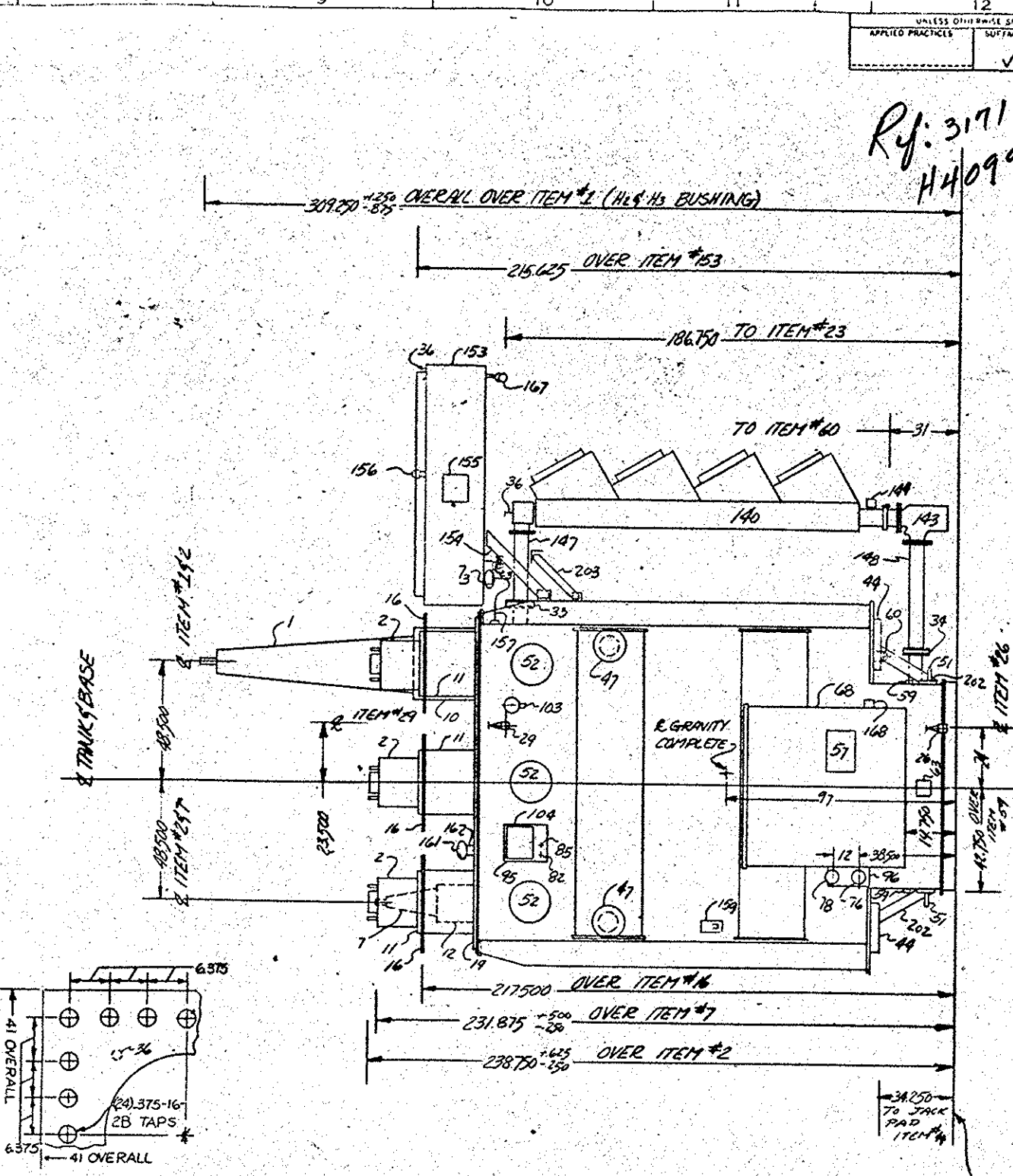
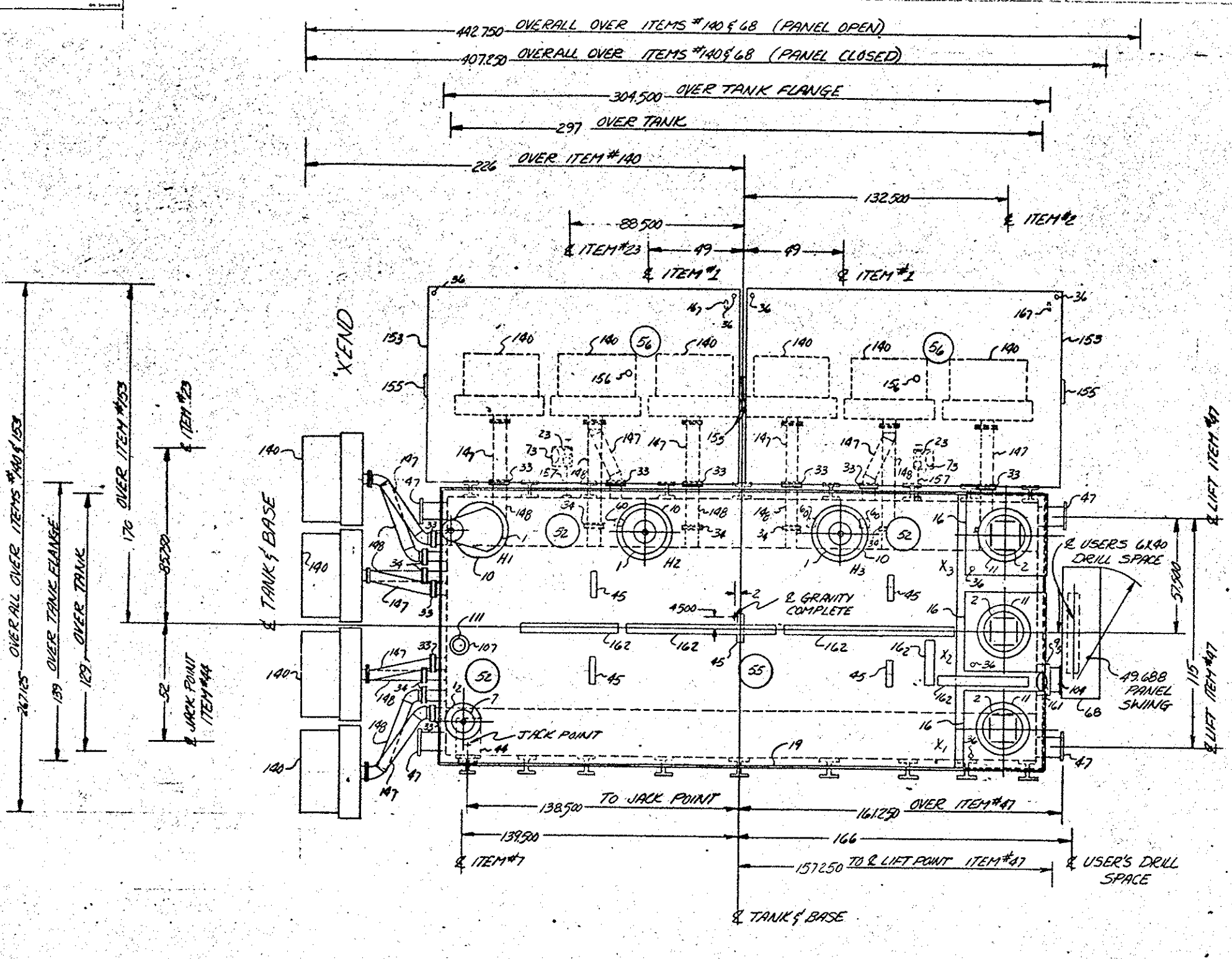
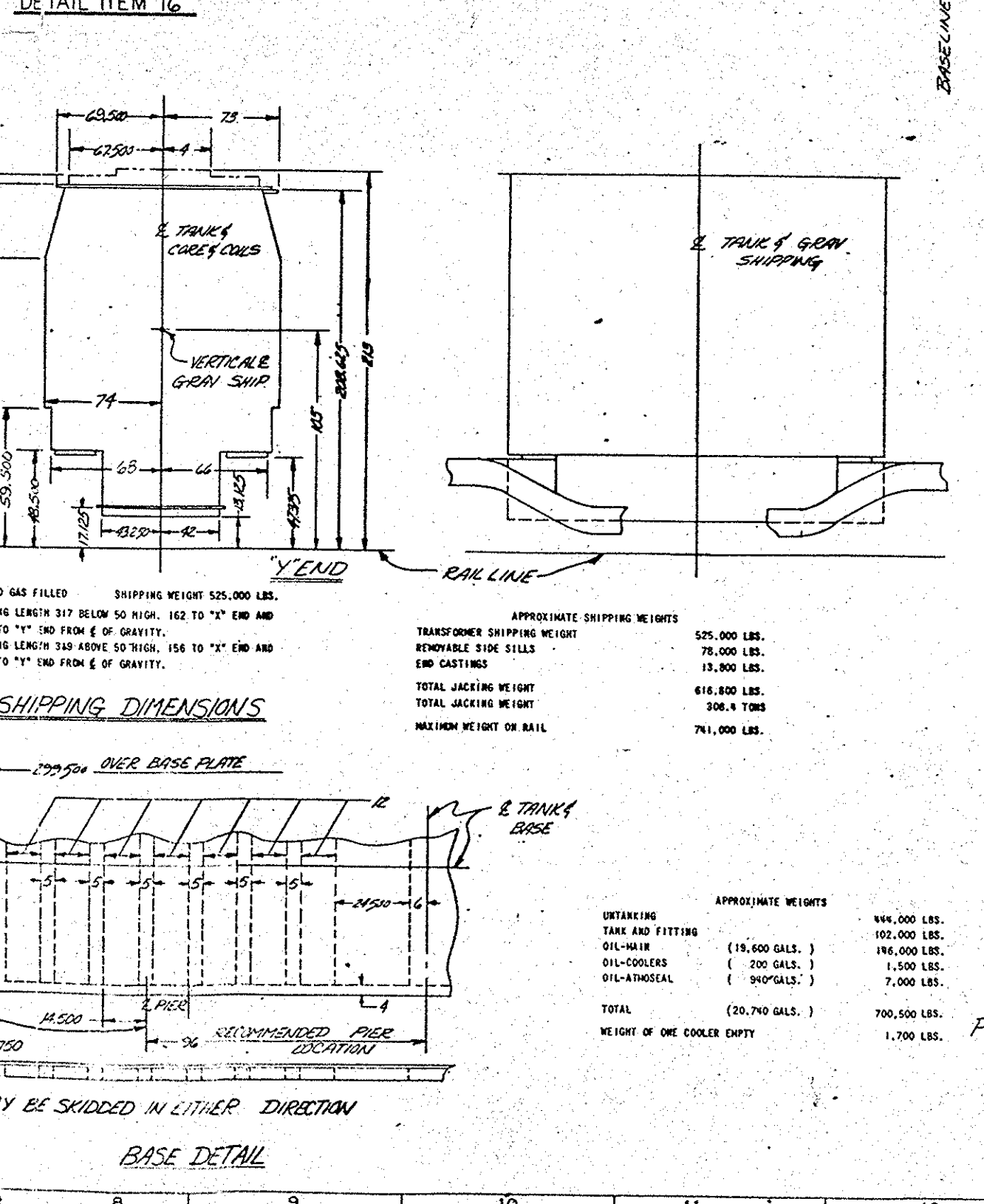
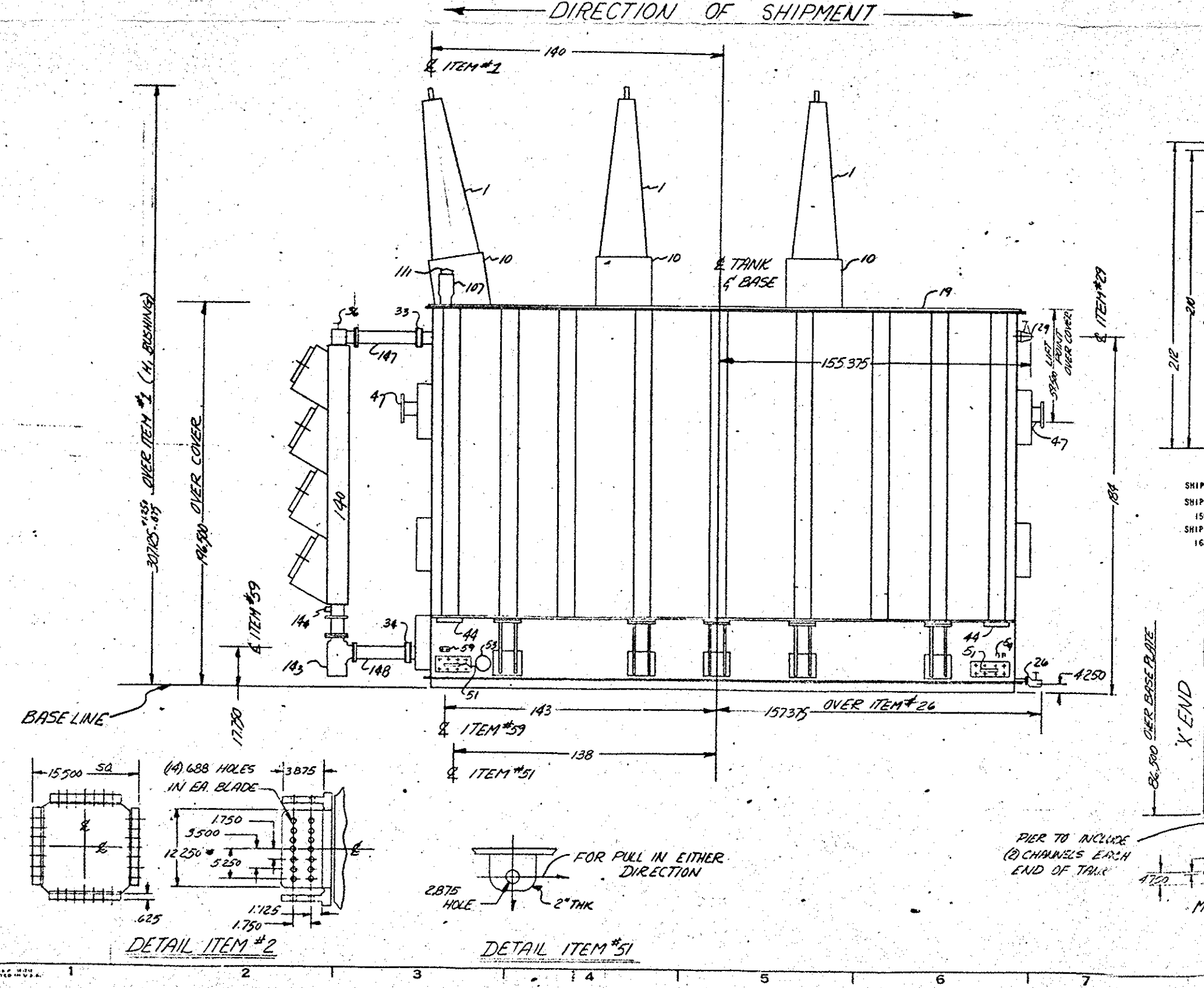
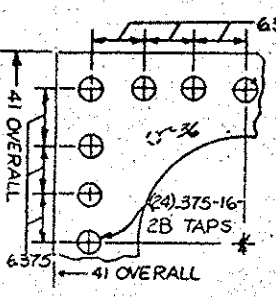




- ITEM NO. QUANTITY**
- 1 X BUSHING FOR "H" MOG CAT. 1180000B WITH 2-12 STUD 2.625 THREADED LENGTH BUSHING OUTLINE 3943133 (196 KY 2000 AMP, TYPE "U" BUSHING)
 - 2 X BUSHING FOR "X" MOG CAT. 1897388 (SEE DETAIL). BUSHING OUTLINE 39418978 (23 KY 16,000 AMP, TYPE "A" BUSHING)
 - 7 X NEUTRAL BUSHING FOR "H" MOG CAT. 785500B WITH 2-12 STUD 2.875 THREADED LENGTH. BUSHING OUTLINE 39438714 (23 KY 2000 AMP, TYPE "U" BUSHING)
 - 10 X BUSHING ADAPTER (REMOVABLE) WITH .125" AIR VENT FOR ITEM #1
 - 11 X BUSHING ADAPTER (REMOVABLE) WITH .125" AIR VENT FOR ITEM #2
 - 12 X BUSHING ADAPTER (REMOVABLE) WITH .125" AIR VENT FOR ITEM #7
 - 16 X BUS DUCT FLANGE (SEE DETAIL)
 - 19 X COVER - WELDED
 - 23 X VALVE DRAIN 1" GLOBE WPT FEMALE FOR EXPANSION TANK
 - 26 X VALVE COMPLETE DRAIN AND OUTLET FOR FILTER PRESS CONNECTION 2" GLOBE VALVE WPT FEMALE WITH .375" SAMPLING VALVE
 - 29 X VALVE - FILTER PRESS CONNECTION (TOP) 1" GLOBE VALVE WPT FEMALE
 - 33 X VALVE SHUT-OFF FOR ITEM #10 TO TANK
 - 34 X VALVE SHUT-OFF FOR ITEM #10 TO TANK
 - 36 X VENT VALVE (.125")
 - 44 X JACK PAD (12 X 21) AREA
 - 45 X LIFTING BAR FOR LIFTING COVER (2" HOLE)
 - 47 X LIFTING CAPSULE (10" DIA) FOR LIFTING COMPLETELY FILLED TRANSFORMER (FOR VERTICAL LIFT ONLY)
 - 51 X PULLING EYE (REMOVABLE) (2.875" HOLE) (SEE DETAIL)
 - 52 X HANDBOLE (18" OPENING)
 - 53 X HANDBOLE (7" OPENING)
 - 55 X HANDBOLE (18" OPENING) ACCESS TO CORE GROUND
 - 56 X ACCESS OPENING FOR AIR CELL (16" OPENING)
 - 57 X NAMEPLATE 46.500" FROM BASE LINE TO E OF NAMEPLATE
 - 59 X GROUND BLOCK WITH (2) .500-13 TAPS .625 DEEP 1.750 BETWEEN CENTERS IN A 2 X 4 COPPER MOUNTING SURFACE
 - 60 X TAP CHANGER MECHANISM FOR "H" MOG FOR DE-ENERGIZED OPERATION
 - 63 X INSPECTION PORT FOR BUMPER PINS, TAP CHANGER UNIT
 - 68 X CONTROL HOUSING (23.250 X 71 X 68) WITH 6 X 90 DRILL SPACE FOR USER'S CONDUIT
 - 73 X MAGNETIC LIQUID LEVEL GAGE WITH LOW LEVEL ALARM (250 VOLTS MAX) TYPE AL
 - 76 X TOP LIQUID TEMPERATURE INDICATOR WITH ALARM CONTACTS (250 VOLTS MAX) TYPE AL
 - 78 X INDICATING THERMAL RELAY WITH ALARM CONTACTS (250 VOLTS MAX) TYPE ALP USED WITH C.T. "A"
 - 82 X SEALED WELL FOR BULB OF TOP LIQUID TEMPERATURE INDICATOR TYPE AL
 - 85 X SEALED WELL FOR INDICATING THERMAL RELAY TYPE ALP USED WITH C.T. "A"
 - 95 X THERMAL DEVICE WELL HOUSING
 - 96 X THERMAL DEVICE SUPPORT
 - 103 X OUTLET HOUSING FOR CURRENT TRANSFORMER LEADS
 - 104 X OUTLET HOUSING FOR CURRENT TRANSFORMER LEADS AND THERMAL RESISTORS
 - 107 X PRESSURE RELIEF ADAPTER (REMOVABLE) WITH .125" AIR VENT
 - 111 X MECHANICAL PRESSURE RELIEF (REMOVABLE) WITH ALARM TARGET AND CONTACTS (250 VOLTS MAX)
 - 140 X HEAT EXCHANGER WITH (4) 460 VOLT THREE PHASE FANS
 - 143 X PUMP (5 HP 460 VOLT THREE PHASE)
 - 144 X LIQUID FLOW GAGE FOR ITEM #143 WITH ALARM CONTACTS (250 VOLTS MAX)
 - 147 X PIPE CONNECTING COOLERS TO TANK
 - 148 X PIPE CONNECTING PUMP TO MANIFOLD
 - 153 X EXPANSION TANK (32 X 101.500 X 158) REMOVABLE
 - 154 X SUPPORT FOR EXPANSION TANK
 - 155 X HANDBOLE FOR EXPANSION TANK
 - 156 X BREATHER FOR EXPANSION TANK
 - 157 X COUPLING (REMOVABLE) FOR CONNECTING EXPANSION TANK TO TANK, WITH SHUT-OFF VALVE ON TANK
 - 159 X FAULT PRESSURE RELAY TYPE "J" WITH ALARM CONTACTS (250 VOLTS MAX) AND SHUT-OFF VALVE ON TANK
 - 161 X GAS DETECTOR RELAY WITH ALARM CONTACTS (250 VOLTS MAX)
 - 162 X TUBE GUARD AND TUBING ASSEMBLY FOR ITEM #161
 - 167 X PRESSURE VACUUM BLEEDER DEVICE
 - 168 X GAS SAMPLING VALVE FOR ITEM #161
 - 202 X SUPPORT FOR LIFTING TRANSFORMER COMPLETE WITH OIL
 - 203 X SUPPORT FOR COOLERS



- NOTES:**
- ALL DIMENSIONS IN ELEVATION VIEW ARE TO BASE LINE UNLESS OTHERWISE SPECIFIED.
 - TANK DESIGNED FOR FULL VACUUM.
 - PRESSURE RELIEF SHIPPING COVER HAS .375 WPT FOR PRESSURE TEST. 2" WPT FOR VACUUM FILLING AND 1" WPT FOR OIL FILLING.
 - CRANE LIFT FOR CORE AND COILS (MAIN UNIT): (4) LIFTING BARS WITH 4" DIA HOLES ON 19.500 X 149 CENTERLINES 6.500 BELOW A 183.500 HIGH INTERNAL UNIT. CRANE HOOK TO BASE LINE 527 MINIMUM. DEPENDENT ON LENGTH OF SLING. LENGTH OF SLING MUST BE SUCH THAT THE VERTICAL HEIGHT (CRANE HOOK TO LIFTING BAR) EXCEEDS 149.
 - TRANSFORMER TO BE SHIPPED ON SPECIAL HEAVY DUTY SHIPPING CAR WITH REMOVABLE SIDE RAILS. FOR UNLOADING PROCEDURE SEE INSTRUCTION BOOK GER-4500A AND SHIPPING SKETCH ON THIS DRAWING.
 - TRANSFORMER TO BE PAINTED LIGHT GREY IN COLOR.
- SHIPPING DIMENSIONS**
- SHIPPED GAS FILLED SHIPPING WEIGHT 525,000 LBS.
 SHIPPING LENGTH 317 BELOW 50 HIGH. 162 TO "X" END AND 155 TO "Y" END FROM E OF GRAVITY.
 SHIPPING LENGTH 349 ABOVE 50 HIGH. 156 TO "X" END AND 168 TO "Y" END FROM E OF GRAVITY.
- APPROXIMATE SHIPPING WEIGHTS**
- | | |
|-----------------------------|--------------|
| TRANSFORMER SHIPPING WEIGHT | 525,000 LBS. |
| REMOVABLE SIDE SILLS | 78,000 LBS. |
| END CASTINGS | 13,800 LBS. |
| TOTAL JACKING WEIGHT | 616,800 LBS. |
| TOTAL JACKING WEIGHT | 308.4 TONS |
| MAXIMUM WEIGHT ON RAIL | 741,000 LBS. |
- UNTANKING**
- | | |
|----------------------------|--------------|
| TANK AND FITTING | 944,000 LBS. |
| OIL-MAIN (19,600 GALS.) | 102,000 LBS. |
| OIL-COOLERS (200 GALS.) | 186,000 LBS. |
| OIL-ATMOSFER (940 GALS.) | 1,500 LBS. |
| TOTAL (20,740 GALS.) | 700,500 LBS. |
| WEIGHT OF ONE COOLER EMPTY | 1,700 LBS. |
- DETAIL ITEM #2**
- DETAIL ITEM #51
- BASE DETAIL**
- MAY BE SKIDDED IN EITHER DIRECTION

Ry: 3171
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