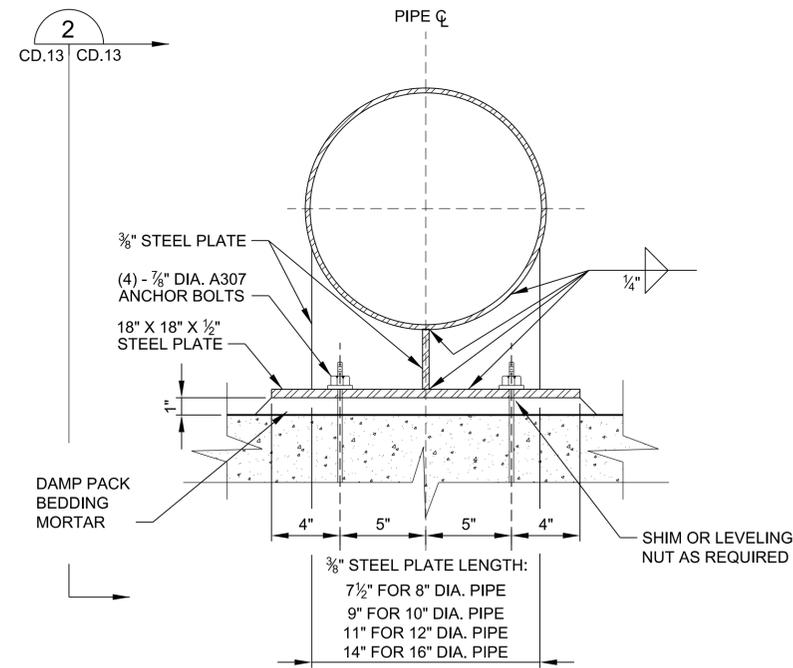
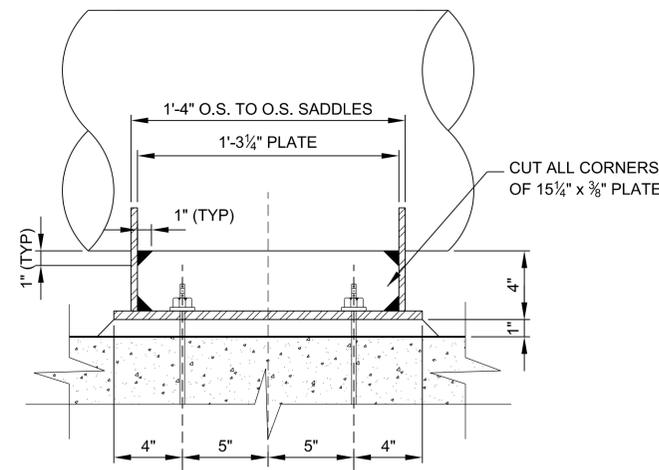


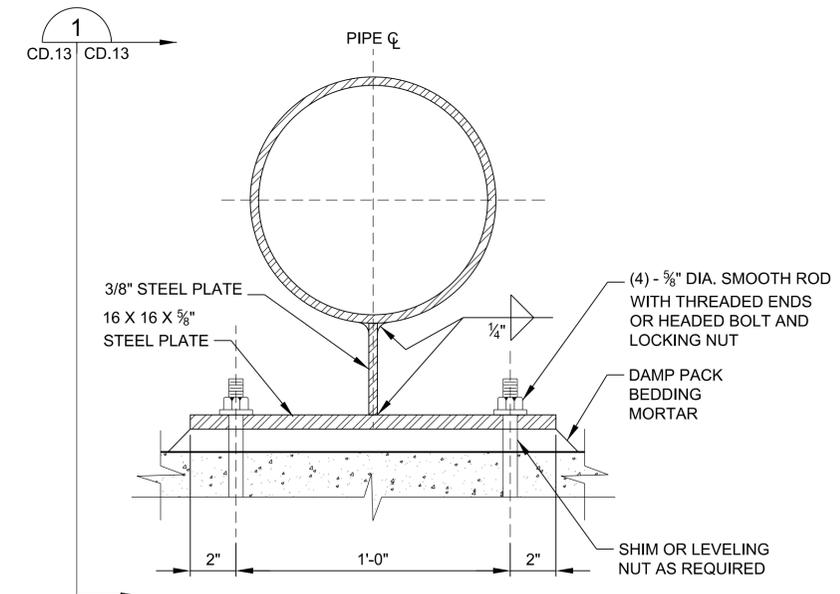
LESS THAN 8" DIA. PIPE SUPPORT SECTION  
TYPE AS: ANCHORED SUPPORT  
SCALE: NONE



8" DIA. OR GREATER PIPE SUPPORT DETAIL  
TYPE AS: ANCHORED SUPPORT  
SCALE: NONE



8" DIA. OR GREATER PIPE SUPPORT SECTION  
TYPE AS: ANCHORED SUPPORT  
SCALE: NONE

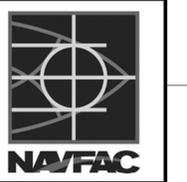


LESS THAN 8" DIA. PIPE SUPPORT DETAIL  
TYPE AS: ANCHORED SUPPORT  
SCALE: NONE

PIPE SUPPORT NOTES:

1. PROVIDE CARBON STEEL PIPE SUPPORTS, INCLUDING: STRAPS, PLATES GUIDES AND TEE'S WHERE CARBON STEEL PIPE IS USED. ALL CARBON STEEL ELEMENTS SHALL HAVE THE SAME MECHANICAL PROPERTIES PROVIDE STAINLESS STEEL PIPE SUPPORTS, INCLUDING: STRAPS, PLATES, GUIDES AND TEES WHERE STAINLESS STEEL PIPE IS USED. ALL STAINLESS STEEL ELEMENTS SHALL HAVE THE SAME MECHANICAL PROPERTIES. DO NOT WELD CARBON STEEL PLATES OR TEES TO STAINLESS STEEL PIPE.
2. THE 1 1/4" x 3/8" HORIZONTAL PLATE BETWEEN SADDLES SHALL HAVE 1" X 1" TRIANGLES CUT OFF OF ALL 4 CORNERS. THE PLATE SHALL NOT BE SQUARE IN SHAPE SO AS TO AVOID 3 WELDS INTERSECTING IN THE CORNERS, WHICH CAUSES AREAS OF HIGH RESTRAINT AND INCREASED POTENTIAL FOR CRACKING.

DATE	APPROVED
DESCRIPTION	



SEAL

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 EXTERIOR PIPE SUPPORT DETAILS**

SCALE: AS NOTED  
PROJECT NO.: XXXXX  
CONSTR. CONTR. NO.: XXXXX  
NAFAC DRAWING NO.: XXXXX  
SHEET 23 OF 57

CD.13