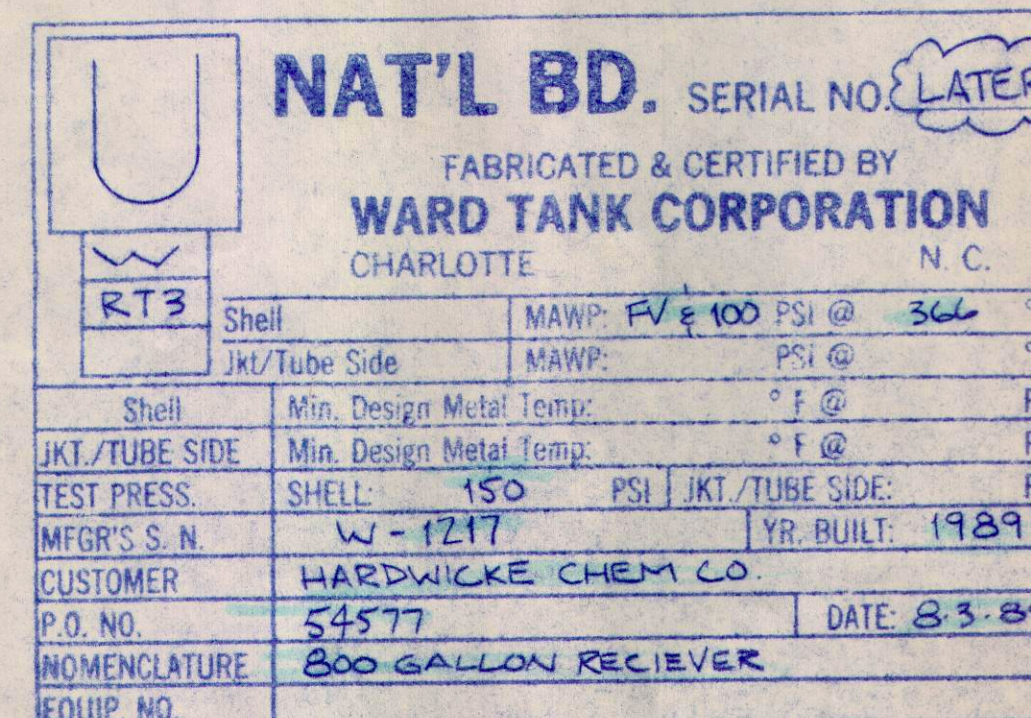
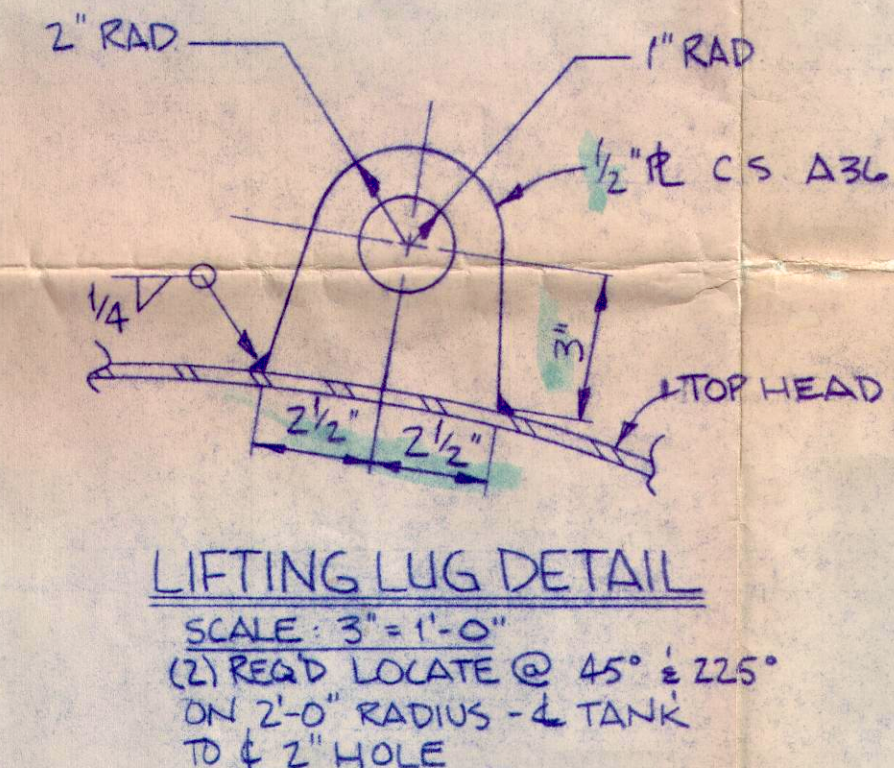
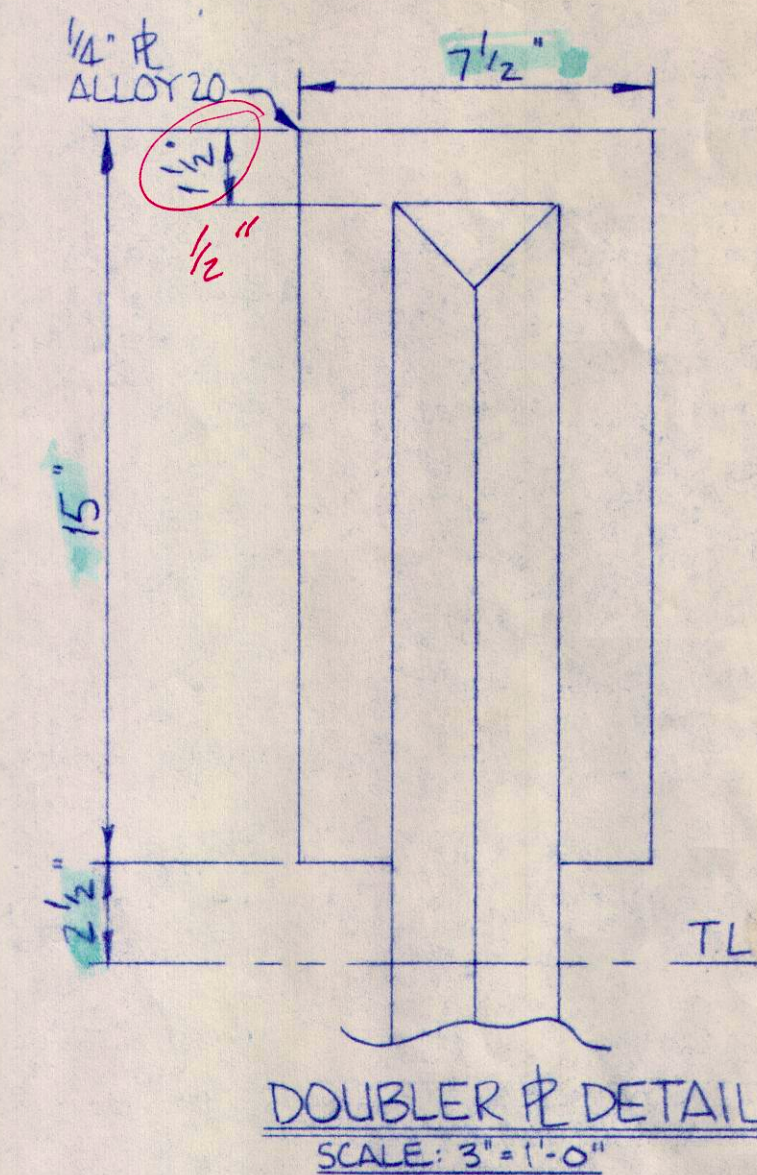


[illegible]

DESIGN CONDITIONS:

SHELL: FV & 100 Psig @ 360 °F

COIL: _____ Psig @ _____ °F

JACKET/TUBE SIDE: _____ Psig @ _____ °F

HYDROSTATIC TEST:

SHELL: 150 _____ Psig

COIL: _____ Psig

JACKET/TUBE SIDE: _____ Psig

SPECIFIED CORROSION ALLOWANCE: NONE

RADIOGRAPHY: SPOT STRESS RELIEF: NO

MAWP: FV & 100 Psig LIMITED BY: HEADS

CODE: ASME SECT VIII, DIV. 1, A.87 STAMP: YES

TYPE HEADS:

SHELL 3/8" NOM ASME F & D

JACKET/TUBE SIDE: _____

JOINT EFFICIENCY: SHELL: 85% HEADS: 100%

MATERIALS

SHELL: VESSEL: ALLOY 20 SB-463-20CB

JACKET/TUBE SIDE: _____

HEADS: VESSEL: ALLOY 20 SB-463-20CB

JACKET/TUBE SIDE: _____

TUBES: _____

TUBE SHEETS: _____

BAFFLES: _____

TIE RODS: _____

FLANGE SPEC.: F.S. SA-105

RATING: 150#

FACING: L-J

EXTERNAL PIPE SPEC.: ALLOY 20 SB-463-20CB

INTERNAL PIPE SPEC.: _____

CLADDING OR LINING SPEC.: _____

BOLTING: SA 193 B7 & SA 194-2H

GASKETS: 1/16" GARLOCK 3200

SUPPORTS: A36 C.S W/ ALLOY 20 DOUBLER PL

INSULATION: NONE

PAINTING: C.S PARTS: ONE S/C CARBOLINE CARBOMASTIC 15
ALLOY PARTS: SANDBLAST ENTIRE EXTERIOR
SANDBLAST INTERIOR WELDS ONLY

NOTES

1. ELEVATIONS MEASURED FROM BASE LINE.
2. ORIENTATION MEASURED CLOCKWISE FROM 0°
3. PROJECT MEASURED FROM (CENTERLINE) (OUTSIDE) OF VESSEL TO EXTREME FACE OF FLANGE
4. NOZZLE BOLT HOLES TO STRADDLE 0°-180° CENTERLINE OR ITS PARALLEL UNLESS NOTED OTHERWISE
5. COVER ALL FLANGES, OPENINGS AND MACHINED SURFACES PRIOR TO SHIPMENT UNLESS NOTED OTHERWISE

*6 **WELDING PROCEDURES:**

- #2 SMAW ALLOY 20 TO ALLOY 20
- #10 SMAW ALLOY 20 TO C.S.
- #17 GTAW ALLOY 20 TO ALLOY 20

7. BUILT IN ACCORDANCE WITH ETHYL SPEC # SP-11-1

CERTIFIED PRINT
WARD TANK CORPORATION
By: *Tim Galt*
Date: OCT 02 1989

WARD TANK CORPORATION CHARLOTTE NORTH CAROLINA			
CUSTOMER		PURCHASE ORDER NUMBER	
HARDWICKE CHEM CO.		54577	
TITLE			
800 GALLON RECIEVER			
EQUIPMENT NO.		NO. REC'D. (ONE) 1	
SCALE	DATE	DRAWING NUMBER	REV NO.
AS NOTED	8/3/89	89-W-1217	5
DRAWN BY		SHEET 1 OF	
JEW			