

Chas. MARTIN

A
COMPANY OF



BARGE "IB 1021"

INGRAM BARGE LINES

CORRECTION TABLE FOR TRIM AFT.			
FOR INNAGE GAUGES ONLY			

TRIM	TANK NO. 1	TANK NO. 2	TANK NO. 3
0'-6"	(-) 0'-0 1/4"	(-) 0'-0 1/8"	(-) 0'-0 1/8"
1'-0"	(-) 0'-0 3/8"	(-) 0'-0 1/4"	(-) 0'-0 1/4"
1'-6"	(-) 0'-0 5/8"	(-) 0'-0 3/8"	(-) 0'-0 3/8"
2'-0"	(-) 0'-0 7/8"	(-) 0'-0 1/2"	(-) 0'-0 3/8"
2'-6"	(-) 0'-1"	(-) 0'-0 5/8"	(-) 0'-0 1/2"
3'-0"	(-) 0'-1 1/4"	(-) 0'-0 3/4"	(-) 0'-0 5/8"
3'-6"	(-) 0'-1 1/2"	(-) 0'-1"	(-) 0'-0 3/4"
4'-0"	(-) 0'-1 5/8"	(-) 0'-1 1/8"	(-) 0'-0 7/8"
4'-6"	(-) 0'-1 7/8"	(-) 0'-1 1/4"	(-) 0'-1"
5'-0"	(-) 0'-2 1/8"	(-) 0'-1 3/8"	(-) 0'-1"

NOTE: FOR TRIM FWD., REVERSE SIGNS.

NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED, TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "OUTAGE" GAUGES, REVERSE SIGNS.

CHAS. MARTIN INSPECTION
AND CONTROLS, INC.

BY: D. SAUER

DATE: 7/2/92



A COMPANY OF INSPECTORATE

BARGE "IB-1021"

INGRAM BARGE LINES

SHEET NO. 1 OF 2

TANK NUMBER:

1

HULL NO 1591

BARGE SHOULD BE ON EVEN -LEVEL KEEL WHEN GAUGES ARE TAKEN

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	CONTINUED ON
0	* 492	0	11,36	0	22,229	0	33,059	0	43,927	0	54,794	0	65,661	0	76,528	0	SHEET NO. 2
1/4	719	1/4	11,58	1/4	22,454	1/4	33,286	1/4	44,153	1/4	55,020	1/4	65,887	1/4	76,754	1/4	
1/2	945	1/2	11,81	1/2	22,680	1/2	33,512	1/2	44,379	1/2	55,247	1/2	66,114	1/2	76,981	1/2	
3/4	1,172	3/4	12,042	3/4	22,905	3/4	33,739	3/4	44,606	3/4	55,473	3/4	66,340	3/4	77,207	3/4	
1	1,398	1	12,26	1	23,131	1	33,965	1	44,832	1	55,699	1	66,567	1	77,434	1	
1/4	1,625	1/4	12,49	1/4	23,357	1/4	34,191	1/4	45,059	1/4	55,926	1/4	66,793	1/4	77,660	1/4	
1/2	1,851	1/2	12,721	1/2	23,582	1/2	34,418	1/2	45,285	1/2	56,152	1/2	67,019	1/2	77,886	1/2	
3/4	2,078	3/4	12,947	3/4	23,808	3/4	34,644	3/4	45,511	3/4	56,379	3/4	67,246	3/4	78,113	3/4	
2	2,304	2	13,174	2	24,033	2	34,871	2	45,738	2	56,605	2	67,472	2	78,339	2	
1/4	2,531	1/4	13,400	1/4	24,259	1/4	35,097	1/4	45,964	1/4	56,831	1/4	67,699	1/4	78,566	1/4	
1/2	2,758	1/2	13,627	1/2	24,485	1/2	35,323	1/2	46,191	1/2	57,058	1/2	67,925	1/2	78,792	1/2	
3/4	2,984	3/4	13,853	3/4	24,710	3/4	35,550	3/4	46,417	3/4	57,284	3/4	68,151	3/4	79,018	3/4	
3	3,211	3	14,079	3	24,936	3	35,776	3	46,643	3	57,511	3	68,378	3	79,245	3	
1/4	3,437	1/4	14,306	1/4	25,162	1/4	36,003	1/4	46,870	1/4	57,737	1/4	68,604	1/4	79,471	1/4	
1/2	3,664	1/2	14,532	1/2	25,387	1/2	36,229	1/2	47,096	1/2	57,963	1/2	68,831	1/2	79,698	1/2	
3/4	3,890	3/4	14,759	3/4	25,613	3/4	36,455	3/4	47,323	3/4	58,190	3/4	69,057	3/4	79,924	3/4	
4	4,117	4	14,985	4	25,838	4	36,682	4	47,549	4	58,416	4	69,283	4	80,150	4	
1/4	4,343	1/4	15,211	1/4	26,064	1/4	36,908	1/4	47,775	1/4	58,643	1/4	69,510	1/4	80,377	1/4	
1/2	4,570	1/2	15,438	1/2	26,290	1/2	37,135	1/2	48,002	1/2	58,869	1/2	69,736	1/2	80,603	1/2	
3/4	4,796	3/4	15,664	3/4	26,515	3/4	37,361	3/4	48,228	3/4	59,095	3/4	69,963	3/4	80,830	3/4	
5	5,023	5	15,891	5	26,741	5	37,587	5	48,455	5	59,322	5	70,189	5	81,056	5	
1/4	5,249	1/4	16,117	1/4	26,966	1/4	37,814	1/4	48,681	1/4	59,548	1/4	70,415	1/4	81,282	1/4	
1/2	5,476	1/2	16,343	1/2	27,192	1/2	38,040	1/2	48,907	1/2	59,775	1/2	70,642	1/2	81,509	1/2	
3/4	5,702	3/4	16,570	3/4	27,418	3/4	38,267	3/4	49,134	3/4	60,001	3/4	70,868	3/4	81,735	3/4	
6	5,929	6	16,796	6	27,643	6	38,493	6	49,360	6	60,227	6	71,094	6	81,962	6	
1/4	6,155	1/4	17,023	1/4	27,869	1/4	38,719	1/4	49,587	1/4	60,454	1/4	71,321	1/4	82,188	1/4	
1/2	6,381	1/2	17,249	1/2	28,094	1/2	38,946	1/2	49,813	1/2	60,680	1/2	71,547	1/2	82,414	1/2	
3/4	6,608	3/4	17,476	3/4	28,320	3/4	39,172	3/4	50,039	3/4	60,907	3/4	71,774	3/4	82,641	3/4	
7	6,834	7	17,702	7	28,546	7	39,399	7	50,266	7	61,133	7	72,000	7	82,867	7	
1/4	7,061	1/4	17,928	1/4	28,771	1/4	39,625	1/4	50,492	1/4	61,359	1/4	72,226	1/4	83,094	1/4	
1/2	7,287	1/2	18,155	1/2	28,997	1/2	39,851	1/2	50,719	1/2	61,586	1/2	72,453	1/2	83,320	1/2	
3/4	7,513	3/4	18,381	3/4	29,223	3/4	40,078	3/4	50,945	3/4	61,812	3/4	72,679	3/4	83,546	3/4	
8	7,740	8	18,608	8	29,448	8	40,304	8	51,171	8	62,039	8	72,906	8	83,773	8	
1/4	7,966	1/4	18,834	1/4	29,674	1/4	40,531	1/4	51,398	1/4	62,265	1/4	73,132	1/4	83,999	1/4	
1/2	8,193	1/2	19,060	1/2	29,899	1/2	40,757	1/2	51,624	1/2	62,491	1/2	73,358	1/2	84,226	1/2	
3/4	8,419	3/4	19,287	3/4	30,125	3/4	40,983	3/4	51,851	3/4	62,718	3/4	73,585	3/4	84,452	3/4	
9	8,645	9	19,513	9	30,351	9	41,210	9	52,077	9	62,944	9	73,811	9	84,678	9	
1/4	8,872	1/4	19,740	1/4	30,576	1/4	41,436	1/4	52,303	1/4	63,171	1/4	74,038	1/4	84,905	1/4	
1/2	9,098	1/2	19,966	1/2	30,802	1/2	41,663	1/2	52,530	1/2	63,397	1/2	74,264	1/2	85,131	1/2	
3/4	9,325	3/4	20,193	3/4	31,027	3/4	41,889	3/4	52,756	3/4	63,623	3/4	74,490	3/4	85,358	3/4	
10	9,551	10	20,419	10	31,253	10	42,115	10	52,983	10	63,850	10	74,717	10	85,584	10	
1/4	9,778	1/4	20,645	1/4	31,479	1/4	42,342	1/4	53,209	1/4	64,076	1/4	74,943	1/4	85,810	1/4	
1/2	10,004	1/2	20,872	1/2	31,704	1/2	42,568	1/2	53,435	1/2	64,303	1/2	75,170	1/2	86,037	1/2	
3/4	10,230	3/4	21,098	3/4	31,930	3/4	42,795	3/4	53,662	3/4	64,529	3/4	75,396	3/4	86,263	3/4	
11	10,457	11	21,325	11	32,155	11	43,021	11	53,888	11	64,755	11	75,622	11	86,490	11	
1/4	10,683	1/4	21,551	1/4	32,381	1/4	43,247	1/4	54,115	1/4	64,982	1/4	75,849	1/4	86,716	1/4	
1/2	10,910	1/2	21,777	1/2	32,607	1/2	43,474	1/2	54,341	1/2	65,208	1/2	76,075	1/2	86,942	1/2	
3/4	11,136	3/4	22,003	3/4	32,833	3/4	43,700	3/4	54,567	3/4	65,435	3/4	76,302	3/4	87,169	3/4	

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14'-9 3/4" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 7/2/92

*CAPACITY BELOW STRIKE POINT.

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

[Signature]
CHAS. MARTIN CORPORATION

BARGE "IB-1021"

SHEET NO. 2 OF 2


FORM 14 11W-15x12.9

Chas. MARTIN

INGRAM BARGE LINES

TANK NUMBER:

1

A COMPANY OF  INSPECTORATE

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1591

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		14 FEET		FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	87,395	0	98,262	0	109,130	0	118,632	0	128,134	0	137,636	0	143,965	0		0	
1/4	87,622	1/4	98,489	1/4	109,328	1/4	118,830	1/4	128,332	1/4	137,834	1/4	143,971	1/4		1/4	
1/2	87,848	1/2	98,715	1/2	109,526	1/2	119,028	1/2	128,530	1/2	138,032	1/2		1/2		1/2	
3/4	88,074	3/4	98,942	3/4	109,724	3/4	119,226	3/4	128,728	3/4	138,230	3/4		3/4		3/4	
1	88,301	1	99,168	1	109,922	1	119,424	1	128,926	1	138,428	1		1		1	
1/4	88,527	1/4	99,394	1/4	110,120	1/4	119,622	1/4	129,124	1/4	138,626	1/4		1/4		1/4	
1/2	88,754	1/2	99,621	1/2	110,318	1/2	119,820	1/2	129,322	1/2	138,824	1/2		1/2		1/2	
3/4	88,980	3/4	99,847	3/4	110,515	3/4	120,018	3/4	129,520	3/4	139,022	3/4		3/4		3/4	
2	89,206	2	100,074	2	110,713	2	120,216	2	129,718	2	139,220	2		2		2	
1/4	89,433	1/4	100,300	1/4	110,911	1/4	120,414	1/4	129,916	1/4	139,418	1/4		1/4		1/4	
1/2	89,659	1/2	100,526	1/2	111,109	1/2	120,612	1/2	130,114	1/2	139,616	1/2		1/2		1/2	
3/4	89,886	3/4	100,753	3/4	111,307	3/4	120,809	3/4	130,312	3/4	139,814	3/4		3/4		3/4	
3	90,112	3	100,979	3	111,505	3	121,007	3	130,510	3	140,012	3		3		3	
1/4	90,338	1/4	101,206	1/4	111,703	1/4	121,205	1/4	130,708	1/4	140,210	1/4		1/4		1/4	
1/2	90,565	1/2	101,432	1/2	111,901	1/2	121,403	1/2	130,905	1/2	140,408	1/2		1/2		1/2	
3/4	90,791	3/4	101,658	3/4	112,099	3/4	121,601	3/4	131,103	3/4	140,606	3/4		3/4		3/4	
4	91,018	4	101,885	4	112,297	4	121,799	4	131,301	4	140,792	4		4		4	
1/4	91,244	1/4	102,111	1/4	112,495	1/4	121,997	1/4	131,499	1/4	140,978	1/4		1/4		1/4	
1/2	91,470	1/2	102,338	1/2	112,693	1/2	122,195	1/2	131,697	1/2	141,165	1/2		1/2		1/2	
3/4	91,697	3/4	102,564	3/4	112,891	3/4	122,393	3/4	131,895	3/4	141,351	3/4		3/4		3/4	
5	91,923	5	102,790	5	113,089	5	122,591	5	132,093	5	141,514	5		5		5	
1/4	92,150	1/4	103,017	1/4	113,287	1/4	122,789	1/4	132,291	1/4	141,677	1/4		1/4		1/4	
1/2	92,376	1/2	103,243	1/2	113,485	1/2	122,987	1/2	132,489	1/2	141,840	1/2		1/2		1/2	
3/4	92,602	3/4	103,470	3/4	113,683	3/4	123,185	3/4	132,687	3/4	142,003	3/4		3/4		3/4	
6	92,829	6	103,696	6	113,881	6	123,383	6	132,885	6	142,143	6		6		6	
1/4	93,055	1/4	103,922	1/4	114,079	1/4	123,581	1/4	133,083	1/4	142,282	1/4		1/4		1/4	
1/2	93,282	1/2	104,149	1/2	114,277	1/2	123,779	1/2	133,281	1/2	142,422	1/2		1/2		1/2	
3/4	93,508	3/4	104,375	3/4	114,475	3/4	123,977	3/4	133,479	3/4	142,562	3/4		3/4		3/4	
7	93,734	7	104,602	7	114,673	7	124,175	7	133,677	7	142,678	7		7		7	
1/4	93,961	1/4	104,828	1/4	114,871	1/4	124,373	1/4	133,875	1/4	142,795	1/4		1/4		1/4	
1/2	94,187	1/2	105,054	1/2	115,069	1/2	124,571	1/2	134,073	1/2	142,911	1/2		1/2		1/2	
3/4	94,414	3/4	105,281	3/4	115,267	3/4	124,769	3/4	134,271	3/4	143,028	3/4		3/4		3/4	
8	94,640	8	105,507	8	115,465	8	124,967	8	134,469	8	143,121	8		8		8	
1/4	94,866	1/4	105,734	1/4	115,662	1/4	125,165	1/4	134,667	1/4	143,214	1/4		1/4		1/4	
1/2	95,093	1/2	105,960	1/2	115,860	1/2	125,363	1/2	134,865	1/2	143,307	1/2		1/2		1/2	
3/4	95,319	3/4	106,186	3/4	116,058	3/4	125,561	3/4	135,063	3/4	143,400	3/4		3/4		3/4	
9	95,546	9	106,413	9	116,256	9	125,758	9	135,261	9	143,470	9		9		9	
1/4	95,772	1/4	106,639	1/4	116,454	1/4	125,956	1/4	135,459	1/4	143,540	1/4		1/4		1/4	
1/2	95,998	1/2	106,866	1/2	116,652	1/2	126,154	1/2	135,657	1/2	143,610	1/2		1/2		1/2	
3/4	96,225	3/4	107,092	3/4	116,850	3/4	126,352	3/4	135,854	3/4	143,680	3/4		3/4		3/4	
10	96,451	10	107,318	10	117,048	10	126,550	10	136,052	10	143,726	10		10		10	
1/4	96,678	1/4	107,545	1/4	117,246	1/4	126,748	1/4	136,250	1/4	143,773	1/4		1/4		1/4	
1/2	96,904	1/2	107,771	1/2	117,444	1/2	126,946	1/2	136,448	1/2	143,820	1/2		1/2		1/2	
3/4	97,130	3/4	107,998	3/4	117,642	3/4	127,144	3/4	136,646	3/4	143,866	3/4		3/4		3/4	
11	97,357	11	108,224	11	117,840	11	127,342	11	136,844	11	143,889	11		11		11	
1/4	97,583	1/4	108,450	1/4	118,038	1/4	127,540	1/4	137,042	1/4	143,913	1/4		1/4		1/4	
1/2	97,810	1/2	108,677	1/2	118,236	1/2	127,738	1/2	137,240	1/2	143,936	1/2		1/2		1/2	
3/4	98,036	3/4	108,903	3/4	118,434	3/4	127,936	3/4	137,438	3/4	143,959	3/4		3/4		3/4	

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14'-9 3/4" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 7/2/92


CHAS. MARTIN CORPORATION

BARGE IB"1021"

FORM-14 "W-15x12.9"

Chas. MARTIN

A COMPANY OF INSPECTORATE

INGRAM BARGE LINES

SHEET NO. 1 OF 2

TANK NUMBER:

2

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1591

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	CONTINUED ON
0	* 494	0	11,407	0	22,319	0	33,191	0	44,104	0	55,017	0	65,930	0	76,844	0	SHEET NO. 2
1/4	721	1/4	11,635	1/4	22,545	1/4	33,418	1/4	44,331	1/4	55,244	1/4	66,158	1/4	77,071	1/4	
1/2	949	1/2	11,862	1/2	22,772	1/2	33,645	1/2	44,555	1/2	55,472	1/2	66,385	1/2	77,298	1/2	
3/4	1,176	3/4	12,089	3/4	22,998	3/4	33,873	3/4	44,786	3/4	55,699	3/4	66,612	3/4	77,526	3/4	
1	1,403	1	12,317	1	23,225	1	34,100	1	45,013	1	55,927	1	66,840	1	77,753	1	
1/4	1,631	1/4	12,544	1/4	23,451	1/4	34,327	1/4	45,241	1/4	56,154	1/4	67,067	1/4	77,980	1/4	
1/2	1,858	1/2	12,771	1/2	23,678	1/2	34,555	1/2	45,468	1/2	56,381	1/2	67,295	1/2	78,208	1/2	
3/4	2,086	3/4	12,999	3/4	23,904	3/4	34,782	3/4	45,695	3/4	56,609	3/4	67,522	3/4	78,435	3/4	
2	2,313	2	13,226	2	24,130	2	35,009	2	45,923	2	56,836	2	67,749	2	78,663	2	
1/4	2,540	1/4	13,454	1/4	24,357	1/4	35,237	1/4	46,150	1/4	57,063	1/4	67,977	1/4	78,890	1/4	
1/2	2,768	1/2	13,681	1/2	24,583	1/2	35,464	1/2	46,377	1/2	57,291	1/2	68,204	1/2	79,117	1/2	
3/4	2,995	3/4	13,908	3/4	24,810	3/4	35,691	3/4	46,605	3/4	57,518	3/4	68,431	3/4	79,345	3/4	
3	3,222	3	14,136	3	25,036	3	35,919	3	46,832	3	57,745	3	68,659	3	79,572	3	
1/4	3,450	1/4	14,363	1/4	25,263	1/4	36,146	1/4	47,059	1/4	57,973	1/4	68,886	1/4	79,799	1/4	
1/2	3,677	1/2	14,590	1/2	25,489	1/2	36,374	1/2	47,287	1/2	58,200	1/2	69,113	1/2	80,027	1/2	
3/4	3,904	3/4	14,818	3/4	25,716	3/4	36,601	3/4	47,514	3/4	58,427	3/4	69,341	3/4	80,254	3/4	
4	4,132	4	15,045	4	25,942	4	36,828	4	47,742	4	58,655	4	69,568	4	80,481	4	
1/4	4,359	1/4	15,272	1/4	26,169	1/4	37,056	1/4	47,969	1/4	58,882	1/4	69,795	1/4	80,709	1/4	
1/2	4,587	1/2	15,500	1/2	26,395	1/2	37,283	1/2	48,196	1/2	59,110	1/2	70,023	1/2	80,936	1/2	
3/4	4,814	3/4	15,727	3/4	26,621	3/4	37,510	3/4	48,424	3/4	59,337	3/4	70,250	3/4	81,163	3/4	
5	5,041	5	15,955	5	26,848	5'	37,738	5	48,651	5	59,564	5	70,478	5	81,391	5	
1/4	5,269	1/4	16,182	1/4	27,074	1/4	37,965	1/4	48,878	1/4	59,792	1/4	70,705	1/4	81,618	1/4	
3/4	5,496	1/2	16,409	1/2	27,301	1/2	38,192	1/2	49,106	1/2	60,019	1/2	70,932	1/2	81,846	1/2	
6	5,723	3/4	16,637	3/4	27,527	3/4	38,420	3/4	49,333	3/4	60,246	3/4	71,160	3/4	82,073	3/4	
6	5,951	6	16,864	6	27,754	6	38,647	6	49,560	6	60,474	6	71,387	6	82,300	6	
1/4	6,178	1/4	17,091	1/4	27,980	1/4	38,875	1/4	49,788	1/4	60,701	1/4	71,614	1/4	82,528	1/4	
1/2	6,405	1/2	17,319	1/2	28,207	1/2	39,102	1/2	50,015	1/2	60,928	1/2	71,842	1/2	82,755	1/2	
3/4	6,633	3/4	17,546	3/4	28,433	3/4	39,329	3/4	50,243	3/4	61,156	3/4	72,069	3/4	82,982	3/4	
7	6,860	7	17,773	7	28,660	7	39,557	7	50,470	7	61,383	7	72,296	7	83,210	7	
1/4	7,087	1/4	18,001	1/4	28,886	1/4	39,784	1/4	50,697	1/4	61,611	1/4	72,524	1/4	83,437	1/4	
1/2	7,315	1/2	18,228	1/2	29,112	1/2	40,011	1/2	50,925	1/2	61,838	1/2	72,751	1/2	83,664	1/2	
3/4	7,542	3/4	18,455	3/4	29,339	3/4	40,239	3/4	51,152	3/4	62,065	3/4	72,979	3/4	83,892	3/4	
8	7,770	8	18,683	8	29,565	8	40,466	8	51,379	8	62,293	8	73,206	8	84,119	8	
1/4	7,997	1/4	18,910	1/4	29,792	1/4	40,693	1/4	51,607	1/4	62,520	1/4	73,433	1/4	84,347	1/4	
1/2	8,224	1/2	19,138	1/2	30,018	1/2	40,921	1/2	51,834	1/2	62,747	1/2	73,661	1/2	84,574	1/2	
3/4	8,452	3/4	19,365	3/4	30,245	3/4	41,148	3/4	52,061	3/4	62,975	3/4	73,888	3/4	84,801	3/4	
9	8,679	9	19,592	9	30,471	9	41,375	9	52,289	9	63,202	9	74,115	9	85,029	9	
1/4	8,906	1/4	19,820	1/4	30,698	1/4	41,603	1/4	52,516	1/4	63,429	1/4	74,343	1/4	85,256	1/4	
1/2	9,134	1/2	20,047	1/2	30,924	1/2	41,830	1/2	52,743	1/2	63,657	1/2	74,570	1/2	85,483	1/2	
3/4	9,361	3/4	20,274	3/4	31,151	3/4	42,058	3/4	52,971	3/4	63,884	3/4	74,797	3/4	85,711	3/4	
10	9,588	10	20,502	10	31,377	10	42,285	10	53,198	10	64,111	10	75,025	10	85,938	10	
1/4	9,816	1/4	20,729	3/4	31,604	1/4	42,512	1/4	53,426	1/4	64,339	1/4	75,252	1/4	86,165	1/4	
1/2	10,043	1/2	20,956	1/2	31,830	1/2	42,740	1/2	53,653	1/2	64,566	1/2	75,479	1/2	86,393	1/2	
3/4	10,271	3/4	21,184	3/4	32,056	3/4	42,967	3/4	53,880	3/4	64,794	3/4	75,707	3/4	86,620	3/4	
11	10,498	11	21,411	11	32,283	11	43,194	11	54,108	11	65,021	11	75,934	11	86,847	11	
1/4	10,725	1/4	21,639	1/4	32,509	1/4	43,422	1/4	54,335	1/4	65,248	1/4	76,162	1/4	87,075	1/4	
1/2	10,953	1/2	21,866	1/2	32,736	1/2	43,649	1/2	54,562	1/2	65,476	1/2	76,389	1/2	87,302	1/2	
3/4	11,180	3/4	22,092	3/4	32,963	3/4	43,876	3/4	54,790	3/4	65,703	3/4	76,616	3/4	87,530	3/4	

CAPACITY IN: U.S. GALLONS

*CAPACITY BELOW STRIKE POINT.

GAUGE HEIGHT: 14'-11 1/4" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 7/2/92

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

Chas. Martin
CHAS. MARTIN CORPORATION

FORM-14 "W-15x12.9"

Chas. MARTIN



BARGE "IB-1021"

INGRAM BARGE LINES

SHEET NO. 2 OF 2

TANK NUMBER:

2

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1591

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		14 FEET		FEET	FEET
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	87,757	0	98,670	0	109,583	0	120,497	0	131,410	0	142,323	0	149,592	0	0
1/4	87,984	1/4	98,898	1/4	109,811	1/4	120,724	1/4	131,637	1/4	142,551	1/4	149,599	1/4	1/4
1/2	88,212	1/2	99,125	1/2	110,038	1/2	120,951	1/2	131,865	1/2	142,778	1/2		1/2	1/2
3/4	88,439	3/4	99,352	3/4	110,266	3/4	121,179	3/4	132,092	3/4	143,005	3/4		3/4	3/4
1	88,666	1	99,580	1	110,493	1	121,406	1	132,319	1	143,233	1		1	1
1/4	88,894	1/4	99,807	1/4	110,720	1/4	121,634	1/4	132,547	1/4	143,460	1/4		1/4	1/4
1/2	89,121	1/2	100,034	1/2	110,948	1/2	121,861	1/2	132,774	1/2	143,687	1/2		1/2	1/2
3/4	89,348	3/4	100,262	3/4	111,175	3/4	122,088	3/4	133,002	3/4	143,915	3/4		3/4	3/4
2	89,576	2	100,489	2	111,402	2	122,316	2	133,229	2	144,142	2		2	2
1/4	89,803	1/4	100,716	1/4	111,630	1/4	122,543	1/4	133,456	1/4	144,370	1/4		1/4	1/4
1/2	90,031	1/2	100,944	1/2	111,857	1/2	122,770	1/2	133,684	1/2	144,597	1/2		1/2	1/2
3/4	90,258	3/4	101,171	3/4	112,084	3/4	122,998	3/4	133,911	3/4	144,824	3/4		3/4	3/4
3	90,485	3	101,399	3	112,312	3	123,225	3	134,138	3	145,052	3		3	3
1/4	90,713	3/4	101,626	1/4	112,539	1/4	123,452	1/4	134,366	1/4	145,279	1/4		1/4	1/4
1/2	90,940	1/2	101,853	1/2	112,767	1/2	123,680	1/2	134,593	1/2	145,506	1/2		1/2	1/2
3/4	91,167	3/4	102,081	3/4	112,994	3/4	123,907	3/4	134,820	3/4	145,734	3/4		3/4	3/4
4	91,395	4	102,308	4	113,221	4	124,135	4	135,048	4	145,948	4		4	4
1/4	91,622	1/4	102,535	1/4	113,449	1/4	124,362	1/4	135,275	1/4	146,162	1/4		1/4	1/4
1/2	91,849	1/2	102,763	1/2	113,676	1/2	124,589	1/2	135,503	1/2	146,376	1/2		1/2	1/2
3/4	92,077	3/4	102,990	3/4	113,903	3/4	124,817	3/4	135,730	3/4	146,590	3/4		3/4	3/4
5	92,304	5	103,217	5	114,131	5	125,044	5	135,957	5	146,777	5		5	5
1/4	92,531	1/4	103,445	1/4	114,358	1/4	125,271	1/4	136,185	1/4	146,964	1/4		1/4	1/4
1/2	92,759	1/2	103,672	1/2	114,585	1/2	125,499	1/2	136,412	1/2	147,151	1/2		1/2	1/2
3/4	92,986	3/4	103,899	3/4	114,813	3/4	125,726	3/4	136,639	3/4	147,339	3/4		3/4	3/4
6	93,214	6	104,127	6	115,040	6	125,953	6	136,867	6	147,499	6		6	6
1/4	93,441	1/4	104,354	1/4	115,267	1/4	126,181	1/4	137,094	1/4	147,660	1/4		1/4	1/4
1/2	93,668	1/2	104,582	1/2	115,495	1/2	126,408	1/2	137,321	1/2	147,820	1/2		1/2	1/2
3/4	93,896	3/4	104,809	3/4	115,722	3/4	126,635	3/4	137,549	3/4	147,981	3/4		3/4	3/4
7	94,123	7	105,036	7	115,950	7	126,863	7	137,776	7	148,114	7		7	7
1/4	94,350	1/4	105,264	1/4	116,177	1/4	127,090	1/4	138,003	1/4	148,248	1/4		1/4	1/4
1/2	94,578	1/2	105,491	1/2	116,404	1/2	127,318	1/2	138,231	1/2	148,382	1/2		1/2	1/2
3/4	94,805	3/4	105,718	3/4	116,632	3/4	127,545	3/4	138,458	3/4	148,516	3/4		3/4	3/4
8	95,032	8	105,946	8	116,859	8	127,772	8	138,686	8	148,623	8		8	8
1/4	95,260	1/4	106,173	1/4	117,086	1/4	128,000	1/4	138,913	1/4	148,730	1/4		1/4	1/4
1/2	95,487	1/2	106,400	1/2	117,314	1/2	128,227	1/2	139,140	1/2	148,837	1/2		1/2	1/2
3/4	95,715	3/4	106,628	3/4	117,541	3/4	128,454	3/4	139,368	3/4	148,944	3/4		3/4	3/4
9	95,942	9	106,855	9	117,768	9	128,682	9	139,595	9	149,024	9		9	9
1/4	96,169	1/4	107,083	1/4	117,996	1/4	128,909	1/4	139,822	1/4	149,104	1/4		1/4	1/4
1/2	96,397	1/2	107,310	1/2	118,223	1/2	129,136	1/2	140,050	1/2	149,184	1/2		1/2	1/2
3/4	96,624	3/4	107,537	3/4	118,451	3/4	129,364	3/4	140,277	3/4	149,265	3/4		3/4	3/4
10	96,851	10	107,765	10	118,678	10	129,591	10	140,504	10	149,318	10		10	10
1/4	97,079	1/4	107,992	1/4	118,905	1/4	129,819	1/4	140,732	1/4	149,371	1/4		1/4	1/4
1/2	97,306	1/2	108,219	1/2	119,133	1/2	130,046	1/2	140,959	1/2	149,425	1/2		1/2	1/2
3/4	97,533	3/4	108,447	3/4	119,360	3/4	130,273	3/4	141,187	3/4	149,478	3/4		3/4	3/4
11	97,761	11	108,674	11	119,587	11	130,501	11	141,414	11	149,505	11		11	11
1/4	97,988	1/4	108,901	1/4	119,815	1/4	130,728	1/4	141,641	1/4	149,532	1/4		1/4	1/4
1/2	98,215	1/2	109,129	1/2	120,042	1/2	130,955	1/2	141,869	1/2	149,559	1/2		1/2	1/2
3/4	98,443	3/4	109,356	3/4	120,269	3/4	131,183	3/4	142,096	3/4	149,585	3/4		3/4	3/4

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14'-11 1/4" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 7/2/92

[Signature]
CHAS. MARTIN CORPORATION

FORM 14 - W-15x12-9

Chas. MARTIN



BARGE "IB-1021"

INGRAM BARGE LINES

SHEET NO. 1 OF 2

TANK NUMBER:

3

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL 1591

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	CONTINUED ON
0	* 789	0	12,790	0	24,791	0	36,791	0	48,792	0	60,792	0	72,793	0	84,794	0	SHEET NO. 2
1/4	1,039	1/4	13,040	1/4	25,041	1/4	37,041	1/4	49,042	1/4	61,042	1/4	73,043	1/4	85,044	1/4	
1/2	1,289	3/4	13,290	1/2	25,291	1/2	37,291	1/2	49,292	1/2	61,292	1/2	73,293	1/2	85,294	1/2	
3/4	1,539	3/4	13,540	3/4	25,541	3/4	37,541	3/4	49,542	3/4	61,543	3/4	73,543	3/4	85,544	3/4	
1	1,789	1	13,790	1	25,791	1	37,791	1	49,792	1	61,793	1	73,793	1	85,794	1	
1/4	2,039	1/4	14,040	1/4	26,041	1/4	38,041	1/4	50,042	1/4	62,043	1/4	74,043	1/4	86,044	1/4	
1/2	2,289	1/2	14,290	1/2	26,291	1/2	38,291	1/2	50,292	1/2	62,293	1/2	74,293	1/2	86,294	1/2	
3/4	2,539	3/4	14,540	3/4	26,541	3/4	38,541	3/4	50,542	3/4	62,543	3/4	74,543	3/4	86,544	3/4	
2	2,789	2	14,790	2	26,791	2	38,791	2	50,792	2	62,793	2	74,793	2	86,794	2	
1/4	3,039	1/4	15,040	1/4	27,041	1/4	39,041	1/4	51,042	1/4	63,043	1/4	75,043	1/4	87,044	1/4	
1/2	3,289	1/2	15,290	1/2	27,291	1/2	39,291	1/2	51,292	1/2	63,293	1/2	75,293	1/2	87,294	1/2	
3/4	3,539	3/4	15,540	3/4	27,541	3/4	39,541	3/4	51,542	3/4	63,543	3/4	75,543	3/4	87,544	3/4	
3	3,790	3	15,790	3	27,791	3	39,791	3	51,792	3	63,793	3	75,793	3	87,794	3	
1/4	4,040	1/4	16,040	1/4	28,041	1/4	40,041	1/4	52,042	1/4	64,043	1/4	76,043	1/4	88,044	1/4	
1/2	4,290	1/2	16,290	1/2	28,291	1/2	40,291	1/2	52,292	1/2	64,293	1/2	76,293	1/2	88,294	1/2	
3/4	4,540	3/4	16,540	3/4	28,541	3/4	40,541	3/4	52,542	3/4	64,543	3/4	76,543	3/4	88,544	3/4	
4	4,790	4	16,790	4	28,791	4	40,791	4	52,792	4	64,793	4	76,793	4	88,794	4	
1/4	5,040	1/4	17,040	3/4	29,041	1/4	41,041	1/4	53,042	1/4	65,043	1/4	77,043	1/4	89,044	1/4	
1/2	5,290	1/2	17,290	1/2	29,291	1/2	41,291	1/2	53,292	1/2	65,293	1/2	77,293	1/2	89,294	1/2	
3/4	5,540	3/4	17,540	3/4	29,541	3/4	41,541	3/4	53,542	3/4	65,543	3/4	77,543	3/4	89,544	3/4	
5	5,790	5	17,790	5	29,791	5	41,791	5	53,792	5	65,793	5	77,793	5	89,794	5	
1/4	6,040	1/4	18,040	1/4	30,041	1/4	42,041	1/4	54,042	1/4	66,043	1/4	78,043	1/4	90,044	1/4	
1/2	6,290	1/2	18,290	1/2	30,291	1/2	42,292	1/2	54,292	1/2	66,293	1/2	78,293	1/2	90,294	1/2	
3/4	6,540	3/4	18,540	3/4	30,541	3/4	42,542	3/4	54,542	3/4	66,543	3/4	78,543	3/4	90,544	3/4	
6	6,790	6	18,790	6	30,791	6	42,792	6	54,792	6	66,793	6	78,793	6	90,794	6	
1/4	7,040	1/4	19,040	1/4	31,041	1/4	43,042	1/4	55,042	1/4	67,043	1/4	79,043	1/4	91,044	1/4	
1/2	7,290	1/2	19,290	1/2	31,291	1/2	43,292	1/2	55,292	1/2	67,293	1/2	79,293	1/2	91,294	1/2	
3/4	7,540	3/4	19,540	3/4	31,541	3/4	43,542	3/4	55,542	3/4	67,543	3/4	79,543	3/4	91,544	3/4	
7	7,790	7	19,790	7	31,791	7	43,792	7	55,792	7	67,793	7	79,793	7	91,794	7	
1/4	8,040	1/4	20,040	1/4	32,041	1/4	44,042	1/4	56,042	1/4	68,043	1/4	80,043	1/4	92,044	1/4	
1/2	8,290	1/2	20,290	1/2	32,291	1/2	44,292	1/2	56,292	1/2	68,293	1/2	80,293	1/2	92,294	1/2	
3/4	8,540	3/4	20,540	3/4	32,541	3/4	44,542	3/4	56,542	3/4	68,543	3/4	80,543	3/4	92,544	3/4	
8	8,790	8	20,790	8	32,791	8	44,792	8	56,792	8	68,793	8	80,794	8	92,794	8	
1/4	9,040	1/4	21,040	1/4	33,041	1/4	45,042	1/4	57,042	1/4	69,043	1/4	81,044	1/4	93,044	1/4	
1/2	9,290	1/2	21,290	1/2	33,291	1/2	45,292	1/2	57,292	1/2	69,293	1/2	81,294	1/2	93,294	1/2	
3/4	9,540	3/4	21,540	3/4	33,541	3/4	45,542	3/4	57,542	3/4	69,543	3/4	81,544	3/4	93,544	3/4	
9	9,790	9	21,790	9	33,791	9	45,792	9	57,792	9	69,793	9	81,794	9	93,794	9	
1/4	10,040	1/4	22,040	1/4	34,041	1/4	46,042	1/4	58,042	1/4	70,043	1/4	82,044	1/4	94,044	1/4	
1/2	10,290	1/2	22,290	1/2	34,291	1/2	46,292	1/2	58,292	1/2	70,293	1/2	82,294	1/2	94,294	1/2	
3/4	10,540	3/4	22,540	3/4	34,541	3/4	46,542	3/4	58,542	3/4	70,543	3/4	82,544	3/4	94,544	3/4	
10	10,790	10	22,790	10	34,791	10	46,792	10	58,792	10	70,793	10	82,794	10	94,794	10	
1/4	11,040	1/4	23,041	1/4	35,041	1/4	47,042	1/4	59,042	1/4	71,043	1/4	83,044	1/4	95,044	1/4	
1/2	11,290	1/2	23,291	1/2	35,291	1/2	47,292	1/2	59,292	1/2	71,293	1/2	83,294	1/2	95,294	1/2	
3/4	11,540	3/4	23,541	3/4	35,541	3/4	47,542	3/4	59,542	3/4	71,543	3/4	83,544	3/4	95,544	3/4	
11	11,790	11	23,791	11	35,791	11	47,792	11	59,792	11	71,793	11	83,794	11	95,794	11	
1/4	12,040	1/4	24,041	1/4	36,041	1/4	48,042	1/4	60,042	1/4	72,043	1/4	84,044	1/4	96,044	1/4	
1/2	12,290	1/2	24,291	1/2	36,291	1/2	48,292	1/2	60,292	1/2	72,293	1/2	84,294	1/2	96,294	1/2	
3/4	12,540	3/4	24,541	3/4	36,541	3/4	48,542	3/4	60,542	3/4	72,543	3/4	84,544	3/4	96,544	3/4	

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14'-10" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 7/2/92

*CAPACITY BELOW STRIKE POINT.

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.


CHAS. MARTIN CORPORATION

BARGE "IB-1021"

FORM-N-1-W-15x129

Chas. MARTIN

A COMPANY OF  INSPECTORATE

INGRAM BARGE LINES

SHEET NO. 2 OF 2

TANK NUMBER:

3

BARGE SHOULD BE ON EVEN -LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL N 1591

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		14 FEET		FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	96,794	0	108,795	0	120,796	0	132,694	0	144,239	0	155,416	0	162,512	0		0	
1/4	97,044	1/4	109,045	1/4	121,046	1/4	132,938	1/4	144,475	1/4	155,645	1/4		1/4		1/4	
1/2	97,294	1/2	109,295	1/2	121,296	1/2	133,182	1/2	144,711	1/2	155,873	1/2		1/2		1/2	
3/4	97,544	3/4	109,545	3/4	121,546	3/4	133,425	3/4	144,947	3/4	156,102	3/4		3/4		3/4	
1	97,794	1	109,795	1	121,796	1	133,669	1	145,182	1	156,331	1		1		1	
1/4	98,044	1/4	110,045	1/4	122,046	1/4	133,912	1/4	145,418	1/4	156,560	1/4		1/4		1/4	
1/2	98,294	1/2	110,295	1/2	122,296	1/2	134,156	1/2	145,654	1/2	156,789	1/2		1/2		1/2	
3/4	98,544	3/4	110,545	3/4	122,546	3/4	134,399	3/4	145,890	3/4	157,018	3/4		3/4		3/4	
2	98,794	2	110,795	2	122,796	2	134,643	2	146,126	2	157,247	2		2		2	
1/4	99,044	1/4	111,045	1/4	123,046	1/4	134,887	1/4	146,362	1/4	157,476	1/4		1/4		1/4	
1/2	99,294	1/2	111,295	1/2	123,296	1/2	135,130	1/2	146,597	1/2	157,705	1/2		1/2		1/2	
3/4	99,544	3/4	111,545	3/4	123,546	3/4	135,374	3/4	146,833	3/4	157,934	3/4		3/4		3/4	
3	99,795	3	111,795	3	123,796	3	135,617	3	147,069	3	158,163	3		3		3	
1/4	100,045	1/4	112,045	1/4	124,046	1/4	135,861	1/4	147,305	1/4	158,392	1/4		1/4		1/4	
1/2	100,295	1/2	112,295	1/2	124,296	1/2	136,102	1/2	147,538	1/2	158,620	1/2		1/2		1/2	
3/4	100,545	3/4	112,545	3/4	124,543	3/4	136,343	3/4	147,771	3/4	158,836	3/4		3/4		3/4	
4	100,795	4	112,795	4	124,792	4	136,584	4	148,005	4	159,051	4		4		4	
1/4	101,045	1/4	113,045	1/4	125,041	1/4	136,825	1/4	148,238	1/4	159,267	1/4		1/4		1/4	
1/2	101,295	1/2	113,295	1/2	125,289	1/2	137,066	1/2	148,471	1/2	159,482	1/2		1/2		1/2	
3/4	101,545	3/4	113,545	3/4	125,538	3/4	137,307	3/4	148,705	3/4	159,671	3/4		3/4		3/4	
5	101,795	5	113,795	5	125,787	5	137,548	5	148,938	5	159,859	5		5		5	
1/4	102,045	1/4	114,045	1/4	126,036	1/4	137,789	1/4	149,171	1/4	160,048	1/4		1/4		1/4	
1/2	102,295	1/2	114,295	1/2	126,284	1/2	138,030	1/2	149,404	1/2	160,236	1/2		1/2		1/2	
3/4	102,545	3/4	114,545	3/4	126,533	3/4	138,271	3/4	149,638	3/4	160,398	3/4		3/4		3/4	
6	102,795	6	114,795	6	126,782	6	138,512	6	149,871	6	160,560	6		6		6	
1/4	103,045	1/4	115,045	1/4	127,030	1/4	138,753	1/4	150,104	1/4	160,721	1/4		1/4		1/4	
1/2	103,295	1/2	115,295	1/2	127,279	1/2	138,994	1/2	150,337	1/2	160,883	1/2		1/2		1/2	
3/4	103,545	3/4	115,545	3/4	127,528	3/4	139,235	3/4	150,571	3/4	161,017	3/4		3/4		3/4	
7	103,795	7	115,795	7	127,777	7	139,476	7	150,804	7	161,152	7		7		7	
1/4	104,045	1/4	116,045	1/4	128,025	1/4	139,717	1/4	151,037	1/4	161,287	1/4		1/4		1/4	
1/2	104,295	1/2	116,295	1/2	128,272	1/2	139,955	1/2	151,268	1/2	161,421	1/2		1/2		1/2	
3/4	104,545	3/4	116,545	3/4	128,518	3/4	140,194	3/4	151,499	3/4	161,529	3/4		3/4		3/4	
8	104,795	8	116,795	8	128,764	8	140,432	8	151,729	8	161,637	8		8		8	
1/4	105,045	1/4	117,045	1/4	129,010	1/4	140,670	1/4	151,960	1/4	161,744	1/4		1/4		1/4	
1/2	105,295	1/2	117,295	1/2	129,256	1/2	140,909	1/2	152,191	1/2	161,852	1/2		1/2		1/2	
3/4	105,545	3/4	117,545	3/4	129,502	3/4	141,147	3/4	152,421	3/4	161,933	3/4		3/4		3/4	
9	105,795	9	117,795	9	129,748	9	141,386	9	152,652	9	162,014	9		9		9	
1/4	106,045	1/4	118,045	1/4	129,995	1/4	141,624	1/4	152,883	1/4	162,095	1/4		1/4		1/4	
1/2	106,295	1/2	118,295	1/2	130,241	1/2	141,863	1/2	153,113	1/2	162,175	1/2		1/2		1/2	
3/4	106,545	3/4	118,545	3/4	130,487	3/4	142,101	3/4	153,344	3/4	162,229	3/4		3/4		3/4	
10	106,795	10	118,795	10	130,733	10	142,339	10	153,575	10	162,283	10		10		10	
1/4	107,045	1/4	119,046	1/4	130,979	1/4	142,578	1/4	153,805	1/4	162,337	1/4		1/4		1/4	
1/2	107,295	1/2	119,296	1/2	131,225	1/2	142,816	1/2	154,036	1/2	162,391	1/2		1/2		1/2	
3/4	107,545	3/4	119,546	3/4	131,471	3/4	143,055	3/4	154,267	3/4	162,418	3/4		3/4		3/4	
11	107,795	11	119,796	11	131,718	11	143,293	11	154,497	11	162,445	11		11		11	
1/4	108,045	1/4	120,046	1/4	131,964	1/4	143,531	1/4	154,728	1/4	162,472	1/4		1/4		1/4	
1/2	108,295	1/2	120,296	1/2	132,207	1/2	143,767	1/2	154,957	1/2	162,499	1/2		1/2		1/2	
3/4	108,545	3/4	120,546	3/4	132,451	3/4	144,003	3/4	155,186	3/4	162,505	3/4		3/4		3/4	

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14'-10" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 7/2/92


CHAS. MARTIN CORPORATION