

TRANSIT SYSTEM MAINTENANCE TERMINAL PHASE ONE

FOR THE CITY OF ALBUQUERQUE
ALBUQUERQUE, NEW MEXICO

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26 172200/134

SEP 29 1981

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 **MICHAEL DEL MASTRO**
ARCHITECT • A.I.A.
600 2ND SW • ALBUQUERQUE, N.M. 87106

GENERAL NOTES

- EXISTING CURB AND GUTTER WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, CUT BACK EXISTING PAVEMENT TO A NEAT STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST JOINT.
- SUBGRADE ON WHICH CURB AND GUTTER IS TO BE PLACED SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY, AS DETERMINED BY ASTM D 1557, METHOD A, TO A DEPTH OF SIX (6) INCHES.
- CONTRACTION JOINTS SHALL BE PLACED IN CURB AND GUTTER AT SIX (6) FEET ON CENTER. 1/2" PREFORMED EXPANSION JOINTS SHALL BE PROVIDED AT FORTY-FOUR FEET (48') ON CENTER MAXIMUM, AT CURB RETURNS AND AT EACH SIDE OF DRIVEWAYS. THIS NOTE NOT APPLICABLE TO TYPE A CURB & GUTTER.
- SIDEWALKS SHALL BE FOUR INCHES (4") THICK WITH A TRANSVERSE SLOPE OF 1/4" PER FOOT. 1/2" PREFORMED EXPANSION JOINTS SHALL BE PROVIDED AT TWENTY-FOUR FEET (24') ON CENTER MAXIMUM, AND WHERE SIDEWALKS ABUT EXISTING WALKS, BUILDINGS, DRIVEWAYS OR OTHER FIXED CONSTRUCTION. CONTRACTION JOINTS SHALL BE PROVIDED AT SAME SPACING AND LOCATION AS JOINTS IN CURB & GUTTER.
- CONSTRUCTION SIGNING AND BARRICADES FOR WORK IN PUBLIC STREETS SHALL BE IN ACCORDANCE WITH THE NEW MEXICO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION.
- A SMOOTH TRANSITION SHALL BE PROVIDED AT ALL CHANGES IN GRADE ON ASPHALT PAVED SURFACES, NO ABRUPT CHANGES IN GRADE WILL BE ALLOWED.
- WHERE REMOVALS ARE MADE IN EXISTING PAVED AREAS THAT ARE NOT TO BE REMOVED UNDER THIS CONTRACT, SUCH AREAS SHALL BE REPAIRED TO MATCH EXISTING PAVEMENT.

STANDARD DETAILS

THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAILS FOR CITY-WIDE UTILITIES AND CASH PAVING NO. 29 ARE INCORPORATED BY REFERENCE, THE SAME AS IF FULLY SHOWN HEREON AND SHALL GOVERN APPLICABLE CONSTRUCTION WORK TO WHICH THEY APPLY:

COPIES OF THESE DETAILS MAY BE OBTAINED FROM THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION.

STANDARD DETAIL TITLE

STORM SEWER

- CATCH BASIN SINGLE "C" K-4
- CATCH BASIN LOCATION K-7
- CATCH BASIN FRAME & GRATING K-8

PAVING

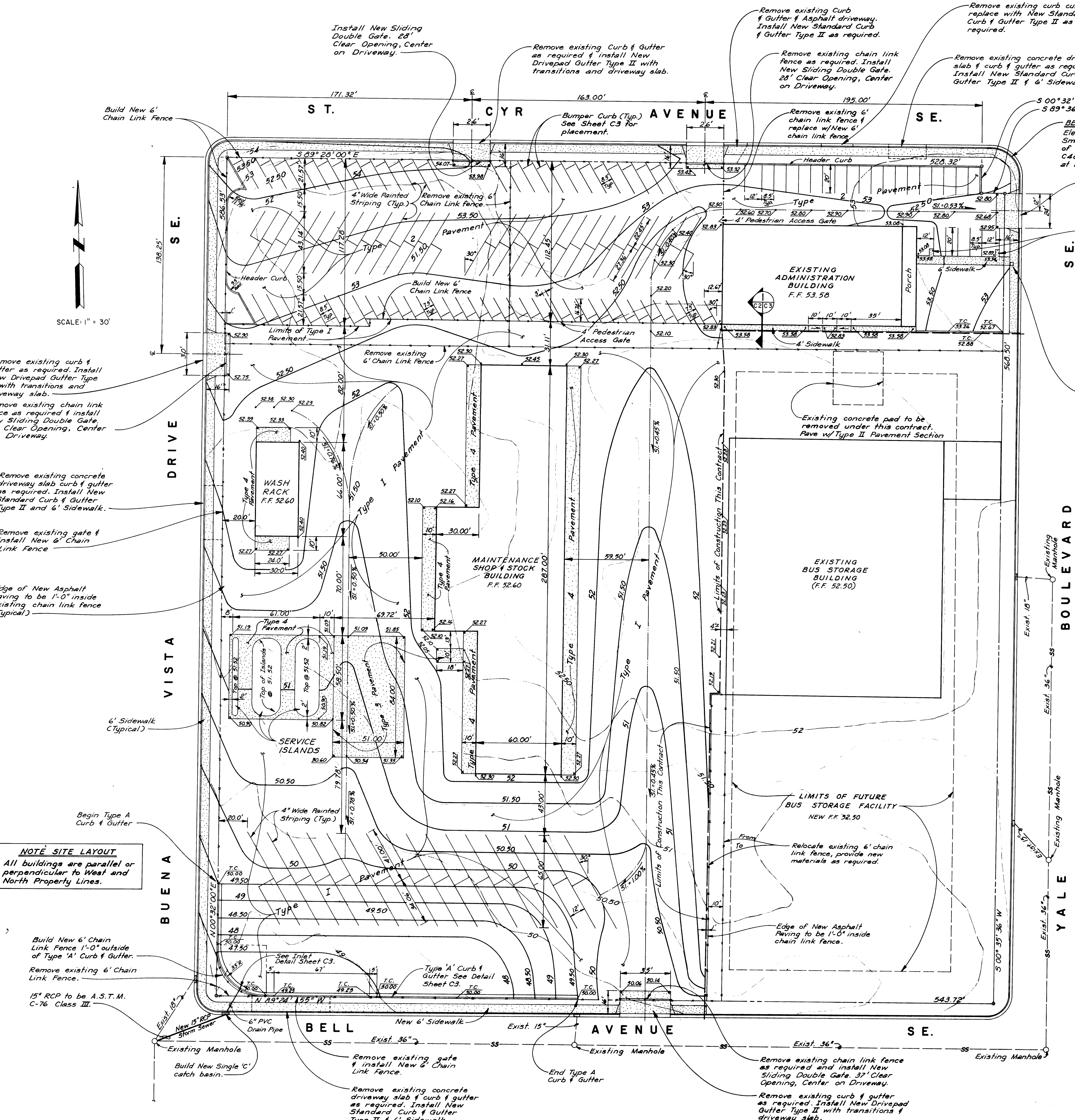
- STANDARD CURB & GUTTER TYPE II P-8
- GUTTER AT DRIVEPAD TYPE II P-8
- HEADER CURB P-8
- SIDEWALK DETAILS P-13
- CONCRETE JOINTS P-23
- CITY-WIDE PAVEMENT CUTS FOR ALL UTILITIES P-25

LEGAL DESCRIPTION: TRACTS A & B OF M. ROBERT KLEBANOFF, REMAINDER OF TRACT B, BUENA VISTA HEIGHTS ADDITION
ADDRESS: 601 & 606 YALE BOULEVARD, SE
OCCUPANCY & AREA: H-4 SHOP BUILDING = 20,340 S.F.
FARREBOX VAULT BUILDING = 106 S.F.
ATTENDANTS' BUILDING = 43 S.F.
TYPE CONSTRUCTION: SHOP BUILDING
FARREBOX VAULT BUILDING
ATTENDANTS' BUILDING
SEE SHEET C-4 FOR PARKING AND LANDSCAPE REQUIREMENTS.

LEGEND

- 52 Existing Ground Elevation Contours
- 52 New Finish Grade Contours
- 52.30 New Finish Grade Spot Elevations
- New Concrete Slab This Contract
- New Chain Link Fence
- Existing Chain Link Fence
- Existing Curb & Gutter

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NOTE SITE LAYOUT
All buildings are parallel or perpendicular to West and North Property Lines.

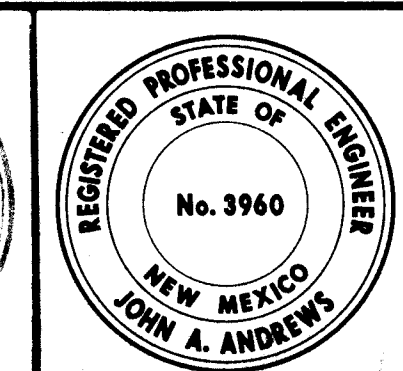
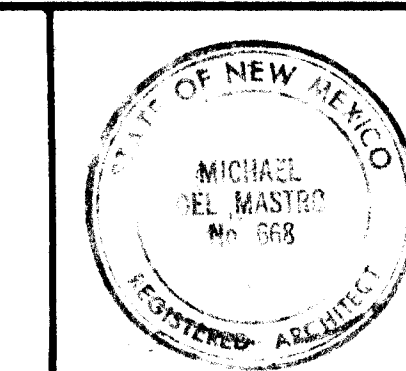
Build New 6' Chain Link Fence 1'-0" outside of Type 'A' Curb & Gutter.
Remove existing 6' Chain Link Fence.
15" RCP to be A.S.T.M. C-76 Class III.

Remove existing gate & install New 6' Chain Link Fence.
Remove existing concrete driveway slab & curb & gutter as required. Install New Standard Curb & Gutter Type II & 6' Sidewalk.

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ALBUQUERQUE, NEW MEXICO

TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE

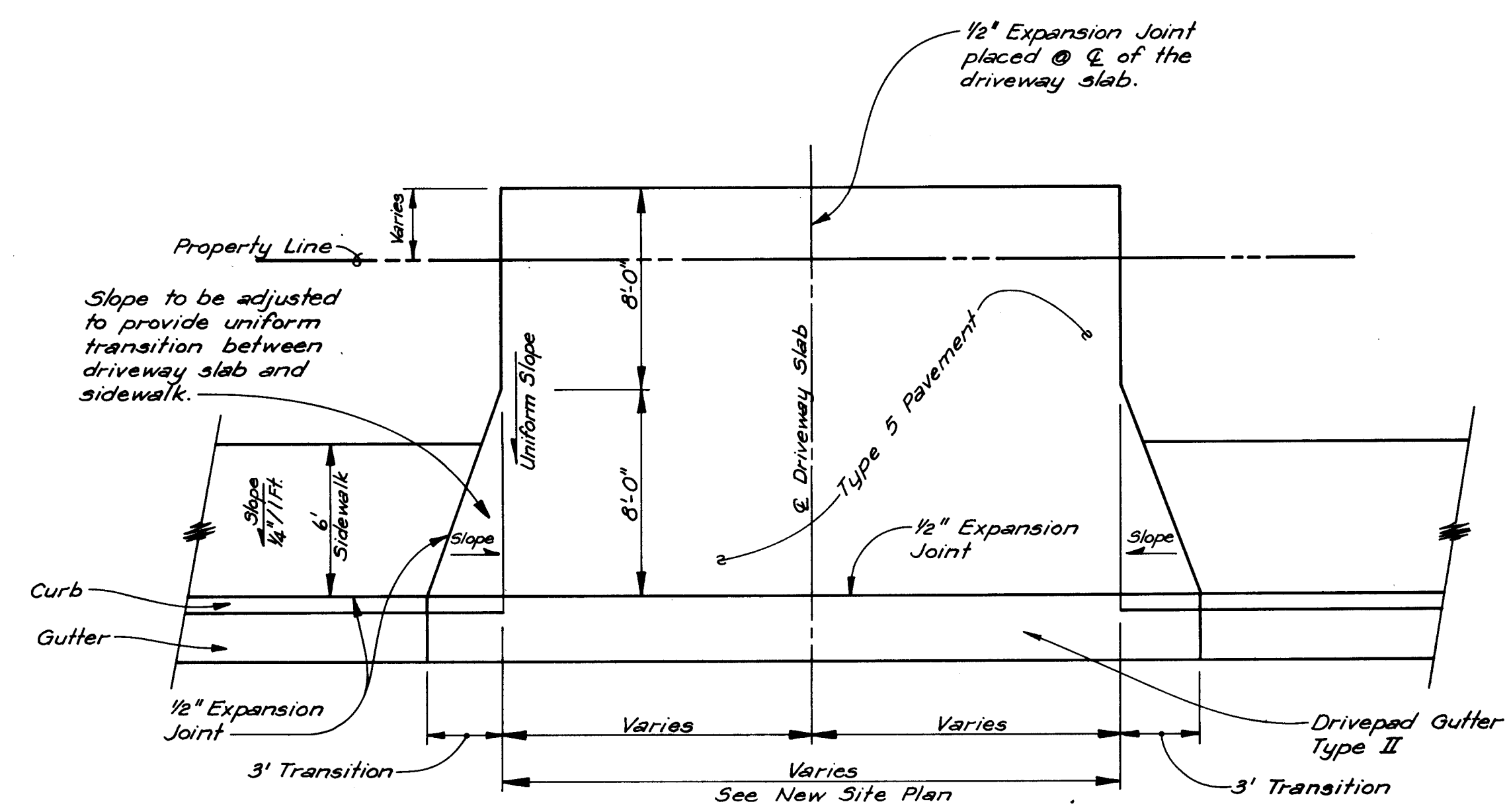
ALBUQUERQUE, NEW MEXICO



DRAWN BY
J.A.
CHECKED BY
J.A. R.F.
DATE
2-29-80
JOB NO.
7901

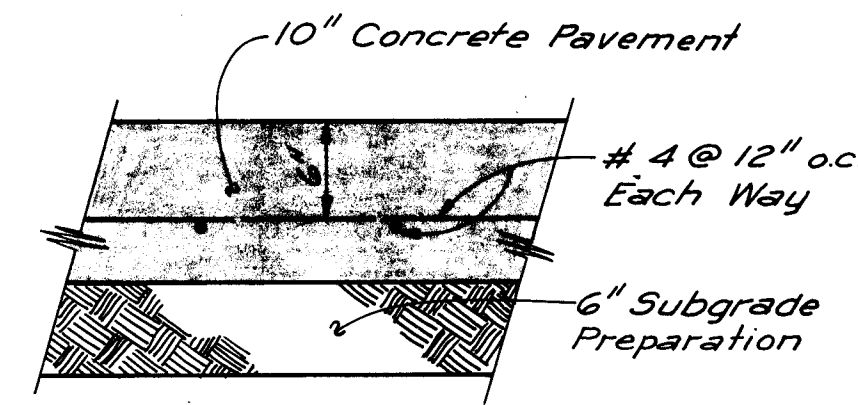
TITLE
NEW SITE PLAN
REVISIONS

SHEET NO.
C-2
of 4

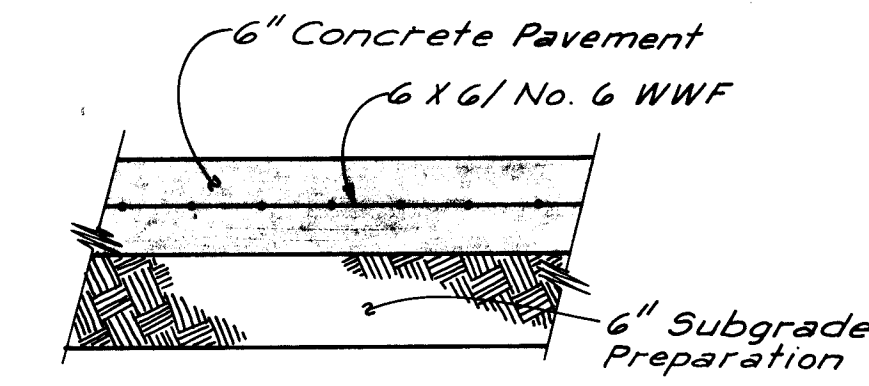


PLAN

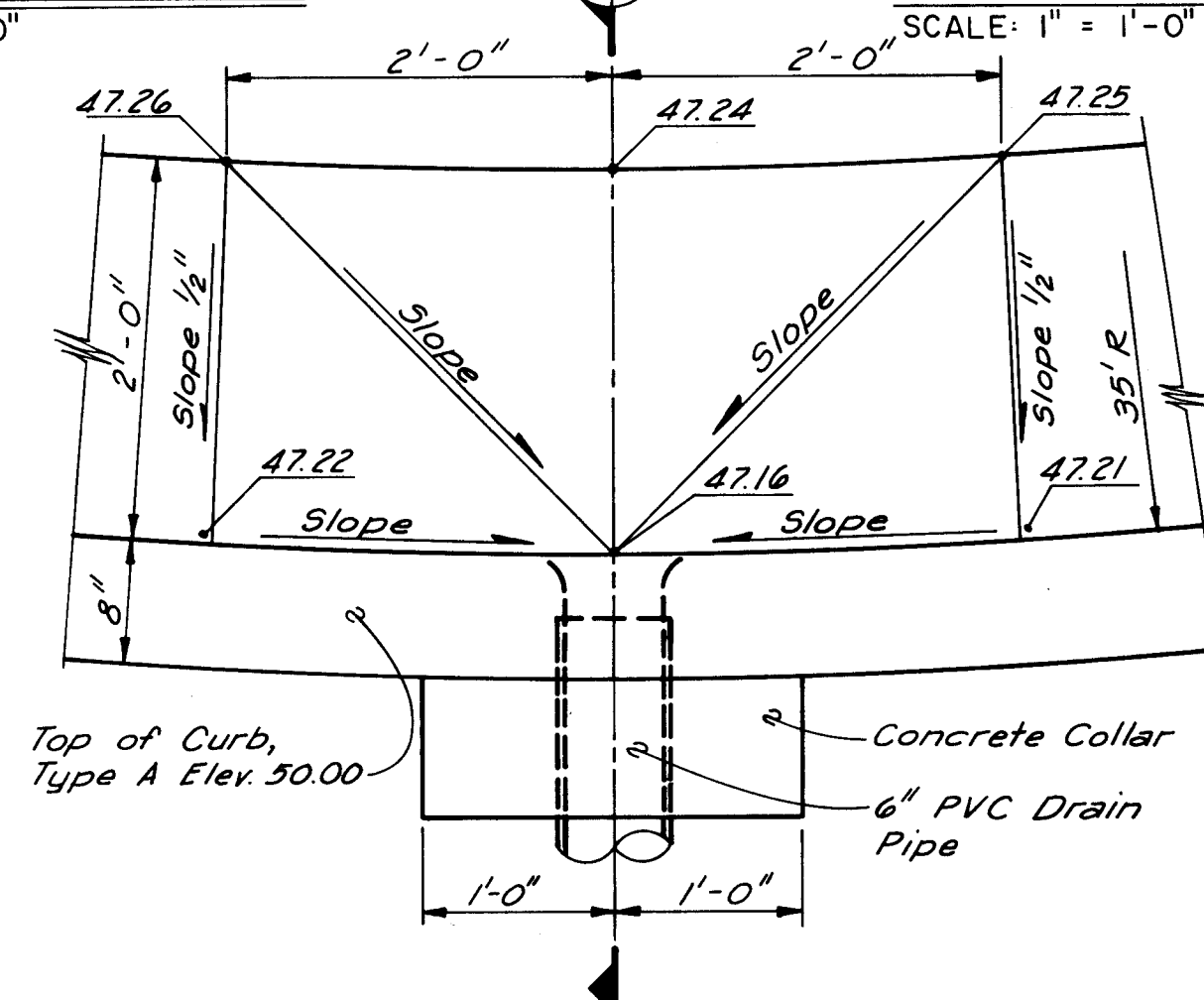
(NOT IN THIS CONTRACT
SEE NOTE ② SHEET C-2)



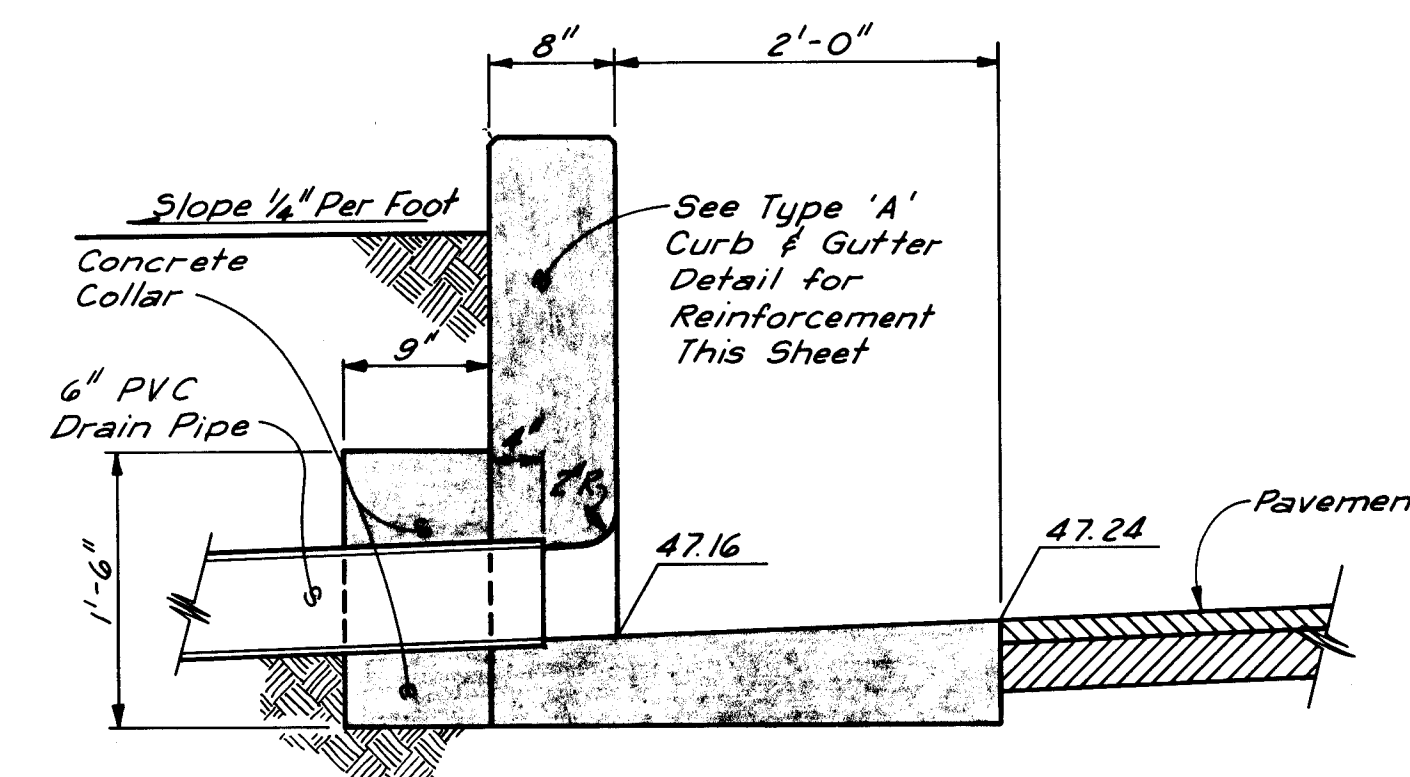
TYPE 3 PAVEMENT



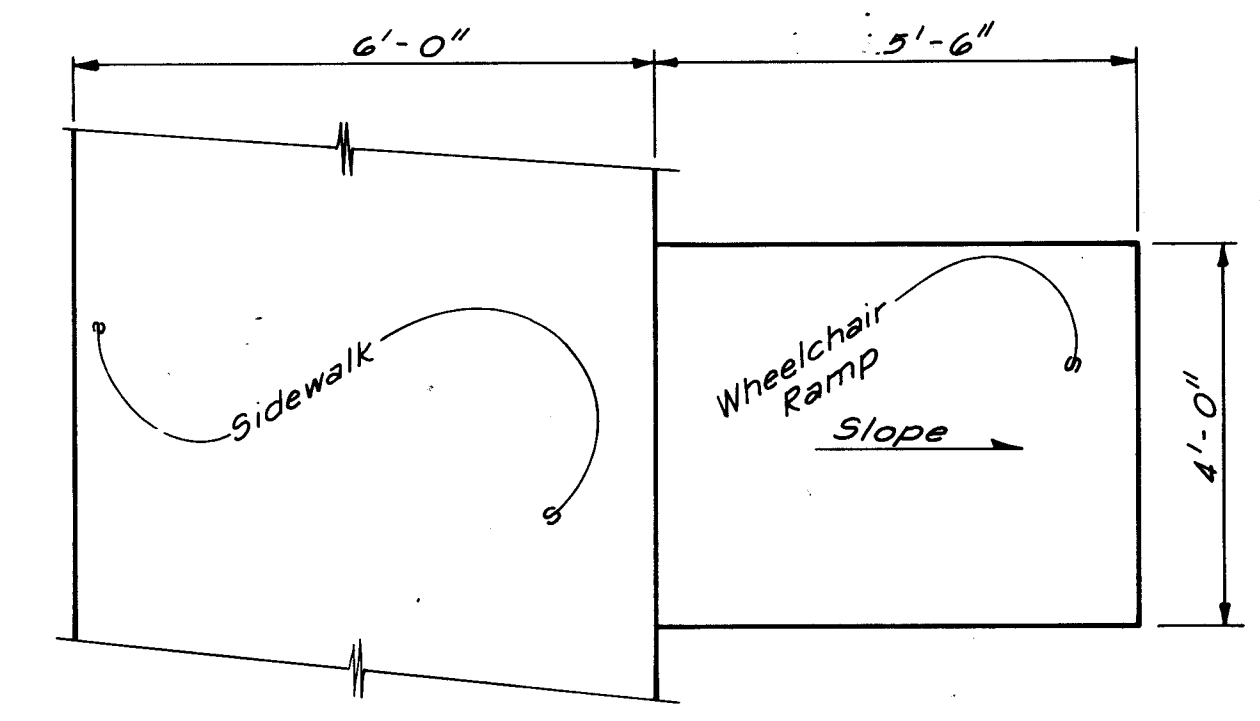
TYPE 5 PAVEMENT



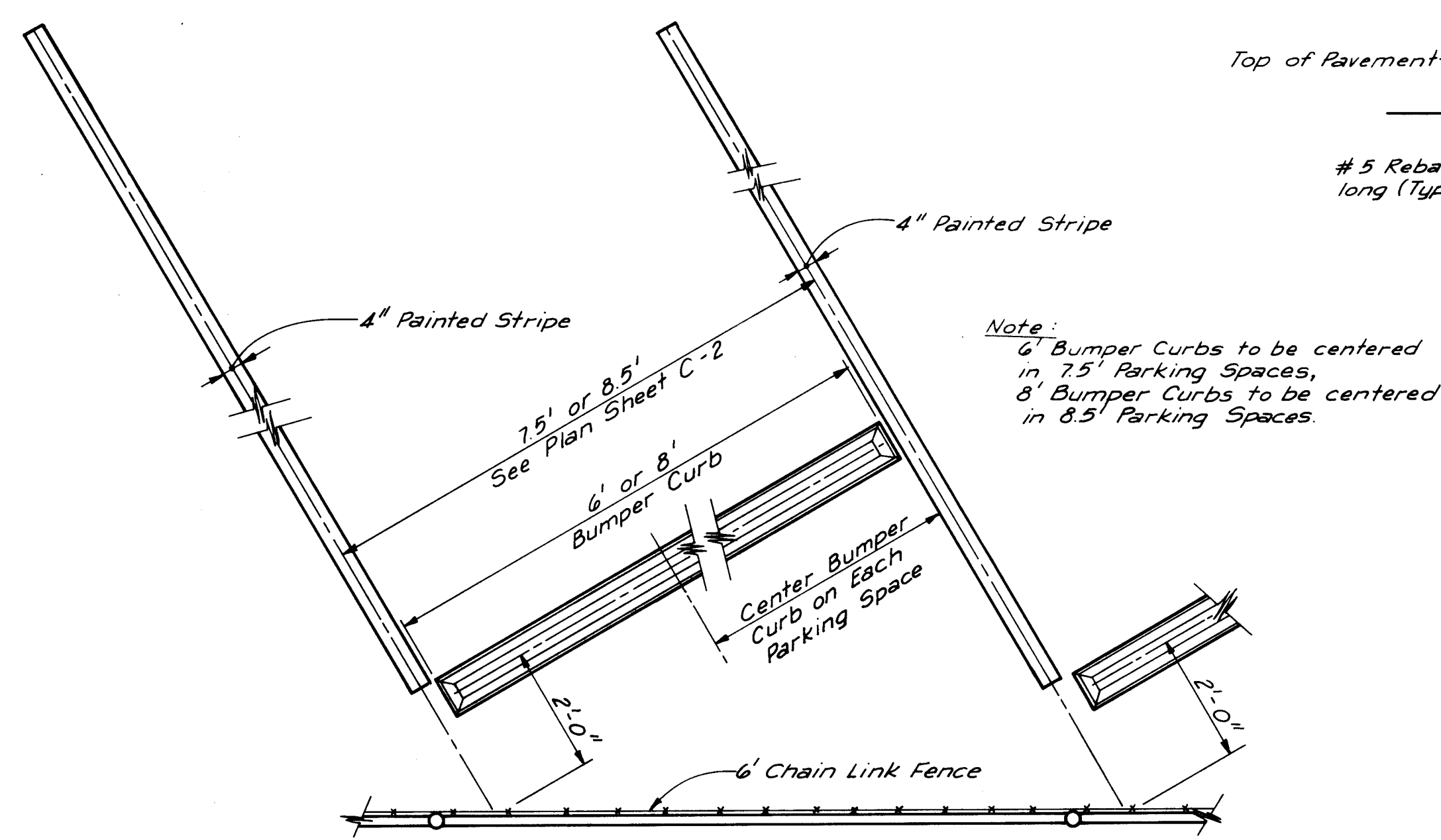
INLET DETAIL
SCALE: 1" = 1' - 0"



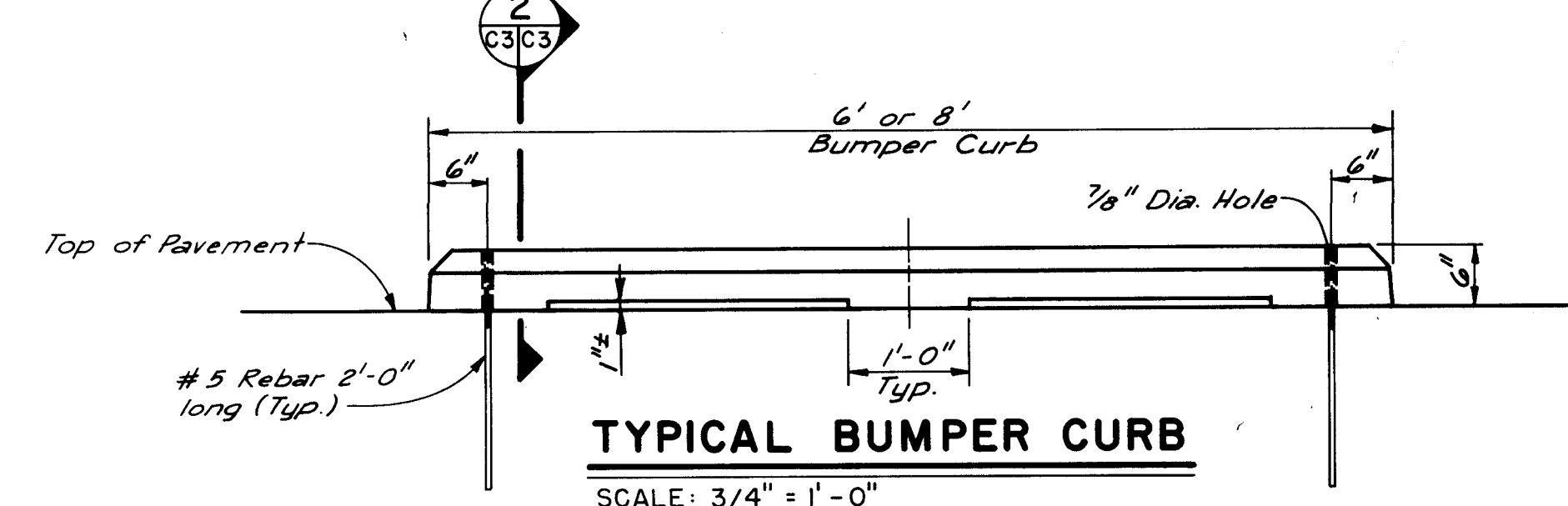
SECTION 1
SCALE: 1" = 1'-0" C3C



PLAN

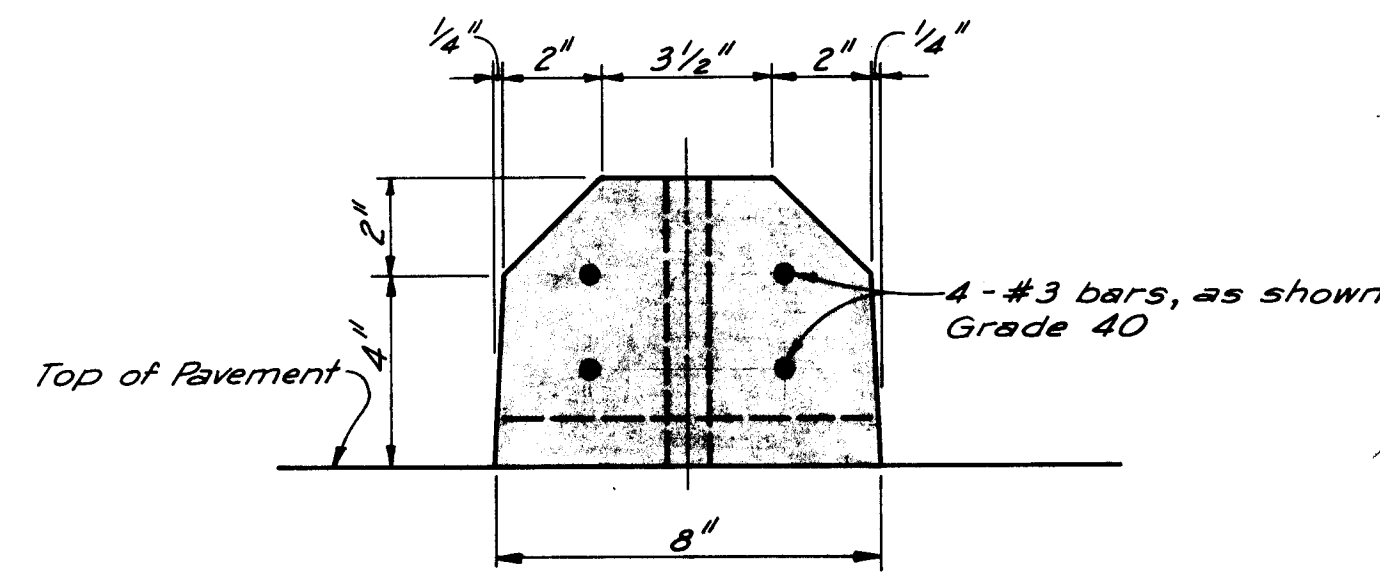


TYPICAL PARKING SPACE WITH BUMPER CURB

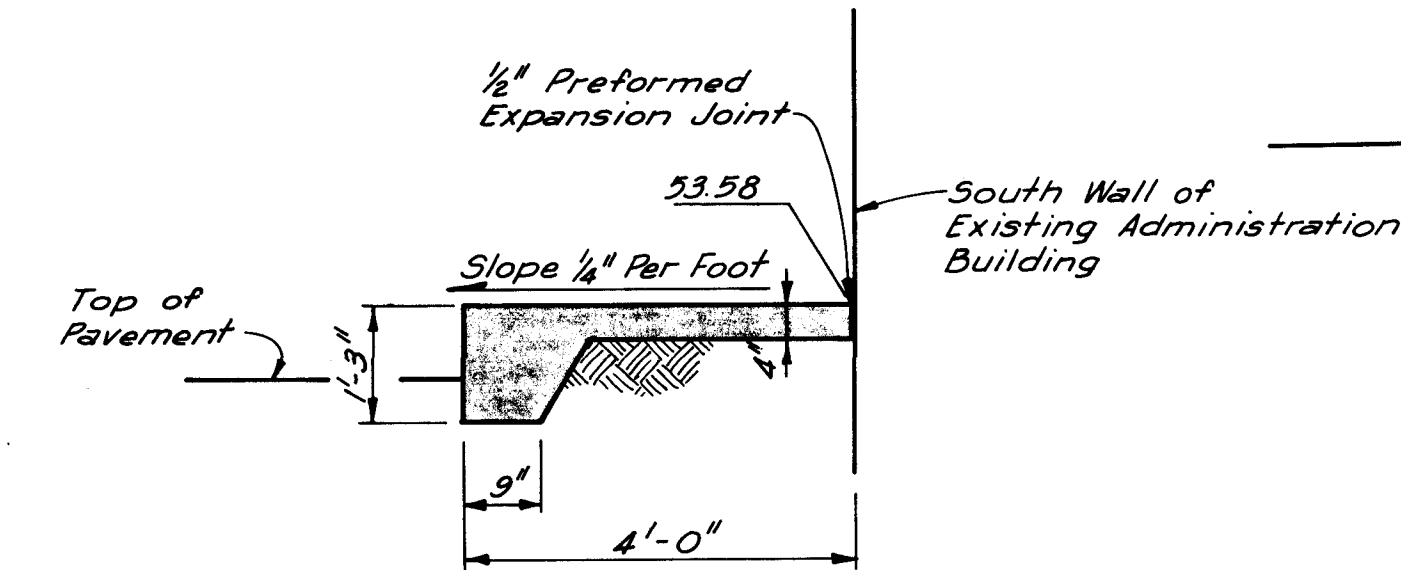


TYPICAL BUMPER CURB

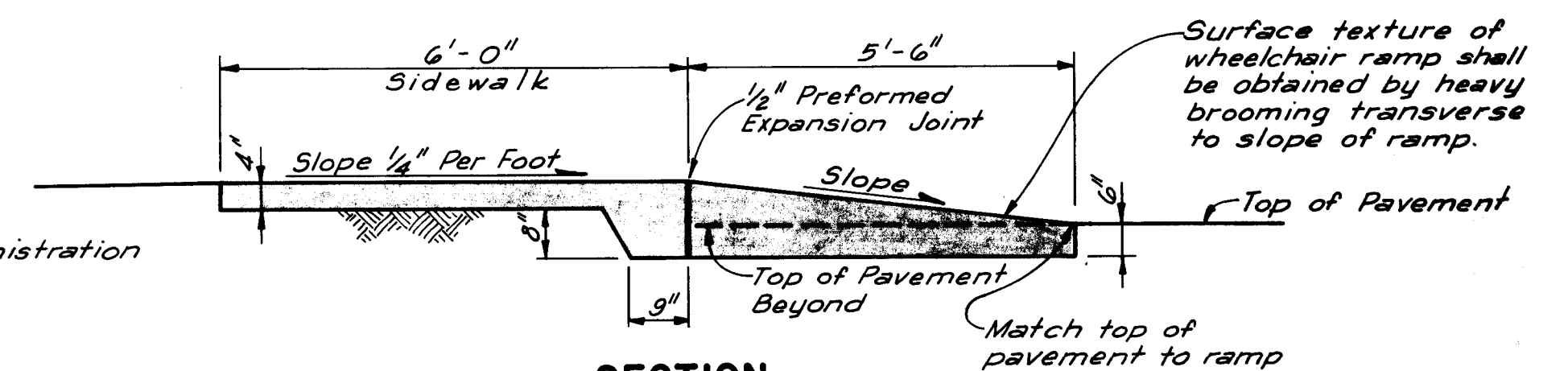
SCALE: 3/4" = 1'-0"



SECTION 2
SCALE: 3" = 1'-0" C3 | C3

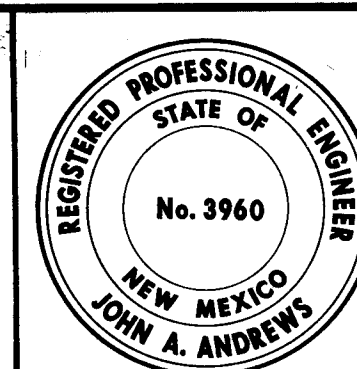
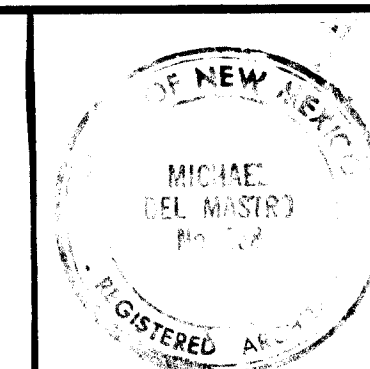


SECTION 1
SCALE: 1/2"=1'-0" C2 C3
(NOT IN THIS CONTRACT)
(SEE NOTE ② SHEET C-2)

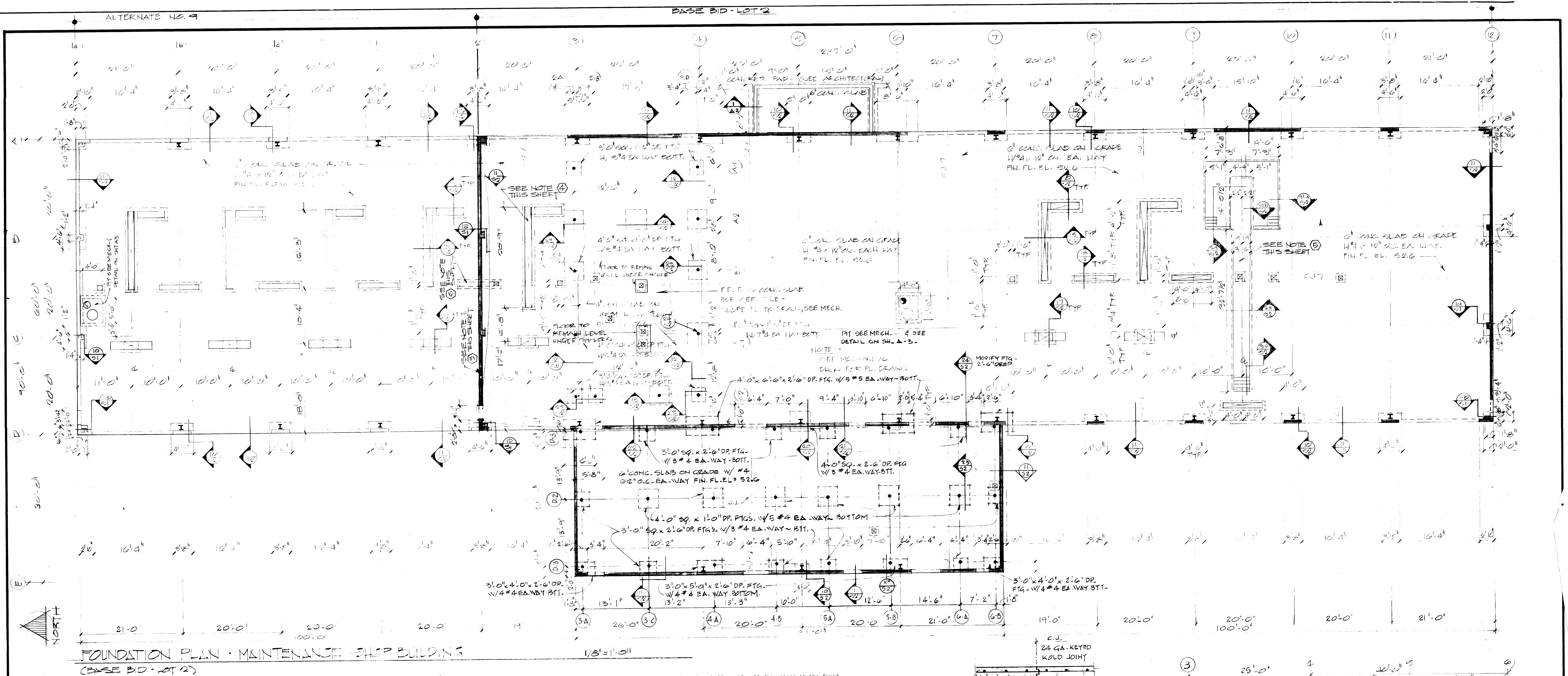


SECTION
WHEELCHAIR RAMP DETAILS ← (NOT IN THIS CONTRACT
SEE NOTE ② SHEET C-2)
SCALE: 1/2" = 1'-0"

ALBUQUERQUE, NEW MEXICO



DRAWN BY J.A.	TITLE SITE DETAILS	SHEET NO. C-3
CHECKED BY J.A. R.F.		
DATE 9-17-81		
JOB NO. 7901	REVISIONS	OF 4



GENERAL STRUCTURAL NOTES:

- DESIGN DATA:
 - Codes: Uniform Building Code, 1997 Edition; AISC Manual of Steel Const., 7th Edition.
 - Live Loads:
 - Mechanical Floors: 125 psf
 - Roof: 20 psf
 - Rigid Frame A3 to D3: 11.0 k/ft Moving Load
 - Rigid Frame A4 to D4: 11.0 k/ft Moving Load
 - Rigid Frame A5 to D5: 11.0 k/ft Moving Load
 - Wind: 25 psf
 - Seismic: Zone 2 (MSK)
 - Allowable 1/3 stress increase for combined gravity and/or seismic loading.
 - Steel Building Design: The actual building shall be designed for the loads listed in Note 1b in addition to the dead load of the building, live mechanical and electrical loads for additional equipment and piping loads.
 - Loading combinations: The building shall be designed for the following load combinations:
 - DL + LL + CL
 - DL + LL + CL + W or S
 - DL + W or S + CL
 - DL + W or S
 Calculations shall be submitted to architect for review prior to fabrication.
- All concrete shall have a minimum compressive strength at 28 days as listed below:
 - a. Hardrock: $f'_c = 3000$ psi - (Air entrained) All exterior sidewalks, slabs, pads and curbs and gutters.
 - $f'_c = 3000$ psi - All interior slabs on grade, grade beams, walls and footings.
- All reinforcing steel shall be ASTM A615, Grade 60, having a minimum yield strength of 40,000 psi.
- All reinforcing steel shall be fabricated and placed in accordance with the ACI Building Code requirements for reinforced concrete (ACI 318-70) and the ACI Standard Detailing Manual (ACI 315-69).
- Provide bar supports and spacers for rebar in accordance with ACI 318-70 and chairs with 22 ga. steel plates for rebar in slabs on grade.
- Where lapped splices in reinforcing occur, the minimum lap shall be made as follows: vertical reinforcing 28 bar diameters or 1'-6" minimum; horizontal reinforcing 36 bar diameters or 1'-6" minimum unless otherwise noted.
- All horizontal reinforcing in 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 36 bar diameters or 1'-6" minimum.

NOTES:

- BUILDING MANUFACTURER SHALL FURNISH A MINIMUM OF TWO (2) ADDITIONAL PURLINS TO SUPPORT EACH ITEM OF EQUIPMENT ON ROOF. VERIFY SIZES, WEIGHTS & LOCATIONS. MECHANICAL CONTRACTOR SHALL FURNISH ADDITIONAL PURLINS REQUIRED TO SUPPORT EQUIPMENT. PURLIN SHALL BE 18" x 1" 100% GAGE MINIMUM.
- MECHANICAL CONTRACTOR SHALL FURNISH CURBS REQUIRED AND NO OPENINGS FOR MECHANICAL EQUIPMENT & SHALL COORDINATE OPENINGS WITH THE BUILDING MANUFACTURER.
- POSITION OF EXTERIOR END WALL BASE BID-LOT 2, IF ALTERNATE NO. 9 IS ACCEPTED CONSTRUCTION AT THIS BAY SHALL BE SAME AS TYPICAL INTERIOR SERVICE & REPAIR BAY. IN EITHER SITUATION CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH BUILDING MANUFACTURER PRIOR TO CONSTRUCTION.
- HOIST IN THIS BAY IS ONLY ONE TO BE USED FOR AUTOMOBILES. VERIFY DIMENSIONS WITH HOIST MANUFACTURER.
- VERIFY ALL DIMENSIONS WITH WHEEL ALIGNMENT EQUIPMENT MANUFACTURER.
- ALTERNATE NO. 9 IS ACCEPTED PROVIDE TYPICAL GROUND FLOOR PLAN AT THIS BAY.
- THE DIMENSIONS SHOWN FOR PRE-ENGINEERED STEEL BUILDING SHALL BE MINIMUM DIMENSIONS ACCEPTABLE. DIMENSIONS THAT DEVIATE FROM DIMENSIONS SHOWN SHALL BE RESPONSIBLE FOR SUBMITTAL OF COMPLETE SHOP DRAWINGS & COORDINATION OF DIMENSION CHANGES WITH TRAILERS MANUFACTURERS, ETC.

FOUNDATION PLAN - MAINTENANCE SHOP BUILDING
(BASE BID - LOT 2)

TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE
ALBUQUERQUE, NEW MEXICO

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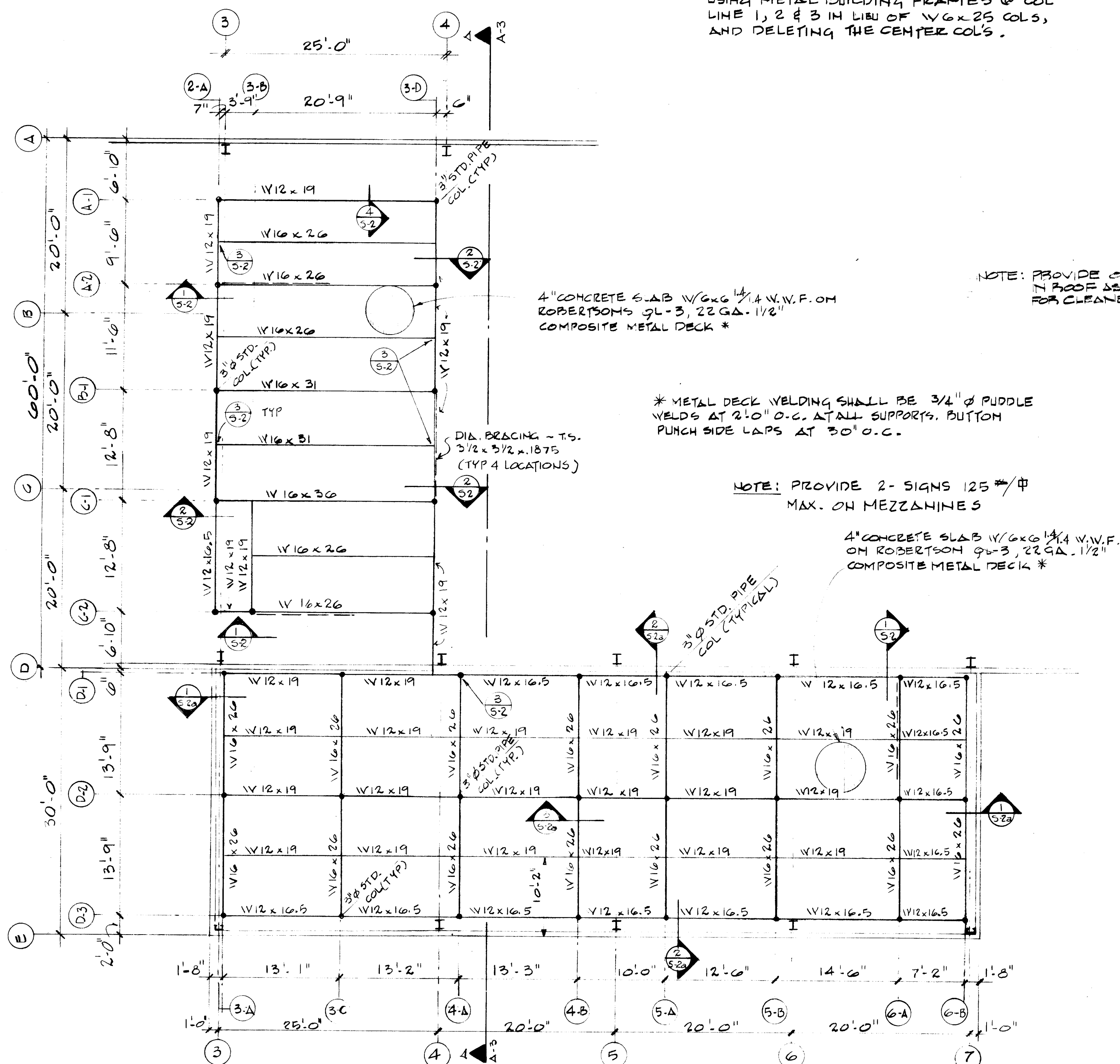
FOUNDATION AND FRAMING PLANS

S-1

3

of 3

SERVICE ISLAND FRAMING OPTION NOTE:
CONTRACTOR SHALL HAVE THE OPTION OF USING METAL BUILDING FRAMES @ COL LINE 1, 2 & 3 IN LINE OF W6x25 COLS, AND DELETING THE CENTER COLS.



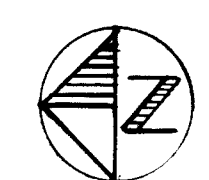
MEZZANINE FRAMING PLAN SCALE 1/8"=1'-0" (BASE 5D LOT 2)

NOTE: PROVIDE OPENINGS IN ROOF AS REQUIRED FOR CLEANERS.

* METAL DECK WELDING SHALL BE 3/4" RIDDLE WELDS AT 2'-0" O.C. AT ALL SUPPORTS. BOTTOM PUNCH SIDE LAPS AT 3'-0" O.C.

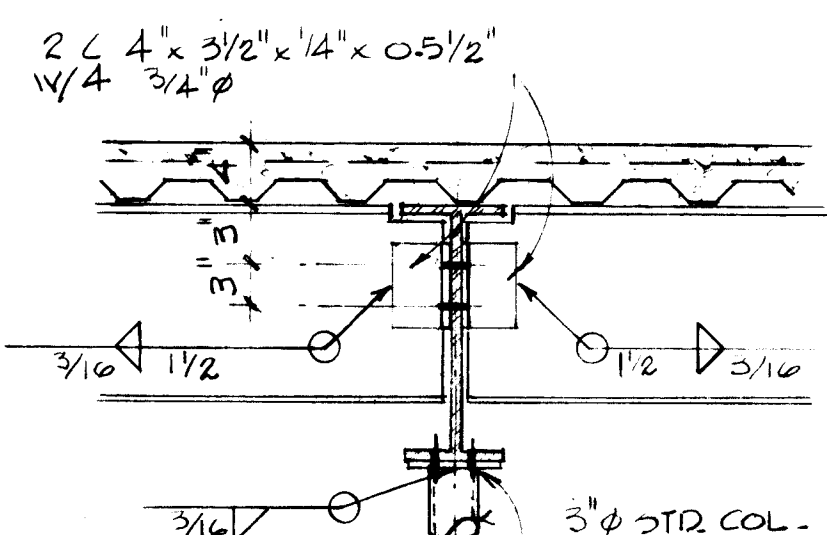
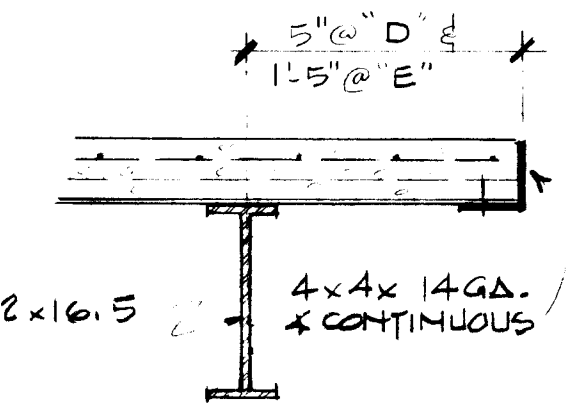
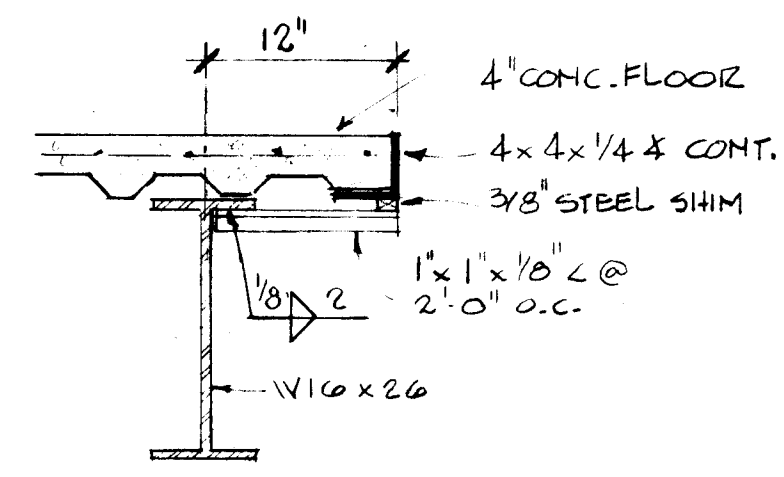
NOTE: PROVIDE 2- SIGNS 125 #/PH MAX. ON MEZZANINE S

4" CONCRETE SLAB W/ 6x6 1/4 W.W.F. ON ROBERTSON 9x3 22 GA. 1/2" COMPOSITE METAL DECK *

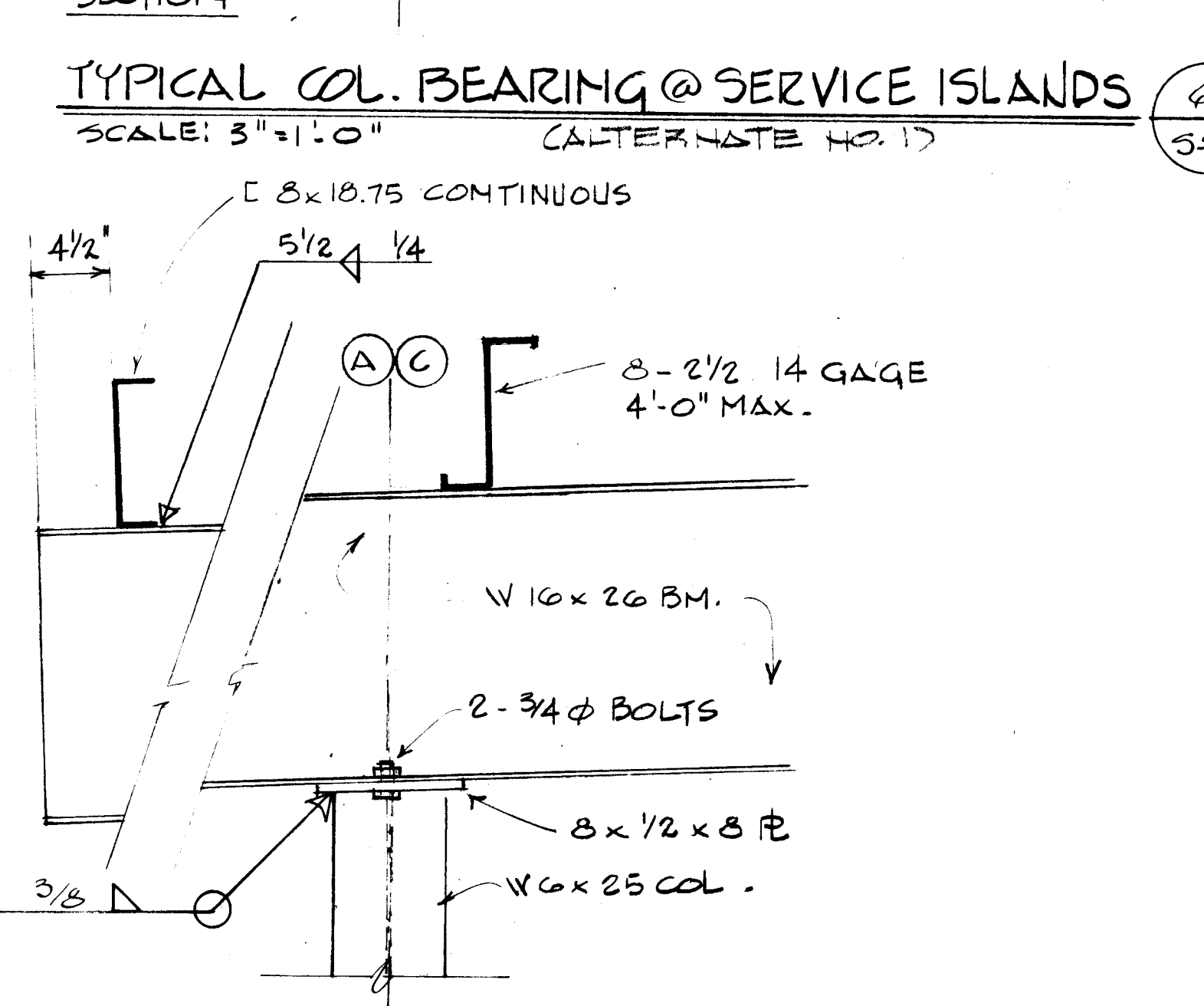


SERVICE ISLANDS ROOF FRAMING PLAN 1/8"=1'-0"

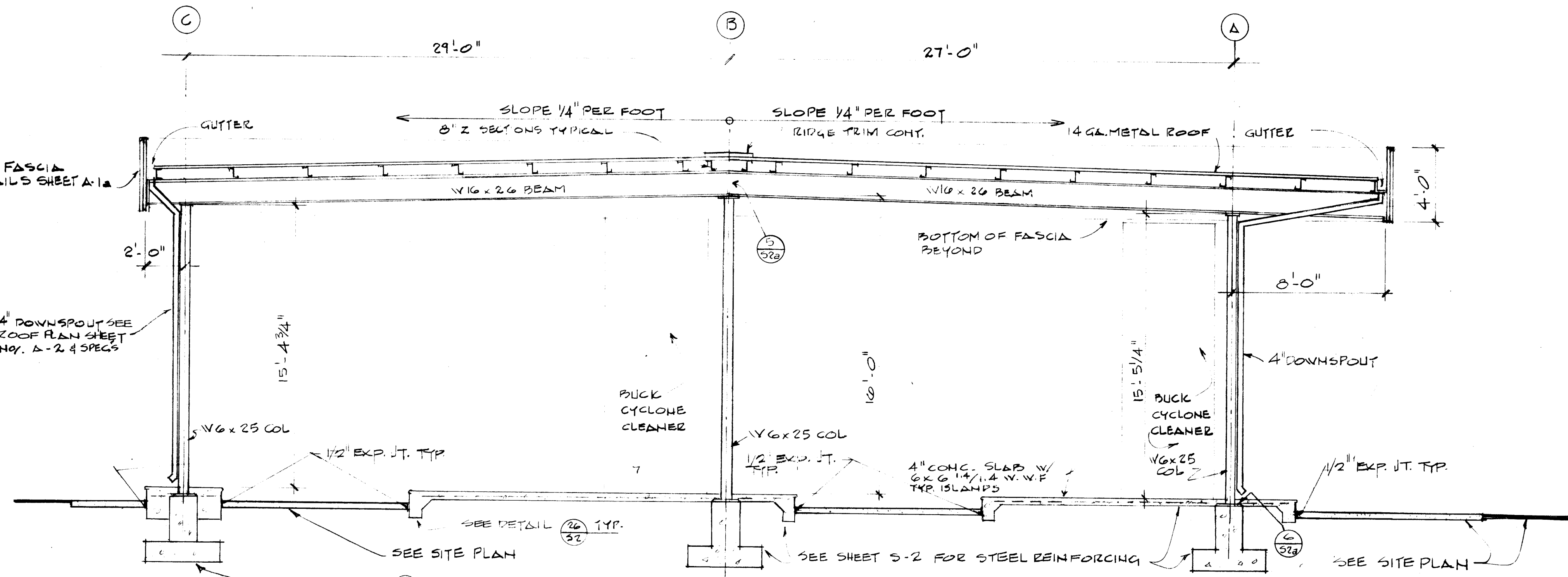
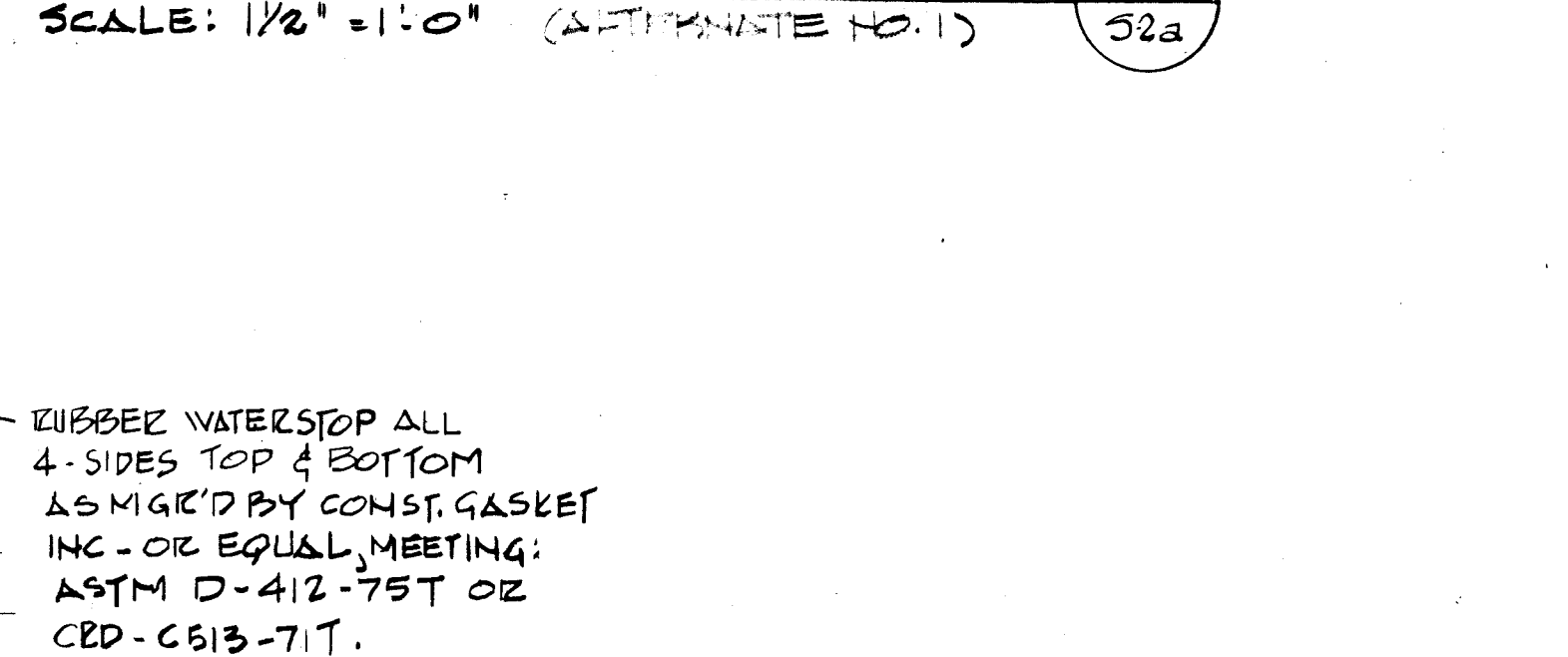
STRUCTURAL NOTES: ROOF LOADS ~ LL = 20 PSF + D.L.
SOILS BRG. CAPACITY = 2000 PSF
CONCRETE STRENGTH f'_c = 3,000 @ 28 DAYS
A-36 STRUCTURAL STEEL
GRADE 40 REBAR
GRADE A-325 STEEL BOLTS



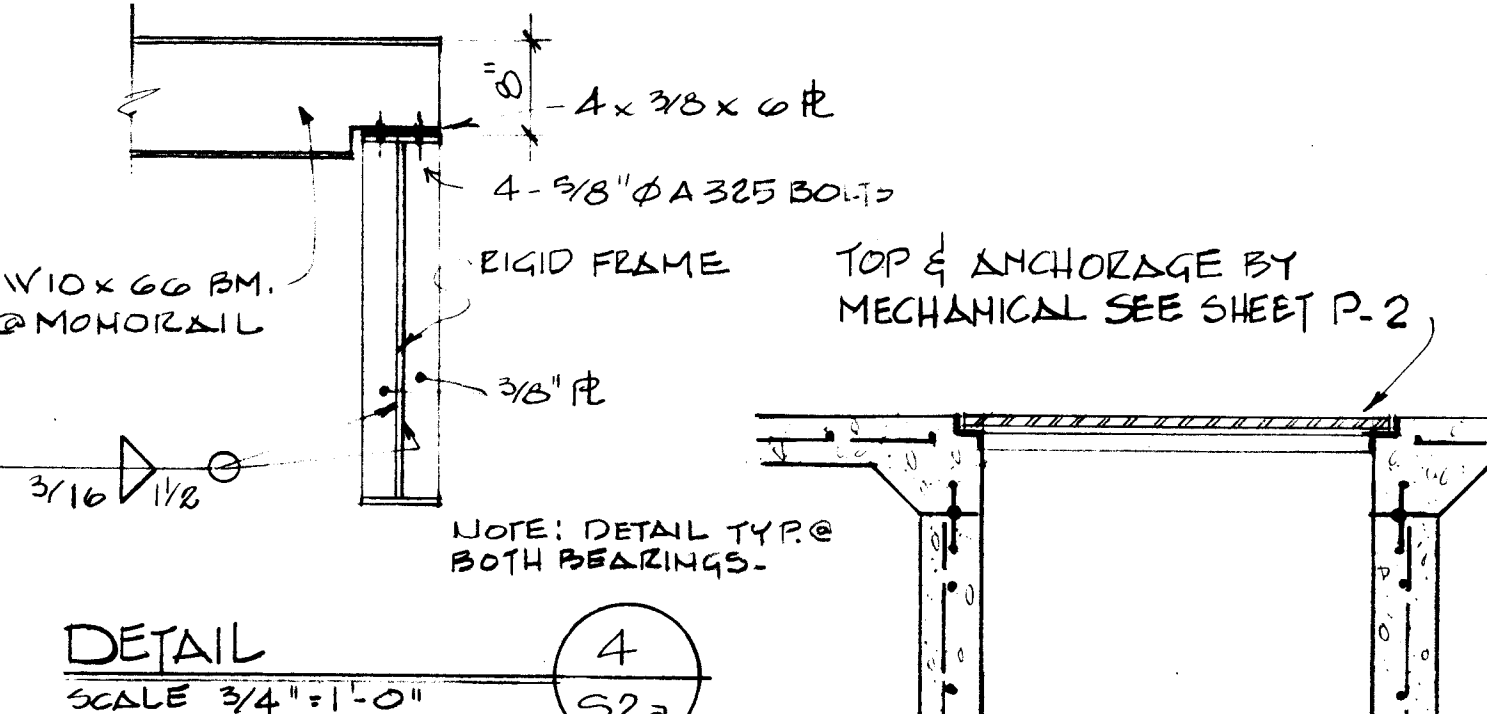
TYPICAL COL. BEARING @ SERVICE ISLANDS SCALE: 3/4"=1'-0" (ALTERNATE NO. 1) (S-2a)



COL. TO BEAM @ END LINES SCALE: 1/2"=1'-0" (ALTERNATE NO. 1) (S-2a)

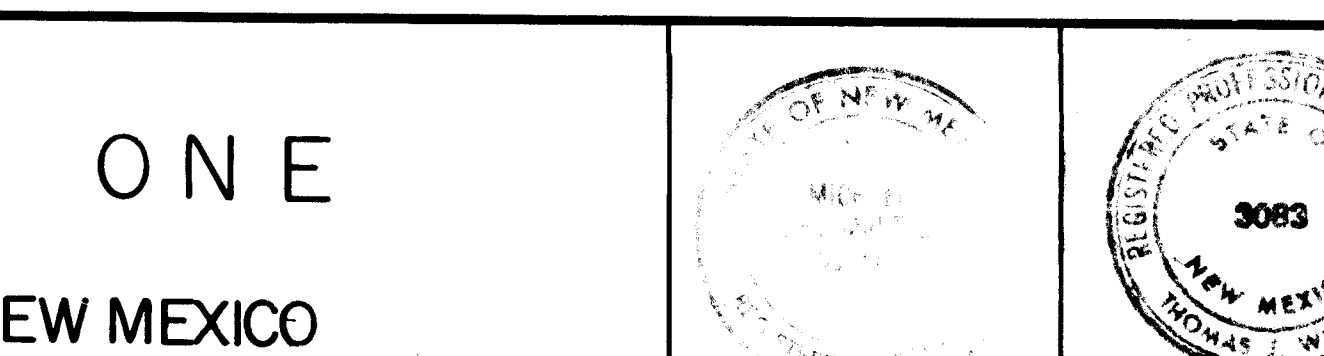


CROSS SECTION ~ "A-A" SCALE: 1/4"=1'-0" (ALTERNATE NO. 1)



PIT FOR WASHRACK BUILDING DETAIL SCALE: 1/2"=1'-0" (S-2a)

NOTE: DETAIL TYPE BOTH BEARINGS.

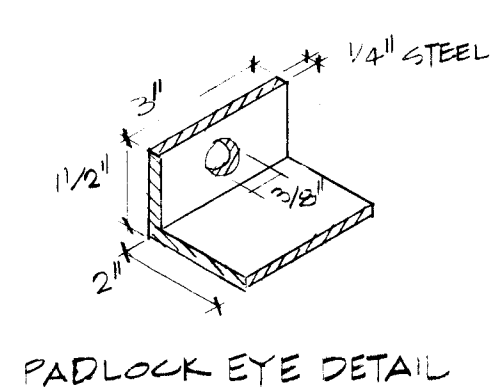


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TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE
ALBUQUERQUE, NEW MEXICO

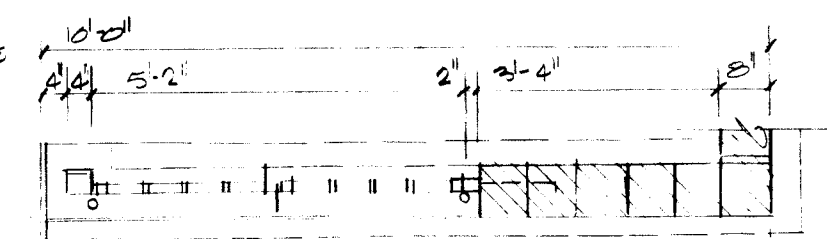
DRAWN BY D.O.H.	CHECKED BY M.D.M.	DATE 9-17-81	JOB NO. 7901	TITLE MEZZANINE FRAMING PLAN, ISLAND FRAMING PLAN, AND DETAILS	REVISIONS	SHEET NO. S-2a
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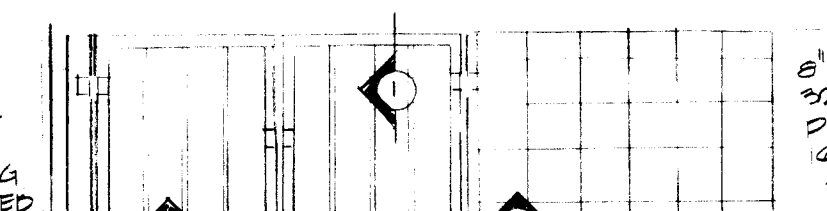
PADLOCK EYE DETAIL

EDGE OF FOOTING
2" X 1/2" STEEL TUBE COLUMN
4" X 1/2" DIAMETER ANCHOR BOLTS
WELDED TO 2" X 1/2" TUBE COLUMN AT
INTERVALS DETERMINED BY
BLACK SPACING

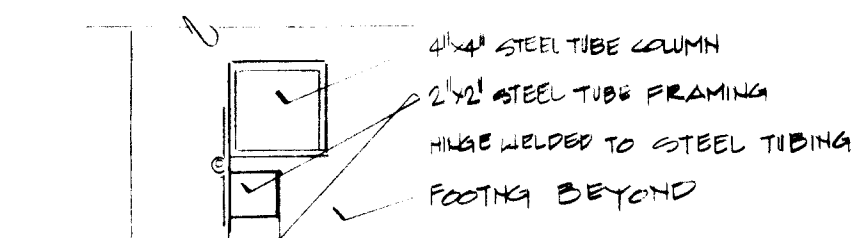


PLAN SCALE 3/8" = 1'-0"

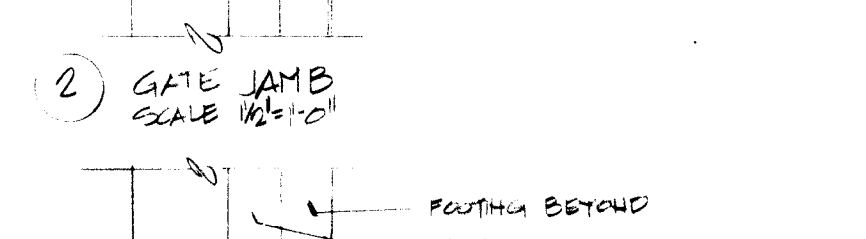
2" X 1/2" STEEL TUBE COLUMN
GATE FRAME: 4" X 1/2" STEEL TUBE
WELDED TO 2" X 1/2" TUBE COLUMN AT
INTERVALS DETERMINED BY
BLACK SPACING



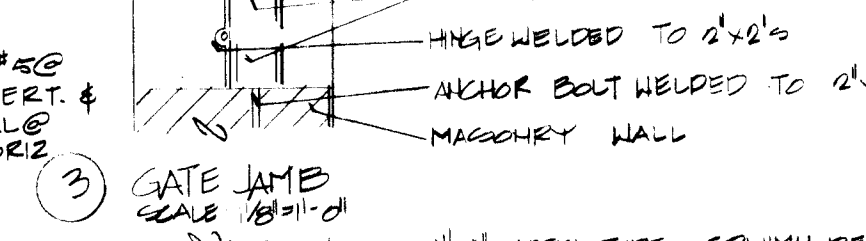
DETAIL OF GATE & TRANSFORMER ENCLOSURE
ALTERNATE NO. 9



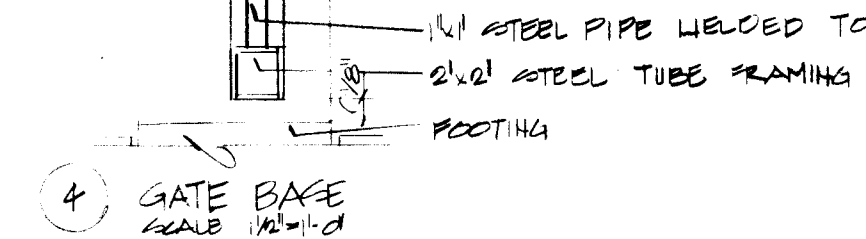
GATE HEAD SCALE 1/4" = 1'-0"



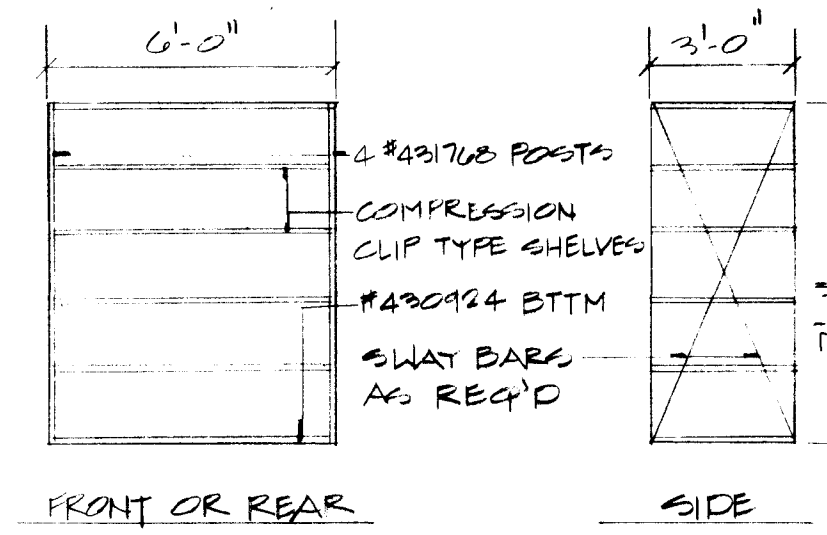
GATE JAMB SCALE 1/4" = 1'-0"



GATE JAMB SCALE 1/4" = 1'-0"



GATE JAMB SCALE 1/4" = 1'-0"



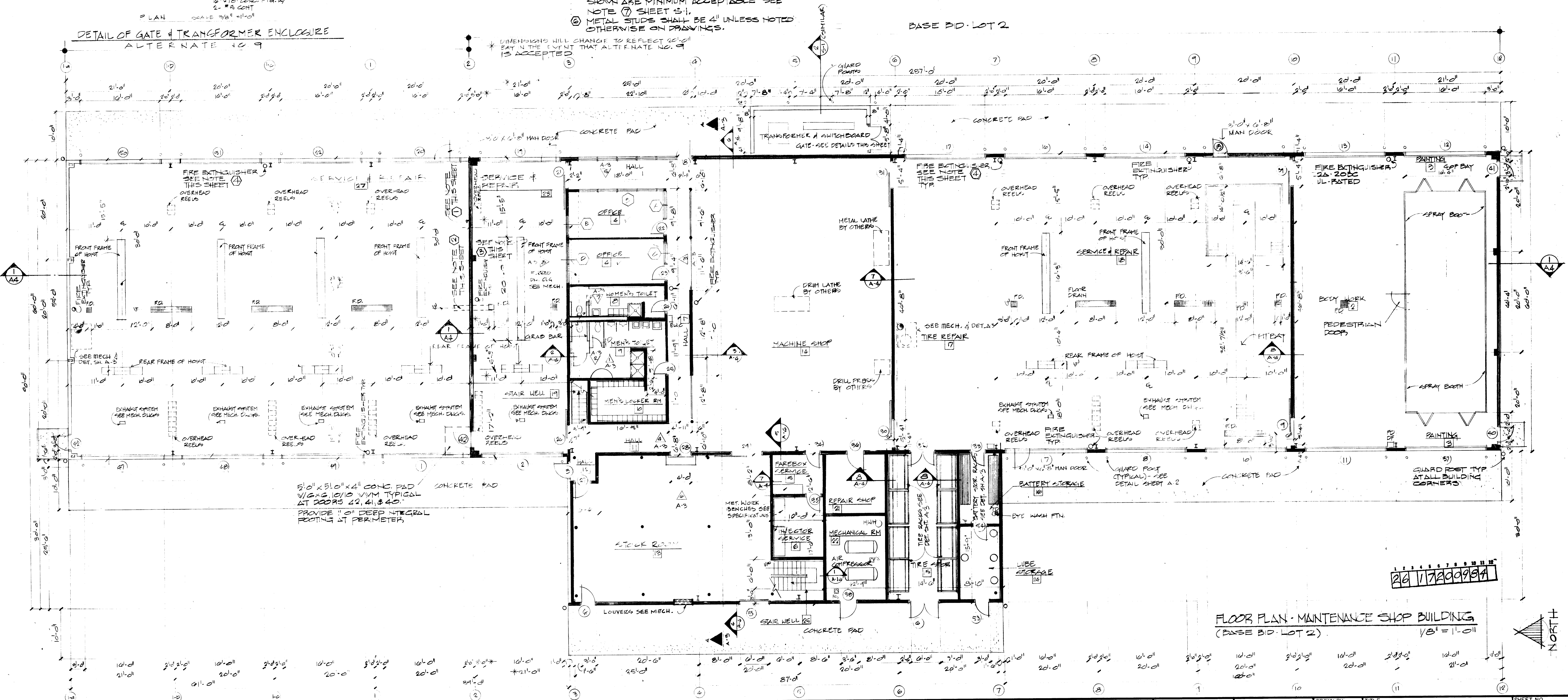
FRONT OR REAR SIDE

SHELVING UNITS - ELEVATIONS
SCALE: 1/4" = 1'-0"

- NOTES:
- DELETE THIS WALL IF ALTERNATE NO. 10 IS BUILT. INDICATE ON THEN TO BE SAME AS TYPICAL INTERIOR SERVICE & REPAIR BAY.
 - IF ALTERNATE NO. 10 IS BUILT INSTALL TYPICAL 8'-0" LONG 4'-0" HIGH DOOR AT "S" LOCATION.
 - THIS HOIST TO BE ONLY ONE USED FOR AUTOMOBILES ALSO, VERIFY ALL DIMENSIONS W/ HOIST MFG'G.
 - FURNISH & INSTALL 2A-BDC UL RATED WALL MOUNTED FIRE EXTINGUISHER AT LOCATIONS NOTED
 - PRE-ENGINEERED STEEL BUILDING DIMENSIONS SHOWN ARE MINIMUM ACCEPTABLE SEE NOTE (7) SHEET 3-1.
 - METAL STUDS SHALL BE 4" UNLESS NOTED OTHERWISE ON DRAWINGS.

R.M. NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING	HGT.	REMARKS
				NORTH	SOUTH	EAST	WEST			
1	WALL	CONCRETE		METAL LINER PANEL		METAL LINER PANEL	COATED LINER PANEL	METAL LINER PANEL		
2	BODY WORK	CONCRETE		METAL LINER PANEL		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
3	PAINTING	CONCRETE			METAL LINER PANEL		METAL LINER PANEL	METAL LINER PANEL		
4	OFFICES (2)	SHEET VINYL	VINYL	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	8'-0"	9" ACOUSTIC TILE ON GYP. BD.
5	FAREBOX SERVICE	CONCRETE	VINYL	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	8'-0"	
6	INJECTOR SERVICE	SHEET VINYL	VINYL	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	8'-0"	
7	HALL	CONCRETE		COATED LINER PANEL	METAL LINER PANEL			METAL DECK	9'-8"	
8	WOMEN'S TOILET	CERAMIC TILE	CERAMIC TILE	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	8'-0"	CERAMIC TILE WAINSCOT 8'-0" HIGH
9	MEN'S TOILET	CERAMIC TILE	CERAMIC TILE	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	8'-0"	CERAMIC TILE WAINSCOT 8'-0" HIGH
10	MEN'S LOCKER RM	CERAMIC TILE	CERAMIC TILE	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	GYPSUM BOARD	8'-0"	
11	HALL	CONCRETE		METAL LINER PANEL		COATED LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
12	HALL	CONCRETE		METAL LINER PANEL	METAL LINER PANEL		METAL LINER PANEL	METAL LINER PANEL		
13	STOCK ROOM	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
14	MACHINE SHOP	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
15	TIRE STORAGE	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
16	BATTERY STORAGE	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
17	TIRE REPAIR	CONCRETE		METAL LINER PANEL		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
18	SERVICE & REPAIR	CONCRETE			METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
19	STAIR WELL			METAL LINER PANEL	COATED LINER PANEL			METAL LINER PANEL		
20	STOCK AREA (MEZZ)	CONCRETE		METAL LINER PANEL				METAL LINER PANEL		
21	REPAIR SHOP	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
22	MECHANICAL RM	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
23	SERVICE & REPAIR	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
24	LUBE STORAGE	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
25	STAIR WELL			METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
26	MEZZANINE STOCK	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		
27	SERVICE & REPAIR	CONCRETE		METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL	METAL LINER PANEL		ALTERNATE NO. 9

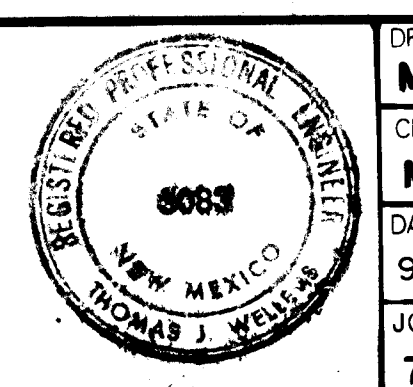
- 1 ROOMS 15, 16, & 24 TO BE 1-HOUR CONSTRUCTION - PROVIDE 5/8" GYPSUM, 5/8" (1-HOUR) UNDER METAL LINER PANEL BOTH SIDES OF WALLS ENCLOSING THIS ROOMS.
- 2 PROVIDE 1-HOUR CONSTRUCTION WALL, BETWEEN BODY WORK RM. 2 & SERVICE - REPAIR ROOM NO. 18.



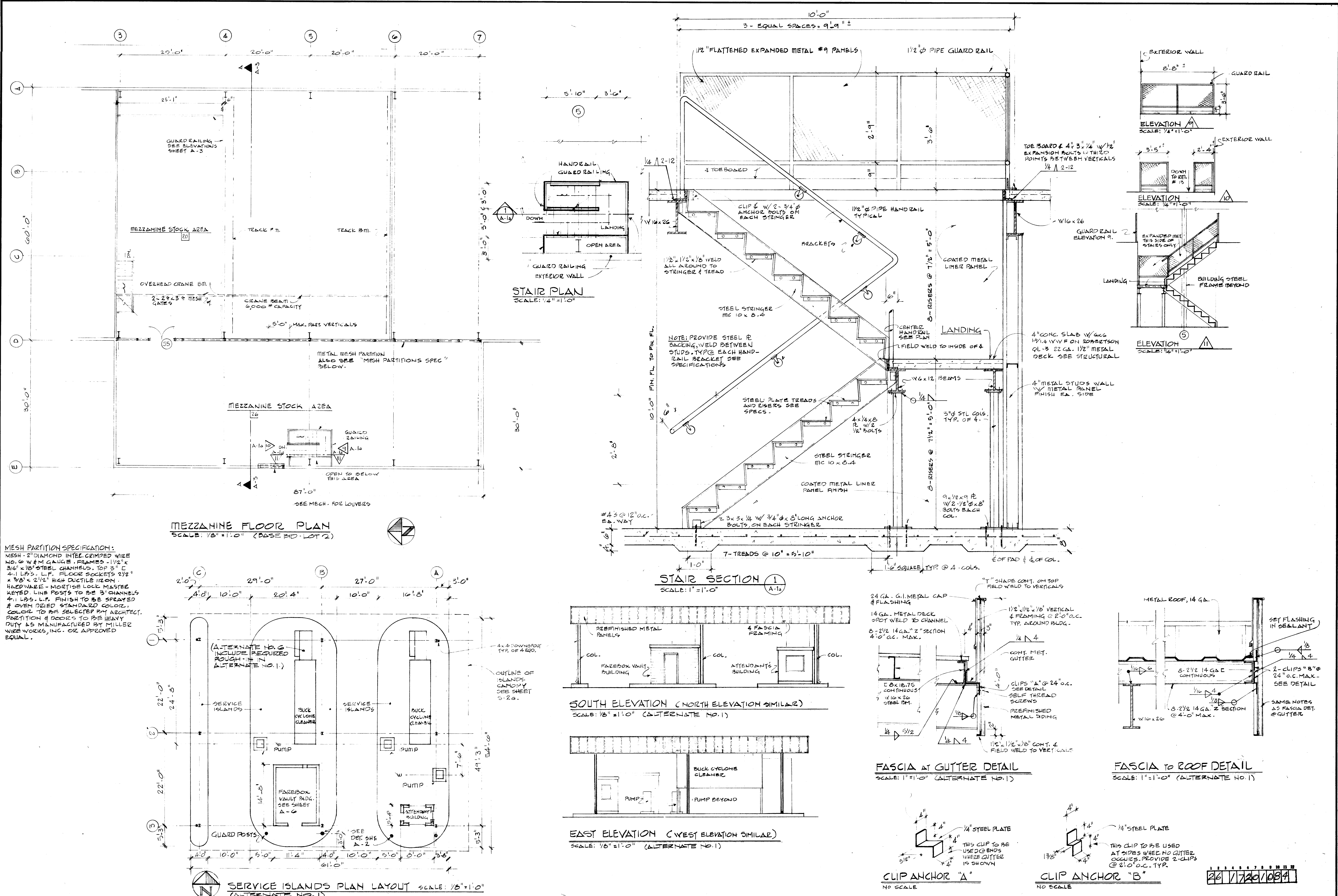
FLOOR PLAN - MAINTENANCE SHOP BUILDING
(BASE BID LOT 2)

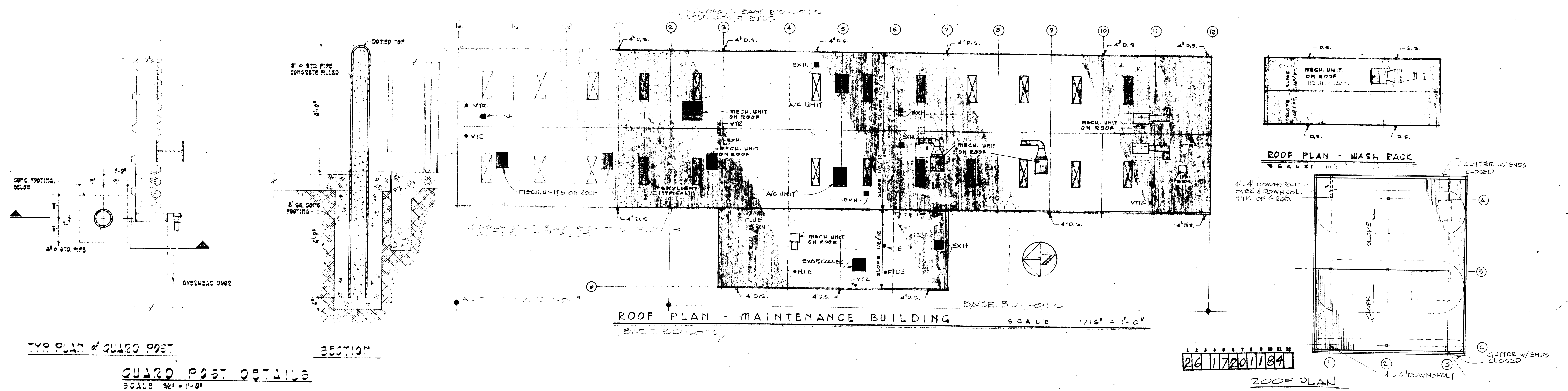
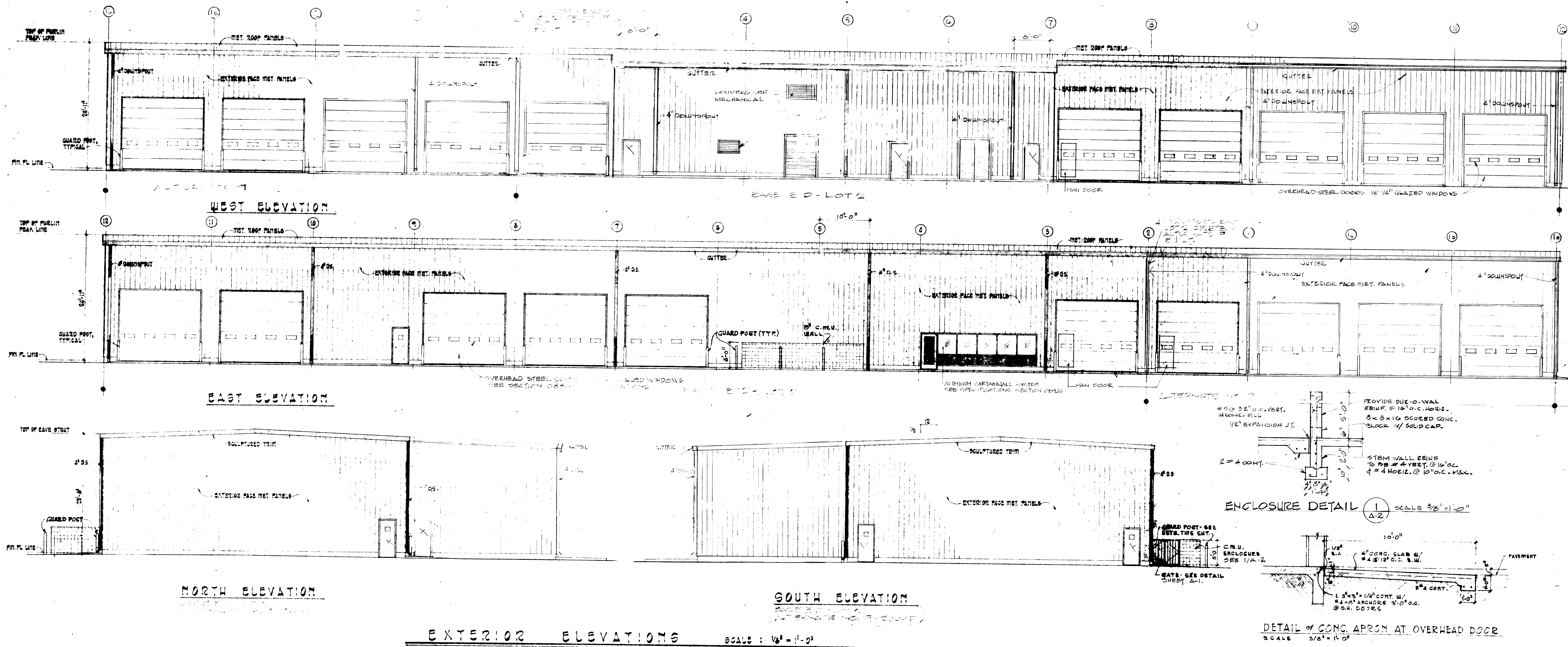
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TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE
ALBUQUERQUE, NEW MEXICO



DRAWN BY M.G.H.	TITLE FLOOR PLAN & ROOM FINISH SCHEDULE	SHEET NO. A-1
CHECKED BY M.D.M.	REVISIONS	OF 7
DATE 9-17-81		
JOB NO. 7901		

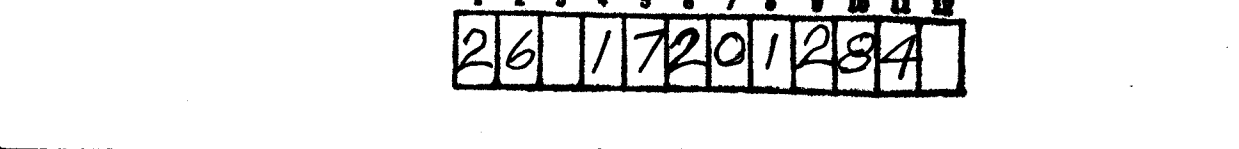
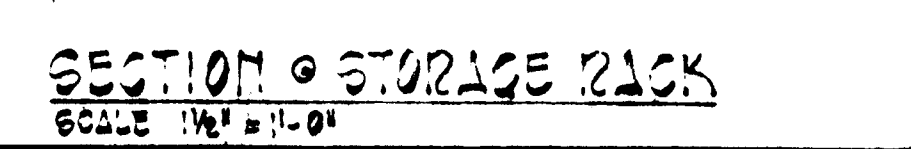
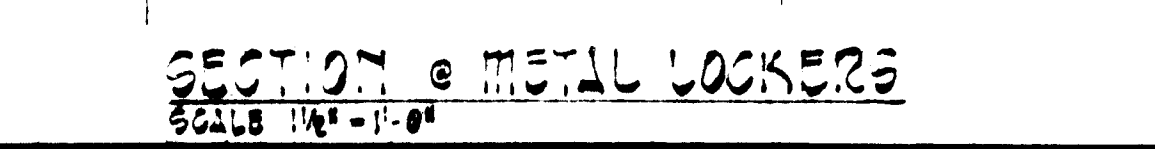
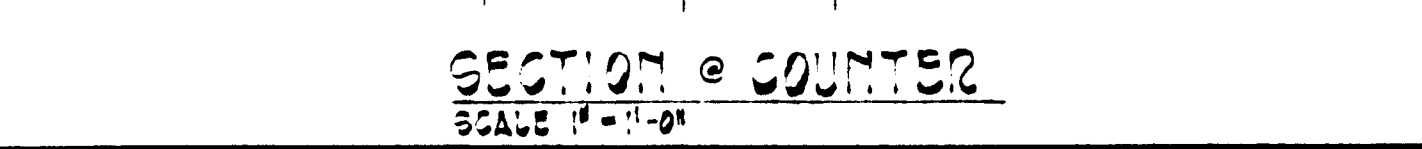
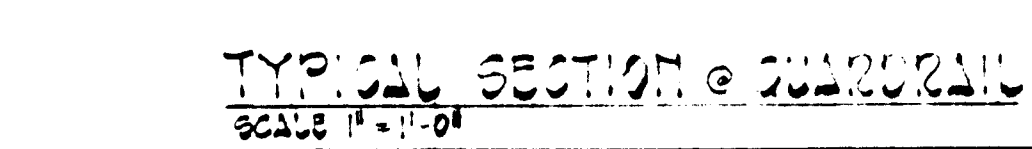
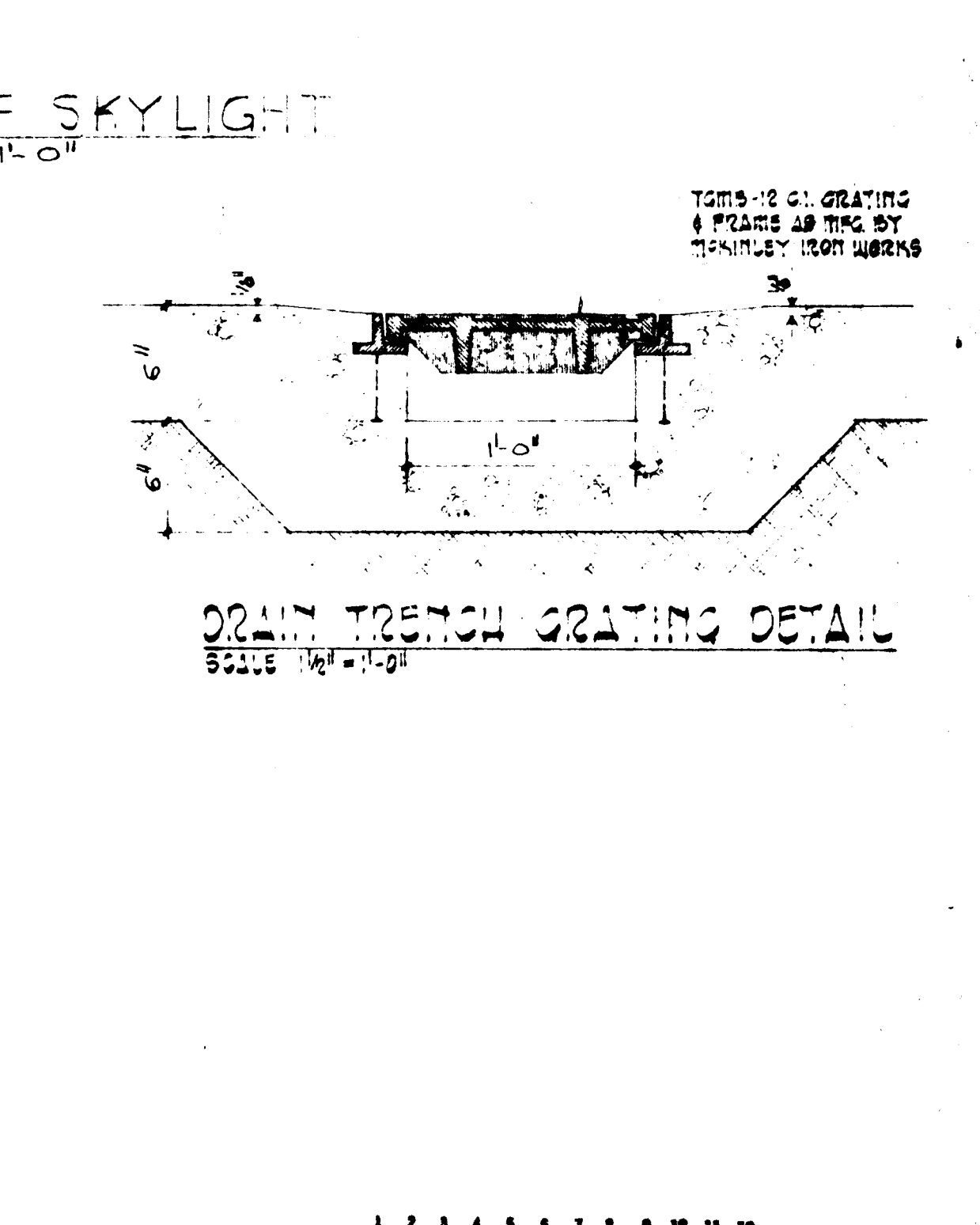
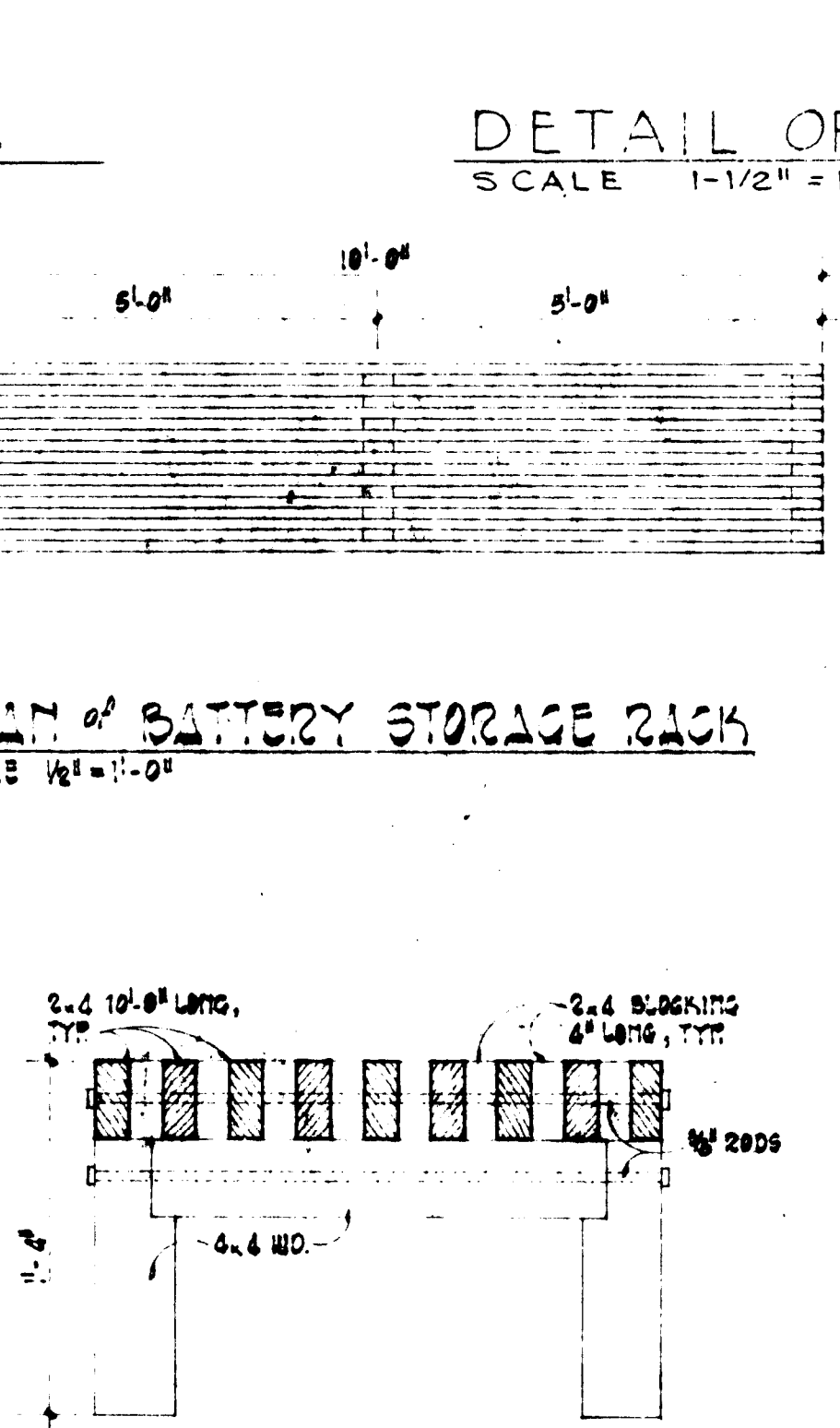
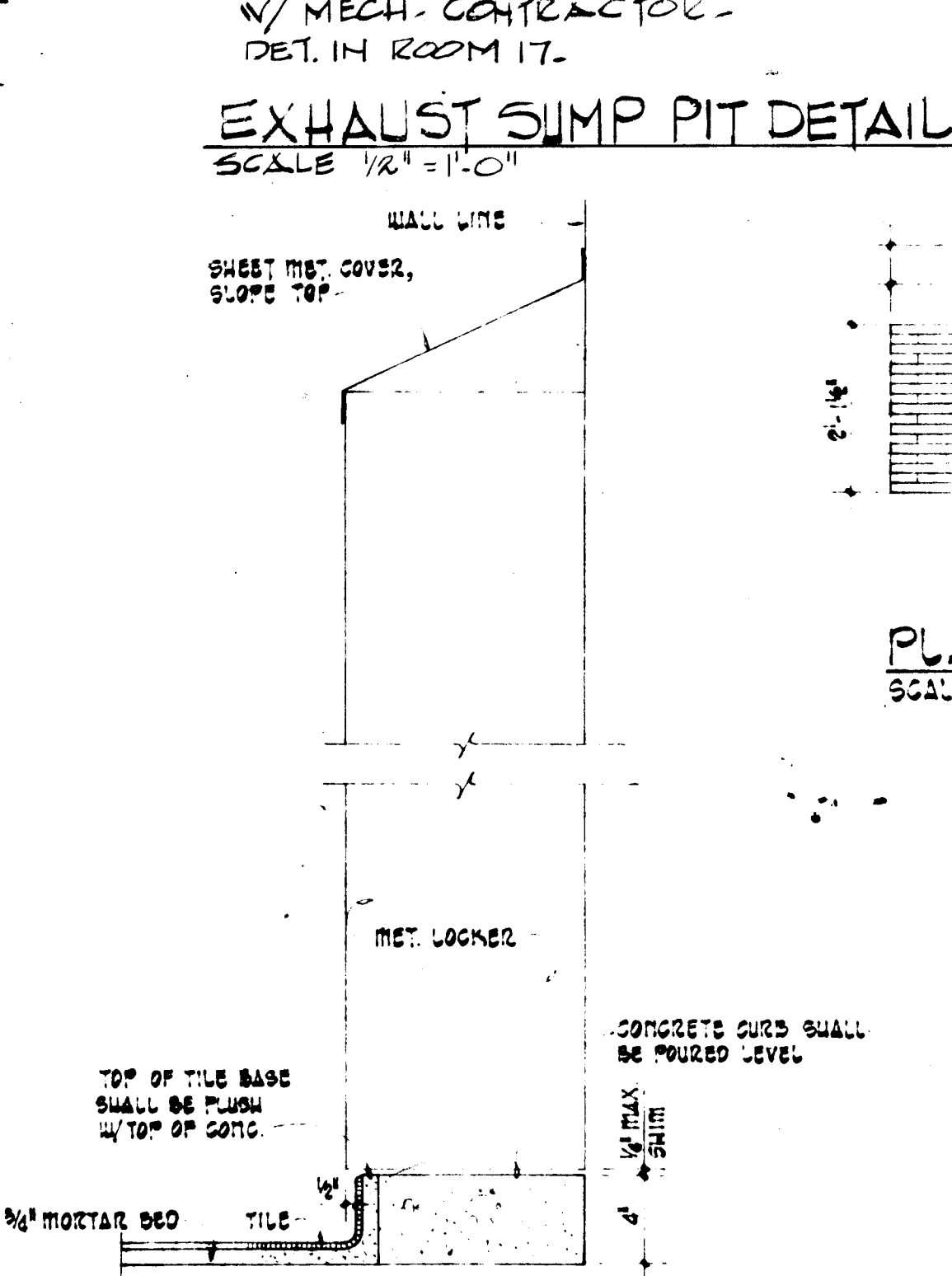
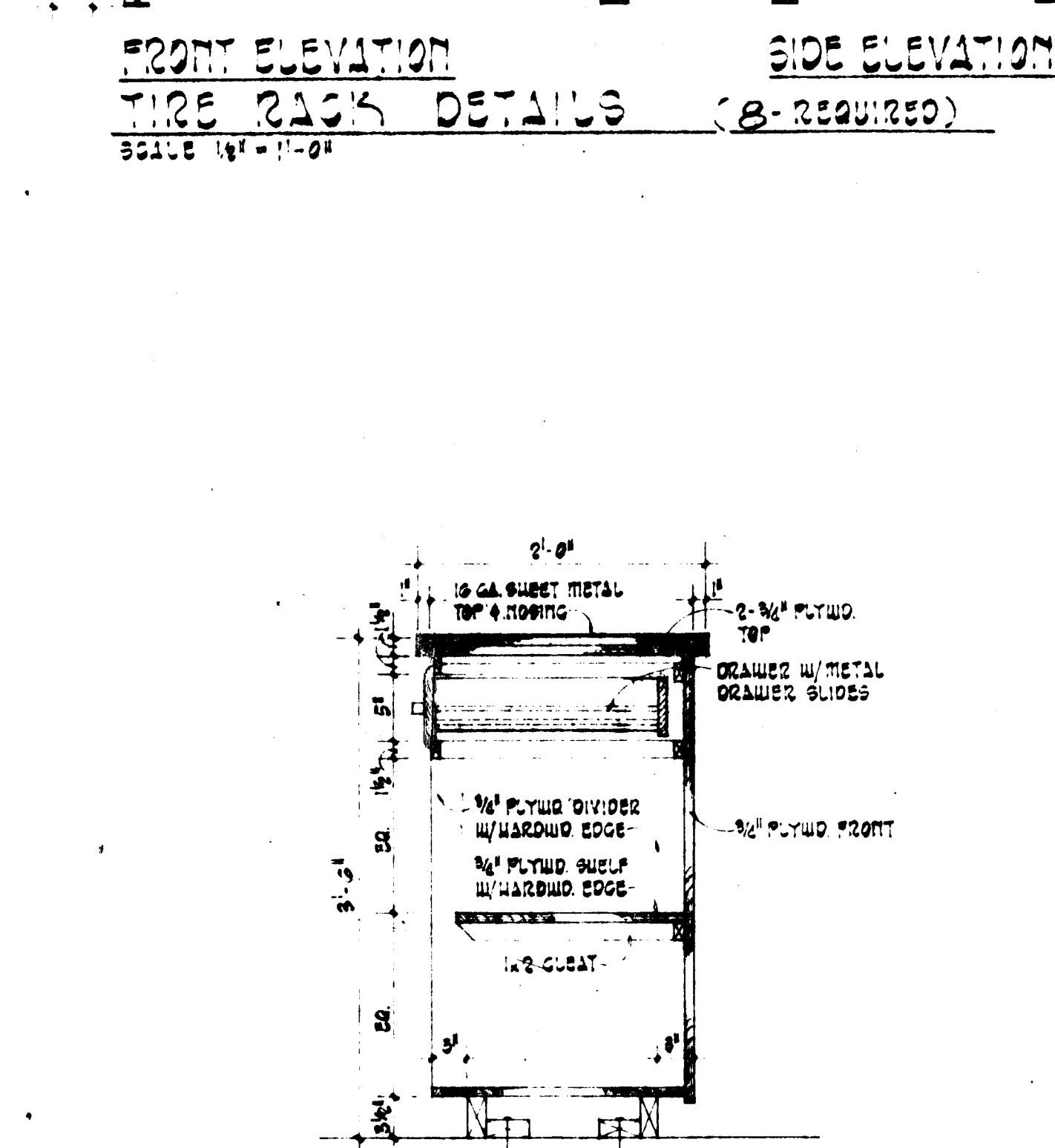
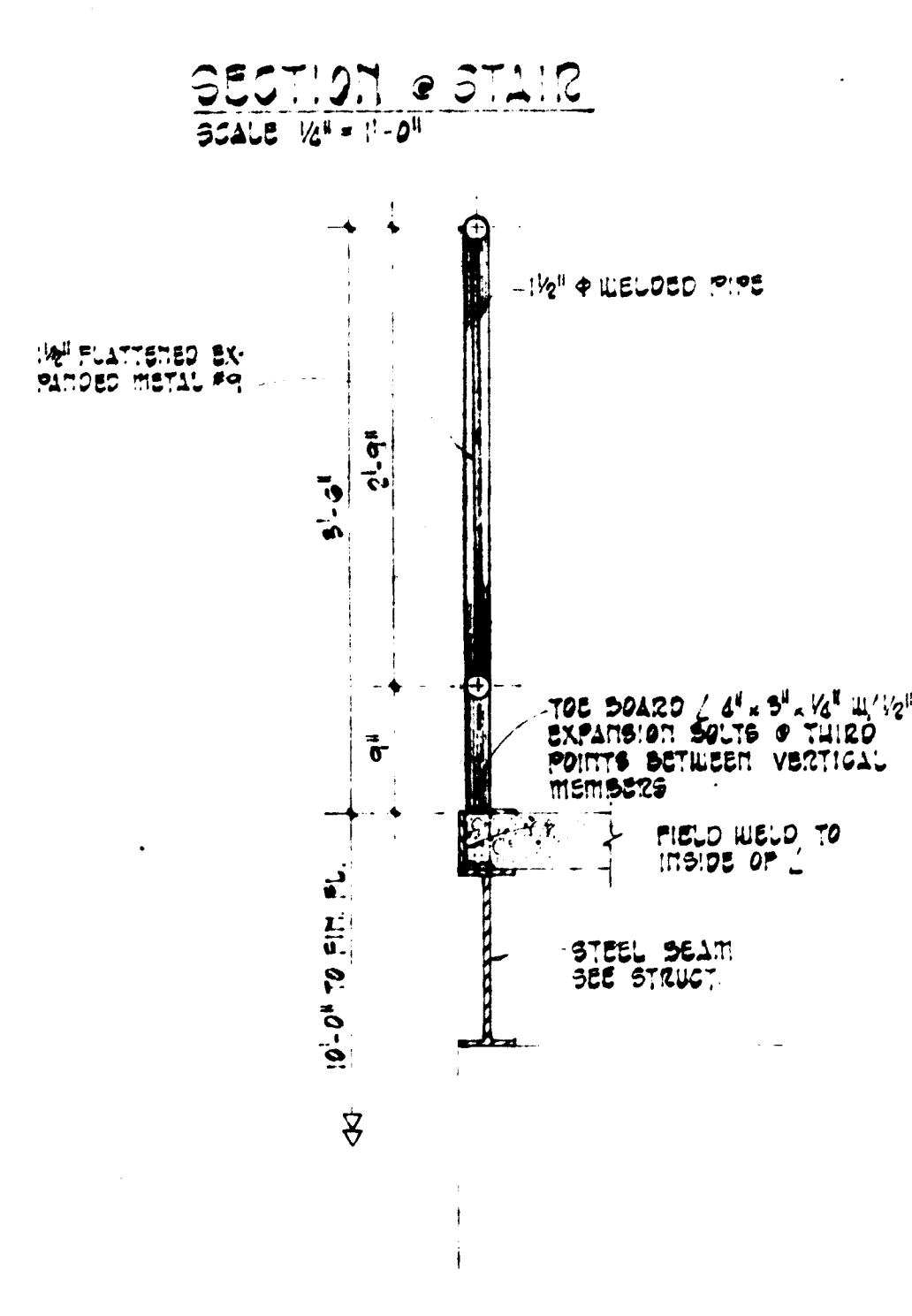
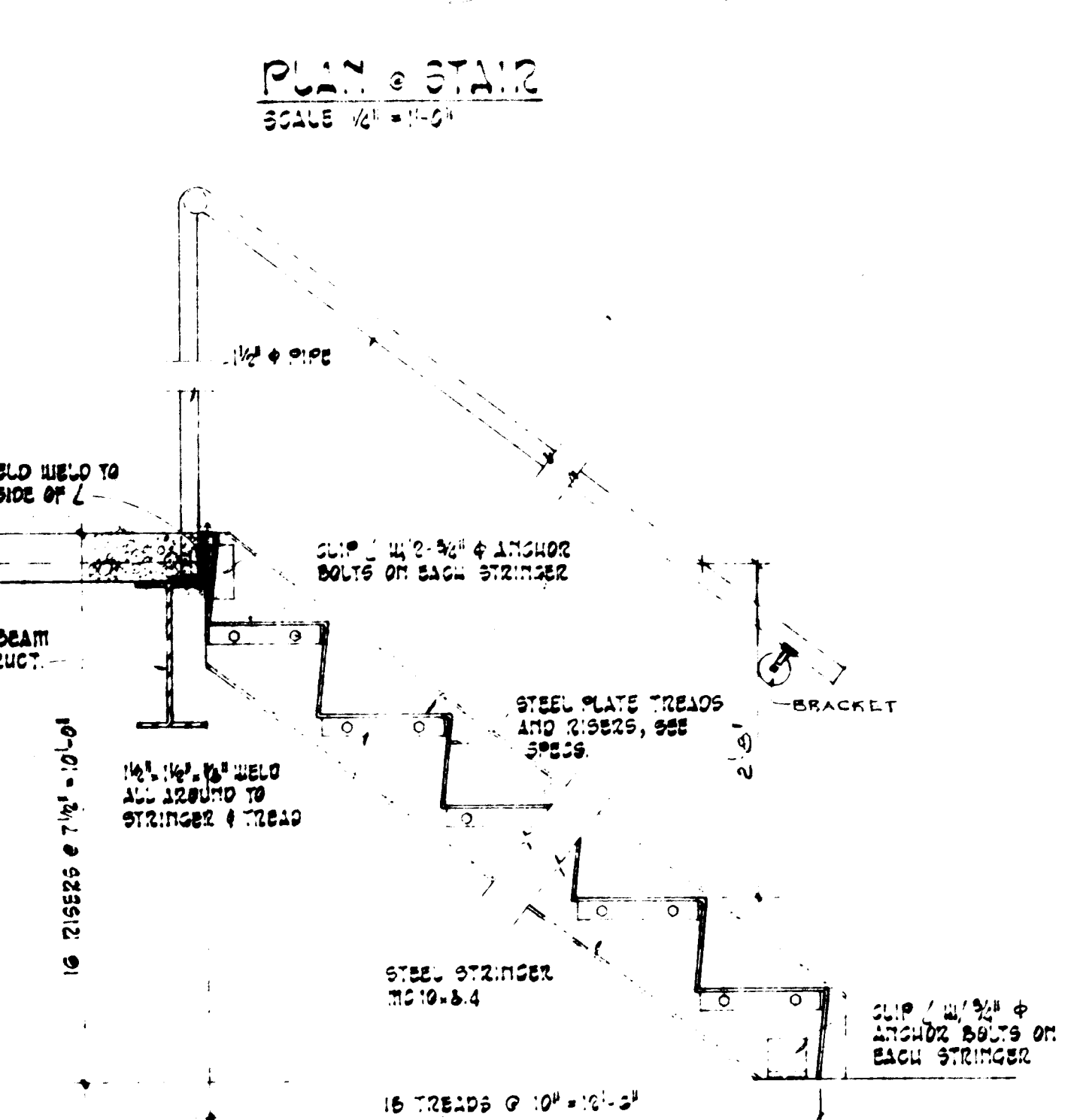
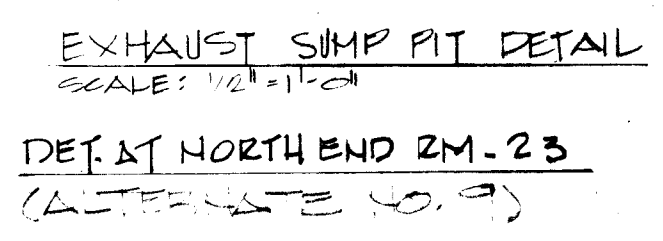
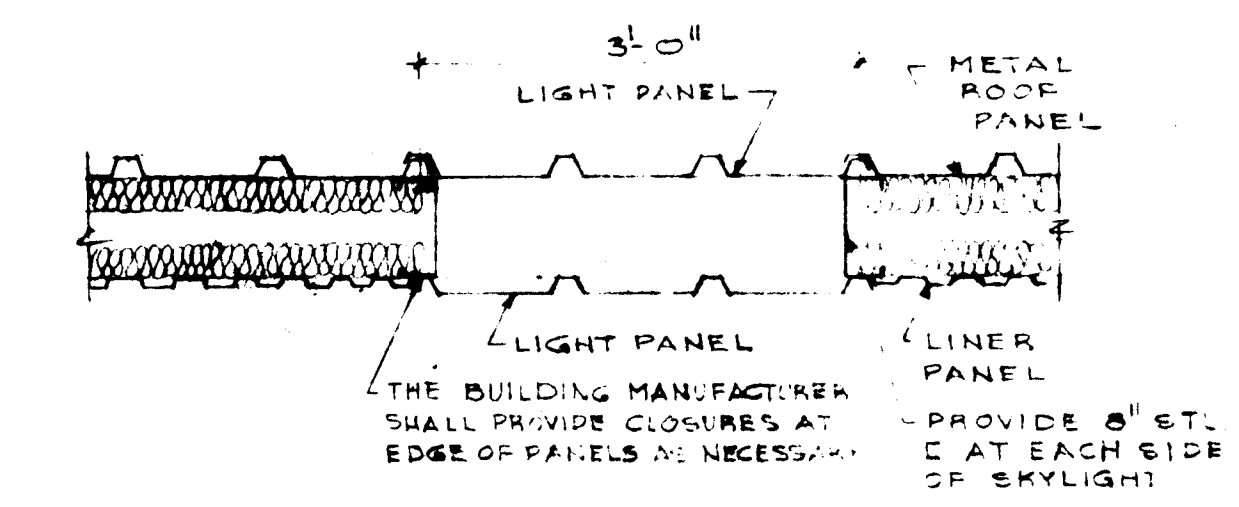
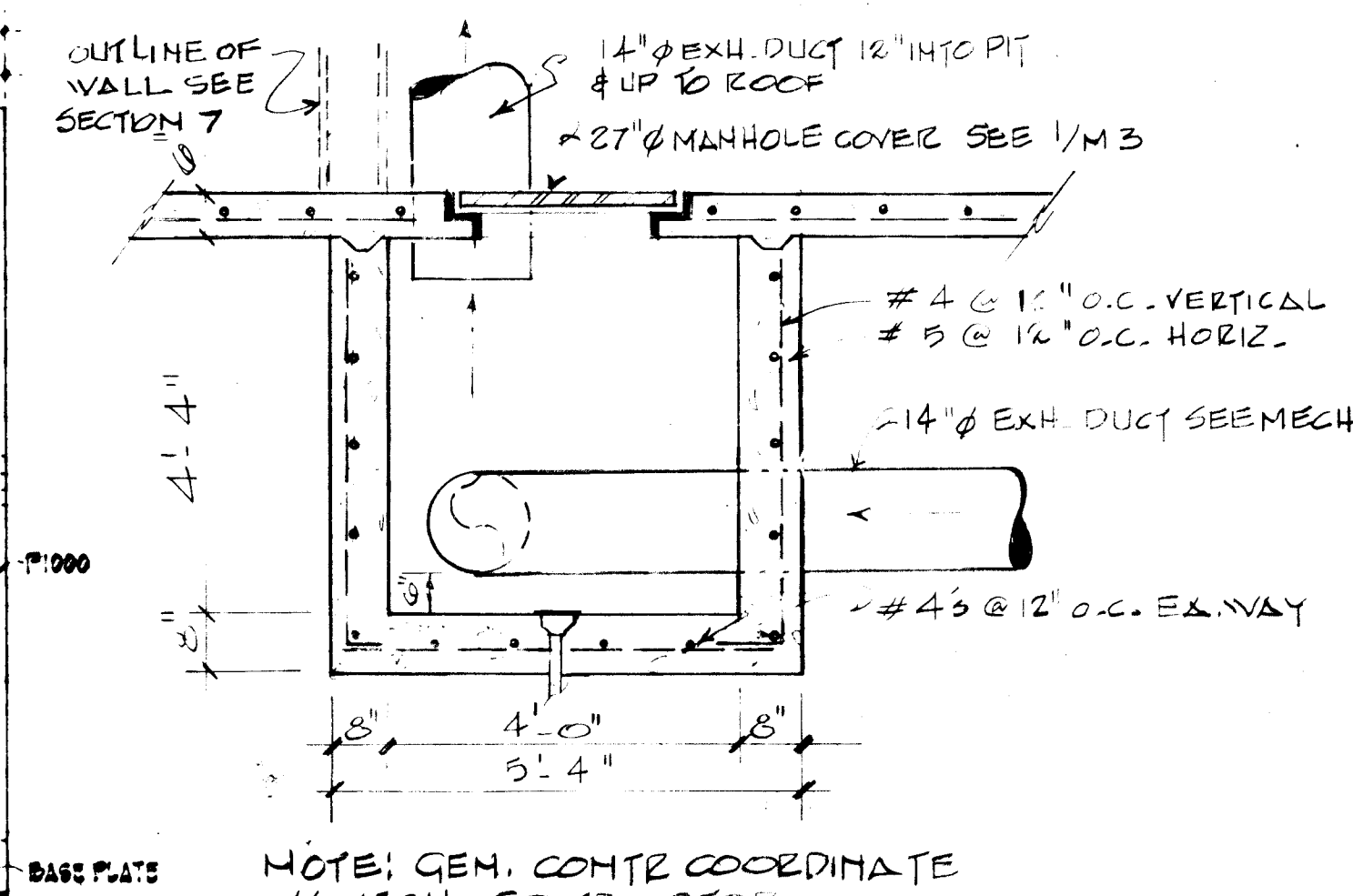
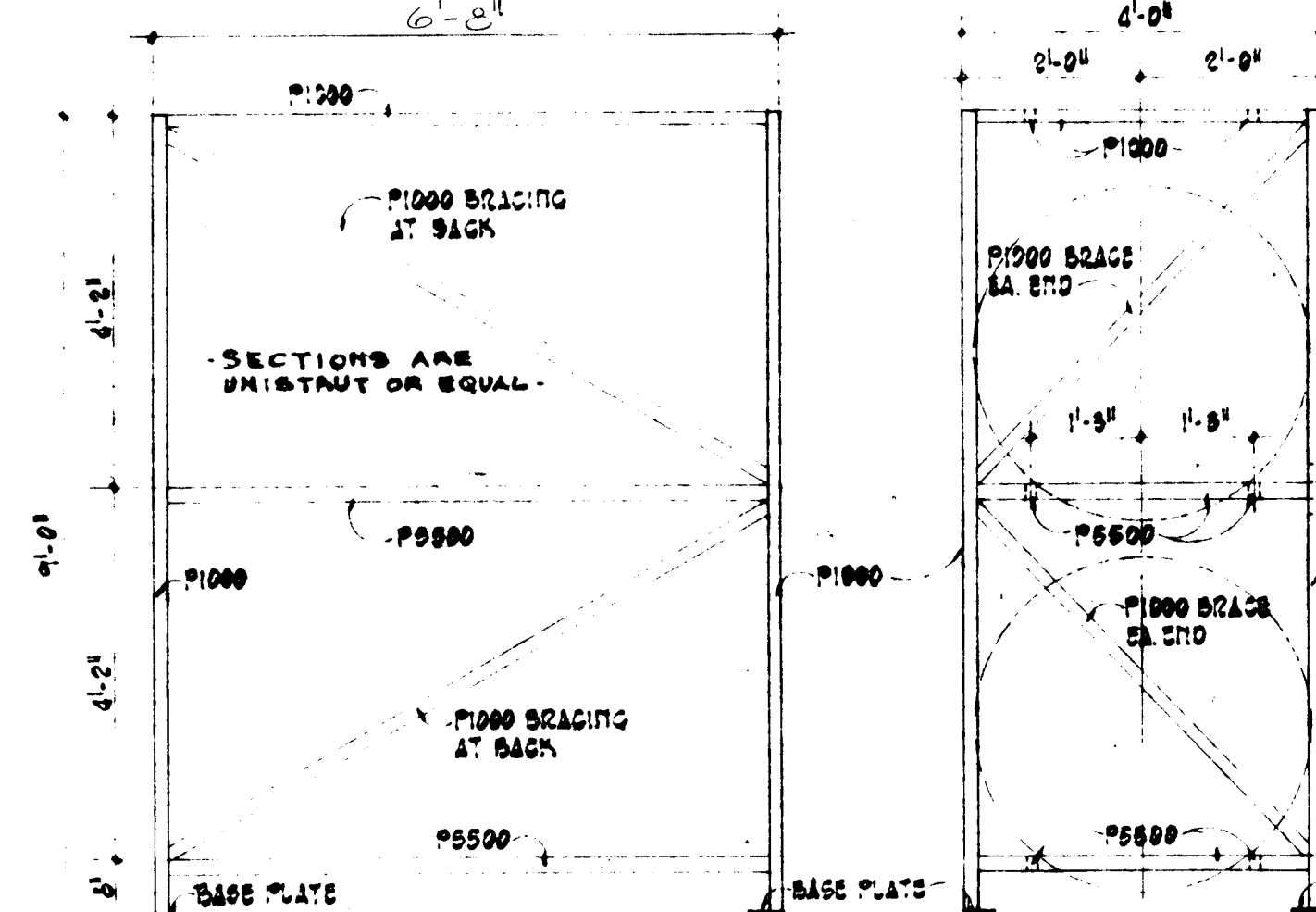
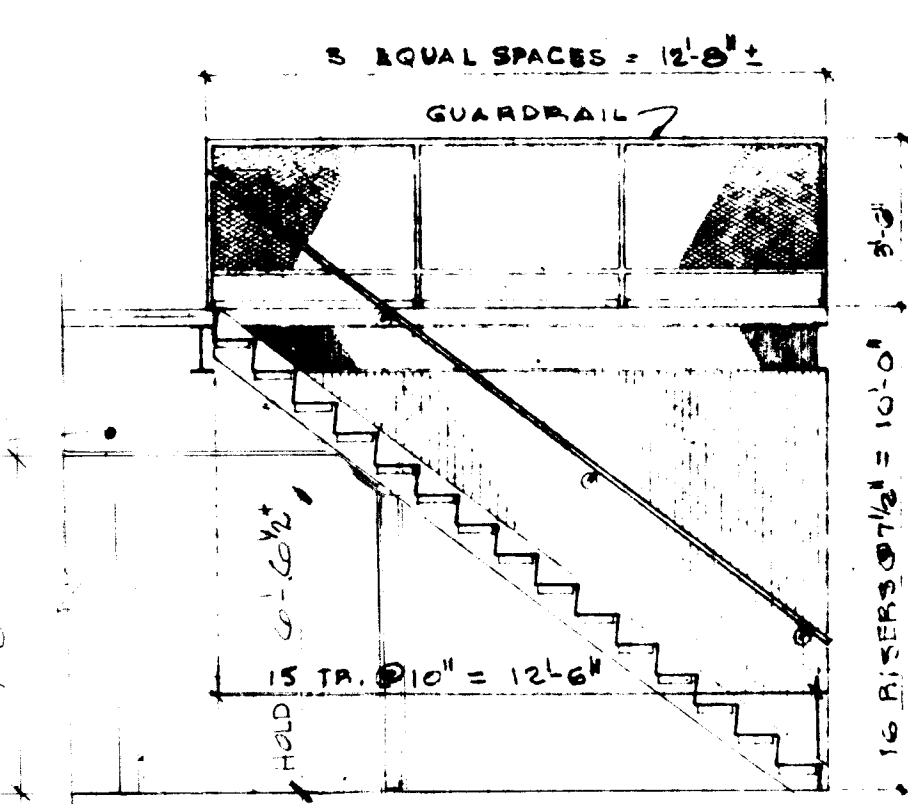
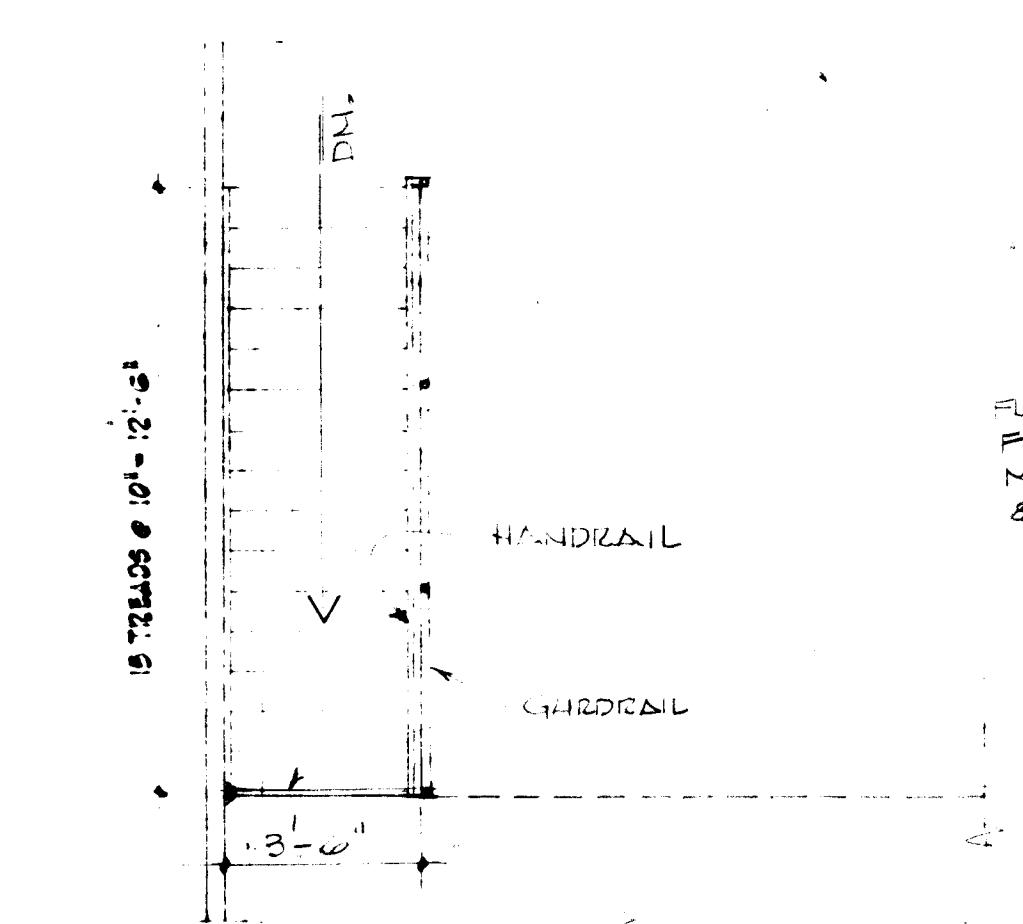
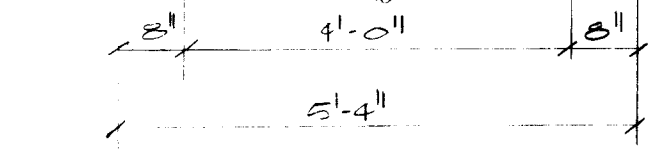
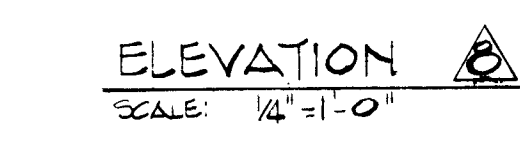
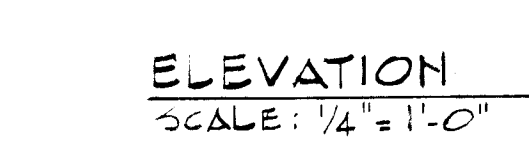
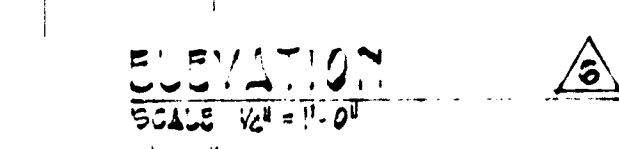
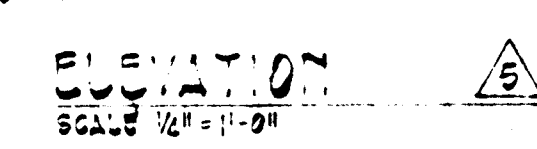
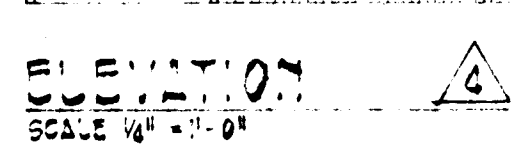
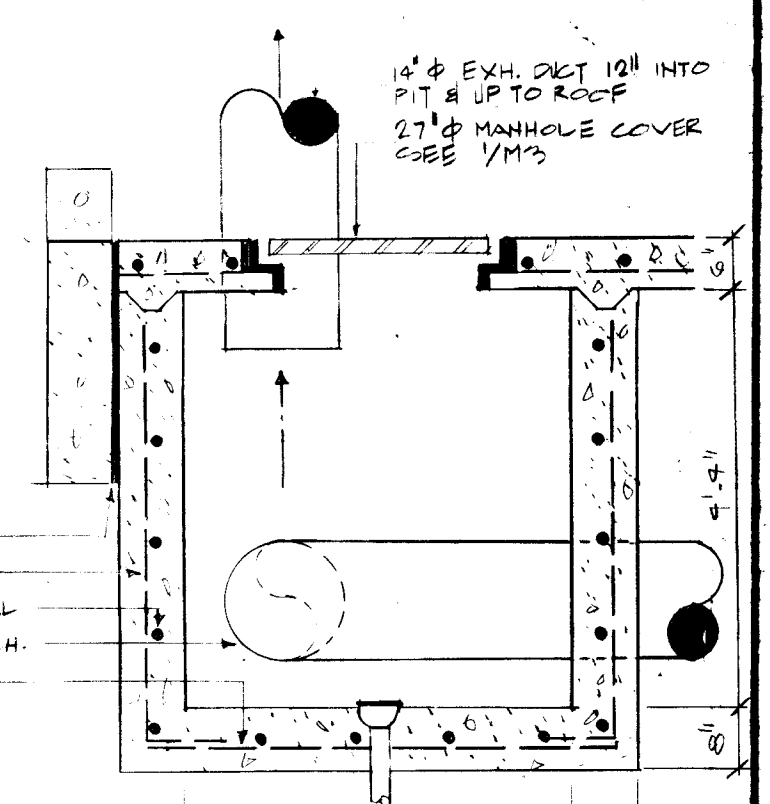
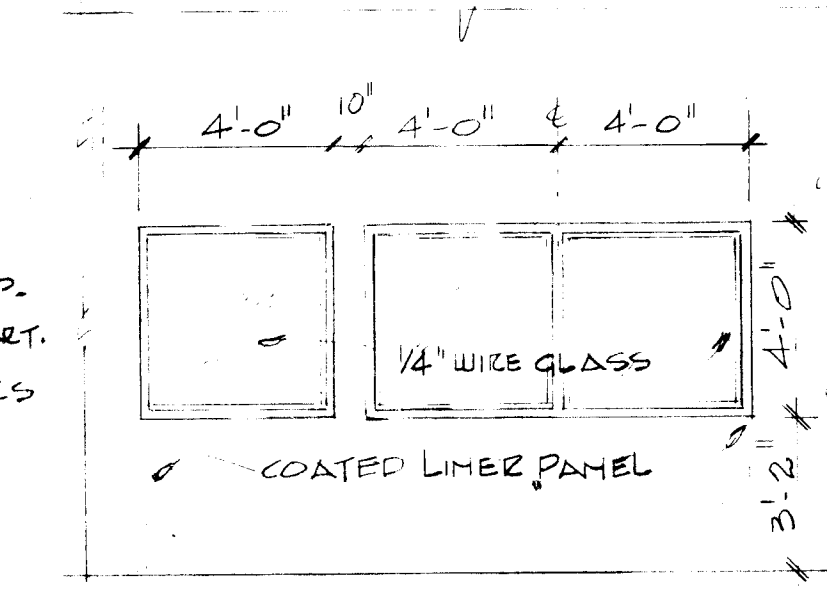
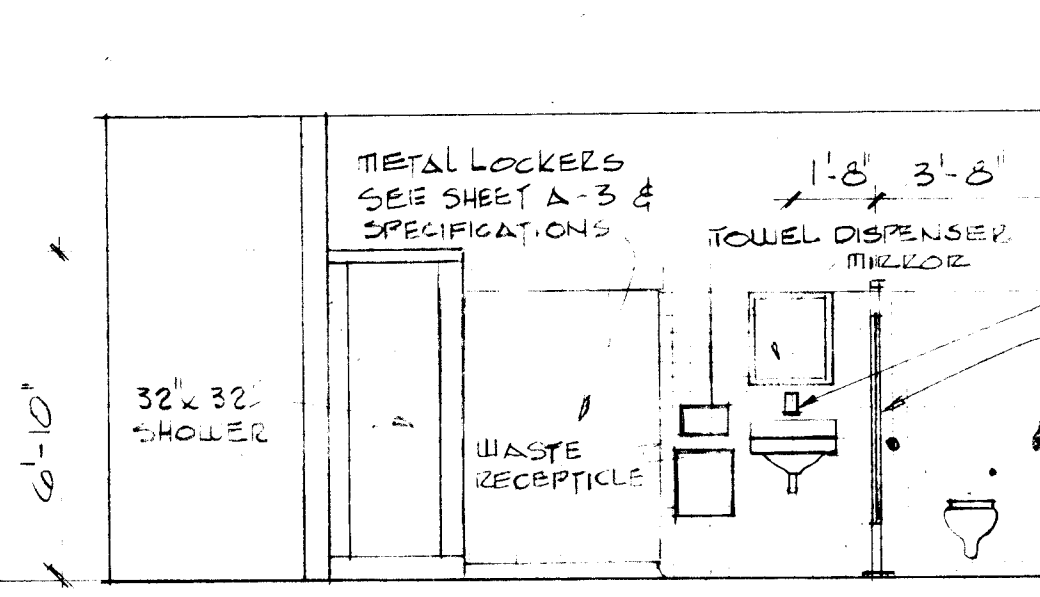
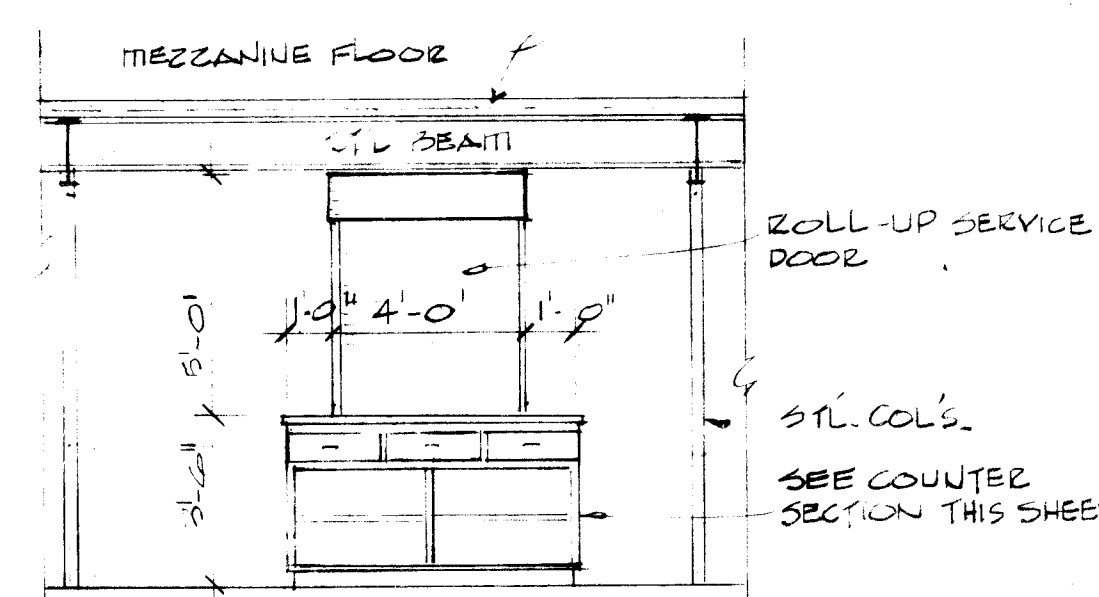
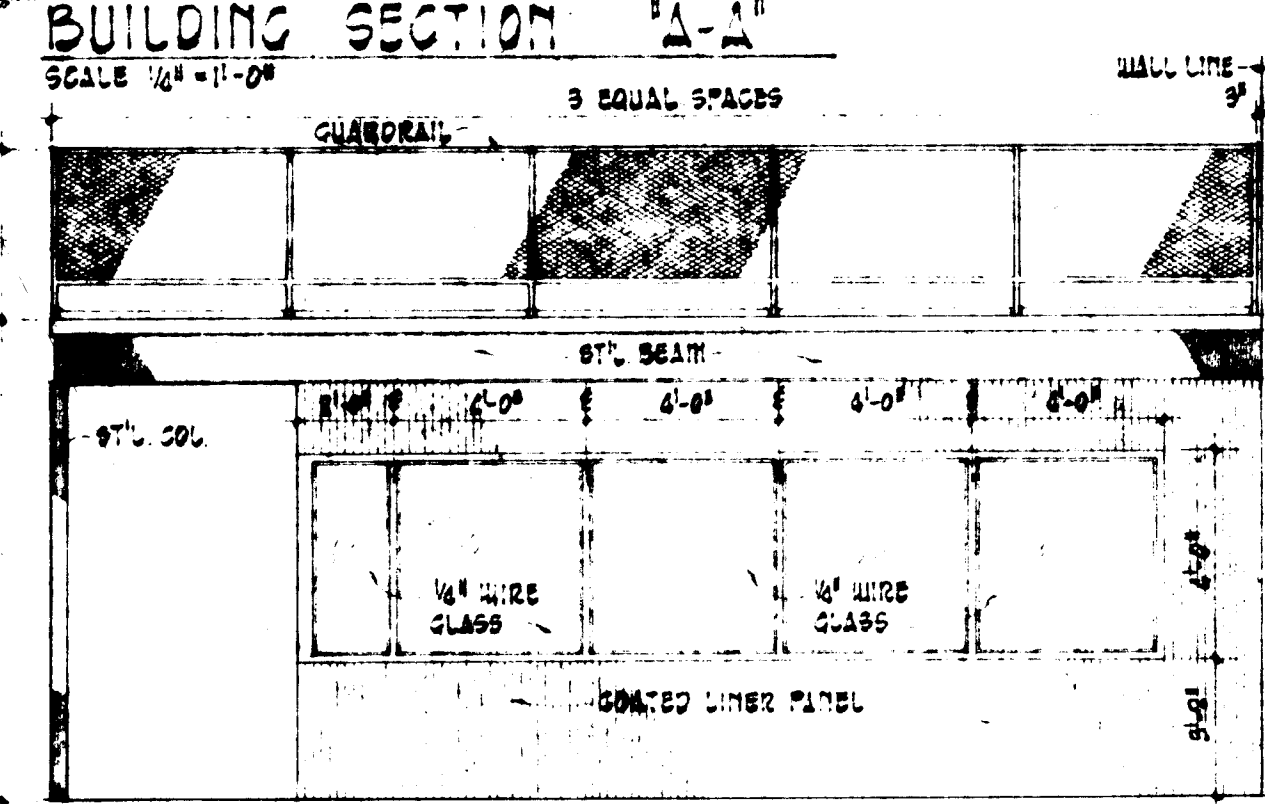
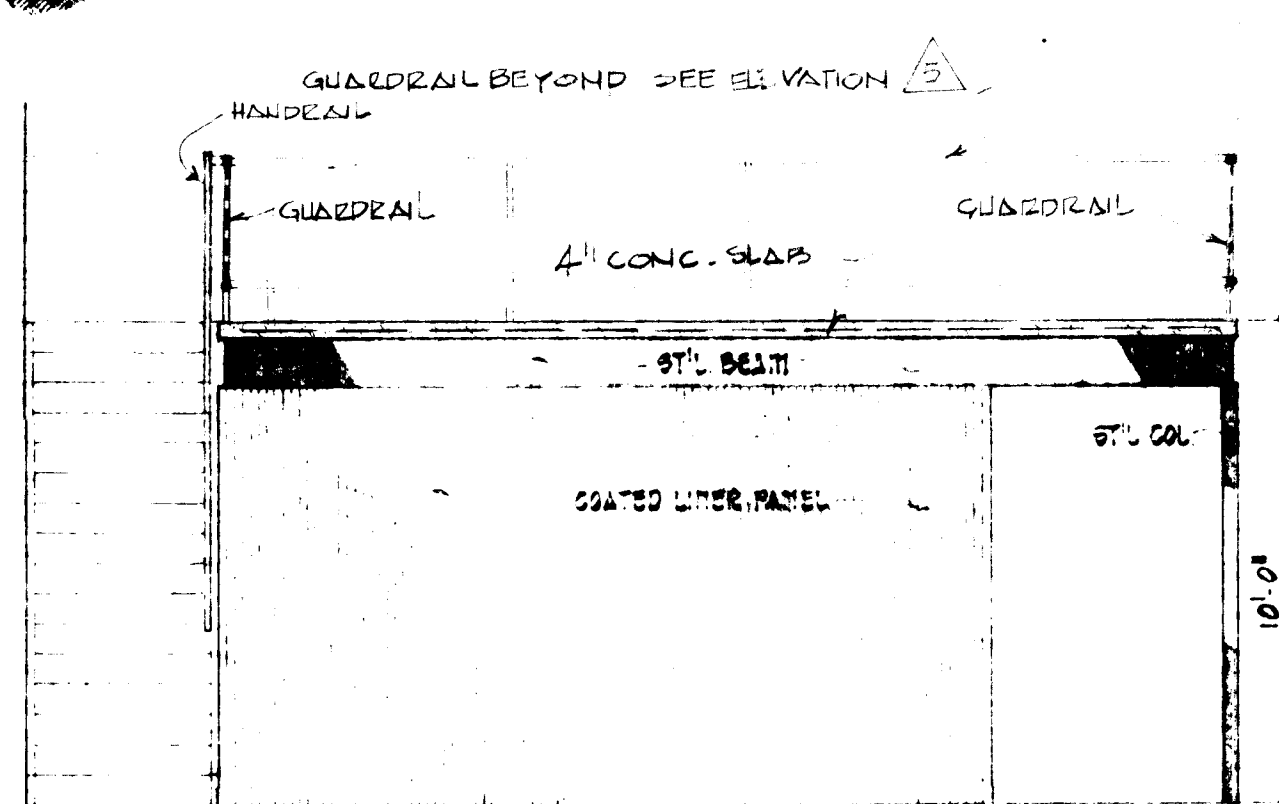
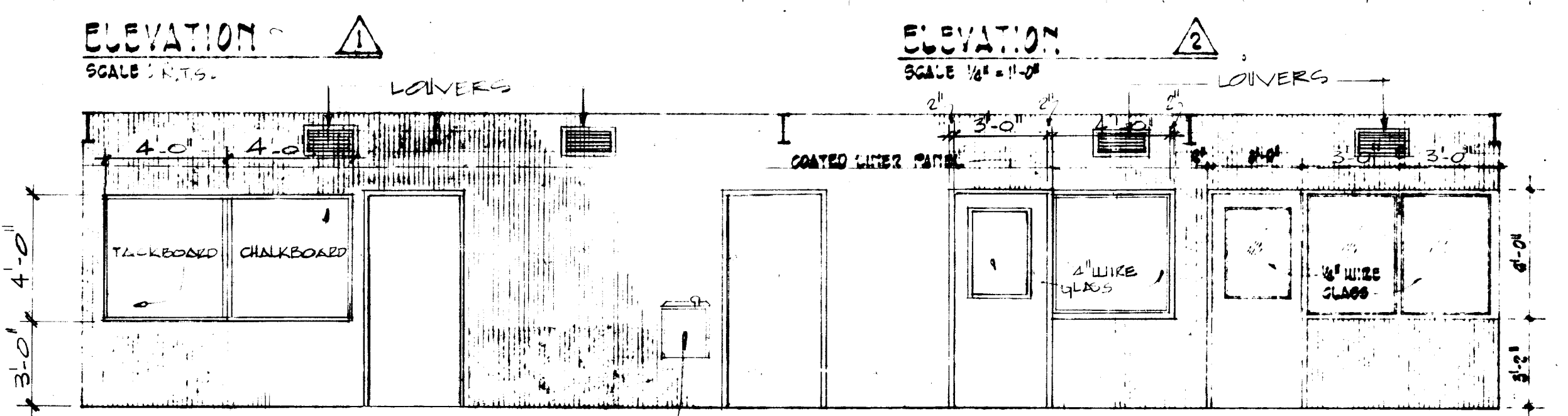
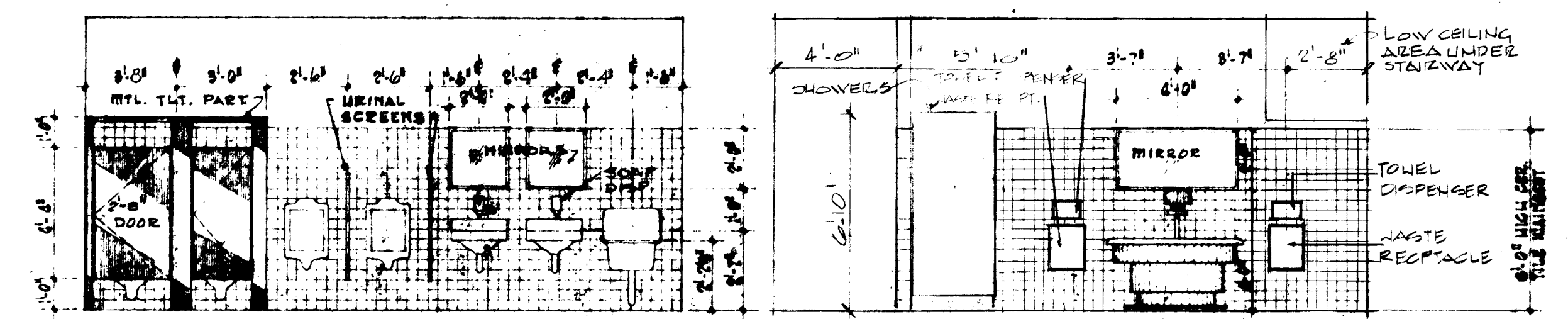
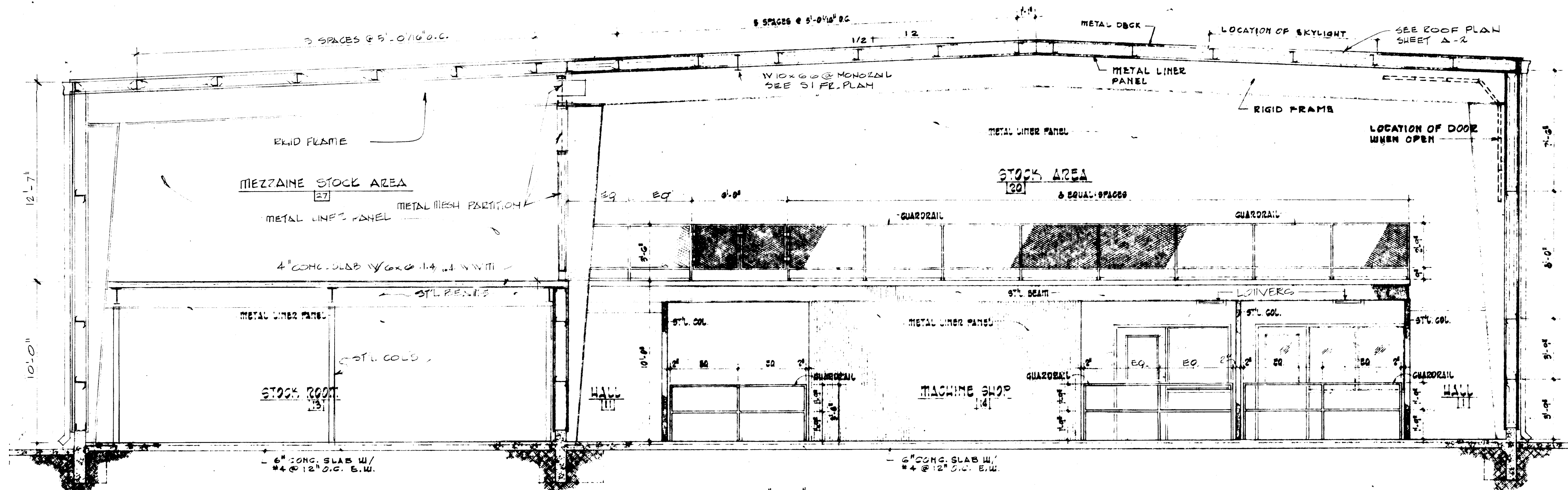


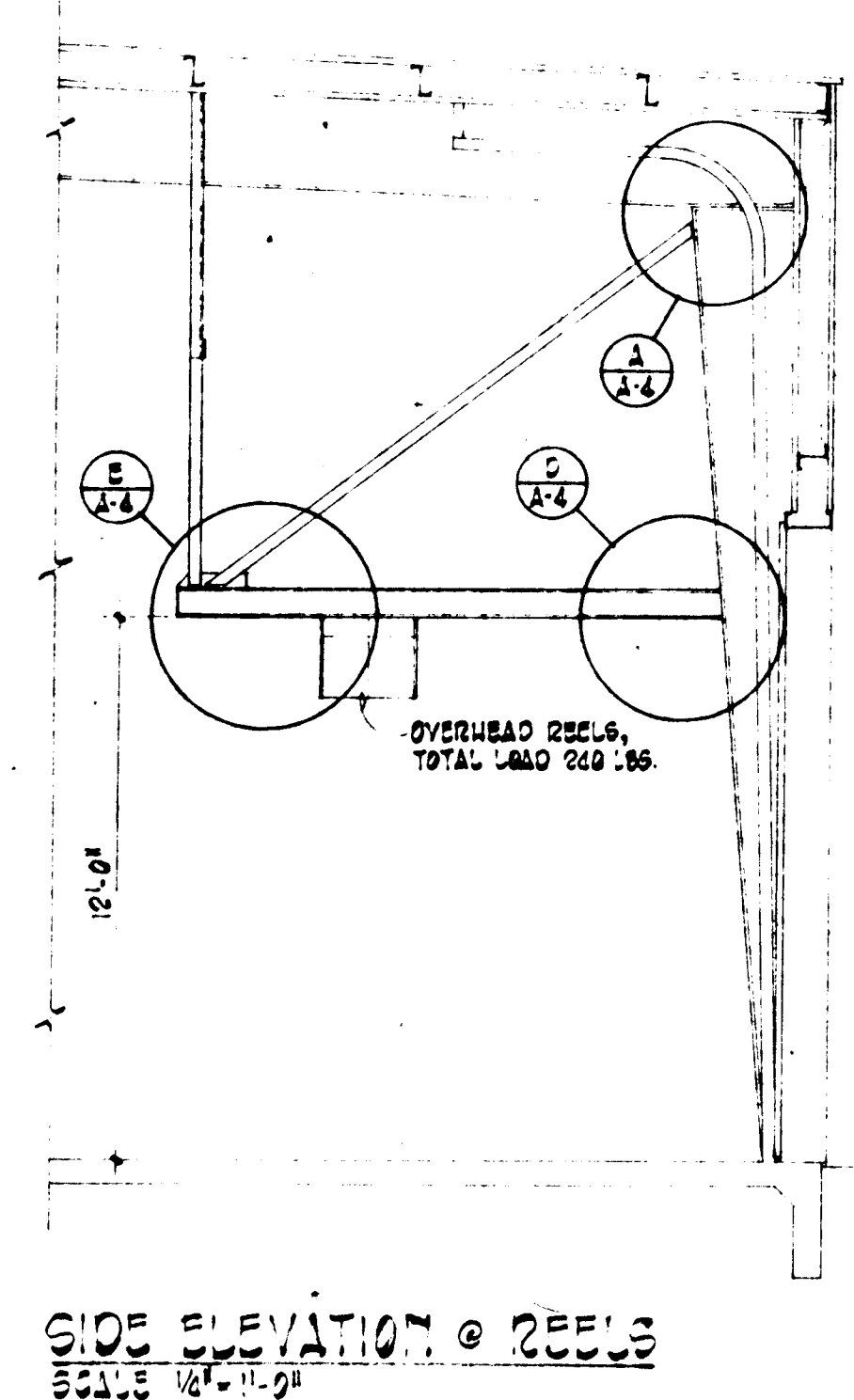
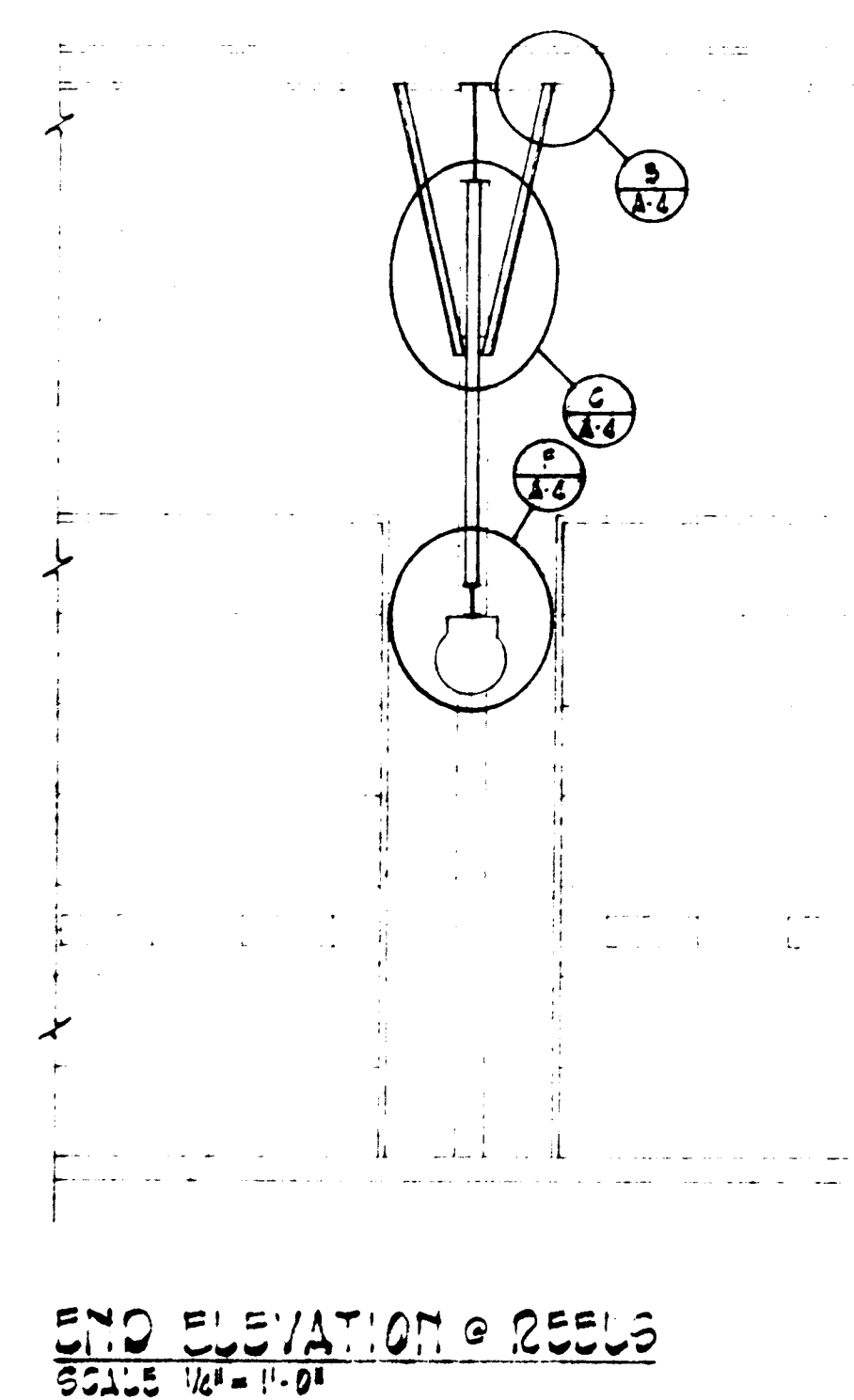
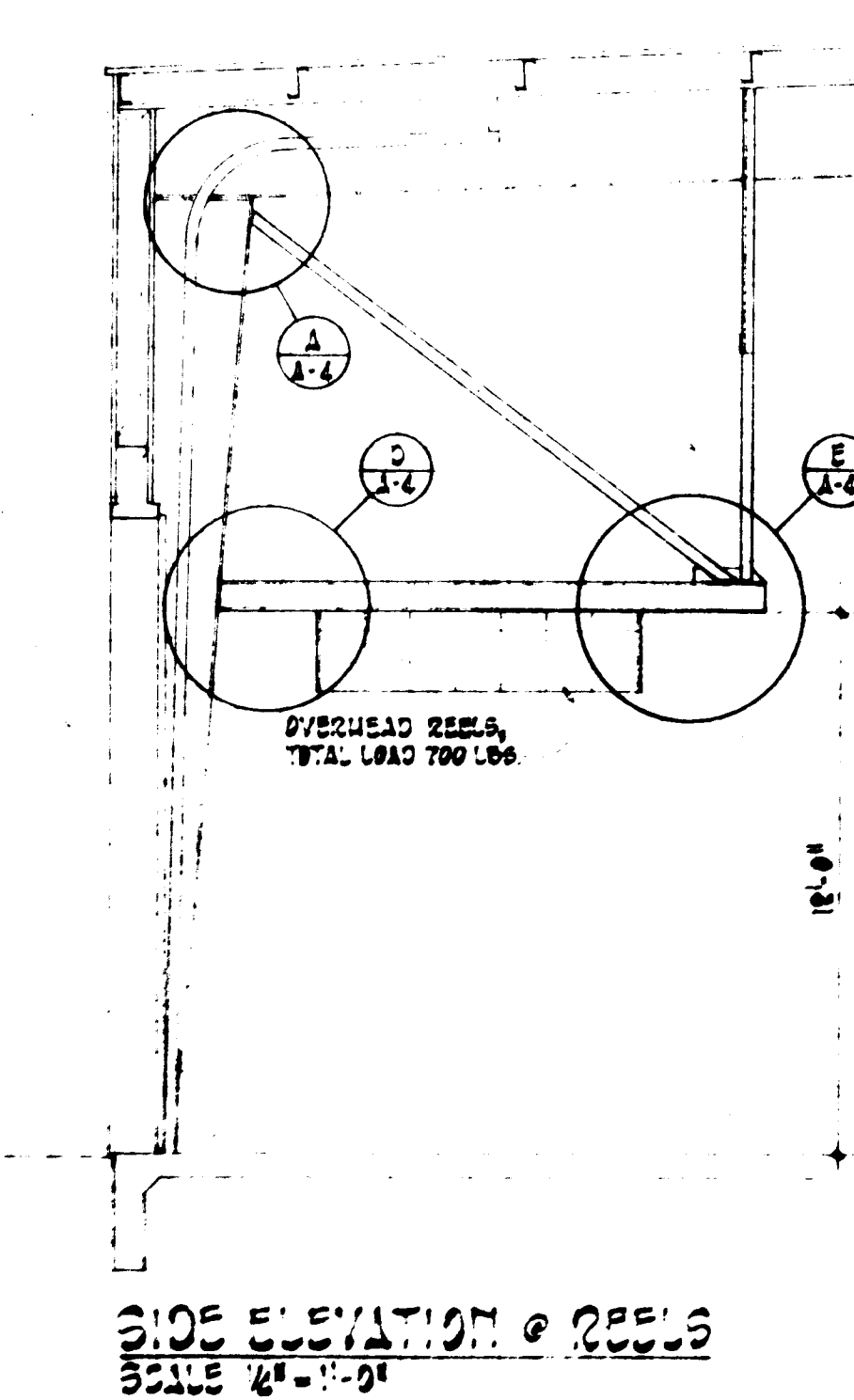
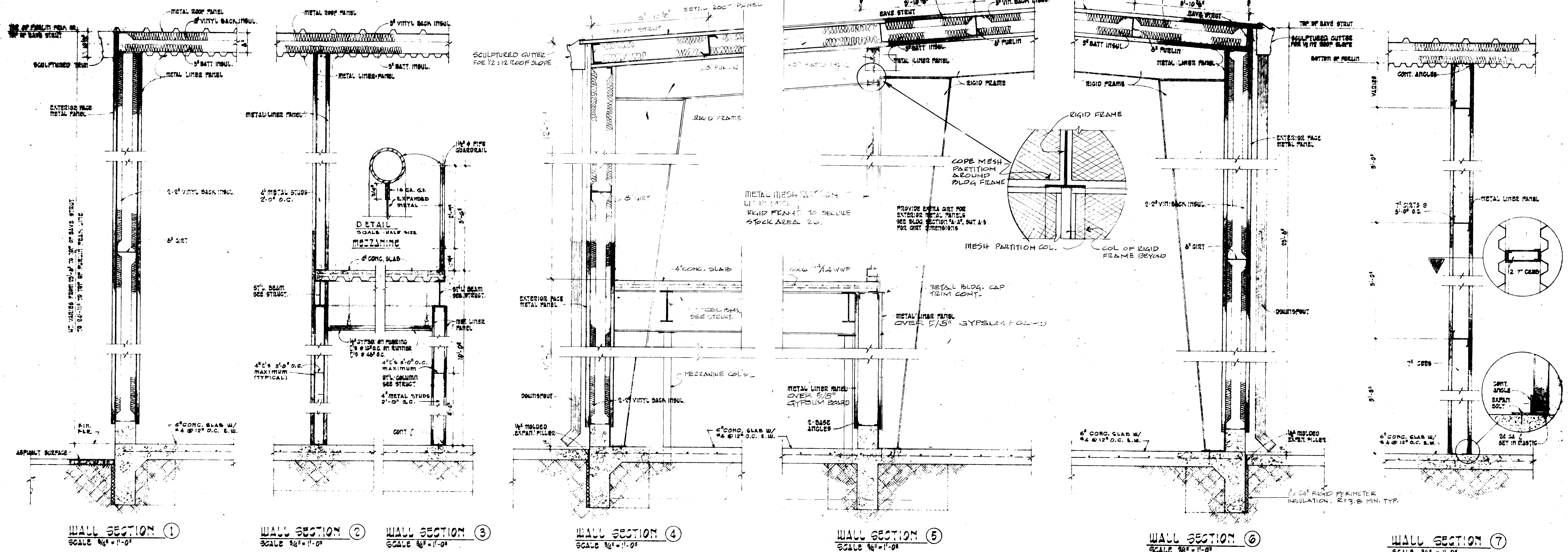


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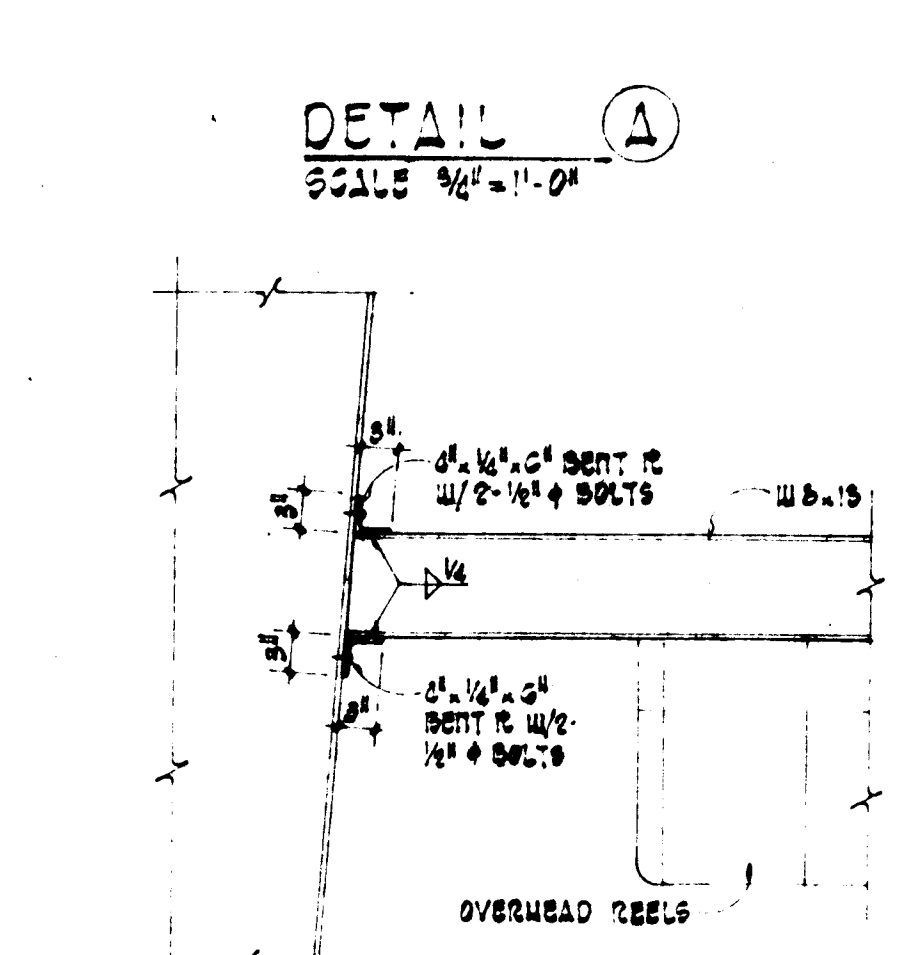
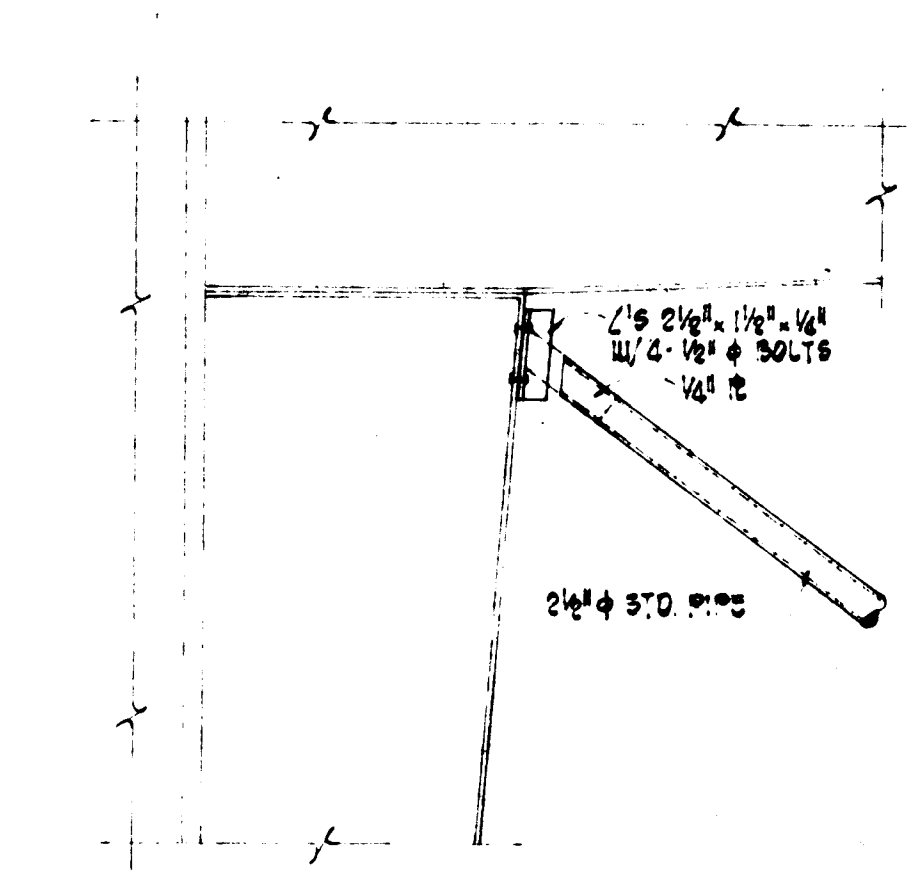
TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE
ALBUQUERQUE, NEW MEXICO

DESIGNED BY C.M.	TITLE EXTERIOR ELEVATIONS	SHEET NO. A-2
CHECKED BY M.D.M.		
DATE 9-17-81		
JOB NO. 7901	REVISIONS	OF 7

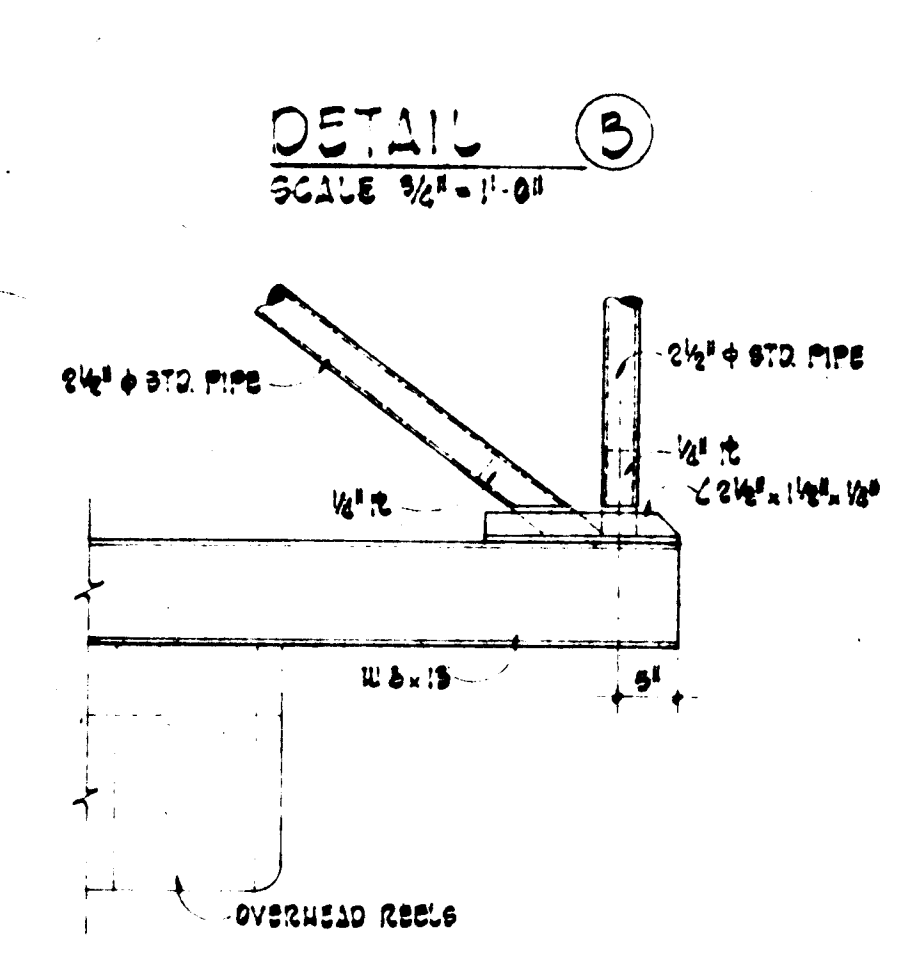
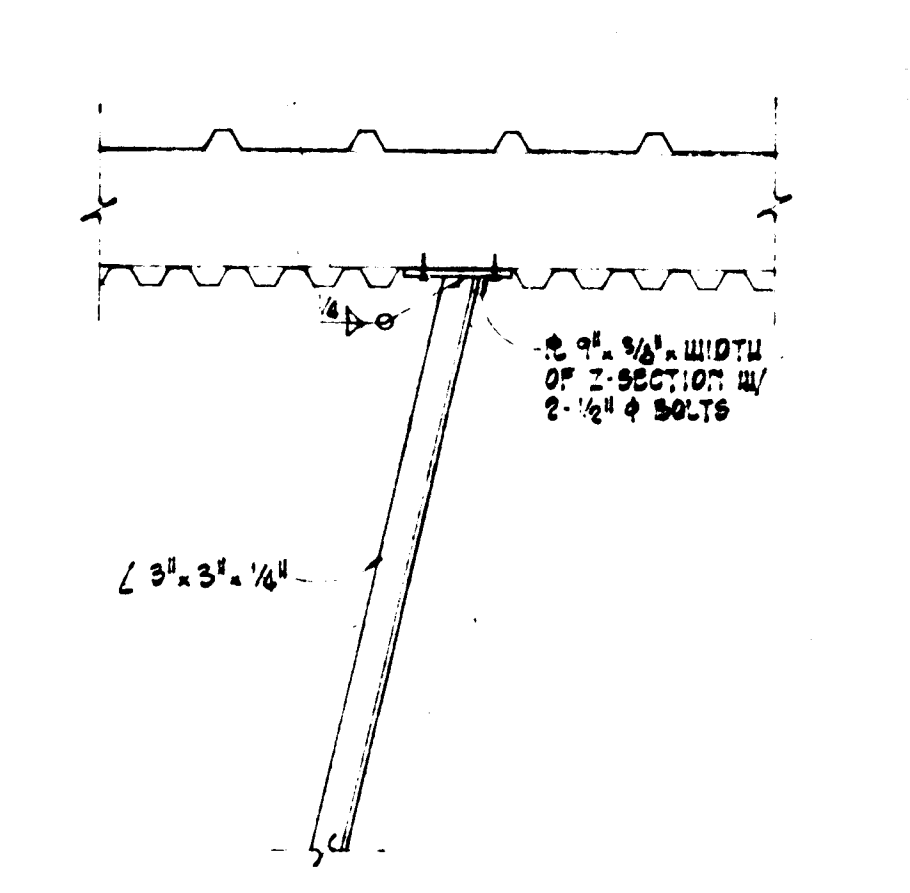




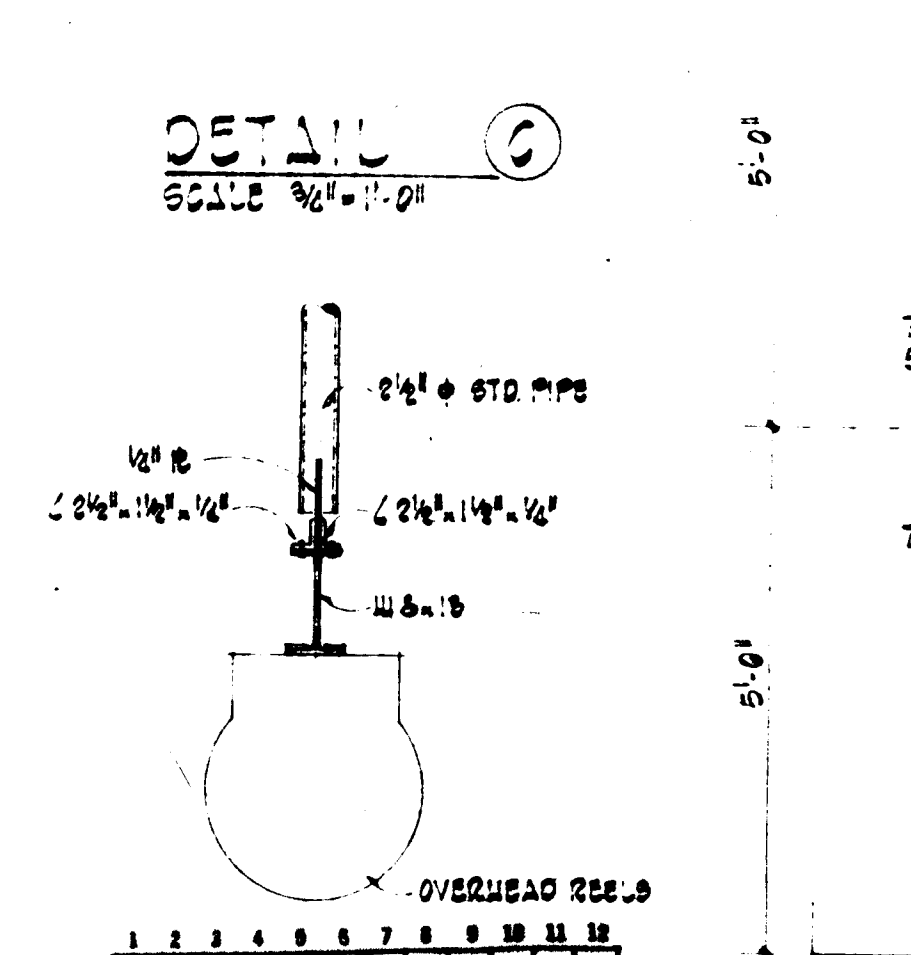
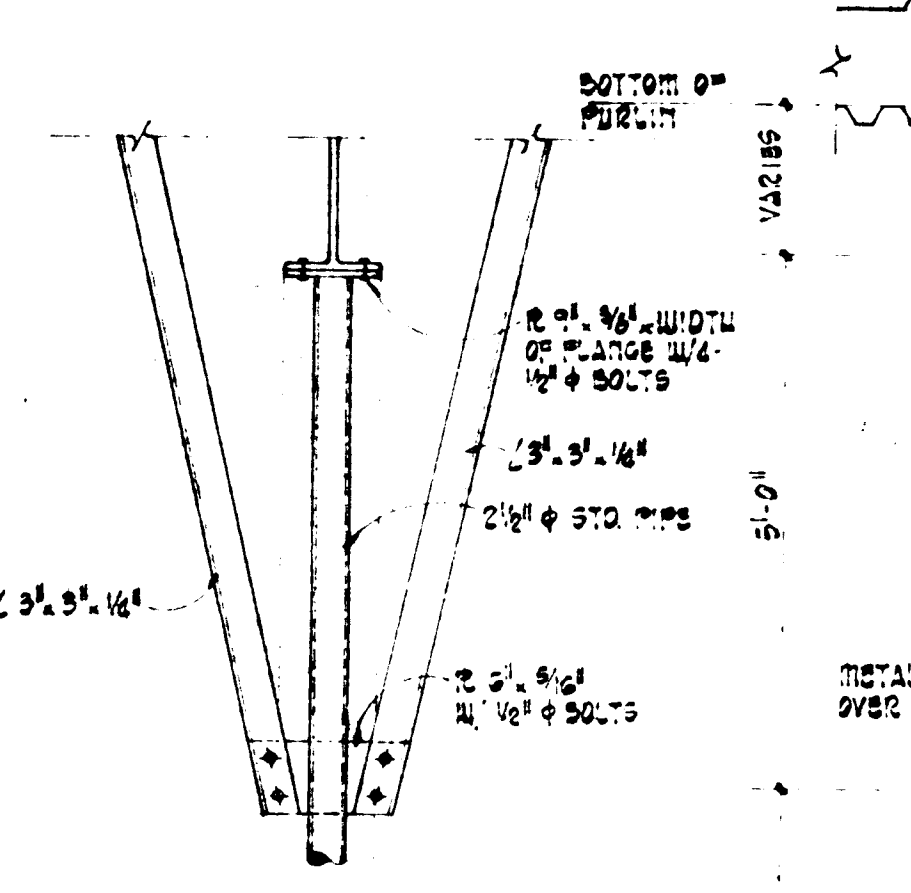
OVERHEAD REBAR SUPPORT DETAILS



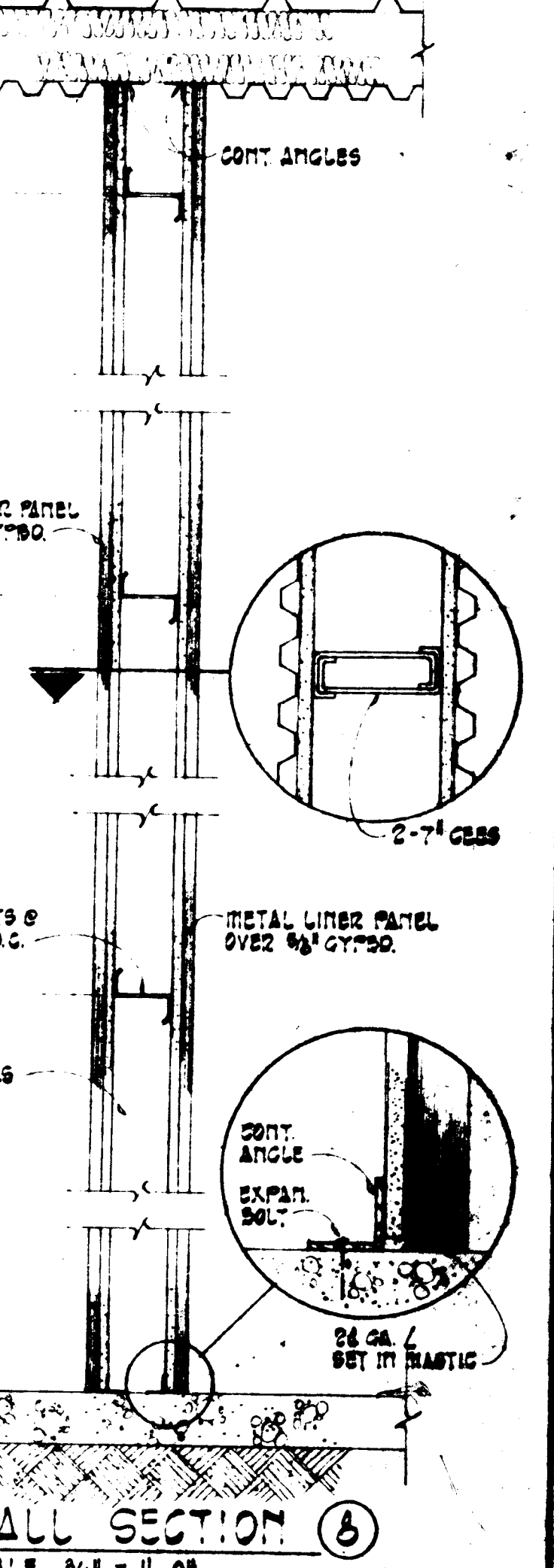
DETAIL C



DETAIL F



DETAIL I



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610 GOLD SW SUITE 222
ALBUQUERQUE, NEW MEXICO

TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE
ALBUQUERQUE, NEW MEXICO

WALL SECTIONS & DETAILS

SHEET NO.
A-4

DATE
9-17-81
JOB NO.
7901

REVISIONS

OF 7

DOOR FRAME DETAILS SCALE 1 1/2" = 1'-0"

ABBREVIATIONS

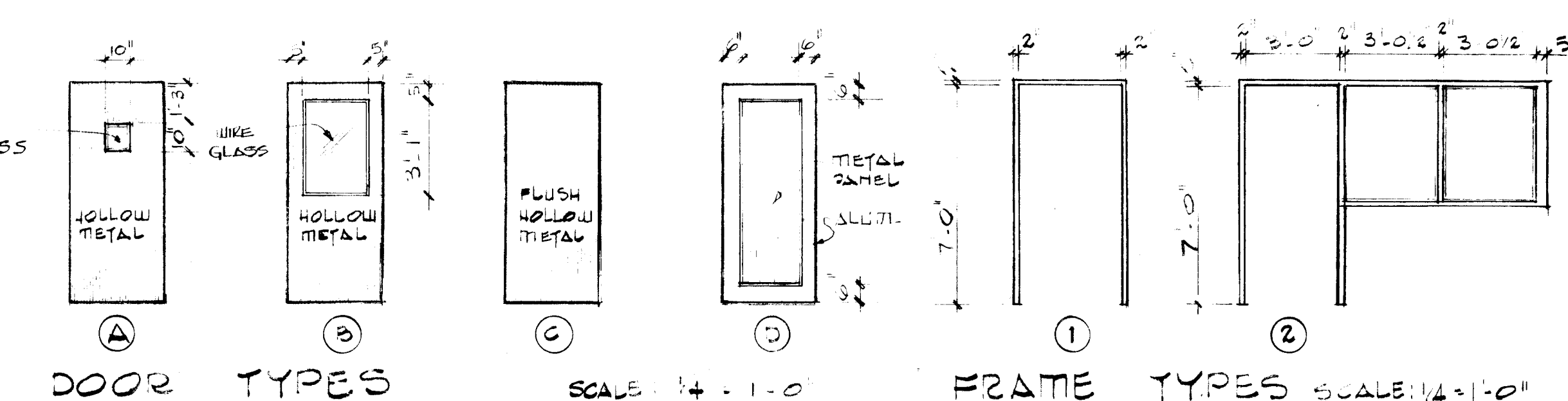
H.M.	HOLLOW METAL
O.H.S.	OVERHEAD STEEL
S.B.M.	STEEL BUILDING MFR

DOOR SCHEDULE

DOOR NO.	DOOR SIZE	MATERIAL	DOOR TYPE	FRAME TYPE	DETAILS				L.C.C.	HARDWARE	THRESHOLD	REMARKS
					HEAD	JAMB	SILL	MULLION				
1	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					ALTERNATE 1
2	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					
3	3'-0" x 7'-0" x 1/4"	U.M.	G	S.B.M.	S.B.M.	S.B.M.	S.B.M.					
4	3'-0" x 7'-0" x 1/4"	U.M.	G	S.B.M.	S.B.M.	S.B.M.	S.B.M.					
5	3'-0" x 3'-0"	METAL	ROLL-UP	S.B.M.	1	2	3					
6	2'-3'-0" x 3'-0" x 1/4"	U.M.	G	S.B.M.	S.B.M.	S.B.M.	S.B.M.					
7	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					MAIN DOOR - SEE FLOOR PLAN
8	3'-0" x 16'-0"	METAL	G	S.B.M.	25,26	27	28					
9	3'-0" x 3'-0" x 1/4"	METAL	SLIDING	S.B.M.	57	58, 59	10		8			1-HOUR LABELED CONST.
10	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					
11	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					
12	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					
13	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					
14	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					
15	3'-0" x 7'-0" x 1/4"	U.M.	A	S.B.M.	S.B.M.	S.B.M.	S.B.M.					
16	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					
17	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					
18	3'-0" x 7'-0" x 1/4"	ALUM.	G									SEE SPECIFICATIONS
19	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					MAIN DOOR - SEE FLOOR PLAN
20	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					ALTERNATE 1
21	3'-0" x 3'-0"	METAL	SLIDING	S.B.M.	7	8, 9	10					
22	3'-0" x 7'-0" x 1/4"	U.M.	B	2	11	12, 13	14					
23	3'-0" x 7'-0" x 1/4"	U.M.	B	2	11	12, 13	14					
24	3'-0" x 7'-0" x 1/4"	U.M.	C	1	15	16	14					
25	3'-0" x 7'-0" x 1/4"	U.M.	C	1	16	15	14					
26	3'-0" x 3'-0" x 1/4"	METAL	SLIDING	S.B.M.	7	9	10					
27	3'-0" x 7'-0" x 1/4"	U.M.	C	1	17	16	14					
28	4'-0" x 4'-0"	METAL	SLIDING	S.B.M.	1	2	3					
29	3'-0" x 3'-0" x 1/4"	METAL	SLIDING	S.B.M.	4	5	6					
30	3'-0" x 3'-0" x 1/4"	METAL	SLIDING	S.B.M.	21	22, 23	10					
31	3'-0" x 3'-0" x 1/4"	METAL	SLIDING	S.B.M.	21	22, 23	10					
32	3'-0" x 3'-0" x 1/4"	U.M.	C	1	19	20	14					1-HOUR LABELED CONST.
33	3'-0" x 7'-0" x 1/4"	U.M.	C	1	19	20	14					1-HOUR LABELED CONST.
34	3'-0" x 7'-0" x 1/4"	U.M.	A	1	19	20	14					
35	3'-0" x 7'-0" x 1/4"	U.M.	A	1	19	20	14					
36	3'-0" x 7'-0" x 1/4"	U.M.	C	1	19	20	14					
37	16'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					
38	3'-0" x 7'-0" x 1/4"	U.M.	G	S.B.M.	S.B.M.	S.B.M.	S.B.M.					12"x6" LOUVER - TOP & BOT.
39	3'-0" x 3'-0" x 1/4"	METAL	SLIDING	S.B.M.	37	38, 39	10		8			1-HOUR LABELED CONST.
40	3'-0" x 7'-0" x 1/4"	U.M.	A	S.B.M.	S.B.M.	S.B.M.	S.B.M.					
41	3'-0" x 7'-0" x 1/4"	U.M.	A	S.B.M.	S.B.M.	S.B.M.	S.B.M.					
42	3'-0" x 7'-0" x 1/4"	U.M.	A	S.B.M.	S.B.M.	S.B.M.	S.B.M.					
43	3'-0" x 7'-0" x 1/4"	U.M.	A	S.B.M.	S.B.M.	S.B.M.	S.B.M.					
44	12'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					WASH ZACK BLDG.
45	12'-0" x 16'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					WASH ZACK BLDG.
46	3'-0" x 7'-0" x 1/4"	U.M.	A	S.B.M.	S.B.M.	S.B.M.	S.B.M.					WASH ZACK BLDG.
47	3'-0" x 7'-0" x 1/4"	U.M.	C	S.B.M.	34	35	36		1			WASH ZACK BLDG.
48	16'-0" x 14'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					ALTERNATE 1
49	16'-0" x 14'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					ALTERNATE 1
50	16'-0" x 14'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					ALTERNATE 1
51	16'-0" x 14'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					ALTERNATE 1
52	16'-0" x 14'-0"	METAL	O.H.S.	S.B.M.	25,26	27	28					ALTERNATE 1
53	3'-0" x 7'-0" x 1/4"	U.M.	C	S.B.M.	S.B.M.	S.B.M.	S.B.M.					
54	3'-0" x 7'-0" x 1/4"	U.M.	C	S.B.M.	S.B.M.	S.B.M.	S.B.M.					1-HOUR LABELED CONST.
55	8'-0" x 3'-0" x 3/8"	U.M.	G	1	17	18	14		4			MEZZANINE FLOOR

NOTE: ALL GLAZING TO COMPLY WITH
FEDERAL REQUIREMENT OF G.D.P. 196

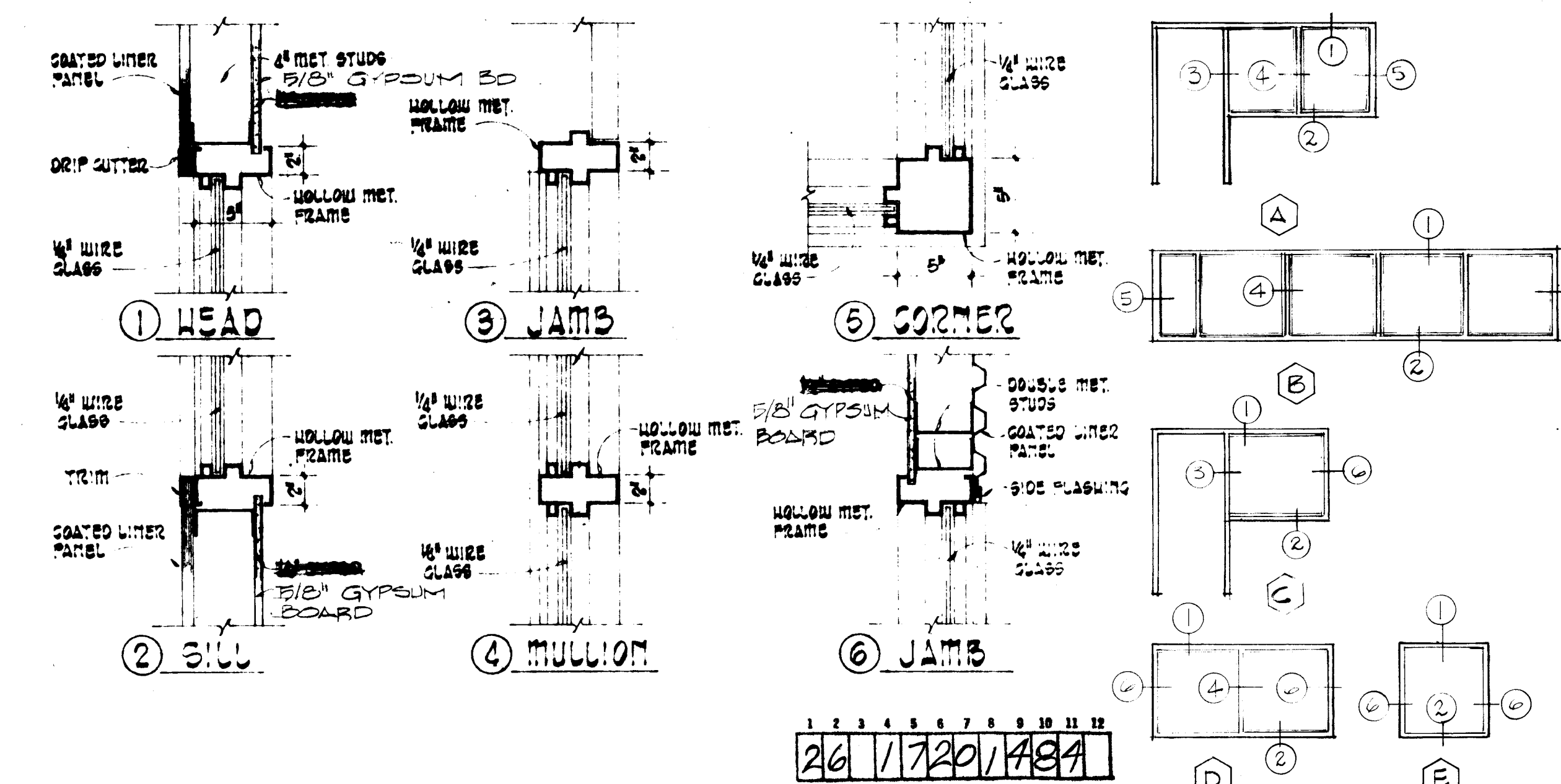
2. ALL EXTERIOR O.H. DOOR "MAN DOORS" TO BE KEYED
THE SAME AS OTHER EXTERIOR DOORS.



DOOR TYPES

SCALE 1:100

FRAME TYPES SCALE 1-10



WINDOW FRAME DETAILS SCALE 1/4" = 1'-0"

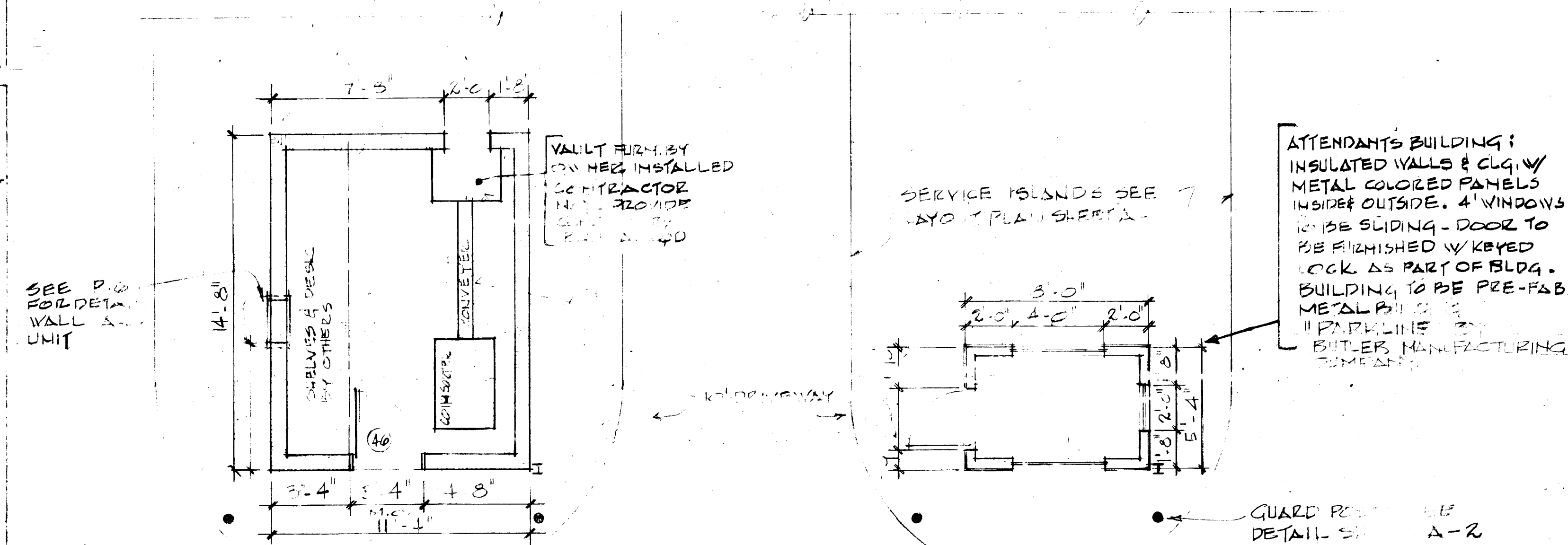
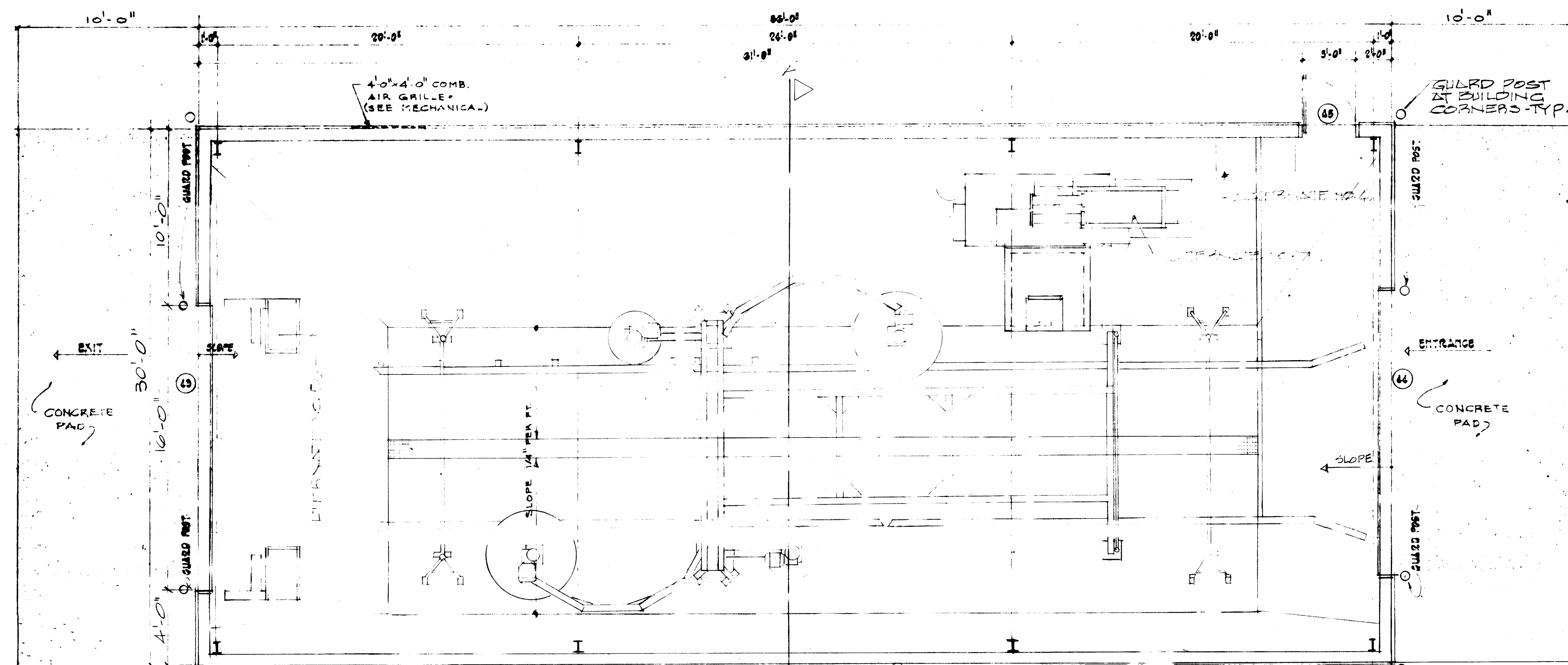
WINDOW TYPES SCALE: 3/16" = 1'-0"

MICHAEL DEL MASTRO
ARCHITECT A.I.A.
610 GOLD SW · SUITE 222
ALBUQUERQUE, NEW MEXICO

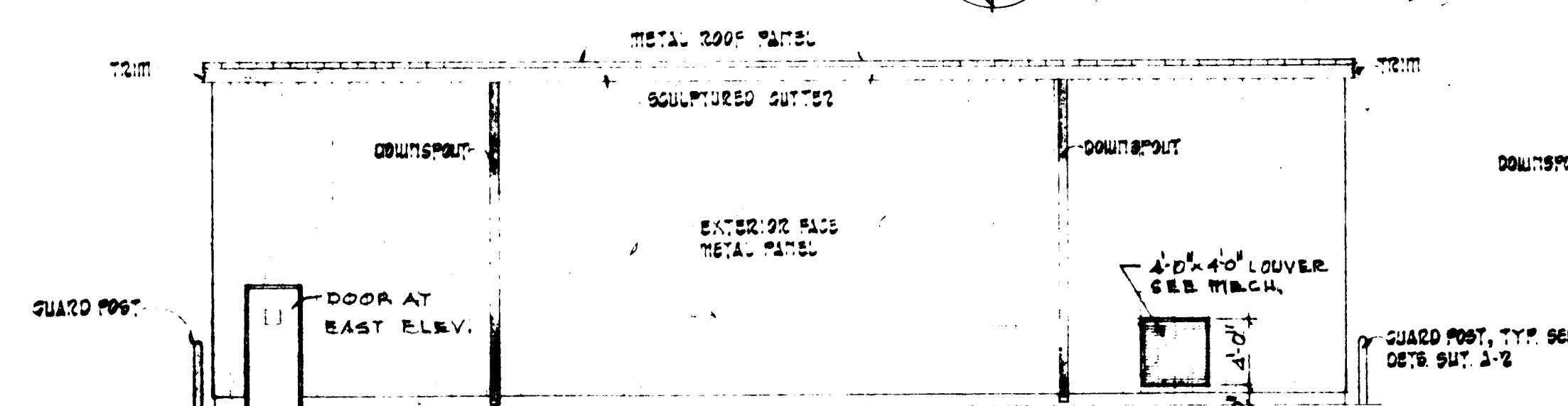
TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE

ALBUQUERQUE, NEW MEXICO

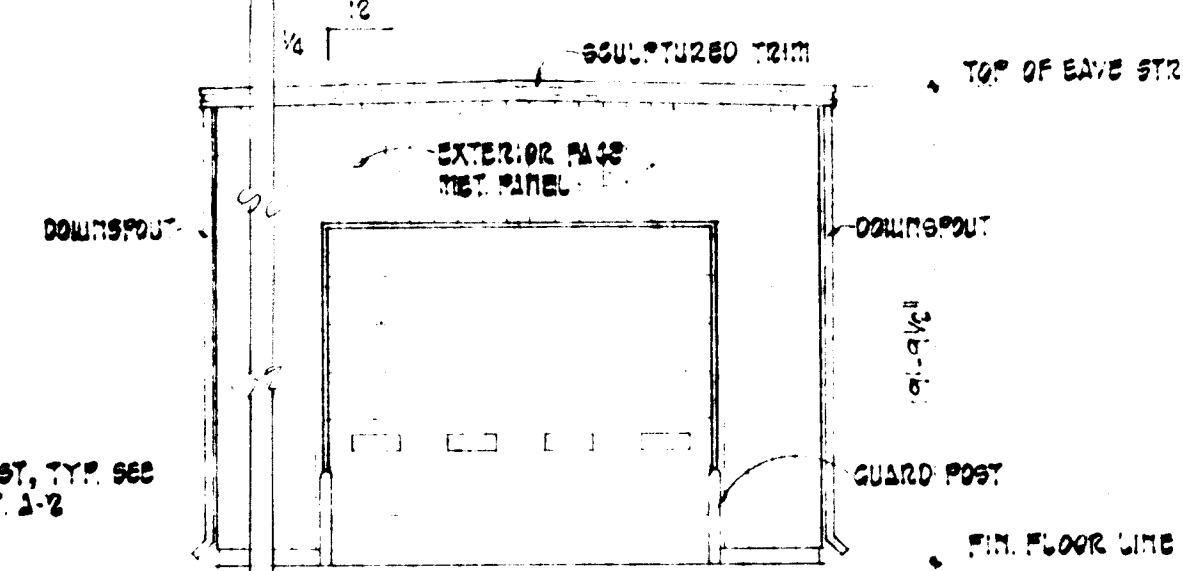
DRAWN BY CJA	TITLE DOOR & WINDOW DETAILS & DOOR SCHEDULE	SHEET NO. A-5
CHECKED BY M.D.M.		
DATE 9-17-81		
JOB NO. 7901	REVISIONS	OF 7



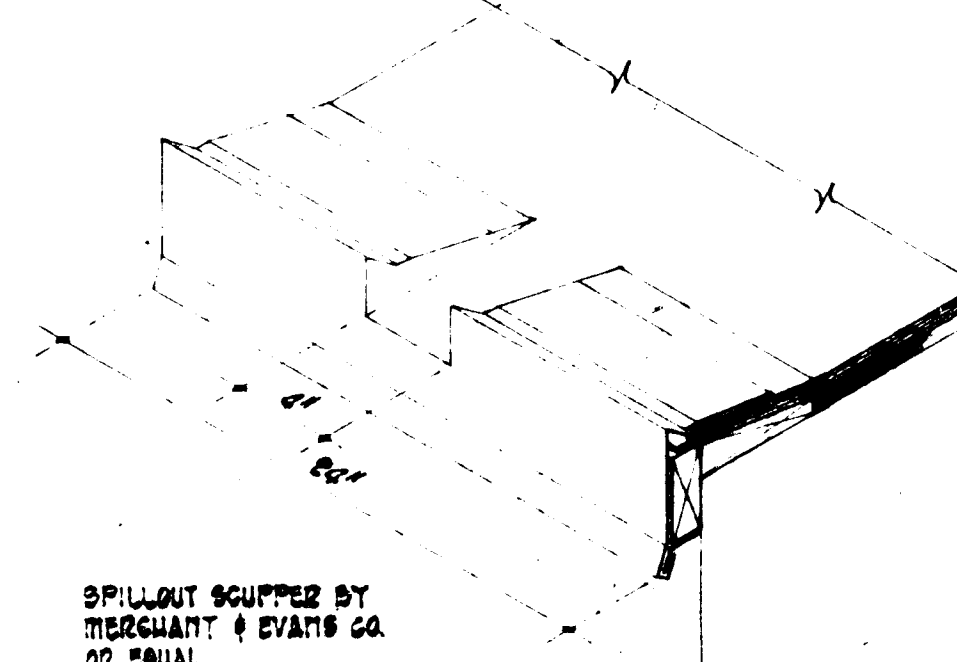
FLOOR PLAN OF FIREBOX VAULT & FLOOR PLAN OF ATTENDANT'S BLDG.
SCALE: 1/4" = 1'-0"



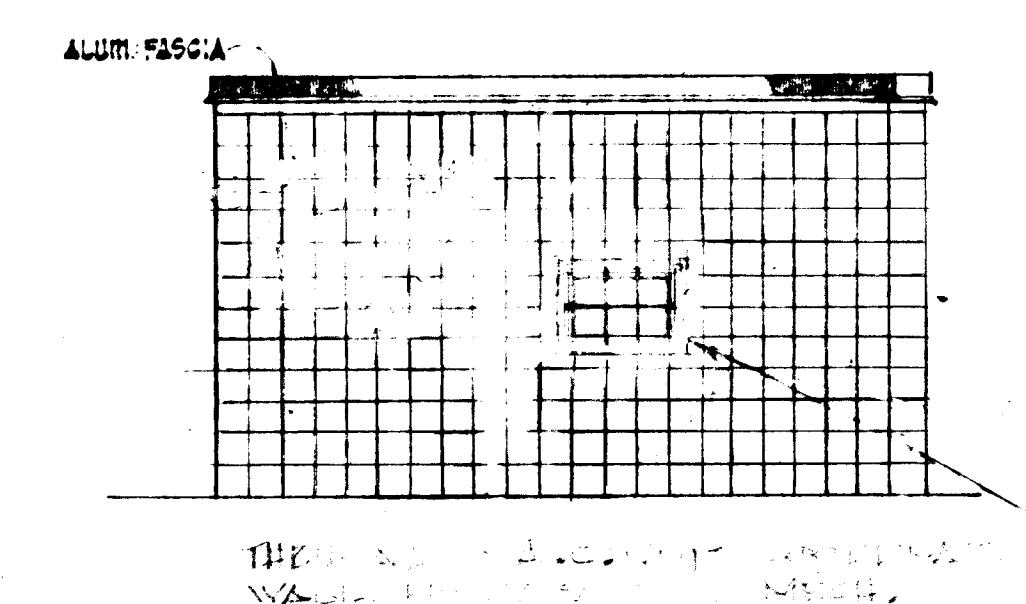
EAST & WEST ELEVATIONS
SCALE: V.B. = 1"=0'



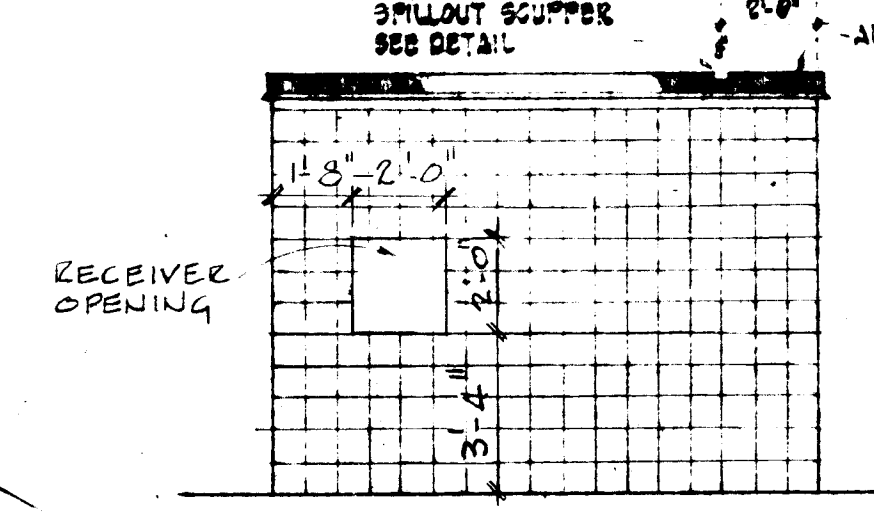
NORTH & SOUTH ELEVATIONS
SCALE 1/4" = 1'-0"



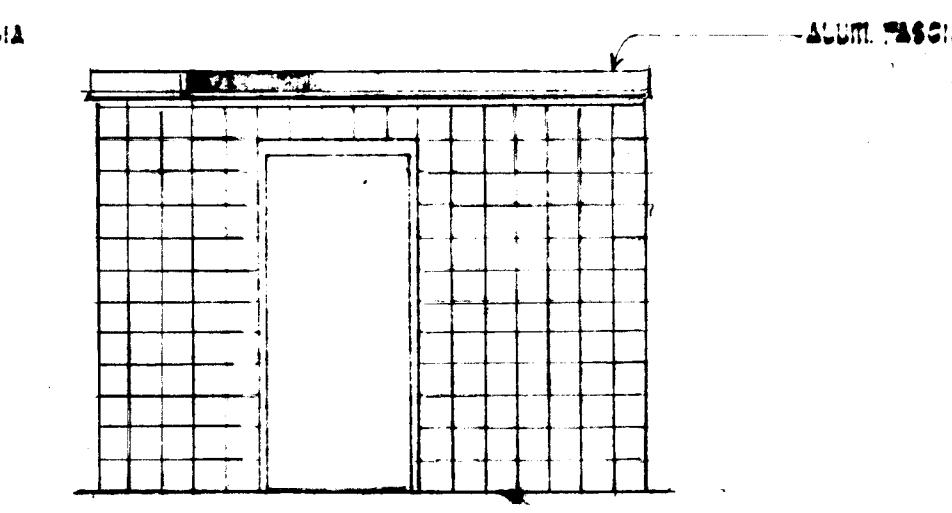
ISOMETRIC of SPILLOUT SCUPPER



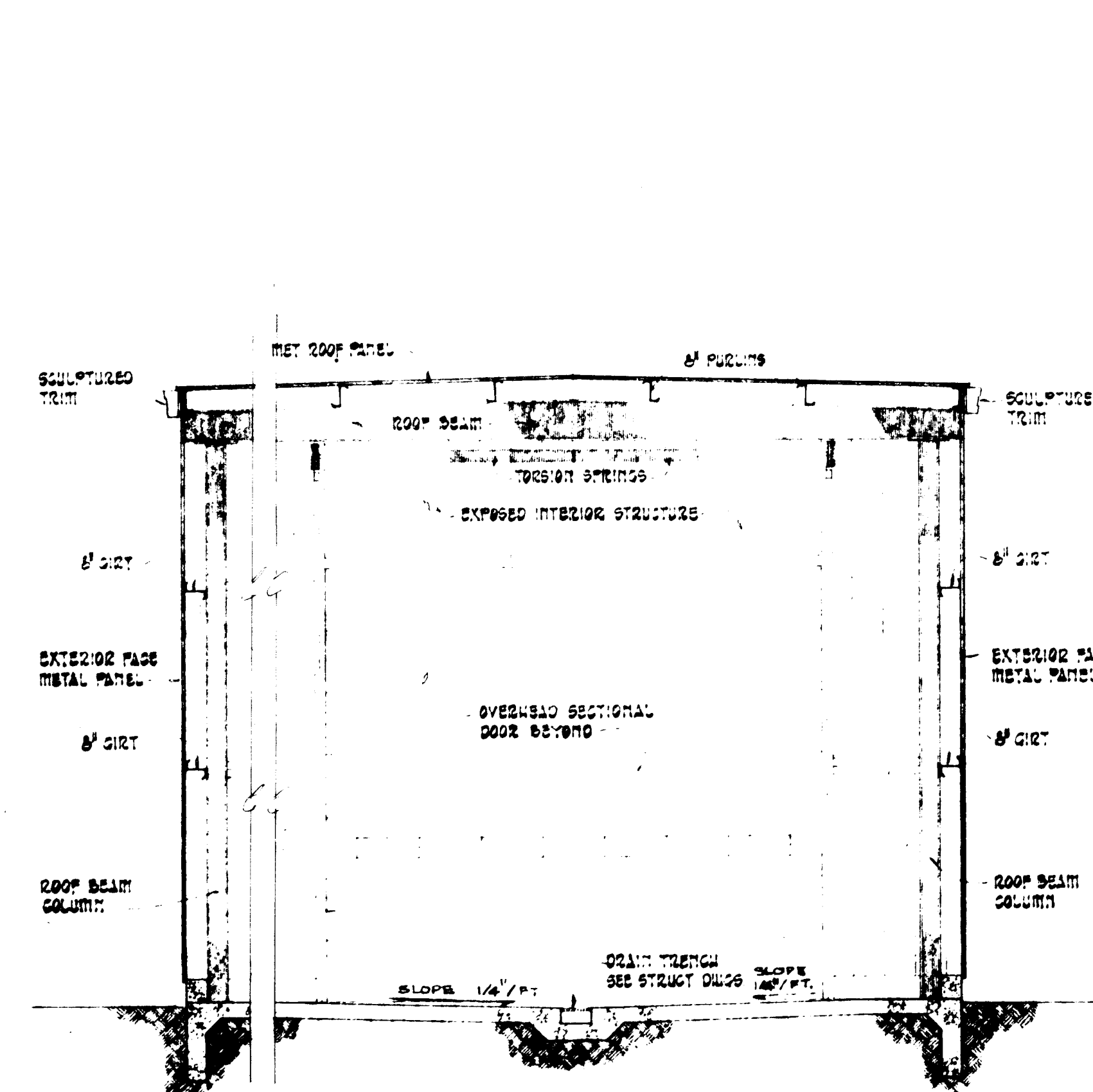
WEST ELEVATION (EAST SIMILAR)
SCALE: 1/4" = 1'-0"



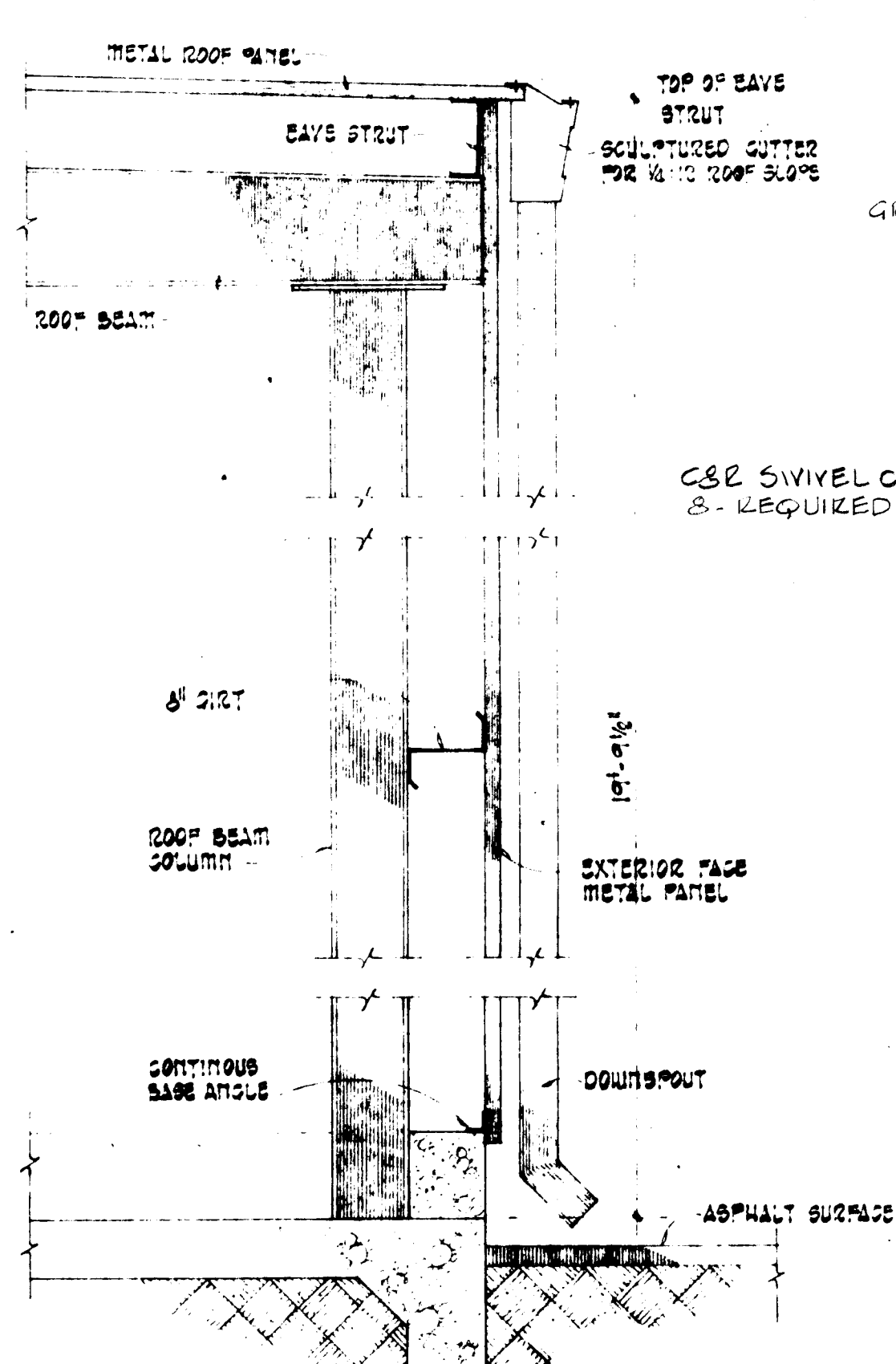
NORTH ELEVATION
SCALE 1/4" = 1'-0"



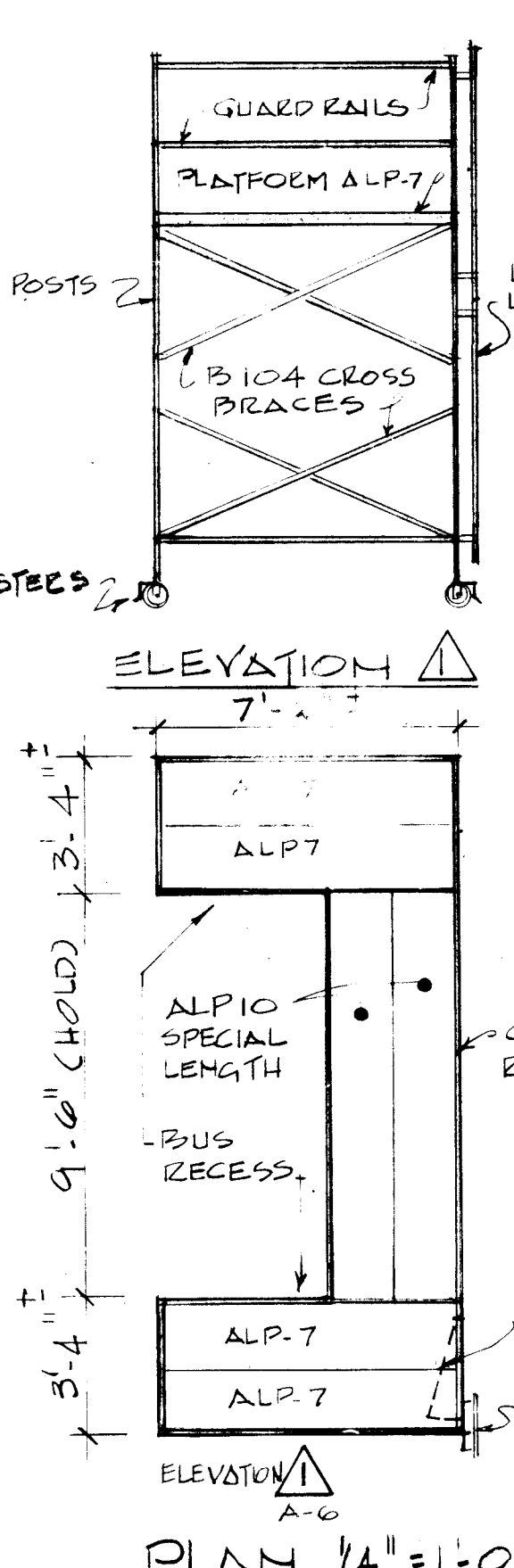
SOUTH ELEVATION
SCALE 1/4" = 1'-0" (SEE SHEET 6.1)



BUILDING SECTION "A-A" SCALE 1/4"=1'-0"

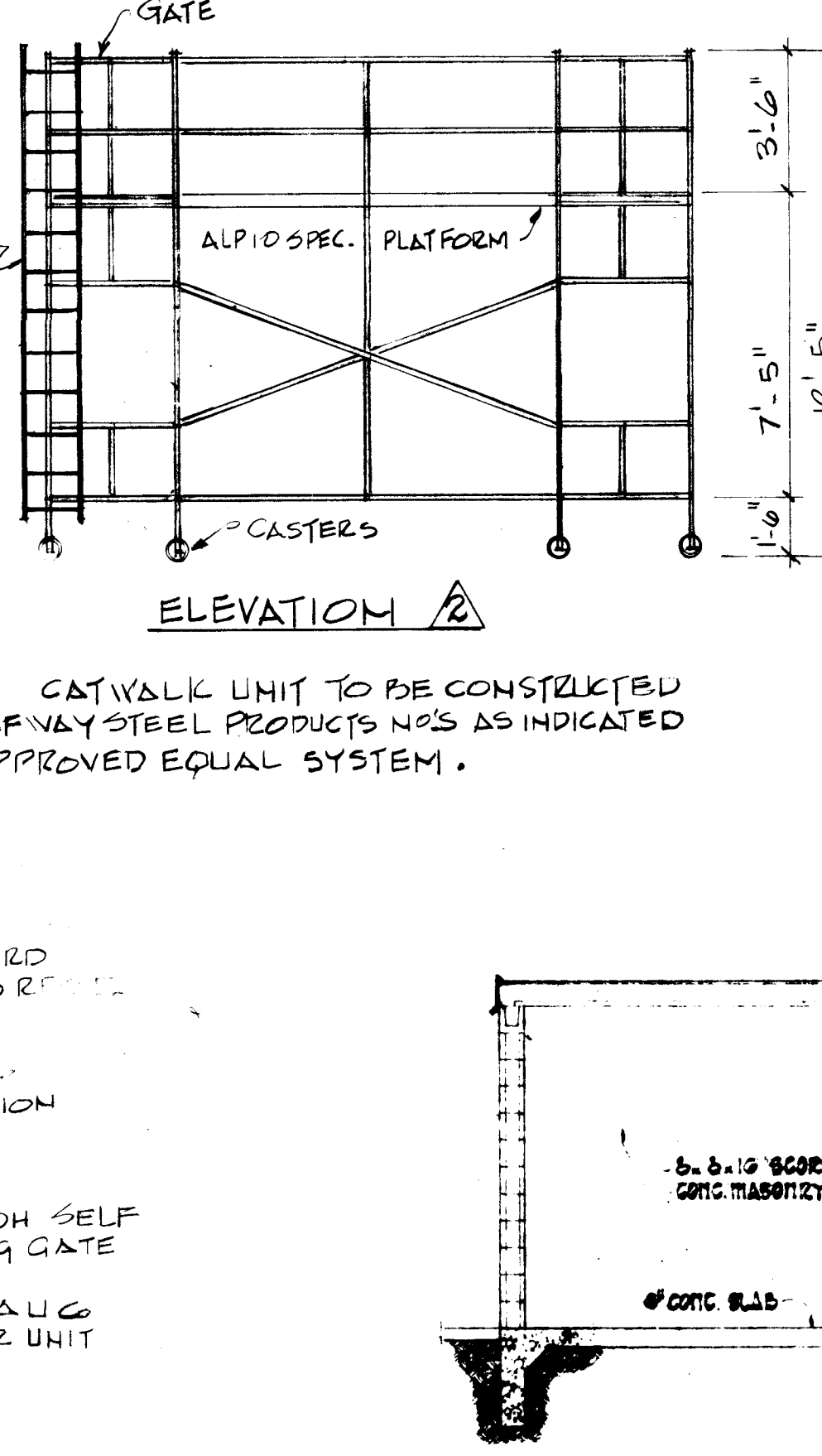


TYR. WALL SECTION @ WASH RACK SCALE 3/4"=1'-0"

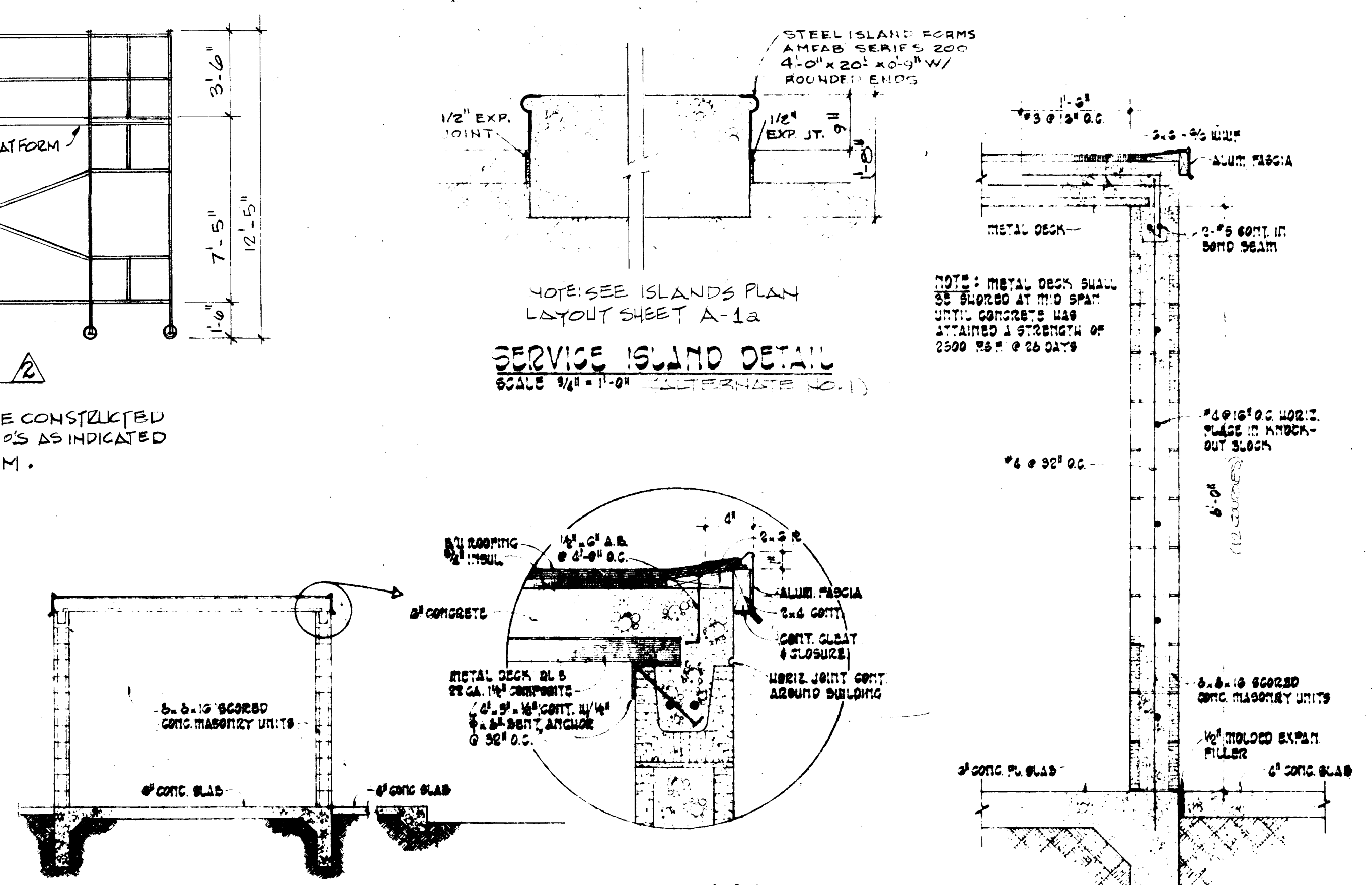


BUS A/C REPAIR

CATALALK DETAILS

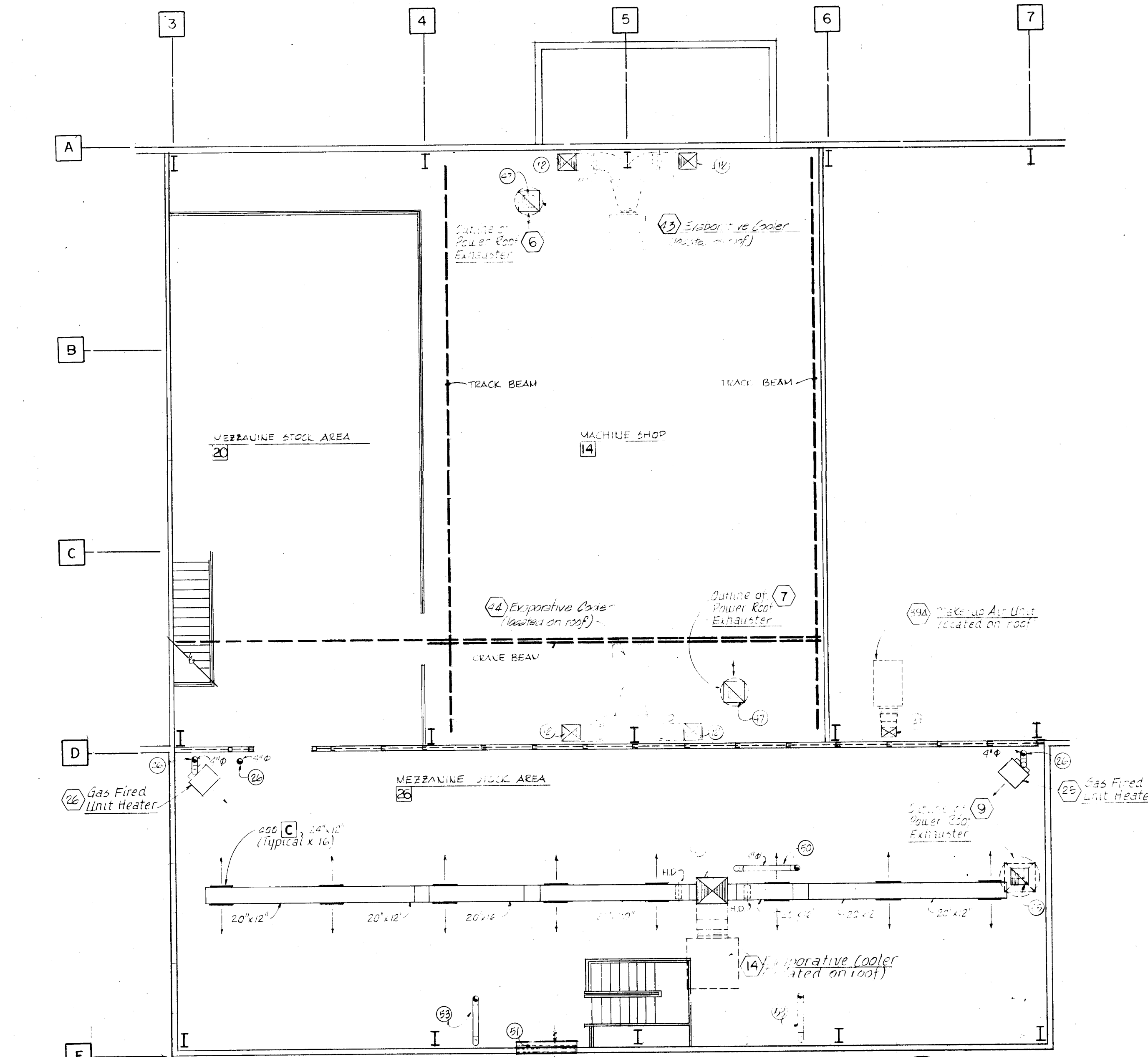
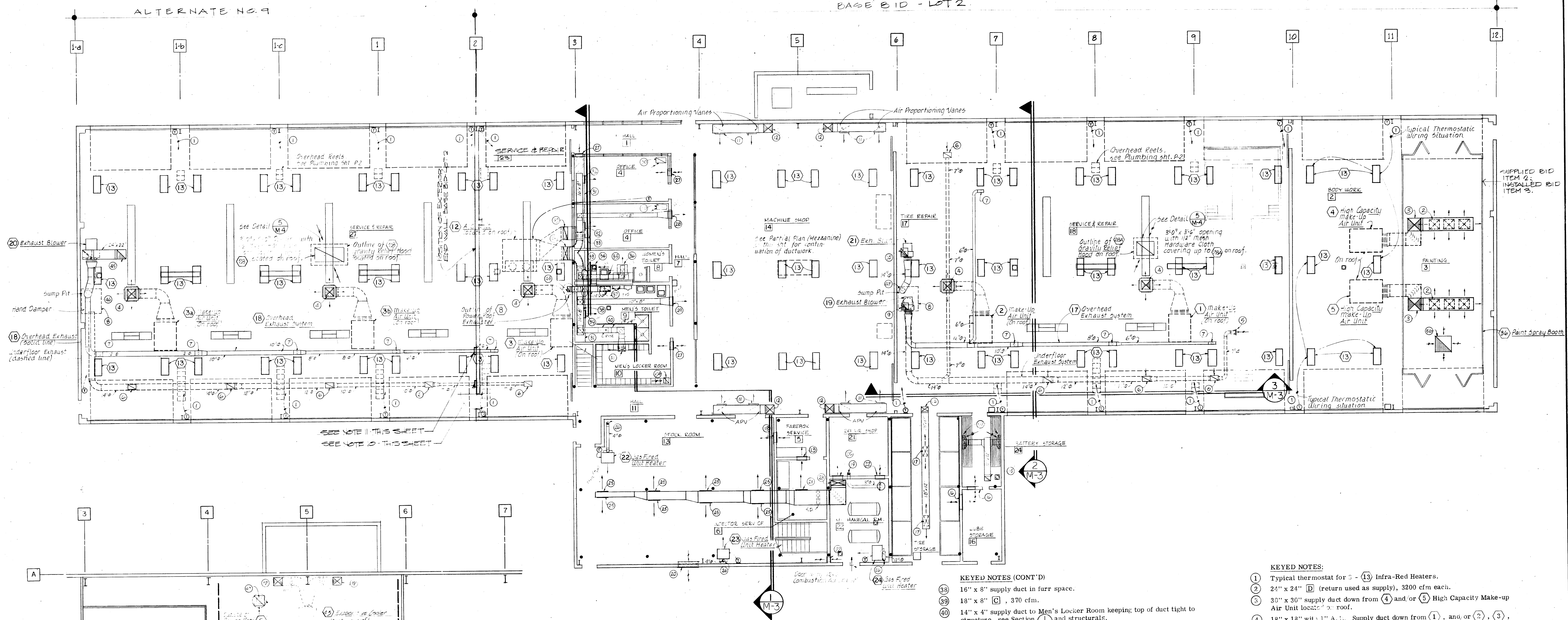


BUILDING SECTION "B-B" SCALE 1/4" = 1'-0"



ALTERNATE C.D. - WALL SECTION @ VAULT SCALE 3/4"=1'-0"

	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION (All Capacities at 5000 ft. elevation unless otherwise noted.)
	43 Thru 43	STORAGE TANKS: Refer to the "Fuel Handling System" section in the Specifications for details. Each tank shall be provided with a remote liquid level indicator located in the lube storage room in the Building. The supplier shall provide the exact length of copper tubing required for gauging. Refer to the drawings for tank locations.	42	MOTOR OIL PUMP: Air operated 10:1 ratio motor oil pump complete with low level cut-off, air pressure regulator, and gauge. Contractor shall furnish 1-1/2" suction pipe and shut-off valve on discharge side of pump. Balcrank #1089-S, or approved equal.	1 Thru 3B	MAKE-UP AIR UNITS: Factory assembled package, weatherproof, complete with vented natural gas fired heating system, centrifugal fan, remote control station and evaporative cooler. Unit AGA approved for outdoor application. Fan capacity 2440 cfm at 1.3" external S.P.W.G. with 1 horsepower, 480 volt, 3 phase, 60 Hz, 1750 rpm motor. Heating capacity 163 mbh output at 5000 ft. elevation (272 mbh sea level input). Motor to have adjustable base and variable pitch sheave. Heating unit to be two-stage firing with stainless steel heat exchanger and ductstat set to control 75° supply air. Evaporative cooler to have evaporative pads, heavy duty 120 volt, single phase, 60 Hz, 3000 rpm pump with strainer, distributor tubes and troughs, float valve, overflow, and drain connection. Essick Model 30DT, or approved equal by International, Hastings or Alton. Unit operating weight approximately 1000 lbs. Furnish with starters.
	44 45 46 & 47 48 & 49 50 51 52 53	Symbol Capacity, Gallons Length, Feet Diameter, Inches Steel Plate Thickness, Inches Service Remarks 43 & 44 30,000 42 132 3/8 Diesel New 45 30,000* 42 132 3/8 Diesel New or Re-used 46 & 47 10,000* 21 108 1/4 Diesel New or Re-used 48 & 49 10,000 21 108 1/4 Gasoline New 50 10,000* 21 108 1/4 Gasoline New or Re-used 51 10,000* 21 108 1/4 Motor Oil New or Re-used 52 1,000 11 48 10 ga. Waste Oil New 53 2,000 12 64 3/16 Solvent New	42A	SOLVENT PUMP: Self-priming, rotary vane, 12 gpm, 1/4 horsepower, 120 volt, single phase, 60 Hz motor, explosion-proof, on-off switch activated when nozzle is removed or replaced, furnish with discharge nozzle and 5/8" I.D. x 10 ft. long flexible hose, strainer, built-in by-pass and check valve, also furnish a three-legged stand with bolt holes. Bennett Model No. 57-4, or approved equal.	4 And 5	HIGH CAPACITY MAKE-UP AIR UNITS: Factory assembled, weatherproof, complete with direct fired natural gas heating system, centrifugal fan and evaporative cooler. Fan motors to be 480 volt, 3 phase, 60 Hz, 1750 rpm, with adjustable motor base and variable pitch sheave. Heating unit to have two-stage or modulating fired gas burners with ductstat set to control 75° supply air. Evaporative cooler to have evaporative pads, heavy duty 120 volt, single phase, 60 Hz, 300 rpm pump with strainer, distributor tubes and troughs, float valve, overflow, and drain connection. Essick, or approved equal by International, Hastings, or Alton. Furnish with starters.
	54	*Note: The Contractor shall remove and test existing tanks in accordance with NFPA 30. The Contractor shall relocate and repipe all tanks which prove to be in satisfactory condition and deduct the cost of the new tanks which are not required. (Refer to Boiler Plate in the Specifications.) The Contractor shall remove and dispose of all tanks which fail the test.	43 44 45 46 47 48 49 50 51 52 53	DELETED	10 Thru 12	POWER ROOF EXHAUSTERS: Curb base mounted, backdraft damper, bird screen, centrifugal backward inclined wheel, V-belt or direct drive as scheduled below, 120 volt, single phase, 60 Hz motors, 1750 rpm maximum speed. Greenheck, Carnes, Jenn Air, Penn, or approved equal. Fans shall be AMCA Type C construction with explosionproof motors.
	54	GASOLINE AND DIESEL DISPENSER: Furnish a remote dispenser and register which shall be interlocked with buried tank pumps to deliver 10 gpm of gasoline diesel fuel. Provide individual shut-off at each dispenser to permit absolute control of flow independent of nozzle valve. Unit shall include a baked enamel finish, color as selected by Architect, steel base with bonded exterior, four rotor register to 999.9 gallons, totalizer shall record to 99,999.9 gallons, 12 ft. x 5' 8" L.D., gasoline resistant anti-static rubber hose, pump switch, with filters, strainer, and suction pipe coupling. Bennet Fleetmaster #3782, or approved equal.	44 45 46 47 48 49 50 51 52 53	SINGLE LANE BUS WASH FACILITY: Contractor shall furnish and install a bush wash facility complete with equipment components, piping, wiring as required to wash the front, sides and rears and wheels on a drive through basis on a service lane of vehicles up to 10'-6" in height and 9'-8" width. All equipment shall be designed, supplied and installed in such a manner as to comply with all Federal, State, and Local Codes. Equipment shall be designed to use mildly alkaline cleaning compounds in liquid concentrate form. The bus wash system shall be complete with four (4) brushes (minimum) and shall be able to scrub its respective side. Brush yokes shall be designed in such a manner as to eliminate any possibility of physical contact between the yoke and the bus. Air cylinders and air controls shall be accessible from ground level, permanently lubricated and constructed of high strength steel. Piston rods shall be chrome plated. Air hoses to cylinders shall be minimum 1/2", two braided with 250 psi working pressure, each hose equipped with brass male and female swivel threaded connectors. Air control shall be by solenoid operated valve, with epoxy molded moisture proof coils. Combination air line filter, regulator, lubricator unit shall be provided for each cylinder with a liquid level indicator. Provision shall be made for the application of mild dilute detergent solution to sides, fronts, rears and wheels of the bus via a pre-wet spray assembly. This dilute detergent solution shall likewise be applied to the brushes via spray assemblies to keep brushes clean. Provision shall be made for the injection of liquid detergent concentrate directly from suppliers drum into the water lines supplying the pre-wet brush assemblies, the injection rate to be adjustable. Rinse water shall be applied via spray nozzles and valves in sufficient volume to carry away loosened soil and detergent solution. Automatic operation of the wash system shall be accomplished by means of vehicle actuated switchgear. All controls for the operation of the wash shall be provided, and shall include a main disconnect switch through enclosure of door. Selector switches shall be provided for various operational modes of the wash system as well as "Power On" and "Emergency Off" switches and labeled. Tire guides shall be installed the full length of wash system. Contractor shall provide for the presence of qualified personnel during start-up. This unit shall fit properly in space provided and shall be complete with all standard equipment shown on Manufacturer's Specification Sheet. Provisions shall be made for the drag-mopping of the roofs of the buses by a drag mop assembly complete with proper spray nozzles located at the detergent spray. The brushes shall be driven by 5 horsepower TEFC motors via gearhead reducers with shock absorbing couplings between brush shafts and drives. Washer system shall include a partial wash water recycling system with self-contained sump cover, 10 horsepower self-priming separator pump, basket strainer, metering check valve, float switch level controller, 10 horsepower wash water pump, 1/3 horsepower detergent metering pump, electronic control panel, piping, all accessories necessary to accomplish a complete operating bus wash water recycling system. The bus wash system shall be equal to Ross and White Co. (Wheeling, Ill. 60090) Model No. BAR-1015 with a 20 horsepower, 480 volt, 3 phase, 60 Hz peak load. The recycler shall be equal to Ross and White Co. Model No. WW-150-PC with a 22 horsepower, 480 volt, 3 phase, 60 Hz peak load. Unit shall include a conveyORIZED de-watering unit. Other units, including the hydraulic motor type, will be reviewed at the prior approval stage.	10 Thru 12	A/C UNIT: Single zone rooftop unit, factory assembled, weatherproof for outdoor operation, piped and wired and fully charged with R-22, direct expansion cooling and gas fired heating, AGA approved. Exterior panels to be galvanized steel and coated with rust preventative and baked on acrylic finish. Refrigeration unit to have hermetic compressor with crankcase heater, motor winding thermostat, and motor overload protection. Unit shall be factory equipped with suction and discharge service valves and high and low pressure cut-outs. Condenser section to be equipped with factory furnished guard. Provide magnetic contactors with overload protection for compressor, condenser fan, and evaporator fan motors. Provide low ambient control for operation down to 30° F outside temperature. Compressor to have vibration isolation from unit and refrigerant piping. Unit to be supplied with 24 volt control transformer and insulated drip pan under evaporator coil, supply fan to be vibration isolated from unit and to have motor with direct drive. All components to be designed for use on 480 volt, 3 phase, 60 Hz power. Heater to be gas fired type with aluminumized steel heat exchanger with resiliently mounted combustion air blower with air flow proving switch. Provide heating-cooling thermostat and throw-away filters. Unit to have economizer outside and return air damper controls. Ratings at 100' ambient, 5000 ft. elevation. Lemnox, Trane, York, Carrier or approved equal. Operating weight approximately 1200 lbs.
	A	CEILING DIFFUSER: For use with plaster or gypsum ceiling, neck sizes as scheduled below, aluminum or steel construction, adjustable pattern, volume control, and baked white enamel finish. Round necks are shown on the drawings, however, square neck diffusers are acceptable. Furnish with four-inch extension frame where surface mounted lights occur.	46	PAINT SPRAY BOOTH: Furnish and install a spray booth constructed of fireproof 18 gauge steel walls, structurally sound to keep the unit square and without sags between beams and columns. Unit shall be furnished with 2'-6" x 7'-0" access door on the side, exhaust fan, open type fluorescent light fixtures, top exhaust outlet, paint arrestor pads with draft gauge, air intake filters with draft gauge, three foot stack section on exhaust fan with automatic damper and cleanout door. Unit shall be a drive through model with enamel finished panels tightly sealed. Unit shall comply with NFPA, State, and Local Codes. Unit shall fit properly in space provided and shall be delivered complete with all standard equipment shown on the manufacturer's specifications. Unit shall be similar to "DeVilbiss" Model No. DF-621 with 16'-0" minimum height clearances and with a 48" diameter exhaust stack fan, 24,900 cfm at 1 2" S.P.w.g., 5 horsepower explosion proof motor wired for 480 volt, 3 phase, 60 Hz. Fan motor shall be complete with adjustable pitch V-belt drive, permanently lubricated ball bearings, and airtight blades. Furnish with starters.	13	INFRA-RED HEATER: Furnish and install factory assembled, AGA certified, natural gas fired infra-red heaters. Heaters to be complete with cast iron burner, polished aluminum reflector, 50 mbh input (minimum), spark ignition, 100% shut-off solenoid valve with 115 volt, single phase, 60 Hz current. Provide wall mount thermostats and relays required for automatic operation of heaters (see plans for locations). "Perfection Infra-Red" Model No. JB2SSAN with Hexcell screen, or approved equal. Operating weight approximately 75 lbs.
	B	DIFFUSER: For exposed duct mounting, neck sizes as scheduled below, aluminum or steel construction, adjustable pattern, and baked white enamel finish.	47	SUMP AND SUMP PUMP: General Service immersible pump, capacity 48 gpm at 15 ft. head with 1 2 horsepower motor, 206 volt, single phase, 60 Hz, 1750 rpm, complete with vapor tight 24" diameter cover x 14 1/4" deep steel sump tank, 2" vent, float switch, float, high water alarm, and suction strainer. Similar to Weiman Model No. 124MG 1/2-4, or approved equal by Yeoman, Aurora.	14	EVAPORATIVE COOLER: Side discharge arrangement, fan capacity 14,400 cfm at 1 4" S.P. with 58 sq. ft. pad area (min.), aspen pads, spray pump, pump strainer, float valve, 5 horsepower, 1750 rpm, 480 volt, three phase, 60 Hz fan motor. Unit operating weight approximately 1213 lbs. Arctic Circle Model No. B2133, or approved equal by Alpine, Essick, or Edison. Furnish with starter.
	C	SIDEWALL SUPPLY REGISTER: Heavy duty steel construction, baked white enamel finish, vertical front bars, horizontal rear bars, double deflection, opposed blade damper, baked white enamel finish, and sized as shown on the drawings. Construction: 18 gauge steel frames, 14 gauge steel face blades with 0 to 40 degree deflection. Krueger 4680, opposed blade damper, furnished with extractors.	48 And 48A	INTERIOR CLEANING SYSTEM: Furnish and install a bus interior cleaning system which shall effectively remove debris and dust from buses being cleaned and collect dust and debris in an elevated trash house high enough to periodically discharge debris into a conventional waste container or open top truck (up to 7'-6" high). Bellows assembly shall be complete with long-stroke, double-acting air cylinders and all air controls; bellows to be fabricated of neoprene nylon or equally impervious material with foam rubber cushioned facing covered by same material. Plenums shall be of 12 gauge steel properly reinforced and with one finish coat of machinery enamel. Duct shall be of not less than 14 gauge steel and properly reinforced to withstand negative pressures. Ducts to have one finish coat of machinery enamel. Trash house shall be complete with a water washdown to carry debris and dust as it enters trash house. Trash house shall be bolted to hopper and properly supported by structural steel members; hopper and trash house shall be fabricated of heavy steel plate and covered with one finish coat of enamel. Interior cleaning system shall include fan box assembly, an air sweep gun, and "on-off" controls mounted within bellows assembly. Unit shall fit properly in space provided and shall come complete with standard equipment shown on the manufacturer's specifications. The unit shall be provided with a sleeve of sufficient length to extend from the suction side of the vacuum cleaner to the bus door. Refer to drawings for service lane dimensions and location of the vacuum cleaning system. Unit shall be similar to "Buck" Cyclone Cleaner Model #EC-0630, wired for 10 horsepower peak load, 480 volt, 3 phase, 60 Hz. Electrical controls shall be provided in NEMA 4 enclosure which shall house all motor starters, relays, transformers, numbered terminal strips, fuse blocks and thru-door disconnect switch.	15 And 16	AIR COMPRESSOR: Furnish and install 25 horsepower, 123 cfm displacement, 93 cfm free air at 135-150 psig and 940 rpm, two-stage, factory assembled, tank mounted air compressor. Receiver shall conform to ASME National Board Specifications for 200 lbs. working pressure. Unit complete with pressure gauge, relief valve, automatic tank drain, belt guard, filter-muffler. Motor shall be 480 volt, 3 phase, 60 Hz. Install a pressure switch in each of the 2 air compressors (15 and 16). The lead pressure switch shall be set to start at 165 psig and stop at 165 psig. The lag pressure switch shall be set to start the compressor at 165 psig and stop at 175 psig. Electrical Contractor to provide starter and electrical alternator to alternate lead compressor. Quincy Model No. H5120, or approved equal.
	D	CEILING RETURN AIR GRILLE: For duct mounted, plaster, acoustical tile, or gypsum ceiling, 1 2" x 1 2" x 1 2", fabricated of aluminum with frame, baked white enamel finish, and sized as scheduled, with opposed blade damper.	49	MAKE-UP AIR UNIT: Factory assembled package, weatherproof, complete with vented natural gas fired heating system, centrifugal fan, filter section, remote control station. Unit AGA approved for outdoor application. Fan capacity 4210 cfm at 1 3" external S.P.w.g., with 1 horsepower, 480 volt, 3 phase, 60 Hz, 1750 rpm motor. Heating capacity 297 mbh output at altitude. Motor to have adjustable pitch V-belt drive and adjustable base. Heating unit to be 2-stage firing with stainless steel heat exchanger and ductstat set to 75° supply air. Unit shall also include fresh air intake hood, vibration isolators, electric ignition, gas pressure regulator. Unit shall be similar to Essick Model No. 400T, or approved equal by International, Alton, or Essick. Operating weight approximately 2000 lbs. Furnish with starter.	17 Thru 26	GAS FIRED UNIT HEATERS: Propeller unit, 30,000 Btu/h input at sea level (18,000 Btu/h output at 5000 ft. elevation), 400 cfm, 1500 rpm rpm, 1 45 horsepower, 120 volt, 6 watts, with unit mounted electric thermostat set for 75° F. Trane Model No. GPAB00390A, Modine, or approved equal. Operating weight approximately 75 lbs.
	E	CEILING EXHAUST REGISTER: 1 2" x 1 2" x 1 2" egg crate with frame, same as D except with opposed blade damper.	49A	MAKE-UP AIR UNIT: Same as 49 except 1390 cfm at 1 3" S.P.w.g., 3 4 horsepower motor, 3 phase 208 volt, 60 Hz, 92 mbh output at altitude, 75° discharge air. Essick Model No. 150T, or approved equal.	27	WATER HEATER: Natural gas fired, AGA approved, ASME class lined steel tank, storage capacity - 30 gallons, recovery capacity 15 gph at 60° rise, and 5000 ft. elevation, 18 mbh sea level input minimum, 125 psig operating pressure, ASME temperature and pressure relief valve, drain valve, draft diverter, operating temperature controller, high limit cut-off, appliance pressure regulator, steel jacketed insulation around tank, 100 percent safety pilot, cast-iron atmospheric slide-out burners. National Model No. NM-30, or approved equal.
	F	CEILING EXHAUST REGISTER: 1 2" x 1 2" x 1 2" egg crate with duct mounting frame, all steel, opposed blade damper.	40	RECIRCULATING PUMP: Furnish and install in-line mounted centrifugal pump, 1750 rpm, mechanical seal, bronze fitted, 120 volt, 1 1/2 horsepower, single phase, 60 Hz. Pump shall be capable of delivering 5 gpm at 25 ft. head pressure. Pump similar to Bell & Gossett Model 60-155, or approved equal.	28 28A 28B	GRAVITY RELIEF HOOD: Rectangular type, all aluminum construction, low silhouette, with curb cap, birdscreen, and low leakage backdraft damper. Jenn-Air, Greenheck, Carnes, or approved equal.
	G	SIDEWALL RETURN AIR AND TRANSFER GRILLE: Heavy duty steel construction, baked white enamel finish, fixed horizontal bars (35° set) and sized as shown on the drawings. Gossamium type, 18 gauge frame, 14 gauge mullions, and fabricated of all welded steel construction. Carnes #153H.	41 And 42	BUS DRYER BLOWER ASSEMBLY: Provide two blower dryers (one on each side of the bus), free standing, with side discharge vents mounted high enough to dry the bus windows. The blowers shall be included with a free standing pedestal. The vent openings shall be 1" x 42" long. The blower shall deliver 5000 cfm at 12" w.c.s.p. and shall include a 10 horsepower motor, 480 volt, 3 phase, 60 Hz. Superior Model No. 35-113 (2531 W. Weldon Dr., Phoenix, Arizona 85017, (602)-248-6943), or approved equal.	29	REFRIGERATED AIR DRYER: The compressed air shall be dehydrated by a non-cycling refrigerated type dryer. The dryer shall be complete with smooth surface, tube-in-tube heat exchangers, hermetic refrigeration system, self-regulating hot gas bypass valve, separator, and include facilities for mounting an automatic condensate discharge trap. Dryer maximum operating pressure to be 200 psig standard. Dryer shall be capable of producing a constant pressure dew point of 35° F. Unit to operate on 480 volt, three phase, 60 Hz current. Unit to be Hankison Corporation Model E-225, Series E Air Dryer, with a capacity of 225 SCFM when dehydrating at 100 psig, and 100 F saturated inlet air temperature at 110° F ambient temperature to obtain a 35 F outlet dew point. Drain trap included with unit. Approximately 1-1/2 horsepower. Furnish with starter.
	H	SIDEWALL EXHAUST REGISTER: Same as G except with opposed blade dampers.	43 And 44	EVAPORATIVE COOLERS: Same as 14 above except with 6000 cfm capacity at 1 2" S.P.W.G., 3 4 horsepower, 3 phase, 208 volt, 60 Hz, 34 sq.ft. pad area, two speed. Arctic Circle No. B-7721-Z.	30 30A 31	FUEL PUMP: Discharge head to be cast in iron with spring loaded check valve, expansion relief valve, line shut off valve, junction box with quick disconnect, syphon valve. Motor to be fuel lubricated, 208 volt, single phase, 60 Hz, 3450 rpm, explosion proof thermal overload protection. Pumping unit to be completely submerged with die-cast aluminum housing, cast aluminum impellers, and shall include perforated brass intake screen with 1/8" diameter holes. Pump shall also include a galvanized steel street box and steel floor plate. Bennett, Allis Chalmers, Aurora, or approved equal.
			NOTE: • BASE BID LOTS 1 & 2 SHALL INCLUDE ALL REQUIRED ROUGH-IN FOR FUTURE INSTALLATION OF ITEMS DESIGNATED AS ALTERNATES. • CONTRACTOR SHALL VERIFY ALL REQUIREMENTS WITH ITEM MANUFACTURER.			
			26 1/2 26 1/2 26 1/2			



MECHANICAL FLOOR PLAN SCALE: 1/8" = 1'-0"

- GENERAL NOTES:**
- A single 1" insulating block where thermostats being mounted may show a degree of temperature variation between room air and wall. Shown on plan as heavy line.
 - A length of 30" (minimum) between all roof equipment and skylites mandatory.
 - Burners to (13) Infra-Red Heaters to be 19 ft. above finished floor. Typical.
 - For curb and support of A.C. Units, see Structural and Architectural Drawings. This note applicable, except where otherwise noted.
 - Duct dimensions shown are clear inside dimensions.
 - Coordinate all ductwork and piping with Electrical, Architectural and Structural.
 - Furr down to 7'-0" where indicated on Floor Plans.
 - Provide 8" x 8" access door for hand dampers as indicated on Floor Plans.
 - Unit Heater flues to be offset to nearest wall. See Keyed Notes.

NOTE:
DUCT DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS.

- IF ALTERNATE NO. 9 IS NOT ACCEPTED RUN 7" Ø UNDER FLOOR, EXHAUST DUCT OUTSIDE OF BUILDING & CAP FOR FUTURE ADDITION.
- IF ALTERNATE NO. 9 IS NOT ACCEPTED RUN 6" Ø OVERHEAD EXHAUST DUCT OUTSIDE OF BUILDING & CAP FOR FUTURE ADDITION.

KEYED NOTES (CONT'D)

- 16" x 8" supply duct in furr space.
- 18" x 8" [C], 370 cfm.
- 14" x 4" supply duct to Men's Locker Room keeping top of duct tight to structure, see Section (M-3) and structurals.
- 18" x 8" [C], 215 cfm.
- 32" x 14" with 1" A.L. R.A. duct (open to furr & ceiling space) w/ transition elbow to 32" x 8" with 1" A.L. continuing up to (12) A/C Unit on roof.
- 32" x 8" with 1" A.L. supply duct down from (12) A/C Unit on roof.
- 14" x 7" exhaust duct up to (9) Power Roof Exhauster.
- 24" x 22" combination overhead and underfloor exhaust systems duct up to gooseneck connection on roof, see Detail (M-4).
- 14" diameter underfloor exhaust duct rising up from Sump Pit, transitioning to 18" diameter with 12" diameter overhead exhaust branch duct occurring, continuing with 18" diameter to (2) Exhaust Blower.
- 14" x 14" exhaust duct opening with 1/2" mesh hardware cloth covering up to (6) and/or (7) Power Roof Exhauster.
- DELETED
- 18" x 12" supply duct down from (24) Make-Up Air Unit on roof.
- 3" diameter flue rising up from (27) Water Heater with offset occurring before penetrating roof continuing up to roof jack, see Detail (M-4).
- 6'-0" x 2'-4" exhaust air louvers with backdraft dampers.
- 36" x 20" supply duct down from (14) Evaporative Cooler on roof.
- 4" diameter flue from (23) Gas Fired Unit Heater with offset before roof penetration continuing up to roof jack, see Detail (M-4).
- 12" x 12" [D], 195 cfm open to furr down and ceiling space.
- 16" x 12" Exhaust Duct up from below with transition to 20" x 20" continuing up to (9) Exhaust Fan on roof.
- 42" x 42" Exhaust Duct up from Exhaust Fan furnished with (36) Paint Spray Booth and up to Gooseneck on roof. See Detail (M-4).
- 32" x 3" Exhaust duct opening with 1/2" mesh hardware cloth covering (as low as possible - minimum 5'-0") transitioning to 12" x 8" Branch duct continuing to 16" x 12" Exhaust Main.

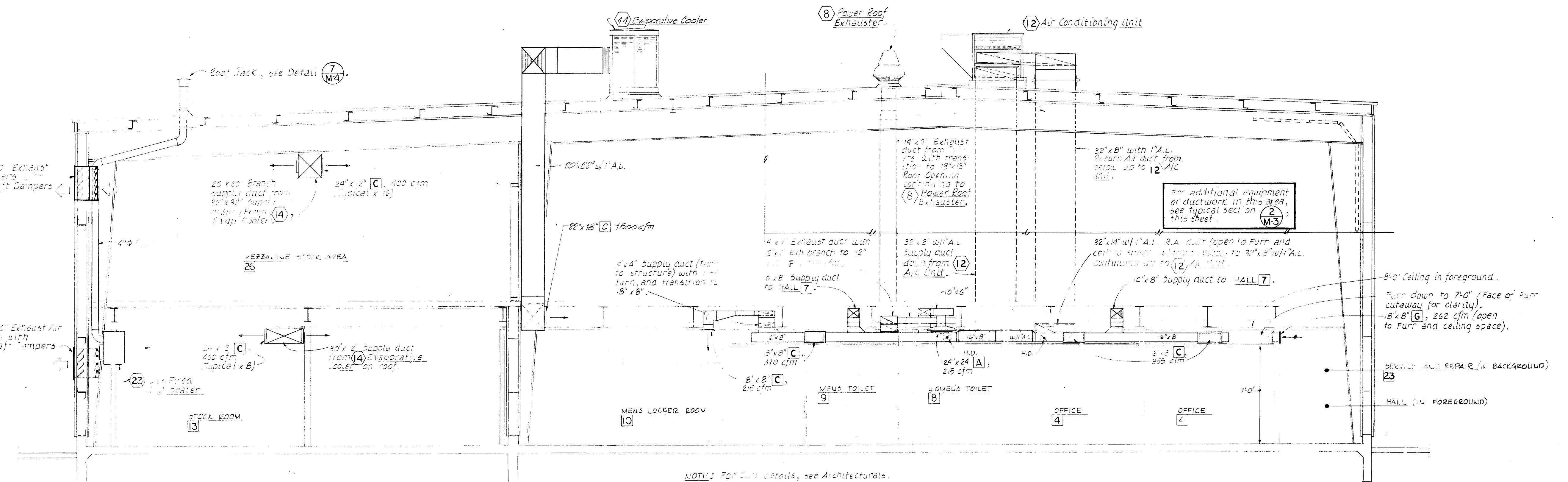
KEYED NOTES:

- Typical thermostat for (3) - (13) Infra-Red Heaters.
- 24" x 24" [D] (return used as supply), 3200 cfm each.
- 30" x 30" supply duct down from (4) and/or (5) High Capacity Make-up Air Unit located on roof.
- 18" x 18" with 1" A.L. Supply duct down from (1), and/or (2), (3), (3a), and (3b) Make-Up Air Unit located on roof.
- 18" x 12" [H], 600 cfm. See Section (M-3).
- 18" x 12" exhaust grate, 600 cfm, see Detail (M-4).
- 4" diameter exhaust riser, see Detail (M-4).
- Sump Pit, see Section (M-3).
- 16" x 16" overhead exhaust duct up to gooseneck connection on roof, see (M-4).
- 20" x 16" underfloor exhaust duct up to gooseneck connection on roof, see (M-4).
- 22" x 18" [C], 1500 cfm.
- 20" x 22" with 1" A.L. down from (43), and/or (44) Evaporative Cooler.
- Thermostat wiring to (10) and/or (11) A.C. Unit.
- 18" x 12" supply duct down from (24) Make-up Air Unit located on roof.
- 16" x 12" Exhaust duct up to (9) Power Roof Exhauster.
- 36" x 12" [G], 1320 cfm.
- 24" x 12" [C], 660 cfm.
- 24" x 12" [C], 310 cfm.
- 3" diameter flue from (27) Water Heater with offset up to roof jack, see Detail (M-4).
- 4'-0" x 2'-0" exhaust air louvers with backdraft dampers.
- 24" x 12" [C], 310 cfm.
- 24" x 12" [C], 400 cfm.
- 36" x 12" supply duct down from Mezzanine Area, see Partial Plan (Mezzanine).
- DELETED
- 24" x 12" [C], 400 cfm.
- 4" diameter flue from (22), (23), (25), and/or (26) Gas Fired Unit Heater.
- 18" x 8" [G], 232 cfm, open to beam and/or furring space.
- 18" x 8" [C], 385 cfm.
- 18" x 8" [C], 400 cfm.
- 24" x 12" [D], 355 cfm return air open to furr down and ceiling space.
- Furr down to 7'-0".
- 18" x 8" [C], 355 cfm.
- 6" x 6" access door for hand dampers.
- 12" x 12" [F], 235 cfm, with 12" x 6" branch duct.
- 10" x 6" supply duct.
- 24" x 24" [A], 215 cfm.
- 24" x 12" [F], 390 cfm with 14" x 8" branch duct dropping to clear beam.

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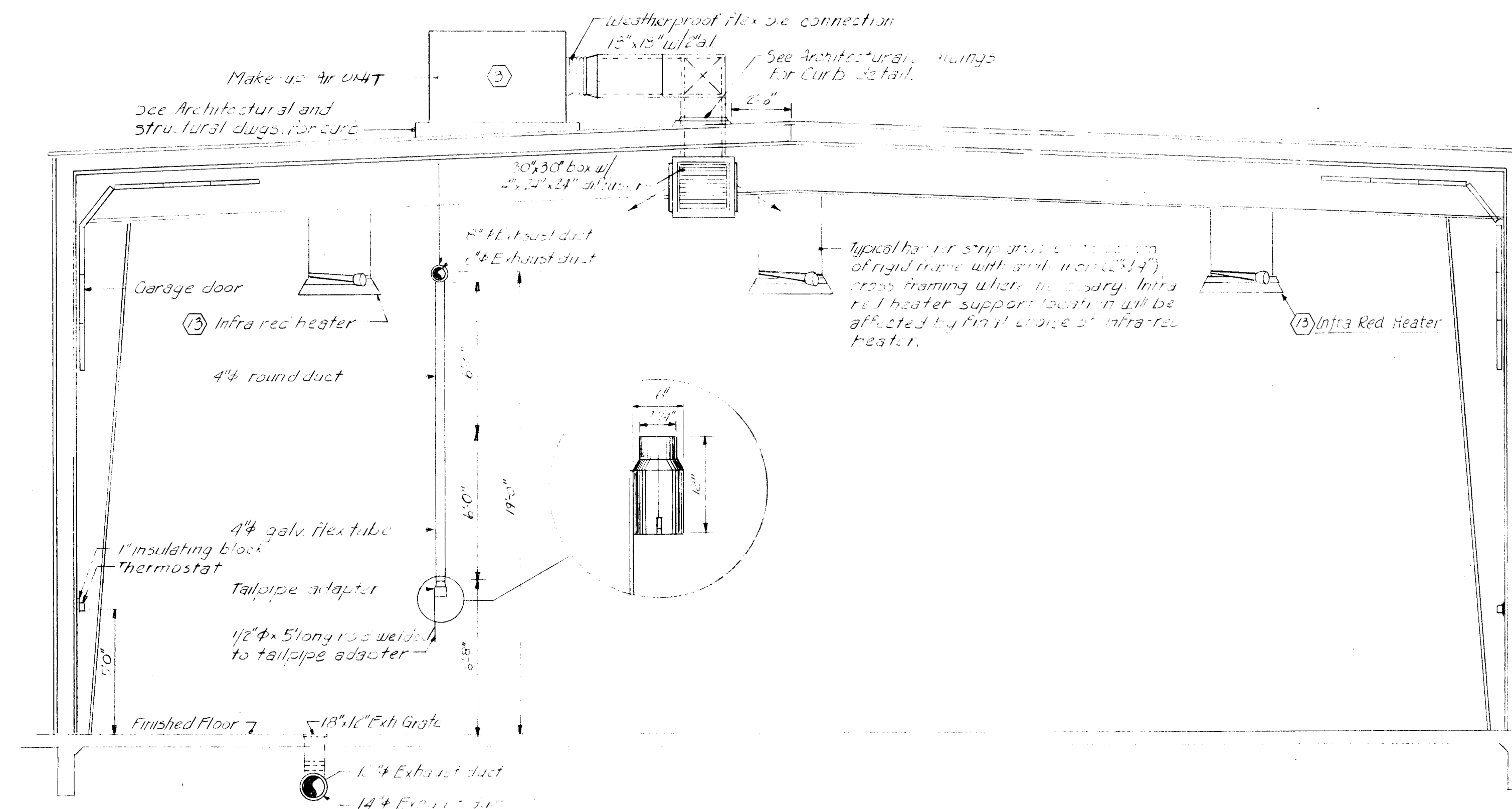
TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE
ALBUQUERQUE, NEW MEXICO

	DRAWN BY BBP	TITLE MECHANICAL FLOOR PLAN	SHEET NO M-2
	CHECKED BY BBP	DATE 9-17-81	
	JOB NO. 7901	REVISIONS	OF 4



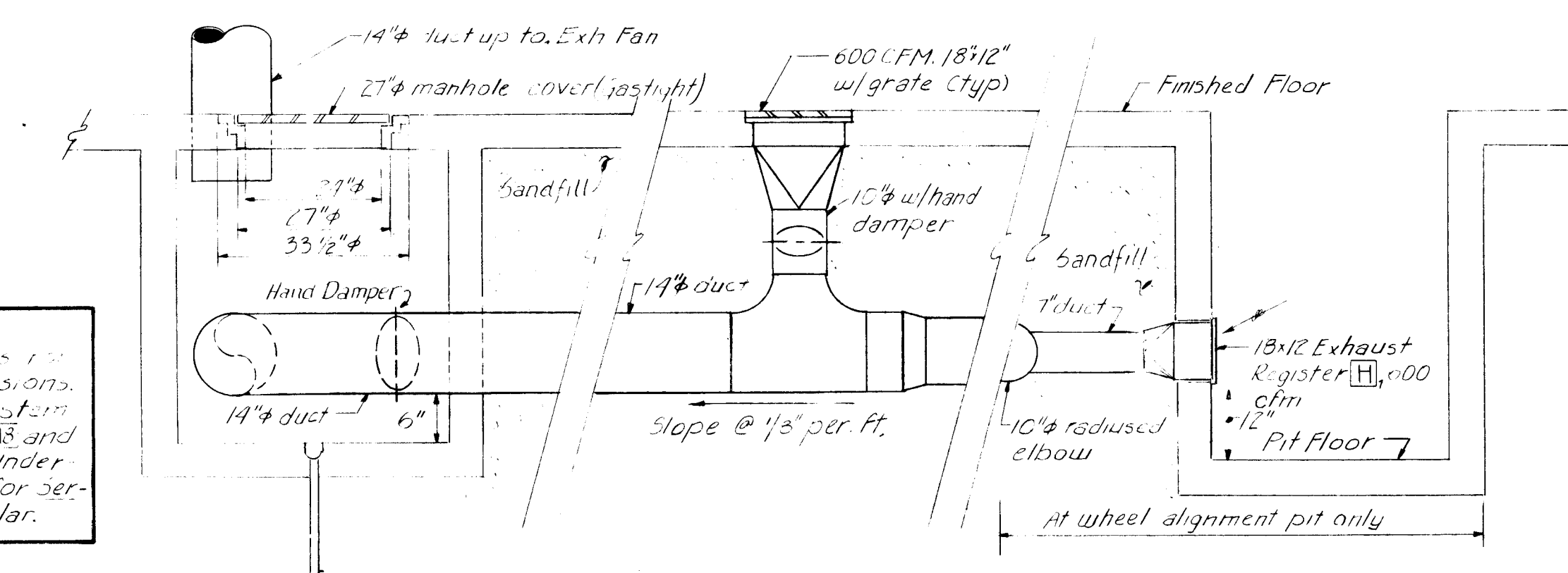
NOTE: For curb details, see Architectural.

SECTION SCALE: 1/4" = 1'-0" 1
M-3



TYPICAL SECTION SCALE: 1/4" = 1'-0" 2
M-3

NOTE:
1. See structural drawings for actual pump pit dimensions.
2. UnderFloor exhaust system for service and repair (13 and 14) shown. UnderFloor exhaust system for service and repair (22) similar.



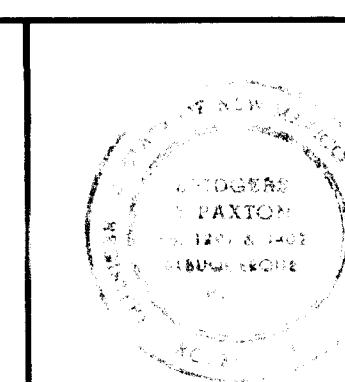
SECTION SCALE: 1/2" = 1'-0" 3
M-3

26 1/229/88A

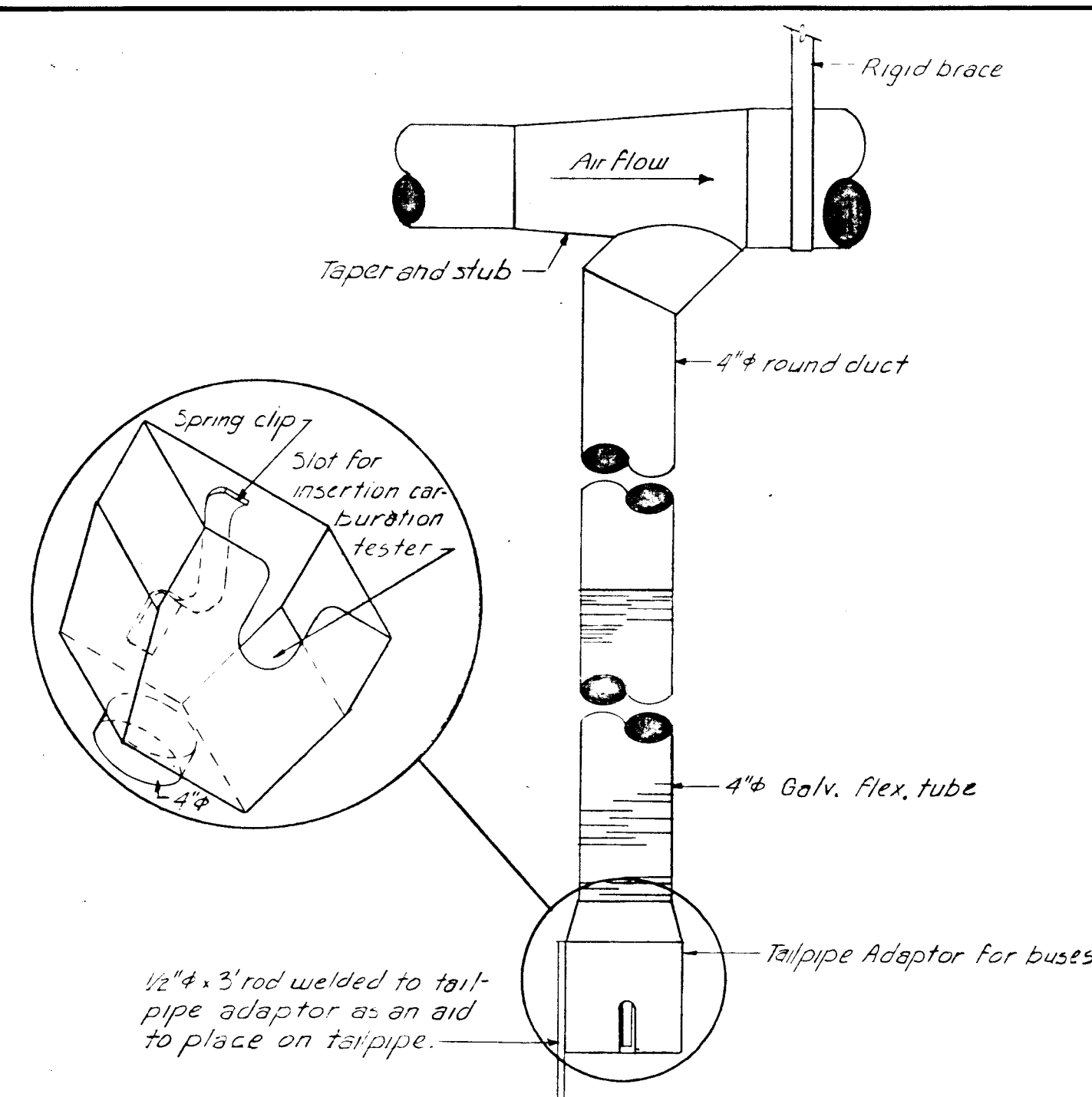
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ALBUQUERQUE, NEW MEXICO

TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE

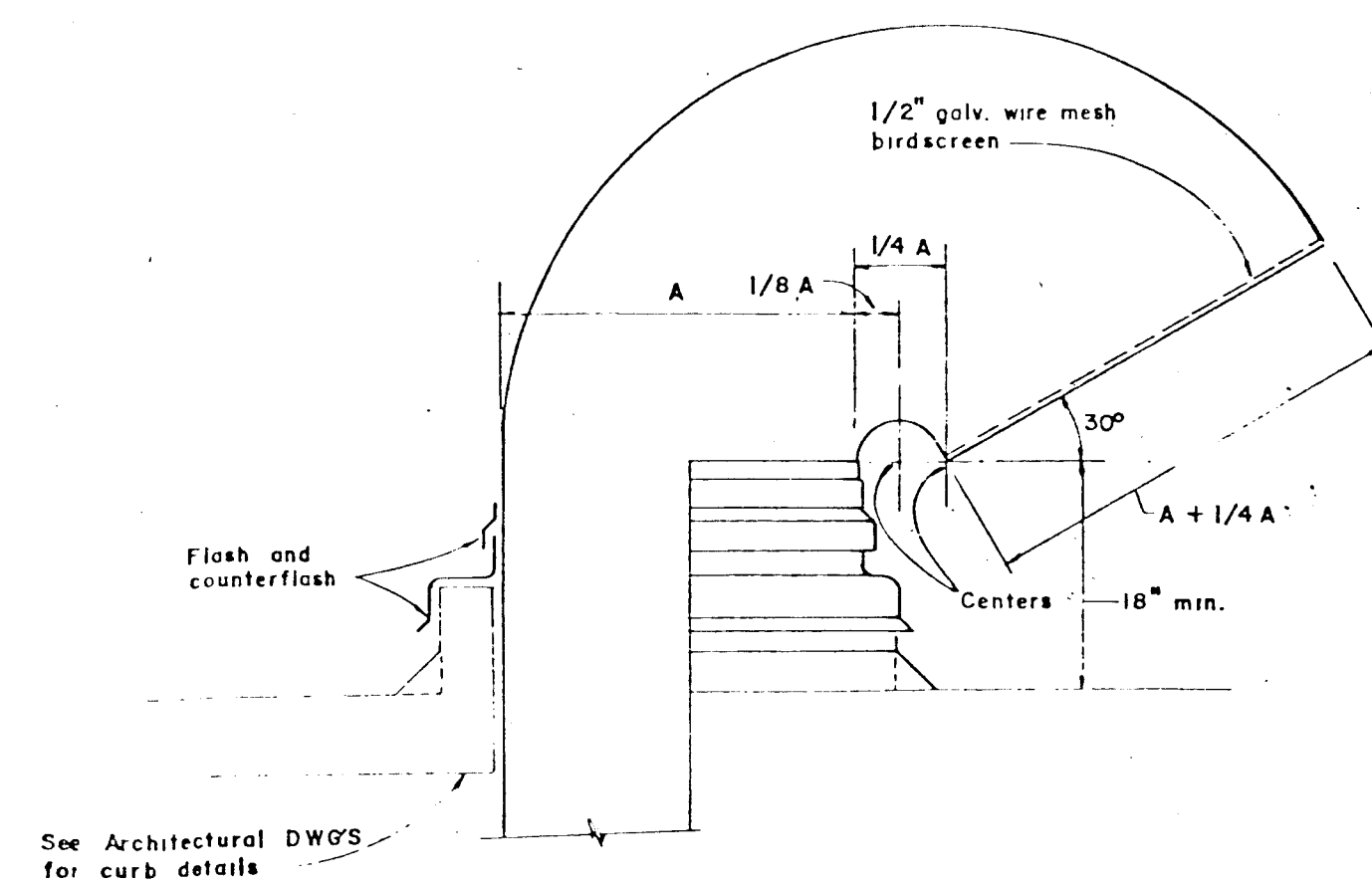
ALBUQUERQUE, NEW MEXICO



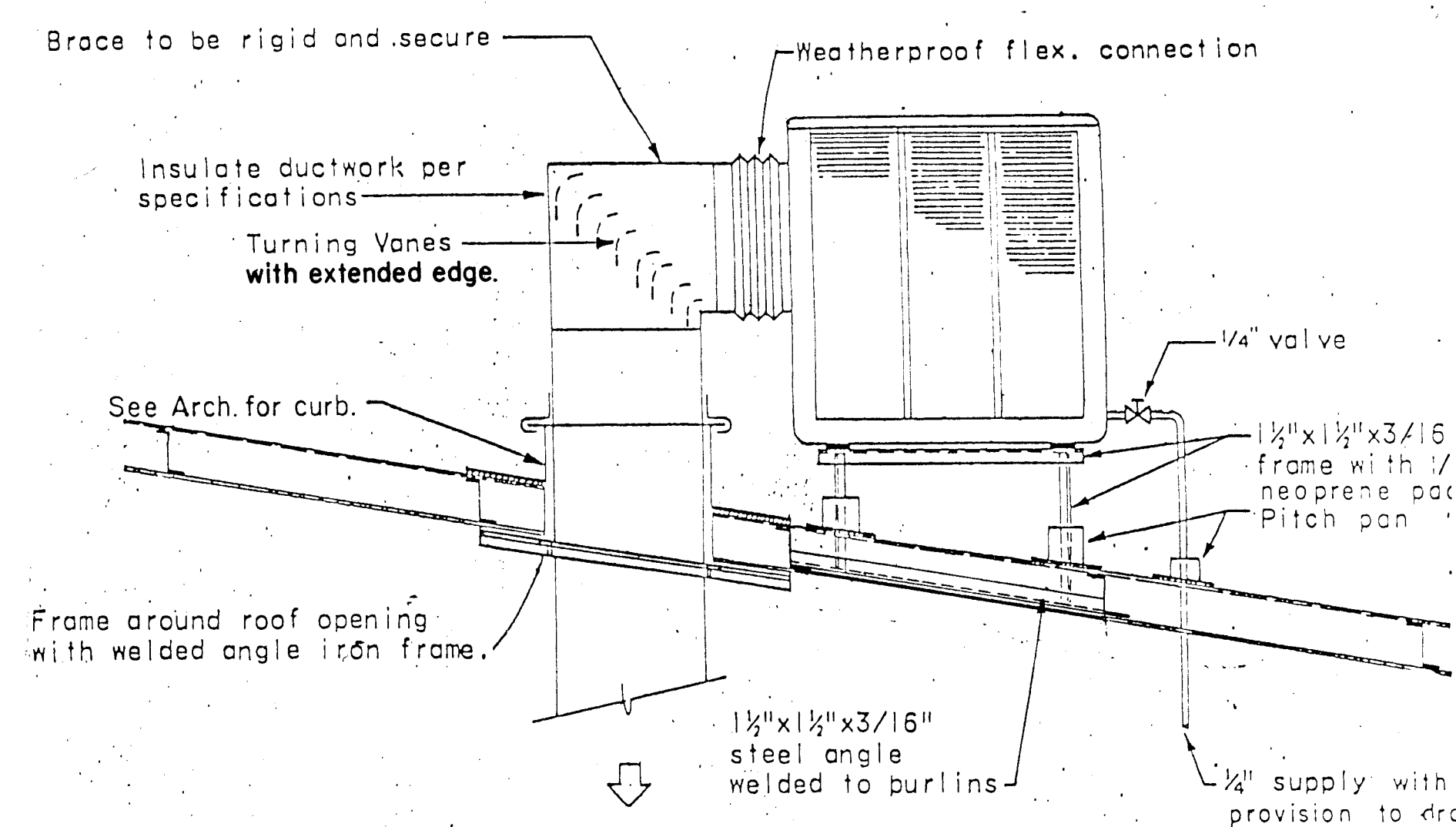
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CHECKED BY B&P		
DATE 9-17-81		
JOB NO. 7901	REVISIONS	OF 4



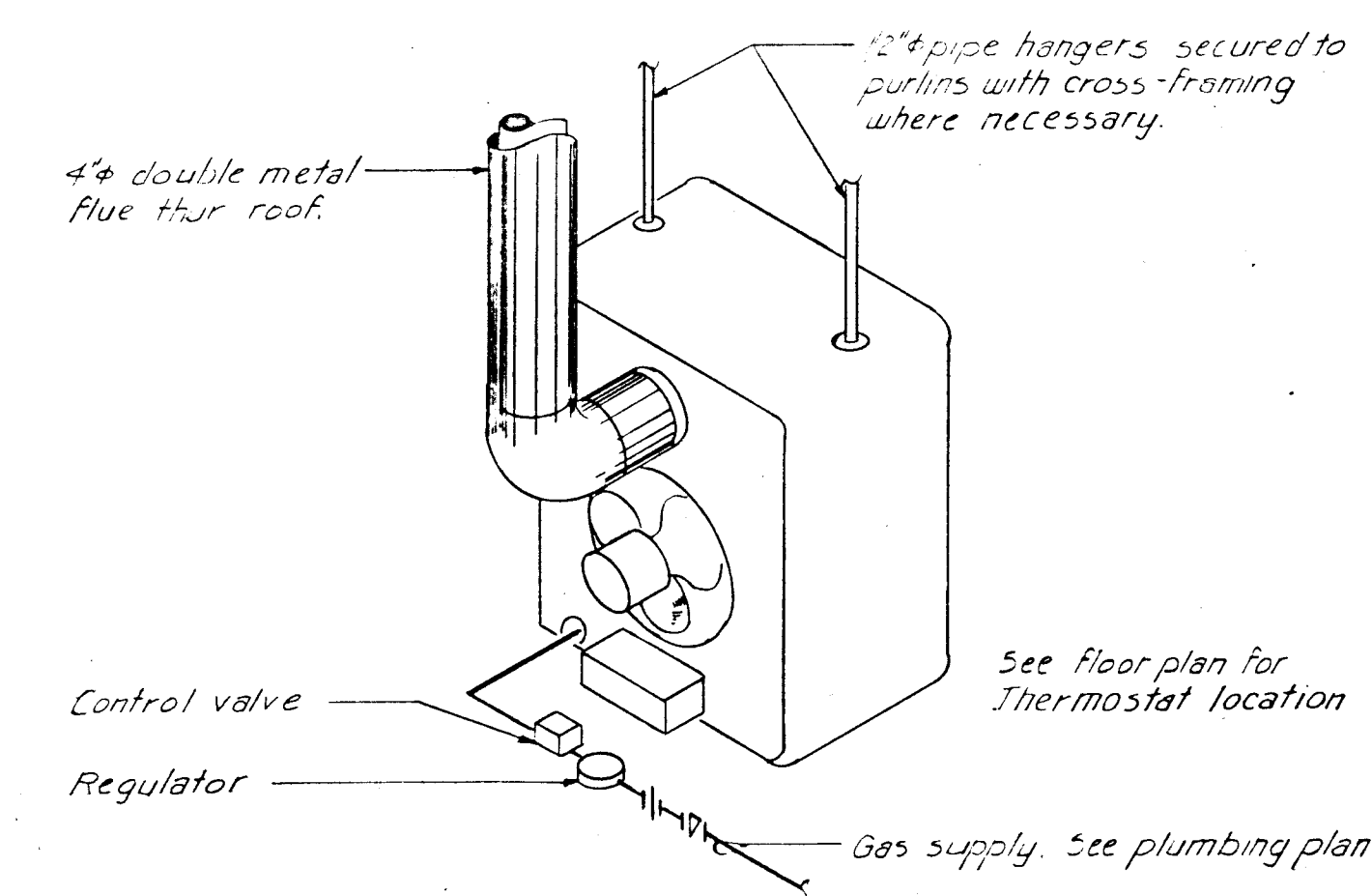
FLEXIBLE TUBE & OVERHEAD DUCT CONNECTION DETAIL 1
M-4



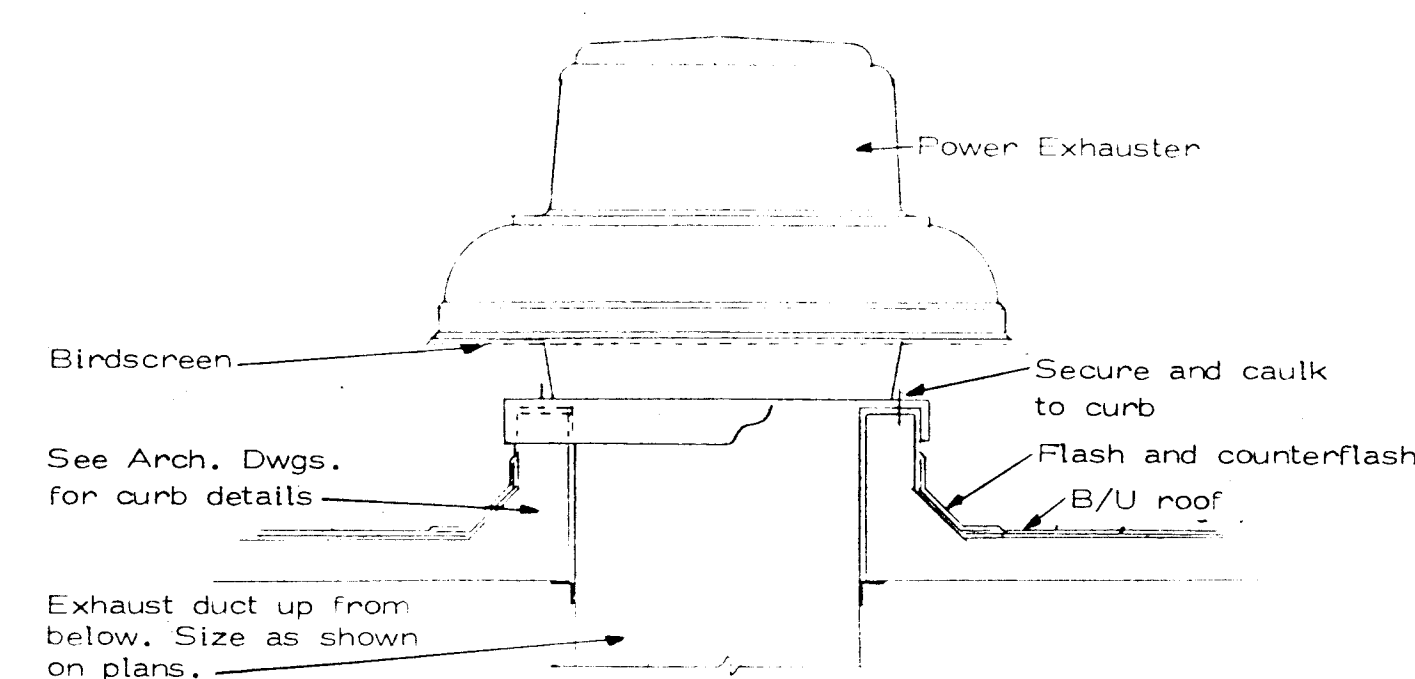
GOOSENECK DETAIL 2
M-4



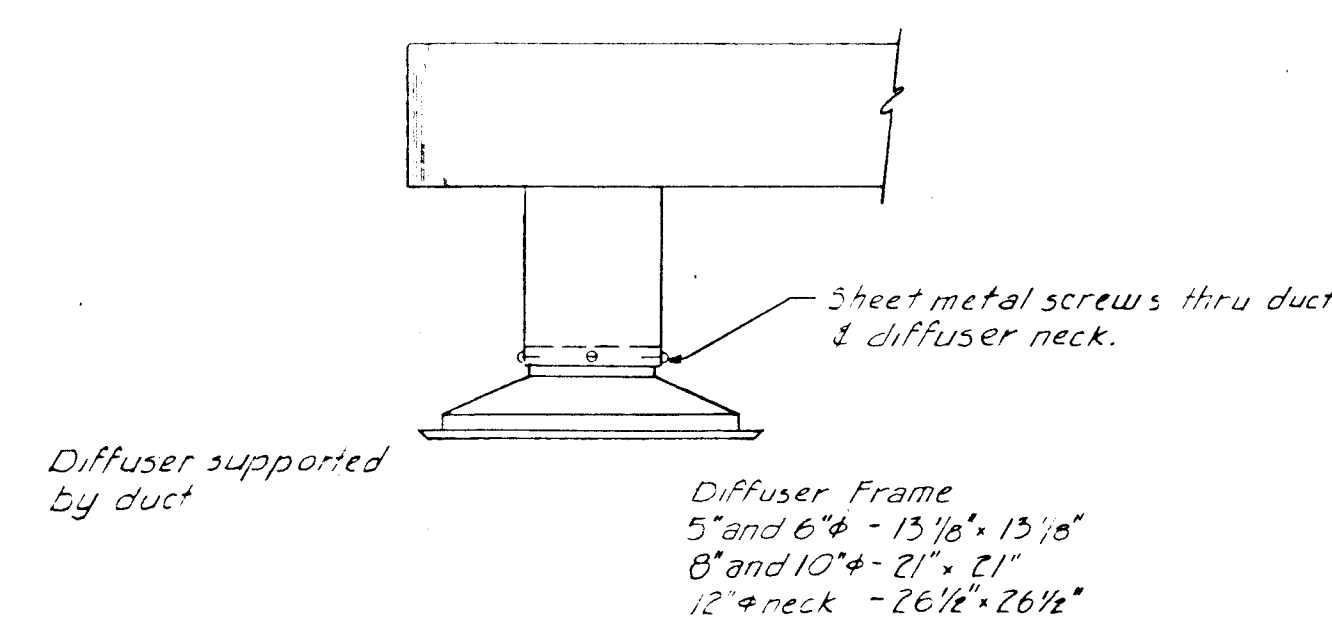
EVAPORATIVE COOLER DETAIL 3
M-4



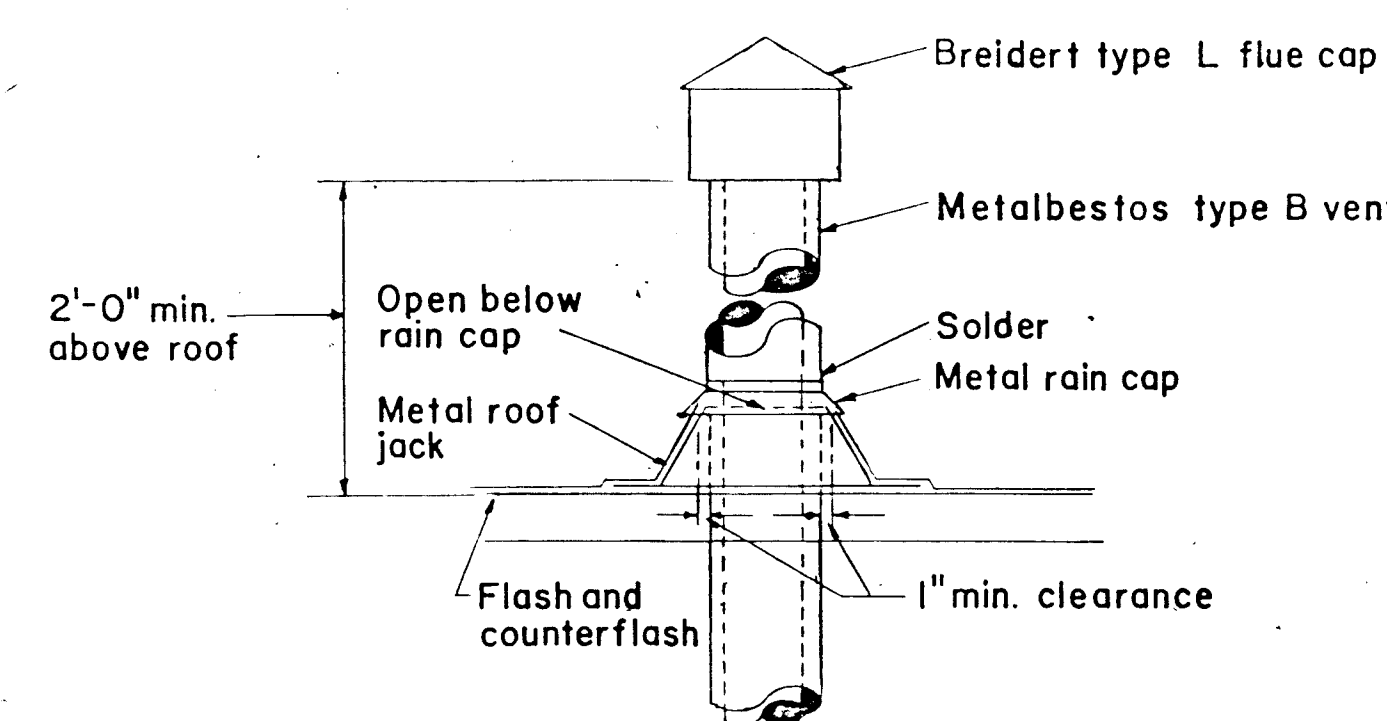
GAS FIRED UNIT HEATER DETAIL 4
M-4



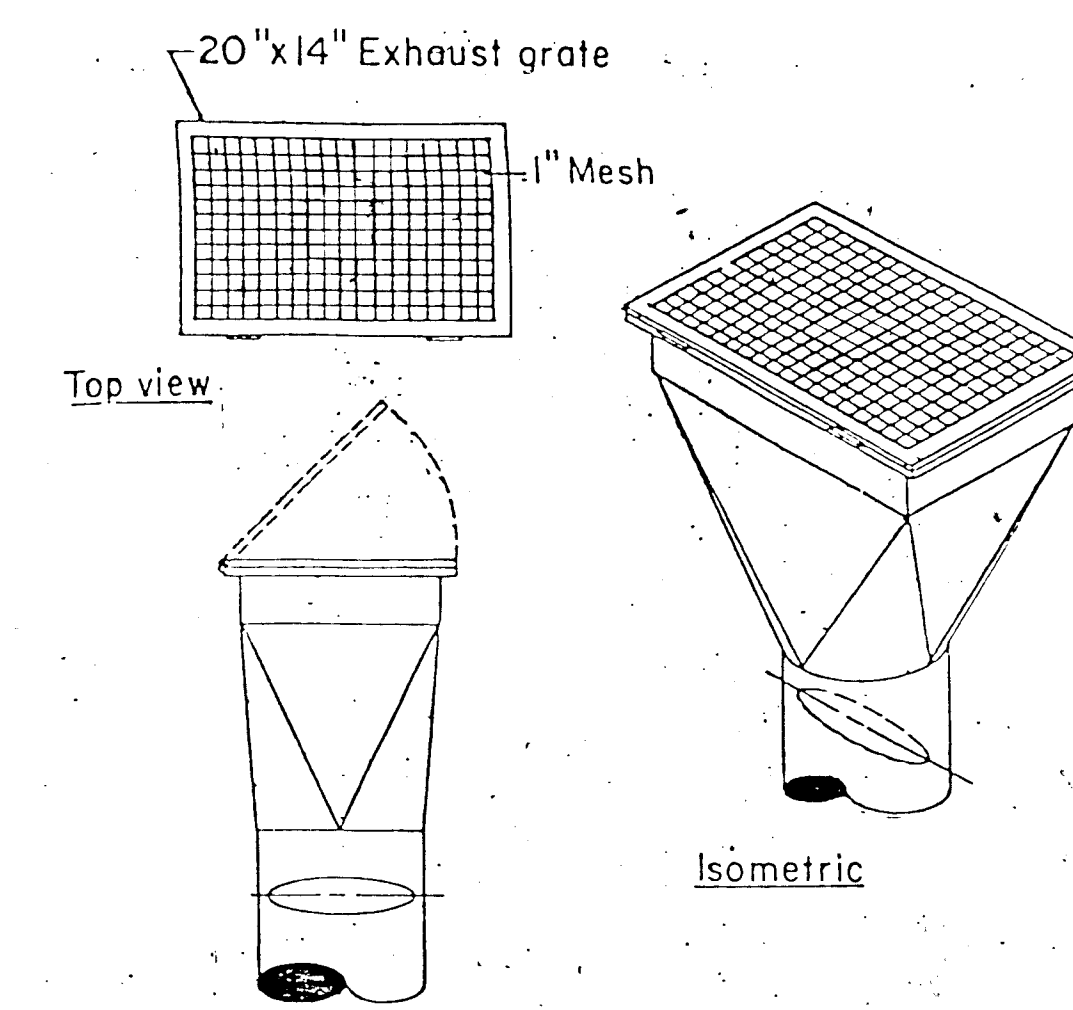
POWER ROOF EXHAUSTER DETAIL 5
M-4



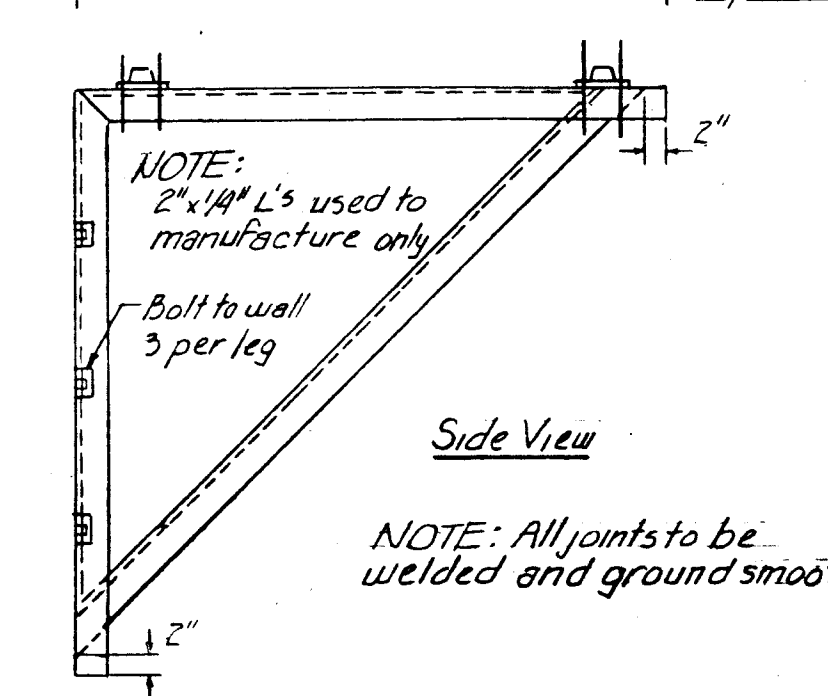
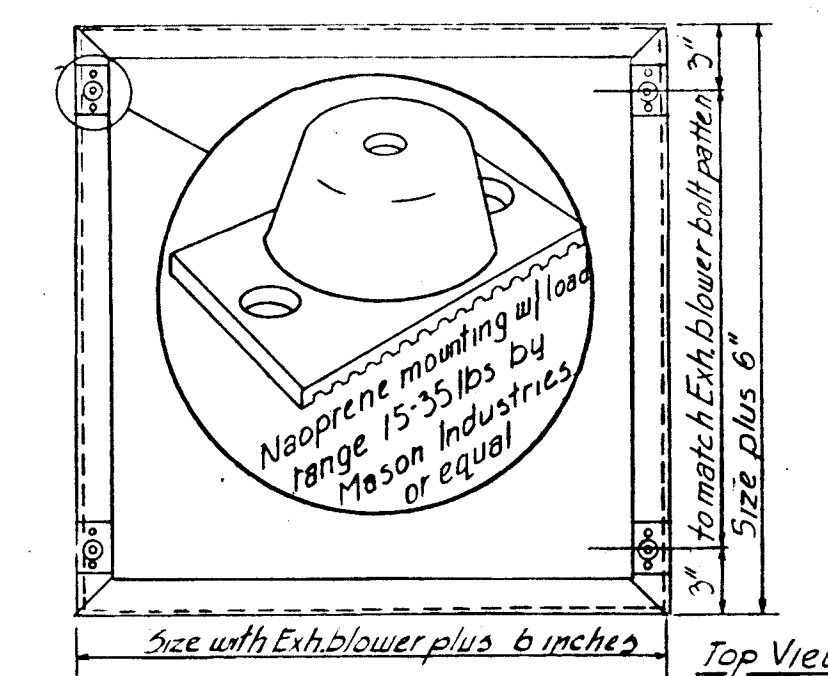
TYPICAL CEILING DIFFUSER FOR NON LAY-IN CEILINGS 6
M-4



ROOF JACK DETAIL 7
M-4



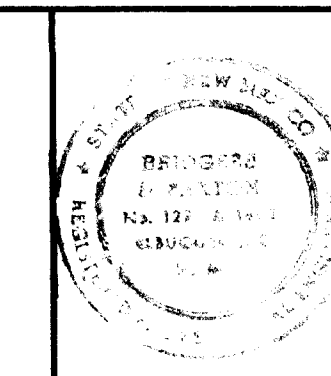
EXHAUST GRATE DETAIL 8
M-4



BLOWER MOUNTING DETAIL 9
M-4

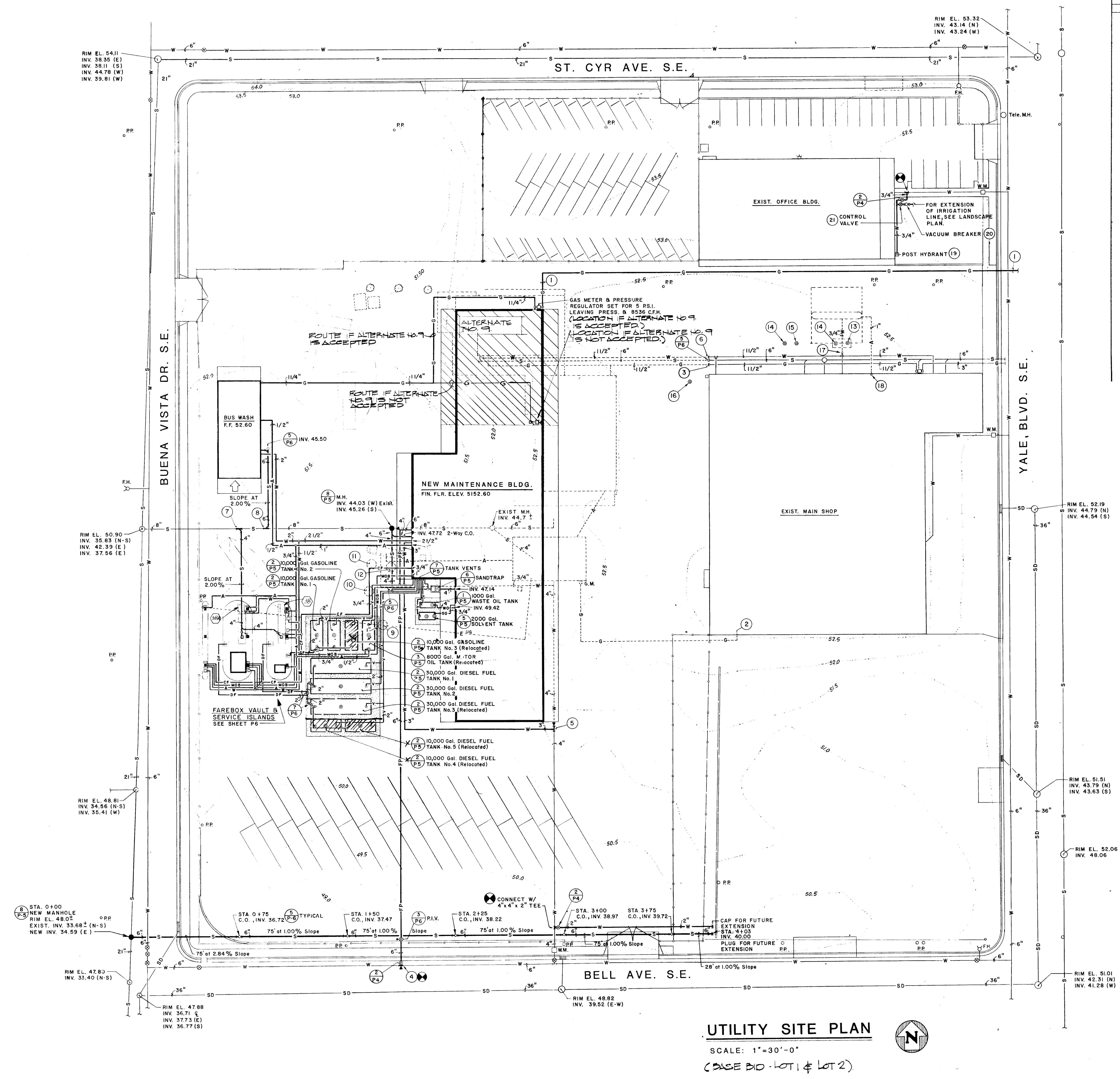
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DATE 9-17-81		
JOB NO. 7901	REVISIONS	OF 4

1 2 3 4 5 6 7 8 9 10 11 12
26 1/7/20/1964



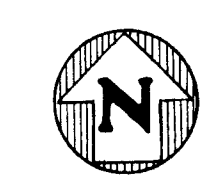
LEGEND			
DESCRIPTION	NEW	EXISTING	TO BE REMOVED
Construction			
Sanitary Sewer	S	S	S
Storm Drain	SD	SD	SD
Water (Domestic)	W	W	W
Air (Compressed)	A	A	A
Gas (Natural)	G	G	G
Motor Oil (Bus)	MOB		
Coolant	CF		
Waste Oil	WO		
Diesel Fuel	DF		
Gasoline Fuel	GF		
Fire Protection	FP		
Power (Underground)			
Power (Aerial)			
Vent	V		
Manhole			
Valve with Valve Box			
Cleanout			
Catch Basin			
Fire Hydrant			
Water Meter			
Gas Meter			
Power Pole			
Light Pole			
Grade Contours			
Fence (Chain Link)			
Post Indicator Valve			
Connection, new piping to existing			
Solvent			
Concrete thrust block			

- KEYED NOTES:**
- Gas service line by the Gas Co. of New Mexico; extend to existing gas main; size as required by Gas Co. CONTRACTOR TO COORDINATE WORK OF GAS COMPANY.
 - Disconnect existing gas line within building and cap piping.
 - Cut and cap existing 1-1/2" gas line; verify size.
 - Connect new 6" fire protection line to existing 6" water main with 6" x 6" tapping sleeve and 6" tapping valve with valve box to grade. Provide concrete thrust block. Connection to the existing water main will be by a "pressurized connection".
 - Connect new 3" water line to existing 4" water line with 4" x 4" plugged tee and 4" x 3" reducer. Provide concrete thrust block.
 - Cut and cap existing 1-1/2" water line; verify size.
 - Connect new 4" soil piping to existing 8" V.C.P. sanitary sewer. Existing invert elevation 43.05.
 - Connect new 6" soil piping to existing 8" V.C.P. sanitary sewer. Existing invert elevation 43.22.
 - Existing 30,000 gallon diesel fuel storage tank (underground) shall be removed and relocated; see Specifications.
 - Existing 8,000 gallon motor oil storage tank (underground) shall be removed and relocated; see Specifications.
 - Existing motor oil pump and appurtenances (underground) to be removed and returned to Owner.
 - Existing diesel fuel pump and appurtenances (underground) to be removed and returned to Owner.
 - Existing 10,000 gallon gasoline storage tank (underground) shall be removed and relocated; see Specifications.
 - Existing 10,000 gallon diesel fuel storage tank (underground) shall be removed and relocated; see Specifications.
 - Existing underground storage tank, verify type and size, shall be removed and returned to the Owner.
 - Existing solvent storage tank (underground) 4" dia. x 11" shall remain.
 - Disconnect existing 3/4" water service and plug. Verify location.
 - Disconnect existing 1" air line within building and cap piping.
 - Non-freeze post hydrant with 3/4" hose thread and vacuum breaker, 3'-0" bury, provide concrete pedestal 12" height above finish grade and 18" square gravel sump. Zurn Z-1385-5.
 - Vacuum breaker, 3/4" size, mount 6" above finish grade. Rainbird Model No. AVB-075.
 - Irrigation system control valve, 3/4" size, Rainbird Model MAV-3/4". Provide 2" diameter PVC valve box with valve marker cover, Rainbird No. 63100. Include tee handle valve wrench.
- GENERAL NOTES:**
- For exact location of fare box vault-service islands, bus wash and underground storage tank complex see the site layout and grading plan.
 - ALL REMOVALS & UTILITIES INSTALLATION SHOWN ON THIS SHEET SHALL BE INCLUDED IN BASE BID LOT 1.
 - UNDER BASE BID LOT 1 UTILITIES SHALL BE TERMINATED & CAPPED 2'-0" OUTSIDE FACILITY TO BE SERVED. EXTENSION TO FACILITY & CONNECTION TO ITEMS ETC. SHALL BE INCLUDED IN BASE BID LOT 2.
 - SEE SPECIFICATIONS FOR SEQUENCE OF REMOVALS.

UTILITY SITE PLAN

SCALE: 1"=30'-0"

(BASE BID LOT 1 & LOT 2)

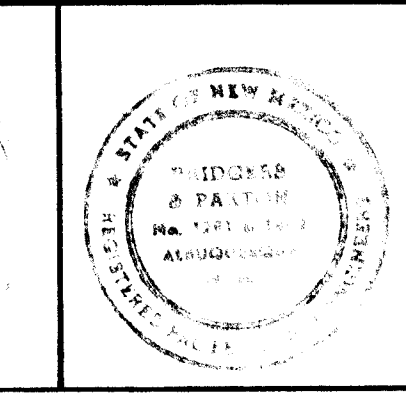


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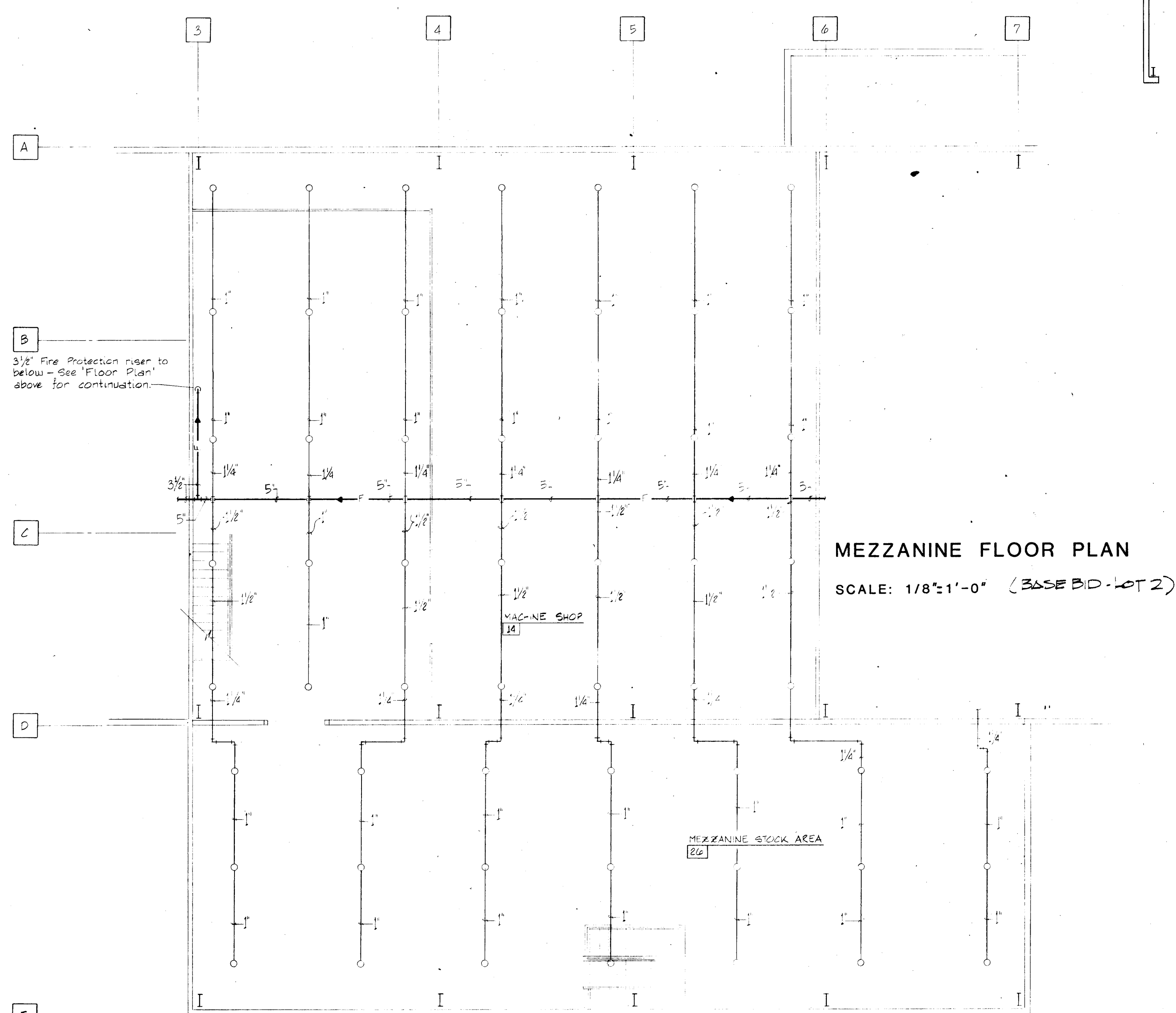
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TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE

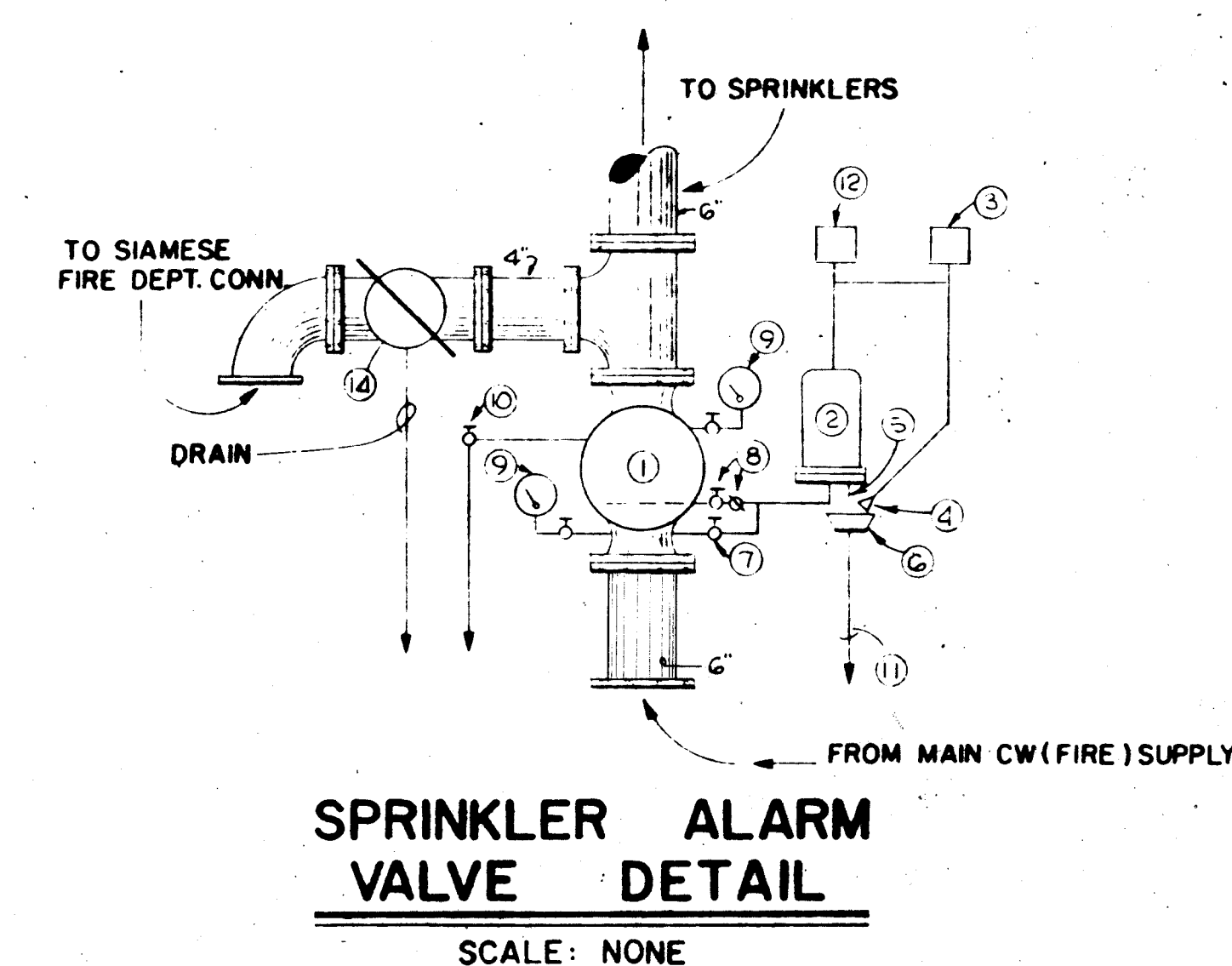
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CHECKED BY B&P	DATE 9-17-81	REVISIONS
JOB NO. 7901		OF 6



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



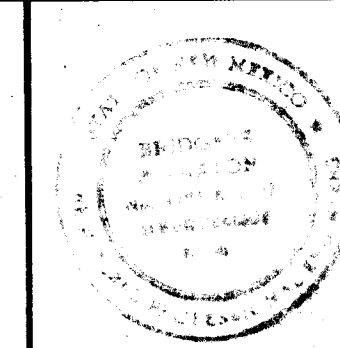
- | | |
|--|--|
| 1. ALARM CHECK VALVE | 8. ALARM SHUT-OFF VALVE & CHECK VALVE
(normally closed) |
| 2. RETARDING CHAMBER | 9. WATER PRESSURE GAGES |
| 3. WATER MOTOR ALARM | 10. MAIN DRAIN VALVE |
| 4. RESTRICTED VENT | 11. DRIP CUP DRAIN |
| 5. AUTOMATIC DRIP | 12. ALARM SWITCH |
| 6. DRIP CUP | 13. - |
| 7. ALARM TEST VALVE
(normally shut) | 14. CHECK VALVE / BALL VALVE
(Note: Run oil drain lines to floor drain) |

1	2	3	4	5	6	7	8	9	10	11	12
26			1	7	2	0	2	2	5	4	

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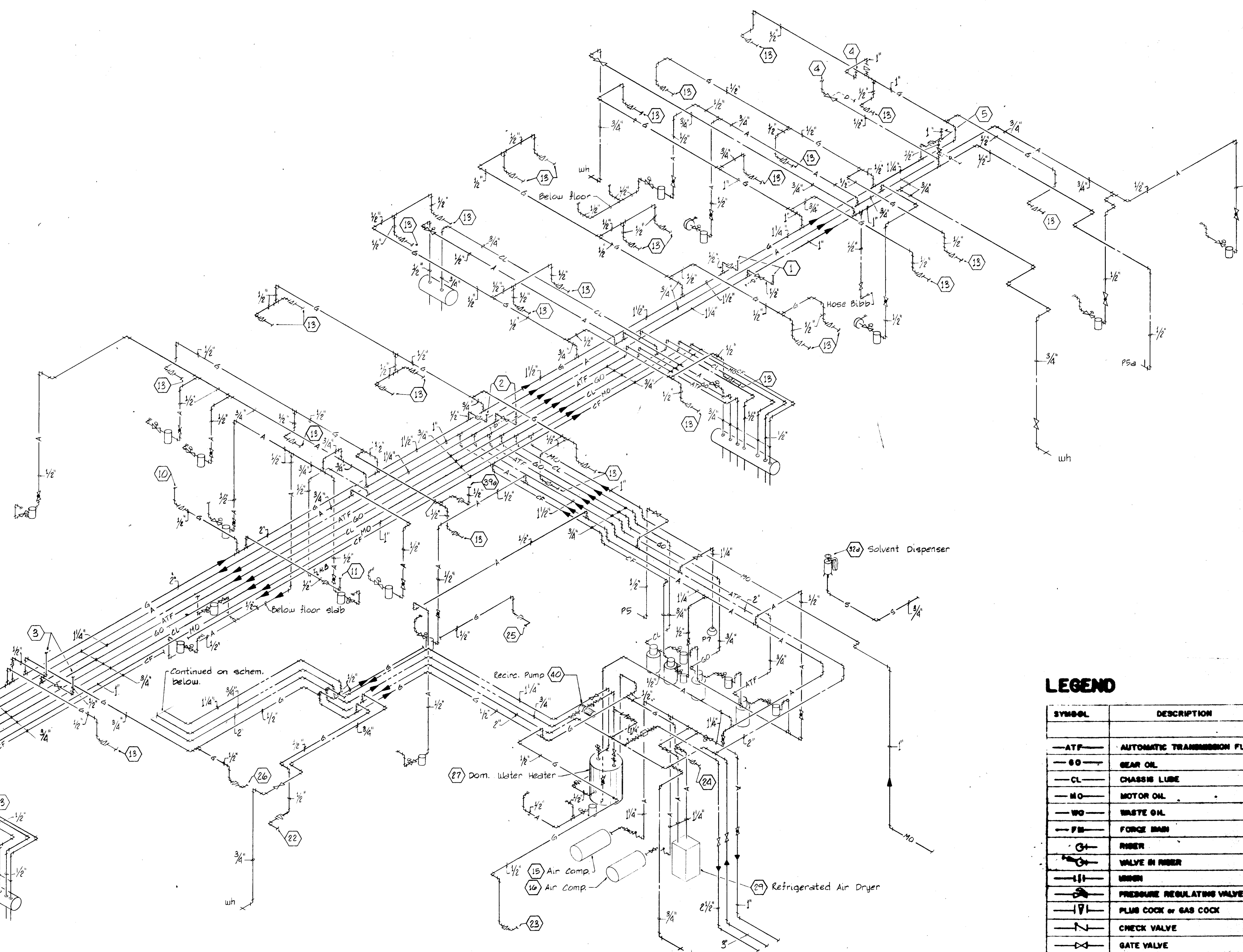
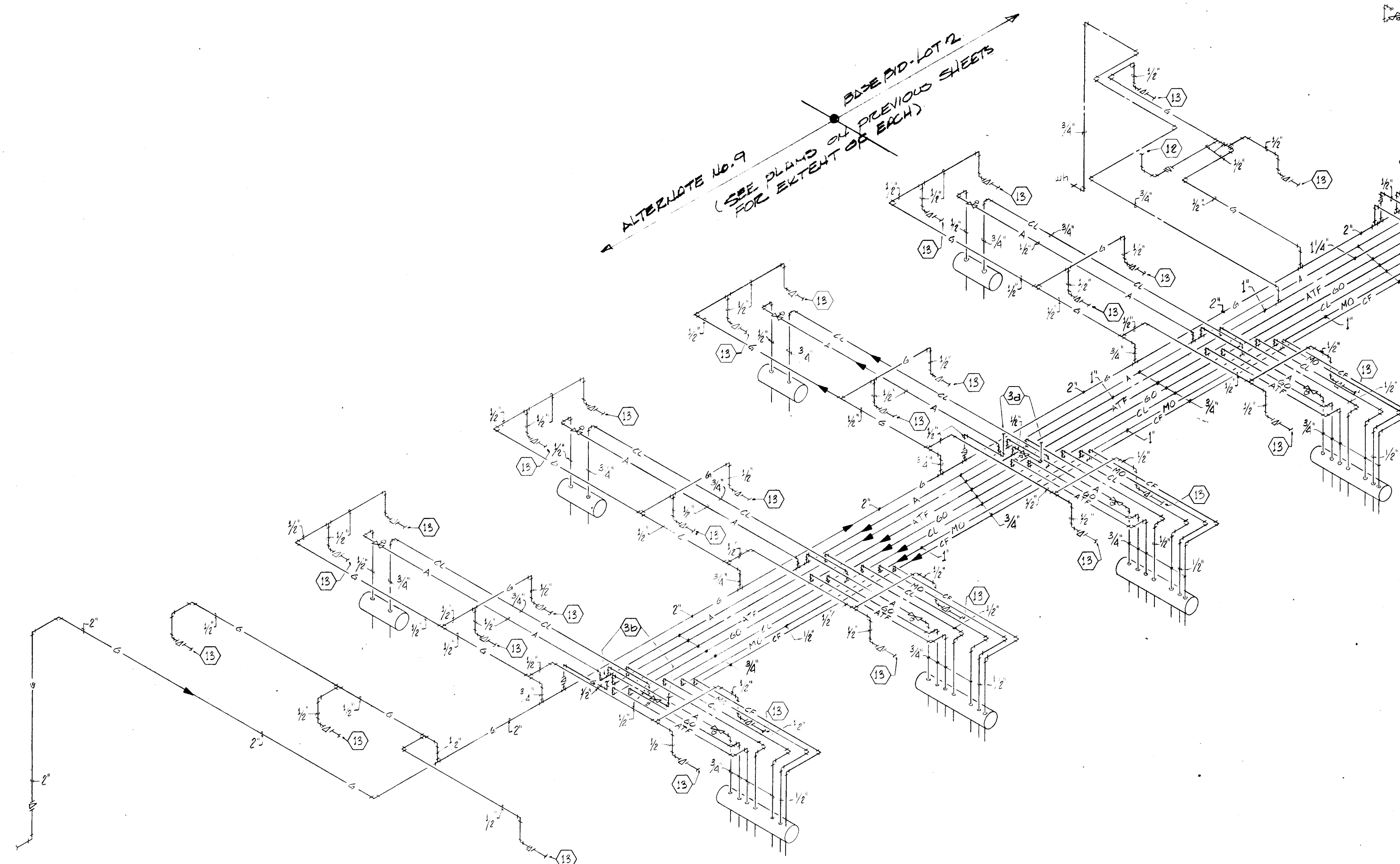
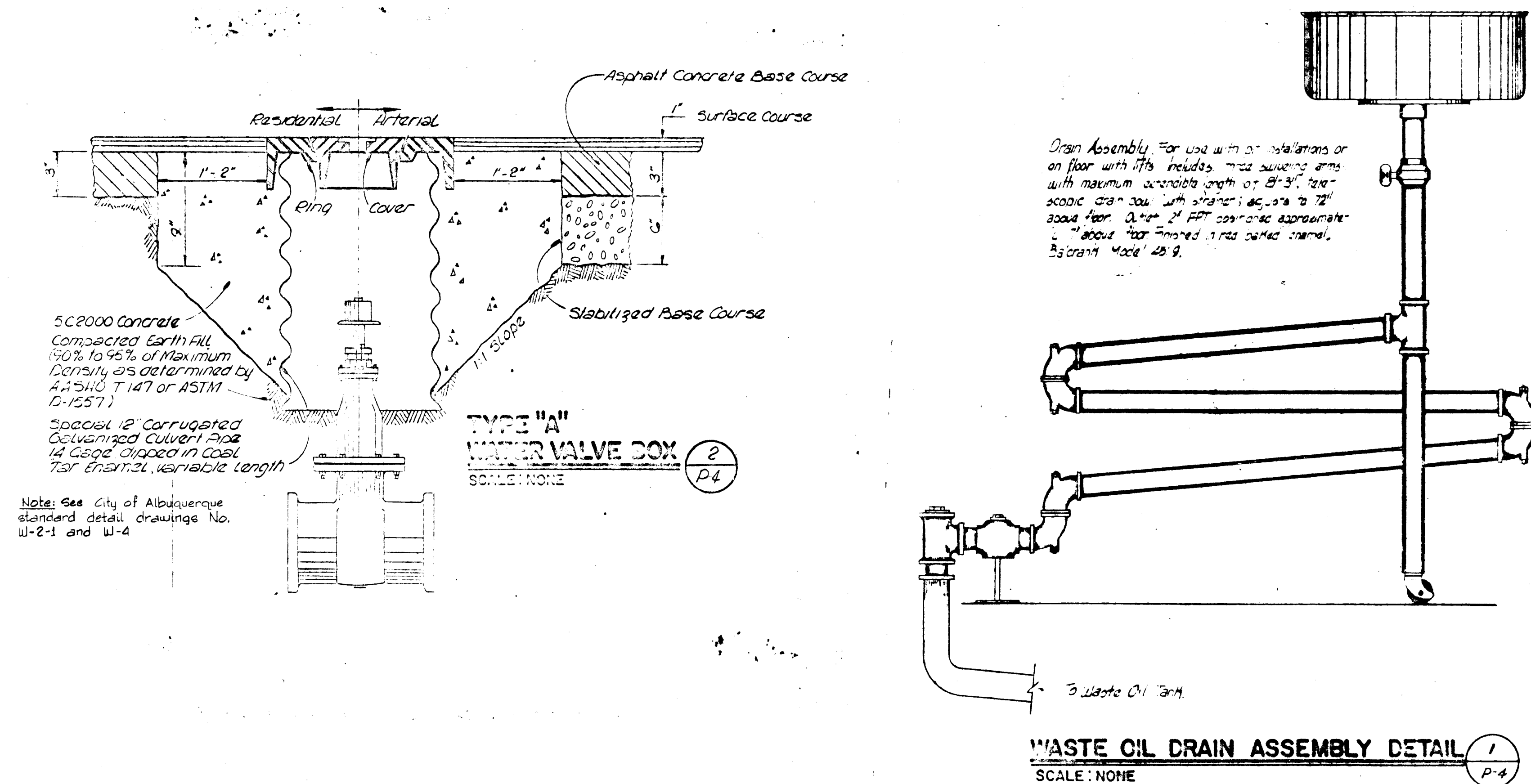
TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE

ALBUQUERQUE, NEW MEXICO



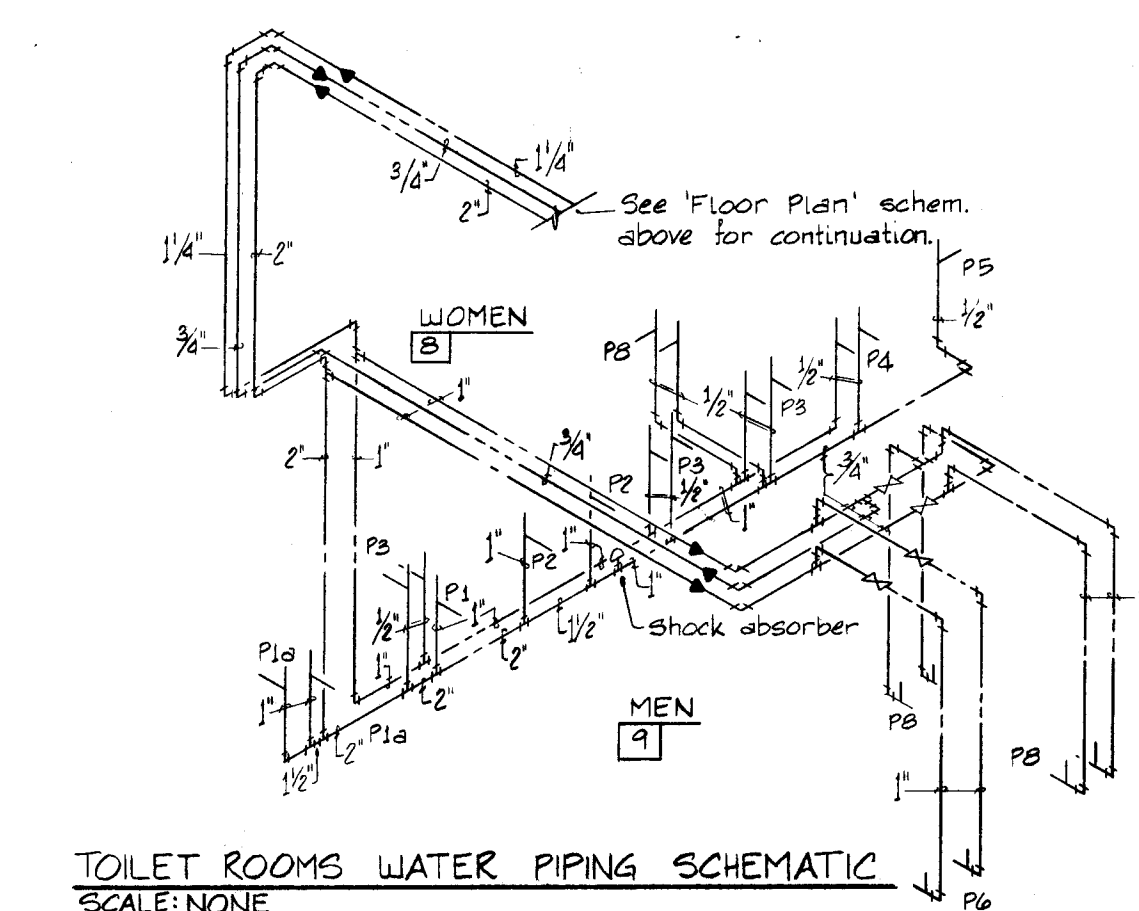
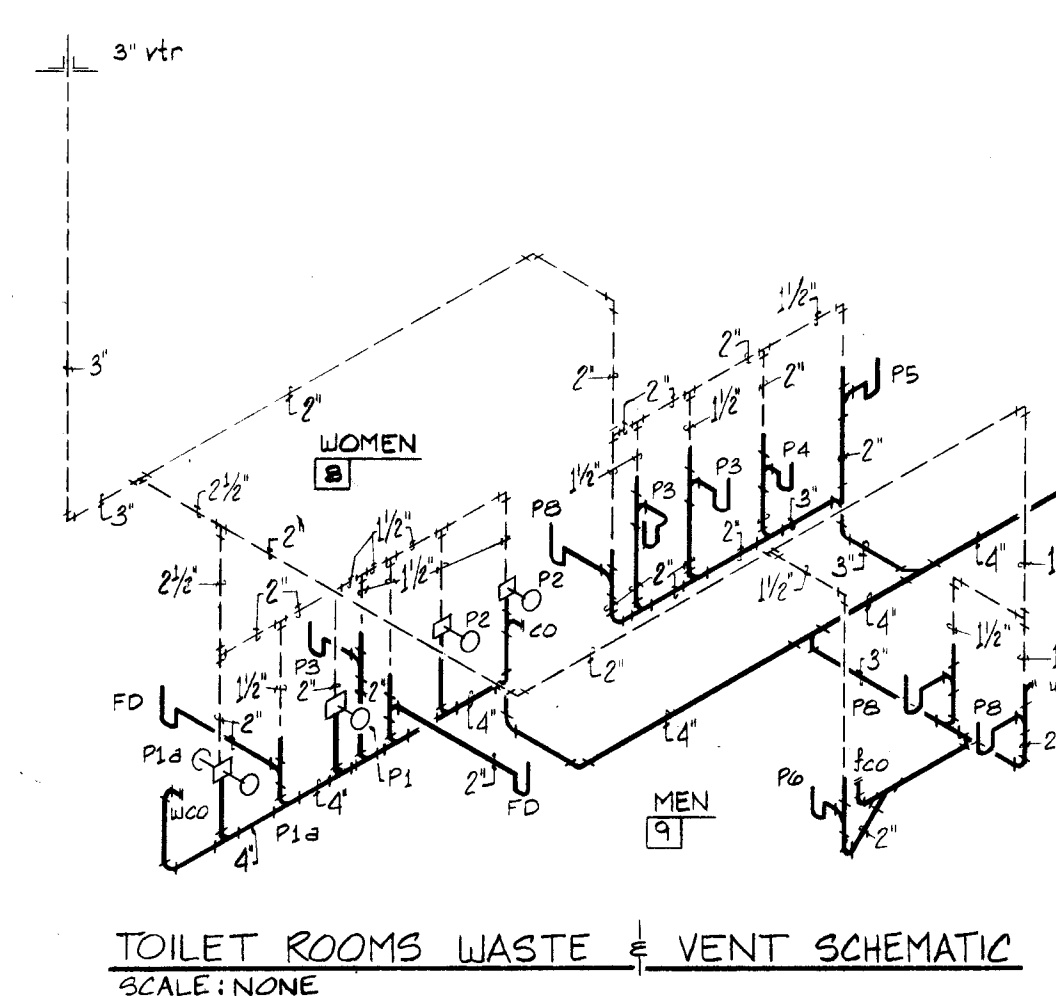
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CHECKED BY BaP	
DATE 9-17- 81	
JOB NO. 7901	REVISIONS

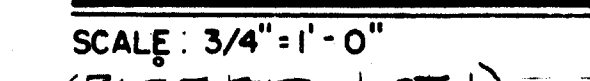
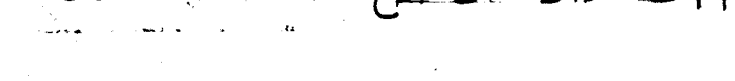
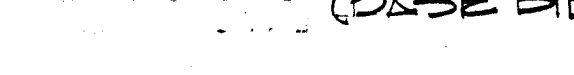
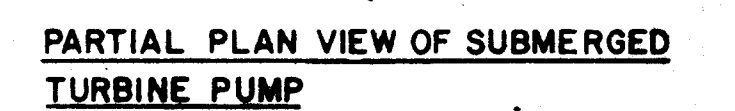
SHEET NO.
P-3
OF 6

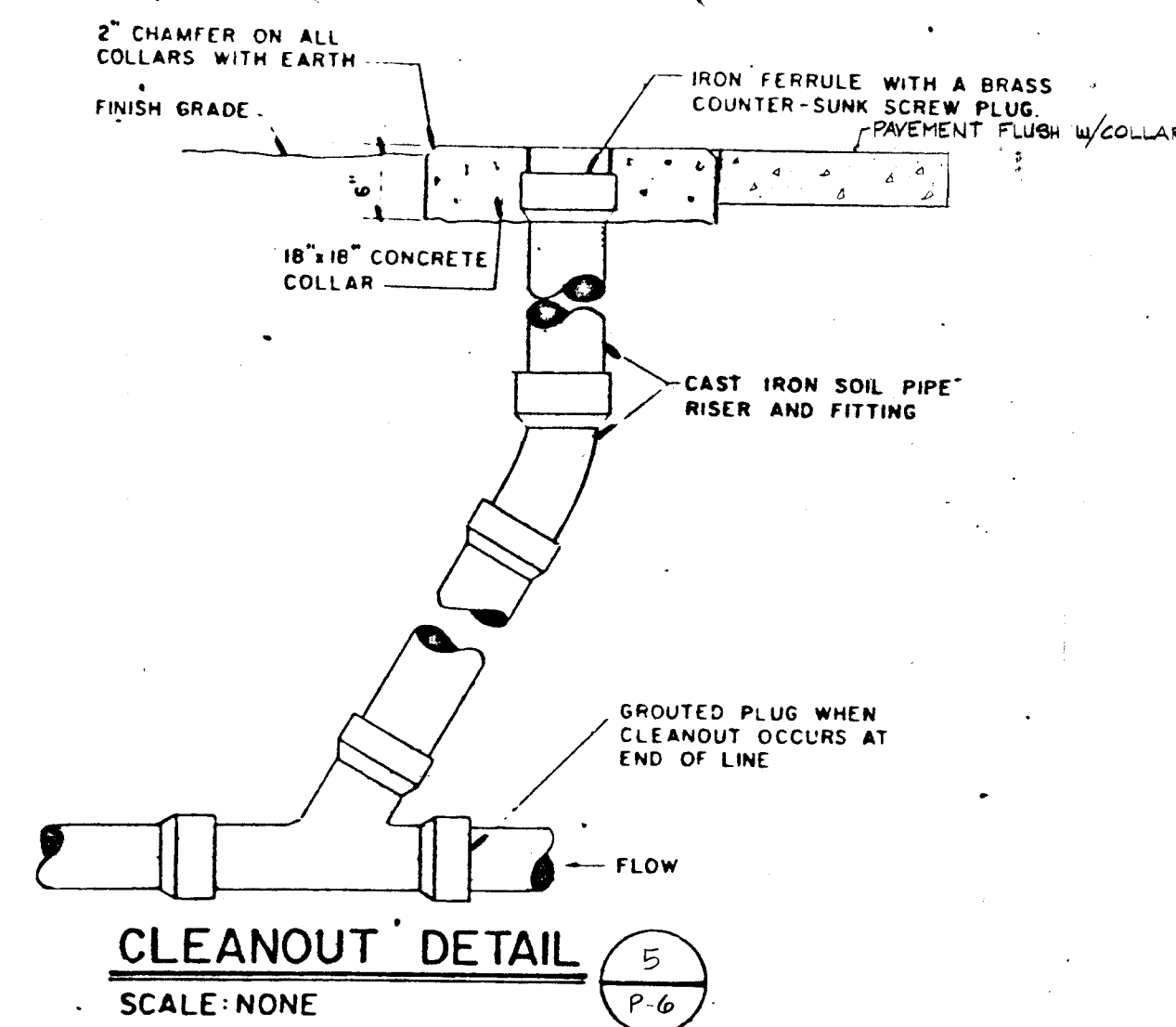


LEGEND

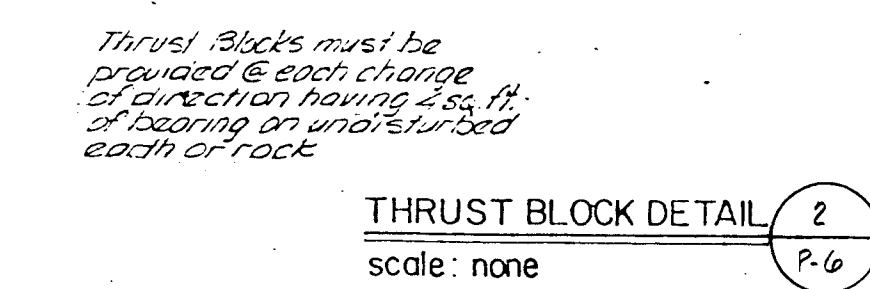
SYMBOL	DESCRIPTION
—ATF—	AUTOMATIC TRANSMISSION FLUID
—G—	GEAR OIL
—CL—	CHASSIS LUBE
—MO—	MOTOR OIL
—WO—	WASTE OIL
—FB—	FORCE MAIN
—O—	RISER
—V—	VALVE IN RISER
—M—	MANHOLE
—R—	PRESSURE REGULATING VALVE
—F—	FLUE COCK or GAS COCK
—N—	CHECK VALVE
—G—	GATE VALVE
—O—	GLOBE VALVE
—C—	COLD WATER
—H—	HOT WATER
—S—	HOT WATER RETURN
—S—	SANITARY SEWER
—V—	VENT
VTR	VERT THROUGH-ROOF
—FC—	FLOOR CLEANOUT
FB	FLOOR DRAIN
FS	FLOOR SINK
—G—	GAS
—A—	AIR
—CF—	COOLANT FLUID
—S—	SOLVENT FLUID



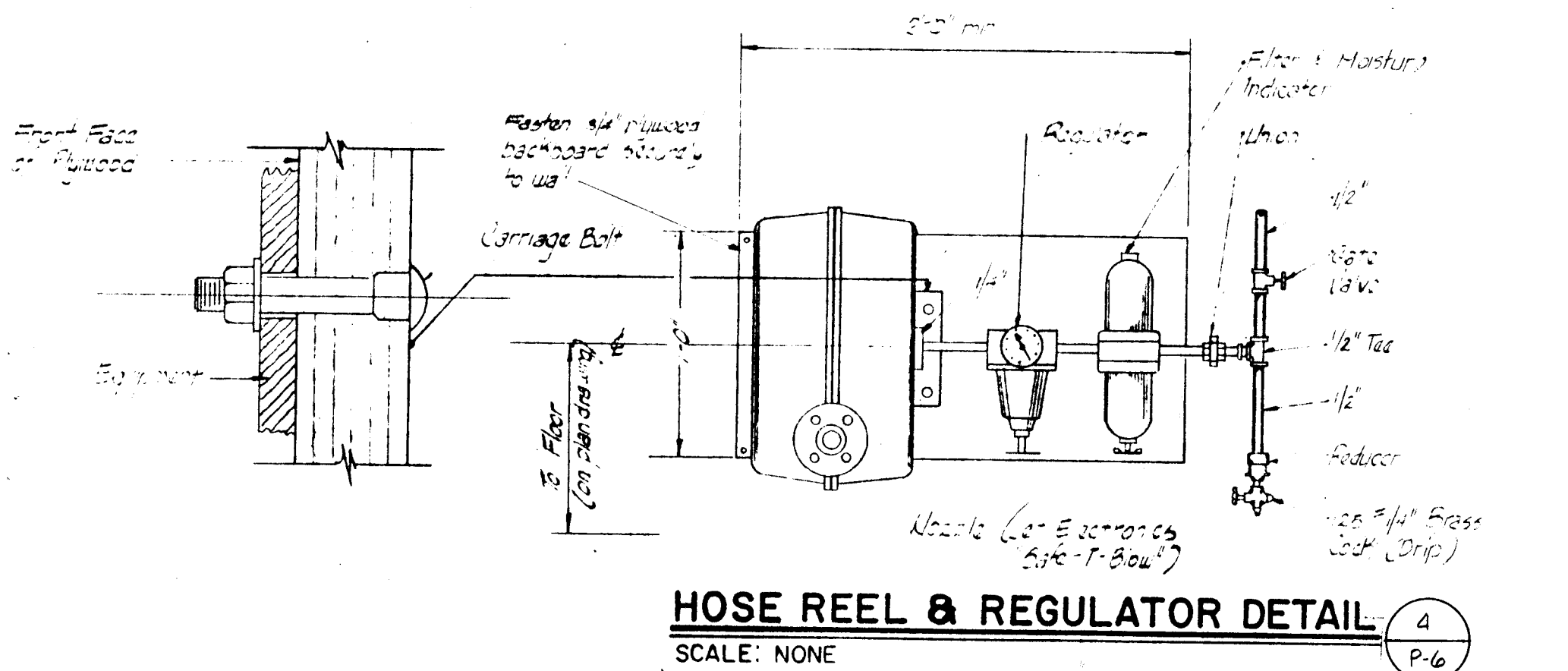




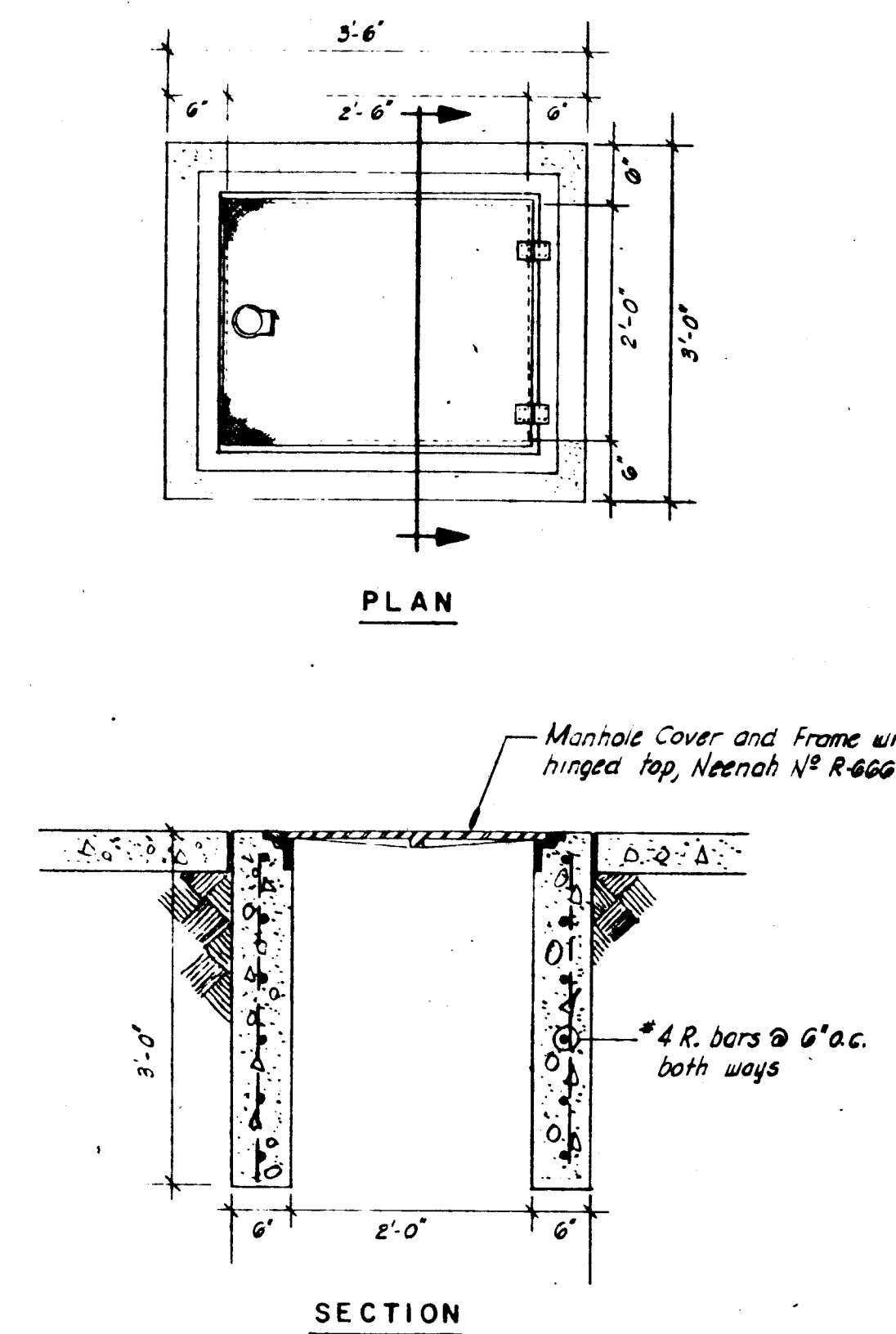
CLEANOUT DETAIL
SCALE: NONE



SUMP PUMP DETAIL
SCALE: NONE

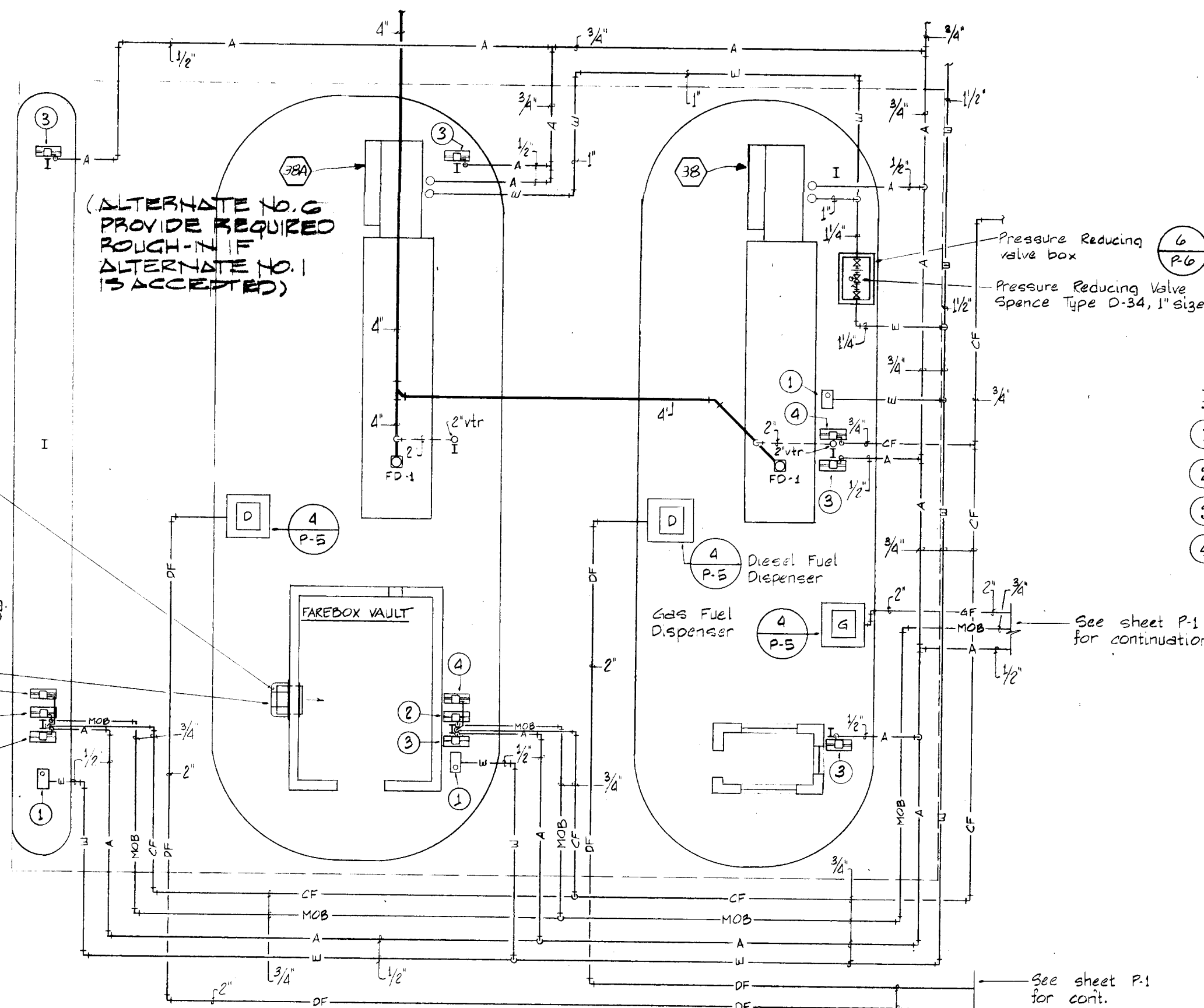


HOSE REEL & REGULATOR DETAIL (4)
SCALE: NONE P-6

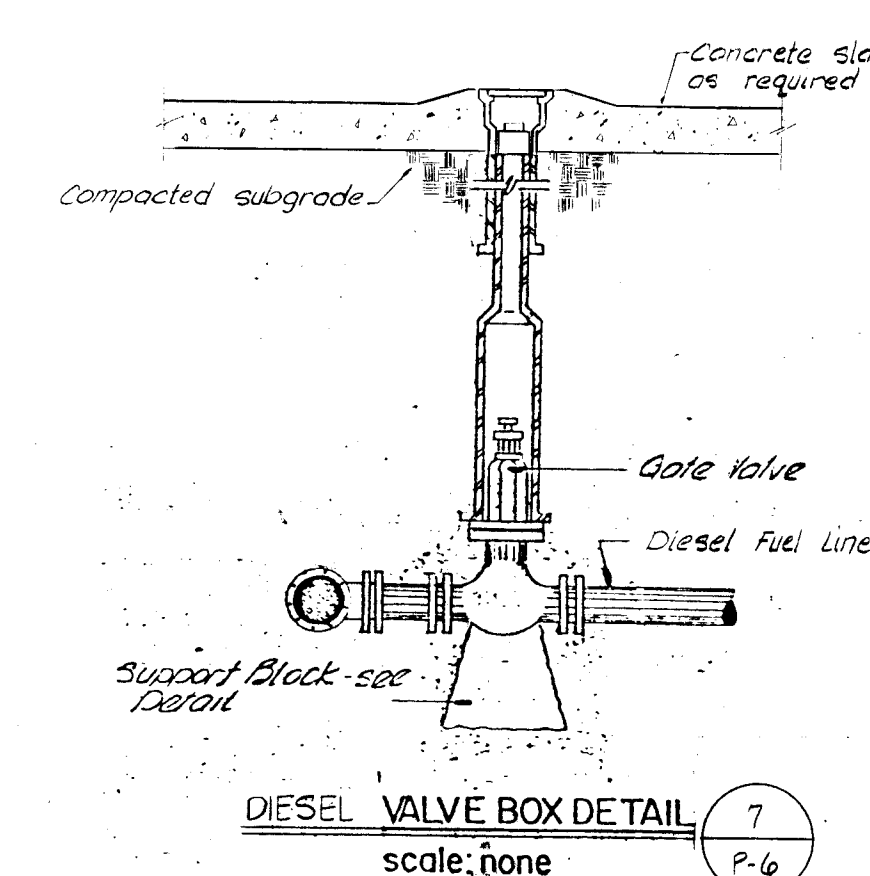


VALVE PIT DETAIL

SCALE: 3/4" = 1'-0"



FAREBOX VAULT & SERVICE ISLAND PLAN
SCALE: 1/8"=1'-0" (ALTERNATE No. 1)



DIESEL VALVE BOX DETAIL

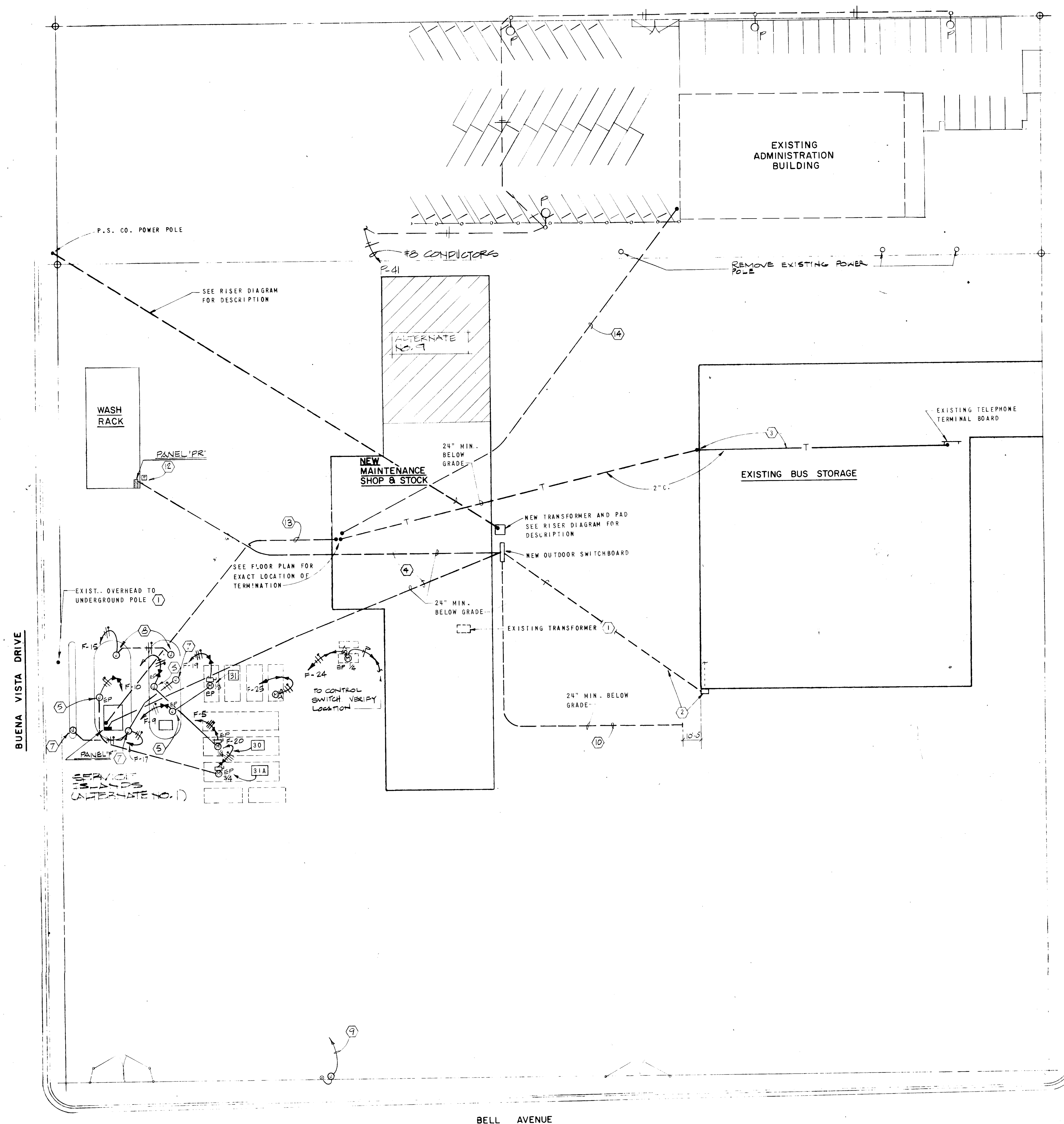
scale: none

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P-6

PLUMBING FIXTURE SPECIFICATIONS	
SYMBOL	DESCRIPTION
P1	WATER CLOSET: (Flush Valve) American Standard "Glenco", No. 2502.011, siphon jet action, vitreous china, 1-1/2" top spud, elongated bowl, wall hung on adjustable carrier by Zurn, Josam, or Smith, flush valve Sloan Royal 110-3 (with retro kit for 3-1/2 gpm discharge) and a Church No. 5321.070 open front white plastic seat with a stainless steel check hinge.
P1a	WATER CLOSET: Same as P1, except mount bowl 18" above finish floor for handicap use.
P2	URINAL: American Standard "Washbrook" Model No. 6500.011, vitreous china, washout urinal with extended shields, 3/4" top spud and 2" outlet, supporting wall hangers. Sloan No. 186-11 flush valve, vacuum breaker, 3/4" angle stop. Chair carrier by Zurn, Josam, or Smith.
P3	LAVATORY: American Standard "Scotian" No. 0361.055, 20" x 18", wall hung on concealed arms (Zurn, Josam or Smith), vitreous china, with perforated drain No. 2411.015. Lavatory faucet shall be the Classic Quatrum fitting with No. 950 handles, 3-3/4" spout, with 1/2 gpm aerator-restrictor, chrome finish, 4" centers, Chicago Faucet No. 1802-E-2805, 3/8" chrome plated supplies with wheel handle stops. 1-1/4" x 1-1/2" chrome plated P-trap. American Standard No. 4420.050.
P3a	HANDICAP LAVATORY: American Standard "Wheelchair Lavatory" No. 9141.011, 20" x 27", wall hung on concealed arms by Zurn, Josam or Smith, with lavatory drain integral perforated grid 1-1/4" x 4" tailpiece No. 2411.015. Lavatory faucet shall be Classic Quatrum fitting with No. 500 handles, 3-3/4" spout, with 1-2 gpm aerator-restrictor, chrome finish, 4" centers - Chicago Faucet No. 1797-E-2805, with 1-1/4" pop-up drain; 3/8" chrome plated supplies with wheel stops, 1-1/4" x 1-1/2" chrome plated P-trap with cast escutcheon and set screw, American Standard No. 4402.061, mounting height as required for handicap use.
P4	SERVICE SINK: American Standard "Lakewell" No. 7692.023 with rim guard No. 8379.018, with drain No. 8302.010, service sink faucet with wall brace, vacuum breaker hose end and stops in shanks 8344.111, and 3" cast iron P-trap 7798.176.
P5	ELECTRIC WATER COOLER: Elkay Model ESWA-13, wall hung, simulated recessed, stainless steel with remote bubbler control, 3/8" supply with stop and 1-1/4" x 1-1/2" chrome plated P-trap.
P5a	ELECTRIC WATER COOLER: Elkay Model EFA-14, floor model, stainless steel, 3/8" supply with stop and 1-1/4" x 1-1/2" chrome plated P-trap.
P6	WASH FOUNTAIN: Bradley 54" semi-circular, foot control, supplies and vent to wall, Bradgals bowl cover as selected by the Architect, powdered soap dispenser, thermostatic mixing valve, restraining bracket, 1" supplies with stops and 2" chrome plated P-trap.
P7	EMERGENCY SHOWER AND EYE WASH FOUNTAIN: Bradley Model S1931-SB-SR, with chrome plated brass 254 mm diameter shower head, self closing shower valve, self closing eye wash valve, stainless steel eye wash bowl - 273 mm in diameter, pipe stand 32 mm diameter with floor flange bolted to floor slab.
P8	SHOWER: Shower stall shall be Fiat Cadet Model 27, 32" x 32" x 81" square type. Wall to be of heavy gauge galvanized - bonderized steel. Finish as per Architect. Threshold to be one piece and of hollow metal construction. Shower floor to be pre-cast Terrazzo Sierra type with 1-1/2" shoulders. Shower fitting as per this specification. Shower control shall be a Powers pressure equalizing Hydroguard No. 401-10 or 11-95 with fixed outlet flow control set for 3.9 gpm (141.185). Furnish unit with check stops. Shower drain shall be Zurn Z-415 with Type "B" strainer and a 2" cast iron P-trap.
FD	Floor drains for finished areas shall be Zurn Z-415 with 6" polished nickel bronze type Y strainer.
FD	Floor drains for unfinished areas shall be Zurn Z-550-C.
FD-1	External floor drain shall be Zurn Z-585-C. Provide 24" tailpiece to 4' R trap.
FS	Floor sink shall be Zurn Z-1955-2.

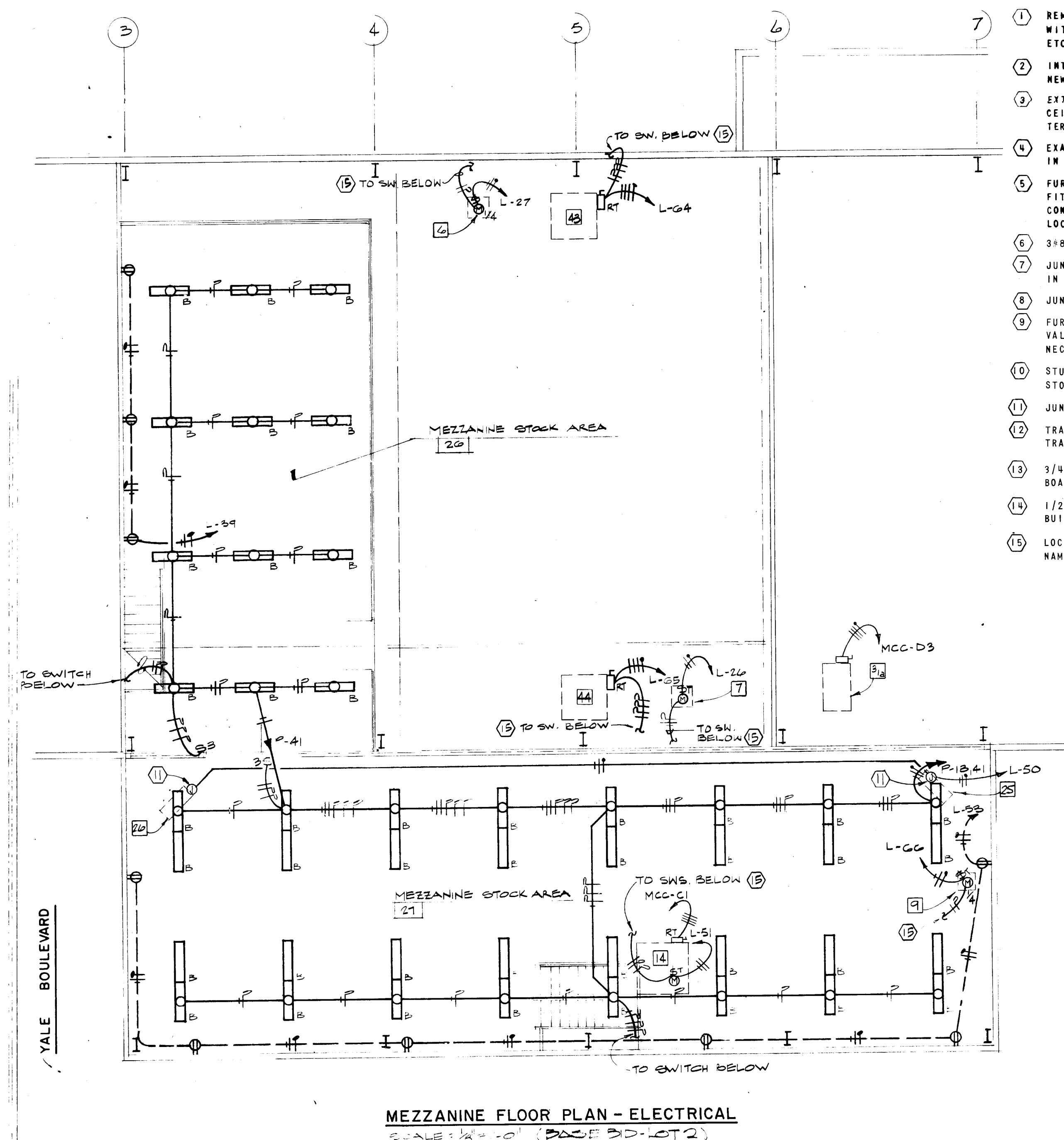
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NOTES:

- 1 REMOVAL & JUNCTION INSTALLATION FROM ON THE PLAN SHALL BE NOTED IN BASE BID LOT 1.
- 2 JUNCTIONS INCLUDED IN BASE BID LOT 1 SHALL BE TERMINATED & CAPPED & NO OTHER FACILITY PROVIDED. EXTENSION TO & CONNECTIONS & FACILITY SHALL BE NOTED IN BASE BID LOT 2.
- 3 SEE SPECIFICATIONS FOR REMOVAL OF REMOVALS.

SITE PLAN - ELECTRICAL
SCALE: 1"=50'-0"
(BASE BID LOT 1 & 2)

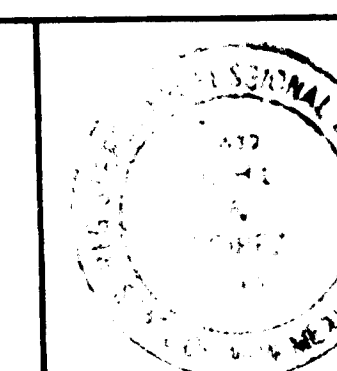


- 1 REMOVE EXISTING TRANSFORMER, TRANSFORMER PAD METERING ENCLOSURE ALONG WITH ASSOCIATED EQUIPMENT, INCLUDING CONDUITS, DISCONNECT SWITCHES, ETC. UPON COMPLETION OF NEW DISTRIBUTION EQUIPMENT.
- 2 INTERCEPT EXISTING CONDUIT, FURNISH AND INSTALL NEW PULLBOX AND EXTEND NEW CONDUIT AND CONDUCTORS TO NEW SECONDARY SERVICE.
- 3 EXTEND CONDUIT FROM EXISTING TELEPHONE TERMINAL BOARD ACROSS EXISTING CEILING SPACE, DOWN SIDE OF BUILDING AND THEN UNDERGROUND TO NEW TERMINAL BOARD. VERIFY ROUTING.
- 4 EXACT LOCATION OF CONDUITS SHALL BE CLOSELY COORDINATED IN THE FIELD IN ORDER TO AVOID CONFLICT WITH PLUMBING, GAS LINES, AIR, ETC.
- 5 FURNISH AND INSTALL EXPLOSION PROOF JUNCTION BOX WITH ALL NECESSARY FITTINGS FOR CONNECTION OF DISPENSING UNIT. MAKE ALL REQUIRED CONNECTIONS BETWEEN DISPENSING UNIT AND FUEL PUMP. VERIFY EXACT LOCATION IN THE FIELD.
- 6 3/4" THW & 1/2" GND. IN 1" CONDUIT.
- 7 JUNCTION BOX FOR CONNECTION OF HEATING ELEMENT. VERIFY EXACT LOCATION IN THE FIELD AND MAKE ALL CONNECTIONS REQUIRED.
- 8 JUNCTION BOX FOR CONNECTION OF HEAT TAPE. VERIFY LOCATION.
- 9 FURNISH AND INSTALL JUNCTION BOX FOR CONNECTION OF POST INDICATION VALVE. EXTEND CONDUIT AND CONDUCTORS TO FIRE ALARM PANEL AND MAKE ALL NECESSARY CONNECTIONS.
- 10 STUB 3" EMPTY CONDUIT, 24" MIN. BELOW GRADE AND CAP FOR FUTURE BUS STORAGE ADDITION.
- 11 JUNCTION BOX FOR CONNECTION OF UNIT HEATER.
- 12 TRANSFORMER SHALL BE INSTALLED OUTSIDE BLDG. ON A CONCRETE PAD. FURNISH TRANSFORMER WITH OUTDOOR ENCLOSURE.
- 13 3/4" EMPTY CONDUIT WITH PULLWIRE, TERMINATE AT TELEPHONE TERMINAL BOARD AND AT FAREBOX VAULT AS DIRECTED IN THE FIELD.
- 14 1/2" CONDUIT, 24" MINIMUM BELOW GRADE. TERMINATE AT ADMINISTRATION BUILDING AND AT TELEPHONE TERMINAL BOARD AS DIRECTED IN THE FIELD.
- 15 LOCATE CONTROL SWITCH AS DIRECTED IN THE FIELD. FURNISH ENGRAVED NAMEPLATE IDENTIFYING EQUIPMENT CONTROLLED.

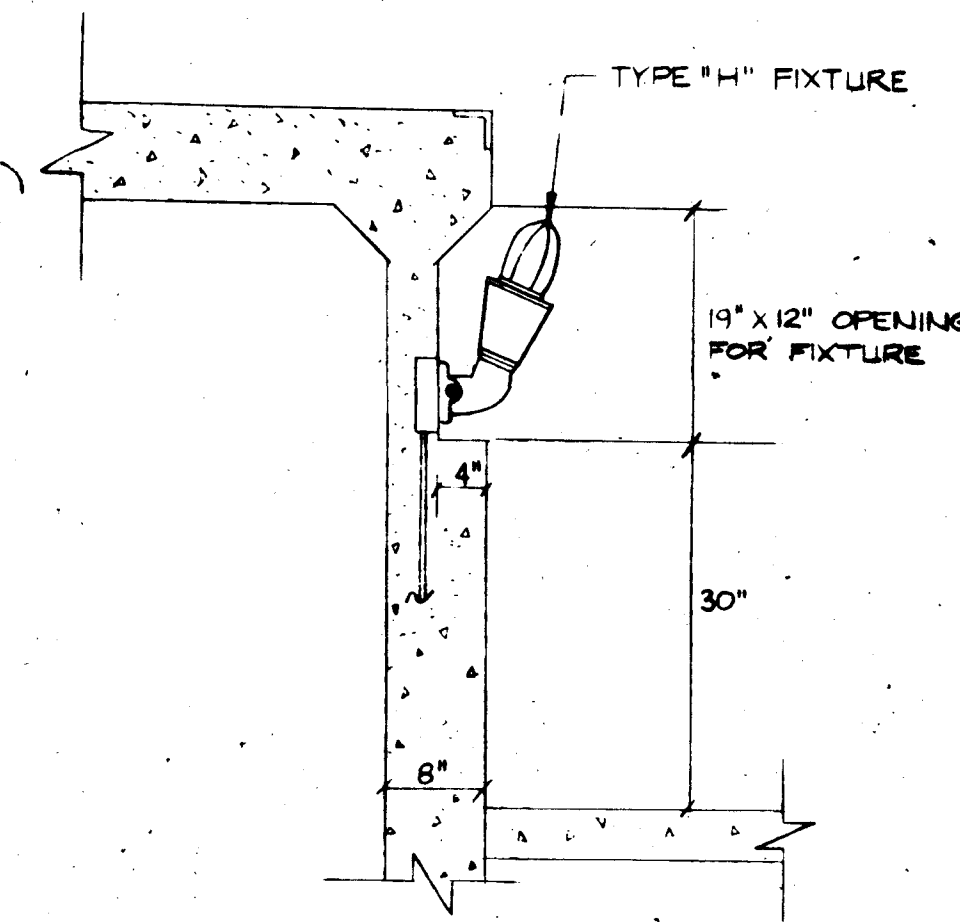
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TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE

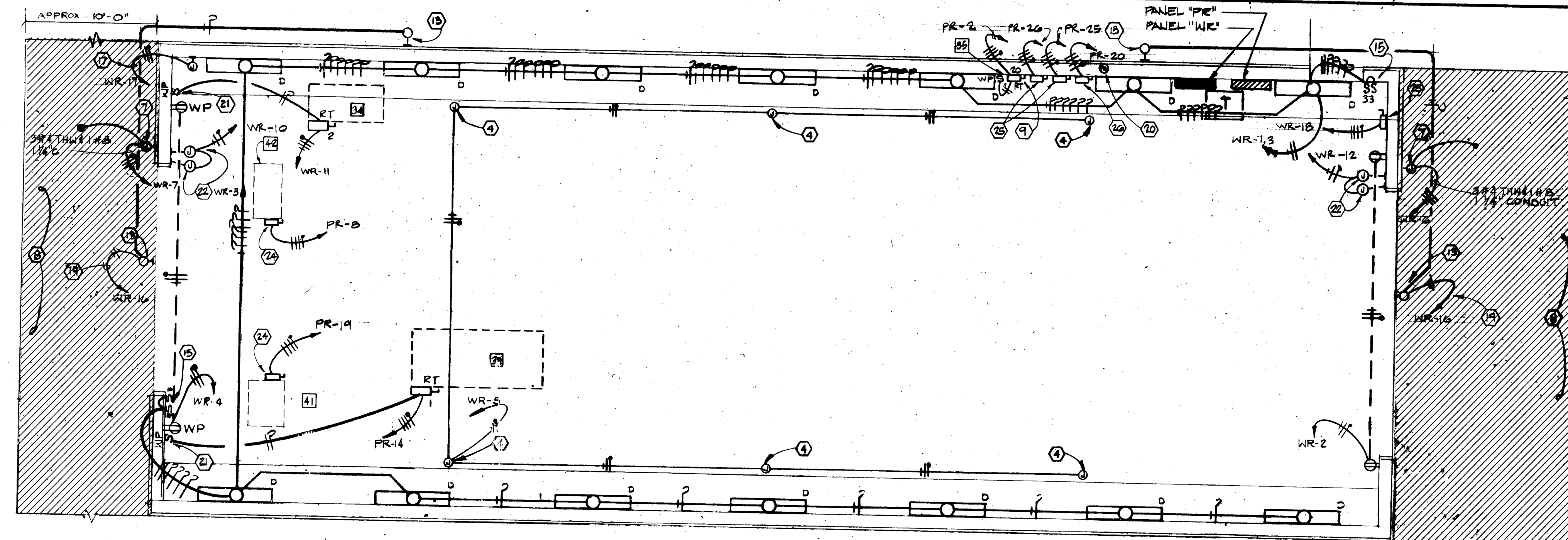
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CHECKED BY JDL	DATE 9-17-81	REVISIONS
JOB NO. 7901	OF 5	



FIXTURE TYPE "H" DETAIL
SCALE 3/4" = 1'-0"

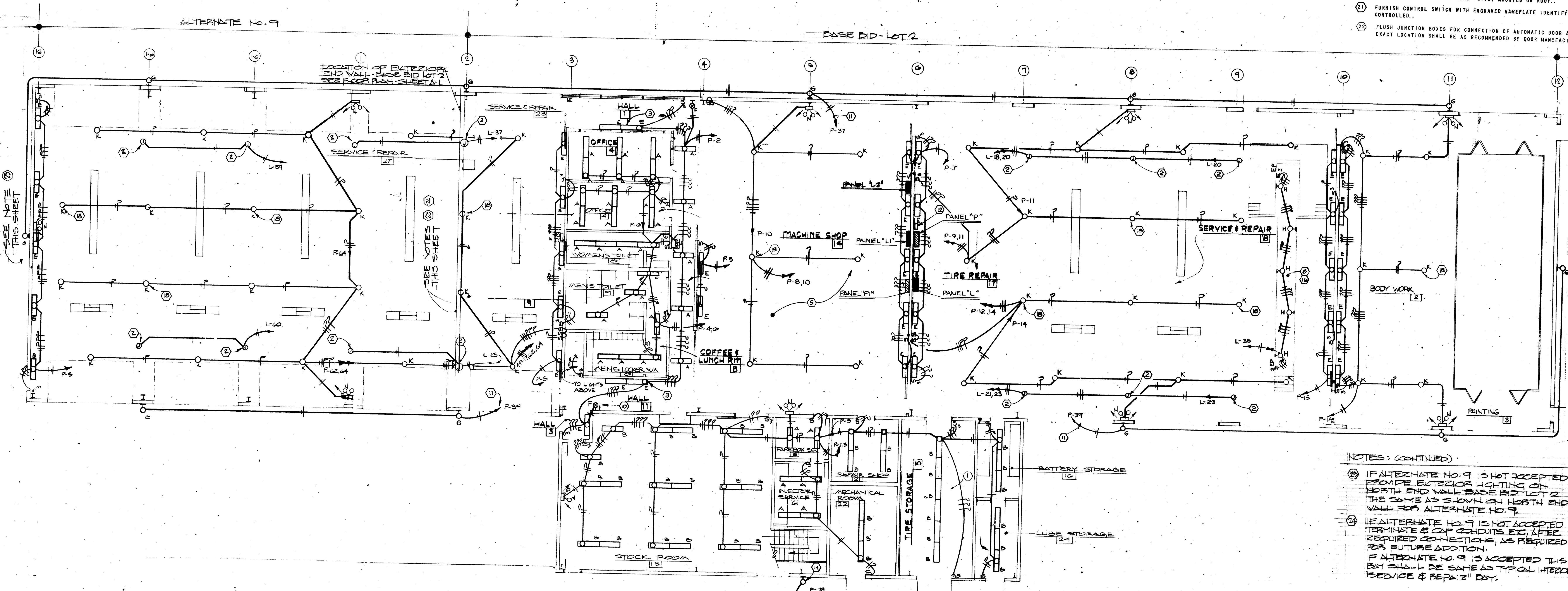


WASH RACK FLOOR PLAN - LIGHTING
SCALE: 1/4" = 1'-0" (BASE BID - LOT 2)

NOTES

- 1 ALL LIGHT FIXTURES THIS AREA SHALL BE SUSPENDED TO 9'-0" ABOVE FINISHED FLOOR.
- 2 JUNCTION BOX FOR CONNECTION TO LIGHT CORD REEL. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- 3 LIGHT FIXTURES SHALL BE MOUNTED, UP 10'-0" ABOVE FINISHED FLOOR.
- 4 JUNCTION BOX FOR CONNECTION OF INFRARED HEATER. VERIFY EXACT LOCATION.
- 5 LOCATION OF TYPE "H" LIGHT FIXTURES IN THIS AREA SHALL BE CLOSELY COORDINATED IN THE FIELD, IN ORDER TO AVOID "LIFT WITH BRIDGE CRANE".
- 6 ELECTRICAL INSTALLATIONS IN PIT AREA SHALL CONFORM TO ARTICLE 500, NEC FOR CLASS I DIVISION 1 INSTALLATIONS.
- 7 WATER TIGHT J-BOX SHALL BE INSTALLED FLUSH IN THE SIDE OF BUILDING WALL. UP 12". J-BOX SHALL BE OF THE TYPE AS RECOMMENDED FOR USE BY MANUFACTURER OF THE APPROVED SNOW MELTING CABLE.
- 8 CONTRACTOR SHALL FURNISH AND INSTALL SNOW MELTING CABLES IN SHADED AREA AS INDICATED. CONTRACTOR SHALL HAVE THE CABLE MANUFACTURER PROVIDE "TO SCALE" SHOP DRAWINGS INDICATING CABLE LENGTHS, WATTAGE AND SPACING. THE SNOW MELTING CABLES SHALL PROVIDE FOR A MINIMUM OF 40 WATTS PER SQUARE FOOT AT 200 VOLTS AND SHALL BE SPACED ON NO GREATER THAN 6" CENTERS. THE METHOD OF CABLE INSTALLATION IN THE CONCRETE SHALL CONFORM TO THE CABLE MANUFACTURER'S RECOMMENDATIONS. CABLES SHALL BE U.L. LISTED AND SHALL BE EQUAL TO GROUNDLOX TYPE "MI" ELECTRIC HEATING CABLES. DO NOT RUN CABLES THROUGH EXPANSION JOINTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY & PROVIDE PROPER LENGTHS AND WATTAGES, ETC.
- 9 VERIFY EXACT LOCATION OF DISCONNECT SWITCH IN THE FIELD. MECH. UNIT 35. 200V-3Ø-2Ø W.P. 3 Ø 2 TWIN 1/2" GROUND - 1/2" CONDUIT.
- 10 EXACT LOCATION OF FIXTURE SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION.
- 11 EXTEND CONDUIT AND WIRE THRU TIME CLOCK, AND THEN TO PANEL INDICATED. USE #10 CONDUCTORS THROUGHOUT CIRCUIT.
- 12 TIME CLOCK FOR CONTROL OF EXTERIOR LIGHTS SHALL BE TORK #T-802L-277V. MOUNT TIME CLOCK UP 6'-0" ABOVE FINISHED FLOOR. MOUNT PHOTO-CELL ON ROOF.
- 13 FIXTURE SHALL BE SAME AS TYPE "G" FIXTURE EXCEPT 120V.
- 14 LIGHT FIXTURE SHALL BE MOUNTED UP 11'-0" ABOVE FINISHED GRADE.
- 15 CONTROL SWITCHES SHALL BE INSTALLED IN WATER TIGHT OUTLET BOXES.
- 16 REFER TO LIGHT FIXTURE DETAIL THIS SHEET FOR MOUNTING.
- 17 JUNCTION BOX FOR CONNECTION TO WATER HEATER. VERIFY EXACT LOCATION.
- 18 FIXTURE TYPE "K" SHALL BE FURNISHED WITH 250W QUARTZ AUXILIARY SOCKET AND LAMP, WIRED WITH SOLID-STATE RELAY FOR TEMPORARY POWER OUTAGES.
- 19 EXTEND CONDUIT AND CONDUCTORS THRU PHOTOCONTROL AND THEN TO PANEL INDICATED. #10 CONDUCTORS THROUGHOUT CIRCUIT.
- 20 PHOTO-CONTROL SHALL BE TORK #2100, MOUNTED ON ROOF.
- 21 FURNISH CONTROL SWITCH WITH ENGRAVED NAMEPLATE IDENTIFYING EQUIPMENT CONTROLLED.
- 22 FLUSH JUNCTION BOXES FOR CONNECTION OF AUTOMATIC DOOR AND CONTROLS. EXACT LOCATION SHALL BE AS RECOMMENDED BY DOOR MANUFACTURER.

- 23 DISCONNECT SWITCH FOR CONNECTION OF WASH RACK STEAM CLEANER. VERIFY LOCATION. 2ØP-200V-3Ø DISCONNECT SWITCH SHALL BE FURNISHED WITH WATERPROOF ENCLOSURE.
- 24 DISCONNECT SWITCH FOR CONNECTION OF BUS DRYER BLOWER ASSEMBLY. VERIFY LOCATION. 1ØP-480V-3Ø.
- 25 FURNISH AND INSTALL COMBINATION STARTER AND DISCONNECT SWITCHES FOR CONNECTION OF SEPARATOR PUMP AND WASH WATER PUMP. 1ØP-480V-3Ø. FURNISH WATERPROOF ENCLOSURES. 3Ø12 AND 1Ø10-3/4" CONDUIT.
- 26 FURNISH AND INSTALL COMBINATION STARTER AND DISCONNECT SWITCH FOR CONNECTION OF RECYCLER. 2ØP-480V-3Ø. FURNISH WATERPROOF ENCLOSURE. 3Ø8 AND 1Ø10-1" CONDUIT.



FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0" (BASE BID - LOT 2)

NOTES (CONTINUED)

- 27 IF ALTERNATE NO. 9 IS NOT ACCEPTED PROVIDE EXTERIOR LIGHTING ON NORTH END WALL BASE BID LOT 2 THE SAME AS SHOWN ON NORTH END WALL FOR ALTERNATE NO. 9.
- 28 IF ALTERNATE NO. 9 IS NOT ACCEPTED TERMINATE & CAP CONDUITS ETC. AFTER REQUIRED CONNECTIONS, AS REQUIRED FOR FUTURE ADDITION.
- 29 IF ALTERNATE NO. 9 IS ACCEPTED THIS SET SHALL BE SAME AS TYPICAL INTERIOR 'SERVICE & REPAIR' DAY.

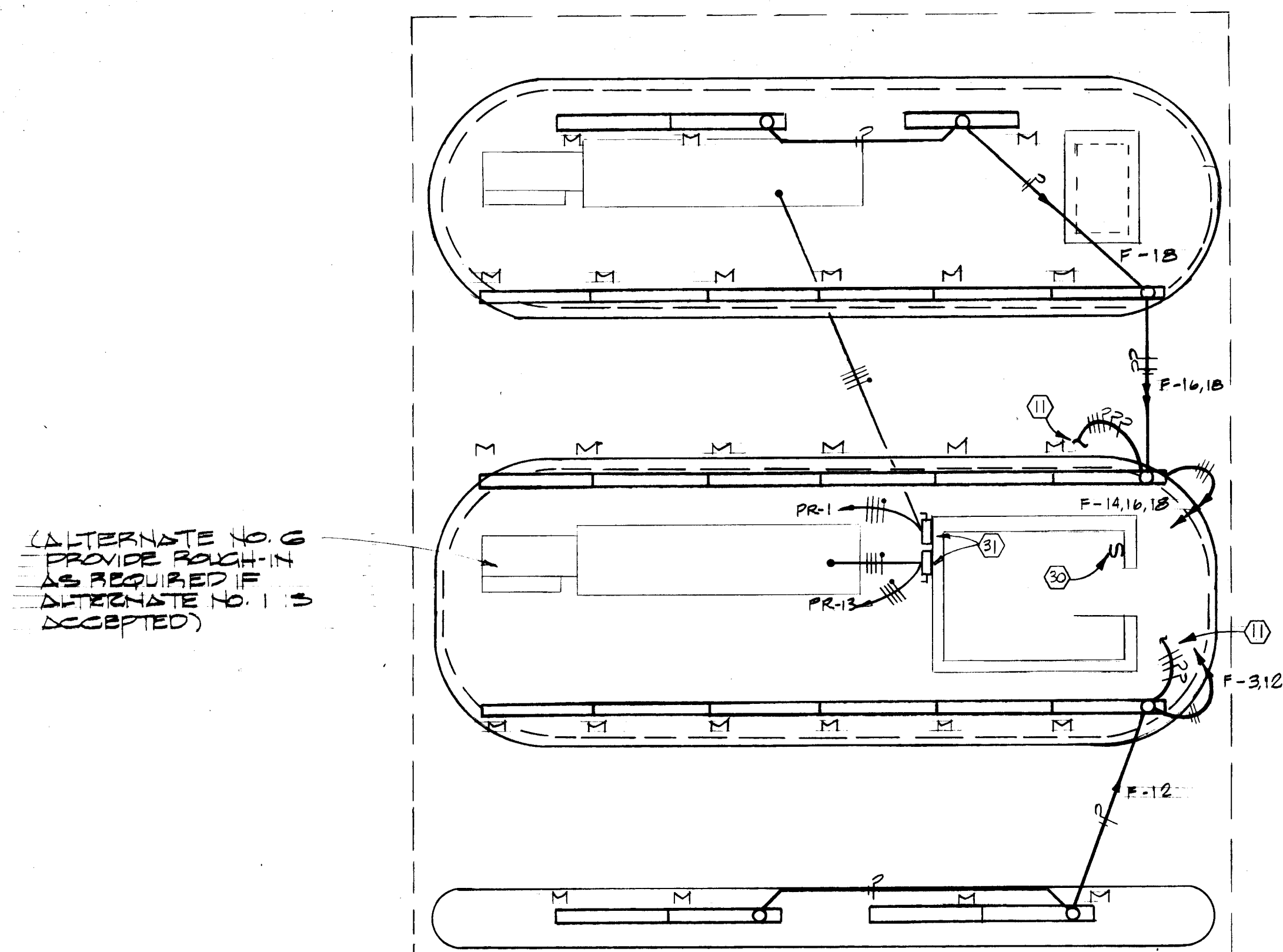
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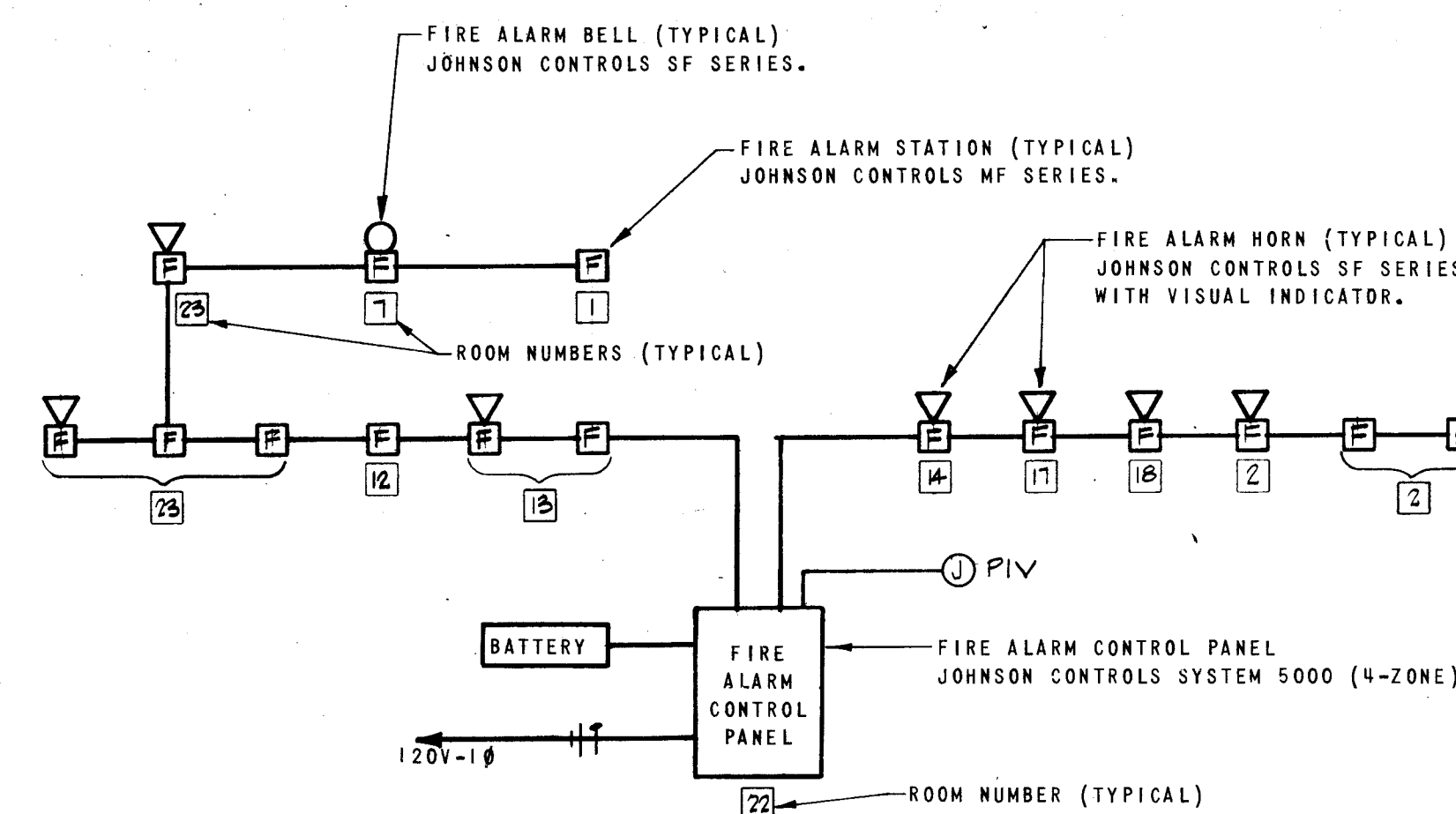
TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE

ALBUQUERQUE, NEW MEXICO

SEAL	SEAL	DRAWN BY U & L CHECKED BY U & L DATE 9-17-81 JOB NO. 7901	TITLE FLOOR PLANS & LIGHTING REVISIONS	SHEET NO. E-2 5
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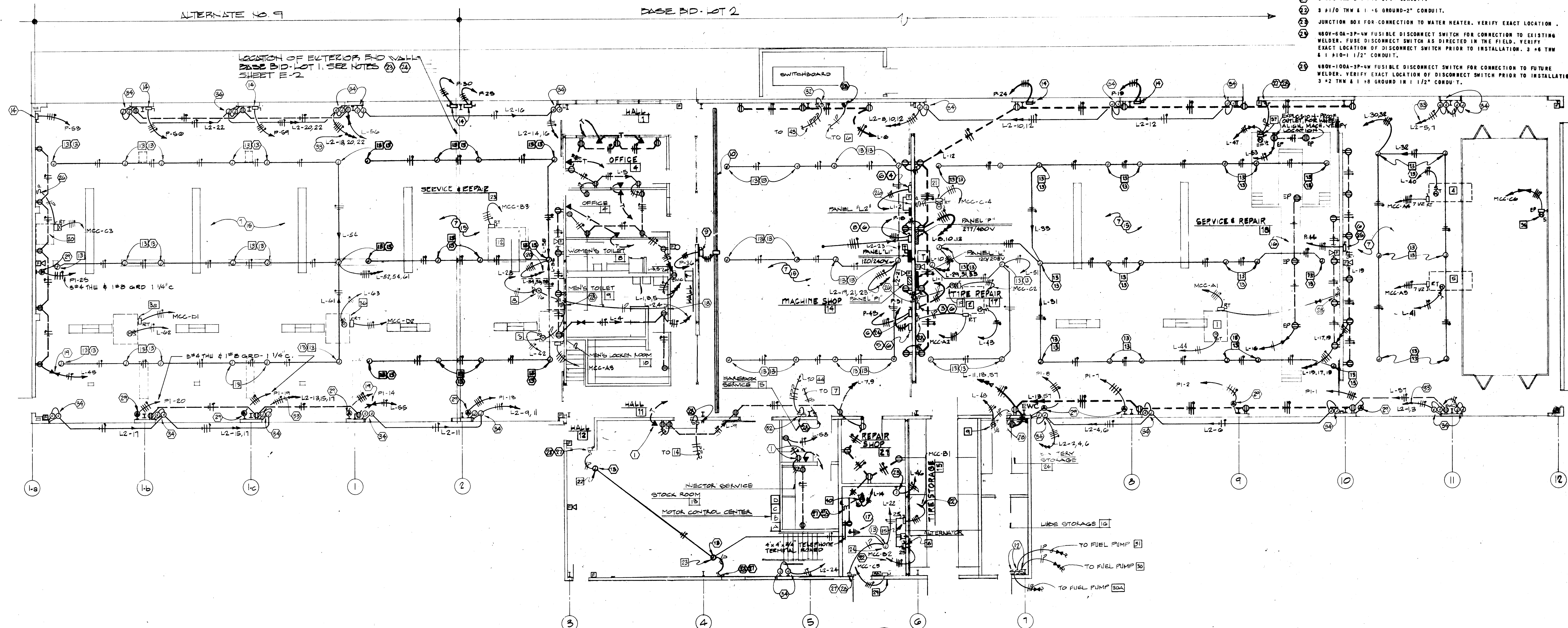
SERVICE ISLAND PLAN-ELECTRICAL
SCALE: 1/8" = 1'-0"
(ALTERNATE NO. 1)



FIRE ALARM RISER DIAGRAM
NO SCALE

NOTES

- 26 FURNISH SWITCH WITH ENGRAVED NAMEPLATE TO READ "EXH. FAN".
- 27 SWITCH SHALL BE "OFF-AUTO".
- 28 FURNISH ENGRAVED NAMEPLATE IDENTIFYING EQUIPMENT CONTROLLED.
- 29 OUTLET SHALL BE HUBBELL #26410, WITH MATCHING CAP. EXACT LOCATION SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLING. 3/8 THW & 1/10 GRD. 1 1/4" CONDUIT, OR AS NOTED.
- 30 FURNISH AND INSTALL FIVE(5) SINGLE POLE SWITCHES FOR CONTROL OF FURNISH AND INSTALL FIVE(5) SINGLE POLE SWITCHES FOR CONTROL OF CANOPY LIGHTS. ALL SWITCHES SHALL BE INSTALLED UNDER ONE COVER PLATE WITH ENGRAVED NAMEPLATE TO READ "CANOPY LTS".
- 31 600V-60A-3P-WM FUSIBLE DISCONNECT SWITCH, UP 5'-0", FOR CONNECTION OF CYCLONE CLEANING SYSTEM. FUSES SHALL BE AS RECOMMENDED BY UNIT MANUFACTURER. MAKE ALL CONNECTIONS REQUIRED TO SYSTEM CONTROL PANEL. 3/8 THW & 1/10 IN 1" CONDUIT.
- 32 FURNISH AND INSTALL TWO(2) SWITCH FOR CONTROL OF A/C UNIT. ONE SWITCH SHALL CONTROL PUMP MOTOR AND THE OTHER SWITCH SHALL BE A THREE-POSITION SWITCH "CENTER OFF", FOR CONTROL OF TWO-SPEED FAN MOTOR.
- 33 USE #10 CONDUCTORS THROUGHOUT CIRCUITS.
- 34 FLUSH JUNCTION BOXES FOR CONNECTION OF AUTOMATIC DOOR AND CONTROLS. EXACT LOCATION SHALL BE AS RECOMMENDED BY DOOR MANUFACTURER.
- 1 OUTLETS SHALL BE MOUNTED 6" ABOVE COUNTER TOP.
- 2 JUNCTION BOX FOR CONNECTION OF DRYER UNIT. VERIFY EXACT LOCATION IN THE FIELD.
- 3 FURNISH AND INSTALL 240V-30A-2P FUSIBLE DISCONNECT SWITCH FOR CONNECTION OF EXISTING TIRE REMOVING MACHINE. FUSE AT 15A. USE #10 CONDUCTORS THROUGHOUT CIRCUIT.
- 4 FURNISH AND INSTALL 240V-30A-2P FUSIBLE DISCONNECT SWITCH FOR CONNECTION OF EXISTING METAL LATHE. FUSES AS REQUIRED.
- 5 FURNISH AND INSTALL 600V-30A-3P FUSIBLE DISCONNECT SWITCH FOR CONNECTION OF EXISTING DRILL PRESS.
- 6 DISCONNECT SWITCHES SHALL BE MOUNTED 5'-0" ABOVE FINISHED FLOOR.
- 7 ALL OUTLETS THIS AREA SHALL BE MOUNTED 24" ABOVE FINISHED FLOOR. ALL CONDUIT SHALL BE IN WALL OR OVERHEAD.
- 8 600V-30A-3P FUSIBLE DISCONNECT SWITCH FOR CONNECTION OF EXISTING DRUM LATHE. EXTEND CONDUIT FROM DISCONNECT SWITCH TO DRUM LATHE AND MAKE ALL NECESSARY CONNECTIONS. PROVIDE CONDUIT SEAL-OFFS AS REQUIRED.
- 9 600V-100A-3P-WM FUSIBLE DISCONNECT SWITCH FOR CONNECTION TO DUCT-O-BAR. EXTEND CONDUIT TO CENTER POWER FEED AS RECOMMENDED BY MANUFACTURER.
- 10 FURNISH AND INSTALL DUCT-O-BAR COMPLETE WITH SPLICE COVER, COLLECTORS, CONDUCTOR, RANGER CLAMPS, CENTER POWER FEED, END CAP, ETC., FOR CONNECTION TO BRIDGE CRANE. DUCT-O-BAR SHALL BE AS MANUFACTURED BY DUCT-O-WIRE COMPANY. EXACT LOCATION OF DUCT-O-BAR SHALL BE AS DIRECTED IN THE FIELD.
- 11 EXTEND CONDUIT AND CONDUCTORS TO CONTROL SWITCHES PER NOTE 30.
- 12 EXACT LOCATION OF CONTROL SWITCH SHALL BE AS DIRECTED IN THE FIELD. FURNISH ENGRAVED NAMEPLATE IDENTIFYING EQUIPMENT CONTROLLED.
- 13 JUNCTION BOX FOR CONNECTION TO UNIT HEATER. VERIFY EXACT LOCATION.
- 14 FURNISH AND INSTALL 600V-30A-3P-WM FUSIBLE DISCONNECT SWITCH, UP 5'-0" FOR CONNECTION TO HOIST. EXTEND CONDUIT AND CONDUCTORS TO HOIST AND FURNISH FUSES AS RECOMMENDED BY HOIST MANUFACTURER. USE #10 CONDUCTORS THROUGHOUT CIRCUIT. 600V-30A-3P-WM 1/2 N.P.
- 15 ELECTRICAL INSTALLATIONS IN THIS AREA SHALL CONFORM TO CLASS 1, DIVISION 2 INSTALLATIONS.
- 16 ELECTRICAL INSTALLATIONS IN PIT AREA SHALL CONFORM TO CLASS 1, DIVISION 1 INSTALLATIONS.
- 17 1/4" BASE IN 1/2" CONDUIT TO COLD WATER SERVICE.
- 18 FURNISH SWITCH WITH ENGRAVED NAMEPLATE TO READ "EXH. FAN".
- 19 CONDUIT SEAL-OFF FITTINGS. (TYPICAL)
- 20 3/8 THW & 1 1/4" CONDUIT.
- 21 3/10 THW & 1 1/4" CONDUIT.
- 22 3/10 THW & 1 1/4" CONDUIT.
- 23 JUNCTION BOX FOR CONNECTION TO WATER HEATER. VERIFY EXACT LOCATION.
- 24 600V-60A-3P-WM FUSIBLE DISCONNECT SWITCH FOR CONNECTION TO EXISTING WELDER. FUSE DISCONNECT SWITCH AS DIRECTED IN THE FIELD. VERIFY EXACT LOCATION OF DISCONNECT SWITCH PRIOR TO INSTALLATION. 3/8 THW & 1 1/4" CONDUIT.
- 25 600V-100A-3P-WM FUSIBLE DISCONNECT SWITCH FOR CONNECTION TO FUTURE WELDER. VERIFY EXACT LOCATION OF DISCONNECT SWITCH PRIOR TO INSTALLATION. 3/8 THW & 1 1/4" CONDUIT.

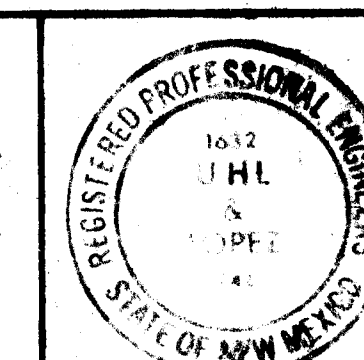


FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"
(PAGE BID-LOT 2)

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TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE

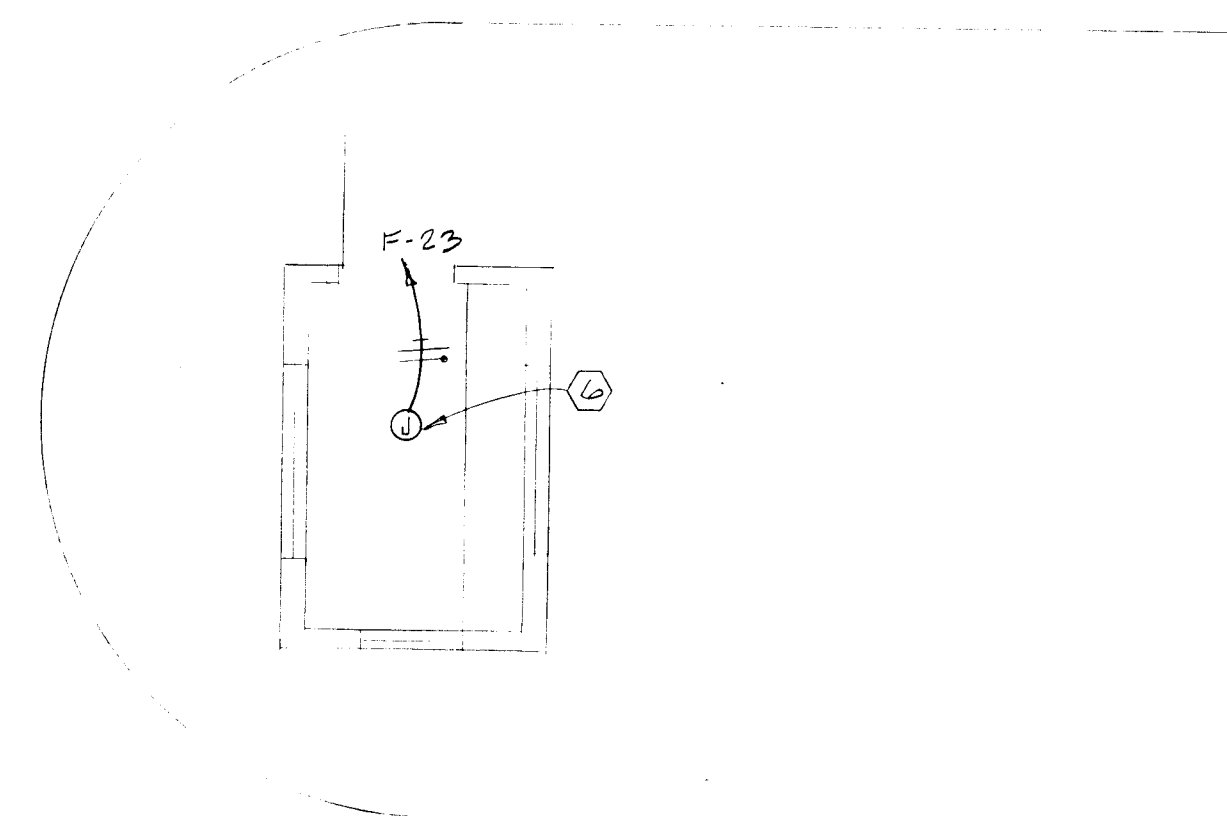
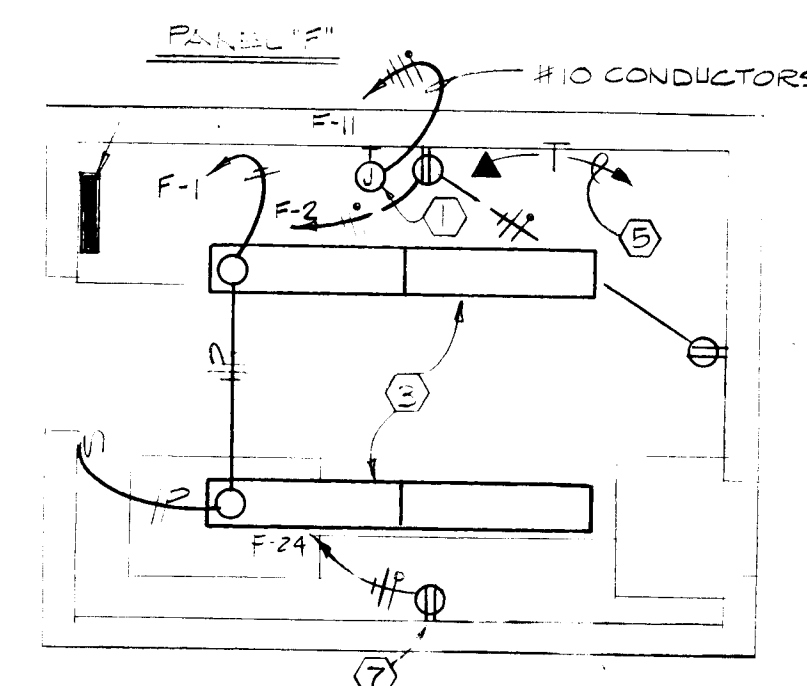
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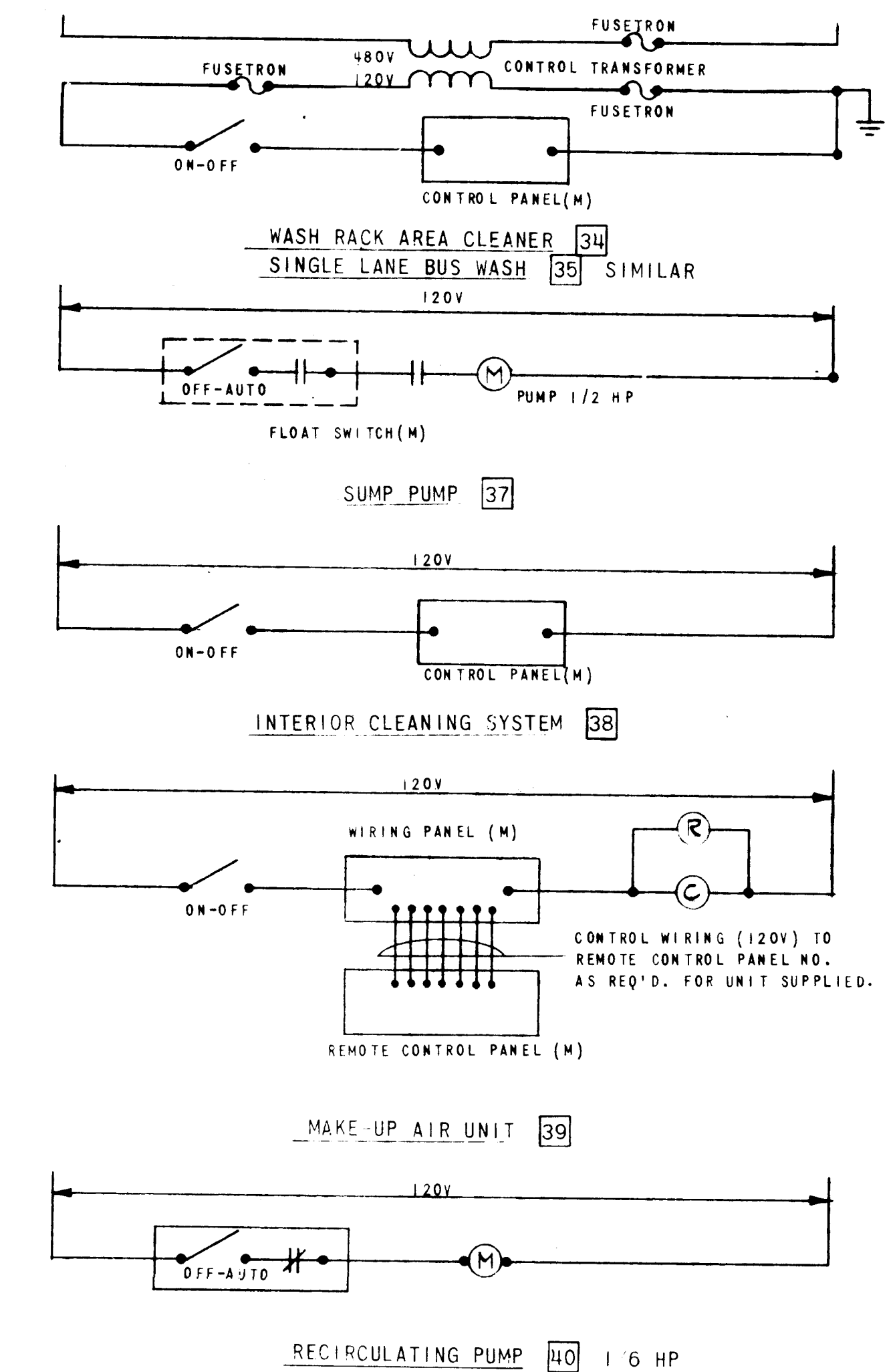
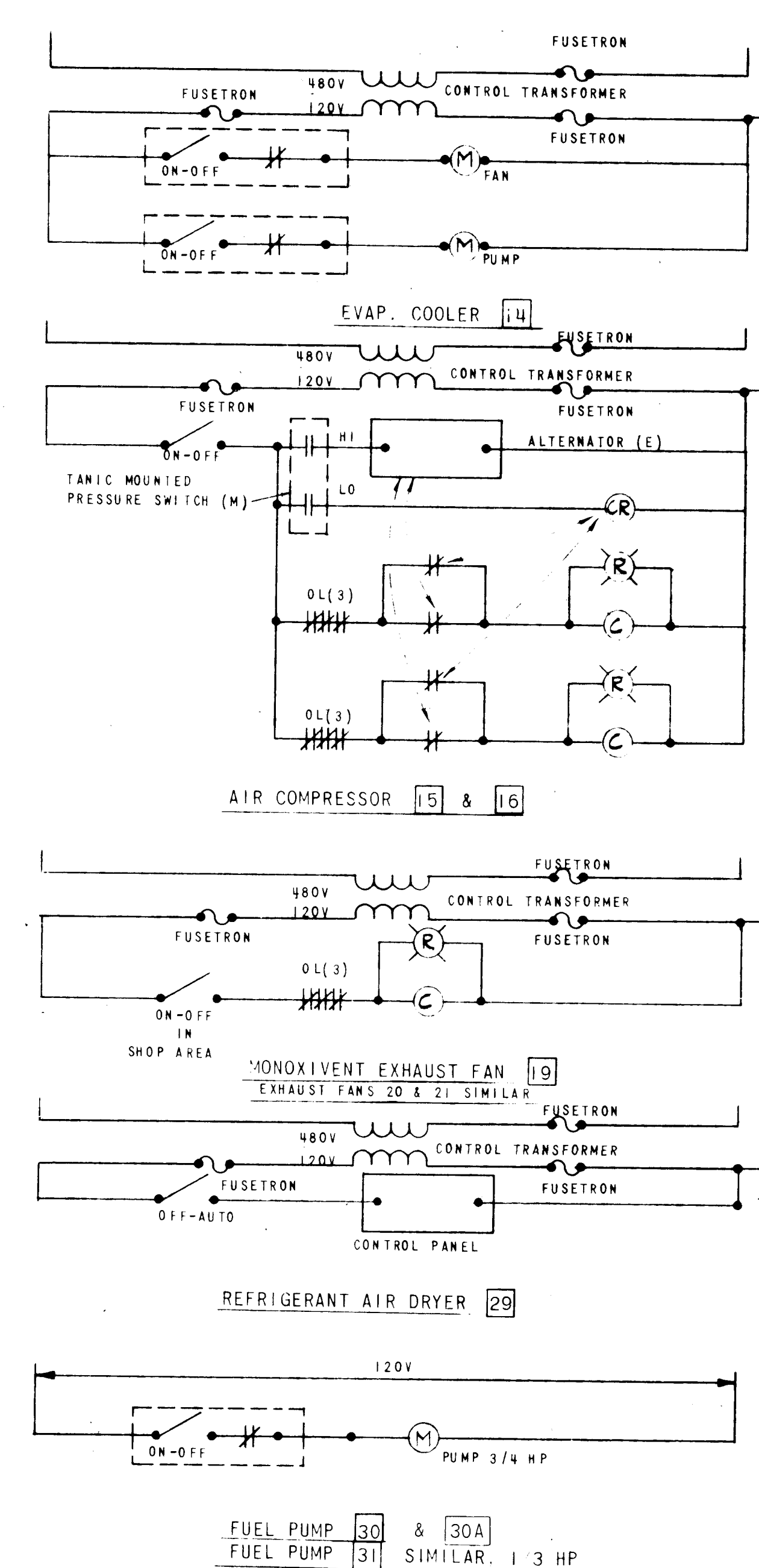
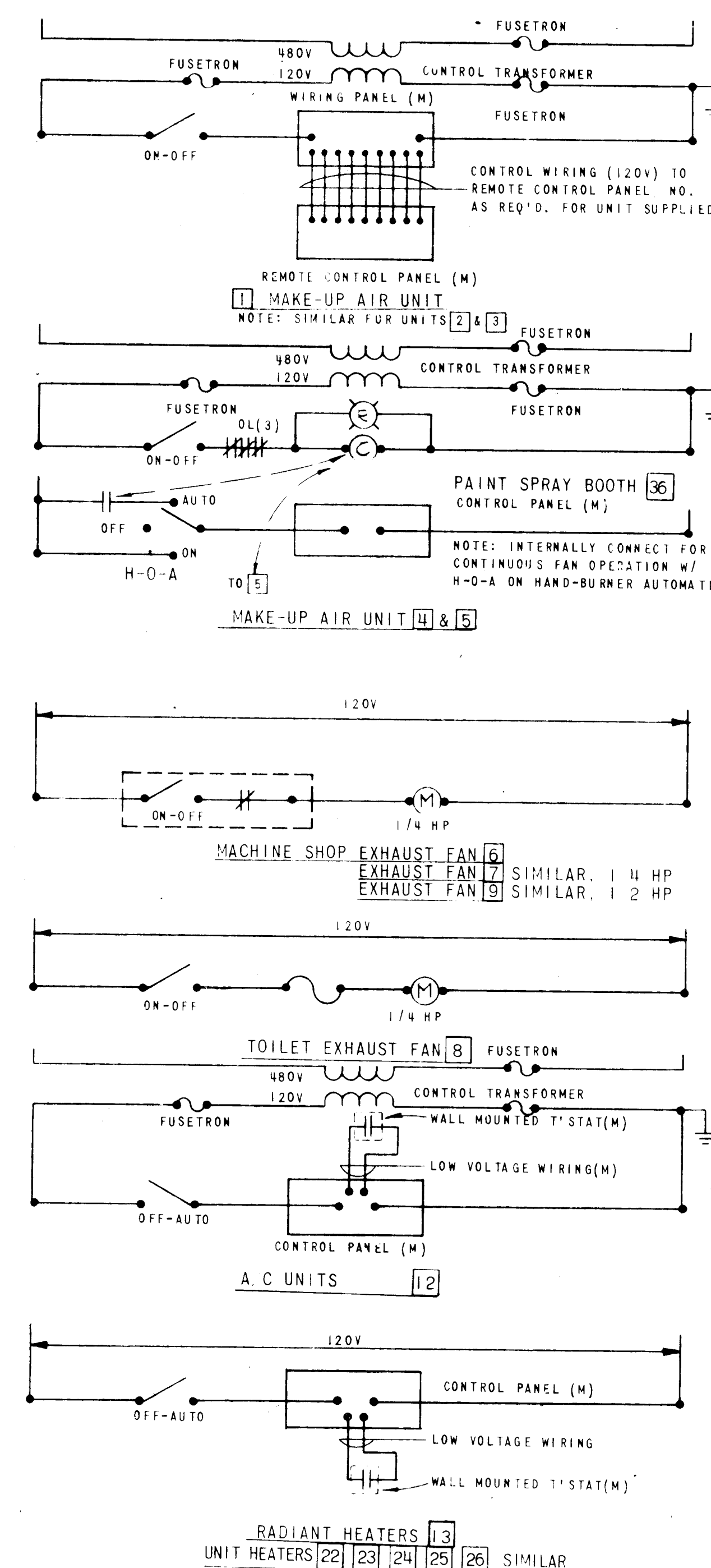
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ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	CEILING OUTLET, LETTER DENOTES FIXTURE TYPE
	WALL OUTLET
	EXIT LIGHT
	FLUORESCENT FIXTURE
	FLOODLIGHT, ARROW INDICATES AIMING
	WALL SWITCH, SPST, 4'-6" ABOVE FLOOR UNLESS NOTED. LETTER DENOTES CONTROL
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	WALL SWITCH AND PILOT LIGHT
	FRACTIONAL HP DISCONNECT WITH THERMAL OVERLOAD PROTECTION
	DUPLEX CONVENIENCE OUTLET, 1'-0" ABOVE FLOOR UNLESS NOTED
	SPECIAL PURPOSE OUTLET AS NOTED OR SPECIFIED
	MOTOR OUTLET AND SIZE IN HP
	THERMOSTAT, 5'-0" ABOVE FLOOR
	JUNCTION BOX AS NOTED OR REQUIRED
	MOTOR CONTROLLER
	DISCONNECT SWITCH
	LIGHTING PANELBOARD, 120/208V-3Ø-4W
	POWER OR DISTRIBUTION PANELBOARD, 277/480V-3Ø-4W
	FIRE ALARM CONTROL CABINET
	3/4" PLYWOOD TELEPHONE TERMINAL BOARD, SIZE AS NOTED
	RACEWAY, CONCEALED IN WALLS OR CEILING
	RACEWAY, CONCEALED IN WALL OR FLOOR
	TELEPHONE RACEWAY
	HOME RUN TO PANELBOARD
	TELEPHONE HOME RUN TO TERMINAL CABINET, 1" CONDUIT UNLESS NOTED
	NEUTRAL, HOT, SWITCH, AND GROUND CONDUCTORS, RESPECTIVELY
	CONDUIT SEAL-OFF FITTINGS
	CONDUIT STUB-UP
	GROUND CONNECTION
	TELEPHONE OUTLET, WALL, 1'-0" ABOVE FLOOR UNLESS NOTED
	FLUSH WALL MOUNT TELEPHONE OUTLET, UP 5'4"
	FIRE ALARM BELL, 7'-6" ABOVE FLOOR
	FIRE ALARM STATION, 5'-0" ABOVE FLOOR
	DRY TYPE TRANSFORMER
	WEATHERPROOF
	MECHANICAL EQUIPMENT REFERENCE
	NOTE REFERENCE
	FURNISHED BY MECHANICAL

LIGHT FIXTURE SCHEDULE			
TYPE	LAMPS	MOUNTING	DESCRIPTION
A	2-F40CW	CEILING SURFACE	BENJAMIN CD-2224-4-277V 1X4 SURFACE FLUORESCENT
B	2-F40CW	AS NOTED ON PLAN	BENJAMIN C-21-4-CG-4-277V 1X4 STRIP LIGHT W/WIREGUARD
C	2-F40CW	WALL, 6" ABOVE MIRROR	WILLIAMS 2922-KA-CT-277V FLUORESCENT WALL BRACKET
D	3-F40CW	ANGLE WALL BRACKET UP, 10'-0" A.F.F.	BENJAMIN FY-4334-4-120V 1X4 WATER TIGHT FLUORESCENT FIXTURE W/GASKETING
E	2-F40CW	WALL UP 9'-0"	NU-ART CL-2-4'-277V 4" FLUORESCENT WALL BRACKET
F	AS REQUIRED	ABOVE DOOR OPENING	DEVINE UB-180EM
G	1-250W HPS	WALL UP 18'-0"	MOLDCAST 89023-27-BZ
H	1-300W	REFER TO DETAIL ON SHT. E-2	APPLETON ASB 15506 EXPLOSION PROOF FIXT. W/SHORT BRACKET AND GUARD.
K	1-400W METAL HALIDE	20'-0" ABOVE FIN. FL. OR AS NOTED	BENJAMIN ICM-400-277-185 INDUSTRIAL FIXT. W/WIRE GUARD.
M	2-196T12	CEILING SURFACE	BENJAMIN SDA-25-B W/2 CG-4 WIRE GUARDS, 8" FL. FIXT. W/WIRE GUARD AND -20" BALLAST.
N	2-PAR 36 SEALED BEAM	WALL UP 8'-0"	DUAL-LITE ICL-2 EMERGENCY LT. CYLINDERS
P	1-400A HPS	POLE MOUNTED	STERNER SET-25-AQ-10-N-400-S-277-ST10-P-N



FAREBOX VAULT & ATTEND. BLDG. FLOOR PLAN-ELECT.
SCALE 1/8" = 1'-0"

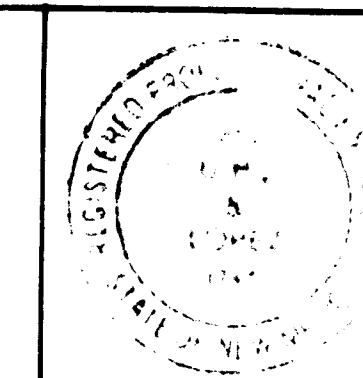


- NOTES
- 1 JUNCTION BOX FOR CONNECTION OF A/C AND HEATING UNIT. VERIFY EXACT LOCATION.
 - 2 FURNISH AND INSTALL FIVE (5) SINGLE POLE SWITCHES FOR CONTROL OF CANOPY LIGHTS. ALL SWITCHES SHALL BE INSTALLED UNDER ONE COVER PLATE WITH ENGRAVED NAMEPLATE TO READ "CANOPY LTS."
 - 3 LIGHT FIXTURE SHALL BE SAME AS TYPE "A", EXCEPT 120 VOLT.
 - 4 LIGHT FIXTURE SHALL BE FURNISHED WITH QUARTZ AUXILIARY SOCKET. NUMBER OF FIXTURES EQUIPPED WITH QUARTZ LAMP SHALL BE AS INDICATED ON SHEET E-2 PER NOTE (18) ON FLOOR PLAN.
 - 5 EXTEND 3/4" TELEPHONE CONDUIT TO MAINTENANCE BUILDING TELEPHONE BOARD. PROVIDE PULLWIRE IN CONDUIT.
 - 6 JUNCTION BOX FOR CONNECTION OF ELECTRICAL EQUIPMENT IN ATTENDANTS BUILDING. VERIFY EXACT LOCATION AND MAKE ALL REQUIRE CONNECTIONS.
 - 7 RECEPTACLE FOR COIN SORTER.

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TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE

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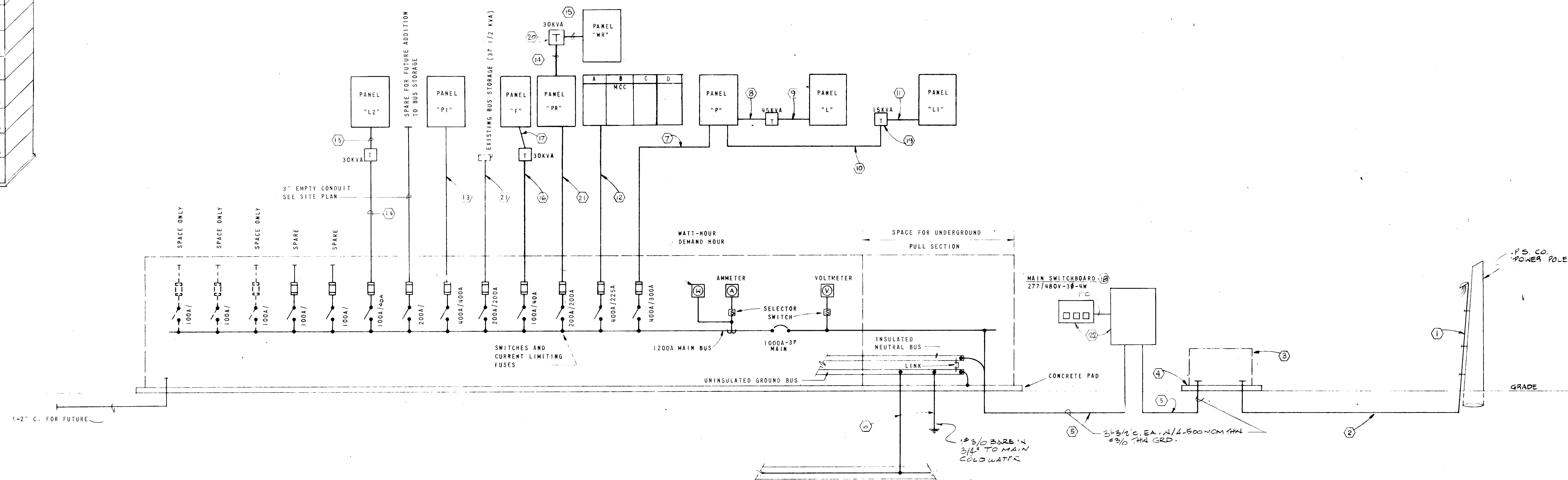
DRAWN BY JBL	TITLE ELECTRICAL SCHEDULE & DETAILS	SHEET NO. E-4
CHECKED BY JBL		
DATE 9-17-81		
JOB NO. 7901	REVISIONS	OF 5

MOTOR CONTROL CENTER SCHEDULE (277/480V-3Ø-4W)													
UNIT NO.	EQUIPMENT NAME/PLATE DESCRIPTION	HP	VOLTA	PHASE	SWITCH	POLES	FUSION	MAGNETIC	SIZE	SIZE	PUSH BUTTON OR SELECTOR SW.	RED	NO NC
SECTION A													
1	MAKE-UP AIR UNIT	1	480	3	30	3	2						
2	MAKE-UP AIR UNIT	1	480	3	30	3	2						
3	MAKE-UP AIR UNIT	1	480	3	30	3	2						
4	MAKE-UP AIR UNIT	7 1/2	480	3	30	3	15						
5	MAKE-UP AIR UNIT	7 1/2	480	3	30	3	15						
6	INCOMING LINE		480	3									
SECTION B													
1	AIR COMPRESSOR	25	480	3	60	3	40						
2	AIR COMPRESSOR	25	480	3	60	3	40						
3	A/C UNIT	15A	480	3	30	3	18						
4	SPARE		480	3	30	3							
5	SPARE		480	3	30	3							
6	SPACE												
SECTION C													
1	EVAP. COOLER	5	480	3	30	3	9						
2	EXH. BLOWER	1 1/2	480	3	30	3	2.8						
3	EXH. BLOWER	3	480	3	30	3	5.6						
4	EXH. BLOWER	3	480	3	30	3	5.6						
5	AIR DRYER	1 1/2	480	3	30	3	2.8						
6	PAINT SPRAY BOOTH	5	480	3	30	3	9						
SECTION D													
1	MAKE-UP AIR UNIT	1	480	3	30	3	2						
2	MAKE-UP AIR UNIT	1	480	3	30	3	2						
3	MAKE-UP AIR UNIT	3 1/4	480	3	30	3	1.6						
4	SPARE		480	3	30	3							
5	SPACE												
6	SPACE												

* FURNISH AUXILIARY CONTACTS AS REQUIRED PLUS 1-N.O. AND 1-N.C. SPARE

MCC ELEVATION			
A	B	C	D
1	15	1	8
2	16	2	3
3	17	3	3
4	SPARE	4	SPARE
5	SPARE	5	SPARE
6	SPARE	6	SPARE
INCOMING LINE	SPARE	6	SPARE

MCC ELEVATION
NO SCALE



POWER RISER DIAGRAM
NO SCALE

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TRANSIT SYSTEM MAINTENANCE TERMINAL - PHASE ONE ALBUQUERQUE, NEW MEXICO

NOTES

- EXTEND UP POLE AND TERMINATE PER P.S. CO. DS-10-6.3.
- N" TRANSITE DUCT, CONCRETE ENCASED WITH STEEL CONDUIT RISERS PER P.S. CO. DS-7-15.0.
- TRANSFORMER PAD SHALL BE PER P.S. CO. DS-7-16.4.
- TWO 3" EACH WITH 350 MCM THW 3-1/2" C. DELETE
- SEE TYPICAL GROUNDING DETAIL.
- 4-500 MCM THW & 1-3 GROUND-3 1/2" C.
- 3-6 THW & 1-10 GROUND-1" C.
- 4-1 THW & 1-6-7/8" C.
- 3-4 THW & 1-8 GROUND-1 1/4" C.
- 4-250 MCM THW & 1-3 1/4" C.
- 4-500 MCM THW & 1-3 1/4" GROUND-3 1/2" C.
- 3-8 THW & 1-10-3/4" C.
- 4-2 THW & 1-8-1 1/4" C.
- 3-6 THW & 1-10 GROUND-1" C.
- 4-2 THW & 1-8 GROUND-1 1/4" C.
- OUTDOOR WEATHERPROOF NON WALK-IN TYPE W/ SWITCHBOARD 3Ø 4W 277/480V 1200A MAIN BUS BRANDED FOR 50,000MS AMPERES, "SERVICE ENTRANCE" LABEL AND ENGRAVED METAL PLATE 1-1/2" FOR EACH DEVICE.
- DRY-TYPE TRANSFORMER SHALL BE 480V-20/240V-1Ø-3W.
- TRANSFORMER SHALL BE INSTALLED OUTDOORS. REFER TO NOTE 12 ON SHEET E-1.
- 4-1/0 THW & 1-2 GROUND - 2 1/2" C.
- METERING ENCLOSURE SHALL BE PER P.S. CO. DS-19-82.0 & DS-19-23.0.

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DRAWN BY J&L	TITLE POWER RISER DIAGRAM	SHEET NO. E-5
CHECKED BY J&L		
DATE 9-17-81	REVISIONS	
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