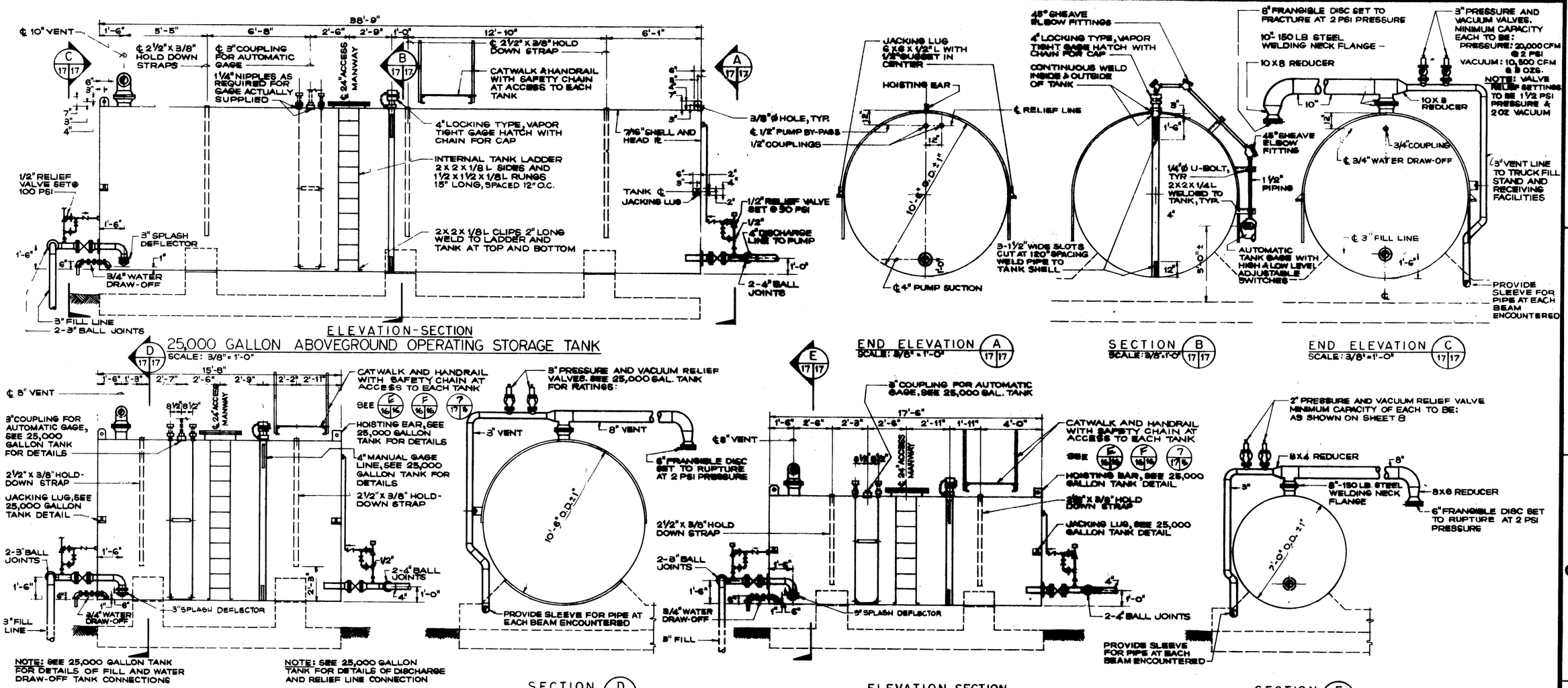


ELEVATION-SECTION
25,000 GALLON ABOVEGROUND OPERATING STORAGE TANK
SCALE: 3/8" = 1'-0"

END ELEVATION (A) 17/17 SCALE: 3/8" = 1'-0"

SECTION (B) 17/17 SCALE: 3/8" = 1'-0"

END ELEVATION (C) 17/17 SCALE: 3/8" = 1'-0"

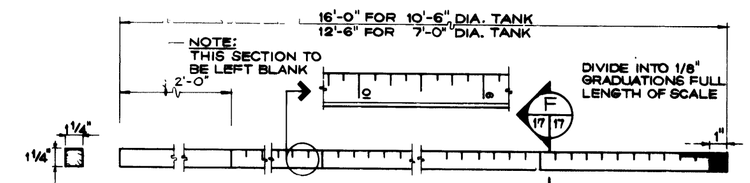
ELEVATION-SECTION
10,000 GALLON ABOVEGROUND OPERATING STORAGE TANK
SCALE: 3/8" = 1'-0"

SECTION (D) 17/17 SCALE: 3/8" = 1'-0"

ELEVATION-SECTION
5,000 GALLON ABOVEGROUND OPERATING STORAGE TANK
SCALE: 3/8" = 1'-0"

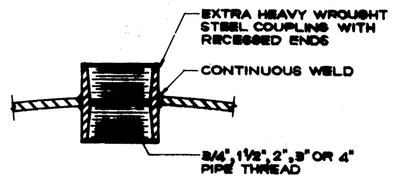
SECTION (E) 17/17 SCALE: 3/8" = 1'-0"

GENERAL NOTES:
1. - TANK END ELEVATIONS AND SECTIONS SHOW TYPICAL DETAILS APPLICABLE TO ALL TANKS.
2. - ABOVEGROUND STEEL TANKS ARE SIMILAR TO BURIED STEEL TANKS EXCEPT FOR DIFFERENCE IN NOZZLES AND CONNECTION DETAILS.

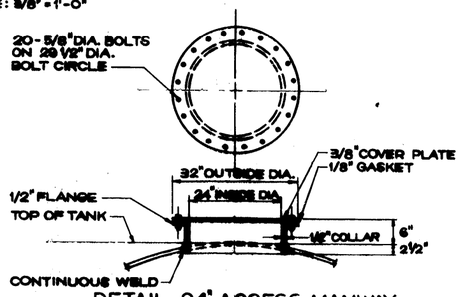


SECTION (F) 17/17

DETAIL OF STICK GAGE
SCALE: 3" = 1'-0"



DETAIL OF PIPE COUPLING
SCALE: 3" = 1'-0"



DETAIL 24" ACCESS MANWAY
SCALE: 3/4" = 1'-0"

MANUFACTURING NOTES:
1. SHELL AND HEAD PLATE THICKNESS SHALL BE AS FOLLOWS: 7/16" MINIMUM FOR 25,000 AND 10,000 GAL. TANKS, 5/16" FOR 5,000 GAL. TANKS, 3/16" FOR 550 GAL. TANKS.
2. HEADS SHALL BE FLANGED AND ALL SEAM BUTT WELDED.
3. COUPLINGS SHALL BE EXTRA-HEAVY WROUGHT STEEL WITH RECESSED ENDS, INSTALLED PLUMB ON LONGITUDINAL CENTER LINE OF TANK, CONTINUOUS WELD INSIDE AND OUTSIDE.
4. NOZZLES SHALL BE INSTALLED PLUMB ON LONGITUDINAL CENTER LINE OF TANK, CONTINUOUS WELD INSIDE AND OUTSIDE. FLANGES FOR NOZZLE EXTENSIONS SHALL BE 150 #
5. NO INTERNAL BRACING WILL BE USED. EXTERNAL BRACING FOR HEAD PLATES WILL BE PERMITTED.
6. EACH TANK SHALL BE SHOP TESTED UNDER A TEST PRESSURE OF NOT LESS THAN 5 POUNDS PER SQUARE INCH AIR PRESSURE. OPEN END NOZZLES MAYBE INSTALLED AFTER THE TEST.
7. SHOP CLEANING AND SURFACE PREPARATION SHALL BE AS SPECIFIED.
8. PROVIDE METAL THREAD PROTECTORS OR CAPS FOR ALL OPENINGS TO PREVENT DAMAGE DURING SHIPPING.

INSTALLATION NOTES:
1. HOISTING EARS AND JACKING LUGS SHALL BE USED FOR UNLOADING TANKS FROM CARS AND LOWERING AND ALIGNING ON SLABS. TANKS SHALL NOT BE SKIDDED OR ROLLED.
2. ALL NOZZLE EXTENSIONS SHALL BE INSTALLED BY BUTT WELDING AND SHALL BE PLUMB WITH FLANGES PERFECTLY LEVEL. BOLT HOLES SHALL STRADDLE THE LONGITUDINAL CENTER LINE OF TANK.
3. TANKS SHALL BE FIELD TESTED AND PAINTED AS SPECIFIED.
4. TANKS SHALL BE LEVEL END TO END AFTER INSTALLATION AND BEFORE CALIBRATION.

GRAPHIC SCALE 3" = 1'-0"
GRAPHIC SCALE 1½" = 1'
GRAPHIC SCALE ¾" = 1'-0"

SYM.	REVISIONS	DATE	APPROVED

KELLER & BANNON
ENGINEERS • ARCHITECTS • CONSULTANTS
100 BRODERICK STREET, SAN FRANCISCO 94115

US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

STANDARD AIRCRAFT FUELING SYSTEM FOR ARMY AVIATION

ABOVEGROUND STEEL TANKS
TANK DETAILS

SHEET REF. NO.

DESIG. BY CPE | CHKD. BY TMR | SPEC. NO. | DATE 8/15/73 | FILE NO. | SIZE F | DWG. NO. 78-24-20 | REV. | SHEET 17 OF 25