



NOTES

ALL TRUSS TIMBERS, JOISTS AND FLOOR BEAMS TO SELECT STRUCTURAL AND ALL OTHER TIMBER TO SELECT MERCHANTABLE, EITHER ROUND OR SISE TO FILL. SIZE ALL LUMBER EXCEPT HANDRAILS PREFERABLY PRESSURE CROSGOTED IF NOT SO TREATED, PROTECT CHORD STRINGS, FLOOR BEAMS AND STRAINERS WITH ASPHALT ROOFING WEIGHING 55 LB. OF MORE PER 100 SQ FT AND DAUB JOINTS AND DIP ANGLE BLOCKS IN BOILING CROSGOTE ANGLE BLOCKS TO SELECT LUMBER SEASONED BEFORE FRAMING
LAY DECK WITH 1/2" SPACING USE 2-60° SPIKES AT EACH END AND ONE IN EACH INTERMEDIATE STRAINER

DESIGNED FOR 5 FT OF SNOW
SNOW LOAD = 350# PER LINEAL FT OF BRIDGE

FIG 40
U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION 6

TIMBER HOWE TRUSS
80-90 & 100 FT SPANS
6 FT. ROADWAY
HORSE TRAIL

DESIGNED BY R.W.L.

5-M-45

FEB 1938

MARK	DESCRIPTION	SIZE	NO. REQ.			DESCRIPTION	NO. REQ.	SIZE
			80'-6" SPAN	82'-0" SPAN	100'-6" SPAN			
P	PANEL LENGTH & HEIGHT		12'-6"	12'-0"	12'-0"	MACHINE BOLTS, SOME B NUTS	4	5/8" x 3"
D	DIAGONAL LENGTH		15'-3"	16'-13/4"	20'-3/4"		30	3" x 12"
U	TOP CHORDS	3 1/2" x 10"	4	28'-3 1/2"	6	21'-9 1/2"	4	24'-0"
	TOP SPLICES	4' x 8"	4	4'-0"	8	4'-0"	8	4'-0"
L	BOTTOM CHORDS	3 1/2" x 10"	4	28'-0"	4	32'-0"	4	34'-0"
S	FLOOR BEAMS	3 1/2" x 10"	2	27'-0"	2	28'-0"	2	34'-0"
U	TOP SPLICES	4' x 8"	2	6'-0"	2	6'-0"	2	6'-0"
L	END POST	6' x 8"	4	15'-11 1/2"	4	17'-0 1/4"	4	19'-1 1/4"
L	DIAGONALS	6' x 8"	4	14'-5"	4	16'-3 3/4"	4	18'-5 1/4"
S	STRAINERS	6' x 6"	4	14'-5"	4	16'-3 3/4"	4	18'-5 1/4"
S	STRAINERS	6' x 6"	4	14'-5"	4	16'-3 3/4"	4	18'-5 1/4"
AB	ANGLE BLOCKS - MATERIAL	8' x 8"	2	16'-0"	2	16'-0"	2	16'-0"
L	BOLTERS	6' x 8"	1	12'-0"	1	12'-0"	1	12'-0"
F	FLOOR BEAMS	6' x 10"	8	14'-0"	8	15'-0"	8	16'-0"
S	STRAINERS	3' x 10"	12	14'-0"	28	14'-0"	28	16'-0"
	SCARS	3' x 10"	12	12'-0"	12	12'-0"	12	12'-0"
	DECK	3' x 12"	42	14'-0"	46	14'-0"	52	14'-0"
	GUARD RAIL	4' x 4"	14	12'-0"	14	14'-0"	14	16'-0"
	HAND RAIL	3' x 4"	12	14'-0"	28	14'-0"	28	16'-0"
	HAND RAIL POSTS	4' x 4"	8	10'-0"	8	10'-0"	8	10'-0"
	TOP STRUTS	4' x 6"	6	8'-0"	6	8'-0"	6	8'-0"
	TOP & BOTT. LATERALS	4' x 6"	19	14'-0"	6	16'-0"	2	18'-0"
	KNEE BRACES	4' x 6"	4	12'-0"	4	12'-0"	4	12'-0"
L	VERTICAL ROGS-ROUNDS	4	14' x 2 1/2"	4	16' x 1 1/2"	4	18' x 1 1/2"	
S	STRAINERS	4	16' x 2 1/2"	4	18' x 1 1/2"	4	20' x 1 1/2"	
	TOTAL LUMBER - F.B.M.		7409	8065	8953			
	TOTAL HARDWARE - LBS.		1430#	1560#	1700#			

NOTES

INCREASE THE NUMBER OF SPLICES IF SHORTER CHORD MEMBERS ARE DESIRED
BORE HOLES 1/16" OVERSIZE FOR BOLTS, 1/8" OVERSIZE FOR TRUSS ROGS, AND 1/16" UNDERSIZE FOR DRIFT PINS

BILL OF TRUSS ROGS