

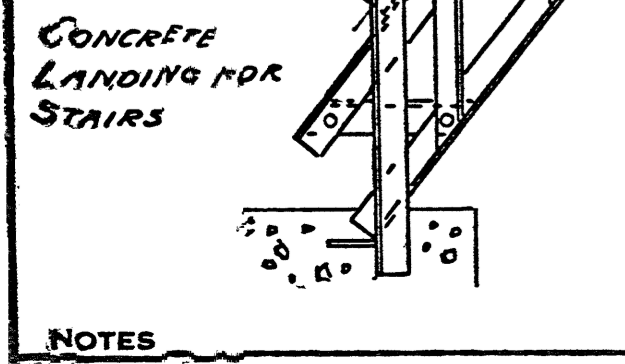
**BOLT SIZES**

(A)	3/4" x 1 1/2" Sq Hd Hex Nut - 1 Long Thread & Lock Washer
(B)	3/4" x 1 3/4" do
(C)	3/4" x 1 3/8" do
(D)	3/4" x 1 3/4" do
(E)	3/4" x 1 1/2" do
(F)	3/4" x 2" do
(G)	3/4" x 2 1/2" do
(H)	3/4" x 2" Sq Hd 2 Hex Nuts 1 3/8" Long Thread & Lock Washer
(I)	3/4" x 1 1/2" Sq Hd 1 Hex Nut 1 1/8" Long Thread & Lock Washer
(J)	3/8" x 1 1/2" do
(K)	3/8" x 1 1/2" Sq Hd 1 Hex Nut 3/4" Long Thread & Lock Washer
(L)	1/2" x 1 1/2" do
(M)	1/2" x 1 1/2" do
(N)	3/8" x 1 1/2" Sq Hd 1 Hex Nut 3/8" Long Thread & Lock Washer
(O)	1/4" x 1 1/2" Brass Round Hd with Slot-Hex Nut-Full Thread
(P)	1/4" x 1 1/2" Brass do
(Q)	1/4" x 1 1/2" Brass do

**HEIGHT**

HEIGHT	A	B	C	D	E	F	G	K	ANCHOR BOLT SIZE	BED PLATE
45.9	13 10 1/2	19 8"	5 3"	3 0"	2 3"	3 1/2"	3 3/4"	4 0"	3/4" x 5 0"	18 3/4"
59.3	15 11 1/2	22 6 3/4"	5 6"	3 0"	2 9"	4"	3 3/4"	4 6"	1/2" x 5 2"	18 2 1/4"
72.9	18 0 1/2	25 5 3/4"	5 9"	3 3"	3 0"	4 1/4"	3 3/4"	4 9"	1/2" x 5 7"	do
79.6	19 0 1/2	26 10 1/2"	6 0"	3 9"	3 0"	4 1/2"	3 3/4"	5 0"	1 x 6 0"	18 2 1/2"
86.3	20 0 1/2	28 3 3/4"	6 6"	4 0"	3 0"	4 1/2"	3 3/4"	5 6"	1 x 6 0"	18 2 1/2"
99.9	22 0 1/2	31 2 1/4"	6 9"	4 0"	3 3"	5"	3 3/4"	5 6"	1 1/2 x 6 9"	18 2 1/2"

**ERECTION NOTES**  
 On the ground, completely assemble the 4 roof sheets 108-F to the roof L-101-F 102-F 102 1/2-F and s plate 106-F before raising the assembly, which weighs about 225#, into position, have the sash and the 4 pieces of flashing 109-F and 4 pieces 116-F assembled in position.  
 Lumber platforms, house floors, and stair treads will be secured with carriage bolts & lock washers use 2 1/2" long bolts thru house floor and stair treads and 2 1/4" long bolts on platforms.  
 The 4 masonry p's should be carefully leveled before assembling towers above first leg section.



ASSEMBLE GUSSET & BENT SHOE TO TOWER LEG WITH BOLT HEADS OUTSIDE BEFORE SETTING LEG ON ANCHOR BOLT.

(45.9)(59.3)(72.9)(79.6)(86.3)(99.9)

**STEEL ERECTION**  
**FOREST OBSERVATION TOWERS**  
**INSIDE STAIRWAY TYPE**

THE INTERNATIONAL DERRICK AND EQUIPMENT COMPANY  
 COLUMBUS, O. HOUSTON, TEX. TORRENCE, CAL.

NAME: [ ]  
 DATE: 10/25/52  
 BY: [ ]  
 SCALE: [ ]

DRAWING NO. **E-4898** SHEET NO. **E-1**  
 NO. OF SHEETS