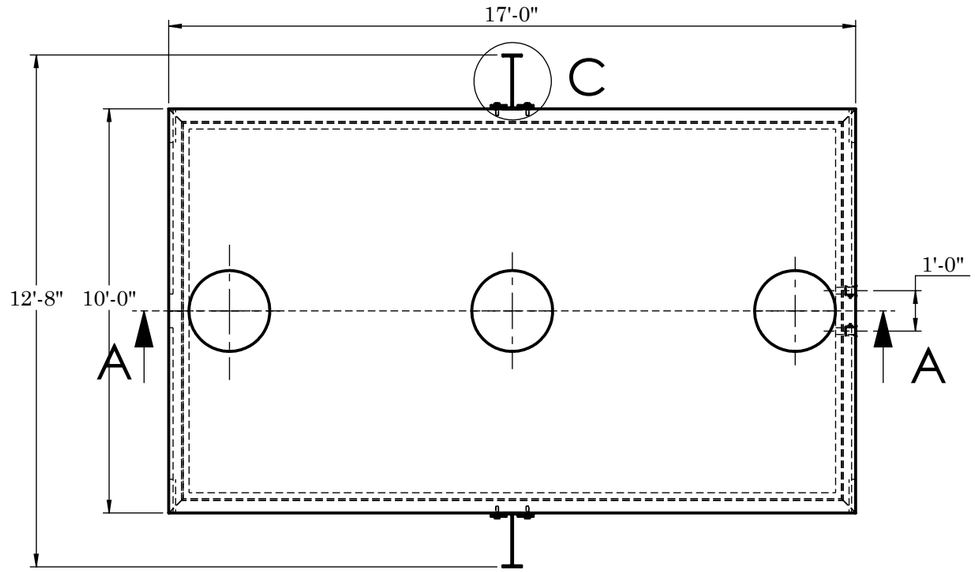
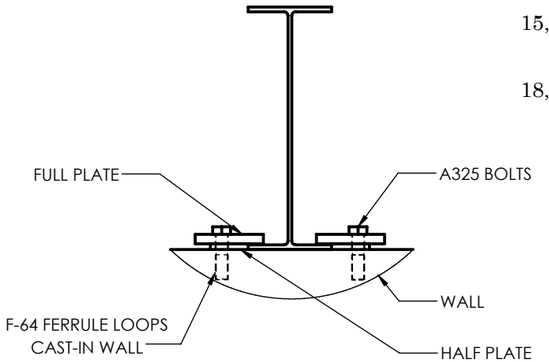
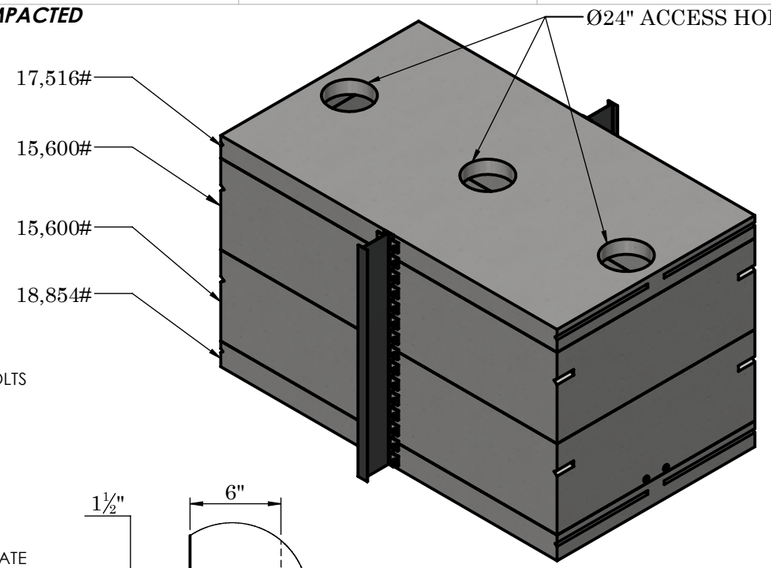
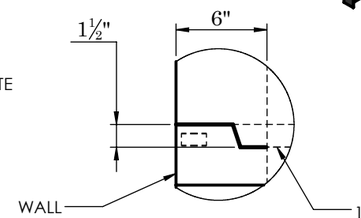
WARRANTY: ALL TANKS MUST BE BACKFILLED AND COMPACTED PRIOR TO FILLING OR WARRANTY IS VOID.

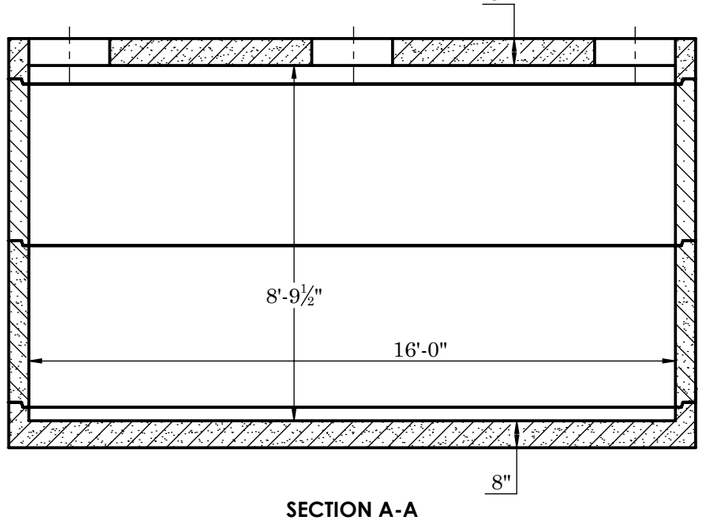




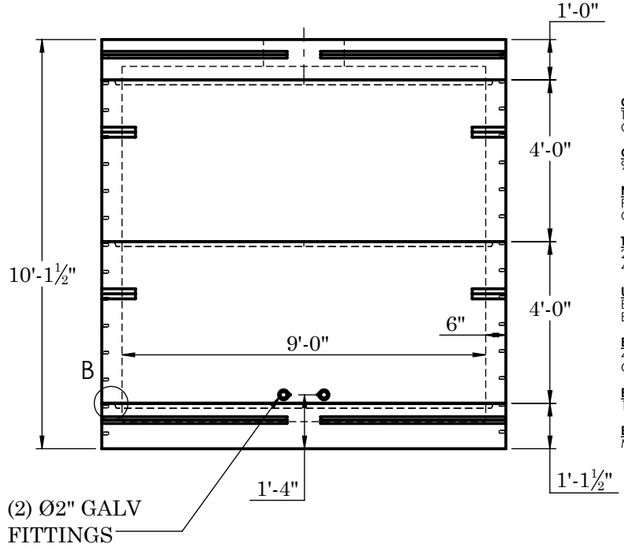
W16x26 STL BEAM
DETAIL C







SECTION A-A



SHIPLAP JOINT DETAIL B

CONCRETE:
TANK CONSTRUCTION UTILIZES 6000 PSI CONCRETE AND GRADE 60 REBAR

GALLON CALCULATIONS:
9'-0"W x 16'-0"L x 8'-9"H x 7.48 = 9,424 GAL

NON-TRAFFIC RISERS:
PVC: 24"Ø & FIB. COVER (TO GRADE)
CONCRETE: 24"Ø x 8" OR 12" (6" BELOW GRADE)

TRAFFIC RISERS/COVERS:
24"Ø GRADE RINGS (2",3",4",5",6",13")
4" x 24"Ø CAST-IRON GASKETED BOLT-DOWN

UPLIFT RINGS:
BURY DEPTH WITH WATER AT GRADE ~ 4'
BURY DEPTH WITH WATER AT TOP OF TANK ~ 2'

BEDDING:
4" PEA GRAVEL OR COMPACTED CRUSHED GRAVEL (NO WATER PRESENT)

EXCAVATION:
12" LARGER EACH WAY THAN TANK DIMENSION

BURY:
MAXIMUM BURY DEPTH 5'-0"

NOTES:
1. 1077 GALLONS/VERTICAL FOOT CAPACITY
2. ON-SITE CRANE SUPPLIED BY CONTRACTOR (20,000# PICK TO CENTER OF EXCAVATION)
3. WIDE FLANGE INSTALLED BY CONTRACTOR.
4. WIDE FLANGE NOT REQUIRED IN DOUBLE COMPARTMENT ONLY TANKS IF:
   a. TANK IS 0'-0" BELOW GRADE. IN NON-TRAFFIC AREA AND NO GROUNDWATER IS PRESENT.
   b. TANK IS 5'-0" BELOW GRADE. IN NON-TRAFFIC AREA AND NO GROUNDWATER IS PRESENT.
   C. TANK IS 0'-0" BELOW GRADE. IN TRAFFIC AREA AND NO GROUNDWATER IS PRESENT.
   d. TANK IS 0'-0" BELOW GRADE. IN NON-TRAFFIC AREA AND GROUNDWATER IS AT GRADE MAX.
5. IF TANK IS LOCATED IN TRAFFIC AREA WITH 5'-0" BURY AND WATER @ GRADE (3) W16 BEAMS EACH LONG SIDE AND (1) W16 BEAM EACH SHORT SIDE AND #6 @ 5" O.C. HORIZONTAL IN THE WALLS IS REQUIERED.
6. PLATE & BOLT SPACING @ EVERY 8".

NOTES:
REINFORCEMENT:
WALLS:
-#6 @ 6" O.C. HORIZONTAL
-#4 @ 10" O.C. VERTICAL
TOP & BOTTOM
-#6 @ 6" O.C. SHORT DIRECTION
#5 @ 12" O.C. LONG DIRECTION, (2) #5 BAR
LONG SIDE OF ACCESS, (2) #6 BAR SHORT SIDE

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SPOKANE - LEWISTON - YAKIMA
www.wilbertprecast.com

DRAWN BY: TH

TITLE: 9200 GALLON SINGLE COMPARTMENT WATER TANK TRAFFIC BEARING

SIZE	DWG. NO.	SCALE:	DATE:
B	916-8W	NTS	7/11/2025