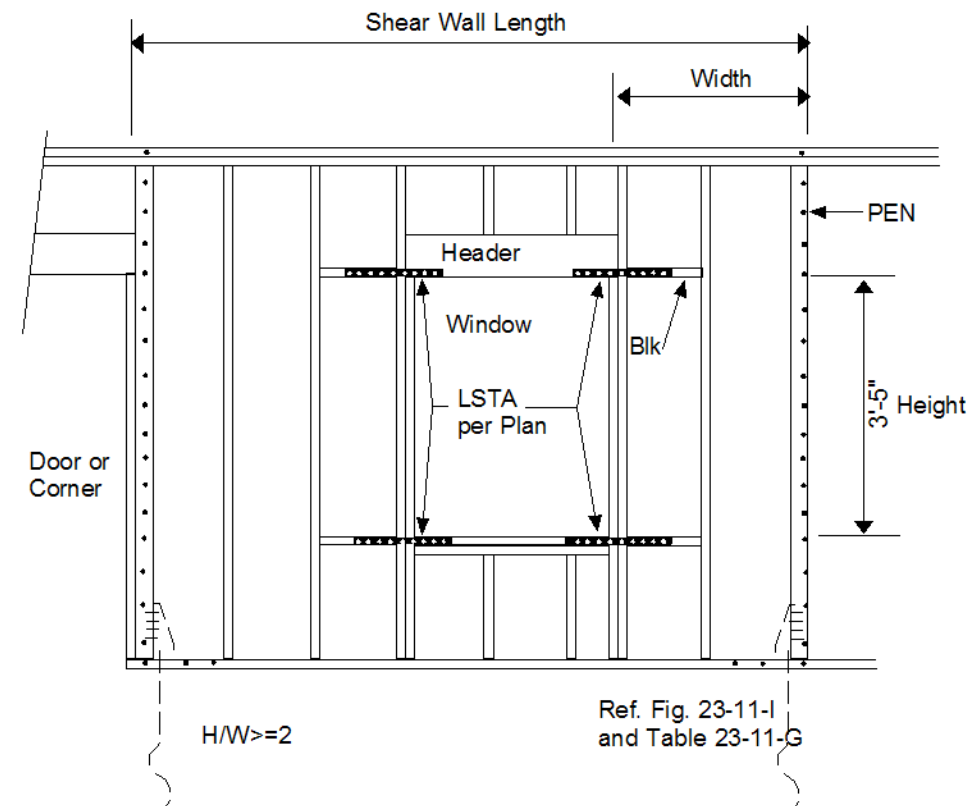
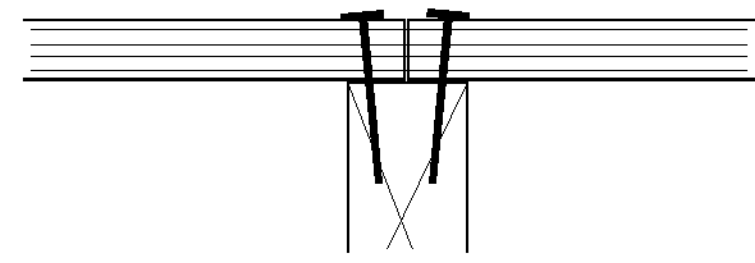


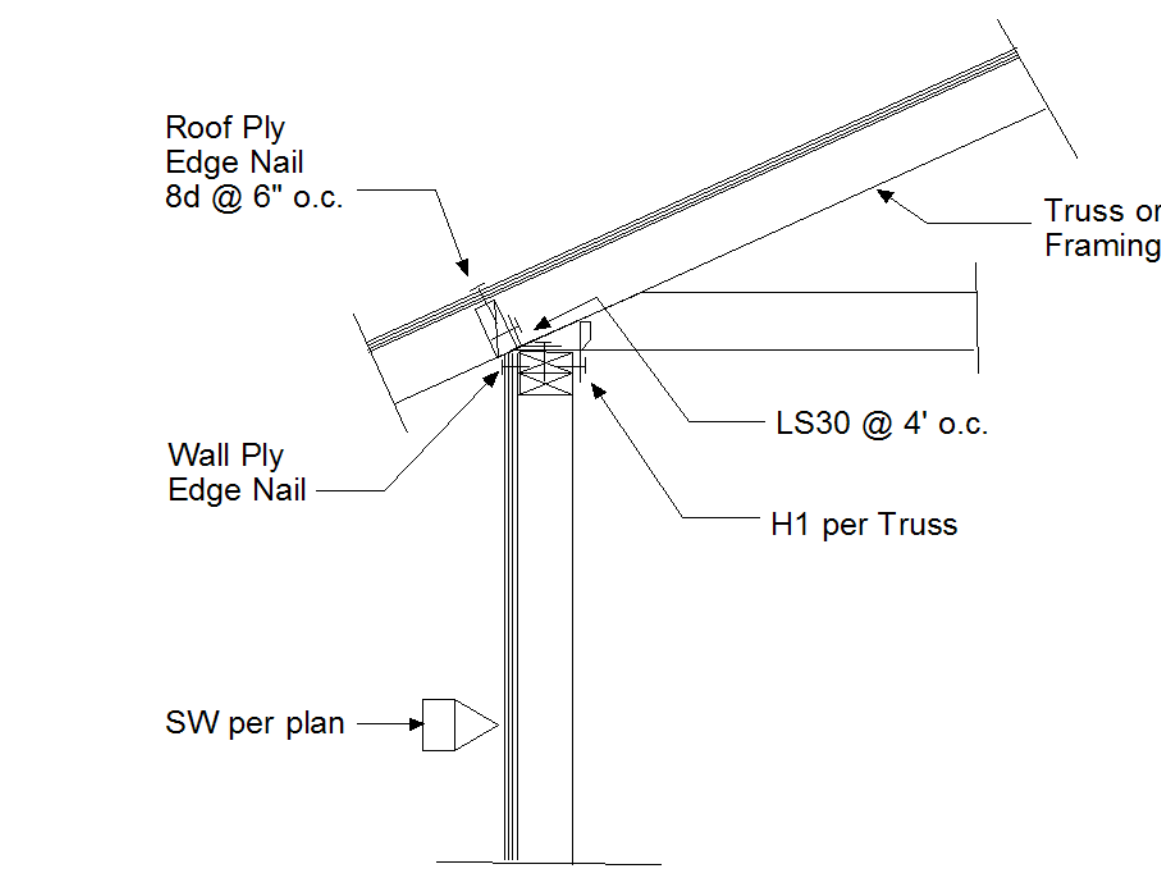
# STANDARD STRUCTURAL DETAILS



Nailing to penetrate 11 diameters of nail into solid members, Typical NDS91 Section 12.3.4, 2318.3.3



PLYWOOD EDGE NAILING, TYPICAL



ROOF TO WALL SHEAR TRANSFER, TYPICAL

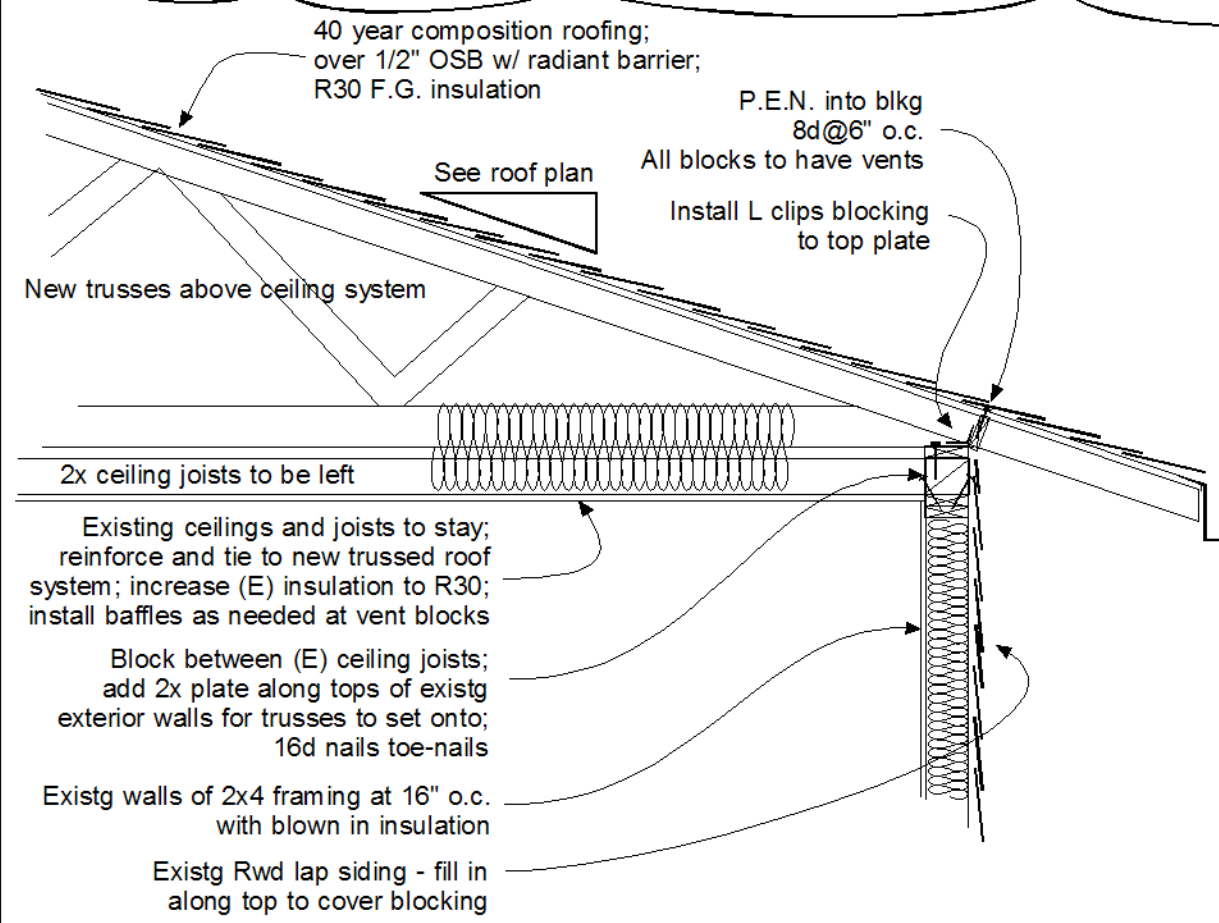
## Foundation/ Floor/ Roof Framing Notes

See other sheets for additional information  
New foundation to match existing  
Concrete to be 2500 psi  
Footings to bear on undisturbed soil and extend min. 12" into undisturbed soil  
Underfloor drainage: Grade level underfloor shall not be lower than the exterior grade unless adequate drainage to a positive outflow is provided. Where any water will collect in the underfloor area, an approved drainage system shall be provided.  
A mechanical means of draining underfloor area is acceptable.  
Underfloor Venting Calc:  
new + existing floor area = 1,613 s.f.  
required venting 1:150  
therefore 10,753 s.f. required for this underfloor space  
existing 15 foundation vents @ .583 s.f./ea. = 8,745 s.f.  
(19 vents - 4 that will be covered)  
new 6 (minimum) foundation vents @ .583 s.f./ea. = 3.5 s.f.  
Total venting provided for house = 12,245 s.f.

See Structural Calculations for additional notes

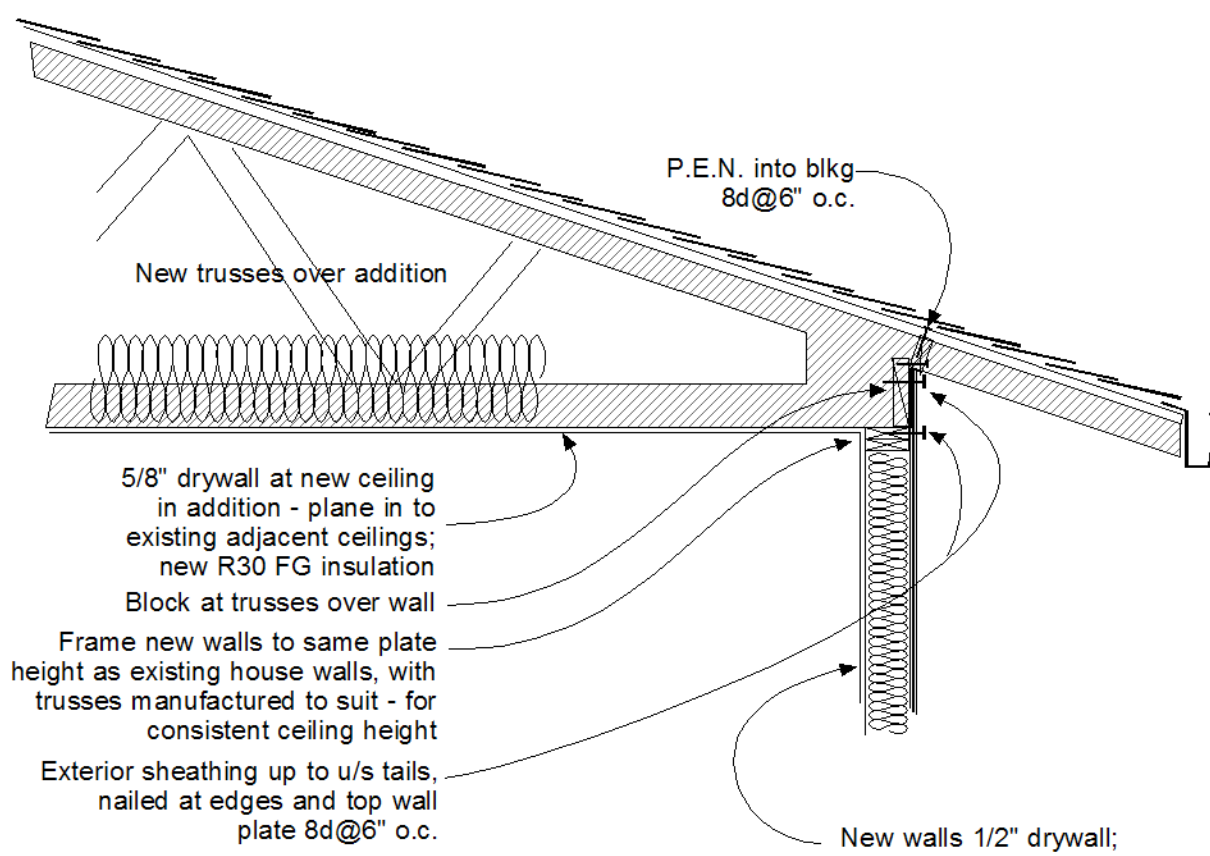
# DETAILS KEYED TO DRAWINGS

See ThermoDeck System detailing for proposed passive cool roof design



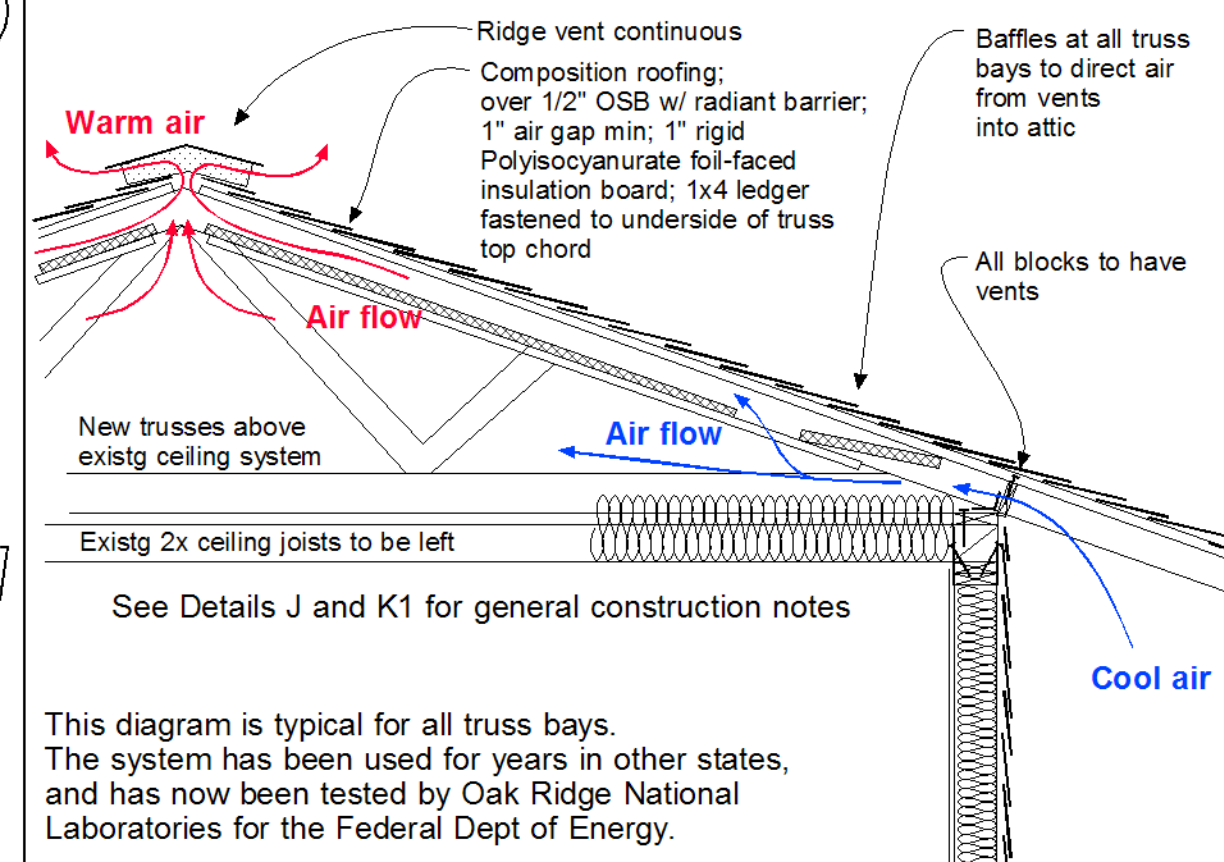
## ROOF / WALL DTL J-J

Typical Truss/Wall Detail at Existing Ceilings  
Scale: 3/4" = 1'-0"



## ROOF / WALL DTL K1-K1

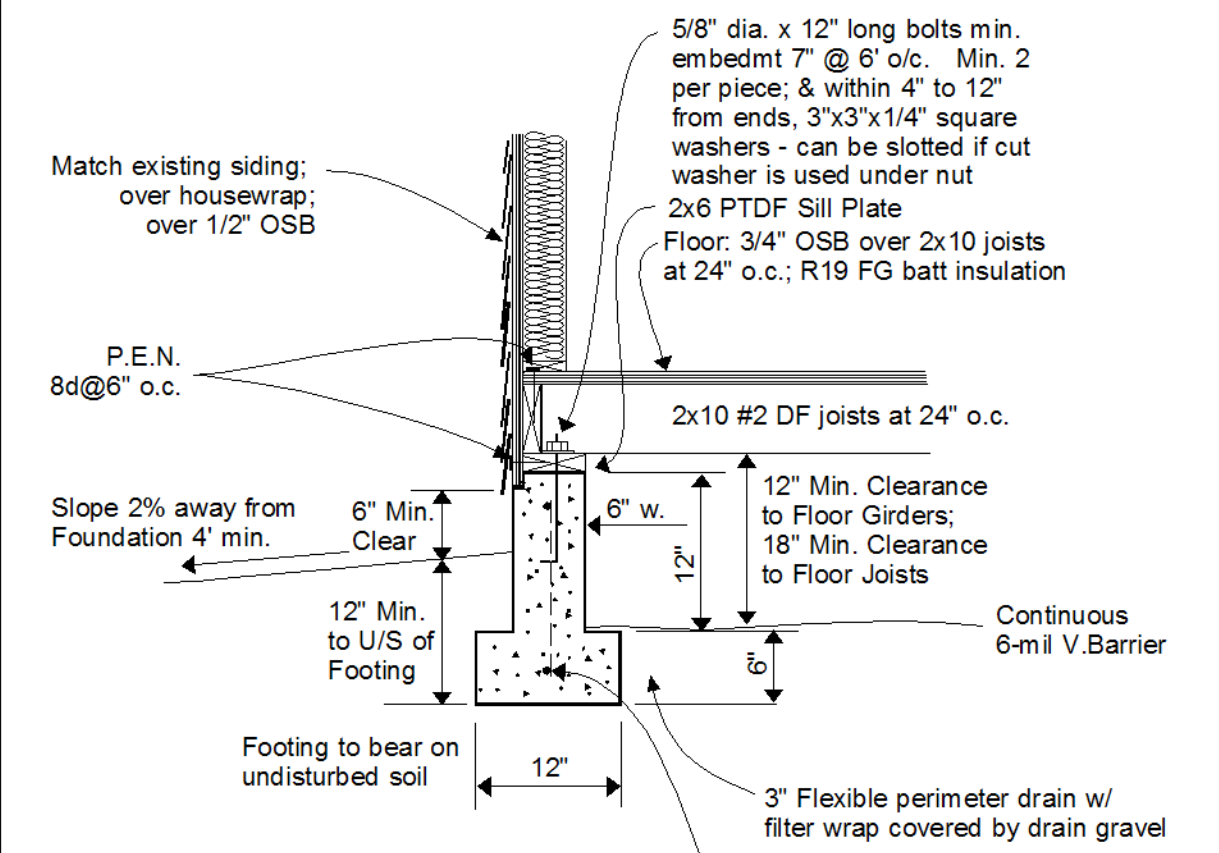
Typical Truss/Wall Detail at New Addition  
Scale: 3/4" = 1'-0"



This diagram is typical for all truss bays. The system has been used for years in other states, and has now been tested by Oak Ridge National Laboratories for the Federal Dept of Energy.  
The full report can be found online at: [http://calipre.com/blog/wp-content/uploads/2012/09/ORNL\\_roofs\\_Pub30786-1-sm.pdf](http://calipre.com/blog/wp-content/uploads/2012/09/ORNL_roofs_Pub30786-1-sm.pdf)  
Titled: A Prototype Roof Deck Designed to Self-Regulate Deck Temperature and Reduce Heat Transfer

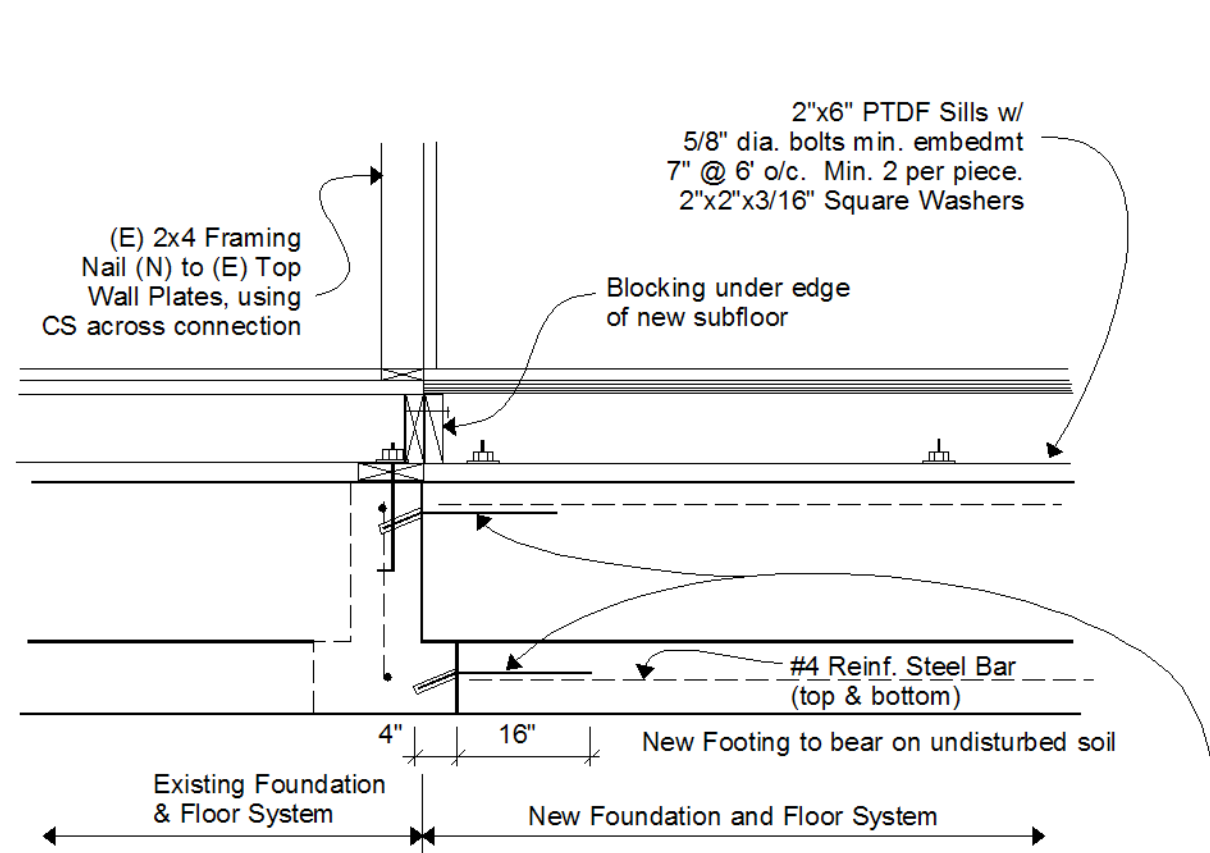
## THERMADECK SYSTEM APPLIED HERE

Typical Truss/Wall Detail at Existing Ceilings  
Scale: 3/4" = 1'-0"



## FOUNDATION DTL A-A

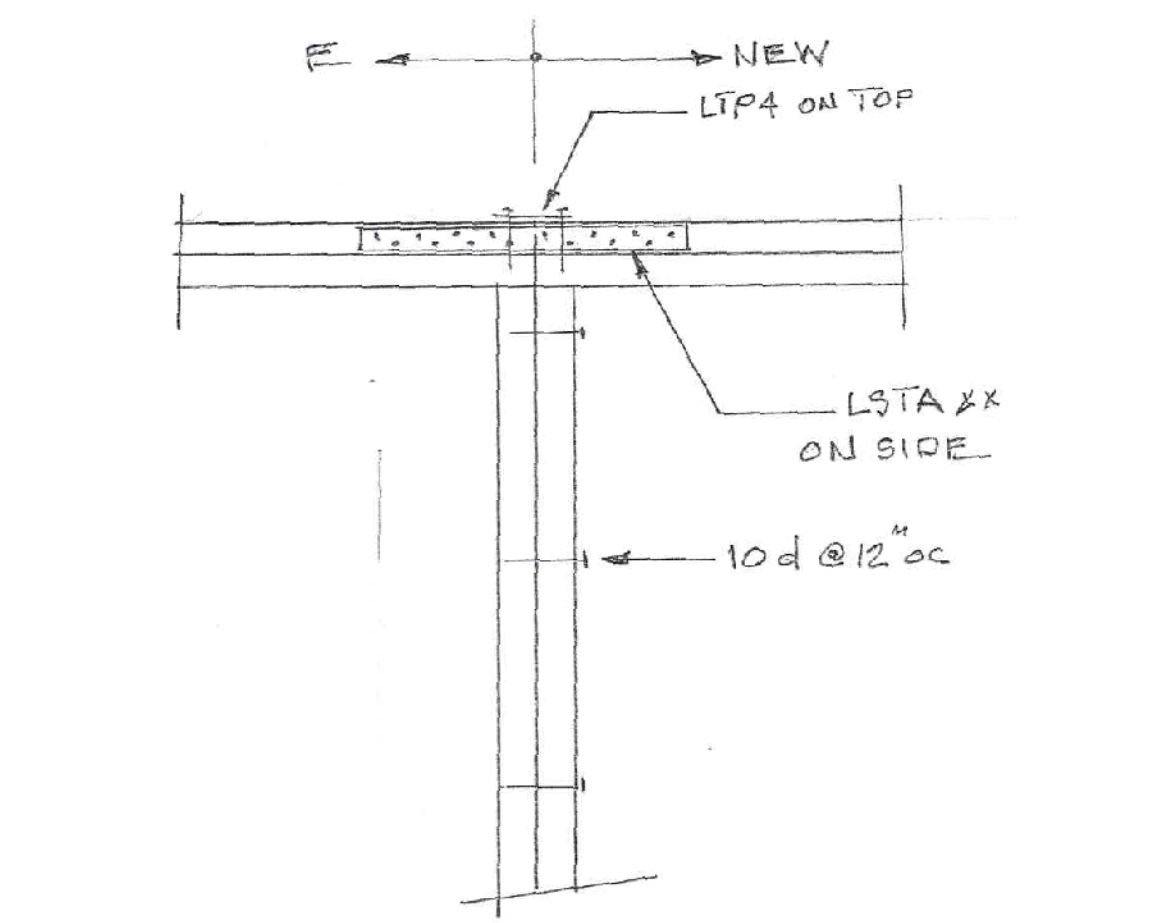
Typical Foundation at new addition  
Scale: 3/4" = 1'-0"



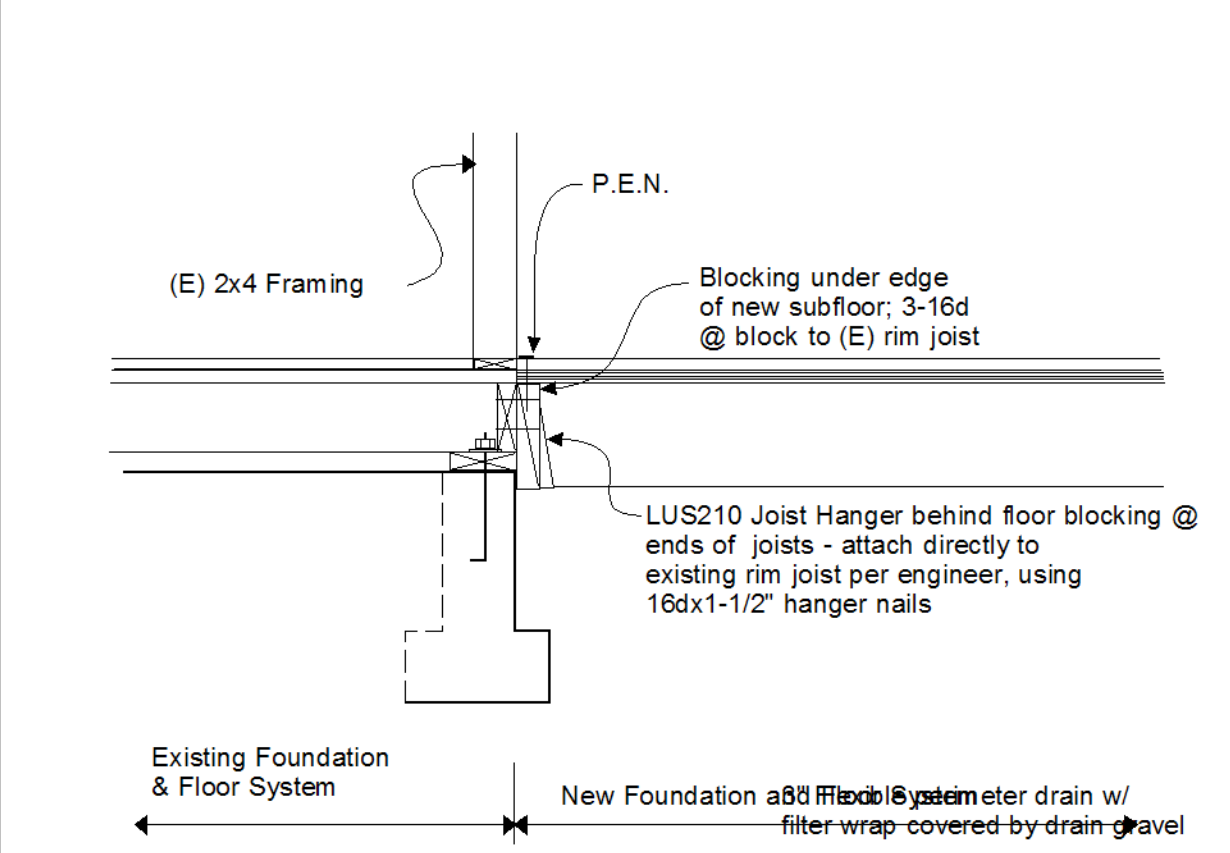
## FOUNDATION DTL B-B

Connection at new Foundation  
Scale: 3/4" = 1'-0"

Tie into (E) Foundation System with 2 ea. #4 Reinf. Steel Dowels Epoxied into drilled, angled holes - tie to bars in (N) foundation system - Use Simpson SET, ET or AT adhesive or Equal (Note: no Special Inspection required)



## WALL SPLICE AT NEW TO EXISTING DTL B-1



## FOUNDATION DTL C-C

Connection at new Floor System  
Scale: 3/4" = 1'-0"

## Revisions

Robert Douglas Youngs Contractor  
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Date: 04/30/13  
Scale: as noted

Sheet 3 of 8  
File: Sheet3-AL-Details