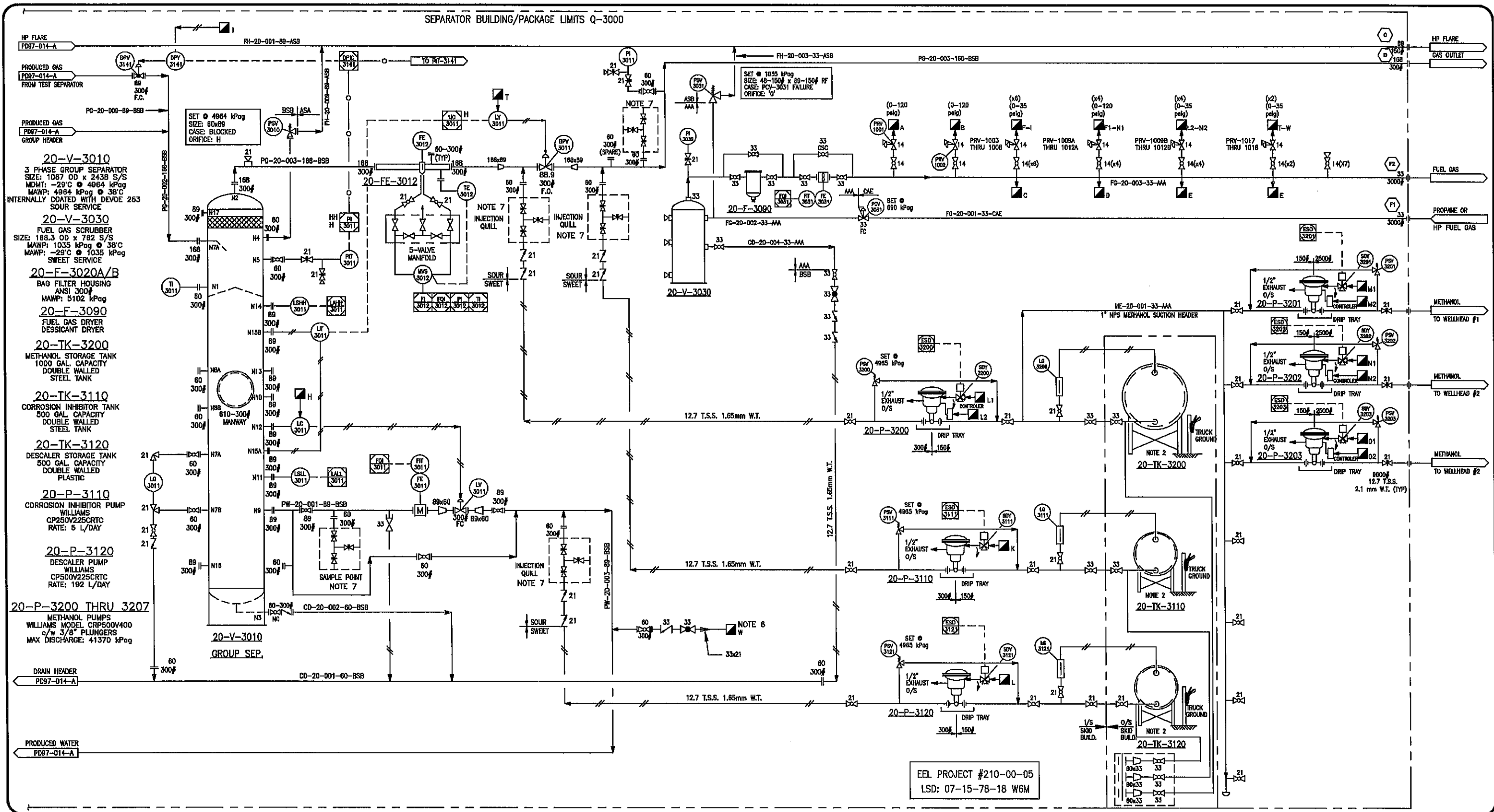




GENERAL NOTES:-							
1. SEPARATORS TO BE FULLY INTERNALLY COATED.							
2. CHEMICAL TANKS SUPPLIED BY ULTRAFAB.							
3. PIPING SHALL BE PER EQUINOX SPEC. VENDOR TO SPECIFY MODEL NUMBERS FOR VALVES WITH SUITABLE CHLORIDE-RESISTANT MATERIAL.							
4. ALL INSTRUMENT TAGS ON THIS DRAWING ARE PREFIXED '20'.							
5. 20" UPSTREAM AND 5" DOWNSTREAM OF METER REQUIRED PER OGC FOR LIQUID & GAS METER.							
6. FUEL GAS PURGE FOR DRAIN HEADER.							
7. SAMPLE QUILL PROVIDED BY EQUINOX, INSTALLED BY ULTRAFAB.							
8. ALL INSTRUMENTS TO BE VENTED OUTSIDE VIA A 1/2" TUBING HEADER, 1 METER ABOVE EAVE HEIGHT.							
9. TUBE FITTING TO BE SWAGELOK.							
10. TUBE FITTING TO BE 316SS.							
REV.	DATE	DESCRIPTION		DRAWN	CHECK	DESIGN	APPR.
1	15-OCT-10	AS BUILT		DZ		LM	
0	20-JUL-10	ISSUED FOR CONSTRUCTION		CB		LM	

ULTRAFAB INDUSTRIES LTD.			
CLIENT: MURPHY OIL c/o EQUINOX ENGINEERING			
TITLE: SEPARATOR PACKAGE SKID (20-PK-3000) SHEET 2 OF 3 - P&ID			
SCALE: N.T.S.	DRAWING No. PD97-014-B	DATE: 10-02-17	TIME: 17:01
Computer File # Projects 2008/07-000/07-014/Drawings/PD97-014-B			

Tag #	Item	P&ID	Model #
MVS-3201	Mutivariable Transmitter 0- 250" W.C., 0 - 3600 psig	PD97-014-A	MVS205E (RSE2DS)
MVS-3202	Mutivariable Transmitter 0- 250" W.C., 0 - 3600 psig	PD97-014-A	MVS205E (RSE2DS)
MVS-3203	Mutivariable Transmitter 0- 250" W.C., 0 - 3600 psig	PD97-014-A	MVS205E (RSE2DS)
FE-3201	3"- 300# ANSI Canalta Senior Meter Run	PD97-014-A	
FE-3202	3"- 300# ANSI Canalta Senior Meter Run	PD97-014-A	
FE-3203	3"- 300# ANSI Canalta Senior Meter Run	PD97-014-A	
TE-3201	2"- 300# ANSI RTD c/w 2"- 300# RF Flanged Thermowell	PD97-014-A	
TE-3202	2"- 300# ANSI RTD c/w 2"- 300# RF Flanged Thermowell	PD97-014-A	
TE-3203	2"- 300# ANSI RTD c/w 2"- 300# RF Flanged Thermowell	PD97-014-A	
ZSC/ZSO-3142	Positioner Switch	PD97-014-A	DXP-L21GNEB
SDV-3142	3"- 300# ANSI RF FC On/Off Valve	PD97-014-A	370D-4 37YRF37 ES0350.U2A04A.27K2
SDY-3142	ASCO 24 Volt Solenoid	PD97-014-A	EF8314G301-24
ESDV-3141	3"- 300# ANSI RF FP FC ESDV	PD97-014-A	370D-4 37YRF37 ES0350.U2A04A.27K2
SDY-3141	ASCO 24 Volt Solenoid	PD97-014-A	EF8314G301-24
ZSC/ZSO-3141	Positioner Switch	PD97-014-A	DXP-L21GNEB
PSV-3141	Farris 1 1/2"- 300# RF x 2"- 150# RF "F" Orifice PSV	PD97-014-A	26FA12-120/S7
PIT-3141	Rosemount Pressure Transmitter	PD97-014-A	2088G3S22A1B4M5C6
TI-3141	Wika Tempreature Gauge c/w Thermowell	PD97-014-A	TBA
LSH-3141	2"- SOR Electric Level Switchs	PD97-014-A	9A-1510C-G3D-C2255
LSHH-3141	2"- SOR Electric Level Switchs	PD97-014-A	9A-1510C-G3D-C2255
LC-3142	2"- Fisher L2 Level Controller	PD97-014-A	L2
FE-3142	2"- 300# ANSI Nufflo Turbine 7/8" Orifice	PD97-014-A	9A-100003551
FIT-3142	MC-III Totalizer	PD97-014-A	9A-50179024
LV-3142	2"- 300# ANSI Fisher D4 Control Valve with 1/4" Trim	PD97-014-A	D4
LG-3142	Quest-tech Reflective	PD97-014-A	91RM
LG-3141	Quest-tech Transparent	PD97-014-A	91TH
LC-3141	2"- Fisher L2 Level Controller	PD97-014-A	L2
FE-3141	1"- 300# ANSI Rosemount 8705 Mag Meter	PD97-014-A	8705TSA010C3W0E5B3DT
FIT-3141	Rosemount Mag Meter 8732E Totalizer	PD97-014-A	8732EST2A1ESC1
LV-3141	2"- 300# ANSI Fisher D4 Control Valve 1/2" Trim	PD97-014-A	D4
FE-3143	3"- 300# ANSI Meter Run	PD97-014-A	
MVS-3143	Mutivariable Transmitter 0 - 250" W.C., 0 - 3600 psig	PD97-014-A	MVS205E (RSE2DS)
TE-3143	2"- 300# ANSI RTD c/w 2"- 300# RF Flanged Thermowell	PD97-014-A	
LSLL-3141	2"- SOR Electric Level Switchs	PD97-014-A	9A-1510C-G3D-C2255
PI-3141	Pressure Gauge	PD97-014-A	233.54
DPCV-3142	Local Differential Pressure Valve	PD97-014-A	Fisher ET 3", 2 5/16" Port
DPC-3142	Local Differential Pressure Controller	PD97-014-A	4194 DP Controller
DP-3142A/B	Drip Pots- 12 LG, 2500 psig MAWP	PD97-014-A	
MFD-3142	5-Way Manifold	PD97-014-A	WM55314

Tag #	Item	P&ID	Model #
DPV-3141	3"- 300# ANSI Fisher Differential Pressure Control Valve	PD97-014-B	667-45-ET
DPY-3141	Positioner Switch	PD97-014-B	DVC6010HC
PSV-3010	Farris 2"- 300# RF x 3"- 150# RF H Orifice PSV	PD97-014-B	26HA12-120/S7
TI-3011	Wika Tempreature Gauge c/w Thermowell	PD97-014-B	TBA
LG-3011	Quest-Tech Reflective	PD97-014-B	91RM
PIT-3011	Rosemount Pressure Transmitter	PD97-014-B	2088G3S22A1B4M5C6
LSHH-3011	2"- SOR Electric Level Switchs	PD97-014-B	9A-1510C-G3D-C2255
LSLL-3011	2"- SOR Electric Level Switchs	PD97-014-B	9A-1510C-G3D-C2255
LIT-3011	Rosemount Level Transmitter	PD97-014-B	
LC-3011	2"- Fisher L2 Level Controller	PD97-014-B	L2
LV-3011	2"- 300# ANSI Fisher D4 Control Valve 1" Trim	PD97-014-B	D4
FE-3011	2"- 300# ANSI Rosemount 8705 Mag Meter	PD97-014-B	8705TSA020C3W0E5B3DT
FIT-3011	Rosemount Mag Meter 8732E Totalizer	PD97-014-B	8732EST2A1ESC1
FE-3012	6"- 300# ANSI Canalta Senior Meter Run	PD97-014-B	
MVS-3012	Mutivariable Transmitter 0 - 250" W.C., 0 - 3600 psig	PD97-014-B	MVS205E (RSE2DS)
TE-3012	2"- 300# ANSI RTD c/w 2" 300# RF Flanged Thermowell	PD97-014-B	
BPV-3011	3"- 300# ANSI Fisher Back Pressure Control Valve 3 7/16" port	PD97-014-B	667-45 ET
LY-3011	Positioner Switch	PD97-014-B	DVC6010HC
PI-3011	Wika Pressure Gauge	PD97-014-B	233.54
PI-3032	Wika Pressure Gauge	PD97-014-B	233.54
PSV-3031	Fisher 1 1/2"- 150# RF x 3"- 150# RF "G" Orifice PSV	PD97-014-B	26GA10A-120/S7
FE-3031	Nufflo Turbine Meter 1"- 150 ANSI RF	PD97-014-B	Barton 7401
FIT-3031	MC-III Totalizer	PD97-014-B	9A-50179024
PCV-3031	Fisher 627 Regulator 1/4" Trim	PD97-014-B	627
PSV-3200	1/4"- Relief Valve - RH4A, PSV (Parker) Set @ 720 psig	PD97-014-B	4M4FRH4AEPRTSS
PSV-3111	1/4"- Relief Valve - RH4A, PSV (Parker) Set @ 720 psig	PD97-014-B	4M4FRH4AEPRTSS
PSV-3121	1/4"- Relief Valve - RH4A, PSV (Parker) Set @ 720 psig	PD97-014-B	4M4FRH4AEPRTSS
PSV-3201	1/4"- Relief Valve - RH4A, PSV (Parker) Set @ 5000 psig	PD97-014-B	4M4FRH4AEPRTSS
PSV-3202	1/4"- Relief Valve - RH4A, PSV (Parker) Set @ 5000 psig	PD97-014-B	4M4FRH4AEPRTSS
PSV-3203	1/4"- Relief Valve - RH4A, PSV (Parker) Set @ 5000 psig	PD97-014-B	4M4FRH4AEPRTSS
PRV-1001	Fisher 67 CFR 0-120 psig c/w PI (0-160 psig)	PD97-014-B	67CFR
PRV-1002	Fisher 67 CFR 0-120 psig c/w PI (0-160 psig)	PD97-014-B	67CFR
PRV-1003	Fisher 67 CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR
PRV-1004	Fisher 67 CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR
PRV-1005	Fisher 67 CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR
PRV-1006	Fisher 67CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR
PRV-1007	Fisher 67 CFR 0-35 psig c/w PI (0-160 psig)	PD97-014-B	67CFR
PRV-1008	Fisher 67 CFR 0-35 psig c/w PI (0-160 psig)	PD97-014-B	67CFR
PRV-1009A	Fisher 67 CFR 0-120 psig c/w PI (0-160 psig)	PD97-014-B	67CFR
PRV-1009B	Fisher 67CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR
PRV-1010A	Fisher 67 CFR 0-120 psig c/w PI (0-160 psig)	PD97-014-B	67CFR
PRV-1010B	Fisher 67CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR
PRV-1011A	Fisher 67 CFR 0-120 psig c/w PI (0-160 psig)	PD97-014-B	67CFR
PRV-1011B	Fisher 67CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR
PRV-1012A	Fisher 67 CFR 0-120 psig c/w PI (0-160 psig)	PD97-014-B	67CFR
PRV-1012B	Fisher 67CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR
PRV-1017	Fisher 67 CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR
PRV-1018	Fisher 67 CFR 0-35 psig c/w PI (0-60 psig)	PD97-014-B	67CFR

SDY-3201	ASCO 24 Volt Solenoid	PD97-014-B	EF8314G301-24
SDY-3202	ASCO 24 Volt Solenoid	PD97-014-B	EF8314G301-24
SDY-3203	ASCO 24 Volt Solenoid	PD97-014-B	EF8314G301-24
SDY-3200	ASCO 24 Volt Solenoid	PD97-014-B	EF8314G301-24
SDY-3111	ASCO 24 Volt Solenoid	PD97-014-B	EF8314G301-24
SDY-3112	ASCO 24 Volt Solenoid	PD97-014-B	EF8314G301-24
LG-3200	Level/Rate Gauge 58"Lg. C/W mm Scale	PD97-014-B	
LG-3111	Level/Rate Gauge 58"Lg. C/W mm Scale	PD97-014-B	
LG-3211	Level/Rate Gauge 58"Lg. C/W mm Scale	PD97-014-B	

Qty #	Tag #	Item
9	BRB10A	3" 300# Ball Valve, RF, A216-WCB, TE or 3 PCE, 316 SS Trim, Floating, RP, Nace, LO
23	BRB10A	2"- 300# Ball Valve, RF, A216-WCB, TE or 3 PCE, 316 SS Trim, Floating, RP, Nace, LO
14	BRT15A	1"- Class 800, Ball Valve, FNPT, SA-105-N, Unibody, 316 SS Trim, RP, Nace
1	BFT15A	1"- Class 800, Ball Valve, FNPT, SA-105-N, Unibody, 316 SS Trim, RP, Nace
10	BFT15A	1/2"- Class 800 Ball Valve, FNPT, SA-105-N, Unibody or Threaded, 316 SS Trim, RP
2	BRT05A	1/2"- Class 800 Ball Valve, FNPT, SA-105-N, Unibody or Threaded, 316 SS Trim, RP
15	BRT05B	1/2"- Class 800, Ball Valve, FNPT, SA-105-N, TE or 3 pce, 316 SS Trim, RP, Nace
3	BRT15A	1/2"- Class 800, Ball Valve, FNPT, SA-105-N, Unibody, 316 SS Trim, RP, Nace
25	BRT05A	1/4"- Class 800, Ball Valve, FNPT, SA-105-N, Unibody or Threaded, 316 SS Trim, RP
1	CSB10A	3"- 300# Check Valve, RF, SA-216-WCB, Swing Type, BC, Nace
5	BRB10A	2"- 300# Check Valve RF, SA-216-WCB, Swing Type, RF, BC, Nace
5	CHT15A	1"- Class 800 Check Valve, FNPT, SA-105-N, Horizontal Lift Piston Type, BC, Nace
9	CHT15A	1/2"- Class 800 Check Valve, FNPT, SA-105-N, Horizontal Lift Piston Type, BC, Nace
2	GLT15A	1"- Class 800 Globe Valve, FNPT, SA-105-N, T-Pattern, OS&Y, BB, Nace
1	GTT14A	1/2"- Class 800 Gate Valve, SW x NPT, SA-105-N, OS&Y, RP, BB, NACE
5	NEP17A	1/2"- 6000# Needle Valve, MNPT x FNPT, SA-479-316, Intergral Hard Seat, Nace
6	NEP17A	1/2"- 6000# Needle Valve, FNPT x FNPT, SA-479-316, Intergral Hard Seat, Nace
3	-	1/2"- 10000# Needle Valve, FNPT x FNPT, SA-479-316, Intergral Hard Seat, Nace
3	GRT14A	1"- Class 800 Gate Valve, SW x NPT, SA-105-N, OS&Y, RP, BB, NACE
20	-	3"- 300# Spec Blind SA-516-70N (5/16" Thk.)

PIPING CLASS: AAA (150 ANSI RF)
SERVICE: SWEET, NORMAL, STD-TEMP
DESIGN: 285 PSIG @ -20°F/+100°F
CORR. ALLOW.: 0.0825"
X-RAY: 10% (ON BW)
PWHT: NO (ON BW)
BW PIPING: SEE SPOOL ISO DRAWINGS
NPT PIPING: SA-105-B SCH 80.
NPT FITTINGS: SA-105-N 3000d
OTHER: HYDROTEST PRESSURE 428 PSI

PIPING CLASS: CAE (800 ANSI RF)
SERVICE: SWEET, NORMAL, STD-TEMP
DESIGN: 1480 PSIG @ -20°F/+100°F
CORR. ALLOW.: 0.0825"
X-RAY: 10% (ON BW)
PWHT: YES (ON BW SPOOLS ABOVE 6" NPS)
BW PIPING: SEE SPOOL ISO DRAWINGS
NPT PIPING: SA-105-B SCH 160.
NPT FITTINGS: SA-105-N 6000d
OTHER: HYDROTEST PRESSURE 2220 PSI

PIPING CLASS: ASB (150 ANSI RF)
SERVICE: SOUR, NORMAL, STD-TEMP
DESIGN: 285 PSIG @ -20°F/+100°F
CORR. ALLOW.: 0.125"
X-RAY: 100% (ON BW)
PWHT: YES (ON BW SPOOLS ABOVE 6" NPS)
BW PIPING: SEE SPOOL ISO DRAWINGS
NPT PIPING: SA-105-B SCH 80.
NPT FITTINGS: SA-105-N 3000d
OTHER: HYDROTEST PRESSURE 428 PSI

PIPING CLASS: BSB (300 ANSI RF)
SERVICE: SOUR, NORMAL, STD-TEMP
DESIGN: 740 PSIG @ -20°F/+100°F
CORR. ALLOW.: 0.125"
X-RAY: 100% (ON BW)
PWHT: YES (ON BW SPOOLS ABOVE 6" NPS)
BW PIPING: SEE SPOOL ISO DRAWINGS
NPT PIPING: SA-105-B SCH 80.
NPT FITTINGS: SA-105-N 3000d
OTHER: HYDROTEST PRESSURE 1110 PSI

EEL PROJECT #210-00-05
LSD: 07-15-78-18 W6M

GENERAL NOTES:--

- SEPARATORS TO BE FULLY INTERNALLY COATED.
- CHEMICAL TANKS SUPPLIED BY ULTRAFAB.
- PIPING SHALL BE PER EQUINOX SPEC. VENDOR TO SPECIFY MODEL NUMBERS FOR VALVES WITH SUITABLE CHLORIDE-RESISTANT MATERIAL.
- ALL INSTRUMENT TAGS ON THIS DRAWING ARE PREFIXED "20".
- 20" UPSTREAM AND 50" DOWNSTREAM OF METER REQUIRED PER OCC FOR LIQUID & GAS METER.
- FUEL GAS PURGE FOR DRAIN HEADER.
- SAMPLE QUILL PROVIDED BY EQUINOX, INSTALLED BY ULTRAFAB.
- ALL INSTRUMENTS TO BE VENTED OUTSIDE VIA A 1/2" TUBING HEADER, 1 METER ABOVE EAVE HEIGHT.
- TUBE FITTING TO BE SWAGelok
- TUBE FITTING TO BE 316SS

REV.	DATE	DESCRIPTION	DRAWN	CHECK	DESIGN	APPR.
1	15-OCT-10	AS BUILT	DZ		LM	
0	20-JUL-10	ISSUED FOR CONSTRUCTION	DZ		LM	

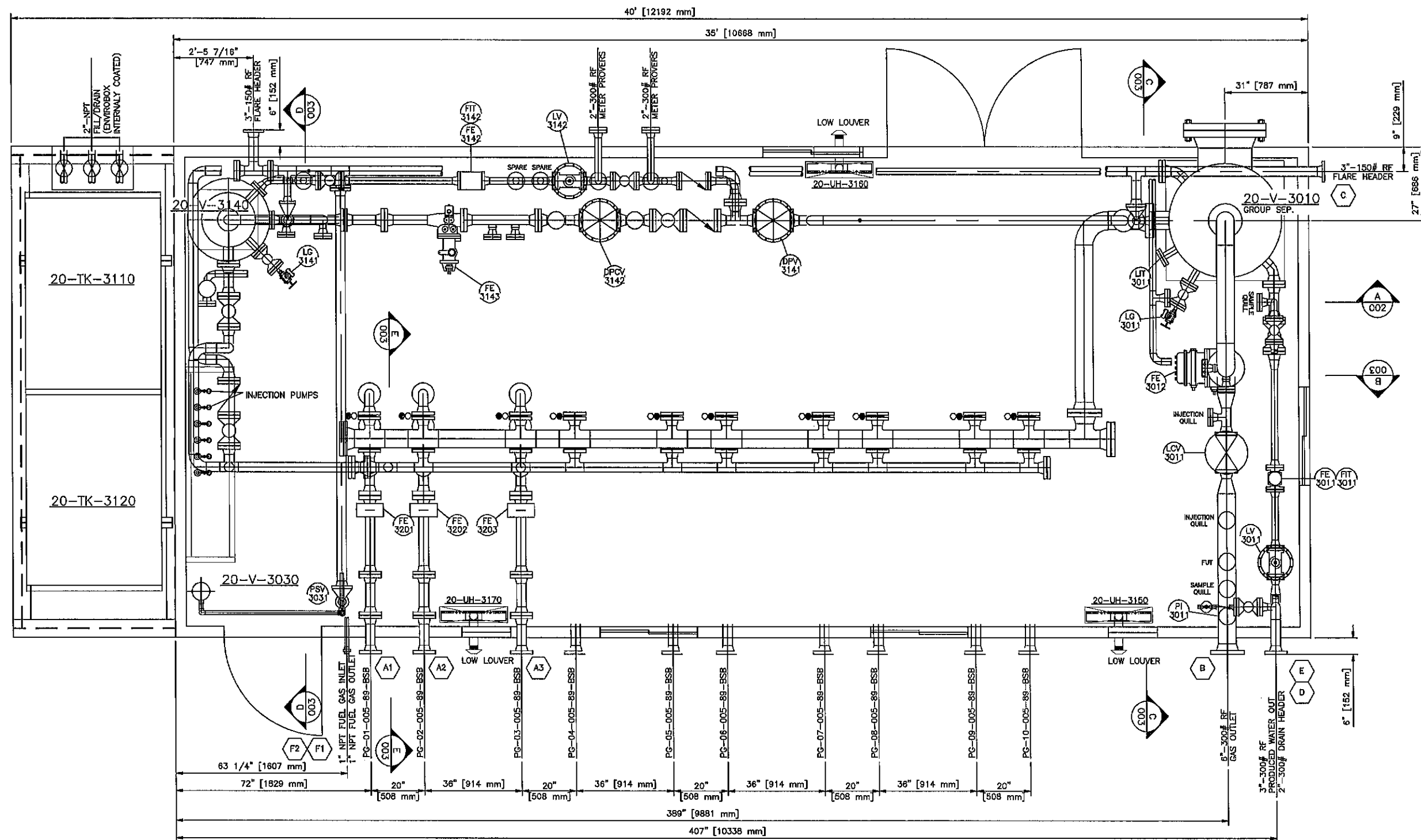
ULTRAFAB INDUSTRIES LTD.

CLIENT: MURPHY c/o EQUINOX ENGINEERING

TITLE: SEPARATOR PACKAGE SKID (20-PK-3000)
SHEET 3 OF 3 - P&ID

SCALE: N.T.S. DRAWING No. PD97-014-C DATE: 10-02-17 TIME: 16:48

FILE: Projects 2009/97-000/97-014/Drawings/PD97-014-C



PLAN VIEW

EEL PROJECT #210-00-05
LSD: 07-15-78-18 W6M

GENERAL NOTES: -

0	16-JUL-10	ISSUED FOR CONSTRUCTION	DZ	LM		
REV.	DATE	DESCRIPTION	DRAWN	CHECK	DESIGN	APPR.

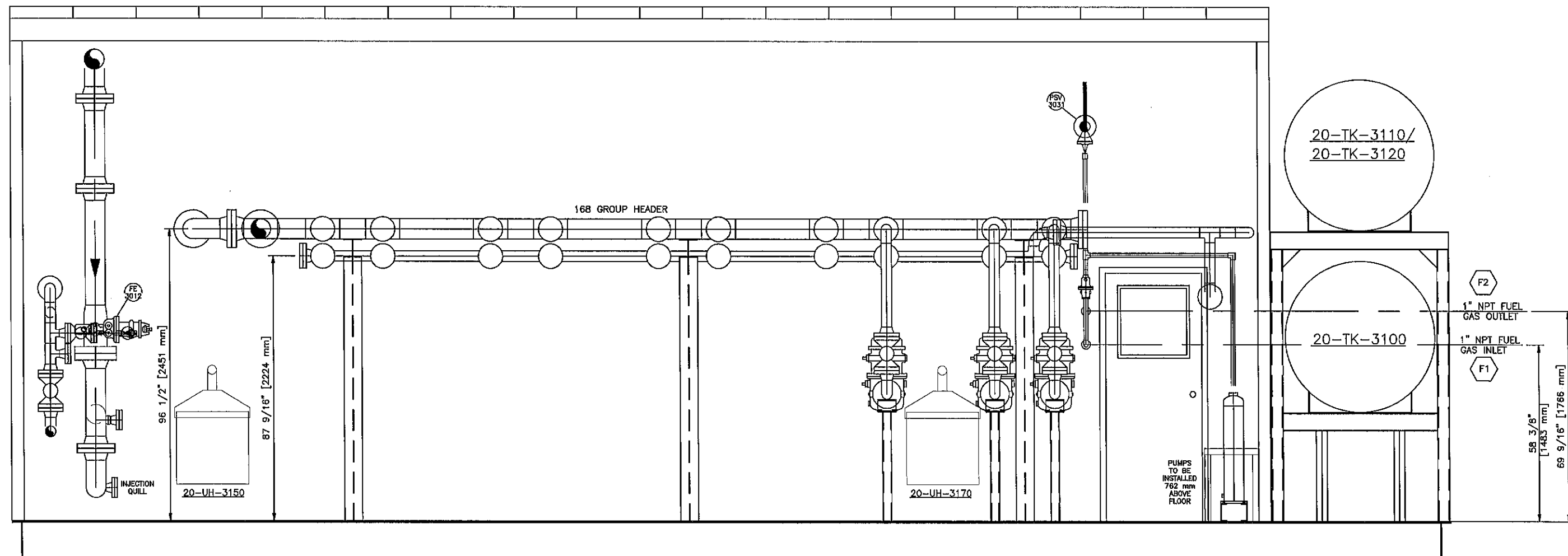
ULTRAFAB INDUSTRIES LTD.

CLIENT: MURPHY OIL c/o EQUINOX ENGINEERING

TITLE: GROUP/TEST METER/SEPARATOR SKID
SHEET 1 OF 4 - GENERAL ARRANGEMENT

SCALE: 1:40 DRAWING No. LA97-014 DATE 10-02-11 TIME 12:57

FILE: - Projects 2009/97-000/97-014/Drawings/LA97-014



SECTION 'B-B'

EEL PROJECT #210-00-05
LSD: 07-15-78-18 W6M

GENERAL NOTES: -

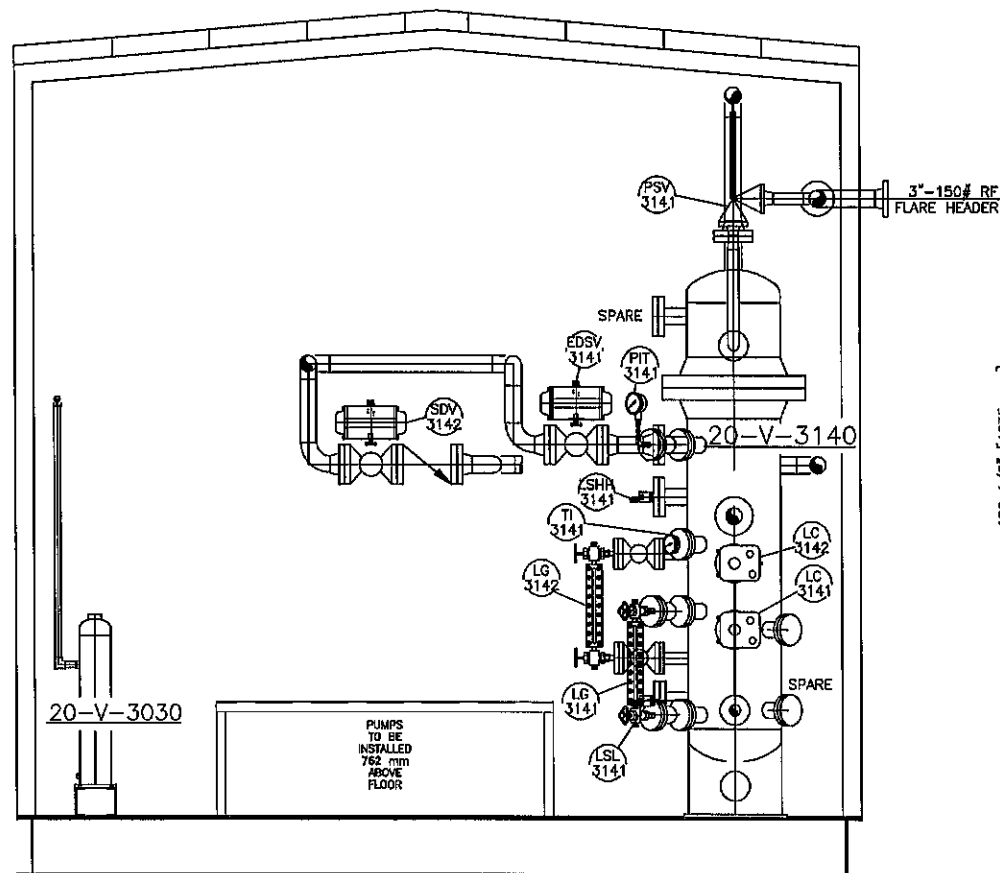
0	16-JUL-10	ISSUED FOR CONSTRUCTION	DZ		LM	
REV.	DATE	DESCRIPTION	DRAWN	CHECK	DESIGN	APPR.

ULTRAFAB INDUSTRIES LTD.

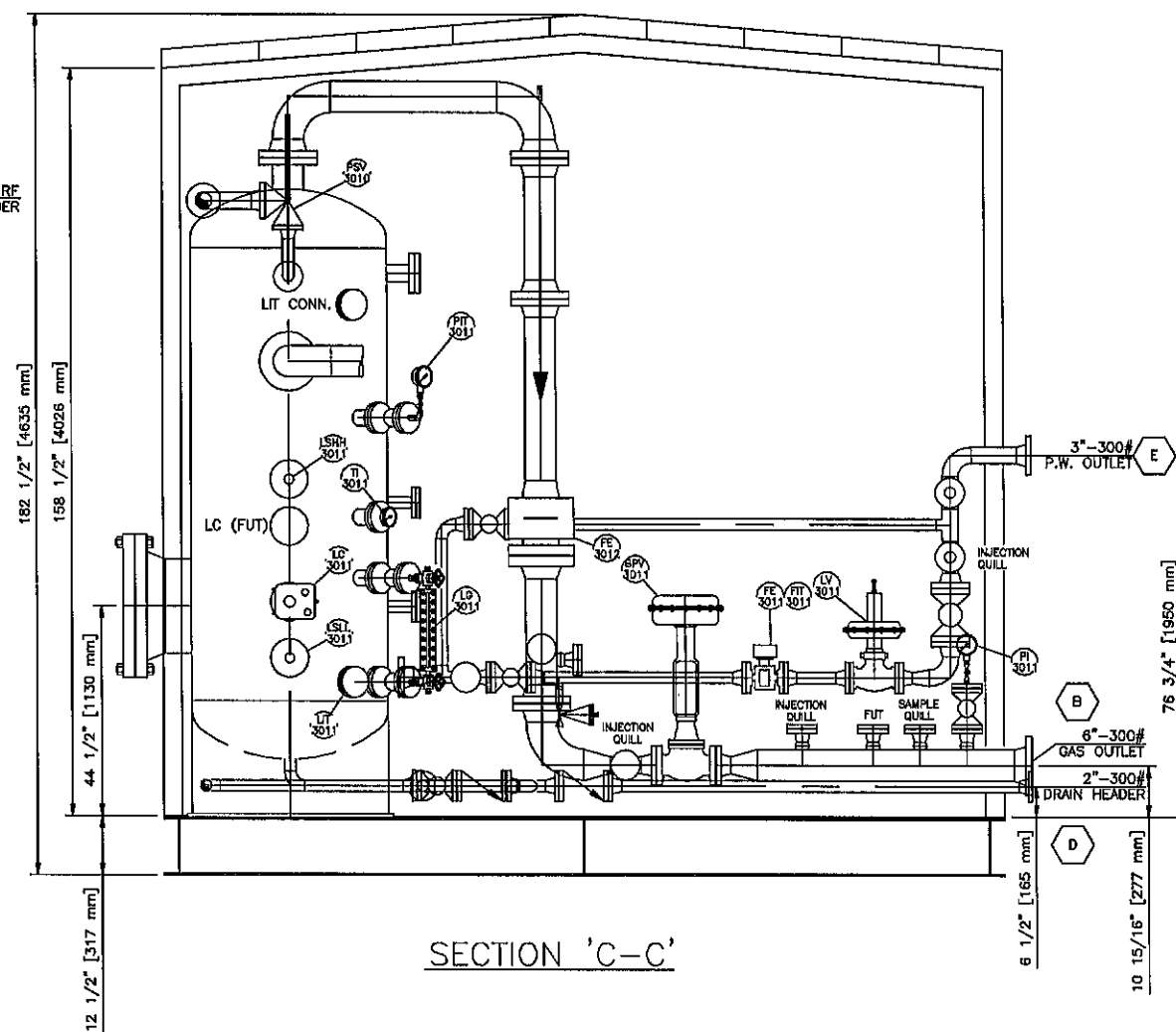
CLIENT: MURPHY OIL c/o EQUINOX ENGINEERING

TITLE: GROUP/TEST METER/SEPARATOR SKID
SHEET 3 OF 4 - GENERAL ARRANGEMENT

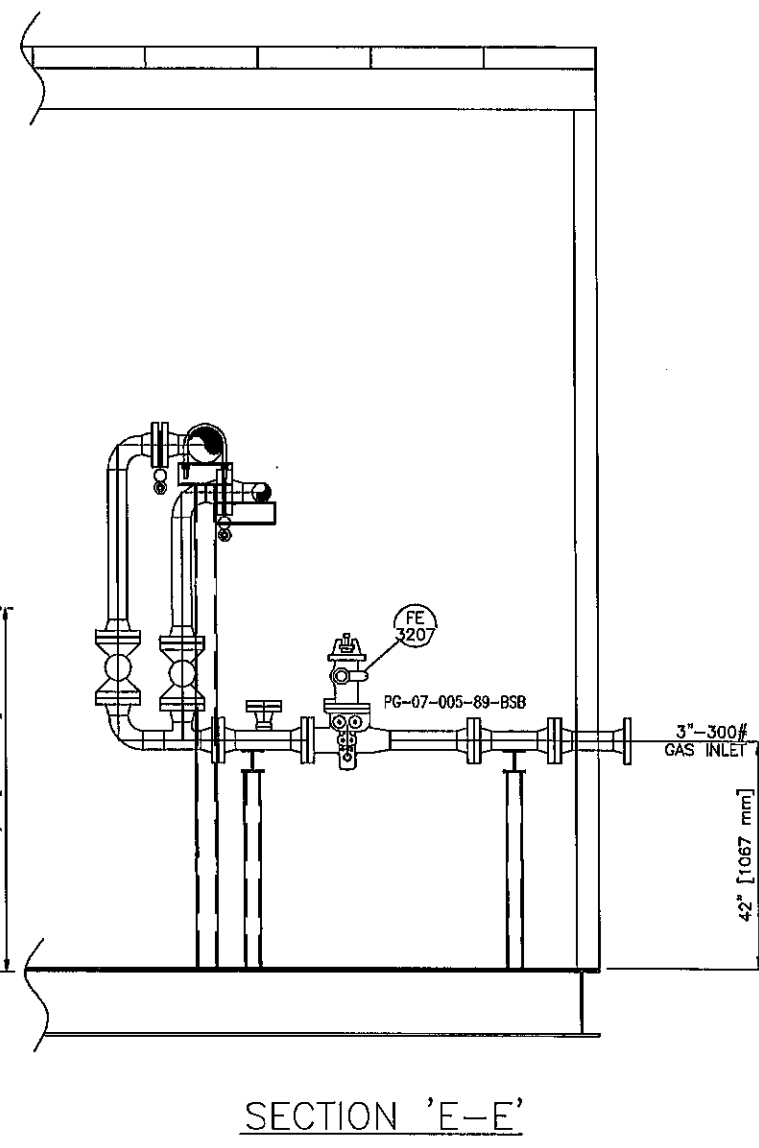
SCALE: 1:30	DRAWING No. LA97-014	DATE: 10-02-11	TIME: 12:57
	Computer File #		
	FILE: Projects 2009/97-000/97-014/Drawings/LA97-014		



SECTION 'D-D'



SECTION 'C-C'



SECTION 'E-E'

EEL PROJECT #210-00-05
LSD: 07-15-78-18 W6M

GENERAL NOTES: -

REV.	DATE	DESCRIPTION	DRAWN	CHECK	DESIGN	APPR.
0	16-JUL-10	ISSUED FOR CONSTRUCTION	DZ		LM	

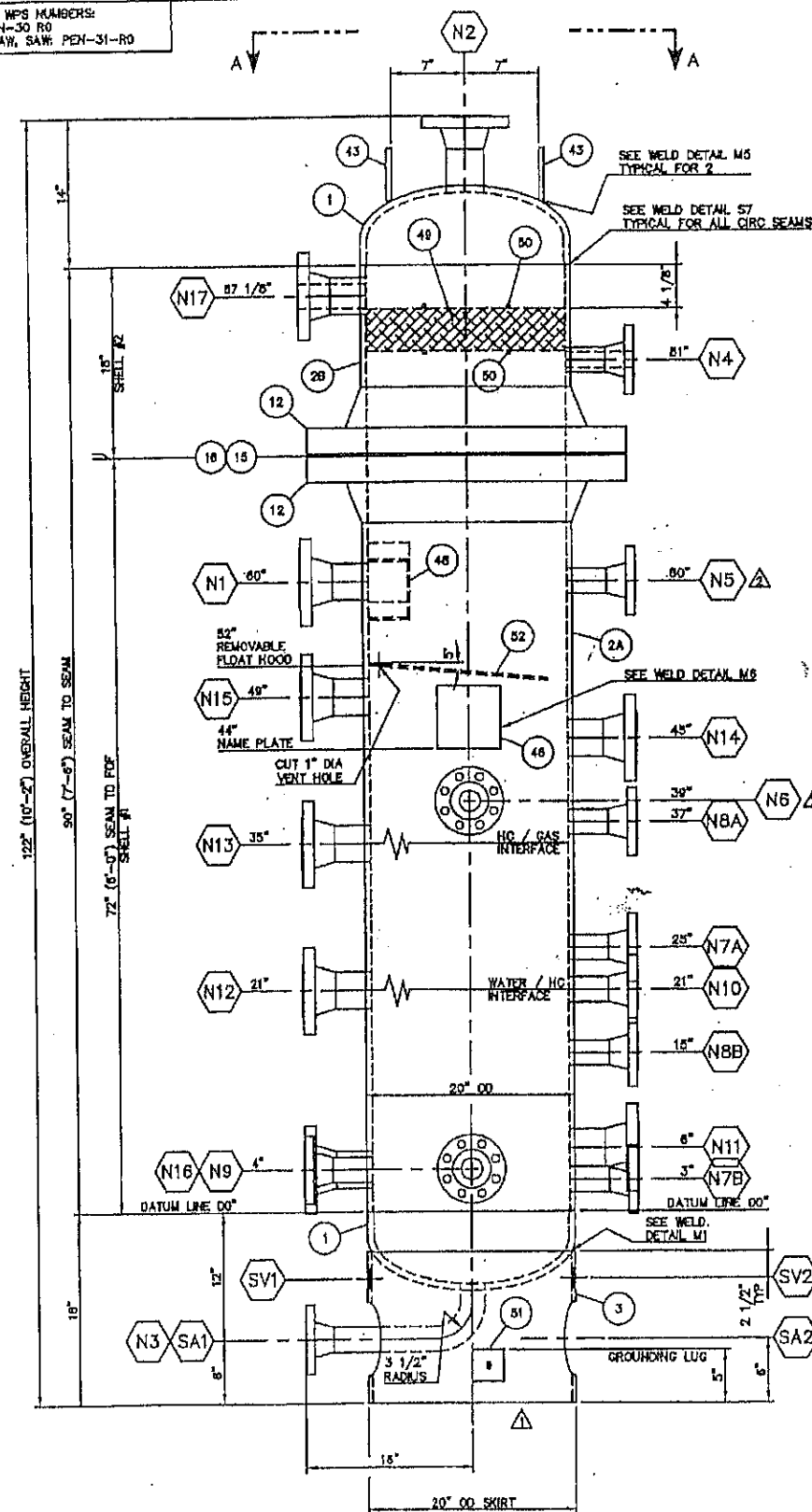
ULTRAFAB INDUSTRIES LTD.

CLIENT:	MURPHY OIL c/o EQUINOX ENGINEERING
TITLE:	GROUP/TEST METER/SEPARATOR SKID SHEET 4 OF 4 - GENERAL ARRANGEMENT
SCALE:	1:30
DRAWING No. & Computer File #	LA97-014
DATE	10-02-11
TIME	12:57
FILE:-	Projects 2009/97-000/97-014/Drawings/LA97-014

U		MANUFACTURED & CERTIFIED BY PENFABCO LTD. EDMONTON AB	
PE 11000		V0952.21	
SERIAL NO.		C.R.N.	
MAWP	740 INTERNAL	MAWP EXTERNAL	PSI AT 100 INTERNAL
MDMT	20 °F AT	740 PSI C.A.	12.5 YEAR
(A) 526955		2010	



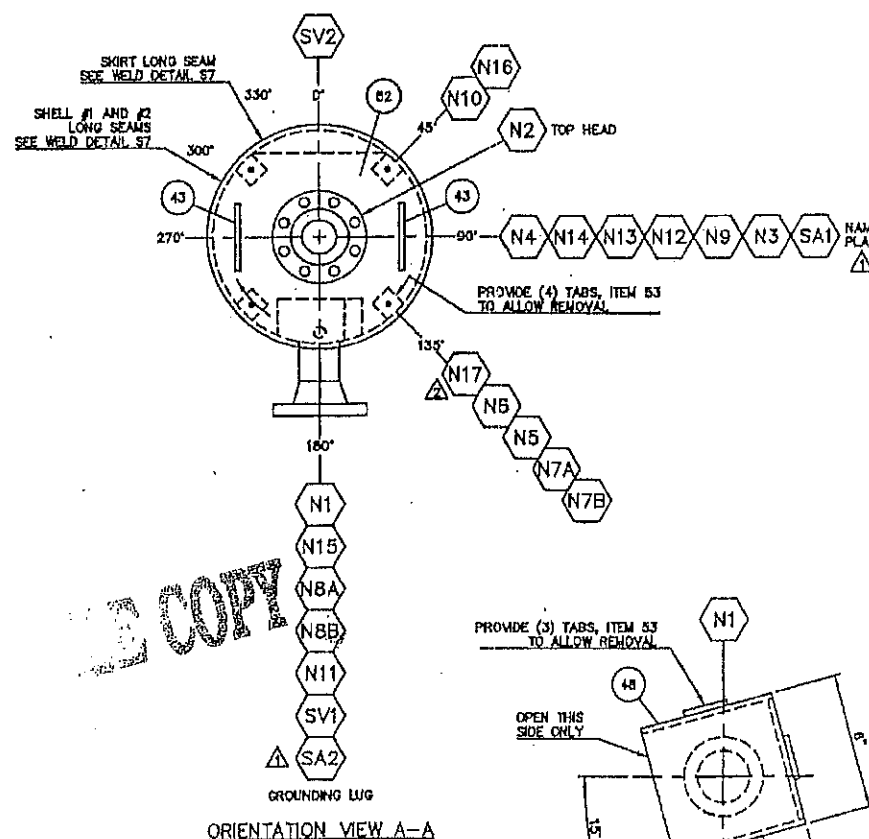
USE PWHT WPS NUMBERS:
 SMAW: PEN-30 R0
 GMAW, SMAW, SAW: PEN-31-R0



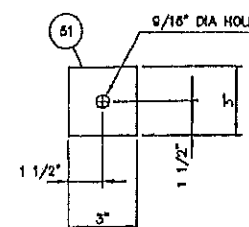
ELEVATION VIEW
SEE ORIENTATION VIEW A-A FOR TRUE ORIENTATION

CONNECTION SCHEDULE												
MARK	QTY	SIZE	SCH	CLASS & TYPE	SERVICE	MINIMUM PROJECTION		WELD SIZE			WELD DETAIL	BOM ITEM N
						INSIDE	OUTSIDE	A	B	C		
N1	1	3"	XOH	300 RFWN	INLET	0"	8"	5/8"	0"	-	N1, F1	8, 21
N2	1	3"	XOH	300 RFWN	GAS OUTLET	0"	AS SHOWN	5/8"	-	-	N1, F1	8, 21
N3	1	2"	XOH	300 RFWN	DRAIN	0"	AS SHOWN	3/8"	-	-	N1, F1	7, 20
N4	1	2"	XOH	300 RFWN	PSV	0"	8"	3/8"	-	-	N1, F1	7, 20
N5	1	2"	XOH	300 RFWN	PI	0"	8"	3/8"	-	-	N1, F1	7, 20
N6	1	2"	XOH	300 RFWN	TI	0"	8"	3/8"	-	-	N1, F1	7, 20
N7A, N7B	2	2"	XOH	300 RFWN	WATER LG	0"	8"	3/8"	-	-	N1, F1	7, 20
N8A, N8B	2	2"	XOH	300 RFWN	HYDROCARBON LG	0"	8"	3/8"	-	-	N1, F1	7, 20
N9	1	2"	XOH	300 RFWN	WATER OUTLET	0"	8"	3/8"	-	-	N1, F1	7, 20
N10	1	2"	XOH	300 RFWN	HYDROCARBON OUTLET	0"	8"	3/8"	-	-	N1, F1	7, 20
N11	1	3"	XOH	300 RFWN	WATER LSSL / INSPECTION	0"	8"	5/8"	-	-	N1, F1	8, 21
N12	1	3"	XOH	300 RFWN	WATER LG	0"	8"	5/8"	-	-	N1, F1	8, 21
N13	1	3"	XOH	300 RFWN	HYDROCARBON LG	0"	8"	5/8"	-	-	N1, F1	8, 21
N14	1	3"	XOH	300 RFWN	LSH	0"	8"	5/8"	-	-	N1, F1	8, 21
N15	1	3"	XOH	300 RFWN	LSH	0"	8"	5/8"	-	-	N1, F1	8, 21
N16	1	3"	XOH	300 RFWN	SPARE	0"	8"	5/8"	-	-	N1, F1	8, 21
N17	1	3"	XOH	300 RFWN	SPARE	0"	8"	5/8"	-	-	N1, F1	8, 21
SA1, SA2	2	7 1/2"			SKIRT ACCESS							
SV1, SV2	2	2" DIA			SKIRT VENT							

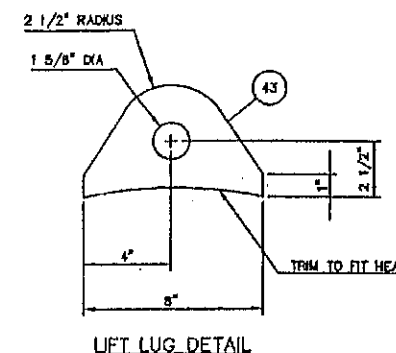
BILL OF MATERIALS				
ITEM	QTY	REMARKS	DESCRIPTION	MATERIAL
1	2	HEADS	PL - 20" OD x 5/8" NOM (0.5025" MIN) 2:1 SE, 2' 5" SCARF 3:1	SA-516-70
2A	1	SHELL #1	PLATE - 20" OD x 1/2" THK x 55 5/8" LG	SA-516-70
2B	1	SHELL #2	PLATE - 20" OD x 1/2" THK x 11 1/2" LG	SA-516-70
3	1	SKIRT	PLATE - 20" OD x 3/8" THK x 14 3/8" LG SHOP CHECK	SA-516-70
7	10	N3 - N10	FLANGE - 2" CLASS 300 RFWN - SCH. 40X BORE	SA-105H
8	9	N1, N2, N11-N17	FLANGE - 3" CLASS 300 RFWN - SCH. 40X BORE	SA-105H
12	2	BREAK FLANGES	FLANGE - 20" CLASS 300 RFWN - SCH. 40X BORE	SA-105H
18	1	BREAK FLANGES	GASRET - 20" CLASS 300 SPIRAL WOUND x 1/8" THK	316L SS
16	24	BREAK FLANGES	STUDS - 1 1/4" DIA x 6 1/4" LG o/w 2 NUTS EACH (SA-194-2H)	SA-193-B
20	10	N3 - N10	PIPE - 2" SCH. 40X (436") x CUT TO SUIT	SA-106-B
21	9	N1, N2, N11-N17	PIPE - 3" SCH. 40X (600") x CUT TO SUIT	SA-106-B
41				
43	2	LIFT LUGS	PLATE - 1/2" THK x 5" x 5" LG SEE DETAIL	SA-516-70
46	1	NAME PLATE	PENFABCO STANDARD NAME PLATE AND BRACKET	SS/640.21-A
47				
48	1	INLET DEFLECTOR	PLATE - 1/4" THK x 5" SQ x 4" DP FABRICATED BOX, SEE DETAIL	SA-212-H
49	1	MIST ELIMINATOR	MIST PAD - 4" THK x 19" OD x 84/RTS REMOVABLE	316L SS
50	1	PAD SUPPORT	ROUND BAR - 1/2" DIA x 140" LG CUT TO SUIT	Q40.21-44
51	1	GROUNDING LUG	PLATE - 1/4" THK x 3" x 3" LG SEE DETAIL	SA-516-70
52	1	FLOAT HOOD	PLATE - 1/4" THK x 18 7/8" OD x 17" HIGH	Q40.21-44
53	7	REMOVAL TABS	FLAT BAR - 1/4" THK x 2" x 2" LG o/w 7/16" HOLE, SS BOLTS	Q40.21-44
54				
55				



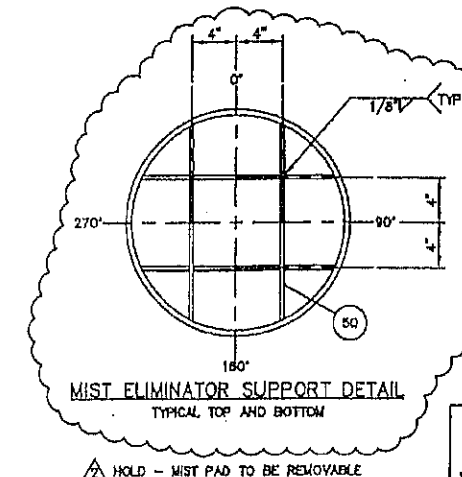
ORIENTATION VIEW A-A



GROUNDING LUG DETAIL



LIFT LUG DETAIL



MIST ELIMINATOR SUPPORT DETAIL
TYPICAL TOP AND BOTTOM

7 HOLD - MUST PAD TO BE REMOVABLE

DESIGN NOTES

DESIGN & FABRICATE TO: ASME SECTION VIII, DIVISION 1;
2007 EDITION, 2009 ADDENDA
MAXIMUM ALLOWABLE WORKING PRESSURE (MAWP): 740 PSIG
DESIGN TEMPERATURE: 100° F
MINIMUM DESIGN METAL TEMPERATURE (MDMT): -20° F AT 740 PSIG
IMPACT TESTS: EXEMPT FOR UCS-201 1-5, FLANGED FOR UCS-66,
FULL PER UCS-66, NOTE C
RADIOGRAPHY: FULL PER UW-11a
PWHT PER UCS-54: YES
TEMPERATURE AND TIME: 1125° F ±25° F FOR 30 MINUTES (MINIMUM)
HYDROSTATIC TEST PRESSURE: 1112 PSIG
CORROSION ALLOWANCE: 1/8"
WEIGHT ENH: 2,600 LBS
WEIGHT LBS OF WATER: 3,650 LBS

GENERAL NOTES

1. QUALITY CONTROL PROGRAM NUMBER: ACP-1040(S)
2. WELDING PROCEDURE REGISTRATION NUMBER: WP-418.2
3. CAPACITY: 16.7 FT³
4. SERVICE: HYDROCARBONS
5. SURFACE PREPARATION:
INSIDE: WHITE METAL BLAST SSPC-SP5
OUTSIDE: COMMERCIAL SANDBLAST SSPC-SP6
6. PRIME AND PAINT: AS PER CLIENT SPECIFICATIONS
7. ALL BOLT HOLES TO STRADDLE CENTERLINES.
8. CLEAN AND COVER ALL OPENINGS FOR SHIPMENT.
9. WTR: TO BE PROVIDED FOR ALL PRESSURE RETAINING PARTS.
10. WELD ALL JOINTS TO 1/16".
11. REFERENCE DRAWINGS: PE-11500 SHEETS 1, 2 CRN FOR AB, BG, SH
12. INTERNAL COATING: DEVCO 253 (ALL INTERNALS TO BE REMOVABLE)

(12) UNITS REQUIRED

JOE NO:
PE-11806
PE-11807
PE-11808
PE-11809
PE-11810
PE-11811
PE-11812
PE-11813
PE-11814
PE-11815
PE-11816
PE-11817

APPROVED FOR CONSTRUCTION

BY: MB DATE: Apr 1/10

PENFABCO LTD.

5715 - 58 AVE NW EDMONTON, ALBERTA T6B 3G1
PH: (780) 434-0222 FAX: (780) 436-1487

THE CONTENTS OF THIS DRAWING ARE CONFIDENTIAL, AND MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF ROCKWELL INT'L.

CUSTOMER	
----------	--

ULTRAFAB INDUSTRIES LTD.

TEST SEPARATOR TAG: 20-V-3140

20" OD x 7'-6" S/S
740 PSIG AT -20° F / 100° F, 1/8" CA

OWN BY:	CHK'D BY:	APP'D BY:	DATE:	SCALE:	CRN:	DRAWING NO:	RE:
PJD...	MB	PJD...	DEC 15/09	NTS	NOTE 11	PE-11606-1	

11609 (3)

U				MANUFACTURED & CERTIFIED BY PENEABCO LTD. EDMONTON AB			
R.I.I. H.I.		P.E. 11613		V.6.5.3.2.1		C.R.I.	
MAYP 240 INTERNAL		M.7 A EXTERNAL		PSI AT 100 INTERNAL		M.7 A EXTERNAL	
MDMT 20		°F AT 240		PSI CA. 125		2010 184P	
(A)526900							


 O.A.T.S. 6097
 5/24/10

The image contains two technical drawings of grounding lugs.

GROUNDING LUG DETAIL: This drawing shows a rectangular lug with a central hole. The hole is labeled "Ø 1/8\" DIA HOLE". The lug has a width of 3 inches and a height of 1 1/2 inches. A dimension of 1 1/2 inches is shown from the bottom edge to the center of the hole. A circled number "84" is in the upper left corner.

LIFT LUG DETAIL: This drawing shows a lug with a semi-circular top. The top radius is labeled "2 1/2\" RADIUS". The central hole is labeled "Ø 5/8\" DIA". The lug has a base width of 8 inches and a base height of 4 inches. The top height is 2 1/2 inches, and the side height is 1 inch. A dimension of 1 inch is shown from the side edge to the center of the hole. A circled number "56" is in the upper right corner. A note "TRIM TO FIT HEAD" points to the side of the lug.

MARK	QTY	SIZE	SCH	WALL & TYPE	SERVICE	MINOR PROJECTION		WELD SIZE			WELD DETAIL	BOM ITEM NO.
						INSIDE	OUTSIDE	A	B	C		
N1	1	8"	XH	300 RFWN	INLET	AS SHOWN	7"	3/8"	0"	5/8"	N3, F1	5, 18, 33
N2	1	8"	1.06"	300 RFLWN	GAS OUTLET	1 1/4"	AS SHOWN	3/8"	0"	-	N2, F1	20
N3	1	2"	XXH	300 RFWN	DRAIN	0"	AS SHOWN	3/8"	-	-	N1, F1	13, 30
N4	1	2"	XXH	300 RFWN	PSV	0"	8"	3/8"	-	-	N1, F1	13, 30
N5	1	2"	XXH	300 RFWN	PI	0"	6"	3/8"	-	-	N1, F1	13, 30
N6	1	2"	XXH	300 RFWN	TI	0"	6"	3/8"	-	-	N1, F1	13, 30
N7A, N7B	2	2"	XXH	300 RFWN	WATER LG	0"	6"	3/8"	-	-	N1, F1	13, 30
N8A, N8B	2	2"	XXH	300 RFWN	HYDROCARBON LG	0"	6"	3/8"	-	-	N1, F1	13, 30
N9	1	3"	XXH	300 RFWN	WATER OUTLET	0"	AS SHOWN	3/8"	-	1/2"	N4, F1	4, 14, 31, 66
N10	1	3"	XXH	300 RFWN	HYDROCARBON OUTLET	0"	AS SHOWN	3/8"	-	1/2"	N4, F1	4, 14, 31, 66
N11	1	3"	XXH	300 RFWN	LSL / INSPECTION	0"	6"	3/8"	-	1/2"	N4, F1	4, 14, 31
N12	1	3"	XXH	300 RFWN	WATER LG	0"	6"	3/8"	-	1/2"	N4, F1	4, 14, 31
N13	1	3"	XXH	300 RFWN	HYDROCARBON LG	0"	6"	3/8"	-	1/2"	N4, F1	4, 14, 31
N14	1	3"	XXH	300 RFWN	LSH	0"	6"	3/8"	-	1/2"	N4, F1	4, 14, 31
N15A, B	2	3"	XXH	300 RFWN	LIT	0"	6"	3/8"	-	1/2"	N4, F1	4, 14, 31
N16	1	3"	XXH	300 RFWN	SPARE	0"	AS SHOWN	3/8"	-	1/2"	N4, F1	4, 14, 31, 66
N17	1	3"	XXH	300 RFWN	SPARE	0"	AS SHOWN	3/8"	-	1/2"	N4, F1	4, 14, 31, 66
M1	1	20"	60	300 RFWN	MANWAY	0"	12"	3/8"	-	5/8"	N4, F1	8, 22, 23, 35
SA1, SA2	2	7 1/2"			SKIRT ACCESS							
SV1, SV2	2	2" DIA			SKIRT VENT							

ITEM	QTY	REMARKS	DESCRIPTION	MATERIAL
1	2	HEADS	PLATE - 42" OD x 1" NOM THK (0.900" MIN) 21 SE, 2" SF	SA-516-70H
2	1	SHELL	PLATE - 42" OD x 1" THK x 8'-0" LG	SA-516-70H
3	1	SKIRT	PLATE - 42" OD x 3/8" THK x 19 1/2" LG	SA-516-70H
			SHOP CHECK	
4	10	N9-N17 REPADS	PLATE - 5/8" THK x 7 1/2" OD x 3 5/8" ID ROLL 42" ID, NOTE 9	SA-516-70H
5	1	N1 REPAD	PLATE - 3/4" THK x 12" OD x 6 3/4" ID ROLL 42" ID, NOTE 9	SA-516-70N
8	1	M1 REPAD	PLATE - 1" THK x 33" OD x 20 1/8" ID ROLL 42" ID, NOTE 9	SA-516-70N
13	8	N3 - N8	FLANGE - 2" CLASS 300 RFWN - SCH XXH BORE	SA-105N
14	10	N9 - N17	FLANGE - 3" CLASS 300 RFWN - SCH XXH BORE	SA-105N
16	1	N1	FLANGE - 6" CLASS 300 RFWN - SCH XH BORE	SA-105N
20	1	N2	FLANGE - 6" CLASS 300 RFLWN x 12" LG	SA-105N
22	1	M1	FLANGE - 20" CLASS 300 RFWN - SCH 80 BORE	SA-105N
23	1	M1	FLANGE - 20" CLASS 300 RF BUND	SA-105N
24				
25	1	M1	GASKET - 20" CLASS 300 SPIRAL WOUND x 1/8" THK	318L SS
26	24	M1	STUDS - 1 1/4" DIA x 8 1/4" LG o/w 2 NUTS EACH (SA-194-2H)	SA-193-B7
30	8	N3 - N8	PIPE - 2" SCH XXH (.438") x CUT TO SUIT	SA-106-B
31	10	N9 - N17	PIPE - 3" SCH XXH (.600") x CUT TO SUIT	SA-106-B
33	1	N1	PIPE - 6" SCH XH (.432") x 7" LG	SA-106-B
35	1	M1	PIPE - 20" SCH 60 (.812") x 9 1/2" LG	SA-106-B
53	4	REMOVAL TABS	FLAT BAR - 1/4" THK x 2" x 2" LG o/w 7/16" HOLE, SS BOLTS	640.21-44W
54				
56	2	LIFT LUGS	PLATE - 1/2" THK x 6" x 8" LG	SEE DETAIL
57				
58	1	DAVIT	PENFABCO STANDARD 20" CLASS 300 DAVIT DWG NO: PEN-20-300	
59	1	NAME PLATE	PENFABCO STANDARD NAME PLATE AND BRACKET	SS/640.21-44W
60	1	INLET DEFLECTOR	ELBOW - 6" SCH STD (.280") LR 90° WELD	SA-234-WPB
61	1	PAD SUPPORT	PIPE - 18" SCH STD (.375") x 9" LG	SA-106-B
62	1	MIST ELIMINATOR	MIST PAD - 4" THK x 17 1/4" OD x 9 1/4" FT3	316L SS
63	1	PAD SUPPORT	ROUND BAR - 1/2" DIA x 126" LG	CUT TO SUIT
64	1	GROUNDING LUG	PLATE - 1/4" THK x 3" x 3" LG	SEE DETAIL
65	1	FLOAT HOOD	PLATE - 1/4" THK x 39 7/8" OD x 36" HIGH	640.21-44W
66	2	N9, N10, N16, N17	ELBOW - 3" SCH XXH (.600") LR 45° WELD	SA-234-WPB
67	1	MIST PAD SUPP'T	FLAT BAR - 1/4" THK x 1" x GTS ROLL HW-17 1/8" OD, STOP RING	640.21-44W
68	1	MIST PAD SUPP'T	FLAT BAR - 1/4" THK x 1" x GTS ROLL HW-16 1/8" ID, TOP RING	640.21-44W
69	1	MIST PAD SUPP'T	PLATE - 1/4" THK x 26" OD x 16" ID	BOTTOM RING
70				

DESIGN & FABRICATE TO: ASME SECTION VIII, DIVISION 1,
2007 EDITION, 2009 ADDENDA
MAXIMUM ALLOWABLE WORKING PRESSURE (MAWP): 740 PSIG
DESIGN TEMPERATURE: 100° F
MINIMUM DESIGN METAL TEMPERATURE (MDMT): -20° F AT 740 PSIG
IMPACT TESTS: EXEMPT PER UG-201.1(c), FLANGES PER UCS-66g,
STUDS PER UCS-66, NOTE D
RADIOGRAPHY: FULL PER UW-11a (SEE NOTE B)
PWHT PER UCS-56: YES
TEMPERATURE AND TIME: 1125° F $\pm$ 25° F FOR 60 MINUTES (MINIMUM)
HYDROSTATIC TEST PRESSURE: 1113 PSIG
CORROSION ALLOWANCE: 1/8"
WEIGHT EMPTY: 7,000 LBS
WEIGHT FULL OF WATER: 12,200 LBS

1. QUALITY CONTROL PROGRAM NUMBER: AQF-1046(S)
2. WELDING PROCEDURE REGISTRATION NUMBER: WP-418.2
3. CAPACITY: 82.1 FT³
4. SERVICE: HYDROCARBONS
5. SURFACE PREPARATION:
 - INSIDE: WHITE METAL BLAST SSPC-SP5
 - OUTSIDE: COMMERCIAL BLAST SSPC-SP6
6. PRIME AND PAINT: AS PER CLIENT SPECIFICATIONS
7. ALL BOLT HOLES TO STRADDLE CENTERLINES
8. CLEAN AND COVER ALL OPENINGS FOR SHIPMENT.
9. ALL REPAIRS, OR SEGMENT IF MORE THAN ONE PIECE IS USED, TO HAVE A MAXIMUM 1/4" NPT WEEP HOLE ON THE SHELL, THE WELD IN A TWO-PIECE REPAIR SHALL BE LOCATED IN THE CIRCUMFERENTIAL DIRECTION.
10. MTRs TO BE PROVIDED FOR ALL PRESSURE RETAINING PARTS.
11. HOLD ALL DIMENSIONS TO 1/16".
12. REFERENCE DRAWINGS: PE-11115 SHEETS 1, 2 CRN: FOR AS, BO, SK
13. INTERNAL COATING: DEVOE 253 (ALL INTERNALS TO BE REMOVABLE)

JOB NOs:
PE-11818
PE-11819
PE-11820
PE-11821
PE-11822
PE-11823
PE-11824
PE-11825
PE-11826
PE-11827
PE-11828
PE-11829

BY: 7MB DATE: Mar 31/10

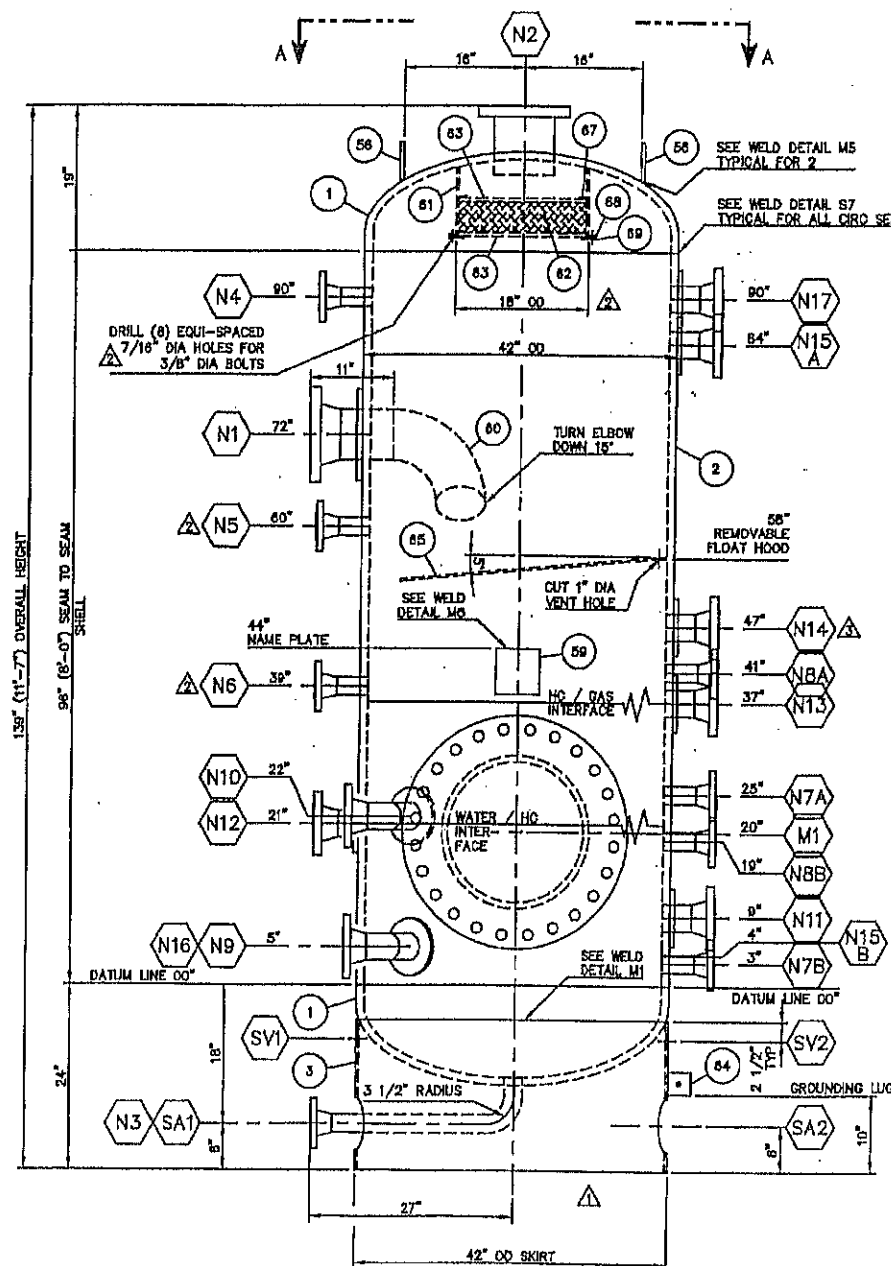
ULTRAFAB INDUSTRIES LTD.

THE CONTENTS OF THIS DRAWING ARE CONFIDENTIAL AND MAY NOT BE REPRODUCED
IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF MENARD LTD.

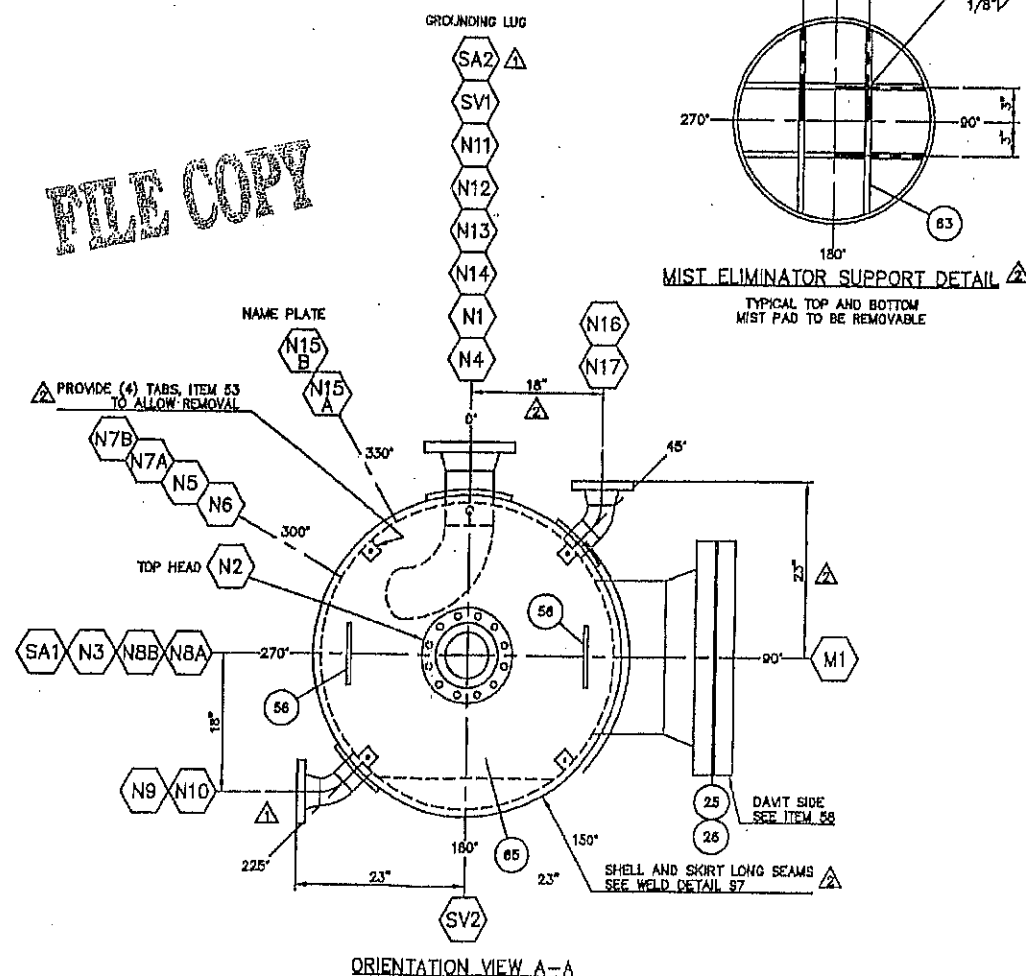
42" OD x 8'-0" S/S
740 PSIG AT -20° F / 100° F, 1/8" CA

DWN BY:	CHK'D BY:	APP'D BY:	DATE:	SCALE:	CRN:	DRAWING NO:	REV:
PJD...	MB	PJD...	DEC 15/09	NTS	NOTE 12	PE-11618-1	3

11619

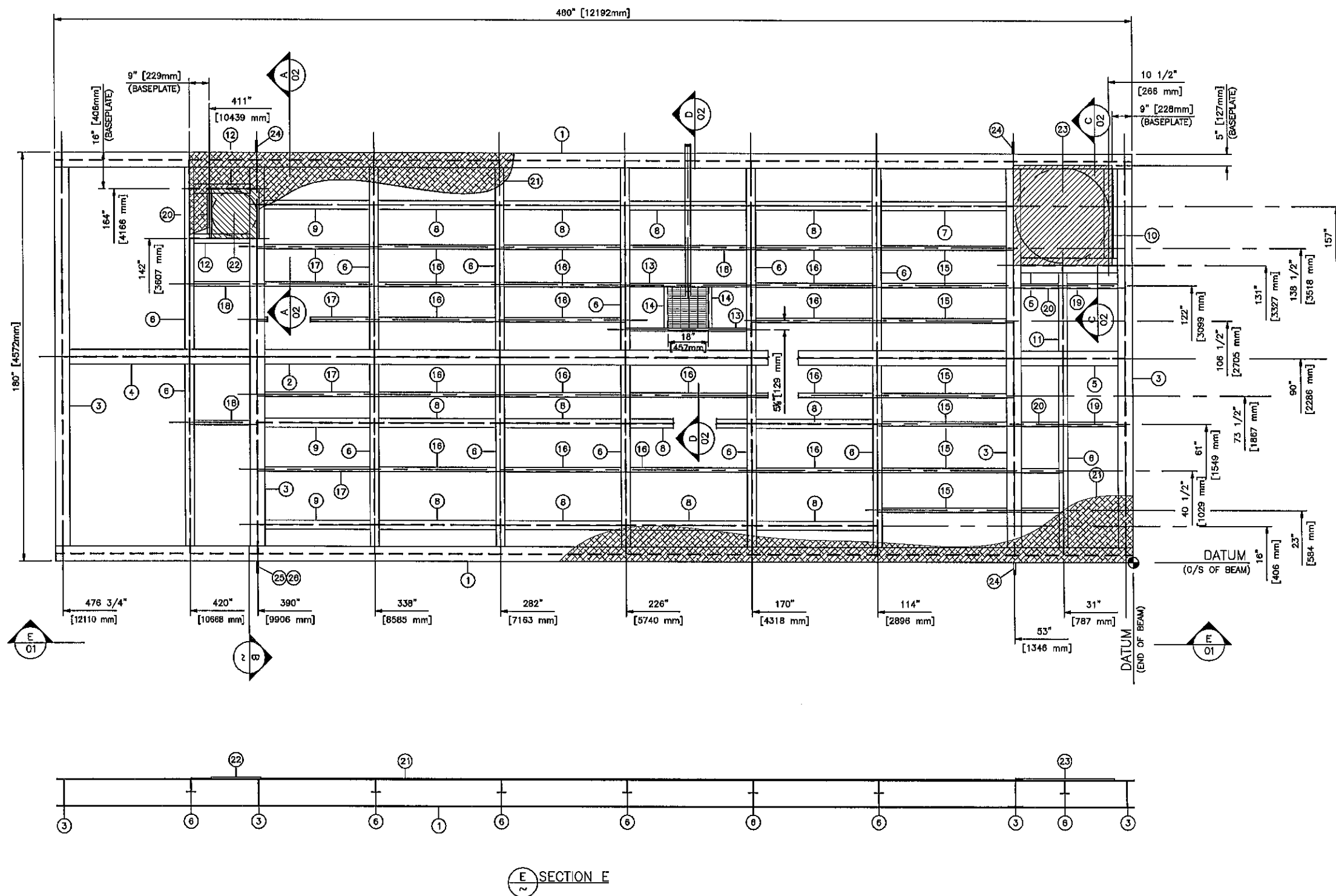


ELEVATION VIEW
SEE ORIENTATION VIEW A-A FOR TRUE ORIENTATION



ORIENTATION VIEW A-A

3	REMOVE COATING NOTE FROM N14	P.J.D...	WB	MAR 31/10
2	REVISE, N5, N6, N16, N17, INTERNALS	P.J.D...	WB	MAR 24/10
1	REMOVE BASE PLATE, REORIENT	P.J.D...	WB	MAR 18/10
0	ISSUED FOR APPROVAL	P.J.D...	WB	MAR 3/10
REV	REVISION	BY	APP	DATE



BILL OF MATERIAL				
ITEM	QTY.	DESCRIPTION	MAT'L SPEC.	
1	2	W12 @ 26 x 480" [12192 mm] LG.	G40.21-50W	
2	1	W12 @ 26 x 338 3/4" [8554 mm] LG.	G40.21-50W	
3	4	W12 @ 26 x 173 1/4" [4401 mm] LG.	G40.21-50W	
4	1	W12 @ 26 x 86 1/2" [2198 mm] LG.	G40.21-50W	
5	2	W12 @ 26 x 49 1/2" [1258 mm] LG.	G40.21-50W	
6	13	W6 @ 9 x 88 1/2" [2198 mm] LG.	G40.21-50W	
7	1	W6 @ 9 x 80 3/4" [1645 mm] LG.	G40.21-50W	
8	12	W6 @ 9 x 55 3/4" [1416 mm] LG.	G40.21-50W	
9	3	W6 @ 9 x 51 3/4" [1314 mm] LG.	G40.21-50W	
10	1	W6 @ 9 x 45 1/2" [1156 mm] LG.	G40.21-50W	
11	1	W6 @ 9 x 40 3/4" [1035 mm] LG.	G40.21-50W	
12	2	W6 @ 9 x 29 3/4" [757 mm] LG.	G40.21-50W	
13	2	C4 @ 5.4 x 55 7/8" [1418 mm] LG.	G40.21-50W	
14	2	C4 @ 5.4 x 18" [457 mm] LG.	G40.21-50W	
15	7	3 x 2 x 1/4" ANGLE x 60 3/4" [1545 mm] LG. (NOTE #3)	SA-36/44W	
16	18	3 x 2 x 1/4" ANGLE x 55 7/8" [1418 mm] LG. (NOTE #3)	SA-36/44W	
17	5	3 x 2 x 1/4" ANGLE x 51 3/4" [1316 mm] LG. (NOTE #3)	SA-36/44W	
18	2	3 x 2 x 1/4" ANGLE x 28 3/4" [757 mm] LG. (NOTE #3)	SA-36/44W	
19	2	3 x 2 x 1/4" ANGLE x 27 1/2" [699 mm] LG. (NOTE #3)	SA-36/44W	
20	3	3 x 2 x 1/4" ANGLE x 21 3/4" [554 mm] LG. (NOTE #3)	SA-36/44W	
21	3	1/4" CHECKER PL x 60" WD x 420" LG. [1524mm x 10668 mm]	SA-36/44W	
22	1	3/4" PLATE x 22" x 22" [559 mm x 559 mm]	SA-36/44W	
23	1	3/4" PLATE x 44" x 44" [1118 mm x 1118 mm]	SA-36/44W	
24	3	3/4" PLATE LIFTING LUG (UF# MT-1642)	SA-36/44W	
25	2	1/2" PLATE LUG MOUNTING PLATE (UF# MT-1643)	SA-36/44W	
26	1	3/4" PLATE LIFTING LUG - BOLT-ON (UF# MT-1644)	SA-36/44W	
27	1	1/4" PLATE x 20" x 20" [610 mm x 610 mm]	SA-36/44W	
28	1	3/16" x 1-1/4" BAR GRATING x 18" x 18" [457 mm x 457 mm]	SA-36/44W	
29	1	2" 90° LR ELBOW BW. SCH. 80.	SA-234-WPB	
30	1	2" SCH. 80 PIPE. BOE X TOE.	SA-106-B	
31	6	1-1/2 x 1-1/2 x 1/4" ANGLE	SA-106-B	
32	100'	1/4" x 2" FLATBAR	SA-36/44W	

GENERAL NOTES:-

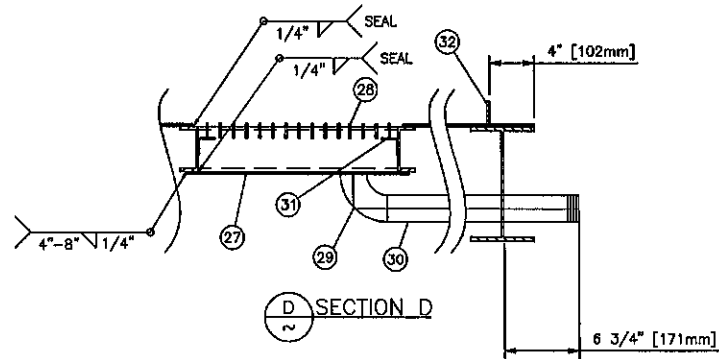
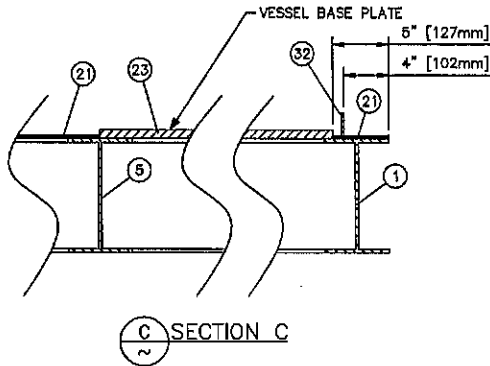
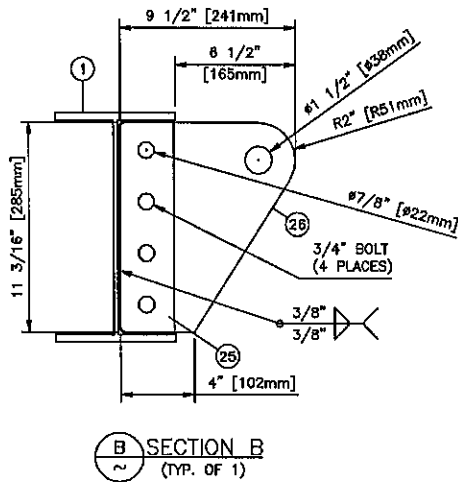
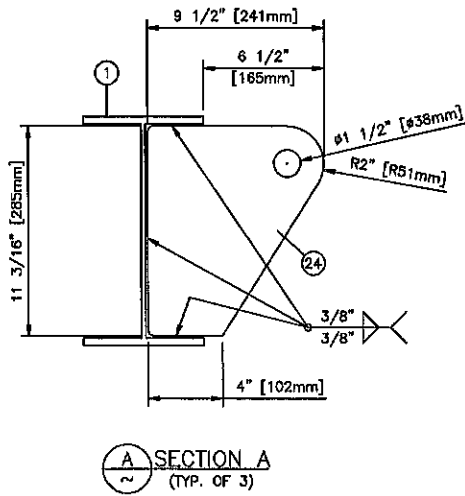
- 1.) ALL WELDS TO BE 1/4" FILLET WELDS UNLESS OTHERWISE NOTED.
- 2.) ALL SHARP EDGES & BURRS TO BE REMOVED.
- 3.) ALL UNEQUAL LEGS ANGLE TO BE INSTALLED LONG LEG DOWN.

REV.	DATE	DESCRIPTION	DRAWN	CHECK	DESIGN	APPR.
2	16-JUL-10	ISSUED FOR CONSTRUCTION	DZ		LM	
1	08-JUN-10	REVISE TO 12" BEAM	CB		LM	
0	07-APR-10	ISSUED FOR APPROVAL	CB		LM	

ULTRAFAB INDUSTRIES LTD.

CLIENT: MURPHY OIL c/o EQUINOX ENGINEERING	
TITLE: SEPARATOR PACKAGE SKID (20-PD-3000) SKID STEEL DETAIL	
SCALE: 1:50	DRAWING No. ST97-014
DATE: 09-08-13	TIME: 17:17
FILE: Projects 2009/07-000/07-014/Drawings/ST97-014	

FULL SIZE CONNECTION (FULL STRENGTH)	FULL SIZE CONNECTION	REDUCED CONNECTION	FLOOR SUPPORT FULL COPE
1	2	3	4
WELDING PROCEDURE -	WELDING PROCEDURE -	WELDING PROCEDURE -	WELDING PROCEDURE -



EEL PROJECT #210-00-05
LSD: 07-15-78-18 W6M

GENERAL NOTES:-

- 1.) ALL WELDS TO BE 1/4" FILLET WELDS UNLESS OTHERWISE NOTED.
- 2.) ALL SHARP EDGES & BURRS TO BE REMOVED.
- 3.) ALL UNEQUAL LEGS ANGLE TO BE INSTALLED LONG LEG DOWN.

REV.	DATE	DESCRIPTION	DRAWN	CHECK	DESIGN	APPR.
2	16-JUL-10	ISSUED FOR CONSTRUCTION	DZ		LM	
1	08-JUN-10	REVISE TO 12" BEAM.	CB		LM	
0	07-APR-10	ISSUED FOR APPROVAL	CB		LM	

ULTRAFAB INDUSTRIES LTD.

CLIENT: MURPHY OIL c/o EQUINOX ENGINEERING
TITLE: SEPARATOR PACKAGE SKID (20-PD-3000)
SKID STEEL DETAIL

SCALE	DRAWING No. & Computer File #	DATE	TIME
1:50	ST97-014	09-08-13	17:17