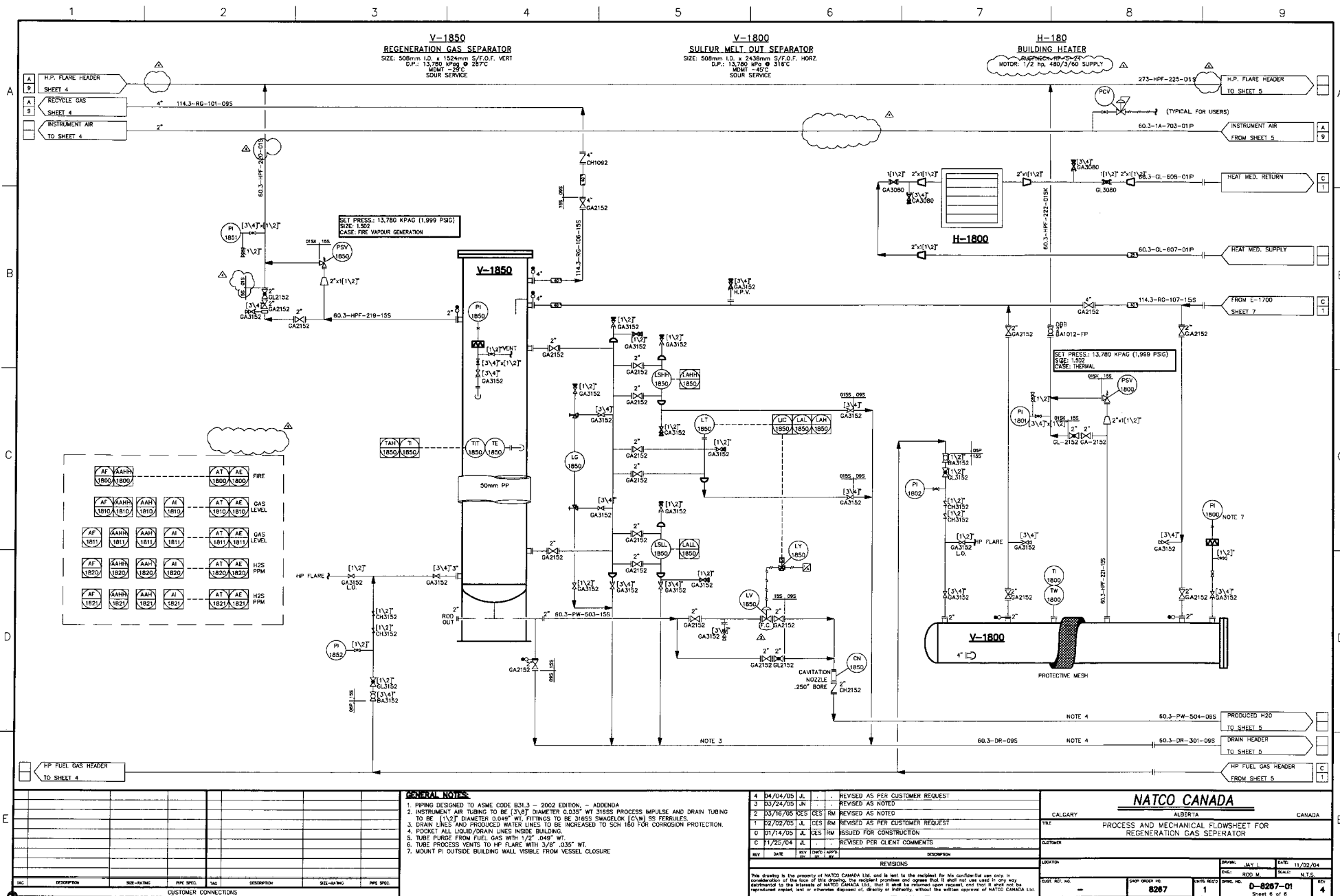


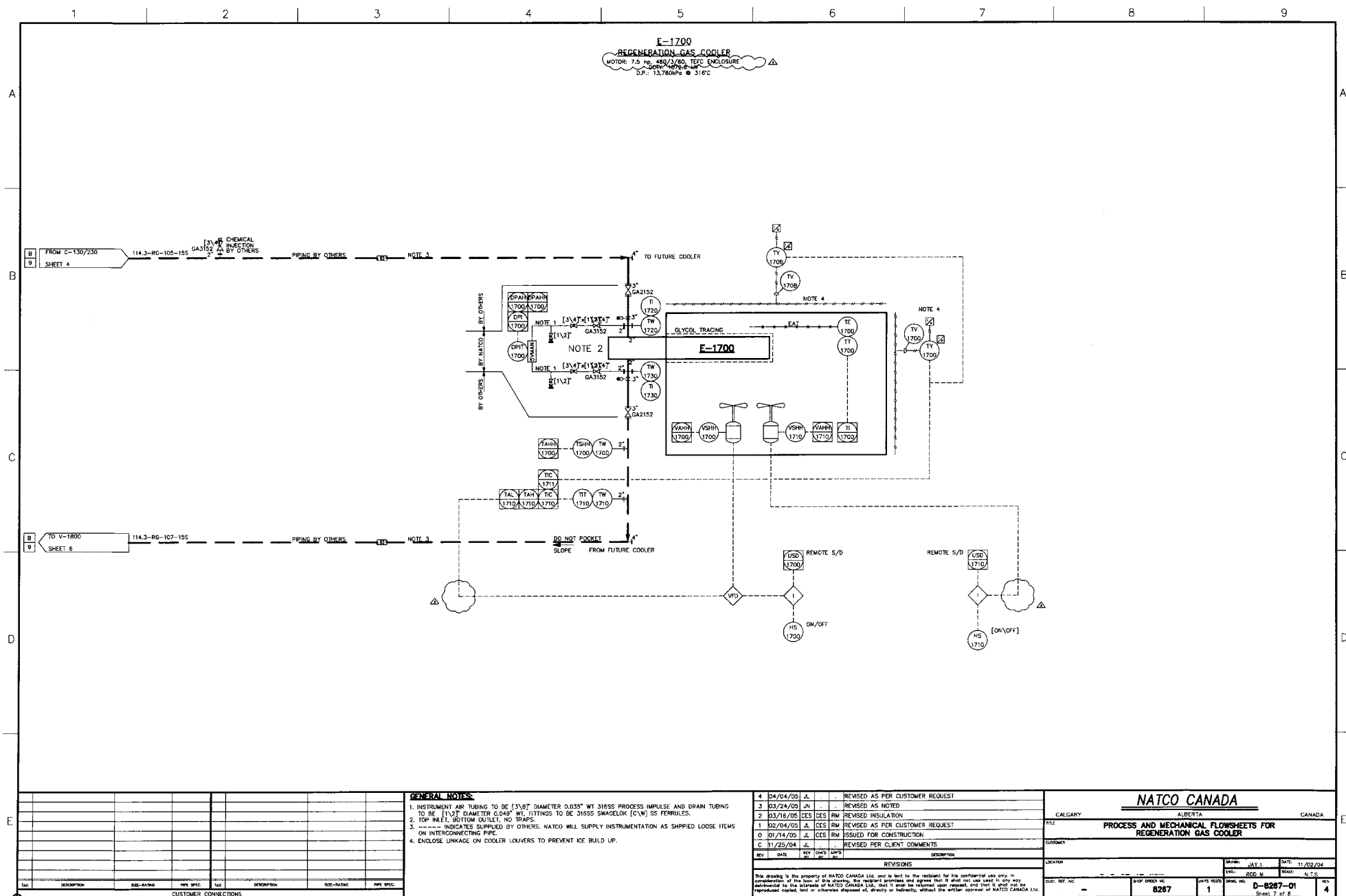
**GENERAL NOTES:**

1. PIPING DESIGNED TO ASME CODE B31.3 - 2002 EDITION, - ADDENDA
2. INSTRUMENT AIR TUBING TO BE [3/8"] DIAMETER 0.035" WT. 316SS PROCESS IMPULSE AND DRAIN TUBING TO BE [1/2"] DIAMETER 0.045" WT. FITTINGS TO BE 316SS SWAGelok [C/W] SS FERRULES.
- 3.
4. LIQUID LINES TO BE TRAPPED INSIDE BUILDING.
5. TUBE PURGE FROM FUEL GAS WITH 1/2" .045" WT.
6. TUBE PROCESS KENTS TO HP FLARE WITH 3/8" .035" WT.
7. MOUNT PI OUTSIDE BUILDING WALL VISIBLE FROM VESSEL CLOSURE

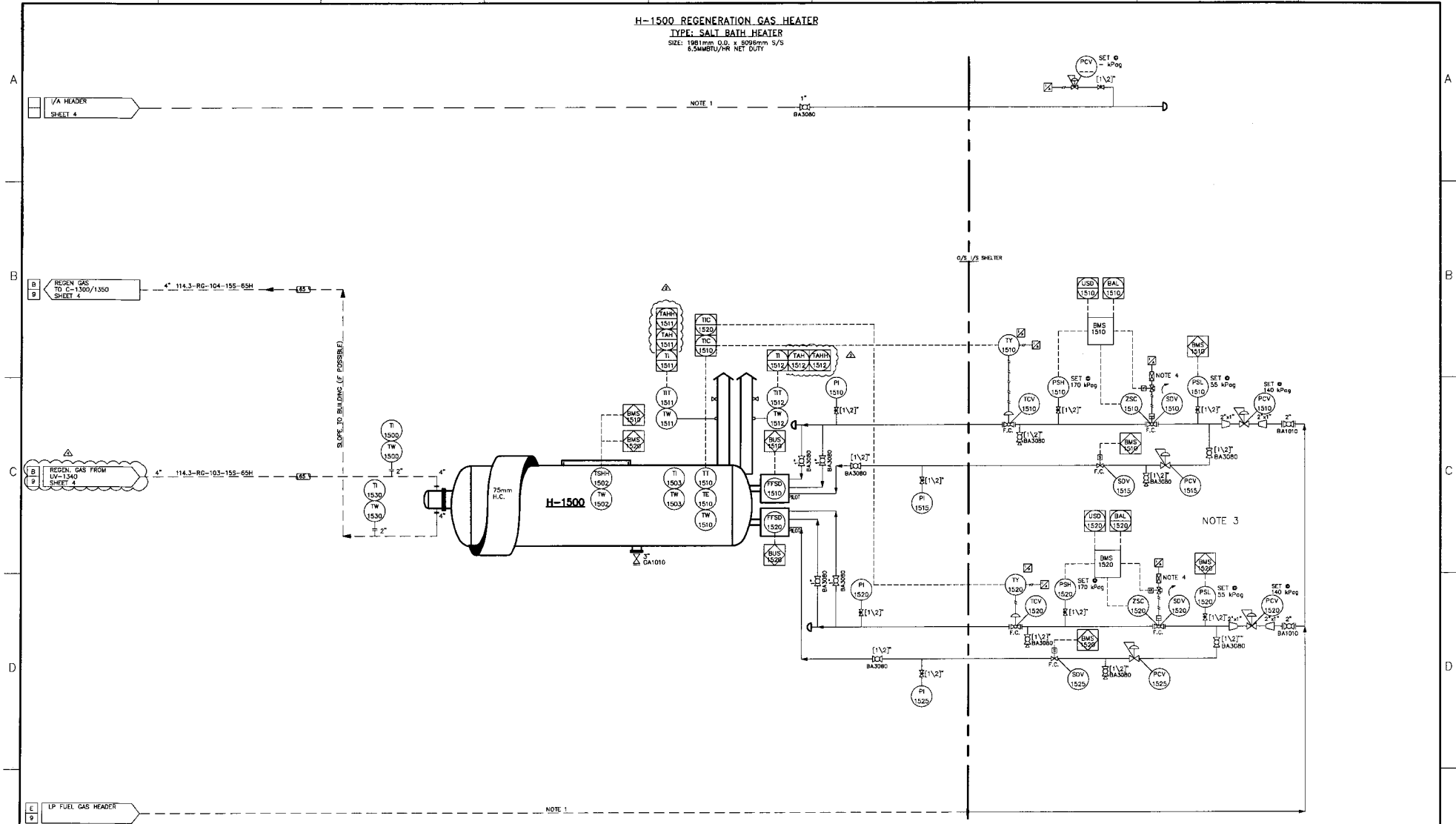
4	04/04/05	JH		REVISED AS PER CUSTOMER REQUEST
3	03/24/05	JH		REVISED AS NOTED
2	03/16/05	CEC	CEM	REVISED AS NOTED
1	02/02/05	JH	CEM	REVISED AS PER CUSTOMER REQUEST
0	01/14/05	JH	CEM	REVISED FOR CONSTRUCTION
0	01/25/04	JH		REVISED PER CLIENT COMMENTS
REV	DATE	REV	CHKD	DESCRIPTION
REVISIONS				
<p>This drawing is the property of NATCO CANADA Ltd. and is loaned to the recipient for his confidential use only. In consideration of the loan of this drawing, the recipient promises and agrees that it shall not be used in any way, nor shall it be reproduced, copied, or otherwise disclosed, directly or indirectly, without the written approval of NATCO CANADA Ltd.</p>				

<b>NATCO CANADA</b>	
CALGARY	ALBERTA
CANADA	
PROCESS AND MECHANICAL FLOWSHEETS FOR DRY GAS FILTERS	
CUSTOMER	
LOCATION	
DATE	11/02/04
REV	1
8287	D-8287-01
Sheet 3 of 8	4





H-1500 REGENERATION GAS HEATER  
TYPE: SALT BATH HEATER  
SIZE: 1981mm O.D. x 5096mm S/S  
5.5MMSTU/HR NET DUTY

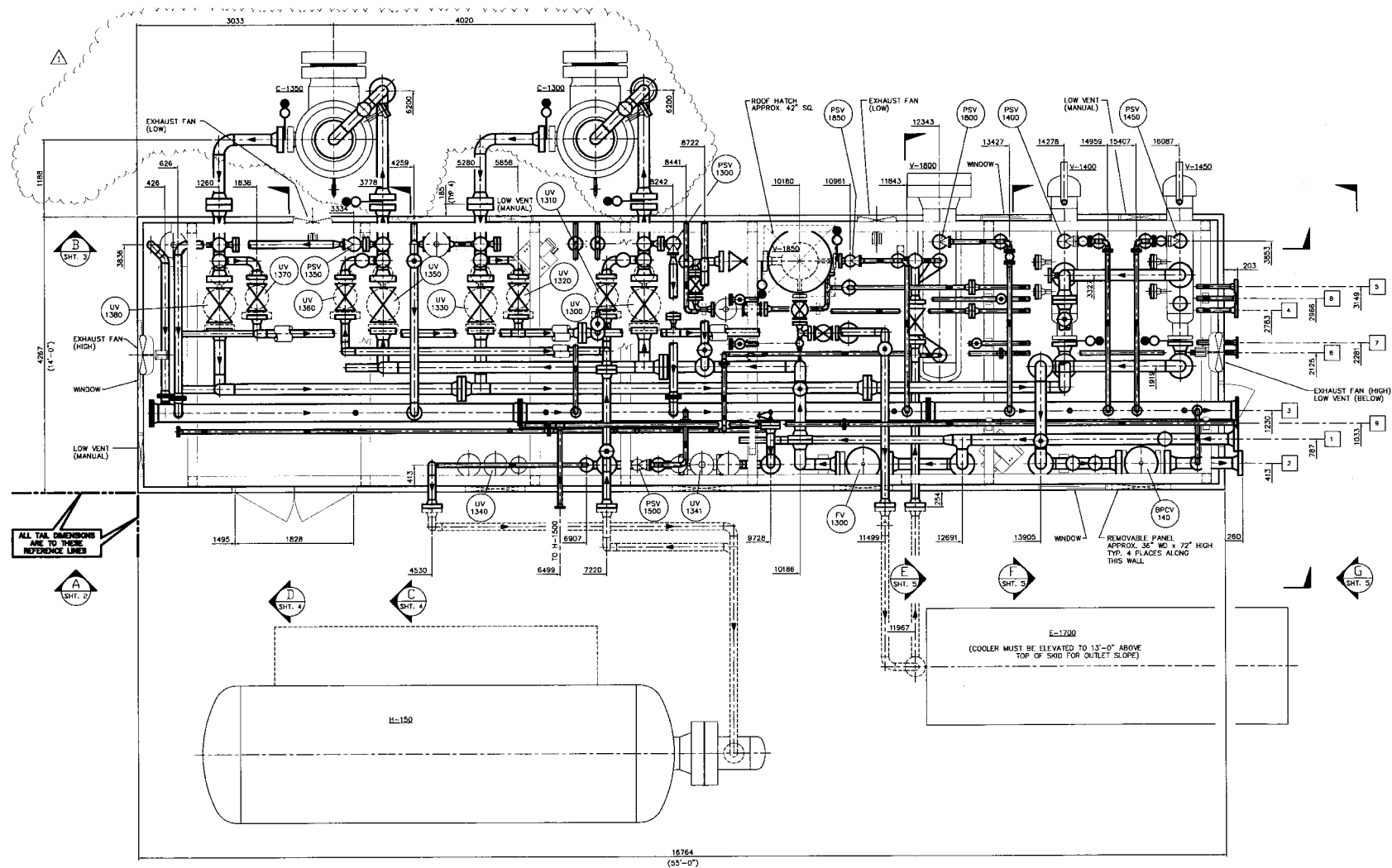


- GENERAL NOTES:**
- INDICATES SUPPLIED BY OTHERS. NATCO WILL SUPPLY INSTRUMENTATION AS SHIPPED LOOSE ITEMS ON INTERCONNECTING PIPE.
  - INSTRUMENT AIR TUBING TO BE [3/8"] DIAMETER 0.035" WT 316SS PROCESS IMPULSE AND DRAIN TUBING TO BE [1/2"] DIAMETER 0.040" WT. FITTINGS TO BE 316SS SWAGelok [C/W] SS FERRULES.
  - CSA W195.3 COMPLIANT FUEL GAS SYSTEM.
  - SPEED CONTROL DEVICE.

REV	DATE	BY	CHKD	APPD	DESCRIPTION
1	04/04/05	JL			REVISED AS PER CUSTOMER REQUEST
2	03/24/05	JN			REVISED SET PRESSURE TO KPAQ; AS NOTED
3	03/16/05	GES			REVISED NO CHANGES, ISSUED WITH COMPLETE SET OF P&ID'S
4	02/02/05	JL			REVISED AS PER CUSTOMER REQUEST
5	01/14/05	JL			REVISED FOR CONSTRUCTION
6	11/25/04	JL			REVISED PER CLIENT COMMENTS

<b>NATCO CANADA</b> CALGARY ALBERTA CANADA		DRAWN: JAY L. DATE: 11/02/04 CHECKED: BOB M. SCALE: N.T.S.	
		LOCATION: _____ SHEET NO.: 1 OF 4 PROJECT NO.: 8267 CUSTOMER: D-8267-01 SHEET 8 OF 8	

NO.	DESCRIPTION	SIZE-RATING	PIPE SPEC.	NO.	DESCRIPTION	SIZE-RATING	PIPE SPEC.
1				1			
2				2			
3				3			
4				4			
5				5			
6				6			
7				7			
8				8			
9				9			



PLAN VIEW

9	FUEL GAS HEADER	2"-150# RF			
8	GLYCOL RETURN HEADER	2"-300# RF			
7	GLYCOL SUPPLY HEADER	2"-300# RF			
6	INSTRUMENT AIR HEADER	2"-150# RF			
5	DRAIN HEADER	2"-800# RF			
4	TO TRUCK STATION	2"-900# RF			
3	FLARE HEADER	10"-150# RF			
2	GAS OUTLET	6"-900# RF			
1	GAS INLET	6"-900# RF			
TAG	DESCRIPTION	SIZE-RATING	TAG	DESCRIPTION	SIZE-RATING
CUSTOMER CONNECTIONS					

**GENERAL NOTES:**  
 1. PIPING DESIGNED TO ASME CODE B31.3 2002 EDITION, - ADDENDA.  
 2. UNLESS OTHERWISE INDICATED, SHOP SHALL LOCATE ALL CUSTOMER CONNECTIONS NOT SHOWN ON DRAWING.  
 3. ALL SKID EDDIE DIMENSIONS SHALL HAVE A TOLERANCE OF  $\pm 1/16"$  OF THE INDICATED DIMENSIONS.  
 4. WELD GAP = 2 mm. SHOP TO ADJUST AS REQUIRED.

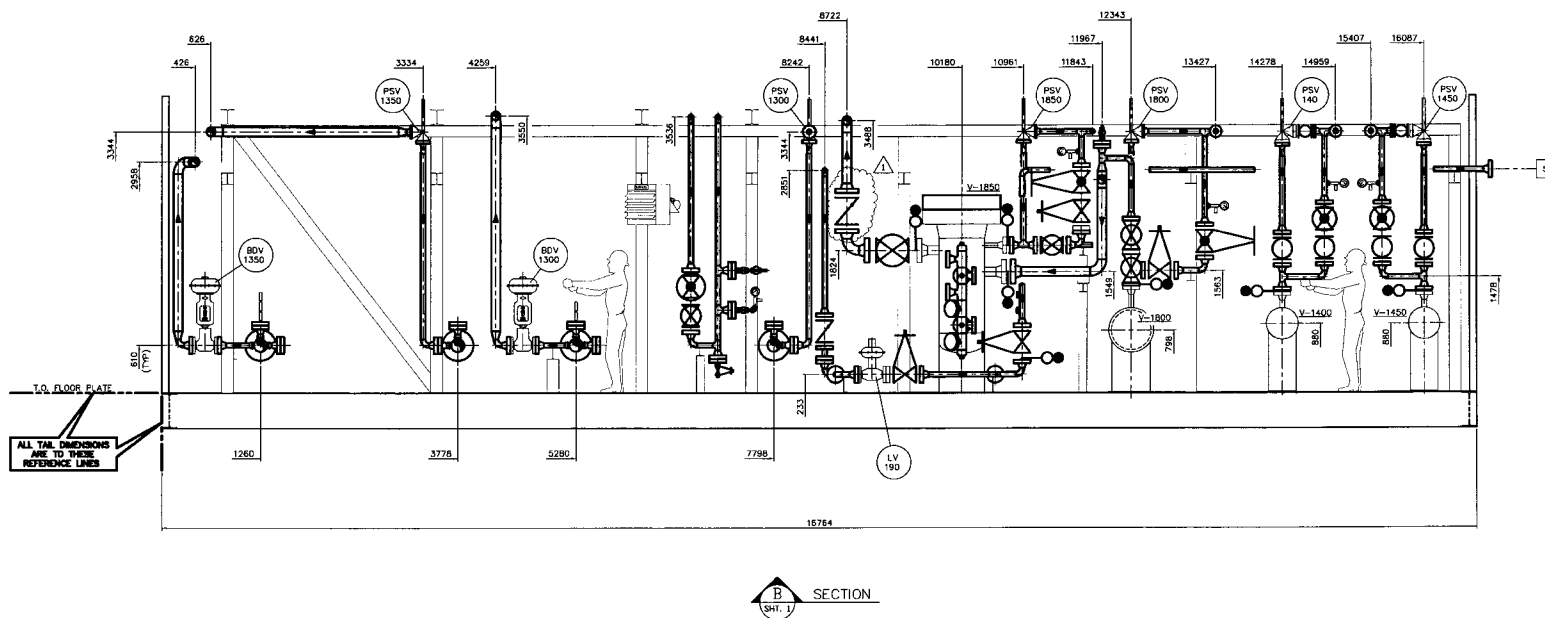
TOTAL PACKAGE WEIGHT (LBS/Kg):		X LBS.	X Kg
TOTAL SHIPPING WEIGHT (LBS/Kg):		X LBS.	X Kg
OVERALL			
SHIPPING			
DESCRIPTION		LENGTH (FT./MM)	WIDTH (FT./MM)
		HEIGHT (FT./MM)	
OVERALL PACKAGE DIMENSIONS/WEIGHTS			

1	05/05/05	CES	-	REVISED TOWER LOCATIONS & ADDED SPEC BLINDS
0	01/10/05	CES	RM	ISSUED FOR CONSTRUCTION
A	11/15/04	CES	RM	ISSUED FOR APPROVAL
REV	DATE	REV	BY	DESCRIPTION
REVISIONS				
This drawing is the property of NATCO CANADA and is lent to the recipient for his confidential use only. In consideration of the loan of this drawing, the recipient promises and agrees that it shall not be used in any way detrimental to the interests of NATCO CANADA, that it shall be returned upon request, and that it shall not be reproduced, copied, lent or otherwise disclosed, directly or indirectly, without the written approval of NATCO CANADA.				

<b>NATCO CANADA</b>		CALGARY	ALBERTA	CANADA
FILE				
PIPING & EQUIPMENT GENERAL ARRANGEMENT				
MOLE SIEVE				
CUSTOMER				
LOCATION				
CUSTOMER NO.				
8267				
DATE REV. NO.				
1				
D-8267-02A				
SHT. 1 OF 5				







**B**  
SECTION  
SHT. 1

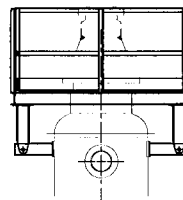
9	FUEL GAS HEADER	2"-150# RF			
8	GLYCOL RETURN HEADER	2"-300# RF			
7	GLYCOL SUPPLY HEADER	2"-300# RF			
6	INSTRUMENT AIR HEADER	2"-150# RF			
5	DRAIN HEADER	2"-900# RF			
4	TO TRUCK STATION	2"-900# RF			
3	FLARE HEADER	10"-150# RF			
2	GAS OUTLET	6"-900# RF			
1	GAS INLET	6"-900# RF			
TAG	DESCRIPTION	SIZE-RATING	TAG	DESCRIPTION	SIZE-RATING
CUSTOMER CONNECTIONS					

- GENERAL NOTES:**
1. PIPING DESIGNED TO ASME CODE B31.3 2002 EDITION, - ADDENDA.
  2. UNLESS OTHERWISE INDICATED, SHOP SHALL LOCATE ALL CUSTOMER CONNECTIONS NOT SHOWN ON DRAWING.
  3. ALL SHD EDGE DIMENSIONS SHALL HAVE A TOLERANCE OF  $\pm$  (1/16)" OF THE INDICATED DIMENSIONS.
  4. WELD GAP = 2 mm. SHOP TO ADJUST AS REQUIRED.
  - 5.

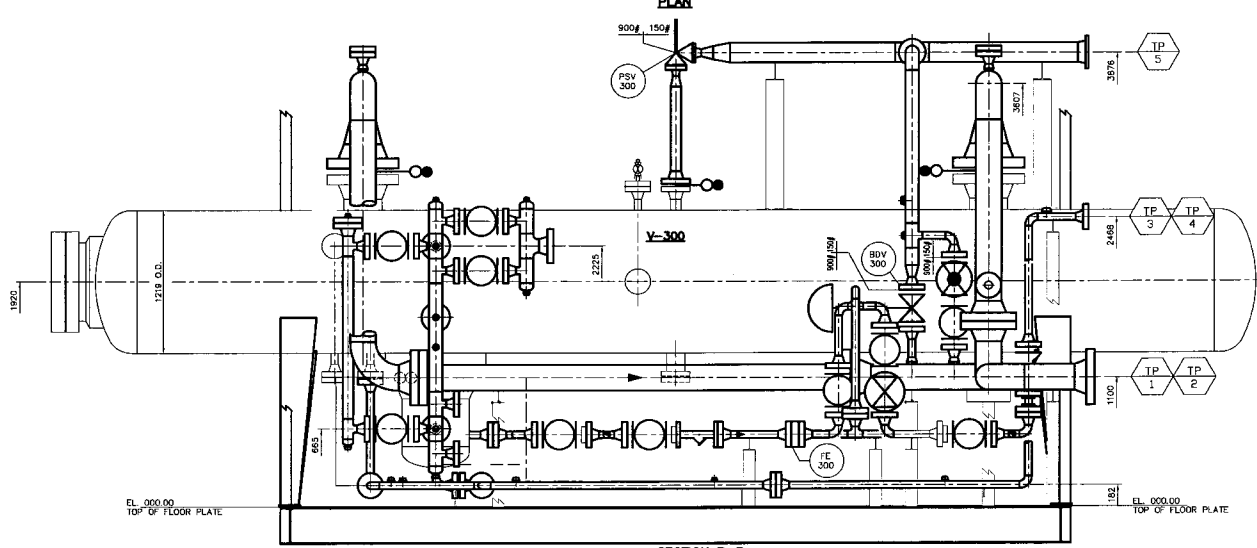
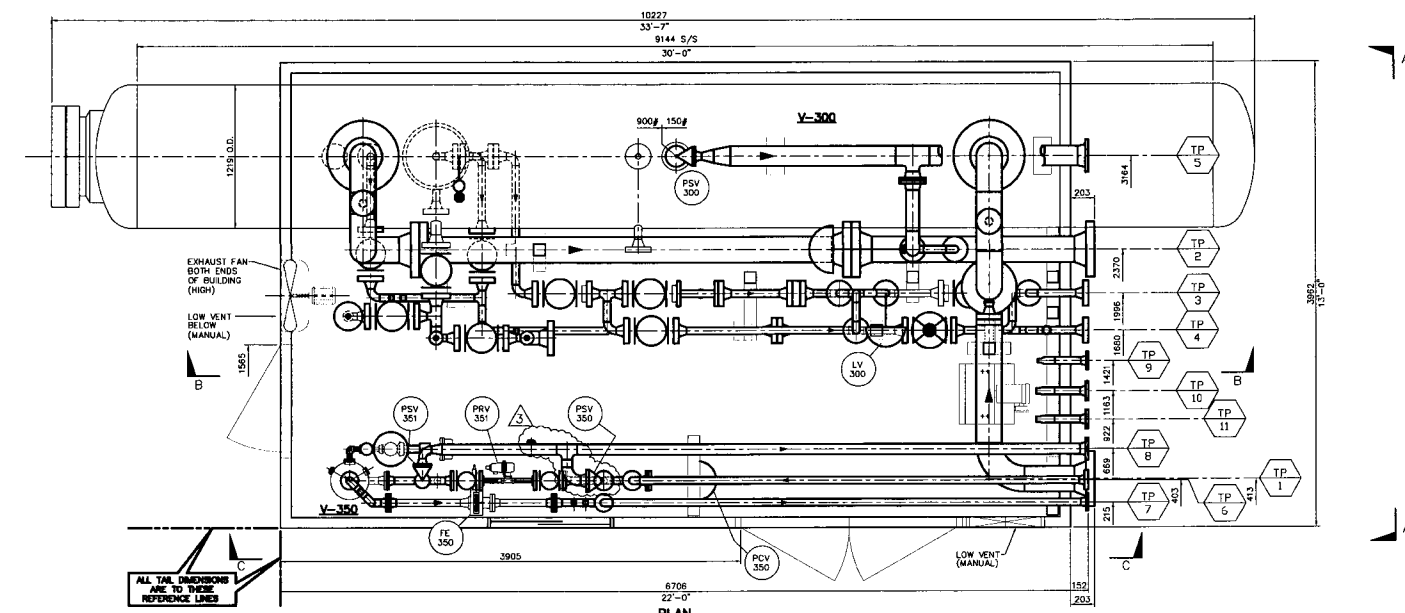
TOTAL PACKAGE WEIGHT (LBS/Kg):		X LBS. X Kg
TOTAL SHIPPING WEIGHT (LBS/Kg):		X LBS. X Kg
OVERALL		
SHIPPING		
DESCRIPTION	LENGTH (FT-IN/MM)	WEIGHT (LBS-KG/MM)
OVERALL PACKAGE DIMENSIONS/WEIGHTS		

Q	01/10/05	CES	-	-	ISSUED FOR CONSTRUCTION
A	11/15/04	CES	CES	RM	ISSUED FOR APPROVAL
REV	DATE	BY	CHKD	APP'D	DESCRIPTION
REVISIONS					
This drawing is the property of NATCO CANADA and is lent to the recipient for his confidential use only. In consideration of the loan of this drawing, the recipient promises and agrees that it shall not be used in any way detrimental to the interests of NATCO CANADA, that it shall be returned upon request, and that it shall not be reproduced, copied, lent or otherwise disposed of, directly or indirectly, without the written approval of NATCO CANADA.					

<b>NATCO CANADA</b>		
CALGARY	ALBERTA	CANADA
TITLE <b>PIPING &amp; EQUIPMENT GENERAL ARRANGEMENT MOLE SIEVE</b>		
CUSTOMER		
LOCATION	CONTRACT NO.	DATE
1	8267	11/02/04
CUST. REF. NO.	1	11/02/04
D-8267-02A		
SHT. 3 OF 5		



<b>NATCO CANADA</b>					
CALGARY	ALBERTA			CANADA	
WIRE PIPING & EQUIPMENT GENERAL ARRANGEMENT MOLE SIEVE					
CUSTOMER					
LOCATION					
UNIT NO.		QUANTITY		DATE	
		QURTIS S		08/04/97	
ITEM M		QURTIS S		TOTAL	
1		1		1	
CONTRACT NO.		D-8267--02A		REV	
CUST REF. NO.		1		0001	
+		8267			

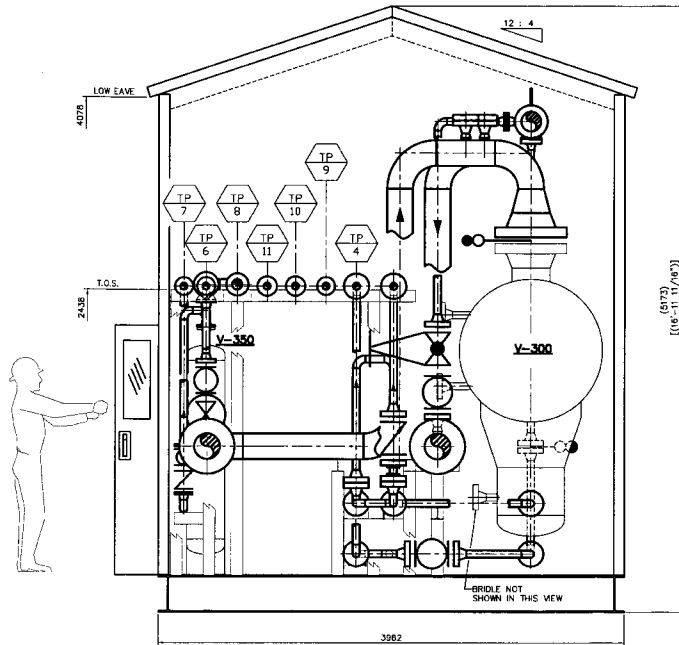


9	INSTRUMENT AIR	2"-150#/RF	3				
8	SWEET PSV	2"-150#/RF					
7	FUEL GAS OUTLET	2"-150#/RF					
6	FUEL GAS INLET	2"-500#/RF					
5	SCUR PSV	8"-150#/RF					
4	DRAIN	2"-900#/RF					
3	WATER OUT	2"-900#/RF					
2	PRODUCTION GAS	8"-900#/RF					
1	INLET	8"-900#/RF					
11	HEAT MED. RETURN	2"-300#/RF	3				
10	HEAT MED. SUPPLY	2"-300#/RF					

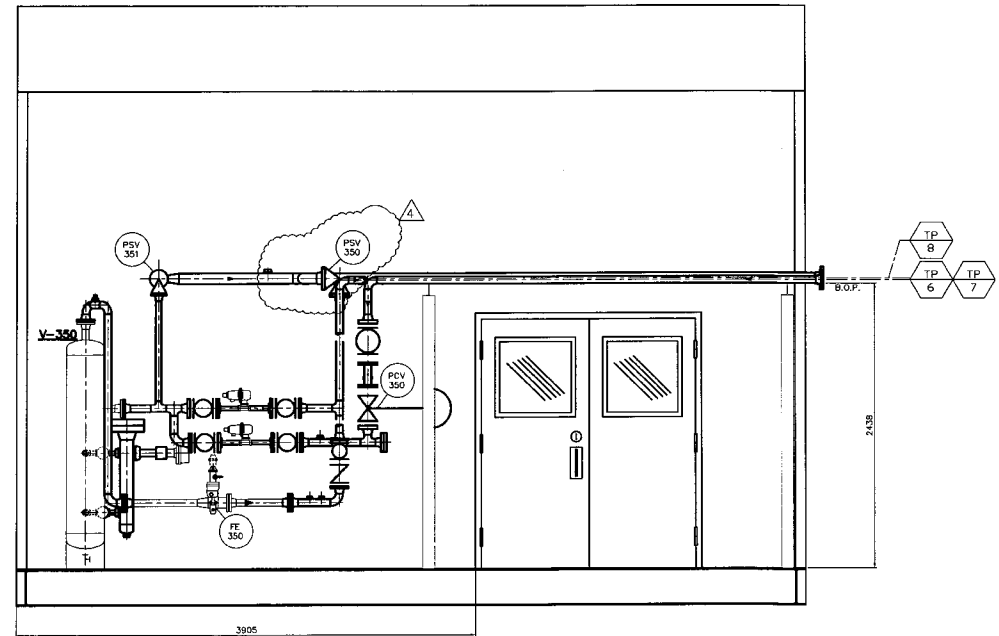
GENERAL NOTES:							
1. PIPING DESIGNED TO ASME CODE B31.3 2002 EDITION - ADDENDUM.							
2. UNLESS OTHERWISE INDICATED, SHOP SHALL LOCATE ALL CUSTOMER CONNECTIONS NOT SHOWN ON DRAWING.							
3. ALL SHD. EDGE DIMENSIONS SHALL HAVE A TOLERANCE OF $\pm 1/16"$ OF THE INDICATED DIMENSIONS.							
4. WELD GAP = 2 mm. SHOP TO ADJUST AS REQUIRED.							
5.							
TOTAL PACKAGE WEIGHT (LBS/Kg):				33204 LBS. / 15061 Kg			
TOTAL SHIPPING WEIGHT (LBS/Kg):				33204 LBS. / 15061 Kg			
OVERALL				33'-7"/10227mm	13'-0"/3962mm	17'-0"/5173mm	
SHIPPING				33'-7"/10227mm	13'-0"/3962mm	17'-0"/5173mm	
DESCRIPTION	LENGTH	WIDTH	HEIGHT	OVERALL PACKAGE DIMENSIONS/WEIGHTS			

3	03/24/05	EA			REVISED AS NOTED
2	03/14/05	EA	CS	RM	REVISED AS NOTED
1	02/14/05	EA	CS	RM	WAVE GLOBE VALVE AND CHANGED POSITION OF LV-300 ON WATER OUTLET LINE FROM V-300. REVISED THE SUPPORTS, ADDED LV-300 AND CYSTERNER ON FUEL GAS INLET TO V-300.
0	01/07/05	EA	CS	RM	ISSUED FOR CONSTRUCTION
A	11/15/04	EA	CS	RM	ISSUED FOR APPROVAL
REV	DATE	REV	OWNER	APPROV	DESCRIPTION
REVISIONS					
This drawing is the property of NATCO CANADA and is lent to the recipient for his confidential use only. In consideration of the fees of this drawing, the recipient agrees that it shall not be used in any way detrimental to the interests of NATCO CANADA, that it shall be returned upon request, and that it shall not be reproduced, copied, lent or otherwise disposed of, directly or indirectly, without the written approval of NATCO CANADA.					

<u>NATCO CANADA</u>			
CALGARY	ALBERTA	CANADA	
FILE: PIPING LAYOUT FOR			
48" O.D. x 30'-0" S/S INLET SEPARATOR PACKAGE			
CUSTOMER:			
LOCATION:			
SHEET NO.		10000	DATE 11/02/04
PROD. A	REV. 1	2	
PROD. B	REV. 1	1	
PROD. C	REV. 1	1	
SHEET 1 OF 2		SCALE: 1:20	
CONTRACT NO.		D-8267-02B	
CLASS. REF. NO.	8267	REV. 3	
1		2	



VIEW A-A



VIEW C-C

TAG	DESCRIPTION	SIZE-RATING	TAG	DESCRIPTION	SIZE-RATING
9	INSTRUMENT AIR	2"-150#/RF			
8	SWEET PSV	3"-150#/RF			
7	FUEL GAS OUTLET	2"-150#/RF			
6	FUEL GAS INLET	2"-800#/RF			
5	PSV	6"-150#/RF			
4	DRAIN	2"-900#/RF			
3	WATER OUT	2"-900#/RF			
2	PRODUCTION GAS	8"-900#/RF			
1	INLET	8"-900#/RF			
			11	HEAT MED. RETURN	2"-300#/RF
			10	HEAT MED. SUPPLY	2"-300#/RF

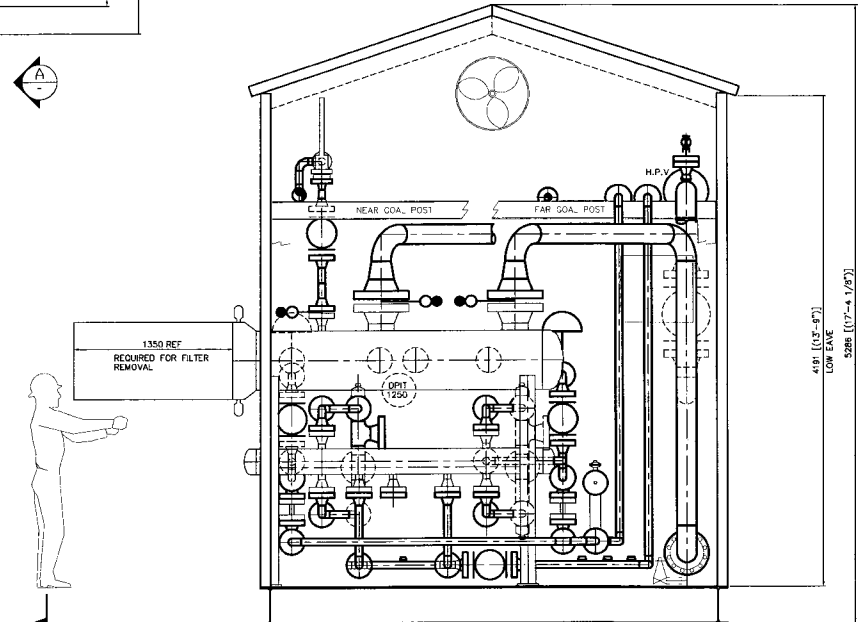
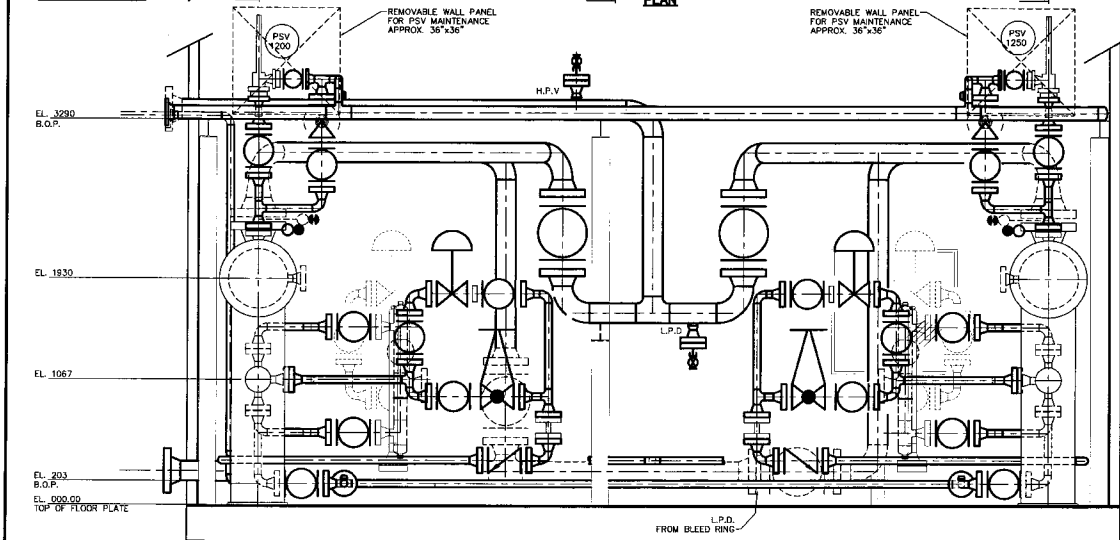
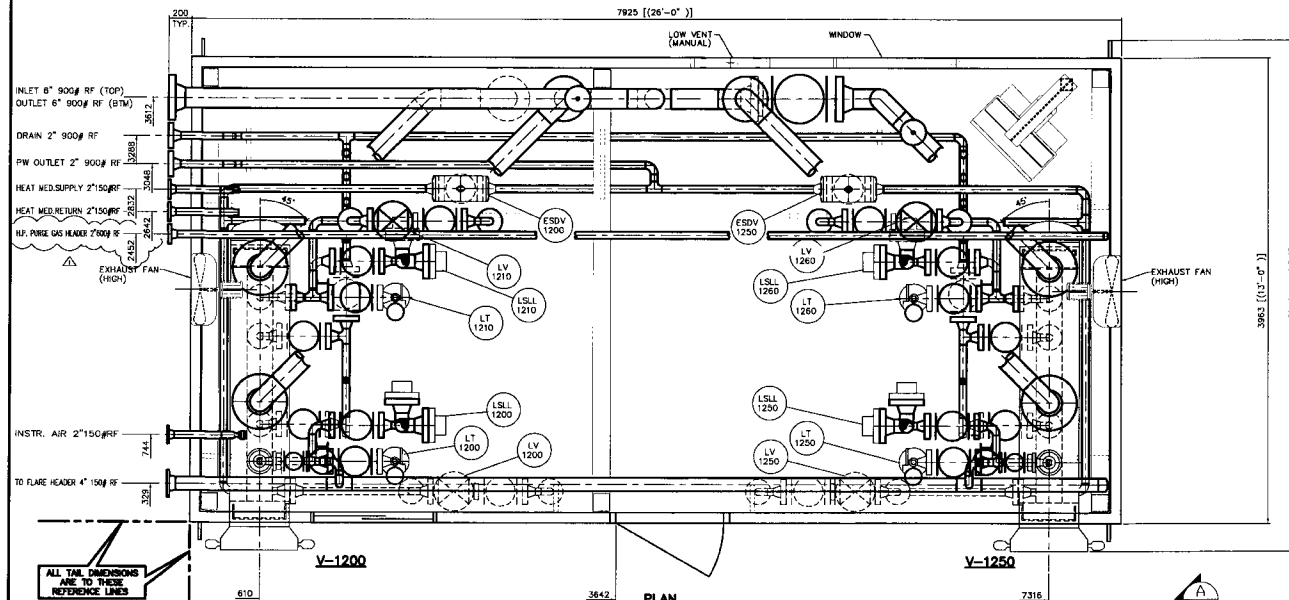
- GENERAL NOTES:**
1. PIPING DESIGNED TO ASME CODE B31.3 2002 EDITION, - ADDENDUM.
  2. UNLESS OTHERWISE INDICATED, SHOP SHALL LOCATE ALL CUSTOMER CONNECTIONS NOT SHOWN ON DRAWING.
  3. ALL SOD EDGE DIMENSIONS SHALL HAVE A TOLERANCE OF  $\pm 1/16"$  OF THE INDICATED DIMENSIONS.
  4. WELD GAP = 2 mm. SHOP TO ADJUST AS REQUIRED.
  - 5.

TOTAL PACKAGE WEIGHT (LBS/Kg):		33204 LBS. / 15061 Kg	
TOTAL SHIPPING WEIGHT (LBS/Kg):		33204 LBS. / 15061 Kg	
OVERALL	33'-7"/10227mm	13'-0"/3962mm	17'-0"/5173mm
SHIPPING	33'-7"/10227mm	13'-0"/3962mm	17'-0"/5173mm
DESCRIPTION	LENGTH	WIDTH	HEIGHT

OVERALL PACKAGE DIMENSIONS/WEIGHTS

4	03/24/05	EA	-	-	REVISED AS NOTED
3	03/14/05	EA	CS	RM	REVISED AS NOTED
2	02/14/05	EA	CS	RM	ADDED LC-350
1	02/03/05	EA	CS	RM	ADDED "Y" STRAINER ON FUEL GAS INLET
0	01/07/05	EA	CS	RM	ISSUED FOR CONSTRUCTION
A	11/15/04	EA	CS	RM	ISSUED FOR APPROVAL
REV	DATE	REV	OWN	APPR	DESCRIPTION
REVISIONS					
This drawing is the property of NATCO CANADA and is lent to the recipient for his confidential use only. In consideration of the use of this drawing, the recipient promises and agrees that it shall not be used in any way detrimental to the interests of NATCO CANADA, that it shall be returned upon request, and that it shall not be reproduced, copied, lent or otherwise disposed of, directly or indirectly, without the written approval of NATCO CANADA.					

<div>NATCO CANADA</div>									
CALGARY				ALBERTA			CANADA		
SITE				PIPING LAYOUT FOR					
				48" O.D. x 30'-0" S/S INLET SEPARATOR PACKAGE					
CUSTOMER									
LOCATION									
				SPEC		REV		DATE	
				ELENIA A		212		11/22/2014	
				SPEC		ELENIA A		1-20	
Q.S.T. REF. NO.				CONTRACT NO.		D-8267-02B		REV	
				8267		1		4	

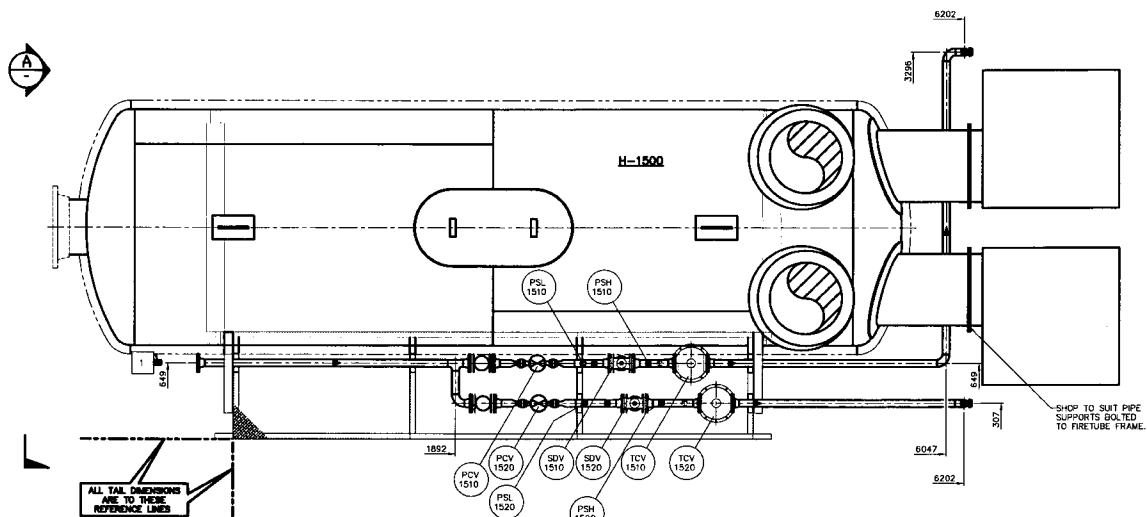


TAC	DESCRIPTION	SIZE-RATING	TAC	DESCRIPTION	SIZE-RATING
CUSTOMER CONNECTIONS					

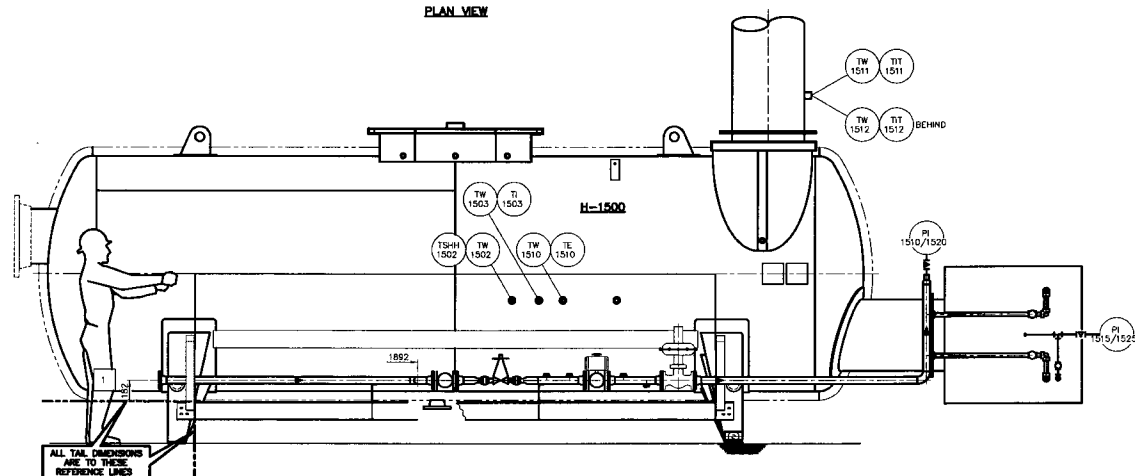
<b>GENERAL NOTES:</b> 1. PIPING DESIGNED TO ASME CODE B31.3 2002 EDITION, - ADDENDA. 2. UNLESS OTHERWISE INDICATED, SHOP SHALL LOCATE ALL CUSTOMER CONNECTIONS NOT SHOWN ON DRAWING. 3. ALL SKID LODGE DIMENSIONS SHALL HAVE A TOLERANCE OF ± [1/4"] OF THE INDICATED DIMENSIONS. 4. WELD CAP = 2 mm. SHOP TO ADJUST AS REQUIRED. 5.			TOTAL PACKAGE WEIGHT (LBS/Kg): 16000 LBS. 18370 Kg TOTAL SHIPPING WEIGHT (LBS/Kg): T.B.C. LBS. X Kg OVERALL 26'-8" / 8125mm 14'-4" / 4369mm 15'-10" / 4828mm SHIPPING LENGTH (FT-IN/MM) WEIGHT (FT-IN/MM) HEIGHT (FT-IN/MM) DESCRIPTION OVERALL PACKAGE DIMENSIONS/WEIGHTS		
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--

REV	DATE	REV	DATE	APPRO	DESCRIPTION
1	03/16/05	JN			ADDED H.P. PURGE GAS HEADER
0	01/12/05	CS			ISSUED FOR CONSTRUCTION
A	11/15/04	FW			ISSUED FOR APPROVAL
REVISIONS					
This drawing is the property of NATCO CANADA and is lent to the recipient for his confidential use only. In consideration of the loan of this drawing, the recipient promises and agrees that it shall not be used in any way detrimental to the interests of NATCO CANADA, that it shall be returned upon request, and that it shall not be reproduced, copied, lent or otherwise disposed of, directly or indirectly, without the written approval of NATCO CANADA.					

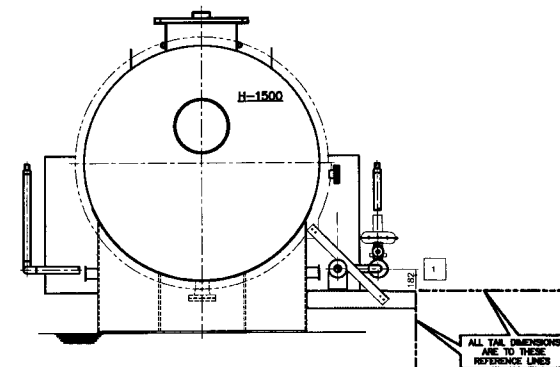
<b>NATCO CANADA</b> CALGARY ALBERTA CANADA		<b>INLET FILTER COALESCER SKID PACKAGE</b>	
TITLE CUSTOMER		LOCATION CONTRACT NO.	
8267		1	



PLAN VIEW



ELEVATION VIEW



SECTION "A"

TAG	DESCRIPTION	SIZE-RATING	TAG	DESCRIPTION	SIZE-RATING
1	FUEL GAS HEADER INLET	2"-150# RF			
CUSTOMER CONNECTIONS					

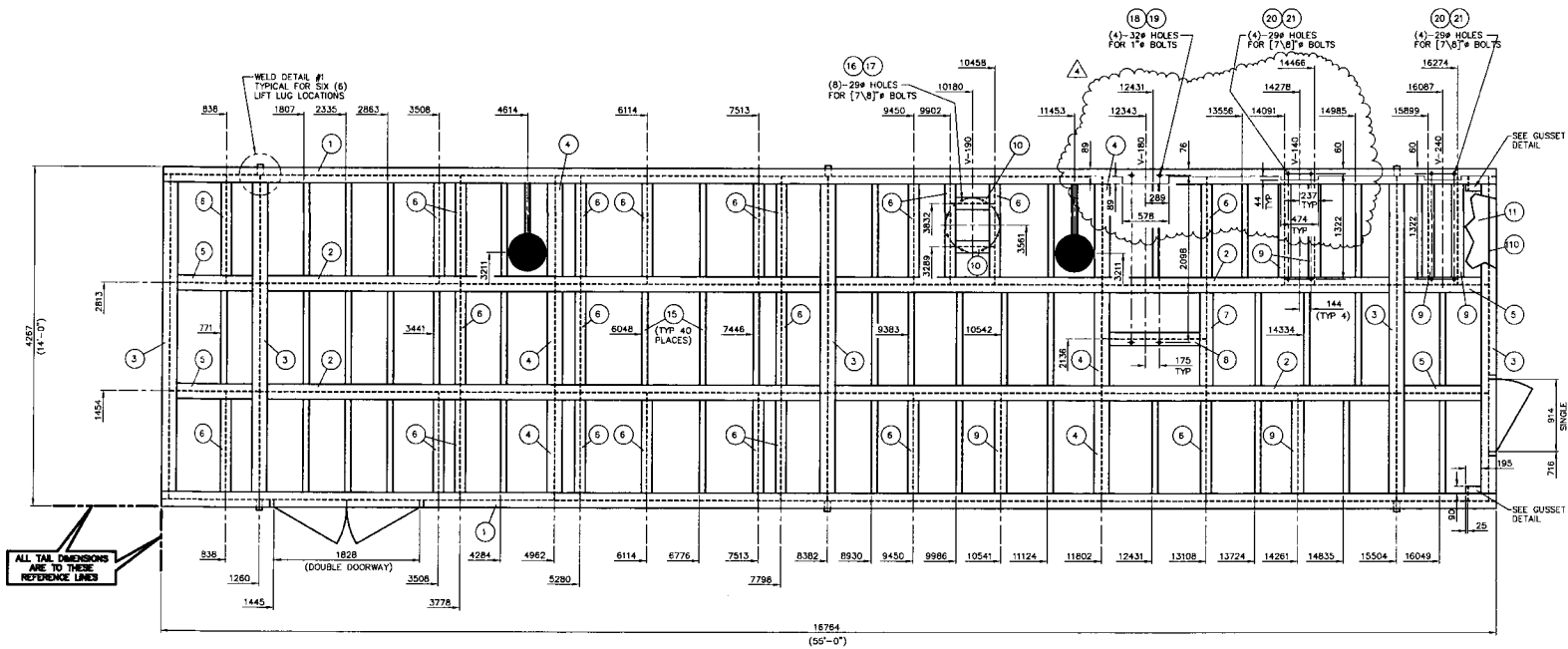
**GENERAL NOTES:**

1. PIPING DESIGNED TO ASME CODE B31.3 2002 EDITION, - ADDENDA.
2. UNLESS OTHERWISE INDICATED, SHOP SHALL LOCATE ALL CUSTOMER CONNECTIONS NOT SHOWN ON DRAWING.
3. ALL SKID EDGE DIMENSIONS SHALL HAVE A TOLERANCE OF  $\pm$  [1/4"] OF THE INDICATED DIMENSIONS.
4. WELD GAP = 2 mm. SHOP TO ADJUST AS REQUIRED.
- 5.

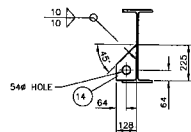
TOTAL PACKAGE WEIGHT (LBS/Kg):		33,500 LBS. 15,227 Kg
TOTAL SHIPPING WEIGHT (LBS/Kg):		33,500 LBS. 15,227 Kg
OVERALL	31'-0"/9448	11'-0"/3353
SHIPPING	31'-0"/9448	11'-0"/3353
DESCRIPTION	LENGTH (FT-IN/AM)	WIDTH (FT-IN/AM)
		HEIGHT (FT-IN/AM)

REV	DATE	REV	DATE	APPROVED	DESCRIPTION
0	04/05/05	JN			ISSUED FOR CONSTRUCTION
A	03/30/05	JN			ISSUED FOR APPROVAL
REVISIONS					
This drawing is the property of NATCO CANADA and is lent to the recipient for his confidential use only. In consideration of the loan of this drawing, the recipient promises and agrees that it shall not be used in any way detrimental to the interests of NATCO CANADA, that it shall be returned upon request, and that it shall not be reproduced, copied, lent or otherwise disposed of, directly or indirectly, without the written approval of NATCO CANADA.					

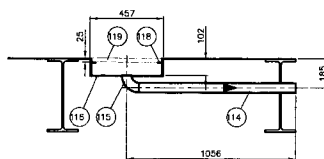
<b>NATCO CANADA</b>		CALGARY	ALBERTA	CANADA
TITLE: PIPING & EQUIPMENT GENERAL ARRANGEMENT				
SALT BATH HEATER				
CUSTOMER				
LOCATION				
CONTRACT NO. 8267				
1 SHIT. 1 OF 1				



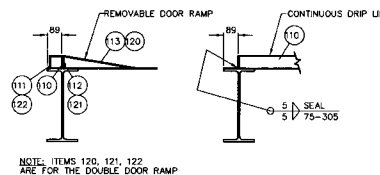
PLAN VIEW



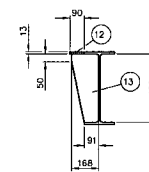
LIFT LUG DETAIL  
SCALE: 1:15  
(6 REQ'D)



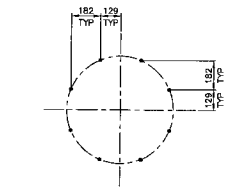
FLOOR DRAIN DETAIL  
SCALE: 1:15  
(2 REQ'D)



TYP. DOOR/DRIP LIP DETAIL  
SCALE: 1:15  
(1 SINGLE & 1 DOUBLE DOORWAY REQ'D)



GUSSET DETAIL  
SCALE: 1:15  
(2 REQ'D)



V-190 BOLT PATTERN DETAIL  
SCALE: 1:15

# MATERIAL LIST

ITEM	QTY	PART/COMP. NO.	DESCRIPTION	MATERIAL
1	2		WIDE FLANGE 18.00" # 41#	16764 G402150V
2	4		WIDE FLANGE 18.00" # 41#	7113 G402150V
3	3		WIDE FLANGE 18.00" # 41#	4069 G402150V
4	6		WIDE FLANGE 18.00" # 41#	1350 G402150V
5	4		WIDE FLANGE 18.00" # 41#	1156 G402150V
6	23		WIDE FLANGE 8.00" # 18#	1350 G402150V
7	1		WIDE FLANGE 12.00" # 26#	1350 G402150V
8	1		WIDE FLANGE 12.00" # 26#	1296 G402150V
9	6		WIDE FLANGE 6.00" # 15#	1350 G402150V
10	2		WIDE FLANGE 6.00" # 15#	550 G402150V
11	1		PLATE 0.250" THK CHECKERPLATE	4267 x 16764 SA36
12	2		PLATE 0.500" THK	90 x 195 SA36
13	2		PLATE 0.500" THK	168 x 429 SA36
14	6		PLATE 1.500" THK	128 x 225 SA51670N
15	40		ANGLE 3.00" x 3.00" x 0.250"	1169 SA36/44V
16	8		0.875 HX HB BOLT x 3.00" LG	A325
17	8		0.875 NUTS	A325
18	4		1.00 HX HB BOLT x 3.50" LG	A325
19	4		1.00 NUTS	A325
20	8		0.875 HX HB BOLT x 3.00" LG	A325
21	8		0.875 NUTS	A325
110	1		BAR FLAT 3.000" x 0.2500"	43000 SA36
111	1		SHOP CUT TO SUIT	
112	1		ANGLE 3.00" x 3.00" x 0.250"	914 SA36/44V
113	1		BAR FLAT 1.0000" x 0.2500"	900 SA36
114	2		CHECKERPLATE 0.2500" THICK	914 x 686 SA36/44V
115	2		BEND TO SUIT DETAIL	
116	2		PIPE 2.000" XH SCH 5S	980 SA106B
117	2		THREAD 2" NPT ONE END (SHOP CUT TO SUIT)	
118	2		ELL WELD 2" XH LR 90	SA234WPB
119	2		PLATE 0.2500" THICK NORM	437 x 437 SA36/44V
120	2		RING CUT TO 437 OD x 60 ID	
121	2		PIPE 18.000" x 0.250" WALL	102 SA53B
122	2		PLATE 0.2500" THICK NORM	437 x 437 SA36/44V
123	2		RING CUT TO 437 OD x 387 ID	
124	2		GRATING TYPE 15-4 1.00" x 3/16" 450 x 450	
125	2		CUT TO 437 DIA GALVANIZED	
126	1		CHECKERPLATE 0.2500" THICK 1828 x 686	SA36/44V
127	1		BEND TO SUIT DETAIL	
128	1		BAR FLAT 1.0000" x 0.2500"	1800 SA36
129	1		ANGLE 3.00" x 3.00" x 0.250"	1828 SA36/44V

- ALL FILLET WELDS TO BE 1/4" UNLESS OTHERWISE NOTED.
- ALL MEMBERS ARE TO BE FLUSH WITH THE TOP OF SKID, UNLESS OTHERWISE NOTED.
- SEE PAINTING SCHEDULE 8267-90.
- SEE INSULATION SCHEDULE 8267-92.
- INSULATE UNDERSIDE OF SKID WITH 3" FIRE RETARDANT SPRAY ON FOAM INSULATION.

SKID WEIGHT		40375 LBS / 18302 Kg
WEIGHT OF STEEL (LBS/Kg)	40375 LBS / 18302 Kg	
WEIGHT OF BUILDING (LBS/Kg)	3.5 LBS/SqFT	9270 LBS / 4214 Kg
TOTAL WEIGHT (LBS/Kg)		49645 LBS / 22566 Kg

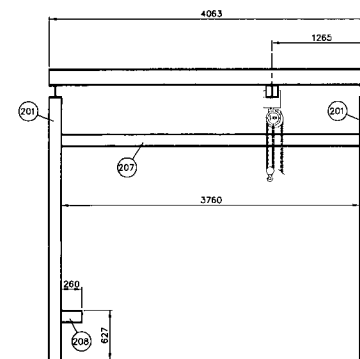
REV	DATE	BY	CHKD	APPD	DESCRIPTION
4	12/20/04	GES			ADDED DRIP LIP DIMENSIONS FOR AROUND SADDLES
3	12/19/04	GES			ADDED LIFT LUG BOLT HOLE SIZE
2	12/27/04	GES			ADDED LIFT LUG WELD DETAIL
1	12/03/04	GES			REVISED LOCATION OF V-190 BEAMS
0	11/30/04	GES			ISSUED FOR CONSTRUCTION

REVISIONS

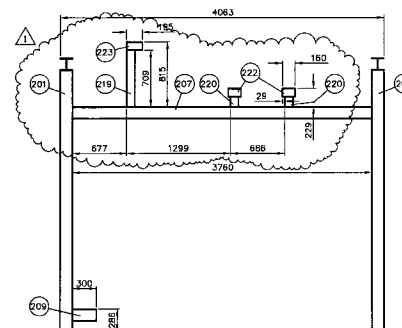
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## NATCO CANADA

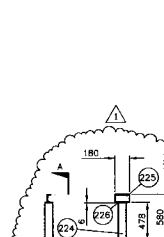
CALGARY		ALBERTA		CANADA	
STRUCTURAL STEEL LAYOUT					
MOLE SEVE					
OWNER					
LOCATION					
L					
CUST. REF. NO.		CONTRACT NO.		8267	
DESIGNER		CURTIS S		149	
DATE		11/18/04		SCALE	
BY		CURTIS S		1:30	
PROJECT NO.		8267		REV	
1		D-8267A-04		4	



PS-4  
(1 REQ'D)  
(LOOKING WEST)



PS-7  
(1 REQ'D)  
(LOOKING WEST)



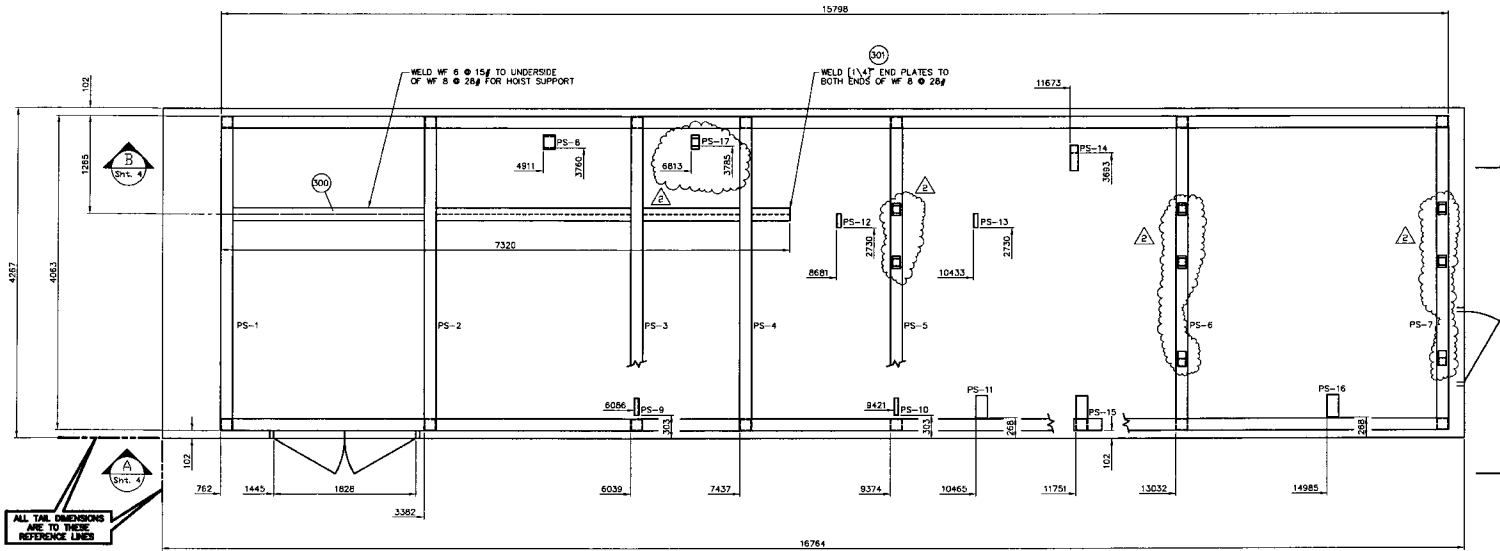
PS-16  
(1 REQ'D)

ELEVAT

1	2	3	4	5	6	7	8	9
<p><b>SMALL SIZE CONNECTION</b></p> <p><math>d \geq \frac{1}{2} C</math></p> <p><b>FULL SIZE CONNECTION</b></p> <p><math>d \geq \frac{1}{2} C</math></p> <p><b>FULL SIZE CONNECTION</b></p> <p><math>d \geq \frac{1}{2} C</math></p>	<p><b>REDUCED CONNECTION</b></p> <p><math>d \geq \frac{1}{2} C</math></p>	<p><b>FLOOR SUPPORT FULL COPE</b></p> <p><math>d \geq \frac{1}{2} C</math></p> <p><small>NOTE: * NUMBERS AND DIMENSIONS IN THE CONTINUOUS FLOOR JOIST</small></p>	<p><b>FLOOR SUPPORT NO COPE</b></p> <p><math>d \geq \frac{1}{2} C</math></p>	<p><b>FLOOR PLATE SKID CONNECTION</b></p> <p><math>d \geq \frac{1}{2} C</math></p>	<p><b>FLOOR PLATE SEAMS</b></p> <p><small>UNLESS OTHERWISE NOTED</small></p>	<p><b>TYPICAL BOLTING</b></p> <p><math>d \geq \frac{1}{2} C</math></p>		

	8267	1	PROG. CODE	D-8267A-04 SHT. 2 OF 4	1
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FULL SIZE CONNECTION	FULL SIZE CONNECTION	FULL SIZE CONNECTION	REDUCED CONNECTION	FLOOR SUPPORT FULL COPE	FLOOR SUPPORT NO COPE	FLOOR PLATE SKID CONNECTION	FLOOR PLATE BEAMS	TYPICAL BOLTING

[illegible]

- [illegible]

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CALGARY	ALBERTA	CANADA
TITLE		
PIPE SUPPORT LOCATIONS		
MOLE SIEVE		

CUSTOMER					
LOCATION		FREQ CURTIS S		ORDER 149	DATE 11/18/04
		FREQ ROD M		GRAVITY CURTIS S	SCALE 1.30
CUST. REF. NO.	CONTRACT NO.	QNTS REQ.	DRAWING NUMBER	D-8267A-04	REV
*	8267	1	* PHOTO CODE	SHT. 3 OF 4	2

# MATERIAL LIST

ITEM	QTY	PART/COMP. No.	DESCRIPTION	MATERIAL
400	4		WIDE FLANGE 8.00" @ 28#	4063 G40E150V
401	2	22510147	WIDE FLANGE 6.00" @ 15# SHOP CUT TO SUIT	16000 G40E150V
402	1	11426400	HSS 6" X 6" X 1/4" THK	4186 SA350/44W
403	1	11426400	HSS 6" X 6" X 1/4" THK	4104 SA350/44W

1. ALL FILLET WELDS TO BE 1/4" UNLESS OTHERWISE NOTED.
2. ALL MEMBERS ARE TO BE FLUSH WITH THE TOP OF SKID, UNLESS OTHERWISE NOTED.
3. SEE PAINTING SCHEDULE 8267-90.
4. SEE INSULATION SCHEDULE 8267-92.
5. INSULATE UNDERSIDE OF SKID WITH 3" FIRE RETARDANT SPRAY ON FOAM INSULATION.

## SKID WEIGHT

WEIGHT OF STEEL (LBS/Kg)	3615 LBS / 1643 Kg
WEIGHT OF BUILDING (LBS/Kg) @ 3.5 LBS/Sq.FT	N/A
TOTAL WEIGHT (LBS/Kg)	3615 LBS / 1643 Kg

1 12/17/04 CES - ADDED PS-17  
0 12/07/04 CES CES RM ISSUED FOR CONSTRUCTION

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**NATCO CANADA**

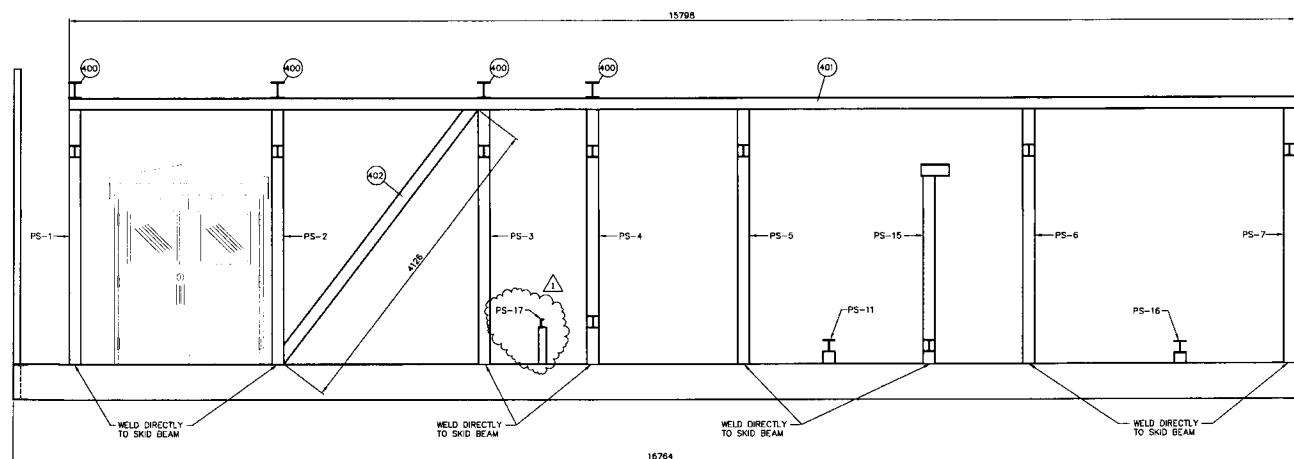
CALGARY ALBERTA CANADA

PIPE SUPPORT SECTION VIEWS  
MOLE SIEVE

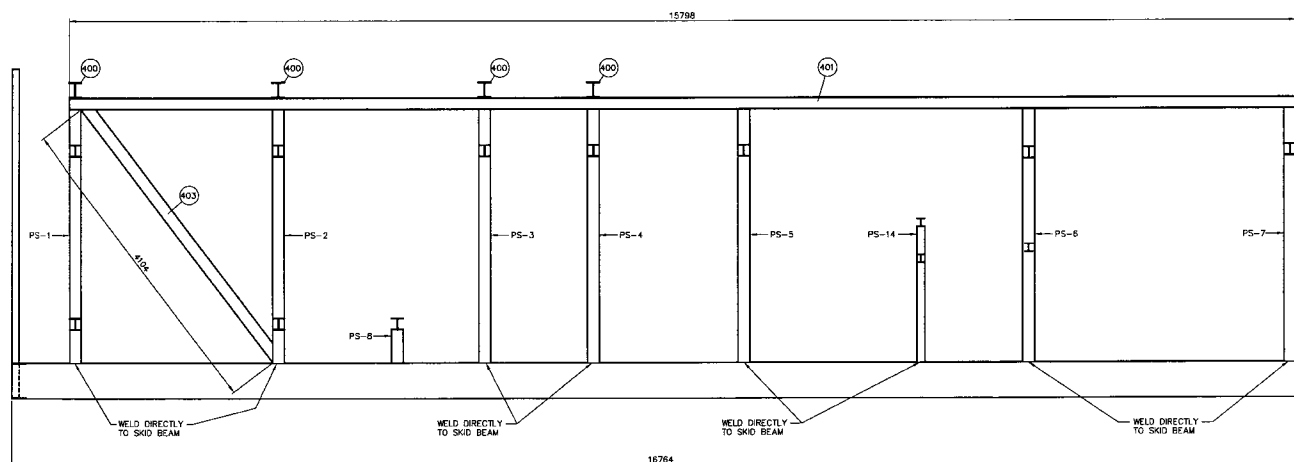
CUSTOMER

LOCATION

COST REF. NO. CONTRACT NO. 8267 SHEETS 1 DRAWING PLANT D-8267A-04 SHEET 4 OF 4 REV 1



**A**  
SECTION  
(SHT. 3)

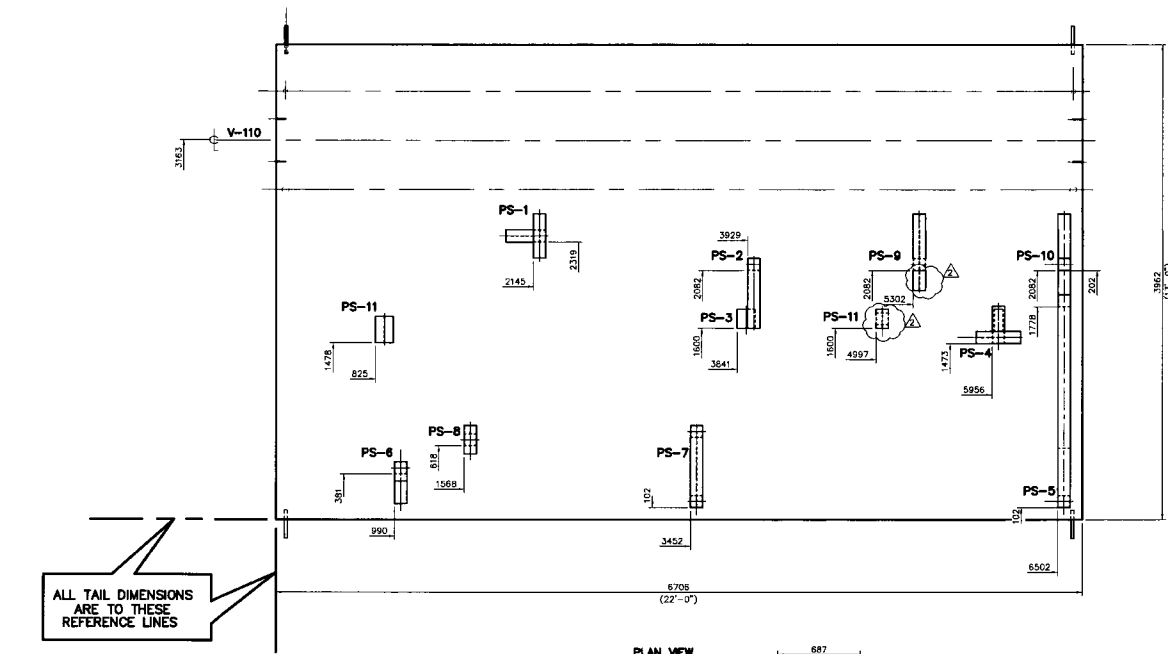


**B**  
SECTION  
(SHT. 3)

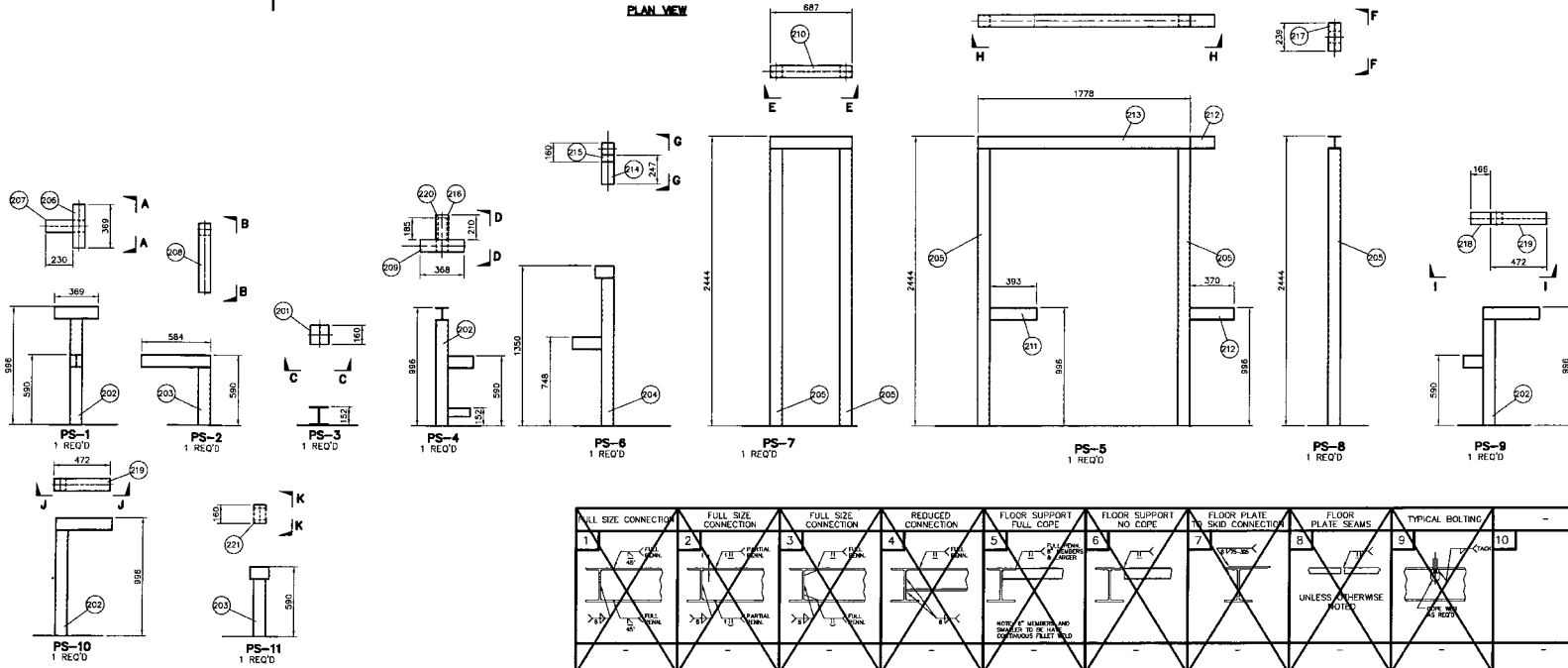
1	2	3	4	5	6	7	8	9	10
FULL SIZE CONNECTION	FULL SIZE CONNECTION	FULL SIZE CONNECTION	REDUCED CONNECTION	FLOOR SUPPORT FULL CORN	FLOOR SUPPORT NO CORN	FLOOR PLATE TO SKID CONNECTION	FLOOR PLATE SEAMS	TYPICAL BOLTING	
				NOTES: MEMBERS AND SURFACES TO BE IN CONTACT WITH SKID			UNLESS OTHERWISE NOTED		



ALL TAIL DIMENSIONS  
ARE TO THESE  
REFERENCE LINES



PLAN VIEW



1	2	3	4	5	6	7	8	9	10
FULL SIZE CONNECTION	FULL SIZE CONNECTION	FULL SIZE CONNECTION	REDUCED CONNECTION	FLOOR SUPPORT FULL COPE	FLOOR SUPPORT NO COPE	FLOOR PLATE SKID CONNECTION	FLOOR PLATE SEAMS	TYPICAL BOLTING	
				NOTE: IF MEMBER AND SHIMMED TO BE USED, OBTAIN FILLET WELD			UNLESS OTHERWISE NOTED		

# MATERIAL LIST

ITEM	QTY	PART/COMP. No.	DESCRIPTION	MATERIAL
201	1	22510147	WIRE FLANGE 6.00" @ 15#	160 G402150W
202	4	21739442	HSS 4" X 4" X 0.250"	890 G402144V
203	2	21739442	HSS 4" X 4" X 0.250"	484 G402144V
204	1	21739442	HSS 4" X 4" X 0.250"	1244 G402144V
205	5	21739442	HSS 4" X 4" X 0.250"	2338 G402144V
206	1	22510107	WIRE FLANGE 4" @ 13#	369 G402150W
207	1	22510107	WIRE FLANGE 4" @ 13#	230 G402150W
208	1	22510107	WIRE FLANGE 4" @ 13#	584 G402150W
209	1	22510107	WIRE FLANGE 4" @ 13#	360 G402150W
210	1	22510107	WIRE FLANGE 4" @ 13#	687 G402150W
211	1	22510107	WIRE FLANGE 4" @ 13#	393 G402150W
212	1	22510107	WIRE FLANGE 4" @ 13#	202 G402150W
213	1	22510107	WIRE FLANGE 4" @ 13#	1778 G402150W
214	1	22510107	WIRE FLANGE 4" @ 13#	247 G402150W
215	1	22510107	WIRE FLANGE 4" @ 13#	160 G402150W
216	1	22510107	WIRE FLANGE 4" @ 13#	210 G402150W
217	1	22510107	WIRE FLANGE 4" @ 13#	393 G402150W
218	1	22510107	WIRE FLANGE 4" @ 13#	166 G402150W
219	2	22510107	WIRE FLANGE 4" @ 13#	472 G402150W
220	1	22011967	ANGLE 3" X 3" X .25"	185 SA36/44V
221	1	22510107	WIRE FLANGE 4" @ 13#	160 G402150W

- ALL FILLET WELDS TO BE 1/4" UNLESS OTHERWISE NOTED.
- ALL MEMBERS ARE TO BE FLUSH WITH THE TOP OF SKID, UNLESS OTHERWISE NOTED.
- SEE PAINTING SCHEDULE 8267-90.
- SEE INSULATION SCHEDULE 8267-92.
- INSULATE UNDERSIDE OF SKID WITH 3" FIRE RETARDANT SPRAY ON FOAM INSULATION.

SKID WEIGHT	
WEIGHT OF STEEL (LBS/Kg)	930 LBS / 422 Kg
WEIGHT OF BUILDING (LBS/Kg)	3.5 LBS/Sq.FT
TOTAL WEIGHT (LBS/Kg)	

REV	DATE	BY	CHK	DESCRIPTION
1	02/14/05	EA	CS	REVISED PS-5, ADDED PS-11
2	01/26/05	EA	CS	REVISED PS-5, ADDED PS-10
3	01/07/05	EA	CS	ISSUED FOR CONSTRUCTION
4	11/16/04	EA	CS	ISSUED FOR APPROVAL

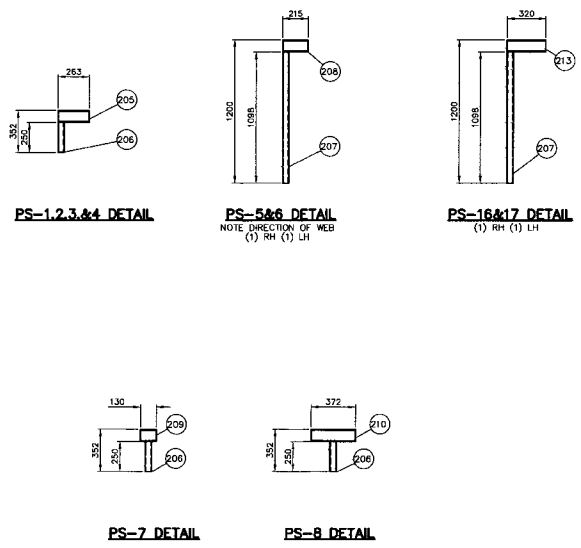
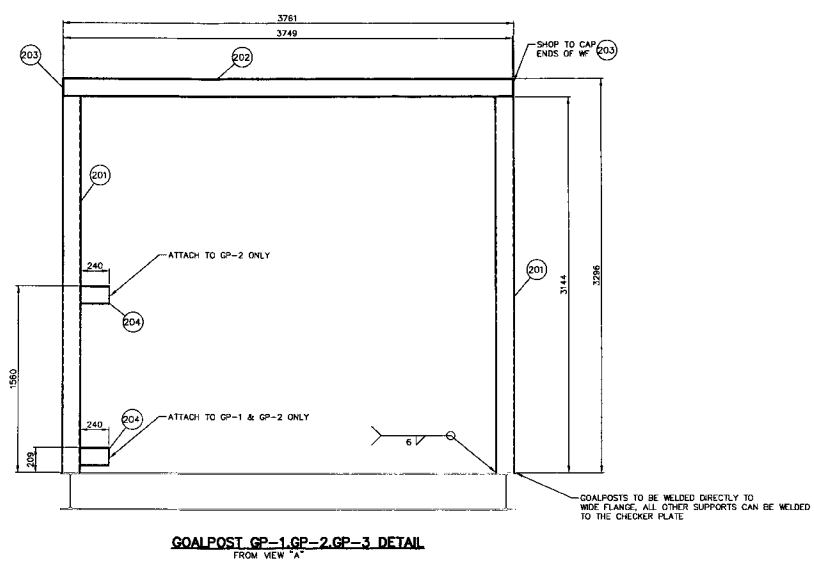
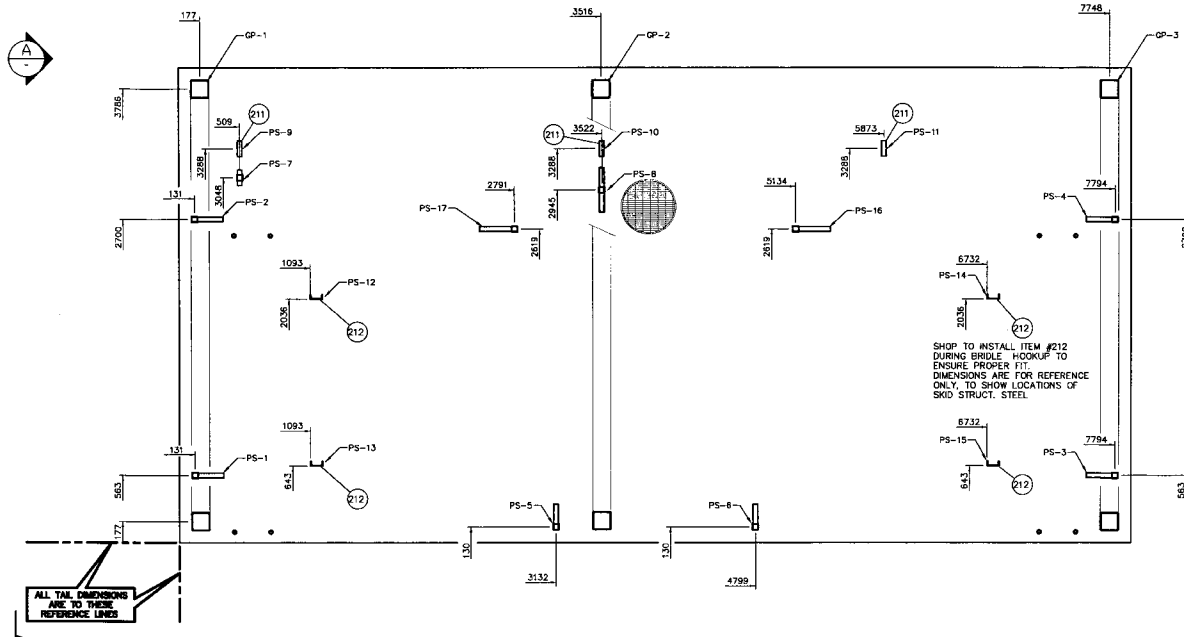
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**NATCO CANADA**

CALGARY	ALBERTA	CANADA
PIPE SUPPORTS AND LOCATIONS INLET SEPARATOR PACKAGE		
CUSTOMER		
LOCATION		
DATE	11/16/04	REV
BY	EA	213
CHK	CS	213
APP	CS	213
DATE	11/16/04	REV
BY	EA	213
CHK	CS	213
APP	CS	213
DATE	11/16/04	REV
BY	EA	213
CHK	CS	213
APP	CS	213

QEST. NO.	8267	CONTRACT NO.	1	11/16/04
QEST. REV. NO.		CONTRACT REV.	1	11/16/04
QEST. REV. NO.		CONTRACT REV.	1	11/16/04





MATERIAL LIST				
ITEM	QTY	PART/COMP. No.	DESCRIPTION	MATERIAL
201	6	11426400	HSS 6" X 6" X 0.250" THK	3144 G4021.350VC
202	3	82510147	WIDE FLANGE 6.00" # 15W	3749 G402150W
203	6	16082901	PLATE 0.250" THK	158K152 SA36/40.21-44W
204	3	82510147	WIDE FLANGE 6.00" # 15W	242 G402150W
205	4	22111427	CHANNEL 4.00" # 5.4#	263 G402144V
206	6	11739132	HSS 2" X 2" X 0.250" THK	250 G4021.350VC
207	4	11739132	HSS 2" X 2" X 0.250" THK	1098 G4021.350VC
208	2	22111427	CHANNEL 4.00" # 5.4#	215 G402144V
209	1	22111427	CHANNEL 4.00" # 5.4#	130 G402144V
210	1	22111427	CHANNEL 4.00" # 5.4#	372 G402144V
211	3	22111427	CHANNEL 4.00" # 5.4#	136 G402144V
212	4	22111427	CHANNEL 4.00" # 5.4#	1625 G402144V
213	2	22111427	CHANNEL 4.00" # 5.4#	320 G402144V
1. ALL FILLET WELDS TO BE 1/4" UNLESS OTHERWISE NOTED.				
<div> <div> <div>0</div> <div>01/07/05</div> <div>EA</div> <div>ISSUED FOR CONSTRUCTION</div> </div> <div> <div>A</div> <div>12/20/04</div> <div>FW CS RM</div> <div>ISSUED FOR APPROVAL</div> </div> </div> <div> <div>REV</div> <div>DATE</div> <div>REV</div> <div>DATE</div> <div>APP</div> <div>DESCRIPTION</div> </div>				
<div> <div> <div>REVISIONS</div> <div> <div>This drawing is the property of NATCO CANADA and is loaned to the recipient for the confidential use only. In consideration of the loan of this drawing, the recipient promises and agrees that it shall not be used in any way detrimental to the interests of NATCO CANADA, that it shall be returned upon request, and that it shall not be reproduced, copied, lent or otherwise disposed of, directly or indirectly, without the written approval of NATCO CANADA.</div> </div> <div> <div>NATCO CANADA</div> <div>CALGARY ALBERTA CANADA</div> </div> </div> <div> <div> <div>FILE</div> <div>PIPE SUPPORTS FOR INLET FILTER COALESCE PACKAGE</div> </div> <div> <div>CUSTOMER</div> <div></div> </div> </div> <div> <div> <div>LOCATION</div> <div></div> </div> <div> <div> <div>DESIGNED BY</div> <div>FRANK W</div> </div> <div> <div>DRAWN BY</div> <div>FRANK W</div> </div> <div> <div>CHECKED BY</div> <div>FRANK W</div> </div> </div> <div> <div> <div>DATE</div> <div>12/20/04</div> </div> <div> <div>REV</div> <div>1</div> </div> </div> <div> <div> <div>CONTRACT NO.</div> <div>8267</div> </div> <div> <div> <div>PROJ. CODE</div> <div>D-8267-04-C</div> </div> <div> <div>SHEET</div> <div>2 OF 2</div> </div> </div> </div> </div></div>				