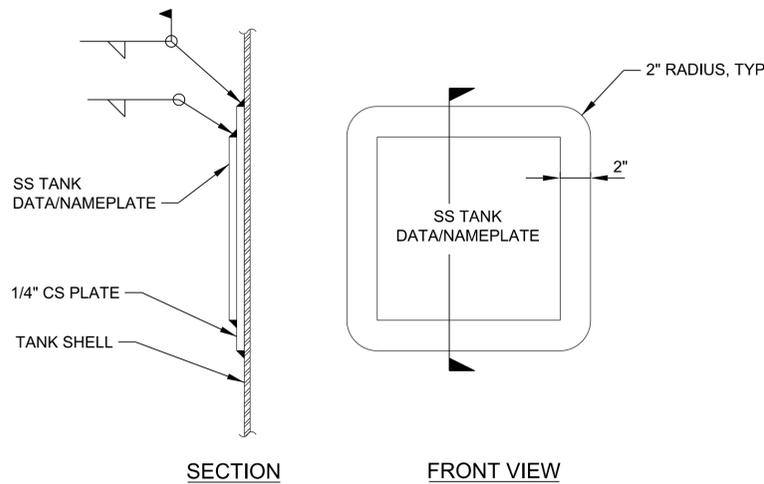


SHELL PENETRATION 1

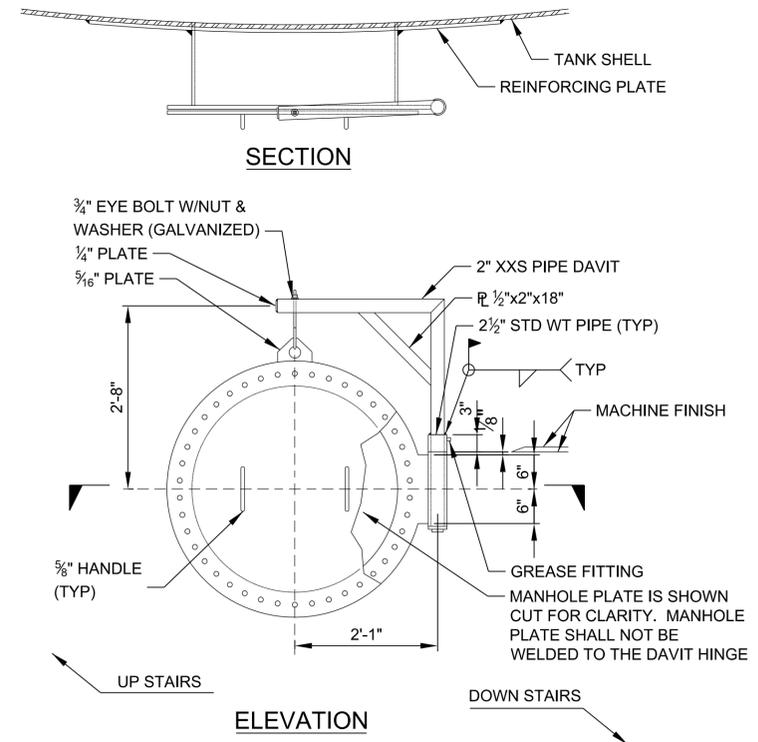
SCALE: 3/4"=1'-0" XX.02 | D.10
D.08



TANK DATA PLATE 2

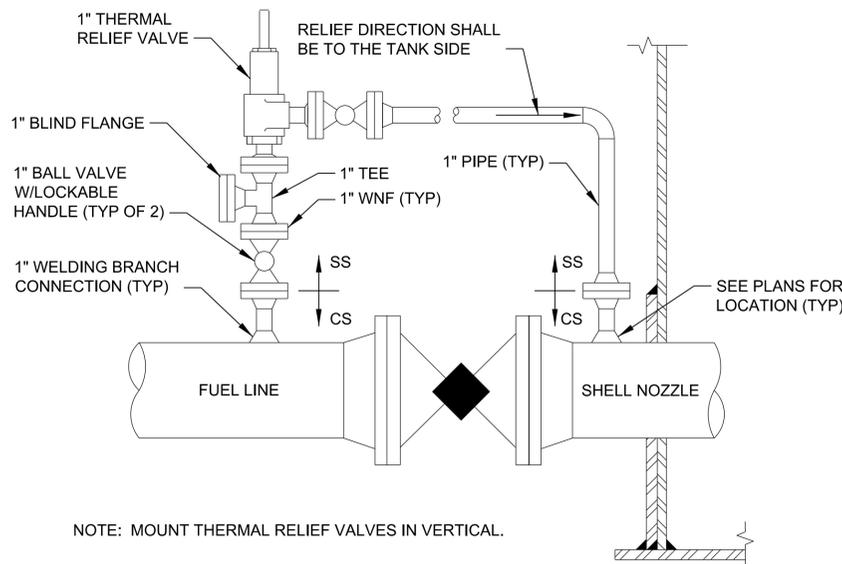
SCALE: NONE XX.01 | D.10

NOTE:
TANK DATA/NAMEPLATE SHALL INDICATE THE DIAMETER OF THE TANK, JOINT EFFICIENCY, NOMINAL THICKNESS, AND MATERIAL FOR EACH SHELL COURSE IN ADDITION TO INFORMATION REQUIRED BY API STANDARD 650. LOCATE NEAR MANHOLE ON MOST USED APPROACH SIDE AND AT EYE LEVEL.



SHELL MANHOLE DAVIT 3

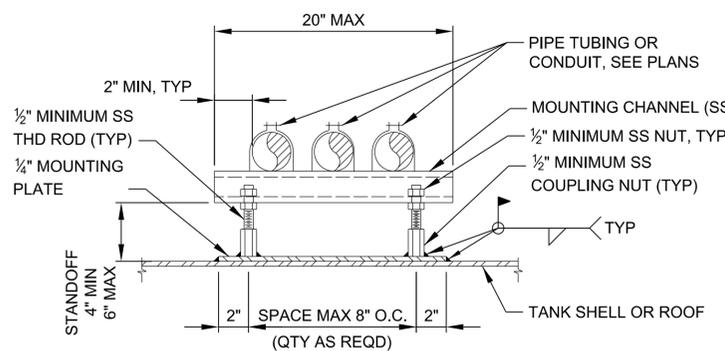
SCALE: 3/4"=1'-0" XX.02 | D.10



THERMAL RELIEF VALVE (TRV) 4

SCALE: NONE D.02 | D.10
D.08
D.12

NOTE: MOUNT THERMAL RELIEF VALVES IN VERTICAL.

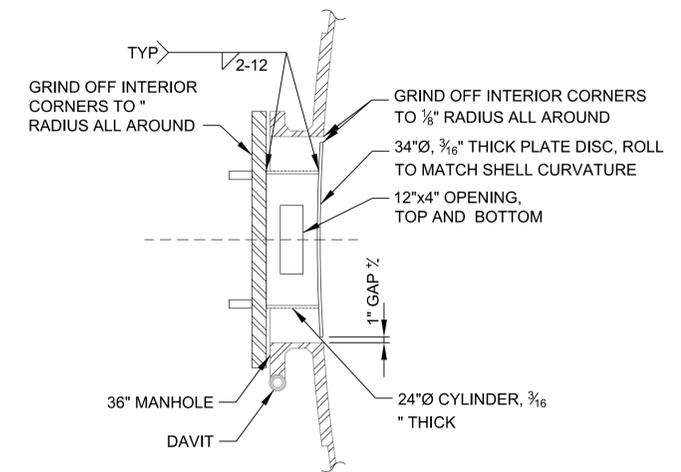


NOTES:

1. COUPLING NUT SHALL BE COATED WITH TANK. INSTALL MOUNTING CHANNEL ASSEMBLY AFTER TANK IS COATED; DO NOT COAT MOUNTING CHANNEL.
2. USE SIMILAR DETAIL FOR SUPPORTS MOUNTED ALONG THE TANK'S CONCRETE RINGWALL FOUNDATION, EXCEPT THE STAND-OFF IS NOT REQUIRED. BOLT SUPPORTS ON THE SIDE OF THE CONCRETE RINGWALL NOT THE TOP.
3. PLAN VIEW FOR SUPPORTS ON TANK SHELL. ELEVATION VIEW FOR SUPPORTS ON TANK ROOF.

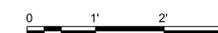
TYPICAL SUPPORT ON TANKS PLAN/ELEVATION 5

SCALE: NONE D.12 | D.10



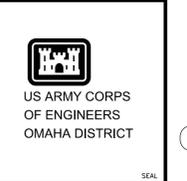
FILLER DRUM 6

SCALE: 3/4"=1'-0" XX.02 | D.10



NOTE: PROVIDE FILLER DRUM ON SHELL MANHOLES OF TANKS WITH FLOATING PANS.

DATE	APPROVED
DESCRIPTION	DATE
DATE	APPROVED
DESCRIPTION	DATE



APPROVED

FOR COMMANDER NAFAC

ACTIVITY

SATISFACTORY TO

DES MSO | DRW MHK | CHK WVB

SUBMITTED BY:

DATE: APRIL 2015

NAVAL FACILITIES ENGINEERING COMMAND - ATLANTIC

DOD STANDARD DESIGN AW78-24-27

FUEL TANKS WITH FIXED ROOFS ABOVEGROUND VERTICAL STEEL

TYPICAL DETAILS - SHELL NOZZLES & APPURTENANCES

SCALE: AS NOTED

PROJECT NO.: XXXXX

CONSTR. CONTR. NO. XXXXX

NAFAC DRAWING NO. XXXXX

SHEET 54 OF 57

D.10

DRAWN BY: 10 MAY 2014

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