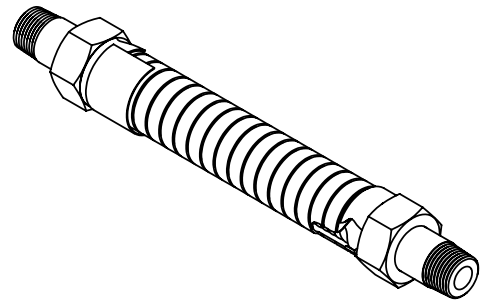
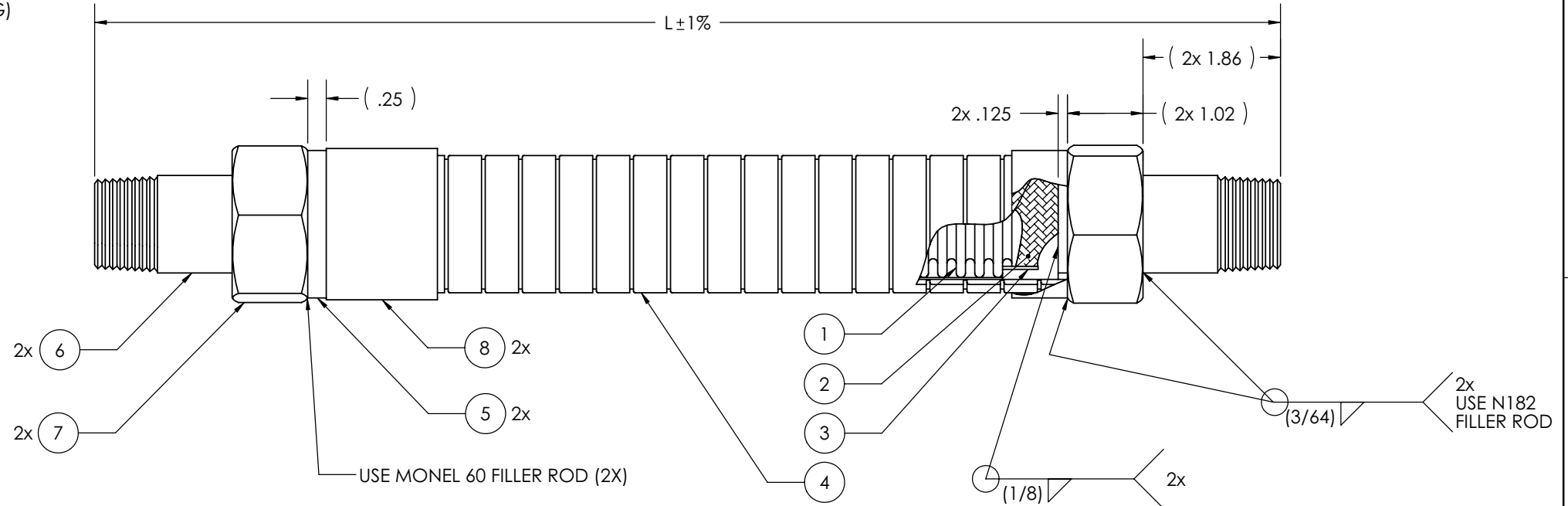


**NOTES: UNLESS OTHERWISE SPECIFIED**

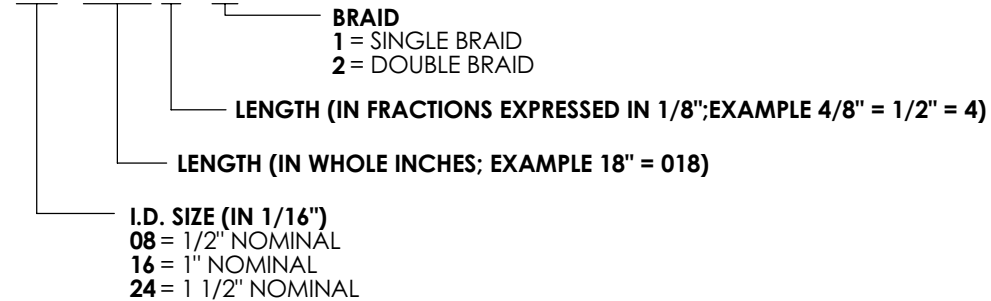
- WELD PER DELAFIELD SPEC, DS013 CLASS 1 (WELD PER ASME SECTION IX)
- MINIMUM DESIGN PRESSURE 375 PSIG @ 70 °F (MINIMUM BURST PRESSURE 1875 PSIG)
- MANUFACTURED AND TESTED IN ACCORDANCE WITH THE CHLORINE INSTITUTE RECOMMENDATIONS PER PAMPHLET 6 - APPENDIX A, LATEST EDITION, PER DELAFIELD STANDARD OPERATING PROCEDURE
- POLISH & SEAL ENDS WITH PLASTIC CAPS
- PERMANENTLY TAGGED WITH THE FOLLOWING:  
 DELAFIELD CORP. D2150 - O - XX - XXXX - X  
 DATE OF MFG: \_\_\_/\_\_\_/\_\_\_  
 SN: XXXXXX - XXX  
 MAXIMUM W.P.: 375 PSIG  
 MINIMUM BEND RADIUS \_\_\_\_\_  
 NITROGEN PRESSURE TEST 750 PSIG FOR 2 MIN.  
 MINIMUM SERVICE TEMP.: -350 °F  
 (CHLORINE PER C.I. PAM. 6)
- MINIMUM (WORKING) BEND RADIUS:  
 1/2" HOSE = 10"  
 1" HOSE = 11"  
 1 1/2" HOSE = 12"
- TESTING:  
 A. EACH HOSE ASSEMBLY SHALL BE TESTED AT TWO (2) TIMES THE MAX W.P. (2X 375 PSIG = 750 PSIG) USING DRY NITROGEN GAS  
 B. EACH HOSE ASSEMBLY SHALL BE HELIUM MASS SPECTROMETER TESTED TO A LEAK RATE OF 5 X 10-6 STD CC/SEC
- MATERIAL & TEST CERTIFICATION REQUIRED
- REPRESENTATIVE SAMPLES ARE TO BE BURST TESTED PER C.I. PAMPHLET 6, APPENDIX A, LATEST EDITION, AND SHALL NOT FAIL AT A PRESSURE LESS THAN FIVE TIMES THE MAWP. RESULTS ARE TO BE KEPT ON FILE WITH THE QUALITY DEPARTMENT

REVISION			
REV	DESCRIPTION	APPROVED	DATE
C	SEE DCN	C. W. Bensing	Digitally signed by C. W. Bensing DN: cn = C. W. Bensing, c = US, o = Delafield Corp., ou = Engineering Date: 2010.12.22 07:27:56 -0800



1	1	-	-	-	-	D11431-24	C	TAG	304 SS	8	
-	-	1	1	-	-	D11431-16	C	TAG	304 SS	8	
-	-	-	-	1	1	D11431-08	C	TAG	304 SS	8	
2	2	-	-	-	-	D11427-24	B	HEX	T-304 SS	7	
-	-	2	2	-	-	D11427-16	B	HEX	T-304 SS	7	
-	-	-	-	2	2	D11427-08	B	HEX	T-304 SS	7	
2	2	-	-	-	-	FN024S024T-MONL-8	-	NIPPLE,PIPE,NPT,SCH80,1.50"	MONEL 400	6	
-	-	2	2	-	-	FN016S024T-MONL-8	-	NIPPLE, PIPE, 1" X 3", MONEL	MONEL 400	6	
-	-	-	-	2	2	FN008S024T-MONL-8	-	NIPPE,PIPE,1/2" X 3" MONEL	MONEL 400	6	
2	2	2	2	2	2	N/A	N/A	BRAID COLLAR	T-304 SS	5	
1	1	-	-	-	-	LN038UI-304-STD	-	LINER/ARMOR, 2 3/8" UI 304	T-304 SS	4	
-	-	1	1	-	-	1 5/8 IN15SS	HOM	LINER/ARMOR, 1 5/8" ID	T-304 SS	4	
-	-	-	-	1	-	LN016UI-304-STD	-	LINER/ARMOR, 1" UI, 304	T-304 SS	4	
-	-	-	-	-	1	LN014UI-304-STD	-	LINER/ARMOR, 7/8" UI, 304	T-304 SS	4	
2	-	-	-	-	-	D11432-24-2	A	BRAID COLLAR	MONEL 400	3	
-	2	-	-	-	-	D11432-24-1	A	BRAID COLLAR	MONEL 400	3	
-	-	2	-	-	-	D11432-16-2	A	BRAID COLLAR	MONEL 400	3	
-	-	-	2	-	-	D11432-16-1	A	BRAID COLLAR	MONEL 400	3	
-	-	-	-	2	-	D11432-08-2	A	BRAID COLLAR	MONEL 400	3	
-	-	-	-	-	2	D11432-08-1	A	BRAID COLLAR	MONEL 400	3	
2	1	-	-	-	-	024-015-0150	OMF	BRAID, MONEL, 1-1/2"	MONEL 400	2	
-	-	2	1	-	-	016-015	OMF	BRAID, MONEL, 1"	MONEL 400	2	
-	-	-	-	2	1	008-015-0050	OMF	BRAID, MONEL, 1/2"	MONEL 400	2	
1	1	-	-	-	-	024-505A-SP0150	OMF	HOSE, MONEL, 1-1/2"	MONEL 400	1	
-	-	1	1	-	-	016-505A-SP	OMF	HOSE, MONEL, 1"	MONEL 400	1	
-	-	-	-	1	1	008-505A-SPO050				1	
-24 DOUBLE BRAID QTY.	-24 SINGLE BRAID QTY.	-16 DOUBLE BRAID QTY.	-16 SINGLE BRAID QTY.	-8 DOUBLE BRAID QTY.	-8 SINGLE BRAID QTY.	PART NUMBER	REV	LENGTH	DESCRIPTION	MATERIAL	ITEM

**D2150 - O - XX - XXX X - X**



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:  
 .X ± .1  
 .XX ± .03  
 .XXX ± .010  
 ANGULAR TOL ± 3°

FINISH: 125/

DO NOT SCALE DRAWING

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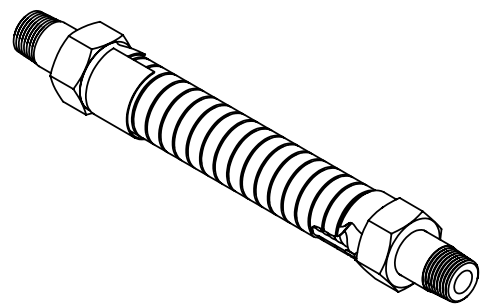
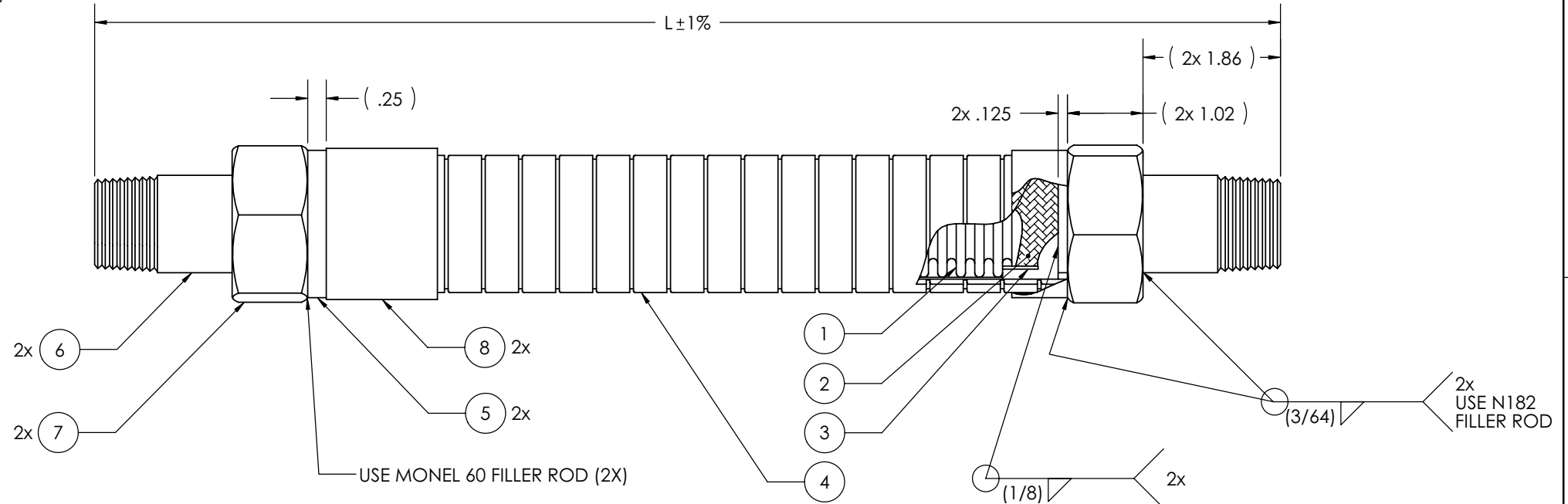
APPROVALS		DATE
DRAWN:	S. MUNOZ	9/30/05
CHECKED:	J. MARTIN	9/30/05
RESP ENG:	J. MARTIN	9/30/05
MFG ENG:		

**DELAFIELD CORPORATION**  
 TITLE: **METAL HOSE ASSEMBLIES, CHLORINE TRANSFER**  
 SIZE: B DWG: **D2150 - O** REV: **C**  
 SCALE: 1:3 SHEET 1 OF 1

**NOTES: UNLESS OTHERWISE SPECIFIED**

1. WELD PER DELAFIELD SPEC, DS013 CLASS 1 (WELD PER ASME SECTION IX)
2. MINIMUM DESIGN PRESSURE 375 PSIG @ 70 °F (MINIMUM BURST PRESSURE 1875 PSIG)
3. MANUFACTURED AND TESTED IN ACCORDANCE WITH THE CHLORINE INSTITUTE RECOMMENDATIONS PER PAMPHLET 6 - APPENDIX A, LATEST EDITION. PER DELAFIELD STANDARD OPERATING PROCEDURE
4. POLISH & SEAL ENDS WITH PLASTIC CAPS
5. PERMANENTLY TAGGED WITH THE FOLLOWING:  
 DELAFIELD CORP. D2150 - P - XX - XXXX - X  
 DATE OF MFG: \_\_\_ / \_\_\_ / \_\_\_  
 SN: XXXXXX - XXX  
 MAXIMUM W.P.: 375 PSIG  
 MINIMUM BEND RADIUS  
 NITROGEN PRESSURE TEST 750 PSIG FOR 2 MIN.  
 MINIMUM SERVICE TEMP.: -350 °F  
 (CHLORINE PER C.I. PAM. 6)
6. MINIMUM (WORKING) BEND RADIUS:  
 1/2" HOSE = 10"  
 1" HOSE = 11"  
 1 1/2" HOSE = 12"
7. TESTING:  
 A. EACH HOSE ASSEMBLY SHALL BE TESTED AT TWO (2) TIMES THE MAX W.P. (2X 375 PSIG = 750 PSIG) USING DRY NITROGEN GAS  
 B. EACH HOSE ASSEMBLY SHALL BE HELIUM MASS SPECTROMETER TESTED TO A LEAK RATE OF 5 X 10<sup>-6</sup> STD CC/SEC
8. MATERIAL & TEST CERTIFICATION REQUIRED
9. REPRESENTATIVE SAMPLES ARE TO BE BURST TESTED PER C.I. PAMPHLET 6, APPENDIX A, LATEST EDITION. AND SHALL NOT FAIL AT A PRESSURE LESS THAN FIVE TIMES THE MAWP. RESULTS ARE TO BE KEPT ON FILE WITH THE QUALITY DEPARTMENT.

REVISION			
REV	DESCRIPTION	APPROVED	DATE
F	SEE DCN	C. W. Bensing	Digitally signed by C. W. Bensing DN: cn = C. W. Bensing, c = US, o = Delafield Corp., ou = Engineering Date: 2010.12.22 07:28:15 -0500



1	1	-	-	-	-	D11431-24	C	TAG	304 SS	8	
-	-	1	1	-	-	D11431-16	C	TAG	304 SS	8	
-	-	-	-	1	1	D11431-08	C	TAG	304 SS	8	
2	2	-	-	-	-	D11427-24	B	HEX	T-304 SS	7	
-	-	2	2	-	-	D11427-16	B	HEX	T-304 SS	7	
-	-	-	-	2	2	D11427-08	B	HEX	T-304 SS	7	
2	2	-	-	-	-	FN024S024T-MONL-8	-	NIPPLE,PIPE,NPT,SCH80,1.50"	MONEL 400	6	
-	-	2	2	-	-	FN016S024T-MONL-8	-	NIPPLE, PIPE, 1" X 3", MONEL	MONEL 400	6	
-	-	-	-	2	2	FN008S024T-MONL-8	-	NIPPE,PIPE,1/2" X 3" MONEL	MONEL 400	6	
2	2	2	2	2	2	N/A	N/A	BRAID COLLAR	T-304 SS	5	
1	1	-	-	-	-	LN038UI-304-STD	-	LINER/ARMOR, 2 3/8" UI 304	T-304 SS	4	
-	-	1	1	-	-	1 5/8 IN15SS	HOM	LINER/ARMOR, 1 5/8" ID	T-304 SS	4	
-	-	-	-	1	-	LN016UI-304-STD	-	LINER/ARMOR, 1" UI, 304	T-304 SS	4	
-	-	-	-	-	1	LN014UI-304-STD	-	LINER/ARMOR, 7/8" UI, 304	T-304 SS	4	
2	-	-	-	-	-	D11432-24-2	A	BRAID COLLAR	MONEL 400	3	
-	2	-	-	-	-	D11432-24-1	A	BRAID COLLAR	MONEL 400	3	
-	-	2	-	-	-	D11432-16-2	A	BRAID COLLAR	MONEL 400	3	
-	-	-	2	-	-	D11432-16-1	A	BRAID COLLAR	MONEL 400	3	
-	-	-	-	2	-	D11432-08-2	A	BRAID COLLAR	MONEL 400	3	
-	-	-	-	-	2	D11432-08-1	A	BRAID COLLAR	MONEL 400	3	
2	1	-	-	-	-	024-015-0150	PEN	BRAID, MONEL, 1-1/2"	MONEL 400	2	
-	-	2	1	-	-	016-1MB-XH	PEN	BRAID, MONEL, 1", EXTRA HEAVY	MONEL 400	2	
-	-	-	-	2	1	008-1MB	PEN	BRAID, MONEL, 1/2"	MONEL 400	2	
1	1	-	-	-	-	024-PW740	PEN	HOSE, METAL, 1.50, MONEL	MONEL 400	1	
-	-	1	1	-	-	016-PW740	PEN	HOSE, MONEL, 1"	MONEL 400	1	
-	-	-	-	1	1	008-PW740	PEN	HOSE, MONEL, .50"	MONEL 400	1	
-24 DOUBLE BRAID QTY.	-24 SINGLE BRAID QTY.	-16 DOUBLE BRAID QTY.	-16 SINGLE BRAID QTY.	-8 DOUBLE BRAID QTY.	-8 SINGLE BRAID QTY.	PART NUMBER	REV	LENGTH	DESCRIPTION	MATERIAL	ITEM

**D2150 - P - XX - XXX X - X**

**BRAID**  
 1 = SINGLE BRAID  
 2 = DOUBLE BRAID

LENGTH (IN FRACTIONS EXPRESSED IN 1/8"; EXAMPLE 4/8" = 1/2" = 4)

LENGTH (IN WHOLE INCHES; EXAMPLE 18" = 018)

**I.D. SIZE (IN 1/16")**  
 08 = 1/2" NOMINAL  
 16 = 1" NOMINAL  
 24 = 1 1/2" NOMINAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:

.X ± .1  
 .XX ± .03  
 .XXX ± .010  
 ANGULAR TOL ± 3°

FINISH: 125/

DO NOT SCALE DRAWING

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APPROVALS		DATE
DRAWN:	S. MUNOZ	9/30/05
CHECKED:	J. MARTIN	9/30/05
RESP ENG:	J. MARTIN	9/30/05
MFG ENG:		

**DELAFIELD CORPORATION**

TITLE  
**METAL HOSE ASSEMBLIES,  
 CHLORINE TRANSFER**

SIZE DWG  
**D2150 - P** REV  
**F**

SCALE: 1:3 SHEET 1 OF 1