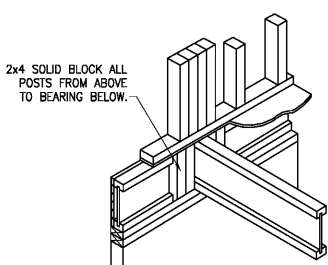
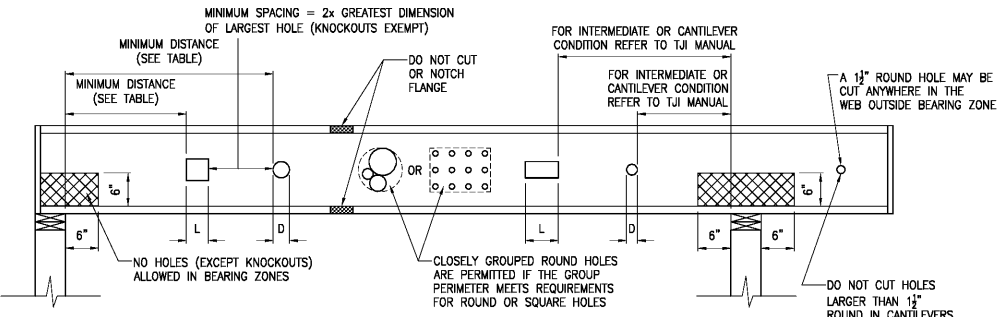


**I-JOIST BLOCKING DETAIL**  
3/4" = 1'-0"



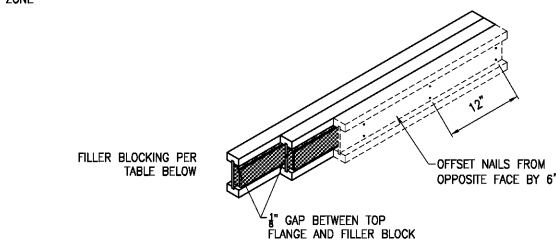
**I-JOIST SQUASH BLOCK DETAIL**  
3/4" = 1'-0"



| DEPTH   | TJI | MINIMUM DISTANCE FROM EDGE OF HOLE TO INSIDE FACE OF NEAREST END SUPPORT |       |       |       |       |       |                                     |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
|---------|-----|--|-------|-------|-------|-------|-------|-------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|         |     | ROUND HOLE SIZE (D)  |       |       |       |       |       | SQUARE OR RECTANGULAR HOLE SIZE (L) |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |
| 11 1/2" | 110 | 1'-0"  | 1'-0" | 1'-6" | 2'-0" | 2'-6" | 3'-0" | 3'-6"                               | 4'-0" | 4'-6" | 5'-0" | 5'-6" | 6'-0"  | 6'-6"  | 7'-0"  | 7'-6"  | 8'-0"  | 8'-6"  | 9'-0"  | 9'-6"  | 10'-0" | 10'-6" | 11'-0" |
|         | 210 | 1'-0"  | 1'-0" | 1'-6" | 2'-0" | 2'-6" | 3'-0" | 3'-6"                               | 4'-0" | 4'-6" | 5'-0" | 5'-6" | 6'-0"  | 6'-6"  | 7'-0"  | 7'-6"  | 8'-0"  | 8'-6"  | 9'-0"  | 9'-6"  | 10'-0" | 10'-6" | 11'-0" |
|         | 230 | 1'-0"  | 1'-0" | 1'-6" | 2'-0" | 2'-6" | 3'-0" | 3'-6"                               | 4'-0" | 4'-6" | 5'-0" | 5'-6" | 6'-0"  | 6'-6"  | 7'-0"  | 7'-6"  | 8'-0"  | 8'-6"  | 9'-0"  | 9'-6"  | 10'-0" | 10'-6" | 11'-0" |
|         | 360 | 1'-6"  | 2'-0" | 3'-0" | 3'-6" | 4'-6" | 5'-0" | 5'-6"                               | 6'-0" | 6'-6" | 7'-0" | 7'-6" | 8'-0"  | 8'-6"  | 9'-0"  | 9'-6"  | 10'-0" | 10'-6" | 11'-0" | 11'-6" | 12'-0" | 12'-6" | 13'-0" |
| 16"     | 110 | 1'-0"  | 1'-0" | 1'-0" | 1'-0" | 1'-6" | 2'-6" | 3'-6"                               | 4'-6" | 5'-6" | 6'-6" | 7'-6" | 8'-6"  | 9'-6"  | 10'-6" | 11'-6" | 12'-6" | 13'-6" | 14'-6" | 15'-6" | 16'-6" | 17'-6" | 18'-6" |
|         | 230 | 1'-0"  | 1'-0" | 1'-0" | 1'-0" | 1'-6" | 2'-6" | 3'-6"                               | 4'-6" | 5'-6" | 6'-6" | 7'-6" | 8'-6"  | 9'-6"  | 10'-6" | 11'-6" | 12'-6" | 13'-6" | 14'-6" | 15'-6" | 16'-6" | 17'-6" | 18'-6" |
|         | 360 | 1'-0"  | 1'-0" | 1'-0" | 1'-0" | 2'-6" | 3'-6" | 4'-6"                               | 5'-6" | 6'-6" | 7'-6" | 8'-6" | 9'-6"  | 10'-6" | 11'-6" | 12'-6" | 13'-6" | 14'-6" | 15'-6" | 16'-6" | 17'-6" | 18'-6" | 19'-6" |
|         | 560 | 1'-0"  | 1'-0" | 1'-0" | 2'-6" | 3'-6" | 4'-6" | 5'-6"                               | 6'-6" | 7'-6" | 8'-6" | 9'-6" | 10'-6" | 11'-6" | 12'-6" | 13'-6" | 14'-6" | 15'-6" | 16'-6" | 17'-6" | 18'-6" | 19'-6" | 20'-6" |

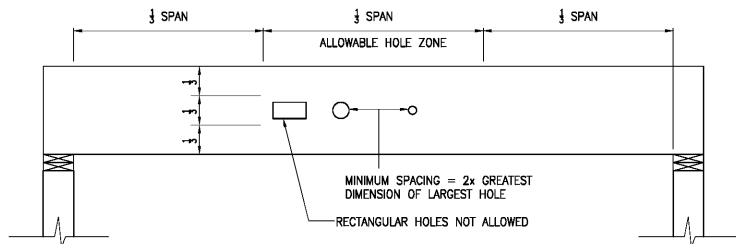
**I-JOIST HOLE LOCATION & SIZING**

- CUTTING I-JOISTS ABOVE DEMISING WALLS OR CORRIDOR WALLS AND WHERE JOISTS ARE IN NON-BENDING INSTALLATIONS IS PERMITTED PROVIDED THE DRAFT STOPPING IF REQUIRED IS RESTORED.
- FOR HOLE LOCATIONS/SIZE OTHER THAN THOSE INDICATED CONTACT THE I-JOIST SUPPLIER FOR APPROVAL.



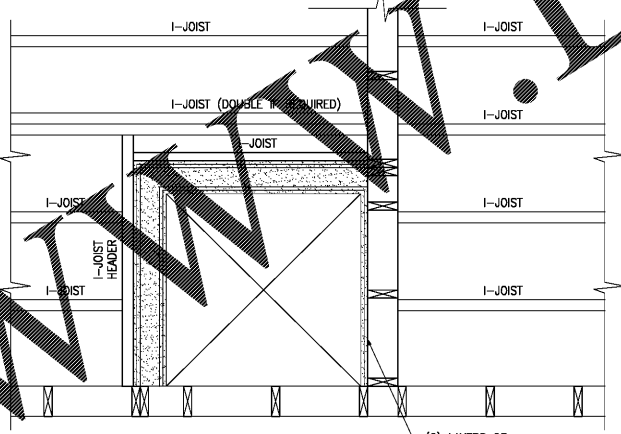
| FLANGE WIDTH | JOIST SERIES | DEPTH | FILLER BLOCK SIZE FOR DOUBLE & TRIPLE I-JOISTS |                               |
|--------------|--------------|-------|--|-------------------------------|
|              |              |       | OVERALL DIMENSION                              | ALLOWABLE MEMBER COMBINATIONS |
| 11 1/2"      | AS SHOWN     | 14    | 3' x 6"  | (2) 2x8                       |
| 16"          | AS SHOWN     | 16    | 3' x 6"  | (2) 2x10                      |

**DOUBLE & TRIPLE I-JOISTS DETAIL**

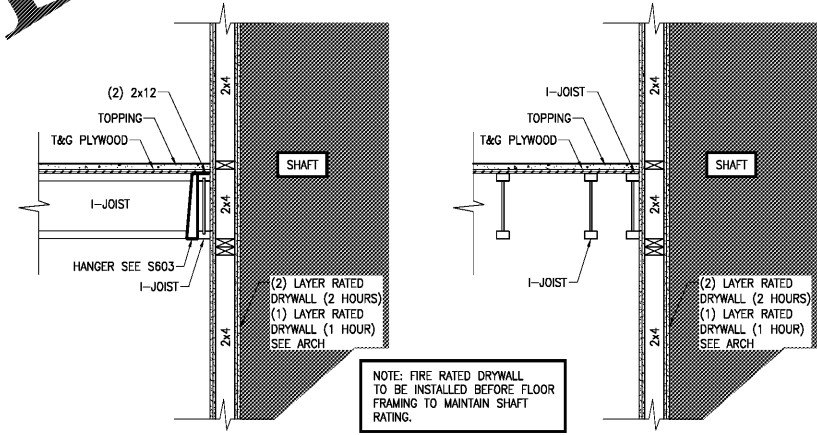


| BEAM DEPTH      | MAX ROUND HOLE DIA |
|-----------------|--------------------|
| 3 1/2" - 7"     | 3"                 |
| 7 1/2" - 9 1/2" | 4"                 |
| 9 1/2" - 16"    | 5"                 |
| > 16"           | 6"                 |

**LVL ALLOWABLE HOLES**



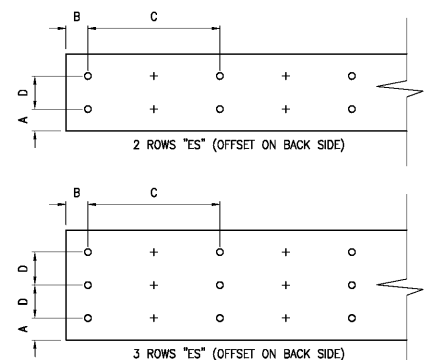
**TYPICAL RATED CHASE**



**TYPICAL RATED CHASE DETAILS**

Order Plans @

| FASTENER TYPE   | A    |      | B    |      | C    |      | D    |      |
|-----------------|------|------|------|------|------|------|------|------|
|                 | MIN. | MAX. | MIN. | MAX. | MIN. | MAX. | MIN. | MAX. |
| 10d & 16d NAILS | 2"   | 2"   | 2"   | 6"   | 4"   | 12"  | 3"   | 3"   |
| BOLTS & SCREWS  | 2"   | 4"   | 12"  | 4"   | 24"  | 3"   | 3"   | 3"   |

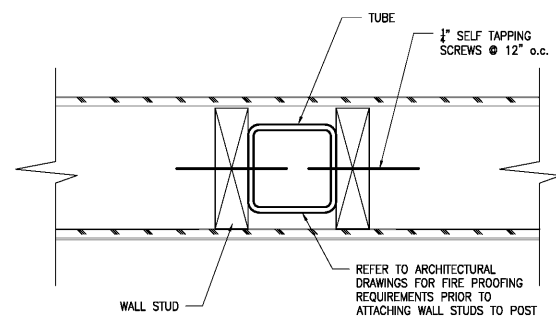


**FASTENER CLEARANCES FOR MULTIPLE-PLY MEMBERS**

| FASTENER TYPE                      | LVL DEPTH         | 3" THICK          | 5" THICK               | 7" THICK               |
|------------------------------------|-------------------|-------------------|------------------------|------------------------|
|                                    |                   | 2-PLY 1 1/2"      | 3-PLY 1 1/2"           | 4-PLY 1 1/2"           |
| 10d (0.128"x3") NAILS              | 7/8" < d < 1 1/4" | 3 ROWS @ 12" o.c. | 3 ROWS @ 12" o.c. (ES) | ---                    |
|                                    | d > 1 1/4"        | 4 ROWS @ 12" o.c. | 4 ROWS @ 12" o.c. (ES) | ---                    |
| 16d (0.162"x3 1/2") NAILS          | 7/8" < d < 1 1/4" | 2 ROWS @ 12" o.c. | 2 ROWS @ 12" o.c. (ES) | ---                    |
|                                    | d > 1 1/4"        | 3 ROWS @ 12" o.c. | 3 ROWS @ 12" o.c. (ES) | ---                    |
| 1/2" THROUGH BOLTS                 |                   | 2 ROWS @ 24" o.c. | 2 ROWS @ 24" o.c.      | 2 ROWS @ 24" o.c.      |
| SDS 1/2"x3/8", WS35, 3/8" TRUSSLOK | d > 1 1/4"        | 2 ROWS @ 24" o.c. | 2 ROWS @ 24" o.c. (ES) | ---                    |
| SDS 1/2"x6", WS6                   |                   | ---               | ---                    | 2 ROWS @ 24" o.c. (ES) |
| 5" TRUSSLOK                        |                   | ---               | 2 ROWS @ 24" o.c.      | ---                    |
| 6" TRUSSLOK                        |                   | ---               | ---                    | 2 ROWS @ 24" o.c.      |

- NOTES:
- ALL FASTENERS MUST MEET THE MINIMUM REQUIREMENTS IN THE TABLE ABOVE. SIDE-LOADED MULTIPLE-PLY MEMBERS MUST MEET THE MINIMUM FASTENING AND SIDE-LOADING CAPACITY REQUIREMENTS GIVEN.
  - THREE GENERAL RULES FOR STAGGERING OR OFFSETTING FOR A CERTAIN FASTENER SCHEDULE: (1) IF STAGGERING OR OFFSETTING IS NOT REFERENCED, THEN NONE IS REQUIRED; (2) IF STAGGERING IS REFERENCED, THEN FASTENERS INSTALLED IN ADJACENT ROWS ON THE FRONT SIDE ARE TO BE STAGGERED UP TO ONE-HALF THE o.c. SPACING, BUT MAINTAINING THE FASTENER CLEARANCES ABOVE; AND (3) IF "ES" IS REFERENCED, THEN THE FASTENER SCHEDULE MUST BE REPEATED ON EACH SIDE, WITH THE FASTENERS ON THE BACK SIDE OFFSET UP TO ONE-HALF THE o.c. SPACING OF THE FRONT SIDE (WHETHER OR NOT IT IS STAGGERED).

**MIN. FASTENING REQUIREMENTS FOR TOP- AND SIDE-LOADED MEMBERS**

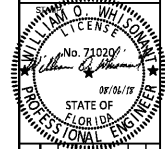


**COLUMN DETAIL**

3" = 1'-0"  
NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR FIRE PROOFING REQUIREMENTS. FIRE PROOFING MAY NEED TO BE APPLIED BEFORE STUD IS ADDED.

**WES WHISONANT ENGINEERING SERVICES, LLC**  
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**HOME 2 SUITES**  
2630 WILDE LAKE BLVD  
PENSACOLA, FL 32526

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DATE: 08-06-18

DRAWING TITLE:  
**WOOD DETAILS**

SCALE: AS SHOWN  
PROJECT NO: 037502  
DATE: 08-06-18  
DRAWN BY: JVS  
CHECKED BY: BOW  
SHEET NO:  
**S601**