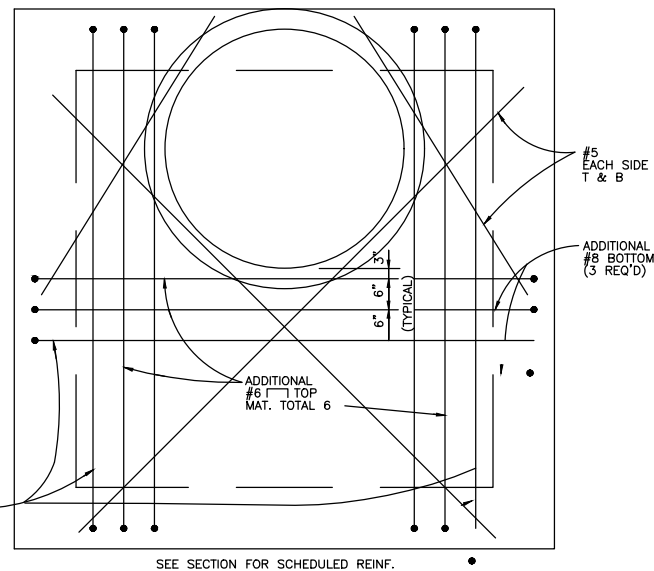
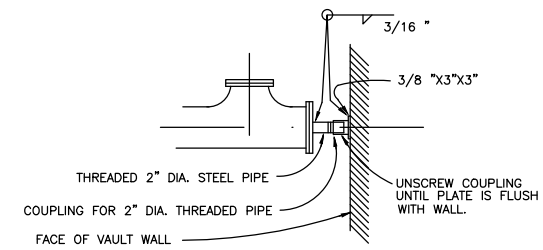


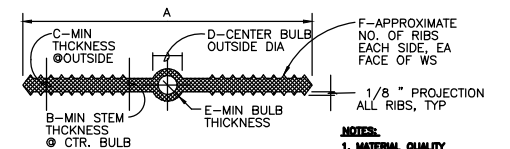
PLAN



ROOF PLAN VIEW



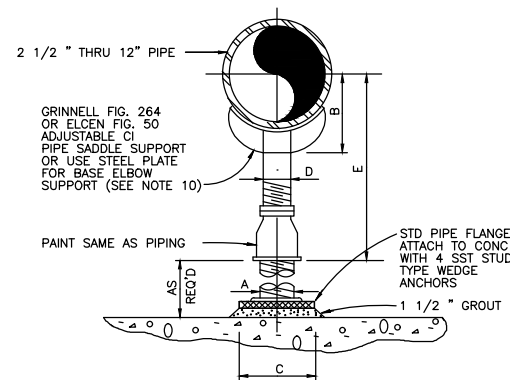
③ 6" THRUST RESTRAINT



- NOTES:**
- 1. MATERIAL QUALITY PER SPECIFICATIONS.
 - 2. DIM REQUIREMENTS INDICATED SHOULD BE GIVEN TO SUPPLIERS PRIOR TO PLACING ORDERS.
 - 3. NON-ROUND CENTER BULBS SHALL HAVE A MIN OUTSIDE DIM OF "D".

SIZE	A	B	C	D	E	F
4X3/16"	4"	3/16"	3/16"	3/4"	1/4"	4
6X3/8"	6"	3/8"	3/8"	7/8"	1/4"	6
8X3/8"	8"	3/8"	3/8"	1"	1/4"	6

4 PLASTIC WATERSTOP

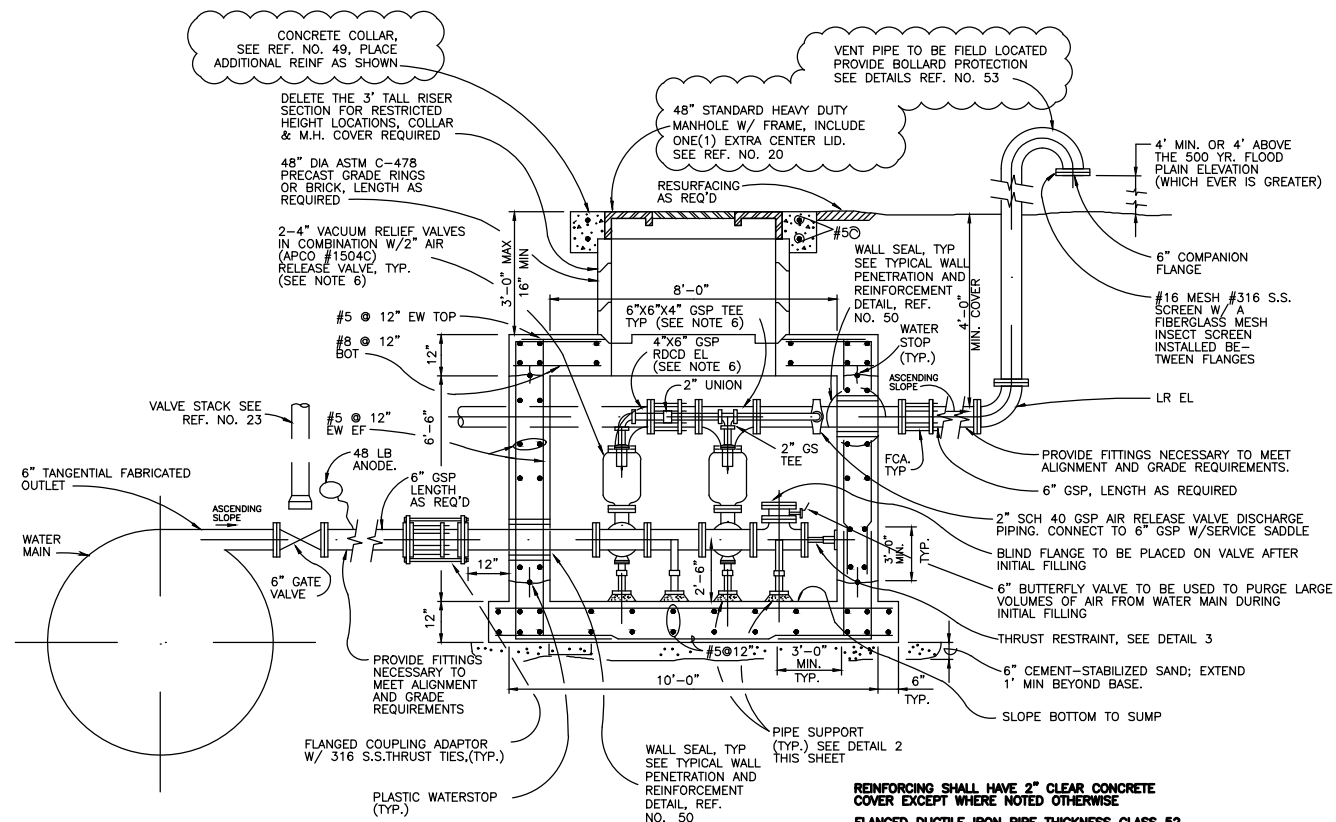


② PIPE SUPPORT

PIPE SIZE	A	B	C	D	E	
					MIN	MAX
2-1/2"	2-1/2"	3-1/2"	9"	1-1/2"	8"	13"
3"	2-5/8"	3-3/4"	9"	1-1/2"	8-1/4"	13-1/4"
3-1/2"	2-1/2"	3-5/8"	9"	1-1/2"	8-1/2"	13-1/2"
4"	3"	4-1/4"	9"	2"	9-1/4"	14"
5"	3"	4-7/8"	9"	2-1/2"	10"	14-3/4"
6"	3"	5-1/2"	9"	2-1/2"	10-1/2"	15-1/4"
8"	3-1/8"	6-1/8"	9"	2-1/2"	11-1/2"	16-3/4"
10"	3"	6-5/8"	9"	2-1/2"	13-1/2"	18-1/4"
12"	3"	9-15/16"	9"	2-1/2"	15"	19-3/4"

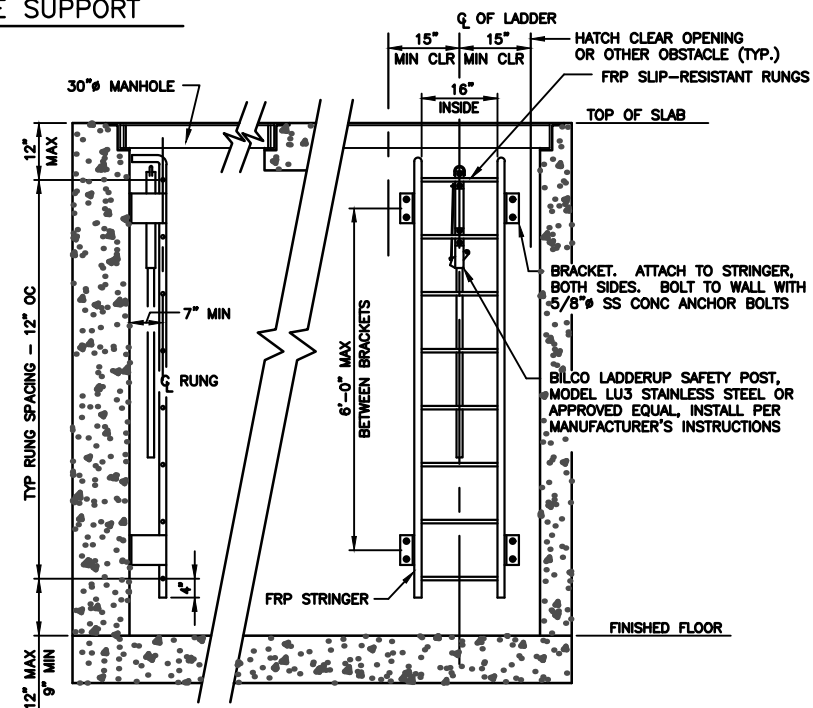
- NOTES:**

1. ALL GSP SHALL BE COATED AS SPECIFIED FOR STEEL PIPE.
2. ALL JOINTS UPSTREAM OF VAULT SHALL BE BONDED TO THE CATHODIC PROTECTION DETAILS.
3. ANODE SHOWN IS IN ADDITION TO ANODES REQ'D. FOR WATER MAIN.
4. FIELD COAT ALL BURIED FLANGE BOLTS, COA AND THRUSTER ASSEMBLIES AFTER ASSEMBLY W/ 2 COATS KOPPERS BITUMASTIC 50, OR EQUAL.
5. SEE THE SPECIFICATIONS FOR GSP LINING AND COATING REQUIREMENTS.
6. IF 2 - 6" VACUUM RELIEF VALVES ARE CALLED FOR ON THE PLAN AND PROFILE DRAWINGS, THEN PROVIDE 6" VALVES (APCO #1506C) AND 6" VENT AND ASSOCIATED PIPING.
7. PROVIDE HALF ROUND RIGID INSULATION AND INSULATION PROTECTION SHIELD, SIMILAR TO GRINNELL FIGURE 219, WHERE PIPING IS INSULATED.
8. PROVIDE NEOPRENE WAFFLE ISOLATION PAD, SIMILAR TO MASON TYPE "W" OR KORFUND KOPAD 40, UNDER SUPPORT FOOT.
9. FOR BASE, HEIGHT AND FLANGE DIMENSIONS, SEE TABLE.
10. STEEL BASE FOR BASE ELBOW SUPPORT SHALL MATCH DIAMETER. BOLT HOLE SPACING AND THICKNESS OF ELBOW BASE FLANGE.
11. SST INDICATES TYPE 316 STAINLESS STEEL.
12. UNDER NO CIRCUMSTANCES SHALL VACUUM VALVE VAULT ASSEMBLY BE USED FOR DRAINING CHLORINE DISINFECTED WATER MAINS.



SECTION

① DUAL 4" VACUUM VALVE ASSEMBLY IN VAULT



5 ACCESS LADDER DETAIL

4" VACUUM VALVE AND VALVE DETAILS

APPROVED BY: *Snandagiri*

DESIGN MANAGER

EFF. DATE: 12/22/2020	REF. NO. 117
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