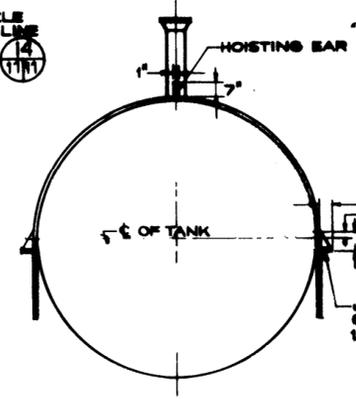
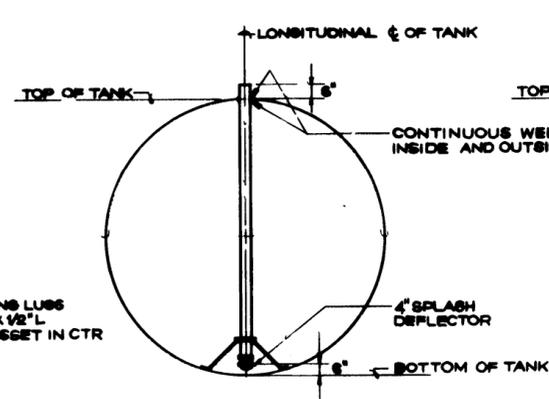


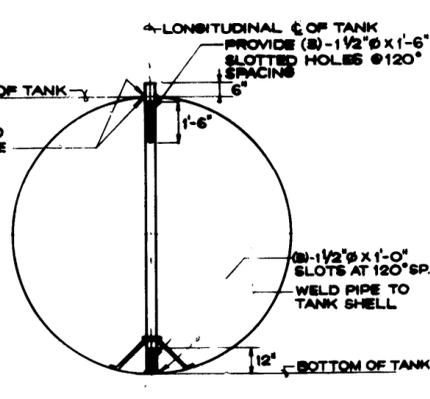
ELEVATION-SECTION
25,000 GAL. OPERATING STORAGE TANK
SCALE: 3/8" = 1'-0"



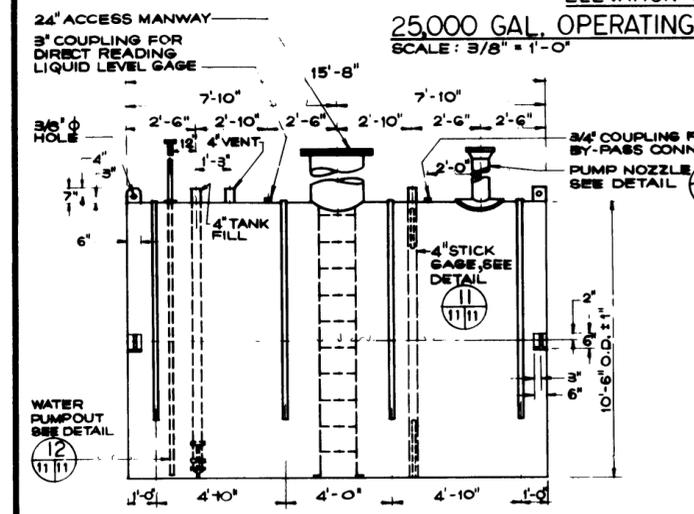
END VIEW
SCALE: 3/8" = 1'-0"



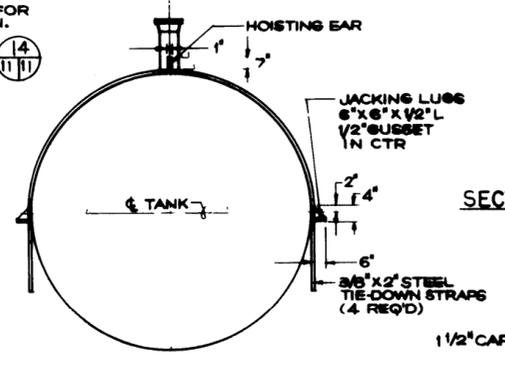
4" FILL STEM - DETAIL (9)
SCALE: 3/8" = 1'-0"



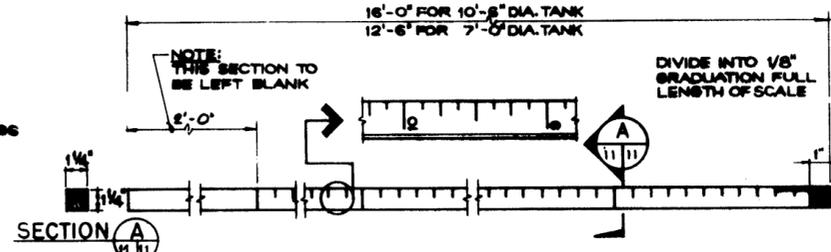
4" STICK CAGE & CLEANOUT STEMS-DETAIL (10)
SCALE: 3/8" = 1'-0"



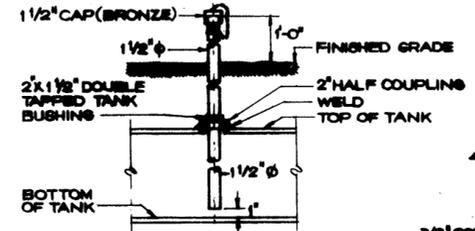
ELEVATION
10,000 GAL. OPERATING STORAGE TANK
SCALE: 3/8" = 1'-0"



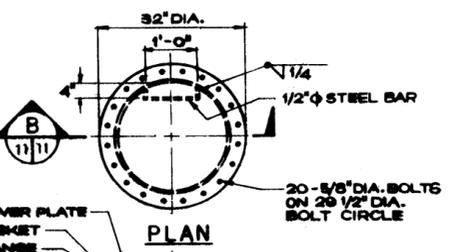
END VIEW
SCALE: 3/8" = 1'-0"



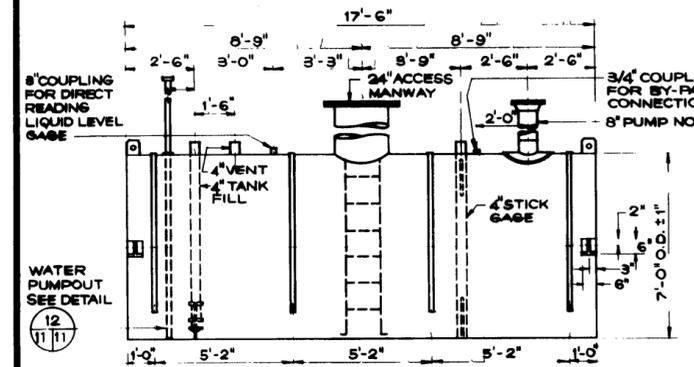
STICK GAGE-DETAIL (11)
SCALE: 5" = 1'-0"



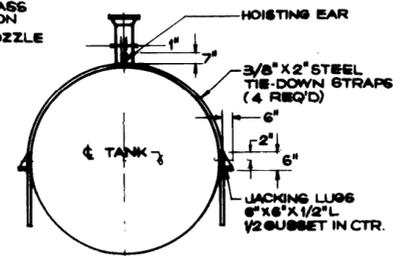
WATER PUMPOUT-DETAIL (12)
SCALE: 1/8" = 1'-0"



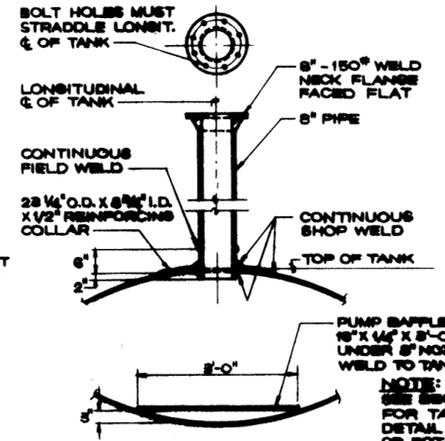
ACCESS MANHOLE-DETAIL (15)
SCALE: 3/4" = 1'-0"



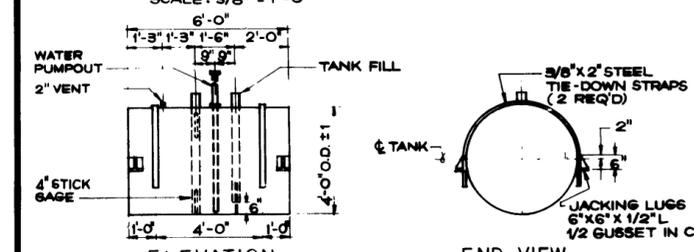
ELEVATION
5,000 GAL. OPERATING STORAGE TANK
SCALE: 3/8" = 1'-0"



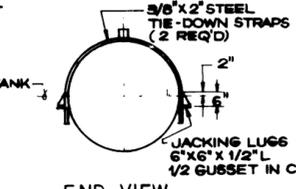
END VIEW
SCALE: 3/8" = 1'-0"



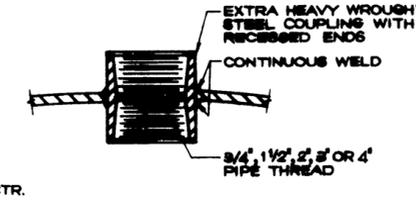
8" NOZZLE FOR VERTICAL TURBINE PUMP-DETAIL (14)
SCALE: 3/8" = 1'-0"



ELEVATION
550 GAL. COLLECTION TANK
SCALE: 3/8" = 1'-0"



END VIEW
SCALE: 3/8" = 1'-0"



TANK PIPE COUPLING-DETAIL (13)
SCALE: 3" = 1'-0"

- MANUFACTURING NOTES:**
- SHELL AND 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.
 - HEADS SHALL BE FLANGED AND ALL SEAM BUTT-WELDED.
 - COUPLINGS SHALL BE EXTRA-HEAVY WROUGHT STEEL WITH RECESSED ENDS, INSTALLED PLUMB ON LONGITUDINAL CENTER LINE OF TANK, CONTINUOUS WELD INSIDE AND OUTSIDE.
 - NOZZLES SHALL BE INSTALLED PLUMB ON LONGITUDINAL CENTER LINE OF TANK, CONTINUOUS WELD INSIDE AND OUTSIDE. FLANGES FOR NOZZLE EXTENSIONS SHALL BE 180° STEEL. FLANGE NOZZLE EXTENSIONS SHALL BE SHIPPED LOOSE FOR FIELD INSTALLATION.
 - NO INTERNAL BRACING WILL BE USED. EXTERNAL BRACING FOR HEAD PLATES WILL BE PERMITTED.
 - EACH TANK SHALL BE SHOP TESTED UNDER A TEST PRESSURE OF NOT LESS THAN 5 POUNDS PER SQUARE INCH AIR PRESSURE. OPEN END NOZZLES MAY BE INSTALLED AFTER THE TEST.
 - SHOP CLEANING AND SURFACE PREPARATION SHALL BE AS SPECIFIED.
 - PROVIDE METAL THREAD PROTECTORS OR CAPS FOR ALL OPENINGS TO PREVENT DAMAGE DURING SHIPPING.

- INSTALLATION NOTES:**
- HOISTING BARS AND JACKING LUGS SHALL BE USED FOR UNLOADING TANKS FROM CARS AND LOWERING AND ALIGNING ON SLAB. TANK SHALL NOT BE SKIDDED OR ROLLED.
 - ALL NOZZLES EXTENSIONS SHALL BE INSTALLED BY BUTT WELDING AND SHALL BE PLUMB WITH FLANGES PERFECTLY LEVEL. BOLT HOLES SHALL STRADDLE THE LONGITUDINAL CENTER LINE OF THE TANK.
 - TANKS SHALL BE FIELD TESTED AND PAINTED AS SPECIFIED. TIE DOWN STRAPS SHALL BE CLEANED AND COATED AS SPECIFIED FOR TANKS.
 - TANKS SHALL BE LEVEL END TO END AFTER INSTALLATION AND BEFORE CALIBRATION AS SPECIFIED.
 - FOR DETAIL OF TANK TIE-DOWN STRAP TO ANCHOR, SEE DETAIL (8).

NO.	REVISIONS	DATE	APPROVED

KELLER & GANNON ENGINEERS - ARCHITECTS - CONSULTANTS 200 SOUTH GUYTON, SAN FRANCISCO 94104		US ARMY ENGINEER DIVISION HUNTSVILLE CORPS OF ENGINEERS HUNTSVILLE, ALABAMA	
STANDARD AIRCRAFT FUELING SYSTEM FOR ARMY AVIATION		UNDERGROUND STEEL TANKS DETAIL	
DRY REF. NO.	FILE NO.	SIZE	DATE