

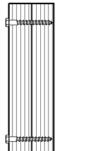
1/4 x 3 1/2" SDS

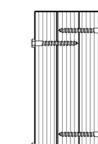
Model

1/4 x 3 1/2 SDS

1/4 x 4 1/2 SDS

1/4 x 6 SDS





Assembly B1

(3) 1 3/4" LVL's

3 1/2" 2 1/4"

2 3/4"

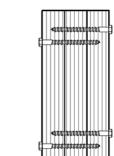
3 1/4"

4 1/2"

6"

LAMINATED VENEER LUMBER (LVL)

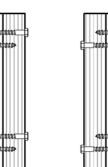
1/4 x 3 1/2" SDS

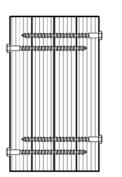


Assembly B2

(3) 1 3/4" LVL's

1/4 x 4 1/2" SDS





Assembly C

(4) 1 3/4" LVL's

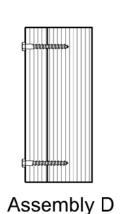
1/4 x 6" SDS

Head Stamp

S3.5

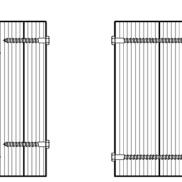
S4.5

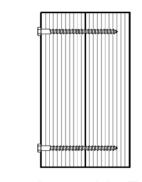
S6



(1) 1 3/4", (1) 3 1/2" LVL's

1/4 x 3 1/2" SDS





Assembly F (2) 1 3/4", (1) 3 1/2" LVL's (2) 3 1/2" LVL's 1/4 x 6" SDS

Assembing Multiple Plies of LVL Timber (To achieve maximum transition of loads between plies):

Assembly E

1/4 x 3 1/2" SDS

- 1. Fastener Spacing:
- a. Beams < or = to 14 inches: Fasten multiple members with 2 rows of 1/4" SDS screws at 12" o/c.
- b. Beams 16" and deeper: Fasten multiple members with 3 rows of 1/4" SDS screws at 12" o/c.
- 2. Minimum Edge and End Distances for 1/4" SDS fasteners (Wide Face)
- a. End distance: 4" b. Edge distance: 1 1/2"
- c. Spacing parallel to grain: 4"

FASTENING SPACING

2. 3-PLY OR GREATER BEAMS:

16" O/C STAGGER SPACED

MINIMUM EDGE DISTANCE

2 PLY BEAMS:

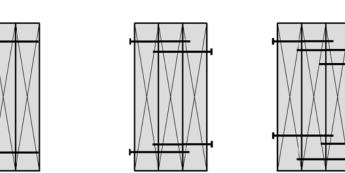
- d. Spacing perpendicular to grain: 2"
- 3. Fastener Length: See schematic above (ref Simpson Strong Tie):

a. 2 ROWS OF 10D (0.148"Ø) x 3" HDG NAILS

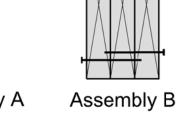
a. 2 ROWS OF 16D (0.162"Ø) x 3 1/2" HDG NAILS

4. CENTER TO CENTER LONGITUDINAL C/L SPACING =

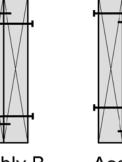
3. IF BEAM IS PRESSURE TREATED, USE STAINLESS STEEL NAILS!



Details Developed By APPIAN Consulting Engineers



NOT TO SCALE



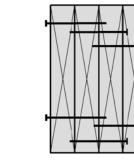
S-32 ASSEMBLYING PLYS OF

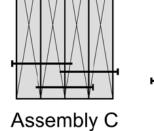
SOLID SAWN LUMBER

Details Developed By APPIAN Consulting Engineers

SUPPORT DETAILS

S-55 PROPER ASSEMBLY OF BEAMS









Assembly D

a. END EDGE DISTANCE = 4" b. EDGE DISTANCE = 1 1/2"

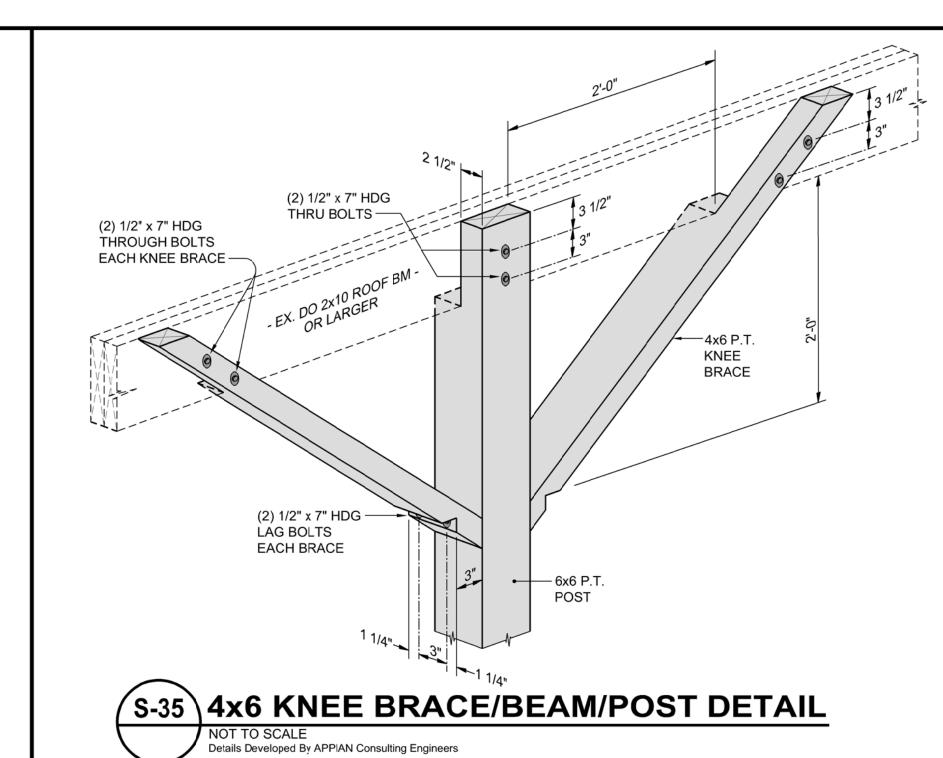
* NOTE SEE ALSO DETAIL S-55 CONSULTING ENGINEERS, P.A. CIVIL, MUNICIPAL &

STRUCTURAL ENGINEERS COMPREHENSIVE ENVIRONMENTAL SERVICES BLN = C0562

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