TRUSS T-100 - SEE SHEET 15 FOR PROFILE

DEAD LOAD + SNOW LOAD							DEAD LOAD + LIVE LOAD						
MEMBER MARK	FORCE KIPS		MEMBER SIZE	WELDING LENGTH IN. ½"	WELDING LENGTH IN. ⅝"	REMARKS	MEMBER MARK	FORCE KIPS		MEMBER SIZE	WELDING LENGTH IN. ½"	WELDING LENGTH IN. ⅝"	REMARKS
1 THRU 10	165k MAX. @ 5 & 6	(T)	WT6 x 36			SEE TRUSS DETAILS FOR WELDING.	1 THRU 10	117k MAX. @ 5 & 6	(T)	WT6 x 22.5			SEE TRUSS DETAILS FOR WELDING.
11 THRU 22	154k MAX. @ 17 & 18	(C)	WT6 x 36				11 THRU 22	109k MAX. @ 17 & 18	(C)	WT6 x 22.5			
23 THRU 33	6k MAX. @ 23	(C)	2 ⊢ 2 x 2 x 3/16				23 THRU 33	4k MAX. @ 23	(C)	2 ⊢ 2 x 2 x 3/16			
34	51k	(T)	WT6 x 36				34	36k	(T)	WT6 x 22.5			
35	46k	(C)	2 ⊤ 3 1/2 x 3 x 1/4	5 1/4	3	LONG LEGS BACK TO BACK	35	33k	(C)	2 ⊤ 3 x 2 1/2 x 1/4	4	2 1/2	LONG LEGS BACK TO BACK
36	38k	(T)	2 ⊤ 2 1/2 x 2 x 1/4	5	2 1/2	LONG LEGS BACK TO BACK	36	25k	(T)	2 ⊤ 2 1/2 x 2 x 3/16	3 1/2	2	LONG LEGS BACK TO BACK
37	31k	(C)	2 ⊤ 3 x 2 1/2 x 1/4	4 1/2	2	LONG LEGS BACK TO BACK	37	22k	(C)	2 ⊤ 2 1/2 x 2 x 1/4	3	2	LONG LEGS BACK TO BACK
38	23k	(T)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	2	LONG LEGS BACK TO BACK	38	16k	(T)	2 ⊤ 2 x 2 x 3/16	2	2	
39	15k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	1 1/2	LONG LEGS BACK TO BACK	39	13k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	1 1/2	1 1/2	LONG LEGS BACK TO BACK
40	13k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	1 1/2	LONG LEGS BACK TO BACK	40	11k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	1 1/2	1 1/2	LONG LEGS BACK TO BACK
41	26k	(T)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	2	LONG LEGS BACK TO BACK	41	16k	(T)	2 ⊤ 2 x 2 x 3/16	2	2	
42	31k	(C)	2 ⊤ 3 x 2 1/2 x 1/4	4 1/2	2	LONG LEGS BACK TO BACK	42	22k	(C)	2 ⊤ 2 1/2 x 2 x 1/4	3	2	LONG LEGS BACK TO BACK
43	41k	(T)	2 ⊤ 2 1/2 x 2 x 1/4	5	2 1/2	LONG LEGS BACK TO BACK	43	28k	(T)	2 ⊤ 2 1/2 x 2 x 3/16	3 1/2	2	LONG LEGS BACK TO BACK
44	42k	(C)	2 ⊤ 3 1/2 x 3 x 1/4	5 1/4	3	LONG LEGS BACK TO BACK	44	36k	(C)	2 ⊤ 3 x 2 1/2 x 1/4	4	2 1/2	LONG LEGS BACK TO BACK
45	46k	(T)	WT6 x 36			SEE WELDING DETAILS	45	34k	(T)	WT6 x 22.5			SEE WELDING DETAILS

TRUSS T-80 - SEE SHEET 13 FOR PROFILE

DEAD LOAD + SNOW LOAD							DEAD LOAD + LIVE LOAD						
1 THRU 10	131k MAX. @ 5 & 6	(T)	WT6 x 25			SEE TRUSS DETAILS FOR WELDING.	1 THRU 10	92k MAX. @ 5 & 6	(T)	WT6 x 17.5			SEE TRUSS DETAILS FOR WELDING
11 THRU 22	122k MAX. @ 15 & 16	(C)	WT6 x 25				11 THRU 22	87k MAX. @ 15 & 16	(C)	WT6 x 17.5			
23 THRU 33	5k MAX. @ 23	(C)	2 ⊢ 2 x 2 x 3/16				23 THRU 33	4k MAX. @ 23	(C)	2 ⊢ 2 x 2 x 3/16			
34	44k	(T)	WT6 x 25				34	31k	(T)	WT6 x 17.5			
35	39k	(C)	2 ⊤ 3 x 2 x 1/4	4 1/2	2 1/2	LONG LEGS BACK TO BACK	35	28k	(C)	2 ⊤ 2 1/2 x 2 x 1/4	3 1/2	2	LONG LEGS BACK TO BACK
36	29k	(T)	2 ⊤ 2 1/2 x 2 x 1/4	4	2 1/2	LONG LEGS BACK TO BACK	36	28k	(T)	2 ⊤ 2 x 2 x 3/16	3	2	
37	23k	(C)	2 ⊤ 2 1/2 x 2 x 1/4	3 1/2	2	LONG LEGS BACK TO BACK	37	17k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	1 1/2	LONG LEGS BACK TO BACK
38	16k	(T)	2 ⊤ 2 1/2 x 2 x 3/16	3	2	LONG LEGS BACK TO BACK	38	11k	(T)	2 ⊤ 2 x 2 x 3/16	2	2	
39	11k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	1 1/2	LONG LEGS BACK TO BACK	39	8k	(C)	2 ⊤ 2 x 2 x 3/16	2	1 1/2	
40	15k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	1 1/2	LONG LEGS BACK TO BACK	40	10k	(C)	2 ⊤ 2 x 2 x 3/16	2	1 1/2	
41	22k	(T)	2 ⊤ 2 1/2 x 2 x 3/16	3	2	LONG LEGS BACK TO BACK	41	17k	(T)	2 ⊤ 2 x 2 x 3/16	2	2	
42	26k	(C)	2 ⊤ 2 1/2 x 2 x 1/4	3 1/2	2	LONG LEGS BACK TO BACK	42	16k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	1 1/2	LONG LEGS BACK TO BACK
43	32k	(T)	2 ⊤ 2 1/2 x 2 x 1/4	4	2 1/2	LONG LEGS BACK TO BACK	43	23k	(T)	2 ⊤ 2 x 2 x 3/16	3	2	
44	33k	(C)	2 ⊤ 3 x 2 x 1/4	4 1/2	2 1/2	LONG LEGS BACK TO BACK	44	23k	(C)	2 ⊤ 2 1/2 x 2 x 1/4	3 1/2	2	LONG LEGS BACK TO BACK
45	37k	(T)	WT6 x 25			SEE WELDING DETAILS	45	26k	(T)	WT6 x 17.5			SEE WELDING DETAILS

TRUSS T-55 - SEE SHEET 11 FOR PROFILE

DEAD LOAD + SNOW LOAD							DEAD LOAD + LIVE LOAD						
1 THRU 8	96k MAX. @ 3 & 4	(T)	WT6 x 22.5			SEE TRUSS DETAILS FOR WELDING.	1 THRU 8	69k MAX. @ 3 & 4	(T)	WT6 x 15			SEE TRUSS DETAILS FOR WELDING.
9 THRU 18	105k MAX. @ 11 & 12	(C)	WT6 x 25				9 THRU 18	76k MAX. @ 11 & 12	(C)	WT6 x 17.5			
19 THRU 27	12k MAX. @ 23	(C)	2 ⊢ 2 x 2 x 3/16				19 THRU 27	8k MAX. @ 23	(C)	2 ⊢ 2 x 2 x 3/16			
28	38k	(T)	WT6 x 22.5				28	28k	(T)	WT6 x 15			
29	32k	(C)	2 ⊤ 3 x 2 1/2 x 3/16	4 1/2	2	LONG LEGS BACK TO BACK	29	23k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	3	2	LONG LEGS BACK TO BACK
30	23k	(T)	2 ⊤ 2 1/2 x 2 x 3/16	3 1/2	2	LONG LEGS BACK TO BACK	30	17k	(T)	2 ⊤ 2 x 2 x 3/16	2 1/2	1 1/2	
31	17k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	2	LONG LEGS BACK TO BACK	31	12k	(C)	2 ⊤ 2 x 2 x 3/16	2	1 1/2	
32	18k	(T)	2 ⊤ 2 x 2 x 3/16	2	1 1/2		32	8k	(T)	2 ⊤ 2 x 2 x 3/16	2	1 1/2	
33	14k	(T)	2 ⊤ 2 x 2 x 3/16	2	1 1/2		33	10k	(T)	2 ⊤ 2 x 2 x 3/16	2	1 1/2	
34	28k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	2 1/2	2	LONG LEGS BACK TO BACK	34	14k	(C)	2 ⊤ 2 x 2 x 3/16	2	1 1/2	
35	27k	(T)	2 ⊤ 2 1/2 x 2 x 3/16	3 1/2	2	LONG LEGS BACK TO BACK	35	19k	(T)	2 ⊤ 2 x 2 x 3/16	2 1/2	1 1/2	
36	29k	(C)	2 ⊤ 3 x 2 1/2 x 3/16	4 1/2	2	LONG LEGS BACK TO BACK	36	21k	(C)	2 ⊤ 2 1/2 x 2 x 3/16	3	2	LONG LEGS BACK TO BACK
37	32k	(T)	WT6 x 22.5			SEE WELDING DETAILS	37	24k	(T)	WT6 x 15			SEE WELDING DETAILS

Symbol	Description	Date	Approved

Revisions

U.S. ARMY ENGINEER DIVISION,
HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

Site adapt A/E :

US Army Corps of Engineers

STANDARD FUELING SYSTEMS
ABOVEGROUND VERTICAL STEEL TANKS
WITH FLOATING PANS & FIXED ROOFS

ROOF TRUSSES

(55K, 80K, & 100K BARREL TANK)

Dwn. by: CWL	Ckd. by: SLW		
Reviewed by :	Date : FEB 93	Sheet reference number : 17	Design file no.:
Approved by :	Drawing code : AW 78-24-27		Rev.
			Sheet 17 of 24