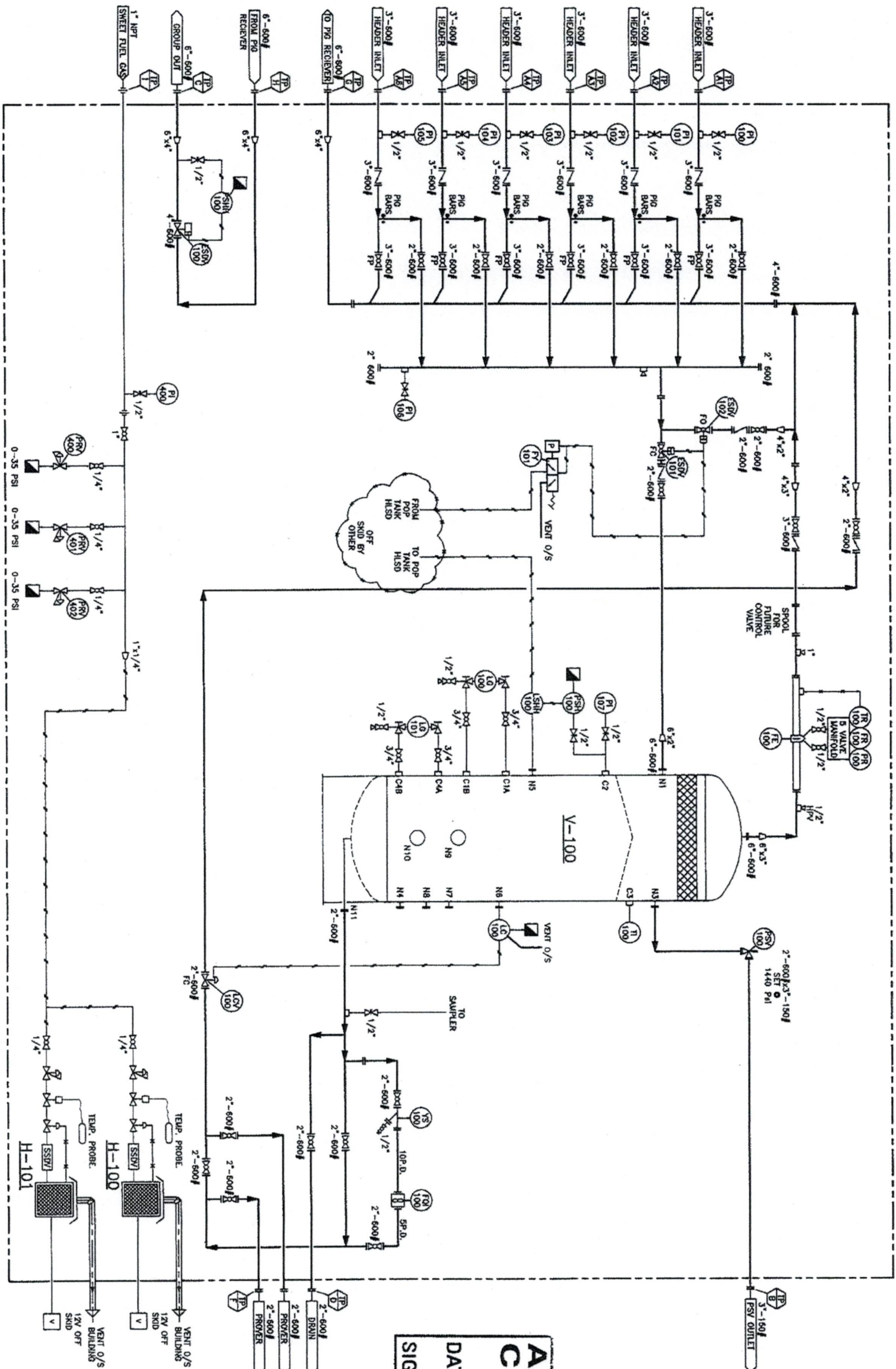


V-100
VERTICAL SEPARATOR
36" x 10'-0" S/S 1440 Psi
SOUR
RTI-PHMT

H-100/101
CATALYTIC HEATER
2'-24" x 24" 24,000 BTU
12 VOLT NATURAL GAS, CABLES
CLAMP GRILL, HOOD & CONTROLS



- INSTRUMENT MATERIAL LIST**
- FG-100 - NUTLO 2"x1-1/2" EZ IN c/w MCH TOTALIZER
 - EXTENSION, PICK UP, CENTRALIZERS
 - VS-100 - 2" ALTA STRAINER Y-STRAINER WRT 600# RF
 - LD-100 - FISHER L2 c/w VERTICAL DISPLAYER
 - LO-100/101 - QUESTECH, TRANSPARENT 511M, SOUR
 - c/w 1-3-WAYES
 - LCV-100 - FISHER D3 2'-600# FC 6-30 PSI 1" TRIM SOUR
 - TI-100 - 40-160 3" DIA DS x 4" STEM c/w 3/4"x1/2"x4"
 - 316 TW
 - PI-100/07 - 0-1500 PSI 4" FACE BU, LF, PS, SST IN/OUT
 - WESTERN
 - PSV-100 - FARRIS 2'-600# x 3'-150# SET @ 1440 PSI SOUR
 - FE-100 - 3'-600# DANIEL SR ADA 3C 2000 c/w VALVE
 - 62 1/2" FF SOUR
 - FR/FR/TR-100 - BAYLON 3 PEN 100" MC x 1500 PSI STATIC
 - PSV-400/01/02 - FISHER 67 CFR 0-35 PSI OUT PUT
 - FT-101 - ALLOT 4057 CP
 - SSHV-101 - ALLOT 4057 CP
 - TRIM c/w ACTUATOR ELOMATIC ES0350.02002A.27K2
 - (FRL CLOSE)
 - ESDV-102 - ELOMATIC 2" RP 600# NUTRON, 316 SST NACE
 - TRIM c/w ACTUATOR ELOMATIC ES0350.02002A.27K2
 - (FRL OPEN)
 - LSHV-100 - LINC 2" SST HIGH LEVEL PNEUMATIC
 - PSH-100 - CWS 7690 HIGH PRESSURE SWITCH 316 SST 1/2"
 - PROCESS CONNECTION
 - PSHH-100 - FISHER 4660 HI PRESSURE SHUT DOWN
 - SET POINT TBO
 - ESDV-100 - 4" 600# RP SOUR SERVICE BALL VALVE c/w
 - FRL CLOSE ACTUATOR ELOMATIC
 - ES1600.02002A.46K2

APPROVED FOR CONSTRUCTION

DATE: JUL 11 2007

SIGNED: _____

SHOP FOREMAN

- NOTES:**
- THREAD FITTINGS 3000#
 - WELDED PIPE SCH 80 SA-105N
 - TUBING 316 SST WELDED
 - LAMP FITTINGS 316 SST PARKER
 - RAN NIPPLES ON THREADED VESSEL AND SOUR PROCESS
 - PIPING CONNECTIONS 1/2" - 1 1/2"

REV	DESCRIPTION	DATE	BY	CHKD	APPD
0	ISSUED FOR CONSTRUCTION	07/07/11	RMS	RMS	
1	MODIFIED AS PER MARK-UP	07/06/06	SL	RMS	
2	ISSUED FOR APPROVAL	07/06/27	SL	RMS	
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PLATINUM Energy Services Corp.
CALGARY, ALBERTA

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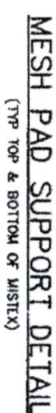
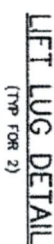
ENGINEER'S STAMP

CHNGD BY	SL	07/06/26
APPD BY	RMS	07/06/26
SCALE	NTS	

TITLE

36"x10" 1440 Psi 2PH SOUR TEST HEADER PKG
PIPING AND INSTRUMENTATION DIAGRAM

JOB NO. 17282 **DRAWING NO.** 17282-PID-01 **REV** 0



SHOP

- GENERAL NOTES:**
1. VESSEL VOLUME = 64 cuft (1.83 cuM)
 2. VESSEL WEIGHT EMPTY = 6,666 lb (3,032 kg)
 3. VESSEL WEIGHT FULL OF WATER = 12,724 lbs (5,772 kg)
 4. APPROVED WELDING PROCEDURE 1863.2
 5. REGISTERED QUALITY CONTROL PROGRAM ACP 1064(S)
 6. WELD PROCEDURES : FOR PMW VESSEL USE PES-WPS-19A/PES-WPS-02
 7. RADIOS ALL OPENINGS 3mm [0.125"]
 8. FOR NON PRESSURE RETAINING WELDS USE PES-WPS-19A (PMWT)
 9. ALL WELD JOINTS TO STRADDLE CENTRE LINES - UNLESS NOTED OTHERWISE
 10. ALL BOLT HOLES TO STRADDLE CENTRE LINES - UNLESS NOTED OTHERWISE
 11. ALL BOLT HOLES TO BE 1/8" UNLESS NOTED OTHERWISE
 12. FABRICATION TOLERANCES SHALL BE AS PER PLATINUM
 13. "STANDARD FABRICATION TOLERANCES" UNLESS OTHERWISE NOTED
 14. EXTERNAL LOADS ARE NOT APPLICABLE PER UW-22
 15. MFR TO BE PROVIDED FOR ALL PRESSURE RETAINING PARTS
 16. FINISHED OPENING OF 2" 3000°F TO NOT EXCEED 2 1/8"
 17. FOR ALL TACK WELDS USE PES-WPS-02 (PMWT)

BILL OF MATERIAL			
ITEM	QTY REQD	DESCRIPTION	
1	1	SHELL, 36"OD x 1.5" WT x 10'-0"LG	- SAG516-70N
2	2	HEADS, 36"OD, 1.5" NOM (1.375" MIN) 215E 2"SF	- SAG516-70N
3	3	SKRT, 36" OD ROLLED PLATE x .250" WT x 24"LG (CTS)	- SAG516-70N
4	1	BASE PLATE, 1/2" PLATE, 42" OD x 33 1/4" ID	- SA-36/44W
5	1	FLANGE, 6' 600# RTNWN OVAL=10 9/16" (11 CTS)	- SA105N
6	1	FLANGE, 6' 600# RTNWN OVAL=10 3/16" (11 CTS)	- N2 SA105N
7	4	FLANGE, 2' 600# RTNWN OVAL=7 15/16" (8 CTS)	- N3,N4,N7,N9 SA105N
8	5	10L, 3/4" 600# NPT	- C16/D3,C6/D5 SA105N
9	1	10L, 1/2" 600# NPT	- C2 SA105N
10	1	PIPE, 2" SCH 160 x 15 7/8" Lg	- N11 SA106B
11	1	PE, 2" SCH 160 x 6" Lg (CTS)	- N11 SA106B
12	1	WELD ELBOW, 2" SCH 160, 90 DEG LR	- N11 SA6316-WFB
13	1	PESG HANE PLATE & BROMKET	- SA616-70N
14	1	FLAT SHIELD, 1/4" PLATE 28" x 28" (SEE DETAIL)	- SA616-70N
15	2	PLATE, 3/8"THK x 1" W x 32 7/8" Lg	- SA616-70N
16	4	PLATE, 3/8"THK x 3" W x 27 3/4" Lg	- SA616-70N
17	1	MESH PAD, 4"THK 813 x 33"OD 4" W CS GRID	- 30XSS
18	1	WELD ELBOW, 6" SCH 40, 90 DEG LR	- N1 SA6431-WFB
19	1	FLANGE, 2' 600# RTNWN SCH 160	- N11 SA105N
20	2	LFT UUGS, 3/4" PLATE (SEE DETAIL)	- SA616-70N
21	4	FLANGE, 3' 600# RTNWN OVAL=8 1/32" (9 CTS)	- N5,N6,N8,N10 SA105N

APPROVED FOR CONSTRUCTION

DATE: FEB 21 2007

SIGNED

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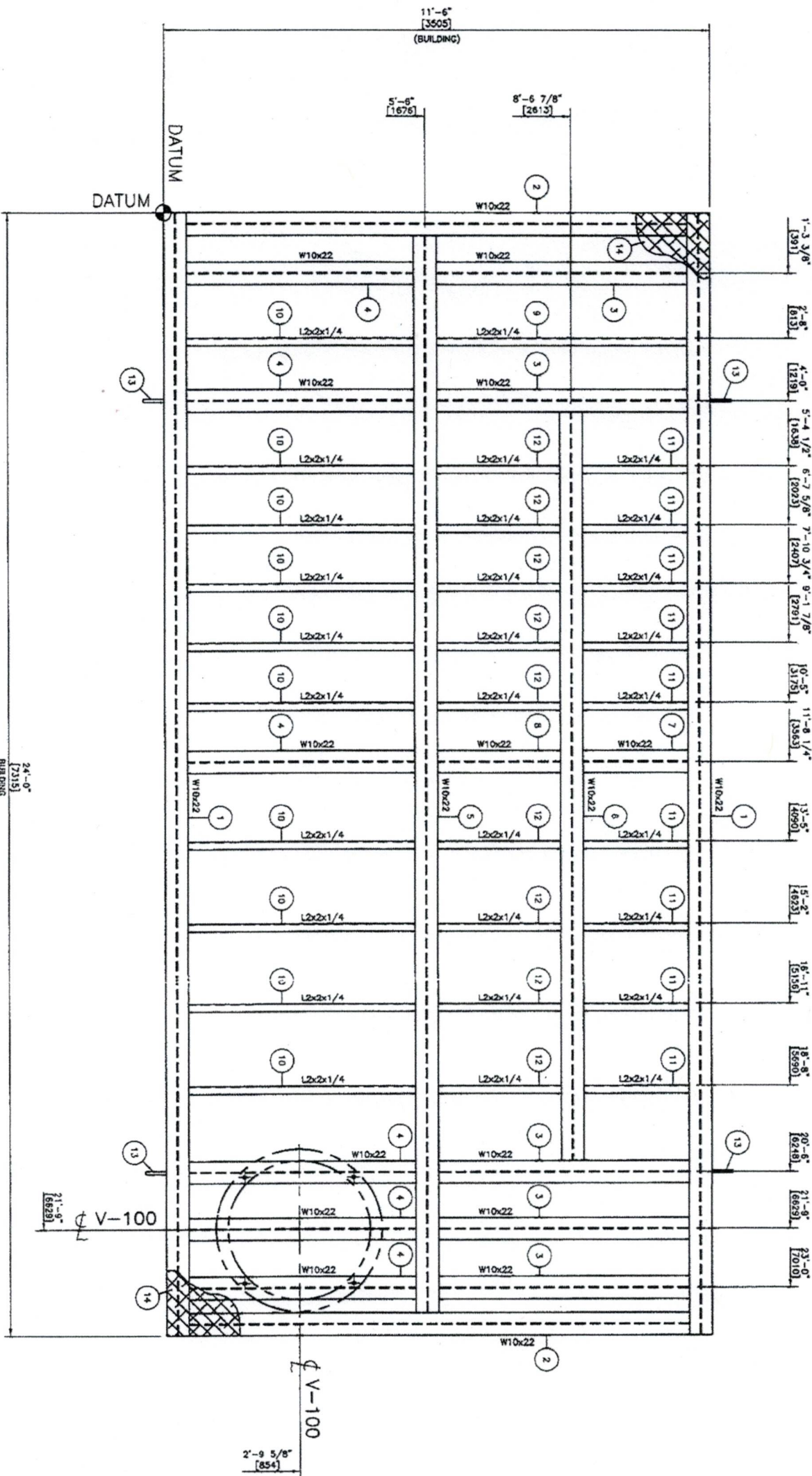
		DESIGN DATA	
E	Design Press. 1440 Psig (9828 kPa)	Serial No.	15735-01
	Design Temp. -20 / 130F (-28.9 / 54C)	CEN No.	U0243.2
	Corrosion Rate 0.1/25' (3mm)	Location	ALBERTA
	Total Press. 1872 Psig (12808 kPa)	ASME Code:	SECTION VIII, DIV. 1, 2004 ED, 2006 ADD.
	X-Ray RTI UM-1(1G)	Paint Spec.	
	Sizes Referd 1125" FOR 1 1/2" HOLES MIN	Exempt From Impact Testing	-60-200(1) - S-KUCS-66(G)&K
	Mkt Material Design Temp. -20F to 1440 Pa N/A -28.9C to 992.8 Pa	API REGISTRATION CODE	
DESIGN BY	BD	01/02/15	
DRAWN BY	CDW	07/02/15	
CHECKED BY	CDW	07/02/15	
APPROVED BY	BD	07/02/15	
			
Energy Services Corp.			

STOCK

36" OD x 10'-0" S/S
1440 PSIG 1/8" CA

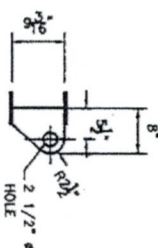
3/4"=1'-0"	15736-YES-01
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BILL OF MATERIAL		
ITEM	DESCRIPTION	QUANTITY
1	W10x22 x 24'-0" Lg	SA16/44W
2	W10x22 x 11'-0" Lg	SA16/44W
3	W10x22 x 5'-8 7/8" Lg	SA16/44W
4	W10x22 x 5'-2 7/8" Lg	SA16/44W
5	W10x22 x 23'-6" Lg	SA16/44W
6	W10x22 x 16'-5 3/4" Lg	SA16/44W
7	W10x22 x 2'-8" Lg	SA16/44W
8	W10x22 x 5'-5/8" Lg	SA16/44W
9	ANGLE: 2 x2 x 1/4 THK x 5'-8 7/8" Lg	SA16/44W
10	ANGLE: 2 x2 x 1/4 THK x 5'-2 7/8" Lg	SA16/44W
11	ANGLE: 2 x2 x 1/4 THK x 2'-8" Lg	SA16/44W
12	ANGLE: 2 x2 x 1/4 THK x 5'-5/8" Lg	SA16/44W
13	4. LIFT LUG: 3/4" PLATE (SEE DETAIL)	SA16/44W
14	276 Sq Ft. 3/16" CHECKERPLATE	G4021

* ALL BOM ITEMS DO NOT INCLUDE WELD GAP (SHOP CTS)



LIFT LUG DETAIL
(4 REQUIRED)

SHOP FOREMAN

APPROVED FOR
CONSTRUCTION
DATE: JUL 09 2007
SIGNED: [Signature]

NOTES:	
1. SOLID FRAMING SHALL BE OF SOLID WELDED CONSTRUCTION, MINIMUM CORNERS AND ALL JOINTS TO BE WELDED. CORNERS AND JOINTS TO BE WELDED TO BE ON BOTTOM OF SHIP.	
2. ALL WELDS TO BE: GROUND FLUSH ON BOTTOM OF SHIP.	
3. CHECKER PLATE SEAM: CONTINUOUS SEAL WELD ON TOP SIDE.	
4. SURFACE PREP: SSPC-SP-3.	
5. FINISH: ONE SHOP COAT OF INDUSTRIAL ENAMEL.	
6. OVERALL DIMENSIONS: 11'-6" x 24'-0" (3,505mm x 7,315mm)	
WEIGHT: 7,451 lbs (3,380 kgs)	
17282-GA-02	GENERAL ARRANGEMENT - SECTION
17282-GA-01	GENERAL ARRANGEMENT - PLAN
17282-PB-01	PIPING & INSTRUMENTATION DIAGRAM
REV	DESCRIPTION
0	ISSUED FOR CONSTRUCTION
BY	DATE
SL	07/07/09
RMS	RMS
APPD	APPD
ENGINEER'S STAMP	
DRAWN BY	SL
07/07/06	
APPD BY	RMS
07/07/09	
SCALE	3/4"=1'-0"
CAD FILE	SKD-01.dwg
CLIENT	
36"x10' 1440 Psi 2PH SOUR TEST HEADER PKG	
STRUCTURAL STEEL - PLAN	
JOB NO.	17282
DRAWING NO.	17282-SKD-01
REV	0

PLATINUM
Energy Services Corp.
CALGARY, ALBERTA

TITLE: 36"x10' 1440 Psi 2PH SOUR TEST HEADER PKG
STRUCTURAL STEEL - PLAN

JOB NO. 17282
DRAWING NO. 17282-SKD-01
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