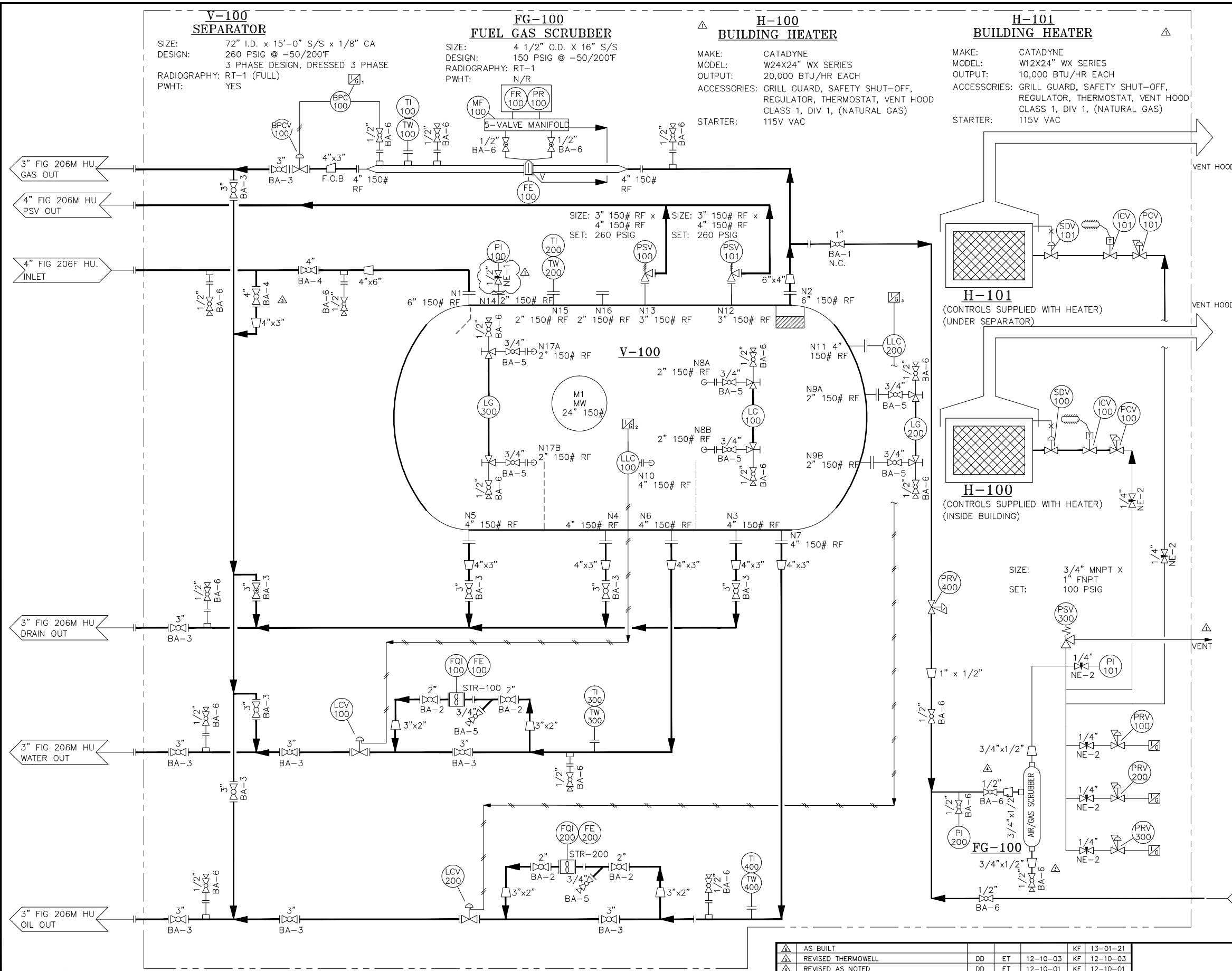




| BILL OF MATERIAL                     |     |                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TAG                                  | QTY | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                           |
| BPCV-100<br>BPC-100                  | 1   | 3" 150# RF, FISHER, 657-45 ET PRESSURE CONTROL VALVE, 3-7/16" FULL PORT c/w 657 FISHER ACTUATOR, FAIL OPEN, C1 FISHER PRESSURE CONTROLLER 0-300psi, NACE, LOW TEMP.                                                                                                                                                                                                                                   |
| LCV-100<br>LCV-200                   | 2   | 3" 150# RF FISHER 667-45-ET CONTROL VALVE, SIZE 45 ACTUATOR, FAIL CLOSED, 2" EQUAL % TRIM, NACE, LOW TEMP.                                                                                                                                                                                                                                                                                            |
| LLC-100/<br>200                      | 2   | 4" 150# RF, FISHER L2 LEVEL CONTROLLER c/w 12" PVC DISPLACER, SNAP ACTING, NACE                                                                                                                                                                                                                                                                                                                       |
| PRV-100/<br>200/300                  | 3   | 1 1/4" NPT FISHER 67CFR PRESSURE REGULATING VALVES, 0-35psi ADJUSTABLE SPRING RANGE, TAPPED BONNETS, SWEET                                                                                                                                                                                                                                                                                            |
| PSV-100<br>PSV-200                   | 2   | MERCER 9500 SERIES PILOT PRESSURE RELIEF VALVE, 3" 150# RF x 4" 150# RF, "J" ORIFICE SET @ 260psi, NACE SERVICE c/w INLET SUPPLY FILTER, LOW TEMP.                                                                                                                                                                                                                                                    |
| PSV-300                              | 1   | 1" x 1" NPY MERCER 8100 PRESSURE RELIEF VALVE, "E" ORIFICE, SET @ 150 PSIG, SWEET SERVICE                                                                                                                                                                                                                                                                                                             |
| LG-100/<br>200                       | 2   | DANIEL 92TL LEVEL GAUGES 26-3/4" VISIBLE GLASS c/w 1S NPT GAUGE VALVES, NACE, LOW TEMP.                                                                                                                                                                                                                                                                                                               |
| LG-300                               | 1   | DANIEL 75TL LEVEL GAUGES 57-1/4" VISIBLE GLASS c/w 1S NPT GAUGE VALVES, NACE, LOW TEMP.                                                                                                                                                                                                                                                                                                               |
| PI-100                               | 1   | WIKA PRESSURE GAUGE, 0-300psi, 4" DIAL, 1/2" BM, DUAL SCALE, LIQUID FILLED                                                                                                                                                                                                                                                                                                                            |
| FE/FQT-<br>100/200                   | 2   | 2"x2" NUFLO EZ-IN TURBINE FLOW METER c/w MC-11 FLOW ANALYZER, MAG PICKUP EXTENSION AND DUAL PORT. 150 ANSI, NACE                                                                                                                                                                                                                                                                                      |
| PI-101                               | 1   | WIKA PRESSURE GAUGE, 0-300psi, 4" DIAL, 1/2" BM, DUAL SCALE, LIQUID FILLED.                                                                                                                                                                                                                                                                                                                           |
| PRV-400                              | 1   | 1" NPT FISHER 627 REGULATOR c/w 1/4 PORT, 70-150psi SPRING, GOOD TO -40°F                                                                                                                                                                                                                                                                                                                             |
| PI-200                               | 1   | WIKA PRESSUER GAUGE, 0-160psi, 2.5" DIAL, 1/2" BM, DUAL SCALE, LIQUID FILLED.                                                                                                                                                                                                                                                                                                                         |
| TI/TW-200                            | 1   | TREND TEMPERATURE INDICATOR, 5" DIAL FACE c/w 1/2" x 3/4" THERMOWELL x 10" LONG STEM, ADJUSTABLE HEAD, DUAL SCALE, -50-200°F, 316SS                                                                                                                                                                                                                                                                   |
| TI/TW-100<br>TI/TW-300<br>TI/TW-400  | 3   | TREND TEMPERATURE INDICATOR, 5" DIAL FACE c/w 1/2" x 3/4" THERMOWELL x 6" LONG STEM, DUAL SCALE, -50-200°F, 316SS                                                                                                                                                                                                                                                                                     |
| BA-6                                 | 21  | 1/2" 3000# NPT, FP, BALON BALL VALVE, LOW TEMP. NACE.                                                                                                                                                                                                                                                                                                                                                 |
| BA-5                                 | 8   | 3/4" 3000# NPT, FP, BALON BALL VALVE, LOW TEMP. NACE                                                                                                                                                                                                                                                                                                                                                  |
| BA-4                                 | 2   | 4" 150# RF, FP, BALON BALL VALVE, LOW TEMP. NACE.                                                                                                                                                                                                                                                                                                                                                     |
| BA-3                                 | 15  | 3" 150# RF, FP, BALON BALL VALVE, LOW TEMP. NACE.                                                                                                                                                                                                                                                                                                                                                     |
| BA-2                                 | 4   | 2" 150# RF, FP, BALON BALL VALVE, LOW TEMP. NACE.                                                                                                                                                                                                                                                                                                                                                     |
| BA-1                                 | 1   | 1" 3000# NPT, FP, BALON BALL VALVE, LOW TEMP. NACE.                                                                                                                                                                                                                                                                                                                                                   |
| NE-1                                 | 1   | 1/2" 6000# NPT ANDERSON GREENWOOD NEEDLE VALVE, NACE                                                                                                                                                                                                                                                                                                                                                  |
| NE-2                                 | 6   | 1/4" 6000# NPT ANDERSON GREENWOOD NEEDLE VALVE, NACE                                                                                                                                                                                                                                                                                                                                                  |
| STR-100                              | 2   | 2" 150# RF Y-STRAINERS, ALTA STRAINER, NACE, LOW TEMP.                                                                                                                                                                                                                                                                                                                                                |
| FE-100<br>MF-100<br>FR-100<br>PR-100 |     | 4" 150 RF SCH. 80 DANIEL SENIOR METER RUN. c/w CPA 50 E FLOW CONDITIONER 3 @ 1 1/2" 150# RF DOWNSTREAM, 100% X-RAY, PWHT, B7M, 2HM BOLTING, ALL INTERNAL PARTS 316SS, SS FLEX GASKET, 316SS ORIFICE PLATES, ALL PACKING TEFLON, c/w 18 EXTRA ORIFICE PLATE 1/8" INCREMENTS, SS BOX, BARTON 2 PEN RECORDER c/w 5 VALVE MANIFOLD, 500 PSI, 0-100 DIFFERENTIAL, ALL MATERIAL TO BE LOW-TEMP. F/F= 99" LG |

NOTES:

- VENTS, INSTRUMENT AND PROCESS TUBING:  
3/8" SA269 316SS (0.035" WT) C/W 316 SS COMPRESSION FITTINGS
- DRAIN TUBING:  
1/2" SA269 316SS (0.035" WT) C/W 316 SS COMPRESSION FITTINGS

PIPING AND TUBING PRESSURE TEST:

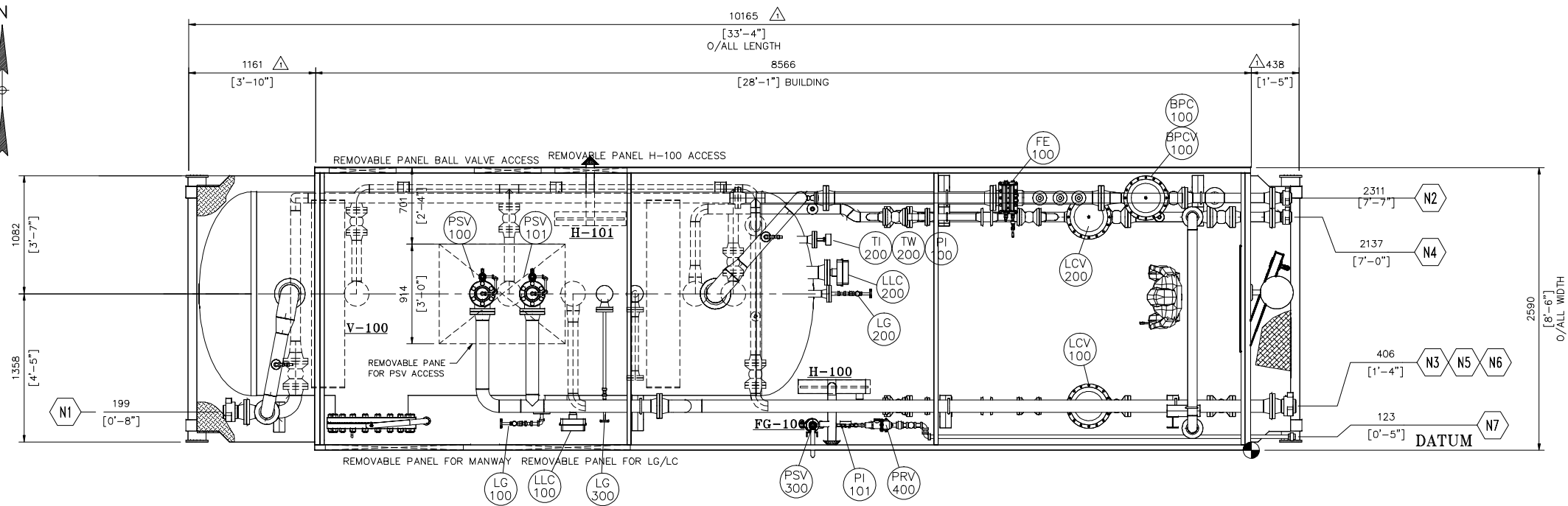
- HYDRO TEST PRESSURE FOR 150 ANSI IS 368 PSIG, TEST MEDIUM METHANOL/H2O (50/50)
- PNEUMATIC TEST PRESSUE (AIR) FOR INSTRUMENT TUBING IS 110 PSIG

( 1 ) REQ'D  
TIME CARD  
13-031-PPS

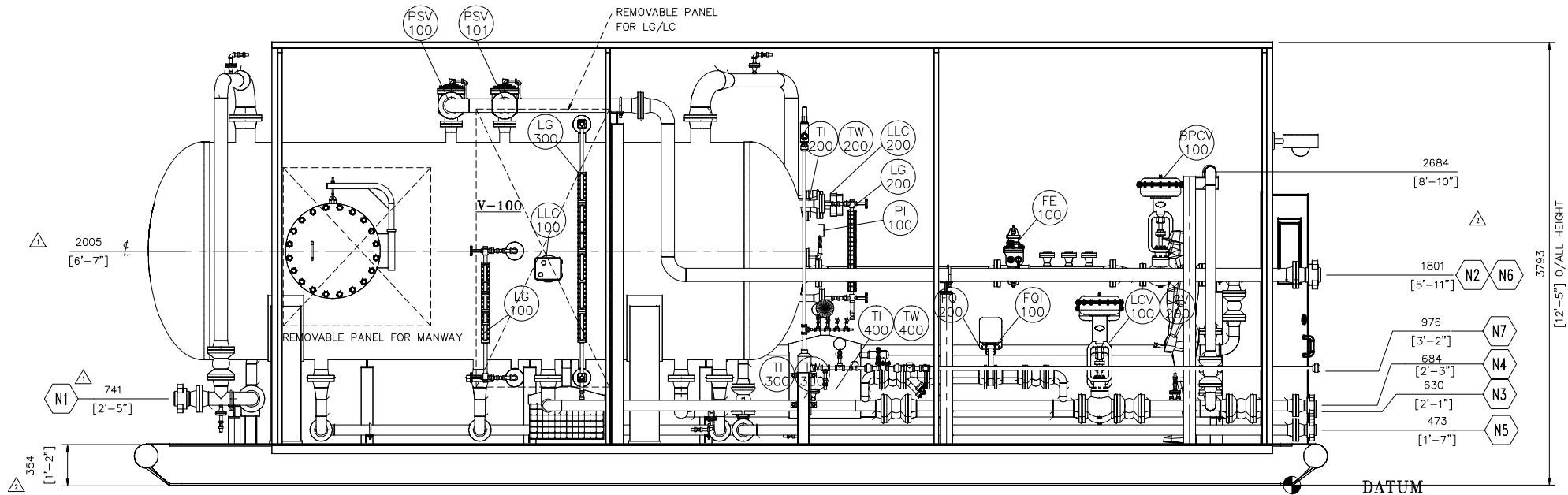
|                                   |    |      |          |    |          |
|-----------------------------------|----|------|----------|----|----------|
| AS BUILT                          | DD | ET   | 12-10-03 | KF | 13-01-21 |
| REVISED THERMOWELL                | DD | ET   | 12-10-03 | KF | 12-10-03 |
| REVISED AS NOTED                  | DD | ET   | 12-10-01 | KF | 12-10-01 |
| REVISED AS NOTED                  | DD | ET   | 12-10-01 | KF | 12-10-01 |
| ISSUED FOR CONSTRUCTION           | DD | ET   | 12-09-17 | LD | 12-09-17 |
| REVISED AS PER CUSTOMER'S MARK UP | DD | ET   | 12-07-18 | KF | 12-07-18 |
| REV.                              | PM | ENGR | DATE     | BY | DATE     |
| PROJECT CO-ORDINATOR CHECKED:     |    |      | DATE:    |    |          |
|                                   |    |      | BY:      |    |          |

PROLINK  
FABRICATION LTD.

|                                                                                                                             |                |
|-----------------------------------------------------------------------------------------------------------------------------|----------------|
| DRAWN BY: KF                                                                                                                | DATE: 12-05-11 |
| CHECKED BY: DD                                                                                                              | SCALE: N.T.S.  |
| MECHANICAL FLOW DIAGRAM FOR<br>72"ID X 15'-0" S/S X 260 PSIG X -50/200°F<br>HORIZONTAL SEPERATOR SKID PKG<br>(SOUR SERVICE) |                |
| WEATHERFORD                                                                                                                 | 13-031-D       |
| REV.                                                                                                                        | Δ              |



PLAN VIEW



ELEVATION VIEW

| TP | SIZE/RATING     | SERVICE              |
|----|-----------------|----------------------|
| N1 | 4" FIG 206F HU. | GAS INLET            |
| N2 | 3" FIG 206M HU. | GAS OUTLET           |
| N3 | 3" FIG 206M HU. | WATER OUT            |
| N4 | 3" FIG 206M HU. | OIL OUT              |
| N5 | 3" FIG 206M HU. | DRAIN OUT            |
| N6 | 4" FIG 206M HU. | PSV OUT              |
| N7 | 1/2" 3000 NPT   | INSTRUMENT AIR INLET |

GENERAL NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOW DIAGRAM.
- ALL PIPING ELEVATIONS ARE REF. FROM TOP OF CHECKER PLATE.
- ALL PIPING TO BE HELD @ DIMENSIONS & ELEVATIONS SHOWN FOR CUSTOMER TIE-INS.
- MAIN PIPING TO BE BUILT IN ACCORDANCE WITH THE LATEST EDITION OF B31.3.
- ALL BUTTWELDED 0.0625" C.A. PIPING TO BE:  
150 ANSI: 1 1/2" TO 2" - SCH 80 AND 3" AND OVER - SCH STD.

MATERIALS: PIPING - SA-333-6  
FLANGES - SA-350-LF2 cl.1  
FITTINGS - SA-420-WPL6  
BOLTS - SA-193-L7M  
NUTS - SA-194-2HM  
GASKETS - FLEX. GRAPHITE 316 SS, CS OUTER RING.

- CLASS 150 ANSI: THREADED PIPING  
1/2" - 1" PIPE: SCH.80, SA-333-6  
1/2" - 1" NIPPLE: SCH.80, SA-333-6  
1/2" - 1" SWAGE: SCH.80, SA-350-LF2 CL.1  
1/2" - 1" FITTING: 3000# NPT, SA-350-LF2 CL.1

- BUILDING:  
DIM.: 8'-6" W X 28'-1" LG X 11'-4" HIGH FLAT ROOF STYLE FOAM PANEL BUILDING  
28 GAUGE ASTM A792 Gr. 37 STEEL 1 1/2" POLYURETHANE FOAM INJECTED PANEL (R12), WHITE EXTERIOR/WHITE INTERIOR.  
(1) 3' X 7' FOAM PANEL DOOR C/W PANIC HARDWARE, IWG, CHECKCHAIN AND WEATHERSTRIP  
(6) REMOVABLE WALL PANELS C/W ASSOCIATED HARDWARE.  
(1) CATADYNE HEATER, W24X24 WX SERIES, 20,000 BTU/HR, NATURAL GAS  
(1) CATADYNE HEATER, W12X24 WX SERIES, 10,000 BTU/HR, NATURAL GAS  
(2) 12"x12" ADJUSTABLE LOUVERS C/W SCREEN

- UNIT TO BE COMMERCIALY SANDBLASTED TO SSPC-SP6 PRIOR TO:  
PRIME COAT: (1) ENDURA CLR 120 EPOXY PRIMER  
FINISH COAT: (2) ENDURA CLR24544  
CLEAR COAT: (1) URETHANE CLEAR COAT 1-1.5mils  
PIPING: WHITE  
VESSELS: WHITE  
SKID FLOOR: RED  
STRUCTURAL SUPPORT: RED

- ALL BUTTWELDED PIPING SHALL BE 100% (SEVERE) RADIOGRAPHICALLY INSPECTED AND PWHT, AS PER WEATHERFORD SPEC'S BASE LINE UT
- ALL PIPING SHALL BE HYDROTESTED TO 1.5 TIMES THE DESIGN PRESSURE.
- SHIPPING DIMENSIONS: 33'-4" L X 8'-6" W X 12'-5" H
- SHIPPING WEIGHT: 38,000 LBS

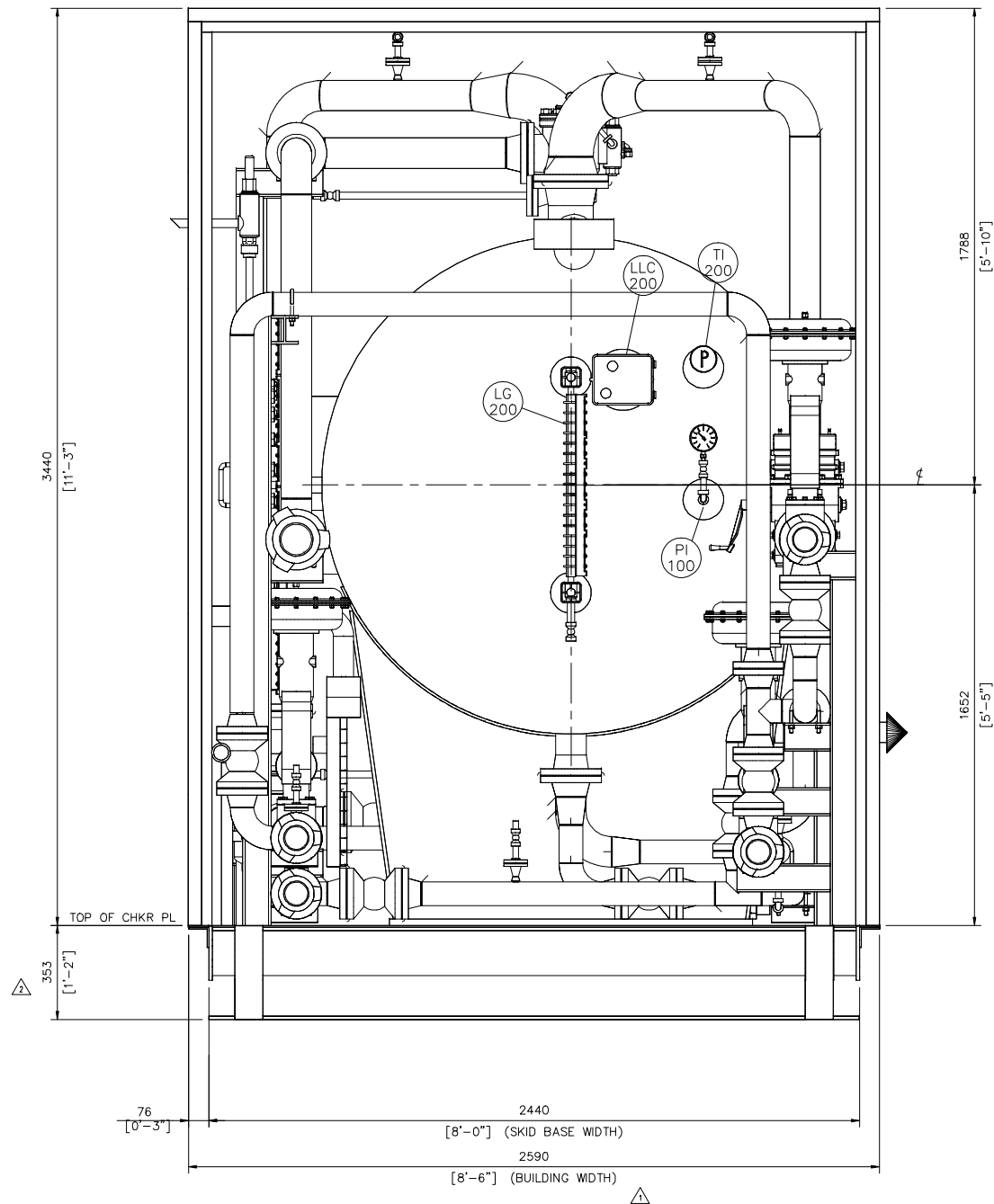
( 1 ) REQ'D

TIME CARD  
13-031-PPW

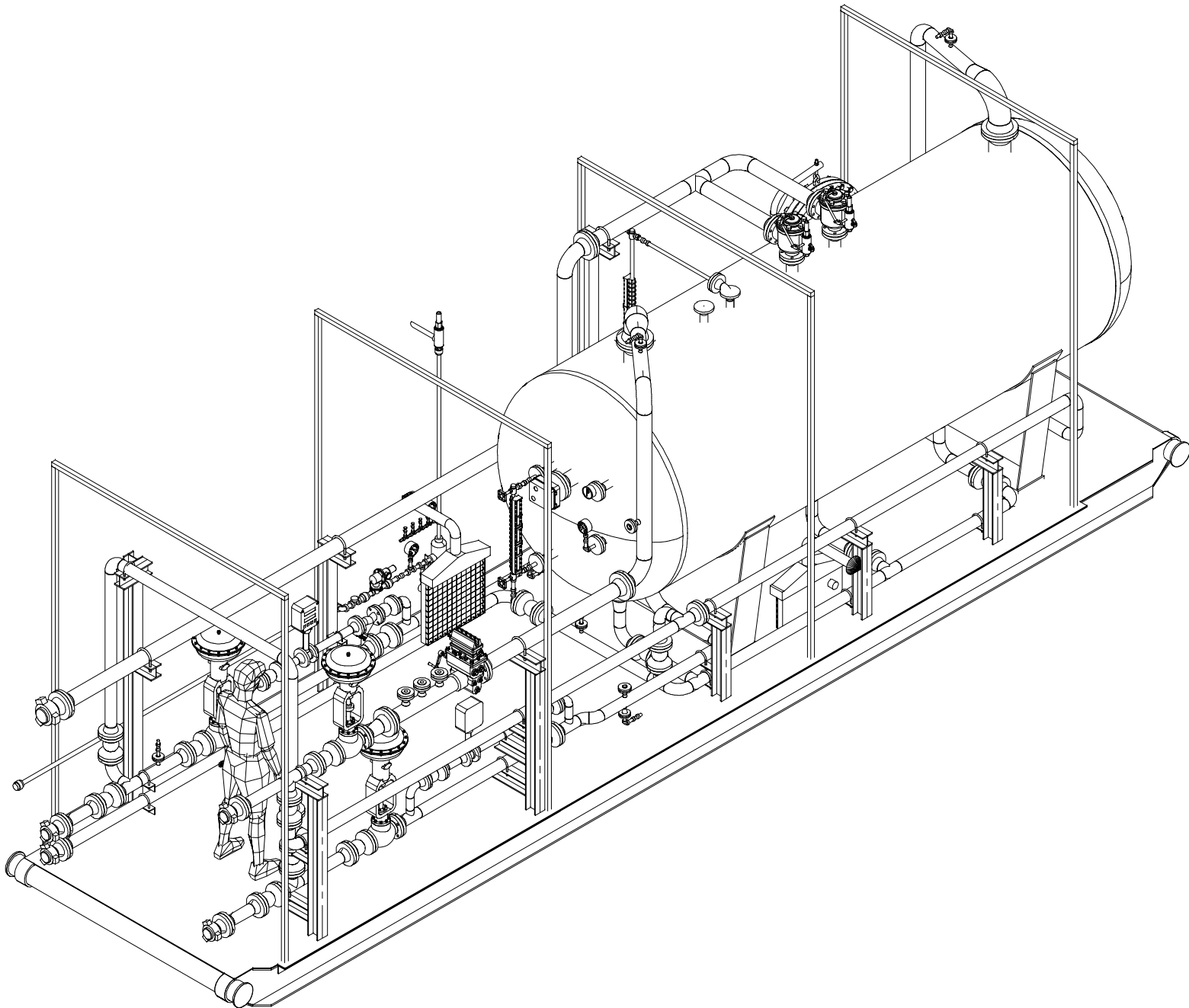
| REV.                                | DESCRIPTION                       | PM  | ENG | DATE     | BY | DATE     |
|-------------------------------------|-----------------------------------|-----|-----|----------|----|----------|
|                                     | AS BUILT                          |     |     |          | HS | 13-01-21 |
|                                     | REVISED AS PER SKID DEPTH CHANGED | DD  | ET  | 12-09-11 | HS | 12-09-11 |
|                                     | REVISED AS PER CUSTOMER MARK UP   | DD  | ET  | 12-07-25 | HS | 12-07-25 |
|                                     | ISSUED FOR APPROVAL               | DD  | ET  | 12-06-20 | HS | 12-06-20 |
| PROJECT CO-ORDINATOR CHECKED: DATE: |                                   | BY: |     |          |    |          |

**PROLINK**  
FABRICATION LTD.

|                                                                                                                      |                |
|----------------------------------------------------------------------------------------------------------------------|----------------|
| DRAWN BY: HS                                                                                                         | DATE: 12-06-20 |
| CHECKED BY: ET                                                                                                       | SCALE: 1:30    |
| GENERAL ARRANGEMENT FOR<br>72"ID x 15'-0"SS @ 260psi HORIZONTAL<br>SEPARATOR SKID PACKAGE<br>(SOUR SERVICE/LOW TEMP) |                |
| WEATHERFORD US LP                                                                                                    | 13-031-E REV.  |



SIDE VIEW



ISO VIEW

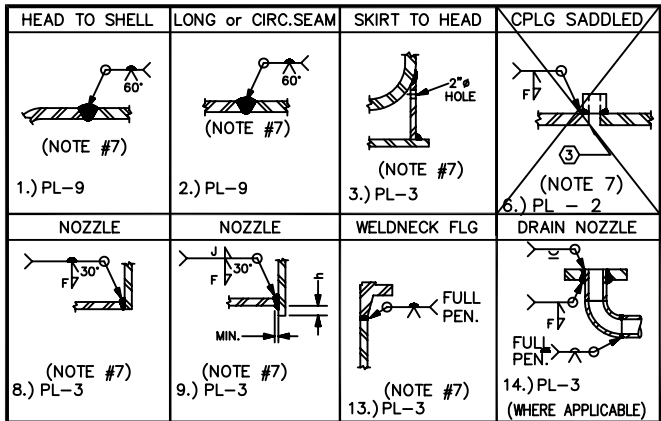
( 1 ) REQ'D

TIME CARD  
13-031-PPW

| REV.                                | DESCRIPTION                       | PM | ENG | DATE     | BY | DATE     |
|-------------------------------------|-----------------------------------|----|-----|----------|----|----------|
| △                                   | AS BUILT                          |    |     |          | HS | 13-01-21 |
| △                                   | REVISED AS PER SKID DEPTH CHANGED | DD | ET  | 12-09-11 | HS | 12-09-11 |
| △                                   | REVISED AS PER CUSTOMER MARK UP   | DD | ET  | 12-07-25 | HS | 12-07-25 |
| △                                   | ISSUED FOR APPROVAL               | DD | ET  | 12-06-20 | HS | 12-06-20 |
| PROJECT CO-ORDINATOR CHECKED: DATE: |                                   | PM |     | ENG      |    | DATE     |
|                                     |                                   |    |     | BY:      |    | DATE     |

**PROLINK**  
FABRICATION LTD.

|                                                                                                                       |                  |
|-----------------------------------------------------------------------------------------------------------------------|------------------|
| DRAWN BY: HS                                                                                                          | DATE: 12-06-20   |
| CHECKED BY: ET                                                                                                        | SCALE: 1:30      |
| GENERAL ARRANGEMENT FOR<br>72"ID x 15'-0"S/S @ 260psi HORIZONTAL<br>SEPARATOR SKID PACKAGE<br>(SOUR SERVICE/LOW TEMP) |                  |
| WEATHERFORD US LP                                                                                                     | 13-031-E1 REV. △ |



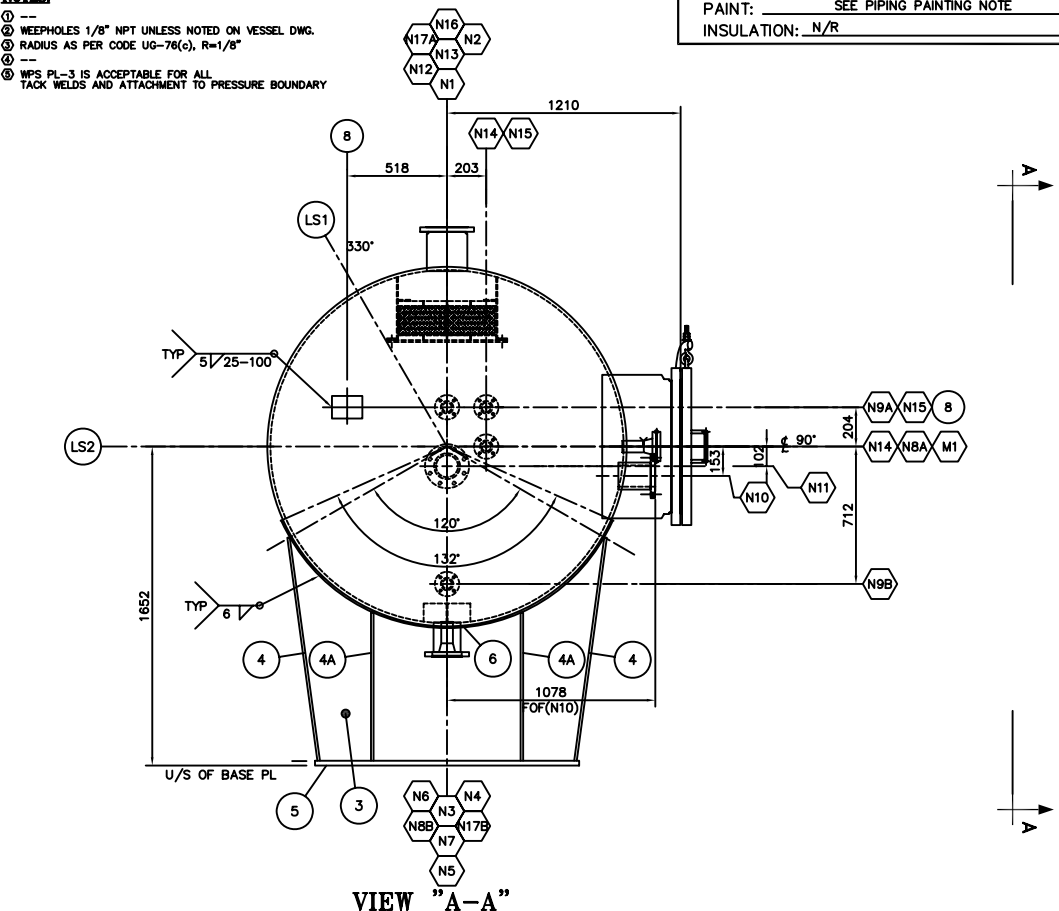
### VESSEL DESIGN DATA

20.10 ASME CODE SEC. VIII DIV. 1 ADD. 2011  
 PARA: UW-11(a)  
 HEAD MATERIAL: SA-516-70N 0.75" (19.05mm) NOM WALL (0.6875" MIN)  
 SHELL MATERIAL: SA-516-70N 0.625" (15.88mm) NOM. WALL  
 MDMT: -50°F (-45.6°C) @ 260 PSIG (1793 KPAG)  
 NOZZLE: SA-333-6/SA-350-LF2 cl.1 FLANGES: SA-350-LF2 cl.1  
 M.A.W.P.: 260 PSIG (1793 KPAG) TEMP.: 200°F (93°C)  
 HYDROTEST: 390 PSIG (2689 KPAG) RADIOGRAPHY: RT-1 (FULL, INCLUDE NOZZLE BW) (NEW & COLD)  
 STRESS RELIEVE: 60 MIN. @ 1150°F ± 25°F  
 CORR. ALLOW.: 3.2mm (0.125") JOINT EFF.: 100%  
 VOLUME: 490.09 CU.FT (13.88 CUM)  
 EMPTY WT: 12,900 LBS (5805 KG) FULL WT: 43,476 LBS (19,564 KG)  
 YEAR BUILT: 2012 SERIAL No.:  
 CRN No.: V8872.21  
 W.P.R. No.: 1752.2  
 SURFACE PREP.: SSPC-SP6 COMMERCIAL SANDBLAST  
 PRIME: SEE PIPING PAINTING NOTE  
 PAINT: SEE PIPING PAINTING NOTE  
 INSULATION: N/R

| MARK NO. | NO. REQ'D | SIZE | SCH. | RATING AND FACING | SERVICE       | PROJECTION  | FILLET   | REPAD               | WELD# |
|----------|-----------|------|------|-------------------|---------------|-------------|----------|---------------------|-------|
|          |           |      |      |                   |               | INSIDE(min) | OUTSIDE  | "F" "J" "W" "R" "S" |       |
| N1       | 1         | 6"   | ---  | CL150 RFHB        | CRUDE INLET   | 0           | 8 1/8"   | 3/8"                | 8     |
| N2       | 1         | 6"   | ---  | CL150 RFHB        | CRUDE OUTLET  | 0           | 8 1/8"   | 3/8"                | 8     |
| N3       | 1         | 4"   | ---  | CL150 RFHB        | DRAIN         | 0           | 6 1/4"   | 3/8"                | 8     |
| N4       | 1         | 4"   | ---  | CL150 RFHB        | DRAIN         | 0           | 6 1/4"   | 3/8"                | 8     |
| N5       | 1         | 4"   | ---  | CL150 RFHB        | DRAIN         | 0           | 6 1/4"   | 3/8"                | 8     |
| N6       | 1         | 4"   | ---  | CL150 RFHB        | WATER OUT     | FLUSH       | 6 1/4"   | 3/8"                | 8     |
| N7       | 1         | 4"   | ---  | CL150 RFHB        | OIL OUTLET    | FLUSH       | 6 1/4"   | 3/8"                | 8     |
| N8A      | 1         | 2"   | 160  | CL150 RFWN        | LG-100 WATER  | 0           | 6"       | 3/8"                | 8,13  |
| N8B      | 1         | 2"   | 160  | CL150 RFWN        | LG-100 WATER  | 0           | 6"       | 3/8"                | 8,13  |
| N9A      | 1         | 2"   | 160  | CL150 RFWN        | LG-200 OIL    | 0           | AS SHOWN | 3/8"                | 8,13  |
| N9B      | 1         | 2"   | XXH  | CL150 RFWN        | LG-200 OIL    | 0           | AS SHOWN | 3/8"                | 8,13  |
| N10      | 1         | 4"   | ---  | CL150 RFHB        | LLC-100 WATER | 0           | AS SHOWN | 3/8"                | 8     |
| N11      | 1         | 4"   | ---  | CL150 RFHB        | LLC-200 OIL   | 0           | AS SHOWN | 3/8"                | 8     |
| N12      | 1         | 3"   | ---  | CL150 RFHB        | PSV           | 0           | 6 1/4"   | 3/8"                | 8     |
| N13      | 1         | 3"   | ---  | CL150 RFHB        | PSV           | 0           | 6 1/4"   | 3/8"                | 8     |
| N14      | 1         | 2"   | 160  | CL150 RFWN        | PI            | 0           | AS SHOWN | 3/8"                | 8,13  |
| N15      | 1         | 2"   | 160  | CL150 RFWN        | TI            | 0           | AS SHOWN | 3/8"                | 8,13  |
| N16      | 1         | 2"   | 160  | CL150 RFWN        | SPARE         | 0           | 6"       | 3/8"                | 8,13  |
| N17A/B   | 2         | 2"   | 160  | CL150 RFWN        | LG-300        | 0           | 6"       | 3/8"                | 8,13  |
| M1       | 1         | 24"  | ---  | CL150 RFV2'       | MANWAY        | 1 1/4"      | AS SHOWN | 3/8" 3/8"           | 9     |

### BILL OF MATERIAL

| ITEM   | QTY   | DESCRIPTION                                                                                                            | MAT'L           |
|--------|-------|------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1      | 1     | SHELL - 72" ID X 10'-0" S/S X 0.625" THK.                                                                              | SA-516-70N      |
| 1A     | 1     | SHELL - 72" ID X 5'-0" S/S X 0.625" THK.                                                                               | SA-516-70N      |
| 2      | 2     | HEADS - 72" ID 2:1 S.E. X 0.75" NOM. (0.6875" MIN) WITH 2" S.F.                                                        | SA-516-70N      |
| 3      | 2 PCS | WEB PLATE - 1/2" THK (CUT PER DWG DET'L)                                                                               | 44W             |
| 4      | 4 PCS | SIDE PLATE - 1/2" THK X 10" WD X 45 7/8" LG                                                                            | 44W             |
| 4A     | 4 PCS | RIB PLATE - 1/2" THK X 9" WD X 30 1/8" LG                                                                              | 44W             |
| 5      | 2 PCS | BASE PLATE - 1" THK X 11" WD X 53 7/8" LG                                                                              | 44W             |
| 6      | 2 PCS | WEAR PLATE - 3/8" THK X 12" WD X 84 5/8" LG (R.T. 73 1/4" ID)                                                          | SA-516-70N      |
| 7      | 2     | LIFT LUG - 1" THK X 15" LG X 7" H (CUT PER DWG DET'L)                                                                  | SA-516-70N      |
| 8      | 1     | NAME PLATE C/W MOUNTING BRACKET                                                                                        | SS/SA-516-70N   |
| 11     | 1     | DAVT SLEEVE - 2 1/2" SCH. STD. SMLS PIPE X CTS                                                                         | SA-106-B        |
| 12     | 1     | RING - 2 1/2" SCH. STD. SMLS PIPE X 1" LG                                                                              | SA-106-B        |
| 13A    | 1     | DAVT ARM - 2" SCH. XXH SMLS PIPE X CTS                                                                                 | SA-106-B        |
| 13B    | 1     | ELBOW - 2" SCH. XXH X 90° LR                                                                                           | SA-234-WPB      |
| 13     | 1     | DAVT ARM - 2" SCH. XXH SMLS PIPE X CTS                                                                                 | SA-106-B        |
| 14     | 1     | PLATE - 3/4" THK. X 2" WD X 8" LG                                                                                      | SA-516-70N      |
| 15     | 1     | U BAR - 3/4" ROUND BAR (BEND AS SHOWN)                                                                                 | SA-36           |
| 16     | 1     | EYE BOLT - 3/4" ROUND BAR (BEND AS SHOWN)                                                                              | SA-36           |
| 17     | 1     | WASHER - 3/4"                                                                                                          | S.S.            |
| 18     | 2     | NUTS - 3/4"                                                                                                            | 2H              |
| 19     | 1     | HANDLE - 3/4" ROUND BAR (BEND AS SHOWN)                                                                                | SA-36           |
| 20     | 1     | BLIND END - 1/4" PL X 2 7/8" OD                                                                                        | SA-36           |
| N1/N2  | 2     | FLANGE - 6" CL150 RFHB X 9" LG (1.25" WT)                                                                              | SA-350-LF2 cl.1 |
| N1     | 1     | 6" SCH 80 SMLS PIPE X 4" LG                                                                                            | SA-106B         |
|        | 2     | FLANGE - 6" CL150 RFSO                                                                                                 | SA-350-LF2 cl.1 |
|        | 1     | 6" ELBOW, 45° LR SCH 80                                                                                                | SA-420-WPL6     |
|        | 1     | GASKET-6" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC  | SA-350-LF2 cl.1 |
|        | 8     | STUD - 3/4" X 4" LG C/W 2 HEX NUTS EA.                                                                                 | SA-350-LF2 cl.1 |
| N3-N7  | 5     | FLANGE - 4" CL150 RFHB X 7" LG (1.31" WT)                                                                              | SA-350-LF2 cl.1 |
| N8A/B  | 2     | FLANGE - 2" CL150 RFWN SCH. 160 BORE                                                                                   | SA-350-LF2 cl.1 |
|        | 2     | NECK - 2" SCH. 160 SMLS X 4 1/4" LG                                                                                    | SA-333-6        |
|        | 2     | GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC  | SA-350-LF2 cl.1 |
|        | 8     | STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.                                                                             | SA-350-LF2 cl.1 |
|        | 2     | BLIND FLANGE - 2" CL150 RF C/W 3/4" NPT D/T                                                                            | SA-350-LF2 cl.1 |
| N9A    | 1     | FLANGE - 2" CL150 RFWN SCH. 160 BORE                                                                                   | SA-350-LF2 cl.1 |
| N9B    | 1     | FLANGE - 2" CL150 RFWN SCH. XXH BORE                                                                                   | SA-350-LF2 cl.1 |
| N9A    | 1     | NECK - 2" SCH. 160 SMLS X 5" LG                                                                                        | SA-333-6        |
| N9B    | 1     | NECK - 2" SCH. XXH SMLS X 6" LG                                                                                        | SA-333-6        |
|        | 2     | GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC  | SA-350-LF2 cl.1 |
|        | 8     | STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.                                                                             | SA-350-LF2 cl.1 |
|        | 2     | BLIND FLANGE - 2" CL150 RF C/W 3/4" NPT D/T                                                                            | SA-350-LF2 cl.1 |
| N10    | 1     | FLANGE - 4" CL150 RFHB X 10" LG (1.31" WT)                                                                             | SA-350-LF2 cl.1 |
|        |       | (SHOP CUT TO 7 1/2" LG)                                                                                                |                 |
| N11    | 1     | FLANGE - 4" CL150 RFHB X 8" LG (1.31" WT) (CTS)                                                                        | SA-350-LF2 cl.1 |
|        | 2     | GASKET-4" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC  | SA-350-LF2 cl.1 |
|        | 16    | STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.                                                                             | SA-350-LF2 cl.1 |
| N12/13 | 2     | FLANGE - 3" CL150 RFHB X 7" LG (1.02" WT)                                                                              | SA-350-LF2 cl.1 |
| N14    | 1     | FLANGE - 2" CL150 RFWN SCH. 160 BORE                                                                                   | SA-350-LF2 cl.1 |
|        | 1     | NECK - 2" SCH. 160 SMLS X 5" LG                                                                                        | SA-333-6        |
|        | 1     | GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC  | 316 SS          |
|        | 4     | STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.                                                                             | SA-350-LF2 cl.1 |
|        | 1     | BLIND FLANGE - 2" CL150 RF C/W 1/2" NPT D/T                                                                            | SA-350-LF2 cl.1 |
| N15    | 1     | FLANGE - 2" CL150 RFWN SCH. 160 BORE                                                                                   | SA-350-LF2 cl.1 |
|        | 1     | NECK - 2" SCH. 160 SMLS X 5" LG                                                                                        | SA-333-6        |
|        | 1     | GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC  | 316 SS          |
|        | 4     | STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.                                                                             | SA-350-LF2 cl.1 |
|        | 1     | BLIND FLANGE - 2" CL150 RF C/W 3/4" NPT D/T                                                                            | SA-350-LF2 cl.1 |
| N16    | 3     | FLANGE - 2" CL150 RFWN SCH. 160 BORE                                                                                   | SA-350-LF2 cl.1 |
| N17A/B | 3     | NECK - 2" SCH. 160 SMLS X 4 1/4" LG                                                                                    | SA-333-6        |
|        | 3     | GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC  | 316 SS          |
|        | 12    | STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.                                                                             | SA-350-LF2 cl.1 |
| N16    | 1     | BLIND FLANGE - 2" CL150 RF                                                                                             | SA-350-LF2 cl.1 |
| N17A/B | 2     | BLIND FLANGE - 2" CL150 RF C/W 3/4" NPT D/T                                                                            | SA-350-LF2 cl.1 |
| M1     | 1     | FLANGE - 24" CL150 RFV2' X 16" LG (2.63" WT)                                                                           | SA-350-LF2 cl.1 |
|        | 1     | BLIND FLANGE - 24" CL150 RF                                                                                            | SA-350-LF2 cl.1 |
|        | 2     | GASKET-24" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC | 316 SS          |
|        | 20    | STUD - 1 1/4" X 7" LG C/W 2 HEX NUTS EA.                                                                               | SA-350-LF2 cl.1 |



### INTERNAL COATING:

- VESSEL TO BE COATED WITH DEVCHEM 253 SSPC-SP5 WHITE METAL SANDBLAST PRIOR TO INTERNAL COATING
- ALL CORNERS TO BE GROUNDED SMOOTH FOR INTERNAL COATING.

### MATERIAL NOTES:

- SHELL & HEAD MATERIAL TO BE VACUUM DEGASSED C/W SULPHIDE SHAPE CONTROL
- ALL FORGED FLANGES (RFLWN AND RFHB) HAVE FULL NECK THICKNESS FOR ENTIRE LENGTH (EXCLUDING STRESS CONCENTRATION NOTCH). NOZZLES "HB" USING NOT STOP NECK ONLY.
- SHELL & HEAD MATERIAL IS TO BE TO THE FOLLOWING SELECT CHEMISTRY: CE < 0.45 WHERE CE = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

THIS DWG. TO BE READ IN CONJUNCTION WITH DWG. 13-029-A1.

| REV. | DESCRIPTION                   | PM | ENG | DATE  | BY | DATE     |
|------|-------------------------------|----|-----|-------|----|----------|
| 1    | REVISED INTERNAL COATING      |    |     | LL    |    | 12-09-20 |
| 2    | PROJECT CO-ORDINATOR CHECKED: |    |     | DATE: |    |          |

**PROLINK**  
FABRICATION LTD.

|                                                                                                              |                |                |             |
|--------------------------------------------------------------------------------------------------------------|----------------|----------------|-------------|
| DRAWN BY: JC                                                                                                 | CHECKED BY: DD | DATE: 10-12-03 | SCALE: 1:20 |
| 72" ID X 15'-0" S/S X 260 PSIG X -50/200°F<br>X 1/8" C.A. HORIZONTAL INLET SEPARATOR<br>V-100 (SOUR SERVICE) |                |                |             |
| WEATHERFORD US LP                                                                                            |                | 13-031-A       | REV. 1      |

( 1 ) REQ'D

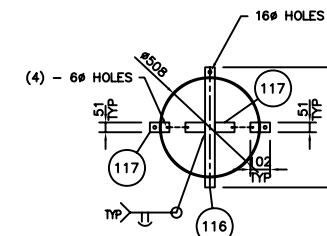
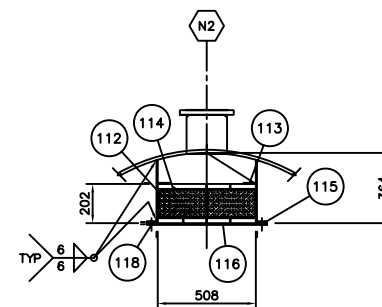
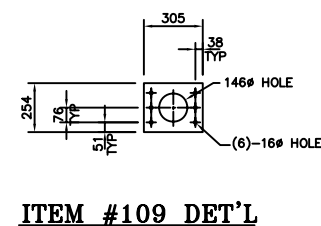
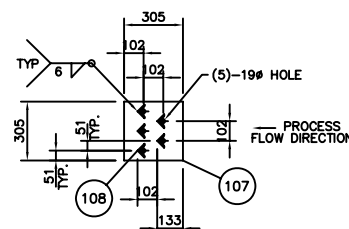
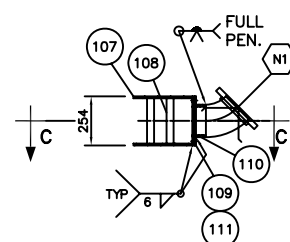
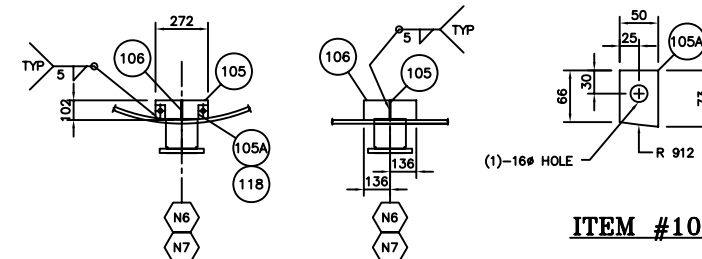
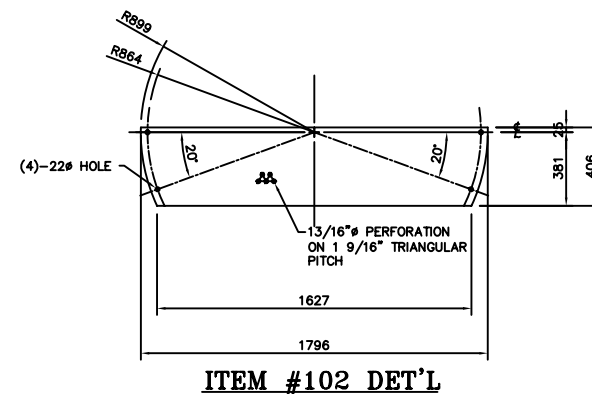
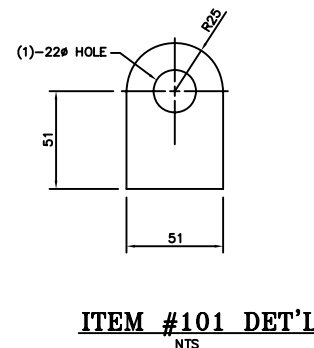
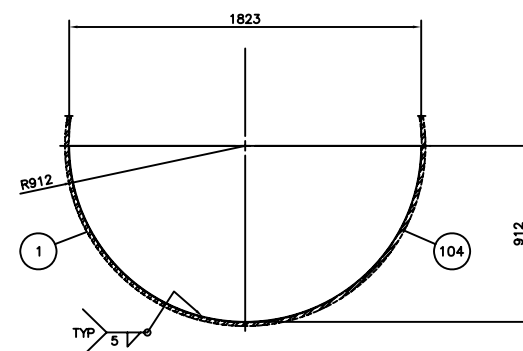
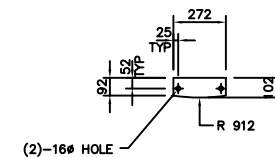
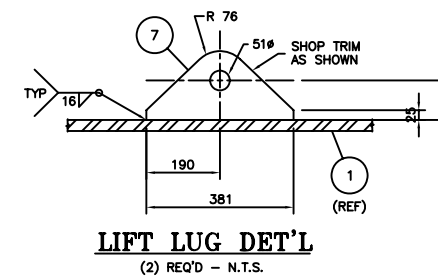
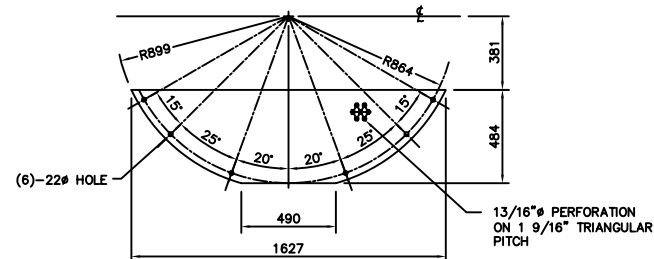
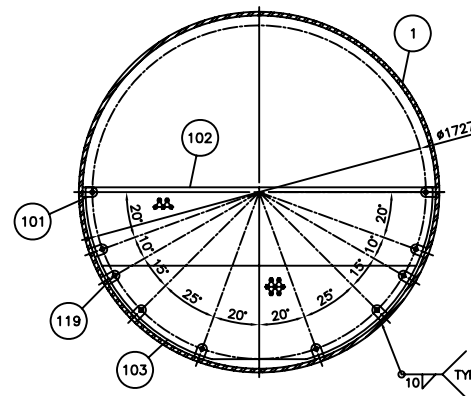
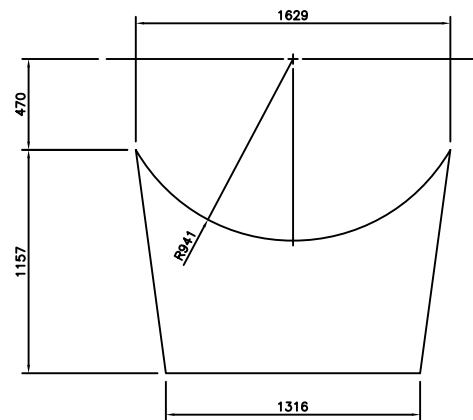
TIME CARD  
13-031-HS

### FABRICATION NOTES:

- VESSEL IS TO HAVE HARDNESS TEST PERFORMED ON EACH WELD PROCEDURE USED. HARDNESS TEST IS TO CHECK WELD METAL, PARENT METAL, AND H.A.Z. (OUTSIDE SURFACE) HARDNESS IS TO BE: BHNS 200
- COMPLETED VESSEL IS TO HAVE A BASE LINE ULTRASONIC SURVEY THIS SURVEY IS TO BE COMPLETED PRIOR TO APPLICATION OF PRIME/PAINT.
- ALL SPLIT REPADS AND/EXTERNAL PADS ATTACHED TO THE PRESSURE BOUNDARY SHALL BE PNEUMATIC (AIR/SOAP) TESTED AT 140 KPA (20 PSI)
- 1/8" NPT WEEPHOLES ARE REQUIRED ON ALL SADDLE WEAR PLACE & POISON PAD, ALL WEEPHOLES SHALL BE PLUGGED WITH GREASE AFTER TESTING.

### GENERAL NOTES:

- SHELL, HEADS AND PRODUCTION WELDS ARE EXEMPT FROM IMPACT TESTING PER UCS-66(a),(g), UCS-67(a)(2) & UCS-67(d)(2). ALL OTHER COMPONENTS ARE EXEMPT FROM IMPACT TESTING PER UG-84. MDMT IS -50°F @ 260 PSIG.
- MTR'S ARE REQUIRED FOR ALL PRESSURE RETAINING MATERIALS & PUT INTO Q.C. FILE.
- EXTERNAL LOADINGS ARE NOT APPLICABLE (REF. UG-22).
- DIMENSIONAL TOLERANCES AS PER PROLINK ENGR. SPEC. PL-003 REV.2.
- ALL BOLT HOLES TO STRADDLE CENTERLINES.
- SUBSTITUTION OF MATERIAL OTHER THAN LISTED BELOW IS NOT ACCEPTABLE UNLESS ENGINEERING DEPARTMENT APPROVAL OBTAINED.
- WELDING JOINT PREPARATION AND FIT-UP PER PROLINK ENGR. SPEC. PL-002 REV.2.
- VESSEL TO BE REGISTERED IN ALBERTA & NATIONAL BOARD.



| BILL OF MATERIAL |       |                                                                                          |            |
|------------------|-------|------------------------------------------------------------------------------------------|------------|
| ITEM             | QTY   | DESCRIPTION                                                                              | MAT'L      |
| 101              | 10    | CLIP-3/4" THK PLATE X 2" X 3" LG (CUT AS SHOWN)                                          | SA-516-70N |
| 102              | 1     | BAFFLE-3/8" THK PL X 5'-10 3/4" OD (CUT AS SHOWN)                                        | SA-516-70N |
| 103              | 1     | BAFFLE-3/8" THK PL X 5'-10 3/4" OD (CUT AS SHOWN)                                        | SA-516-70N |
| 104              | 1     | WEIR-3/8" THK PL X 5'-11 3/4" OD (CUT AS SHOWN)                                          | SA-516-70N |
| 105              | 2 PCS | VORTEX BREAKER - 1/4" THK PL (CUT PER DWG DET'L)                                         | SA-516-70N |
| 105A             | 4 PCS | CLIPS - 3/8" THK PL (CUT PER DWG DET'L)                                                  | SA-516-70N |
| 106              | 4 PCS | VORTEX BREAKER - 1/4" THK PL X 5 1/4" X 4"                                               | SA-516-70N |
| 107              | 2 PCS | PLATE - 3/8" THK X 12" W X 12" LG (CTS)                                                  | SA-516-70N |
| 108              | 5 PCS | ANGLE - L2" X 2" X 1/4" X 9 1/4" LG                                                      | SA-516-70N |
| 109              | 2 PCS | PLATE - 3/8" THK X 10" W X 12" LG (CTS)                                                  | SA-516-70N |
| 110              | 1     | 6" SCH 80 SMLS PIPE x 2" LG                                                              | SA-106B    |
| 111              | 6     | BOLT - 1/2"Ø X 2" LG C/W (1) NUT                                                         | 316SS      |
| 112              | 1     | 1/4" THK PLATE ROLLED TO 20 1/2" OD x 14 3/8" LG                                         | SA-516-70N |
| 113              | 1     | 1/4" THK PLATE x 20" OD x 16" ID                                                         | SA-516-70N |
| 114              | 1     | 6" THK DEMISTER Ø 9 LBS CUFT x 20" OD CUT IN TWO<br>PIECES c/w 1"x1/8" TOP & BOTTOM GRID | 316LSS     |
| 115              | 4     | 2" x 3/8" THK FLAT BAR x 2" LG                                                           | SA-516-70N |
| 116              | 1     | 2" x 3/8" THK FLAT BAR x 2'-0 1/2" LG                                                    | SA-516-70N |
| 117              | 4     | 2" x 3/8" THK FLAT BAR x 4" LG                                                           | SA-516-70N |
| 118              | 1     | 1/2"Ø x 2" LG BOLT c/w (1) NUT                                                           | 316SS      |
| 119              | 8     | 3/4"Ø x 2 1/4" LG BOLT c/w (1) NUT                                                       | 316SS      |

( 1 ) REQ'D

TIME CARD  
13-031-HS

THIS DWG. TO BE READ IN CONJUNCTION WITH DWG. 13-029-A.

[illegible]

|                                                                                                                         |    |        |                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------|----|--------|------------------------------------------------------------------------------------------------------|
| DRAWN BY:                                                                                                               | JC | DATE:  | 10-12-03                                                                                             |
| CHECKED BY:                                                                                                             | DD | SCALE: | 1: 20                                                                                                |
| <p>72" ID X 15'-0" S/S X 260 PSIG X -50/200°F<br/> X 1/8" C.A. HORIZONTAL INLET SEPARATOR<br/> V-100 (SOUR SERVICE)</p> |    |        |                                                                                                      |
| WEATHERFORD US LP                                                                                                       |    |        | REV.  13-031-A1 |