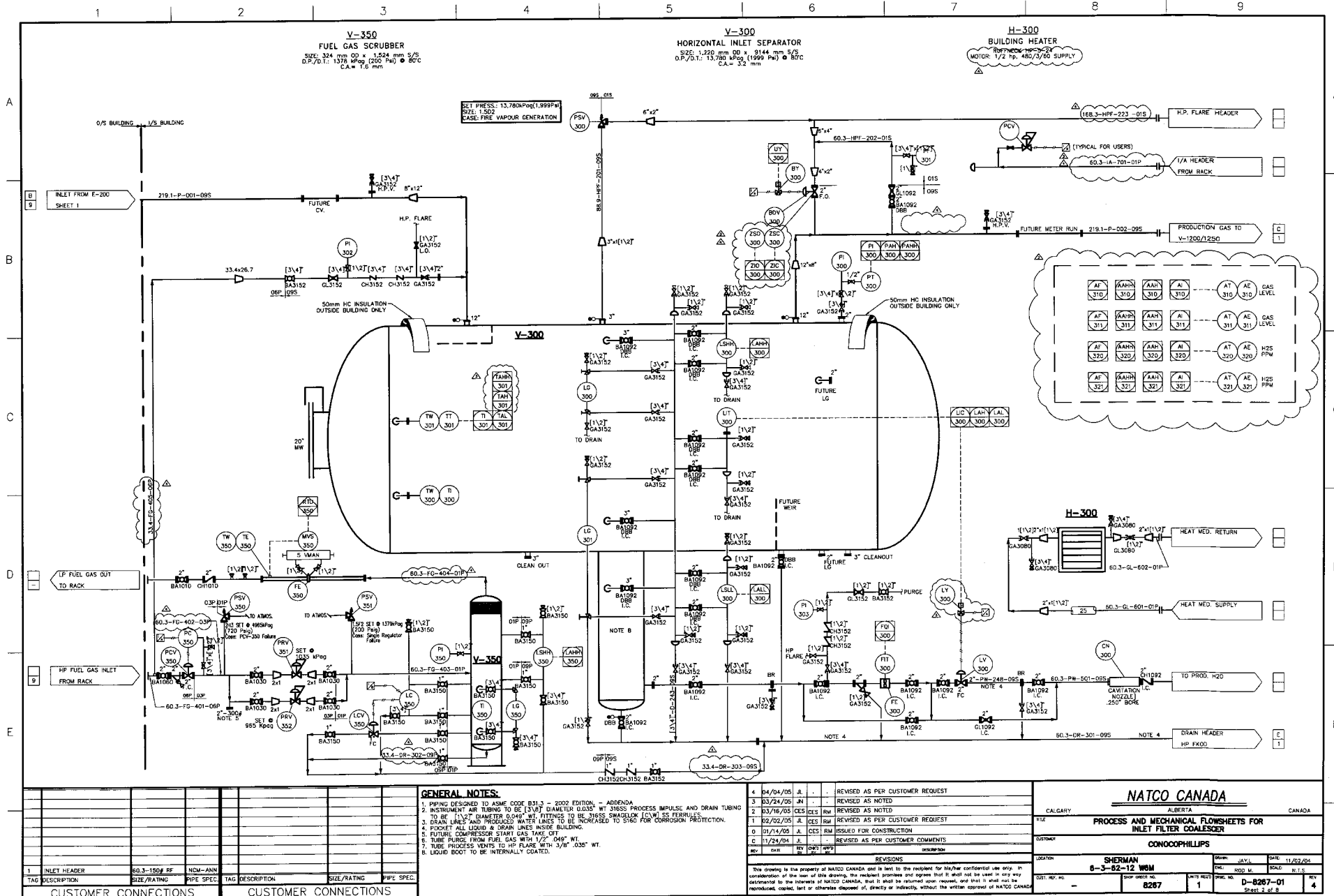
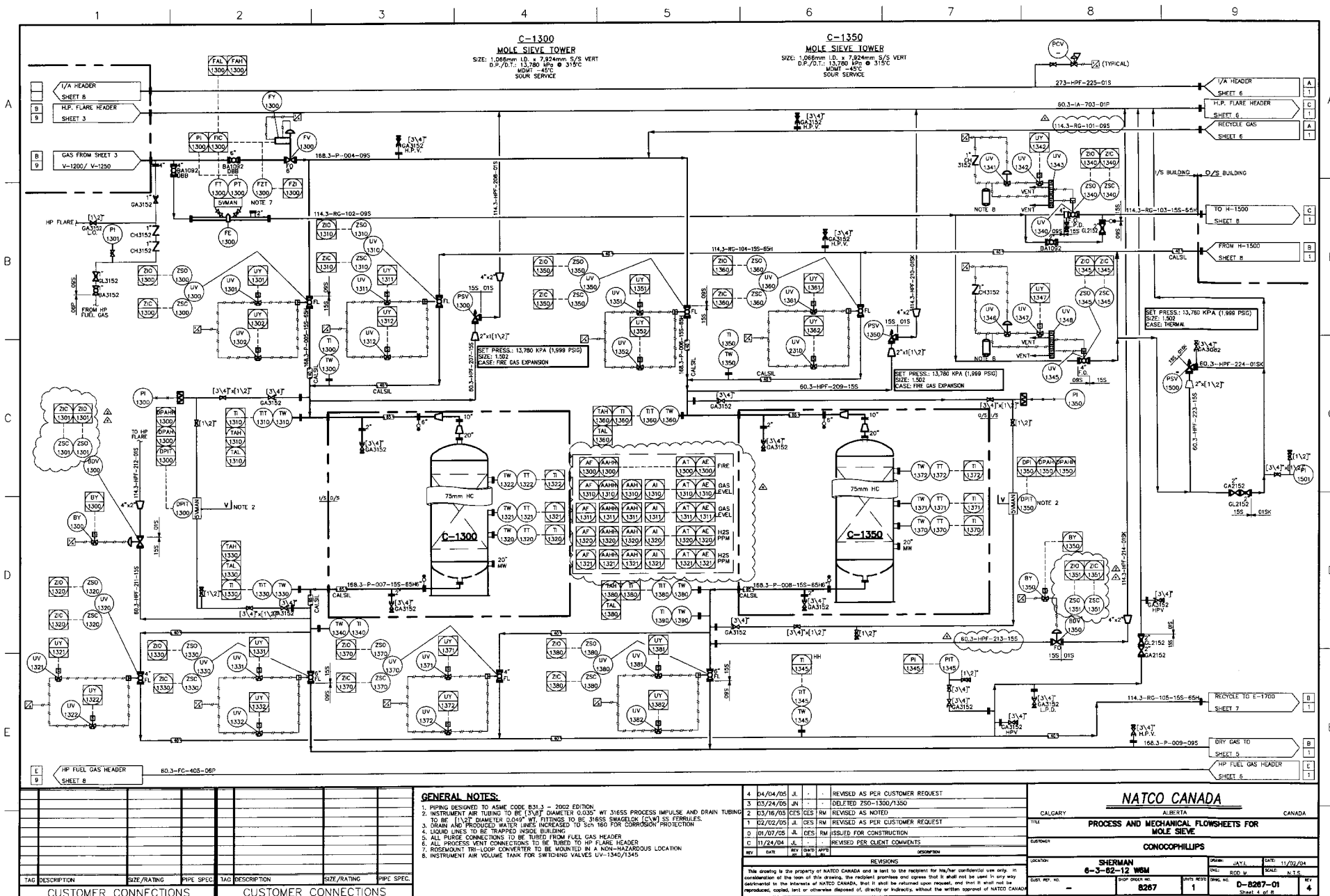
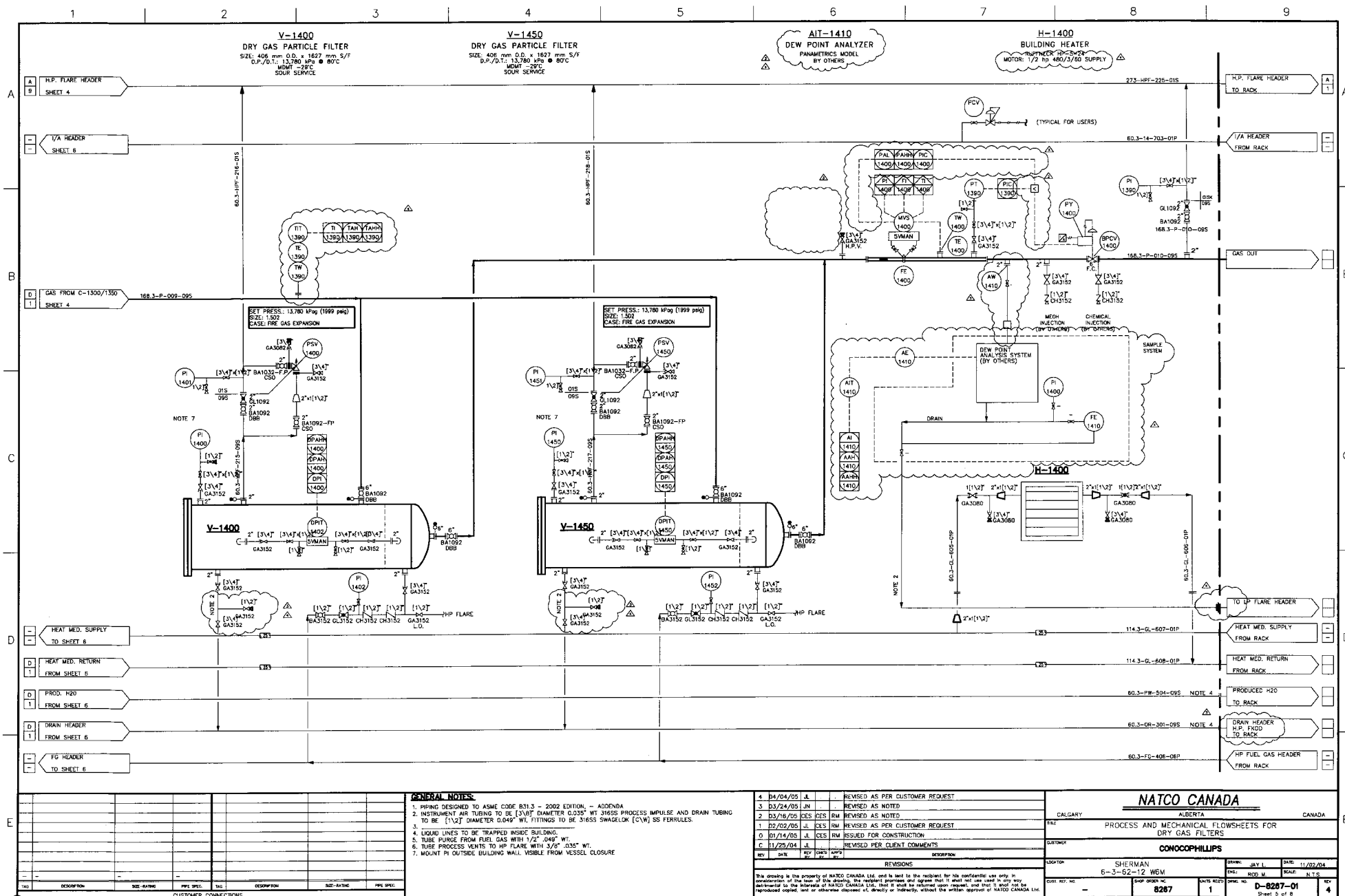
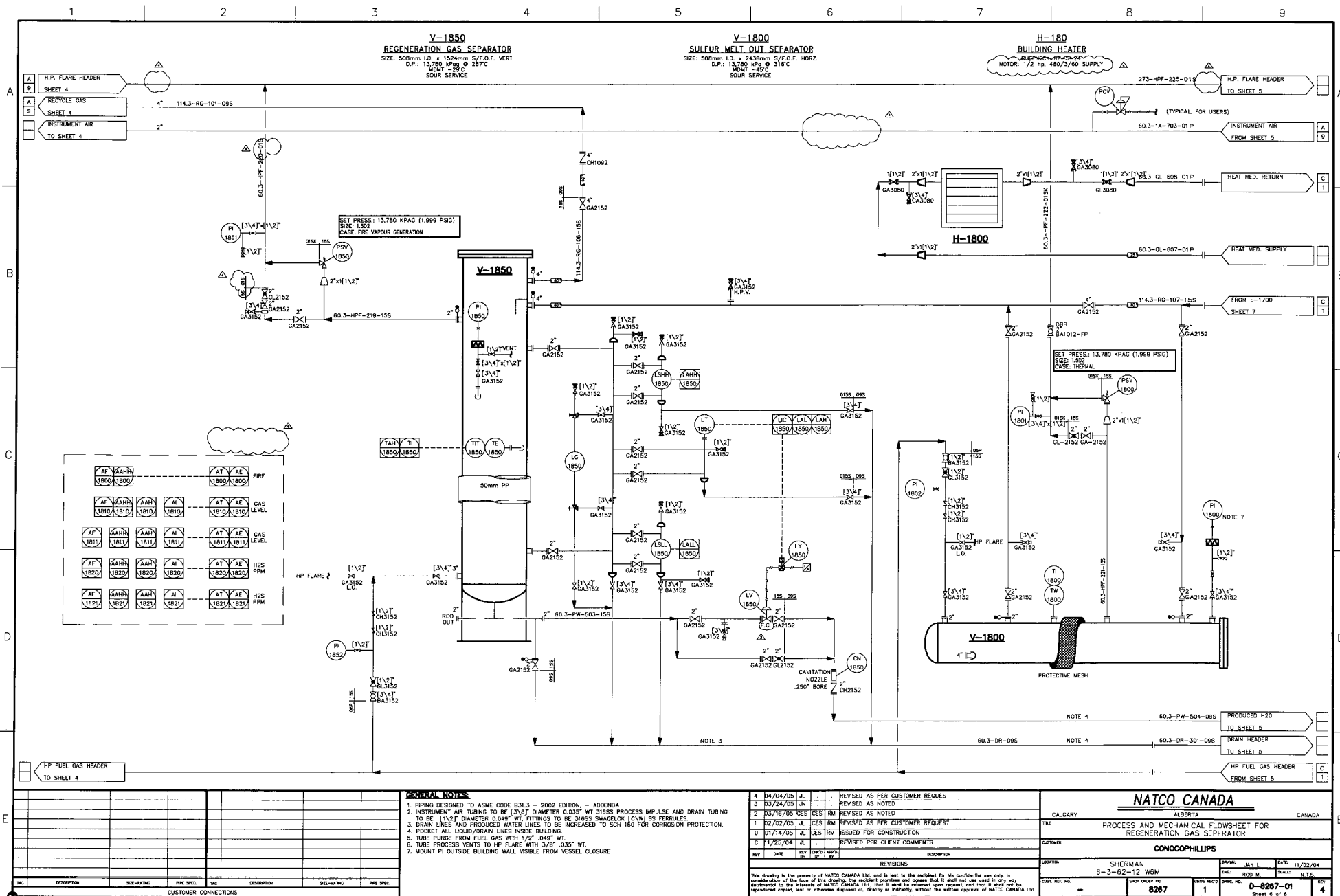
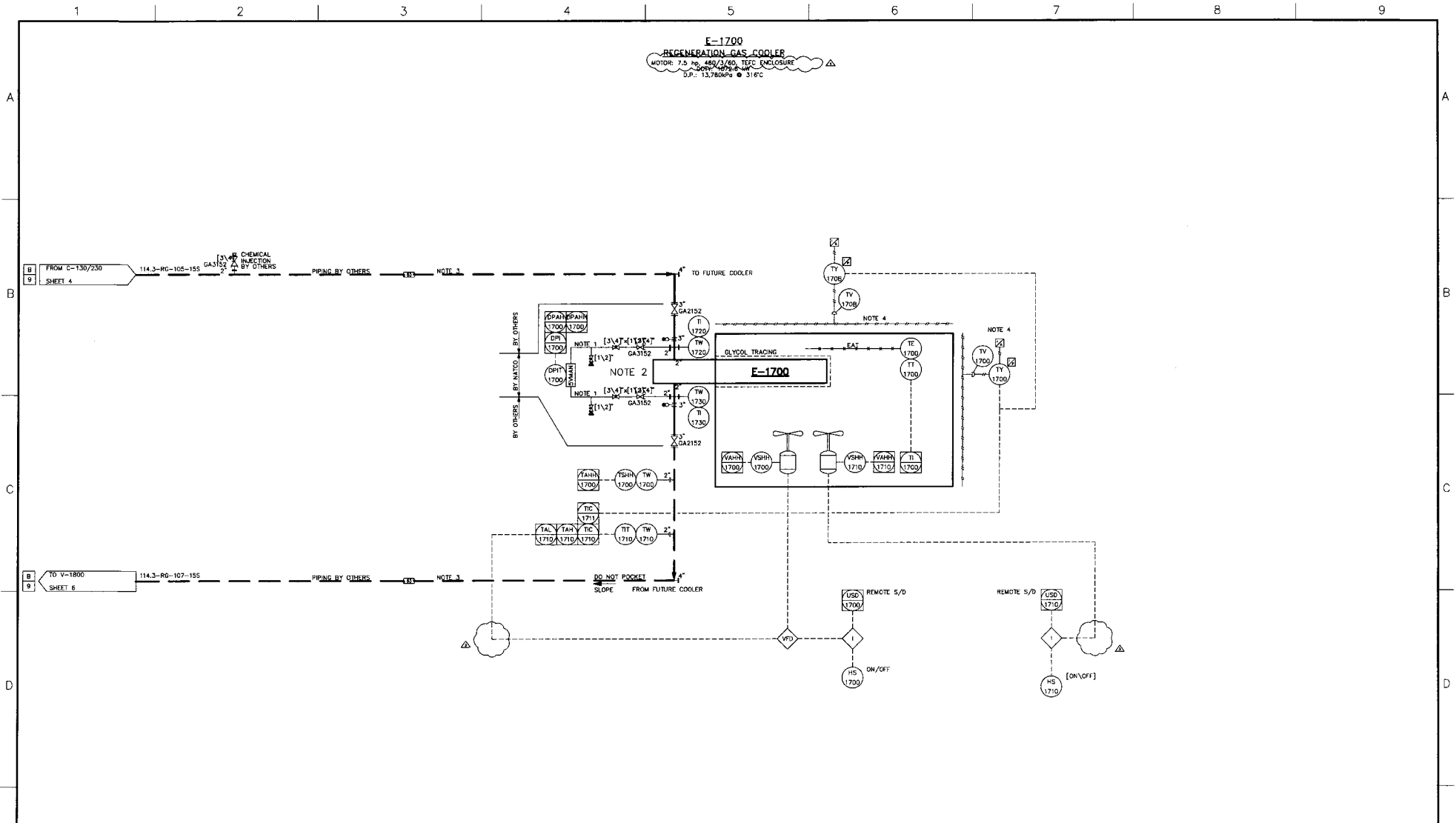












Tag	DESCRIPTION	SIZE-RATING	Pipe Spec.	Tag	DESCRIPTION	SIZE-RATING	Pipe Spec.

GENERAL NOTES:

- INSTRUMENT AIR TUBING TO BE (1/2" ID) DIAMETER 0.035" WT. 316SS PROCESS IMPULSE AND DRAIN TUBING TO BE (1/2" ID) DIAMETER 0.040" WT. FITTINGS TO BE 316SS SWAGELOK (CW) SS FERRULES.
- TOP INLET, BOTTOM OUTLET, NO TRAPS.
- INDICATES SUPPLIED BY OTHERS. NATCO WILL SUPPLY INSTRUMENTATION AS SHIPPED LOOSE ITEMS ON INTERCONNECTING PIPE.
- ENCLOSE UNKAGE ON COOLER LOUVERS TO PREVENT ICE BUILD UP.

REV	DATE	REV	CHKD	APP'D	DESCRIPTION
4	04/04/05	JL			REVISED AS PER CUSTOMER REQUEST
3	03/24/05	JL			REVISED AS NOTED
2	03/16/05	CES	RM		REVISED INSULATION
1	02/04/05	JL	CES	RM	REVISED AS PER CUSTOMER REQUEST
0	01/14/05	JL	CES	RM	ISSUED FOR CONSTRUCTION
C	11/25/04	JL			REVISED PER CLIENT COMMENTS

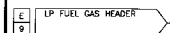
This drawing is the property of NATCO CANADA Ltd. and is loaned to the recipient for his confidential use only. In consideration of the loan of this drawing, the recipient promises and agrees that it shall not be used in any way detrimental to the interests of NATCO CANADA Ltd. and that it shall be returned 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 Ltd.

NATCO CANADA		ALBERTA		CANADA	
PROCESS AND MECHANICAL FLOWSHEETS FOR REGENERATION GAS COOLER					
CONOCOPHILLIPS					
LOCATION		SHERMAN		DATE: 11/02/04	
COC: 827-10		6-5-02-12 WGM		SCALE: N.T.S.	
REV: 1		8267		D-8267-01	
SHEET 7 of 8					

TYPE: SALT BATH HEATER
SIZE: 1981mm O.D. x 8096mm S/S
6.5MMBTU/HR NET DUTY

SIZE: 1981mm O.D. x 8096mm S/S
6.5MMBTU/HR NET DUTY

10-10-2010, 11:11 AM

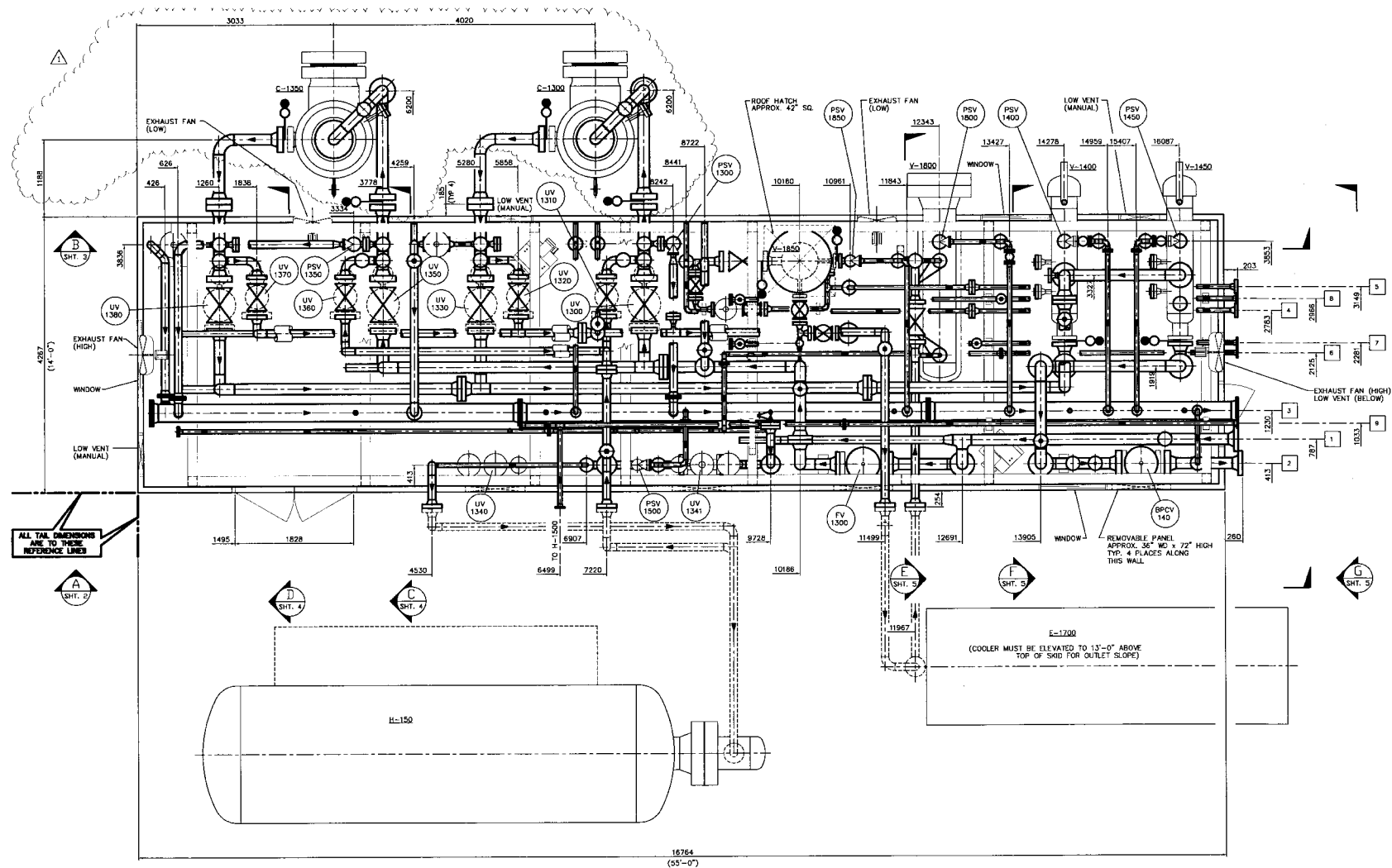


1. ----- INDICATES SUPPLIED BY OTHERS. NATCO WILL SUPPLY INSTRUMENTATION AS SHIPPED LOOSE ITEMS ON INTERCONNECTING PIPE.
2. INSTRUMENT AIR TUBING TO BE $3/8"$ DIAMETER 0.035" WT 316SS PROCESS IMPULSE AND DRAIN TUBING TO BE $1/2"$ DIAMETER 0.049" WT, FITTINGS TO BE 316SS SWAGelok (C/W) SS FERRULES.
3. CSA B149.3 COMPLIANT FUEL GAS SYSTEM.
4. SPEED CONTROL DEVICE.

4	04/04/05	JL			REVISED AS PER CUSTOMER REQUEST
3	03/24/05	JN			REV'D SET PRESSURE TO KPAG; AS NOTED
2	03/16/05	CS	GES	RM	NO CHANGES; ISSUED WITH COMPLETE SET OF P&ID'S
1	02/02/05	JL	CS	RM	REVISED AS PER CUSTOMER REQUEST
	01/14/05	JL	CS	RM	ISSUED FOR CONSTRUCTION
	01/25/04	JL			REVISED PER CLIENT COMMENTS

REV	DATE	REV BY	CHKD BY	APPR BY	DESCRIPTION
REVISIONS					
This drawing is the property of NATCO CANADA Ltd. 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 Ltd., 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 Ltd.					

NATCO CANADA				
CALGARY	ALBERTA	CANADA		
PROCESS AND MECHANICAL FLOWSHEETS FOR REGENERATION GAS HEATER				
CONOCOPHILLIPS				
SHERMAN				
6-3-82-12 WSM				
DATE: 11/02/84	DATE: 11/02/84			
SCALE: N.T.S.	SCALE: N.T.S.			
QUEST. NO. 1	SHOP DESIG. NO. 8267	SMITH NO. 1	SYNCH. NO. D-8267-01	REV. 4
			Sheet 8 of 8	



PLAN VIEW

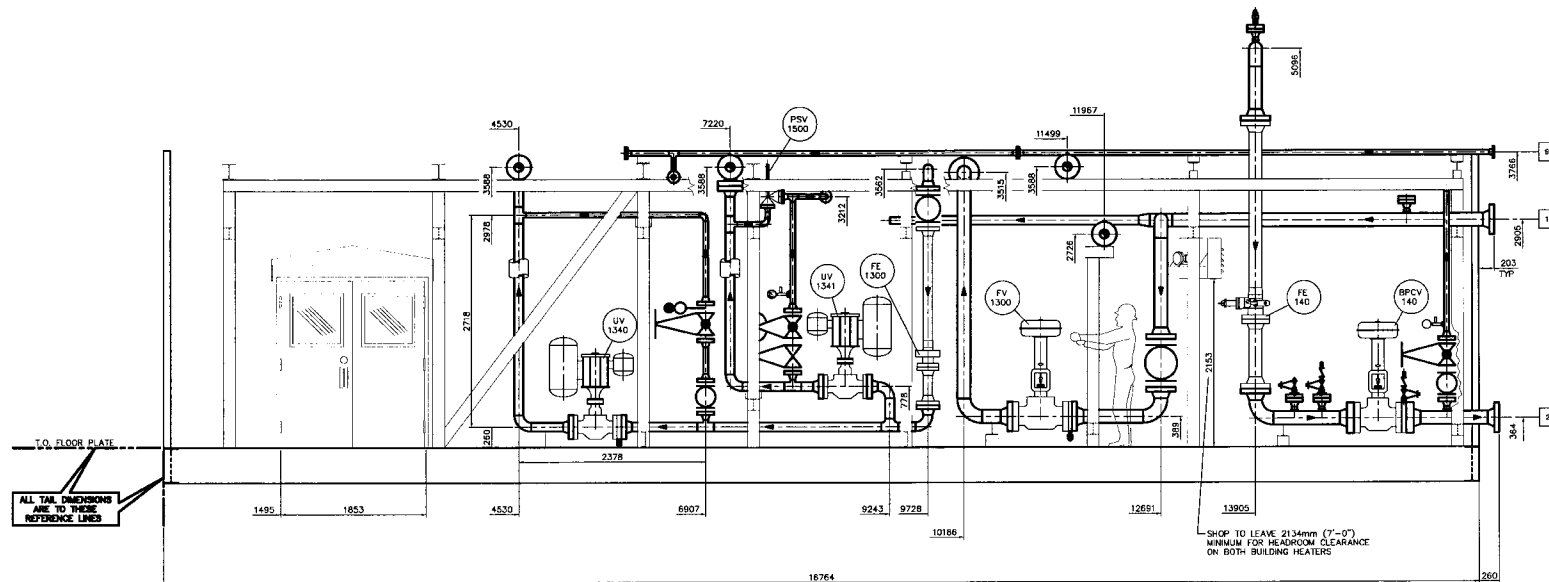
ITEM	DESCRIPTION	SIZE-RATING	TAG	DESCRIPTION	SIZE-RATING
9	FUEL GAS HEADER	2"-150# RF			
8	GLYCOL RETURN HEADER	2"-300# RF			
7	GLYCOL SUPPLY HEADER	2"-300# RF			
6	INSTRUMENT AIR HEADER	2"-150# RF			
5	DRAIN HEADER	2"-800# RF			
4	TO TRUCK STATION	2"-900# RF			
3	FLARE HEADER	10"-150# RF			
2	GAS OUTLET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

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 $\pm 1/4"$ 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/M) WIDTH (FT/M) HEIGHT (FT/M)
OVERALL PACKAGE DIMENSIONS/WEIGHTS	

REV	DATE	REV	DESCRIPTION
1	05/05/05	CES	REVISED TOWER LOCATIONS & ADDED SPEC BLINDS
0	01/10/05	CES	ISSUED FOR CONSTRUCTION
A	11/15/04	CES	ISSUED FOR APPROVAL

NATCO CANADA		CALGARY	ALBERTA	CANADA
FILE: PIPING & EQUIPMENT GENERAL ARRANGEMENT				
MOLE SIEVE				
CUSTOMER: CONOCOPHILLIPS				
LOCATION: FIELD: SHERMAN				
LSD: 6-3-62-12 WSM				
QDET REV. NO.	8267	CONTRACT NO.	1	REV
1		1		1



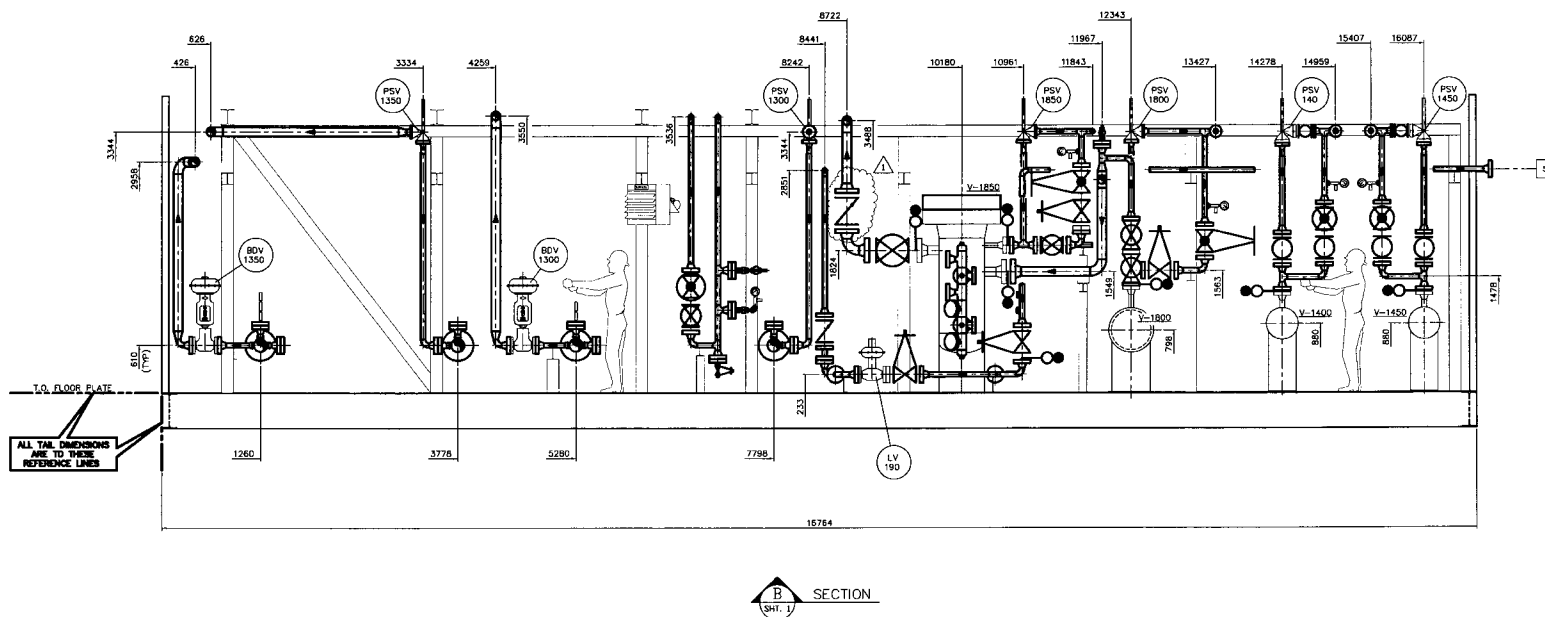
A SECTION
SHT. 1

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 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.																			
<table><tr><td>TOTAL PACKAGE WEIGHT (LBS/Kg):</td><td>X LBS.</td><td>X Kg</td></tr><tr><td>TOTAL SHIPPING WEIGHT (LBS/Kg):</td><td>X LBS.</td><td>X Kg</td></tr><tr><td>OVERALL</td><td></td><td></td></tr><tr><td>SHIPPING</td><td></td><td></td></tr><tr><td>DESCRIPTION</td><td>LENGTH (FT-IN/MM)</td><td>WIDTH (FT-IN/MM)</td><td>HEIGHT (FT-IN/MM)</td></tr></table>				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)	WIDTH (FT-IN/MM)	HEIGHT (FT-IN/MM)
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)	WIDTH (FT-IN/MM)	HEIGHT (FT-IN/MM)																
OVERALL PACKAGE DIMENSIONS/WEIGHTS																			

0	01/10/05	CES	-	-	ISSUED FOR CONSTRUCTION
A	11/15/04	CES	RM	-	ISSUED FOR APPROVAL
REV	DATE	REV	BY	DATE	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.					

NATCO CANADA					
CALGARY	ALBERTA	CANADA			
TITLE	PIPING & EQUIPMENT GENERAL ARRANGEMENT				
	MOLE SIEVE				
CUSTOMER	CONOCOPHILLIPS				
LOCATION	FIELD: SHERMAN				
	LSD: 6-3-62-12 WGM				
DESIGNER: REF. NO.	CONTRACT NO.	DATE	SCALE	DATE	REV
	8287	11/09/04	1:30	11/09/04	0
		1	D-6267-02A	1	0



SECTION
B
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					

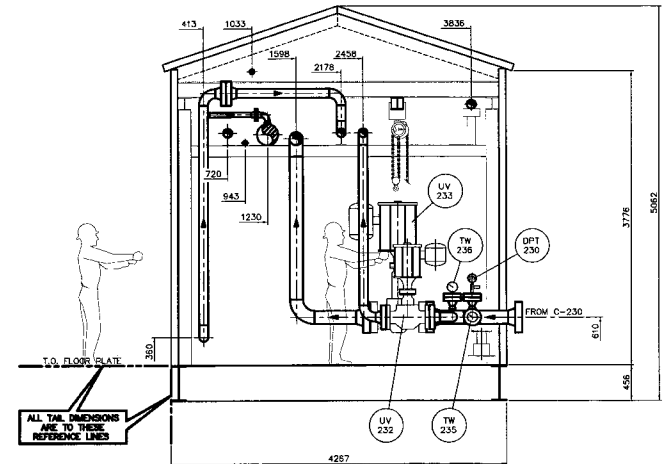
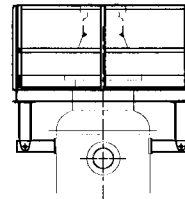
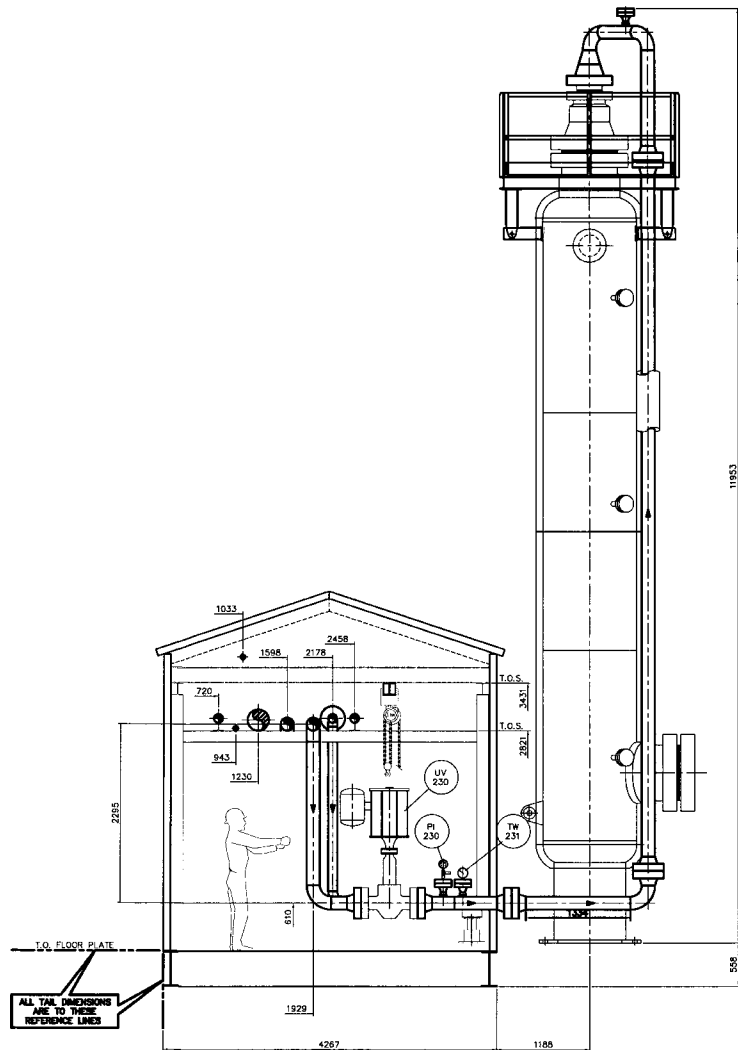
GENERAL NOTES:

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		

0	01/10/05	CES	-	ISSUED FOR CONSTRUCTION
A	11/15/04	CES	RM	ISSUED FOR APPROVAL
REV	DATE	BY	CHKD	APP'D
REVISIONS				
DESCRIPTION				
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.				

CALGARY		ALBERTA	CANADA
TITLE			
PIPING & EQUIPMENT GENERAL ARRANGEMENT			
MOLE SIEVE			
CUSTOMER			
CONOCOPHILLIPS			
LOCATION			
FIELD: SHERMAN			
LSD: 6-3-62-12 WGM			
CUST. REF. NO.	CONTRACT NO.	1	8267
DATE	11/02/04	BY	CURTIS S
CHKD	11/02/04	APP'D	11/02/04
REV	0	REV	0



C SECTION
SHT. 1

D SECTION
SHT. 1

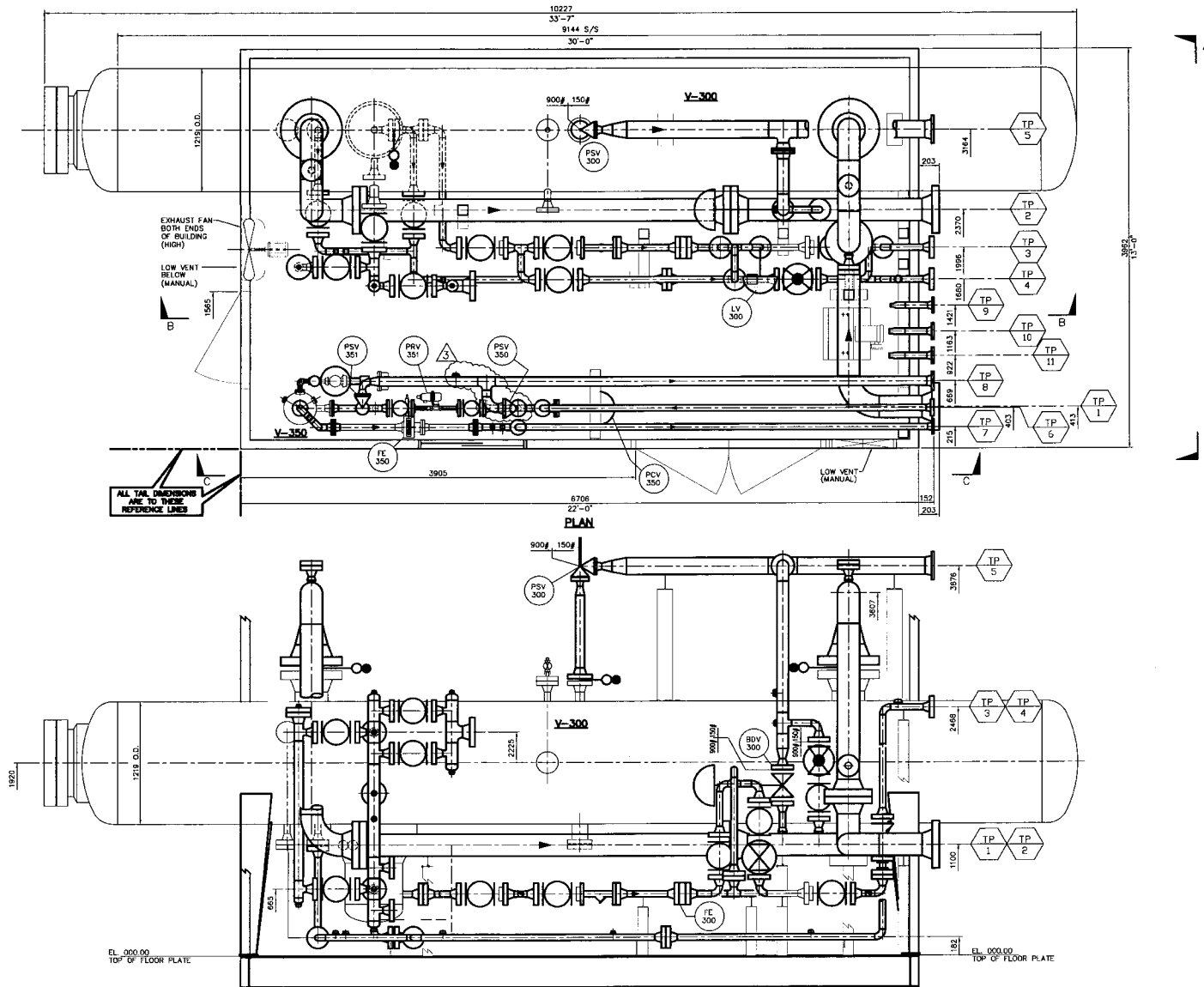
9 FUEL GAS HEADER	2"-150# RF			
8 GLYCOL RETURN HEADER	2"-300# RF			
7 GLYCOL SUPPLY HEADER	2"-300# RF			
6 INSTRUMENT AIR HEADER	2"-150# RF			
5 DRAIN HEADER	2"-900# RF			
4 TO TRUCK STATION	2"-900# RF			
3 FLARE HEADER	10"-150# RF			
2 GAS OUTLET	6"-900# RF			
1 GAS INLET	6"-900# RF			
TAG	DESCRIPTION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

- 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):	X LBS. X Kg
TOTAL SHIPPING WEIGHT (LBS/Kg):	X LBS. X Kg
OVERALL	
SHIPPING	
DESCRIPTION (LBS/Kg)	WIDTH (FT-IN/M)
	HEIGHT (FT-IN/M)

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<u>NATCO CANADA</u>			
CALGARY	ALBERTA	CANADA	
PIPING & EQUIPMENT GENERAL ARRANGEMENT			
MOLE SIEVE			
CONOCOPHILLIPS			
LOCATION:	FIELD: SHERMAN	DATE: 11/02/04	
	LSD: 6-3-82-12 W6M	DESIGNER: CURTIS, S	DRAWN: CURTIS, S
CUST. REF. NO.	CONTRACT NO.	CHECKED BY: D-8267-02A	REV. 0
	8267	SHEET NO. 1	



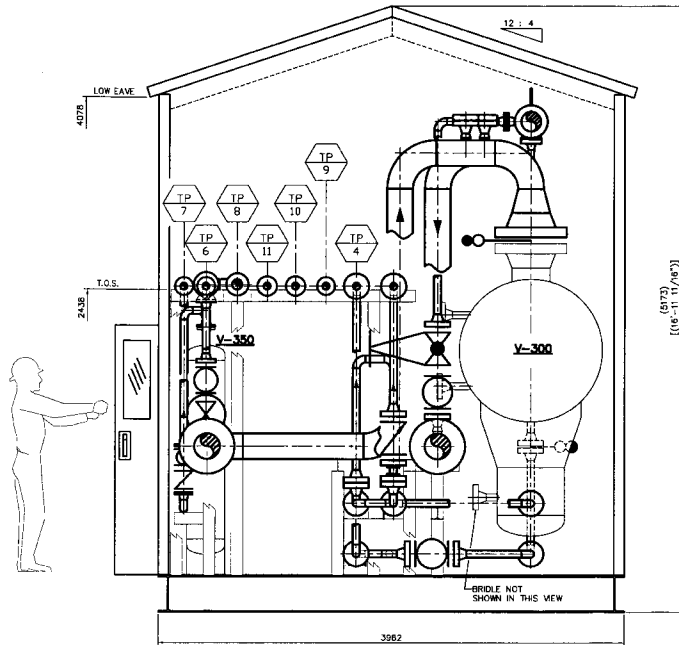
9	INSTRUMENT AIR	2"-150#/RF	3		
8	SWEET PSV	2"-150#/RF			
7	FUEL GAS OUTLET	2"-150#/RF			
6	FUEL GAS INLET	2"-500#/RF			
5	SCUR PSV	8"-150#/RF			
4	DRAIN	2"-900#/RF			
3	WATER OUT	2"-900#/RF			
2	PRODUCTION GAS	8"-900#/RF			
1	INLET	8"-900#/RF			
10	HEAT MED. RETURN	2"-300#/RF	11	HEAT MED. SUPPLY	2"-300#/RF

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 $\pm 1/16"$ OF THE INDICATED DIMENSIONS.
 4. WELD GAP = 2 mm. SHOP TO ADJUST AS REQUIRED.
 5.

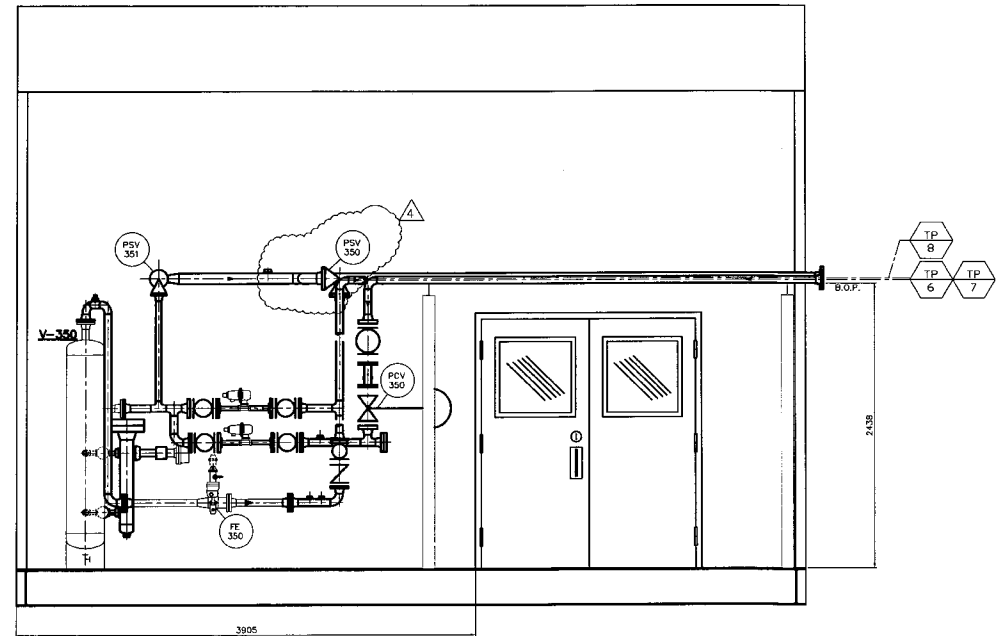
TOTAL PACKAGE WEIGHT (LBS/Kg):		33204 LBS. / 15061 Kg	
TOTAL SHIPPING WEIGHT (LBS/Kg):		33204 LBS. / 15061 Kg	
OVERALL	33'-7"/10227mm	13'-0"/3962mm	17'-0"/5173mm
SHIPPING	33'-7"/10227mm	13'-0"/3962mm	17'-0"/5173mm
DESCRIPTION	LENGTH	WIDTH	HEIGHT

3	03/24/05	EA		REVISED AS NOTED
2	03/14/05	EA	CS	REVISED AS NOTED
1	02/14/05	EA	CS	RM
0	01/07/05	EA	CS	RM
A	11/15/04	EA	CS	RM
ISSUED FOR CONSTRUCTION				
ISSUED FOR APPROVAL				
REVISIONS				
REV	DATE	REV	OWNER	APPROV
THIS DRAWING IS THE PROPERTY OF NATCO CANADA AND IS LOANED TO THE RECIPIENT FOR HIS CONFIDENTIAL USE ONLY. IN CONSIDERATION OF THE LOAN OF THIS DRAWING, THE RECIPIENT AGREES TO SIGN THAT IT SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF NATCO CANADA.				

<u>NATCO CANADA</u>			
CALGARY	ALBERTA	CANADA	
TITLE PIPING LAYOUT FOR			
48" O.D. x 30'-0" S/S INLET SEPARATOR PACKAGE			
CUSTOMER CONOCOPHILLIPS			
LOCATION SHERMAN			
LSD: 6-3-82-12 W6M			
CONTRACT NO.		8267	
SHEET NO.		1	
SHEET OF		3	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
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CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
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REVISIONS		D-8267-028	
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APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
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APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
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REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
BY		J. J. JOY	
CHECKED BY		J. J. JOY	
APPROVED BY		J. J. JOY	
REVISIONS		D-8267-028	
REVISED BY		J. J. JOY	
DATE		12/29/74	
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APPROVED BY			



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.

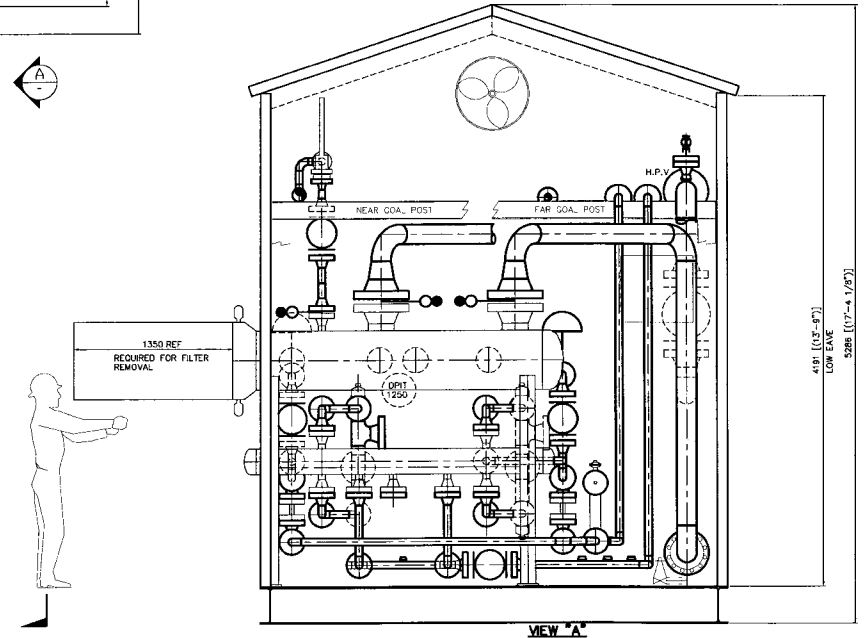
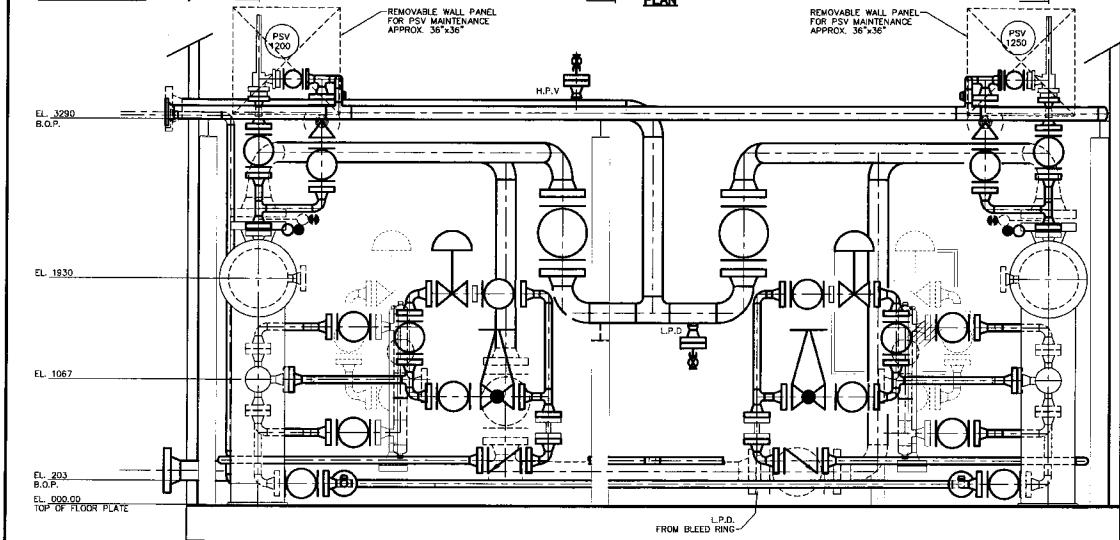
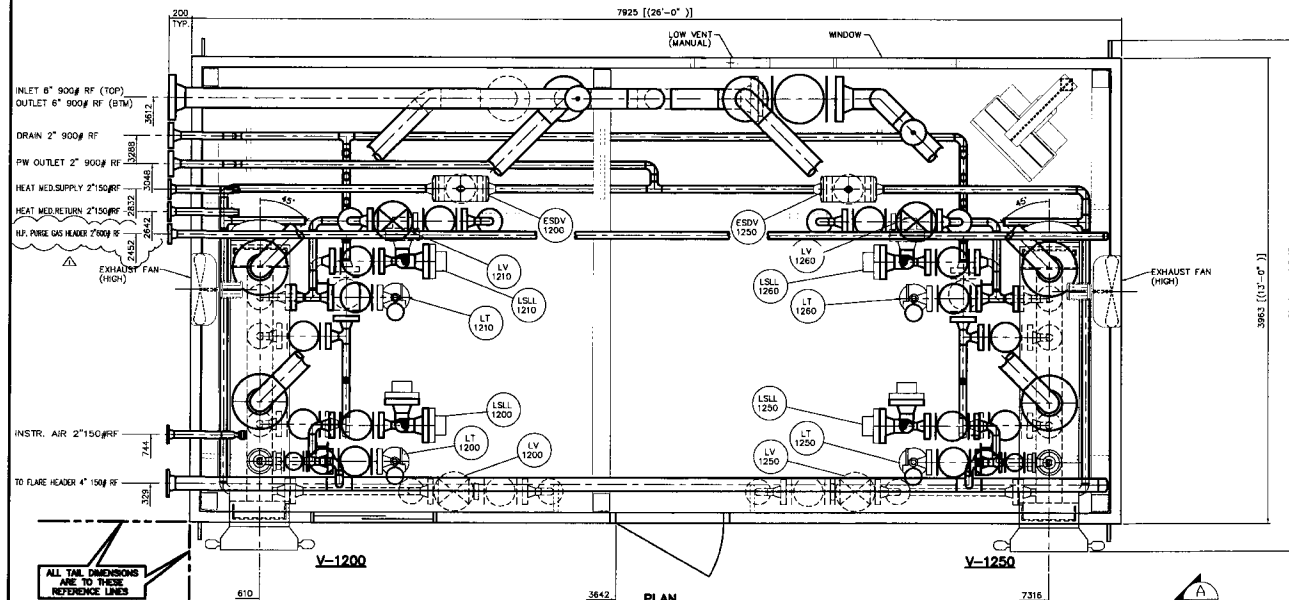
TOTAL PACKAGE WEIGHT (LBS/Kg):		33204 LBS. / 15061 Kg	
TOTAL SHIPPING WEIGHT (LBS/Kg):		33204 LBS. / 15061 Kg	
OVERALL	33'-7"/10227mm	13'-0"/3962mm	17'-0"/5173mm
SHIPPING	33'-7"/10227mm	13'-0"/3962mm	17'-0"/5173mm
DESCRIPTION	LENGTH	WIDTH	HEIGHT

OVERALL PACKAGE DIMENSIONS/WEIGHTS

REV	DATE	REV	DATE	APPROV	DESCRIPTION
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

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.

<u>NATCO CANADA</u>			
CALGARY	ALBERTA	CANADA	
TITLE		PIPING LAYOUT FOR	
		48" O.D. x 30'-0" S/S INLET SEPARATOR PACKAGE	
CUSTOMER		CONOCOPHILLIPS	
LOCATION		SHERMAN	
LSD: 6-3-02-12 W6M			
DESIGNER	ELENA A.	213	11/02/04
REVIEWER	ROD M.	1	1-20
DATE	11/02/04	1	1-20
CONTRACT NO.	8287	1	1-20
PROJECT NO.	D-8287-02B	1	1-20
SHEET NO.	4	1	1-20

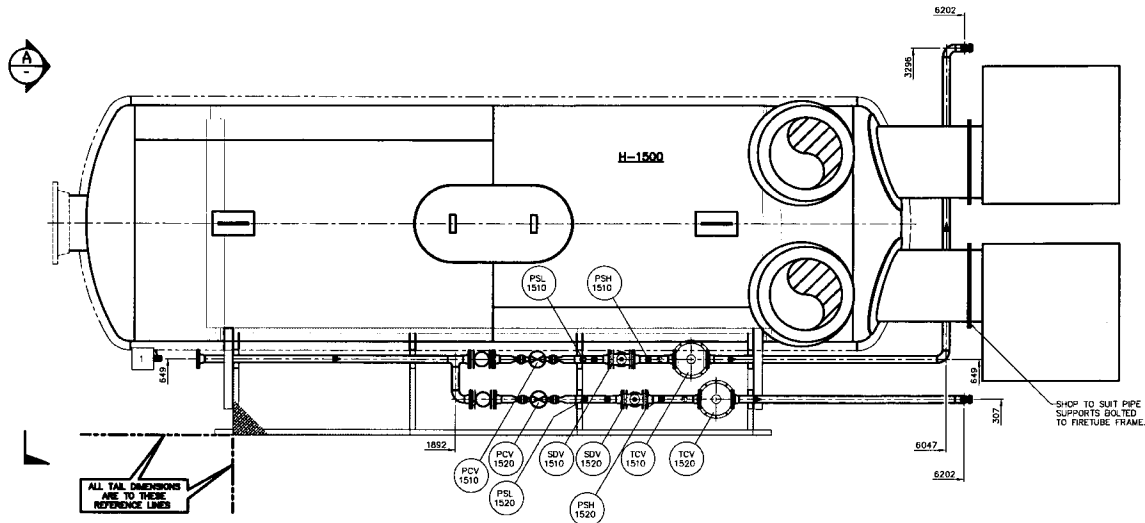


TAC	DESCRIPTION	SIZE-RATING	TAC	DESCRIPTION	SIZE-RATING

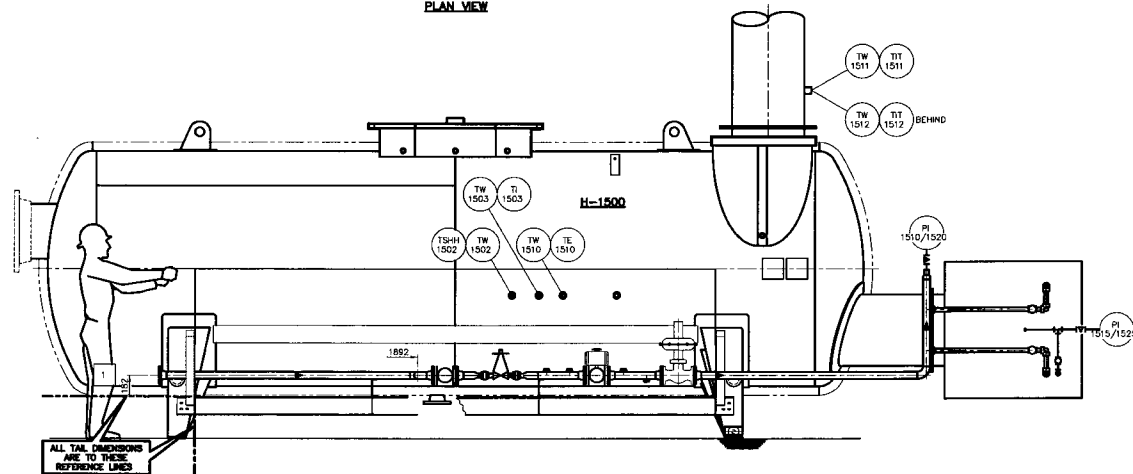
GENERAL NOTES:		
1.	PIPING DESIGNED TO ASME CODE B31.3 2002 EDITION, - ADDENDA.	
2.	UNLESS OTHERWISE INDICATED, SHOP SHALL LOCATE ALL CUSTOMER CONNECTIONS NOT SHOWN ON DRAWING.	
3.	ALL SKID LODGE DIMENSIONS SHALL HAVE A TOLERANCE OF ± [1/4"] OF THE INDICATED DIMENSIONS.	
4.	WELD CAP = 2 mm. SHOP TO ADJUST 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		
DESCRIPTION	LENGTH (FT-IN/MM)	WIDTH (FT-IN/MM)
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	CE/S			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.					

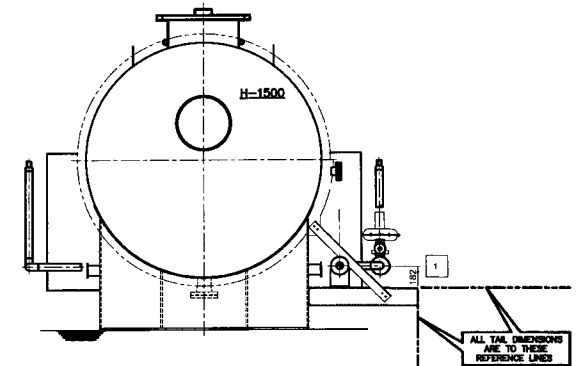
NATCO CANADA			
CALGARY	ALBERTA		CANADA
INLET FILTER COALESCER SKID PACKAGE			
CUSTOMER			
CONOCO PHILLIPS			
LOCATION			
SHERMAN			
LSD: 6-3-62-12 WSM			
DESIGNER: FRANK W.	DATE: 11/09/04	SCALE: 1:20	REV: 1
CHECKED: ROD M.	DATE: 11/09/04	SCALE: 1:20	REV: 1
APPROVED: FRANK W.	DATE: 11/09/04	SCALE: 1:20	REV: 1
PROJECT NO: 8267	CONTRACT NO: 1	REV: 1	REV: 1
D-8267-02C			
SHEET 1 OF 1			



PLAN VIEW



ELEVATION VIEW



SECTION "A"

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

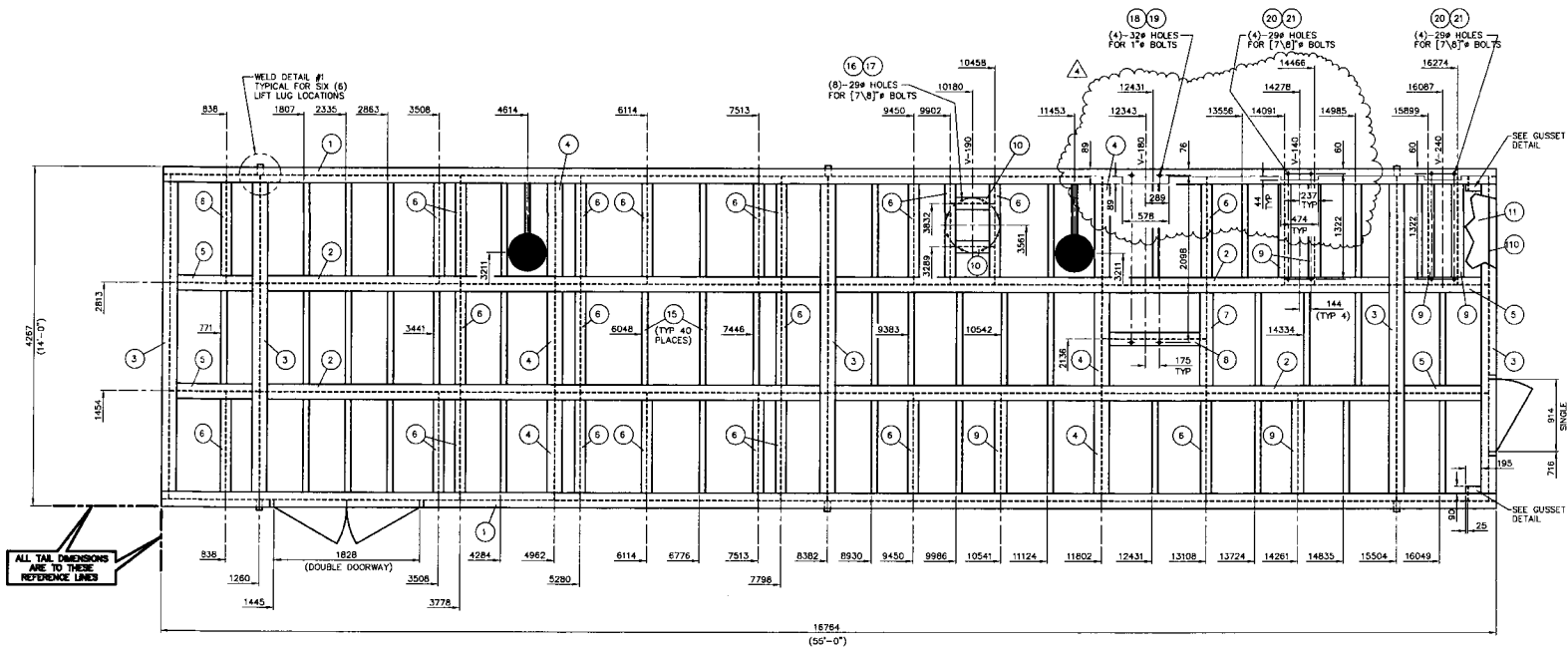
GENERAL NOTES:

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.

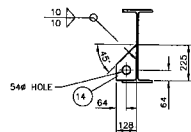
TOTAL PACKAGE WEIGHT (LBS/Kg):		33,500 LBS. 15,227 Kg
TOTAL SHIPPING WEIGHT (LBS/Kg):		33,500 LBS. 15,227 Kg
OVERALL	31'-0"/9448	11'-0"/3353
SHIPPING	31'-0"/9448	11'-0"/3353
DESCRIPTION	LENGTH (FT-IN/AM)	WIDTH (FT-IN/AM)
		HEIGHT (FT-IN/AM)

REV	DATE	REV	DATE	APPROVED	DESCRIPTION
0	04/05/05	JN	-	-	ISSUED FOR CONSTRUCTION
A	03/30/05	JN	-	-	ISSUED FOR APPROVAL
REVISIONS					
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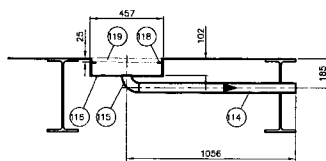
NATCO CANADA		CALGARY	ALBERTA	CANADA
TITLE: PIPING & EQUIPMENT GENERAL ARRANGEMENT				
SALT BATH HEATER				
CUSTOMER: CONOCOPHILLIPS				
LOCATION: FIELD: SHERMAN				
LSD: 6-3-62-12 WSM				
DESIGNER: CURTIS S.	DATE: 03/29/05	SCALE: 1/2"	REV: 0	
DRAWN: BOD. M.	BY: JEBBY N.			
CHECKED: 1	CONTRACT NO: 8267			



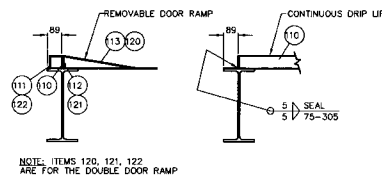
PLAN VIEW



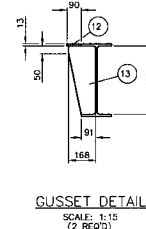
LIFT LUG DETAIL
SCALE: 1:15
(6 REQ'D)



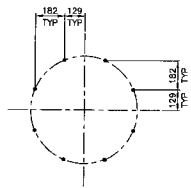
FLOOR DRAIN DETAIL
SCALE: 1:15
(2 REQ'D)



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

FULL SIZE CONNECTION	FULL SIZE CONNECTION	FULL SIZE CONNECTION	REDUCED CONNECTION	FLOOR SUPPORT FULL COPE	FLOOR SUPPORT NO COPE	FLOOR PLATE TO SKID CONNECTION	FLOOR PLATE SEAMS	TYPICAL BOLTING	
1	2	3	4	5	6	7	8	9	10
LIFT LUG LOCATIONS ONLY									

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		SHOP CUT TO SUIT	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 3.0000" 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" XI SM S	980 SA1068
117	2		THREAD 2" NPT ONE END (SHOP CUT TO SUIT)	
118	2		ELL WELD 2" XI LR 90	SA234WPB
119	2		PLATE 0.2500" THICK NORM	437 x 437 SA36/44V
120	1		RING CUT TO 437 OD x 60 ID	
121	1		PIPE 18.000" x 0.250" WALL	102 SA53B
122	1		PLATE 0.2500" THICK NORM	437 x 437 SA36/44V
123	1		CUT TO 437 DIA GALVANIZED	
124	1		GRATING TYPE 15-4 1.00" x 3/16" 450 x 450	
125	1		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.

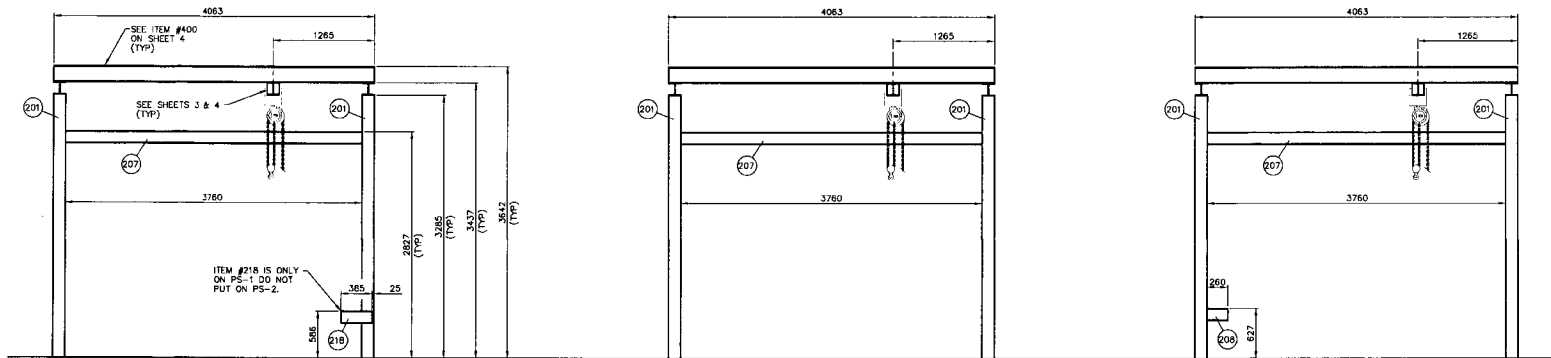
SKID WEIGHT	
WEIGHT OF STEEL (LBS/Kg)	40375 LBS / 18302 Kg
WEIGHT OF BUILDING (LBS/Kg)	9270 LBS / 4214 Kg
TOTAL WEIGHT (LBS/Kg)	49645 LBS / 22566 Kg

REV	DATE	BY	CHKD	APPD	DESCRIPTION
4	12/20/04	GES			ADDED DRIP LIP DIMENSIONS FOR AROUND SADDLES
3	12/10/04	GES			ADDED LIFT LUG BOLT HOLE SIZE
2	12/07/04	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

THIS DRAWING IS THE PROPERTY OF NATCO CANADA AND IS TO BE USED ONLY FOR THE PROJECT AND FOR THE CONDITIONS AND ONLY IN CONFORMANCE WITH THE TERMS OF THIS AGREEMENT. THE USER SHALL BE RESPONSIBLE FOR THE PROTECTION AND SECURITY OF THIS DRAWING. IT SHALL NOT BE LOANED, REPRODUCED, COPIED, OR IN ANY MANNER DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN APPROVAL OF NATCO CANADA.

NATCO CANADA

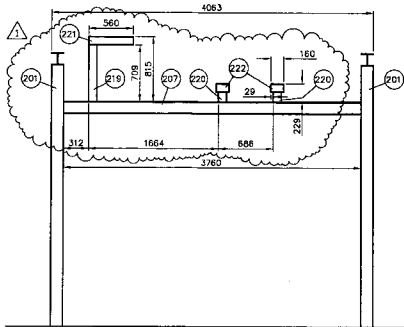
CALGARY	ALBERTA	CANADA
STRUCTURAL STEEL LAYOUT		
MOLE SEVE		
CONOCOPHILLIPS		
LOCATION	FIELD: SHERMAN	DATE: 11/18/04
DESIGNER: M. L. S.	DATE: 6-3-02-12 W6M	BY: CURTIS S.
CONTRACT NO.	8267	REV: 4
DATE: 11/18/04	1	1



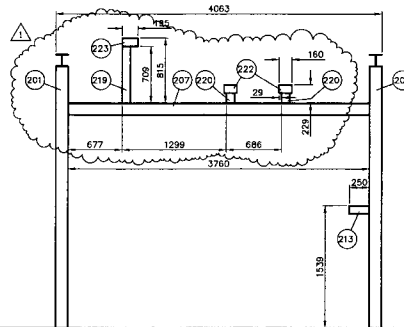
PS-1, PS-2
(2 REQ'D)
(LOOKING WEST)

PS-3
(1 REQ'D)
(LOOKING WEST)

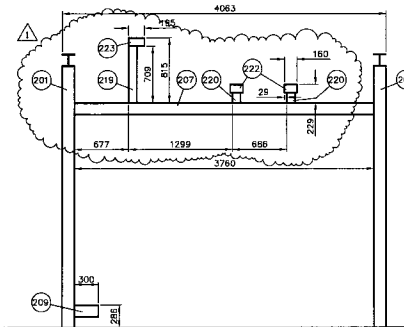
PS-4
(1 REQ'D)
(LOOKING WEST)



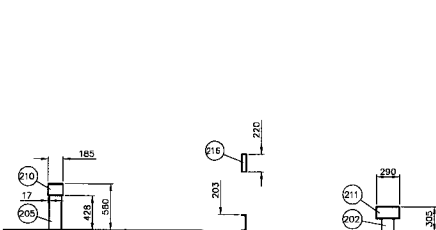
PS-5
(1 REQ'D)
(LOOKING WEST)



PS-6
(1 REQ'D)
(LOOKING WEST)



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



PS-8
(1 REQ'D)

PS-9, PS-10
(2 REQ'D)

PS-11
(1 REQ'D)

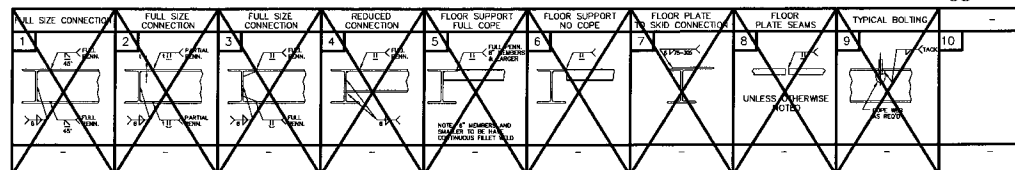
PS-12, PS-13
(2 REQ'D)

PS-14
(1 REQ'D)

PS-15
(1 REQ'D)

PS-16
(1 REQ'D)

PS-17
(1 REQ'D)



MATERIAL LIST

ITEM	QTY	PART/COMP. No.	DESCRIPTION	MATERIAL
201	14	11426400	HSS 6" X 6" X 1/4" THK	3285 SA350/44W
202	1	11426400	HSS 6" X 6" X 1/4" THK	153 SA350/44W
203	1	11426400	HSS 6" X 6" X 1/4" THK	2423 SA350/44W
204	1	11426400	HSS 6" X 6" X 1/4" THK	128 SA350/44W
205	1	11426400	HSS 6" X 6" X 1/4" THK	428 SA350/44W
206	1	783904008	HSS 4" X 4" X 0.2500" THK	1758 G40E150W
207	7	22510147	WIDE FLANGE 6.00" # 15#	3760 G40E150W
208	1	22510147	WIDE FLANGE 6.00" # 15#	260 G40E150W
209	2	22510147	WIDE FLANGE 6.00" # 15#	300 G40E150W
210	1	22510147	WIDE FLANGE 6.00" # 15#	185 G40E150W
211	2	22510147	WIDE FLANGE 6.00" # 15#	290 G40E150W
212	1	22510147	WIDE FLANGE 6.00" # 15#	360 G40E150W
213	1	22510107	WIDE FLANGE 4.00" # 13#	290 G40E150W
214	1	22510107	WIDE FLANGE 4.00" # 13#	330 G40E150W
215	1	22510107	WIDE FLANGE 4.00" # 13#	240 G40E150W
216	2	CHANNEL 8.00" # 11.5#	220 G40E144W	
217	2	CHANNEL 8.00" # 11.5#	180 G40E144W	
218	1	CHANNEL 6.00" # 8.2#	385 G40E144W	
219	3	783904008	HSS 4" X 4" X 0.2500" THK	709 G40E150W
220	6	783904008	HSS 4" X 4" X 0.2500" THK	123 G40E150W
221	1	22510107	WIDE FLANGE 4.00" # 13#	560 G40E150W
222	6	22510107	WIDE FLANGE 4.00" # 13#	160 G40E150W
223	2	22510107	WIDE FLANGE 4.00" # 13#	195 G40E150W
224	1	783904008	HSS 4" X 4" X 0.2500" THK	472 G40E150W
225	1	22510107	CHANNEL 4.00" # 5.4#	180 G40E150W
226	1	-	PLATE 0.25" 102 X 102	SA36

- 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 PAIRING SCHEDULE 8267-90.
- SEE INSULATION SCHEDULE 8267-92.
- INSULATE UNDERSIDE OF SKID WITH 3" FIRE RETARDANT SPRAY ON FOAM INSULATION.

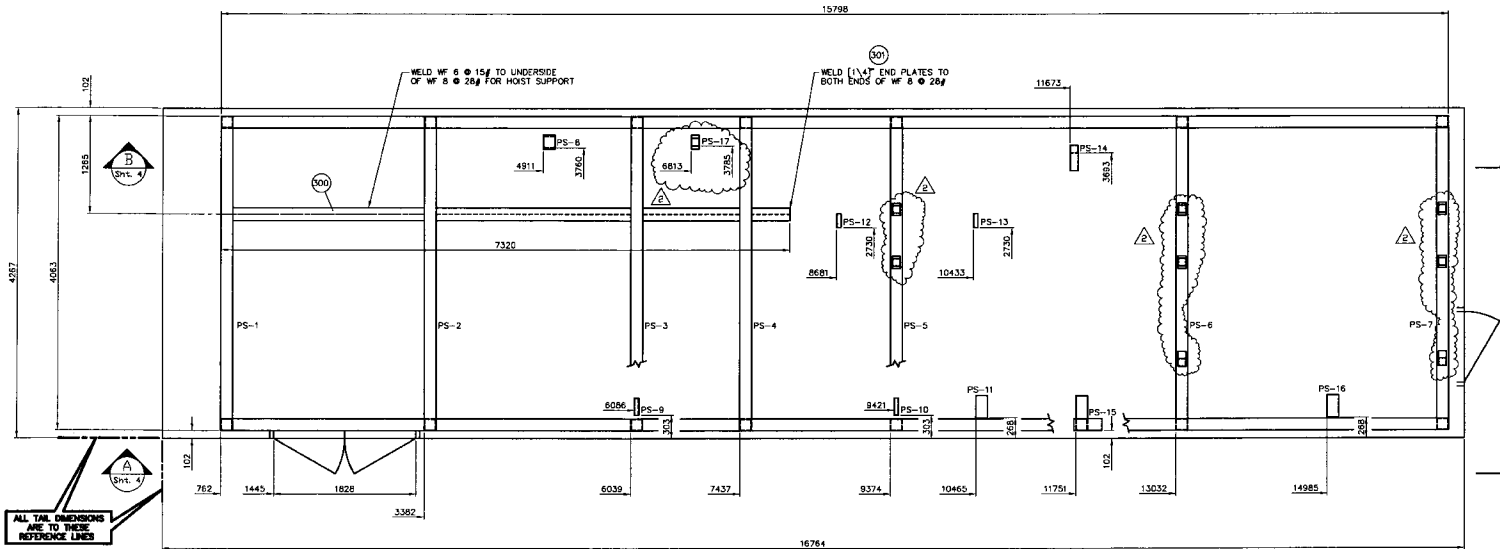
SKID WEIGHT	
WEIGHT OF STEEL (LBS/Kg)	4850 LBS / 2205 Kg
WEIGHT OF BUILDING (LBS/Kg)	3.5 LBS/Sq FT
TOTAL WEIGHT (LBS/Kg)	4850 LBS / 2205 Kg

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
1	12/16/04	GES	SI	RM	REVISED PIPE SUPPORTS 5, 6, & 7, & ADDED PS-17
2	12/07/04	GES	SI	RM	ISSUED FOR CONSTRUCTION

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NATCO CANADA

CALGARY	ALBERTA	CANADA
PIPE SUPPORT DETAILS		
MOLE SIEVE		
CONOCOPHILLIPS		
LOCATION	FIELD: SHERMAN	DATE: 11/16/04
DESIGN NO.	LSD: 6-3-02-12 W6M	DESIGNER: CURTIS S.
REV	8267	CHKD: BOO M.
CONTRACT NO.	1	DATE: 11/16/04
CONTRACT NO.	1	DATE: 11/16/04



FULL SIZE CONNECTION		FULL SIZE CONNECTION		FULL SIZE CONNECTION		REDUCED CONNECTION		FLOOR SUPPORT FULL COPE		FLOOR SUPPORT NO COPE		FLOOR PLATE TO SKID CONNECTION		FLOOR PLATE BEAMS		TYPICAL BOLTING					
1		2		3		4		5		6		7		8		9					

[illegible]

- [illegible]

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CITY OF CALGARY
ALBERTA
CANADA

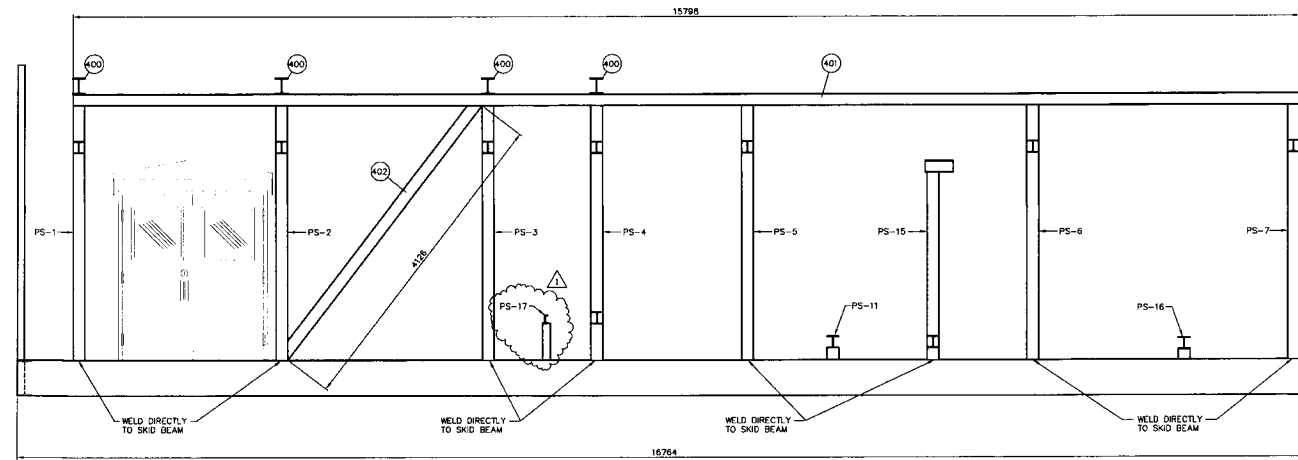
MOLE SIEVE

LOCATION	FIELD: SHERMAN	INVESTIGATOR: CURTIS S	UNIT: 149	DATE: 11/18/04
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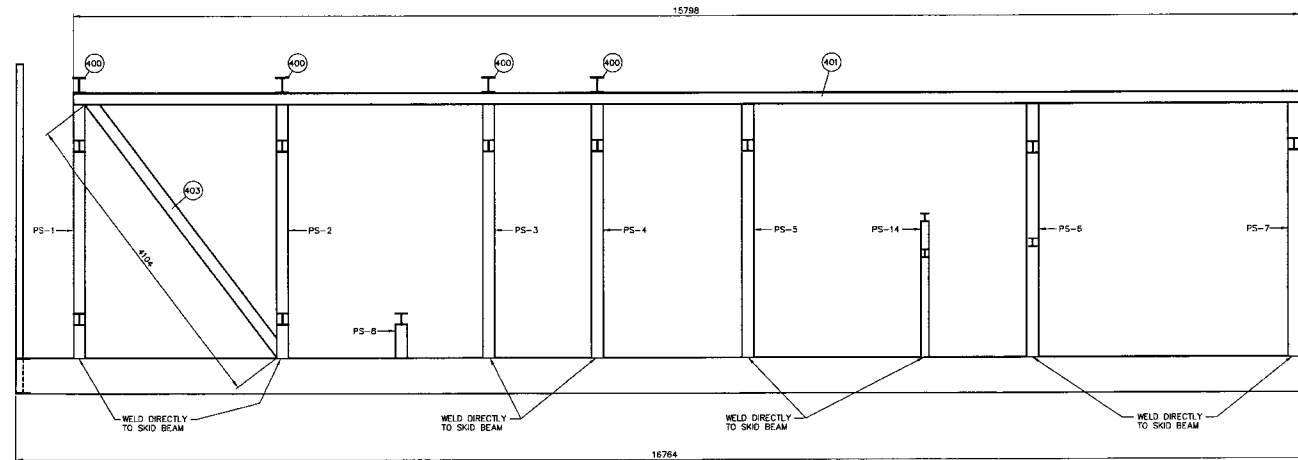
LSD: 6-3-62-12 WSM	PROD. BY: ROD M	DRAWN BY: CURTIS S	SCALE: 1:30
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CUST. REF. NO.	CONTRACT NO.	UNITS REQ.	DRAWING NUMBER	REV.
	8287	1	D-8287A-04	2

	0207		PROD. CODE	SHT. 3 OF 4	
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SECTION
A
(SHT. 3)



SECTION
B
(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 ACCORDANCE WITH AISC 360-10			UNLESS OTHERWISE NOTED		

MATERIAL LIST

ITEM	QTY	PART/COMP. No.	DESCRIPTION	MATERIAL
400	4		WIDE FLANGE 6.00" x 28#	4063 G40215GV
401	2	22510147	WIDE FLANGE 6.00" x 15# SHOP CUT TO SUIT	16000 G40215GV
402	1	11426400	HSS 6" x 6" x 1/4" THK	4126 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.

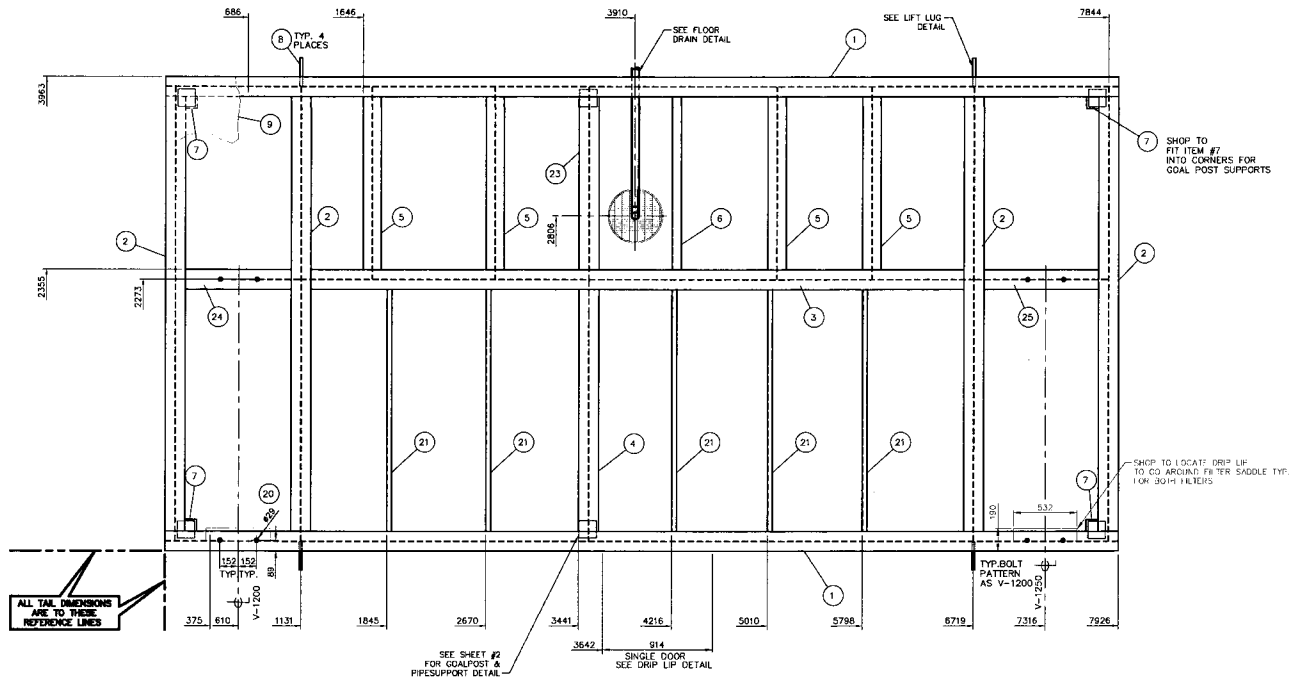
SKID WEIGHT	3615 LBS / 1643 Kg
WEIGHT OF STEEL (LBS/Kg)	3615 LBS / 1643 Kg
WEIGHT OF BUILDING (LBS/Kg) @ 3.5 LBS/Sq.FT	N/A
TOTAL WEIGHT (LBS/Kg)	3615 LBS / 1643 Kg

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
1	12/17/04	CES			ADDED PS-17
0	12/07/04	CES	CES	RM	ISSUED FOR CONSTRUCTION

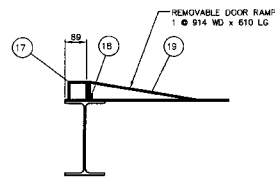
REVISIONS
This drawing is the property of NATCO CANADA and is loaned to the recipient for his confidential use only. In consideration of the loan of this drawing, the recipient promises and agrees that it shall not be used in any way detrimental to the interests of NATCO CANADA, that it shall be returned 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.

NATCO CANADA

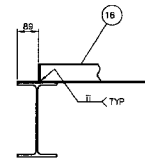
CALGARY	ALBERTA	CANADA
PIPE SUPPORT SECTION VIEWS		
MOLE SIEVE		
CONOCOPHILLIPS		
LOCATION	FIELD: SHERMAN	DATE: 11/18/04
	LSO: 6-3-62-12 WBM	SCALE: 3/4"
COST REF. NO.	CONTRACT NO. 8267	REV 1
		DATE: 11/18/04
		BY: CURTIS S
		CHKD: CURTIS S
		APP'D: CURTIS S
		DATE: 11/18/04



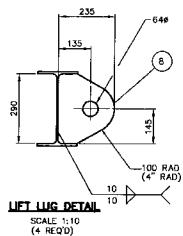
PLAN



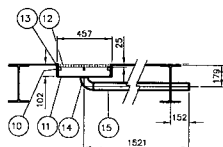
DOOR RAMP DETAIL
SCALE 1:10
(1 SINGLE DOOR REQ'D)



DRIP LIP DETAIL
SCALE 1:10



LIFT LUG DETAIL
SCALE 1:10
(4 REQ'D)



FLOOR DRAIN DETAIL

FULL SIZE CONNECTION	FULL SIZE CONNECTION	FULL SIZE CONNECTION	REDUCED CONNECTION	FLOOR SUPPORT FULL COPE	FLOOR SUPPORT NO COPE	FLOOR PLATE TO SKID CONNECTION	FLOOR PLATE SEAMS	TYPICAL BOLTING	
1	2	3	4	5	6	7	8	9	10
WF12026x12026 MAIN CORNER CONN.	WF12026x12026	-	WF12026x5015	NOTE: IF MEMBER AND SHIPPER TO BE HAVE CONTINUOUS FILET WELD	WF12026x3X3X.25 L	-	-	-	-

MATERIAL LIST

ITEM	QTY	PART/COMP. No.	DESCRIPTION	MATERIAL
1	2	22511517	WIDE FLANGE 12" # 26#	7925 G402150V
2	4	22511517	WIDE FLANGE 12" # 26#	3755 G402150V
3	1	22511517	WIDE FLANGE 12" # 26#	5585 G402150V
4	1	22511517	WIDE FLANGE 12" # 26#	2184 G402150V
5	4	22510147	WIDE FLANGE 6.00" # 15#	1602 G402150V
6	1	22011967	ANGLE 3.00" X 3.00" X 0.250"	1445 SA36/44V
7	4	41810291	PLATE 0.750" THICK NORM	100102 SA51670N
8	4	1	PLATE 1.25" THICK NORM	290x275 SA51670N
9	1	20025100	PLATE CHECKERED 1/4"	7926x3963 MILE STEEL
10	1	13422860	SHIP CUT TO SUIT	102 SA1068
11	1	16002202	PLATE 0.2500" THICK NORM	427x437 SA51670N
12	1	29555374	RING CUT TO 437 OD X 61 ID	435x435 C STEEL
13	4	16002202	PLATE 0.2500" THICK NORM	25x25 SA51670N
14	1	30002809	ELL WELD 2" XH LR 90	SA234WPB
15	1	13021039	PIPE 2.000" XH SMLS	1154 SA1068
16	1	10514620	BAR FLAT 3.000" X 0.250"	23800 SA36/G402144V
17	1	22011967	ANGLE 3.00" X 3.00" X 0.250"	914 SA36/44V
18	1	10512400	BAR FLAT 1.000" X 0.250"	914 SA36/G402144V
19	1	20025100	PLATE CHECKERED 1/4"	914x610 MILE STEEL
20	8	65029314	BOLT HEX 0.875" X 3.5" LG C/V NUT/WASHER	SA325
21	5	22111427	CHANNEL 4" # 5.48	2025 SA36/44V
22	1	22511517	WIDE FLANGE 12" # 26#	1602 G402150V
23	1	22511517	WIDE FLANGE 12" # 26#	1043 G402150V
24	1	22511517	WIDE FLANGE 12" # 26#	1119 G402150V

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

SKID WEIGHT (INCLUDES WEIGHT FROM SHIT#2)

WEIGHT OF STEEL (LBS/Kg)	10430 LBS / 4731 Kg
WEIGHT OF BUILDING (LBS/Kg)	5005 LBS / 2270 Kg
TOTAL WEIGHT (LBS/Kg)	15604 LBS / 7078 Kg

1	01/20/05	CES	TOOK HOLD OFF LIFT LUG & CHANGED LUG THICKNESS TO 1.25"
0	01/07/05	EA	ISSUED FOR CONSTRUCTION
A	12/20/04	FW	ISSUED FOR APPROVAL

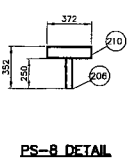
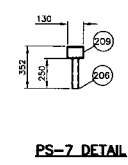
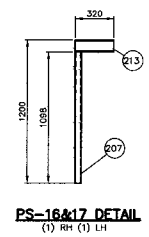
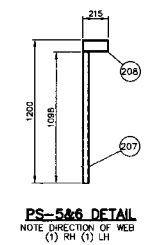
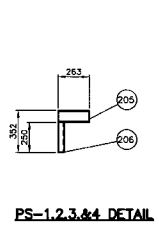
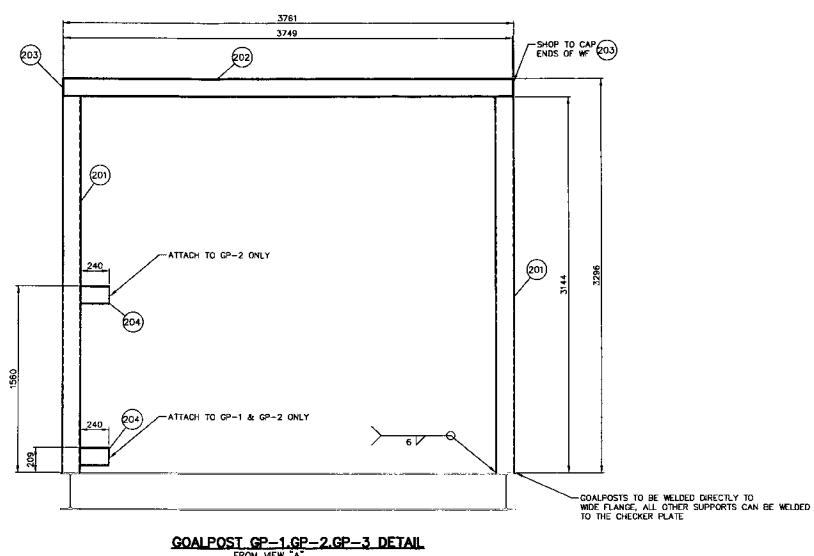
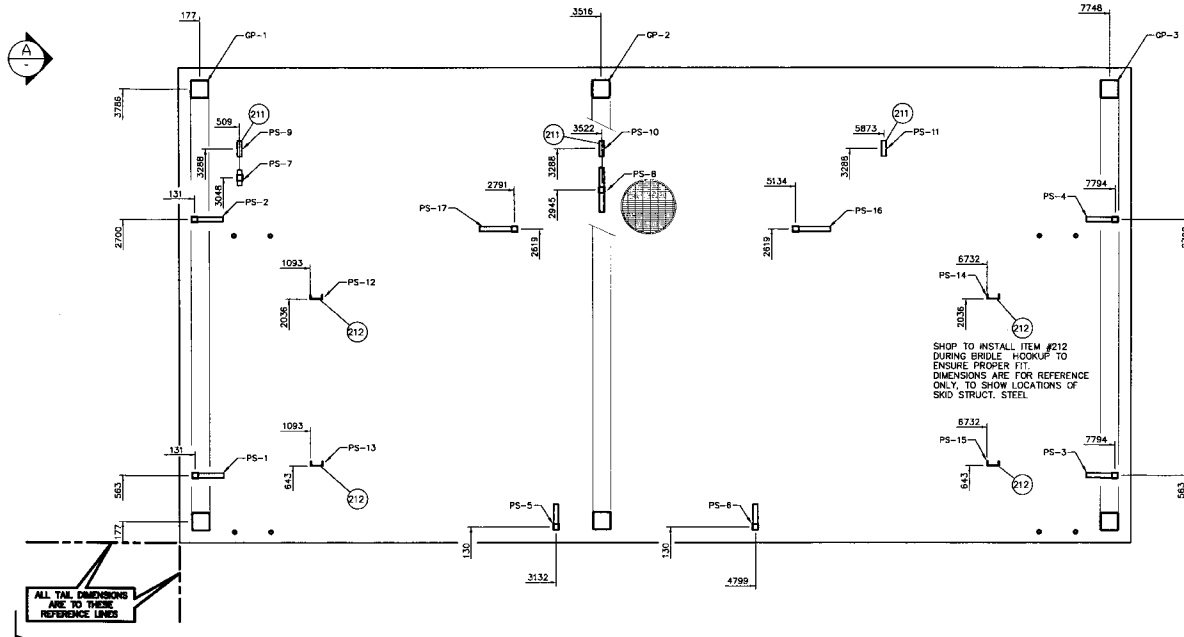
REV	DATE	BY	CHKD	APP'D	DESCRIPTION
1	01/20/05	CES			TOOK HOLD OFF LIFT LUG & CHANGED LUG THICKNESS TO 1.25"

REVISIONS

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NATCO CANADA

CALGARY	ALBERTA	CANADA
STRUCTURAL SKID FOR INLET FILTER COALESCEUR PACKAGE		
CONOCO PHILLIPS		
LOCATION	SHERMAN	DATE 12/27/04
DESIGN NO.	LSD: 6-3-62-12 WBM	REV. 1: 20
CONTRACT NO.	8267	REV. 2: 20
DATE	12/27/04	REV. 3: 20



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 G4021.50W
203	6	16082901	PLATE 0.250" THK	158K152 SA36/40.21-44W
204	3	82510147	WIDE FLANGE 6.00" # 15W	242 G4021.50W
205	4	22111427	CHANNEL 4.00" # 5.4#	263 G4021.44V
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 G4021.44V
209	1	22111427	CHANNEL 4.00" # 5.4#	130 G4021.44V
210	1	22111427	CHANNEL 4.00" # 5.4#	372 G4021.44V
211	3	22111427	CHANNEL 4.00" # 5.4#	130 G4021.44V
212	4	22111427	CHANNEL 4.00" # 5.4#	1625 G4021.44V
213	2	22111427	CHANNEL 4.00" # 5.4#	320 G4021.44V

1. ALL FILLET WELDS TO BE 1/4" UNLESS OTHERWISE NOTED.

REVISIONS

REV	DATE	BY	CHKD	APPD	DESCRIPTION
0	01/07/05	EA			ISSUED FOR CONSTRUCTION
A	12/20/04	FW	CS	RM	ISSUED FOR APPROVAL

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NATCO CANADA

CALGARY ALBERTA CANADA

PIPE SUPPORTS FOR INLET FILTER COALESCEER PACKAGE

CUSTOMER: CONOCO PHILLIPS

LOCATION: SHERMAN

DESIGN: 6-3-62-12 WSM

DATE: 12/20/04

BY: FRANK W. ROO M

CHKD: 1

APPD: 8267

PROJECT: D-8267-04-C

SHEET: 2 OF 2