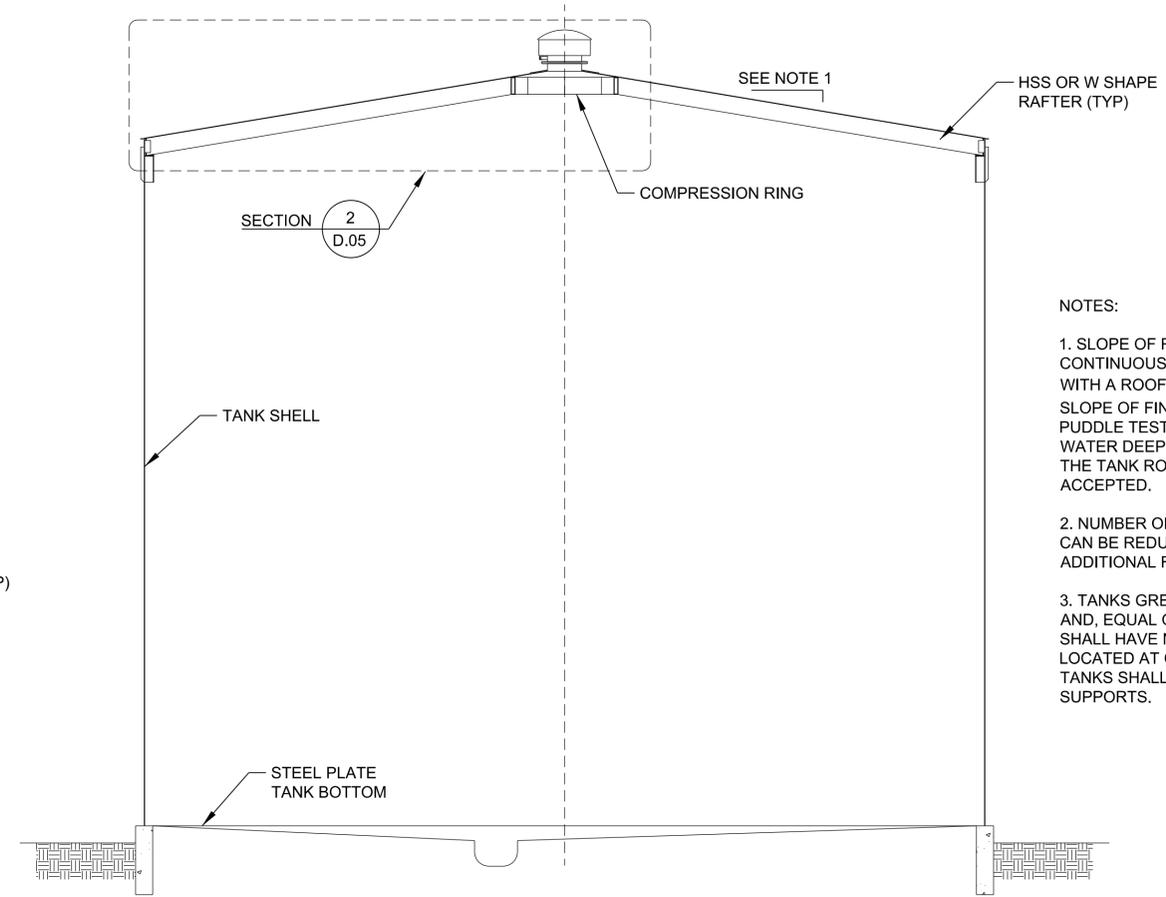


ROOF SUPPORT PLAN - NO COLUMNS

SCALE: 3/16"=1'-0"

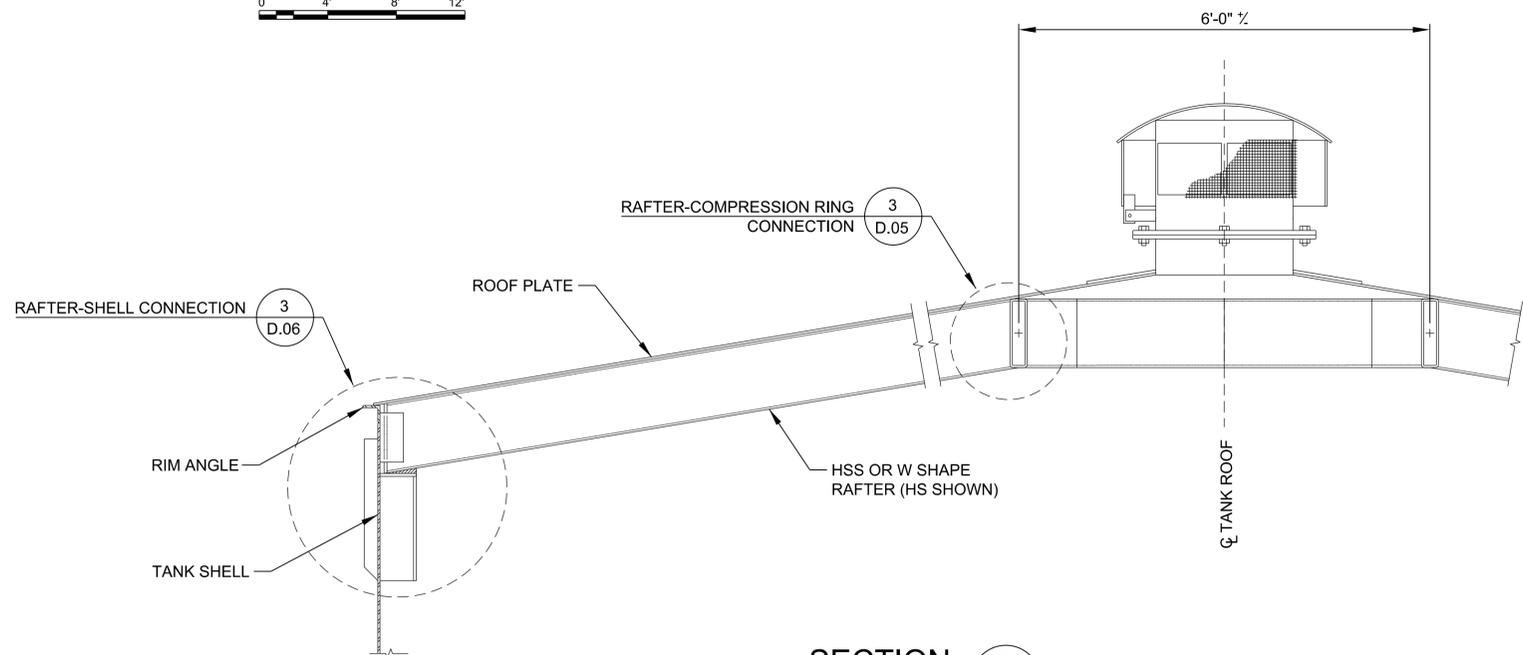


SECTION 1

SCALE: 3/16"=1'-0" D.05 | D.05

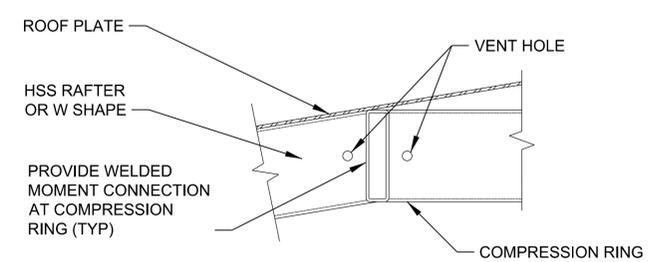


- NOTES:**
1. SLOPE OF ROOF SHALL BE CONSISTENT AND CONTINUOUS. TANK ROOF SHALL BE DESIGNED WITH A ROOF SLOPE OF 1 1/2 INCHES IN 12 INCHES. SLOPE OF FINISHED TANK ROOF PLATE SHALL BE PUDDLE TESTED AS SPECIFIED. PUDDLES OF WATER DEEPER THAN 3/16 INCH ANYWHERE ON THE TANK ROOF PLATES SHALL NOT BE ACCEPTED.
 2. NUMBER OF RAFTERS AT COMPRESSION RING 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.



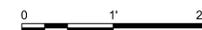
SECTION 2

SCALE: 3/4"=1'-0" D.05 | D.05



RAFTER-COMPRESSION RING CONNECTION 3

SCALE: 1"=1'-0"



DATE	
DESCRIPTION	
SWR	



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
 5,000 THROUGH 50,000 BBL TANKS ROOF FRAMING PLAN

SCALE:	AS NOTED
PROJECT NO.:	XXXXX
CONSTR. CONTR. NO.:	XXXXX
NAVFAC DRAWING NO.:	XXXXX
SHEET	49 OF 57

D.05