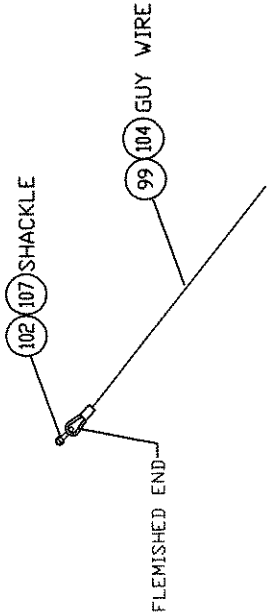
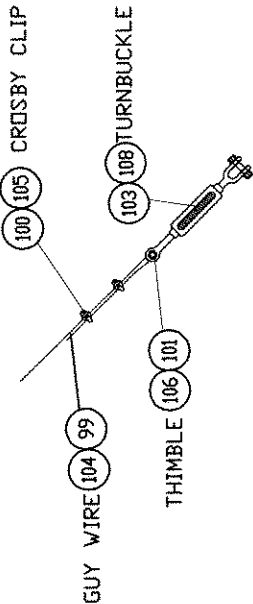


NOZZLE & COUPLING SCHEDULE												
Mark No.	Qty.	Size	Material	Rating	Service	Projection Inside	Projection Outside	Welding Detail	Welding Number	Fillet Weld Size	Description	Elevation
N1	1	#12" [323mm]	SA 105N	150#	FLARE GAS INLET CONNECTION	0"	20"	2.3	3/8"	3/8"	R.F. WELD NECK	10'-0" [3,048mm]
N2	1	#3" [88.9mm]	SA 105N	150#	GAS ASSIST RISER CONNECTION	0"	0"	2.3	3/8"	3/8"	R.F. WELD NECK	5'-0" [1,524mm]

UPPER & LOWER
GUYWIRE LUG CONNECTIONS
ONE - 5/8" G2130 SCREW PIN SAFETY SHACKLE
ONE - 3/8" 6 x 26 GALV. IRWC CABLE
(TYPICAL 3 SETS)

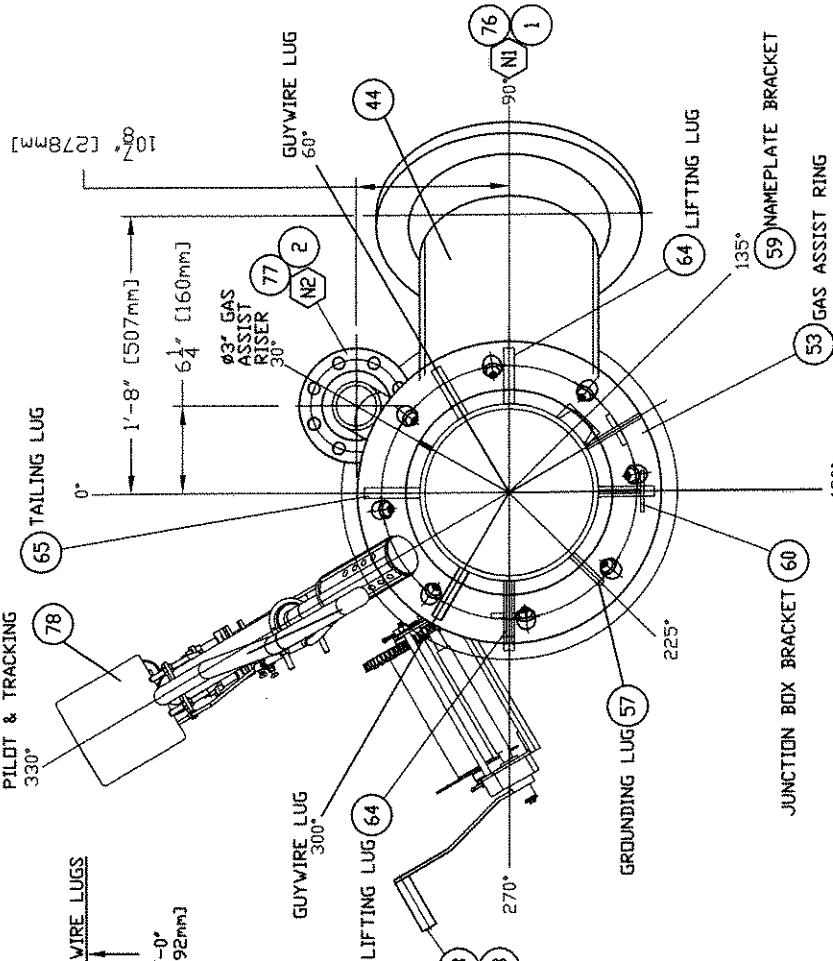


UPPER & LOWER
ANCHOR CONNECTIONS
ONE - 3/4" x 18" J & J TURNBUCKLE
ONE - 3/8" GALV. HEAVY THIMBLE
TWO - 3/8" CROSBY CLIPS
ONE - 3/8" 6 x 26 GALV. IRWC CABLE
(TYPICAL 3 SETS)

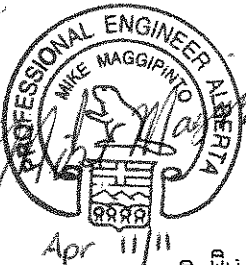


NDT Notes:

% Of Radiography For Butt Welds in Contact w/Waste Gas	10%
Impact Testing:	NDNE
Magnetic Particle Testing Of Stack Inlet, Lifting Lugs, Baseplate, and Gussets.	YES
Ultra Sonic Testing:	NDNE
Dye Penetrant:	NDNE

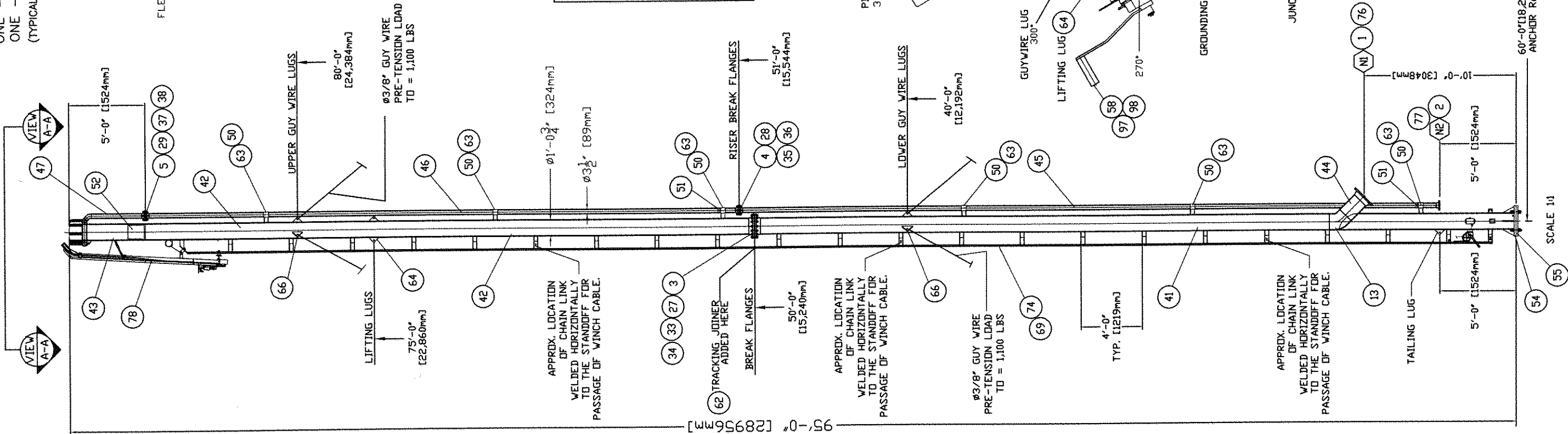


INLET, PILOT &
GUYWIRE ORIENTATION
VIEW 'A - A'
SCALE 6:1



MAX. VERT. LOAD ON ANCHOR = 3,000 LBS. (UNFACTORED)
MAX. HORIZ. LOAD ON ANCHOR = 1,000 LBS. (UNFACTORED)
ANCHORS PROVIDED BY OTHERS. ELEVATION ASSUMED THE SAME AS BASE.

NOTE:
ORIENTATION VIEW DEPICTS TRUE ORIENTATION PLACEMENT OF STACK COMPONENTS.



Rev.	Description	By	Y	M	D
3	AS BUILT	AL	11	03	22
2	REVISED UPPER/LOWER GUYWIRE LUG CONNECTIONS TO FLEMISHED ENDS	DL	11	03	02
1	REVISED DIAMETER OF GAS ASSIST RING	DL	11	02	08
0	ISSUED FOR APPROVAL PURPOSES	DL	11	01	26

Coating & Preparation:
1) STACK EXTERIOR;
SANDBLAST: SSPC-SP6
PRIMER: DEVDE CATHADCAT 302H, 2.5-4.0 MILS DFT
TOPCOAT: CLOVERDALE ARMOURSHIELD
2-3 MILS DFT GLOSS BLACK

General Notes:
1) MTRS PROVIDED ON REQUEST AND RECEIPT OF ORDER.
2) TORNADO STANDARD FOR PLUMBNESS TOLERANCE IS 1 INCH PER 100 FEET OF VERTICAL HEIGHT.
3) BASE PLATE ANCHORS TO BE DOUBLE NUTTED.
4) FOUNDATION TO BE DESIGNED BY A QUALIFIED ENGINEER.

Ignition System:
TORNADO RETRACTABLE FUEL GAS
PILOT MODEL TSI#6 C/W AUTO RELITE
SYSTEM TPWR 24 V.D.C. (45 DEGREE)

Fabrication Tolerances *
Fractional:
#0" to #24" ±1/8"
Greater than #24" ±1/4"
Decimal:
#0" to #24" ±1/8"
Greater than #24" ±1/4"
Angular:
All ±2°
*Unless otherwise stated

Name of Plant:	ANSELL MINEHEAD
Lease:	03-06-49-18-WSM
Approx. Weight:	7,000 LBS.
Max. Horiz. Load At Base:	1,000 LBS.
Max. Vert. Load At Base:	12,500 LBS.
Net Overturning Moment:	20,000 FT.-LBS.
Design Wind Pressure:	0.46 kPa
Design Wind Velocity:	97.6 mph
Gust Factor:	2.8443
Weld Procedure:	#1323.2
APRGGG Permit To Practice:	#P10806
CWB Registration Number:	TDRNGI

Drawing Number:	Husky-11170
Drawn By:	DL
Checked By:	EW
Date Drawn:	17/01/11
Job Number:	11170
Quote Number:	EXSI 1210
Tag Number:	-
Design Code:	NBC 2005
Exposure Factor:	1.3467
Anchor Diameter (Base):	Ø 1 1/4"
Corrosion Allowance:	0.0625"

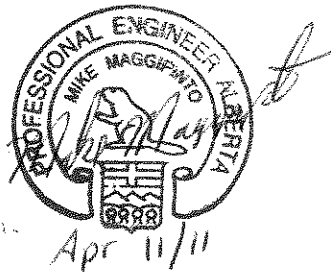
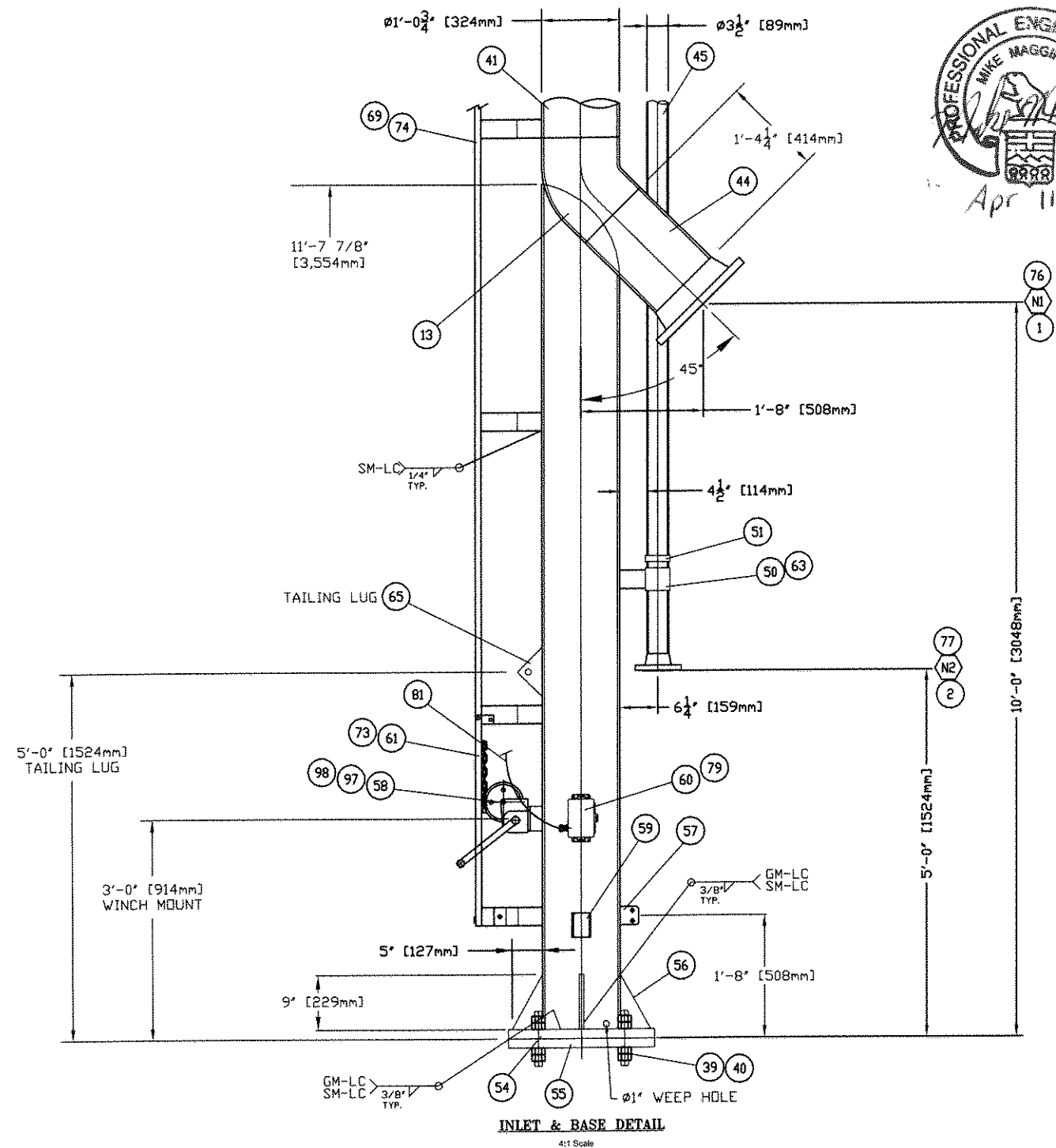
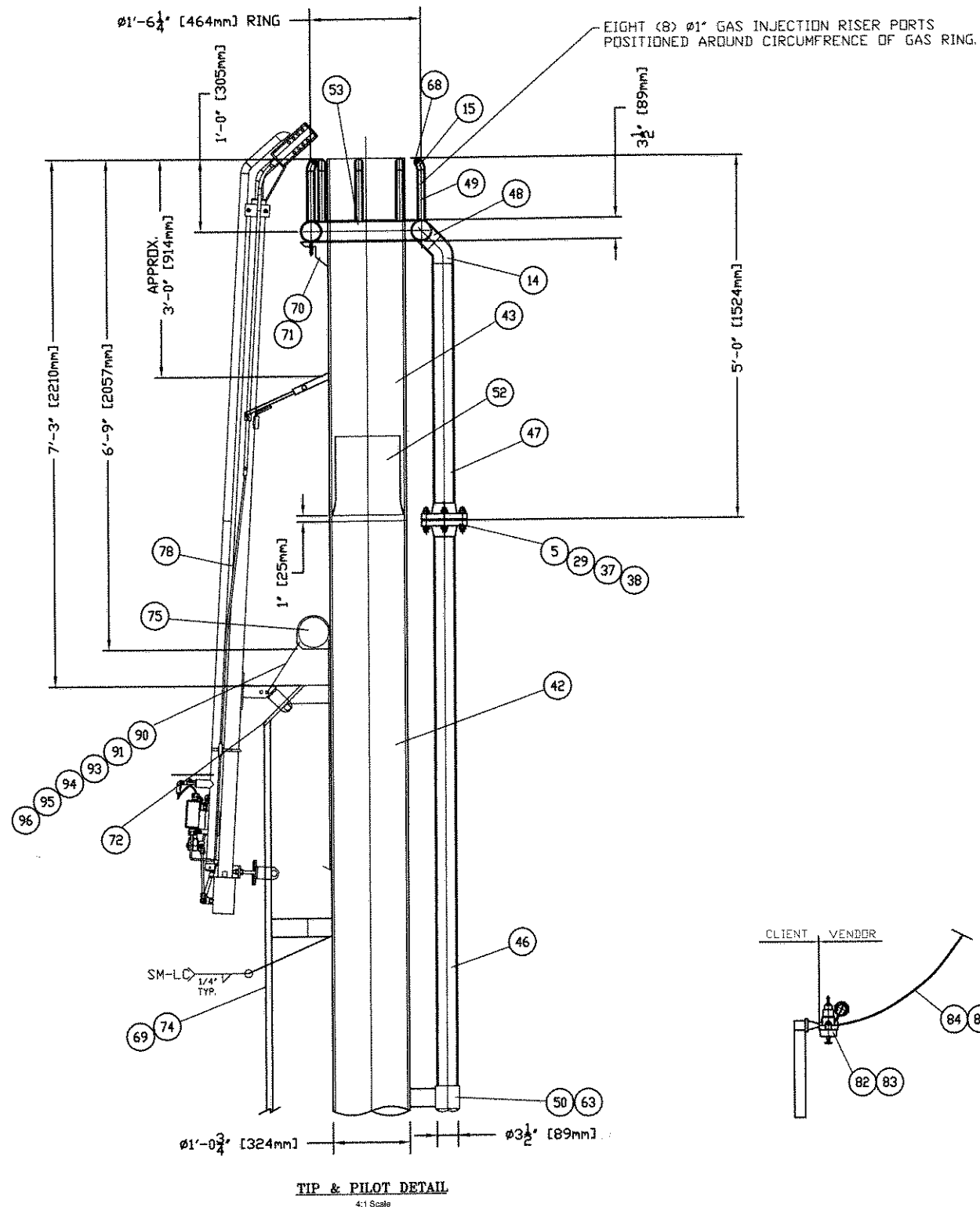
Title:
Ø12' X 95'-0" TALL GUYWIRE
SUPPORTED FLARE STACK
C/W Ø3" GAS ASSIST LINE
Customer:
HUSKY OIL OPERATIONS LTD.
C/O EXCELSIOR ENGINEERING LTD.
P.O.#:
2479.11
Salesperson:
STEVE CAISSIE

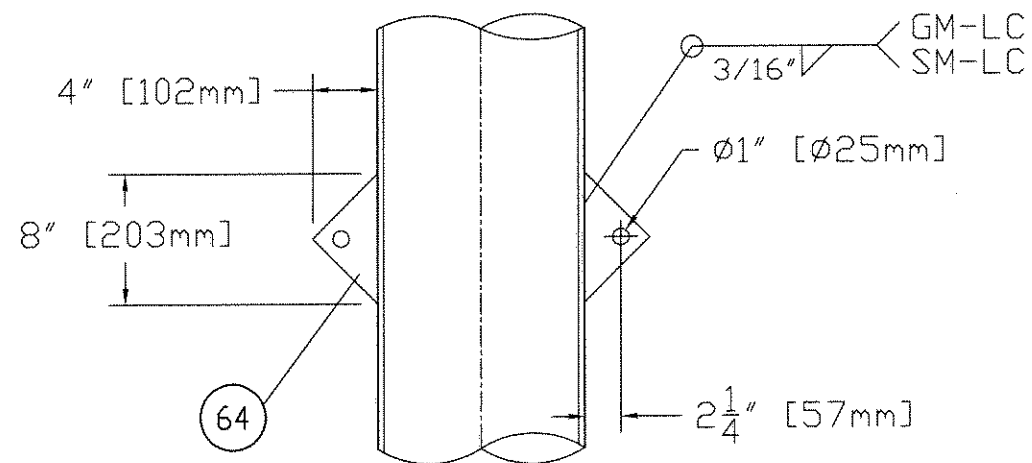
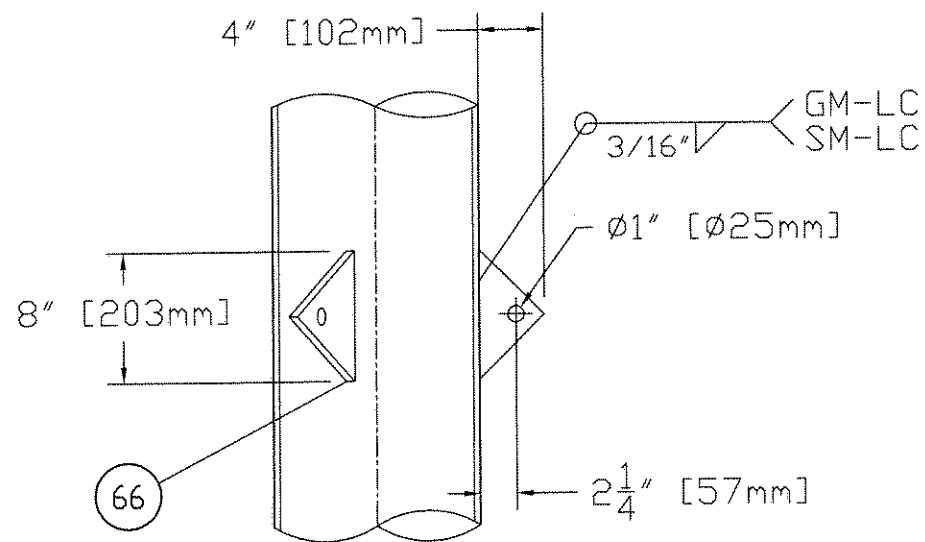
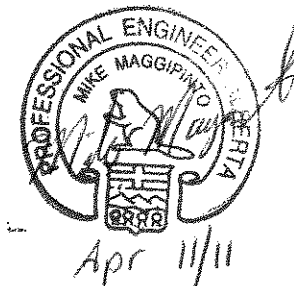
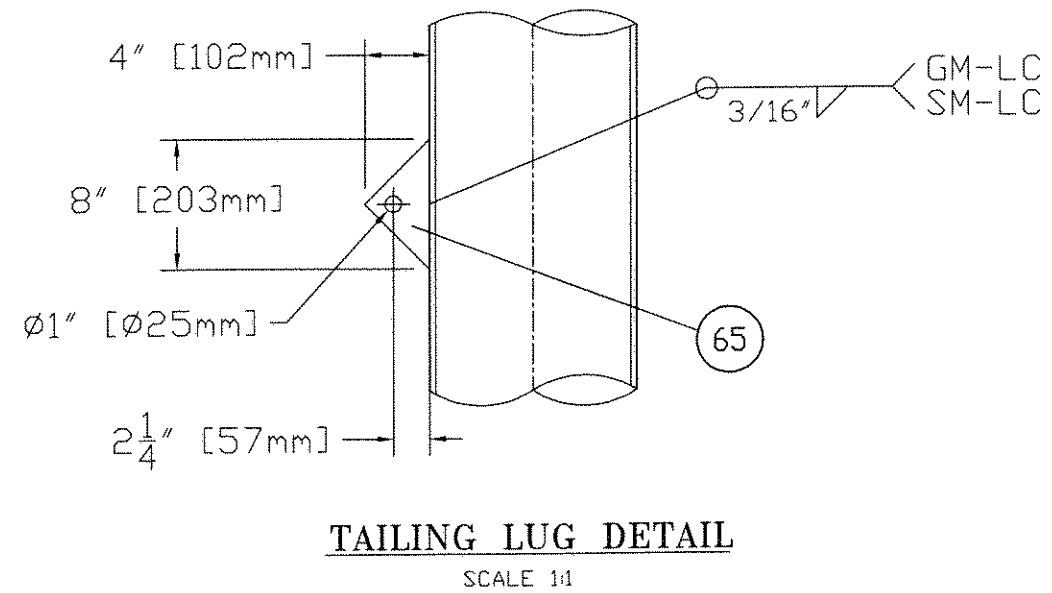
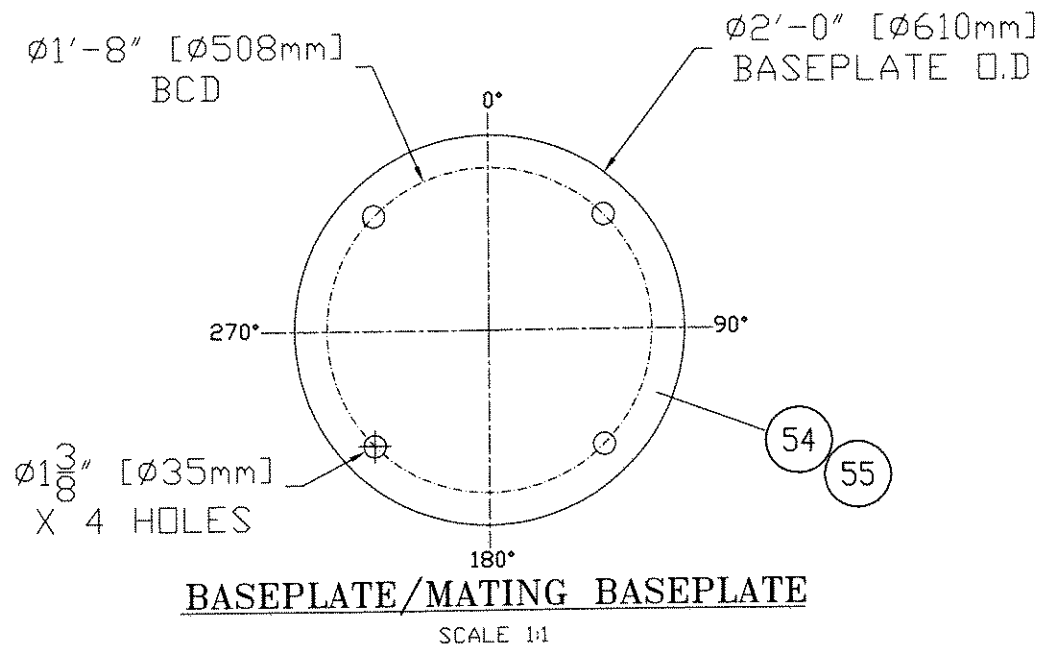
Sheet 1 of 6



TORNADO COMBUSTION
TECHNOLOGIES INC.
1-888-882-3882

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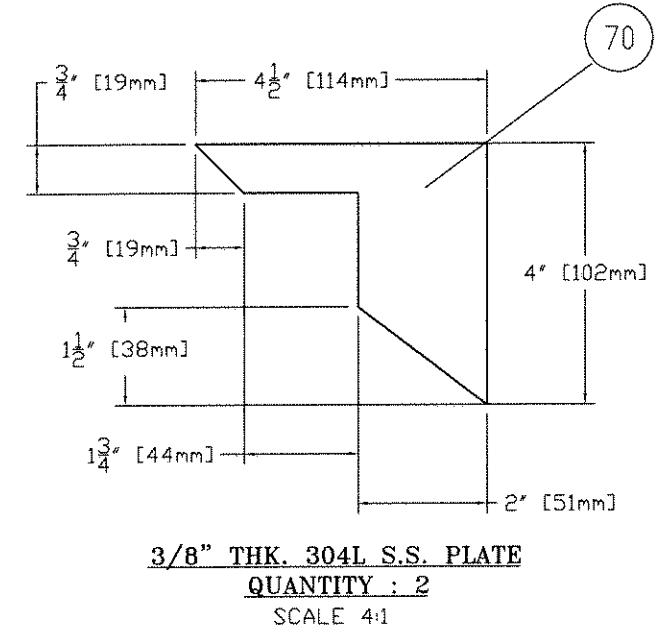
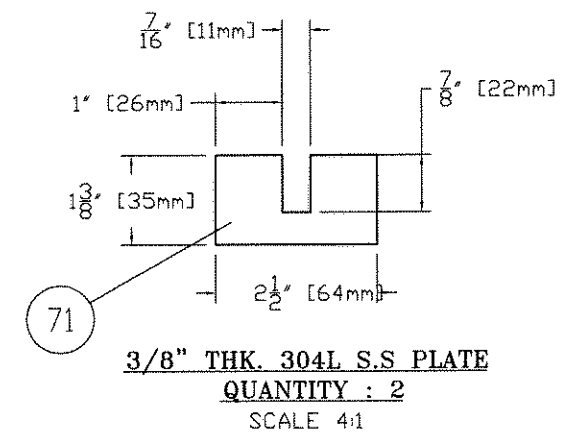
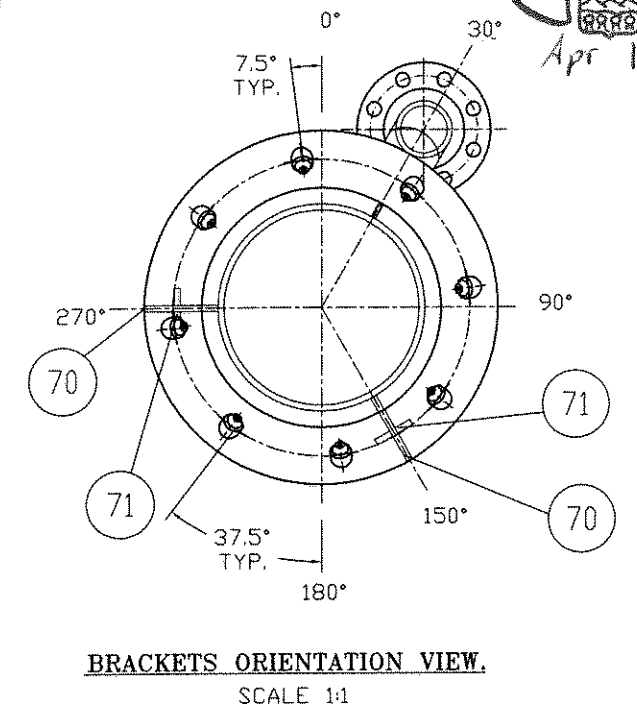


GUYWIRE LUG DETAIL (2 SETS)
SCALE 1:1

LIFTING LUG DETAIL
SCALE 1:1

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30°
Apr 11/11

[illegible]

Bill of Materials

Flanges	No.	Part Number	Qty.	Units	Description	Heat Number
	1	FLG-0160	1	EA	12" DIA., SCH STD, 150#, RFWN, ANSI B16.5 SA 105N (N1 - WASTE GAS INLET CONNECTION)	360A0
	2	ORDER	1	EA	3" DIA., SCH 80, 150#, RFWN, ANSI B16.5 SA 105N (N2 - GAS ASSIST RISER CONNECTION)	09/70225
	3	FLG-0160	2	EA	12" DIA., SCH STD, 150#, RFWN, ANSI B16.5 SA 105N (STACK BREAK FLANGES)	360A0
	4	ORDER	2	EA	3" DIA., SCH 80, 150#, RFWN, ANSI B16.5 SA 105N (GAS ASSIST RISER BREAK FLANGES)	09/70225
	5	ORDER	2	EA	3" DIA., SCH 80, 150#, RFWN, ANSI B16.5 SA 105N (GAS ASSIST RISER TIP BREAK FLANGES)	09/70225
	6					
	7					
	8					
	9					
	10					
	11					
	12					
Weld Fittings	No.	Part Number	Qty.	Units	Description	Heat Number
	13	ORDER	1	EA	12" DIA., SCH STD, 45 DEGREE, SA 234 WPB WELD ELBOW (STACK WELD ELBOW)	10H90008
	14	ORDER	1	EA	3" DIA., SCH 80, 45 DEGREE, 316L S.S. WELD ELBOW (GAS ASSIST RISER WELD ELBOW)	S680208
	15	ORDER	8	EA	1" DIA. SCH 80, 45 DEGREE, 316L S.S. WELD ELBOW (GAS ASSIST BURNER EXTENSION WELD ELBOWS)	BG09418
	16					BG08225
	17					
Couplings	No.	Part Number	Qty.	Units	Description	Heat Number
	19					
	20					
	21					
	22					
	23					
	24					
	25					
Gaskets	No.	Part Number	Qty.	Units	Description	Heat Number
	27	SNG-0201	1	EA	12" DIA. X 1/8" THK, 150#, 316L S.S. FLEXI-CARB GASKET (FLUE BREAK FLANGE GASKET)	
	28	SNG-0021	1	EA	3" DIA. X 1/8" THK, 150#, 316L S.S. FLEXI-CARB GASKET (GAS ASSIST RISER BREAK FLANGE GASKET)	
	29	SNG-0021	1	EA	3" DIA. X 1/8" THK, 150#, 316L S.S. FLEXI-CARB GASKET (GAS ASSIST RISER TIP BREAK FLANGE GASKET)	
	30					
	31					
Studs & Nuts	No.	Part Number	Qty.	Units	Description	Heat Number
	33	SNG-0077	12	EA	7/8" DIA. X 4 3/4" LONG SA193 B7M STUDS (STACK BREAK FLANGE STUDS)	
	34	SNG-0111	24	EA	7/8" DIA. SA194 2HM NUTS (STACK BREAK FLANGE NUTS)	
	35	SNG-0123	4	EA	5/8" DIA. X 3 1/2" LONG SA193 B7M STUDS (GAS ASSIST RISER BREAK FLANGE STUDS)	
	36	SNG-0108	8	EA	5/8" DIA. SA194 2HM NUTS (GAS ASSIST RISER BREAK FLANGE NUTS)	
	37	SNG-0123	4	EA	5/8" DIA. X 3 1/2" LONG SA193 B7M STUDS (GAS ASSIST RISER TIP BREAK FLANGE STUDS)	
	38	SNG-0108	8	EA	5/8" DIA. SA194 2HM NUTS (GAS ASSIST RISER TIP BREAK FLANGE NUTS)	
	39	ORDER	4	EA	1 1/4" DIA. X 9" LONG SA193 B7M STUDS (BASEPLATE/MATING BASEPLATE STUDS)	
	40	ORDER	16	EA	HEAVY 1-1/4" DIA. SA194 2HM NUTS (BASEPLATE/MATING BASEPLATE NUTS)	
Pipe	No.	Part Number	Qty.	Units	Description	Heat Number
	41	PIPE-0080	1	EA	12" DIA., SCH STD, SMLS, SA 106B PIPE X 49'-6" LONG (LOWER STACK PIPE)	373331
	42	PIPE-0080	1	EA	12" DIA., SCH STD, SMLS, SA 106B PIPE X 39' - 7 3/8" LONG (UPPER STACK PIPE)	373331
	43	SSM-0244	1	EA	12" DIA., SCH STD, WELDED, 304L S.S. PIPE X 5'-0" LONG (STACK TIP PIPE)	VLL031889
	44	PIPE-0080	1	EA	12" DIA., SCH STD, SMLS, SA 106B PIPE X 1' - 4 1/4" LONG (N1 - WASTE GAS INLET EXTENSION)	373331
	45	PIPE-0042	1	EA	3" DIA., SCH 80, SMLS, SA 106B PIPE X 45' - 6 1/2" LONG (GAS ASSIST LOWER RISER PIPE)	553908
	46	PIPE-0042	1	EA	3" DIA., SCH 80, SMLS, SA 106B PIPE X 38' - 6 3/8" LONG (GAS ASSIST UPPER RISER PIPE)	553908
	47	ORDER	1	EA	3" DIA., SCH 80, WELDED, 304L S.S. PIPE X 3' - 3 5/8" LONG (GAS ASSIST RISER TIP PIPE)	1Y916-129
	48	ORDER	1	EA	3" DIA., SCH 80, WELDED, 316L S.S. PIPE X 3" LONG (GAS ASSIST RISER TIP PUP)	1Y916-129
	49	SSM-0077	8	EA	1" DIA., SCH 80, WELDED, 316L S.S. PIPE X 8 3/4" LONG (GAS ASSIST BURNER EXTENSIONS)	3H023
	50	FLS-0113	6	EA	4" O.D. SMLS, SCH STD, SA 106B PIPE X 3 3/4" LONG (RISER PIPE COLLARS)	
	51	FLS-0117	2	EA	4" O.D. SMLS, SCH STD, SA 106B PIPE X 1" LONG (RISER PIPELOCK COLLAR)	
	52	SSM-0247	1	EA	12" DIA. X 304L S.S. WELD IN TYPE, FROM 10" DIA. SCH 10 PIPE X 13" TALL (VEL. ARRESTOR)	VLH120245
	53	ORDER	1	EA	3" DIA. SCH 80 316L S.S. PIPE, ROLLED TO 1'-6 1/4" C/L (GAS RING BURNER)	1Y916-129

Plate	No.	Part Number	Qty.	Units	Description	Heat Number
	54	ORDER	1	EA	1 1/2" THK. X 24" DIA. O.D SA 36 CS PLATE , SEE DETAIL (BASEPLATE)	NT9002
	55	ORDER	1	EA	1 1/2" THK. X 24" DIA. O.D SA 36 CS PLATE , SEE DETAIL (MATING BASEPLATE)	NT9002
	56	ORDER	4	EA	3/4" THK. X 5" WIDE X 9" TALL SA 36 CS PLATE, SEE DETAIL (BASEPLATE GUSSETS)	A8E211
	57	LZR-0239	1	EA	3" X 3" X 1/2" THK 304L S.S PLATE (GROUNDING LUG)	
	58	FLS-0181	1	EA	14" LONG X 5 1/4" WIDE X 3/8" THK SA 36 CS PLATE (HIGH VOLUME WINCH MOUNT)	
	59	FLS-0063	1	EA	5" LONG X 3" C-CHANNEL (NAMEPLATE BRACKET)	
	60	FLS-0171	1	EA	8" LONG X 3" WIDE X 2 1/4" TALL X 1/4" THK SA 36 CS PLATE (JUNCTION BOX BRACKET)	
	61	FLS-0053	1	EA	3" X 6" X 3/16" THK SA 36 CS PLATE (GATE LOCK PLATE)	
	62	FLS-0064	1	EA	PILOT TRACKING JOINER, 2 1/2" X 1 5/8" X 5/8" THK SA 36 CS PLATE	
	63	BAR-0011	6	EA	3" WIDE X 1/4" THK SA 36 CS FLATBAR X 4 1/4" LONG (GAS ASSIST RISER STANDOFFS)	
	64	FLS-0147	2	EA	8" X 4" X 3/4" THK SA 36 CS PLATE (LIFTING LUGS)	A8E211
	65	FLS-0147	1	EA	8" X 4" X 3/4" THK SA 36 CS PLATE (TAILING LUG)	A8E211
	66	FLS-0147	6	EA	8" X 4" X 3/4" THK SA 36 CS PLATE (GUYWIRE LUGS)	A8E211
	67					
	68	ORDER	8	EA	1" DIA. 316L S.S ROUND BAR, MACHINED TO 15/16" DIA. X 3/4" LONG , SEE DETAIL (GAS ASSIST ORIFICES)	
	69	BAR-0011	22	EA	3" WIDE X 1/4" THK SA 36 CS FLATBAR X 4 1/4" LONG X 4" LONG(EXTRA TRACKING STANDOFF MATERIAL)	
	70	ORDER	2	EA	3/8" THK. 304L S.S. PLATE, SEE DETAIL (BURNER RING SUPPORT)	8LP5
71	ORDER	2	EA	3/8" THK. 304L S.S. PLATE, SEE DETAIL (BURNER RING SUPPORT TAB)	8LP5	
72	PLT-0035	1	EA	IGNITOR CABLE GUIDE, 1/2" THK X 2" WIDE X 10" LONG, SLOTTED, SA36 CS PLATE (TOP OF TRACKING)		
Misc. Parts	No.	Part Number	Qty.	Units	Description	Heat Number
	73	FLS-0054	1	EA	GATE LOCK ASSEMBLY, COMPLETE TRACK GATE & GATE LOCK	
	74	FLS-0050	4	EA	PILOT TRACKING, COMPLETE ASSEMBLIES X 24" LONG	
	75	FLS-0067	1	EA	PILOT RETRACTING ENCLOSED S.S. PULLEY	
	76	MM-0085	1	EA	12" DIA., 150#, PLASTIC FLANGE COVER(NOT DEPICTED)	
	77	MM-0089	1	EA	3" DIA., 150#, PLASTIC FLANGE COVER(NOT DEPICTED)	
Ship Loose Parts	No.	Part Number	Qty.	Units	Description	
	78	PLT-0155	1	EA	TORNADO RETRACTABLE FUEL GAS PILOT TS#6A W/TPMR (45 DEG. TIP) 24 V.D.C	
	79	ELC-0786	1	EA	6 X4 X4 HOFFMAN NEMA 4 STEEL ELECTRICAL JUNCTION BOX	
	80	ELC-0948	2	EA	STAINLESS STEEL CONTROL BOX BRACKETS(NOT DEPICTED)	
	81	ELC-0939	1	EA	#16-4 SOW ELECTRICAL CABLE X 90'-0" LONG	
	82	REG-0020	1	EA	1/4" DIA. NPT BELLOFRAM T-50 REGULATOR	
	83	IND-0072	1	EA	1/4" DIA. NPT BRASS, MODEL #WJ4642, 0-30 PSI GAUGE	
	84	HYD-0193	1	EA	1/4" DIA. NPT TYPE 3 FLEXIBLE FUEL SUPPLY HOSE X 90'-0" LONG	
	85	ELC-0083	1	EA	NEMA 4X FIBERGLASS W/ SPRING LOAD 3 POSITION SWITCH(24 V CONTROL PANEL)(NOT DEPICTED)	
	86	PLT-0047	10	EA	FUEL HOSE/CABLE GUIDES STAINLESS STEEL(NOT DEPICTED)	
	87	CLA-0114	22	EA	FUEL HOSE/CABLE CLAMPS(NOT DEPICTED)	
	88	HYD-0190	2	EA	1/4" FUEL HOSE ENDS (AEROQUIP #4411-4S)(NOT DEPICTED)	
	89	HYD-0016	2	EA	1/4" NPT FUEL HOSE ADAPTER (AEROQUIP #2021-4-4S)(NOT DEPICTED)	
	90	MM-0107	1	EA	5/16" G2130 GALVANIZED SCREW PIN SAFETY SHACKLE(NOT DEPICTED)	
	91	CLA-0106	2	EA	1/4" G450 GALVANIZED CROSBY CLIPS (FOR 1/4" WINCH CABLE)(NOT SHOWN)	
	92	CLA-0011	2	EA	2" DIA., U-BOLTS WITH NUTS (FOR MOUNTING CONTROL BOX TO POLE)(NOT DEPICTED)	
	93	FLS-0133	1	EA	1/4" DIA. STAINLESS STEEL PILOT RETRACTING PULLEY CABLE X 175'-0" LONG	
	94	MM-0107	1	EA	5/16" G2130 GALVANIZED SCREW PIN SAFETY SHACKLE (PULL DOWN SAFETY SHACKLE)(NOT DEPICTED)	
	95	CLA-0107	1	EA	1/8" GALVANIZED CROSBY CLIPS (PULL DOWN CABLE CLIP)(NOT DEPICTED)	
	96	FLS-0134	1	EA	1/8" DIA. GALVANIZED PILOT PULL DOWN CABLE X 95'-0" LONG(NOT DEPICTED)	
	97	FLS-0179	1	EA	SHELBY HIGH VOLUME MANUAL PILOT RETRACTING WINCH c/w MOD. CLUTCH ASSEMBLY	
	98	CONSUMABLE	4	EA	2" DIA. X 1 1/2" LG. BOLTS, NUTS & LOCKWASHERS (MOUNTING WINCH TO MOUNT PLATE, NOT SHOWN)	
	99	FLS-0136	3	EA	3/8" GALVANIZED 6X26 IRWC CABLE X 105'-0" LONG , FLEMISHED END(UPPER GUYWIRES)	
	100	CLA-0110	6	EA	3/8" G450 GALVANIZED CROSBY CLIPS (UPPER GUYWIRE CLIPS)	
	101	MM-0114	3	EA	3/8" G414 GALVANIZED HEAVY DUTY THIMBLES (UPPER GUYWIRE THIMBLES)	
	102	MM-0267	3	EA	5/8" G2130 GALVANIZED SCREW PIN SAFETY SHACKLES (UPPER GUYWIRE SHACKLES)	
	103	MM-0226	3	EA	3/4" X 18 HG228 JAW & JAW GALVANIZED (UPPER GUYWIRE TURNBUCKLES)	
	104	FLS-0136	3	EA	3/8" GALVANIZED 6X26 IRWC CABLE X 77'-0" LONG , FLEMISHED END (LOWER GUYWIRES)	
	105	CLA-0110	6	EA	3/8" G450 GALVANIZED CROSBY CLIPS (LOWER GUYWIRE CLIPS)	
	106	MM-0114	3	EA	3/8" G414 GALVANIZED HEAVY DUTY THIMBLES (LOWER GUYWIRE THIMBLES)	
	107	MM-0267	3	EA	5/8" G2130 GALVANIZED SCREW PIN SAFETY SHACKLES (LOWER GUYWIRE SHACKLES)	
108	MM-0226	3	EA	3/4" X 18 HG228 JAW & JAW GALVANIZED (LOWER GUYWIRE TURNBUCKLES)		
109						

AS BUILT				AL	11	03	22
ADDED PART NUMBERS TO ITEMS #45 & #46				EW	11	03	04
REVISED ITEMS 99, 100,101,104,105,106				DL	11	03	02
REVISED ITEMS 14 & 48 FROM 304L S.S. TO 316L S.S.				DL	11	02	08
REVISED ITEMS 47,48 & 53				DL	11	02	08
REVISED MATERIAL ITEMS 70 & 71				DL	11	01	26
ISSUED FOR APPROVAL PURPOSES				DL	11	01	18
Rev.	Description			By	Y	M	D

Coating & Preparation:

1) STACK EXTERIOR;
SANDBLAST: SSPC-SP6
PRIMER: DEVCO CATHACDAT 302H, 2.5-4.0 mils DFT
TOPCOAT: CLOVERDALE ARMOURSHIELD
2-3 mils DFT GLOSS BLACK

General Notes:

1) MTRS PROVIDED ON REQUEST AND RECEIPT OF ORDER.
2) TORNADO STANDARD FOR PLUMBNESS TOLERANCE IS 1/8" PER 100 FEET OF VERTICAL HEIGHT.
3) BASE PLATE ANCHORS TO BE DOUBLE NUTTED.
4) FOUNDATION TO BE DESIGNED BY A QUALIFIED ENGINEER.

Ignition System:

TORNADO RETRACTABLE FUEL GAS
PILOT MODEL TS#6 C/W AUTO RELITE
SYSTEM TPMR 24 V.D.C. (45 DEGREE)

Fabrication Tolerances *

Fractional:
#0" to #24" ±1/8"
Greater than #24" ±1/4"

Decimal:
#0" to #24" ±1/8"
Greater than #24" ±1/4"

Angular:
All ±2°

*Unless otherwise stated

Name of Plant:

ANSELL MINEHEAD

Lease:

03-06-49-18-VSM

Approx. Weight:

7,000 LBS.

Max. Horiz. Load At Base:

1,000 LBS.

Max. Vert. Load At Base:

12,500 LBS.

Net Overturning Moment:

20,000 FT.-LBS.

Design Wind Pressure:

0.46 kPa

Design Wind Velocity:

97.6 mph

Gust Factor:

2.8443

Weld Procedure:

#1323.2

APEGGA Permit To Practice:

#P10806

CWB Registration Number:

TDRNG1

Drawing Number:

Husky-11170

Drawn By:

DL

Checked By:

EW

Date Drawn:

17/01/11

Job Number:

11170

Quote Number:

EXSI 1210

Tag Number:

-

Design Code:

NBC 2005

Exposure Factor:

1.3467

Anchor Diameter (Base):

Ø 1 1/4"

Corrosion Allowance:

0.0625"

Title:

Ø12" X 95'-0" TALL GUYWIRE
SUPPORTED FLARE STACK
c/w Ø3" GAS ASSIST LINE

Customer:

HUSKY OIL OPERATIONS LTD.
C/O EXCELSIOR ENGINEERING LTD.

P.O.#:

2479.11

Salesperson:

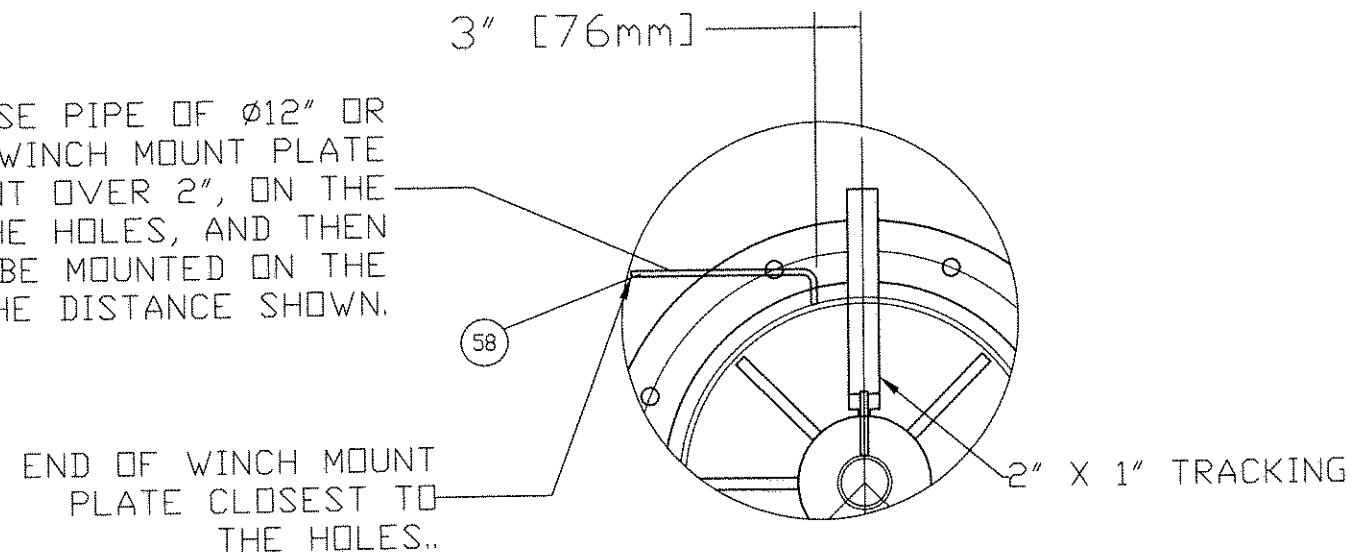
STEVE CAISSIE

Sheet 5 of 6

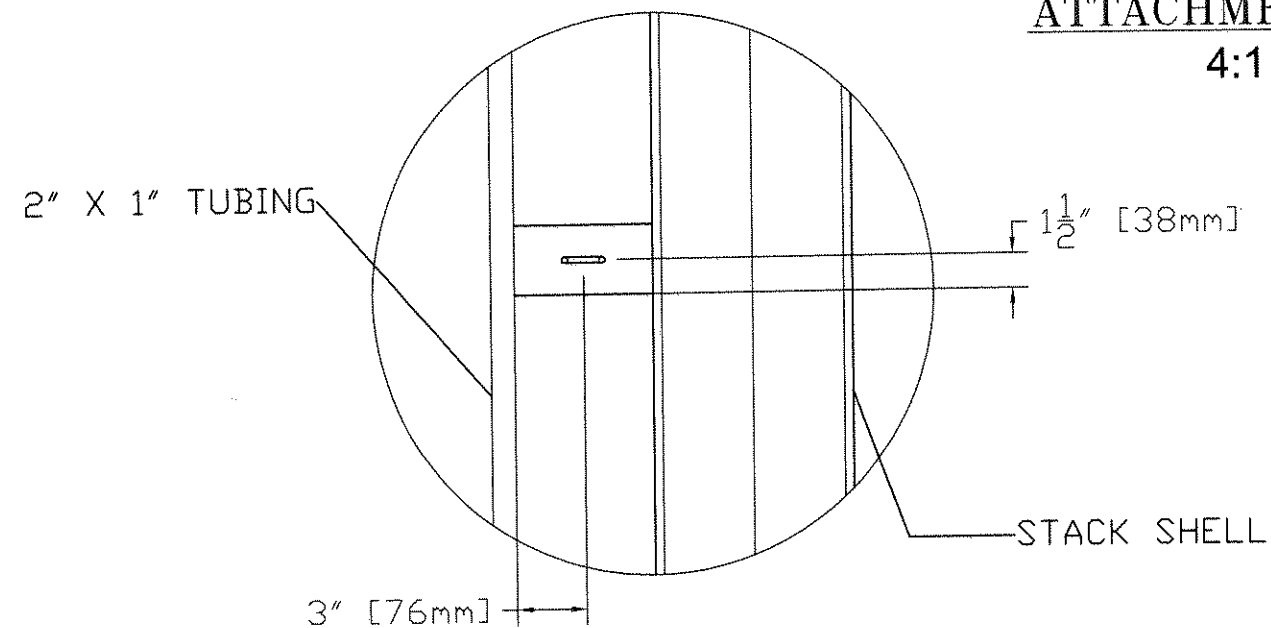


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COMBUSTION
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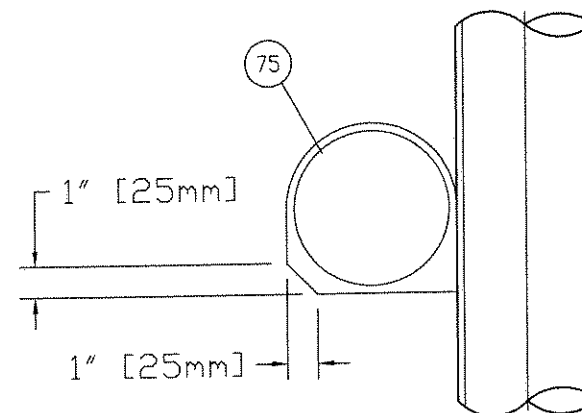
ON FLARE BASE PIPE OF Ø12" OR LARGER, THE WINCH MOUNT PLATE WILL BE BENT OVER 2", ON THE END WITHOUT THE HOLES, AND THEN THAT END WILL BE MOUNTED ON THE STACK THE DISTANCE SHOWN.



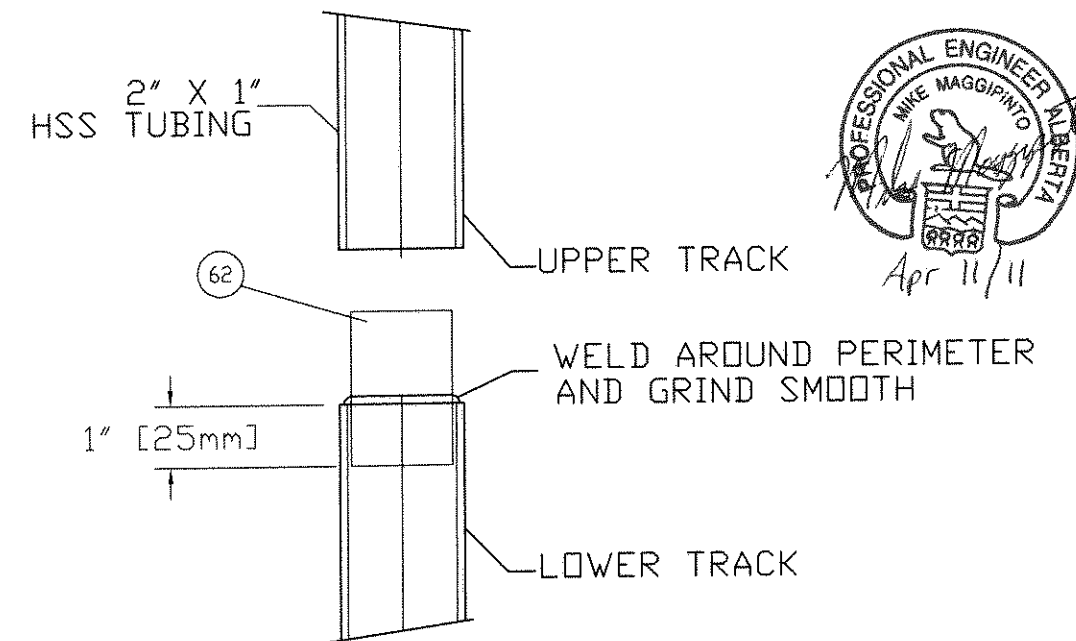
**BENT WINCH MOUNT PLATE
ATTACHMENT DETAIL.**
4:1 Scale



**POSITION OF CHAIN LINK
FOR PASSAGE OF WINCH CABLE**
6:1 Scale



**PULLEY CUT BACK
DETAIL**
8:1 Scale



**TRACKING JOINER CONNECTION DETAIL
(FOR BOLTED FLANGE CONNECTIONS)**
16:1 Scale

THE PULLEY
HOUSING WILL BE
CUT BACK FROM THE
EDGES AS SHOWN.

NOTE:
TRACKING STANDOFFS CANNOT BE POSITIONED WHERE THEY WILL CROSS ANOTHER EXISTING WELD. THE TRACKING STANDOFF SHOULD BE POSITIONED SO THAT THERE IS A MINIMUM OF 2" BETWEEN ITSELF AND ANY OTHER WELD.

				Coating & Preparation: 1.) STACK EXTERIOR: SANDBLAST: SSPC-SP6 PRIMER: DEVCO CATHACD 302H, 2.5-4.0 MILS DFT TOPCOAT: CLOVERDALE ARMOURSHIELD 2-3 MILS DFT GLOSS BLACK		Ignition System: TORNADO RETRACTABLE FUEL GAS PILOT MODEL TSH6 c/w AUTO RELITE SYSTEM TPR 24 V.D.C. (45 DEGREE)		Name of Plant: ANSELL MINEHEAD Lease: 03-06-49-18-W5M Approx. Weight: 7,000 LBS. Max. Horiz. Load At Base: 1,000 LBS. Max. Vert. Load At Base: 12,500 LBS. Net Overturning Moment: 20,000 FT.-LBS. Design Wind Pressure: 0.46 kPa Design Wind Velocity: 97.6 mph Gust Factor: 2.8443 Weld Procedure: #1323.2 APEGGA Permit To Practice: #P10806 CWB Registration Number: TORNG1		Drawing Number: Husky-11170 Drawn By: DL Checked By: EW Date Drawn: 17/01/11 Job Number: 11170 Quote Number: EXSI 1210 Tag Number: - Design Code: NBC 2005 Exposure Factor: 1.3467 Anchor Diameter (Base): Ø 1 1/4" Corrosion Allowance: 0.0625"		Title: Ø12" X 95'-0" TALL GUYWIRE SUPPORTED FLARE STACK c/w Ø3" GAS ASSIST LINE Customer: HUSKY OIL OPERATIONS LTD. C/O EXCELSIOR ENGINEERING LTD. P.O.#: 2479.11 Salesperson: STEVE CAISSIE		Sheet <u>6</u> of <u>6</u>  TORNADO COMBUSTION TECHNOLOGIES INC. 1-888-882-3882 Any Technical Data and the Designs Disclosed Herein are the Exclusive Property of Tornado Technologies Inc. and/or Contained the Proprietary Rights of Others and are not to be used or Disclosed to Others without the Written Consent of Tornado Technologies Inc.	
				General Notes: 1.) MTRS PROVIDED ON REQUEST AND RECEIPT OF ORDER. 2.) TORNADO STANDARD FOR PLUMBNESS TOLERANCE IS 1 INCH PER 100 FEET OF VERTICAL HEIGHT. 3.) BASE PLATE ANCHORS TO BE DOUBLE NUTTED. 4.) FOUNDATION TO BE DESIGNED BY A QUALIFIED ENGINEER.		Fabrication Tolerances: Fractional: Ø0" to Ø24" ±1/8" Greater than Ø24" ±1/4" Decimal: Ø0" to Ø24" ±1/8" Greater than Ø24" ±1/4" Angular: All ±2" *Unless otherwise stated									
0	ISSUED FOR APPROVAL PURPOSES			DL	11	01	26								
Rev.	Description			By	Y	M	D								