



B-6

INTEL

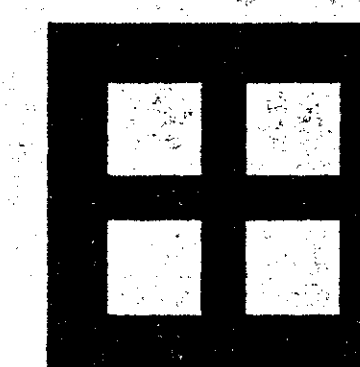
INTEL 1992 WATER SYSTEM EXPANSION

INDEX OF DRAWINGS

- C1.1 SITE PLAN & PHASE CONSTRUCTION
- C3.1 WATERLINE PLAN & PROFILE
- C4.1 ELECTRICAL UTILITY PLAN
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- C7.2 UTILITY DETAILS
- C7.3 VAULT DETAILS
- C7.4 VAULT & UTILITY DETAILS

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BPLW



Architects & Engineers, Inc.

REV 1

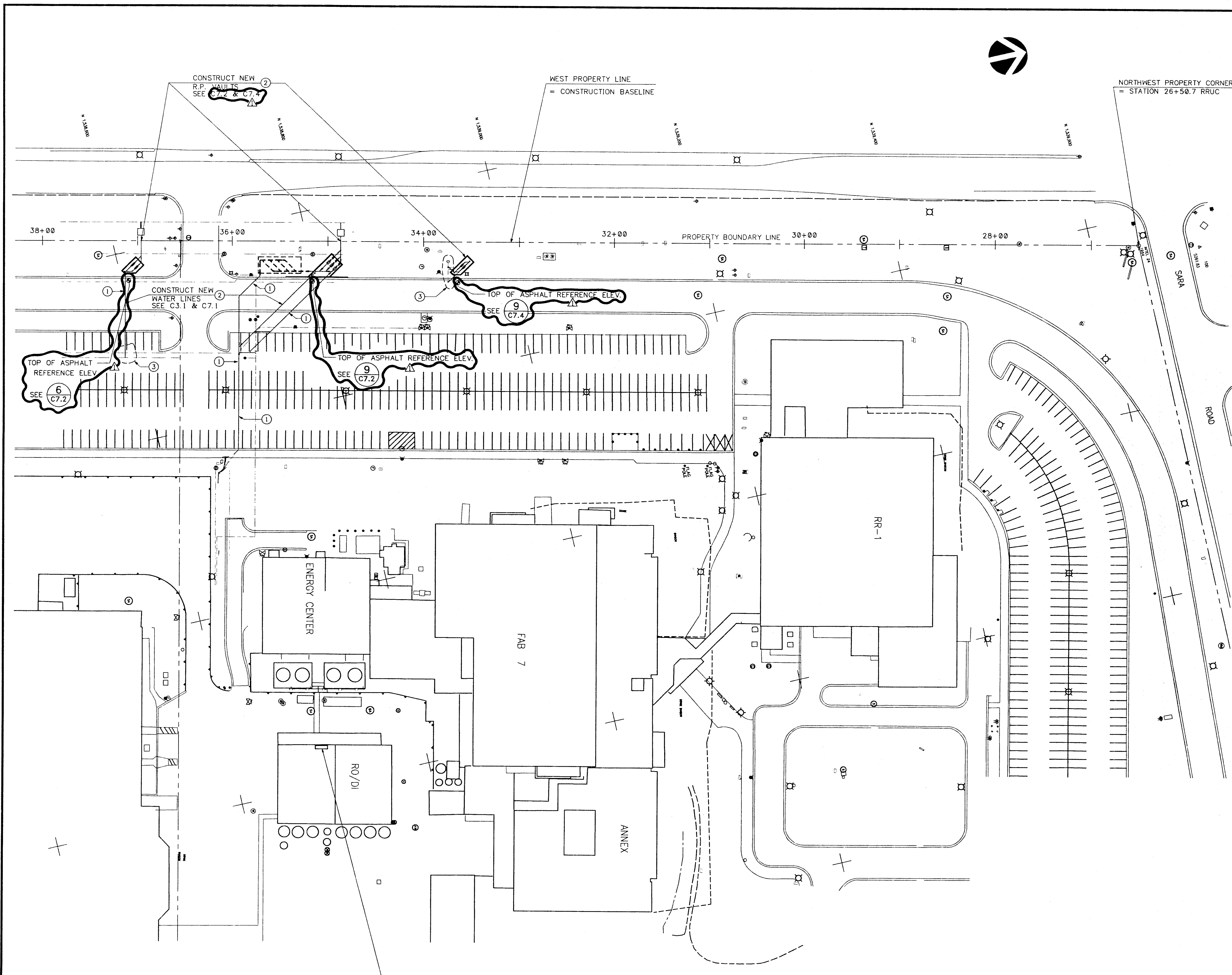
2400 Louisiana Blvd. NE
AFC #5 Suite 400
Albuquerque, New Mexico 87110
(505) 881-2759

Designing to Shape the Future

B-6

KEYED NOTES

- 1 MAINTAIN AT LEAST ONE TWENTY FOOT WIDE LANE TO SOUTH AT ALL TIMES DURING CONSTRUCTION
- 2 TIE-IN WORK TO THE EXISTING 8 INCH WATERLINE MUST BE ACCOMPLISHED DURING THE INTEL JULY 4TH SHUTDOWN (9 PM ON JULY 3, 1992 TO 5 AM ON JULY 4, 1992)
- 3 ALL WORK THIS AREA MUST BE COMPLETED PRIOR TO JUNE 15TH, 1992



EXISTING 6" (2EA) & 8" (1EA) RP DEVICES TO BE REPLACED WITH SPOOL PIECES AFTER THE NEW 14" WATERLINE AND 10" RP DEVICES ARE INSTALLED AND PRESSURIZED.

SCALE: 1" = 40'

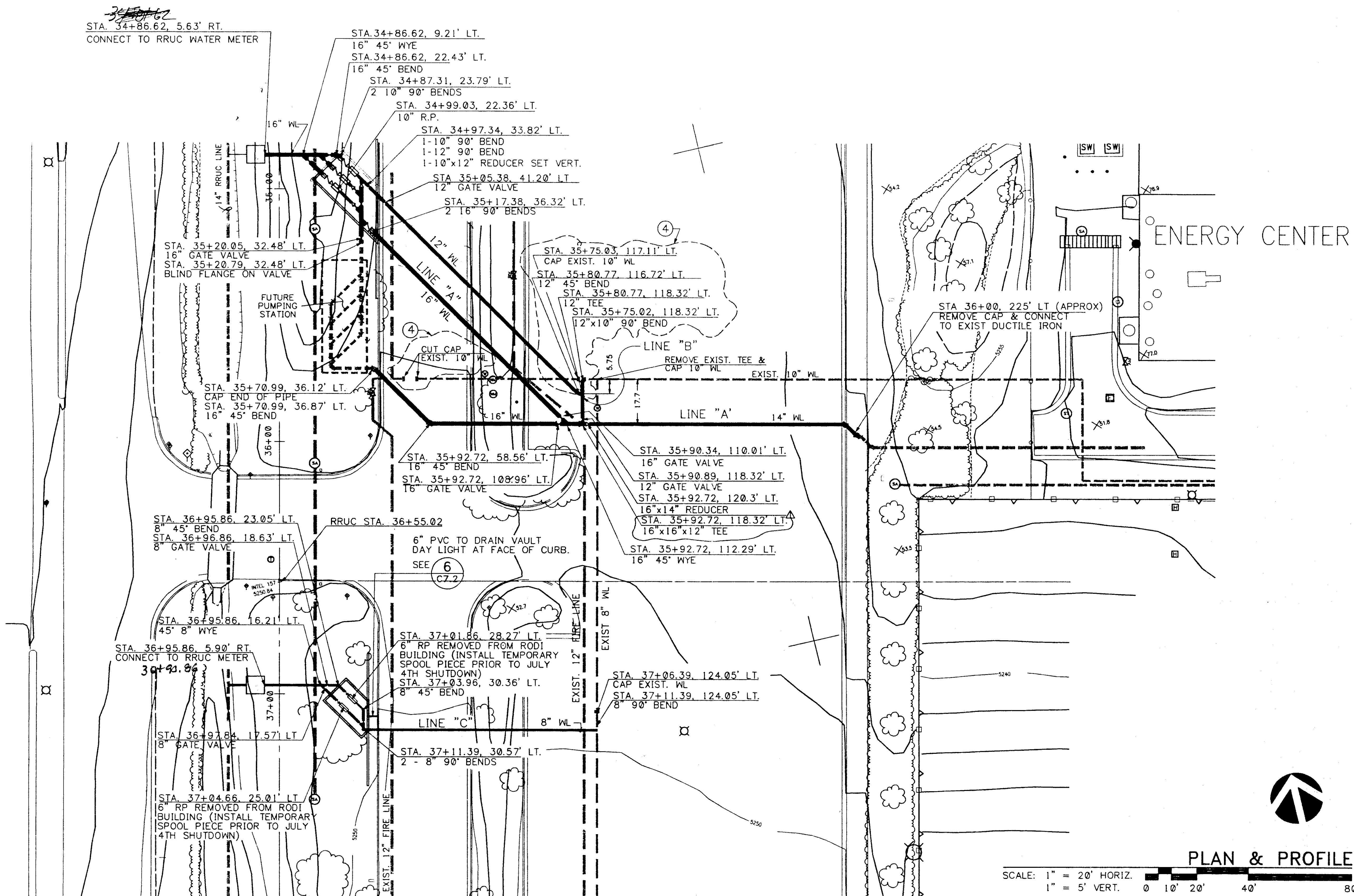
REVISION		4/28/92	
REV. NO. REVISION DESCRIPTION		APPROVED	DATE
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INTEL FACILITIES CONSTRUCTION		INTEL New Mexico 4100 Sans Road SE Rio Rancho, New Mexico 87124 505 853-1988 Fax 505 855-7284	
APPROVALS		DATE	
DESIGN	LJD	04-10-92	
CHECKED			
DESIGNED			
SAFETY			
PLANNING			
ENGINEER			
APPROVED			
TOP CODE			
SITE PLAN & PHASE CONSTRUCTION INTEL 1992 WATER SYSTEM EXPANSION		C1.1	
PROJECT NO. 05501C11		SHEET 1 OF 1	
DRAWN BY 1" = 40'		SCALE 1" = 40'	

GENERAL NOTES

- STATIONING IS BASED ON RIO RANCHO UTILITY COMPANY BASELINE. SEE SHEET C1.1 FOR REFERENCE. STATIONING & OFFSETS ARE TO CENTERLINE INTERSECTION AT P1'S OR TO CENTER OF DEVICE.
- SEE ENLARGED PIPE LAYOUT PLANS ON SHEET C7.1 FOR ADDITIONAL INFORMATION.

KEYED NOTES

- ALL PIPE AND FITTINGS IN THIS AREA SHALL BE FLANGED JOINT DUCTILE IRON. SEE PROFILE.
- ALL PIPE IN THIS AREA SHALL BE MECHANICAL JOINT PVC SEE SHEET C7.1 ENLARGED PIPE LAYOUT, FOR JOINT RESTRAINT DESIGN, SEE PROFILE.
- ALL FITTINGS IN THIS AREA SHALL BE MECHANICAL JOINT DUCTILE IRON BODY, WITH MECHANICALLY RESTRAINED JOINTS (MEGALUGS), SEE PROFILE.
- THIS WORK TO BE COORDINATED WITH INTEL FACILITIES ENGINEERING AND SCHEDULED AFTER THE NEW 14" WATERLINE IS PRESSURIZED AND AFTER THE JULY 4TH SHUTDOWN.



SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

0 10' 20' 40' 80'

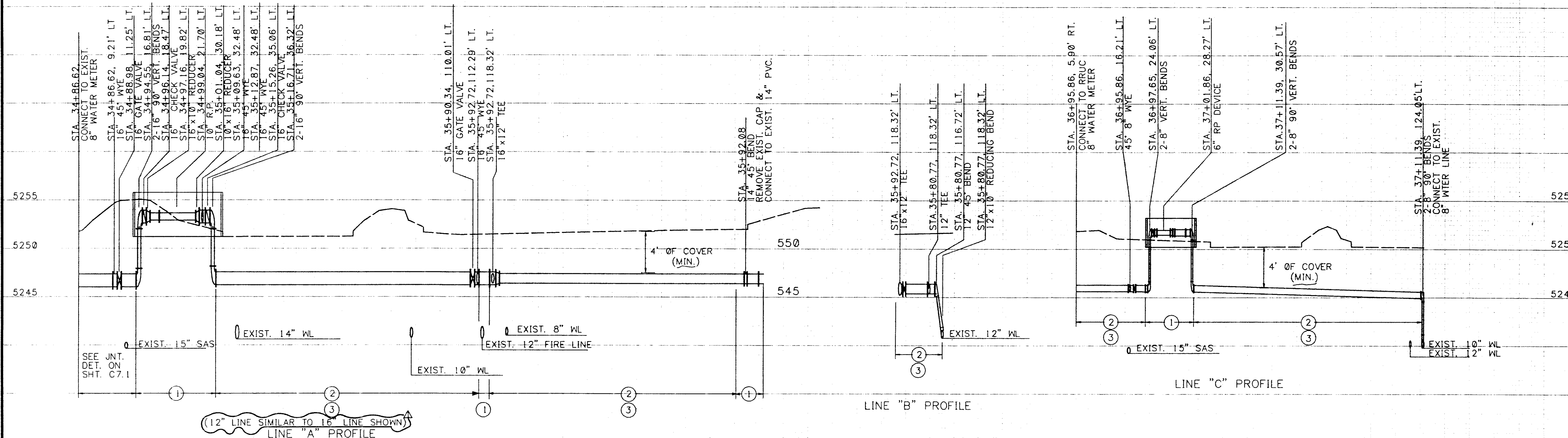
LEGEND

- RRUC = RIO RANCHO UTILITY COMPANY
- WL = WATERLINE
- X = GATE VALVE
- △ = CHECK VALVE
- 45° = 45° BENDS
- 45° = 45° WYE
- ◇ = REDUCER
- ◇ = REDUCED PRESSURE BACKFLOW DEVICE
- ◇ = 2-90° VERTICLE BENDS

REVISION		DATE	BY	APP'D
1	REVISED	4/29/92		
INTEL FACILITIES CONSTRUCTION				
INTEL CORPORATION				
4188 Sora Road SE Rio Rancho, New Mexico 87124 505 893-7868 Fax 505 953-7244				
APPROVALS		DATE	SHEET	
DESIGNED	LJD	04-10-92	C3.1	
CHECKED				
PLANNED				
OWNER				
APPROVED				
DATE				

INTEL 1992 WATER SYSTEM EXPANSION

1 - 20' 1" = 20'



GENERAL NOTES

- A. ALL WORK SHALL COMPLY WITH NEC & NESC PROVISIONS.
- B. ALL PULL BOXES SHALL BE 24" x 30" DEEP WITH CONDUIT RUNS BROUGHT UP TO BOTTOM OF BOX.

KEYED NOTES

- 18" x 18" COMMUNICATIONS PULL BOX WITH H-20 TRAFFIC RATED COVER.
- 24" x 24" ELECTRICAL PULL BOX WITH H-20 TRAFFIC RATED COVER.
- INSTALL 2 #8 CONDUCTORS PLUS 1 #10 GROUND IN 6" RIDGID CONDUIT.
- INSTALL CONDUITS IN TRENCH PER DETAIL 3 C7.2.
- SURFACE MOUNT 2 EA 3" RIDGID ELECTRICAL CONDUIT AND 2 EA 2" RIDGID COMMUNICATIONS CONDUITS.
- 18" x 18" COMMUNICATIONS PULL BOX WITH LIGHT TRAFFIC RATED COVER.
- 24" x 24" ELECTRICAL PULL BOX WITH LIGHT TRAFFIC RATED COVER.
- 12" x 12" ELECTRICAL PULL BOX WITH LIGHT TRAFFIC RATED COVER.
- INSTALL 3/4" CONDUIT WITH 2 #10 CONDUCTORS PLUS 1 #12 GROUND.
- INSTALL JUNCTION BOX INSIDE VAULT AND TERMINATE ELECTRIC HEATING CABLE. ELECTRICAL HEATING CABLE SHALL BE SPIRAL WRAPPED AROUND ALL PIPING & FITTINGS IN VAULT. CABLE SHALL BE 277 VOLT AND OF LENGTH AS NEEDED TO PROVIDE 1000 TOTAL WATTS AT ZERO DEGREES FAHRENHEIT. THE JUNCTION BOX SHALL BE FITTED WITH A SEPARATE THERMOSTAT TO CUT OFF THE HEATING CABLE WHEN THE TEMPERATURE INSIDE THE VAULT EXCEEDS 40 DEGREES FAHRENHEIT.
- INSTALL JUNCTION BOX INSIDE VAULT AND TERMINATE ELECTRIC HEATING CABLE. ELECTRICAL HEATING CABLE SHALL BE SPIRAL WRAPPED AROUND ALL PIPING & FITTINGS IN VAULT. CABLE SHALL BE 277 VOLT AND OF LENGTH AS NEEDED TO PROVIDE 2000 TOTAL WATTS AT ZERO DEGREES FAHRENHEIT. THE JUNCTION BOX SHALL BE FITTED WITH A SEPARATE THERMOSTAT TO CUT OFF THE HEATING CABLE WHEN THE TEMPERATURE INSIDE THE VAULT EXCEEDS 40 DEGREES FAHRENHEIT.
- RELOCATE EXIST UG ELECTRIC CIRCUIT AROUND VAULT.

LEGEND:

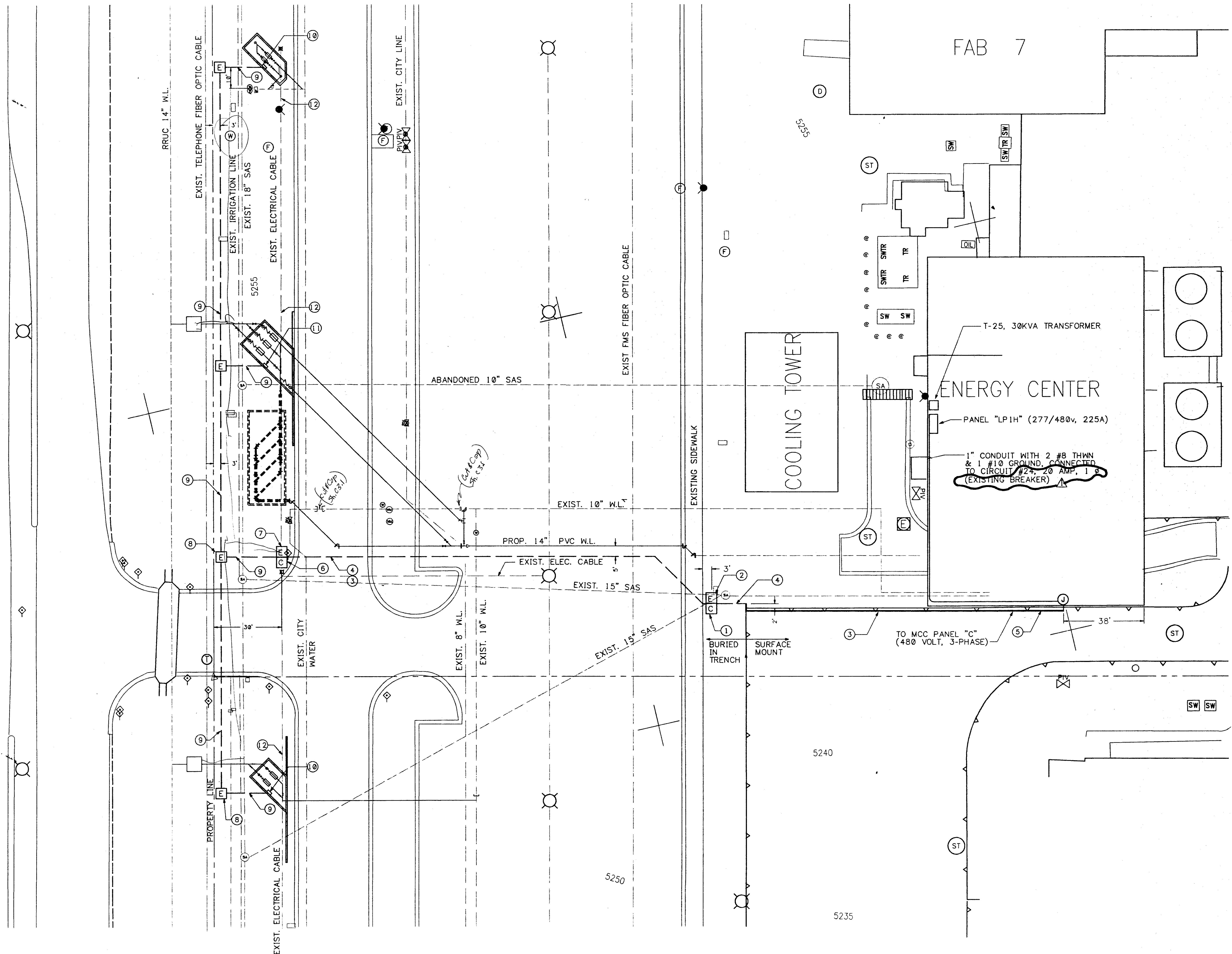
- [E] UNDERGROUND ELECTRICAL PULL BOX
- [C] UNDERGROUND COMMUNICATIONS PULL BOX
- UNDERGROUND CONDUIT IN TRENCH, SIZE AND NUMBER
- [J] JUNCTION BOX (3" CONDUIT TERMINATION)

REVISION		DATE	BY	AT BUILT DATE
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APPROVALS		DATE	INTEL FACILITIES CONSTRUCTION	
DRAWN		LJD	4-10-92	
CHECKED				
DESIGNED				
SAFETY				
PLANNING				
ELECTRICAL				
APPROVED				
BY CODE				
FOR FILE		FILE CODE	DESIGNED BY	
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OLD DWP NO.		PLAT SCALE	DRAWING SCALE	
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			SHEET	
			C4.1	

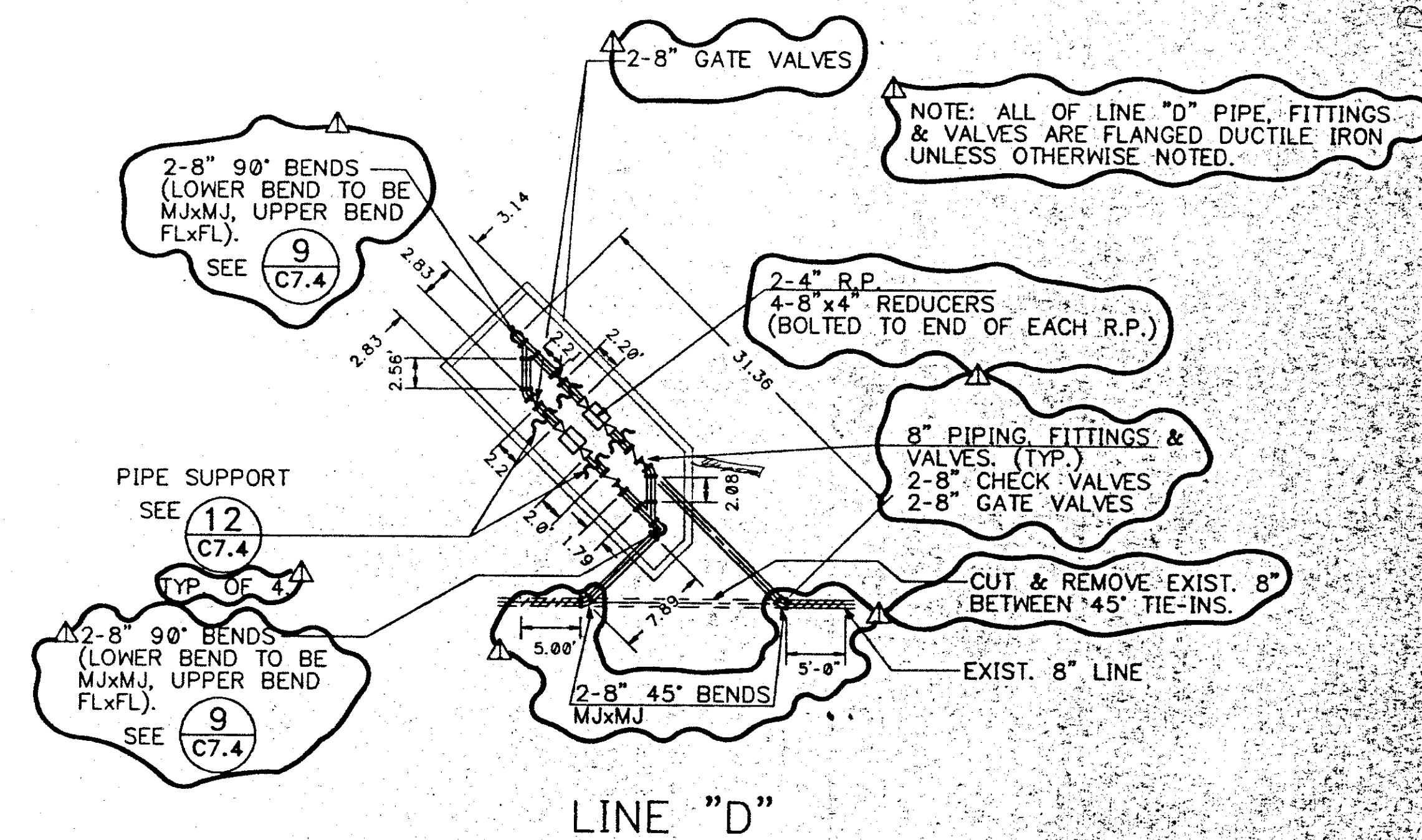
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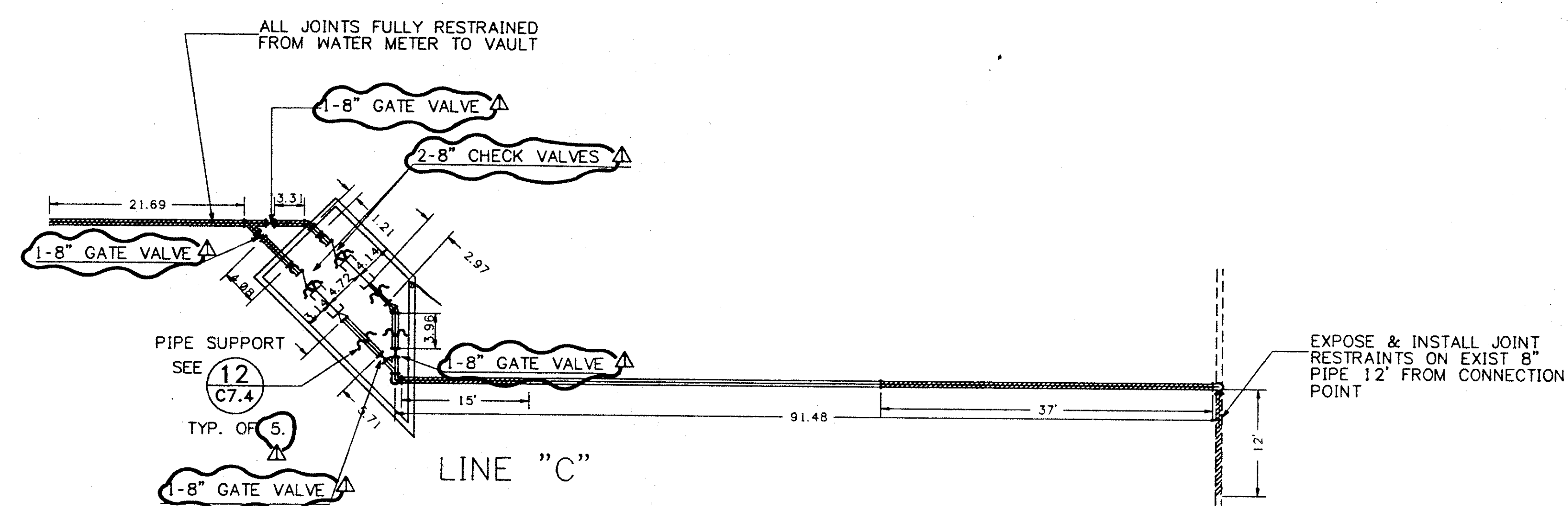
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SCALE: 1" = 20'



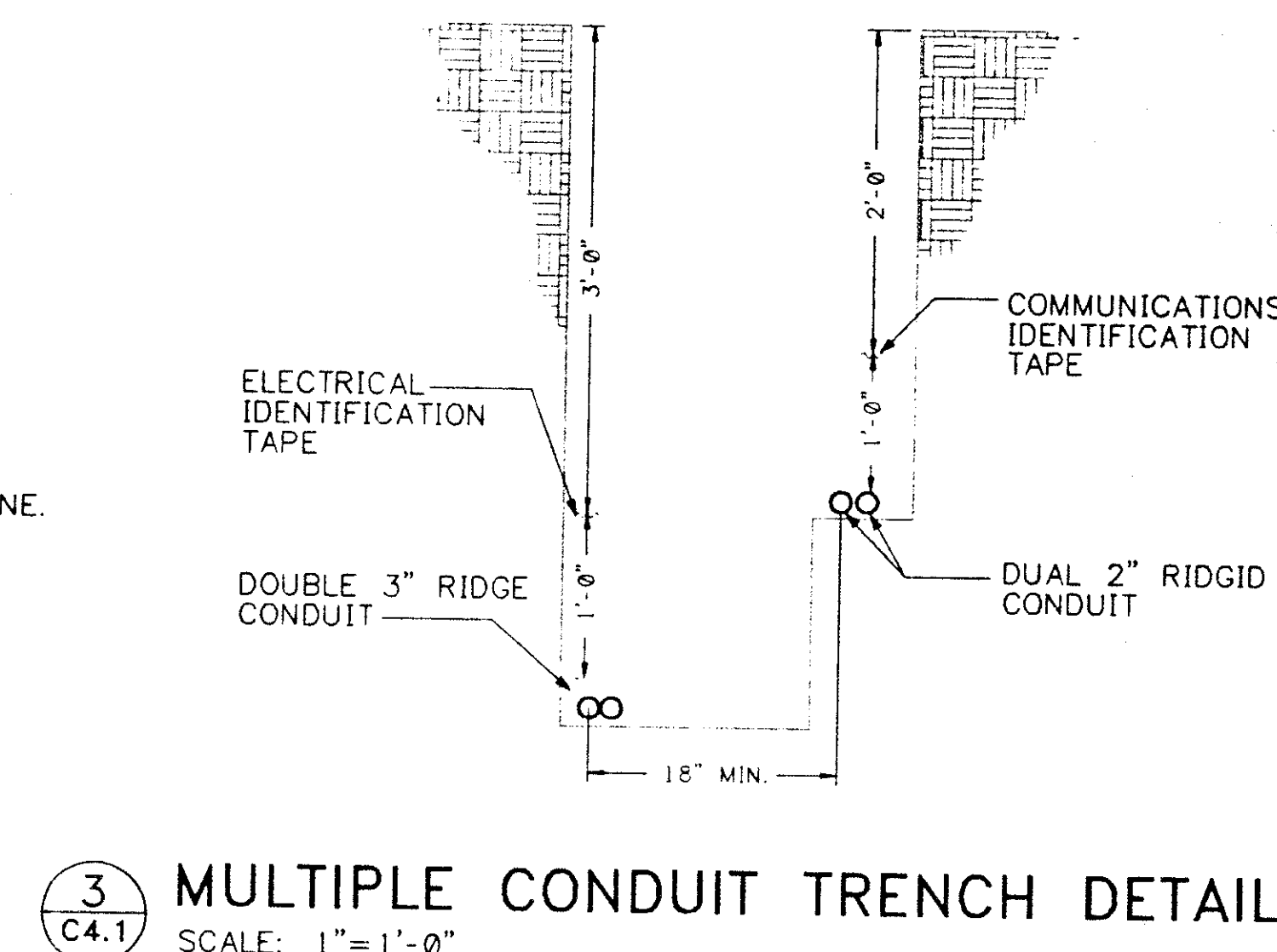
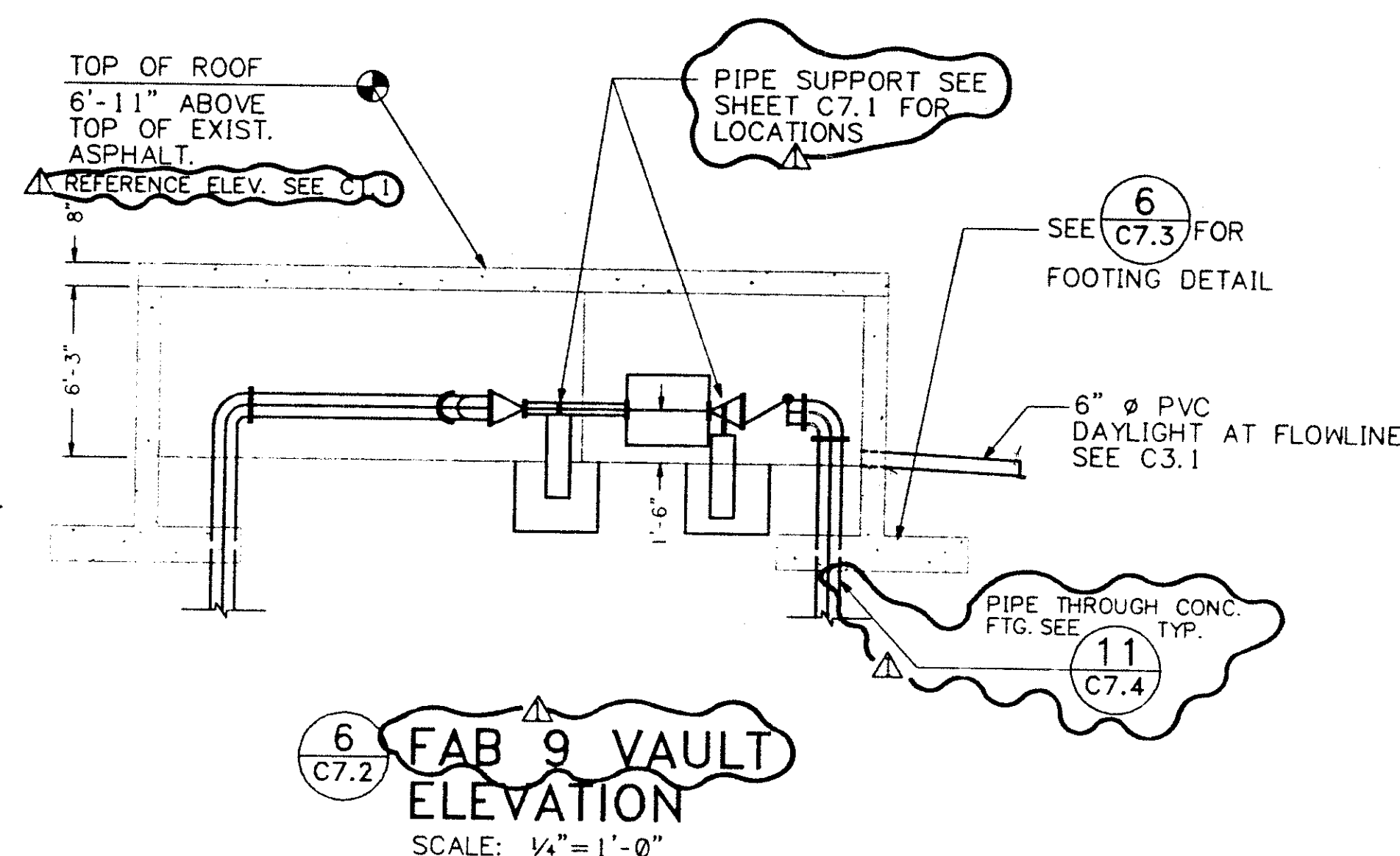
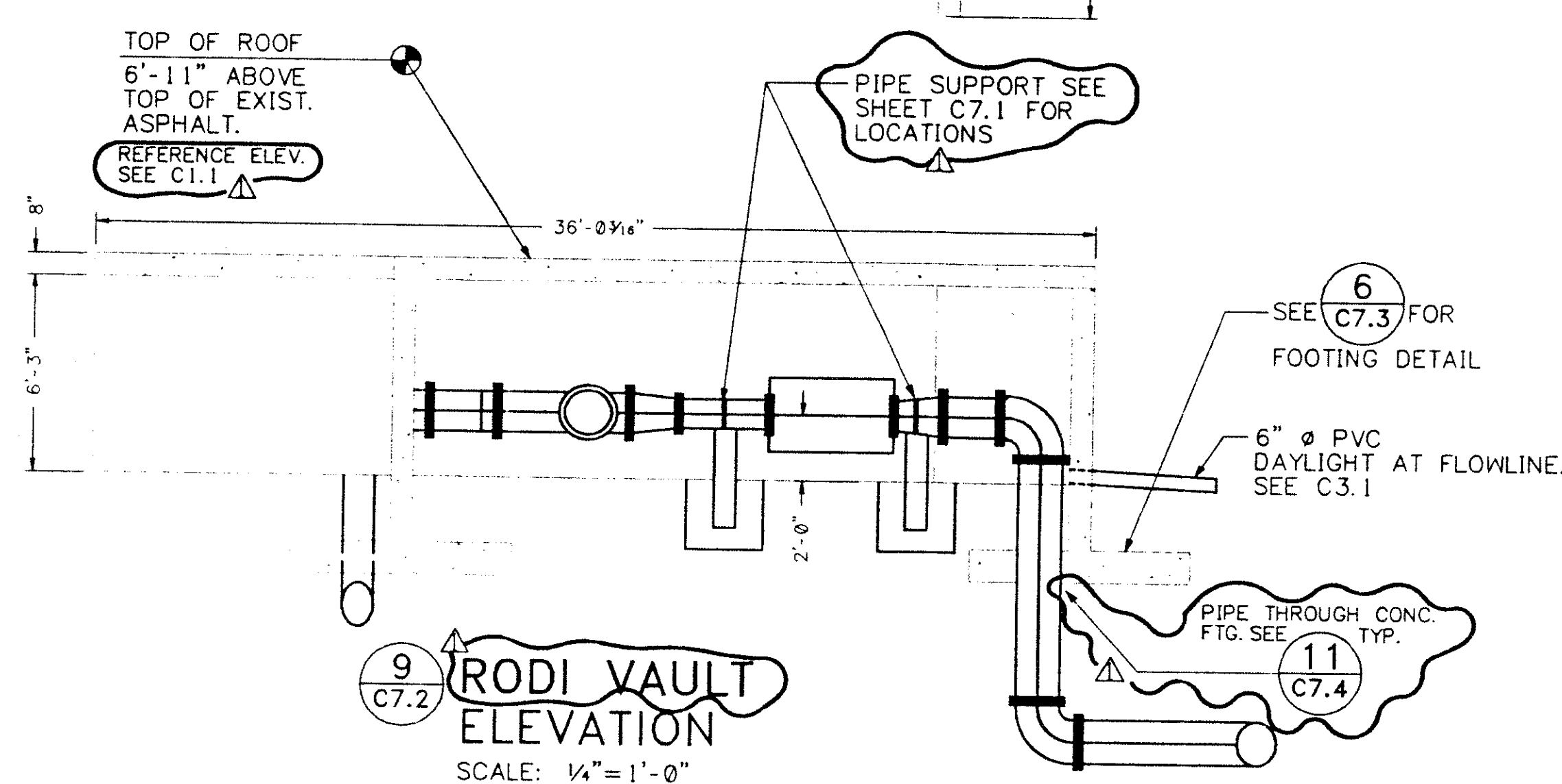
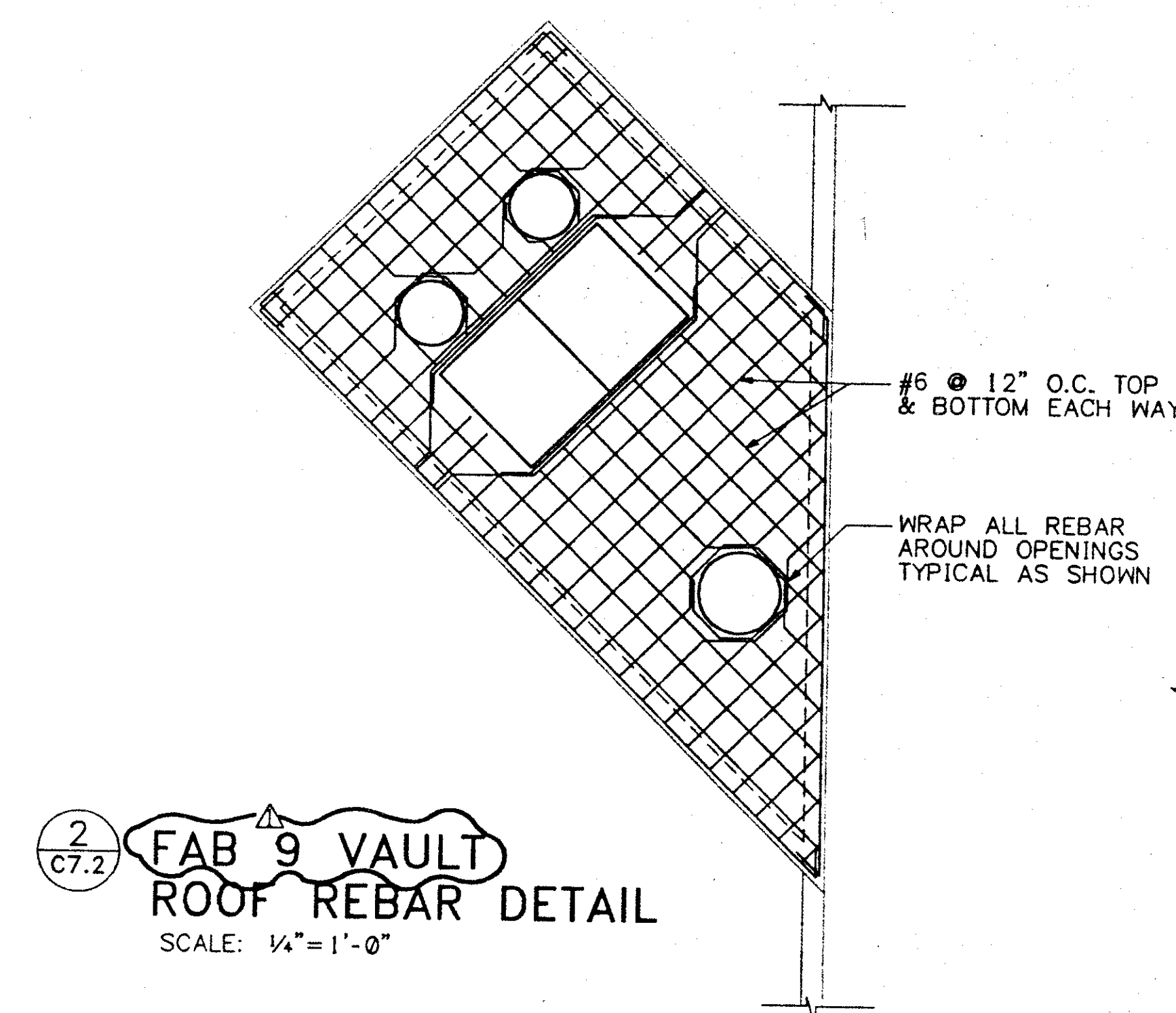
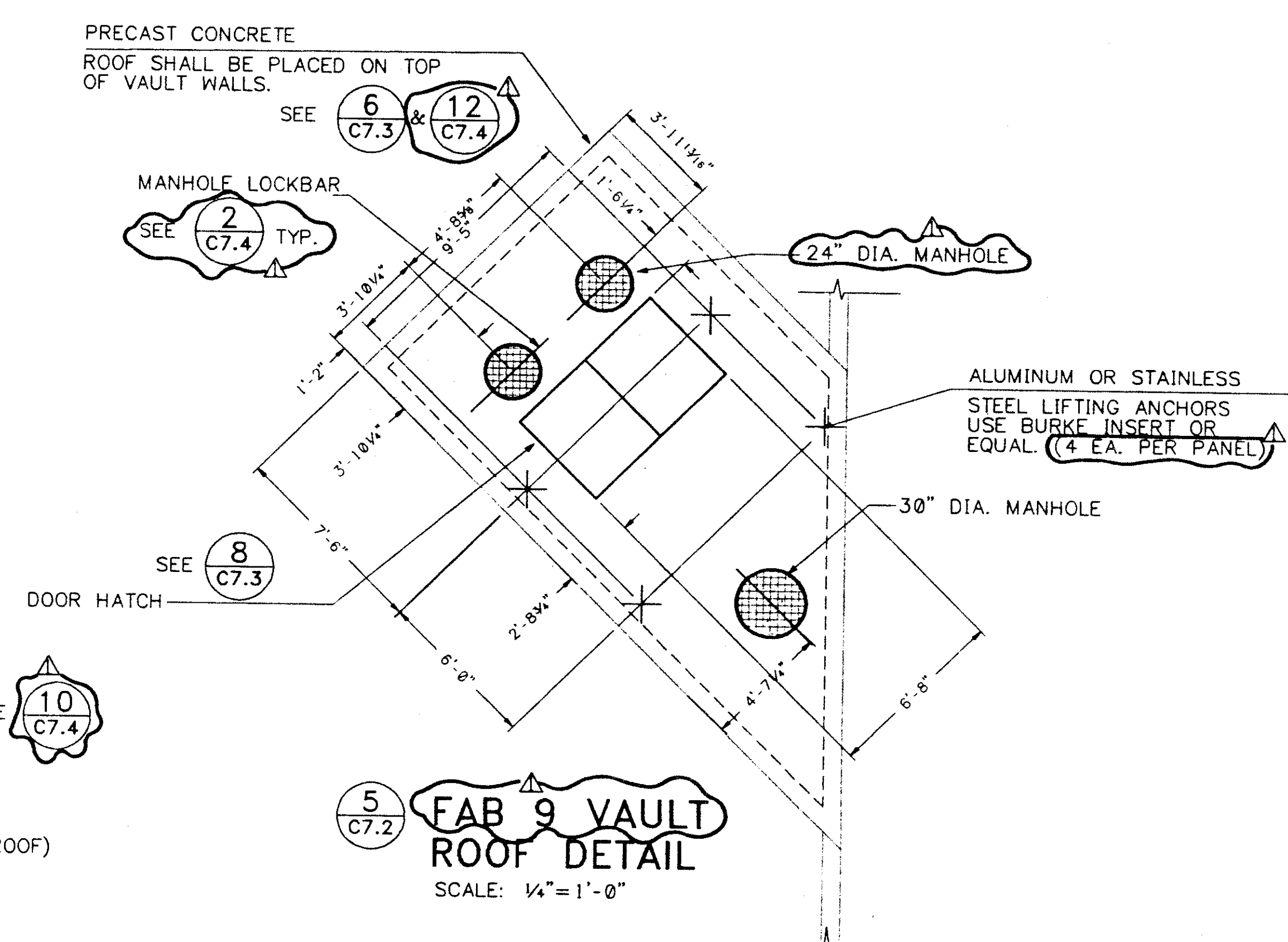
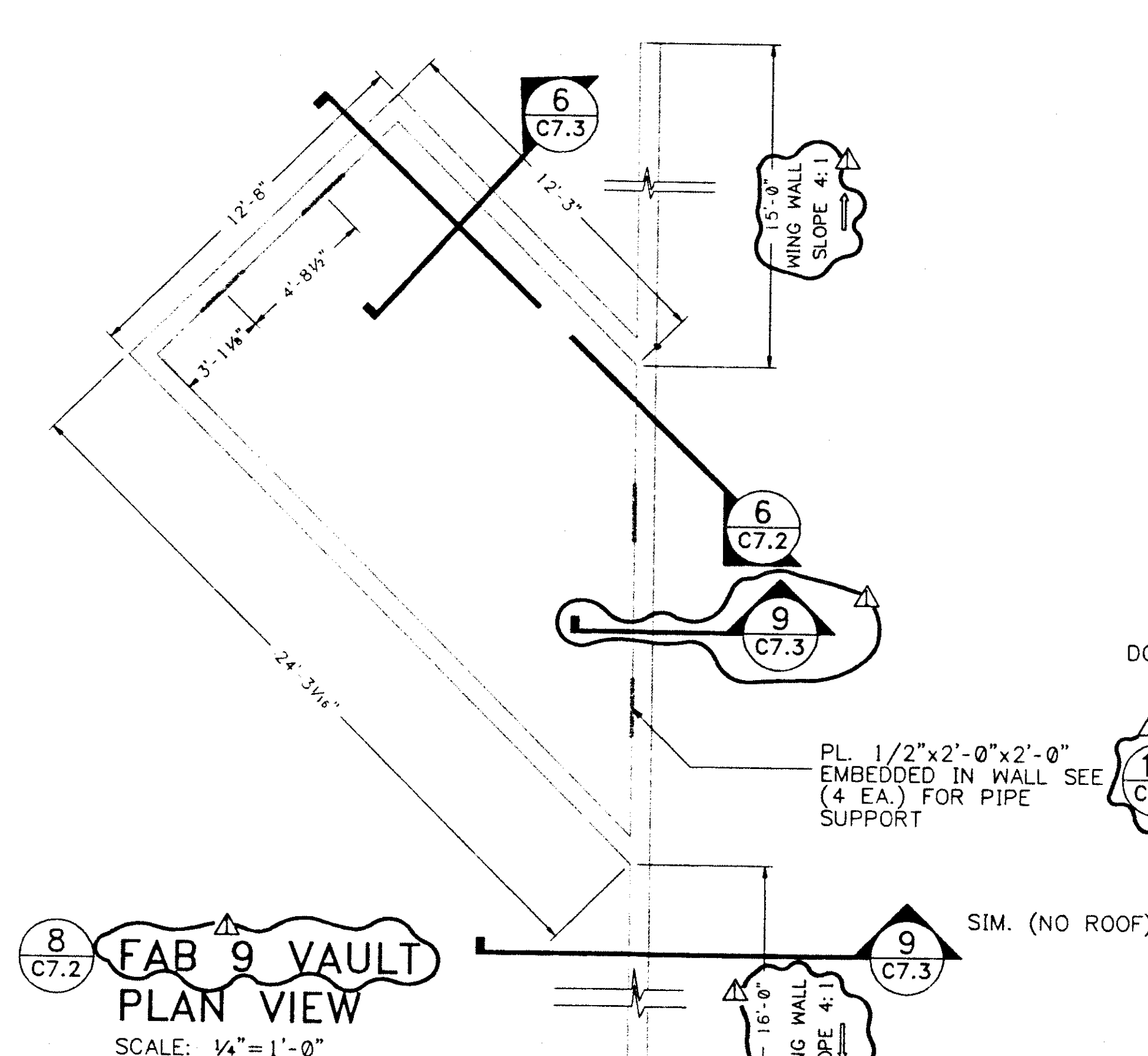
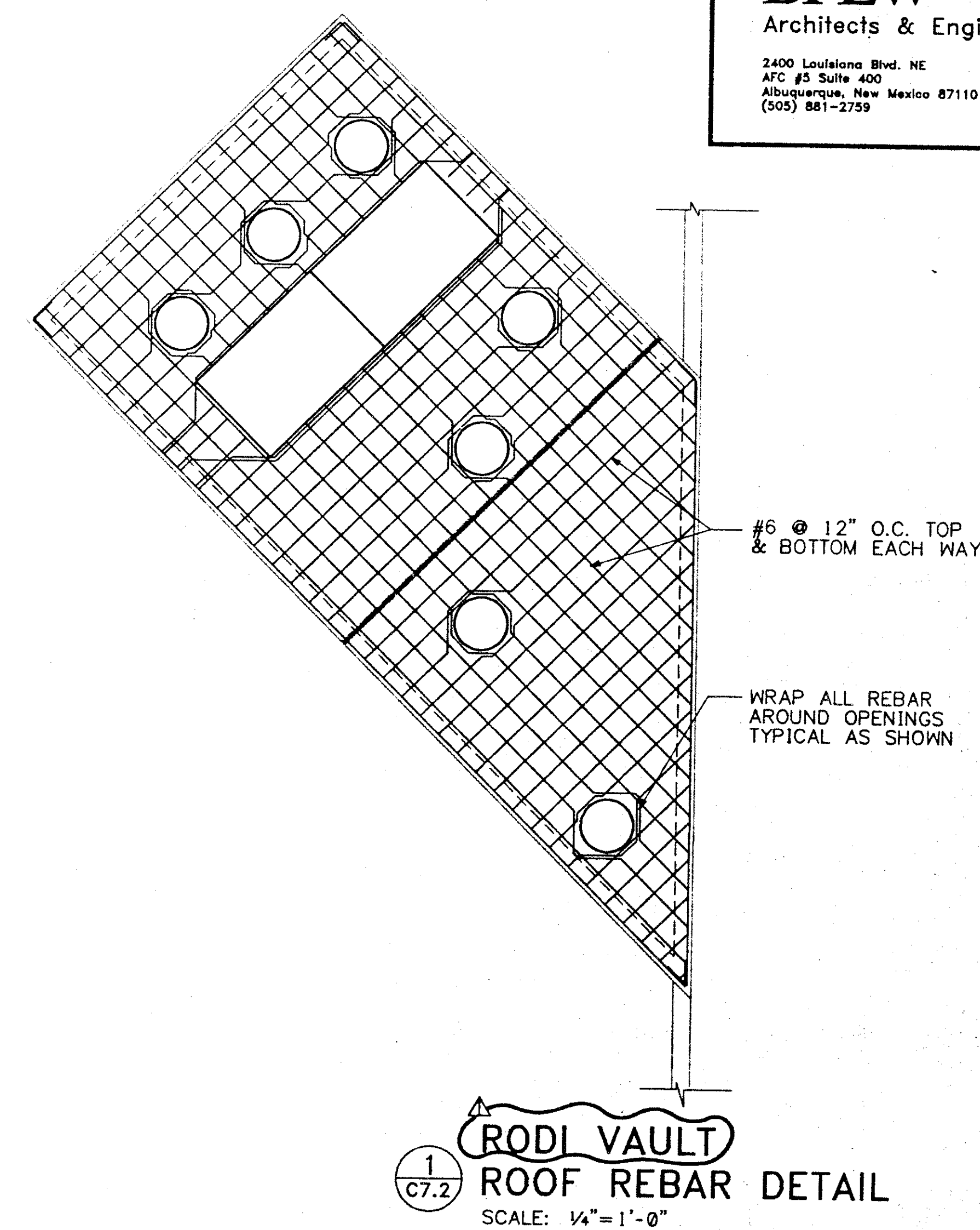
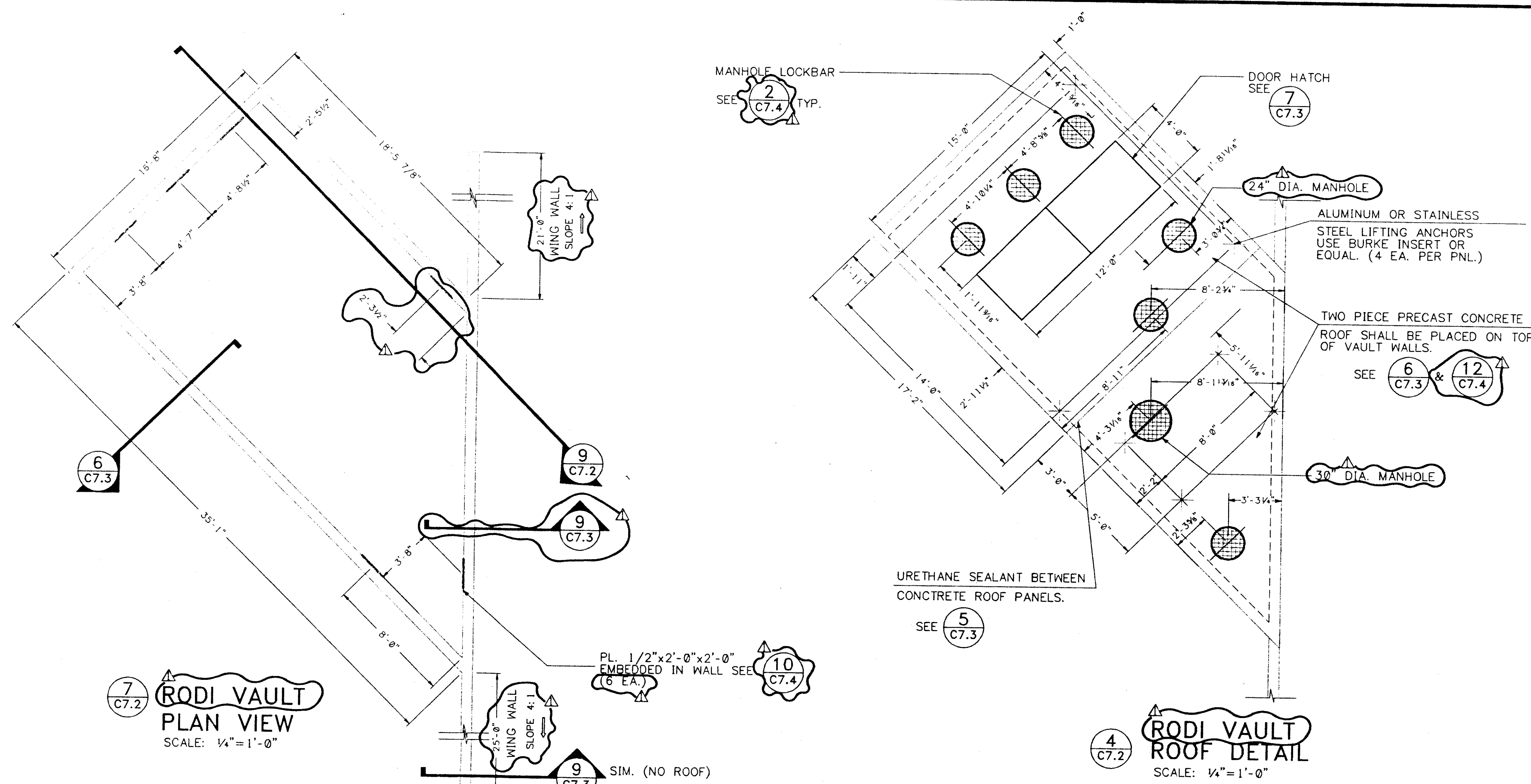
LINES "A" & "B"



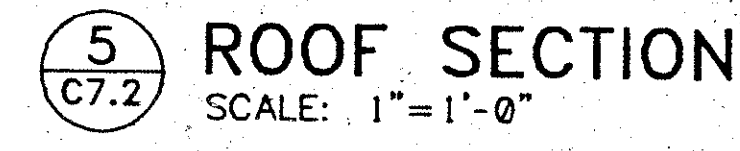
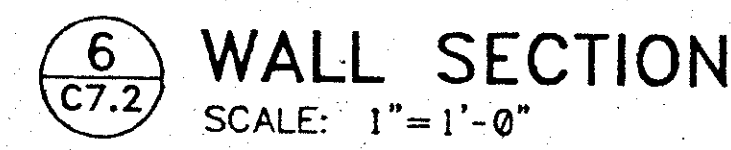
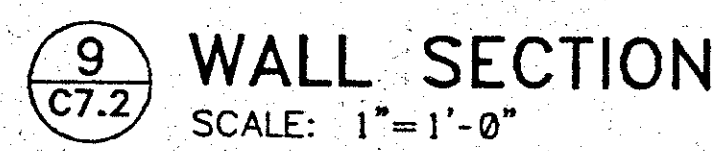
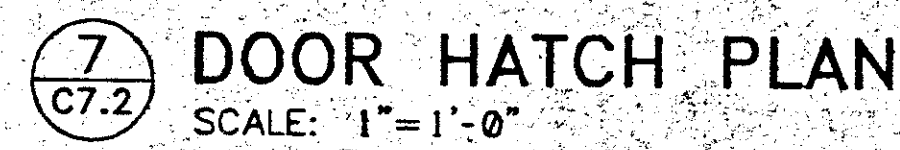
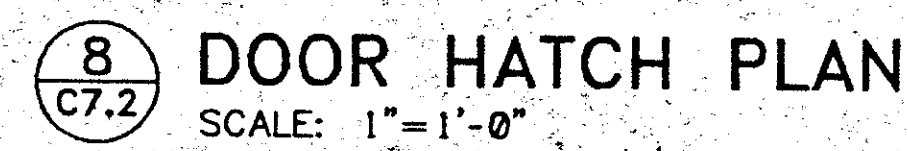
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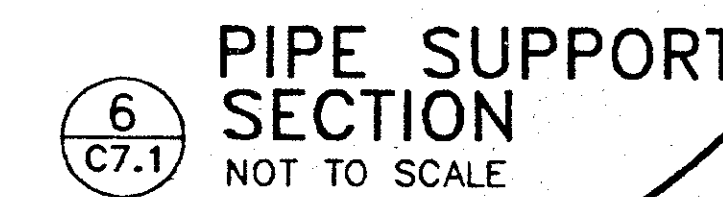
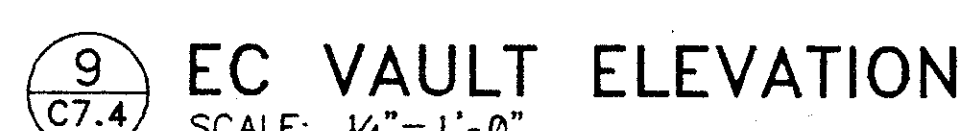
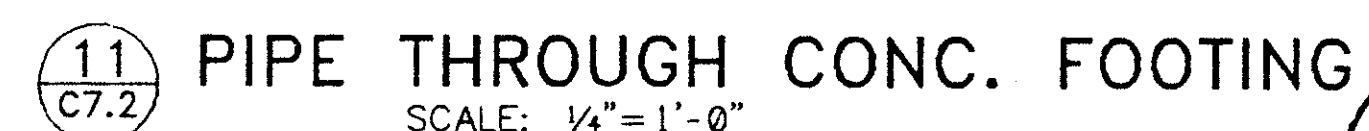
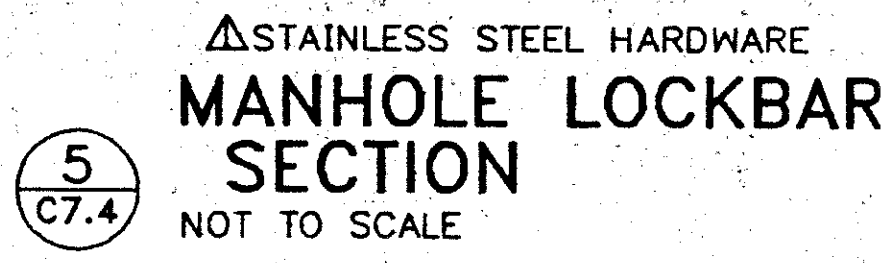
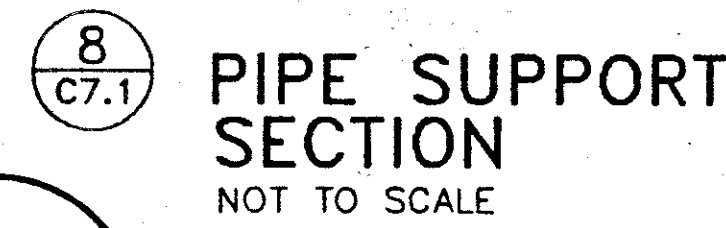
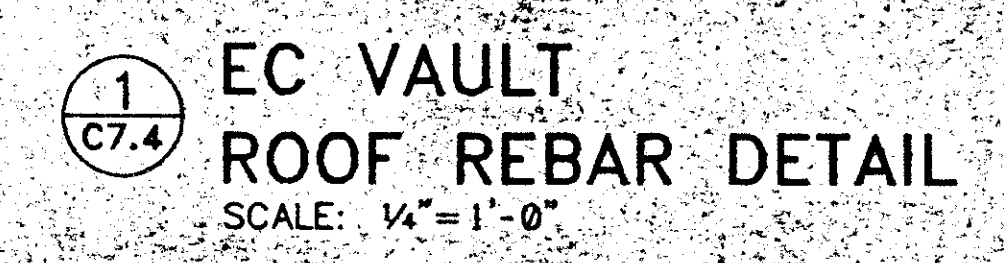
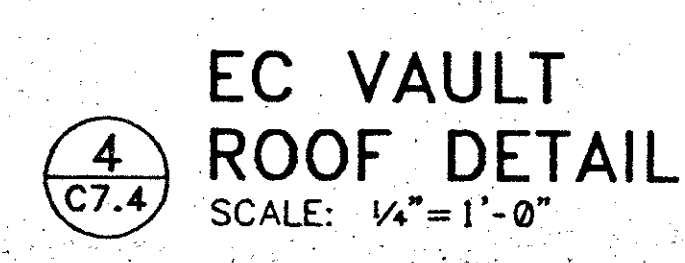
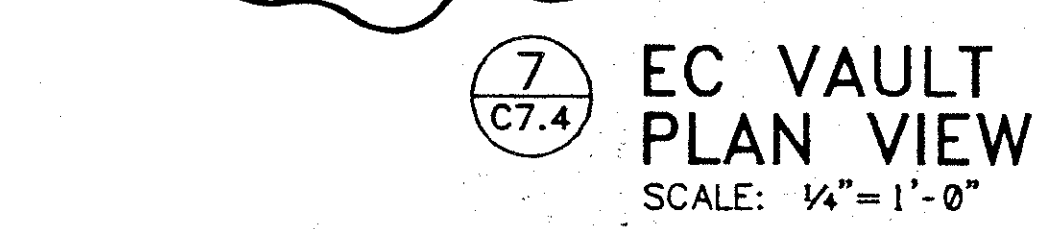
-  FULLY RESTRAINED JOINTS
REQUIRED THIS AREA.
-  GATE VALVE
-  REDUCER
-  CHECK VALVE

		REVISION			4/29/92
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APPROVALS DATE DRAWN _____ CHECKED LJD 04-16-92 CIRCLESKETCH _____ SAFETY _____ PLANNING _____ ENGINEER _____ APPROVED _____ BY DATE _____			INTEL FACILITIES CONSTRUCTION intel INTEL - New Mexico 4198 Serra Road SE. P.O. Boxes, New Mexico 87124 505 833-7980 Fax 505 833-7294 ENLARGED PIPING DETAIL INTEL 1992 WATER SYSTEM EXPANSION PAPER NO. _____ TITLE CASE _____ DRAWING NO. _____ OLD DWG. NO. _____ 05591C71 PART SCALE NUMBER SCALE _____ FEET _____		
			C7.		



REVISION			
REV. NO.	REVISION DESCRIPTION	DATE	BY
1	4/29/92		
INTEL Corporation 4100 Santa Road SE Ft. Rancho, New Mexico 87124 505 882-7888 Fax 505 882-7284			
UTILITY DETAILS			
INTEL 1992 WATER SYSTEM EXPANSION			
APPROVALS	DATE	BY	DATE
DESIGNED	MSM	04-16-92	
CHECKED			
PLANNED			
PROJECT			
APPENDIX			
FILE NO.	05591C72	PROJECT NO.	C7.2
FILE NAME	1/4"=1'-0"	FILE NAME	

[illegible]



 REVISION SHEET NO. _____ REVISION DESCRIPTION _____		APPROVED: <u>4/29/92</u> DATE _____ PL. BY: <u>7346</u>	
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APPROVALS/ DATE DRAWN: <u>LJD</u> <u>04-16-92</u> CHECKED: _____ CHECKED BY: _____ SAFETY: _____ PLANNING: _____ ENGINEER: _____ APPROVED: _____ DIST. CODE: _____		VAULT & UTILITY DETAILS INTEL 1992 WATER SYSTEM EXPANSION PWB NO. _____ F&E CODE _____ DRAWING NO. C7.4 S&B DES. NO. _____ PLOT SCALE _____ DRAWING SCALE _____ SHEET 6 $1/4" = 1'-0"$	