

BMC-100
BURNER MANAGEMENT SYSTEM
MODEL NO: ACL 5500
24 VDC

H-200
LINE HEATER
MFR: NWP INDUSTRIES
SIZE: 72" x 24" S/S
DUTY: 3.0 MMBTU/HR

PS-100
COIL A
MFR: NWP INDUSTRIES
MAWP: 5171 PSIG @ 200°F
XRAY: 100%
FWHT: YES
CA: 1/16", CRN: P9407.231

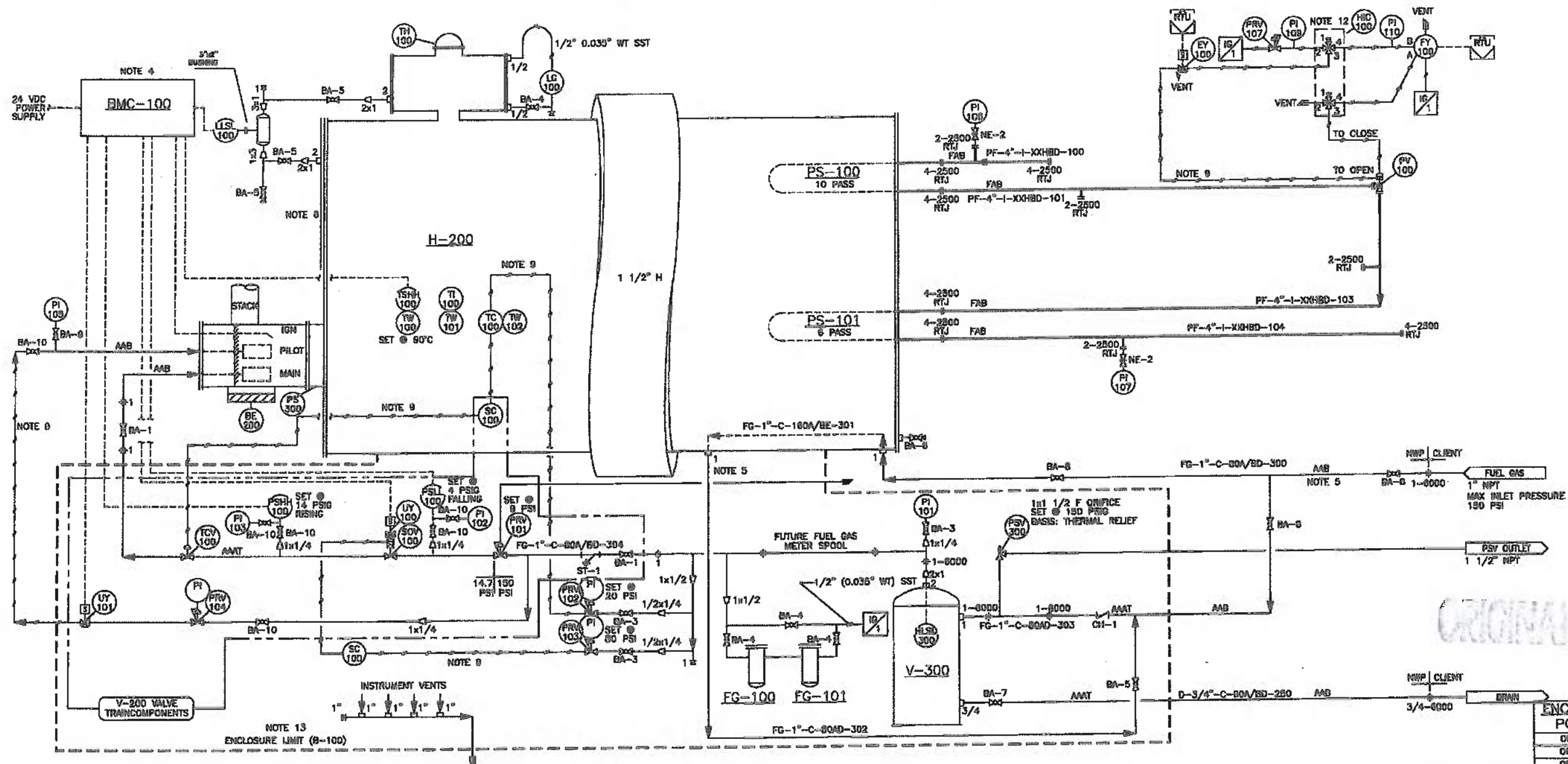
PS-101
COIL B
MFR: NWP INDUSTRIES
MAWP: 5171 PSIG @ 200°F
XRAY: 100%
FWHT: YES
CA: 1/16", CRN: P9407.231

PV-100
CHOKE VALVE
MFR: MASTERFLO
MIL NO: P3E
SIZE: 4" 2500# INLET x 4" 2500# OUTLET
TRM: TUNGSTEN CARBIDE
CUSTOMER SUPPLIED

V-300
FUEL GAS SCRUBBER
MFR: NWP INDUSTRIES
SIZE: 60 5/8" x 23" S/S
MAWP: 265 PSIG @ 100°F
CRN: CH09319.213

FG-100
FUEL GAS FILTER
MFR: HEADLINE
MODEL NO: 355A-70C
MAWP 500 PSIG

FG-101
FUEL GAS FILTER
MFR: HEADLINE
MODEL NO: 370A-70C
MAWP 500 PSIG



ORIGINAL

ENCANA PO
P044501
08806-001
08806-002
08806-003
08806-004

DOCUMENT NO	DESCRIPTION	REV	DATE	BY	CHK	APP
08562-6	BATH ASSEMBLY					
08562-4	COIL ASSEMBLY					
08562-3	SKID ASSEMBLY					
08562-2B	PIPING ASSEMBLY					
08562-2A	WELDED PIPING	0	MAY 22/13	EP		
0806-001-004-G-001	GENERAL ARRANGEMENT	A	05/10/13	EP		
REFERENCE DRAWINGS						
DRAWING REVISIONS						

AS BUILT

ISSUED FOR CONSTRUCTION
SIGNED: *[Signature]*
DATE: JUN 13 2013
W.C. 08806-002
S.O. 08806-002
ALL DIMENSIONS IN INCHES



P.O. BOX 6280, INNISFAIR AB T4G 1S9
PH: (403) 227-4100 FAX: (403) 227-4102

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ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU/HR
C/W 4" 2500# RTJ SPLIT COILS
PIPING AND INSTRUMENTATION DIAGRAM
DWN: EP
CHK: *[Signature]*
APP: *[Signature]*
DATE: 05/10/13
DATE: JUN 04 2013
DATE: JUN 04 2013
SCALE: NTS
SHEET: 1 OF 2
DWG: 08806-001-004-P-001
REV: 0

1. PIPE SUPPORTS WHERE REQUIRED.
2. SHIP LOOSE ITEMS TO BE BOXED AND SEALED PRIOR TO SHIPMENT.
3. PLUG ALL OUTLETS PRIOR TO SHIPMENT.
4. BMC WIRED BY NWP.
5. FUEL GAS SYSTEM DESIGNED FOR SWEET GAS ONLY.
6. REMOVABLE COIL INSPECTION PLATE.
7. 10% XRAY ON NWP MANUFACTURED THREADED PIPING, 100% XRAY ON PSV-300 CONNECTIONS.
8. 3/8" (0.065" WT) SS TUBING.
9. 3/8" (0.035" WT) SS TUBING.
10. AIR TEST TO 75 PSI AND ALL PNEUMATIC INSTRUMENTS TO BE TESTED AS PER ABB-522.
11. BUILT TO FOLLOWING ENCAPA SPECS: PIPING MATERIAL -
ECA-PVF-5-03
12. TUBING CONFIGURATION SHOWN IN AUTO POSITION.
13. PORTION OF LINEHEATER SHELL INSIDE INSTRUMENT ENCLOSURE NOT BE INSULATED.

	MAJOR PROCESS LINE
	UTILITY LINE
	BUILDING LIMITS
	PROCESS/UTILITY TUBING LINE
	INSTRUMENT PNEUMATIC LINE
	INSTRUMENT CAPILLARY LINE
	ELECTRICAL DATALINK LINE
	ELECTRICAL CONNECTION LINE
	BALL VALVE
	GLOBE VALVE
	GATE VALVE
	CHECK VALVE
	PLUG VALVE
	NEEDLE VALVE
	STRAIGHT CHOKE VALVE
	SOCKET WELD VALVE
	RUPTURE VALVE
	SOLENOID VALVE
	BUTTERFLY VALVE
	3-WAY VALVE
	4-WAY VALVE
	DIAPHRAGM ACTUATED CONTROL VALVE
	PRESSURE REGULATOR
	3-WAY DIAPHRAGM CONTROL VALVE

```

      XX-X"-X-XXXX-XXX
      |
CONDENSATE - C
DRAIN      - D
FUEL GAS   - FG
LIQUID     - L
LEAN GLYCOL - LG
METHANOL  - M
OIL        - O
PROCESS FLUID - PF
PROCESS GAS - PG
PRESSURE RELIEF - PR
RICH GLYCOL - RG
WATER     - W

NOMINAL PIPE SIZE

CLASS 2000 THREADED - A
CLASS 3000 THREADED - B
CLASS 6000 THREADED - C
150 ANSI FLANGED - D
300 ANSI FLANGED - E
600 ANSI FLANGED - F
900 ANSI FLANGED - G
1500 ANSI FLANGED - H
2500 ANSI FLANGED - I

100-199 MAJOR PROCESS FLUIDS
200-240 MINOR PROCESS FLUIDS
250-299 RELIEF, DRAINS
300-399 UTILITY VAPOURS
400-499 UTILITY LIQUIDS

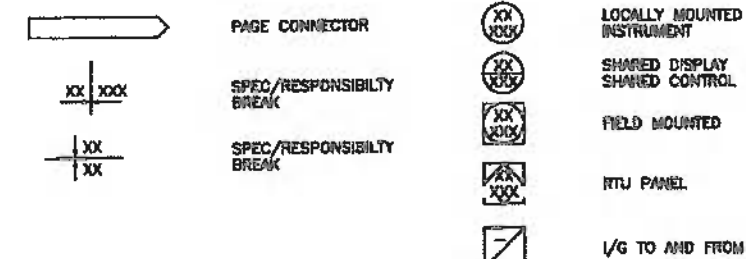
INSTRUMENT TUBING
A - GALVANIZED TUBING w/ CS FITTINGS
B - 304 SS TUBING w/ CS FITTINGS
C - 304 SS TUBING w/ 316 SS FITTINGS
D - 316 SS TUBING w/ 316 SS FITTINGS
E - NOT APPLICABLE

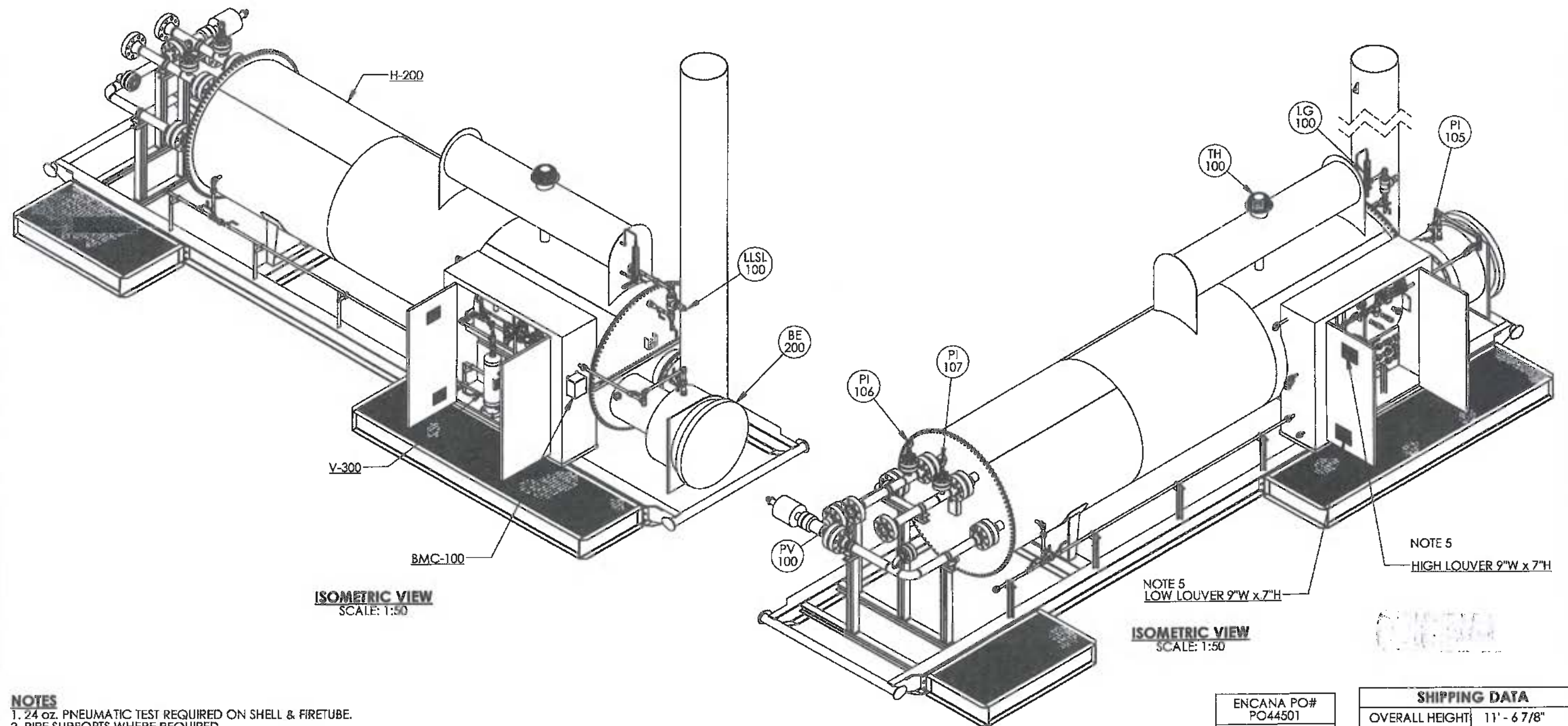
PIPE GRADE
A - SA-106B
B - SA-333 GR.6

PIPE SCHEDULE
  
```

XX-X
 BALL VALVE - BA
 NEEDLE VALVE - NE
 GLOBE VALVE - GL
 CHECK VALVE - CH
 GATE VALVE - GA
 BUTTERFLY VALVE - BU

START WITH 1

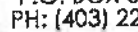
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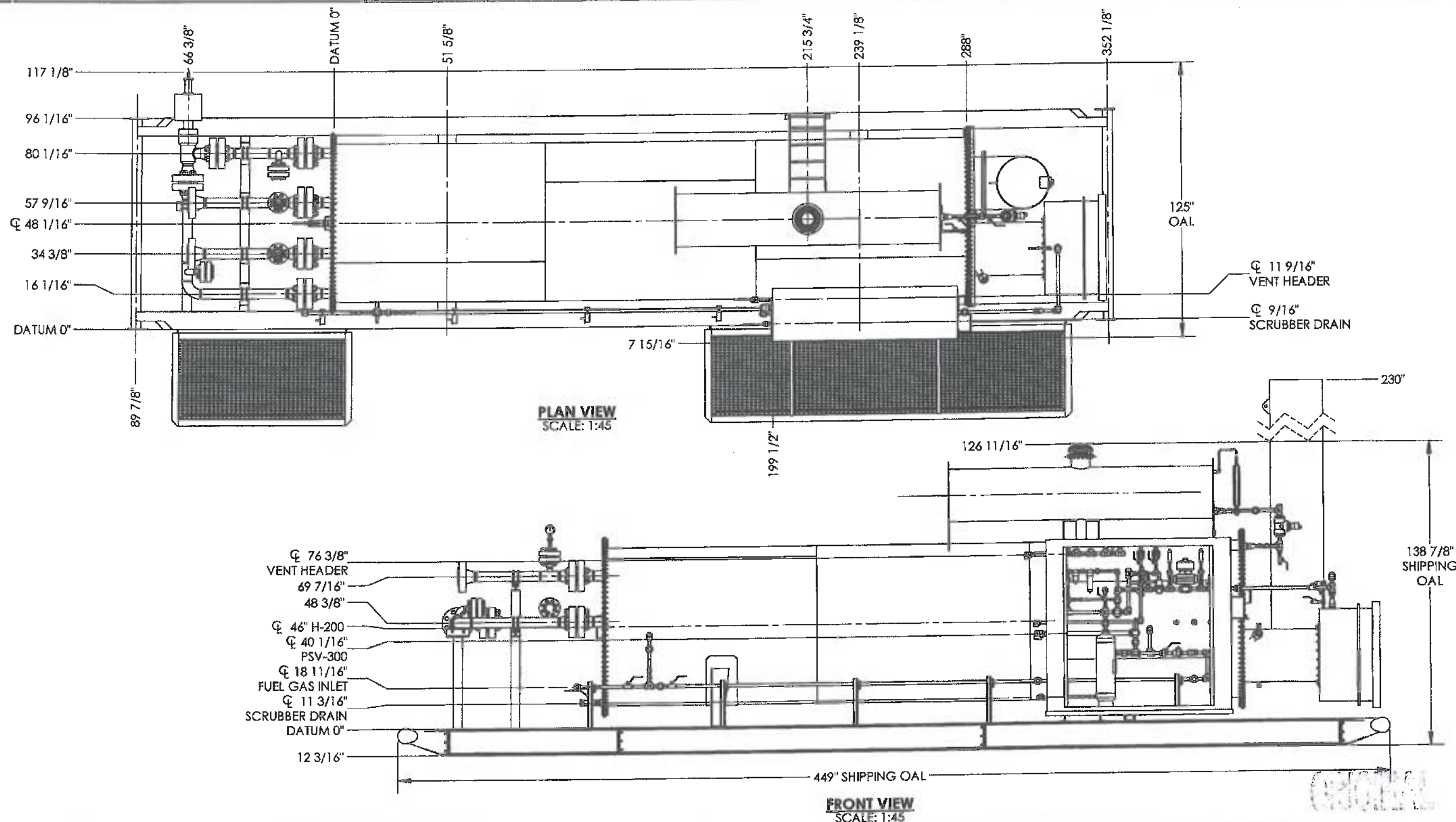


NOTES

1. 24 oz. PNEUMATIC TEST REQUIRED ON SHELL & FIRETUBE.
2. PIPE SUPPORTS WHERE REQUIRED.
3. SHIP LOOSE ITEMS TO BE BOXED AND SEALED PRIOR TO SHIPMENT.
4. PLUG ALL OUTLETS PRIOR TO SHIPMENT.
5. LOUVERS MUST BE LOCATED AS SHOWN IN THIS ORIENTATION.
6. HEAT MEDIUM APPROXIMATE VOLUME IS 470 CU FT.

ENCANA PO#		SHIPPING DATA	
PO44501		OVERALL HEIGHT	11' - 6 7/8"
08806-001		OVERALL LENGTH	37' - 5"
08806-002		OVERALL WIDTH	10' - 5"
08806-003		APPROX. WEIGHT	33200 BLS
08806-004			

LH-FIRSTK-24-2	WELDED FIRETUBE / STACK ASSEMBLY	AS BUILT					ISSUED FOR CONSTRUCTION		 INDUSTRIES INC. Total oilfield supply. P.O. BOX 6280, INNISFAIL, AB T4G 1S9 PH: (403) 227-4100 FAX: (403) 227-4102  AS NOTED	ENCANA CORPORATION LINEHEATER PACKAGE 3.0 MMBTU c/w 4" 2500# RTJ SPLIT COILS GENERAL ARRANGEMENT					
08562-6	BATH ASSEMBLY						SIGNED: 			DATE: JUN 18 2013		DATE: MAY 16/13		DATE: JUN 04 2013	
08562-4	COIL ASSEMBLY						W.O. # 8806-002			S/N: NWP-08806-002		SCALE: 1 OF 3		08806-001-004-G-001	
08562-3	SKID ASSEMBLY						0 MAY 22/13 VW   ISSUED FOR CONSTRUCTION			A MAY 16/13 VW ISSUED FOR APPROVAL		REV. DATE BY: CHK: APP: DESCRIPTION		REV. 0	
08562-2B	PIPING ASSEMBLY						0 MAY 22/13 VW   ISSUED FOR CONSTRUCTION			A MAY 16/13 VW ISSUED FOR APPROVAL		REV. DATE BY: CHK: APP: DESCRIPTION		REV. 0	
08562-2A	WELDED PIPING						W.O. # 8806-002		SCALE: 1 OF 3		08806-001-004-G-001				
08806-001-004-P-001	P&ID						S/N: NWP-08806-002		SCALE: 1 OF 3		08806-001-004-G-001				
DOCUMENT NO.	DESCRIPTION						ALL DIMENSIONS IN INCHES		SCALE: 1 OF 3		08806-001-004-G-001				
REFERENCE DRAWINGS		DRAWING REVISIONS					ALL DIMENSIONS IN INCHES		SCALE: 1 OF 3		08806-001-004-G-001				



LH-FIRSTIK-24-2	WELDED FIRETUBE / STACK ASSEMBLY
08562-6	BATH ASSEMBLY
08562-4	COIL ASSEMBLY
08562-3	SKID ASSEMBLY
08562-2B	PIPING ASSEMBLY
08562-2A	WELDED PIPING
08806-001-004-P-001	P&ID
DOCUMENT NO.	DESCRIPTION
REFERENCE DRAWINGS	

AS BUILT					
REV.	DATE	BY:	CHK:	APP:	DESCRIPTION
0	MAY 22/13	VW	☒	☒	ISSUED FOR CONSTRUCTION
A	MAY 16/13	VW			ISSUED FOR APPROVAL
DRAWING REVISIONS					

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]*

DATE: JUN 18 2013

W: 8806-002

S/N: *[Handwritten]*

ALL DIMENSIONS IN INCHES

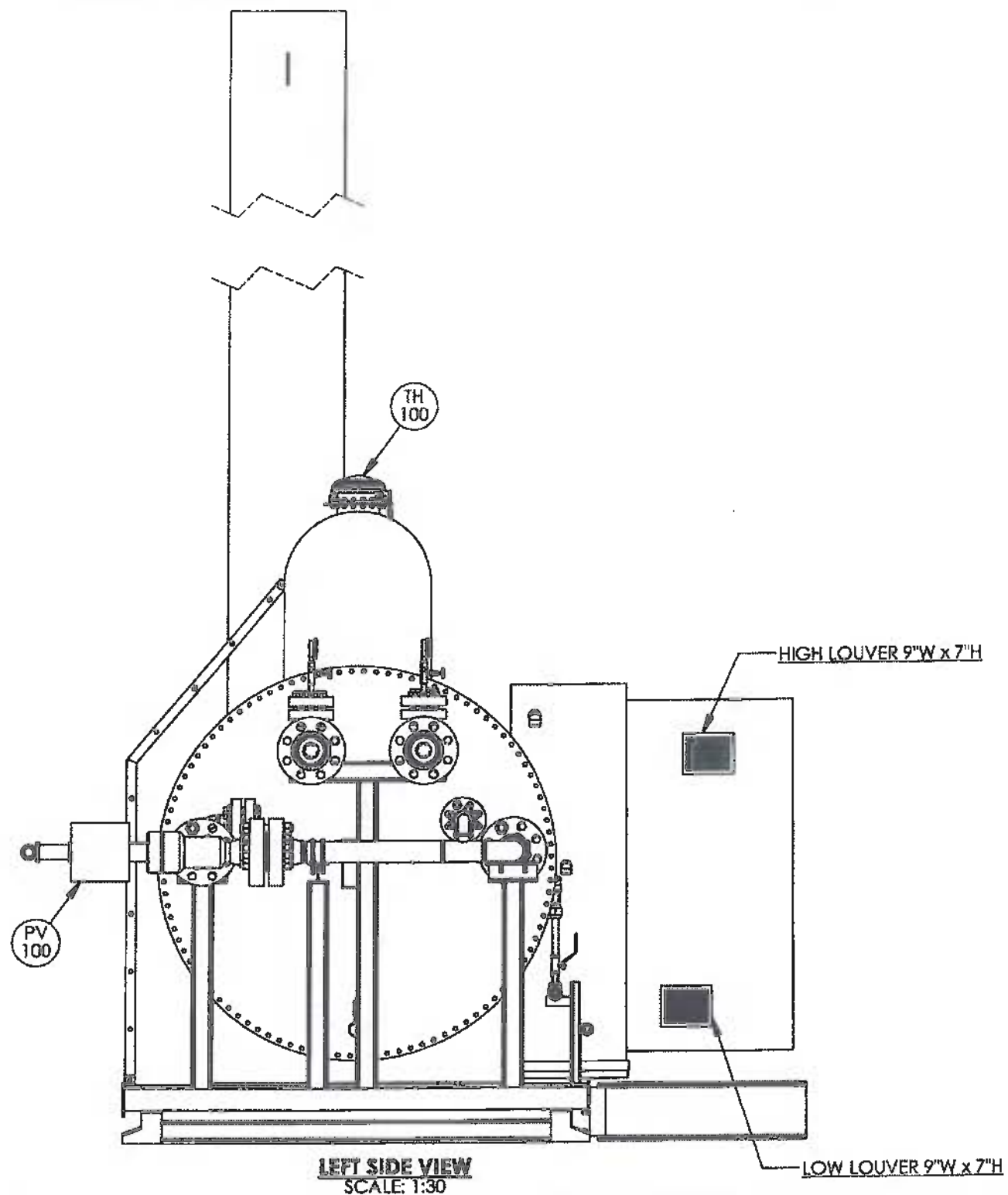
NWP
INDUSTRIES INC.
Total oilfield supply.

P.O. BOX 6280, INNISFAIL, AB T4G 1S9
PH: (403) 227-4100 FAX: (403) 227-4102

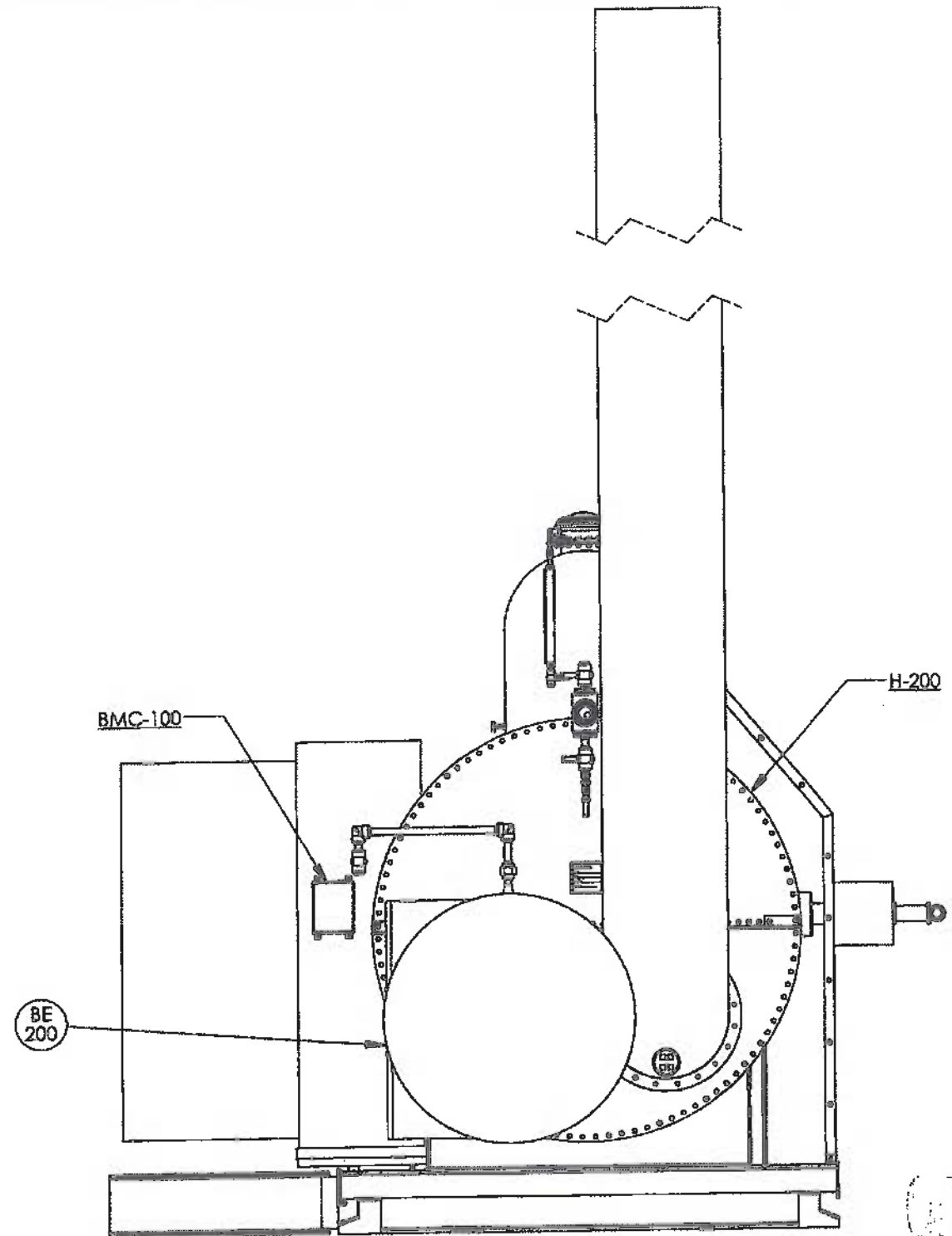
SCALE: AS NOTED

ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU
c/w 4" -2500# RTJ SPLIT COILS
GENERAL ARRANGEMENT

DATE: MAY 16/13	DATE: JUN 04 2013	DATE: JUN 04 2013
REV: 2 OF 3	08806-001-004-G-001	0



LEFT SIDE VIEW
SCALE: 1:30



RIGHT SIDE VIEW
SCALE: 1:30

LH-FIRSTK-24-2	WELDED FIRETUBE / STACK ASSEMBLY
08562-6	BATH ASSEMBLY
08562-4	COIL ASSEMBLY
08562-3	SKID ASSEMBLY
08562-2B	PIPING ASSEMBLY
08562-2A	WELDED PIPING
08806-001-004-P-001	P&ID

DOCUMENT NO.	DESCRIPTION
08806-001-004-P-001	P&ID

AS BUILT					
REV.	DATE	BY:	CHK:	APP:	DESCRIPTION
0	MAY 22/13	VW			ISSUED FOR CONSTRUCTION
A	MAY 16/13	VW			ISSUED FOR APPROVAL

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]*

DATE: JUN 18 2013

W.O. 8806-002

S/N: NWP-08806-002

ALL DIMENSIONS IN INCHES

NWP
INDUSTRIES INC.
Total oilfield supply.

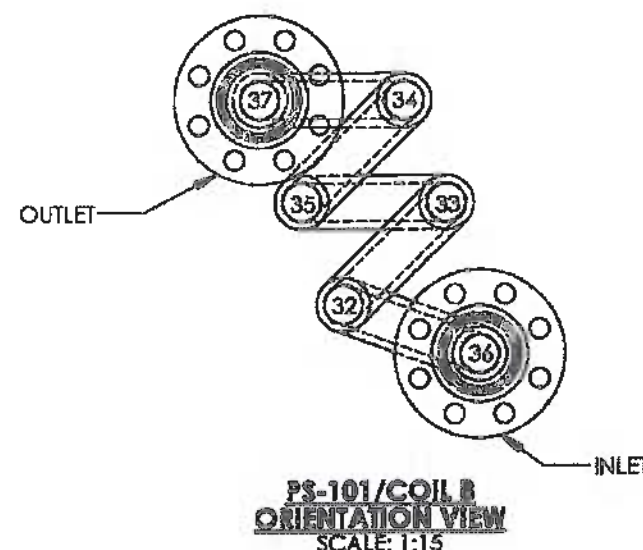
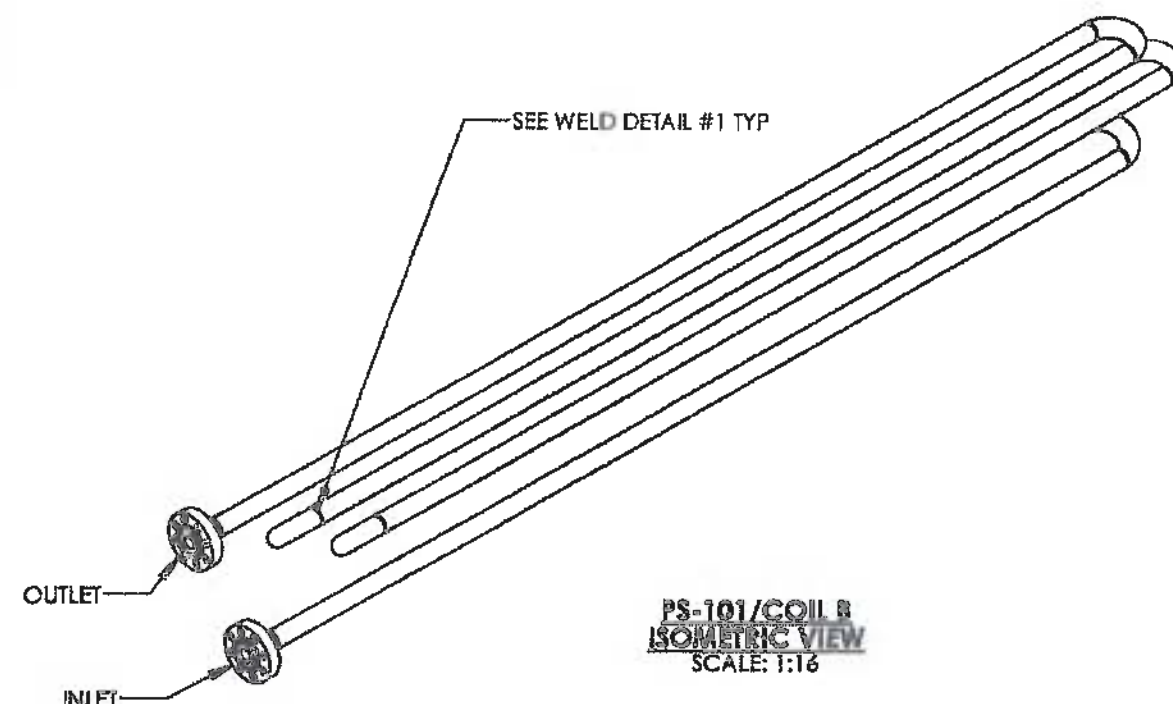
P.O. BOX 6280, INNISFAIL, AB T4G 1S9
PH: (403) 227-4100 FAX: (403) 227-4102

SCALE: AS NOTED

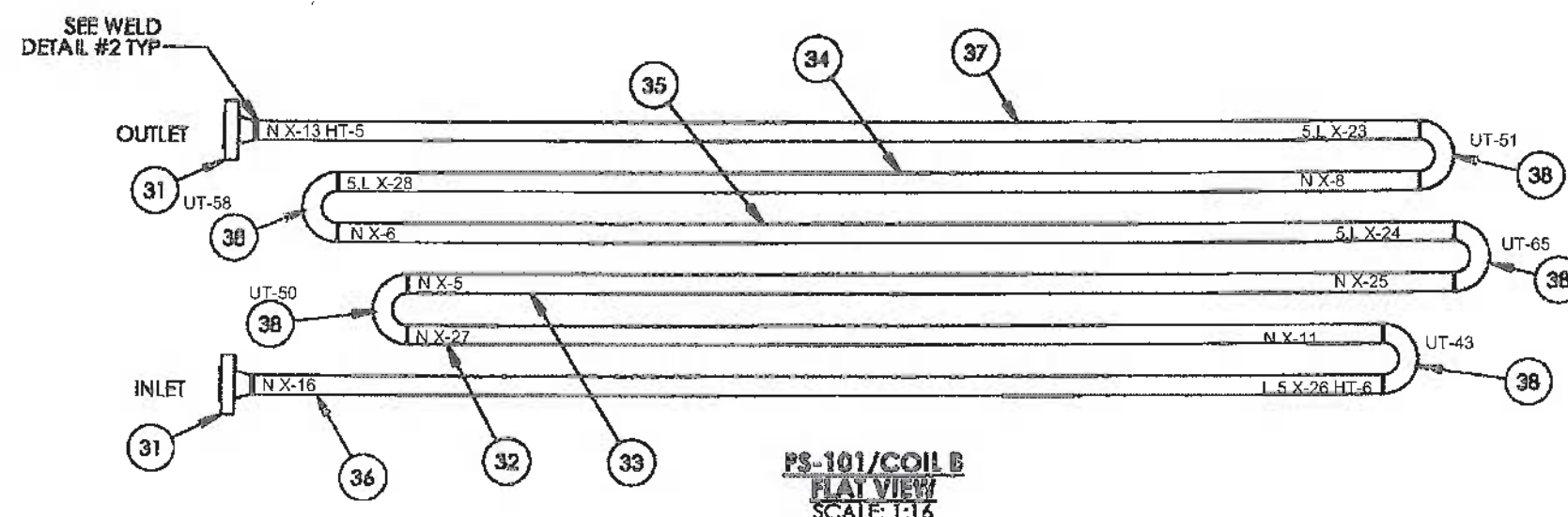
ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU
c/w 4" -2500# RTJ SPLIT COILS
GENERAL ARRANGEMENT

DWN: VW	CHK: <i>[Signature]</i>	APP: <i>[Signature]</i>
DATE: MAY 16/13	DATE: JUN 04 2013	DATE: JUN 04 2013
SHEET: 3 OF 3	DWS: 08806-001-004-G-001	REV: 0

ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
31	FLA4FXHBF	FLANGE 4" 2500 ANSI SCH XXH RTJWN SA350-LF2-CL1	555295		2
32	PIP4XXHB	PIPE 4" SCH. XXH SA333-GR6	1223806	226 1/2"	1
33	PIP4XXHB	PIPE 4" SCH. XXH SA333-GR6	1223806	243"	1
34	PIP4XXHB	PIPE 4" SCH. XXH SA333-GR6	1212575	251 1/4"	1
35	PIP4XXHB	PIPE 4" SCH. XXH SA333-GR6	1223806	259 1/2"	1
36	PIP4XXHB	PIPE 4" SCH. XXH SA333-GR6	1212575	262 3/16"	1
37	PIP4XXHB	PIPE 4" SCH. XXH SA333-GR6	1212575	270 7/16"	1
38	RET4LXXHGD	Return 180 Deg 4" LR 5/XXH BW SA420WPL6	110536		5



ORIGINAL



WELD SEQUENCE
37
34
35
33
32
36

PS-101/COIL B DESIGN DATA	
DESIGN AND FABRICATE TO:	ANSI/ASME B31.3 NFS 2010 EDITION
CLIENT SPECIFICATION:	ECA-PVF-S-03 REV 0 SPEC FAB FAB 0
DESIGN PRESSURE:	5171 PSI
MAX. DESIGN METAL TEMPERATURE:	200°F
MIN. DESIGN METAL TEMPERATURE:	-20°F
IMPACT TEST:	EXEMPT PER TABLE 323.2.2 COLUMN A
RADIOGRAPHY:	100%
OTHER NDE:	SEE NOTE 1
POST WELD HEAT TREATMENT:	1150°F ± 50°F FOR 1 HOUR MIN.
HYDROSTATIC TEST PRESSURE:	7757 PSIG
CORROSION ALLOWANCE:	1/16"
PRE-HEAT:	50°F
WEIGHT EMPTY:	3930 LBS
WEIGHT FULL:	4388 LBS
CAPACITY:	7.4 CU FT
SURFACE AREA:	160 SQ FT
QUALITY CONTROL PROGRAM:	AQP-1253
WELDING PROCEDURE REGISTRATION NO.:	1604.2
WELD PROCEDURES:	NWP-4, NWP-6
SERVICE:	HYDROCARBONS
CRN NO.:	P-9417.213
DESIGN REGISTRATION DRAWINGS:	BDD-400A REV1
REFERENCE CALCULATIONS:	BDD-400A REV4

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP
08562-4	BATH ASSEMBLY					
08562-3	SKID ASSEMBLY					
08562-2B	PIPING ASSEMBLY	0	OCT 22/12	VW		
08562-2A	WELDED PIPING	A	OCT 05/12	VW		

AS BUILT

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]*
DATE: JUN - 1 2013
W: 8806-002-A
S/N: NWP-08806-002-A
ALL DIMENSIONS IN INCHES

NWP
INDUSTRIES INC.
Total oilfield supply.

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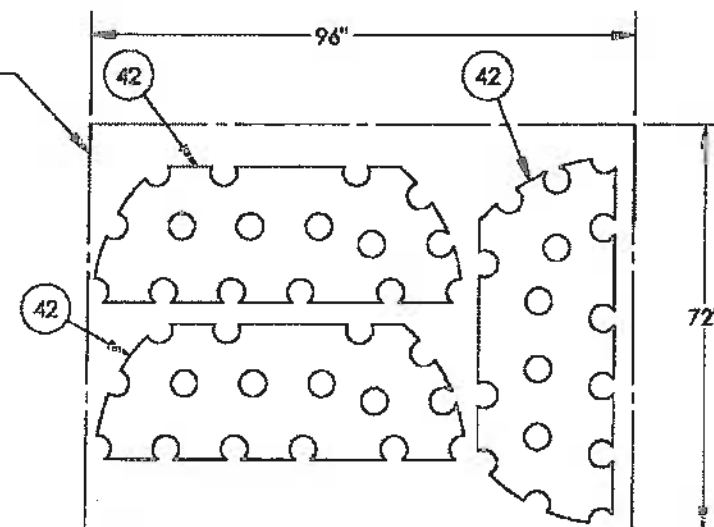
ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU/HR
c/w 4" 2500# RTJ SPLIT COILS
COIL ASSEMBLY

DWN: VW CHK: *[Signature]* APP: *[Signature]*
DATE: OCT 05/12 DATE: OCT 29 2012
SCALE: 1:40
SHEET: 3 OF 4 DWG: 08562-4 REV: 0

08806

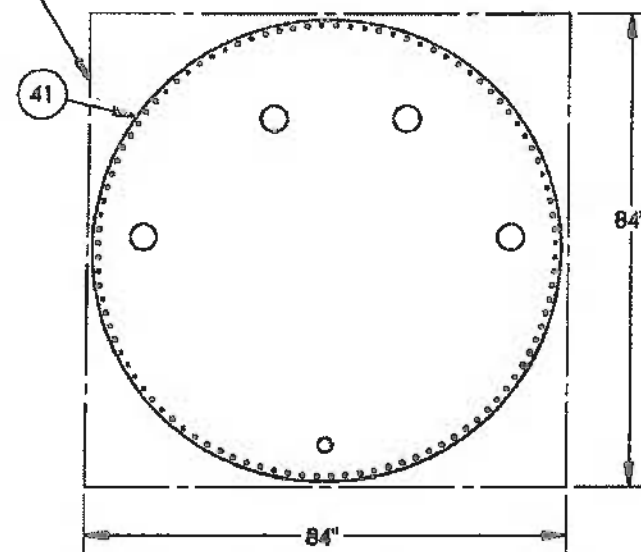
ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
41	PLACB484A	PLATE 3/8" x 84" x 84" SA36/44W		1	1
42	PLAB7296A	PLATE 1/4" x 72" x 96" SA36/44W		.3	3

NESTING PROGRAM
MAY NOT EXACTLY AS SHOWN
1/4" PLATE



NESTING PROGRAM
MAY NOT EXACTLY AS SHOWN
3/8" PLATE

08352 -CNC QTY OF PARTS PER 1/4" SHEET
SCALE: 1:32



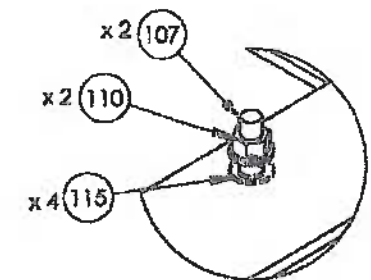
08352 -CNC QTY OF PARTS PER 3/8" SHEET
SCALE: 1:32

ORIGINAL

						AS BUILT		ISSUED FOR CONSTRUCTION SIGNED: <i>[Signature]</i> DATE: JUN 4 2012 W.O. 8806-002-A S/N: NWP-08806-002-A ALL DIMENSIONS IN INCHES		 INDUSTRIES INC. Total oilfield supply. P.O. BOX 6280, INNISFAIR, AB T4G 1S9 PH: (403) 227-4100 FAX: (403) 227-4102		ENCANA CORPORATION LINEHEATER PACKAGE 3.0 MMBTU/HR c/w 4" 2500# RTJ SPLIT COILS COIL ASSEMBLY			
												DWN: VW CHK: <i>[Signature]</i> APP: <i>[Signature]</i> DATE: OCT 05/12 DATE: OCT 23 2012 DATE: 20 2012 SCALE: 1:16 DWG: 08862-4 REV: 0 SHEET: 4 OF 4			
08562-6	BATH ASSEMBLY														
08562-3	SKID ASSEMBLY														
08562-2B	PIPING ASSEMBLY	0	OCT 22/12	VW	2	1	1	1	1	1	1	1	1		
08562-2A	WELDED PIPING	A	OCT 05/12	VW											
DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP									
REFERENCE DRAWINGS															

08806

ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
101	-	SEE ENCLOSURE PLATFORM DETAIL			1
102	-	SEE PIPE SUPPORT CUT LIST			1
103	-	SEE PIPING PLATFORM DETAIL			1
104	-	SEE SKID BASE CUT LIST			1
105	BOL.51.5BAA	BOLT 1/2" x 1 1/2" LG GR. 2 HEX HEAD			8
106	BOL.6251.5AAA	BOLT 5/8" x 2" GR. 8 HEX HEAD			12
107	BOL13AAA	BOLT 1" x 3" LG GR. 8 HEX HEAD			2
108	BUY	NUT 5/8" GR. 8 HEX PLATED			12
109	NUT.5YKAA	NUT 1/2" GR. 5 HEX PLATED			8
110	NUT1YAAA	NUT 1" GR. 8 HEX PLATED			2
111	PLACYA	PLATFORM SKID LUG PLATE 3/8" x 10 7/8" x 3 3/4" SA36/44W			4
112	TEARDROP-2	TEAR DROP FOR ROLL ENDS 3/8" THK SA36/44W			4
113	WAS.5YAYA	FLAT WASHER 1/2" GR. 8 PLATED			16
114	WAS.625YAYA	FLAT WASHER 5/8" GR. 8 PLATED			12
115	WAS1YAYA	FLAT WASHER 1" GR. 8 PLATED			4



ISOMETRIC VIEW
SCALE: 1:40

ORIGINAL

NOTES

APPROX. WEIGHT: 7500 LBS

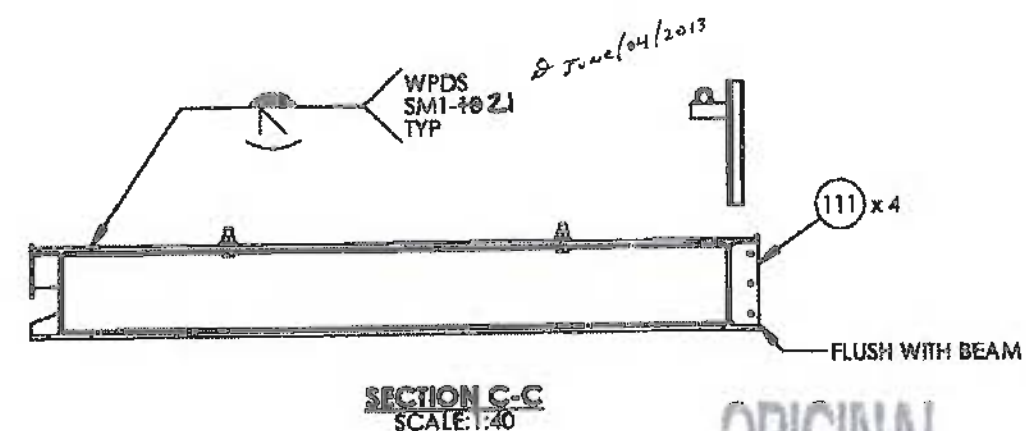
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CONSTRUCTION



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ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU/HR
c/w 4" 2500# RTJ SPLIT COILS
SKID ASSEMBLY

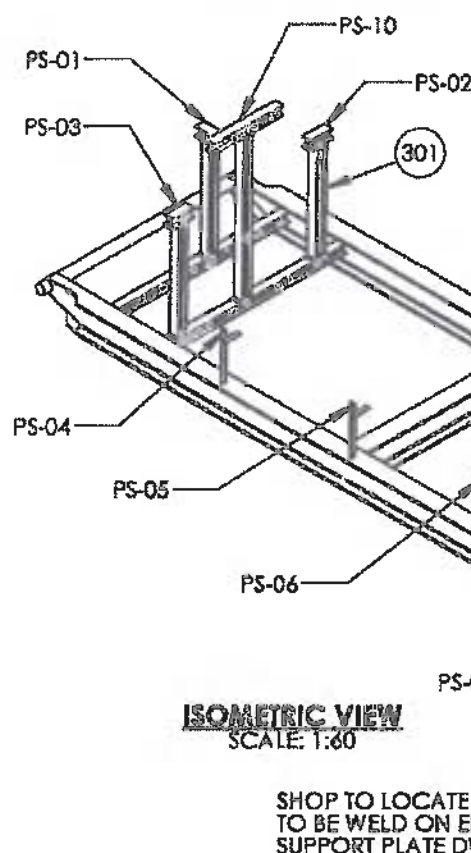
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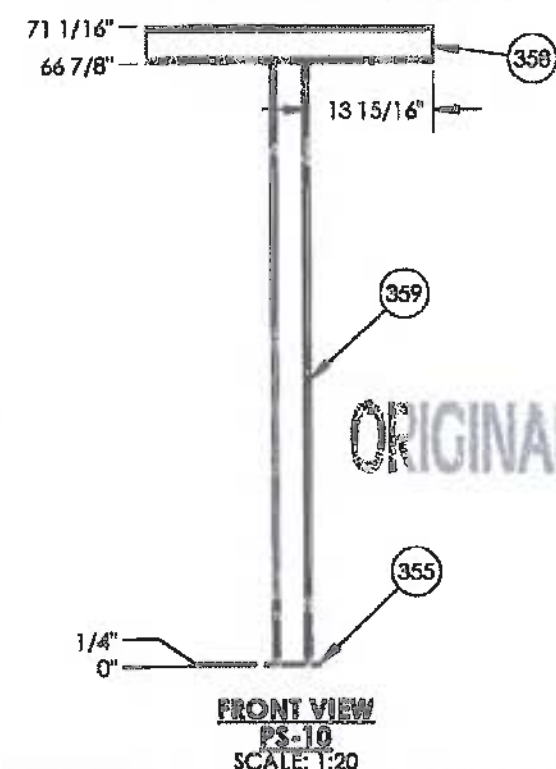
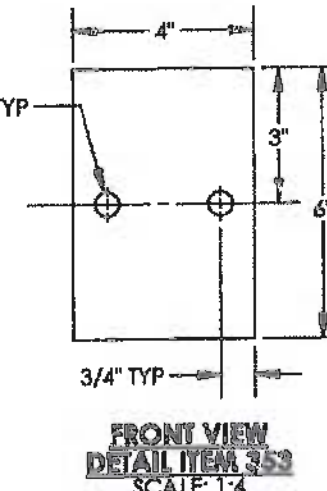
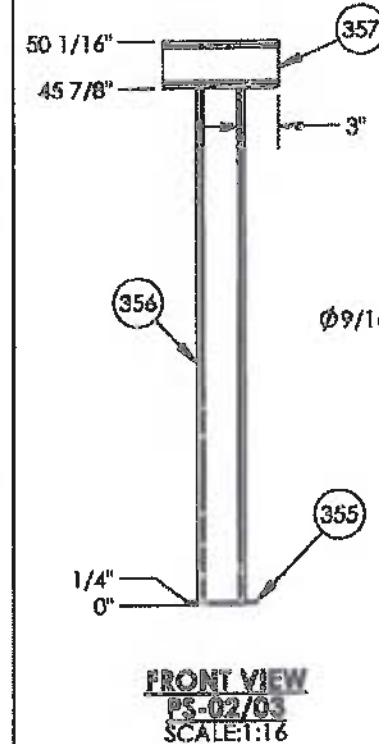
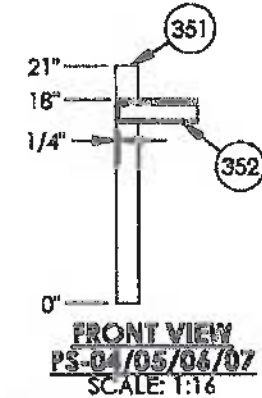
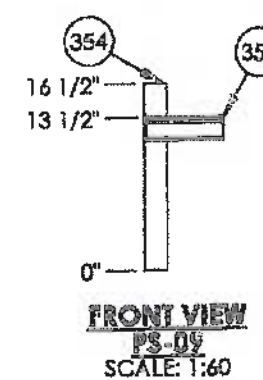
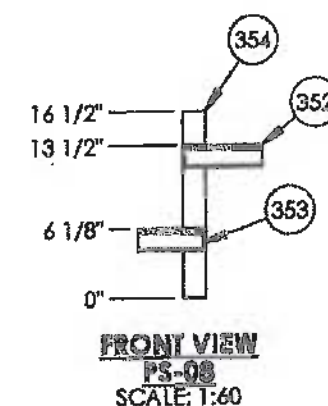
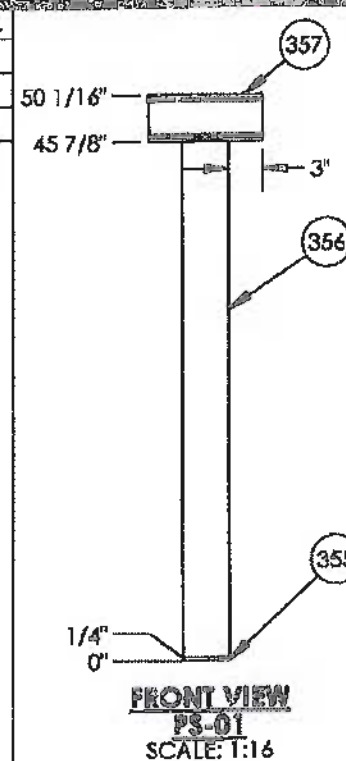
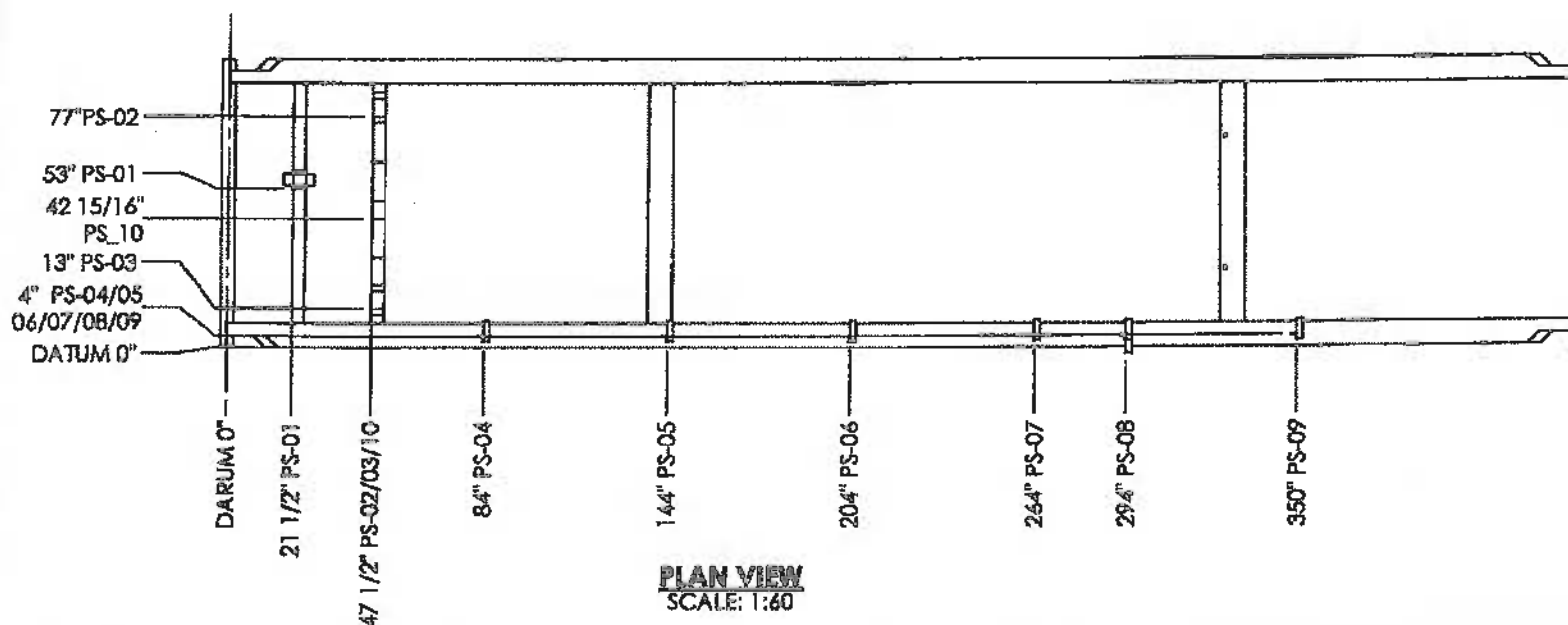
ORIGINAL

ENCANA CORPORATION			
LINEHEATER PACKAGE			
3.0 MMBTU/HR			
c/w 4" 2500# RTJ SPLIT COILS			
SKID ASSEMBLY			
DWN: VW	CHK: <i>g</i>	APP: <i>g</i>	
DATE: OCT 01/12	DATE: <i>NOV 02 2012</i>	DATE: <i>NOV 02 2012</i>	
SCALE: 1:64		DWG: 00562-3	REV: 0
SHEET: 2 OF 7			

0800



ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
301	-	SEE PIPE SUPPORT CUT LIST			1
302	UBO1.375	U-BOLT, 1" x 3/8" c/w 4 NUTS FIG 137			7
303	UBO4.5	U-BOLT 4" x 1/2" c/w 4 NUTS FIG. 137			10



DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP
LH-FIRSTK-24-2	LINEHEATER FIRETUBE/STACK ASSEMBLY					
LH-LAD-72	LINEHEATER SKID LADDER ASSEMBLY					
LH-PH-7224-1	LINEHEATER PREHEAT PIPING	0	OCT 31/12	VW		ISSUED FOR CONSTRUCTION
08562-6	LINEHEATER PACKAGE BATH ASSEMBLY	A	OCT 01/12	VW		ISSUED FOR APPROVAL

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]*

DATE: JUN - 5 2013

8806-002-C

S/N:

ALL DIMENSIONS IN INCHES

NWP
INDUSTRIES INC.
Total oilfield supply.

P.O. BOX 6280, INNISFAIR, AB T4G 1S9
PH: (403) 227-4100 FAX: (403) 227-4102

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THIS DRAWING MUST BE RETURNED UPON REQUEST.

ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU/HR
c/w 4" 2500# RTJ SPLIT COILS
SKID ASSEMBLY

DWN: VW CHK: *[Signature]* APP: *[Signature]*

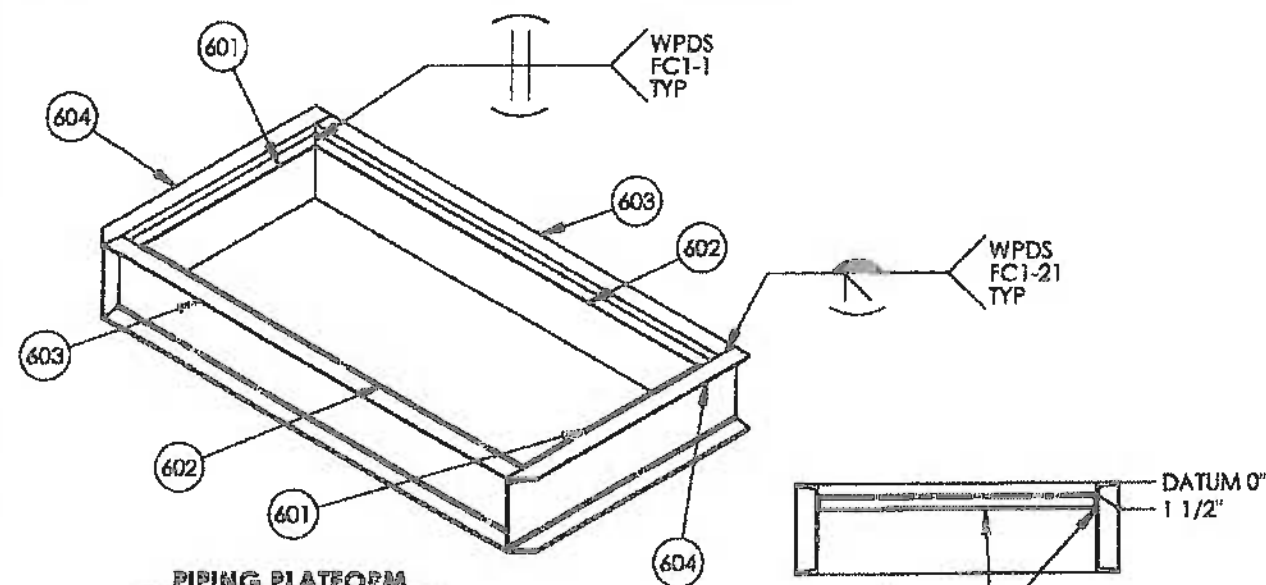
DATE: OCT 01/12 DATE: NOV 02 2013 DATE: NOV 02 2012

SCALE: 1:60 DWG: 08562-6 REV: 0

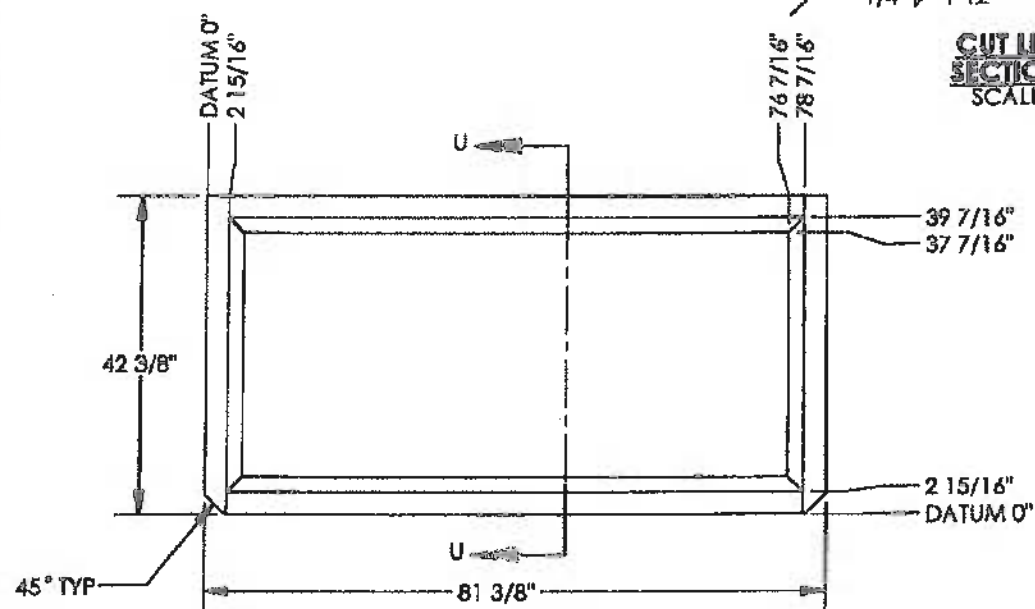
SHEET: 4 OF 7

08806

ITEM NO.	QTY.	DESCRIPTION	PART #	LENGTH
601	2	ANGLE IRON 1/4" x 2" x 2" 300W	ANGC22A	36 1/2"
602	2	ANGLE IRON 1/4" x 2" x 2" 300W	ANGC22A	75 1/2"
603	2	C-CHANNEL 12" @ 20.7# 300W	CHA1220R	75 1/2"
604	2	C-CHANNEL 12" @ 20.7# 300W	CHA1220R	42 3/8"

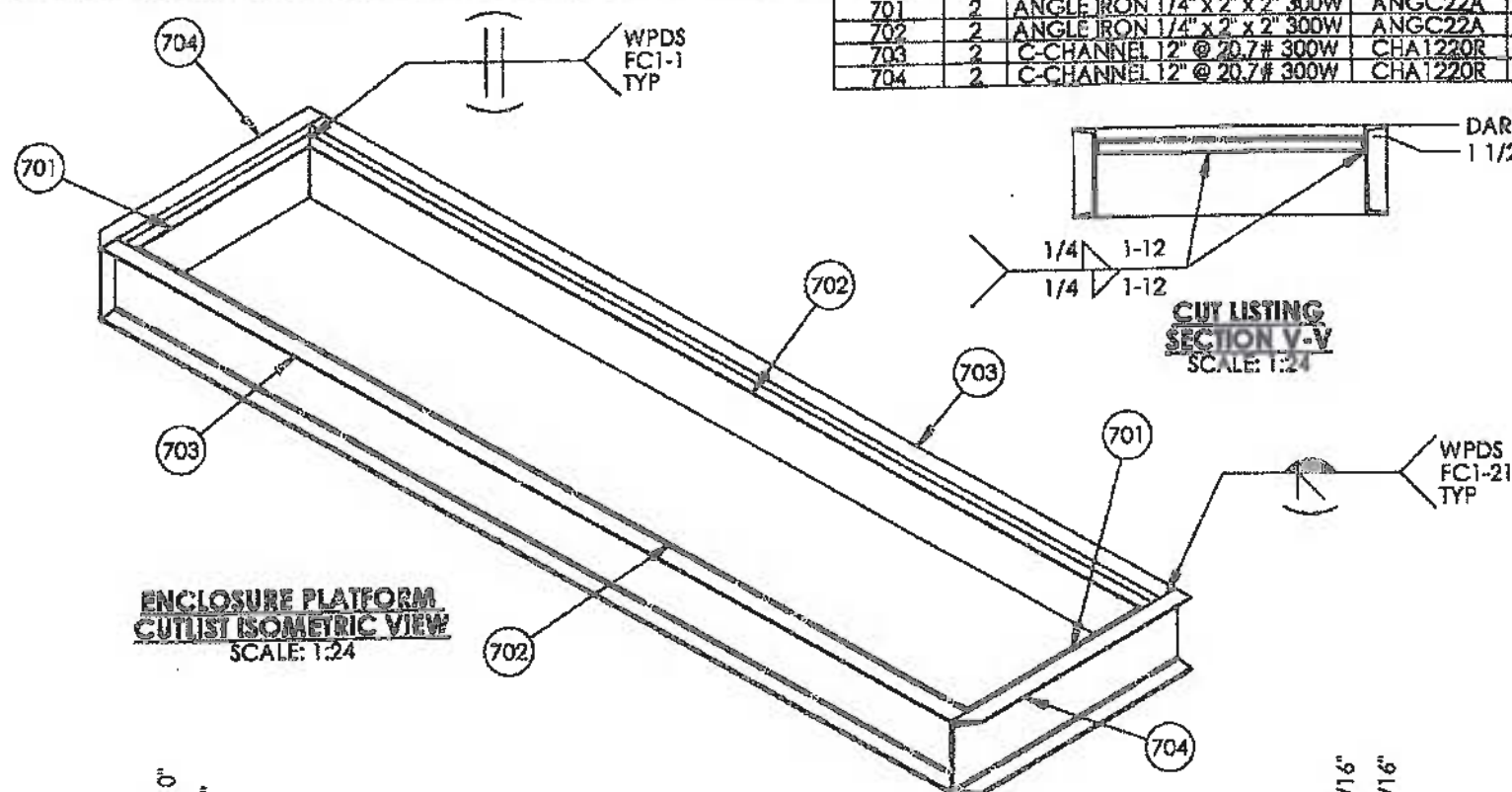


PIPING PLATFORM
CUTLIST ISOMETRIC VIEW
SCALE: 1:24

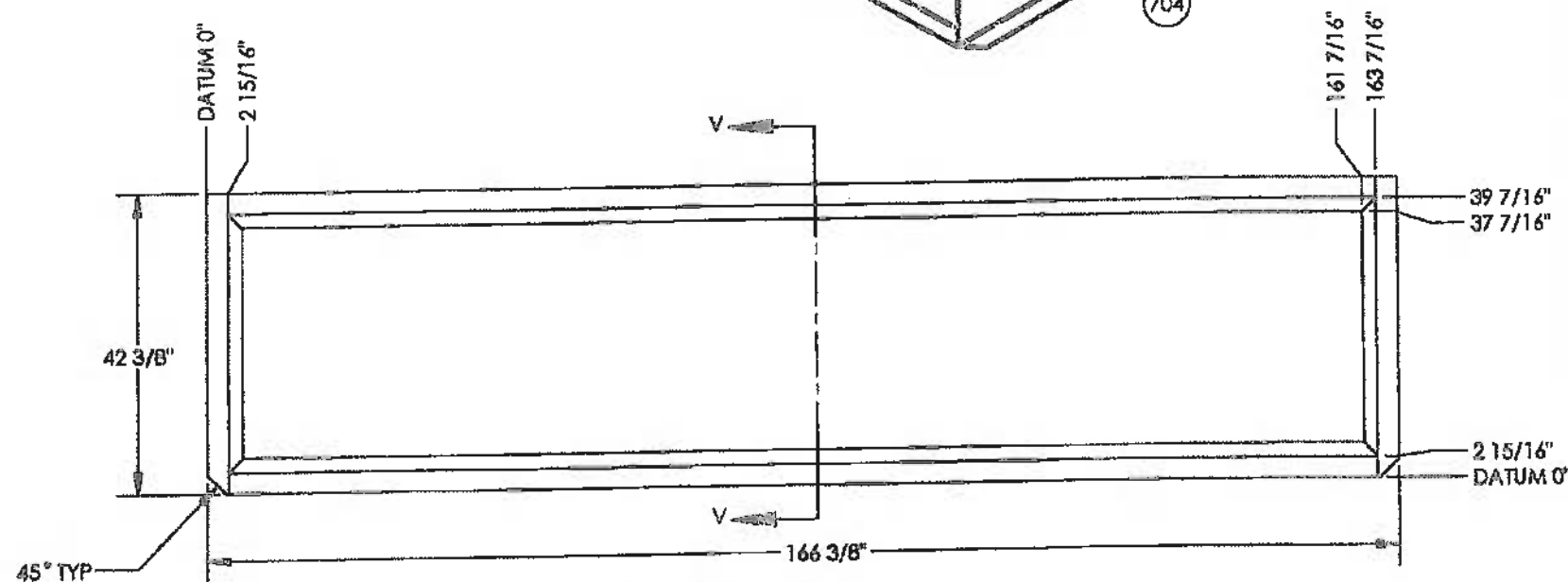


PIPING PLATFORM
CUT LISTING PLAN VIEW
SCALE: 1:24

ITEM NO.	QTY.	DESCRIPTION	PART #	LENGTH
701	2	ANGLE IRON 1/4" x 2" x 2" 300W	ANGC22A	36 1/2"
702	2	ANGLE IRON 1/4" x 2" x 2" 300W	ANGC22A	160 1/2"
703	2	C-CHANNEL 12" @ 20.7# 300W	CHA1220R	160 1/2"
704	2	C-CHANNEL 12" @ 20.7# 300W	CHA1220R	42 3/8"



ENCLOSURE PLATFORM
CUTLIST ISOMETRIC VIEW
SCALE: 1:24



ENCLOSURE PLATFORM
CUT LISTING PLAN VIEW
SCALE: 1:24

ORIGINAL

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP
LH-FIRSTK-24-2	LINEHEATER FIRETUBE/STACK ASSEMBLY					
LH-LAD-72	LINEHEATER SKID LADDER ASSEMBLY					
LH-PH-7224-1	LINEHEATER PREHEAT PIPING	0	OCT 31/12	VW		ISSUED FOR CONSTRUCTION
08562-6	LINEHEATER PACKAGE BATH ASSEMBLY	A	OCT 01/12	VW		ISSUED FOR APPROVAL

REFERENCE DRAWINGS

DRAWING REVISIONS

ISSUED FOR
CONSTRUCTION

SIGNED: *[Signature]*
DATE: JUN 5 2013
8806-002

S/N: *[Signature]*
ALL DIMENSIONS IN INCHES



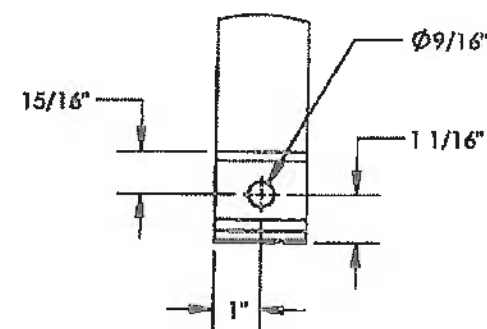
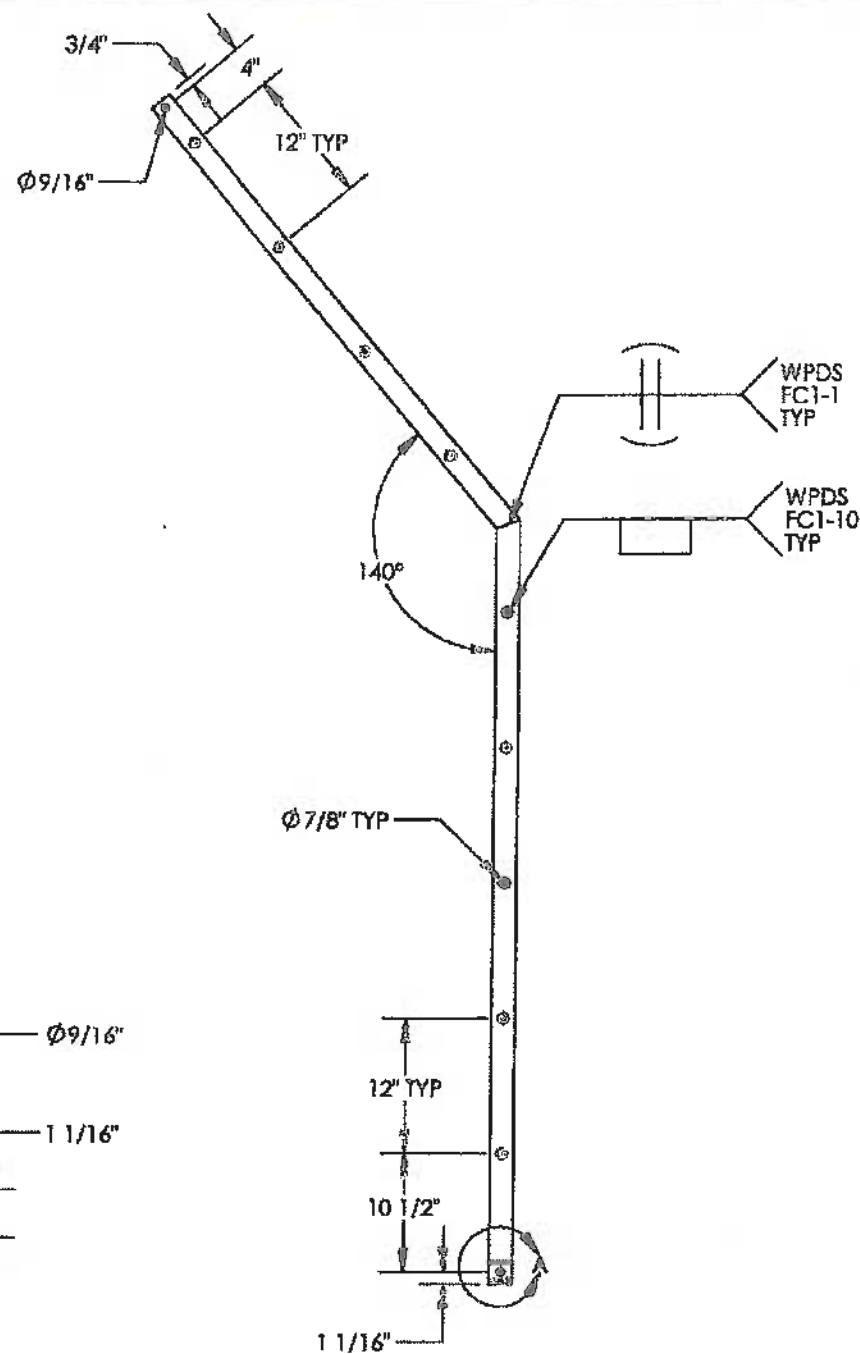
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ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU/HR
c/w 4" 2500# RTJ SPLIT COILS
SKID ASSEMBLY

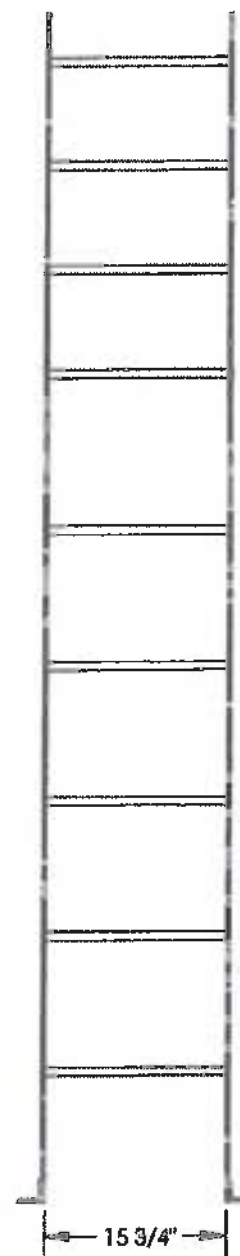
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DATE: OCT 01/12	DATE: NOV 02 2012	DATE: NOV 02 2012
SCALE: 1:24	DWG: 08562-3	REV: 0
SHEET: 7 OF 7		

08806



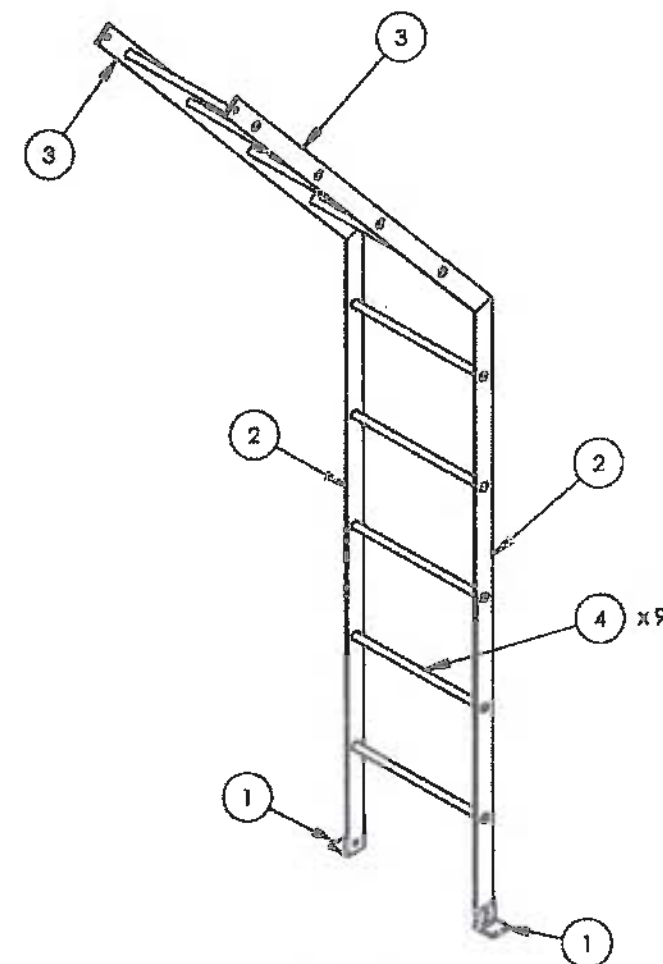
DETAIL 'A'
SCALE: 1:4

SIDE VIEW
SCALE: 1:16



FRONT VIEW
SCALE: 1:16

ITEM	QTY.	DESCRIPTION	PART #	Material	LENGTH
1	2	ANGLE IRON 1/4" x 2" x 2" SA36/44W	ANGC22A		2"
2	2	FLAT BAR 1/4" x 2" SA36/44W	FLBC2A		67 11/16"
3	2	FLAT BAR 1/4" x 2" SA36/44W	FLBC2A		49"
4	9	ROUND BAR 3/4" SA36/44W	RBRGYA		16"



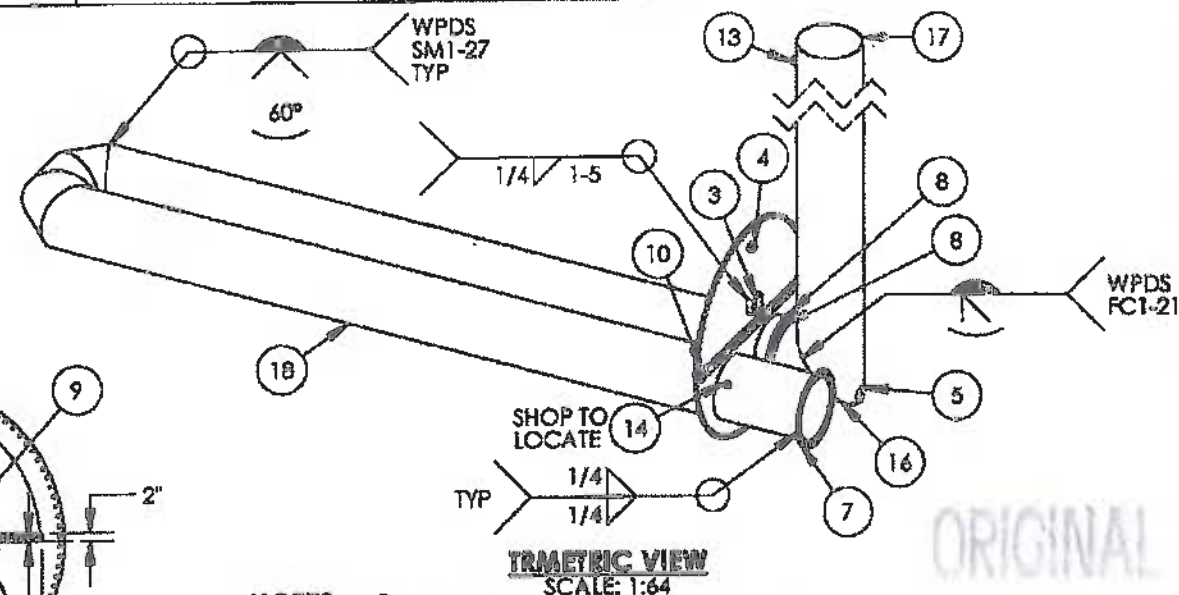
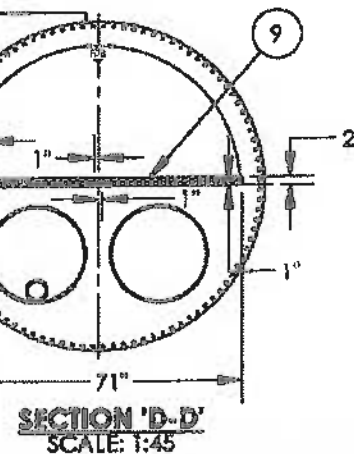
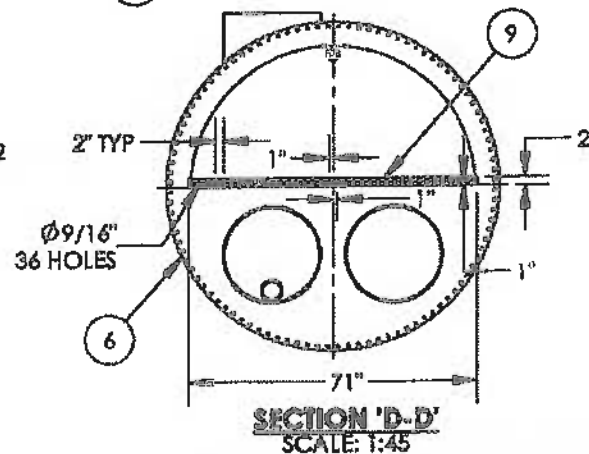
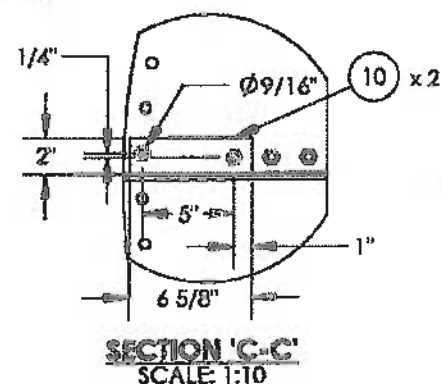
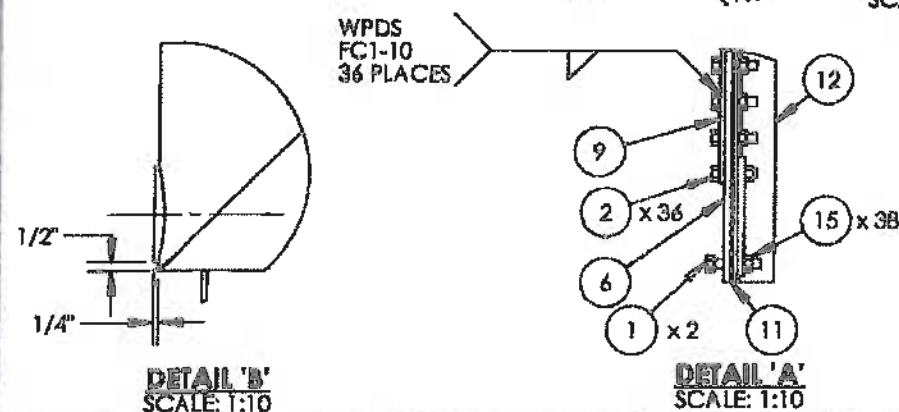
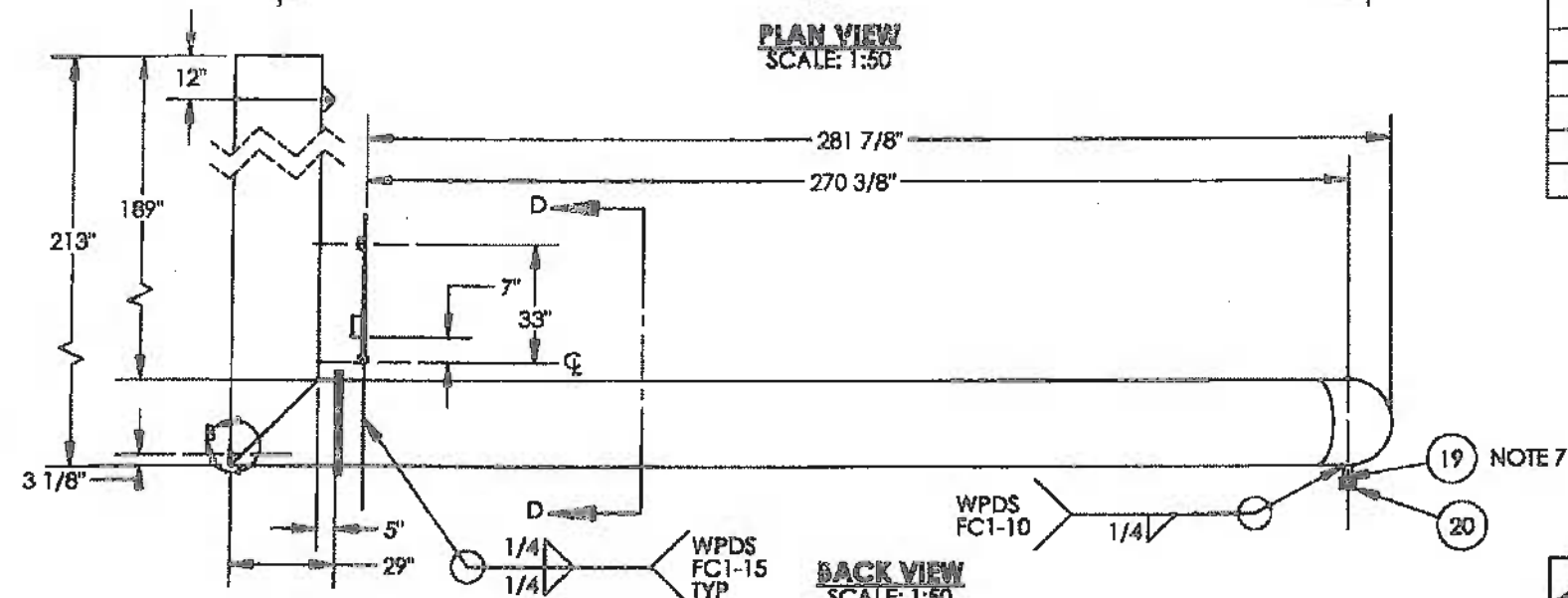
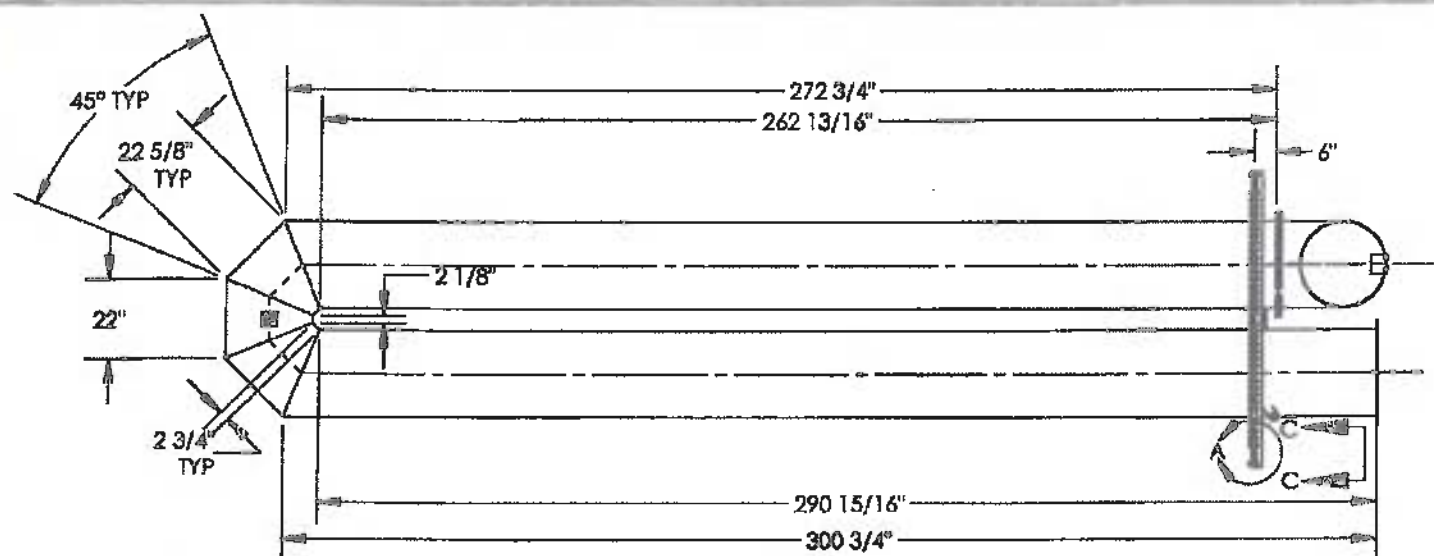
ISOMETRIC VIEW
SCALE: 1:16

ORIGINAL

- NOTES**
1. FABRICATE TO CSA W47.1 AND W59.
 2. ALL DIMENSIONS TO HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
 3. DEBURR AND RADIUS ALL SHARP EDGES.
 4. WELD PROCESS TO BE MCAW UNLESS OTHERWISE NOTED. WPDS-FC1-15.
 5. ALL WELDS TO BE 1/4" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.

						ISSUED FOR CONSTRUCTION		 NWP INDUSTRIES INC. Total offload supply.		NWP INDUSTRIES INC LINEHEATER SKID		
						SIGNED: 				TO FIT 72"OD BATH LADDER ASSEMBLY		
						DATE: JUN - 5 2013				DWN: DJ		
						8806-002		P.O. BOX 6280, INNISFAIL, AB T4G 1S9 PH: (403) 227-4100 FAX: (403) 227-4102		CHK: GH		
						S/N NWP-		THIS DRAWING IS PROPERTY OF NWP INDUSTRIES INC. AND MAY NOT BE REPRODUCED WITHOUT PERMISSION. THIS DRAWING MUST BE RETURNED UPON REQUEST.		APP: DF		
						ALL DIMENSIONS IN INCHES				DATE: 2011.04.21		
										DATE: 2011.05.13		
										DATE: 2011.05.13		
DOCUMENT NO.						DESCRIPTION		REV		DATE		
						REFERENCE DRAWINGS		BY		CHK		
						DRAWING REVISIONS		APP		APP		
						1		2012.07.06		JHK		
						0		2011.04.21		DJ GH DF		
						RFDC #01111 REVISED NOTE						
						ISSUED FOR CONSTRUCTION						

08806



- NOTES**
- DESIGN AND FABRICATE TO CSA W47.1 AND W59.
 - ALL DIMENSIONS TO HAVE A TOLERANCE OF $\pm 1/8$ " UNLESS OTHERWISE SPECIFIED.
 - DEBURR AND RADIUS ALL SHARP EDGES.
 - WELD PROCESS TO BE MCAW UNLESS OTHERWISE NOTED. WPDS-FC1-15, FC1-10.
 - ALL WELDS TO BE 1/4" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
 - 24 oz. PNEUMATIC TEST REQUIRED.
 - PIPE LENGTH TO BE VERIFIED PRIOR TO PLACEMENT OF FIRETUBE IN BATH.
 - ALL BOLT HOLES STRADDLE COMMON CENTER LINE.

ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	BOL.525BAA	BOLT 1/2" x 2 1/2" LG GR. 2 HEX HEAD			2
2	BOL.528AA	BOLT 1/2" x 2" LG GR. 2 HEX HEAD			36
3	BRACKET-NAME-1A	TANK/VESSEL NAME PLATE BRACKET SA36/44W			1
4	COH2GYEE	Coupling Half 2" 3M THRD SA105N			1
5	COR4YSTDEH	COUPLING 4" STD THRD RECESSED STEEL			1
6	LH-DPLATE-FIR7224	LINEHEATER FIRETUBE END PLATE 3/8" THK FOR 72" BATH x 24" FIRETUBE w/ INSPECTION HOLE AND DRAIN			1
7	LH-FLA-24.25	LH FIRETUBE/STACK FLANGE FOR 24" OD 1/4" THK			1
8	LH-FLA-24.75	LH FIRETUBE/STACK FLANGE 24" OD 3/4" THK			2
9	LH-IBAR1-FIR7224	LH INSPECTION BAR 1/4" THK FOR 72" BATH x 24" FIRETUBE			1
10	LH-IBAR2-FIR7224	LH INSPECTION BRACE 3/8" THK FOR 72" BATH x 24" FIRETUBE			2
11	LH-IGASKET-72	LH INSPECTION GASKET FOR 72" OD BATH			1
12	LH-IPLATE-FIR7224	LH INSPECTION PLATE 1/4" THK FOR 72" OD BATH x 24" FIRETUBE			1
13	LL-D63A	LIFT LUG 3/8" x 6 5/8" x 3 3/8" SA36/44W			1
14	NIP26Y80EA	Nipple 2" X 6" S/80 SA106B			1
15	NUT.5YBAA	NUT 1/2" GR. 2 HEX PLATED			36
16	PIP1210E	PIPE 24" SCH 10 SA53		29"	1
17	PIP2410E	PIPE 24" SCH 10 SA53		213"	1
18	PIP2410E	PIPE 24" SCH 10 SA53		640 3/4"	1
19	PIP280A	PIPE 2" SCH XH/80 SA106B		5 1/8"	1
20	SLIDER-2	TANK SLIDER BLOCK ASSEMBLY			1

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	DRAWING REVISIONS
		1	2012.10.30	VW			RFDC #01217 CHANGES TO WELD SYMBOL AS MARKUP
		0	2011.04.21	DJ	GH	DF	ISSUED FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]*

DATE: JUN - 5 2013

W.O. 8806-002-D

S.O.:

ALL DIMENSIONS IN INCHES

NWP INDUSTRIES INC.

Total oilfield supply.

P.O. BOX 4280, INNISFAIR, AB T4G 1S9

PH: (403) 227-4100 FAX: (403) 227-4102

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NWP INDUSTRIES INC

LINEHEATER FIRETUBE/STACK

24" OD

STANDARD

ASSEMBLY DRAWING

DWN: DJ CHK: GH APP: DF

DATE: 2011.04.21 DATE: 2011.05.13 DATE: 2011.05.13

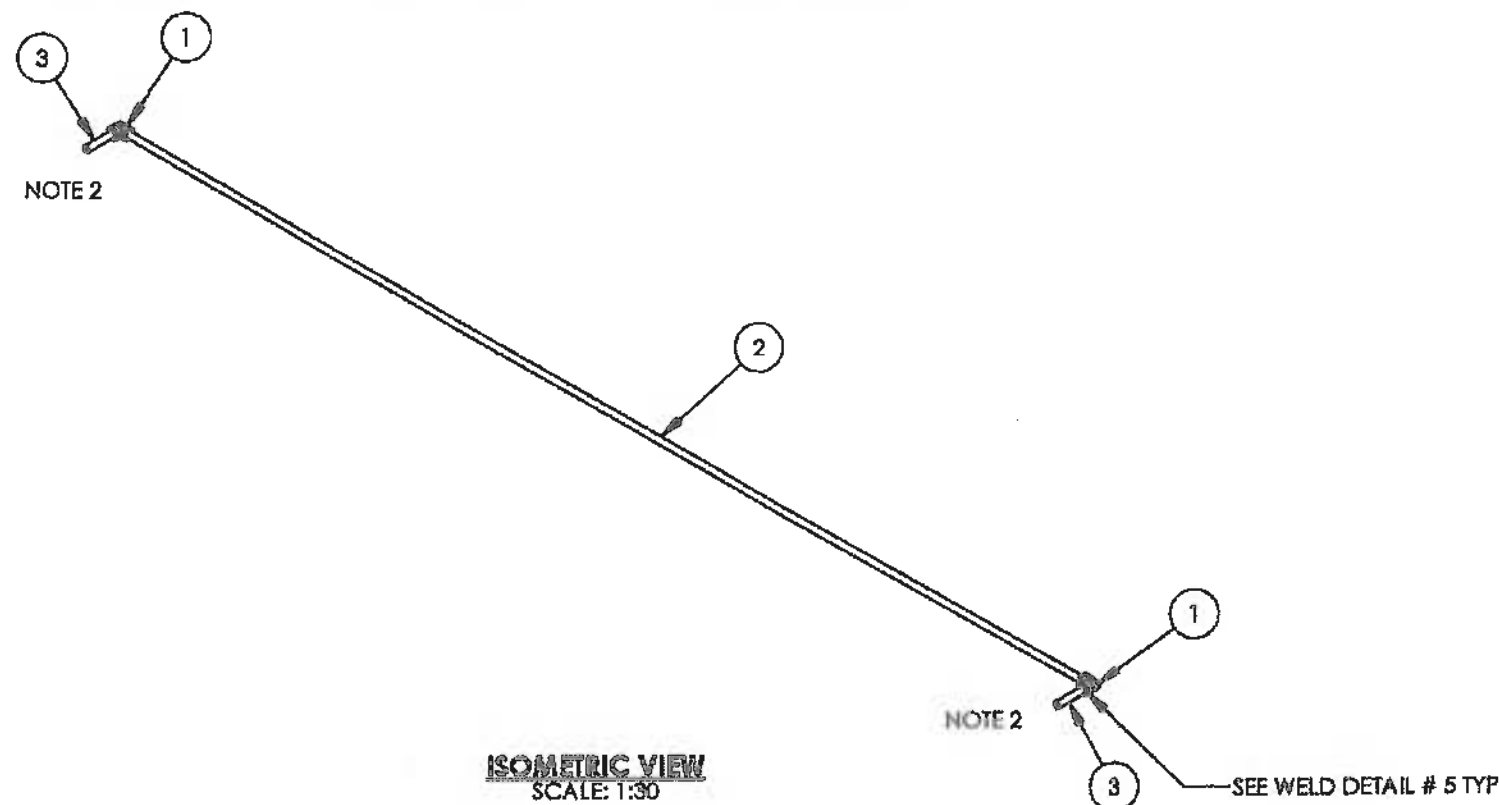
SCALE: 1:64

SHEET: 1 OF 2

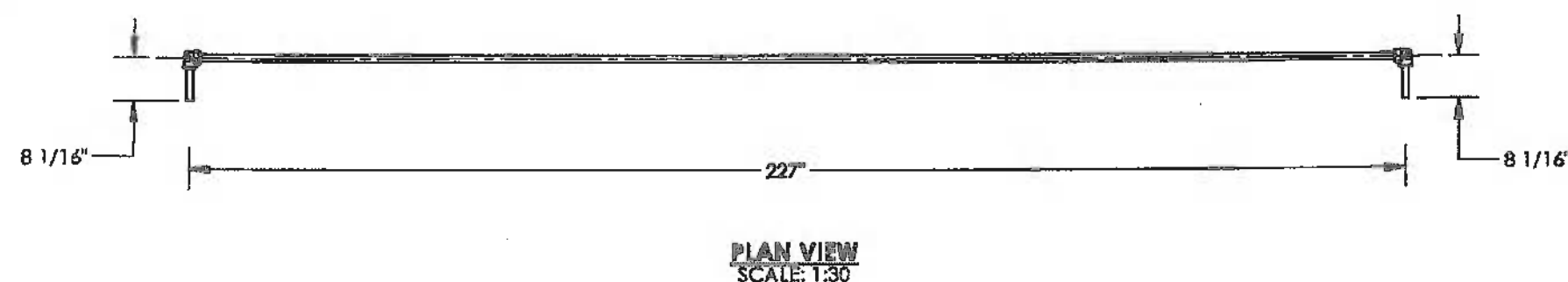
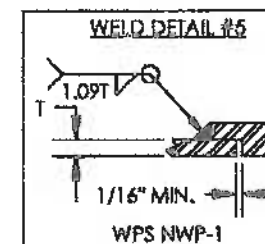
DWG: LH-FIRSTR-24-2

REV: 1

ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
1	EL91HYFE	Elbow 90 Deg 1" 6M SW SA105N			2
2	PIP1160A	PIPE 1" SCH 160 SA106B		225 1/4"	1
3	PIP1160B	PIPE 1" SCH 160 SA333-6		7"	2



- NOTES**
1. ALL DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
 2. SHOP TO HEAD END OF PIPE PRIOR TO WELDING.
 3. CUT LENGTHS FOR PIPE ARE FOR REFERENCE ONLY.
 4. REVIEW CLIENT SPECIFICATIONS PRIOR TO ISSUE FOR CONSTRUCTION



DESIGN DATA	
LINE NUMBER:	FG-1"-C-160A/BE-301
CLIENT SPECIFICATION:	SEE NOTE 4
DESIGN & FABRICATE TO:	ANSI/ASME B31.3 NFS 2010 EDITION
DESIGN PRESSURE:	1440 PSIG
MAXIMUM DESIGN TEMPERATURE:	200 °F
MINIMUM DESIGN TEMPERATURE:	-20 °F
SERVICE:	HYDROCARBONS
HYDROSTATIC TEST PRESSURE:	2160 PSIG
RADIOGRAPHY:	10% OF SW FOR GAP
OTHER NDE:	10% MPI ON SW
POST WELD HEAT TREATMENT:	NONE
CORROSION ALLOWANCE:	1/16"
Q.C. PROGRAM NO.:	AGP-1253
WELDING PROCEDURE REGISTRATION NO.:	WP-1604.2

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	DRAWING REVISIONS
		3	2012.10.22	VW	DF		RFDC #01215 REVISED DESIGN DATA AS PER REQUEST
		2	2012.03.01	JHK	GH	DF	RFDC #00621 REVISED ELBOWS
		1	2011.06.06	DJ	GH	DF	REVISED AS PER RFDC #00492
		0	2011.05.06	DJ	GH	DF	ISSUED FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]*

DATE: *10/25/2012*

W.O. NO.: **8806-002-D**

S.O.:

ALL DIMENSIONS IN INCHES

NWP INDUSTRIES INC.
Total offsite supply.

P.O. BOX 6280, INNISFAIR, AB T4G 1S9
PH: (403) 227-4100 FAX: (403) 227-4102

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ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU
C/W 4"-2500# RTJ SPLIT COILS
PREHEAT PIPING

DWN: DJ CHK: *[Signature]* APP: *[Signature]*

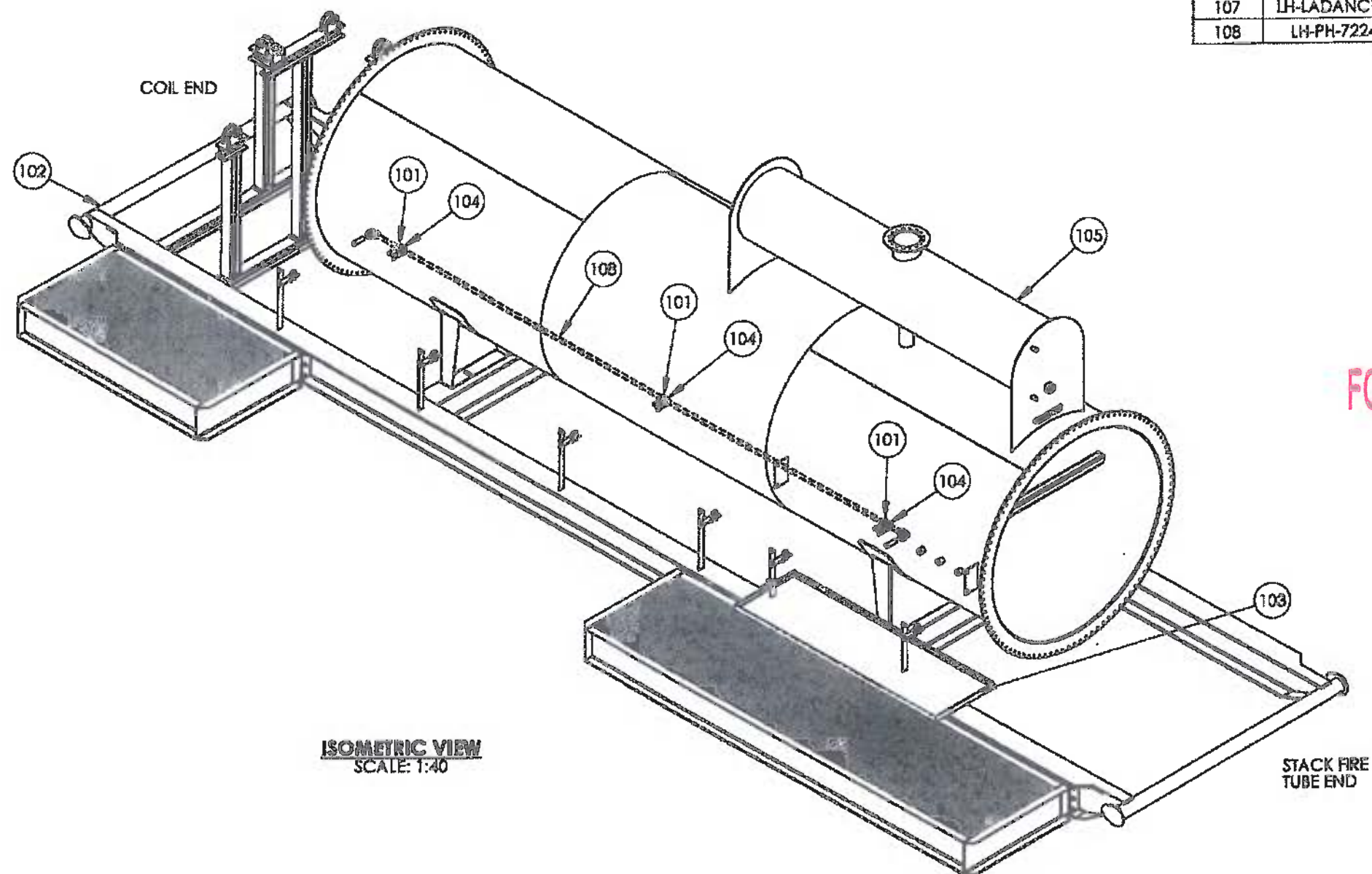
DATE: 2011.05.06 DATE: 2011.05.27 DATE: 2011.05.30

SCALE: 1:30 DWG: **1H-PH-7224-1** REV: **3**

SHEET: 1 OF 1

08806

ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
101	034878	U-BOLT, 1" c/w 4 NUTS			3
102	-	SEE DRAWING 08352-3			1
103	-	SEE ENCLOSURE SUPPORT DETAIL			1
104	ANGC22A	ANGLE IRON 2"x2"x1/4" SA-36/44W		6"	3
105	LH-7224-BARE	LH BATH 72" OD x 24' LG BARE			1
106	LH-LAD-72	LINEHEATER LADDER FOR 72" OD BATH			1
107	LH-LADANCHOR	LINEHEATER LADDER ANCHOR			2
108	LH-PH-7224-1	PRE-HEAT WELDED PIPE			1



ISOMETRIC VIEW
SCALE: 1:40

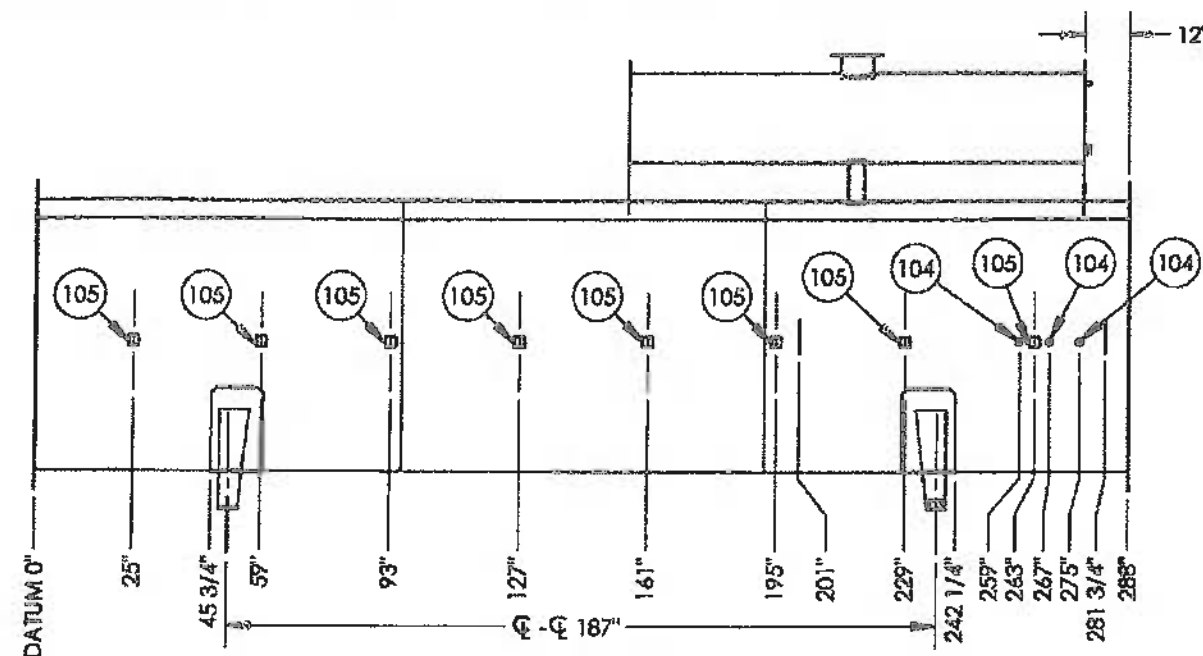
FOR INFORMATION ONLY

ORIGINAL

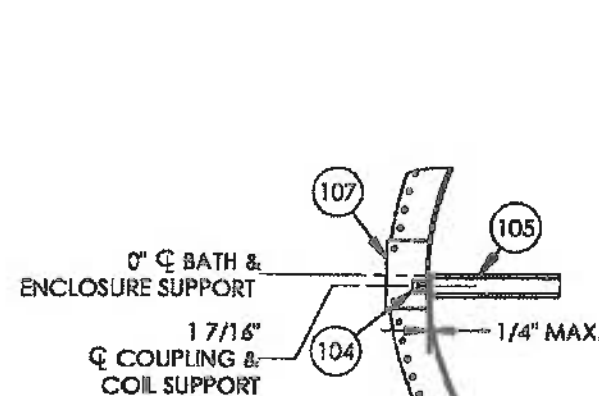
NOTES

1. FABRICATION TO W47.1 AND W59.
2. RADIUS ALL SHARP EDGES.
3. ALL WELDS TO BE 1/4" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
4. WELD PROCESS TO BE MCAW UNLESS OTHERWISE NOTED. WPDS FC1-15, FC1-10
5. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
6. APPROX. WEIGHT: 13370 LBS

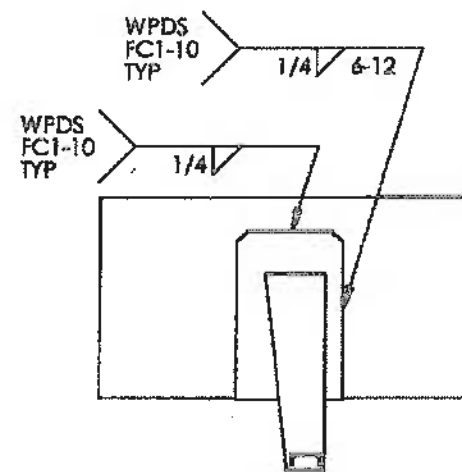
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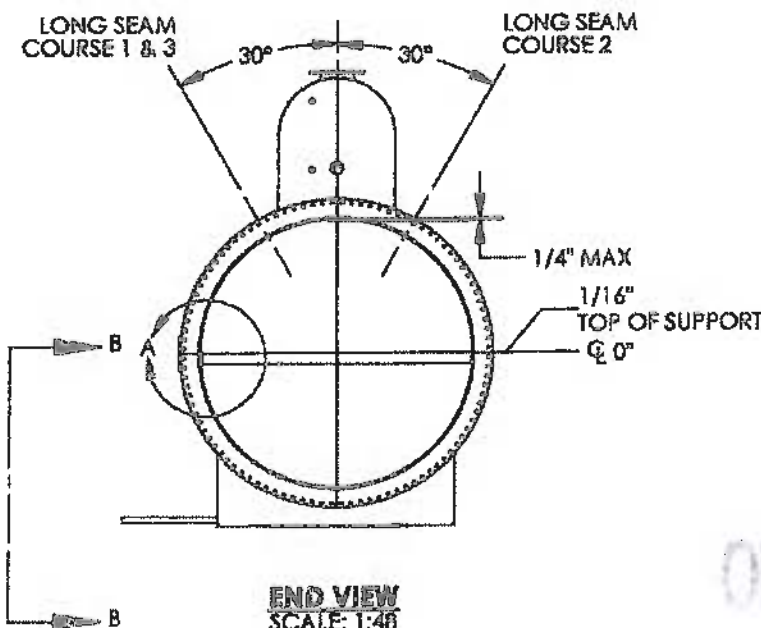
FRONT VIEW
SCALE: 1:48



DETAIL 'A'
SCALE: 1:24

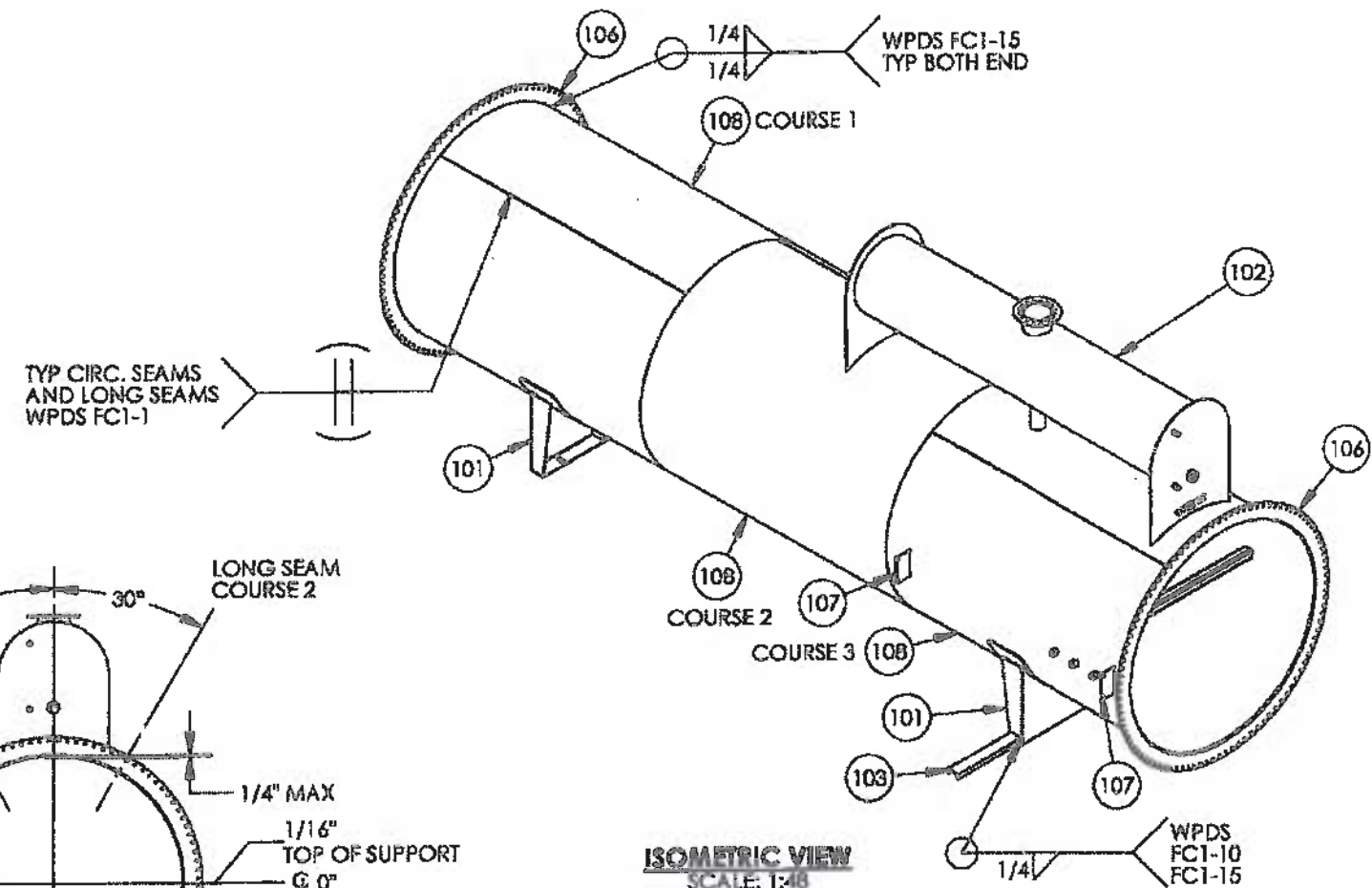


SECTION B-B
SCALE: 1:24



END VIEW
SCALE: 1:48

ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
101	-	SEE SADDLE DETAIL			2
102	-	SEE EXPANSION TANK DETAIL			1
103	CHA45R	CHANNEL 4" @ 5.4# 300W		24 3/4"	1
104	COF1GYEE	Coupling 1" 3M SA105N			3
105	HSSC3A	SQUARE TUBE 1/4" x 3" x 3" 350W/ASTM A500		71 1/2"	8
106	LH-FLA-72.375	LH BATH FLANGE FOR 72" OD 3/8" THK			2
107	LH-PLATE-ENCL72	LH ENCLOSURE SUPPORT TAB TO FIT 72" OD BATH			2
108	LH-SHELL-728.25	LH BATH SHELL 72" OD x 8' LG x 1/4" THK SA36/44W			3



ISOMETRIC VIEW
SCALE: 1:48

- NOTES
1. DESIGN AND FABRICATE TO CSA W47.1 AND W59.
 2. ALL DIMENSIONS TO HAVE A TOLERANCE OF $\pm 1/8$ " UNLESS OTHERWISE SPECIFIED.
 3. DEBURR AND RADIUS ALL SHARP EDGES.
 4. WELD PROCESS TO BE MCAW UNLESS OTHERWISE NOTED. WPDS-FC1-15, FC1-10.
 5. ALL WELDS TO BE 1/4" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
 6. BOLT HOLES TO STRADDLE COMMON CENTERLINE.
 7. APPROXIMATE WEIGHT: 6400 LBS.

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP	REVISIONS
LH-FIRSTK-24-2	LINEHEATER FIRETUBE/STACK ASSEMBLY	3	2012.10.30	VW	DF	DF	REVISED AS PER RFDC #01219 ADDED REF. DWGS
LH-PH-7224-1	LINEHEATER PREHEAT PIPING	2	2011.07.14	DJ	GH	DF	REVISED AS PER RFDC #00535, ADDED WELD SYMBOL
LH-LAD-72	LINEHEATER SKID LADDER ASSEMBLY	1	2011.05.30	JHK	GH	DF	REVISED AS PER RFDC #00483
		0	2011.04.20	JHK	GH	DF	ISSUED FOR CONSTRUCTION

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]*

DATE: JUN 5 2013

W.O.: 8806-002

S.O.: *[Signature]*

ALL DIMENSIONS IN INCHES

NWP INDUSTRIES INC.
Total oilfield supply.

P.O. BOX 6280, INNISFAIR, AB T4G 1S9
PH: (403) 227-4100 FAX: (403) 227-4102

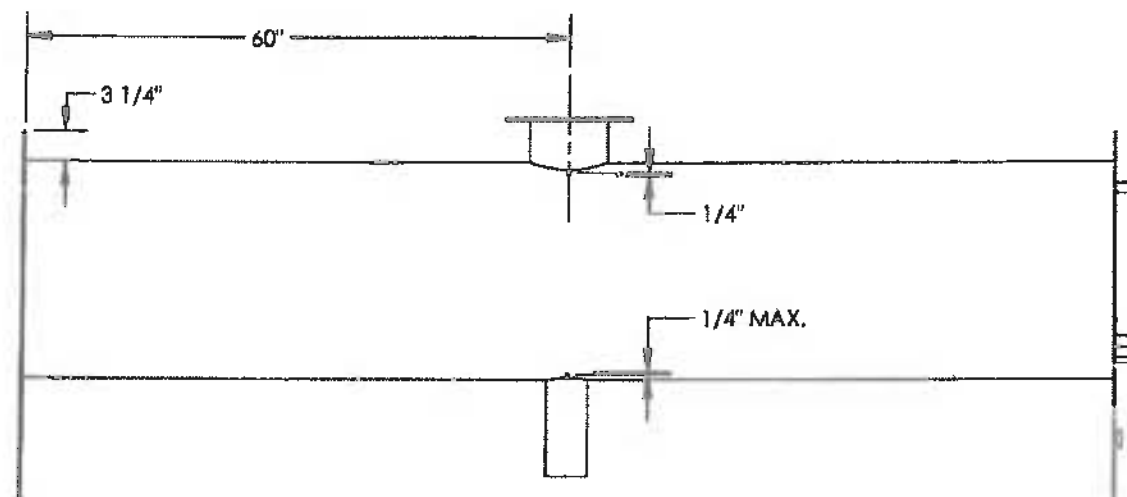
THIS DRAWING IS PROPERTY OF NWP INDUSTRIES INC. AND MAY NOT BE REPRODUCED WITHOUT PERMISSION. THIS DRAWING MUST BE RETURNED UPON REQUEST.

NWP INDUSTRIES INC
LINEHEATER BATH
72" OD x 24' LONG

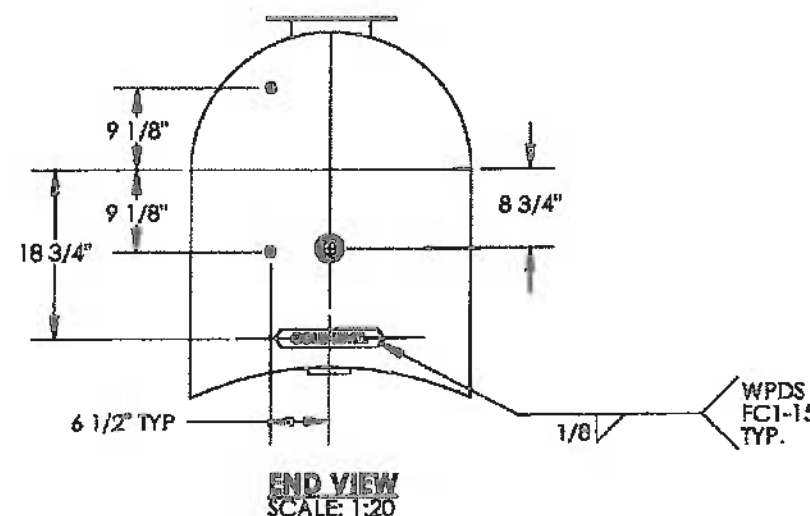
ASSEMBLY DRAWING

DWN: JHK	CHK: GH	APP: DF
DATE: 2011.04.20	DATE: 2011.05.13	DATE: 2011.05.13
SCALE: 1:48	DWG: LH-7224-BATH	REV: 3
SHEET: 1 OF 4		

03806

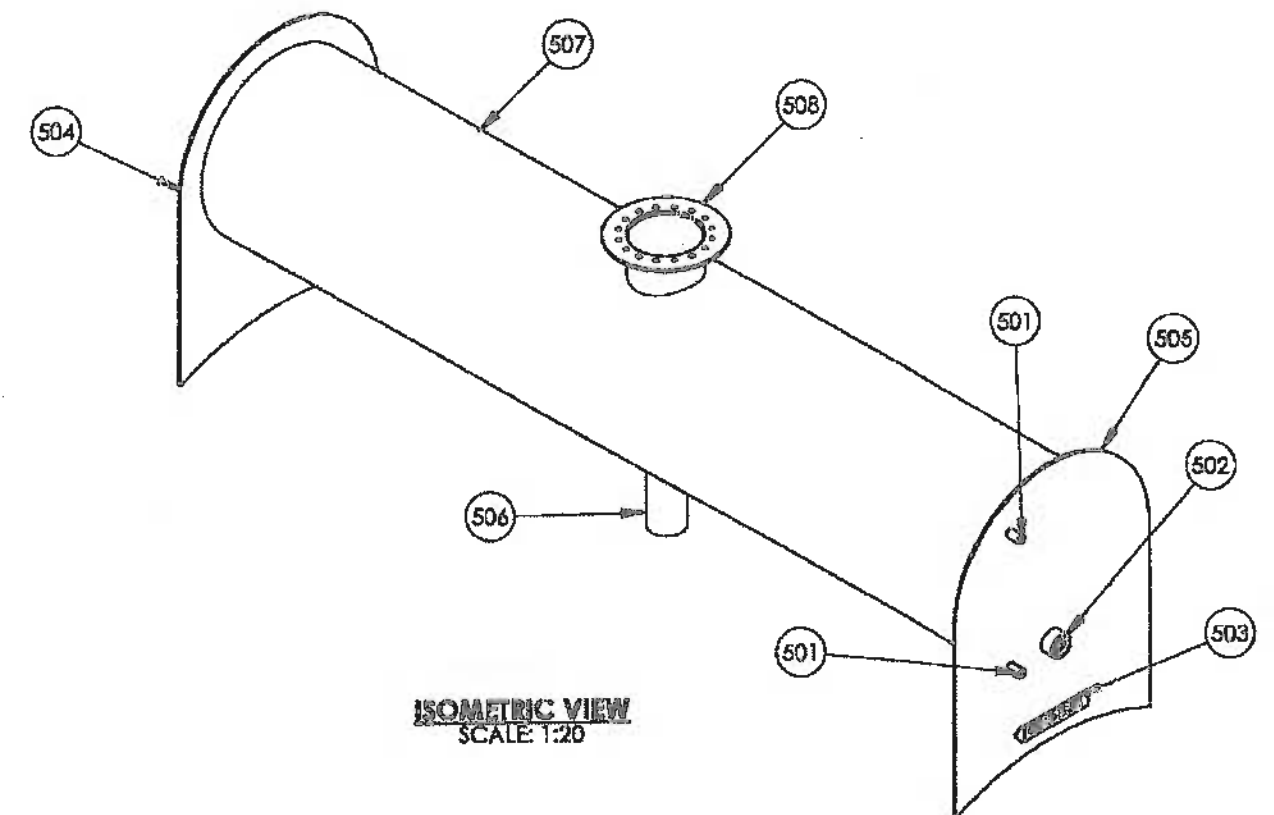


FRONT VIEW
SCALE 1:20



END VIEW
SCALE 1:20

ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
501	COF.5GYEE	Coupling 1/2" 3M THRD SA 105N			2
502	COH2GYEE	Coupling Half 2" 3M THRD SA 105N			1
503	COLDLEVEL-1	LH COLD LEVEL INDICATOR			1
504	EXP-END2472	EXP. TANK END PLATE TO FIT 24" OD TANK x 72" OD BATH			1
505	EXP-END2472-LGD	EXP. TANK LG END PLATE TO FIT 24" OD TANK x 72" OD BATH			1
506	PIP440A	PIPE 4" SCH STD/40 SA 106B		11 1/2"	1
507	PIP2410E	PIPE 24" SCH 10 SA 53 ERW		120"	1
508	THIEFBASE-1	THIEF HATCH BASE ASSEMBLY 8 5/8" OD			1



ISOMETRIC VIEW
SCALE 1:20

NOTES

1. DESIGN AND FABRICATE TO CSA W47.1 AND W59.
2. ALL DIMENSIONS TO HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
3. DEBURR AND RADIUS ALL SHARP EDGES.
4. WELD PROCESS TO BE MCAW UNLESS OTHERWISE NOTED. WPDS-FC1-15, FC1-10.
5. ALL WELDS TO BE 1/4" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
6. BOLT HOLES TO STRADDLE COMMON CENTERLINE.

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP
LH-FIRSTK-24-2	LINEHEATER FIRETUBE/STACK ASSEMBLY	3	2012.10.30	VW		
LH-PH-7224-1	LINEHEATER PREHEAT PIPING	2	2011.07.14	DJ	GH	DF
LH-LAD-72	LINEHEATER SKID LADDER ASSEMBLY	1	2011.05.30	JHK	GH	DF
		0	2011.04.20	JHK	GH	DF

ISSUED FOR CONSTRUCTION
SIGNED: *[Signature]*
DATE: JUN - 5 2013
8806-002-0
S.O.:
ALL DIMENSIONS IN INCHES

NWP INDUSTRIES INC.
Total offfield supply.
P.O. BOX 6280, INNISFAIR, AB T4G 1S9
PH: (403) 227-4100 FAX: (403) 227-4102
THIS DRAWING IS PROPERTY OF NWP INDUSTRIES INC. AND MAY NOT BE REPRODUCED WITHOUT PERMISSION. THIS DRAWING MUST BE RETURNED UPON REQUEST.

NWP INDUSTRIES INC
LINEHEATER BATH
72" OD x 24' LONG
ASSEMBLY DRAWING
DWN: JHK CHK: GH APP: DF
DATE: 2011.04.20 DATE: 2011.05.13 DATE: 2011.05.13
SCALE: 1:20
SHEET: 2 OF 4
DWG: LH-7224-BASE REV: 3

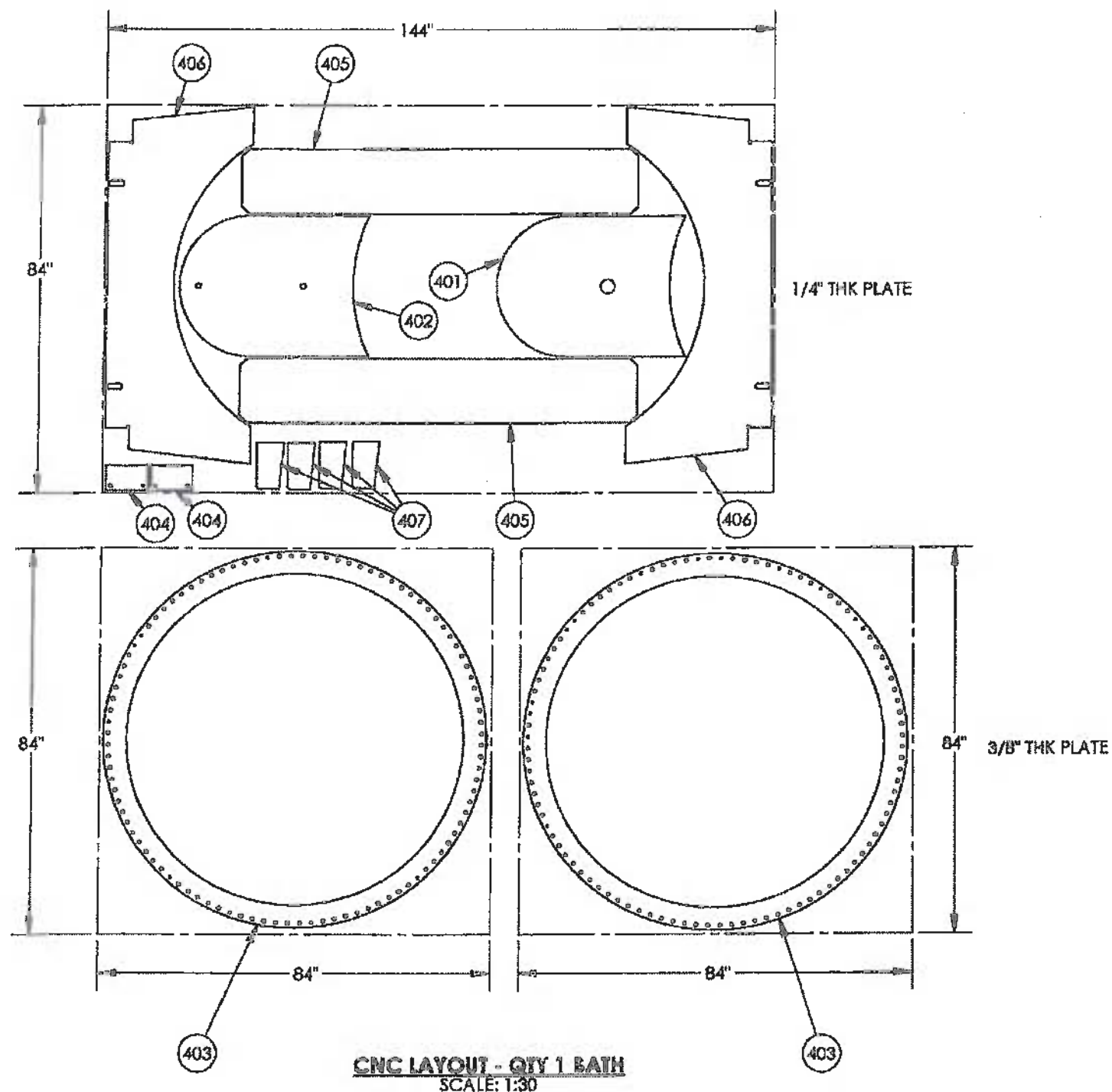
08806

ISOMETRIC VIEW
SCALE: 1:12

1. DESIGN AND FABRICATE TO CSA W47.1 AND W59.
2. ALL DIMENSIONS TO HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
3. DEBURR AND RADIUS ALL SHARP EDGES.
4. WELD PROCESS TO BE MCAW UNLESS OTHERWISE NOTED. WPDS-FC1-15, FC1-10.
5. ALL WELDS TO BE 1/4" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.

NWP INDUSTRIES INC		
LINEHEATER BATH		
72" OD x 24" LONG		
ASSEMBLY DRAWING		
DWN: JHK	CHK: GH	APP: DF
DATE: 2011.04.20	DATE: 2011.05.13	DATE: 2011.05.13
SCALE: 1:12	DWG: IH-7224-BATH	REV: 3
SHEET: 3 OF 4		

08806



ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
401	EXP-END2472-D	EXP. TANK LC END PLATE TO FIT 24" OD TANK x 72" OD BATH			1
402	EXP-END2472-LG	EXP. TANK LG END PLATE TO FIT 24" OD TANK x 72" OD BATH			1
403	LH-FLA-72.375	LH BATH FLANGE FOR 72" OD 3/8" THK			2
404	LH-PLATE-ENCL72	LH ENCLOSURE SUPPORT TAB TO FIT 72" OD BATH			2
405	LHSAD72-WEAR	LH SADDLE WEAR PLATE FOR 72" OD		-	2
406	LHSAD72-PLATE	LH SADDLE PLATE FOR 72" OD		-	2
407	LHSAD72-SUPPORT	LH SADDLE SUPPORT FOR 72" OD			4

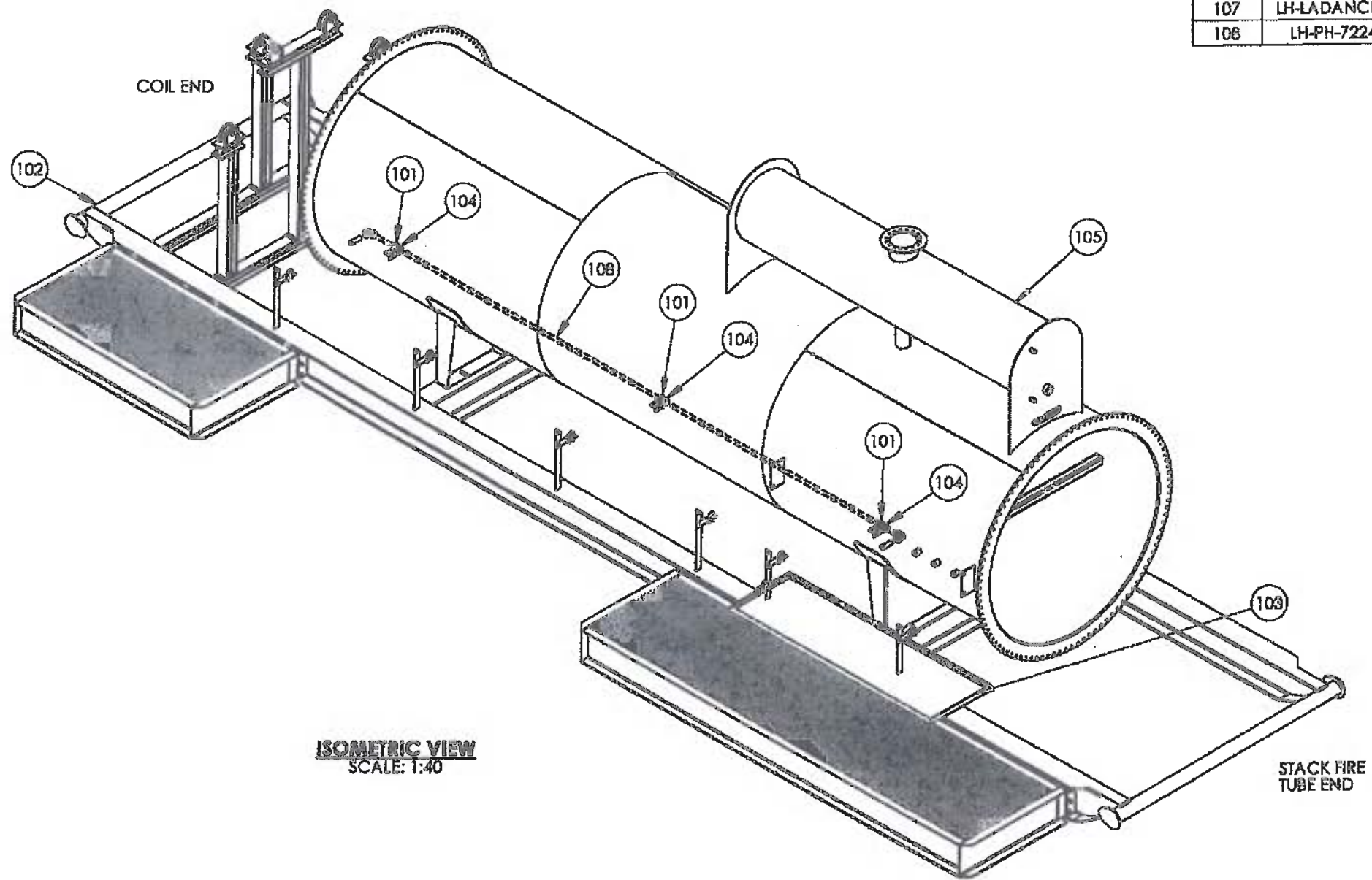
NOTES

1. HEAT NUMBER TO BE CLEARLY MARKED ON EACH PIECE WITH PAINT PEN AS A MINIMUM.
2. ALL DOCUMENTATION MUST ACCOMPANY SHIPMENT OF PARTS IF PART IS OUTSOURCED.
3. ALL DIMENSIONS TO HAVE A TOLERANCE OF $\pm 1/8"$ UNLESS OTHERWISE SPECIFIED.
4. DEBURR AND RADIUS ALL SHARP EDGES.

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08806

ITEM	PART #	DESCRIPTION	MTR #	LENGTH	QTY.
101	034878	U-BOLT, 1" c/w 4 NUTS			3
102	-	SEE DRAWING 08352-3			1
103	-	SEE ENCLOSURE SUPPORT DETAIL			1
104	ANGC22A	ANGLE IRON 2"x2"x1/4" SA-36/44W		6"	3
105	LH-7224-BARE	LH BATH 72" OD x 24' LG BARE			1
106	LH-LAD-72	LINEHEATER LADDER FOR 72" OD BATH			1
107	LH-LADANCHOR	LINEHEATER LADDER ANCHOR			2
108	LH-PH-7224-1	PRE-HEAT WELDED PIPE			1

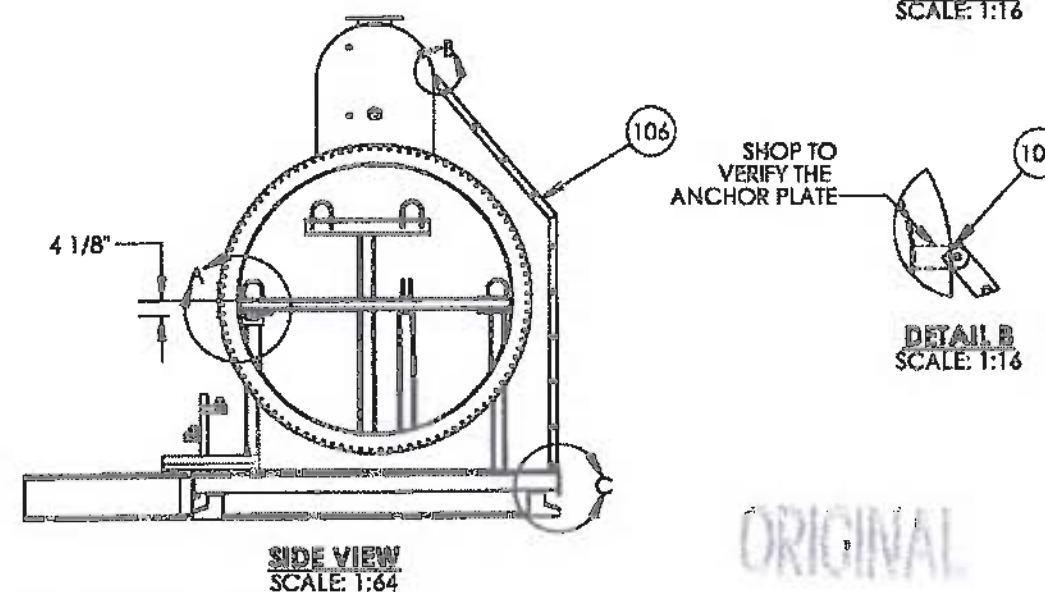
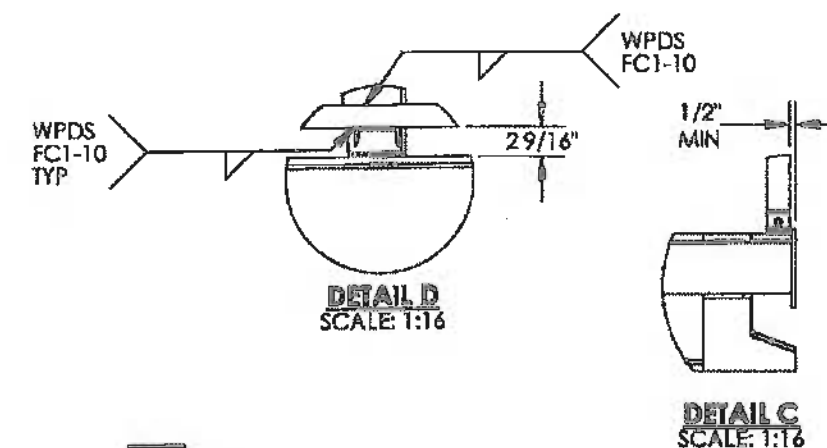
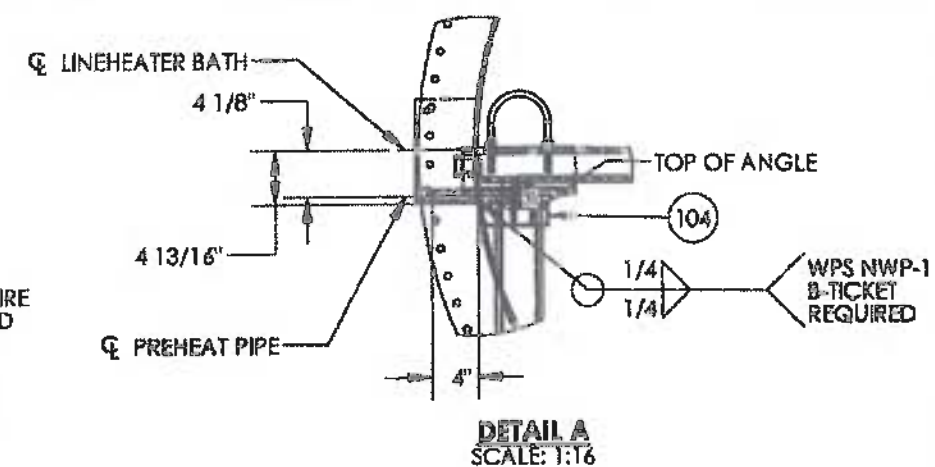
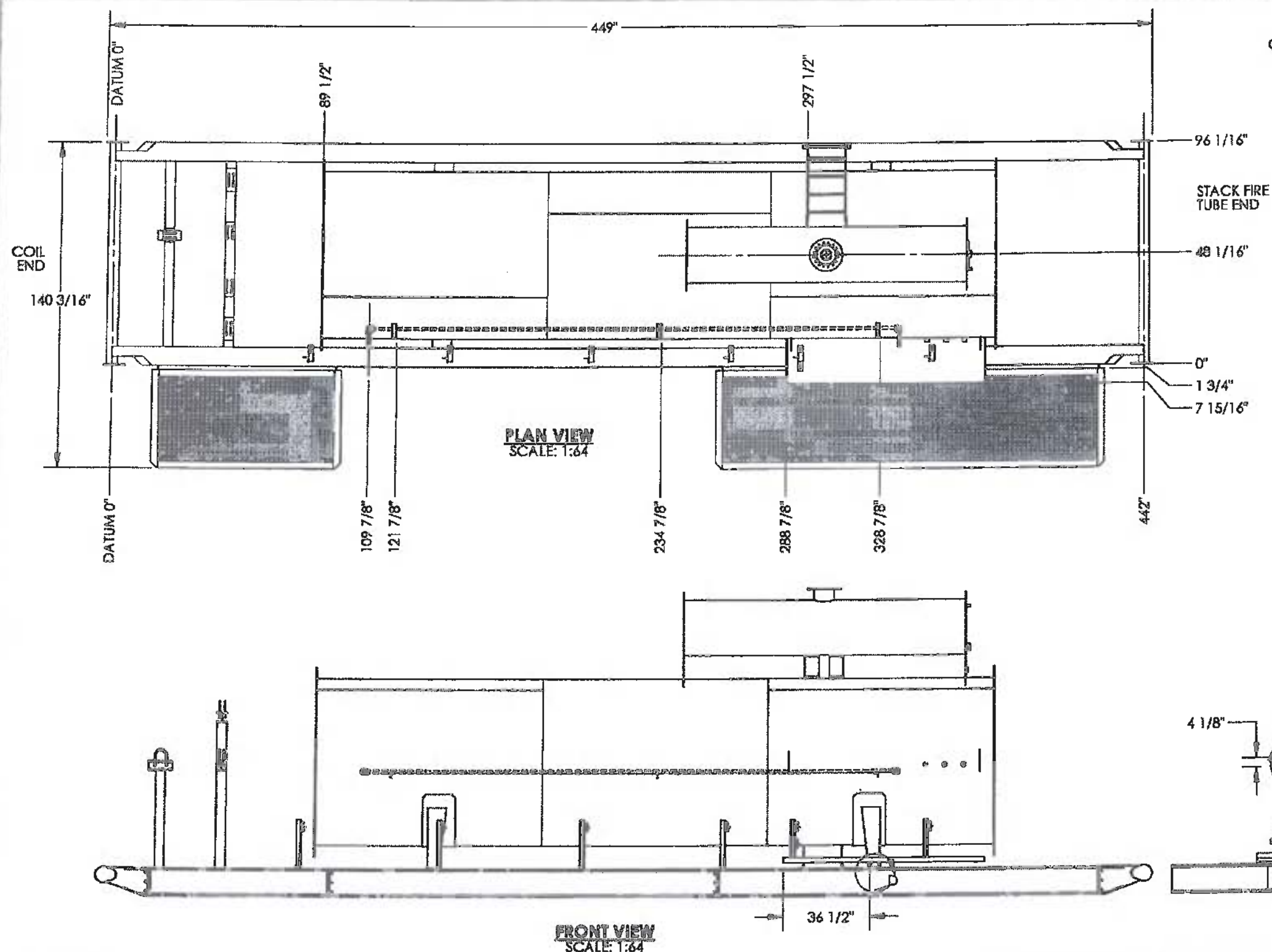


ISOMETRIC VIEW
SCALE: 1:40

ORIGINAL

- NOTES**
1. FABRICATION TO W47.1 AND W59.
 2. RADIUS ALL SHARP EDGES.
 3. ALL WELDS TO BE 1/4" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
 4. WELD PROCESS TO BE MCAW UNLESS OTHERWISE NOTED. WPDS FC1-15, FC1-10
 5. ALL BOLT HOLES STRADDLE COMMON CENTER LINE.
 6. APPROX. WEIGHT: 13370 LBS

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ORIGINAL

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP
08562-3	LINEHEATER SKID ASSEMBLY					
LH-FIRSTK-24-2	LINEHEATER FIRETUBE/STACK ASSEMBLY					
LH-LAD-72	LINEHEATER SKID LADDER ASSEMBLY	0	OCT 31/12	VW		
LH-PH-7224-1	LINEHEATER PREHEAT PIPING	A	OCT 23/12	VW		
REFERENCE DRAWINGS						

ISSUED FOR CONSTRUCTION

SIGNED: _____

DATE: JUN - 5 2013

8806-002

S/N: _____

ALL DIMENSIONS IN INCHES

NWP INDUSTRIES INC.
Total oilfield supply.

P.O. BOX 4280, INNISFAIR, AB T4G 1S9
PH: (403) 227-4100 FAX: (403) 227-4102

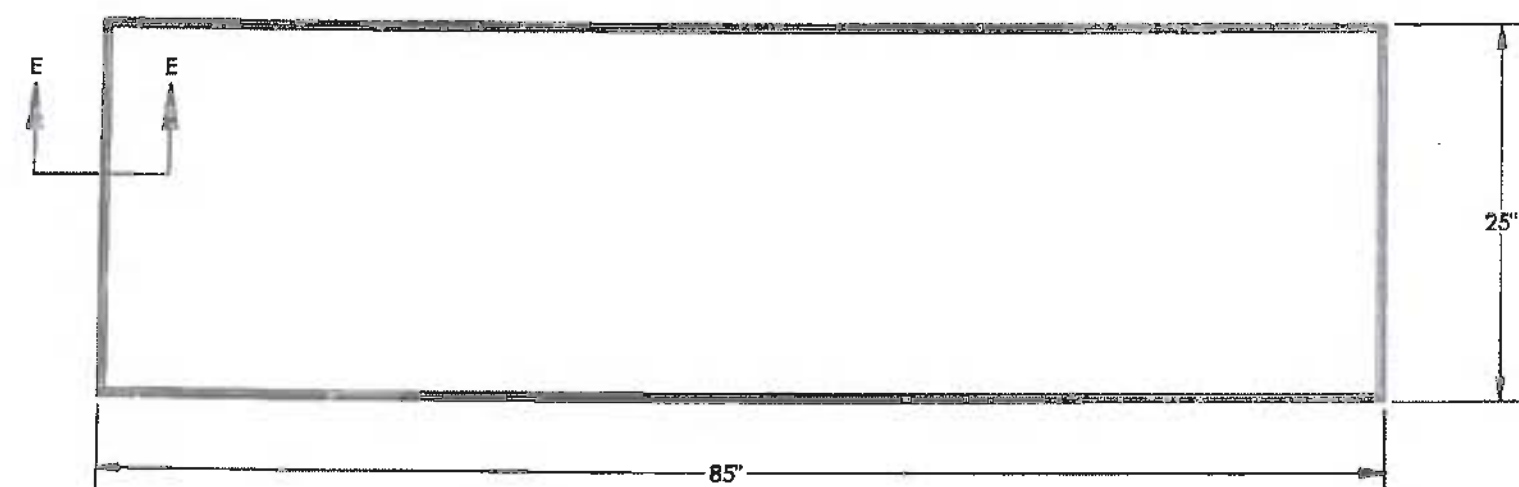
THIS DRAWING IS PROPERTY OF NWP INDUSTRIES INC. AND MAY NOT BE REPRODUCED WITHOUT PERMISSION. THIS DRAWING MUST BE RETURNED UPON REQUEST.

ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU
C/W 4"-2500# RTJ SPLIT COILS
BATH ASSEMBLY

DWN: VW	CHK: _____	APP: _____
DATE: OCT 05/12	DATE: NOV 14 2012	DATE: NOV 14 2012
SCALE: 1:48	DWG: 00562-6	REV: 0
SHEET: 2 OF 3		

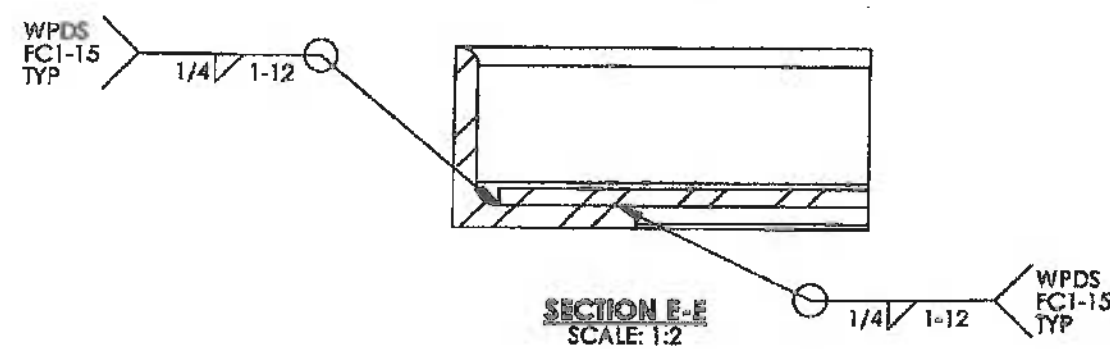
8806

ITEM	QTY.	Description	PART #	LENGTH
201	2	ANGLE IRON 1/4" x 2" x 2" SA36/44W	ANGC22A	85"
202	2	ANGLE IRON 1/4" x 2" x 2" SA36/44W	ANGC22A	25"
203	1	PLATE 3/16" x 24" x B4" SA36/44W	PLAA24B4A	14 sq. ft.

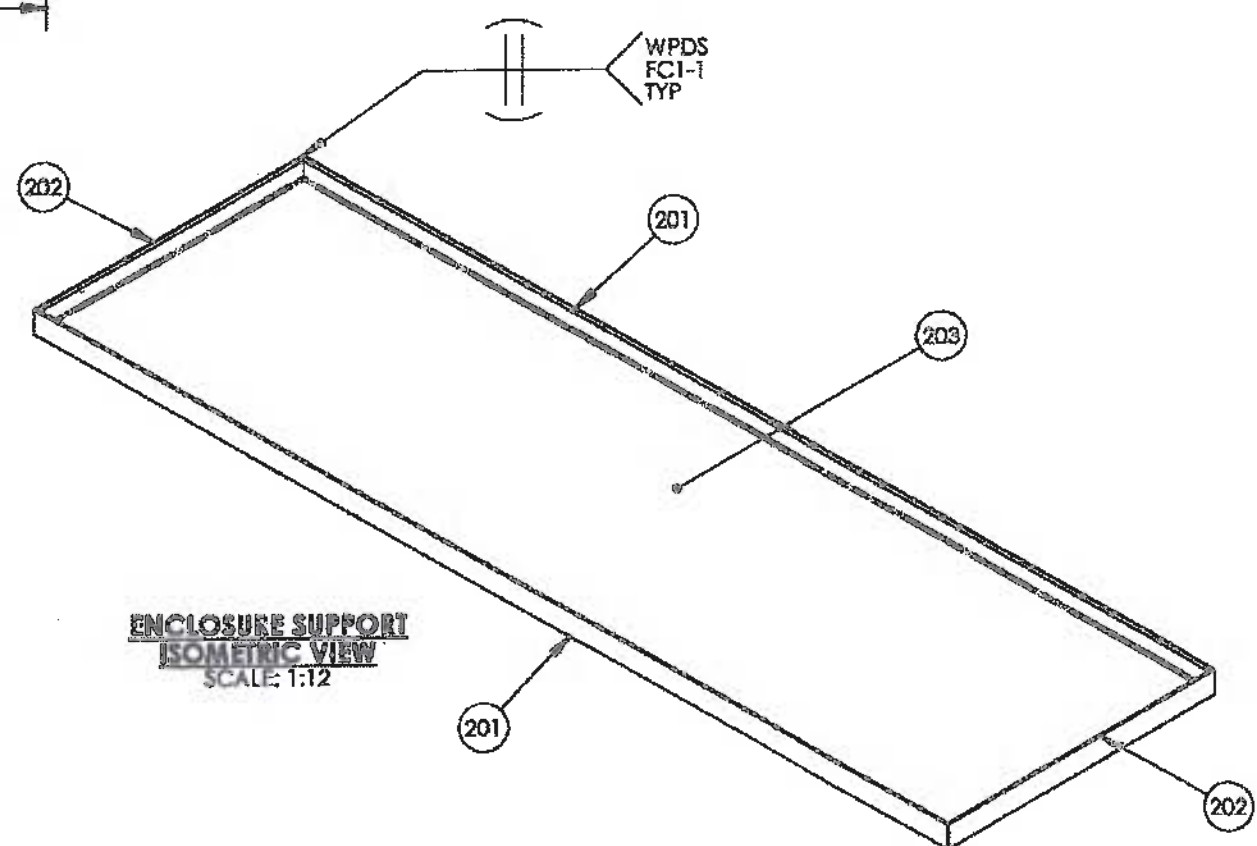


ENCLOSURE SUPPORT
PLAN VIEW
SCALE: 1:12

- NOTES**
1. FABRICATE TO W47.1 AND W59.
 2. RADIUS ALL SHARP EDGES.
 3. ALL WELDS TO BE 1/4" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
 4. WELD PROCESS TO BE MCAW UNLESS OTHERWISE NOTE. WPDS FCI-15



SECTION E-E
SCALE: 1:2



ENCLOSURE SUPPORT
ISOMETRIC VIEW
SCALE: 1:12

ORIGINAL

DOCUMENT NO.	DESCRIPTION	REV	DATE	BY	CHK	APP
08562-3	LINEHEATER SKID ASSEMBLY					
LH-FIRSTK-24-2	LINEHEATER FIRETUBE/STACK ASSEMBLY					
LH-LAD-72	LINEHEATER SKID LADDER ASSEMBLY	0	OCT 31/12	VW		
LH-PH-7224-1	LINEHEATER PREHEAT PIPING	A	OCT 23/12	VW		
REFERENCE DRAWINGS						

ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]*

DATE: JUN - 5 2013

8806-002-D

S/N: _____

ALL DIMENSIONS IN INCHES

NWP INDUSTRIES INC.
Total oilfield supply.

P.O. BOX 6280, INNISFAIR, AB T4G 1S9
PH: (403) 227-4100 FAX: (403) 227-4102

THIS DRAWING IS PROPERTY OF NWP INDUSTRIES INC. AND MAY NOT BE REPRODUCED WITHOUT PERMISSION. THIS DRAWING MUST BE RETURNED UPON REQUEST.

ENCANA CORPORATION
LINEHEATER PACKAGE
3.0 MMBTU
C/W 4"-2500# RTJ SPLIT COILS
BATH ASSEMBLY

DWN: VW CHK: *[Signature]* APP: *[Signature]*

DATE: OCT 05/12 DA: NOV 14 2012 DA: NOV 14 2012

SCALE: 1:12 DWG: 08562-4 REV: 0

SHEET: 3 OF 3

08806