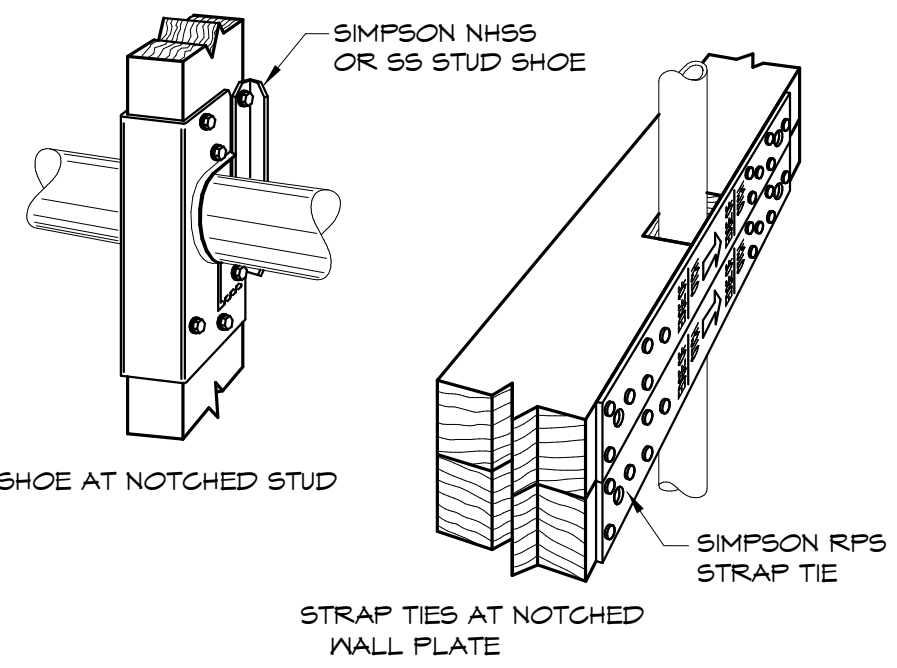


**ALLOWABLE HOLES IN WOOD BEAMS**

GENERAL NOTES:  
 1. DIAGRAM IS FOR UNIFORMLY LOADED BEAM ONLY.  
 2. RECTANGULAR HOLES ARE NOT ALLOWED.



**TYP. REINFORCING DETAILS NOTCHES & BORINGS BEYOND ALLOWABLE**

2009 INTERNATIONAL BUILDING CODE

SECTION 2308.9.10 CUTTING AND NOTCHING  
 IN EXTERIOR WALLS AND BEARING PARTITIONS, ANY WOOD STUD IS PERMITTED TO BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. CUTTING OR NOTCHING STUDS TO A DEPTH NOT GREATER THAN 40 PERCENT OF THE WIDTH OF THE STUD IS PERMITTED IN NONBEARING PARTITIONS SUPPORTING NO LOADS OTHER THAN THE WEIGHT OF THE PARTITION.

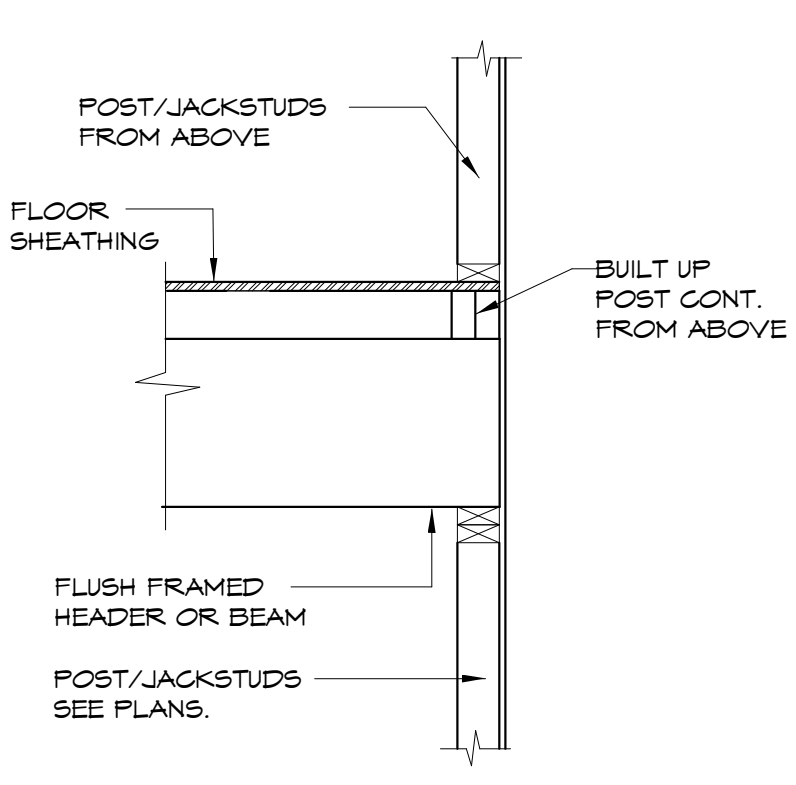
\*SECTION 2308.9.11 BORED HOLES  
 A HOLE NOT GREATER IN DIAMETER THAN 40 PERCENT OF THE STUD WIDTH IS PERMITTED TO BE BORED IN ANY WOOD STUD. BORED HOLES NOT GREATER THAN 60 PERCENT OF THE WIDTH OF THE STUD ARE PERMITTED IN NON-BEARING PARTITIONS OR IN ANY WALL WHERE EACH BORED STUD IS DOUBLED, PROVIDED NOT MORE THAN TWO SUCH SUCCESSIVE DOUBLED STUDS ARE SO BORED.

-IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8 INCH TO THE EDGE OF THE STUD.  
 -BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A CUT OR NOTCH

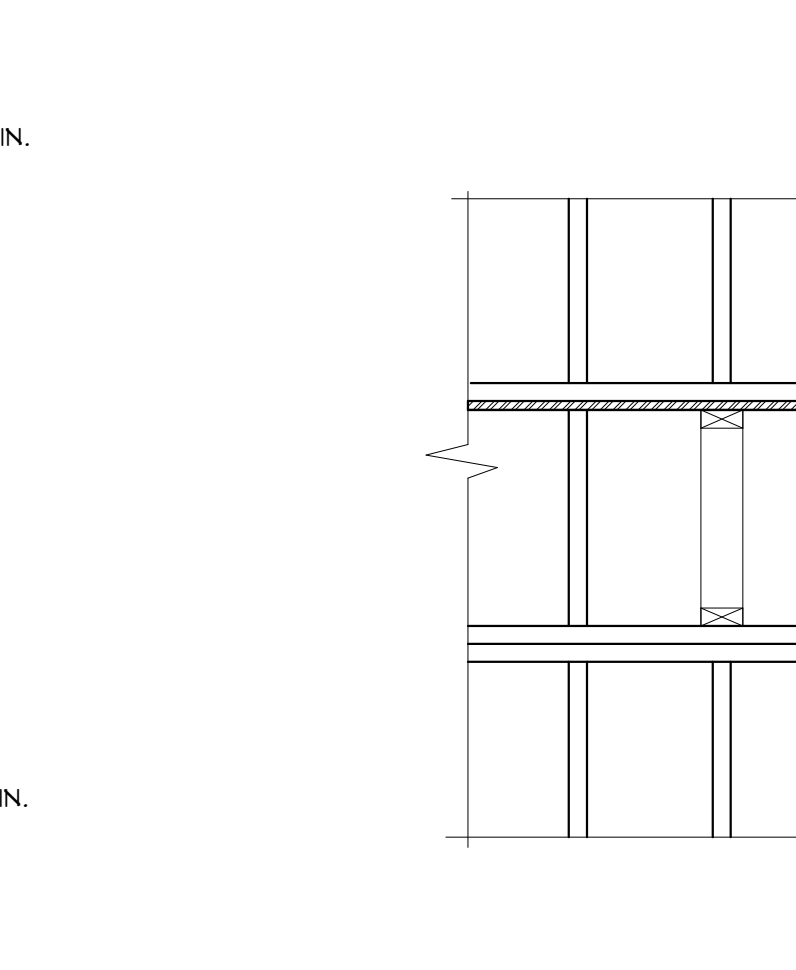
**ALLOWABLE NOTCHES & BORINGS IN WOOD STUDS**

1 3/4" = 1'-0"

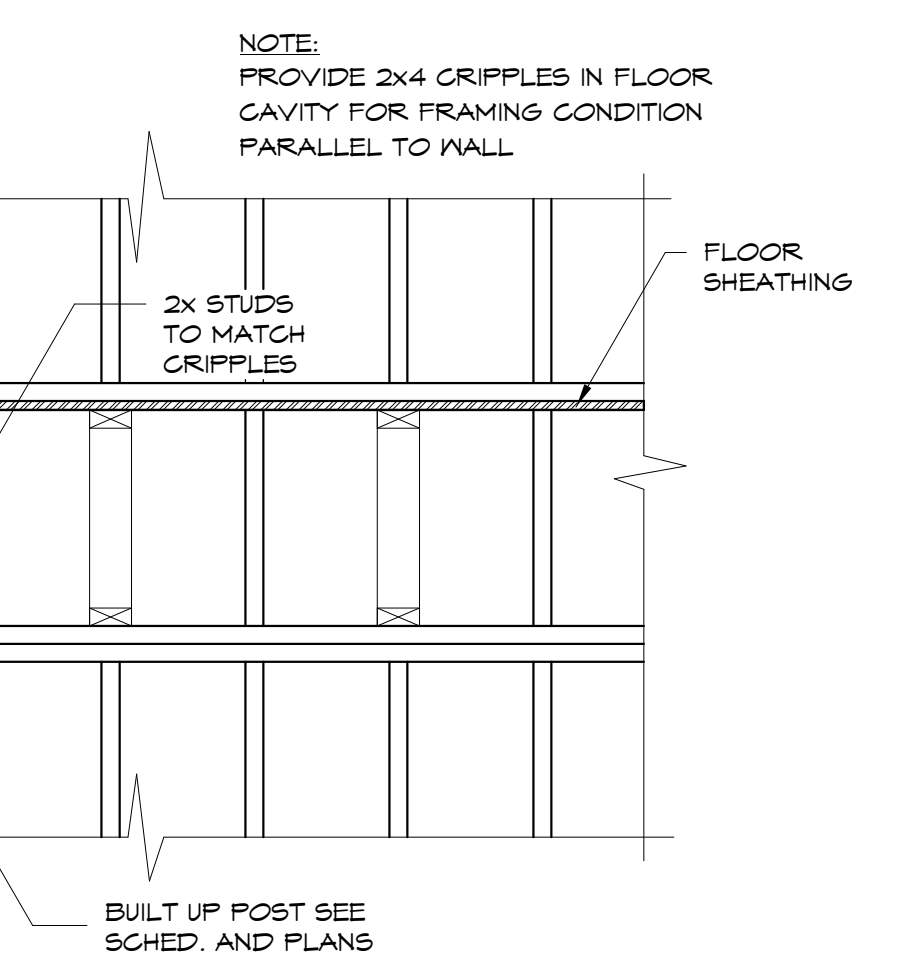
2 3/4" = 1'-0"



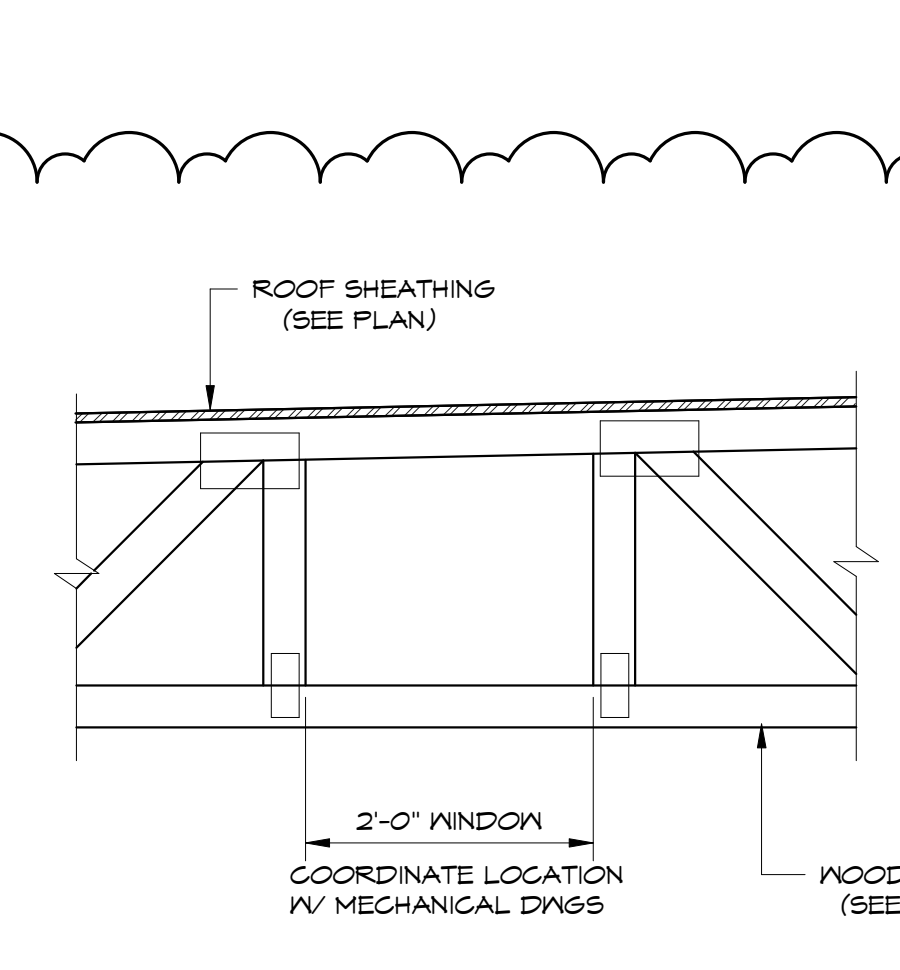
4 3/4" = 1'-0"



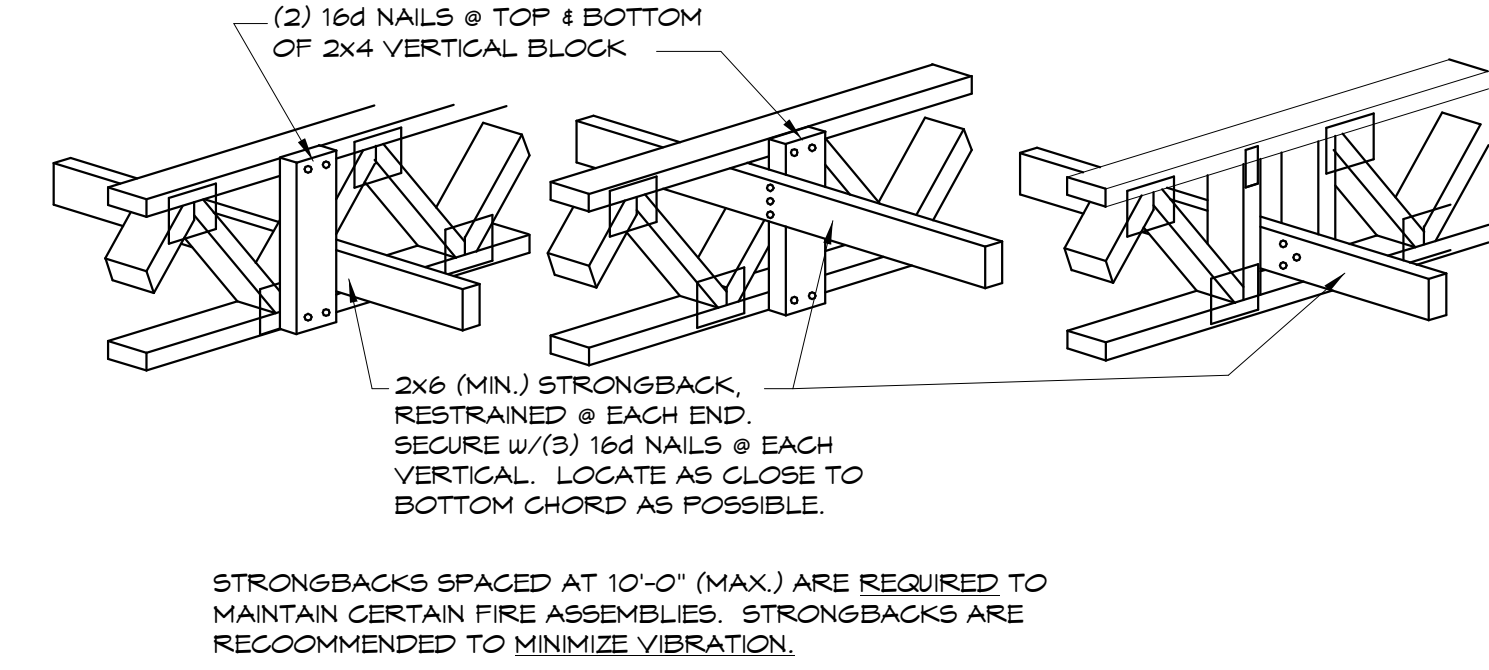
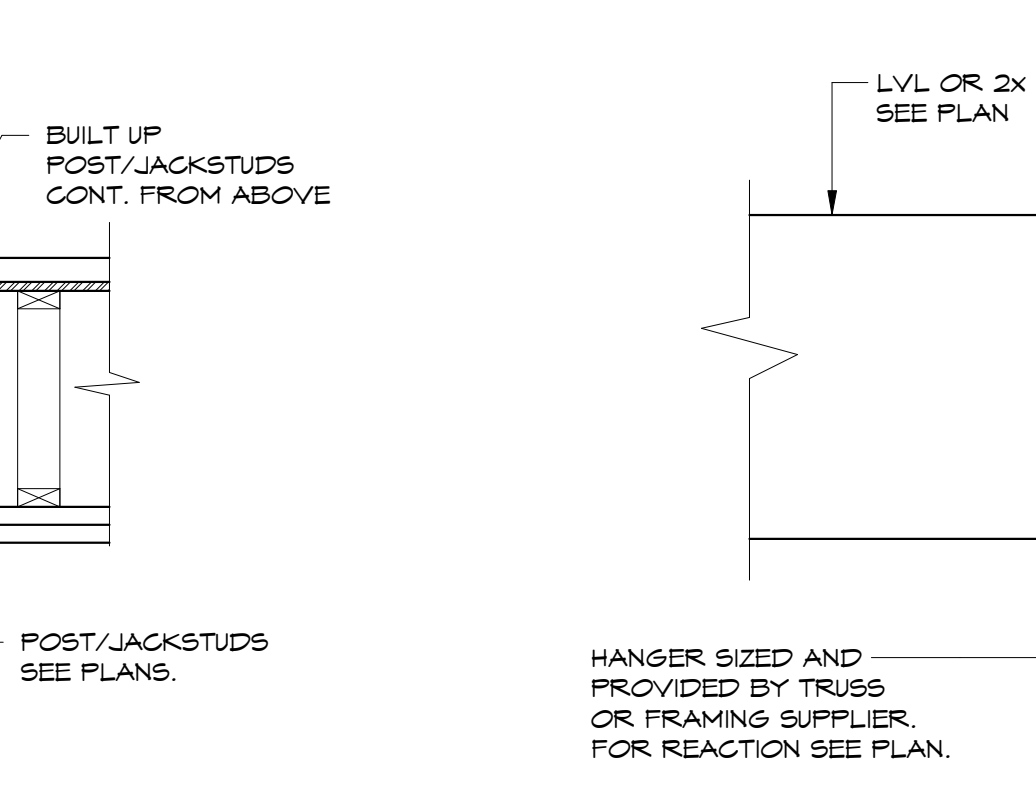
5 3/4" = 1'-0"



6 3/4" = 1'-0"

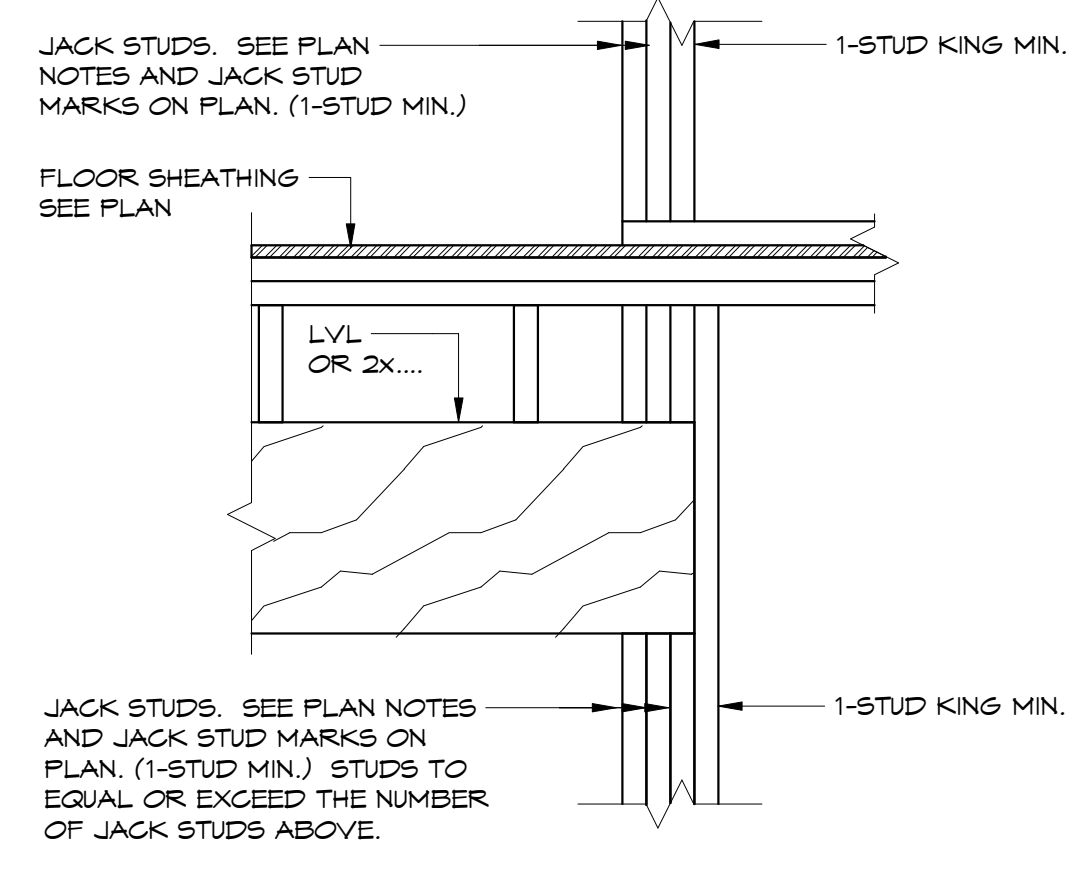


3 3/4" = 1'-0"

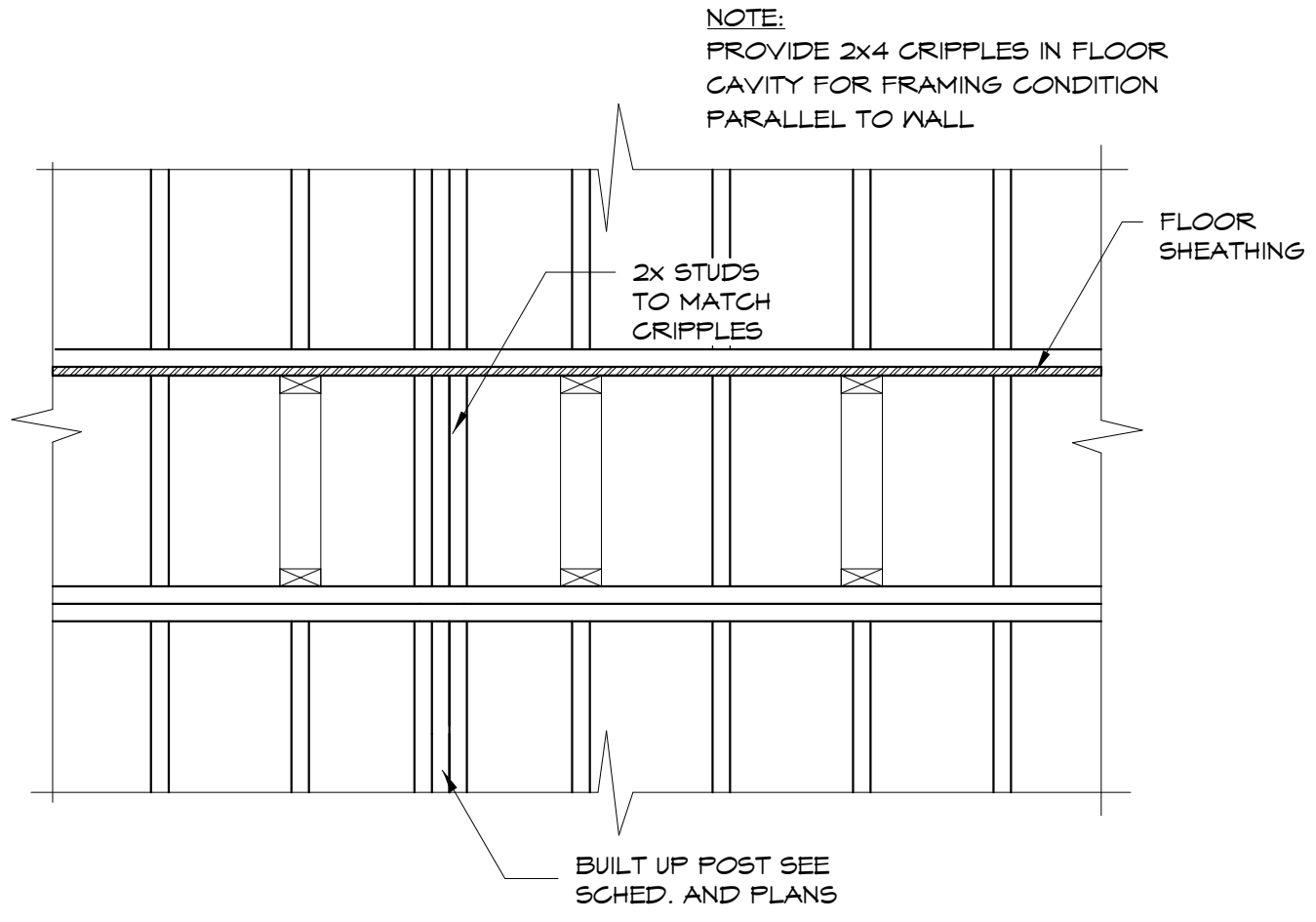


**STRONGBACK DETAILS**

7 3/4" = 1'-0"

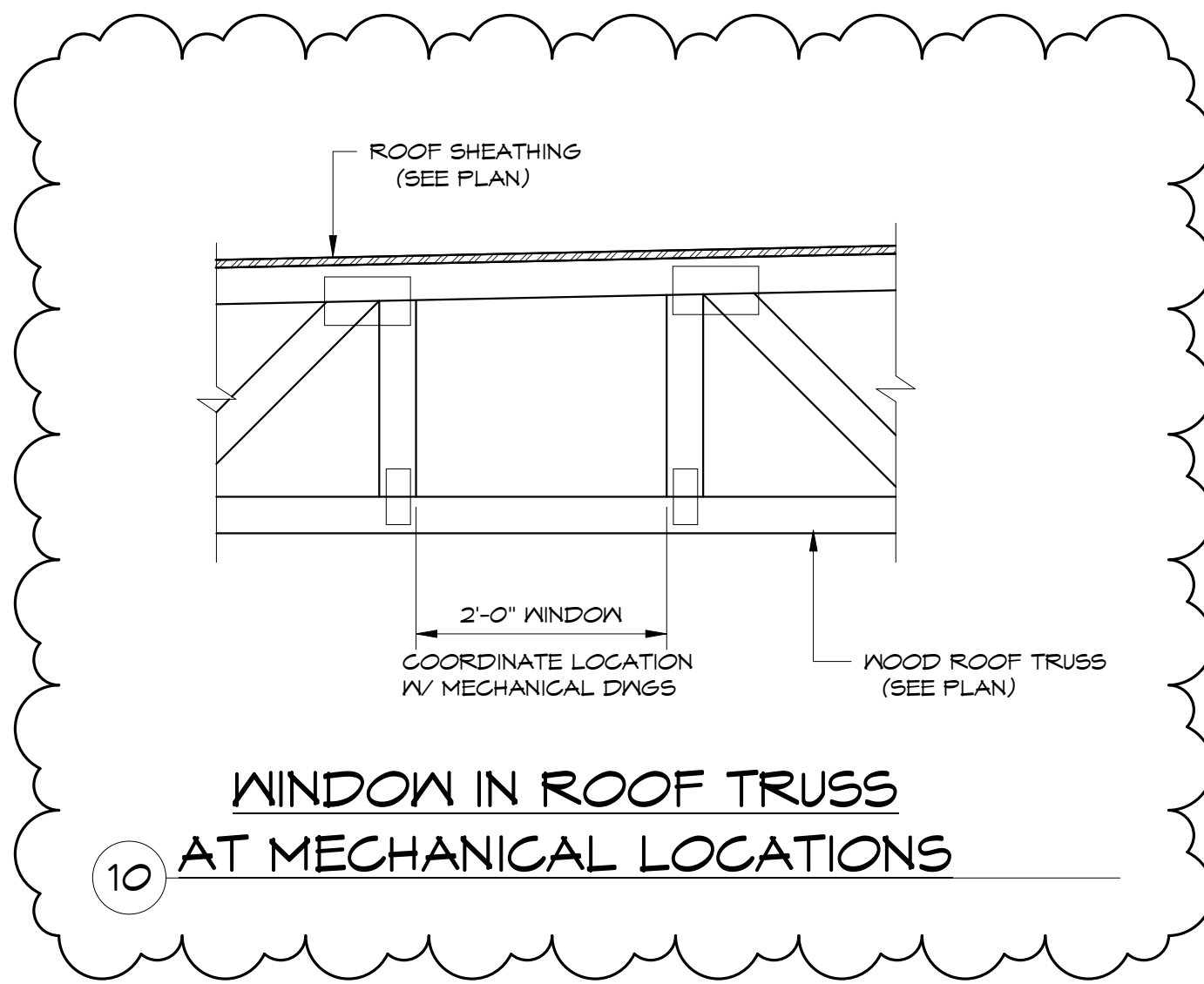


8 3/4" = 1'-0"



**TYPICAL WOOD POST THROUGH FLOOR TRUSSES AT BEARING WALLS**

9 3/4" = 1'-0"



**WINDOW IN ROOF TRUSS AT MECHANICAL LOCATIONS**

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Revisions:  
 05/16/16 FOUNDATION PERMIT  
 06/07/16 80% REVIEW DRAWINGS  
 06/24/16 100% STRUCTURAL DRAWINGS  
 07/20/16 100% CONSTRUCTION DRAWINGS

Date: **04/19/16** Scale: **3/4" = 1'-0"**  
**TYPICAL DETAILS**

**S205**