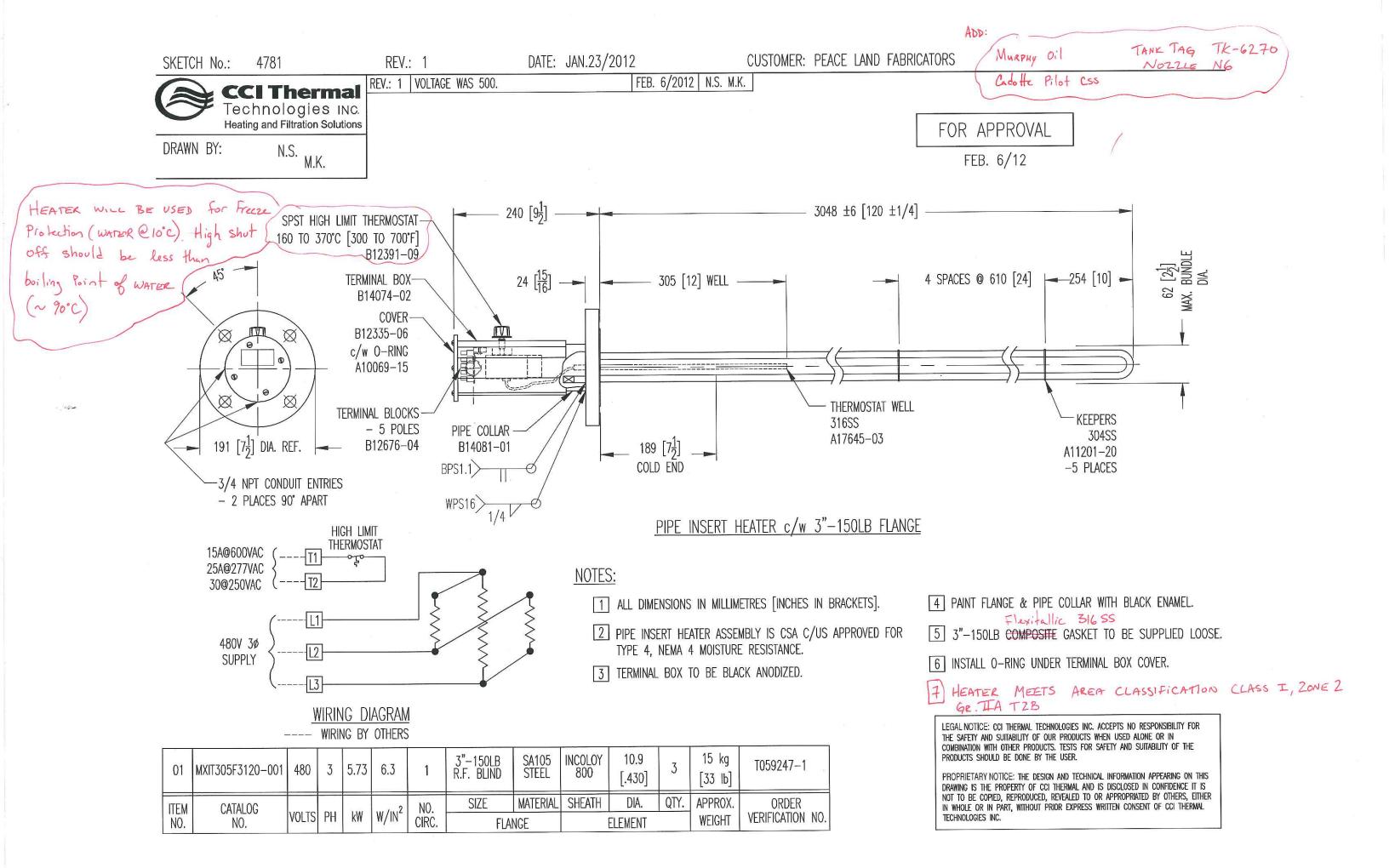


NUMBER:

Г	WCTA Duciesta Limited						
-				A Projects Limited	11 0 J (## U.S.# 1 11 17 5 2 T 12 0 17 2		
		VENDOR DRAWING/DOCUMENT SQUAD CHECK					
	A Reviewed without exception. Proceed with fabrication. Issue final drawings/						
	~	docum					
	В	drawin		will not be released,	d with fabrication and resubmit if any drawings/documents ns, are at this code.		
	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.						
	Not required for review. Received for information.						
	Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.						
Ì	SDR C	ODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE		
	DM-	-02	TK-6240	D. Lemon	2012-02-15		

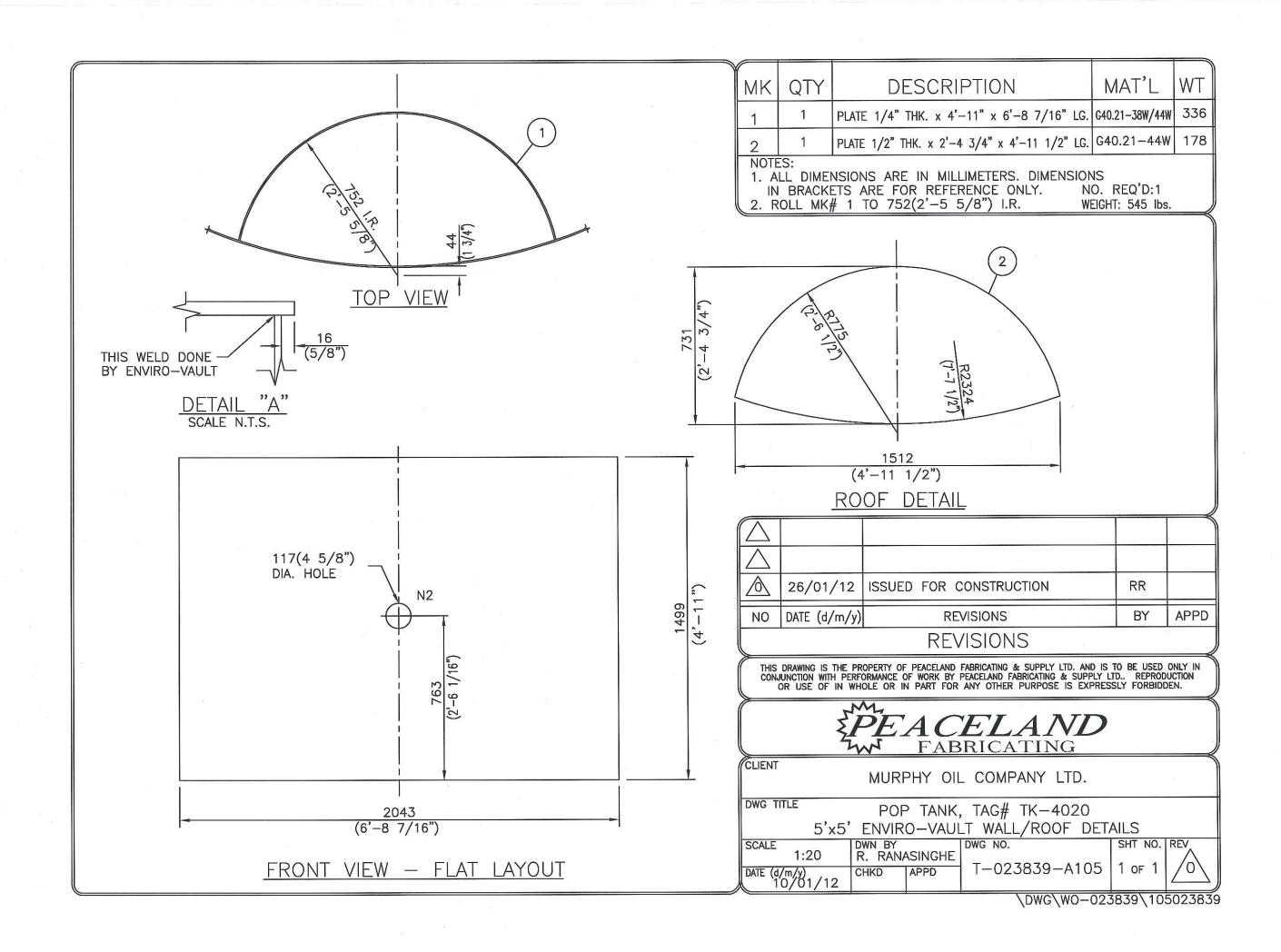
PROJECT NAME:	Murphy Oil Cadotte 1780-0
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	ENGSKT4781
VENDOR REVISION:	1
DOCUMENT DESCRIPTION:	Heater Dawing
VENDOR TRANSMITTAL	





	VISTA Projects Limited					
	VENDO	R DRAWING/DO		JAD CHECK		
A Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.						
Reviewed except as marked and/or noted. Proceed with fabrication and result drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.						
C		e released, if any	drawings/doc	wing/document for review. uments requiring approval, as		
<b>D</b> )	Not required for rev	<del>/iew</del> . Received for	information.			
Reviewed only as to general conformity with the design concept and specifications provided the engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.  SDR CODE EQUIPMENT TAG REVIEWED BY DATE  TK-4020 D. Lonon ZAZ-02-10				ation contained on this consibility for correct design, the drawing/document.  DATE		

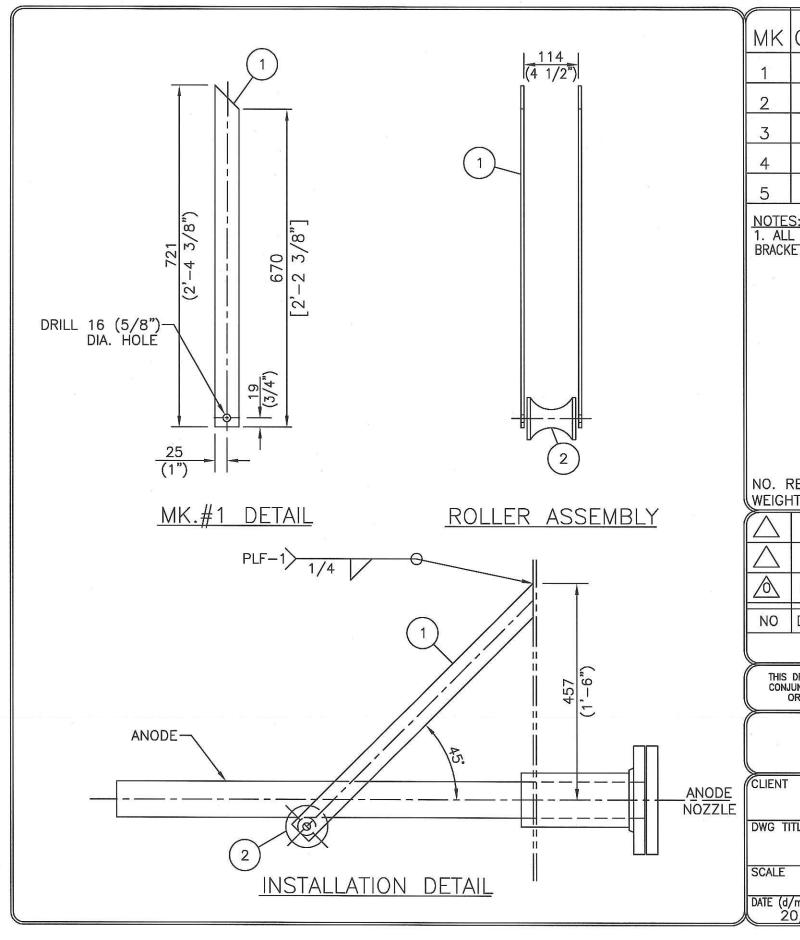
PROJECT NAME:	1780 - runphy oil Gadotte ESS
VENDOR NAME:	Universal Ind.
DOCUMENT NUMBER:	T-023839-Alos
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Pop Tank - 5/25' Enviro-Vault.
VENDOR TRANSMITTAL NUMBER:	TR-003-023839





VICTA Duciosta Limitad							
	VISTA Projects Limited						
	VENDOR DRAWING/DOCUMENT SQUAD CHECK						
Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.							
Reviewed except as marked and/or noted. Proceed with fabrication and redrawing/document. Shipment will not be released, if any drawings/docume requiring approval, as per purchase order conditions, are at this code.							
С	Shipm	cepted. Revise as mark ent will not be released rchase order conditions	, if any drawings/doc	awing/document for review. cuments requiring approval, as			
D	Not red	quired for review. Rece	ived for information.	-			
Reviewed only as to general conformity with the design concept and specifications provide The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.							
SDR C		<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE			
DM02 TK-4020			D. Lemon	2012-02-10			

PROJECT NAME:	1780 - numply or adote CSS.
VENDOR NAME:	Universal Ind.
DOCUMENT NUMBER:	T-023839-Alog
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Pop Tank Anode Roller Support
VENDOR TRANSMITTAL NUMBER:	TR-903-023839



	1			1 //
MK	QTY	DESCRIPTION	MAT'L	WT
1	2	FLATBAR 1/4" x 2" x 2'-4 3/8" LG.	G40.21-44W	8
2	1	WOOD ROLLER ASS'Y	PRT-4190	2
3		9 9		
4				
5		ē		

NOTES:

1. ALL DIMENSIONS ARE IN S.I. & IMPERIAL UNITS. DIMENSIONS IN BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY.

NO. REQ'D: 4 TOTAL FOR JOB WEIGHT: 10 lbs. EACH

$\triangle$				
҈	26/01/12	ISSUED FOR CONSTRUCTION	RR	
NO	DATE (d/m/y)	REVISIONS	BY	APPD
		REVISIONS		•

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD.. REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.



CLIENT

MURPHY OIL COMPANY LTD.

DWG TITLE

POP TANK, TAG# TK-4020

ANODE ROLLER SUPPORT

SCALE

1:10

R. RANASINGHE

DATE (d/m/y)

20/01/12

MURPHY OIL COMPANY LTD.

POP TANK, TAG# TK-4020

ANODE ROLLER SUPPORT

DWG NO.

T-023839-A109

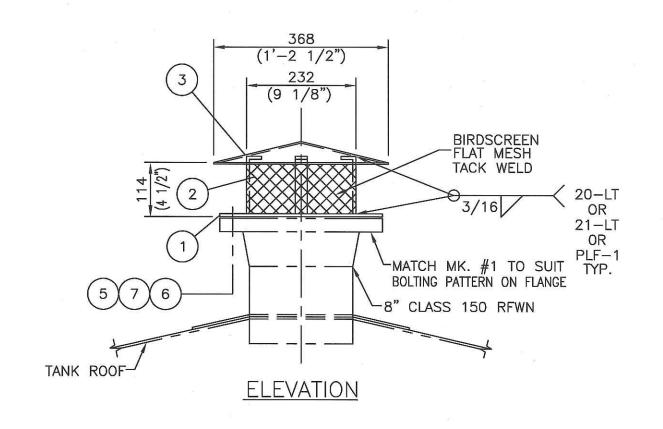
1 of 1

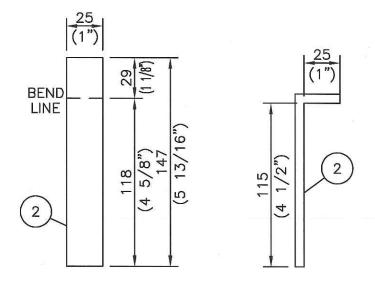
\DWG\WO-023839\109023839



	VISTA Projects Limited						
			NG/DOCUMENT SQ	HAD CHECK			
	_						
A	Review	red without exception.	Proceed with fabrica	tion. Issue final drawings/			
	docum	ents.		2			
В	Review	ed except as marked a	and/or noted. Procee	ed with fabrication and resubmit			
	drawing	d/document, Shipment	will not be released.	if any drawings/documents			
		ng approval, as per pur					
C							
C	Not accepted. Revise as marked and resubmit drawing/document for review. Shipment will not be released, if any drawings/documents requiring approval, as						
				differits requiring approval, as			
		chase order conditions					
<b>D</b>	Not required for review. Received for information.						
	The state of the s						
Review	ved only as to general conformity with the design concept and specifications provided.						
				ation contained on this			
				consibility for correct design,			
				g the drawing/document.			
SDR C	CODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE			
MO	2	TK-4020	D. Lamon	2012-02-10			
Jul O		1 2 20	J. 2000				

PROJECT NAME:	1780 - Nurphy on Cadotte CSS.
VENDOR NAME:	Universal Ind.
DOCUMENT NUMBER:	T-023839 -Allo.
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Pop Tank Mushroom Cap DT
VENDOR TRANSMITTAL NUMBER:	TR-003-023839





MK #2 DETAIL
SCALE: N.T.S.
(4 REQ'D)

MK	QTY	DESCRIPTION	MAT'L	WT
1	1	PLATE 1/4" THK. x 8 5/8" I.D. x 1'-1 1/2" O.D.	G40.21-44W	6
2	4	FLATBAR 1/4" THK. x 1" x 5 13/16" LG.	G40.21-44W	2
3	1	PLATE 11ga. x 1'-2 7/8" FLAT DIA.	A-1011	12
4	AS REQ'D	FLAT EXPANDED METAL 4" x 2'-6" LG.(BIRDSCREEN)	G40.21-44W	1-
5	1	GASKET 8" CLASS 150 x 1/8" THK.	GARLOC	1
6	8	BOLT 3/4" DIA. x 2 1/2" LG.	GR.5	4
7	8	HEX NUT 3/4" NOM.	GR.5	1
8		H 25		
9				
10				

#### NOTE

1. ALL DIMENSIONS ARE IN MILLIMETRES. DIMENSIONS IN BRACKETS ARE FOR REFERENCE ONLY.

NO. REQ'D: 1 WEIGHT: 29 lbs.

$\triangle$		9		81		
<u></u>	26/01/12	ISSUED FOR CONSTRUCTION	RR			
NO	DATE (d/m/y)	REVISIONS	BY	APPD		
12	REVISIONS					

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD... REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.

# EPEACELAND FABRICATING

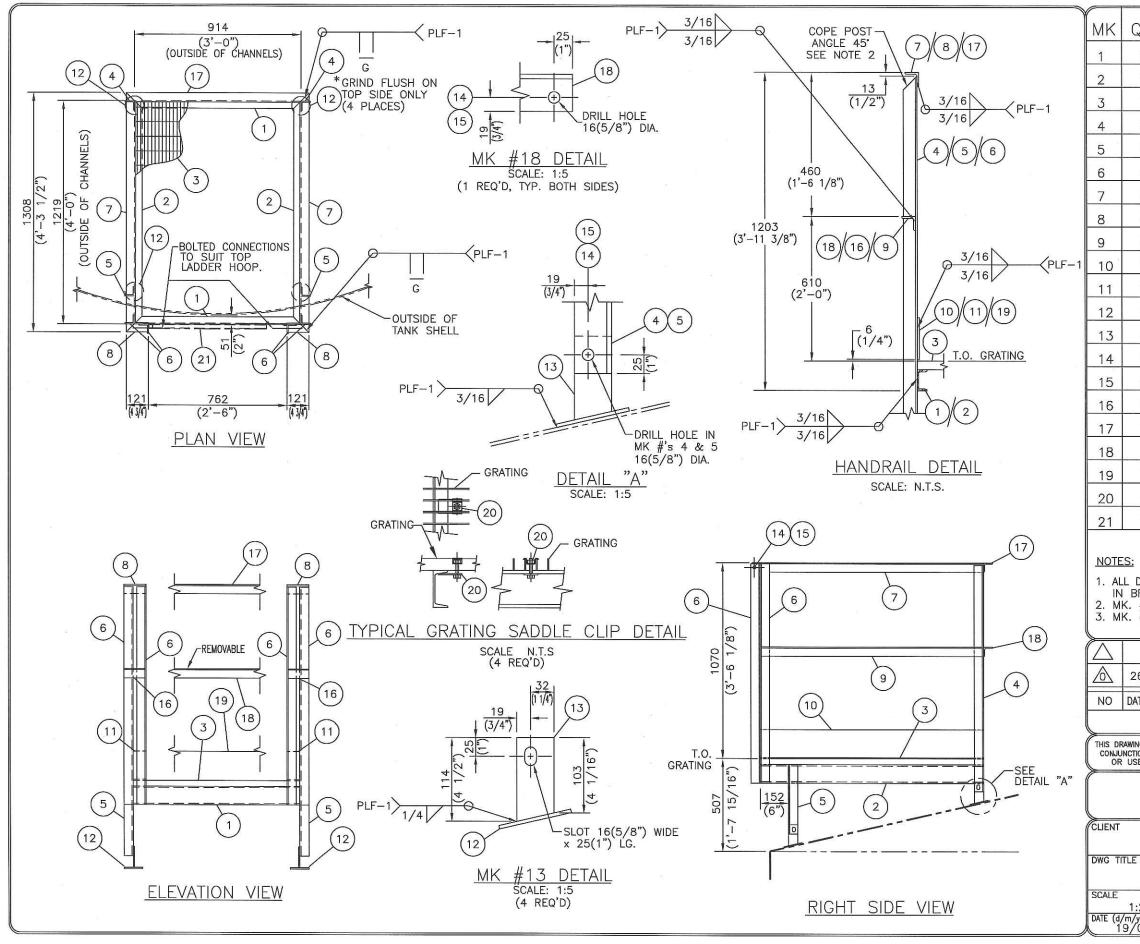
		1 1 1 1	TUCILITIO		
CLIENT	MURI	PHY OII	COMPANY LTD.	.75	
DWG TITLE			, TAG# TK-4020 // CAP DETAILS		
SCALE 1:20	DWN BY R. RANA	ASINGHE	DWG NO.	SHT NO.	REV
DATE (d/m/y) 13/01/12	CHKD	APPD	T-023839-A110	1 of 1	20

\DWG\WO-023839\110023839



			A Projects Limited		
		VENDOR DRAWII	NG/DOCUMENT SQ	UAD CHECK	
Α	Review		Proceed with fabrica	tion. Issue final drawings/	
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.					
D	Not required for review. Received for information.				
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.					
SDR C	ODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE	
DM 0	2	TK-4020	D. Lamon	2012-02-10	

PROJECT NAME:	1780 - nuphy oil Edolte CSS
VENDOR NAME:	UNNERSAL IND.
DOCUMENT NUMBER:	T-023839-B167
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Pop Tank 3'-0' x4-0' Rod Platform DT
VENDOR TRANSMITTAL NUMBER:	TR 003-023839.



MK	QTY	DESCRIPTION	MAT'L	WT
1	2	CHANNEL C4 x 5.4# x 3'-0" LG.	G40.21-44W	32
2	2	CHANNEL C4 × 5.4# × 4'-0" LG.	G40.21-44W	43
3	1	GRATING 3'-0" W x 4'-0" LG. TYPE 19-4 SERRATED GRATING 1 1/4" x 3/16" BARS	GALVANIZED G40.21-44W	107
4	2	ANGLE 2" x 2" x 1/4" x 4'-0 11/16" LG.	G40.21-44W	26
5	2	ANGLE 2" x 2" x 1/4" x 1'-2 15/16" LG.	G40.21-44W	8
6	4	ANGLE 2" x 2" x 1/4" x 3'-10 7/8" LG.	G40.21-44W	50
7	2	ANGLE 2" x 2" x 1/4" x 4'-3 1/2" LG.	G40.21-44W	27
8	2	ANGLE 2" x 2" x 1/4" x 4 3/4" LG.	G40.21-44W	3
9	2	ANGLE 2" x 2" x 1/4" x 3'-11 1/2" LG.	G40.21-44W	25
10	2	FLATBAR 3/16" x 6" x 3'-11 1/2" LG.	G40.21-44W	30
11	2	FLATBAR 3/16" x 6" x 3" LG.	G40.21-44W	1
12	4	REPAD PLATE 1/4" THK. x 4" DIA.	G40.21-44W	4
13	4	FLATBAR 1/4" THK. x 2" x 4 1/2" LG.	G40.21-44W	3
14	8	BOLT 1/2" DIA. x 1 1/2" LG.	Gr.5	2
15	8	HEX NUT 1/2" NOM.	Gr.5	1
16	2	ANGLE 2" x 2" x 1/4" x 4 3/4" LG.	G40.21-44W	3
17	1	ANGLE 2" x 2" x 1/4" x 3'-3 1/2" LG.	G40.21-44W	11
18	1	ANGLE 2" x 2" x 1/4" x 3'-4" LG.	G40.21-44W	11
19	1	FLATBAR 3/16" THK. x 6" x 3'-0" LG.	G40.21-44W	11
20	4	GRATING SADDLE CLIPS C/W HARDWARE, CLIP, BOTTOM PLATE	GALVANIZED C.S.	1
21	1	SAFETY GATE ("PS-DOORS")(SAFETY YELLOW)	PRT-4310	5
			SUBTOTAL	404

SUBTOTAL 404 x 1.06 TOTAL 428 lbs

ALL DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS IN BRACKETS ARE FOR REFERENCE ONLY.

2. MK. #'s 4, 5, & 8 SHALL BE MITRED 45' ONE END ONLY. 3. MK. #'s 1, 2, 7, & 17 SHALL BE MITRED 45' BOTH ENDS.

⋒	26/01/12	ISSUED FOR CONSTRUCTION	RR	
NO	DATE (d/m/y)	REVISIONS	BY	APPD
		REVISIONS		

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD.. REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.

#### EPEACELAND FABRICATING

MURPHY OIL COMPANY LTD.

POP TANK, TAG# TK-4020 3'-0" x 4'-0" ROOF PLATFORM DETAIL

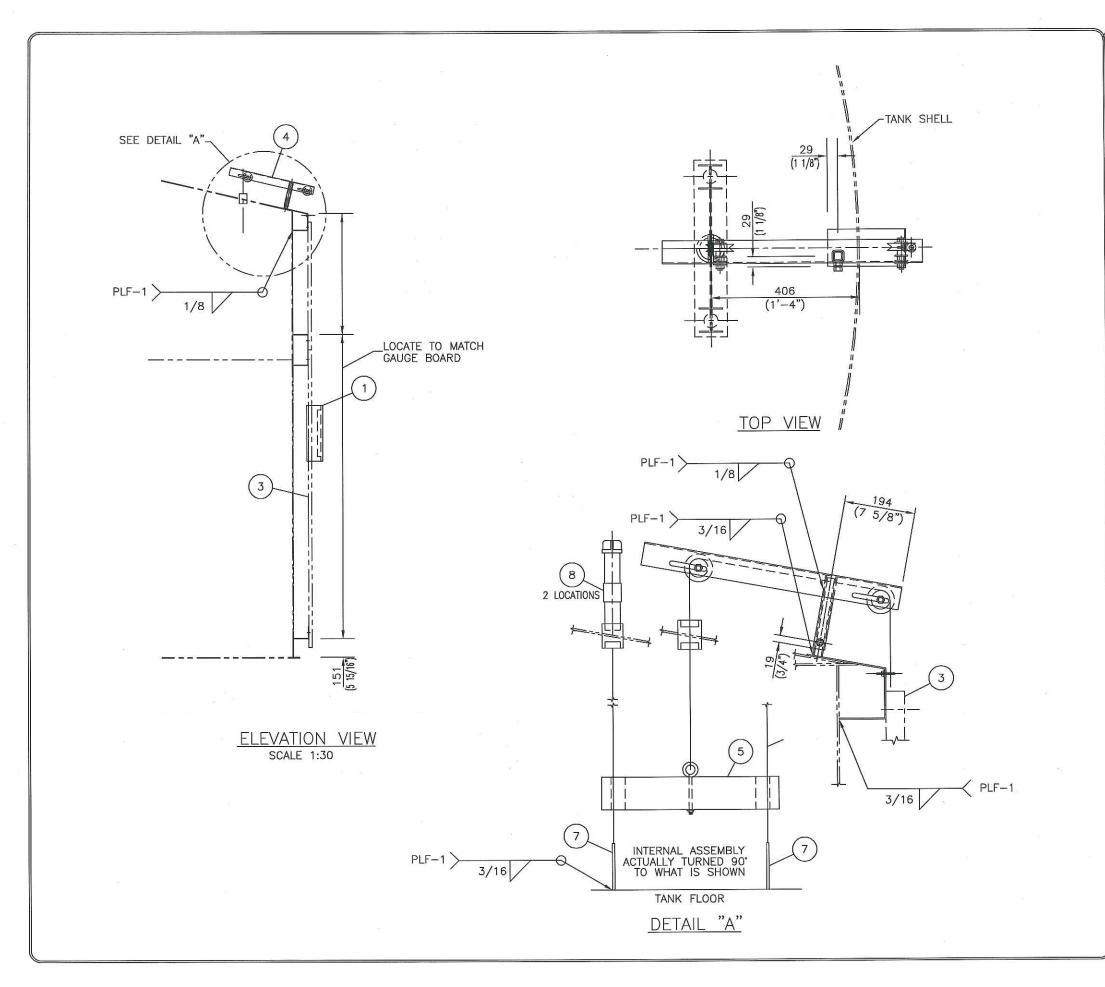
SCALE DWN BY R. RANASINGHE DATE (d/m/y) CHKD APPD DWG NO. T-023839-B107 1 of 1

\DWG\WO-023839\107023839



		VIST	A Projects Limited	7.7.7.0	
	VENDOR DRAWING/DOCUMENT SQUAD CHECK				
A	Reviewed w documents.	ithout exception.	Proceed with fabrica	tion. Issue final drawings/	
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
С	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
D	-Not requiree	Horveview. Rece	eived for information.	4	
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.					
SDR C	ODE EQ	UIPMENT TAG	REVIEWED BY	DATE	
DMC	)Z TK	-4020	D. Lemon	2012-02-10	

PROJECT NAME:	1780 - numphy oil adolte CSS
VENDOR NAME:	Universal Ind.
DOCUMENT NUMBER:	T-023839-BIO8.
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Pop Tank level Indicator System -
VENDOR TRANSMITTAL NUMBER:	TR 603-023839



				11
иκ	QTY	DESCRIPTION	MAT'L	WT
1	1	GAUGEBOARD BOX ASSEMBLY	PRT-1365	25
2		C/W INDICATOR, BOLTING, CABLES, CABLE CLAMPS, PULLEY ASS'Y & CLIPS		
3	1	GAUGE BOARD (12'-0" LONG)		22
4	1	PULLEY ARM ASSEMBLY	PRT-2613	20
5	1	PLASTIC FLOAT	PRT-1622	2
6				
7	2	FLOOR CLIPS (STOCK LADDER CLIPS)	PRT-4283	1
8	2	CABLE TIGHTENER ASSEMBLY	PRT-4166	26
9				
10				

NOTES:

1. ALL DIMENSIONS ARE IN S.I. & IMPERIAL UNITS. DIMENSIONS IN BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY.

NO. REQ'D: 1 WEIGHT: 102 lbs.

$\overline{\wedge}$				T
$\frac{\triangle}{\triangle}$		- <u>-</u>		
◬	26/01/12	ISSUED FOR CONSTRUCTION	RR	
NO	DATE (d/m/y)	REVISIONS	BY	APPD
		REVISIONS	1	

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD.. REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.



MURPHY OIL COMPANY LTD.

DWG TITLE POP TANK, TAG# TK-4020

LEVEL INDICATOR SYSTEM FOR 12'-0" HIGH TANK

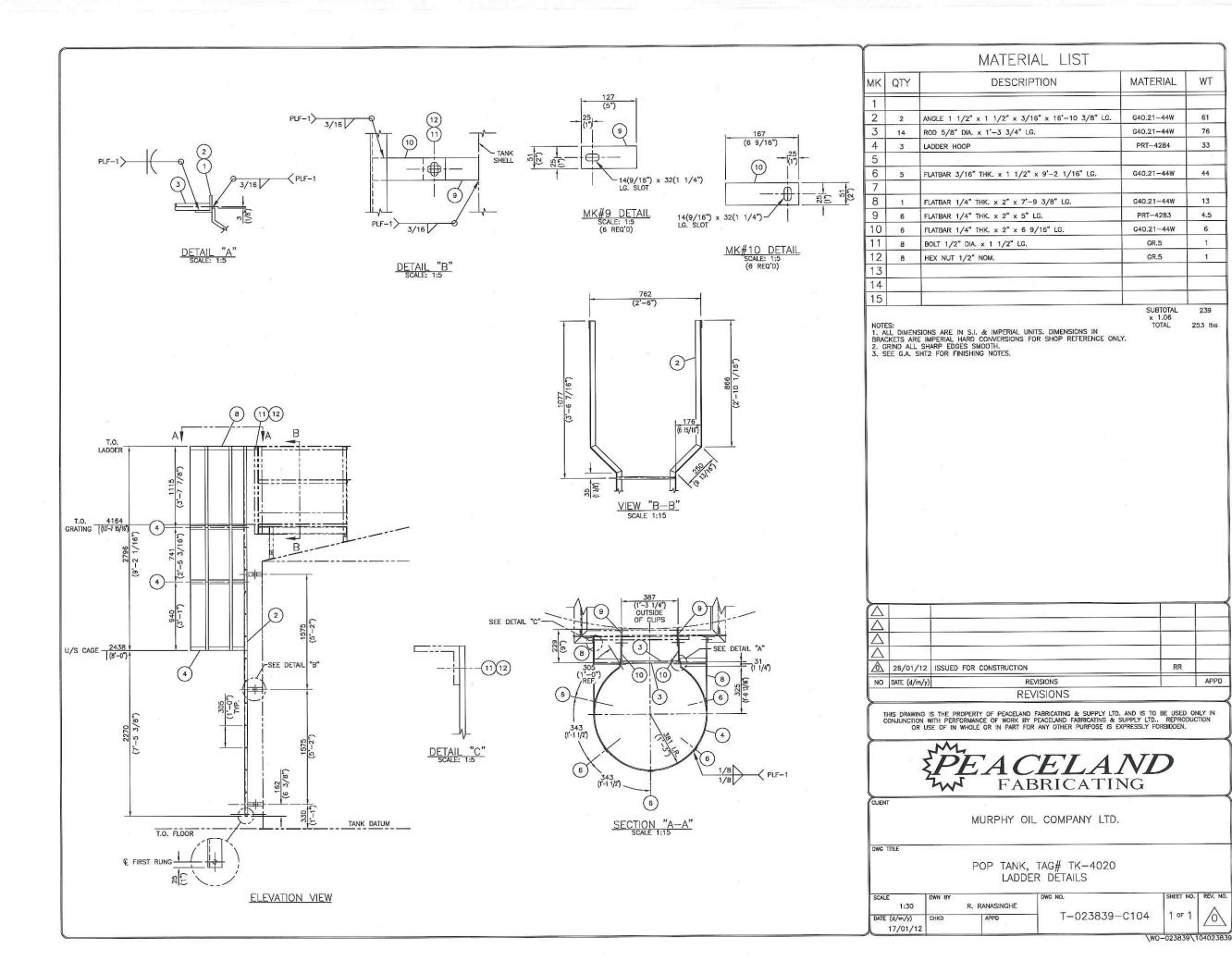
SCALE | DWN BY | DWG NO. | SHT NO. | REV | DATE (d/m/y) | CHKD | APPD | T-023839-B108 | 1 of 1 | O

\DWG\WO-023839\108023839



	MOTA Projects United					
30	VISTA Projects Limited					
	VENDOR DRAWII	NG/DOCUMENT SQ	UAD CHECK			
A	Reviewed without exception.	Proceed with fabricat	tion. Issue final drawings/			
15.00	documents.					
В	Reviewed except as marked	and/or noted Procee	d with fabrication and resubmit			
_	drawing/document. Shipment					
	requiring approval, as per pur					
C	Not accepted. Revise as mar					
			uments requiring approval, as			
	per purchase order conditions	s, are at this code.				
(D)	Not required for review. Received for information.					
Reviewe	ed only as to general conformit	v with the design con	cept and specifications provided.			
	gineer does not warrant or repre					
	/document is either accurate o					
	detail and dimensions shall remain with the party submitting the drawing/document.					
SDR C	ODE EQUIPMENT TAG	REVIEWED BY	DATE			
V 111	TK-4020	D. Lomon	2012-02-10			
3M 02	12 7020	y. comon	2012-32 70			
			l			

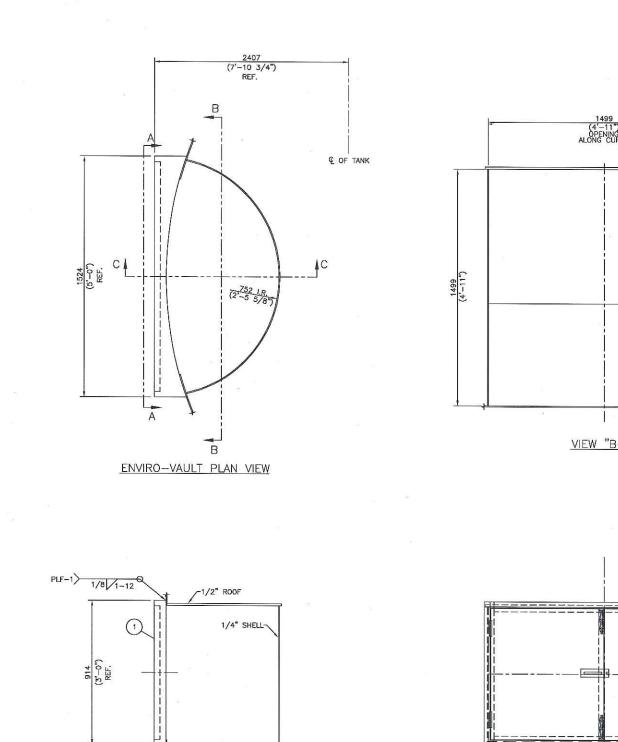
PROJECT NAME:	1780- truphy oil adotte CSS
VENDOR NAME:	Universal Ind.
DOCUMENT NUMBER:	T-023839 -Cl04
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Pop Tank-Ladder Details
VENDOR TRANSMITTAL NUMBER:	TR-003-023839





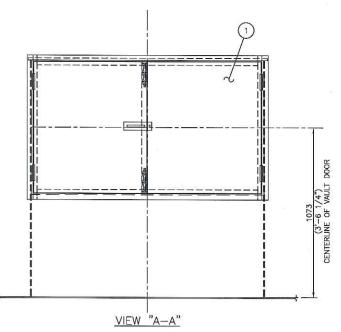
	VIST	A Projects Limited			
		NG/DOCUMENT SQ	UAD CHECK		
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.				
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
С					
Not required for review. Received for information.					
The eng	ed only as to general conformit gineer does not warrant or repre glocument is either accurate of and dimensions shall remain with	esent that the information complete. Sole resp	consibility for correct design,		
SDR C	CODE EQUIPMENT TAG	REVIEWED BY	DATE		
DM-	02 TK-4020	D. Lemon	2012-02-10		

PROJECT NAME:	1780- ruphy on adotte CSS.
VENDOR NAME:	Universal Ind.
DOCUMENT NUMBER:	T-023839-C106.
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Pop Tank - S'Enviro-Vault Oor Details
VENDOR TRANSMITTAL NUMBER:	TR-803-023839



SECTION "C-C"

	14 (4'- OPER ALONG	99 11") NING CURVE	
1499 (4'-11")			648 (2'-1 1/2") (2'-9 1/2") OPENING
2 <b>7</b>	VIEW	"B-B"	•



		MATERIAL LIST		
мк	QTY	DESCRIPTION	MATERIAL	WT
1	1	ENVIRO-VAULT DOOR FRAME	PRT-3019	73
2				
3				
4				
5				
6		0		
7		2		
8				
9				
10	2,400.00			
NOTES	Ši		SUBTOTAL	73

NOIES:
1. ALL DIMENSIONS ARE IN S.I. & IMPERIAL UNITS, DIMENSIONS IN × 1.06
BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY. TOTAL × 1.06 77 lbs.

7				
7				
1				
1				
<u>6</u>	20/01/12	ISSUED FOR CONSTRUCTION	RR	
10	DATE (d/m/y)	REVISIONS		APPD
	Jan 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1912 - 1	DEVICIONS		

REVISIONS

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD... REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.



MURPHY OIL COMPANY LTD.

POP TANK, TAG# TK-4020 5' ENVIRO-VAULT DOOR DETAILS (C/W NECK)

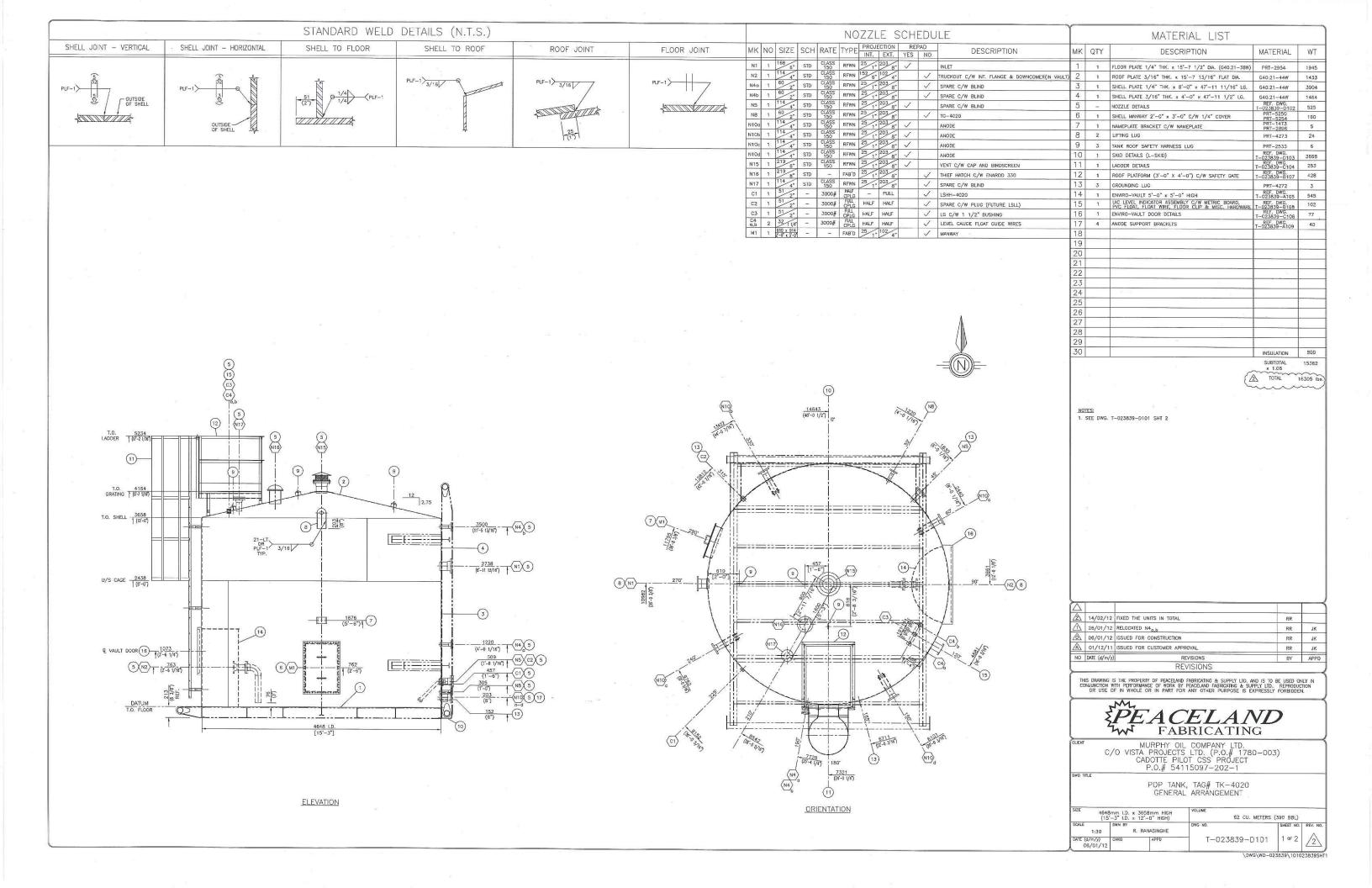
SCALE	DWN BY		DWG NO.	SHEET NO.	REV. NO
1:15		R. RANASINGHE		00X 1998	^
DATE (d/m/y) 19/01/12	CHKD	APPD	T-023839-C106	1 or 1	/0\

\W0-023839\106023839



Я		VIST	A Projects Limited	***************************************	
6	51		NG/DOCUMENT SQ		
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.				
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
С					
Not required for review. Received for information.					
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.					
SDR C	A Principle of the Control of the Co	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE	
DG 621		TK-4020	D. Lamor	2012-02-15	

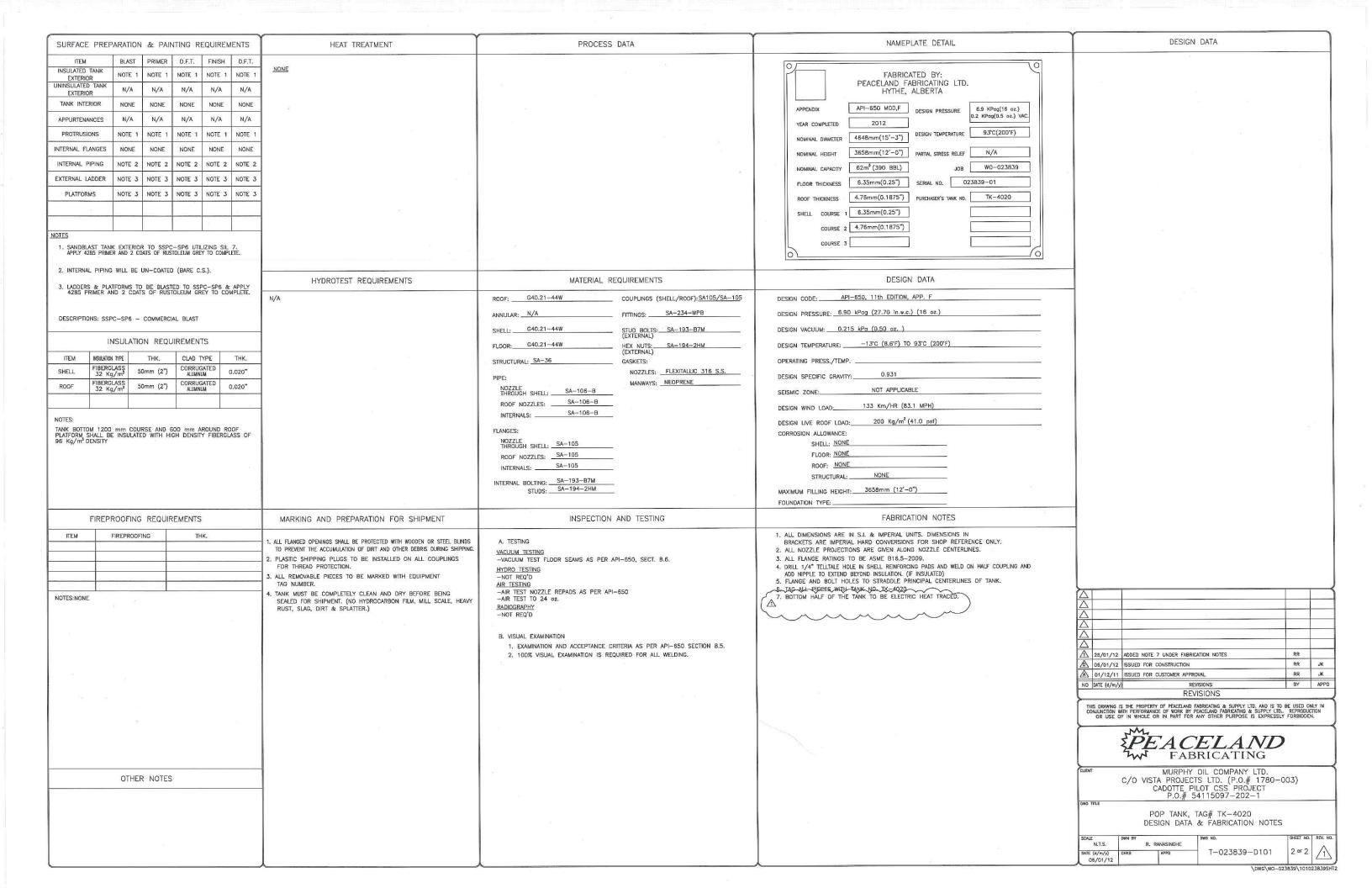
PROJECT NAME:	Murphy Dil Galotte - 1780
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023839- D101-1
VENDOR REVISION:	2
DOCUMENT DESCRIPTION:	Pop Tank General Arrangement
VENDOR TRANSMITTAL NUMBER:	OD4-023839





		VIST	A Projects Limited		
		VENDOR DRAWIN	NG/DOCUMENT SQI	UAD CHECK	
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/ documents.				
В					
C					
D					
The e	ngineer do	oes not warrant or repre ent is either accurate or	esent that the informatic complete. Sole resp	cept and specifications provided. ation contained on this consibility for correct design, the drawing/document.	
	CODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE	
	02	T/C -4020	D. Cemor	2012-02-10	

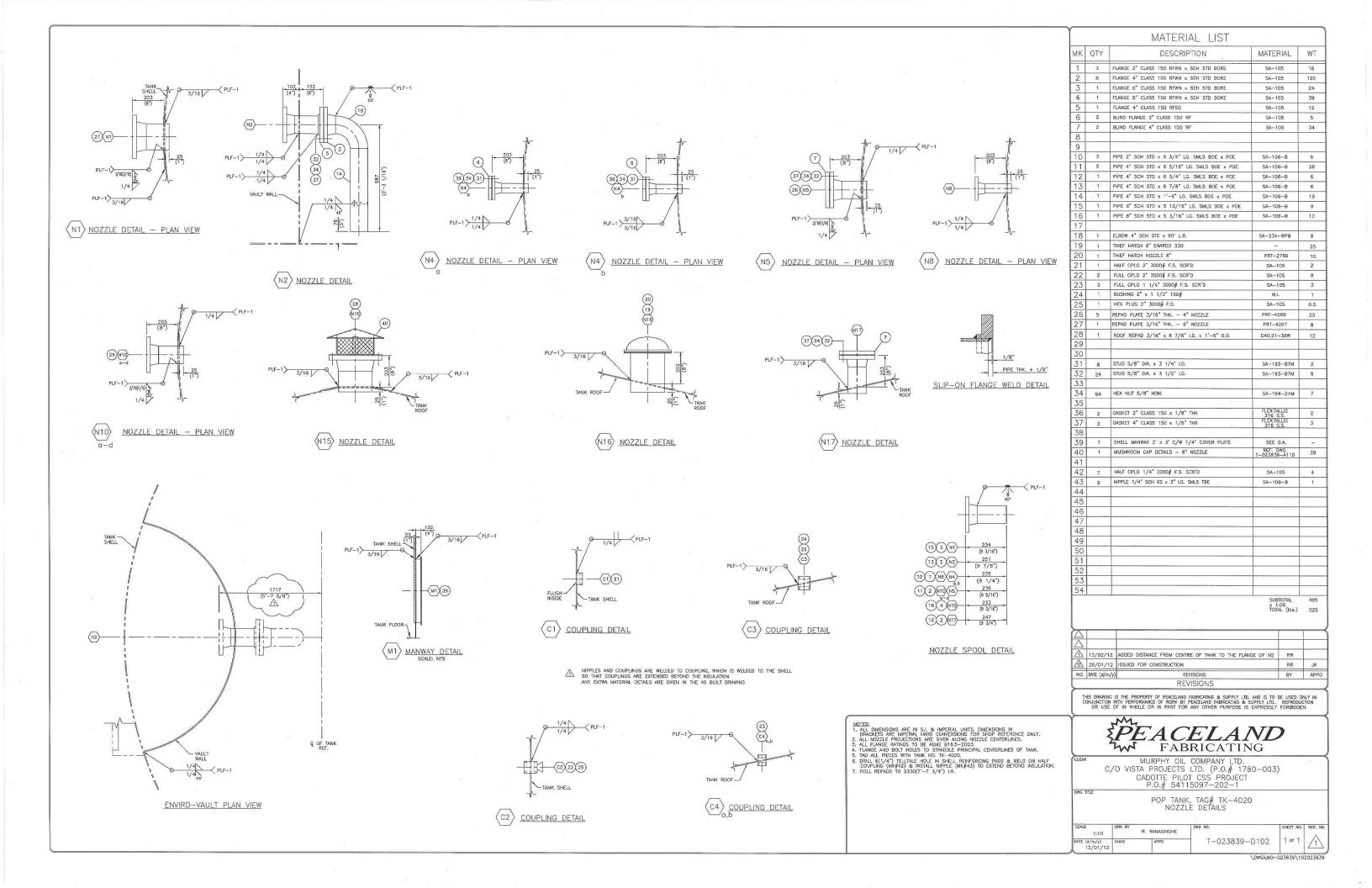
PROJECT NAME:	1780 Truphy 61 Cadotte
VENDOR NAME:	Universal Industrie
DOCUMENT NUMBER:	T-023839-0101-2
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	POP Tank Deien DATA E FAB NOTES
VENDOR TRANSMITTAL NUMBER:	TR-003-023839





	VIS	TA Projects Limited	- a		
		ING/DOCUMENT SQ			
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/ documents.				
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
С	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
D	Not required for review. Received for information.				
The eng	ineer does not warrant or rep document is either accurate on d dimensions shall remain wi	resent that the inform or complete. Sole resp th the party submitting	ponsibility for correct design,		
DMOZ		D. Lemon	2012-02-15		

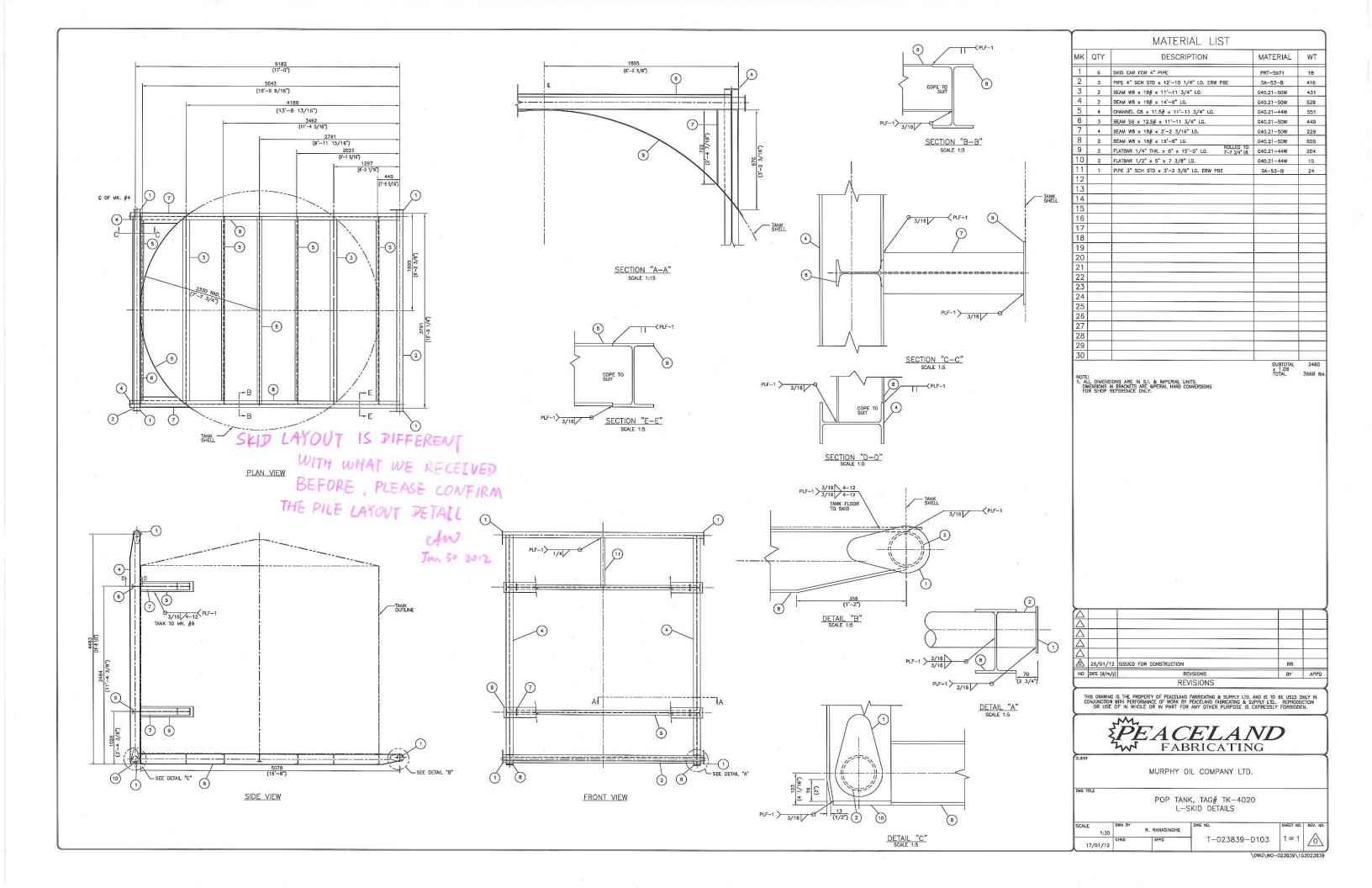
PROJECT NAME:	Murphy Oil Gdotte-1780
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T- 023839- D102
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Pop Tank Nozzle Details
VENDOR TRANSMITTAL NUMBER:	004-023839





	VISTA Projects Limited					
VENDOR DRAWING/DOCUMENT SQUAD CHECK						
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/ documents.					
B	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.					
Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.						
D	Not required for review. Received for information.					
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.						
SDR	CODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE		
DMOZ	_	TIC-4020	D. Lemon	2012-02-10		

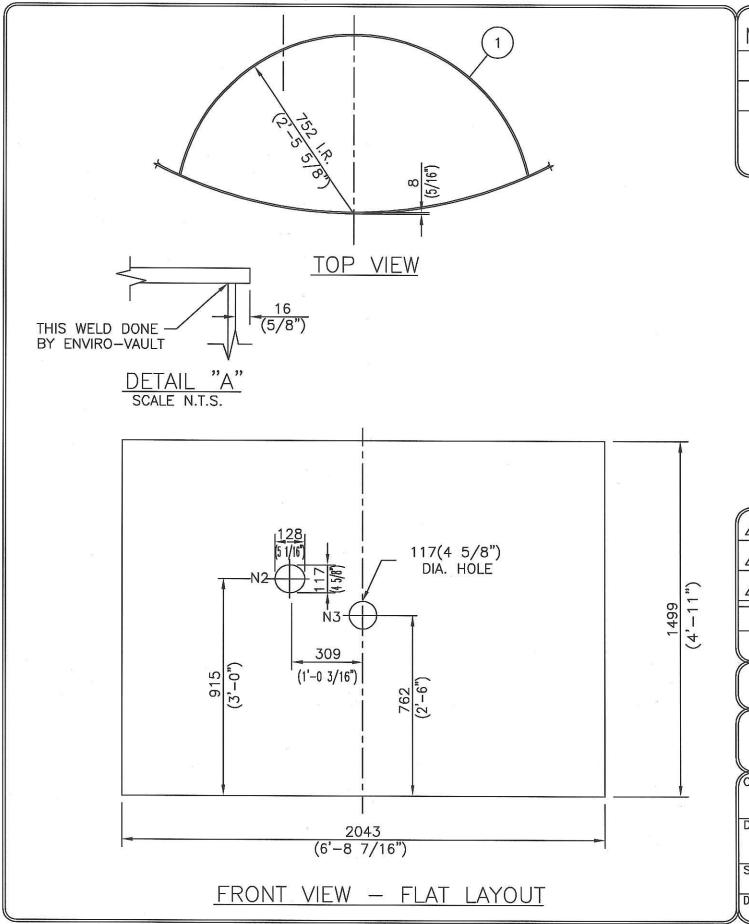
PROJECT NAME:	1780 - Tuphy oil Cadotte CSS
VENDOR NAME:	Universal Ind.
DOCUMENT NUMBER:	T-023839-0103
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	POR Tank L-Skid Debails
VENDOR TRANSMITTAL NUMBER:	TR-003-023839





7.		VIST	A Projects Limited		
			NG/DOCUMENT SQ		
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.				
B	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
С	Not accepted. Revise as marked and resubmit drawing/document for review. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
<b>(D)</b>	Not required for review. Received for information.				
The end	gineer de docum	oes not warrant or repreent is either accurate o	esent that the information of the complete. Sole response	ncept and specifications provided. ation contained on this consibility for correct design, g the drawing/document.	
SDR	ODE	<b>EQUIPMENT TAG</b>	<b>REVIEWED BY</b>	DATE	
DMO	2	TK-6270	D. Lemon	2012-02-10	
- 27			<u> </u>		

PROJECT NAME:	1780-Murphy Oil Cadotte
VENDOR NAME:	UNIVERSAL INDUSTRIES
DOCUMENT NUMBER:	T-023840-A105
VENDOR REVISION:	0
DOCUMENT DESCRIPTION:	Softener Waste Tank Enviro-Vault Wall/Roof
VENDOR TRANSMITTAL NUMBER:	TR004-023840



MK	QTY	DESCRIPTION	MAT'L	WT
1	1	PLATE 1/4" THK. x 4'-11" x 6'-8 7/16" LG.	G40.21-38W/44W	336
2	1	PLATE 1/2" THK. x 2'-6 3/16" x 4'-11 1/2" LG.	G40.21-44W	255

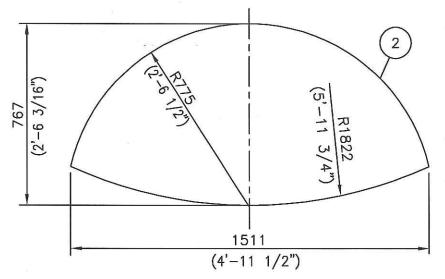
#### NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS NO. REQ'D:1

IN BRACKETS ARE FOR REFERENCE ONLY.

2. ROLL MK# 1 TO 752(2'-5 5/8") I.R.

WEIGHT: 626 lbs.



#### ROOF DETAIL

$\triangle$	F)			
△	26/01/12	ISSUED FOR CONSTRUCTION	RR	
NO	DATE (d/m/y)	REVISIONS	BY	APPD
		REVISIONS		

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD.. REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.

#### *ACELAND* **FABRICATING**

CLIENT

MURPHY OIL COMPANY LTD.

DWG TITLE SOFTENER WASTE TANK, TAG# TK-6270 5'x5' ENVIRO-VAULT WALL/ROOF DETAILS

SCALE

DWN BY R. RANASINGHE 1:20

DWG NO.

SHT NO. REV.

DATE (d/m/y) 10/01/12 CHKD APPD

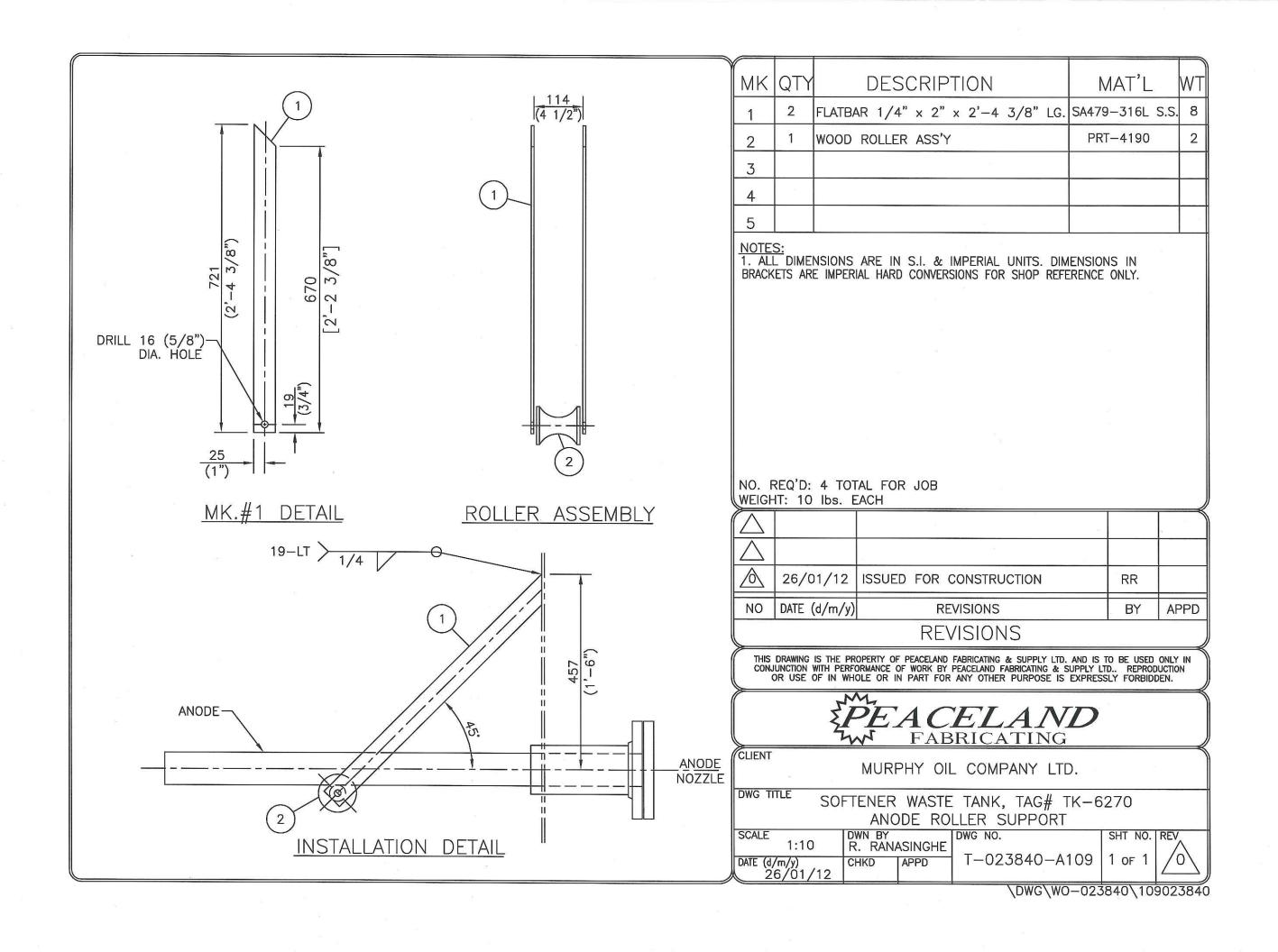
T-023840-A105 | 1 of 1

\DWG\WO-023840\105023840



	VISTA Projects Limited			
	VENDOR DRAWING/DOCUMENT SQUAD CHECK			
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/			
	documents.			
B	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit			
	drawing/document. Shipment will not be released, if any drawings/documents			
	requiring approval, as per purchase order conditions, are at this code.			
C	Not accepted. Revise as marked and resubmit drawing/document for review.			
	Shipment will not be released, if any drawings/documents requiring approval, as			
	per purchase order conditions, are at this code.			
D	Not required for review. Received for information.			
	ed only as to general conformity with the design concept and specifications provided.			
	gineer does not warrant or represent that the information contained on this			
	/document is either accurate or complete. Sole responsibility for correct design,			
detail and dimensions shall remain with the party submitting the drawing/document.				
SDR C	CODE EQUIPMENT TAG REVIEWED BY DATE			
TAA-	-02 TK-6270 D. Lemon 2012-02-10			
DIVI	VC /1 4070 9. 2000			

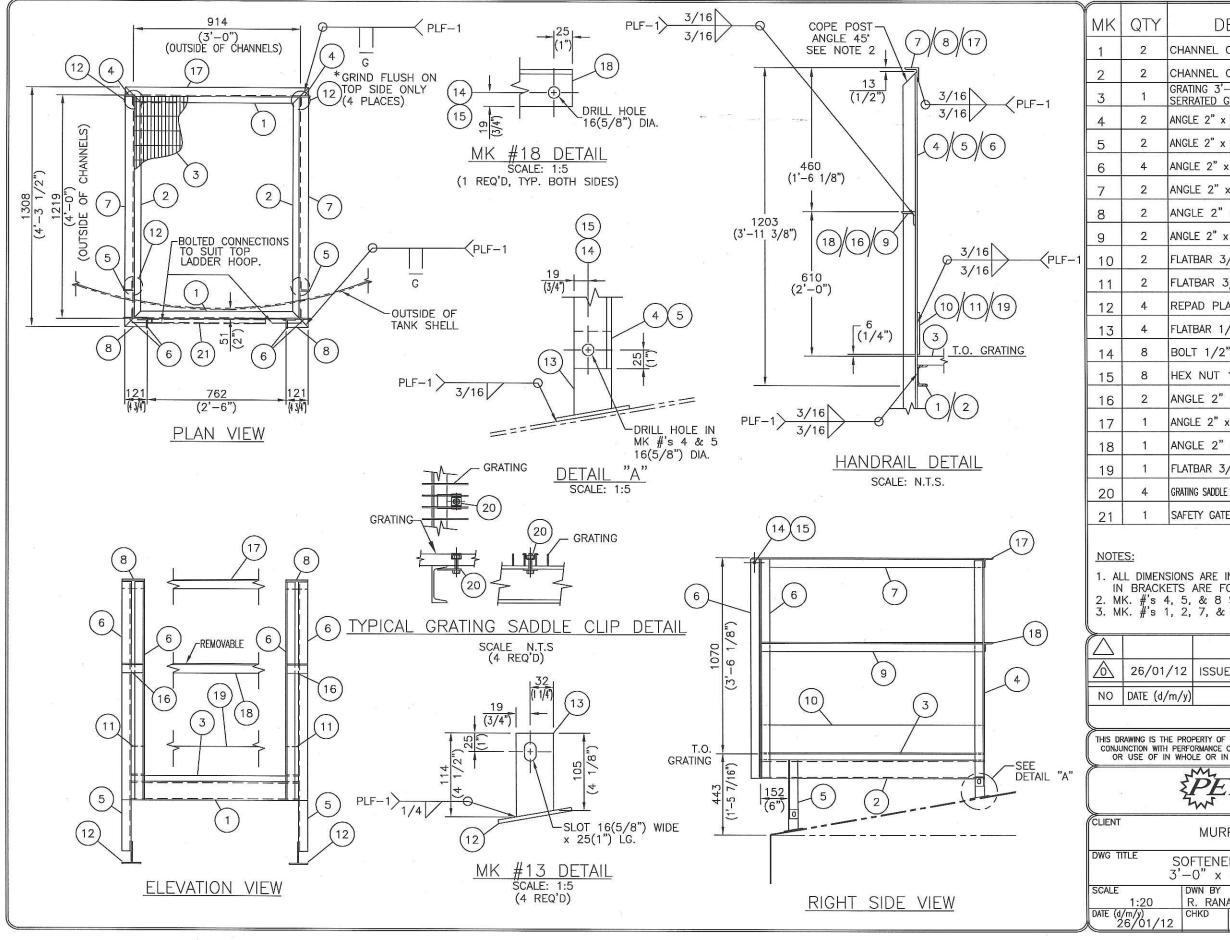
PROJECT NAME:	1780-Murphy Oil Cadotte
VENDOR NAME:	UNIVERSAL INDUSTRIES
DOCUMENT NUMBER:	T-023840-A109
VENDOR REVISION:	0
DOCUMENT	
DESCRIPTION:	Softener Waste Tank Anode Roller Support
VENDOR	
TRANSMITTAL	
NUMBER:	TR004-023840





	VIS	TA Projects Limited		
	VENDOR DRAWI	NG/DOCUMENT SQ	UAD CHECK	
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.			
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
С	Not accepted. Revise as man Shipment will not be released per purchase order condition	d, if any drawings/doo	awing/document for review. cuments requiring approval, as	
<b>(D)</b>	Not required for review. Rece	eived for information.	8	
The end	ed only as to general conformigineer does not warrant or reprovided accurate of the dimensions shall remain with the dimensions of the dimensions o	resent that the inform or complete. Sole res	ponsibility for correct design,	
SDR	CODE EQUIPMENT TAG	REVIEWED BY	DATE	
DM02	TK-6276	D. Lewis	2012-02-10	

PROJECT NAME:	1780-Murphy Oil Cadotte
VENDOR NAME:	UNIVERSAL INDUSTRIES
DOCUMENT NUMBER:	T-023840-B107
VENDOR REVISION:	0
DOCUMENT DESCRIPTION:	Softener Waste Tank Roof Platform DT
VENDOR TRANSMITTAL NUMBER:	TR004-023840



				11
MK	QTY	DESCRIPTION	MAT'L	WT
1	2	CHANNEL C4 x 5.4# x 3'-0" LG.	G40.21-44W	32
2	2	CHANNEL C4 x 5.4# x 4'-0" LG.	G40.21-44W	43
3	1	GRATING 3'-0" W x 4'-0" LG. TYPE 19-4 SERRATED GRATING 1 1/4" x 3/16" BARS	GALVANIZED G40.21-44W	107
4	2	ANGLE 2" x 2" x 1/4" x 4'-0 1/2" LG.	G40.21-44W	26
5	2	ANGLE 2" x 2" x 1/4" x 1'- 5/8" LG.	G40.21-44W	1
6	4	ANGLE 2" x 2" x 1/4" x 3'-10 7/8" LG.	G40.21-44W	50
7	2	ANGLE 2" x 2" x 1/4" x 4'-3 1/2" LG.	G40.21-44W	27
8	2	ANGLE 2" × 2" × 1/4" × 4 3/4" LG.	G40.21-44W	3
9	2	ANGLE 2" x 2" x 1/4" x 3'-11 1/2" LG.	G40.21-44W	25
10	2	FLATBAR 3/16" x 6" x 3'-11 1/2" LG.	G40.21-44W	30
11	2	FLATBAR 3/16" x 6" x 3" LG.	G40.21-44W	1
12	4	REPAD PLATE 1/4" THK. x 4" DIA.	G40.21-44W	4
13	4	FLATBAR 1/4" THK. x 2" x 4 1/2" LG.	G40.21-44W	3
14	8	BOLT 1/2" DIA. x 1 1/2" LG.	Gr.5	2
15	8	HEX NUT 1/2" NOM.	Gr.5	1
16	2	ANGLE 2" x 2" x 1/4" x 4 3/4" LG.	G40.21-44W	3
17	1.	ANGLE 2" x 2" x 1/4" x 3'-3 1/2" LG.	G40.21-44W	11
18	1	ANGLE 2" x 2" x 1/4" x 3'-4" LG.	G40.21-44W	11
19	1	FLATBAR 3/16" THK. x 6" x 3'-0" LG.	G40.21-44W	11
20	4	GRATING SADDLE CLIPS C/W HARDWARE, CLIP, BOTTOM PLATE	GALVANIZED C.S.	1
21	1	SAFETY GATE ("PS-DOORS")(SAFETY YELLOW)	PRT-4310	5
NOTE	· · ·		SUBTOTAL x 1.06	397

1. ALL DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS IN BRACKETS ARE FOR REFERENCE ONLY.

2. MK. #'s 4, 5, & 8 SHALL BE MITRED 45' ONE END ONLY. 3. MK. #'s 1, 2, 7, & 17 SHALL BE MITRED 45' BOTH ENDS.

		9		
⚠	26/01/12	ISSUED FOR CONSTRUCTION	RR	
NO	DATE (d/m/y)	REVISIONS	BY	APPD
		REVISIONS		

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD... REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.

# PEACELAND FABRICATING

MURPHY OIL COMPANY LTD.

SOFTENER WASTE TANK, TAG# TK-6270 3'-0" x 4'-0" ROOF PLATFORM DETAIL

R. RANASINGHE T-023840-B107 APPD 1 of

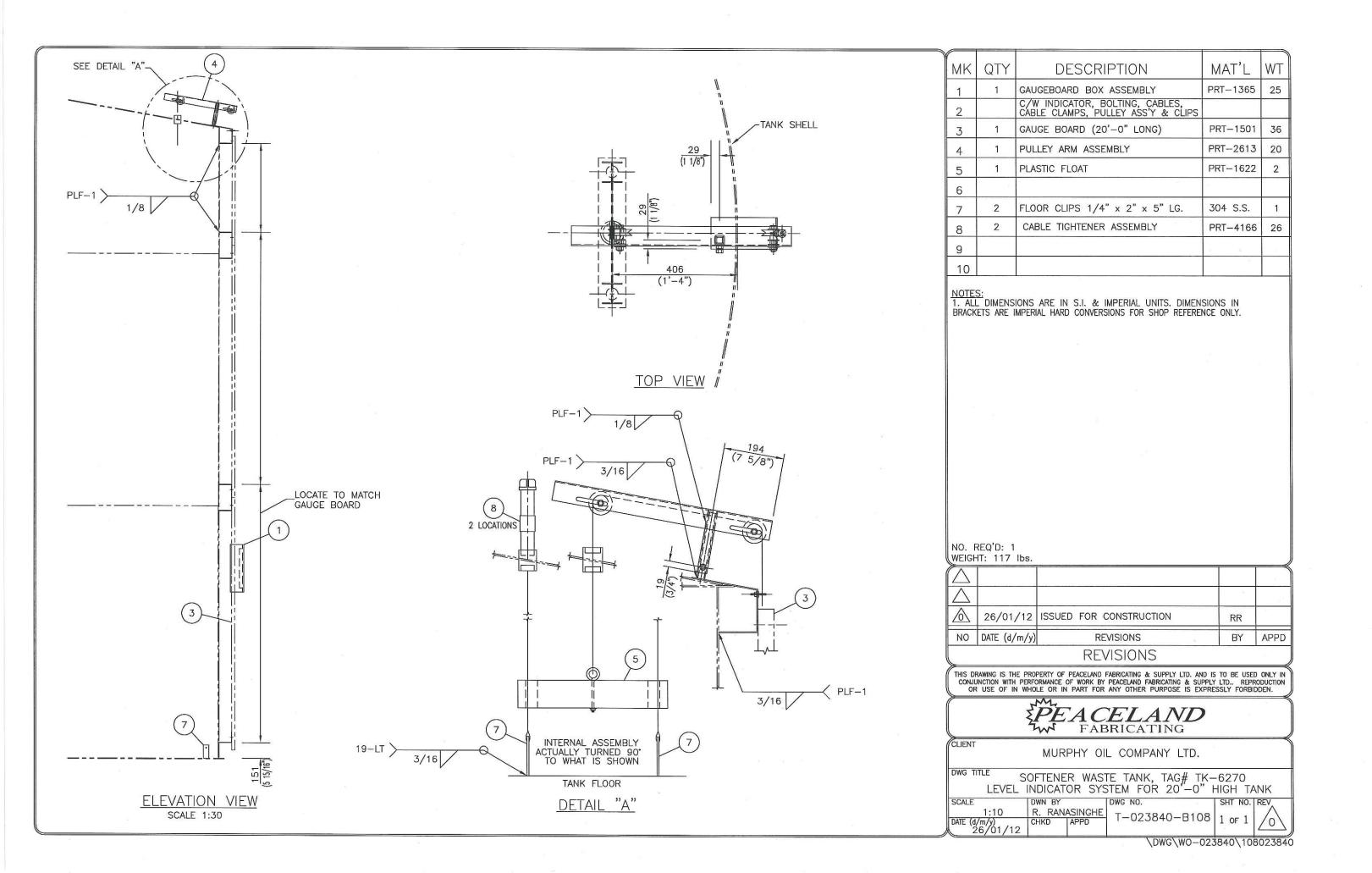
\DWG\WO-023840\107023840

TOTAL 421 lbs



	T	VIS	TA Projects Limited	
			ING/DOCUMENT SQ	
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.			
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
С	Shipm		d, if any drawings/doo	awing/document for review. cuments requiring approval, as
D)	Notre	fulred for review. Rec	eived for information.	
The eng	gineer do /docume	pes not warrant or replent is either accurate of	resent that the inform or complete. Sole resp	ncept and specifications provided ation contained on this ponsibility for correct design, g the drawing/document.
SDR C	CODE	<b>EQUIPMENT TAG</b>	<b>REVIEWED BY</b>	DATE
DM 02	2	TK-6270	D. Lenson	2012-02-10

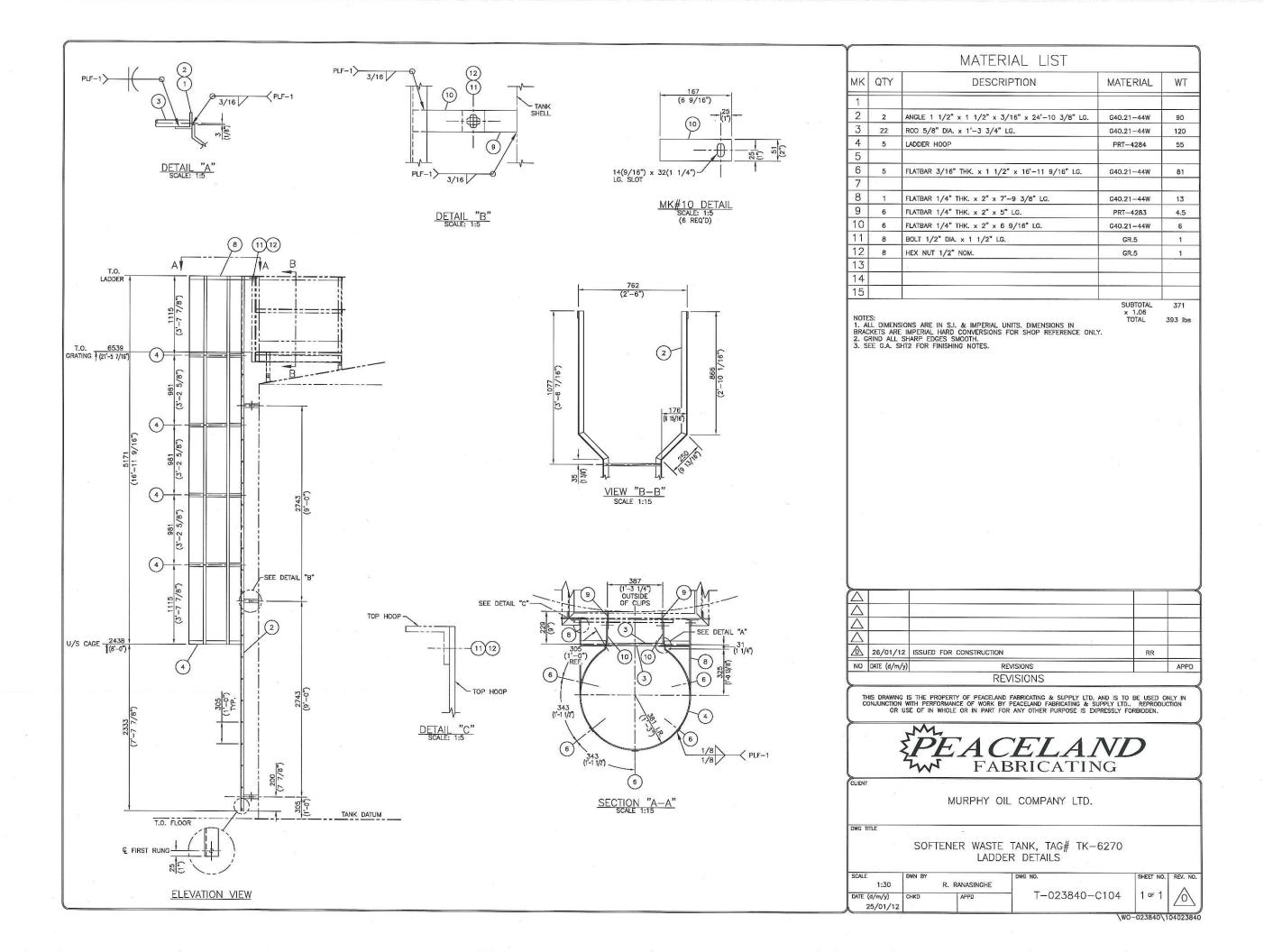
PROJECT NAME:	1780-Murphy Oil Cadotte
VENDOR NAME:	UNIVERSAL INDUSTRIES
DOCUMENT NUMBER:	T-023840-B108
VENDOR REVISION:	0
DOCUMENT DESCRIPTION:	Softener Waste Tank Level Indicator System
VENDOR TRANSMITTAL NUMBER:	TR004-023840





VISTA Projects Limited					
	0.	VENDOR DRAW	ING/DOCUMENT SQ	UAD CHECK	
Α	Reviewed without exception. Proceed with fabrication. Issue final drawings/				
	docum			8	
В				ed with fabrication and resubmit	
				, if any drawings/documents	
	requiri	ng approval, as per pu	irchase order condition	ons, are at this code.	
C				awing/document for review.	
				cuments requiring approval, as	
	per purchase order conditions, are at this code.				
Not required for review. Received for information.					
		9 )			
Review	ed only	as to general conform	ity with the design cor	ncept and specifications provided.	
The eng	gineer de	oes not warrant or rep	resent that the inform	ation contained on this	
drawing/document is either accurate or complete. Sole responsibility for correct design,					
detail and dimensions shall remain with the party submitting the drawing/document.					
SDR (	CODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE	
DIMO	2	TK-6270	D. Lemon	2012-02-10	
9			V. Lewis	And the control of th	

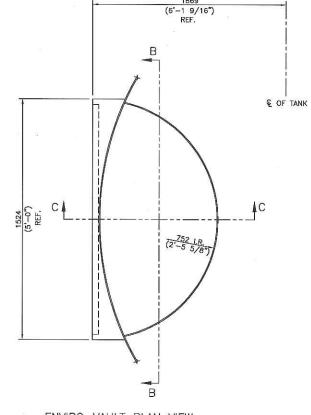
PROJECT NAME:	1780-Murphy Oil Cadotte
VENDOR NAME:	UNIVERSAL INDUSTRIES
DOCUMENT NUMBER:	T-023840-C104
VENDOR REVISION:	0
DOCUMENT DESCRIPTION:	Softener Waste Tank Ladder Details
VENDOR TRANSMITTAL NUMBER:	TR004-023840

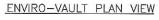


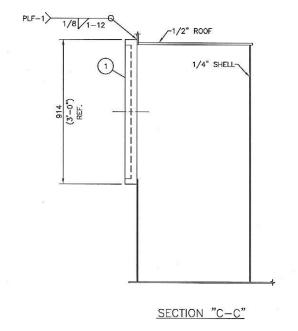


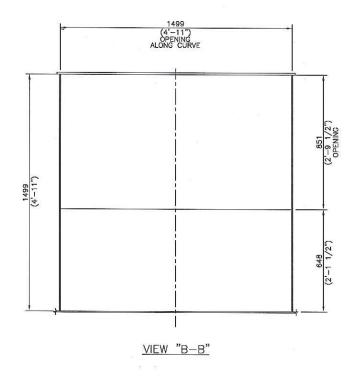
		VIS	TA Projects Limited	· · · · · · · · · · · · · · · · · · ·	
		<b>VENDOR DRAW</b>	ING/DOCUMENT SQ	UAD CHECK	
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.				
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
С	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
D	Not required for review Received for information.				
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.					
SDR	CODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE	
DMO	2	TK-6270	D. Lenon	2012-02-10	

PROJECT NAME:	1780-Murphy Oil Cadotte
VENDOR NAME:	UNIVERSAL INDUSTRIES
DOCUMENT NUMBER:	T-023840-C106
VENDOR REVISION:	0
DOCUMENT DESCRIPTION:	Softener Waste Tank Enviro-Vault Door DT
VENDOR TRANSMITTAL NUMBER:	TR004-023840









	1	
		1073 (3'-6 1/4") CENTERLINE OF VAULT DOOR
	2 I	(3 CENTERLIN
VIEW "A-	i A"	<del></del>

		MATERIAL LIST		
мк	QTY	DESCRIPTION	MATERIAL	WT
1	1	ENVIRO-VAULT DOOR FRAME	PRT-3019	73
2				
3				
4				
5				
6				
7				
8				
9				
10				
NOTES	S:	CIONIC ADE IN C.I. S. IMPEDIAL LIMITE DIMENSIONIS IN	SUBTOTAL × 1.06	73

BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY. TOTAL

		X		
		· · · · · · · · · · · · · · · · · · ·		
Δ				
Δ				
Δ				
◬	26/01/12	ISSUED FOR CONSTRUCTION	RR	
NO	DATE (d/m/y)	REVISIONS		APPD
į.	10	REVISIONS		

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD.. REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.



CLIENT

MURPHY OIL COMPANY LTD.

SOFTENER WASTE TANK, TAG# TK-6270 5' ENVIRO-VAULT DOOR DETAILS (C/W NECK)

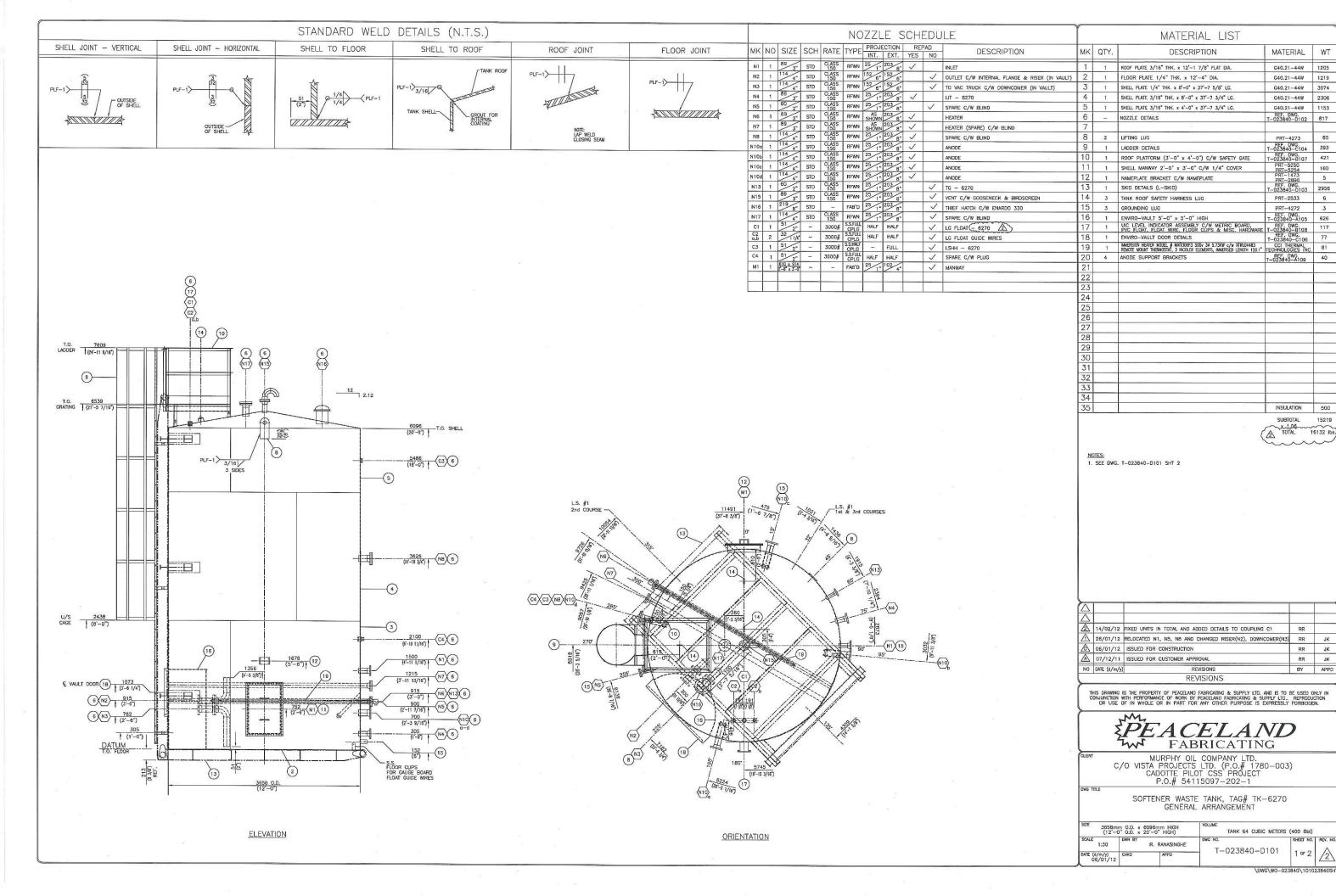
SCALE	DWN BY	ile	DWG NO.	SHEET NO.	REV. NO.
1:15		R. RANASINGHE			$\wedge$
DATE (d/m/y) 25/01/12	CHKD	APPD	T-023840-C106	1 of 1	<u></u>
20/01/12					

\WO-023840\106023840



	VIS	TA Projects Limited			
0		ING/DOCUMENT SQ			
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/ documents.				
В	Reviewed except as marked drawing/document. Shipmen requiring approval, as per put	it will not be released,			
С	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
D	Not required for review. Received for information.				
The eng	ded only as to general conforming ineer does not warrant or repolation accurate of the document is either accurate of the dimensions shall remain with the dimensions are discountered.	resent that the inform or complete. Sole resp	consibility for correct design,		
SDR C DG 02/ DM 01	CODE EQUIPMENT TAG		DATE 2012-02-15		

PROJECT NAME:	Murphy Oil Cadotte - 1780
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023840-D101-1
VENDOR REVISION:	2
DOCUMENT DESCRIPTION:	Softener Water Tank General Arrangement
VENDOR TRANSMITTAL NUMBER:	005-023840





VISTA Projects Limited						
VENDOR DRAWING/DOCUMENT SQUAD CHECK						
(A)	Review	The state of the s	Proceed with fabrica	tion. Issue final drawings/		
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.					
С	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.					
D	Not required for review. Received for information.					
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.						
SDR C	SDR CODE   EQUIPMENT TAG   REVIEWED BY   DATE					
DMO	2	+K-6270	D. Lemon	2012-02-10		

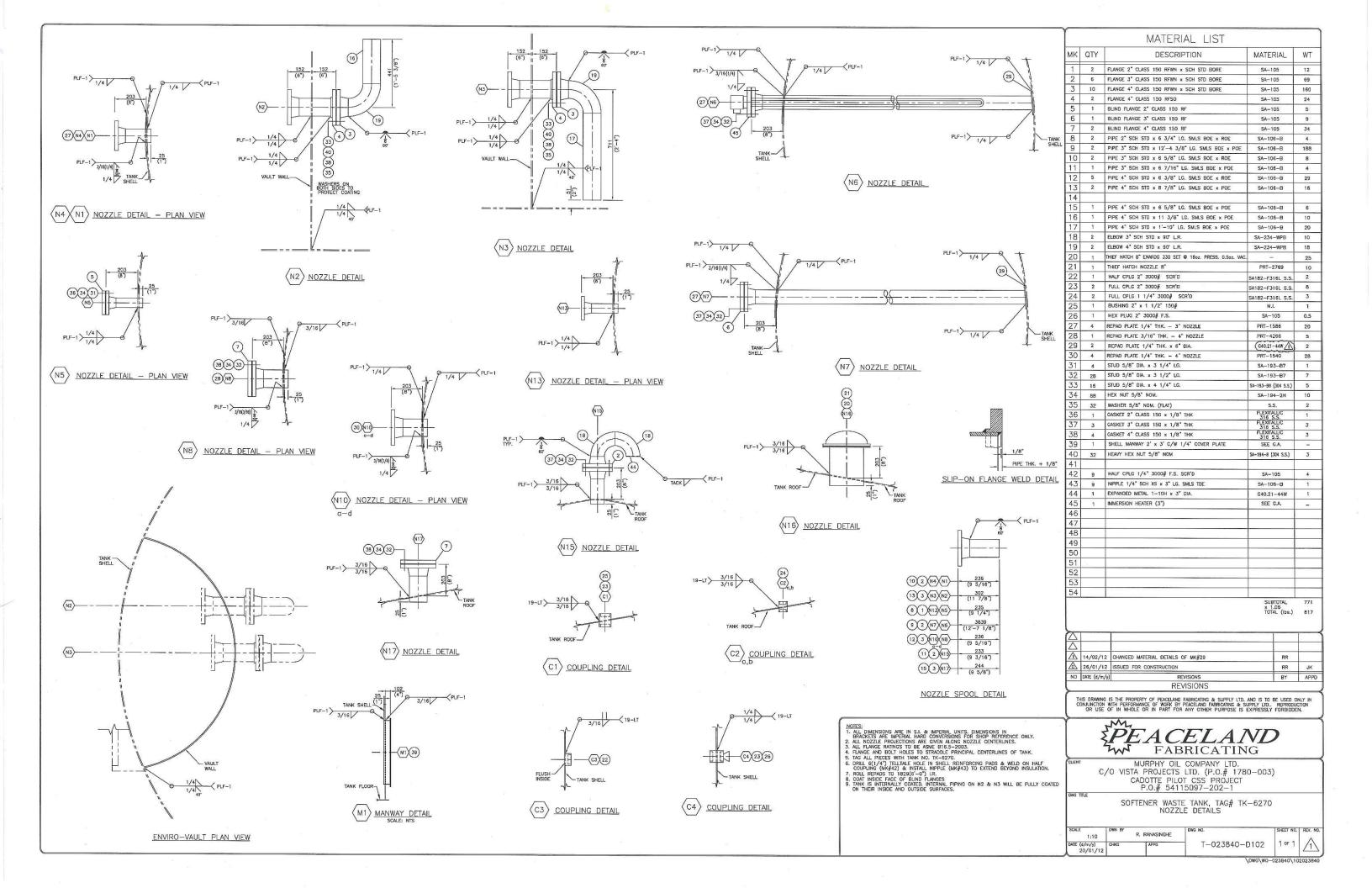
PROJECT NAME:	1780-Murphy Oil Cadotte
VENDOR NAME:	UNIVERSAL INDUSTRIES
DOCUMENT NUMBER:	T-023840-D101-2
VENDOR REVISION:	1
DOCUMENT DESCRIPTION:	Softener Waste Tank Design Data
VENDOR TRANSMITTAL NUMBER:	TR004-023840

SURFACE PREPARATION & PAINTING REQUIREMENTS	HEAT TREATMENT	PROCESS DATA	NAMEPLATE DETAIL	DESIGN DATA
ITEM	NONE	5	FABRICATED BY: PEACELAND FABRICATING LTD. HYTHE, ALBERTA	
APPURTENANCES N/A N/A N/A N/A N/A PROTRUSIONS NOTE 1 NOTE 1 NOTE 1 NOTE 1 NOTE 1 NOTE 1 INTERNAL FLANGES NOTE 2 NOTE 2 NOTE 2 NOTE 2 NOTE 2		u ±	APPENDIX API-12F MOD DESIGN PRESSURE 6.9 KPog(16 oz.)  YEAR COMPLETED 2012  NOMINAL DIAMETER 3658mm(12'-0") DESIGN TEMPERATURE 93°C(200°F)  NOMINAL HEIGHT 6096mm(20'-0") PARTIAL STRESS RELIEF N/A	
EXTERNAL LADDER NOTE 2 NOTE 4		8	NOMINAL CAPACITY 64m³ (400 BBL) JOB W0-023840  FLOOR THICKNESS 6.35mm(0.25") SERIAL NO. 023840-01  ROOF THICKNESS 4.76mm(0.1875") PURCHASER'S TANK NO. TK-6270	
NOTES  1. SANDBLAST TANK EXTERIOR TO SSPC—SP6 UTILIZING SIL 7. APPLY TWO COATS OF RUSTOLEUM 4285 HEAT—RESISTANT TO COMPLETE (GREY).	#		SHELL COURSE 1 [6.35mm(0.25")]  COURSE 2 [4.76mm(0.1875")]  COURSE 3 [4.76mm(0.1875")]	
2. SANDBLAST COMPLETE FLOOR, SHELL AND ROOF TO SSPC-SP5 AND APPLY 12–14 MILS DFT DEVOE 253 UTILIZING A THREE PART SYSTEM. NOZZLES THROUGH THE SHELL & ROOF, INTERNAL & EXTERNAL	HYDROTEST REQUIREMENTS	MATERIAL REQUIREMENTS	DESIGN DATA	
FLANCE FACES WILL BE COATED AS PER STANDARD PRACTICE. FLANGE FACES ONLY 1 COAT OF PRODUCT.  3. DELETED   3. DELETED	N/A	ROOF:         G40.21-44W         COUPLINGS (IN SHELL):         SA-182-F316L S.S.           ANNULAR:         N/A         FITTINGS:         SA-234-WPB	DESIGN CODE: API-12F MODIFIED  DESIGN PRESSURE: 6.90 kPag (27.70" W.C.)	×
4. LADDERS & PLATFORMS TO BE BLASTED TO SSPC-SP6 & APPLY TWO COAT OF RUSTOLEUM 4285.	2	SHELL: G40.21-44W STUD BOLTS: SA-193-B7 (EXTERNAL)  FLOOR: G40.21-44W HEX NUTS: SA-194-2H	DESIGN VACUUM:	
DESCRIPTIONS: SSPC—SP5 — WHITE METAL BLAST SSPC—SP6 — COMMERCIAL BLAST		(EXTERNAL)           STRUCTURAL: SA-36         GASKETS:           NOZZLES:         FLEXITALLIC 316 S.S.           PIPE:         MANWAYS:           NOZZI F         NOZZLES:	OPERATING PRESS./TEMP. ATM. © 15°C (59°F)  DESIGN SPECIFIC GRAVITY: 1.0 © 15°C (59°F)	
INSULATION REQUIREMENTS	Ti .	NVZZLES: SA-106-B  ROOF NOZZLES: SA-106-B  INTERNALS: SA-106-B	SEISMIC ZONE:         NOT APPLICABLE           DESIGN WIND LOAD:         133 Km/HR (83.1 MPH)           DESIGN LIVE ROOF LOAD:         200 Kg/m² (41.0 psf)	
ROOF FIBERGLASS 50mm (2") ALUMINU CLADING 0.020"  STREET 32 Kg/m² 50mm (2") CORRUGATED 0.020"	a .	FLANGES:  NOZZLE THROUGH SHELL: SA-105  ROOF NOZZLES: SA-105  INTERNALS: SA-105	CORROSION ALLOWANCE: SHELL: NONE FLOOR: NONE ROOF: NONE	
NOTES: TANK BOTTOM 1200 mm COURSE AND 600 mm AROUND ROOF PLATFORM SHALL BE INSULATED WITH HIGH DENSITY FIBERGLASS OF 96 Kg/m³ DENSITY	,	INTERNAL BOLTING: 304 S.S. STUDS: 304 S.S.	STRUCTURAL: NONE  MAXIMUM FILLING HEIGHT: 6096mm (20'-0")  FOUNDATION TYPE: L-SKID	
	MARKING AND PREPARATION FOR SHIPMENT	INSPECTION AND TESTING	FABRICATION NOTES	
FIREPROOFING REQUIREMENTS  ITEM FIREPROOFING THK.	1. ALL FLANGED OPENINGS SHALL BE PROTECTED WITH WOODEN OR STEEL BLINDS TO PREVENT THE ACCUMULATION OF DIRT AND OTHER DEBRIS DURING SHIPPING. 2. PLASTIC SHIPPING PLUGS TO BE INSTALLED ON ALL COUPLINGS FOR THREAD PROTECTION. 3. ALL REMOVABLE PIECES TO BE MARKED WITH EQUIPMENT TAG NUMBER. 4. TANK MUST BE COMPLETELY CLEAN AND DRY BEFORE BEING SEALED FOR SHIPMENT. (NO HYDROCARBON FILM, MILL SCALE, HEAVY)	A. TESTING  VACUUM TESTING  -VACUUM TEST FLOOR SEAMS AS PER API-650, SECT. 8.6.  HYDRO TESTING  -NOT REQ'D  AIR TESTING  -AIR TEST NOZZLE REPADS AS PER API-650  -AIR TEST TO 24 oz.	1. ALL DIMENSIONS ARE IN S.I. & IMPERIAL UNITS. DIMENSIONS IN BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY. 2. ALL NOZZLE PROJECTIONS ARE GIVEN ALONG NOZZLE CENTERLINES. 3. ALL FLANGE RATINGS TO BE ASME B16.5—2009. 4. DRILL 1/4" TELLTALE HOLE IN SHELL REINFORCING PADS AND WELD ON HALF COUPLING AND ADD NIPPLE TO EXTEND BEYOND INSULATION. 5. FLANGE AND BOLT HOLES TO STRADDLE PRINCIPAL CENTERLINES OF TANK. 6. TAG ALL PIECES WITH TANK NO. TK—6270 7. INSIDE EDGES OF NOZZLE NECKS, INSPECTION OPENINGS AND MANWAYS	
	RUST, SLAG, DIRT & SPLATTER.)	RADIOGRAPHY -NOT REQ'D	7. INSIDE EDGES OF NOZZLE NECKS, INSPECTION OPENINGS AND MANMATS SHALL BE ROUNDED TO A RADIUS OF \$3(1/8") MIN. OR ONE HALF THE WALL THICKNESS IF THE PIPE WALL IS LESS THAN 6(1/4").	
NOTES:NONE	*	B. VISUAL EXAMINATION  1. EXAMINATION AND ACCEPTANCE CRITERIA AS PER API—650 SECTION 8.5.  2. 100% VISUAL EXAMINATION IS REQUIRED FOR ALL WELDING.		△         26/01/12         CHANGED INTERNAL PIPING NOTE AND DELETED NOTE 3         RR           △         06/01/12         ISSUED FOR CONSTRUCTION         RR         JK           △         07/12/11         ISSUED FOR CUSTOMER APPROVAL         RR         JK           NO         DATE (d/m/y)         REVISIONS         BY         APPO
		·		REVISIONS  THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD., REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.
		=		EPEACELAND FABRICATING
OTHER NOTES		52 C		CUENT MURPHY OIL COMPANY LTD.  C/O VISTA PROJECTS LTD. (P.O.# 1780-003)  CADOTTE PILOT CSS PROJECT  P.O.# 54115097-202-1
				SOFTENER WASTE TANK, TAG# TK-6270 DESIGN DATA & FABRICATION NOTES  SCALE  N.T.S.  DATE (d/m/y) O6/01/12  OM/O APPO  DOM/O NO.  T-023840-D101  DWC\W0-023840\101D238405817



		VIST	A Projects Limited			
	VENDOR DRAWING/DOCUMENT SQUAD CHECK					
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/ documents.					
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.					
С	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.					
D	Not required for review. Received for information.					
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.						
SDR C	CODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE		
DMO	2	TK-6270	D. Lamon	2012-02-15		

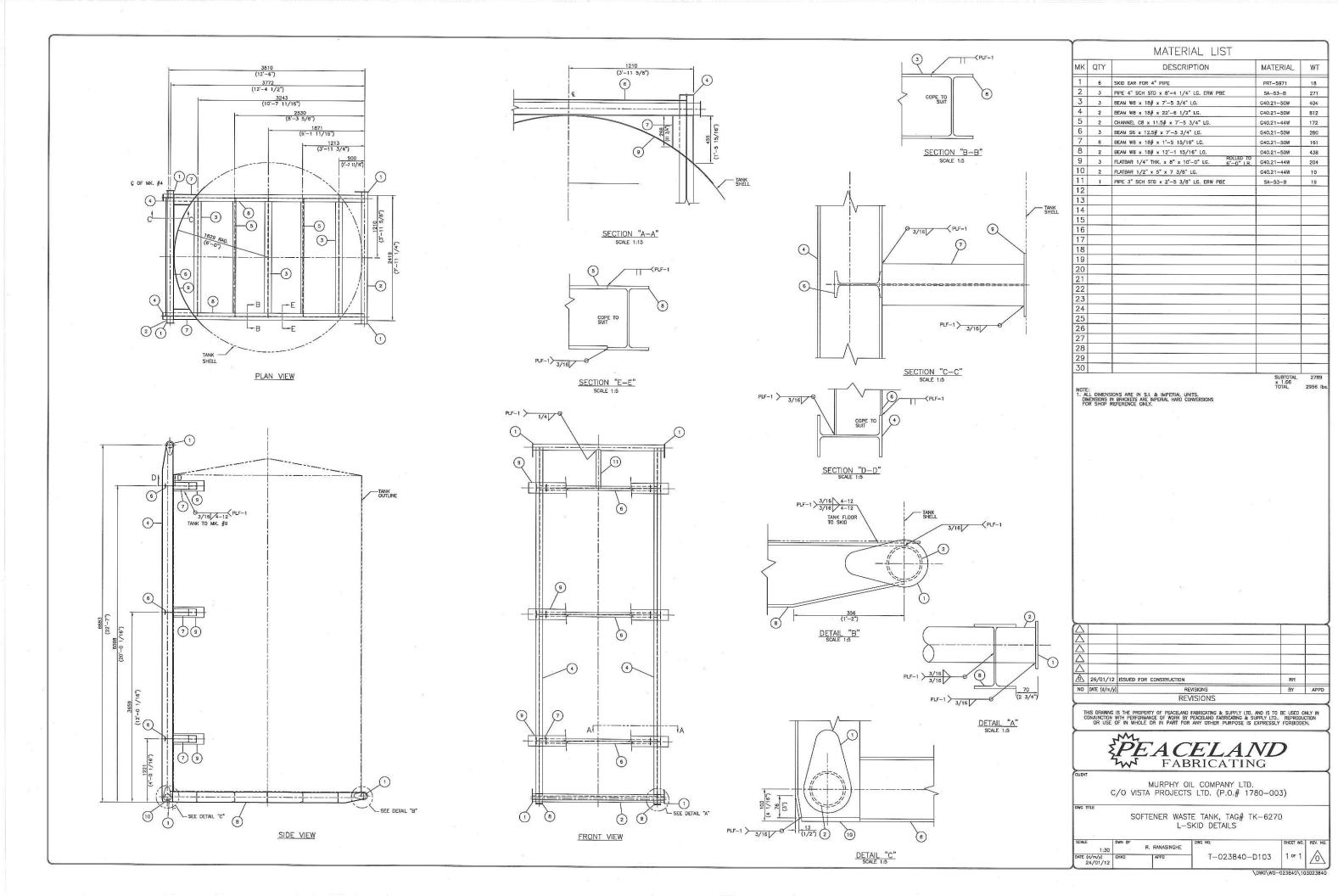
PROJECT NAME:	Murphy Oil Cadotte - 1780
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023840-D102
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Softener Waste Tank Nozzle Betails
VENDOR TRANSMITTAL NUMBER:	005-023840





VISTA Projects Limited							
	VENDOR DRAWING/DOCUMENT SQUAD CHECK						
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/ documents.						
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.						
С	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.						
D	Not required for review. Received for information.						
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.							
SDR C	CODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE			
DM-0	n	TK-6270	J. Lemon	2012-02-10			

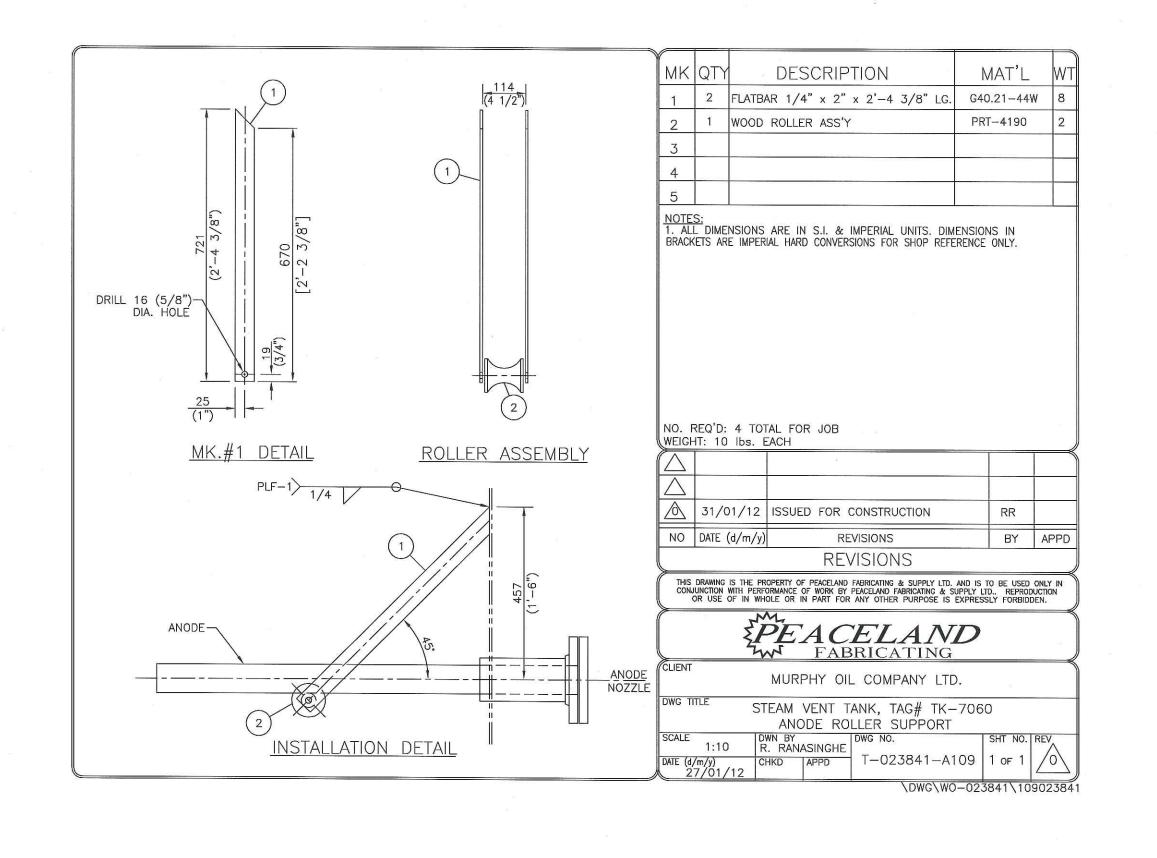
PROJECT NAME:	1780-Murphy Oil Cadotte
VENDOR NAME:	UNIVERSAL INDUSTRIES
DOCUMENT NUMBER:	T-023840-D103
VENDOR REVISION:	0
DOCUMENT DESCRIPTION:	Softener Waste Tank L-Skid Details
VENDOR TRANSMITTAL NUMBER:	TR004-023840





	VISTA Projects Limited					
72	VE	NDOR DRAWIN	IG/DOCUMENT SQL	JAD CHECK		
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/					
	documents.					
B				d with fabrication and resubmit		
				if any drawings/documents		
			chase order condition			
C				wing/document for review.		
				uments requiring approval, as		
	per purchase order conditions, are at this code.					
(D)	Not required for review. Received for information.					
				cept and specifications provided.		
The eng	gineer does not	warrant or repre	esent that the informa	ation contained on this		
drawing	/document is e	ither accurate or	complete. Sole resp	onsibility for correct design,		
detail a	detail and dimensions shall remain with the party submitting the drawing/document.					
SDR	DR CODE   EQUIPMENT TAG   REVIEWED BY   DATE					
OMO	12 TK	-7060	D-Lornor	2012-02-16		
0						

PROJECT NAME:	Murphy Of Cadotte 1780-003
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023841-A109
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Anode Roller Support Steam Vent Tank TK-7060
VENDOR TRANSMITTAL NUMBER:	TR-003, 023841

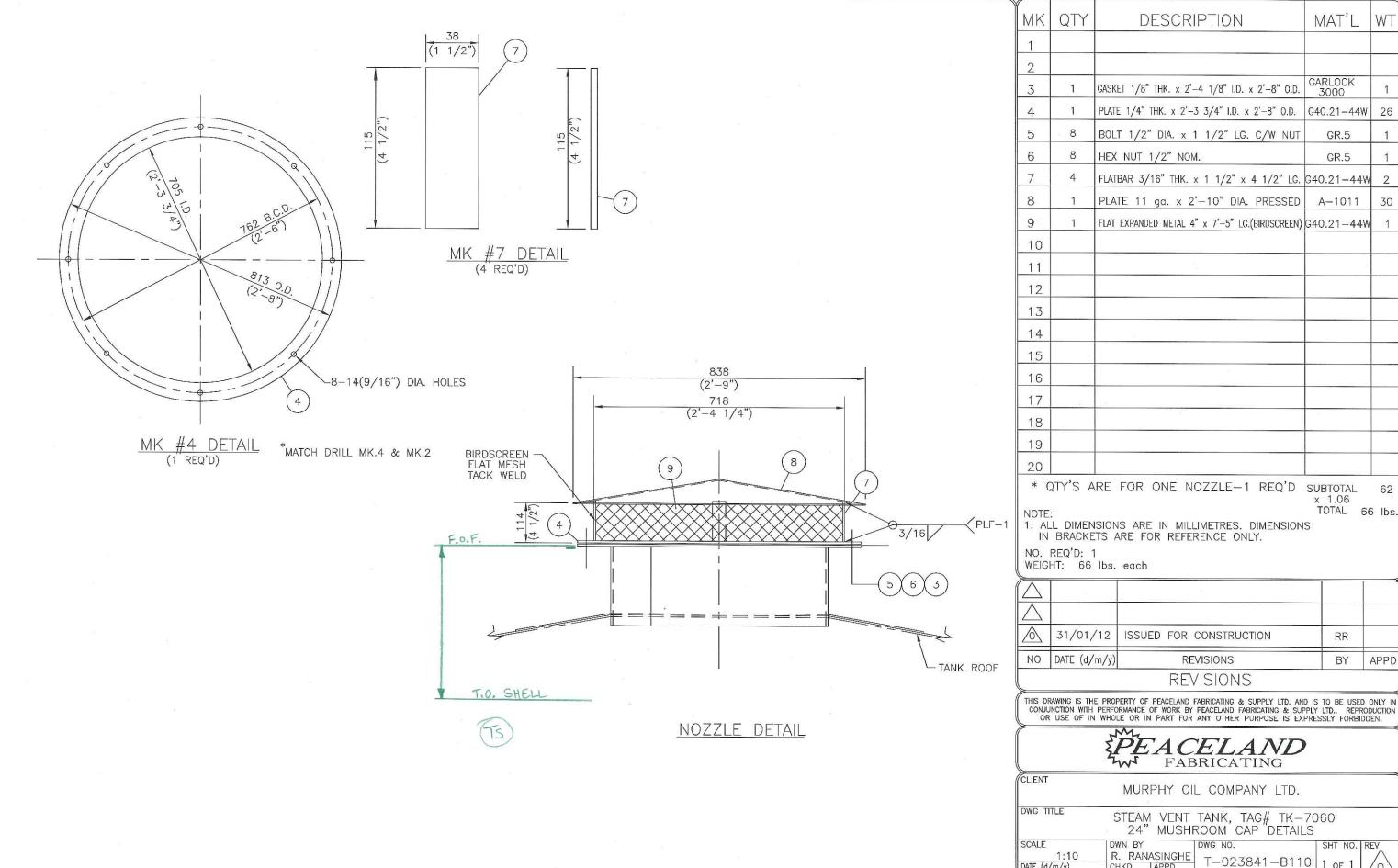




NUMBER:

	VISTA Projects Limited							
	VENDOR DRAWING/DOCUMENT SQUAD CHECK							
	A	Reviewed without exception. Proceed with fabrication. Issue final drawings/						
1		docum	ents.					
0	B	Reviev	ved except as marked a	and/or noted. Procee	d with fabrication and resubmit			
		drawin	g/document. Shipment	will not be released,	if any drawings/documents			
		requiri	ng approval, as per pur	chase order condition	ns, are at this code.			
	C	Not ac	cepted. Revise as mark	ced and resubmit dra	wing/document for review.			
					uments requiring approval, as			
		per purchase order conditions, are at this code.						
	D	Not required for review. Received for information.						
					cept and specifications provided.			
			oes not warrant or repre					
					onsibility for correct design,			
	detail ar	detail and dimensions shall remain with the party submitting the drawing/document.						
	SDR C	ODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE			
	DMO	12	TK-7060	D. Landa	2012-02-16			

PROJECT NAME:	Murphy O'll Cadotte 1780 - 00
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023841-B110
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	24" Mushroom Cap Details Steam Vent Tank TK. 7060
VENDOR TRANSMITTAL	01000.1 VENT 10011 1K. 1060



MAT'L GARLOCK 3000 GASKET 1/8" THK. x 2'-4 1/8" I.D. x 2'-8" O.D. PLATE 1/4" THK. x 2'-3 3/4" I.D. x 2'-8" O.D. 26 G40.21-44W BOLT 1/2" DIA. x 1 1/2" LG. C/W NUT GR.5 GR.5 FLATBAR 3/16" THK. x 1 1/2" x 4 1/2" LG. G40.21-44W PLATE 11 ga. x 2'-10" DIA. PRESSED A-1011 FLAT EXPANDED METAL 4" x 7'-5" LG.(BIRDSCREEN) G40.21-44W \* QTY'S ARE FOR ONE NOZZLE-1 REQ'D SUBTOTAL x 1.06 TOTAL 66 lbs. 1. ALL DIMENSIONS ARE IN MILLIMETRES. DIMENSIONS

	=	II.		
$\triangle$				
$\triangle$	31/01/12	ISSUED FOR CONSTRUCTION	RR	
ИО	DATE (d/m/y)	REVISIONS	BY	APPD

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN

#### PEACELAND FABRICATING

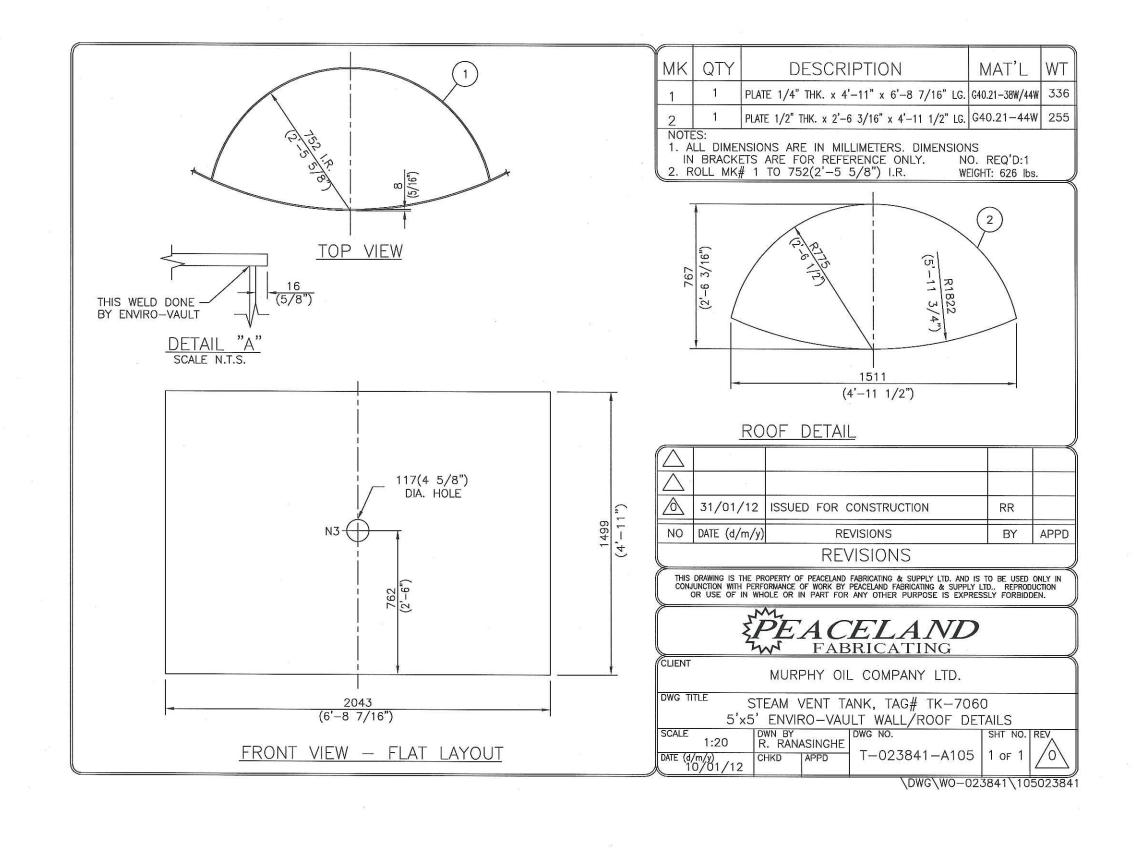
MURPHY OIL COMPANY LTD. STEAM VENT TANK, TAG# TK-7060 24" MUSHROOM CAP DETAILS T-023841-B110 1 of 1 DATE (d/m/y) 31/01/12 CHKD APPD

\DWG\WO-023841\110023841



	VISTA Projects Limited				
	VENDOR DRAWING/DOCUMENT SQUAD CHECK				
A		Reviewed without exception. Proceed with fabrication. Issue final drawings/			
В	drawing	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
C	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
D	Not required for review. Received for information.				
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.					
SDR	CODE	<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE	
DMOZ	2	TK-2060	D. Leman	2012-02-16	

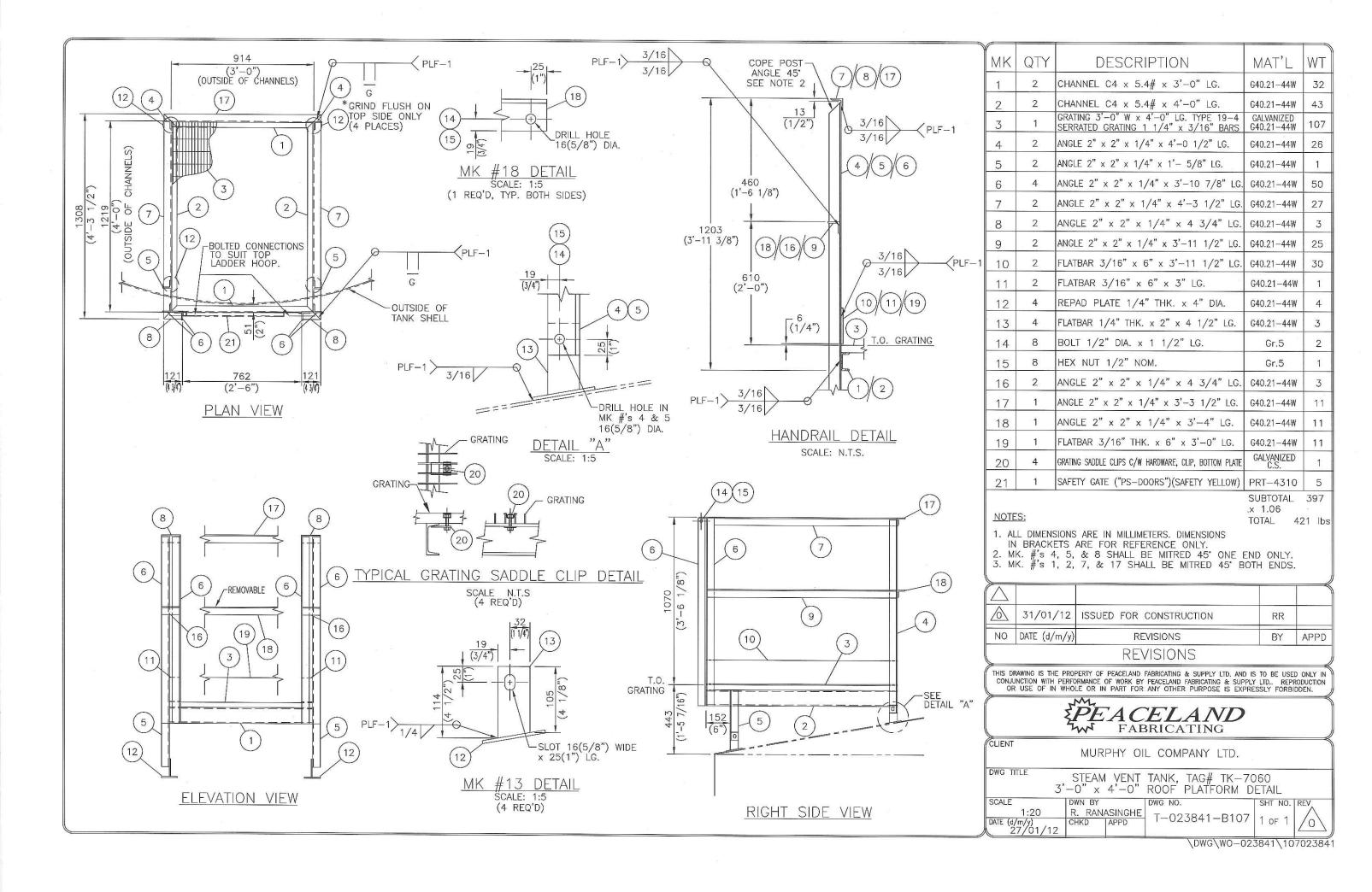
PROJECT NAME:	Murphy Oil Codotte 1780-003
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023841-19105
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	5×5 Enviro - Vault Wall/Roof Details Steam Vent Tank TK. 7060
VENDOR TRANSMITTAL NUMBER:	TR-003-023841





	VISTA Projects Limited				
	VENDOR DRAWIN	IG/DOCUMENT SQL	UAD CHECK		
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/				
В	documents.  Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
C	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
<b>(D)</b>	Not required for review. Received for information.				
Reviewed only as to general conformity with the design concept and specifications provided.  The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.  SDR CODE  EQUIPMENT TAG  REVIEWED BY  DATE					
DC02 TK-7066 D. Lemon 2012-02-16		2012-02-16			

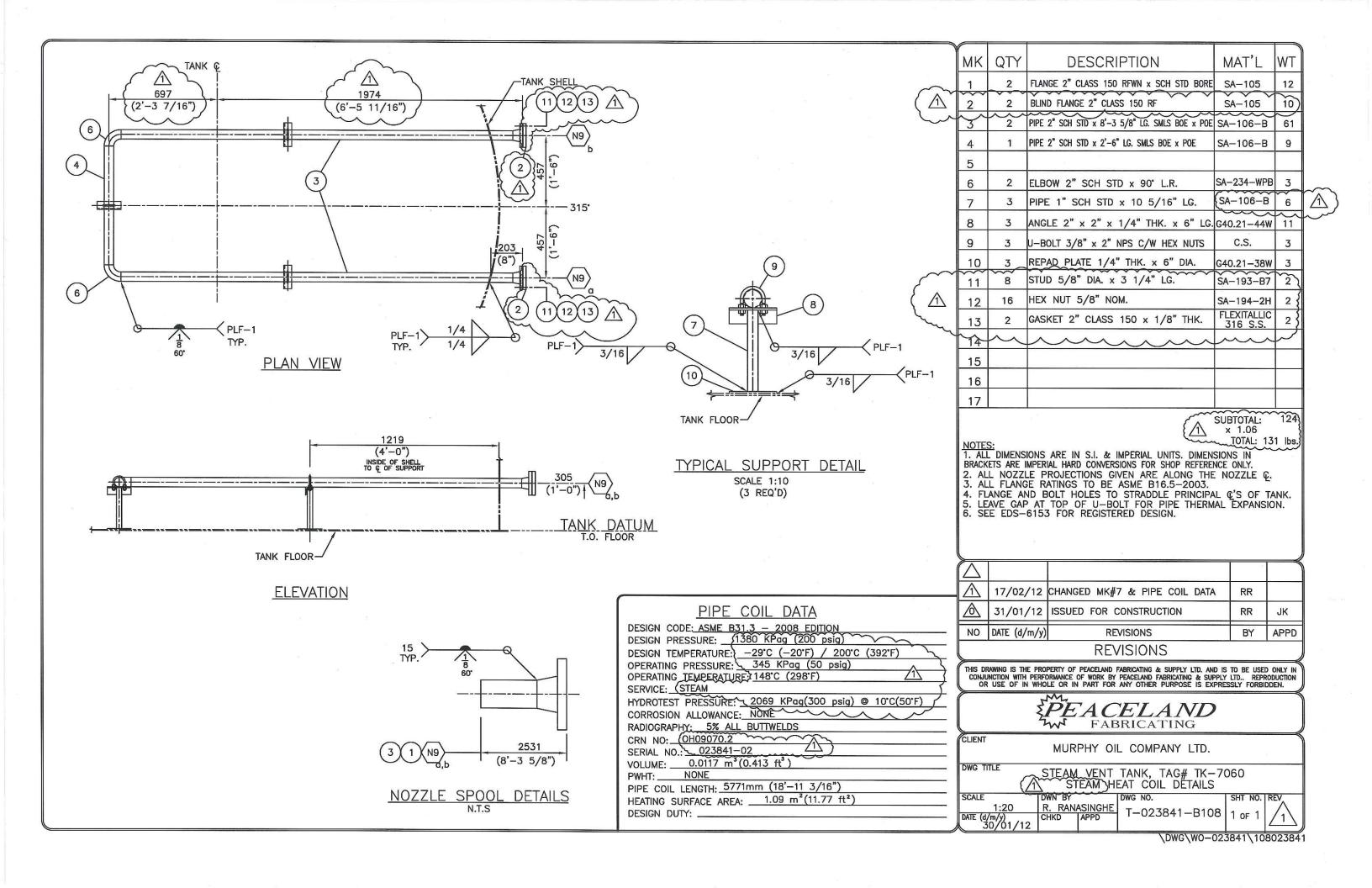
PROJECT NAME:	Murphy O'll Cadotte 1780-003
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023841-B107
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	3-0"×4-0" Roof Platform Detail Steam Vent Tank TK-7060
VENDOR TRANSMITTAL NUMBER:	TR-003-023841





		VIST	A Projects Limited	
				UAD CHECK
A	VENDOR DRAWING/DOCUMENT SQUAD CHECK Reviewed without exception. Proceed with fabrication. Issue final drawings/ documents.			
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
С	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
D	Not required for review. Received for information.			
The eng	gineer do /docum	oes not warrant or repre ent is either accurate or	esent that the informatic complete. Sole resp	ncept and specifications provided. ation contained on this consibility for correct design, g the drawing/document.
SDR C		<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE
DM-C	2	TK-7060	D. Patil	2012-02-21

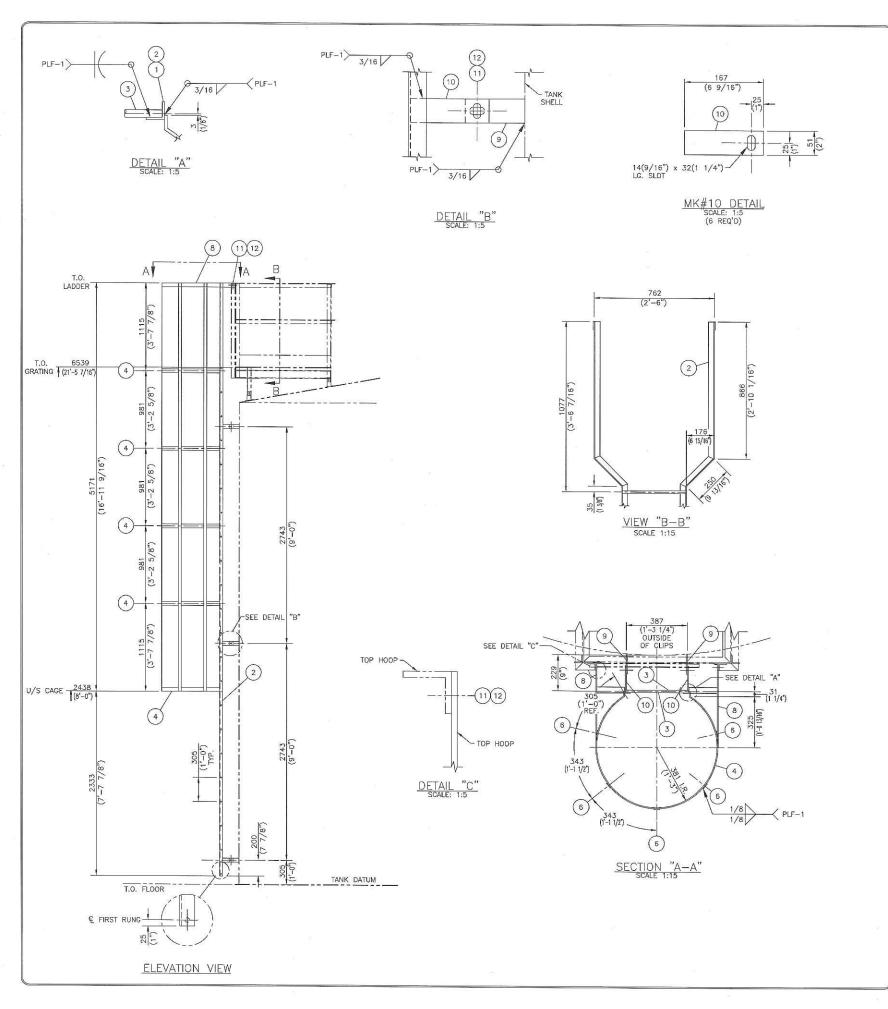
PROJECT NAME:	Murphy Vil Cadotte-1780-003
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023841-B108
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Steam Vent Tank Steam Heat Coil Details
VENDOR TRANSMITTAL NUMBER:	004-023841





	VISTA Projects Limited			
	VENDOR DRAWING/DOCUMENT SQUAD CHECK			
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.			
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
C	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
D	Not required for review. Received for information.			
Reviewed only as to general conformity with the design concept and specifications provided. The engineer does not warrant or represent that the information contained on this drawing/document is either accurate or complete. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the drawing/document.				
SDR C	ODE EQUIPMENT TAG REVIEWED BY DATE			
DC 02 TK-7060 D-Lamor 2012-02-16				

PROJECT NAME:	MURPHY 011 CADOTTE 1180-00
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-003841-C104
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Ladder Details Steam Vent Tank TK-7060
VENDOR TRANSMITTAL NUMBER:	TR-003-083841



		MATERIAL LIST		
мк	QTY	DESCRIPTION	MATERIAL	WT
1				
2	2	ANGLE 1 1/2" x 1 1/2" x 3/16" x 24'-10 3/8" LG.	G40.21-44W	90
3	22	ROD 5/8" DIA. x 1'-3 3/4" LG.	G40.21-44W	120
4	5	LADDER HOOP	PRT-4284	55
5		8		
6	5	FLATBAR 3/16" THK. x 1 1/2" x 16'-11 9/16" LG.	G40.21-44W	81
7				
8	1	FLATBAR 1/4" THK. x 2" x 7'-9 3/8" LG.	G40.21-44W	13
9	6	FLATBAR 1/4" THK. x 2" x 5" LG.	PRT-4283	4.5
10	6	FLATBAR 1/4" THK. x 2" x 6 9/16" LG.	G40.21-44W	6
11	8	BOLT 1/2" DIA. x 1 1/2" LG.	GR.5	Ť
12	8	HEX NUT 1/2" NOM.	GR.5	1
13				
14				
15				
			9000 NEWS NEWS NO.	0.000

SUBTOTAL × 1.06 TOTAL

393 lbs

NOTES:

1. ALL DIMENSIONS ARE IN S.I. & IMPERIAL UNITS. DIMENSIONS IN BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY.

2. GRIND ALL SHARP EDGES SMOOTH.

3. SEE G.A. SHT2 FOR FINISHING NOTES.

<b>—</b>				
$\triangle$				
$\triangle$				
Δ		2-11-2-		
$\triangle$		#		
△	31/01/12	ISSUED FOR CONSTRUCTION	RR	
NO	DATE (d/m/y)	REVISIONS		APPD
		DEMISIONS		

THIS DRAWING IS THE PROPERTY OF PEACELAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY PEACELAND FABRICATING & SUPPLY LTD... REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.



CLIENT

MURPHY OIL COMPANY LTD.

DWG TITLE

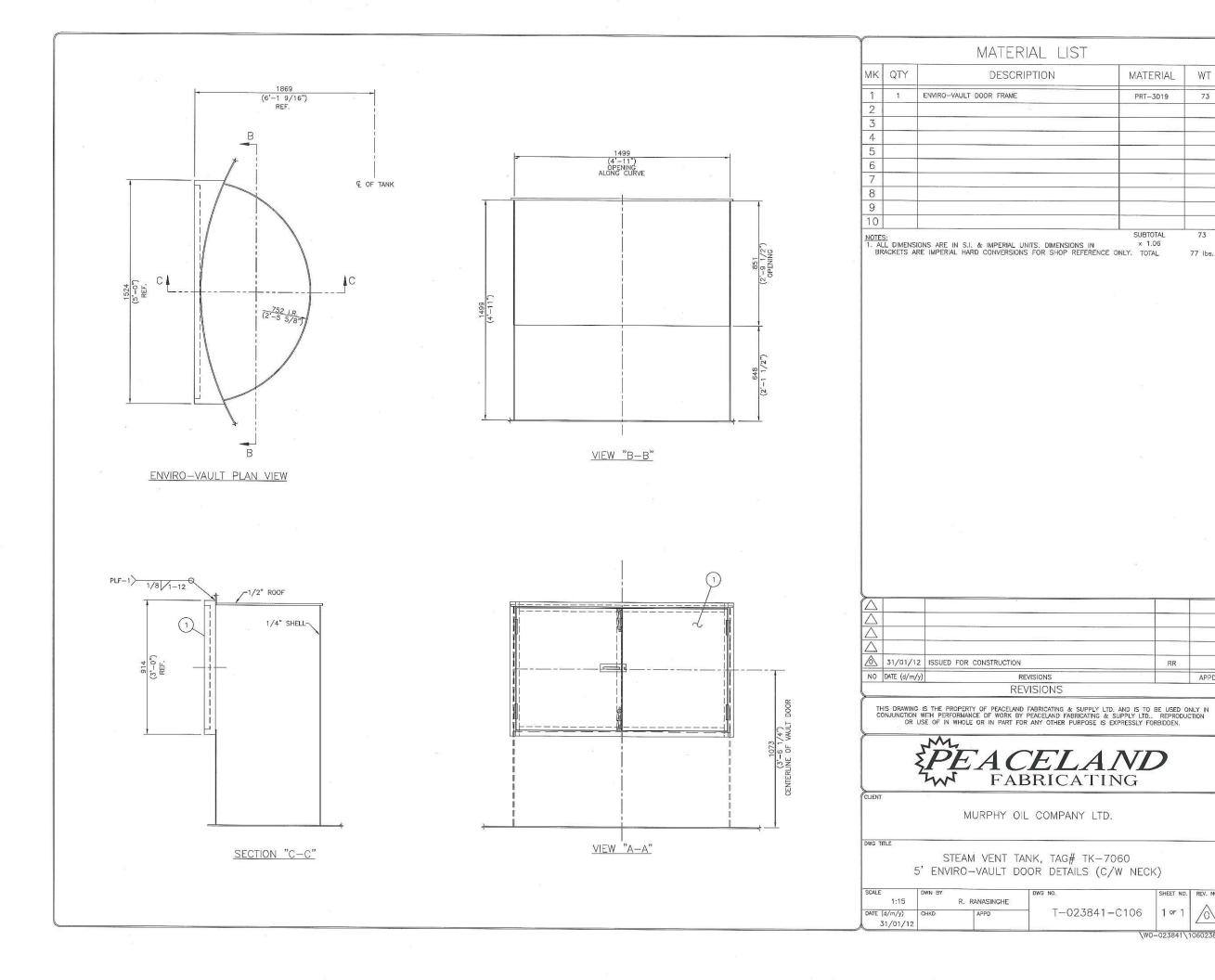
STEAM VENT TANK, TAG# TK-7060 LADDER DETAILS

DWN BY		DWG NO.	SHEET NO.	REV. NO.
CHKD	R. RANASINGHE APPD	T-023841-C104	1 of 1	<u></u>
	F	R. RANASINGHE CHKD APPD	R. RANASINGHE T-023841-C104	R. RANASINGHE         T-023841-C104         1 of 1



	VISTA Projects Limited		
	VENDOR DRAWING/DOCUMENT SQUAD CHECK		
A	Reviewed without exception. Proceed with fabrication. Issue final drawings/documents.		
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.		
C	Not accepted. Revise as marked and resubmit drawing/document for review.  Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.		
(D)	Not required for review. Received for information.		
The eng	d only as to general conformity with the design concept and specifications provided. ineer does not warrant or represent that the information contained on this document is either accurate or complete. Sole responsibility for correct design, d dimensions shall remain with the party submitting the drawing/document.		
SDR C	ODE EQUIPMENT TAG REVIEWED BY DATE		
DMO	_ TK-7060 D. Lemon 2012-02-16		

PROJECT NAME:	Murphy Oil Cadotte 1780-603
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023841-C106
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	5" Enviro-Vault Door Detail (C/W Neck) Steam Vent Tank TK-7060
VENDOR TRANSMITTAL NUMBER:	TR-003-023841



MATERIAL

PRT-3019

SUBTOTAL × 1.06

WT

73

77 lbs.

APPD

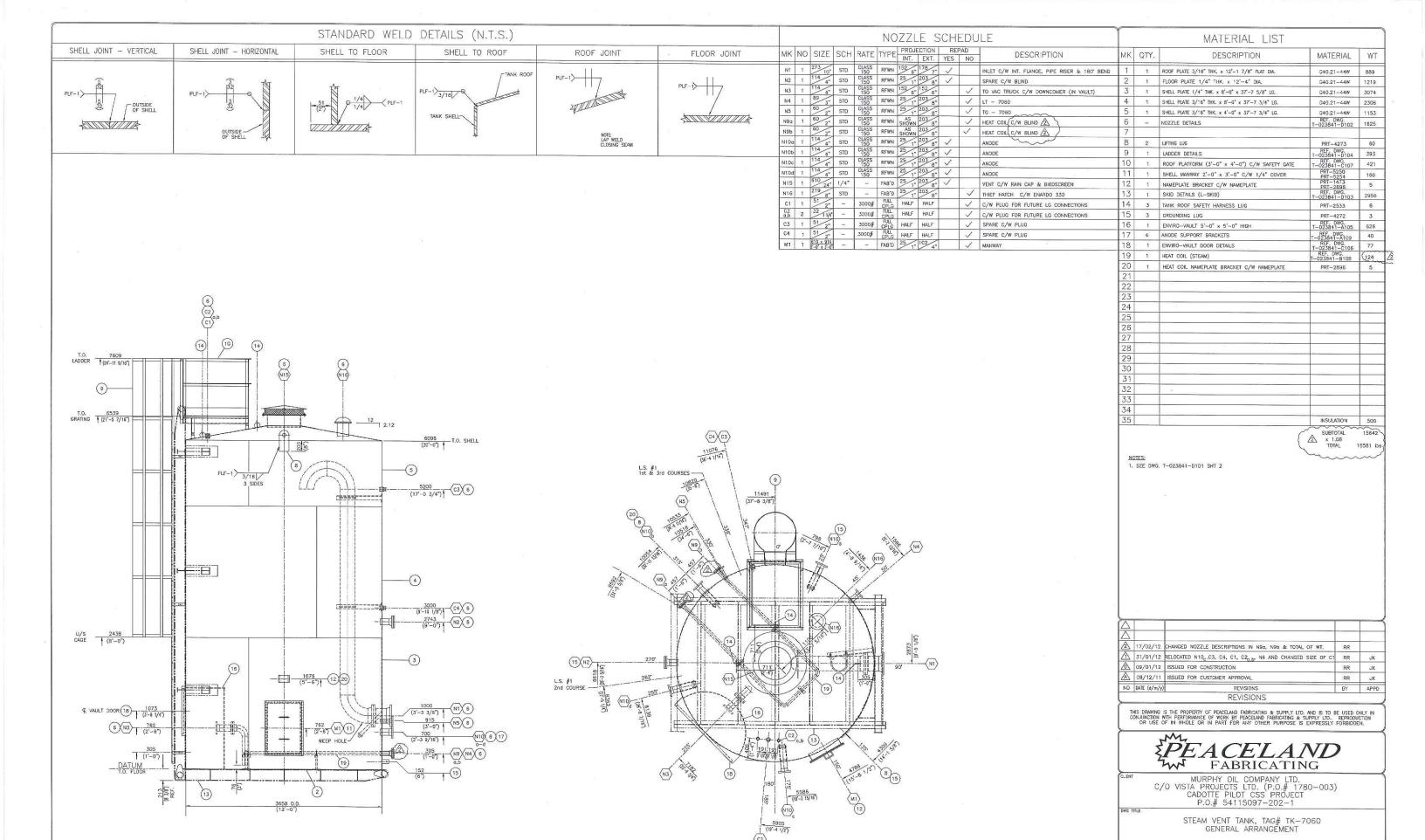
SHEET NO. REV. NO.

\W0-023841\106023841



		VIST	A Projects Limited	
4			NG/DOCUMENT SQ	UAD CHECK
A	Reviev docum	the state of the s	Proceed with fabricat	tion. Issue final drawings/
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.		if any drawings/documents	
C	Not accepted. Revise as marked and resubmit drawing/document for review. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
D	Not required for review. Received for information.			
The eng	jineer do /docum	oes not warrant or repre- ent is either accurate or	esent that the informatic r complete. Sole resp	acept and specifications provided. ation contained on this consibility for correct design, the drawing/document.
SDR C		<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE
DG02/0	13	TK-7060	D. Patil	2012-02-21

PROJECT NAME:	Murphy Oil Cadotte- 1780-00	>3
VENDOR NAME:	Universal Induxonies	
DOCUMENT NUMBER:	T-023841-D101-1	9
VENDOR REVISION:	2	. 4
DOCUMENT DESCRIPTION:	Steam Vent Tank General	Arrangement
VENDOR TRANSMITTAL NUMBER:	004-023841	2



ORIENTATION

**ELEVATION** 

\DWG\WO\_023841\1010238415HT1

TANK 64 CUBIC METERS (400 Bbl)

T-023841-D101

3658mm 0.D. x 6096mm HIGH (12'-0" 0.D. x 20'-0" HIGH)

1:30

DATE (d/m/y) 26/01/12



	11	-3	VISTA Proi	ects Limited	[
					QUAD CHECK
A	Review		tion. Procee	d with fabrica	ation. Issue final drawings/
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.				
С	Shipm		eased, if any	drawings/do	awing/document for review. cuments requiring approval, as
D	Not red	quired for review.	Received for	information.	
The eng	gineer do /docume	oes not warrant or ent is either accur	represent thate or compl	at the informete. Sole res	ncept and specifications provided nation contained on this ponsibility for correct design, g the drawing/document.
SDR C		EQUIPMENT T		Lemon	DATE 2012-01-16

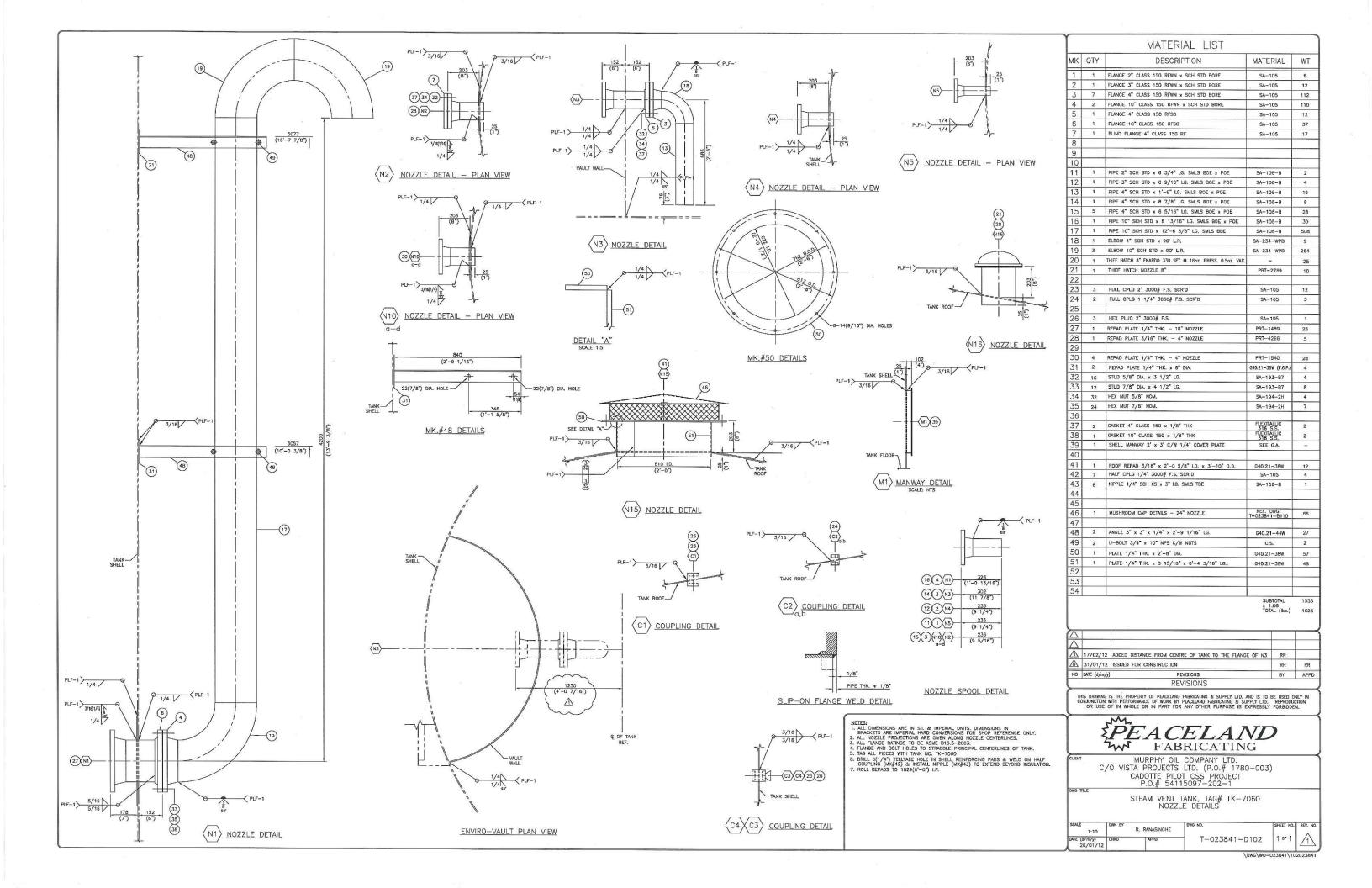
PROJECT NAME:	Murphy Oil Cadottu	
VENDOR NAME:	Universal industries	
DOCUMENT NUMBER:	T-023841-D101-2	
VENDOR REVISION:		
DOCUMENT DESCRIPTION:	Steam Vent Tonk Design Datar	Fabrication Nuts.
VENDOR TRANSMITTAL NUMBER:	#	

NONE		FABRICATED BY: PEACELAND FABRICATING LTD. HYTHE, ALBERTA  APPENDIX API-12F MOD DESIGN PRESSURE (6.9 KPag(16 oz.) 0.2 KPag(0.5 oz.) VAC.  YEAR COMPLETED 2012 NOMINAL DIAMETER 3658mm(12'-0") DESIGN TEMPERATURE 93°C(200°F) NOMINAL HEIGHT 6096mm(20'-0") PARTIAL STRESS RELIEF N/A NOMINAL CAPACITY 64m³ (400 BBL) FLOOR THICKNESS 6.35mm(0.25") SERIAL NO. 023841-01 ROOF THICKNESS 4.76mm(0.1875") PURCHASER'S TANK NO. TK-7060	
		SHELL COURSE 1 6.35mm(0.25")  COURSE 2 4.76mm(0.1875")  COURSE 3 4.76mm(0.1875")	
HYDROTEST REQUIREMENTS	MATERIAL REQUIREMENTS	DESIGN DATA	
/A	ROOF:         G40.21-44W         COUPLINGS (IN SHELL): SA-105N           ANNULAR:         N/A         FITTINGS:         SA-234-WPB           SHELL:         G40.21-44W         STUD BOLTS: SA-193-B7 (EXTERNAL)           FLOOR:         G40.21-44W         HEX NUTS: SA-194-2H (EXTERNAL)           STRUCTURAL:         SA-36         GASKETS: NOZZLES: FLEXITALLIC 316 S.S.	DESIGN CODE: API-12F MODIFIED  DESIGN PRESSURE: 6.90 kPag (27.70" W.C.) (16 oz.)  DESIGN VACUUM: 0.215 kPa (0.50 oz.)  DESIGN TEMPERATURE: -13°C (8.6°F) TO 93°C (200°F)  OPERATING PRESS./TEMP. ATM. 9 15°C (59°F) 98°C (208°F) MAX	
e	NOZZLE	SEISMIC ZONE: NOT APPLICABLE  DESIGN WIND LOAD: 133 Km/HR (83.1 MPH)  DESIGN LIVE ROOF LOAD: 200 Kg/m² (41.0 psf)  CORROSION ALLOWANCE:  SHELL: NONE  FLOOR: NONE	
	INTERNALS:SA-105  INTERNAL BOLTING:C.S STUDS:C.S	ROOF: NONE STRUCTURAL: NONE  MAXIMUM FILLING HEIGHT: 6096mm (20'-0") FOUNDATION TYPE: L-SKID	* * *
MARKING AND PREPARATION FOR SHIPMENT  ALL FLANGED OPENINGS SHALL BE PROTECTED WITH WOODEN OR STEEL BLINDS TO PREVENT THE ACCUMULATION OF DIRT AND OTHER DEBRIS DURING SHIPPING. PLASTIC SHIPPING PLIGS TO BE INSTALLED ON ALL COUPLINGS FOR THREAD PROTECTION.  ALL REMOVABLE PIECES TO BE MARKED WITH EQUIPMENT TAG NUMBER.  TANK MUST BE COMPLETELY CLEAN AND DRY BEFORE BEING SEALED FOR SHIPMENT. (NO HYDROCARBON FILM, MILL SCALE, HEAVY RUST, SLAG, DIRT & SPLATTER.)	INSPECTION AND TESTING  A. TESTING  MACUUM_TESTING  -VACUUM_TEST FLOOR SEAMS AS PER API-650, SECT. B.6.  HYDRO_TESTING -NOT_REQ^D AIR_TESTING -AIR_TEST NOZZLE_REPADS AS PER API-650 -AIR_TEST TO 24 oz.  RADIGGRAPHY -NOT_REQ^D  B. VISUAL_EXAMINATION  1. EXAMINATION AND ACCEPTANCE_CRITERIA_AS_PER_API-650_SECTION_B.5.	FABRICATION NOTES  1. ALL DIMENSIONS ARE IN S.I. & IMPERIAL UNITS. DIMENSIONS IN BRACKETS ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY.  2. ALL NOZZLE PROJECTIONS ARE GIVEN ALONG NOZZLE CENTERLINES.  3. ALL FLANGE RATINGS TO BE ASME B16.5—2009.  4. DRILL 1/4" TELLTALE HOLE IN SHELL REINFORCING PADS AND WELD ON HALF COUPLING AND ADD NIPPLE TO EXTEND BEYOND INSULATION.  5. FLANGE AND BOLT HOLES TO STRADDLE PRINCIPAL CENTERLINES OF TANK.  6. TAG ALL PIECES WITH TANK NO. TK—7060	
	2. 100% VISUAL EXAMINATION IS REQUIRED FOR ALL WELDING.	4	⚠         09/01/12         ISSUED FOR CONSTRUCTION         RR           ⚠         08/12/11         ISSUED FOR CUSTOMER APPROVAL         RR         JK           NO         DATE (d/m/y)         REVISIONS         BY         APPE
			REVISIONS  THIS DRAWING IS THE PROPERTY OF PEACLAND FABRICATING & SUPPLY LTD. AND IS TO BE USED ONLY IN COMJUNICION WITH PERFORMANCE OF WORK BY PEACLAND FABRICATING & SUPPLY LTD. REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.  PEACLELAND FABRICATING  CLIENT MURPHY OIL COMPANY LTD.  C/O VISTA PROJECTS LTD. (P.O.# 1780-003) CADOTTE PILOT CSS PROJECT P.O.# 54115097-202-1  DWG TITLE  STEAM VENT TANK, TAG# TK-7060 DESIGN DATA & FABRICATION NOTES  SCALE N.T.S. DWN BY R. RAMASINGHE DATE (4/17/12) CHKD APPD TO 23841-D101 2 0 F2 1
ALL TO PL FOR ALL TA	MARKING AND PREPARATION FOR SHIPMENT  FLANGED OPENINGS SHALL BE PROTECTED WITH WOODEN OR STEEL BLINDS PREVENT THE ACCUMULATION OF DIRT AND OTHER DEBRIS DURING SHIPPING. ASTIC SHIPPING PLUGS TO BE INSTALLED ON ALL COUPLINGS OF THREAD PROTECTION.  L REMOVABLE PIECES TO BE MARKED WITH EQUIPMENT GO NUMBER.  NK MUST BE COMPLETELY CLEAN AND DRY BEFORE BEING SALED FOR SHIPMENT. (NO HYDROCARBON FILM, MILL SCALE, HEAVY)	ROOF: G40.21—44W COUPLINGS (IN SHELL): SA—105N ANNULAR: N/A FITTINGS: SA—234—WPB  SHELL: G40.21—44W STUD BOLTS: SA—19.3—87 (EXTERNAL) FLOOR: G40.21—44W HPX MUTS: SA—19.4—2H STRUCTURAL: SA—36 GASKETS: NOZZLES: NOZZLES: FLEXITALIC 316 S.S. PIPE: NOZZLES: SA—106—B ROOF NOZZLES: SA—106—B NITERNALS: SA—106—B NITERNALS: SA—105—B NITERNALS: SA—105 NITERNAL BOLTING: C.S. STUDS: C.S.  INTERNAL BOLTING: C.S. STUDS: C.S.  MARKING AND PREPARATION FOR SHIPMENT  FLANGED OPENINGS SHALL BE PROTECTED WITH WOODEN OR STEEL BLINDS PREVENT THE ACCUMULATION OF DIST AND DIFFER BEING SHIPMING. ASTIC SHIPPING PLUGS TO BE INSTALLED ON ALL COUPLINGS PREVENT THE ACCUMULATION OF DIST AND DIFFER BEING SHIPMING. ASTIC SHIPPING PLUGS TO BE MARKED WITH EQUIPMENT GRAND FOR STEEL BLINDS PREVENT THE ACCUMULATION OF DIST AND DIFFER BEING SHIPMING. ASTIC SHIPPING PLUGS TO BE MARKED WITH EQUIPMENT GRAND FOR STEEL BLINDS ASTIC SHIPPING PLUGS TO BE MARKED WITH EQUIPMENT GRAND FOR SHIPPING PLUGS TO BE MARKED WITH EQUIPMENT GRAND FOR SHIPPING PLUGS TO BE MARKED WITH EQUIPMENT GRAND FOR SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR SHIPPING. ASTIC SHIPPING PLUGS TO BE MARKED WITH WOODEN OR	ROOF: 040.21-44W COUNTINGS IN SHILL) \$4-109H DISSING PRESSURE: 6.50 APE (227.0" N.C.) (16.0.c.) DISSING PRESSURE: 6.50 APE (227.0" N.C.) (10.0.c.) DISSING PRESSURE: 6.50 APE (227.0" N.C.) (10.0.c.) DISSING PRESSURE: 6.50 APE (227.0" N.C.) (10.0.c.) DISSING PRES



		VIST	A Projects Limited	**************************************
			NG/DOCUMENT SQ	UAD CHECK
(A)	Review		Proceed with fabricat	tion. Issue final drawings/
В	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
С	Not accepted. Revise as marked and resubmit drawing/document for review. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.			
D	Not red	quired for review. Rece	ived for information.	,
The eng	ineer do /docume	oes not warrant or repre- ent is either accurate or	esent that the informatic complete. Sole resp	ncept and specifications provided. ation contained on this consibility for correct design, g the drawing/document.
SDR C		<b>EQUIPMENT TAG</b>	REVIEWED BY	DATE
DM-0	2	TK-7000	D. Patil	2012-02-21

PROJECT NAME:	Murphy Oil Cadotte - 1780-003
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023841-D102
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	Steam Vent Tank Nozzle Details
VENDOR TRANSMITTAL NUMBER:	004-023841





	VIST	A Projects Limited	
1	<b>VENDOR DRAWII</b>	NG/DOCUMENT SQL	JAD CHECK
A	Reviewed without exception. documents.	Proceed with fabricat	ion. Issue final drawings/
B	Reviewed except as marked and/or noted. Proceed with fabrication and resubmit drawing/document. Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.		
C	Not accepted. Revise as mar		
	Shipment will not be released, if any drawings/documents requiring approval, as per purchase order conditions, are at this code.		
D	Not required for review. Received for information.		
The end	ed only as to general conformit gineer does not warrant or repr g/document is either accurate o nd dimensions shall remain wit	esent that the informatic complete. Sole resp	onsibility for correct design,
	CODE EQUIPMENT TAG	REVIEWED BY	DATE
多柳	8002 TK.7060	D. Lomon	202-02-16

PROJECT NAME:	Plotphy OII Cadotte 1 180-003
VENDOR NAME:	Universal Industries
DOCUMENT NUMBER:	T-023841-D103
VENDOR REVISION:	
DOCUMENT DESCRIPTION:	L-Skid Details Steam Vent Tank TK- 7060
VENDOR TRANSMITTAL NUMBER:	TR-003-023841

