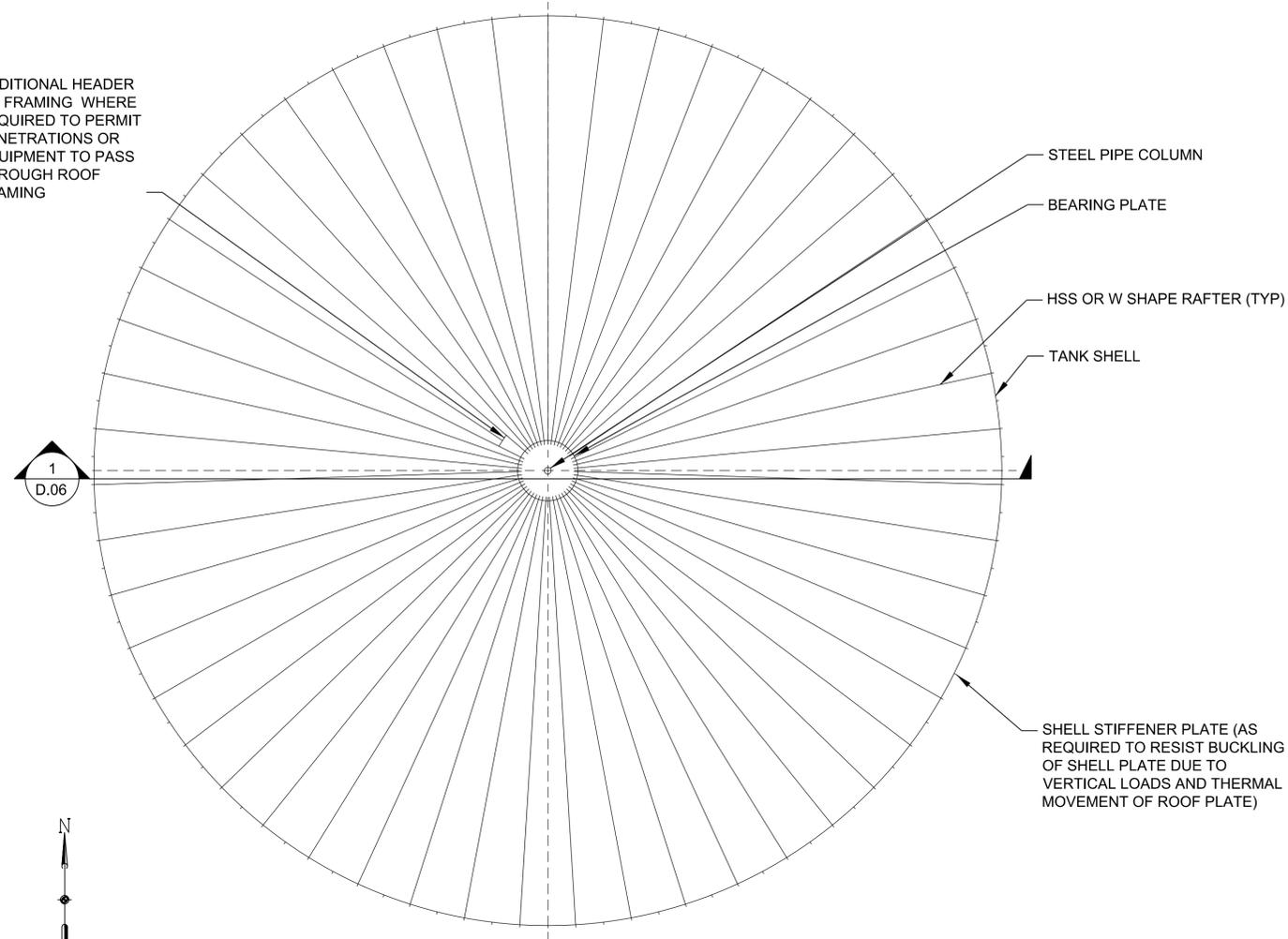
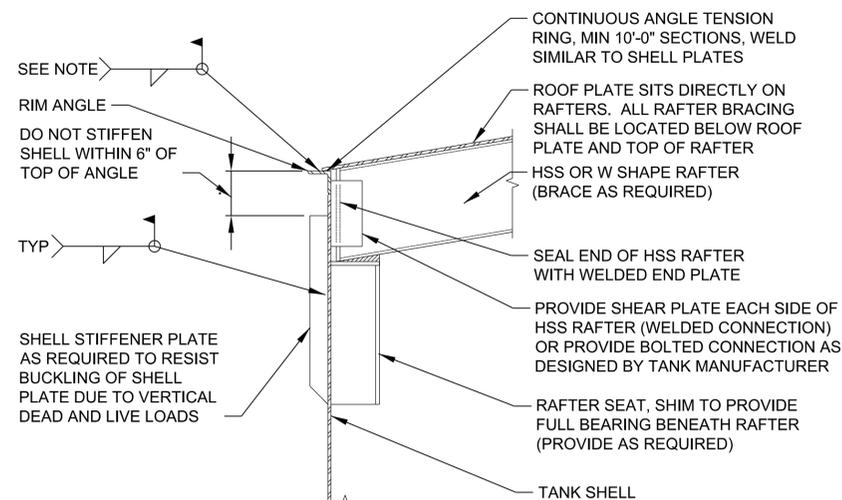


ADDITIONAL HEADER OR FRAMING WHERE REQUIRED TO PERMIT PENETRATIONS OR EQUIPMENT TO PASS THROUGH ROOF FRAMING



ROOF SUPPORT PLAN - SINGLE COLUMN TANKS

SCALE: 3/32"=1'-0"

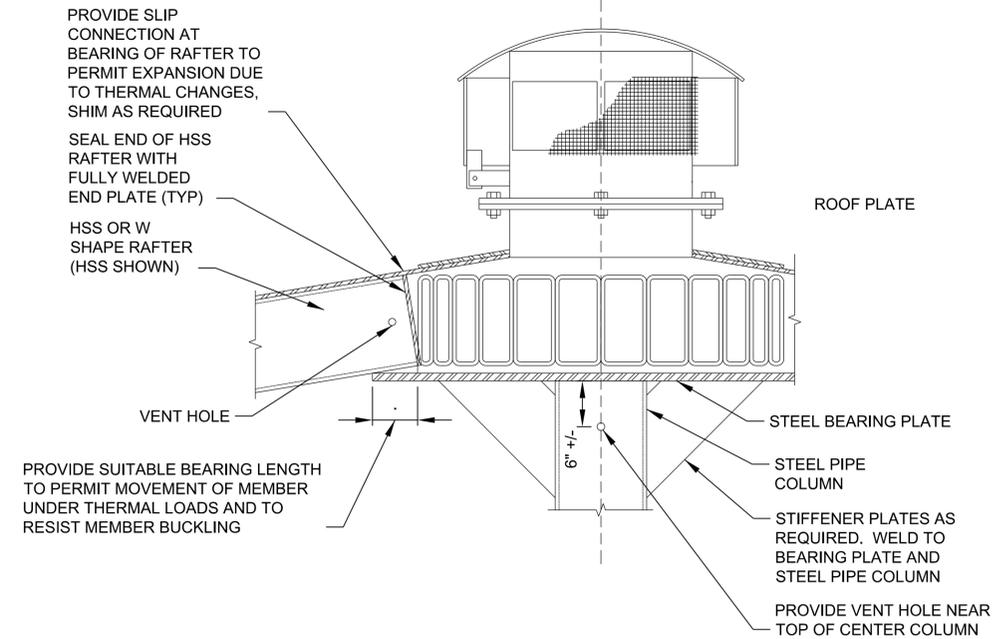


NOTE:
FOR TANKS WITHOUT FLOATING PANS, PROVIDE ROOF PLATE-TO-RIM ANGLE WELD NO LARGER THAN 3/16"

RAFTER-SHELL CONNECTION

SCALE: 1"=1'-0"

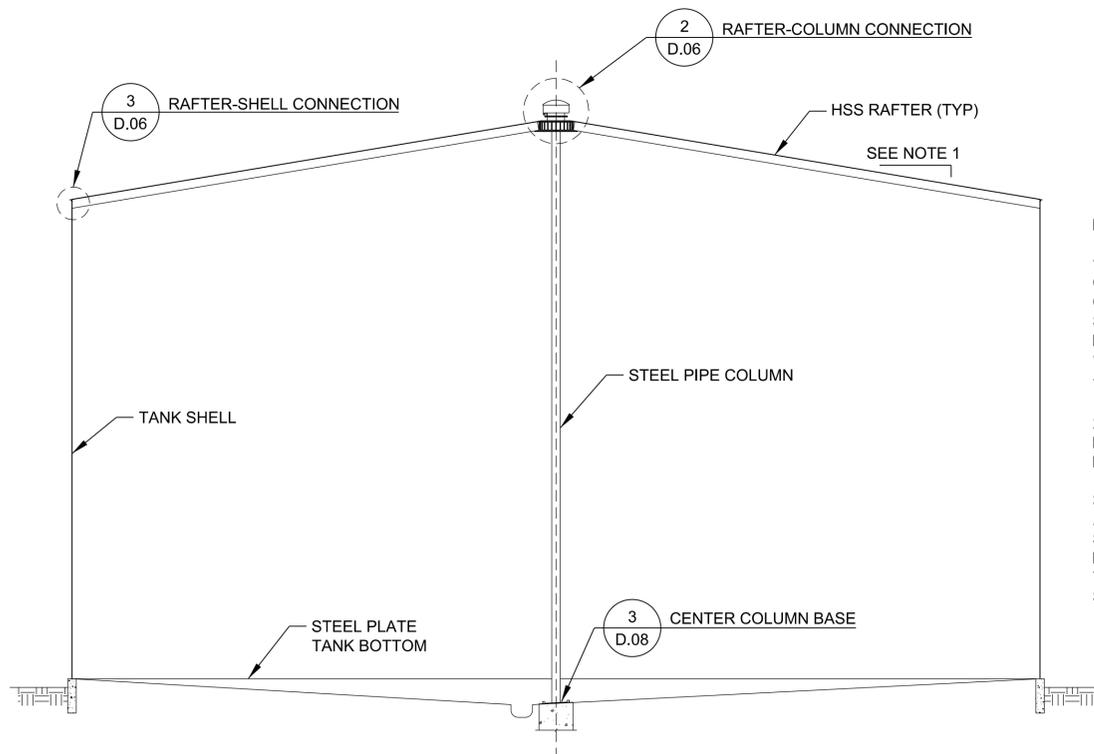
3
D.05 | D.06
D.06



RAFTER-COLUMN CONNECTION

SCALE: 1"=1'-0"

2
D.06 | D.06



SECTION

SCALE: 3/32"=1'-0"

1
D.06 | D.06

NOTES:

1. SLOPE OF ROOF SHALL BE CONSISTENT AND CONTINUOUS. TANK ROOF SHALL HAVE A CONSTANT ROOF SLOPE OF 2 INCHES IN 12 INCHES. SLOPE OF FINISHED TANK ROOF PLATE SHALL BE PUDDLE TESTED AS SPECIFIED. PUDDLES OF WATER DEEPER THAN 3/16 INCH ANYWHERE ON THE TANK ROOF PLATES SHALL NOT BE ACCEPTED.
2. NUMBER OF RAFTERS AT BEARING PLATE CAN BE REDUCED BY INSTALLING HEADERS OR ADDITIONAL FRAMING BETWEEN RAFTERS.
3. TANKS GREATER THAN 91 FEET IN DIAMETER AND, EQUAL OR LESS THAN 126 FEET IN DIAMETER SHALL HAVE NO MORE THAN ONE COLUMN LOCATED AT CENTER OF TANK. LESSER DIAMETER TANKS SHALL HAVE NO INTERIOR COLUMN SUPPORTS.

DATE	
DESCRIPTION	
SW	



APPROVED	
FOR COMMANDER NAVFAC	
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
80,000 BBL AND 100,000 BBL TANKS ROOF FRAMING PLAN

SCALE: AS NOTED
EPROJECT NO.: XXXXX
CONSTR. CONTR. NO. XXXXX
NAVFAC DRAWING NO. XXXXX
SHEET 50 OF 57
D.06

DRAWN BY	
CHECKED BY	
DATE	