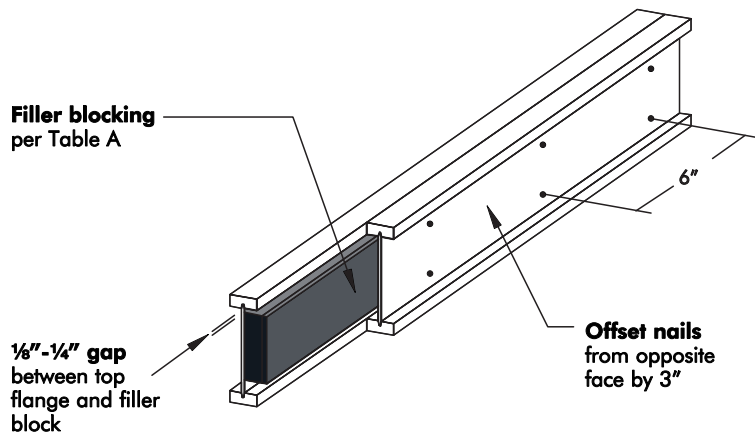


FIGURE A

# 1u DOUBLE RFPI®-JOIST CONSTRUCTION



## Notes:

1. Double I-joists may be required to frame openings, support concentrated loads, support partitions parallel to floor joists, or support any other loads which would exceed the capacity of a single I-joist. Install double I-joists when noted in the building drawings.
2. Filler blocks do not function as web stiffeners. Install web stiffeners as required.
3. Support back of I-joist web during nailing to prevent damage to web/flange connection.
4. Leave a  $\frac{1}{8}$ "- $\frac{1}{4}$ " gap between top of filler block and bottom of top I-joist flange.
5. For side-loaded conditions or cantilever reinforcement, filler block is required between joists for full length of double member.
6. Nail joists together with two rows of 10d nails at 6 inches o.c. (staggered) on each side of the double I-joist. Total of 8 nails per foot required.
7. Filler block thickness may be achieved by using multiple layers of structural wood panels.
8. The maximum load that may be applied to one side of the double joist using this detail is 620 lbs/ft.

**TABLE A: FILLER BLOCK REQUIREMENTS  
FOR DOUBLE RFPI®-JOIST CONSTRUCTION**

| Flange Width | Joist Depth | Joist Series | Recommended Min Filler Block Size |
|--------------|-------------|--------------|-----------------------------------|
| 1-3/4"       | 9-1/2"      | 20           | 1-3/8" x 5-1/2"                   |
|              | 11-7/8"     | 20           | 1-3/8" x 5-1/2"                   |
|              | 14"         | 20           | 1-3/8" x 7-1/4"                   |
| 2-1/16"      | 9-1/2"      | 400          | 1-3/4" x 5-1/2"                   |
|              | 11-7/8"     | 400          | 1-3/4" x 5-1/2"                   |
|              | 14"         | 400          | 1-3/4" x 7-1/4"                   |
|              | 16"         | 400          | 1-3/4" x 7-1/4"                   |
| 2-5/16"      | 9-1/2"      | 40, 70       | 2" x 5-1/2"                       |
|              | 11-7/8"     | 40, 70       | 2" x 5-1/2"                       |
|              | 14"         | 40, 70       | 2" x 7-1/4"                       |
|              | 16"         | 40, 70       | 2" x 7-1/4"                       |
| 2-1/2"       | 9-1/2"      | 40S, 60S     | 2-1/8" x 5-1/2"                   |
|              | 11-7/8"     | 40S, 60S     | 2-1/8" x 5-1/2"                   |
|              | 14"         | 40S, 60S     | 2-1/8" x 7-1/4"                   |
|              | 16"         | 40S, 60S     | 2-1/8" x 7-1/4"                   |
| 3-1/2"       | 9-1/2"      | 90           | 3" x 5-1/2"                       |
|              | 11-7/8"     | 80S, 90      | 3" x 5-1/2"                       |
|              | 14"         | 80S, 90      | 3" x 7-1/4"                       |
|              | 16"         | 80S, 90      | 3" x 7-1/4"                       |