



BILL OF MATERIAL

MARK	DESCRIPTION	SIZE	50'-0" SPAN			60'-1" SPAN			70'-0" SPAN			DESCRIPTION	NO REQ	SIZE
			NO REQ	LENGTH	NO REQ	LENGTH	NO REQ	LENGTH	NO REQ	LENGTH	NO REQ			
P	PANEL LENGTH & HEIGHT		7'-2"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	22'-0"	24'-0"	18	3/4"x10"	
D	DIAGONAL LENGTH		10'-13/8"	12'-15/8"	14'-17/8"	16'-19/8"	18'-21/8"	20'-23/8"	22'-25/8"	24'-27/8"	65	3/8"x12"		
U	TOP CHORDS	6"x6"	4	18'-3"	4	21'-11/2"	4	25'-6"	4	29'-6"	12	5/8"x14"		
	TOP CHORD SPLICES	3"x6"	4	3'-6"	4	3'-6"	4	3'-6"	4	3'-6"	13	3/4"x12"		
L	BOTTOM CHORDS	6"x6"	4	26'-0"	4	22'-0"	4	26'-0"	4	26'-0"	4	3/4"x14"		
L	BOTTOM CHORD SPLICES	6"x6"	2	17'-0"	2	17'-0"	2	19'-10"	2	19'-10"	30	3/4"x18"		
L	END POST	6"x6"	4	8'-2"	4	11'-2"	4	14'-2"	4	17'-2"	4	3/4"x12"		
L	DIAGONALS	6"x6"	4	8'-5 1/2"	4	10'-5 1/2"	4	12'-5 1/2"	4	14'-5 1/2"	36	3/4"x8"		
L	VERTICALS	6"x6"	4	8'-7 1/2"	4	10'-7 1/2"	4	12'-7 1/2"	4	14'-7 1/2"	9	3/4"x14"		
L	ANGLE BLOCKS - MATERIAL	6"x6"	4	8'-0"	4	8'-0"	4	8'-0"	4	8'-0"	22	5/8"x10"		
L	BOLSTERS	6"x6"	1	8'-0"	1	8'-0"	1	8'-0"	1	8'-0"	4	0'-6"		
L	FLOOR BEAMS	6"x6"	2	8'-0"	2	8'-0"	2	8'-0"	2	8'-0"	8	6"x2"x10"-6"		
L	STRINGERS	6"x6"	14	16'-0"	6	12'-0"	6	12'-0"	6	12'-0"	16	5"x2"x10"-5"		
L	SCABS	3"x6"	14	16'-0"	14	16'-0"	14	16'-0"	14	16'-0"	18	4"x3"x10"-4"		
L	DECK	3"x12"	26	14'-0"	31	14'-0"	36	14'-0"	41	14'-0"	125 P			
L	GUARD RAIL	4"x4"	7	16'-0"	7	16'-0"	7	16'-0"	7	16'-0"	110	5/8"		
L	HAND RAIL	4"x4"	3	16'-0"	3	16'-0"	3	16'-0"	3	16'-0"	110	5/8"		
L	HAND RAIL POSTS	4"x4"	14	16'-0"	14	16'-0"	14	16'-0"	14	16'-0"				
L	BOTTOM LATERALS	4"x4"	14	10'-0"	14	10'-0"	14	10'-0"	14	10'-0"				
L	KNEE BRACES	4"x6"	6	14'-0"	6	14'-0"	6	14'-0"	6	14'-0"				
L	VERTICAL RODS - ROUNDS		4	11'-8"	4	11'-8"	4	11'-8"	4	11'-8"				
L	TOTAL LUMBER - F.B.M			3900		4348		4974		4974				
L	TOTAL HARDWARE - LBS			830		940		1020		1020				

NOTES
 ALL TRUSS TIMBERS, JOISTS AND FLOOR BEAMS TO BE SELECT STRUCTURAL AND ALL OTHER TIMBER TO BE SELECT MERCHANTABLE, EITHER ROUGH OR SISE TO FULL SIZE ALL LUMBER EXCEPT HANDRAILS PREFERABLY PRESSURE CRESSOTE IF NOT SO TREATED, PROTECT CHORD SPLICES, FLOOR BEAMS AND STRINGERS WITH ASPHALT ROOFING WEIGHING 55 LB OR MORE PER 100 SQ FT AND DAUB JOINTS AND DIP ANGLE BLOCKS IN BOILING CRESSOTE ANGLE BLOCKS TO BE SELECT LUMBER SEASONED BEFORE FRAMING

LAY DECK WITH 1/2" SPACING USE 2-60^Ø SPIKES AT EACH END AND ONE IN EACH INTERMEDIATE STRINGER

INCREASE THE NUMBER OF SPLICES IF SHORTER CHORD MEMBERS ARE DESIRED

BORE HOLES 1/16" OVERSIZE FOR BOLTS, 1/8" OVERSIZE FOR TRUSS RODS, AND 1/16" UNDER-SIZE FOR DRIFT BOLTS

DESIGNED FOR 5 FT OF SNOW
 SNOW LIVE LOAD - 350^Ø PER LINEAL FT OF BRIDGE

FIG 39

US DEPARTMENT OF AGRICULTURE
 FOREST SERVICE
 REGION 6

TIMBER HOWE TRUSS
 50-60 & 70 FT SPANS
 6 FT ROADWAY
 HORSE TRAIL