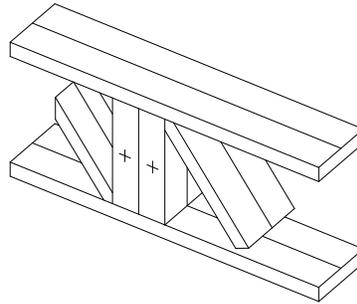
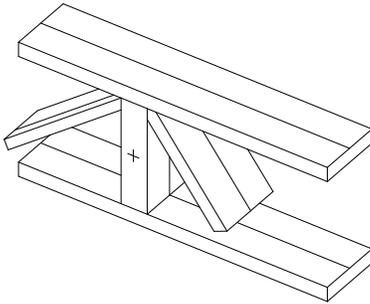
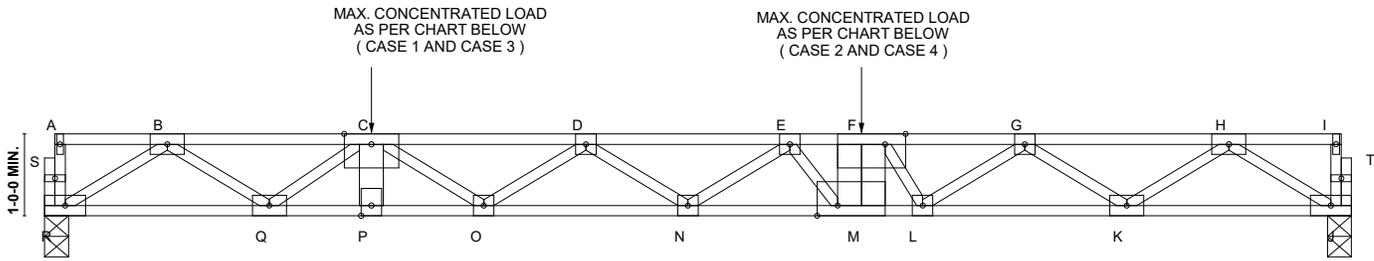




REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES



CASE 1 - SINGLE BLOCK - (1) BOLT

CASE 2 - DOUBLE BLOCK - (1) BOLT EACH

BLOCK SPECIES	MAX. CONC. LOAD (lbs.)		
	1/2" DIAM. BOLT	5/8" DIAM. BOLT	3/4" DIAM. BOLT
SP	1270	1590	1920
DOUG-FIR	1220	1520	1830
SPF	1120	1380	1610

BLOCK SPECIES	MAX. CONC. LOAD (lbs.)		
	1/2" DIAM. BOLT	5/8" DIAM. BOLT	3/4" DIAM. BOLT
SP	2540	3180	3840
DOUG-FIR	2440	3040	3660
SPF	2240	2760	3220

CASE 3 - SINGLE BLOCK - (2) BOLTS EACH

CASE 4 - DOUBLE BLOCK - (2) BOLTS EACH

BLOCK SPECIES	MAX. CONC. LOAD (lbs.)		
	1/2" DIAM. BOLT	5/8" DIAM. BOLT	3/4" DIAM. BOLT
SP	2550	3180	3850
DOUG-FIR	2440	3040	3670
SPF	2240	2760	3230

BLOCK SPECIES	MAX. CONC. LOAD (lbs.)		
	1/2" DIAM. BOLT	5/8" DIAM. BOLT	3/4" DIAM. BOLT
SP	5100	6360	7700
DOUG-FIR	4880	6080	7340
SPF	4480	5520	6460

NOTE: ALL BOLTS MUST MEET ASTM A307 STANDARDS (Fyb >= 45 ksi)

POSITION ALL BOLTS AT THE MEMBER CENTERLINE USING A 3" ON CENTER BOLT SPACING AND 3" MINIMUM MEMBER END DISTANCE. AVOID PLACING BOLTS IN THE PLATE AREA WHENEVER POSSIBLE.

NOTE: TO OBTAIN THE FULL ALLOWABLE DESIGN VALUE OF THE BOLT, IT IS IMPORTANT THE HOLE BE PROPERLY PREPARED. SHARP TOOLS MUST BE USED AND THE RATE OF DRILLING MUST BE PROPERLY CONTROLLED TO ENSURE A SMOOTH SIDED HOLE. FOR PROPER BEARING THE HOLE DIAMETER MUST BE 1/32" LARGER THAN THE BOLT DIAMETER. A METAL PLATE, METAL STRAP, OR WIDE FLANGE WASHER IS NECESSARY BETWEEN THE WOOD AND THE BOLT HEAD AND THE NUT. THE THREADED PORTION OF THE BOLTS SUBJECT TO WOOD BEARING SHALL BE KEPT TO A MINIMUM. THE BOLTS MAY BE COUNTERSUNK TO A DEPTH SUCH THAT THE BOLT HEAD IS FLUSH WITH THE FACE OF THE BLOCK. (MAX. 1/2")