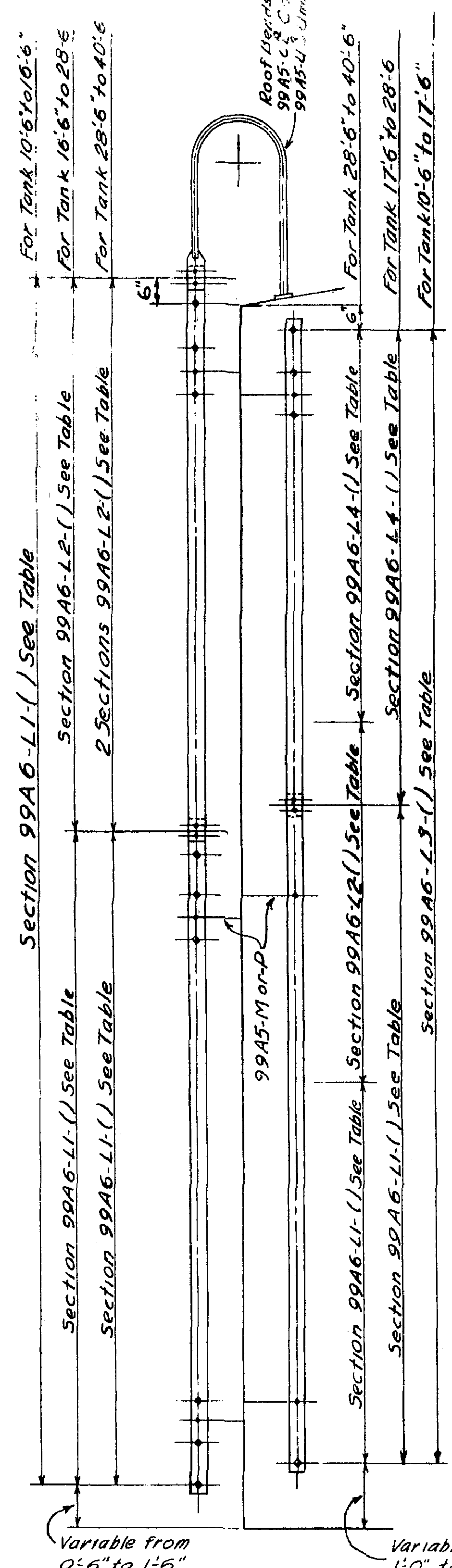
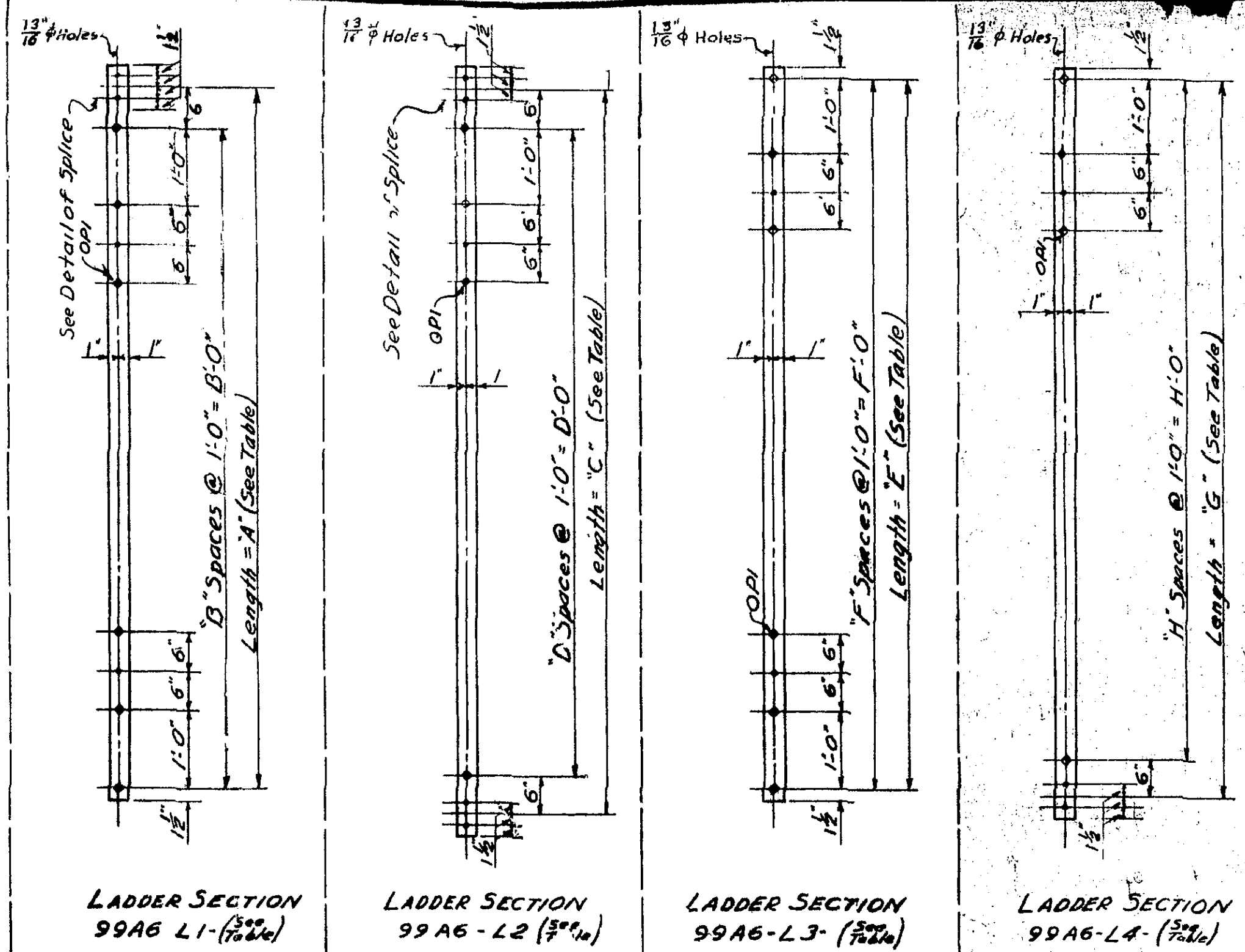
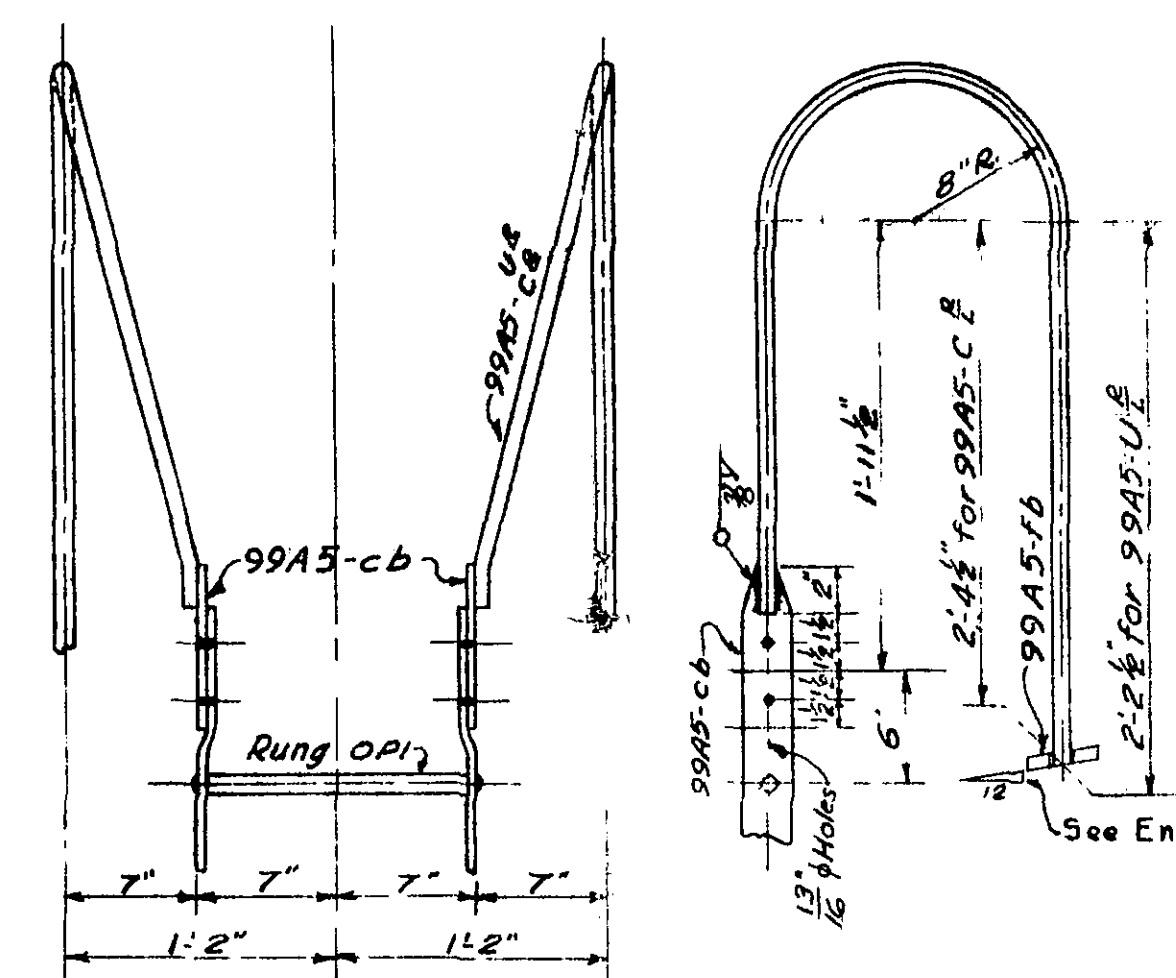




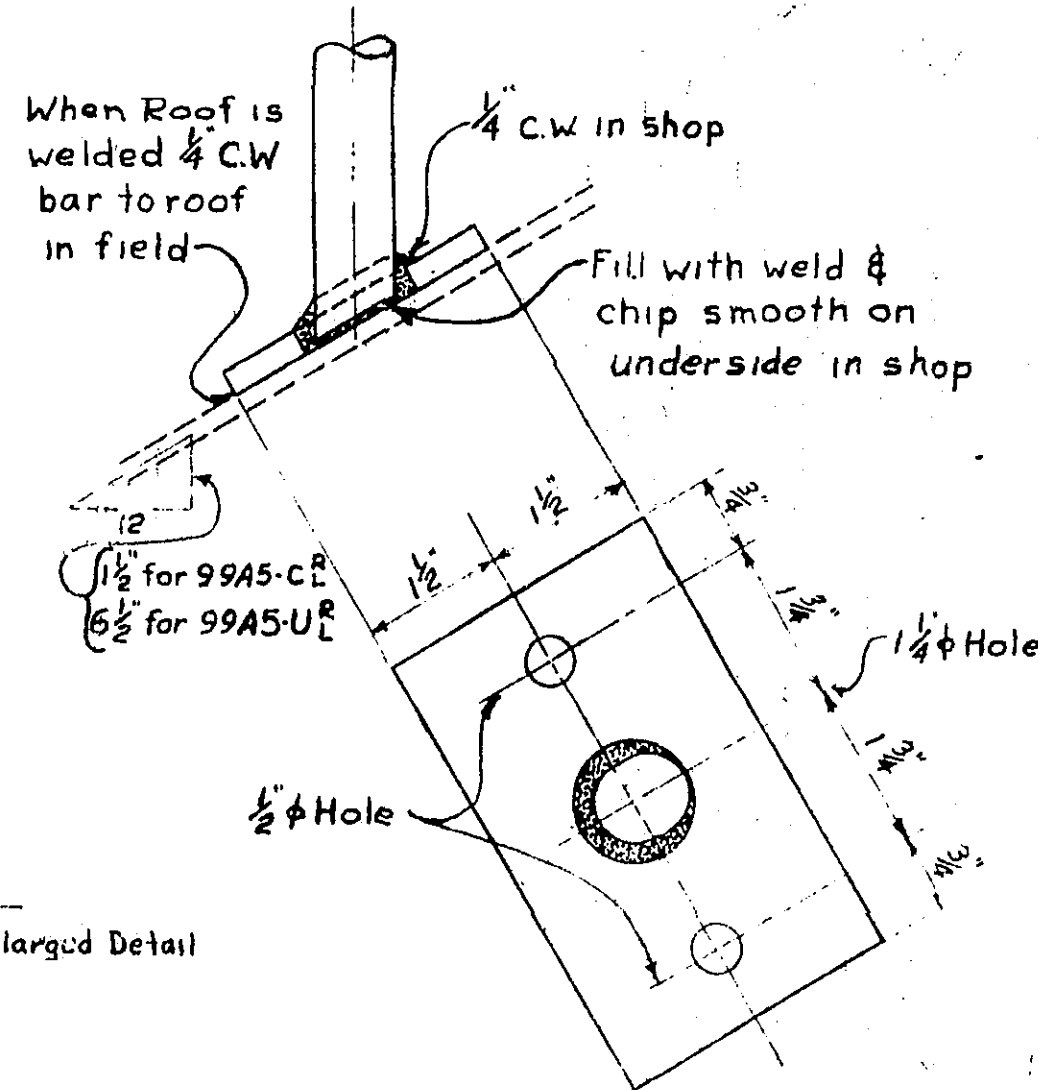
TYPICAL ELEVATION



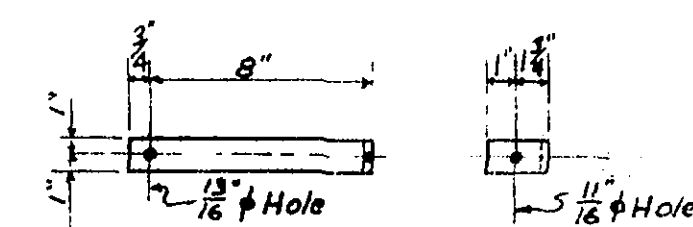
SECTION	A"	B"	SECTION	C"	D"	SECTION	E"	F"	SECTION	G"	H"
L1-10	10'-6"	10	L2-5	6'-0"	5	L3-9	9'-0"	9	L4-5	5'-6"	5
L1-11	11'-6"	11	L2-6	7'-0"	6	L3-10	10'-0"	10	L4-6	6'-6"	6
L1-12	12'-6"	12	L2-7	8'-0"	7	L3-11	11'-0"	11	L4-7	7'-6"	7
L1-13	13'-6"	13	L2-8	9'-0"	8	L3-12	12'-0"	12	L4-8	8'-6"	8
L1-14	14'-6"	14	L2-9	10'-0"	9	L3-13	13'-0"	13	L4-9	9'-6"	9
L1-15	15'-6"	15	L2-10	11'-0"	10	L3-14	14'-0"	14	L4-10	10'-6"	10
L1-6	6'-6"	6	L2-11	12'-0"	11	L3-15	15'-0"	15	L4-11	11'-6"	11



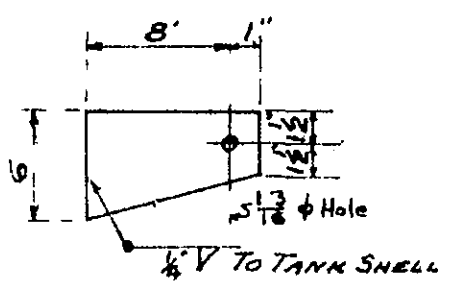
DETAIL OF ROOF-BENDS



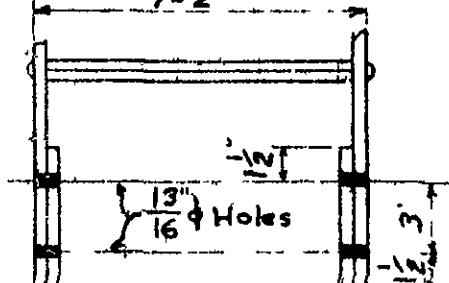
ENLARGED DETAIL OF 99A5-fb



DETAIL OF 99A5-M
For use on Riveted Tanks



LADDER LUG DETAIL
Welded Tanks Only
Mk 99A5-P



DETAIL OF SPLICE

GENERAL NOTES:
Do not put lugs on a seam line. Vary Normal schedule of ladders if necessary for lugs. Clear seams. For girths or other special conditions, Detail Lugs Special. Oil tanks and require inside ladders.

BILL OF MATERIAL

SHIP PCS	MARK	ASST. PCS	DESCRIPTION	LENGTH FT.	IN.
1	99A6-L1B		Ladder Section -		
	2		Bars 2x 3/8 x (A+4 1/2) Long		
	OP1	B+1	Rungs 3/8 x 6	1	2 1/4
alt.	4	99A5-M	Bars 2x 3/8 Bent	0	10 3/4
4	99A5-P		R-5K x 3/8 (9'x0'-9" Cuts 2)		
1	99A6-L2D		Ladder Section		
	2		Bars 2x 3/8 x (C+6) Long		
	OP1	D+1	Rungs 3/8 x 6	1	2 1/4
alt.	2	99A5-M	Bars 2x 3/8 Bent	0	10 3/4
2	99A5-P		R-5K x 3/8 (9'x0'-9" Cuts 2)		
1	99A6-L3F		Ladder Section		
	2		Bars 2x 3/8 x (E+3) Long		
	OP1	F+1	Rungs 3/8 x 6	1	2 1/4
alt.	4	99A5-M	Bars 2x 3/8 Bent	0	10 3/4
4	99A5-P		R-5K x 3/8 (9'x0'-9" Cuts 2)		
1	99A6-L4H		Ladder Section		
	2		Bars 2x 3/8 x (G+4 1/2) Long		
	OP1	H+1	Rungs 3/8 x 6	1	2 1/4
alt.	2	99A5-M	Bars 2x 3/8 Bent	0	10 3/4
2	99A5-P		R-5K x 3/8 (9'x0'-9" Cuts 2)		
2	99A5-U ²		Bends for Umbrella Roof		
	99A5-U ²	2	Rods 3/8 x 6 Bent	6	0 3/4
	99A5-cb	2	Bars 2x 3/8 SHIP WELD TO 99A5-U ²	0	8
	99A5-fb	2	Bars 3x 3/8 SHIP WELD TO 99A5-U ²	0	5
2	99A5-C ²		Bends for Cone Roof		
	99A5-C ²	2	Rods 3/8 x 6 Bent	6	2 3/4
	99A5-cb	2	Bars 2x 3/8 SHIP WELD TO 99A5-C ²	0	8
	99A5-fb	2	Bars 3x 3/8 SHIP WELD TO 99A5-C ²	0	5
			Bolts 3/4 x 1 1/2 (5q Hd & Nut)		

NORMAL SCHEDULE OF LADDERS

TANK HEIGHT	OUTSIDE LADDER	INSIDE LADDER	TANK HEIGHT	OUTSIDE LADDER	INSIDE LADDER
10'-6" to 11'-6"	L1-10	L3-9	26'-6" to 27'-6"	L1-14 L2-11	L1-14 L4-10
11'-6" to 12'-6"	L1-11	L3-10	27'-6" to 28'-6"	L1-15 L2-11	L1-15 L4-10
12'-6" to 13'-6"	L1-12	L3-11	28'-6" to 29'-6"	L1-12 L2-12	L1-12 L4-6
13'-6" to 14'-6"	L1-13	L3-12	29'-6" to 30'-6"	L1-13 L2-12	L1-13 L4-6
14'-6" to 15'-6"	L1-14	L3-13	30'-6" to 31'-6"	L1-12 L2-12	L1-12 L4-7
15'-6" to 16'-6"	L1-15	L3-14	31'-6" to 32'-6"	L1-13 L2-12	L1-13 L4-7
16'-6" to 17'-6"	L1-10 L2-5	L3-15	32'-6" to 33'-6"	L1-14 L2-12	L1-14 L4-7
17'-6" to 18'-6"	L1-10 L2-6	L1-10 L4-5	33'-6" to 34'-6"	L1-13 L2-12	L1-13 L4-8
18'-6" to 19'-6"	L1-10 L2-7	L1-10 L4-6	34'-6" to 35'-6"	L1-14 L2-12	L1-14 L4-8
19'-6" to 20'-6"	L1-11 L2-7	L1-11 L4-6	35'-6" to 36'-6"	L1-15 L2-12	L1-15 L4-8
20'-6" to 21'-6"	L1-11 L2-8	L1-11 L4-7	36'-6" to 37'-6"	L1-14 L2-12	L1-14 L4-9
21'-6" to 22'-6"	L1-12 L2-8	L1-12 L4-7	37'-6" to 38'-6"	L1-15 L2-12	L1-15 L4-9
22'-6" to 23'-6"	L1-12 L2-9	L1-12 L4-8	38'-6" to 39'-6"	L1-14 L2-12	L1-14 L4-10
23'-6" to 24'-6"	L1-13 L2-9	L1-13 L4-8	39'-6" to 40'-6"	L1-15 L2-12	L1-15 L4-10
24'-6" to 25'-6"	L1-13 L2-10	L1-13 L4-9			
25'-6" to 26'-6"	L1-14 L2-10	L1-14 L4-9			

PURCHASER'S ORDER NO. _____ PURCHASER'S RECD. NO. _____

NO. PRINTS TO	NO. PRINTS TO	NO. PRINTS TO	NO. PRINTS TO	NO. PRINTS TO	NO. PRINTS TO
SNIP OFF	INSPECTOR	SHAPE	MARK	WELDER	TOTAL
TEMPER	PLATE	FILTER			

PRINTS SENT TO: CHICAGO, GREENVILLE, BIRMINGHAM, FORT ERIE

REVISIONS

NO.	DATE	BY	REMARKS
1	8/10/42	C.H.W.	SLIGHT CHAS. ADDED
2	9/25/48	T.B.R.	L1-6

CHICAGO BRIDGE & IRON CO.
CHICAGO, ILL. - GREENVILLE, PA. - BIRMINGHAM, ALA.

STANDARD LADDER
FOR FLAT BOTTOM TANKS

DRAWN BY: J.W.C. DATE: 8-10-42
CHECKED BY: J.W.C.
SHEET 1 OF 1

99A6