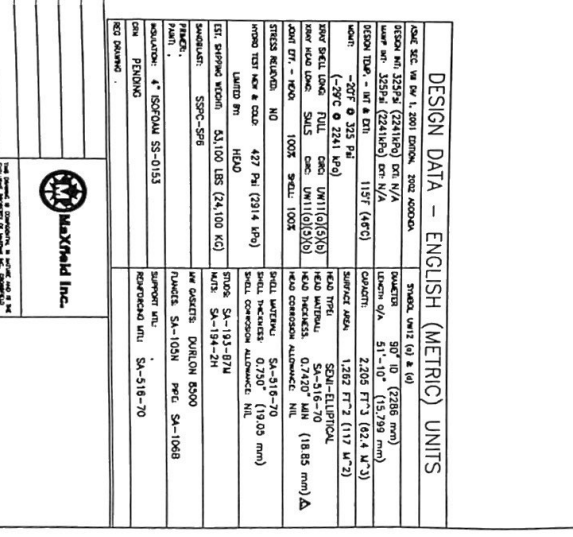
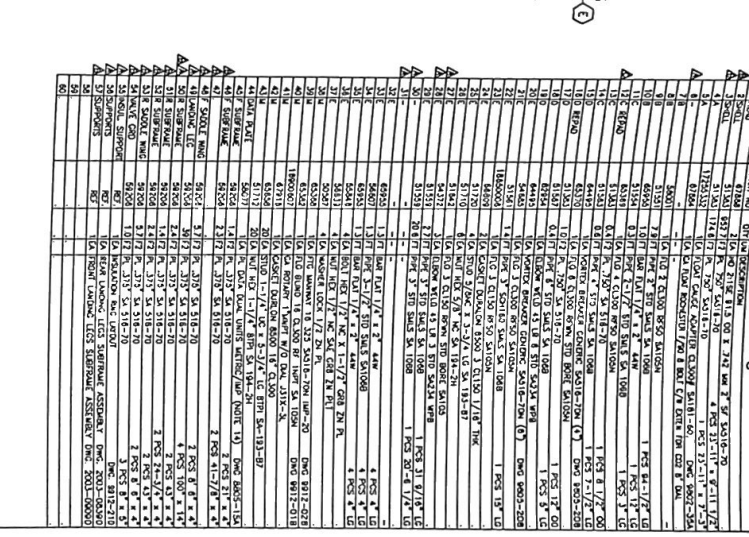




ALL OTHER SUBSTITUTIONS SHALL BE

[illegible]

NAME	PENDON	REFERENCE UNIT	SA-318-70
REG. NUMBER			
			
We warrant our equipment to be free of defects in material and workmanship for a period of 12 months from the date of purchase.			

VESSSEL TO BE SHIPPED BY AIRCRAFT.
NO EXPOSED ORIENTATIONS ALLOWED WHILE
ALL NOZZLE COLLECTIONS INTERNAL AND
ALONG JOINTS. SUGGEST USE UNLESS OTHER
PIPE LINES IN B/W ARE CRITICAL OR
ACCORDING TO NOZZLE COAT.

IMPACT TEST REQUIREMENTS EXEMPTED
TANK WILL NOT BE UNDER PRESSURE
USE WELDING PROCEDURE WP 609.2.5
SHELL PLATES TO BE THINNED SQUARE
REDUCE PLATE WIDTH IF NECESSARY.
NUMERATE ITEM 44 TO BE WELDED TO
AT ROLLING, MARK DATA ON 2 END
ACCEPTABLE MATERIAL SUBSTITUTIONS:

5. GASKETS AND BOLTING IN PLACE
IN PLACE OR REPAIR.
REPAIR SHALL BE WEAR-
RESISTANT.
SUFFICIENT TO SUIT NOZZLE
FOR USE 200(1-5).
TRANSPORTATION,
FOR LACK OF WELDING,
MINIMUM 1/32".

JOINT DTY. = K&G	100% 3RLL	100% 3RLL	100% 3RLL
STRESS RELIEFING	NO	427 MP (241 kPa)	
HOTSPOT REPAIR AND GROUT		HELO	
LAMING			
ISL. SUPPORT ACTION	53,100 LBS (24,100 kG)		
ISOLATION	SSPCC-SP6		
FRANCHISE			
PLAN			

28
1
DETAIL
SCALE
1

NOTE: BOLT HOLES TO STRAIGHT MANWAY, C/F PLUME SURFACE TO BE PROTECTED FROM INSIDE CONNECTIONS TO BE AROUND PADS TO BE RAISED ON ALL CORNERS FOR VESSEL PADS, 1/4" DIA. KEEP HOLES



[illegible]

SECTION
24-115

(B)

24.2

(B) 24.1/1

3

Figure 1 is a schematic diagram showing the structure of a composite material. It consists of a central layer labeled $201-6 \frac{1}{4}$ sandwiched between two layers labeled 32. The layers are separated by interfaces, with the top interface labeled 31.

[illegible][illegible]

Δ1	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
Δ1	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
Δ1	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
Δ1	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

FRONT VIEW

DATUM

15°-10° V/S

21'-0"

0'-0"

ALL TAIL

The front view shows a mechanical part with a curved top surface. A datum line is indicated. Dimensions include a 15°-10° V/S angle, a 21'-0" length, and a 0'-0" width. The text 'ALL TAIL' is present.

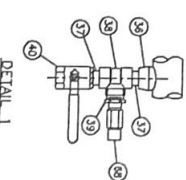
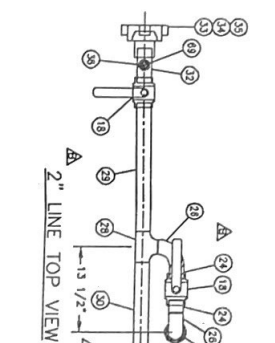
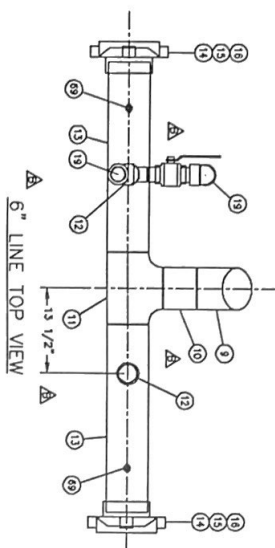
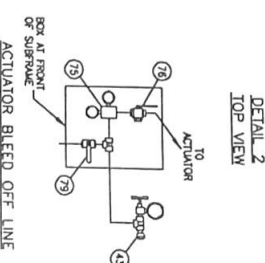
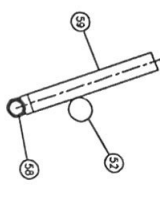
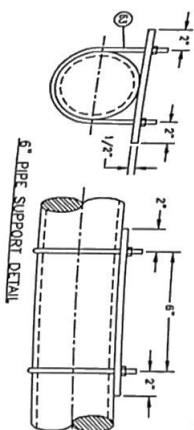
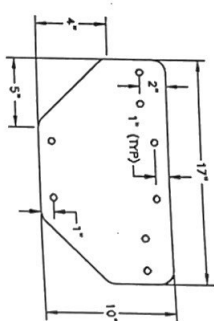
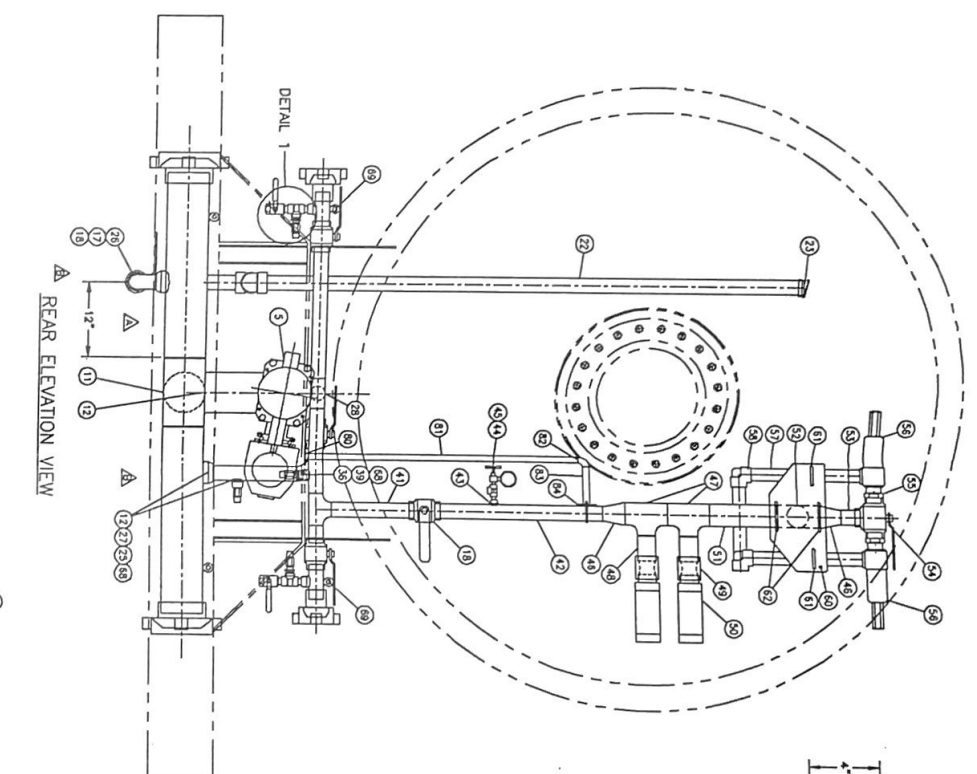
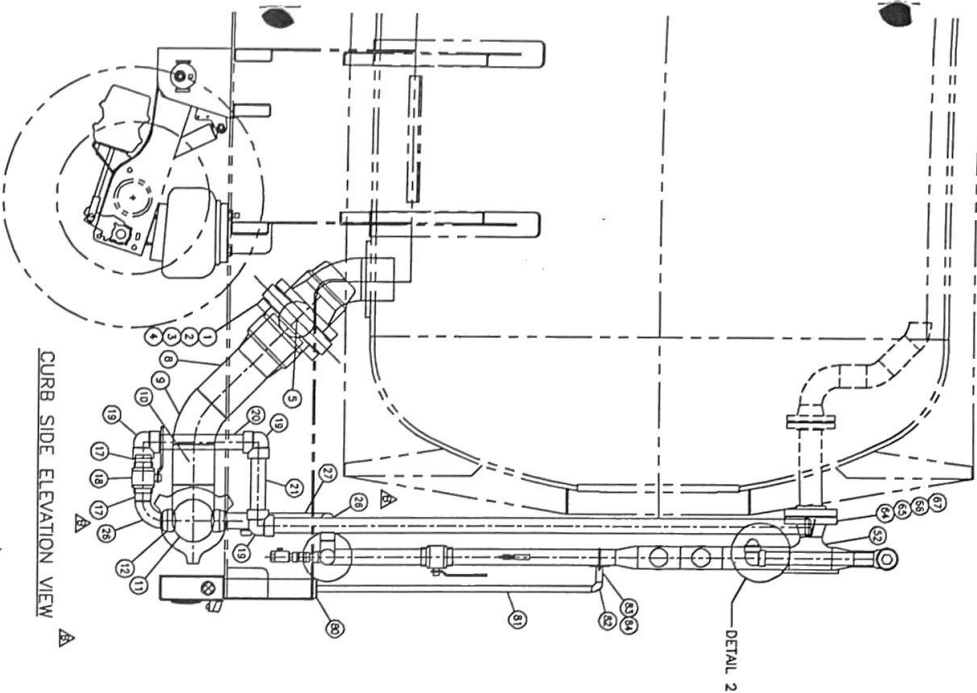
SECTION VIEW
DIMENSIONS ARE FROM DATUM

REAR VIEW

[illegible][illegible][illegible]

1	5121	7.3	1.0	2.510	85.5	1.026			
2	5122	7.3	1.0	2.510	85.5	1.026			
3	5123	7.3	1.0	2.510	85.5	1.026			
4	5124	7.3	1.0	2.510	85.5	1.026			
5	5125	7.3	1.0	2.510	85.5	1.026			
6	5126	7.3	1.0	2.510	85.5	1.026			
7	5127	7.3	1.0	2.510	85.5	1.026			
8	5128	7.3	1.0	2.510	85.5	1.026			
9	5129	7.3	1.0	2.510	85.5	1.026			
10	5130	7.3	1.0	2.510	85.5	1.026			
11	5131	7.3	1.0	2.510	85.5	1.026			
12	5132	7.3	1.0	2.510	85.5	1.026			
13	5133	7.3	1.0	2.510	85.5	1.026			
14	5134	7.3	1.0	2.510	85.5	1.026			
15	5135	7.3	1.0	2.510	85.5	1.026			
16	5136	7.3	1.0	2.510	85.5	1.026			
17	5137	7.3	1.0	2.510	85.5	1.026			
18	5138	7.3	1.0	2.510	85.5	1.026			
19	5139	7.3	1.0	2.510	85.5	1.026			
20	5140	7.3	1.0	2.510	85.5	1.026			
21	5141	7.3	1.0	2.510	85.5	1.026			
22	5142	7.3	1.0	2.510	85.5	1.026			
23	5143	7.3	1.0	2.510	85.5	1.026			
24	5144	7.3	1.0	2.510	85.5	1.026			
25	5145	7.3	1.0	2.510	85.5	1.026			
26	5146	7.3	1.0	2.510	85.5	1.026			
27	5147	7.3	1.0	2.510	85.5	1.026			
28	5148	7.3	1.0	2.510	85.5	1.026			
29	5149	7.3	1.0	2.510	85.5	1.026			
30	5150	7.3	1.0	2.510	85.5	1.026			

[illegible]



NO.	DESCRIPTION	QTY	UNIT	REMARKS
1	609.2-S-170 (SMAW)	1	EA	609.2-S-170 (SMAW)
2	609.2-S-140 (SMAW)	1	EA	609.2-S-140 (SMAW)
3	609.2-S-94-1 (SMAW)	1	EA	609.2-S-94-1 (SMAW)
4	609.2-S-161 (GMAW)	1	EA	609.2-S-161 (GMAW)
5	609.2-S-170 (SMAW)	1	EA	609.2-S-170 (SMAW)
6	609.2-S-140 (SMAW)	1	EA	609.2-S-140 (SMAW)
7	609.2-S-94-1 (SMAW)	1	EA	609.2-S-94-1 (SMAW)
8	609.2-S-161 (GMAW)	1	EA	609.2-S-161 (GMAW)
9	609.2-S-170 (SMAW)	1	EA	609.2-S-170 (SMAW)
10	609.2-S-140 (SMAW)	1	EA	609.2-S-140 (SMAW)
11	609.2-S-94-1 (SMAW)	1	EA	609.2-S-94-1 (SMAW)
12	609.2-S-161 (GMAW)	1	EA	609.2-S-161 (GMAW)
13	609.2-S-170 (SMAW)	1	EA	609.2-S-170 (SMAW)
14	609.2-S-140 (SMAW)	1	EA	609.2-S-140 (SMAW)
15	609.2-S-94-1 (SMAW)	1	EA	609.2-S-94-1 (SMAW)
16	609.2-S-161 (GMAW)	1	EA	609.2-S-161 (GMAW)
17	609.2-S-170 (SMAW)	1	EA	609.2-S-170 (SMAW)
18	609.2-S-140 (SMAW)	1	EA	609.2-S-140 (SMAW)
19	609.2-S-94-1 (SMAW)	1	EA	609.2-S-94-1 (SMAW)
20	609.2-S-161 (GMAW)	1	EA	609.2-S-161 (GMAW)
21	609.2-S-170 (SMAW)	1	EA	609.2-S-170 (SMAW)
22	609.2-S-140 (SMAW)	1	EA	609.2-S-140 (SMAW)
23	609.2-S-94-1 (SMAW)	1	EA	609.2-S-94-1 (SMAW)
24	609.2-S-161 (GMAW)	1	EA	609.2-S-161 (GMAW)
25	609.2-S-170 (SMAW)	1	EA	609.2-S-170 (SMAW)
26	609.2-S-140 (SMAW)	1	EA	609.2-S-140 (SMAW)
27	609.2-S-94-1 (SMAW)	1	EA	609.2-S-94-1 (SMAW)
28	609.2-S-161 (GMAW)	1	EA	609.2-S-161 (GMAW)
29	609.2-S-170 (SMAW)	1	EA	609.2-S-170 (SMAW)
30	609.2-S-140 (SMAW)	1	EA	609.2-S-140 (SMAW)
31	609.2-S-94-1 (SMAW)	1	EA	609.2-S-94-1 (SMAW)
32	609.2-S-161 (GMAW)	1	EA	609.2-S-161 (GMAW)
33	609.2-S-170 (SMAW)	1	EA	609.2-S-170 (SMAW)
34	609.2-S-140 (SMAW)	1	EA	609.2-S-140 (SMAW)

SHOP NOTES:

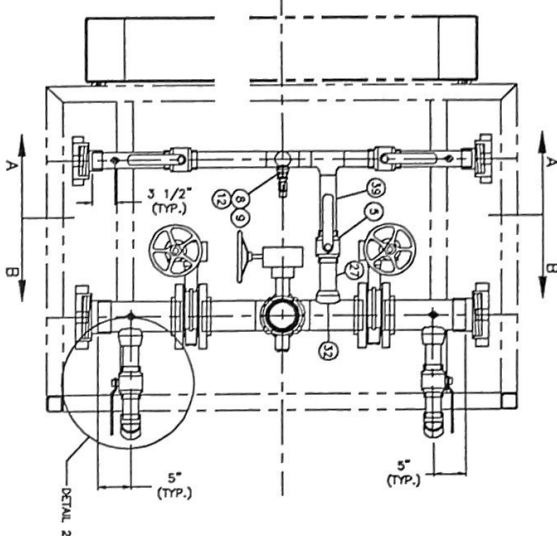
- 1) FOR BUTT WELDING, PREPARE JOINTS TO BE WELDED TOGETHER, GRIND THE JOINT PREPARED TO BE WELDED TO A 1/8" BEVEL.
- 2) ALL THREADED CONNECTIONS TO BE SHOWN ON OR IN THE DRAWING.
- 3) SHIP TO ADJUST PIPE LENGTH ON WELDED JOINTS TO ALLOW FOR SHIPWAKE.
- 4) USE WELD PROCEDURE #4 FOR WELDING STAINLESS STEEL BALL VALVES TO CARBON STEEL.

PRESSURE PIPING SYSTEM DESIGN DATA (CODE-ANSI/ASME B31.3 1999 EDITION, ADDENDUM 2001)

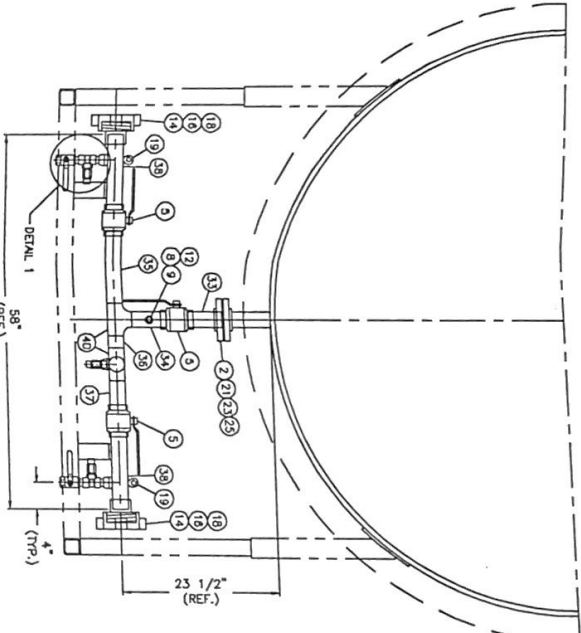
PROCESS	DESIGN PRESS.	DESIGN TEMP.	TEST PRESS.	TEST TEMP.	WELDING SPEC.	PIPE QUALITY	FLANGE	RT
609.2-S-170 (SMAW)	325 (2241)	115° (45°)	488 (3402)	100	SA-106-B	2" SCH 40	CL 300F	5%
609.2-S-140 (SMAW)	325 (2241)	115° (45°)	488 (3402)	100	SA-106-B	2" SCH 40	CL 300F	5%
609.2-S-94-1 (SMAW)	325 (2241)	115° (45°)	488 (3402)	100	SA-106-B	2" SCH 40	CL 300F	5%
609.2-S-161 (GMAW)	325 (2241)	115° (45°)	488 (3402)	100	SA-106-B	2" SCH 40	CL 300F	5%

REAR PIPING ARRANGEMENT

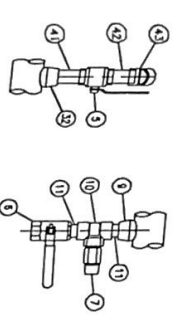
18,500 USWG 90° CO2 MOBILE STORAGE TANK
SCALE: NTS P/N - 67895
SHEET 1 OF 1



PLAN VIEW

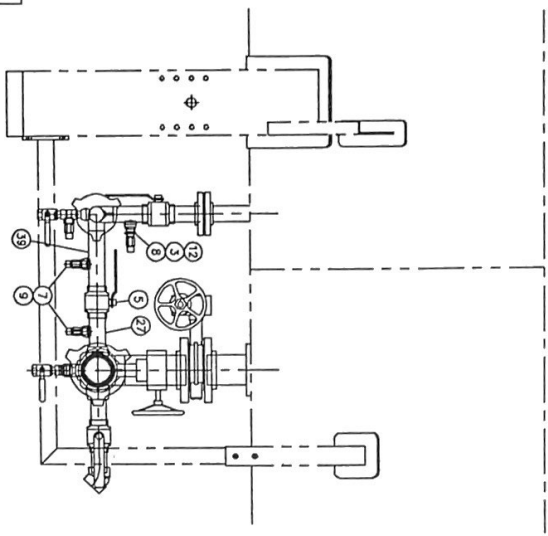


VIEW A-A

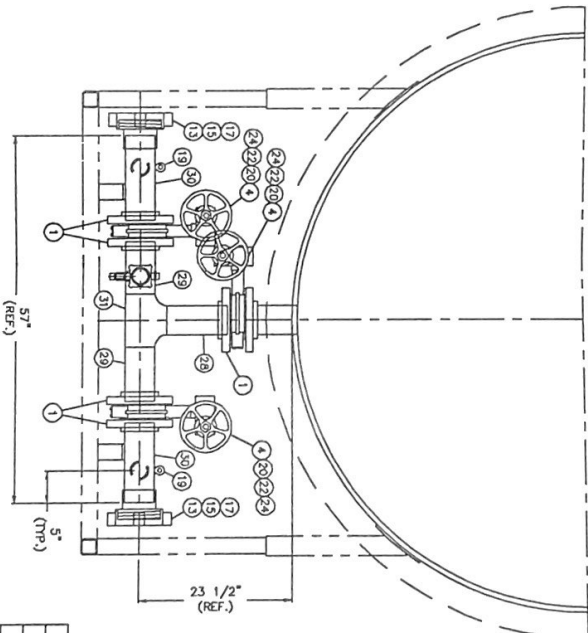


DETAIL 2

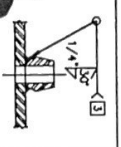
DETAIL 1



ELEVATION VIEW



VIEW B-B



WELD PROCEDURES

- 609.2-S-170 (SMW)
- 609.2-S-140 (SMW)
- 609.2-S-94-1 (SMW)
- 609.2-S-181 (SMW)

ANSI/ASME B31.3 PRESSURE PIPING SYSTEM DESIGN DATA

PROCESS	DESIGN PRESS.	DESIGN TEMP.	TEST PRESS.	TEST TEMP.	WELDING SPEC.	PIPE DESIGN	FLANGE RT.
002	2" (221)	48	2" (440)	120	SA-106-B	2" SCH STD	300F
	4" (275)	48	4" (440)	120	SA-106-B	4" SCH STD	300F
	6" (275)	48	6" (440)	120	SA-106-B	6" SCH STD	300F
	8" (275)	48	8" (440)	120	SA-106-B	8" SCH STD	300F
	10" (275)	48	10" (440)	120	SA-106-B	10" SCH STD	300F
	12" (275)	48	12" (440)	120	SA-106-B	12" SCH STD	300F
	14" (275)	48	14" (440)	120	SA-106-B	14" SCH STD	300F
	16" (275)	48	16" (440)	120	SA-106-B	16" SCH STD	300F
	18" (275)	48	18" (440)	120	SA-106-B	18" SCH STD	300F
	20" (275)	48	20" (440)	120	SA-106-B	20" SCH STD	300F
	22" (275)	48	22" (440)	120	SA-106-B	22" SCH STD	300F
	24" (275)	48	24" (440)	120	SA-106-B	24" SCH STD	300F
	26" (275)	48	26" (440)	120	SA-106-B	26" SCH STD	300F
	28" (275)	48	28" (440)	120	SA-106-B	28" SCH STD	300F
	30" (275)	48	30" (440)	120	SA-106-B	30" SCH STD	300F
	32" (275)	48	32" (440)	120	SA-106-B	32" SCH STD	300F
	34" (275)	48	34" (440)	120	SA-106-B	34" SCH STD	300F
	36" (275)	48	36" (440)	120	SA-106-B	36" SCH STD	300F
	38" (275)	48	38" (440)	120	SA-106-B	38" SCH STD	300F
	40" (275)	48	40" (440)	120	SA-106-B	40" SCH STD	300F
	42" (275)	48	42" (440)	120	SA-106-B	42" SCH STD	300F
	44" (275)	48	44" (440)	120	SA-106-B	44" SCH STD	300F
	46" (275)	48	46" (440)	120	SA-106-B	46" SCH STD	300F
	48" (275)	48	48" (440)	120	SA-106-B	48" SCH STD	300F
	50" (275)	48	50" (440)	120	SA-106-B	50" SCH STD	300F
	52" (275)	48	52" (440)	120	SA-106-B	52" SCH STD	300F
	54" (275)	48	54" (440)	120	SA-106-B	54" SCH STD	300F
	56" (275)	48	56" (440)	120	SA-106-B	56" SCH STD	300F
	58" (275)	48	58" (440)	120	SA-106-B	58" SCH STD	300F
	60" (275)	48	60" (440)	120	SA-106-B	60" SCH STD	300F
	62" (275)	48	62" (440)	120	SA-106-B	62" SCH STD	300F
	64" (275)	48	64" (440)	120	SA-106-B	64" SCH STD	300F
	66" (275)	48	66" (440)	120	SA-106-B	66" SCH STD	300F
	68" (275)	48	68" (440)	120	SA-106-B	68" SCH STD	300F
	70" (275)	48	70" (440)	120	SA-106-B	70" SCH STD	300F
	72" (275)	48	72" (440)	120	SA-106-B	72" SCH STD	300F
	74" (275)	48	74" (440)	120	SA-106-B	74" SCH STD	300F
	76" (275)	48	76" (440)	120	SA-106-B	76" SCH STD	300F
	78" (275)	48	78" (440)	120	SA-106-B	78" SCH STD	300F
	80" (275)	48	80" (440)	120	SA-106-B	80" SCH STD	300F
	82" (275)	48	82" (440)	120	SA-106-B	82" SCH STD	300F
	84" (275)	48	84" (440)	120	SA-106-B	84" SCH STD	300F
	86" (275)	48	86" (440)	120	SA-106-B	86" SCH STD	300F
	88" (275)	48	88" (440)	120	SA-106-B	88" SCH STD	300F
	90" (275)	48	90" (440)	120	SA-106-B	90" SCH STD	300F
	92" (275)	48	92" (440)	120	SA-106-B	92" SCH STD	300F
	94" (275)	48	94" (440)	120	SA-106-B	94" SCH STD	300F
	96" (275)	48	96" (440)	120	SA-106-B	96" SCH STD	300F
	98" (275)	48	98" (440)	120	SA-106-B	98" SCH STD	300F
	100" (275)	48	100" (440)	120	SA-106-B	100" SCH STD	300F

NOTES:

- 1) ALL WELDS TO BE MADE TO STD WELD PIPING & FITTINGS SPECIFICATIONS FOR PORTION INSIDE WITH A 3:1 TAPER.
- 2) ALL THREADED CONNECTIONS TO BE SCH 40 OR 80.
- 3) SHOP TO ADJUST PIPE LENGTH ON WELDING PIPING TO ALLOW FOR WELD CAP AND SHRINKAGE.
- 4) USE WELD PROCEDURE #1 FOR WELDING STAINLESS STEEL BALL VALVES TO CARBON STEEL.

REV	NO.	DATE	DESCRIPTION
0	01	03.08.29	ISSUED FOR CONSTRUCTION
1	02	03.08.29	REVISION: 1. CHANGE VALVE SIZE TO 24\"/>



FILL PIPING ARRANGEMENT
16,500 USMC 90° ID MOBILE CO2 STORAGE TANK

SCALE: NTS P/N - 07894
JUL 8 2003-08400
SHEET 1 OF 1