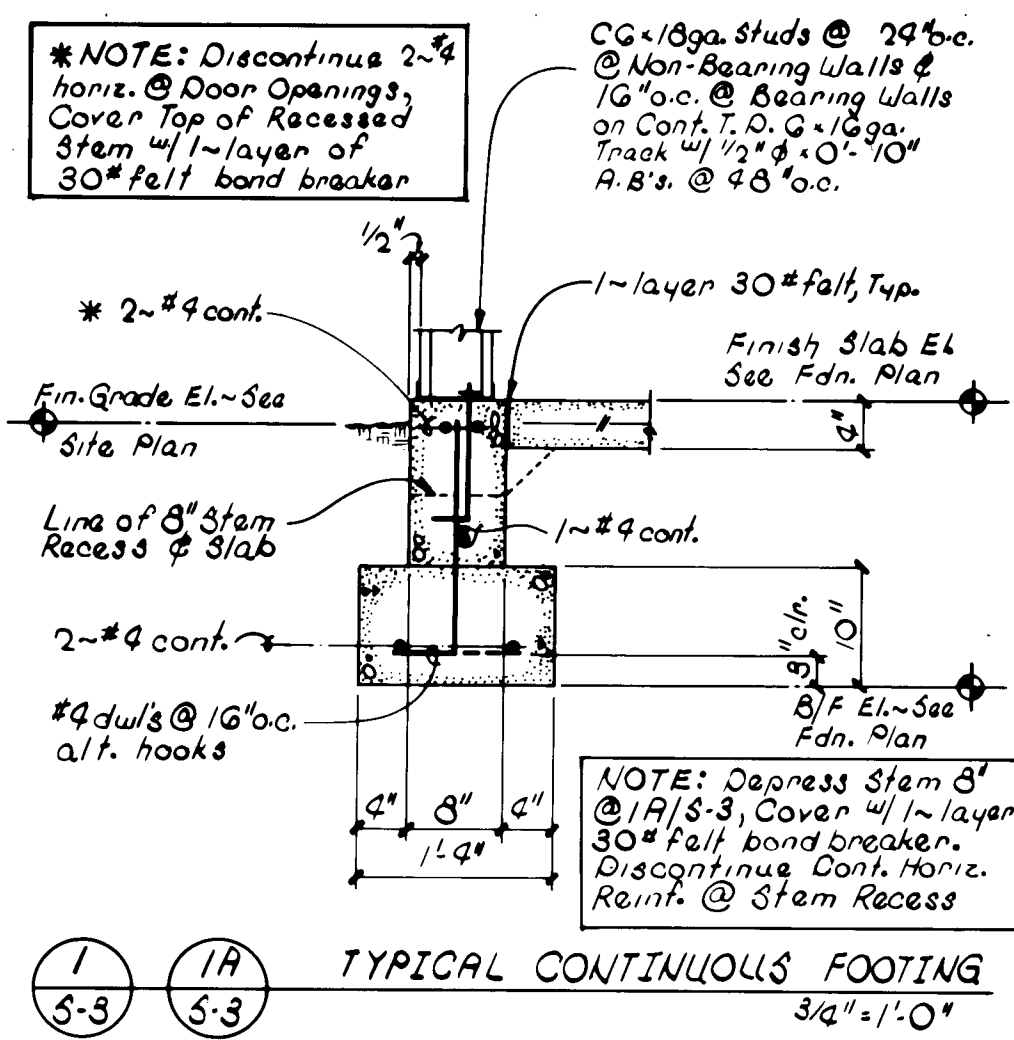
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STATE OF NEW MEXICO
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VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO

PROJECT NO.
8406

DATE
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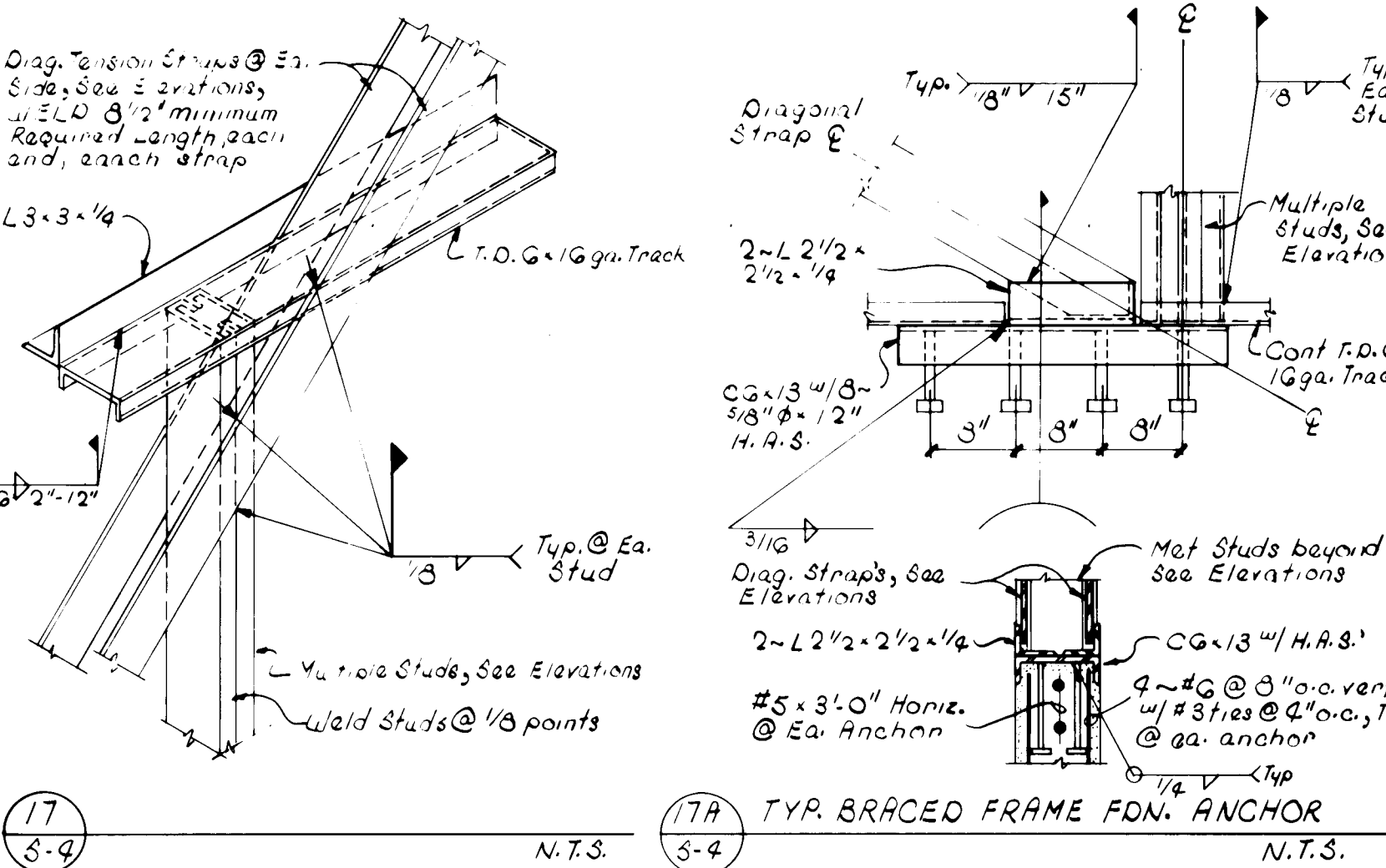
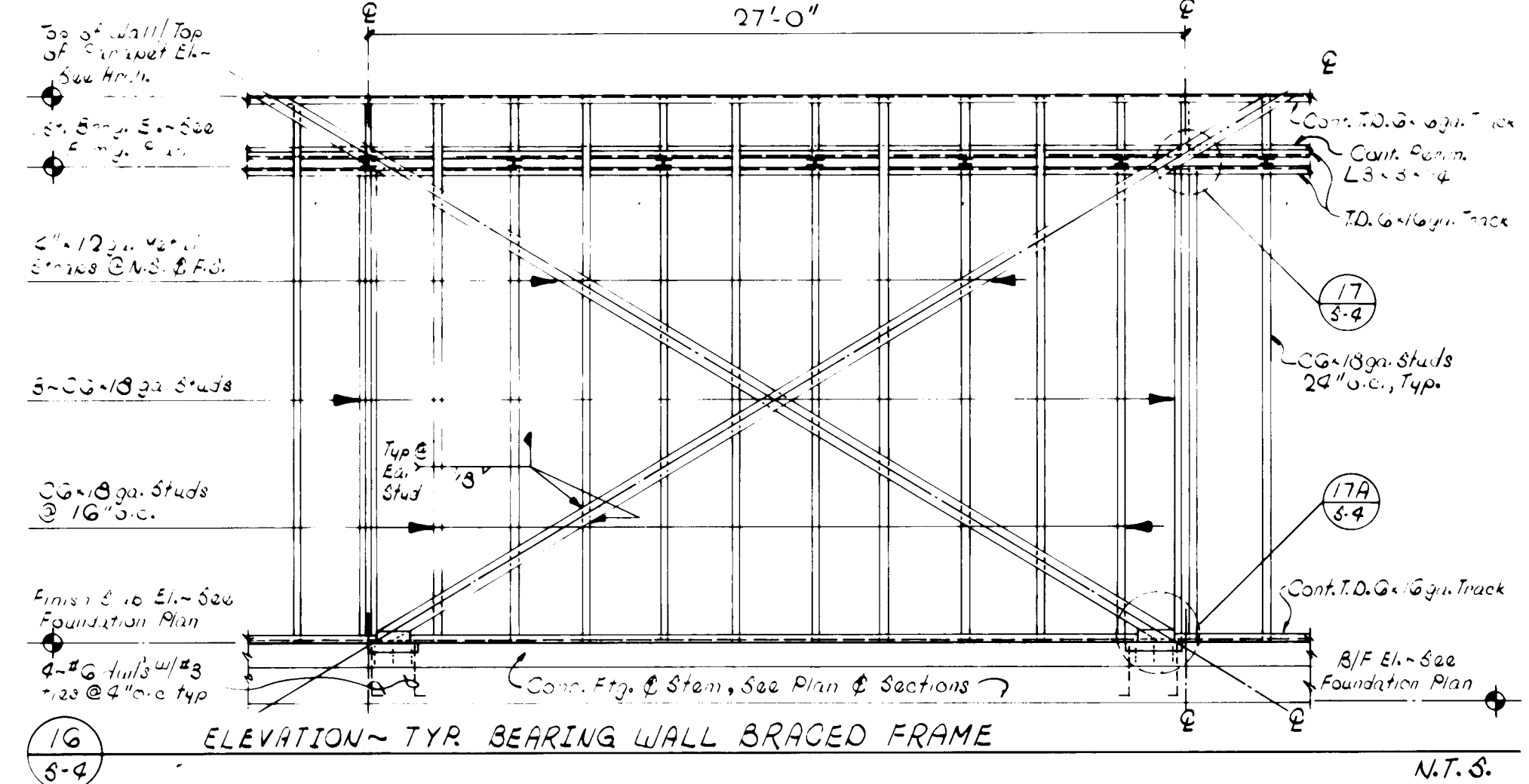
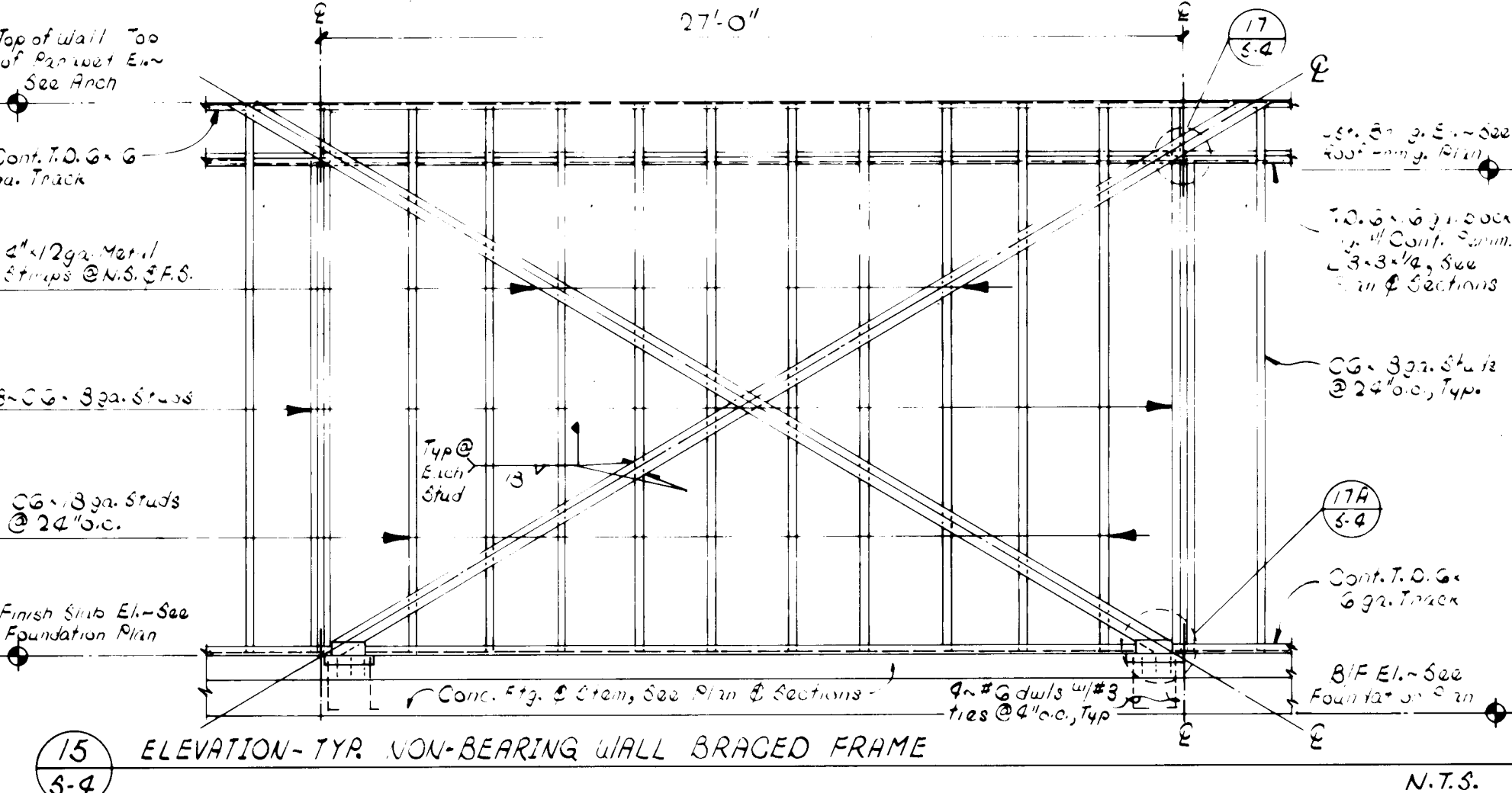
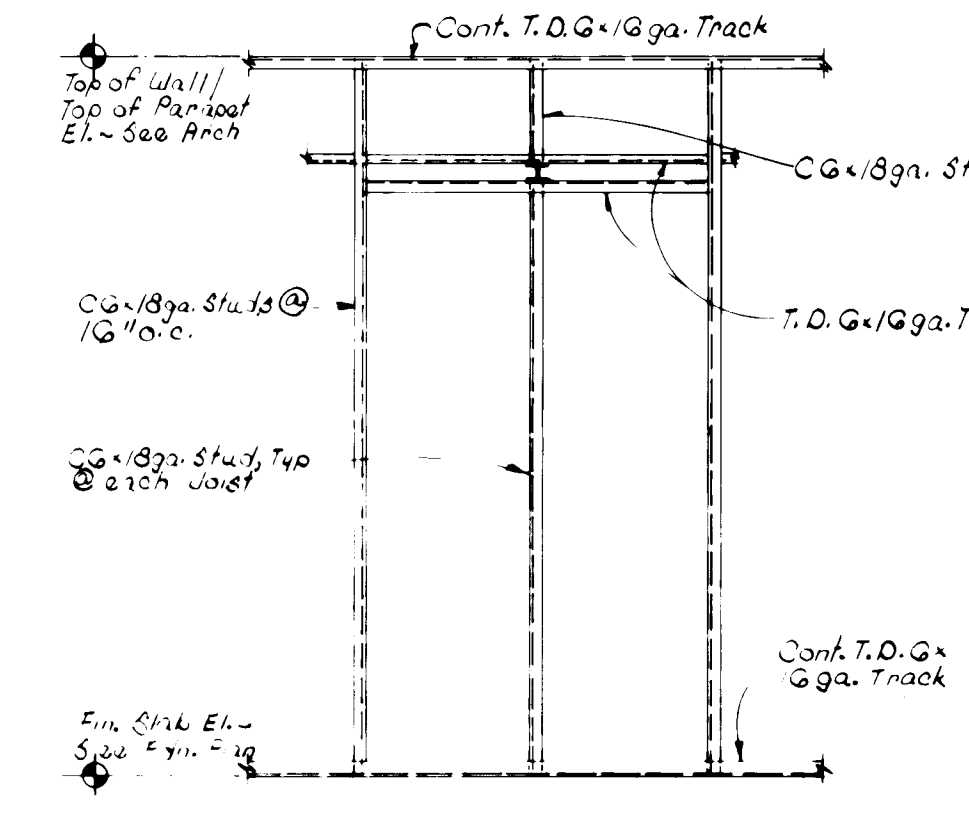
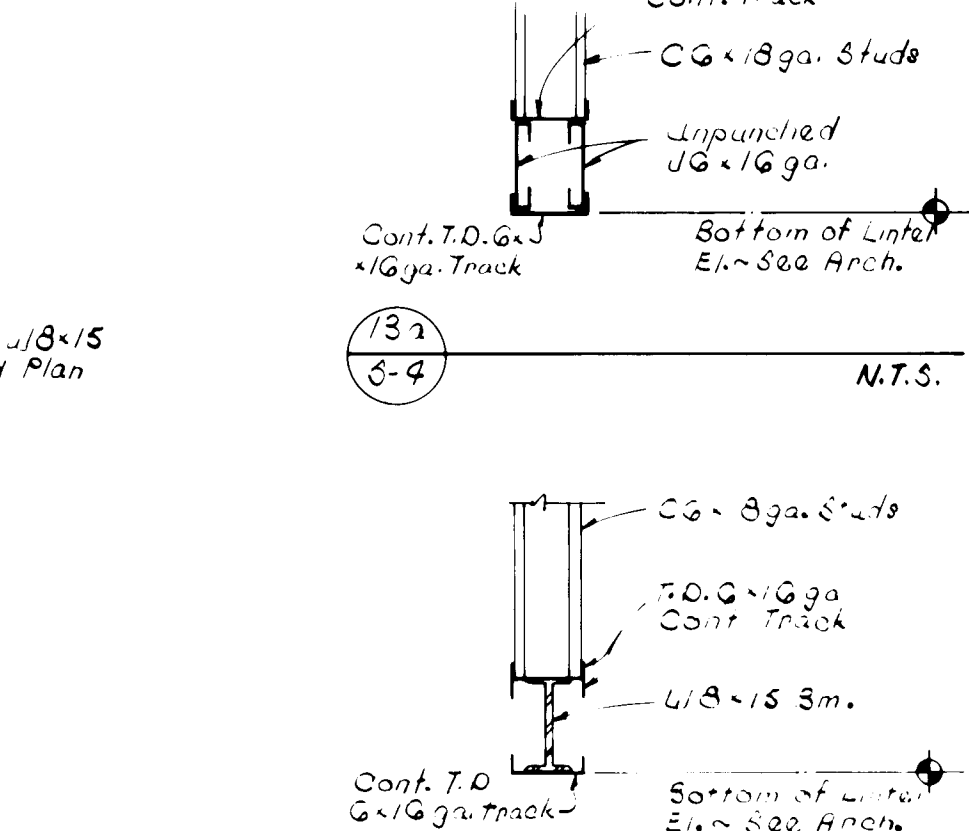
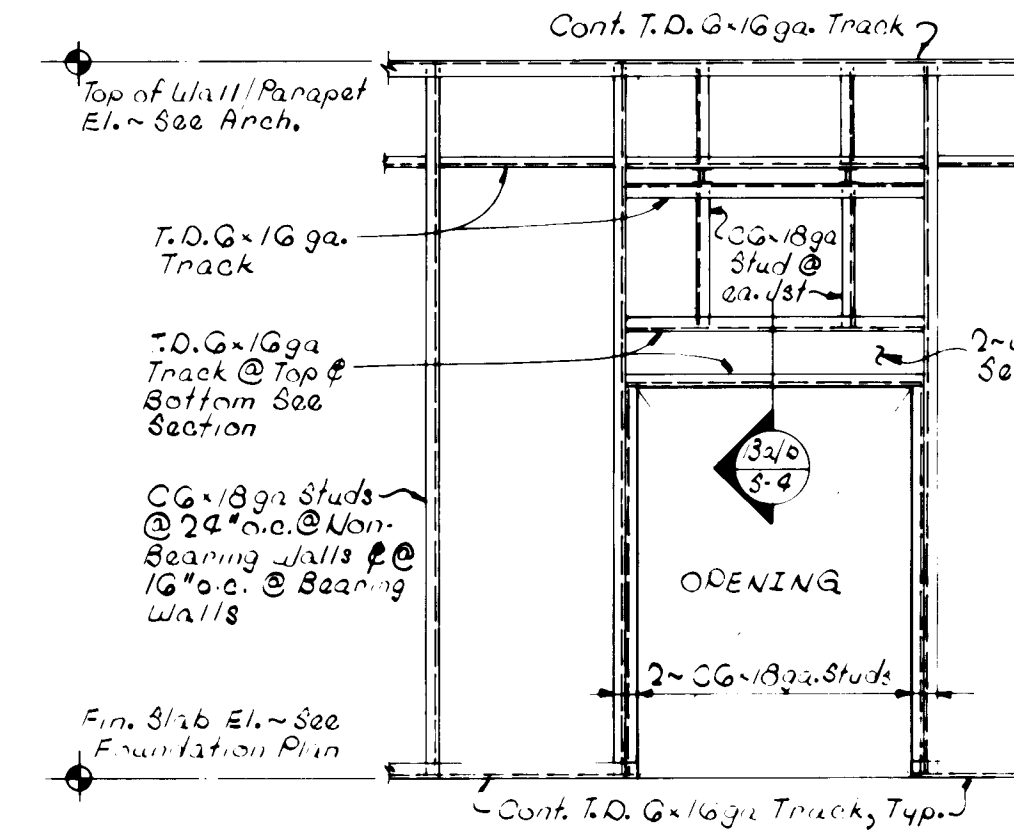
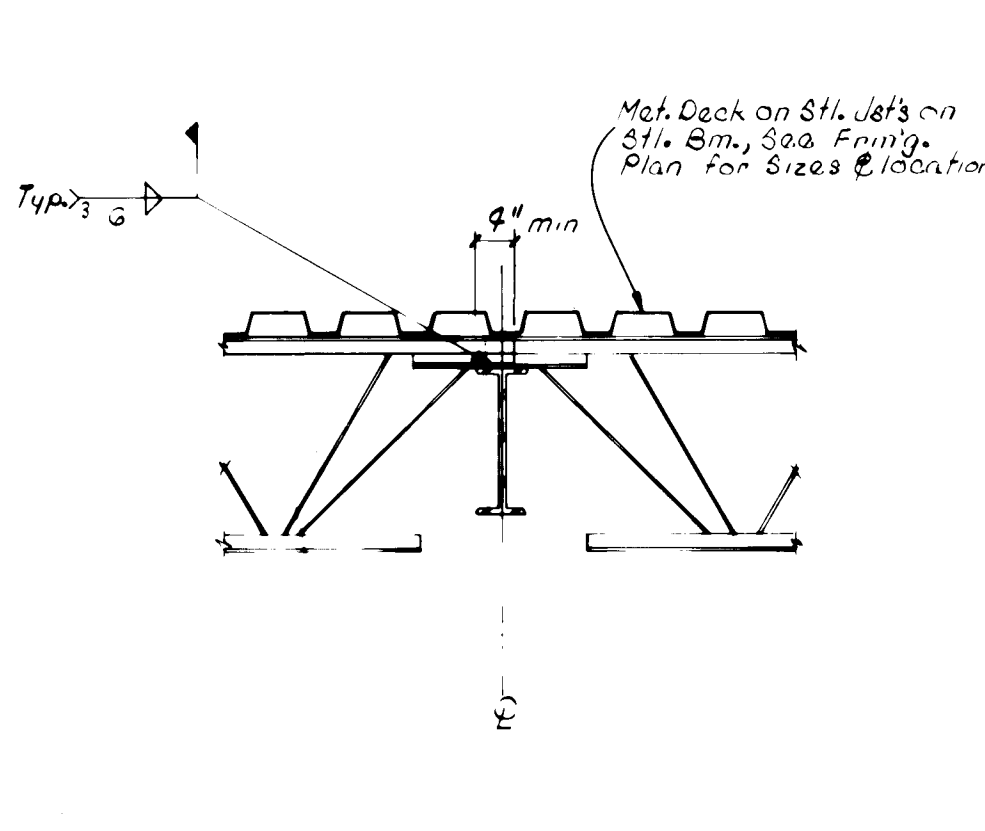
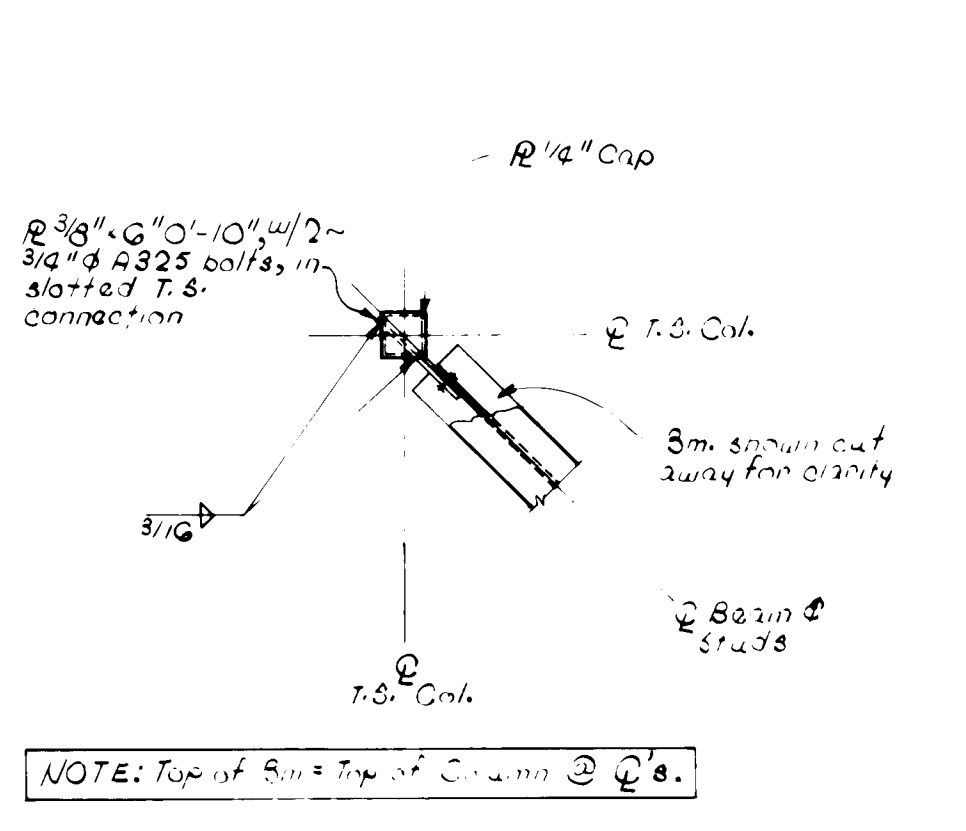
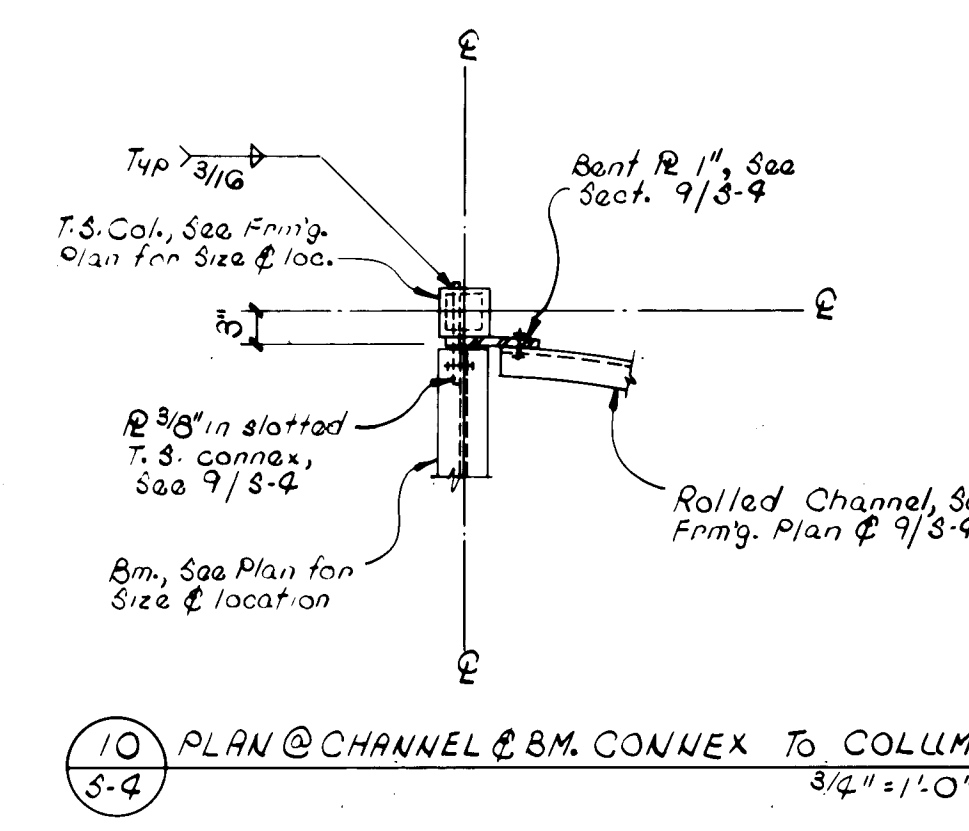
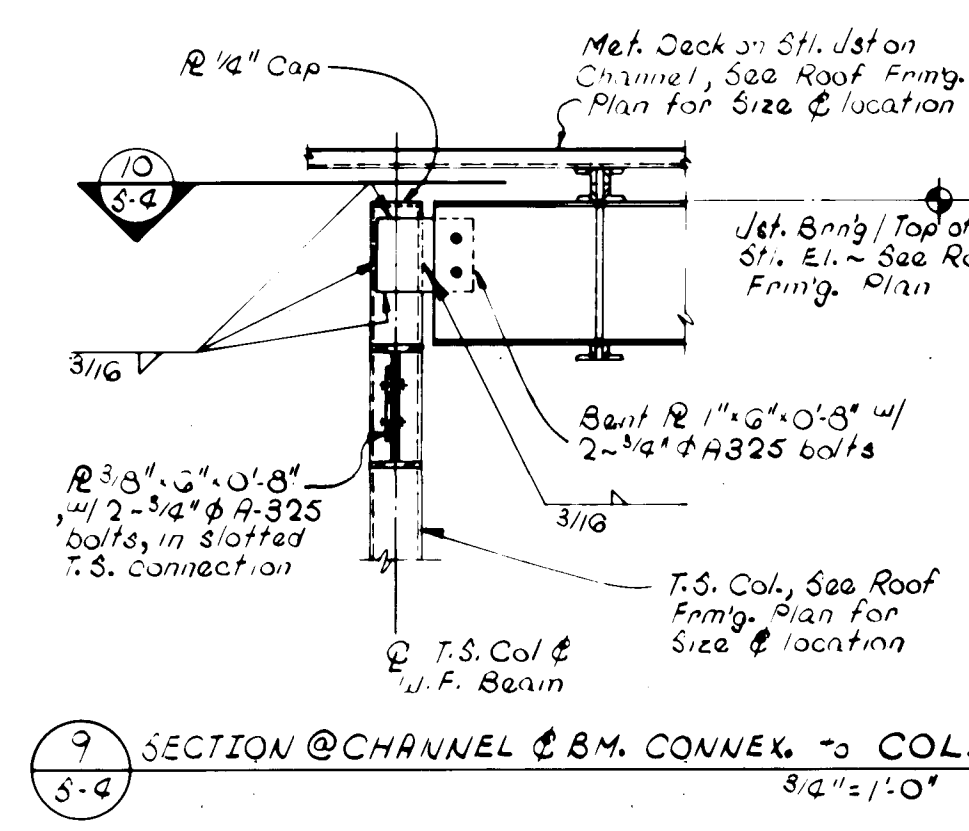
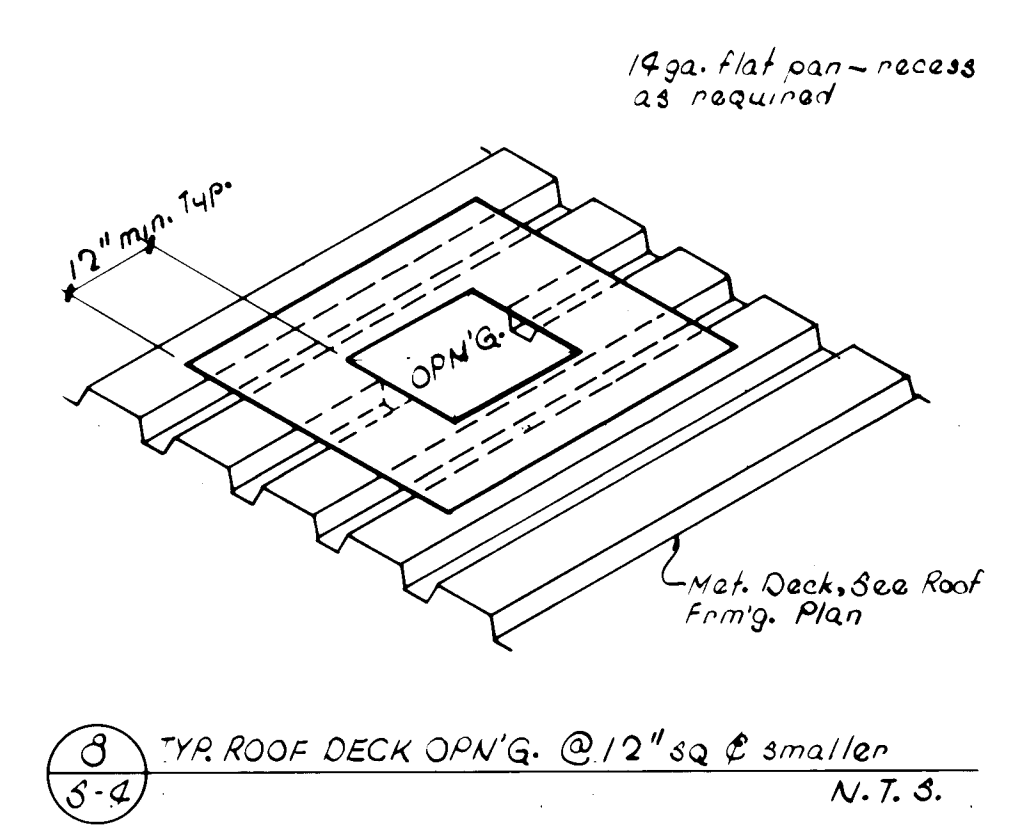
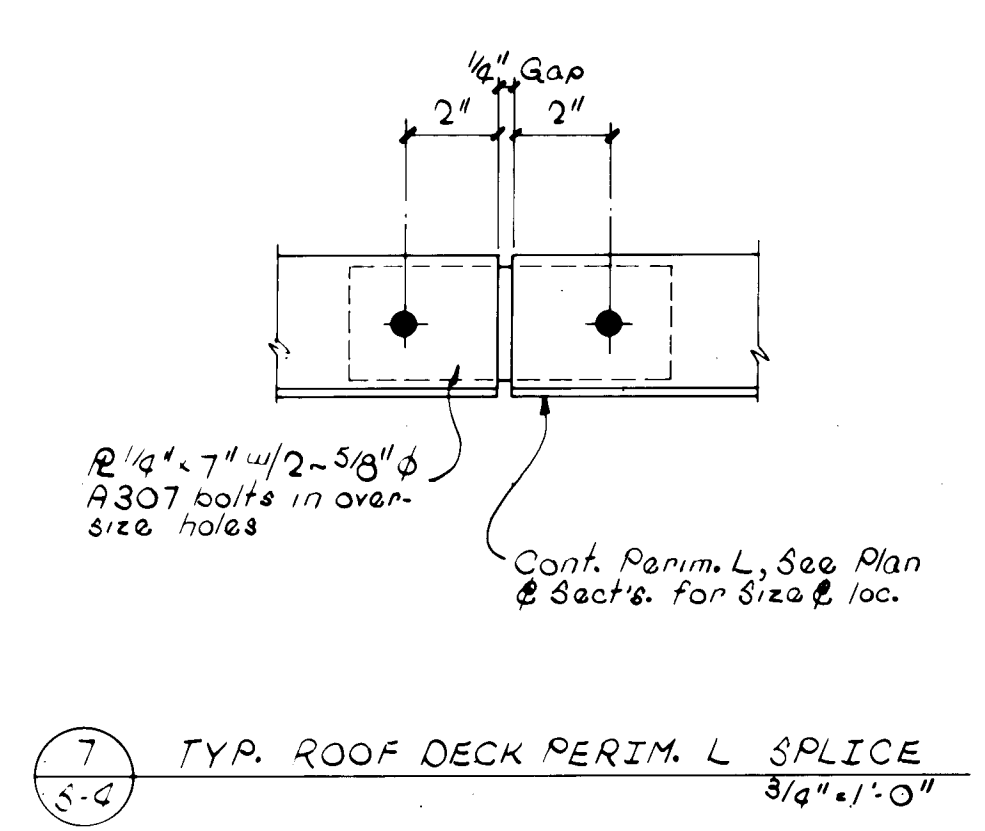
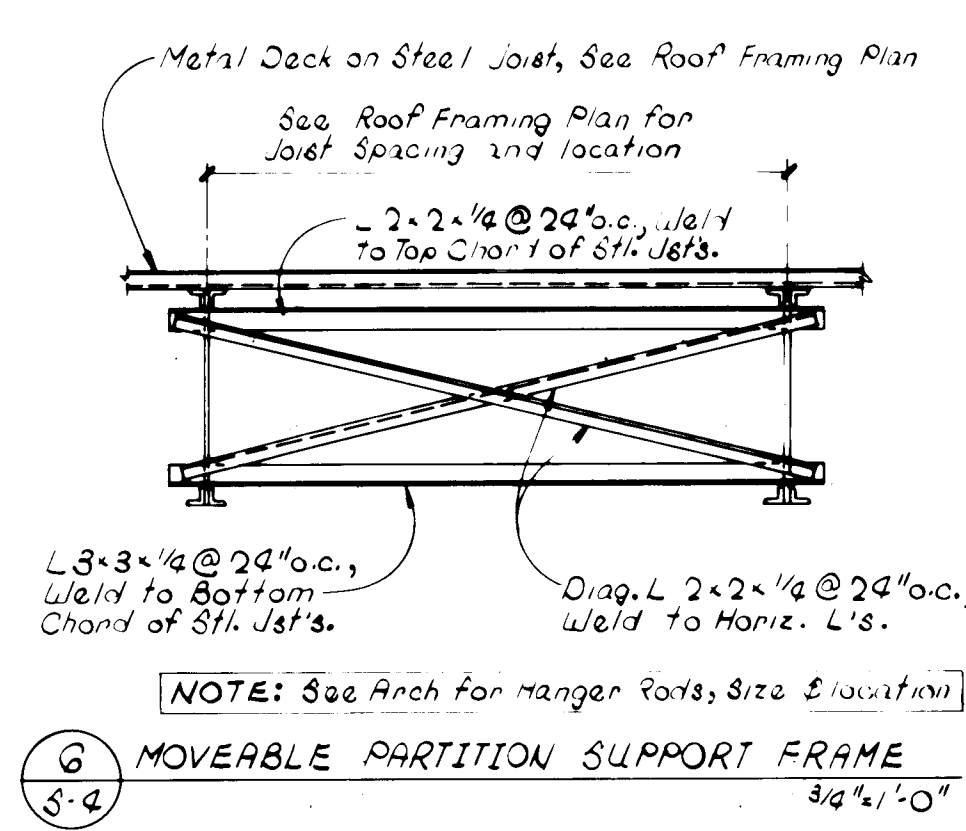
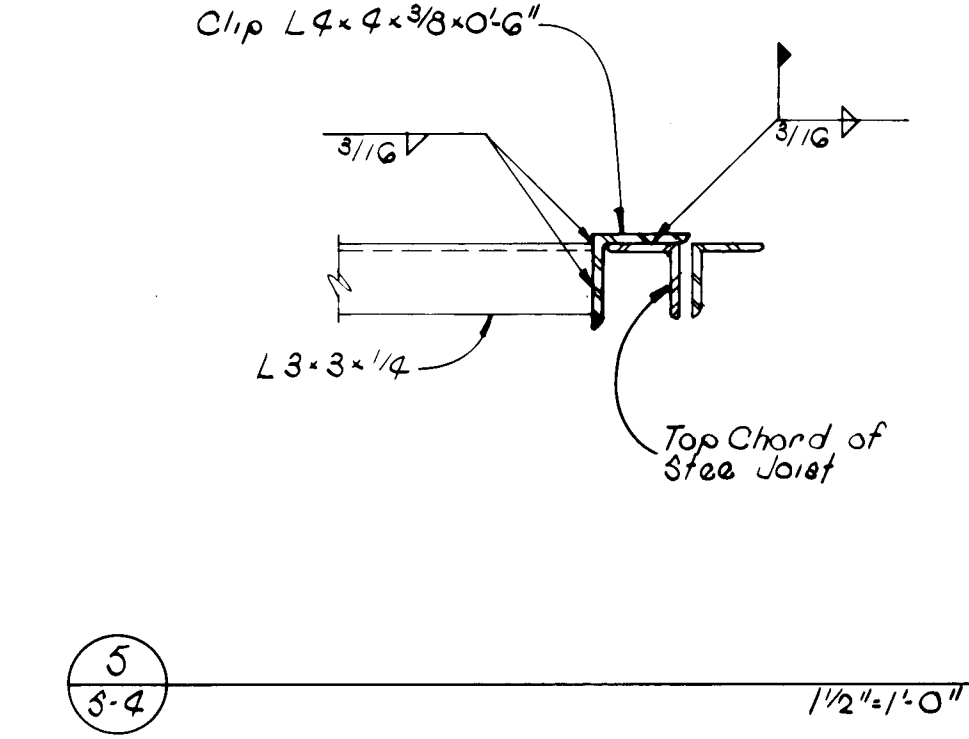
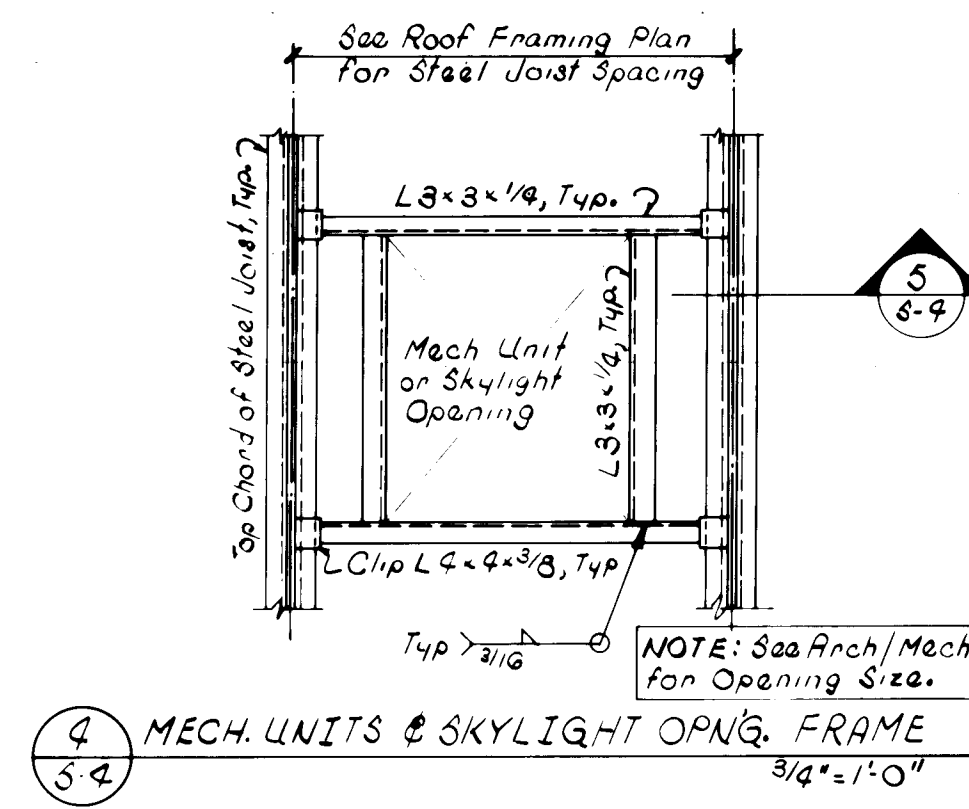
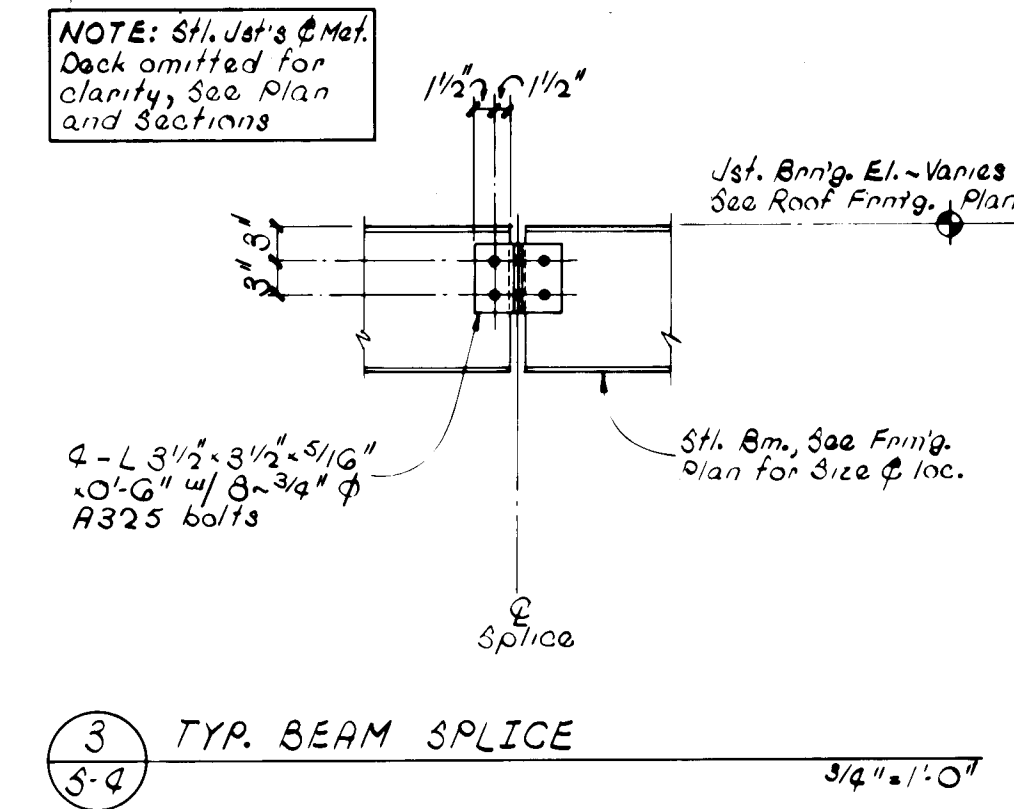
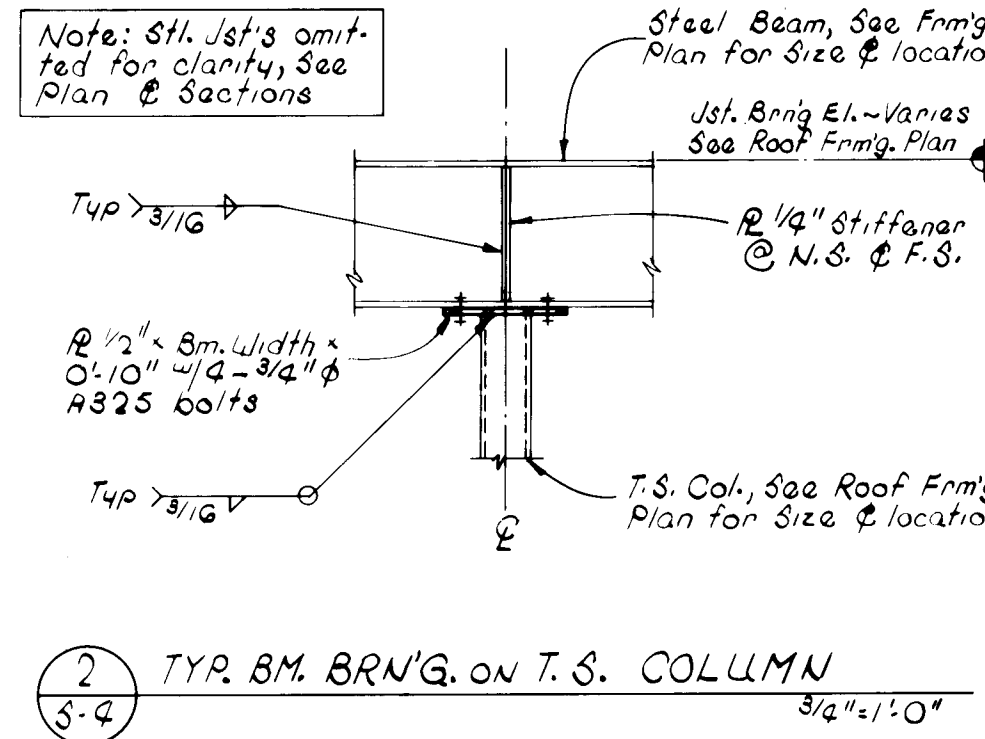
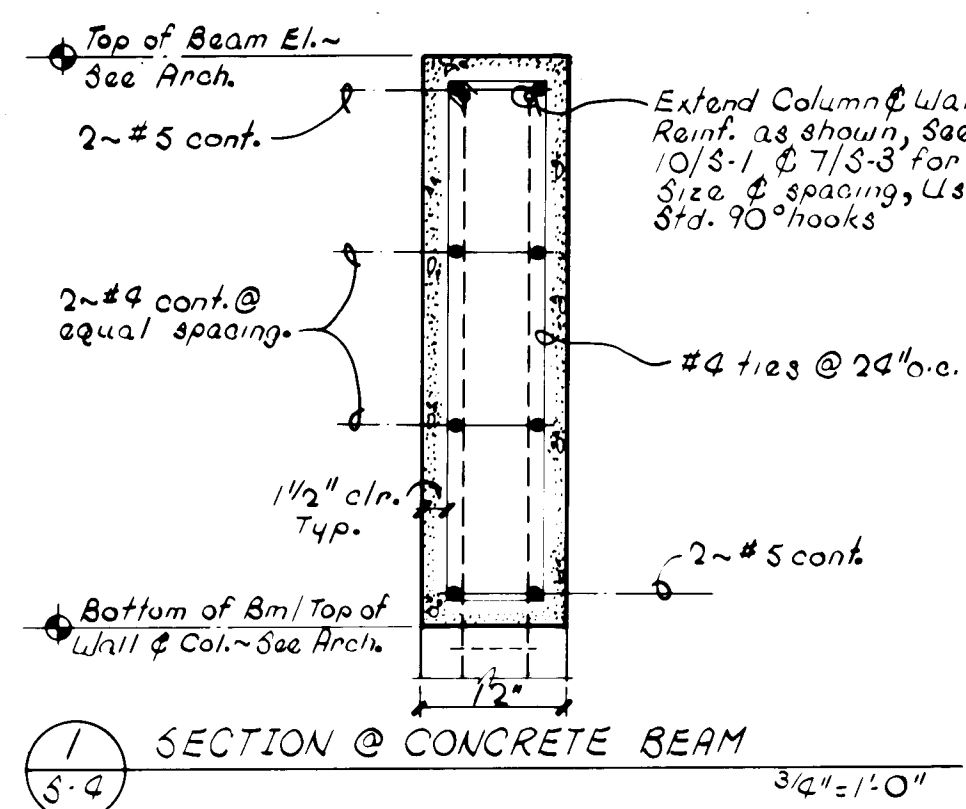
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15 ELEVATION-TYP. NON-BEARING WALL BRACED FRAME N.T.S.

16 ELEVATION-TYP. BEARING WALL BRACED FRAME N.T.S.

17 TYP. BRACED FRAME FOR ANCHOR N.T.S.

STATE OF NEW MEXICO
PAT. MEMORANDUM
No. 1032
ALBUQUERQUE, N.M.
REGISTERED ARCHITECT

ARCHITECT

STATE OF NEW MEXICO
NO. 0127
ALBUQUERQUE, N.M.
REGISTERED PROFESSIONAL ENGINEER

ENGINEER

**VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO**

PROJECT NO.
8406

DATE
APRIL, 1985

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GENERAL STRUCTURAL NOTES

1. CODES AND MANUALS:
 - Uniform Building Code, 1982 Edition
 - ACI 318-83
 - AISC Manual of Steel Construction 8th Edition
 - AISC Specification for the Design of Cold Form Steel Structural Members, 1980
2. DESIGN LOADS:
 - A. Vertical: Live Load
 - Roof 20 psf
 - Floors 100 psf
 - B. Horizontal:
 - (1) WIND: METHOD 1 - P-Ce Cq q_s 1
 - BASIC WIND SPEED = 75 MPH
 - Combined Height, Exposure & Gust Factor C_e=1.2 (0'-20')
 - Pressure Coefficients: Windward C_{pe}=0.8 Inward
 - Leeward C_{pe}=0.5 Outward
 - Wind Stagnation Pressure q_s=15 psf
 - Importance Factor I=1.0
 - ZONE 2
 - SEISMIC V=21KICSW
 - Importance Factor I=1.0
 - Horizontal Force Factor K=1.0
 - Site Structural Resonance Coefficient CS=0.140
 - *Allowable 1/3 stress increase for gravity and/or seismic loading.
 - C. Expansion: None
 - D. Maximum Allowable soil bearing pressure: 2500 psf
 - 3. GENERAL:
 - A. The Contractor shall verify all dimensions in the field.
 - B. Shop drawings shall be furnished for review before any fabrication and erection is started. Poorly executed shop drawings shall be rejected and resubmitted.
 - C. The Contractor shall be responsible for providing safe and adequate shoring for all parts of the structure during construction.
 - D. All trades shall coordinate and verify all openings in floors, roof, walls, and beams with the General Contractor.
 - E. Notching or cutting of any structural member is prohibited unless specifically detailed on the structural plans.
 - F. The General Contractor shall be responsible for foundations under Mechanical equipment and shall coordinate size and location of foundations with the Mechanical Contractor.
 - 4. MATERIALS:
 - A. Cast-in-place Concrete:
 - (1) All concrete shall conform to the specifications for Structural Concrete, ACI 301-76.
 - (2) Hardrock Concrete: Maximum dry unit weight = 145 pcf
 - a. f_c = 3000psi @ 28 days (air entrained) - All exterior concrete including sidewalks, slabs, pads, curbs, gutters, and retaining walls.
 - b. f_c = 3000psi @ 28 days - All interior cast-in-place concrete including footings, pedestals, slab on grade, and retaining walls.
 - B. Reinforcing Steel:
 - (1) All reinforcing steel shall conform to ASTM A615 Grade 60; except stirrups, ties, and field-bent bars shall conform to ASTM A615 Grade 40.
 - (2) Welded smooth wire fabric shall conform to ASTM A185 specification for welded wire fabric for concrete reinforcement. Provide in flat sheets only.
 - (3) Reinforcing steel shall be fabricated and placed in accordance with the Building Code Requirements for Reinforced Concrete (ACI 318-83) and the Standard Manual (ACI 315-80).
 - (4) Bar supports and spacers for rebar shall be provided in accordance with ACI 315-80. Chairs with 22 ga. sand plates shall be provided for all rebar in slabs on ground.
 - (5) Where lapped splices in reinforcing occur, the minimum lap shall be made as follows:
 - a. Vertical reinforcing: 30 bar dia. or 18 inches minimum
 - b. Horizontal reinforcing: 30 bar dia. or 18 inches minimum
 - c. Horizontal corner bars: 30 bar dia. or 18 inches minimum
 - (6) Concrete cover for reinforcing shall be as follows:
 - a. Concrete poured against earth 3 inches
 - b. Concrete poured in forms but exposed to weather or earth 1. If bars larger than No. 5 2 inches
 - 2. If bars are No. 5 or smaller 1 1/2 inches
 - c. Columns, girders, and beams 1 1/2 inches
 - d. Slabs, and walls 3/4 inches
 - e. Joists 3/4 inches
 - (7) The Contractor shall be responsible to see that all rebar is properly aligned and tied in place before placing concrete. All column, wall dowels and vertical steel shall be accurately located and secured in place so that it remains in the position shown during the concrete placing operation. Any rebar found to be improperly installed shall be removed at no additional cost to the Owner.
 - (8) All horizontal reinforcing in footings, walls and beams shall be continuous around corners or have corner bars of the same size and spacing as the horizontal bars and lap a minimum of 30 bar diameters or 18 inches minimum.
 - (9) Form ties shall be either of the threaded or snap off type so that no metal will be left within 1 inch of the surface of the wall. Following removal of form ties, recesses are to be carefully filled and pointed with mortar.
 - C. Masonry:
 - (1) All masonry units shall be Type 1, Grade N units with Type S mortar f_m = 1750 psi.
 - (2) All hollow masonry or brick to be reinforced shall be marked with keel at the bottom of the wall at the cells where dowels occur or rebar is to be placed and grouted.
 - (3) Cells containing rebar shall be grouted solid from the bottom to the top of the wall in accordance with UBC regulation. Cleanouts shall be provided at the bottom of walls at all cells to be grouted where the grout pour exceeds 4 feet in height.
 - (4) Lap all bars 30 diameters or 1'-6" minimum unless noted otherwise.
 - D. Structural and Miscellaneous Steel:
 - (1) All structural and miscellaneous steel members, shapes and connections shall conform to ASTM A36.
 - (2) All cold formed structural tubing shall conform to ASTM A500 grade B.
 - (3) The contractor shall be responsible for checking the Architectural drawings for all miscellaneous steel.
 - (4) Bolts shall conform to ASTM A325 tension control bolts unless noted otherwise, with sizes as shown on the drawings. Anchor bolts embedded in concrete shall be ASTM A307 bolts or A36 threaded bars.
 - (5) All welding shall be done by certified welders and shall be in accordance with the latest standards of the AWS and AISC. Inspect all welding work in accordance with the specifications.
 - (6) Structural steel shall be detailed and fabricated in accordance with the 8th edition of AISC Manual of Steel Construction and Code of Standard Practice.

- (7) Connections made with high strength steel bolts shall conform in all respects to the current Specifications for Structural Joints using ASTM A325 bolts as endorsed by the AISC. No paint on contact surface.
- E. Steel Joists:
 - (1) Steel joists shall be designed, fabricated and erected in accordance with the 1980 Steel Joist Institute Specifications.
 - (2) See specifications for requirements to be met. See plans for special loadings.
- F. Steel Deck:
 - (1) Steel Roof Deck: Type B (SDI DECKS)
 - a. All steel roof deck shall be fabricated and erected in accordance with Steel Deck Institute specifications.
 - b. See plan for metal deck connections.
- G. Lightgate Metal Framing:
 - (1) Conform to AISI "Cold Formed Steel Manual", latest edition.
 - (2) Bridging for walls to be provided with manufacturers standard bridging: (either welded 2 1/2" x 18 ga. stud or clipped cold rolled channel 1 1/2" x 16 ga.). Provide at 4'-12" o.c. maximum.
 - (3) Provide all miscellaneous accessories as per manufacturers recommendations.
 - (4) Erect as per manufacturers specifications and recommendations.
 - (5) Metal studs shall be Inryco/Milco or approved equal.
 - (6) All track to be deep leg, 16 ga. minimum, width as required.
 - (7) Minimum yield stress: 18,20 ga. 33,000 psi. 12,14,16 ga. 50,000 psi.

FOUNDATION NOTES

1. SUBSURFACE SOIL DATA
 - Subsurface soil investigations have been made, and the results are available for examination by the contractor. The contractor is expected to examine the site and determine for himself the character of materials to be encountered.
 - No additional allowance will be made for rock removal, site clearance and grading, filling, compaction, disposal or removal of any unclassified materials.
2. CLEARING AND GRUBBING (See Specifications)
 - A. General: Clearing and grubbing will be required for all areas shown on plans to be excavated or on which fill is to be constructed.
 - B. Clearing: Clearing shall consist of removal and disposal of vegetation, as well as brush and rubbish within the area to be cleared.
 - C. Grubbing: Stumps, roots larger than 2 inches in diameter, and matroot roots shall be removed from within 6 inches of the surface of areas on which fills are to be constructed except in roadways. Materials as described above within 18" of finished subgrade of roadways in either cut or fill sections shall be removed. Areas disturbed by grubbing will be filled as specified hereinafter for embankment.
 - D. Grass and Topsoil: Grass, grass roots and incidental topsoil shall not be left beneath a fill area, nor shall this material be used as fill material. Grass, grass roots and topsoil may be stockpiled and later used in the top 6 inches of fills outside roadways and building pads.
3. EARTH EXCAVATION
 - A. Earth excavation shall consist of the excavation and removal of suitable soils for use as embankment as well as the satisfactory disposal of all vegetation, existing fill, debris and deleterious materials encountered within the area to be graded.
 - B. Excavated areas shall be continuously maintained such that the surface shall be smooth and have sufficient slope to allow water to drain from the surface.
4. EMBANKMENT
 - A. General: Embankments shall consist of a controlled fill constructed in the areas indicated on the grading plans.
 - B. Embankment Materials: Embankment fill material shall consist of soils that conform to the following physical characteristics:

Sieve Size (Square opening)	Percent Passing by weight
No. 4	100
No. 10	40-100
No. 40	15-50

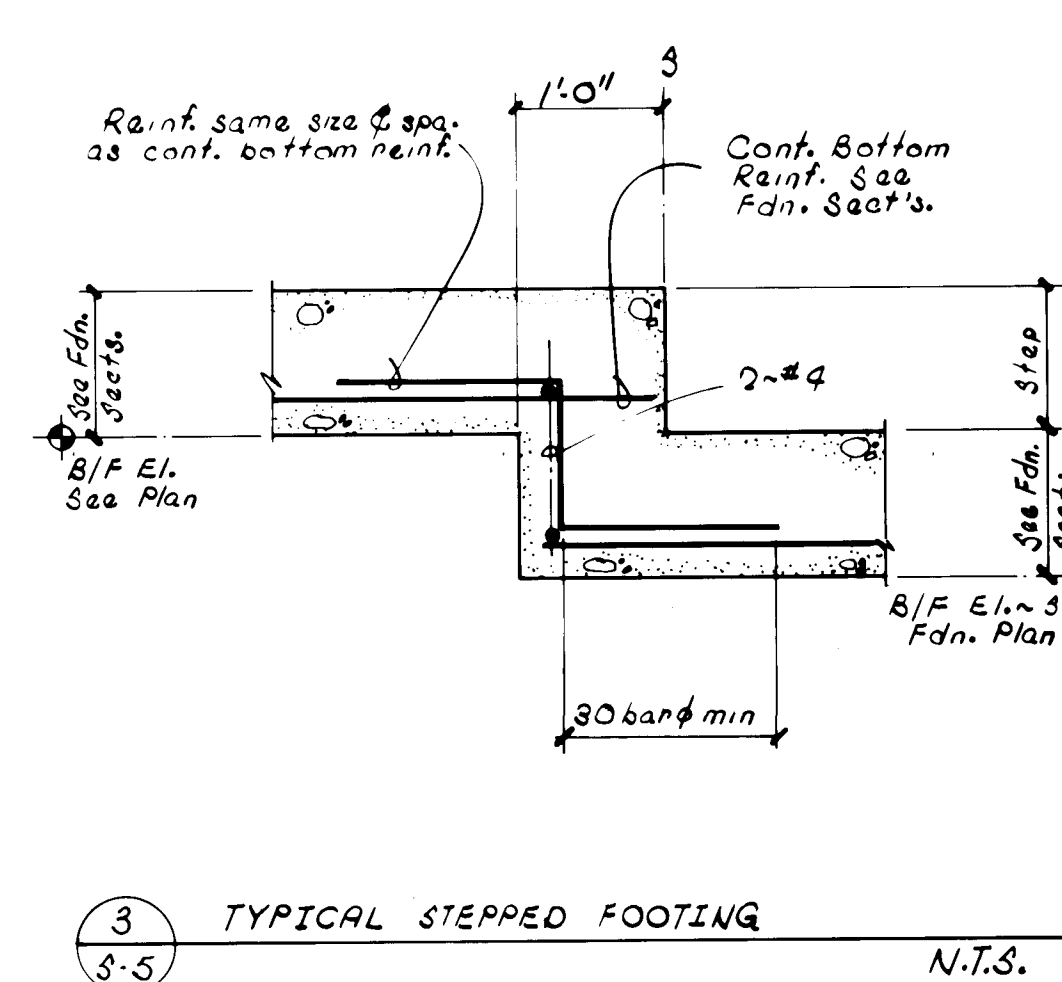
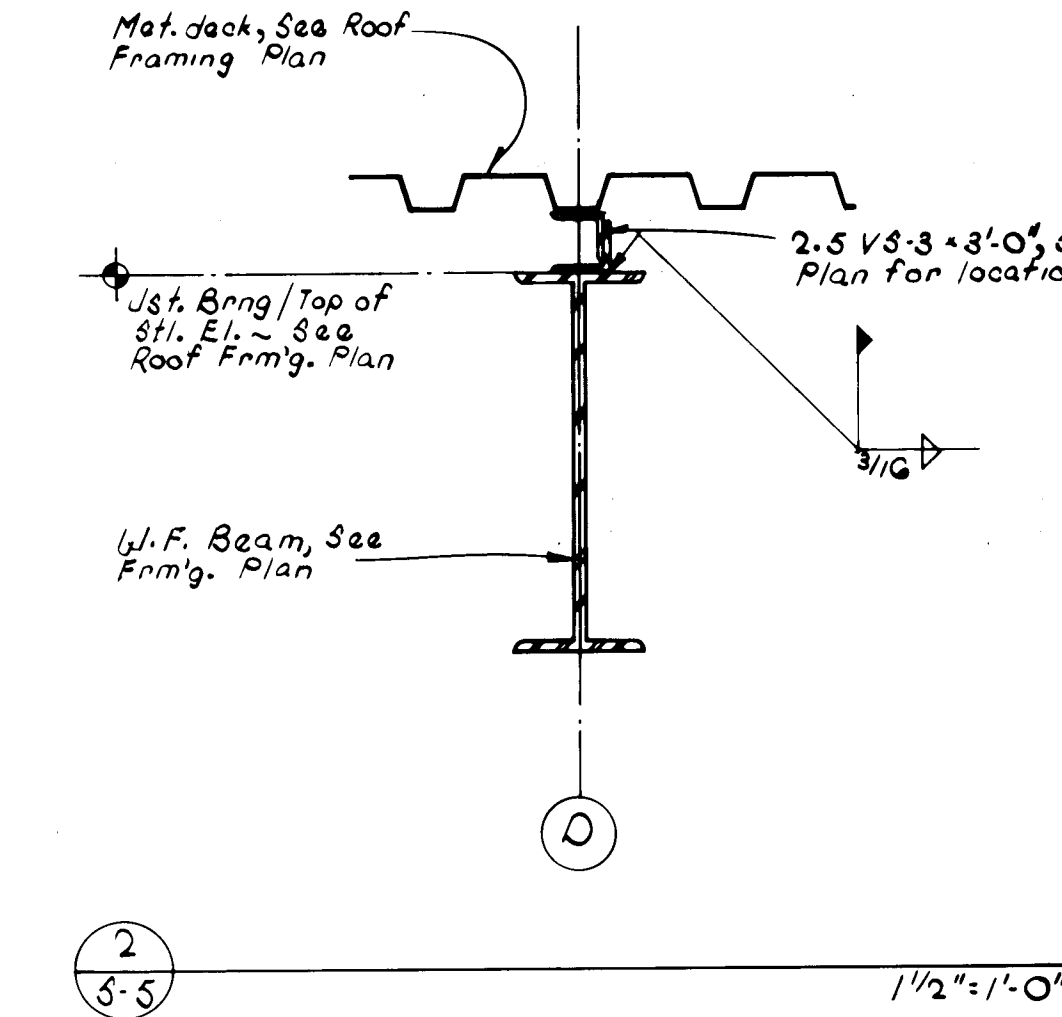
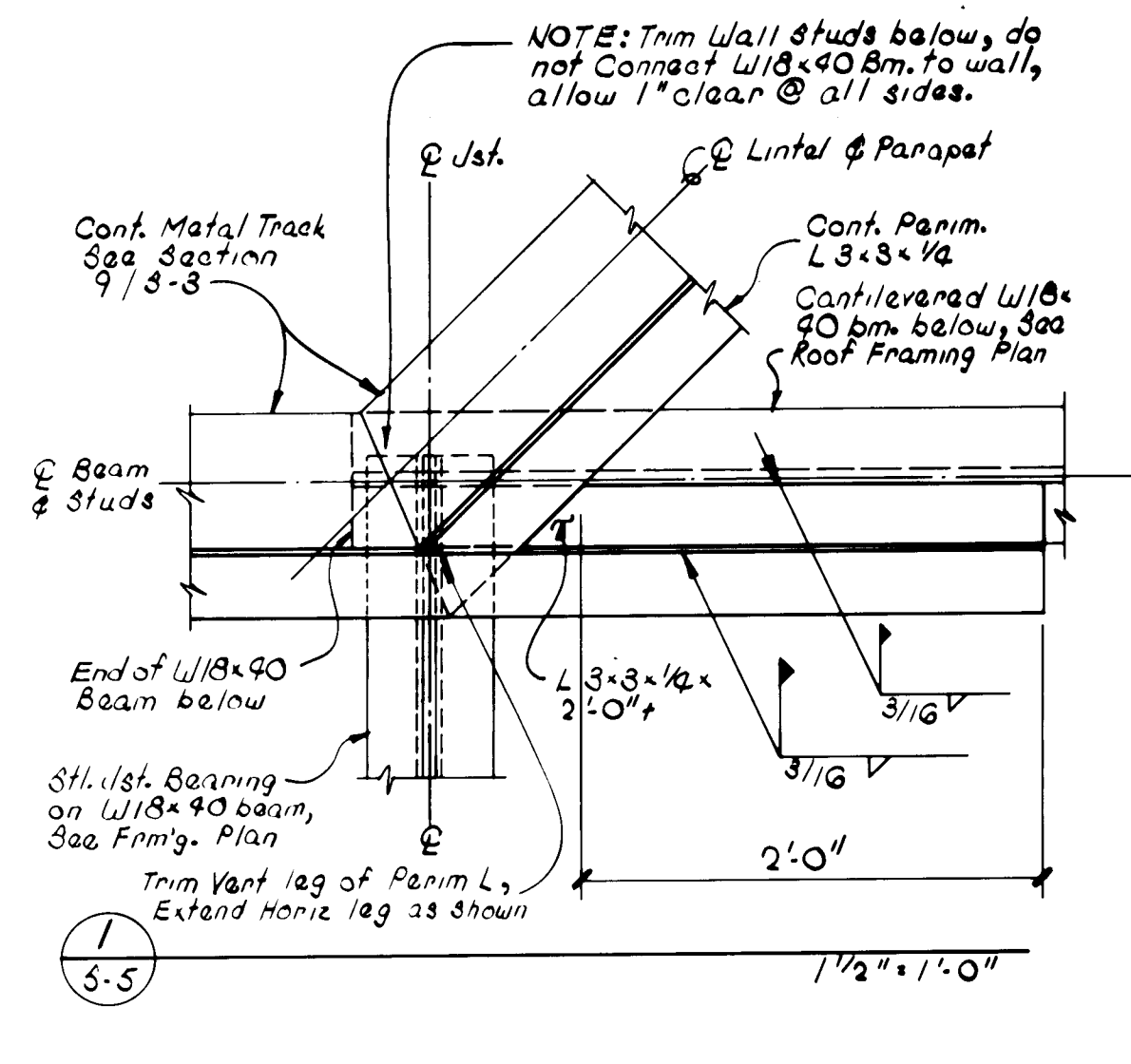
The plasticity index of the material, as determined in accordance with ASTM D4118, shall not exceed 15.

The fill material shall be free from roots, grass, or other deleterious materials. Site soils from the cuts may be used for fill, provided they meet the above requirements. The results of this investigation indicate that most of the native soils will be satisfactory, although some selective blending may be necessary.

When the quantity of suitable material required for fill is not available within the limits of the job site, the contractor shall provide sufficient materials for fill to raise the site to the limits, elevations and cross sections as shown on the drawings from borrow areas. The contractor shall obtain from owners of said borrow areas the right to excavate material, shall pay all royalties and other charges involved, and shall pay all expenses in developing the source including the cost of right-of-way required for hauling the material.
 - C. Construction:
 - (1) Building Area Treatment: Prior to construction of building pad fills and in cut areas at finished subgrade elevation, the native soils beneath the building pad and for a distance of at least 5.0 feet outside its perimeter, shall be scarified to a minimum depth of 12 inches and watered to bring the moisture content of the upper 5.0 feet as close as practicable to the optimum moisture content. Moisture achieved shall be verified by a representative of the geotechnical engineer by auguring small holes to 5.0 feet and obtaining representative samples in order to confirm proper wetting. In the event infiltration does not take place to the prescribed depth, the geotechnical engineers representative shall make a decision based upon the nature of the soil in question. The ground surface shall then be subjected to 20 coverages of a heavy steel drum vibratory roller (10 ton minimum weight).
 - When vibrations associated with the operation of a vibratory roller are potentially damaging to adjacent structures, a 20 ton minimum weight pneumatic roller may be substituted. The upper 12 inches of the native soils shall be compacted to the minimum dry density required in paragraph 4.C(1).
 - Foundations shall then be placed directly on these prewetted, compacted natural soils or placed on engineered compacted fills which are placed over these same prewetted, compacted natural soils.
 - (2) Treatment of Natural Ground Surfaces in Non-Building Areas: The upper 6 inches of native soils outside building areas upon which fills are to be constructed shall be scarified, brought to a moisture content of 2 percent below optimum or higher, and compacted to requirements in section 4.C(1).

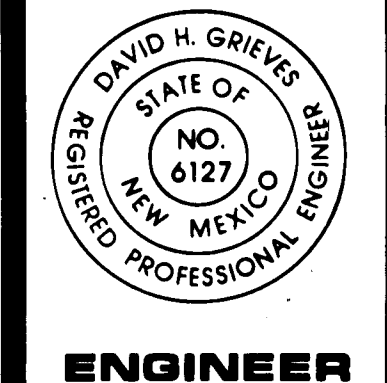
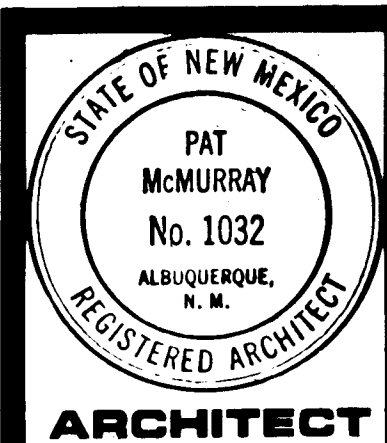
- (3) Compaction: The fill shall be spread in layers not exceeding 8 inches, watered as necessary, and compacted. The moisture content at the time of compaction shall be 2 percent below optimum, or higher. Compaction shall be by whatever mechanical method the contractor chooses to obtain a density of not less than 95 percent of maximum density for building pads. In no case should jetting, or water settling be used. Embankments outside the building pads shall be compacted to 90 percent of maximum density. Optimum moisture and maximum density for each soil type used shall be determined in accordance with ASTM D1557.

5. INSPECTIONS AND TESTS
 - A. Field Observation And Testing: The Owner shall employ the services of a registered, licensed geotechnical engineer to observe all controlled earthwork. The geotechnical engineer shall provide continuous on-site inspection by experienced personnel during construction of controlled earthwork. The contractor shall notify the engineer at least two working days in advance of any field operations of the controlled earthwork, or of any resumption of operations after stoppages. Tests of fill materials and embankments will be made at the following rates:
 - (1) One field density test for each 2,000 square feet of original ground surface prior to placing fill or in cut areas.
 - (2) One field density test for each 150 cubic yards of fill placed or each layer of fill for each work area, whichever is greater.
 - (3) One moisture-density curve for each type of material used, as indicated by sieve analysis and plasticity index.
 - Report of Field Density Tests: The geotechnical engineer shall submit, daily, the results of field density tests required by these specifications.



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VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO



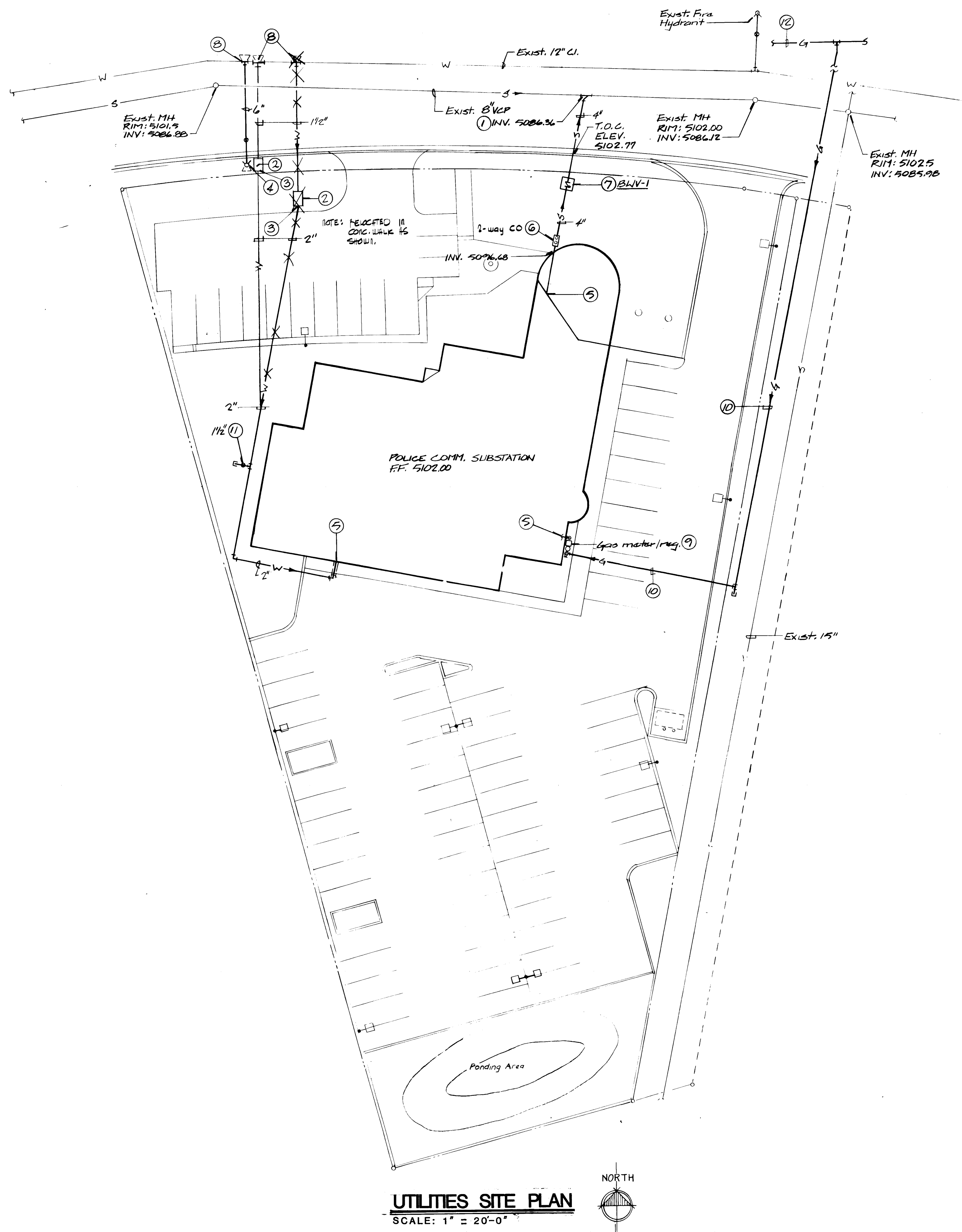
PROJECT NO.
8406

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CONTRACTOR NOTE:

These drawings reflect information on utilities gathered by site inspection, discussions with Municipal Officials and previous construction drawings. It is possible that the exact location of lines in the immediate vicinity of the proposed building may be slightly different from the location shown on this drawing. If additional lines are encountered, they shall be exposed and identified by this Contractor. Where additional lines and/or differing locations are encountered, this Contractor shall request that the Architect make a ruling as to any necessary change of materials, re-routing, abandoning or relocating of such lines. Gas Company of New Mexico shall be the sole authority in ruling on the disposition of natural gas piping. All lines encountered that interfere with construction shall be relocated (if active) and shall be removed (if inactive) by this CONTRACTOR UNDER THIS CONTRACT. All bidders are cautioned to investigate site conditions before submitting their bids.

UTILITIES NOTES

GENERAL:

- This contractor shall be responsible for the complete installation of all work related to Mechanical Utilities including: trenching, backfill, supports, cleanout pads, service stops and boxes, service lines, testing, cleaning and sterilizing. Any work not accepted by the Architect or Mechanical Engineer due to improper workmanship or lack of proper coordination shall be removed and correctly installed at the Mechanical Contractor's expense, as directed.
- Minimum depth below grade (cover):
Water - 42" Sewer - 24" Gas - 18"
- Refer to Architectural Plans for finish and existing grades.
- This Contractor shall coordinate cut-off of existing utilities for new connections with City of Albuquerque Engineering Officials and Owner, and shall conform to their requirements.
- Utilities connection points are approximate only. Each bidder shall satisfy himself as to existing site conditions before submitting his bid. No allowance shall be made after the contract is awarded for lack of pre-bid inspection of the site by the successful bidder.
- Sewer piping below slab or below grade shall be standard weight cast iron.
- This Contractor shall coordinate all utility work (domestic water, sewer, and gas piping) with Architect, Owner and Local Utilities Engineering Officials and shall conform to their requirements.
- Contractor shall expose and verify invert elevations of relevant sewer lines and manholes before setting any new inverts (either inside building area or on site). Should inverts differ greatly from those shown on these drawings, the Architect shall be notified and a decision made as to any change in manhole inverts, changes in routing or change in onsite sewer line slope and inverts.
- All materials (valves, lines, etc.) removed from the site, to be turned over to Maintenance personnel or disposed of as directed by Owner or his representative.

KEYED NOTES:

1. Connect new 4" sanitary sewer to existing sanitary sewer piping at approximate invert elevation 5086.36. This Contractor shall verify existing invert elevation, location and size of existing sanitary sewer piping at connection point with City of Albuquerque Engineering Officials prior to construction. Connect new 4" sanitary sewer to existing 8" sanitary sewer in accordance with recommendations by the City of Albuquerque Engineering Officials.
2. This Contractor shall furnish and install (or pay for City installation of) standard 1/2" water meter, meter enclosure, cover, valves, and piping as directed by the Water Resources Department for a complete installation. (80 gpm capacity)
3. Provide and install a 1 1/2" x 2" bell reducer downstream of 1/2" water meter and extend 2" piping to building.
4. Furnish and install new Fire Hydrant complete with thrust blocks and 6" gate valve in metal valve box. Install per City of Albuquerque regulations and standards.
5. See Plumbing Floor Plan for continuation of piping.
6. Install 2-way cleanout per detail AEP-87 in the Specifications.
7. Install Backwater Valve (BWV-1) in pit per detail AEP-76 in the Specifications.
8. Connect new water piping to existing 12" C.I. water main. Connect to 12" C.I. water main as directed by Water Resources Department officials. This Contractor shall be responsible for all costs and coordination with the Water Resources Department and shall conform to their standards and regulations.
9. Install new natural gas meter, regulator, service stop, and accessories according to Gas Co. of New Mexico requirements and regulations. The meter shall be sized for a total connected load of 710 CFH. This Contractor shall coordinate gas service and metering with Gas Co. of New Mexico.
10. Yard line sized and installed by Gas Co. of New Mexico for 710 CFH.
11. Landscape stub-out for future extension by others. Install service stop similar to detail AEP-8 in the Specifications. Cap line 12" beyond valve.
12. Natural gas main extension by Gas Co. of New Mexico. This Contractor shall notify Gas Co. of New Mexico when gas service is actually needed. Contractor shall also coordinate gas main and yardline with Gas Co. of New Mexico, Owner, and General Contractor. The gas main shall not be included in this contract.

ARCHITECT

ENGINEER

VALLEY WEST SIDE

POLICE COMMUNITY SUBSTATION

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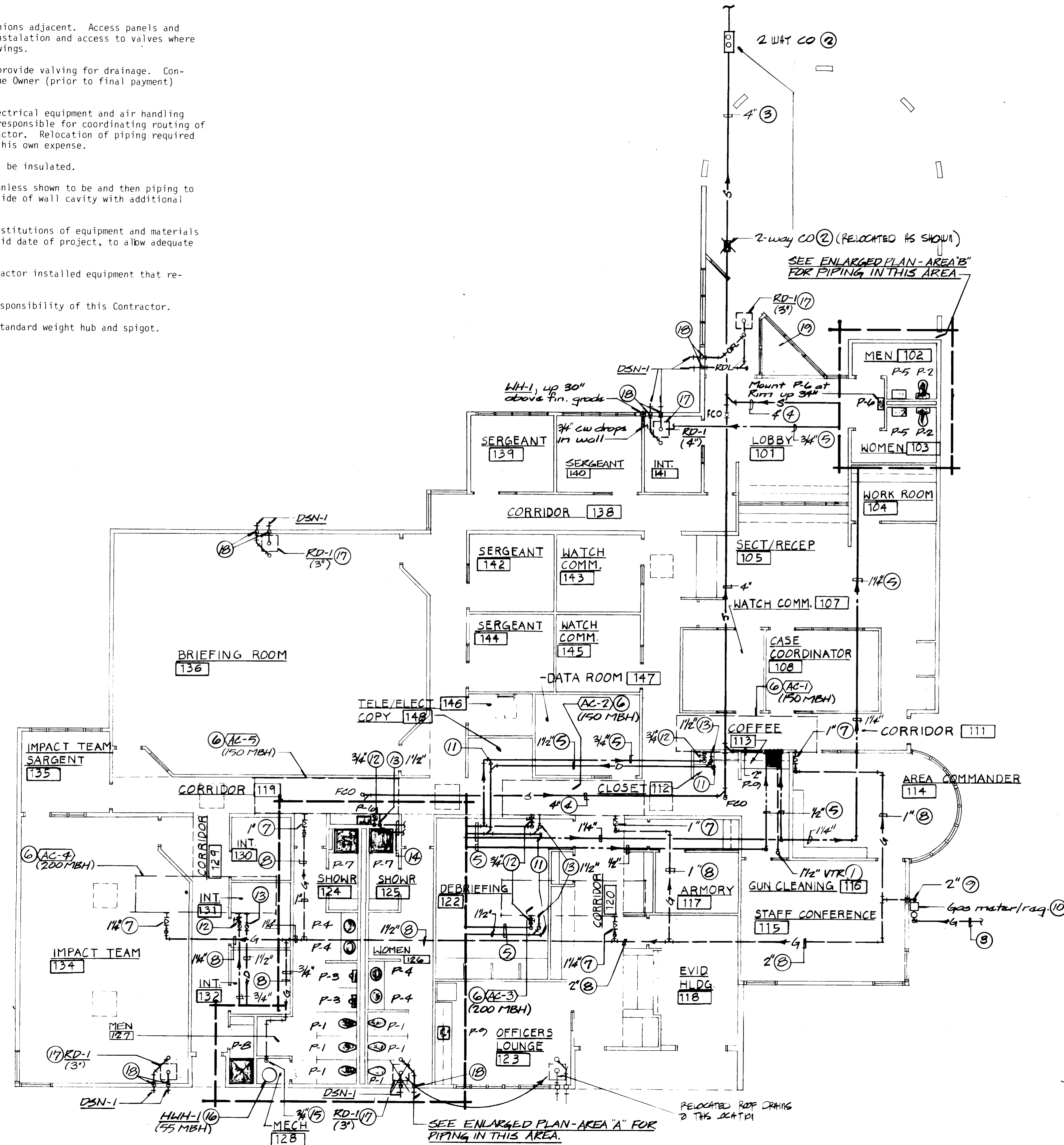
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GENERAL PLUMBING NOTES (APPLICABLE TO ALL PLUMBING SHEETS):

- All piping shall be concealed where possible. All exposed piping, where concealment is not possible, shall be painted.
- All piping above ceiling (hot water and cold water) shall be insulated. See Specifications.
- All branches shall be valved and all valves shall have unions adjacent. Access panels and doors shall be furnished to General Contractor for installation and access to valves where required. Locate additional valves as shown on drawings.
- All piping shall pitch to drain, and Contractor shall provide valving for drainage. Contractor shall deliver a marked-up set of plans to the Owner (prior to final payment) showing all branch valves and all drainage points.
- Care shall be taken to avoid mechanical ductwork, electrical equipment and air handling equipment above ceiling. This Contractor shall be responsible for coordinating routing of piping with ceiling contractor and sheetmetal contractor. Relocation of piping required by poor coordination by this contractor shall be at his own expense.
- All water piping in Mechanical Equipment Rooms shall be insulated.
- No water piping shall be located in outside walls, unless shown to be and then piping to be insulated and located as close as possible to inside of wall cavity with additional insulation between piping and exterior of wall.
- Written prior approval required for all proposed substitutions of equipment and materials shall be received by the Engineer 10 days prior to bid date of project, to allow adequate time for review and response.
- See Architectural Drawings for Owner furnished, Contractor installed equipment that requires piping connections, etc.
- All trenching and backfill for piping shall be the responsibility of this Contractor.
- All sewer piping below slab (below grade) shall be standard weight hub and spigot.



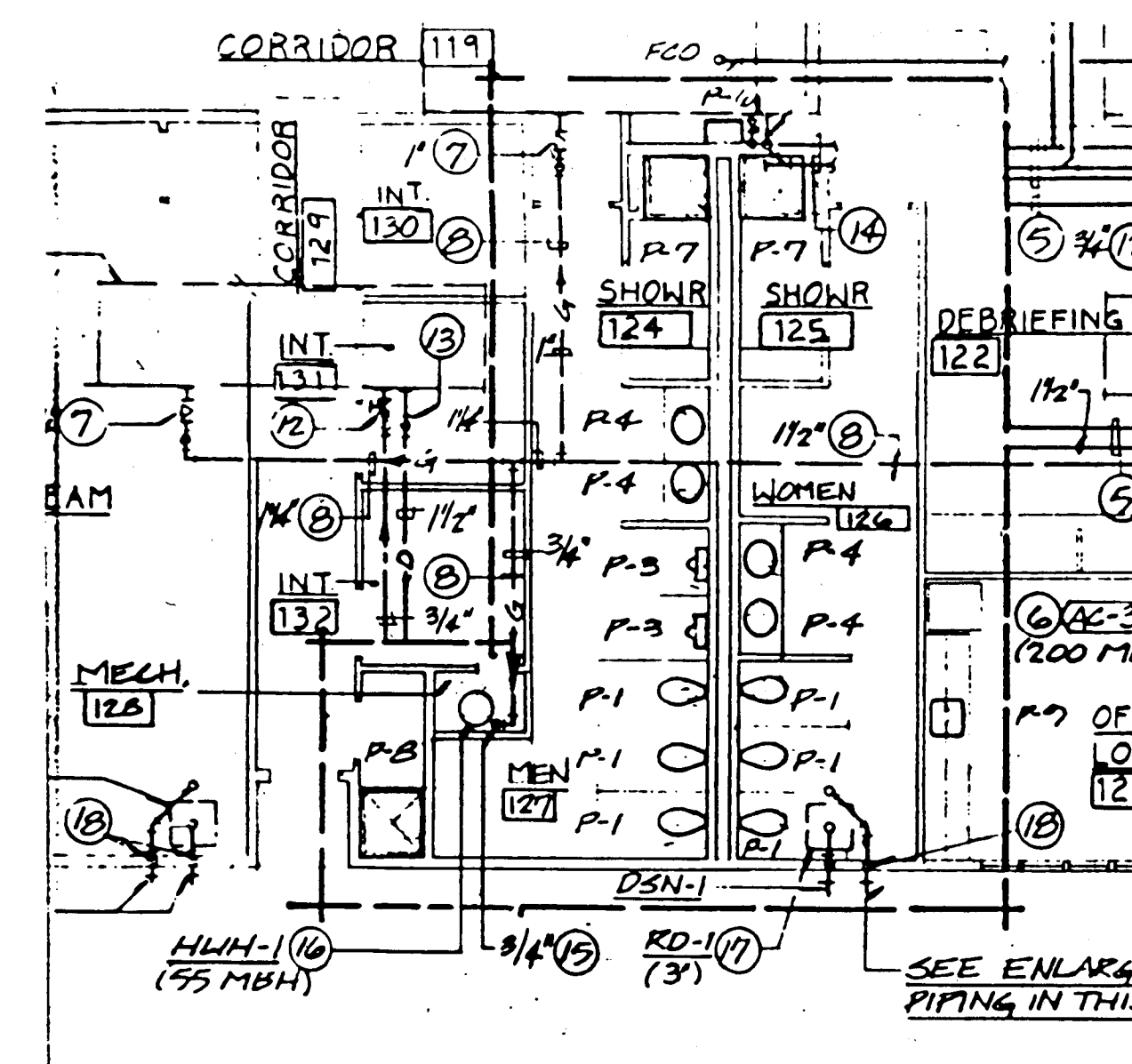
PLUMBING FLOOR PLAN

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



KEYED NOTES:

- Install vent thru roof per detail AEP-3 in the Specifications.
- Install 2-way cleanout to grade per detail AEP-87 in the Specifications.
- See Utilities Site Plan for continuation of piping.
- Sewer piping located below floor. Coordinate locations with structural elements, footings, etc., prior to fabrication.
- Piping located above ceiling. Coordinate location with mechanical equipment, ductwork, electrical equipment, etc.
- Outline of mechanical equipment on roof above. See Mechanical floor plan.
- Connect to each roof top gas burner assembly at each mechanical unit with gas cock, union, dirtied with removable cap and flexible connection. Verify exact location of gas connection with actual unit installed.
- Route gas piping on roof. Install per detail AEP-8A in the Specifications. Install supports at 48" on center, paint piping with 2 coats of heat reflective paint.
- Natural gas piping rises exposed on wall. Secure to wall with P-1000 unistrut brackets to above roof. Extend piping thru parapet wall in w.p. sleeve to above adjacent roof. Paint piping with 2 coats of paint as directed by Architect.
- Install natural gas meter, regulator, service stop and accessories according to Gas Co. of New Mexico requirements and regulations. Size meter for a total connected load of 910 CFH. This contractor shall be required to coordinate gas service and metering with Gas Co. of New Mexico.
- Plug cleanout in drain piping from air washers above ceiling. Install to be accessible from ceiling.
- Extend 3/4" cw line up thru roof per detail AEP-11 in the Specifications. Install 3/4" ball valve, hose bibb, union and connect at float valve assembly on air washer per detail on mechanical drawings, M-2. See Winter Drain Down Piping Assembly on Sheet P-1.
- Connect to drain connection on air washer section of mechanical equipment per detail on Mechanical drawing - M-2.
- See enlarged plan - Area "A" for continuation of piping.
- Gas piping drops thru roof. Install per detail AEP-24 in the Specifications.
- Install Water Heater per detail AEP-24 in the Specifications.
- Install roof drain and overflow standpipe per detail AEP-4 in the Specifications.
- Roof drain and overflow leader piping drops in wall to 8" above finish grade. Extend piping thru wall and install Downspout Nozzle DSN-1.
- Planter finish floor elevation is approximately 2'-0" below finish floor elevation therefore gravity drain to daylight from this planter is not possible. Planter may only be drained in to building sanitary sewer thru a sand trap, to protect sanitary sewer. Planter will be hand watered.



REVISED PARTIAL PLUMBING FLOOR PLAN

MECH. RM. #123

SCALE 1/8" = 1'-0"

ALLISON ENGR. INC. 8-14-85

SHEET P-2A

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ARCHITECT

ENGINEER

VALLEY WEST SIDE

POLICE COMMUNITY SUBSTATION

ALBUQUERQUE, NEW MEXICO

PROJECT NO.

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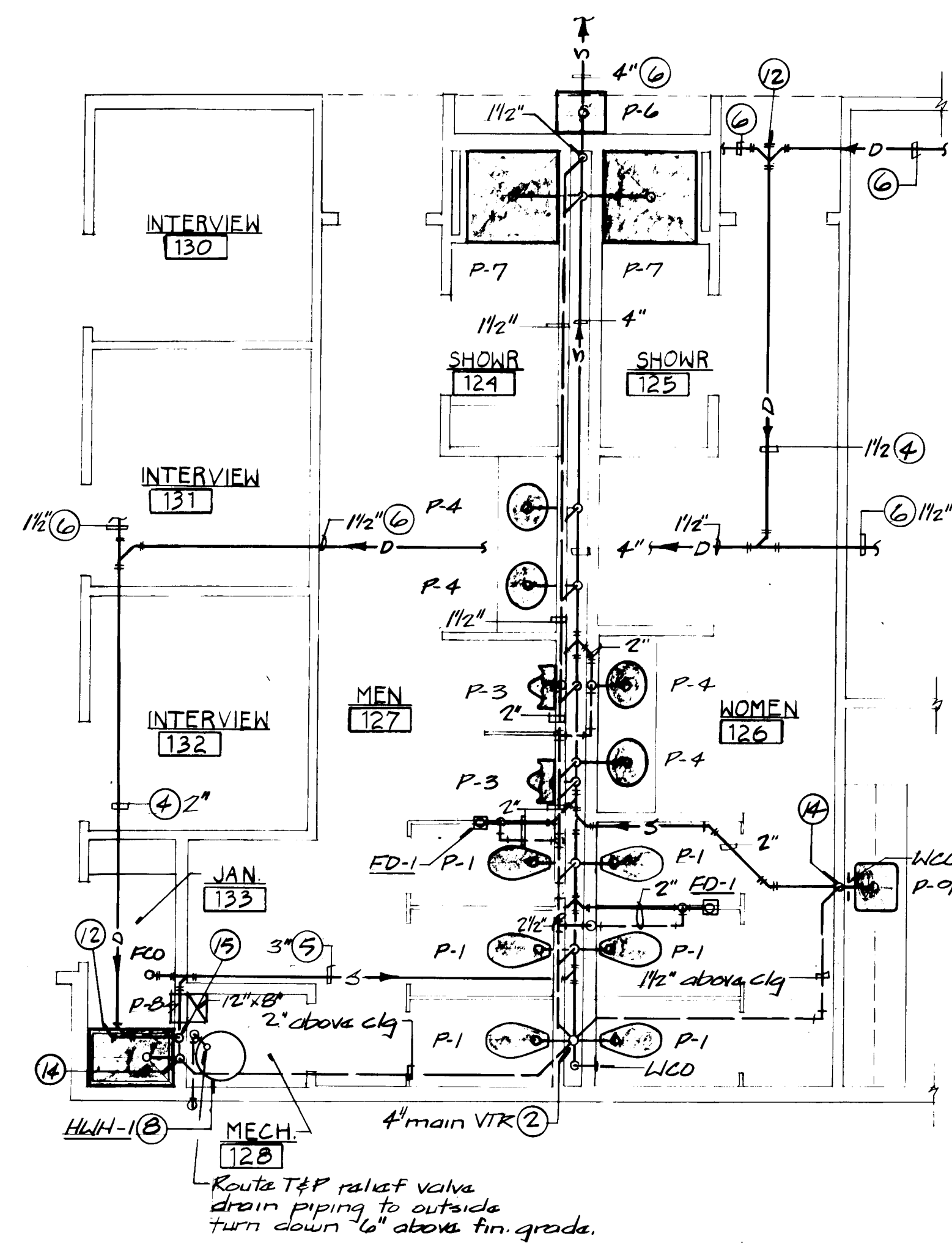
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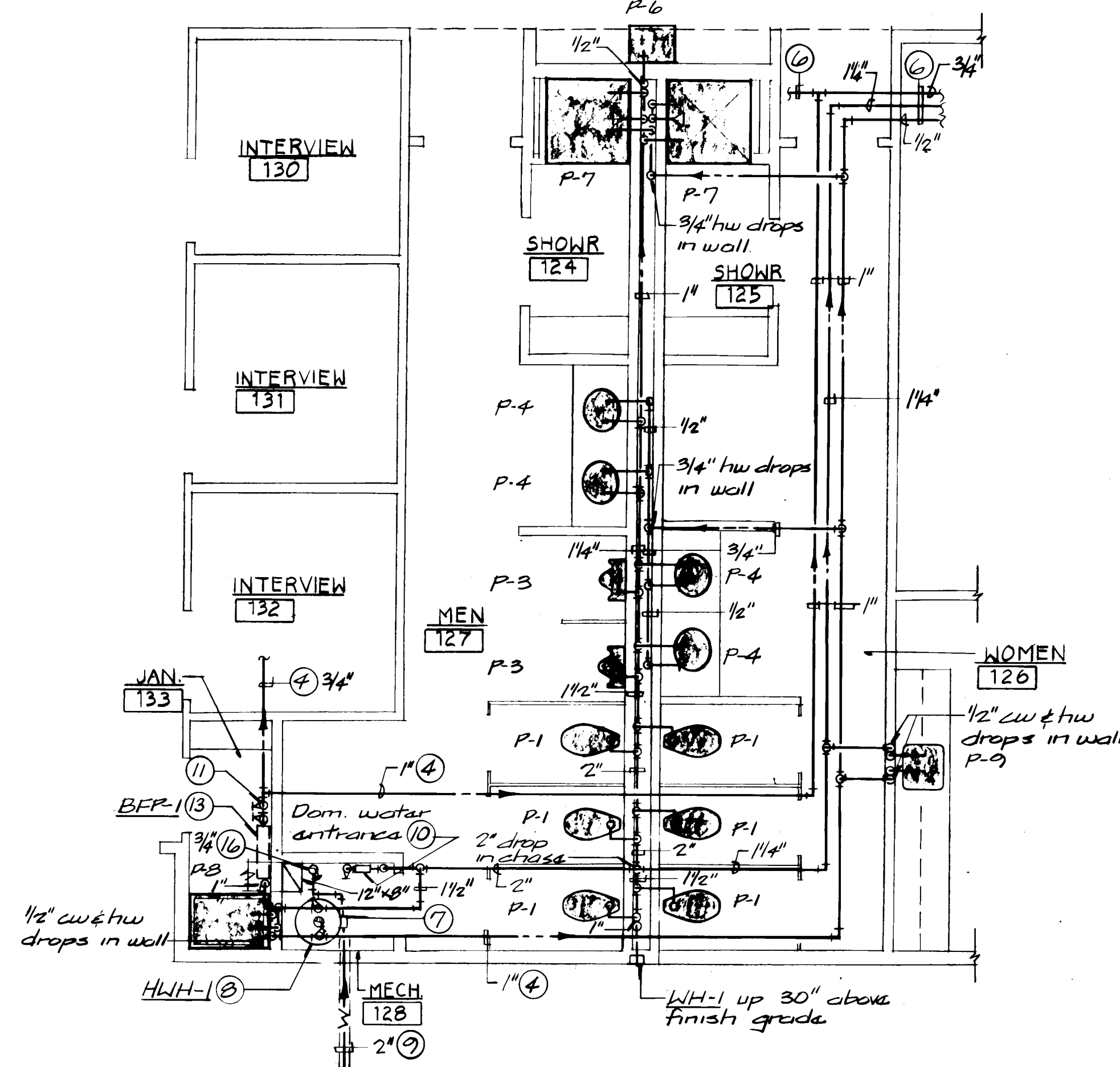
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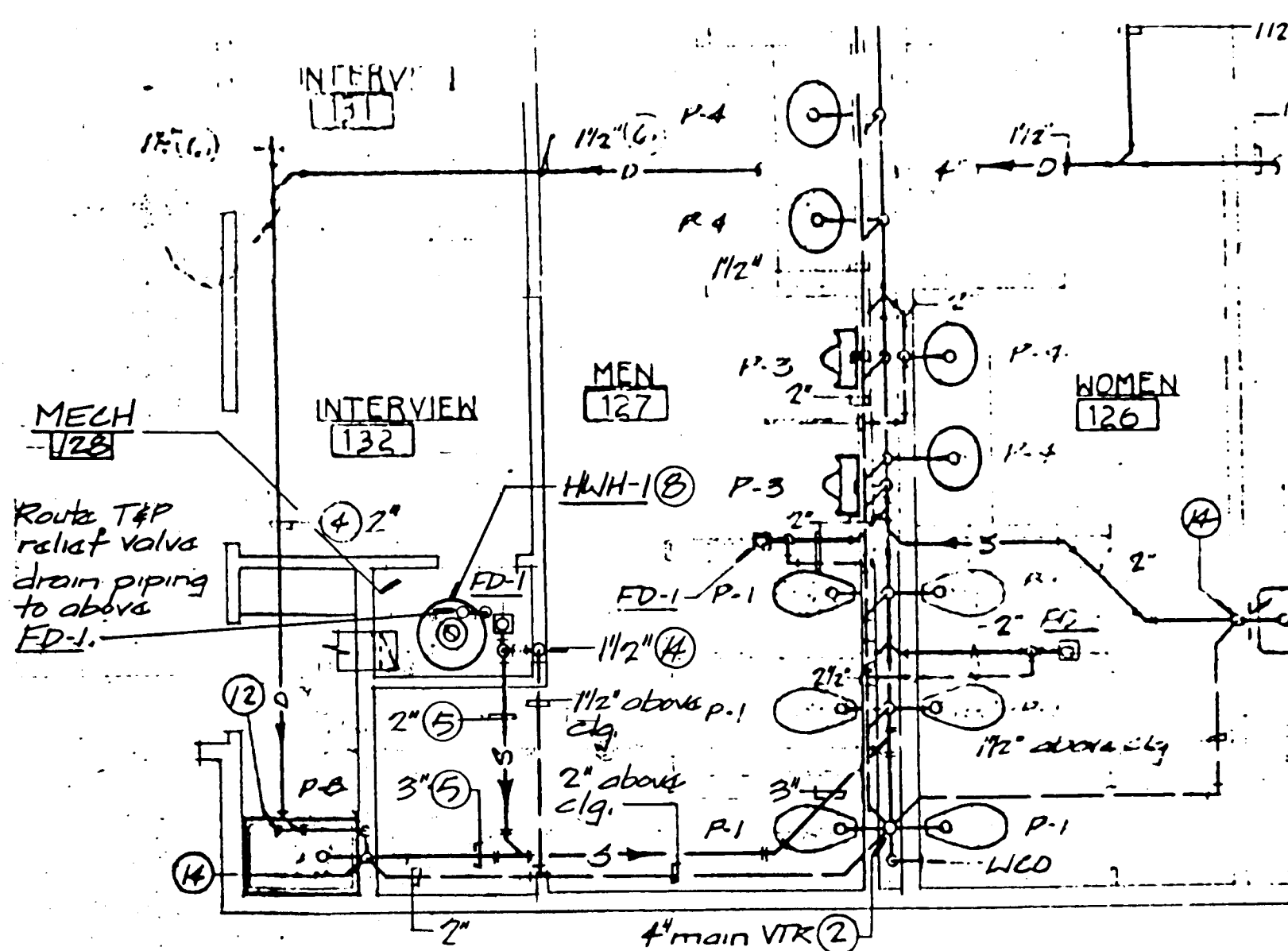
AREA "A" - SOIL, WASTE & VENT PIPING PLAN

SCALE: 1/4" = 1'-0"



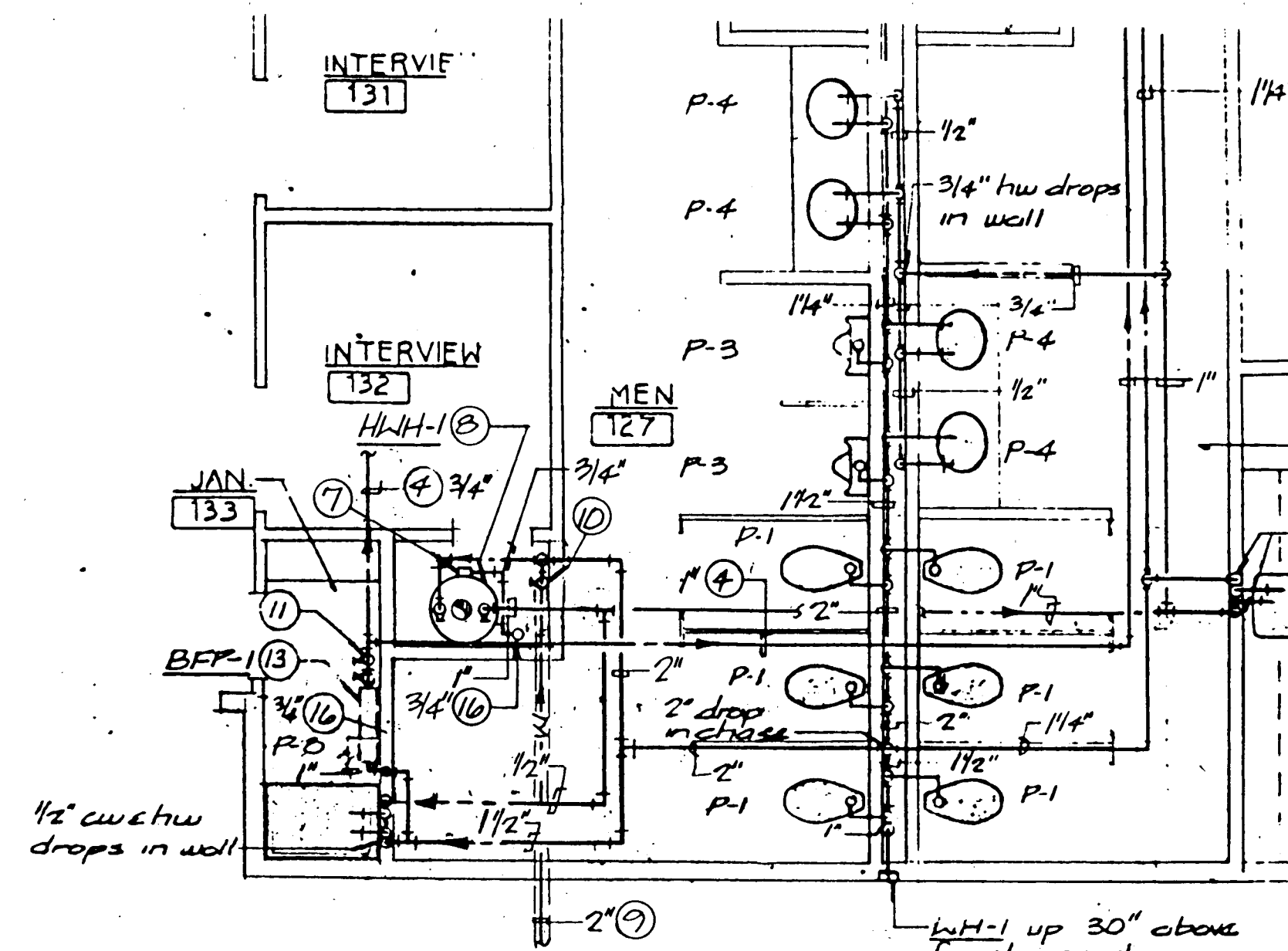
AREA "A" - WATER PIPING PLAN

SCALE: 1/4" = 1'-0"



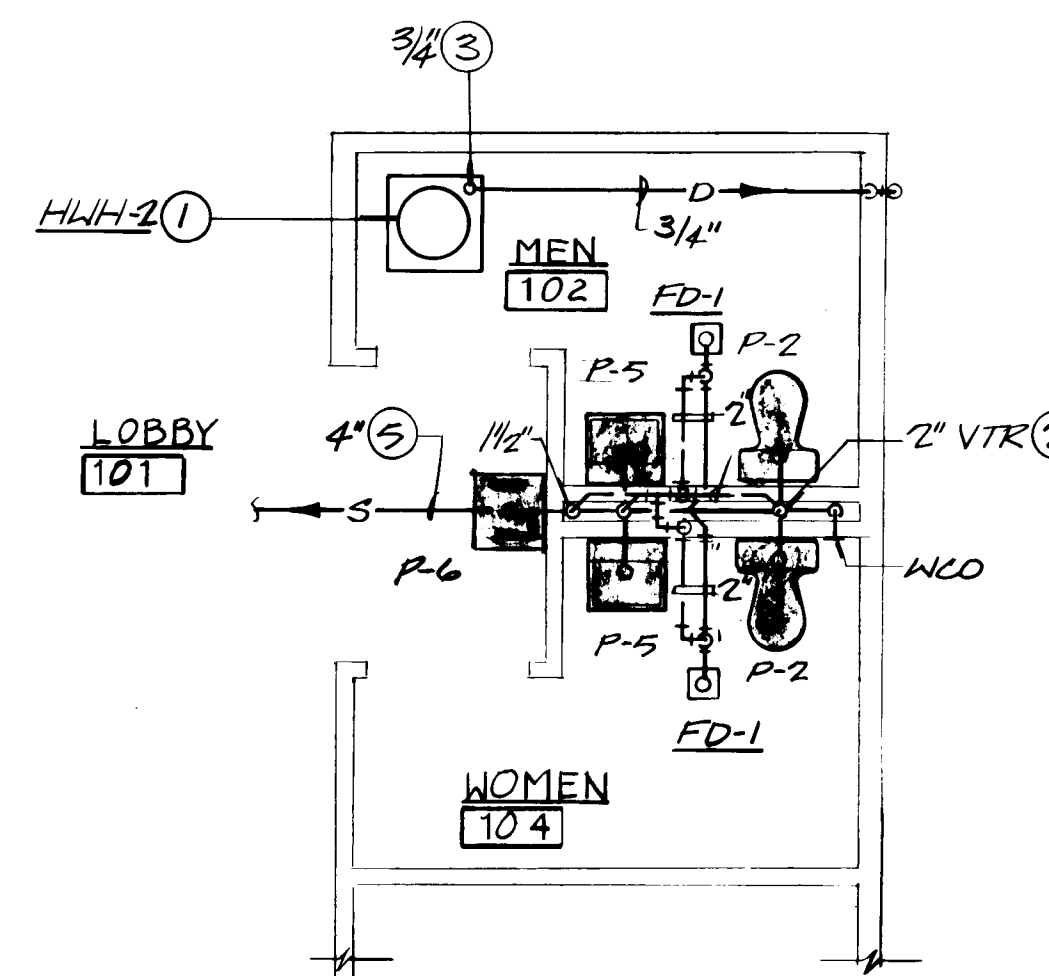
REVISED PARTIAL AREA "A" - SOIL, WASTE & VENT PLAN

SCALE: 1/4" = 1'-0"
ALLISON ENGR. INC. 85-03
8-14-85
SHEET P3A



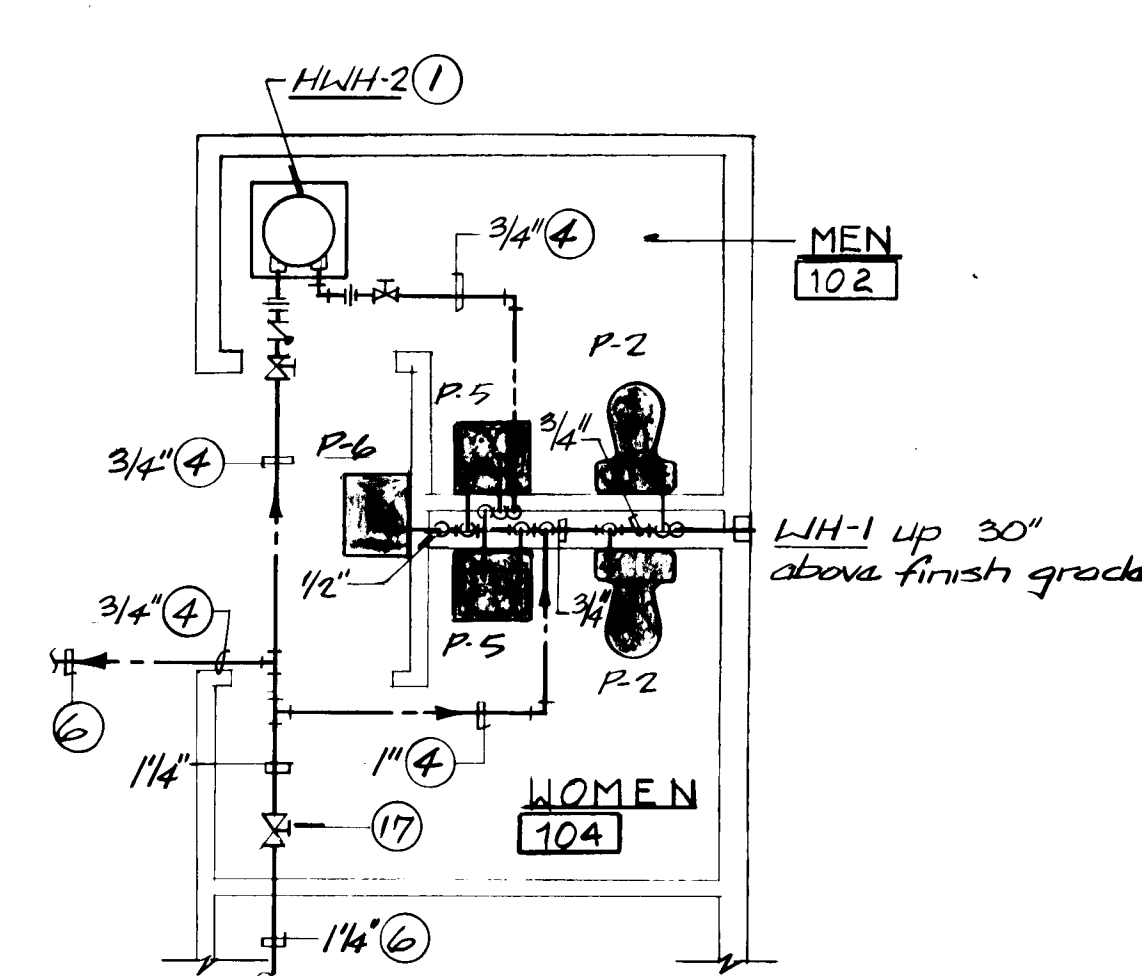
REVISED PARTIAL AREA "A" - WATER PIPING PLAN

SCALE: 1/4" = 1'-0"
ALLISON ENGR. INC. 85-03
8-14-85
SHEET P3B



AREA "B" - SOIL, WASTE & VENT PIPING PLAN

SCALE: 1/4" = 1'-0"



AREA "B" - WATER PIPING PLAN

SCALE: 1/4" = 1'-0"



ALYED NOTES:

1. Install water heater above ceiling per detail AEP-77 in the Specifications.
2. Install vent thru roof per detail AEP-3 in the Specifications.
3. Extend 3/4" drain piping from water heater drain pan above ceiling to outside wall. Drop in wall, 6" above finish grade, extend thru wall and turn 90° down.
4. Piping located above ceiling. Coordinate locations with mechanical equipment, ductwork, electrical equipment, etc. above ceiling.
5. Sewer and vent piping located below floor. Coordinate location with structural elements, footings, etc. prior to fabrication.
6. See Plumbing Floor Plan for continuation of piping.
7. Connect to gas-fired water heater with gas cock, union, dirtleg (with removable cap), and flexible connection.
8. Install water heater per detail AEP-24 in the Specifications.
9. See Utilities Site Plan for continuation of piping.
10. Install domestic water entrance station per detail AEP-68 in the Specifications.
11. Install water supply and winter drain for rooftop mechanical units per detail AEP-55 in the Specifications.
12. Plug cleanout in drain piping from air washers above ceiling. Install to be accessible from ceiling.
13. Install Backflow Preventer (BFP-1) 6'-0" above finish floor. Secure to wall with P-1000 unistrut brackets. Field fabricate galvanized, 24 ga. sheet metal drain pan 4" larger each way than BFP-1. Extend 3/4" drain line from drain pan, down on wall to discharge into janitor's sink. Pan shall be 24 ga. with all soldered seams to be watertight. Edge of pan shall be 2" high.
14. 1-1/2" vent pipe rises in wall to above ceiling and offsets to vent thru roof.
15. 2" drain piping from rooftop mechanical equipment in wall to 12" above finish floor. Extend piping thru wall and turn down to discharge into janitor's sink.
16. Gas piping drops thru roof in ventilated sleeve. Install per detail AEP-10 in the Specifications. Coordinate piping above with combustion air ductwork, etc.
17. Install gate valve for isolation of restroom supply piping, access panel in ceiling below valves.

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VALLEY WEST SIDE

POLICE COMMUNITY SUBSTATION

ALBUQUERQUE, NEW MEXICO

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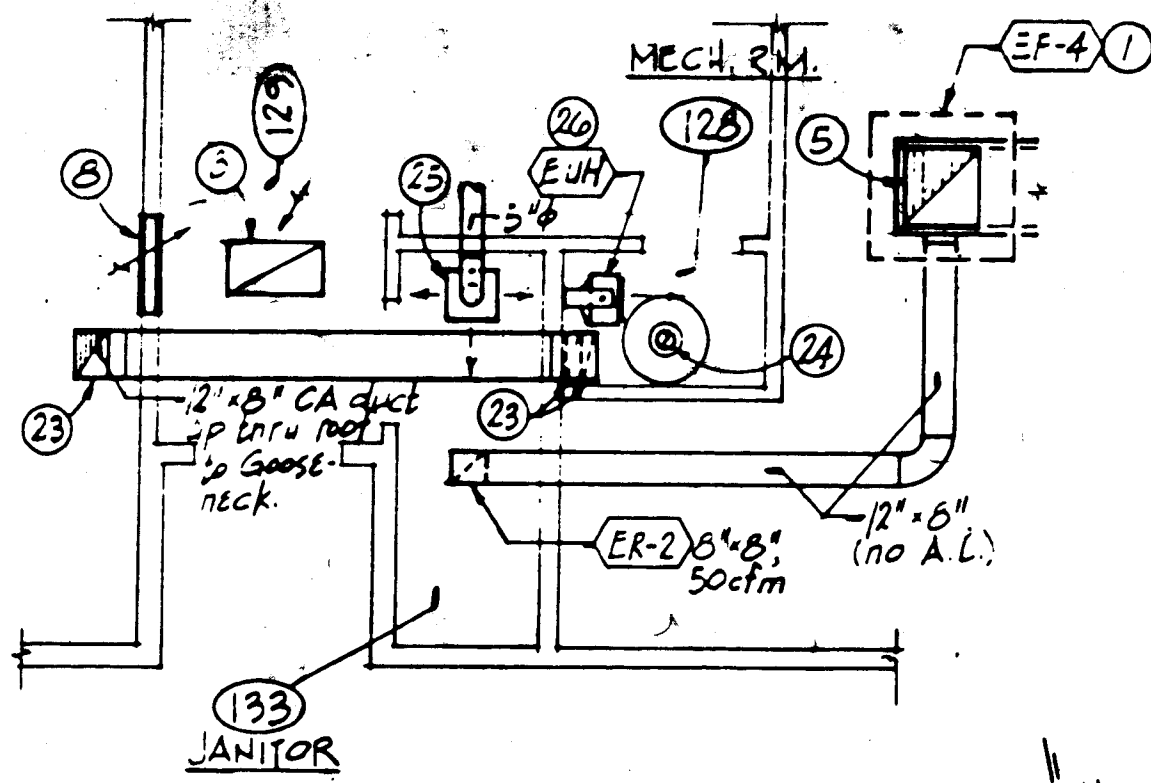
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GENERAL NOTES:

- Coordinate the location of all ceiling grilles and diffusers with the light fixtures and the lay-in ceiling panel grid, also see Architectural Reflected Ceiling Plan.
- Coordinate the location of all duct penetrations thru the roof with the structural system. Frame around each opening per Roof Framing Detail (AE-1) in the project Specifications.
- Provide access doors in fixed ceilings, chases and ductwork to all fire dampers, balancing dampers or other mechanical devices needing service access.
- All fire dampers shall be installed in a U.L. approved manner and shall be U.L. listed. Damper sleeves shall be 1/2" min. or heavier if so directed.
- B.D. = Balancing Damper
 - A.L. = Acoustic Liner
- S = Manual Switch
 - F.D. = Fire Damper
- Flexible duct runouts to diffusers shall be pre-insulated and shall not exceed 6' in total length.
- Supply duct (low pressure) runouts over 50' in total length shall be sealed at all joints with approved high pressure duct sealer.
- Install manual "Spin-In" type fittings and dampers for branch runouts to each diffuser. Branch runouts shall be same size as neck size of diffusers.

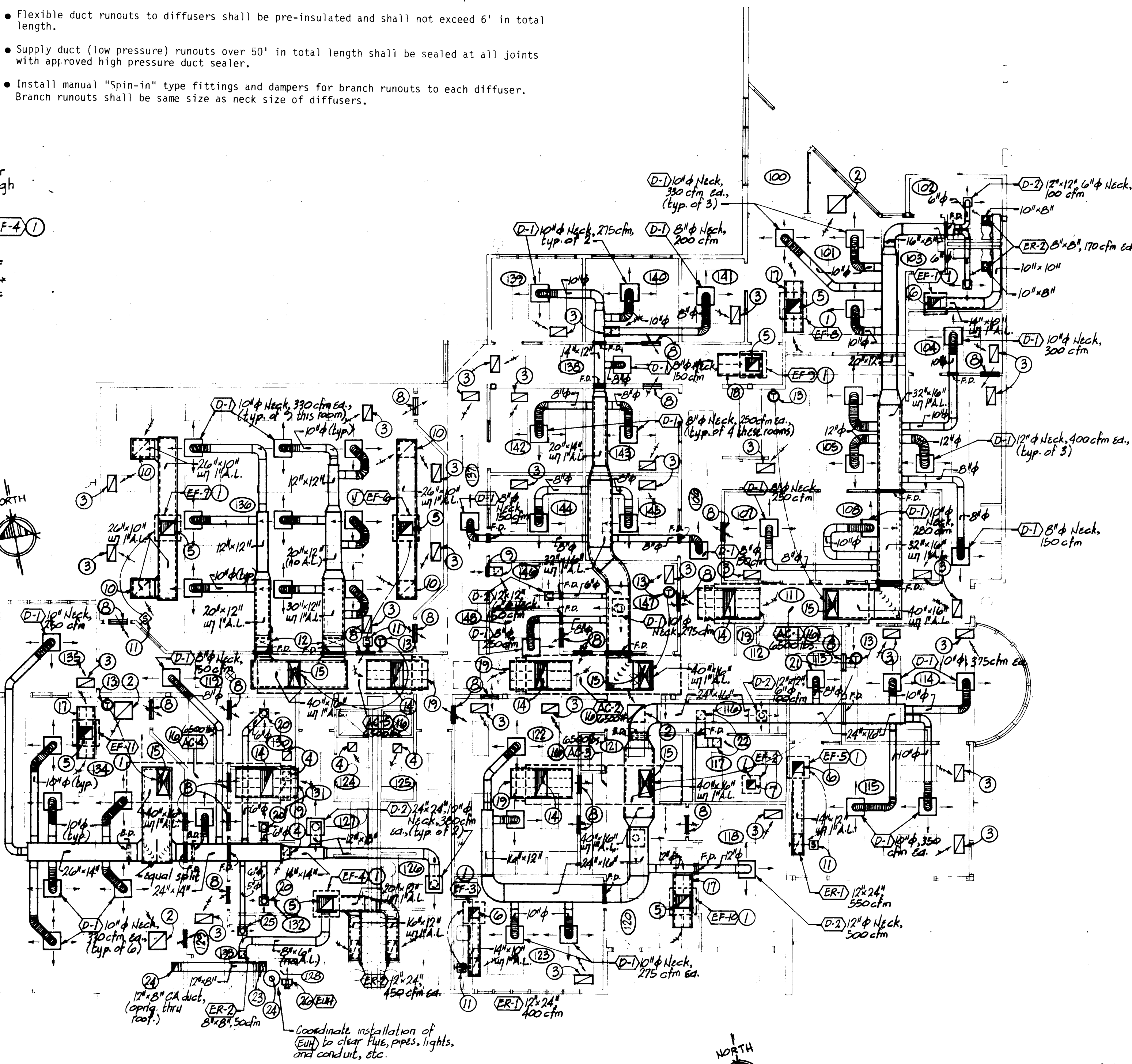
NOTE: see sheet M-1 of Construction Drawings for keyed notes.

Change note (2) to read: one half low (at burner height, approx. 12" above finish floor) and one half high (approx. 12" below finish ceiling, etc.).



REVISED PARTIAL MECH. FLOOR PLAN
MECH. RM. # 123
NOT TO SCALE

85-09
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MECHANICAL FLOOR PLAN

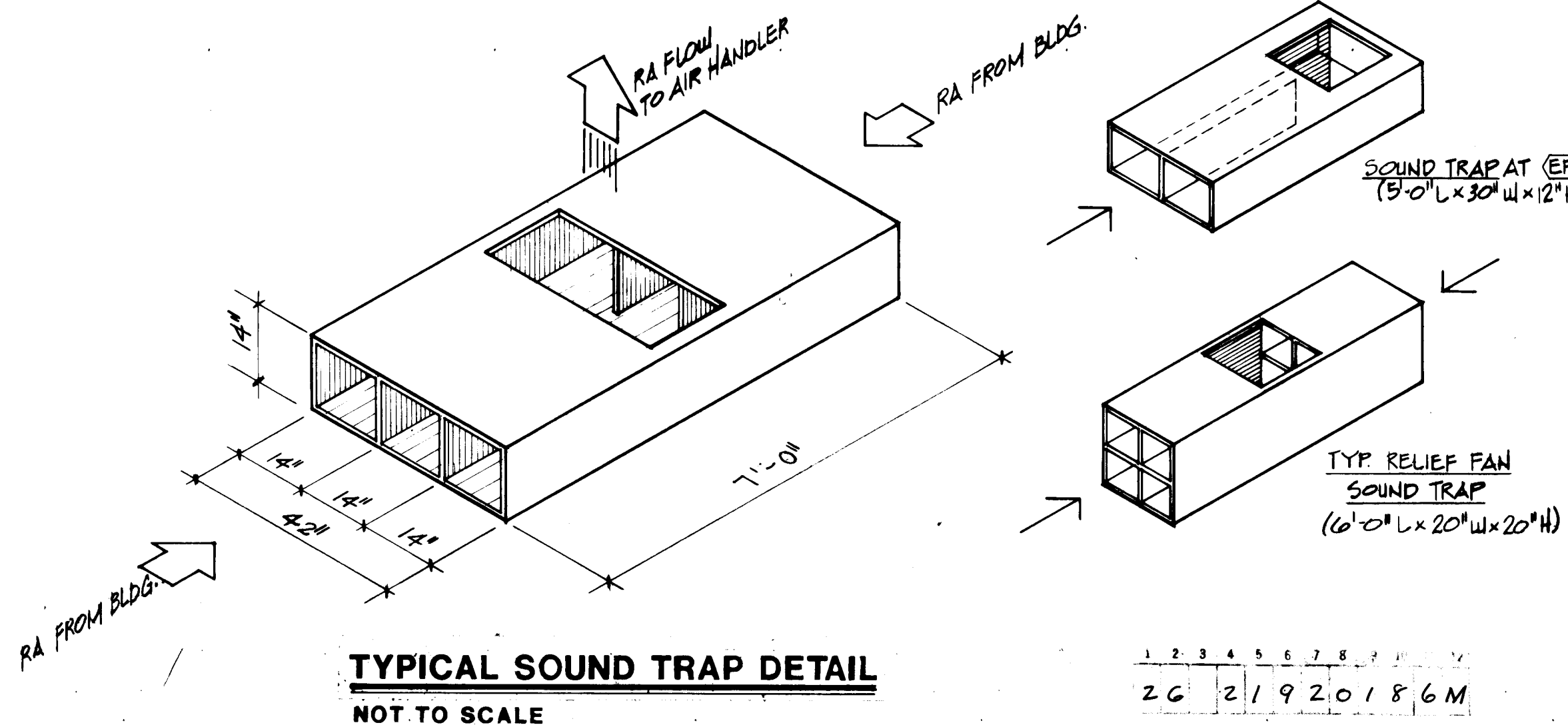
SCALE: 1/8" = 1'-0"

KEYED NOTES:

- Outline of exhaust fan on roof, curb mounted, similar to standard detail in Specifications.
- 24" x 24" (RE-1), with sound hood above.
- 12" x 24" (RE-1), with sound hood above.
- 12" x 12" (RE-2), with sound hood above.
- 12" x 12" exhaust air duct up thru roof to fan on curb (approximately 100 lbs.) see standard detail in Specifications.
- Same as note (3) except 14" x 14" exhaust duct up thru roof.
- 12" x 12" (RE-2), 150 cfm, in ceiling with 12" x 12" exhaust duct up thru roof to fan on curb (approximately 40 lbs.).
- 24" x 12" or 24" S.F. metal stud framed opening for air transfer. Sleeve thru rated wall with 160-deg. F.F.D. above ceiling, seal around penetrations to maintain fire separation.
- 12" x 12" (RE-2) in ceiling with 12" x 12" duct elbow above ceiling to 12" x 3" 160-deg. F.F.D. sleeve thru rated wall, similar to note (8).
- 24" x 24" (RE-1), 500 cfm each (typ. of 4).
- Manual switch on wall for exhaust fan, "ON-OFF".
- Supply air ducts rise with (2) - 45-deg. offsets up between joist for clearance of lights and ceilings. Branch ducts shall be routed between joist webs in this room.
- Thermostat location means location of complete controls. Controls include heating thermostat, cooling thermostat, air volume selector, mode selective switch, and inlet filter. See Control Diagrams for more complete explanation. Devices shall be arranged neatly under direction of Equipment Subcontractor in an arrangement approved by the Architect's Representative.
- 16" x 36" return air duct up thru roof to curb mounted Air Handling Unit, see detail on M-2.
- 16" x 36" supply air duct, same as note (14).
- Roof mounted Air Handling Unit, (approximately 550 lbs.), per typical detail on sheet M-2.
- 6'-0" L x 20" W x 23" D Sound Trap, open at both ends, installed up as high as possible between joists. Coordinate with General Contractor to clear structural steel bridging. See Sound Trap Detail for similar construction notes.
- 5'-0" L x 30" W x 12" D Sound Trap, open at one end, installed below joists.
- 7'-0" L x 14" D x 42" W Sound Trap, open at both ends, installed below joists. See Sound Trap Detail and Air Handling Unit install.
- (RE-2), 12" x 12", 6" dia. neck, 110 cfm each (typ. of 3 these rooms).
- (RE-1), 8" dia. neck, 200 cfm.
- 12" x 8" transfer air duct connecting rooms (116) to (117) above ceilings. Sleeve thru wall above ceiling with 160-deg. F.F.D.
- 12" x 8" combustion air duct, one-half low (at burner height, approximately 12" above finished floor) and one-half high (approximately 3" from ceiling), up thru roof to 12" x 8" goose-neck with screen. See Detail AEM-18A in Specifications. Offset duct in ceiling space to maintain minimum 5'-0" distance between combustion air opening and HMI flue on roof.
- 4" flue thru roof from (HMI). See Standard Detail in Specifications.
- 12" x 12" (RE-2), 5" Ø neck, 50 cfm.
- (HMI) mounted to wall bracket up high as possible. Space is limited in this closet; Coordinate with other trades for clearances. Set the automatic self-contained thermostat at 40-deg. F for freeze protection.

NOTES: (Sound Traps)

- All sound traps to be constructed of 1" rigid black-faced fiberglass acoustical insulation board. Use egerate type openings as shown below. Joints will be taped and/or glued to be rigid. Sound trap is to be secured to joists with straps or sheet metal housing as necessary to insure rigidity.
- This detail applies to sound traps below air handling units and relief air exhaust fans. See Plan for note symbols, location, and orientation.
- Detail in Specifications applies to return grilles in ceiling as noted with note symbol on Plan.



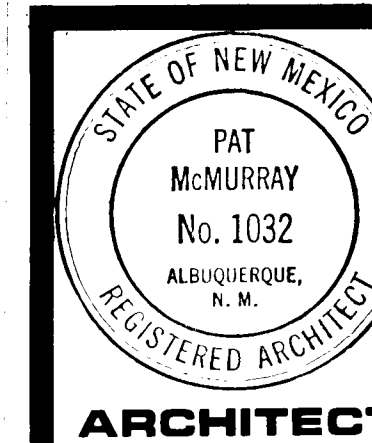
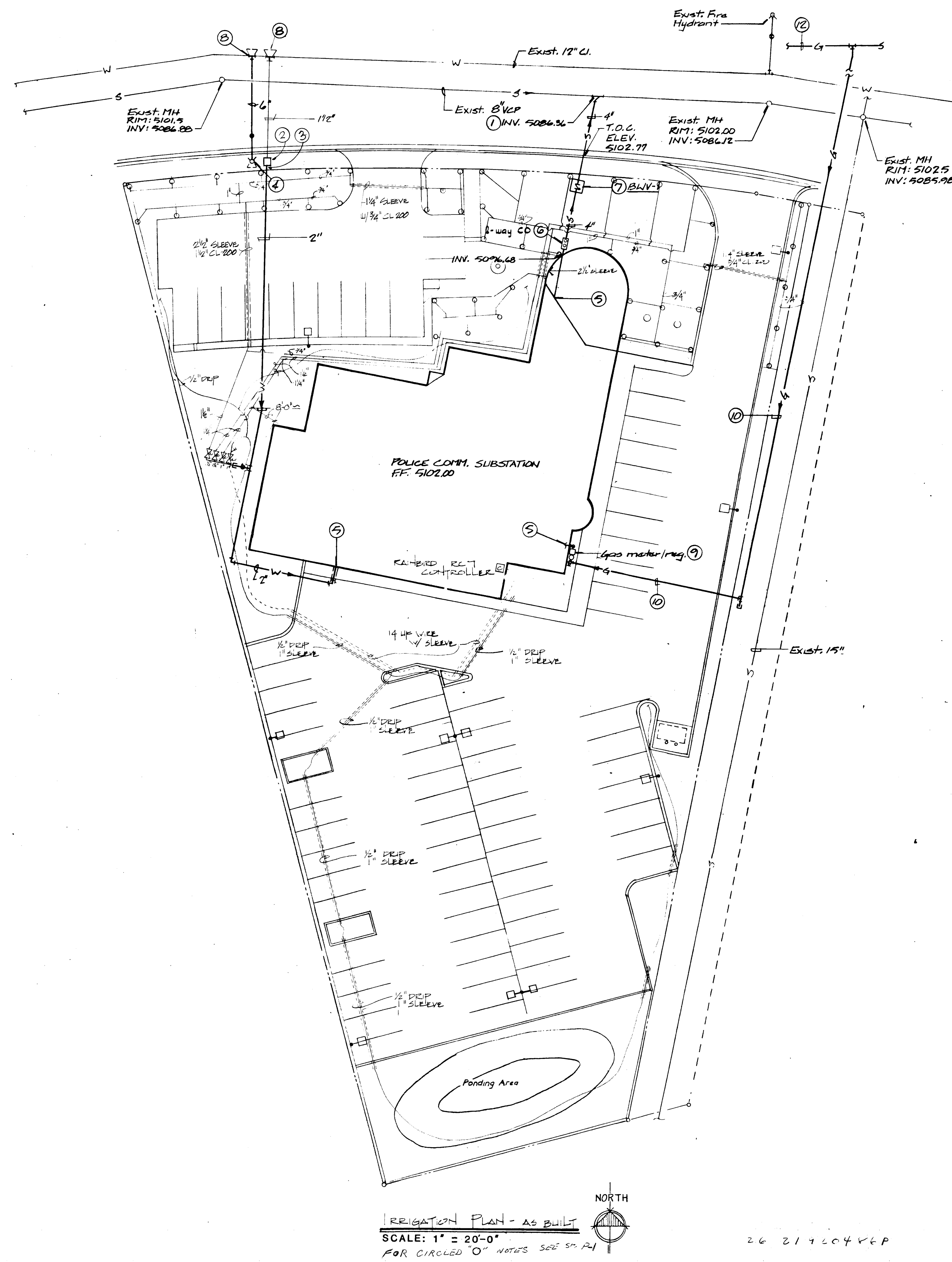
TYPICAL SOUND TRAP DETAIL

NOT TO SCALE

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VALLEY WEST SIDE
 POLICE COMMUNITY SUBSTATION
 ALBUQUERQUE, NEW MEXICO



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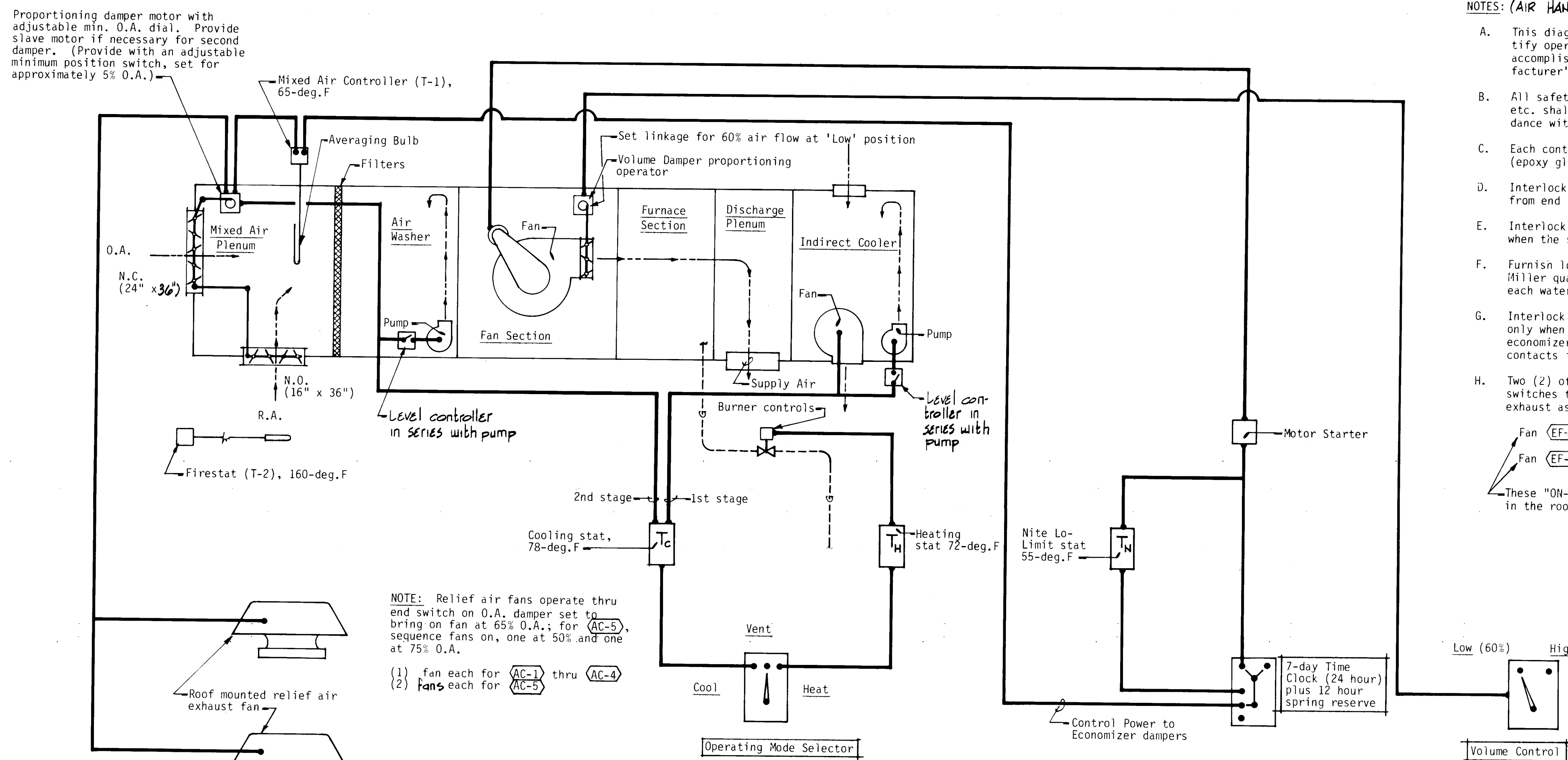
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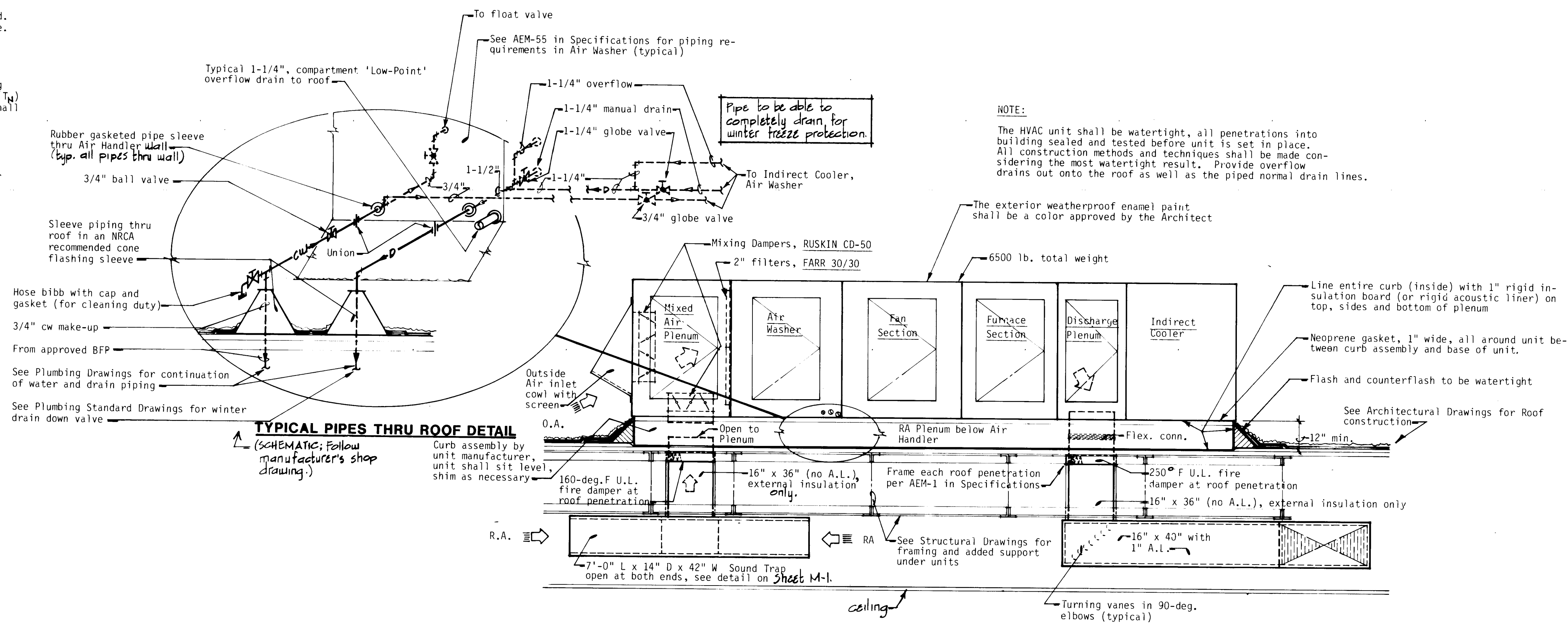
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AIR HANDLING UNIT CONTROLS (AC-1) THRU (AC-5)
NOT TO SCALE

SEQUENCE OF OPERATION:

1. The time clock supplies control power for constant fan operation during occupied period. The time clock allows the O.A. economizer dampers to function during the occupied cycle.
2. The "Operating Mode" selector switch should be manually positioned to provide cooling, ventilation only, or heating.
3. When switched to "Heat", the heating thermostat (T_H) will cycle the gas burner. During "Un-occupied" periods when the time clock has the supply fan off, low limit nite stat (T_N) shall bring on the burner and the fan, if temperature drops to 55-deg.F. The burner shall be interlocked such that the gas cycle will fire only if the fan is running.
4. When switched to "Vent", the fan runs, and the economizer damper system cycles; no heating or cooling operates.
5. When switched to "Cool", the two-stage cooling stat (T_C) shall sequence on the air washer water pump (Stage 2) and the indirect cooler pump and fan (Stage 1). The O.A. damper goes to full open (and the return damper full closed) on a call for cooling.
6. The economizer dampers shall cycle to bring in O.A. during cool weather, cooling the mixed air to 65-deg.F (controlled by T-1). They will function only when the fan is running. A minimum O.A. setting will be part of the damper motor. As the outdoor air damper is cycled gradually open, the relief fan will cycle on at 65 O.A. Two fans sequence on in series for Unit (AC-5).
7. The firestat (T-2) shall shut down the fan if the R.A. temperature reaches 160-deg.F.
8. Lo volume shall be used for heating. Hi volume should be used for cooling. Hi or Lo volume may be used for ventilation. During cold weather, the volume switch should be kept in the low position.



TYPICAL AIR HANDLING UNIT DETAIL
SCALE: 1/2"=1'-0"

NOTES: (AIR HANDLER CONTROLS)

- A. This diagram is schematic only, intended to identify operation sequence. Actual wiring shall be accomplished in accordance with the HVAC manufacturer's diagrams.
- B. All safety devices such as float switches, relays, etc. shall be furnished and installed in accordance with the HVAC manufacturer's recommendations.
- C. Each control device shall have McQuarta Label (epoxy glued or bolted to device).
- D. Interlock relief fans such that they sequence from end switches on damper operator.
- E. Interlock the furnace gas burner to cycle on only when the supply fan is running.
- F. Furnish low limit float switches (McDonnell-Miller quality level) to be wired in series with each water pump.
- G. Interlock the economizer damper cycle to function only when supply fan is running and to shut-off economizer during un-occupied periods (2nd set of contacts in time clock).
- H. Two (2) of the relief-exhaust fans shall be switches to allow occupants to use them for room exhaust as well as relief discharge. These are:
Fan (EF-6) operating with unit (AC-5).
Fan (EF-7) operating with unit (AC-5).
These "ON-AUTO" switches shall be wall mounted in the rooms the fans exhaust from.

HVAC UNIT	RELIEF AIR FANS
(AC-1)	(EF-8)
(AC-2)	(EF-9)
(AC-3)	(EF-10)
(AC-4)	(EF-11)
(AC-5)	(EF-12) (EF-13)

INDEX TO MECHANICAL STANDARD DRAWINGS: (See Project Specifications)	
ROOF FRAMING DETAIL	AEH-1
EXHAUST FAN DETAIL	AEH-3
FLUE THRU ROOF DETAIL - RESIDENTIAL & LIGHT COMMERCIAL	AEH-6
DIFFUSER DETAIL	AEH-13
DIFFUSER DETAIL	AEH-14
SOUND TRAP DETAIL	AEH-16
VENETIAN BLIND TYPE FIRE DAMPER DETAIL	AEH-22
TYPICAL ROOF MOUNTED AIR WASHER PIPING DETAIL	AEH-55

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ENGINEER

VALLEY WEST SIDE

POLICE COMMUNITY SUBSTATION

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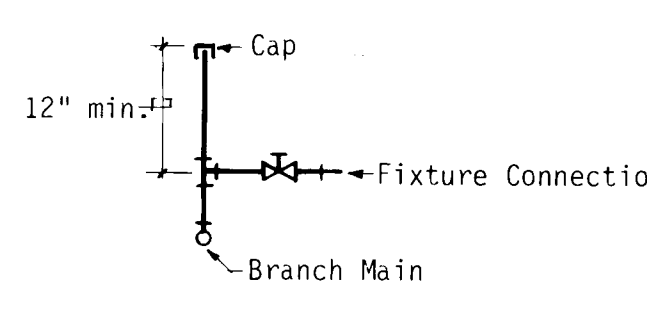
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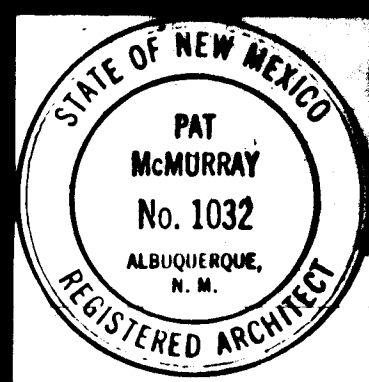
PLUMBING FIXTURES SCHEDULE	
SYMBOL	DESCRIPTION
P-1	WATER CLOSET: Flush valve, floor-mounted, elongated rim, siphon jet, 10" roughing-in, 1-1/2" top spud, KOHLER "Penryn" No. K-4282-ET, with vandalproofed bolt caps. Seat: SPERZEL No. 50-E, white, fire-proof, self-sustaining. Flush valve: DELANY "Flushboy" No. 402-AVB. 4" waste, 2" or 4" vent (as shown), 1" cw.
P-2	WATER CLOSET (HANDICAPPED): Two-piece, floor-mounted, elongated, siphon action, tank type, KOHLER "Highline" No. K-3528-EB, with No. K-7639 angle supply with L.K. stop, 12" roughing-in, vandalproofed bolt caps. Seat: KOHLER No. K-4650 open-front with cover, white. Fittings: No. K-9262, 9354, 9400 std. trim. 4" waste, 2" or 4" vent (as shown), 1/2" cw.
P-3	URINAL: Vitreous china, wall-hung, 3/4" top spud, washout action, KOHLER "Bardon" No. K4980-R, 2" rear outlet, DELANY No. 451-VB flush valve (exposed); 18" wide, 11-3/4" projection from wall, with SMITH No. 635 floor-mounted carrier in wall. See Architectural Drawings for mounting heights. 2" waste, 1-1/2" vent, 3/4" cw.
P-4	LAVATORY: Enameled cast iron, oval, 19-1/4" x 16-1/4", self-rimming, KOHLER "Farmington" No. K-2905 (8" centers), No. K-7436-T rim with pop-up drain, No. K-7607 supplies with loosekey stops, No. K-9022 1-1/4" x 1-1/2" p-trap, 1-1/2" waste, 1-1/2" vent, 1/2" cw, 1/2" hw. Provide Armaflex insulation on hw, cw, and p-trap and drain line piping.
P-5	LAVATORY: Vitreous china, 5" high back, 20" x 18", KOHLER "Greenwich" No. K-2030, No. K7491 self-close faucet, No. K-7601 supplies with loosekey stops, No. K-7715 fixed-grid strainer, SMITH No. 700 floor-mounted carrier with concealed arm. No. 9022, 1-1/4" x 1-1/2" p-trap, 1-1/2" waste, 1-1/2" vent, 1/2" cw, 1/2" hw. Provide Armaflex insulation on hw, cw, and p-trap and drain line piping.
P-6	ELECTRIC WATER COOLER: Wall-mounted, surface, HAWS Model No. HMCARDA 26" overall height, 17-3/4" projection, s.s. top and cabinet. Capable of delivering 8.0 gph of 50-deg.F water with 90-deg.F EHT at 90-deg.F ambient. 1/2" HP, 115v-1ph-60cy. Furnish 1-1/4" x 1-1/2" p-trap, and cast brass loosekey stop. 1-1/2" waste, 1-1/2" vent, 1/2" cw.
P-7	SHOWER: UNIVERSAL-RUNDLE "Uni-shower" No. 6937, 36" x 36" x 84", acid-resisting white, fiberglass construction, two soap dishes, grab bar, chrome plated outlet drain, KOHLER No. K-7226-T shower trim with No. K-7371 showerhead. 2" p-trap, 2" waste, 1-1/2" vent, 1/2" cw, 1/2" hw.
P-8	SERVICE RECEPTOR: WILLIAMS Model No. SB-300-BP, 36" x 24" x 12" terrazzo, with mesh reinforcing, cast brass drain with chrome plated strainer. No. T-15-VB faucet up 42" on wall, No. I-35 hose and wall hook. 3" caulk outlet, 3" vented p-trap below floor, 2" vent, 1/2" cw, 1/2" hw.
P-9	SINK: ELKAY No. LR-1918, self-rimming, 18 gauge, type 302 stainless steel, 19" x 18" overall, single compartment (16" x 11-1/2" x 7-1/2"), 3 faucet holes with No. LK-232-S gooseneck faucet, No. LK-18 fixed grid strainer, tailpiece and C.P. p-trap. Furnish with loosekey stops below counter. 1-1/2" waste, 1-1/2" vent and 1/2" cw and hw.
NOTE: All automatic or self-closing valves for faucets shall be adjusted in accordance with manufacturer's instructions and supervised, as necessary, by equipment supplier's representative at the request of the Architect or Engineer.	
NOTE: All plumbing fixtures above shall have chrome plated finish on all exposed supply piping, valve stops, tailpieces, p-traps and escutcheons. Escutcheons shall be provided at all wall penetrations of supplies and waste lines.	
This Contractor shall furnish and install all fixtures indicated on this schedule where shown on Floor Plans, with all required connections. Each fixture branch riser shall be taken off from the top of branch main and an air chamber 12" long (minimum) shall be located above each fixture branch, undrained thus:	
	
All branches shall be valved and all valves shall be accessible with access provided by this Contractor. All valves shall have unions adjacent.	

MISC. PLUMBING EQUIPMENT SCHEDULE	
SYMBOL	DESCRIPTION
FCO	FLOOR CLEANOUT: (Inside building for applicable finish). Concrete, ceramic tile, or quarry tile - SMITH No. 4023-UG. Vinyl or asbestos vinyl tile - SMITH No. 4143-UG, recessed for tile. Carpet - SMITH No. 4023-U-G-F with carpet marker.
CO	CLEANOUT: (Outside or unfinished area) SMITH No. 4223-U, cast-iron top, vandalproof screws, galvanized, P.B. top in outside areas.
WCO	WALL CLEANOUT: SMITH No. 4472, X-H bronze plug with stainless steel face wall cover and vandalproof screw. Install where C.O. below fixture connection is required by Code and where shown on plans.
FD-1	FLOOR DRAIN: SMITH No. 2010-BU, 5" square top, 2" caulk outlet, with vented p-trap below floor.


GRILLE AND REGISTER SCHEDULE	
SYMBOL	DESCRIPTION
(D-1)	SUPPLY DIFFUSER: ANEMOSTAT Model EPLA, for nominal 24" wide ceiling panel in tee bar, lay-in ceiling, adjustable tabs, steel construction with off-white finish. Provide with balancing damper in branch duct. "Spine-in" type fitting.
(D-2)	SUPPLY DIFFUSER: ANEMOSTAT Model No. EA-1, for installation in fixed type ceiling, opposed blade damper, adjustable tabs, steel construction with enamel, off-white finish.
(RG-1)	RETURN AIR GRILLE: KRUEGER EGC-5, 1/2" x 1/2" x 1/2" core spacing, eggcrate type pattern, aluminum construction, for installation in lay-in type ceiling, paint enamel, off-white finish. Install sound trap hood above; see detail in Specifications.
(RG-2)	RETURN AIR GRILLE: KRUEGER EGC-5, 1/2" x 1/2" x 1/2" core spacing, eggcrate type pattern, aluminum construction, for installation in fixed-type ceiling, paint enamel, off-white finish. Install sound trap hood above; see detail in Specifications.
(ER-1)	EXHAUST REGISTER: KRUEGER EGC-5, 1/2" x 1/2" x 1/2" core spacing, eggcrate type pattern, opposed blade damper, aluminum construction, frame for installation in lay-in panel type ceiling, paint enamel, off-white finish.
(ER-2)	EXHAUST REGISTER: KRUEGER EGC-5, 1/2" x 1/2" x 1/2" core spacing, eggcrate type pattern, opposed blade damper, aluminum construction, frame for installation in fixed-type ceiling, paint enamel, off-white finish.
(FD)	FIRE DAMPER: TUTTLE & BAILEY "Slam Shut" type, U.L. listed, 21-deg.F rating at supply duct and 160-deg.F rating at return duct or return opening at exhaust duct. Coordinate to fit duct sizes.
DOOR LOUVER: KRUEGER 600A, with frame both sides of door, steel construction, prime coat finish.	
<ol style="list-style-type: none"> Contractor to provide additional T-bars as required for installation in lay-in type ceiling. Before the Contractor orders any grilles, registers or diffusers, he shall verify the ceiling construction in all areas of the project. If the grilles, registers or diffusers specified are not compatible with the type of ceiling construction, the Contractor shall order the proper type of grille, register or diffuser to be compatible with the ceiling. This shall be done at no extra cost to the Owner. The same applies to wall mounted grilles and registers. 	

MISC. PLUMBING EQUIPMENT SCHEDULE	
SYMBOL	DESCRIPTION
WHA-1	WATER HAMMER ARRESTOR: SMITH Model No. 5050, 1" size, "Hydrotrol" 18-8 stainless steel construction.
HWH-1	HOT WATER HEATER: A.O. SMITH, Model No. PGH-50, natural gas fired, 50-gallon storage in glass-lined tank, 55,000 BTUH sea level input, orificed for 5000 ft. elevation with 4" diameter METALBESTOS Type "B" vent. Tank shall be ASME for 150 psi W.P. with ASME combination temperature and pressure relief valve. Manufacturer's rating of 55.6 gph recovery at 100 deg.F rise. 1/2" gas connection, 3/4" cw inlet and 3/4" hw outlet, 20-1/4" x 64" to top of flue outlet. Set to deliver 120-deg.F hot water.
PRV-1	PRESSURE REGULATING VALVE: SPENCE No. D-34 for water service, 2" size, 30-80 psig spring range, flanged, 2 gpm at 15 psig drop. Set to deliver 65 psi to building.
RD-1	ROOF DRAIN: SMITH Fig. 1010-CRE, with underdeck clamp, extension, sump receiver and cast iron body, flashing collar, gravel stop and fortiflex dome. Size as shown on plans. Threaded or caulked outlet at Contractor's option.
DSN-1	DOWNSPOUT NOZZLE: SMITH Fig. 1770, cast bronze body and flange, same size as roof drain leader; see plans.
WH-1	WALL HYDRANT: SMITH, Figure 5609, bronze hydrant with P.B. face, freezeproof, with loose-key, 3/4" rose thread, with integral vacuum breaker, 3/4" inlet.
PG-1 & PG-2	PRESSURE GAUGE: THERICE 600 Series, 4-1/2" dial, with snubber and gauge cock HOKE No. 300. Pg-1 (0-150 psi range), Pg-2 (0-100 psi range).
HWH-2	HOT WATER HEATER: A.O. SMITH CORP. Model ELS-6, 6 gallon storage in glass-lined tank, 15-7/8" diameter x 18-3/4" height. Single element 1500 w, 120v-1ph-60cy high temperature cut-off. With ASME combined temperature and pressure relief valve. 3/4" cw inlet and 3/4" hw outlet. Set to deliver 110-deg.F hot water.
BWV-1	BACKWATER VALVE: SMITH Figure 7012, cast iron body with bronze backwater valve, for hub and spigot piping, 4" size.
BFP-1	BACKFLOW PREVENTER: HERSEY-SPARLING METER CO. Beeco Model 6-C 1" size with dual check valves with spring-loaded diaphragm - actuated differential pressure relief valve and 2 gate valve, gauges and test cocks.

MECHANICAL EQUIPMENT SCHEDULE									
SYMBOL		DESCRIPTION							
(AC-1) thru (AC-5)		HEATING AND COOLING UNIT: Complete factory fabricated assembly including outside air intake coil with screen, mixing box with dampers (RUSKII CD-50), 2" filter rack with renewable media and permanent filter frames, indirect heat exchanger cooling assembly (with fan, louvers, screens, filters, pump, piping, double walled welded basin, heat exchanger, etc.), neutral gas fired stainless steel furnace section complete with AOA approved controls (orificed for operation at 5000 ft. elevation), deep cell air washer section (complete with media, pump, piping, double walled welded basin), supply air fan section with centrifugal AMCA rated fan, adjustable V-belt drive, spring vibration isolator base assembly, fan motor, top horizon discharge arrangement; furnish complete pre-wired control system using proportioning devices (HONEYWELL Series 90). See Control Schematic Diagrams with Sequence of Operation for control functions. Each cabinet section of the unit shall be insulated (1-1/2" fiberglass interior rigid material). Each section shall have conveniently sized and positioned, hinged, double wall access doors with latches. Furnish steel roof base frame assembly. The manufacturer's field engineer shall supervise the installation, direct the electrical subcontractor's effort to assure proper wiring connections, start-up, test units and submit typed report, with features equal to or better than noted in this Specification. See details for further information. Electric power shall be 240v-1ph-60cy. The indirect cooler shall cool from 46-deg.F db to 38-deg.F db, the air washer from 86-deg. db and 61-deg.F wb to 64-deg.F db. The unit shall be completely waterproofed and factory leak tested. Furnish all motor starters, controllers, relays, fusible disconnects, etc. Provide (2) years complete warranty and (2) years of water treatment (chemical feeder and bleed control). PACE, SIB or AIR and REFRIGERATION units will be approved. Provide all specified features. Each unit shall have volume control capability furnished which shall include a discharge volume damper and proportional damper motor and linkage with remote control dial (with set position for low volume and high volume air flow). The equipment supplier will furnish the controls subcontractor work effort, as part of this subcontract. No switches or control devices shall be exposed to the outdoor weather, furnish weatherproof enclosed panel with hinged and latched door.							
SYMBOL		H1 SPEED *CFM AT *FPM AT * ESP	SUPPLY FAN HP (MIN.) (240v-1ph)	INDIRECT FAN HP (120v-1ph)	(FURNACE) BTUH SEA LEVEL INPUT RATING				
(AC-1)		3000 @ .55"	3	1/2	150,000				
(AC-2)		2800 @ .45"	3	1/2	150,000				
(AC-3)		3600 @ .55"	3	1/2	200,000				
(AC-4)		3750 @ .45"	3	1/2	200,000				
(AC-5)		3000 @ .55"	3	1/2	150,000				
* Actual CFM at 5300 ft. elevation.									
SYMBOL		WEICHT	TWE	(SUPPLY FAN @ H1-SPD) INTERLOCK WITH		WATER PUMPS (HP) DIRECT INDIRECT			
(AC-1)		6500	1	(EF-8)		1/8		1/2	
(AC-2)		6000	2	(EF-9)		1/3		1/2	
(AC-3)		6500	3	(EF-10)		1/8		1/2	
(AC-4)		6500	4	(EF-11)		1/8		1/2	
(AC-5)		6500	5	(EF-12) (EF-7)		1/8		1/2	
(EF-1) thru (EF-11)		EXHAUST FAN: Weatherproof low profile fan for roof mounting on curb, aluminum construction, furnish with unit mounted disconnect, anti-backdraft damper, birdscreen, GREENIECK Series, 120v-1ph-60cy, adjustable V-belt drive, hinged hood, AMCA rated.							
SYMBOL		MODEL	CFM @ *TSP	(MIN.) HP	(APPROX) RPM	EXHAUST DUTY			
(EF-1)		LB-10	350 @ .375"	1/4	900	TOILET (102 & 103)			
(EF-2)		LB-30-G	150 @ .375"	1/30	1303	ARMORY (11)			
(EF-3)		LB-10	400 @ .25"	1/4	900	OFFICE'S LOUNGE (123)			
(EF-4)		LB-14	950 @ .375"	1/4	810	TLT. - JAN (126 & 127 & 128)			
(EF-5)		LB-10	550 @ .25"	1/4	900	STAFF CONFERENCE (115)			
(EF-6)		LB-14	1000 @ .25"	1/4	725	BRIEFING ROOM (136)			
(EF-7)		LB-14	1000 @ .25"	1/4	765	BRIEFING ROOM (136)			
(EF-8)		LB-14	1400 @ .25"	1/4	900	RELIEF FAN (AC-1)			
(EF-9)		LB-14	1400 @ .25"	1/4	900	RELIEF FAN (AC-2)			
(EF-10)		LB-14	1400 @ .25"	1/4	900	RELIEF FAN (AC-3)			
(EF-11)		LB-14	1400 @ .25"	1/4	900	RELIEF FAN (AC-4)			
* Exhaust Fan is to be direct drive with explosion-proof motor, non-sparking fan wheel, vented out of air stream, curb mounted similar to detail in project specification. Furnish with unit mounted disconnect, birdscreen, anti-backdraft damper, AMCA rated, 120v-1ph-60cy.									
(EWH)		ELECTRIC UNIT HEATER: Horizontal discharge, with all safety cut-outs, built-in contactors if required, 5 year heating element guarantee. Unit shall have adjustable discharge louvers, totally enclosed motor, self-contained thermostat, (complete package control system) and complete mounting bracket assembly. Nos. are CHROMOLOX, U.L. approved.							
SYMBOL		MODEL	WATTS	VOLTAGE	CFM	FAN HP			
EWH		LUN-02	2600	240v-1ph-60cy	310	1/50			
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ENGINEER

VALLEY WEST SIDE
 POLICE COMMUNITY SUBSTATION
 ALBUQUERQUE, NEW MEXICO

PROJECT NO.

8406

DATE

APRIL, 1965

REVISION

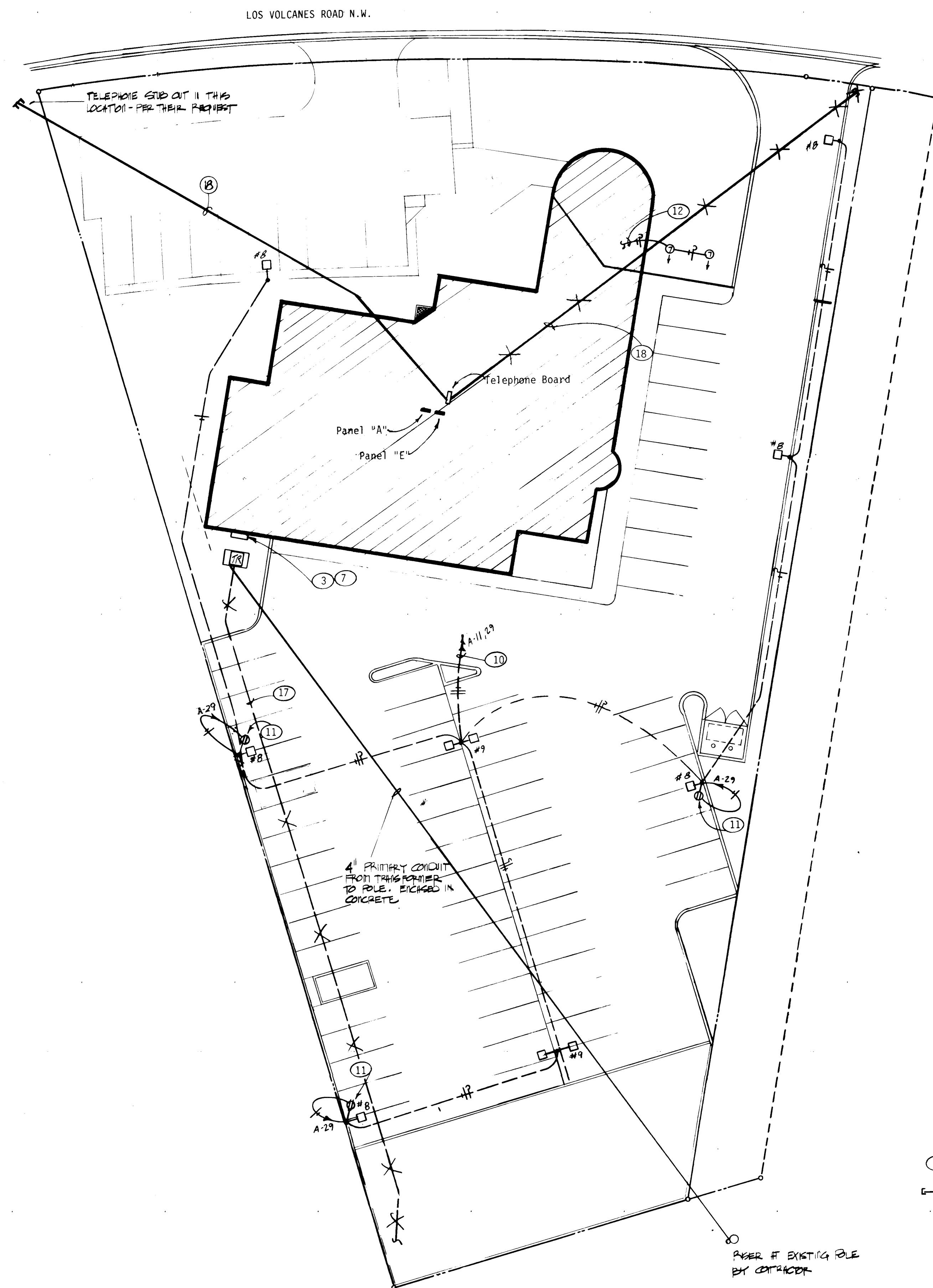
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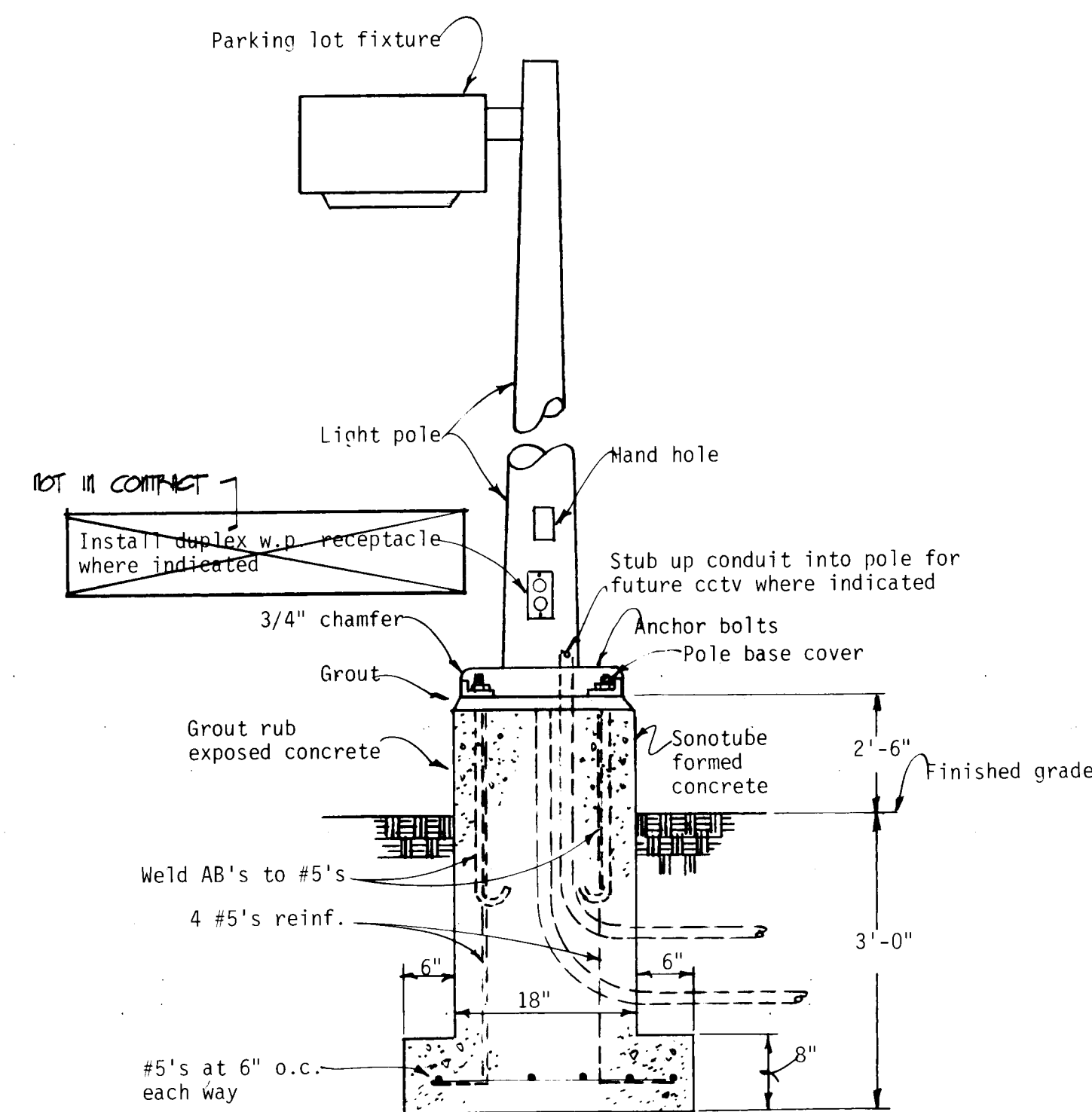
M-3

SHEET NO.



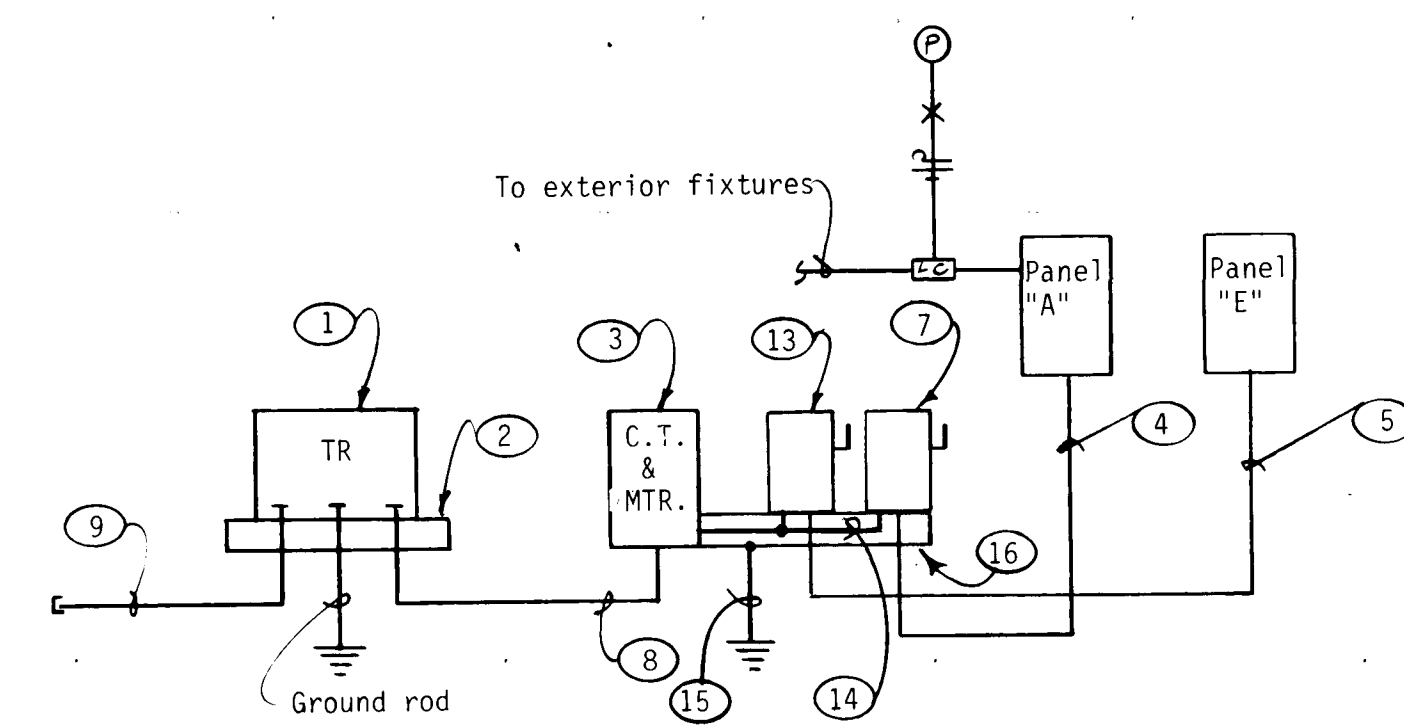
ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"



PARKING LOT FIXTURE DETAIL

NOT TO SCALE



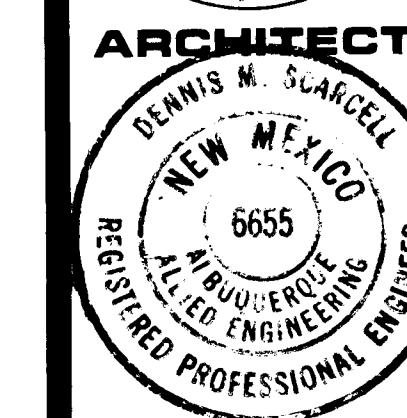
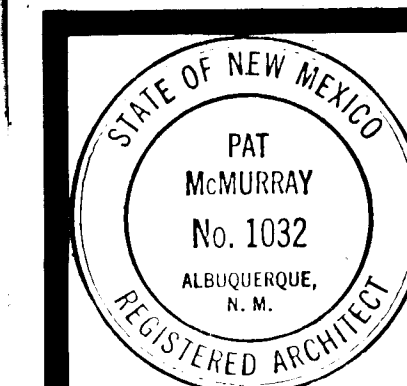
POWER RISER DIAGRAM

Service: 120/240v, 1Ø, 3w
Connected Load: 100 KVA
Estimated Demand: 65 KVA

KEYED NOTES:

- ① Pad mounted transformer by Public Service Company of New Mexico.
- ② Transformer pad per P.S.C.N.M. Standard Drawing #DS-7-16.1.
- ③ C.T. and Metering enclosure per P.S.C.N.M. Standard Drawings #DS-19-15.0 and #DS-19-17.0.
- ④ 3-500 MCM THW Cu. and 1-1/0 THW Cu. green ground in 3 1/2" conduit.
- ⑤ 3-#4 THW Cu. and 1 #8 THW Cu. green ground in 1 1/4" conduit.
- ⑥ #2 Cu. ground. Bond to C.W. entrance and grounding electrode per NEC requirements.
- ⑦ 400A-2P +SN fusible safety switch. Fuse at 400A with "Bussman" 10-peak, current-limiting, Class RK-1 fuses.
- ⑧ 2 runs of 3-4/0 THW Cu. and 1 #1/0 THW Cu. green ground in 2 1/2" conduit.
- ⑨ Provide 4" conduit stub-out for P.S.C.N.M. primary cable entrance.
- ⑩ Run lighting circuit only thru lighting contactor.
- ⑪ Install duplex weatherproof receptacle in pole. See Pole Detail.
- ⑫ See Sheet E1 for continuation.
- ⑬ 100A-2P +SN fusible safety switch. Fuse at 70A with Bussman 10-peak, current-limiting, Class RK-1 fuses.
- ⑭ 2 runs of 6 #4/0 THW Cu.
- ⑮ 1 #1/0 THW Cu. in 3/4" conduit. Connect to C.W. service and driven ground rod.
- ⑯ Raintight gutter.
- ⑰ Primary Service by PSCNM.
- ⑱ 3" PVC with pull wire for telephone, minimum bury 36", verify exact location with Telephone Company.

03-85



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**VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO**



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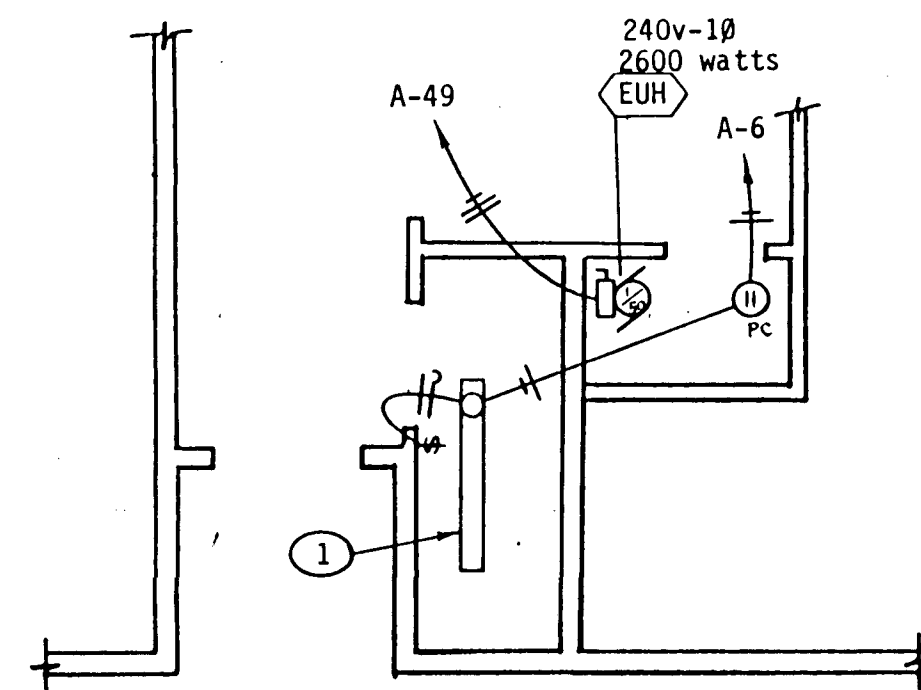
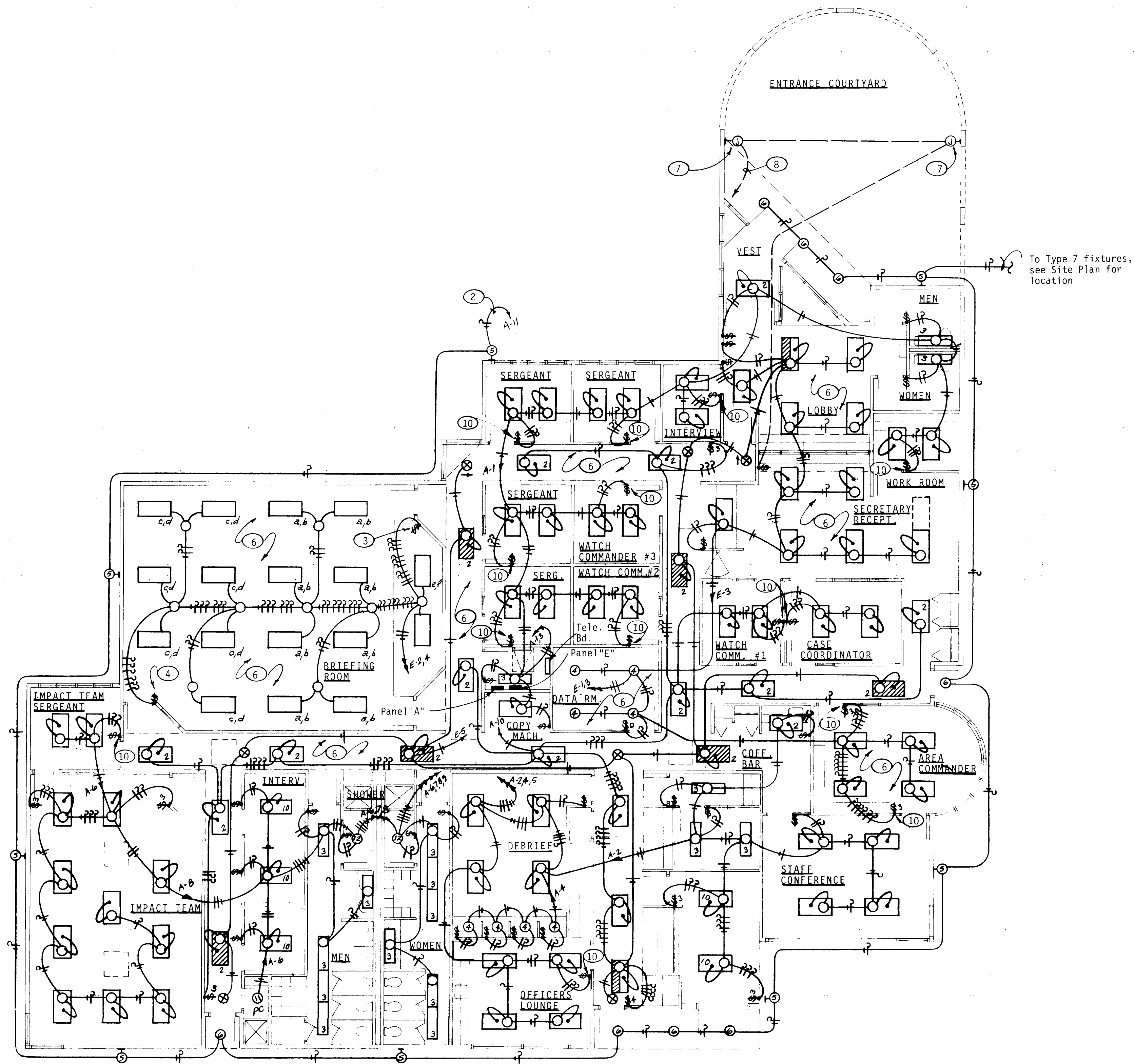
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**E-1
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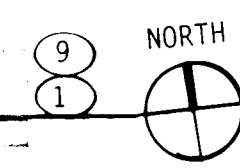
REVISED ELECTRICAL PLAN

MECH. RM. #128

N.T.S. 8-12-85
① 4' utility 2 lamp fluorescent strip fixture, coordinate exact location with mechanical.

FLOOR PLAN - LIGHTING

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



NOTES:

- ① All fixtures this plan to be Type #1 unless noted otherwise.
- ② Run thru Photo Cell.
- ③ 6 ganged switches, 2-3 way (c & d) and 4 single pole switches (a, b, e & f). Connect all inside lamps on one circuit and all outside lamps on one circuit.
- ④ 2-3 way switches, switch inside and outside lamps separately.
- ⑤ See Architects Reflected Ceiling Plan for exact location of fixtures.
- ⑥ Lights in this area are on emergency circuit.
- ⑦ Weatherproof j-box mounted flush for future lighting fixtures. Verify exact location with Architect.
- ⑧ 1/2" conduit with pull wire to Panel "A".
- ⑨ Coordinate actual location of light fixtures with Architectural Ceiling Plan Sheet A14.
- ⑩ Two switches, switch inside and outside lamps separately.

03-85

STATE OF NEW MEXICO
PAT. McMURRAY
No. 1032
ALBUQUERQUE, N.M.
REGISTERED ARCHITECT

ARCHITECT

STATE OF NEW MEXICO
DENNIS M. SCARCELLI
No. 5685
ALBUQUERQUE, N.M.
REGISTERED PROFESSIONAL ENGINEER

ENGINEER

**VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
ALBUQUERQUE, NEW MEXICO**



PROJECT NO.

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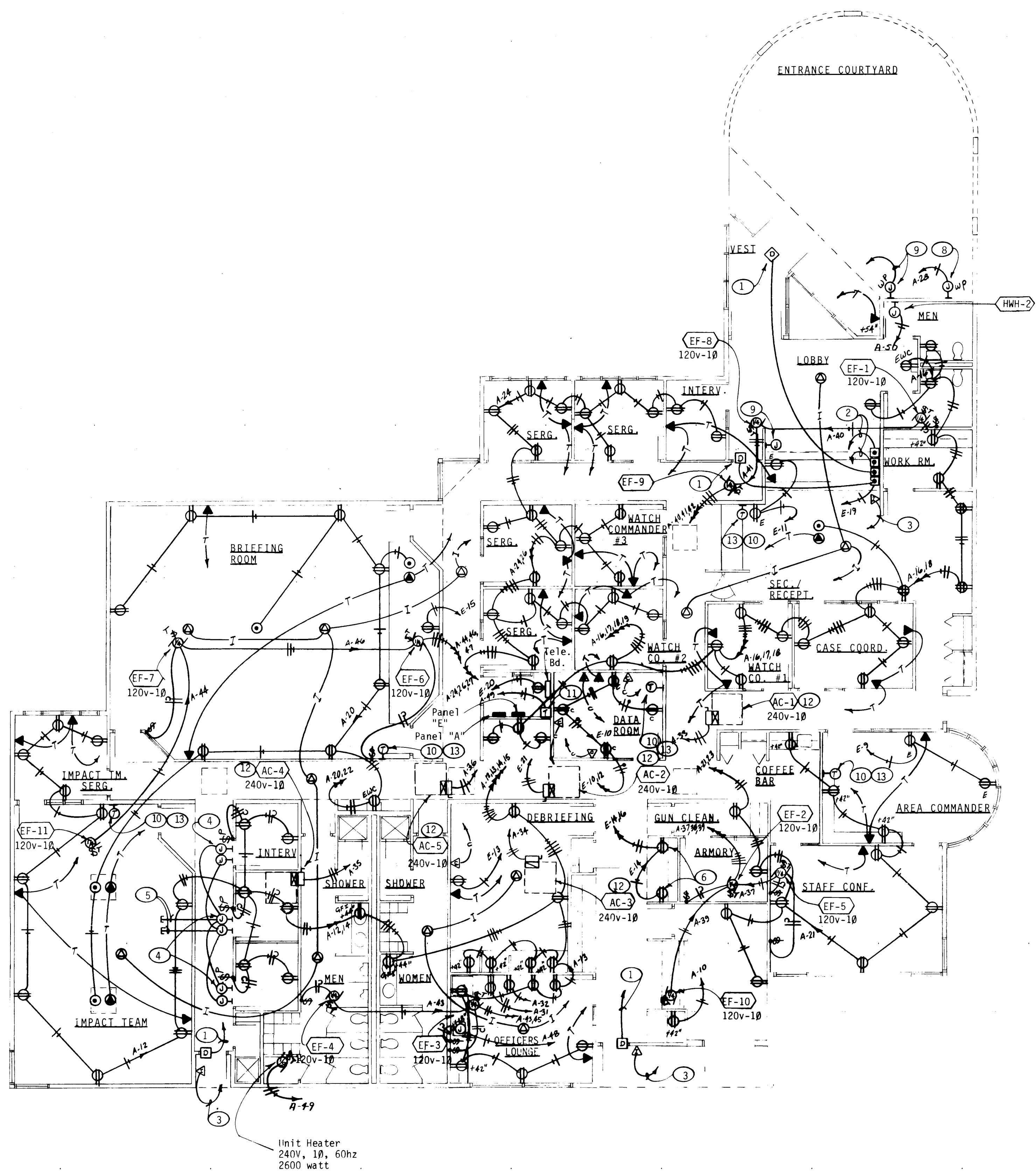
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**E-2
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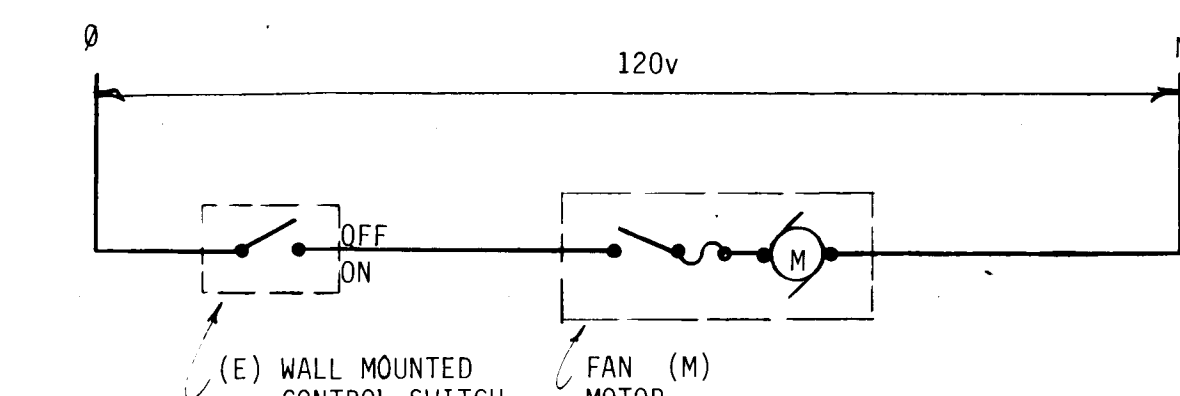
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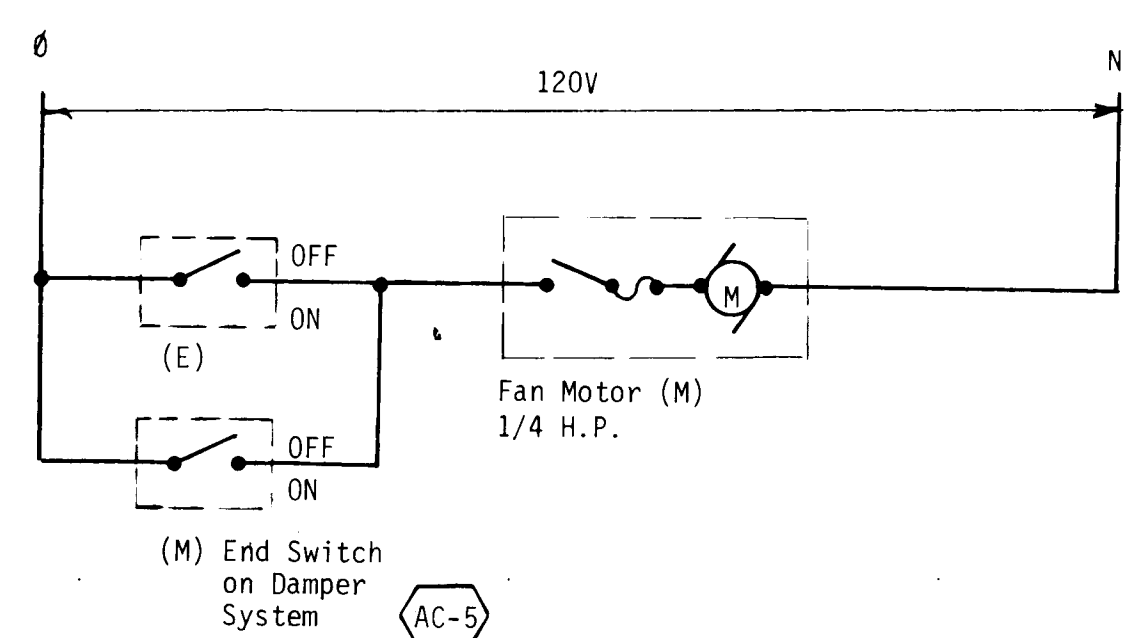


FLOOR PLAN - POWER & SPECIAL SYSTEMS

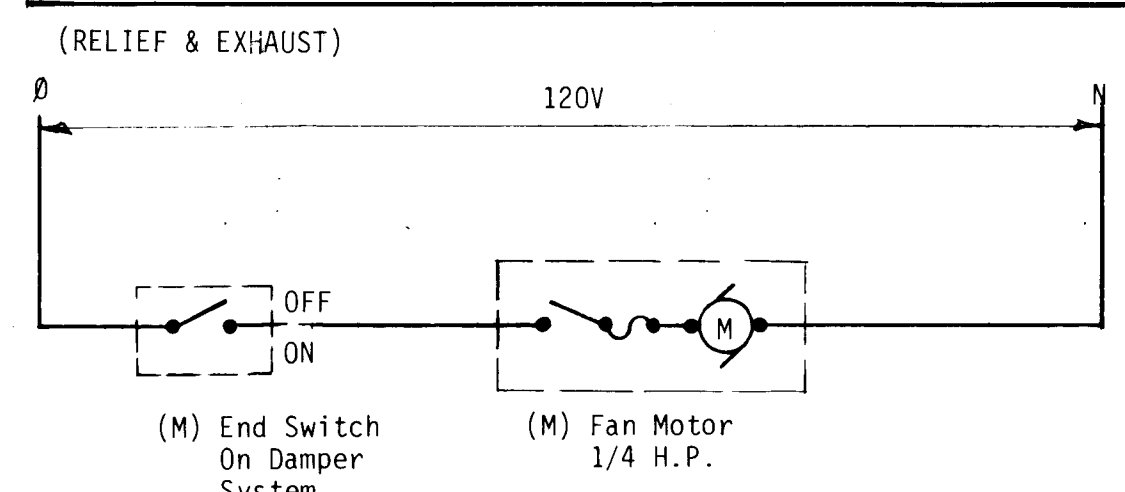
SCALE: 1/8" = 1'-0"



TYPICAL FOR EXHAUST FANS (EF-1) 1/4 HP, (EF-2) 1/30HP, (EF-3) 1/4HP, (EF-4) 1/4HP, (EF-5) 1/4HP



EXHAUST FANS (EF-6) & (EF-7)



EXHAUST FANS (EF-8) (EF-11)

CONTROL DIAGRAMS

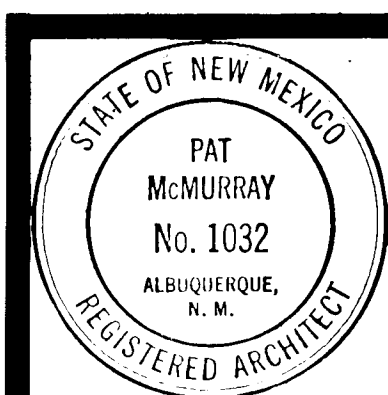
(M) DESIGNATES ITEMS FURNISHED BY MECHANICAL, INSTALLED AND CONNECTED BY ELECTRICAL

NOTES:

- Make connections to magnetic door holder, verify exact requirements.
- Make connections for magnetic door holder at rear entrances, verify exact requirements.
- Wiring for intercom between rear entrances and receptionist desk. Verify requirements.
- Install two j-boxes above ceiling for future CCTV.
- Stub conduits into ceiling space at detective area.
- Install duplex outlet (red face emergency type) for radio equipment. Verify location with owner's representative.
- 4' X 8" X 3/4" Fire Retardant Plywood Telephone Terminal Board. Provide 1 #6 bare Cu. ground wire in 3/4" conduit to nearest C.W. Pipe.
- Install weatherproof j-box for sign, verify exact location with Architect.
- Install flush weatherproof j-box for future CCTV system. Verify location with owner's representative, extend 1" conduit to cabinet in Electrical Room.
- Thermostat/control Station for heating and cooling unit indicated & associated Exh. Fan(s). Electrical Contractor to make all connections and provide all wiring and conduit for all Mechanical controls. Electrical Contractor to coordinate carefully with Mechanical Contractor and equipment supplier to provide all electrical work required. See Mechanical plans and specifications for schematic control diagrams and additional requirements.
- Electrical Contractor to provide and install a total of 5-7 day time clocks (24 hour plus 12 hour spring reserve) for heating and cooling units (AC-3) thru (AC-5). See Mechanical Plans for Schematic Control Drawings.
- Heating and cooling unit on roof, 3 H.P. supply fan, 240V-1Ø, 1/2H.P., Return Fan, 120V-1Ø, and two water pumps 1/8H.P. + 1/2H.P., 120V-1Ø. Unit furnished with starter, controller, relays, Fusible Disconnect Switch, etc.. Make connections as required.
- Thermostat location means location of complete controls. Controls include: heating thermostat, cooling thermostat, air volume selector, mode selection switch, and nite thermostat. See Control Diagrams for more complete explanation.
- The Equipment Supplier for units (AC-3) thru (AC-5) shall furnish interlock wiring diagrams to the Electrical Sub Contractor showing all required external wiring connecting the control devices. See Sheet M-2 for Schematic Control Diagram. All electrical connections to be made according to the suppliers instructions.

GENERAL NOTES:

- Contractor to install intercom/sound system and make connections as required. Verify location with Architect. "Boulton" #PR1506 with microphone, transformer #R1050, speaker #3902-8 and telephone isolation network #R1060 or approved equal. The entire system to be adjusted to provide maximum output without feed back. All accessories necessary for interconnecting intercom system to telephone system are to be included.



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VALLEY WEST SIDE
POLICE COMMUNITY SUBSTATION
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PROJECT NO.

8406

DATE

APRIL, 1965

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E-3

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PANEL "A"			
120/240v, 1Ø, 3w, SN. 400 Amp M.L.O. "Westinghouse" Type 8108 Surface Mounted. (2 sections)			
CIRCUIT	BREAKER	WIRE	LOAD
1 thru 11	20A-1P	#12	Lighting
12 thru 30	20A-1P	#12	Receptacles
32	30A-1P	#10	Micro-wave
31, 33 thru 36	50A-2P	#8	Mechanical
37 thru 47, 49, 50	20A-1P	#12	Mechanical
49	20A-2P	#12	Mechanical
48	40A-1P	#8	Garbage disposal
51 thru 56	20A-1P	—	Spare
57 thru 63	1P	—	Spaces

PANEL "E"			
120/240v, 1Ø, 3w, SN. 100 Amp M.L.O. "Westinghouse" Type 8108 Surface Mounted.			
CIRCUIT	BREAKER	WIRE	LOAD
1 thru 5	20A-1P	#12	Lighting
9 thru 16	20A-1P	#12	Receptacles
6, 7, 8, 17, 18	20A-1P	—	Spare
19	20A-1P	#12	Door holders
20	20A-1P	#12	Telephone
21	50A-2P	#8	Mechanical
22 thru 42	1P	—	Spaces

LIGHTING BUDGET	
Total Watts of Lighting + Square Feet = Watts per Square Foot	20,000 + 7400 = 2.7 Watts per Square Foot.

The Design Conforms to New Mexico Electrical Code, Article 290, Energy Conservation and Lighting Calculations per Table #1.

D. McMurphy
PE #6655

SHORT CIRCUIT STUDY		
Based on 75 KVA Transformer at 2.5% Impedance, 120/240v, 1Ø, 3w.		
LOCATION	MAXIMUM S.C. AMPS	MINIMUM AIC OR BRACING
Transformer	12,500	—
Main switches	12,500	50,000
Panel "A"	8,000	10,000 (min.)
Panel "E"	3,000	10,000 (min.)

NMEC ARTICLE 290 ENERGY CONSERVATION TABLE			
REFLECTANCES: CEILING 80%, WALLS 50%, FLOOR 20%			
ZONAL CAVITY METHOD			
SPACE	R.C.R.	COEF. OF UTIL.	FOOTCANDLES
Sergeant	5.5	.50	80
Sergeant	5.5	.50	80
Interview	6.9	.45	114
Sergeant	5.5	.50	80
Watch Commander	5.5	.50	80
Sergeant	5.5	.50	80
Watch Commander	5.5	.50	80
Briefing Room	1.6	.67	70
Impact Team	5.2	.51	74
Interview	7.3	.44	125
Interview	7.3	.44	125
Interview	7.3	.44	125
Officers Lounge	3.7	.57	82
Debriefing	3.3	.58	66
Misc. Evidence Holding	4.7	.53	58
Staff Conference	3.2	.59	62
Armory	6.6	.47	53
Area Commander	3.6	.58	79
Case Coordinator	4.7	.53	60
Watch Commander	5.5	.50	80
Work Room	6.6	.46	104

FIXTURE SCHEDULE			
NO.	DESCRIPTION	MOUNTING	LAMPS
1	"Williams" #5224-RKA-120v	Recessed ceiling	4-F40/CW/WM
2	"Williams" #5222-RKA-120v	Recessed ceiling	2-F40/CW/WM
3	"Alko" #4242-P-120v	Recessed ceiling	2-F40/CW/WM
4	"Prescolite" #1225-B462	Recessed ceiling	1-200W/IF
5	"Kenall" #5760/9057	Surface wall	1-70W/HPS
6	"Prescolite" #90HS-100FE-M8	Recessed ceiling	1-100W/HPS
7	"Keene" #CTA-500	Flush concrete base	1-300W/T3 quartz
8	"Klm" #1A/EXG501/175MH120/DBE/PSSK-16A/DBE	Pole (to Detail)	1-175W/MH
9	"Klm" #3B/EXG501/175MH120/DBE/PSSK-16L/DBE	Pole (to Detail)	2-175W/MH
10	"Morris Kurtzon" #J2440-4RS-1-120v	Recessed ceiling	4-F40/CW/WM
11	Porcelain Receptacle with pull chain	Surface ceiling	1-150W/IF
12	"Prescolite" #TL-30-PEX-SA	Recessed ceiling	1-75W/IF
⊗	"Devine" #DVGC80-50-* (self powered)	Surface ceiling	As required

* Indicates Universal Arrows.

SYMBOL - LEGEND	
SYMBOL	DESCRIPTION
	Ceiling outlet and fixture.
	Bracket outlet and fixture.
	Fluorescent outlet and fixture.
	Fluorescent outlet and fixture used as night light.
	Lay-in fluorescent fixture with outlet on structure flexible conduit to fixture.
	Ceiling fixture with pull chain.
	Thermal Switch.
	Single pole wall switch, up 48".
	Three way wall switch, up 48".
	Four way wall switch, up 48".
	"Lutron" #N-2000 dimmer, up 48" or as noted.
	Wall switch with pilot light "Hubbell" #1281, #1283 3 way, up 48".
	Weatherproof duplex convenience outlet, (in cast box), stubbed up on rigid conduit from floor, (up 6" or as noted).
	Duplex flush floor outlet (or as noted) "Hubbell" #8-2536 with S-3925 and duplex receptacle.
	Junction box flush in wall-height as noted or required with connection to equipment.
	Duplex convenience outlet, up 18" or as noted.
	Cast weatherproof junction box stubbed up on rigid conduit from floor, (up 6" or as noted).
	Weatherproof duplex convenience outlet, up 12" or as noted.
	Flush floor 2 Gang J.B. "Hubbell" #8-4233 with S-2425 and #S-3925 covers; #5262 receptacle and #S-3084 2 gang carpet flange.
	Double duplex convenience outlet.
	Duplex convenience outlet for computer, 50A, 250v, 3w, range type outlet-flush, up 12".
	Thermostat and/or control devices, see Mechanical for exact heights and actual control.
	Lighting control contactor (size as indicated) controlled by 4", with "On-Off-Automatic" switch on case. (Nema-I case).
	Photo cell lighting controller: "Precision" #T-15 or #T-18 mounted on 1/2" rigid conduit stubbed up 12" above roof.
	Telephone outlet, up 18" or as noted.
	Flush floor telephone outlet, "Hubbell" #2532.
	Speaker outlet in ceiling.
	Buzzer, up 7'-8" to center.
	Speaker outlet, (same as telephone, or as noted), up 7'-8" to center or as noted.
	Pushbutton station, up 48" or as noted.
	Transformer as noted.
	Bell, up 7'-8" (to center).
	Intercom station.
	Computer outlet.
	Special cabinet (telephone type or as noted, 18" X 24" X 4" flush-or as noted).
	C.B. Panelboard.
	Motor.
	Motor controller.
	Safety switch.
	Conduit run in walls or ceiling.
	Conduit run in walls or under floor.
	Home run.
	Telephone conduit, minimum 3/4" with pull wire.
	1" conduit with pull wire to Telephone Terminal Cabinet.
	Intercom system conduit and wire.
	Tic marks represent neutral, hot, switch and ground leg conductors respectively.
	1" computer system conduit with pull wire, to Telephone Board.
	DENOTES LOCKNETICS SECURITY SYSTEM INCLUDING FOUR OPENINGS SECURED WITH LOCKNETICS 268 SERIES POWERLOCKS CONTROLLED WITH 4 GANG STATION CONTROL PANEL. SEE FINISH HARDWARE SCHEDULE HW-22 FOR DESCRIPTION OF SPECIFIED SYSTEM OPERATION. SECTION 8700.
	Isolated ground duplex receptacle for computer terminal power, orange face, "Hubbell" #IG-5362, up 18" or as noted.
	Duplex convenience outlet on emergency circuit, red face, up 18" or as noted.

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ARCHITECT

ENGINEER

VALLEY WEST SIDE

POLICE COMMUNITY SUBSTATION

ALBUQUERQUE, NEW MEXICO

PROJECT NO.

8406

DATE

APRIL, 1985

REVISION

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E-4

SHEET NO.