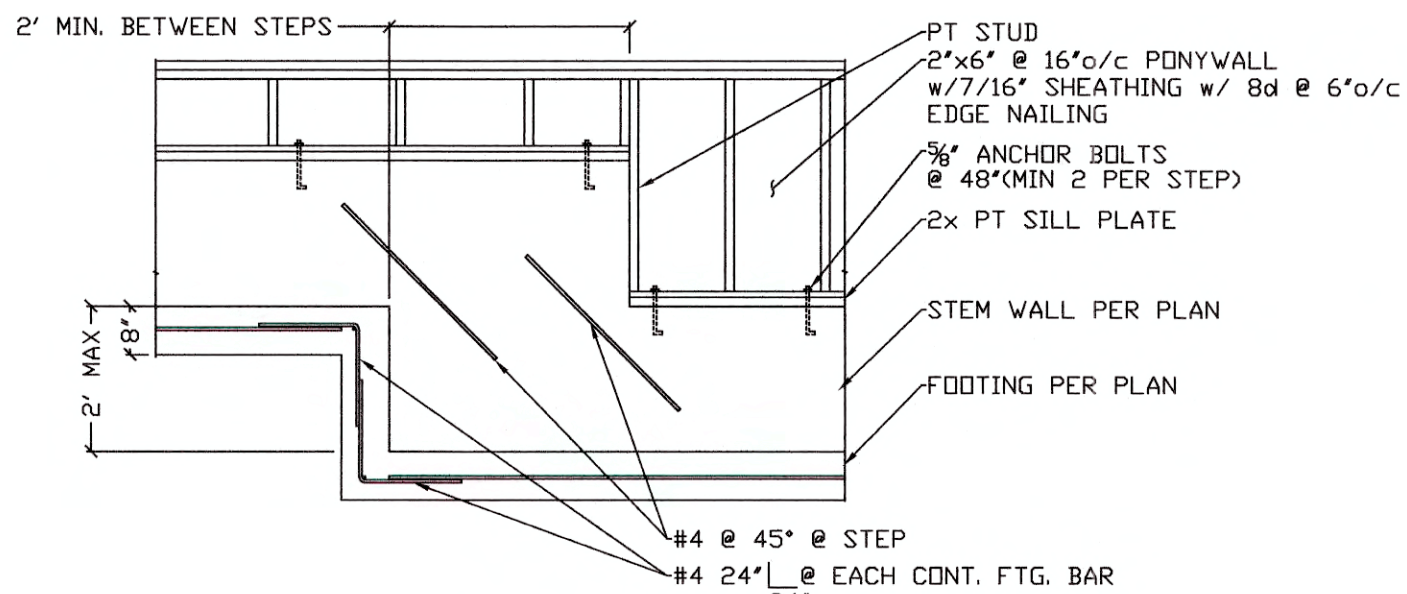
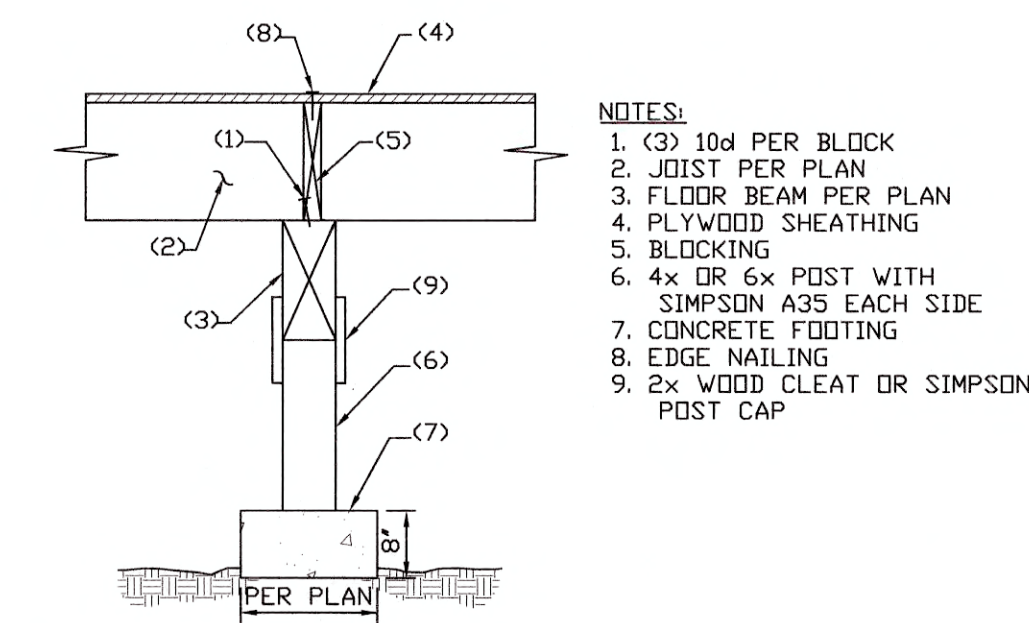
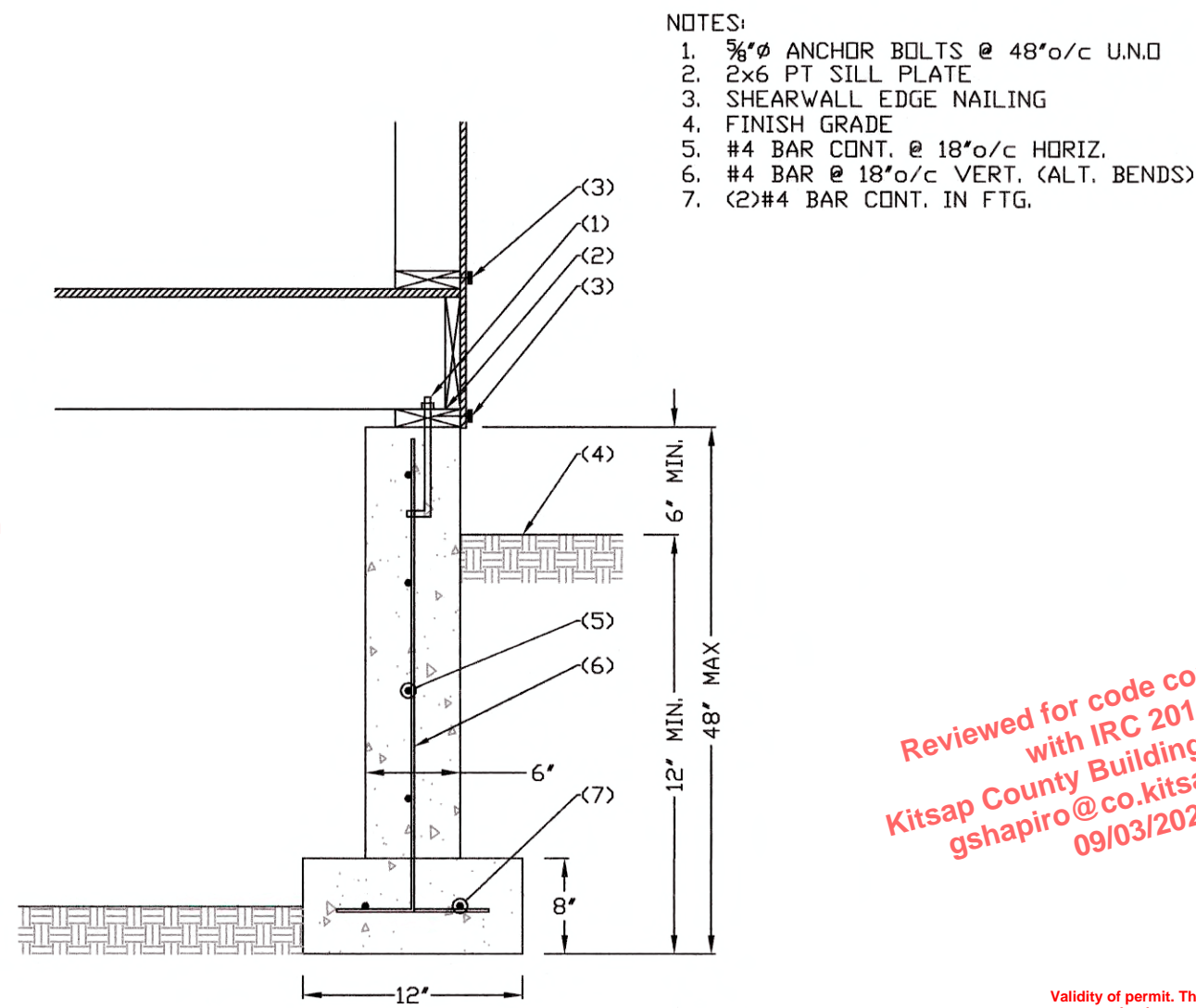


1/4"=1'-0"

FOOTING SCHEDULE			
16	16"x16"x12"	(2)#4 BAR	E.W
24	24"x24"x8"	(3)#4 BAR	E.W
36	36"x36"x12"	(5)#4 BAR	E.W

NOTES:  
• 3/8" ANCHORS @ 48" o/c U.N.O  
Φ=PT. LOAD



Reviewed for code compliance  
with IRC 2015  
Kitsap County Building Department  
gshapiro@co.kitsap.wa.us  
09/03/2020

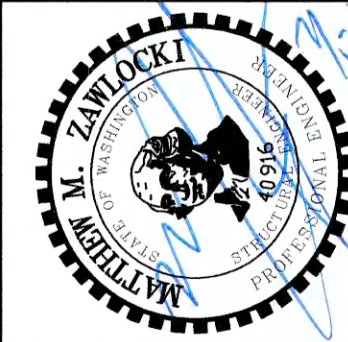
CHANGES  
MUST Be Approved Prior  
To Performing Work

Must Comply With  
All Washington  
State Codes

REVISIONS	NO	DATE	BY	DESCRIPTION	DESIGNED	CHECKED	APPROVED	DATE

King Homes  
P.O. Box 547  
Olalla, WA 98359

FOR:  
KH2340R Plan  
Parcel #282392-4-049-2000  
Kitsap County

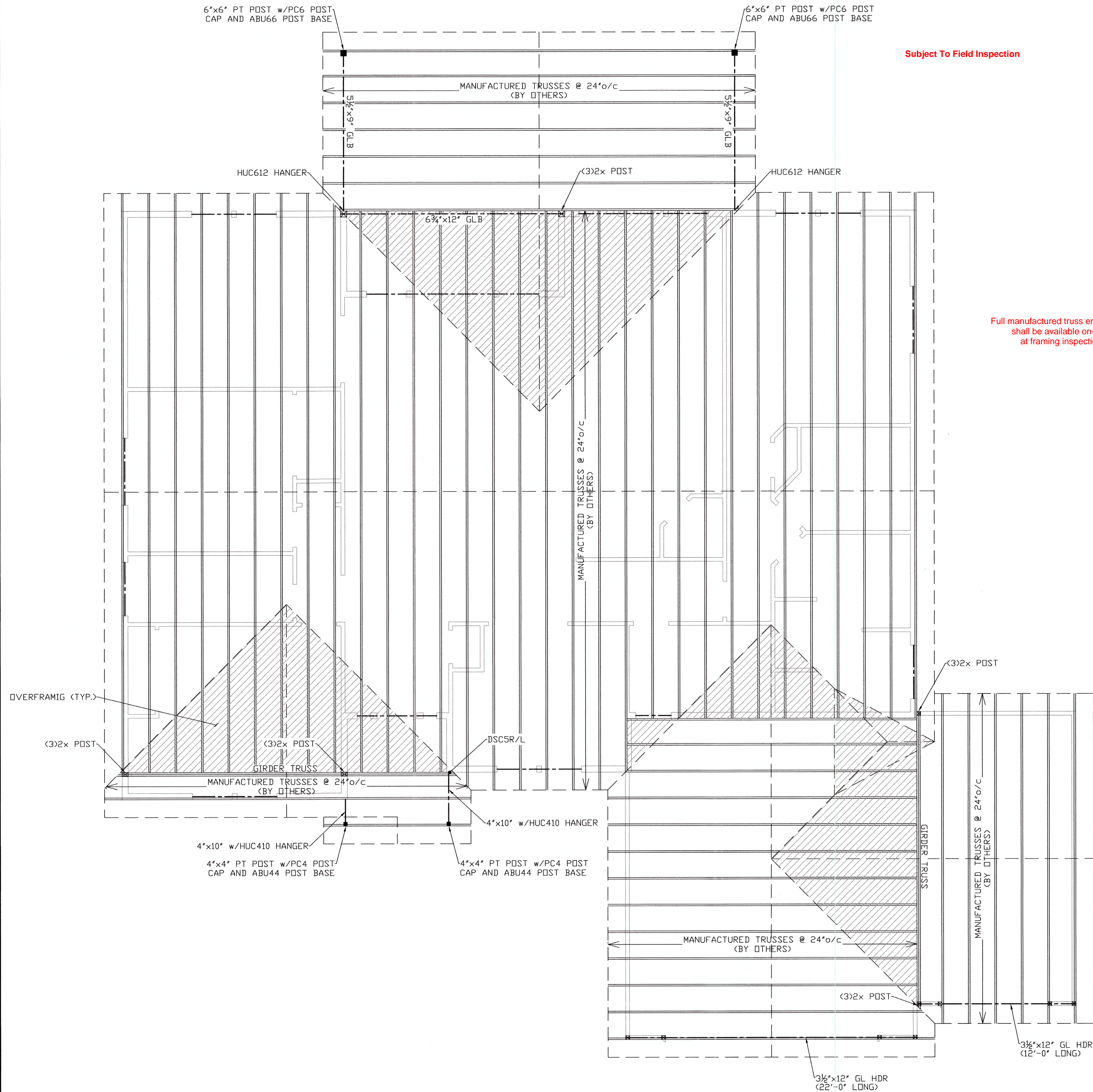


N.L. Olson & Associates, Inc.  
Engineering, Planning and Surveying  
(360) 895-2350 or (360) 876-2284  
2453 Bellini Avenue, P.O. Box 637, Port Orchard, WA 98366

SCALE:	AS SHOWN
DATE:	July 2020
DRAWING NUMBER	1810526
SHEET	S1



\\server-host\NLO Projects\10526 King Homes - New SFR\Working\KH2340 Plan.dwg, 7/17/2020 2:23:03 PM, \\SERVER-HOST\HP PageWide XL 5000PS MFP HPCL2



Subject To Field Inspection

Full manufactured truss engineering shall be available on-site at framing inspection

CHANGES  
MUST Be Approved Prior  
To Performing Work

Reviewed for code compliance  
with IRC 2015  
Kitsap County Building Department  
gshapiro@co.kitsap.wa.us  
09/03/2020

1/4"=1'-0"

ROOF FRAMING

- NOTES:
- ALL WINDOW/DOOR HDR TO BE 4"x8" DF#2 U.N.O
  - ALL WINDOW/DOOR HDR JACK STUDS TO BE (2)2x U.N.O
  - TRUSS HANGERS BY TRUSS MANUFACTURER
  - OVERFRAMING TO BE 2"x10" @ 24"o/c U.N.O

REVISIONS		DATE		BY	
NO	DATE	BY	DESCRIPTION	DESIGNED	9/18
				DRAWN	9/18
				CHECKED	MMZ 9/18
				APPROVED	
				ACCEPTED	

FOR:

King Homes  
P.O. Box 547  
Olalla, WA 98359

KH2340R Plan  
Parcel #282392-4-049-2000  
Kitsap County



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SCALE: AS SHOWN

DATE: July 2020

DRAWING NUMBER

1810526

SHEET S2







DESIGN CRITERIA:			
1. BUILDING CODE: 2015 INTERNATIONAL BUILDING CODE			
2. VERTICAL LOADS:	ROOF	FLOOR	
	SNOW LOAD	25 psf	
	LIVE LOAD	25 psf	40 psf
	DEAD LOAD	15 psf	12 psf
3. LATERAL LOAD FORCES TRANSMITTED BY DIAPHRAGM AND WIND SHEARWALLS AND THENCE TO FOUNDATION WHERE RESISTED BY PASSIVE PRESSURE AND SLIDING FRICTION			
4. SNOW DESIGN DATA (ASCE 7-10)			
FLAT SNOW LOAD, $P_f$ : 23.1 psf			
SNOW EXPOSURE FACTOR, $C_e$ : 1.0			
SNOW IMPORTANCE FACTOR, $I_s$ : 1.0			
THERMAL FACTOR, $C_t$ : 1.1			
5. WIND DESIGN DATA (ASCE 7-10)			
WIND SPEED: $V_{ult}$ =110 mph			
RISK CATEGORY: II			
EXPOSURE CATEGORY: B			

SHEARWALL SCHEDULE					
MARK	MINIMUM SHEATHING	EDGE NAILING	FIELD NAILING	SILL PLATE NAILING	SILL PLATE C19NN, # 4ND
△	7/16" CDX ONE FACE	8d @ 6" o.c.	8d @ 12" o.c.	(2) 16d @ 16" o/c	5/8" dia. @ 48" o.c. w/ 3x BTM. PLATE
△	ONE FACE	8d @ 4" o.c.	8d @ 12" o.c.	(2) 16d @ 12" o/c	5/8" dia. @ 36" o.c. w/ 3x BTM. PLATE
△	7/16" CDX ONE FACE	8d @ 3" o.c.	8d @ 12" o.c.	(2) 16d @ 8" o/c	5/8" dia. @ 30" o.c. w/ 3x BTM. PLATE
△	15/32" CDX ONE FACE	10d @ 4" o.c.	10d @ 12" o.c.	(2) 16d @ 8" o/c	5/8" dia. @ 24" o.c. w/ 3x BTM. PLATE
△	ONE FACE	10d @ 3" o.c.	10d @ 12" o.c.	(2) 16d @ 6" o/c	5/8" dia. @ 18" o.c. w/ 3x BTM. PLATE

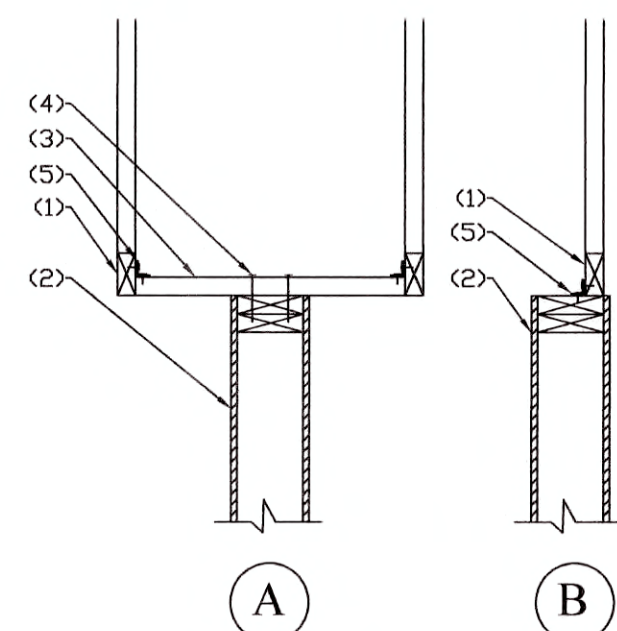
SHEARWALL NOTES:

1. ALL STUDS AND BLOCKING SHALL BE #F22 ALL TOP AND BOTTOM PLATES SHALL BE #F22. ALL SHEATHING EDGES SHALL BE BACKED WITH 2x OR WIDER FRAMING UNLESS OTHERWISE SPECIFIED (#2 SHEATHING MAY BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY.)
2. WHERE SHEATHING UNLIES IS A  $\Delta$  OR GREATER, FOUNDATION SILL PLATES AND ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PLATES SHALL NOT BE LESS THAN A SINGLE 3-INCH NOMINAL MEMBER AND SILL PLATES NOT BE LESS THAN A SINGLE 3-INCH NOMINAL MEMBER.
3. NAILING CRITERIA IS BASED ON IBC 2306.3 AND AF&PA SPOWS TABLE 4.3A FOR ALL STUDS AND FRAMING. WOOD STUDS ETC. MUST BE SUBSTITUTED AS OUTLINED IN THE STRUCTURAL NOTES. OTHER SUBSTITUTIONS MUST BE VERIFIED IN WRITING BY THE STRL. ENGINEER.
4. HOLD/DOWNS AND OTHER CONNECTIONS MAY BE REQUIRED AT THE ENDS OF MANY SHEARWALLS. SIZES AND LOCATIONS OF THESE CONNECTORS ARE INDICATED ON THE PLANS. REFER TO THE APPROPRIATE CONNECTOR DETAILS FOR ADDITIONAL INFORMATION REGARDING ANCHOR BOLTS, EMBEDMENT LENGTH, ETC.
5. ANCHOR BOLTS MUST BE EMBEDDED INTO CONCRETE OR GROUTED C/W A MINIMUM OF 7", AND SHALL BE PLACED TO PROVIDE A MINIMUM OF 2" GROUTED CLEAR TO THE FACE OF FORMED CONCRETE (PROVIDED 3" CLEAR FOR CONCRETE CAST AGAINST SOIL).
6. EDGE OF ANCHOR BOLT WASHER SHALL BE WITHIN 1/2" OF SHEAR WALL SHEATHING

HOLDOWN SCHEDULE				
MODEL	ANCHOR BOLT	THRU BOLTS OR NAILS	EMBEDMENT LENGTH	MIN. EDGE DISTANCE
HDU2	5/8" DIA	(3) SDS SCREWS	21" SSB24	1 3/4"
HDU4	5/8" DIA	(10) SDS SCREWS	21" SSB24	1 3/4"
HDU5	5/8" DIA	(14) SDS SCREWS	25" SSB28	1 3/4"
HDU8	7/8" DIA	(20) SDS SCREWS	25" SSB28	1 3/4"

HOLD DOWN NOTES:

1. ALL THREAD BOLTS SHALL CONFORM TO ASTM A307.
2. MIN. CONCRETE COMPRESSIVE STRENGTH  $f'c=3,000$  psi.
3. HD11/8 REQUIRES A 6X6 MIN. POST SIZE, HD4/45 REQUIRES (2X2) MIN. POST SIZE, HD19 REQUIRES MIN. 6X8 POST SIZE U.N.D.
4. MINIMUM EDGE DISTANCE SHOWN IS FOR FORMED CONCRETE EXPOSED TO SOIL OR WEATHER. FOR CONCRETE CAST AGAINST SOIL PROVIDE 3" CLEAR TO ANCHOR BOLT.
5. NAILS TO BEHOLDEN POSTS SHALL BE 10d COMMON, (16d SINKERS MAY BE USED WITH PRIOR WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER).

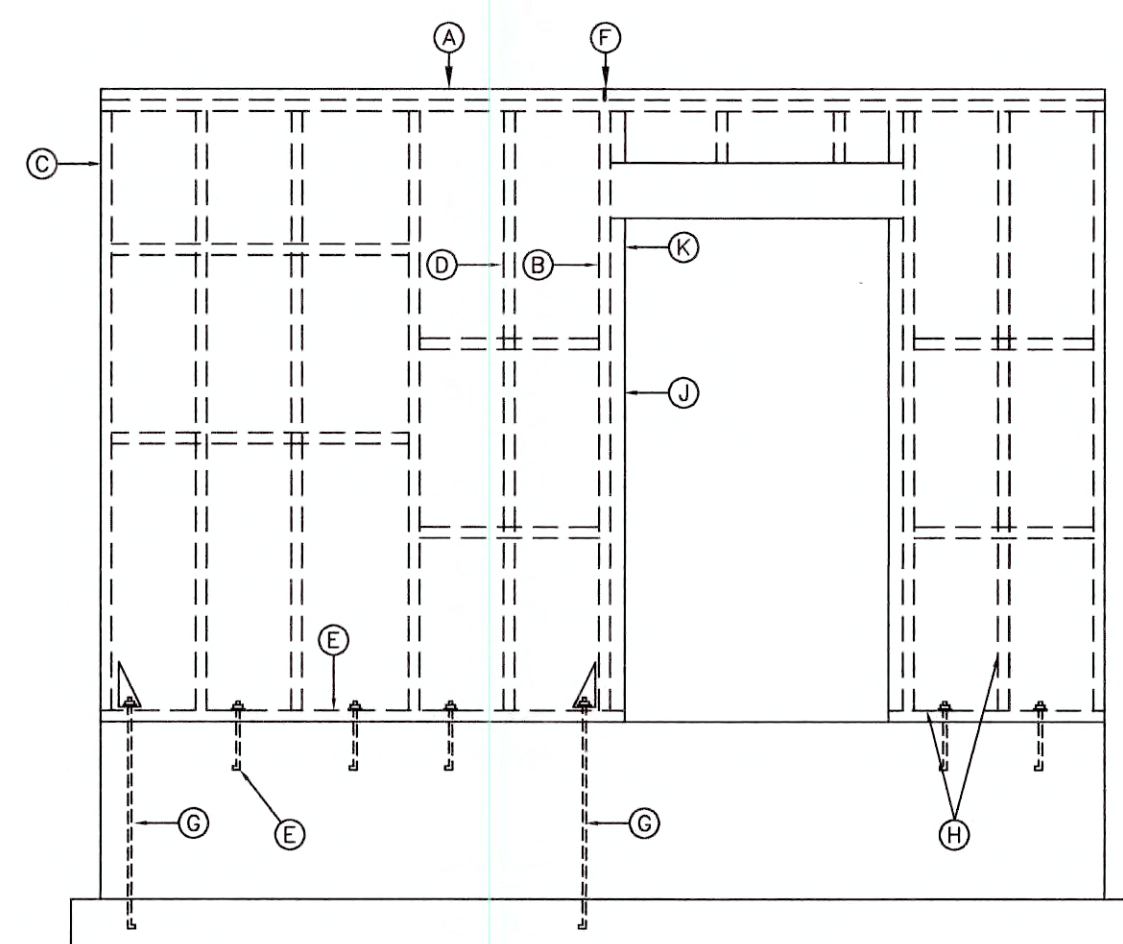


8-TRUSS TO INT. SHEARWALL  
NTS

- WOOD NOTES:**
1. FRAMING LUMBER SHALL BE HEM-FIR NO. 2; AND HEM-FIR NO. 2 FOR ALL TOP AND BOTTOM PLATES (GRADES ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS). LUMBER TO BE GRADE MARKED PER WCLUB SPECIFICATIONS.
  2. STRUCTURAL SHEATHING SHALL BE APA RATED PLYWOOD, EXPOSURE 1, SHEATHING CONFORMING TO EITHER COMMERCIAL STANDARDS #51-83, APA PRP-108, OR VOLUNTARY PRODUCT STANDARD PSE-92. PROVIDE MINIMUM OF 3/8" EDGE DISTANCE ON ALL NAILS AND 1/8" EXPANSION JOINTS BETWEEN ALL PANEL EDGES. MINIMUM SHEATHING REQUIREMENTS ARE AS FOLLOWS:  
  
ROOF SHEATHING TO BE 15/32" C-D INT-APA RATED PLYWOOD WITH EXTERIOR GLUE, P.I. 24/0 (USE 5-PLY FOR PANELIZED ROOFS). NAILING B@ 6" INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS.  
  
SUB FLOORING TO BE 23/32" T&G C-D EXTERIOR/EXPOSURE 1-APA RATED PLYWOOD WITH EXTERIOR GLUE, P.I. 48/24. GLUE AND NAIL WITH 10d @ 6 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS.
  3. NAILING SHALL CONFORM TO TABLE 2304.10.1 OF THE INTERNATIONAL BUILDING CODE UNLESS NOTED OTHERWISE. USE COMMON NAILS THROUGHOUT UNLESS NOTED OTHERWISE.
  4. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY DETAILED OR APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
  5. PROVIDE 3"x3"x1/4" (USE GALVANIZED @ P.T. MEMBERS) PLATE WASHERS UNDER HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD UNLESS NOTED OTHERWISE. ALL FASTENERS IN CONTACT WITH PRESSURE TREATED TO BE HOT DIPPED GALVANIZED.
  6. BOLT HOLES SHALL BE NOMINAL DIAMETER OF BOLT PLUS 1/16" UNLESS OTHERWISE NOTED. LAG BOLT PILOT HOLES SHALL BE PRE-DRILLED TO 60% OF THE NOMINAL DIAMETER OF THE LAG BOLT UNLESS OTHERWISE NOTED.
  7. ALL SILL PLATES SHALL BE NOTED TO THE FOUNDATION WITH 5/8" MIN @ STEEL BOLTS SPACED AT 48" MAX. (EMBED 7" MIN INTO CONCRETE OR MASONRY). SEE PLANS AND DETAILS FOR SPECIFIC REQUIREMENTS WHERE OCCUR.
  8. ALL FRAMING LUMBER IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED. (SEE NOTE 1 FOR MINIMUM GRADE INFORMATION)
  9. OSB OF EQUAL OR GREATER THICKNESS MAY BE SUBSTITUTED FOR PLYWOOD USED IN SHEAR PANELS AND DIAPHRAGMS.
  10. STUD NOTCHING: BEARING = 25% NOTCH, 40% BORING (60% BORING @ DBL.) NON BEARING = 40% NOTCH, 60% BORING HOLES NO CLOSER THAN 5/8" TO FACE OF STUD

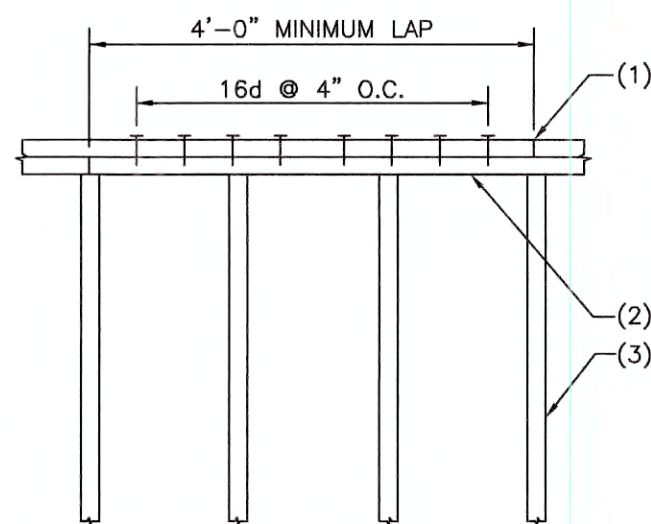
CONCRETE NOTES:

1. MINIMUM 28 DAY STRENGTH 3,000 PSI ( $f'_c=3,000$  PSI), UNLESS NOTED OTHERWISE
2. ASTM A615 ( $f_y=60$  KSI) DEFORMED BARS FOR ALL BARS. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE BY THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY.
3. MINIMUM SPLICE LENGTHS: # 4 BAR-24" LAP; # 5 BAR-30" LAP; # 6 BAR-42"
4. MINIMUM CLASH COVERAGE: CAST AGAINST EARTH-3"; # 6 BAR OR SMALLER-2"

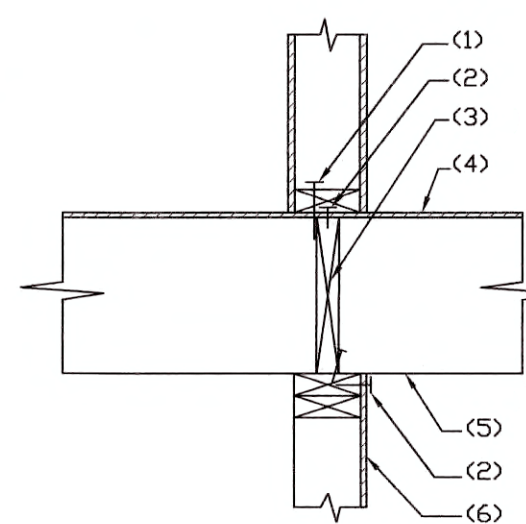


<p>Ⓐ DOUBLE TOP PLATE w/ EEDGE NAILING (STAGGER) SEE SHEARWALL SCHEDULE FOR LUMBER GAUGE</p> <p>Ⓑ EEDGE NAILING AT ALL PANEL EDGES, BACK w/ 2" MIN. SPACING OR BACKING</p> <p>Ⓒ EEDGE NAILING TO HOLDUPON POST (FULL HEIGHT)</p> <p>Ⓓ STUDS @ 16" o.c.</p> <p>Ⓔ P.T. STUDS w/ EEDGE NAILING &amp; ANCHOR BOLTS PER SHEARWALL SCHEDULE (PROVIDE A MINIMUM OF 5/8" dia. ANCHOR BOLTS @ 48" o.c.)</p>	<p>Ⓐ TOP PLATE PLACING &amp; NAILING PER PLANS, LAP 4"-0" MINIMUM. CENTER SPACING ON STUD.</p> <p>Ⓑ HOLDUPON PER SCHEDULE AND PLANS</p> <p>Ⓒ COORDINATE ALL STUD AND PLATE SIZES w/ SHEARWALL SCHEDULE REQUIREMENTS</p> <p>Ⓓ EEDGE NAILING TO POSTS, TRIM STUDS AND KING STUDS</p> <p>Ⓔ BEARING STUD FOR HEADER</p>
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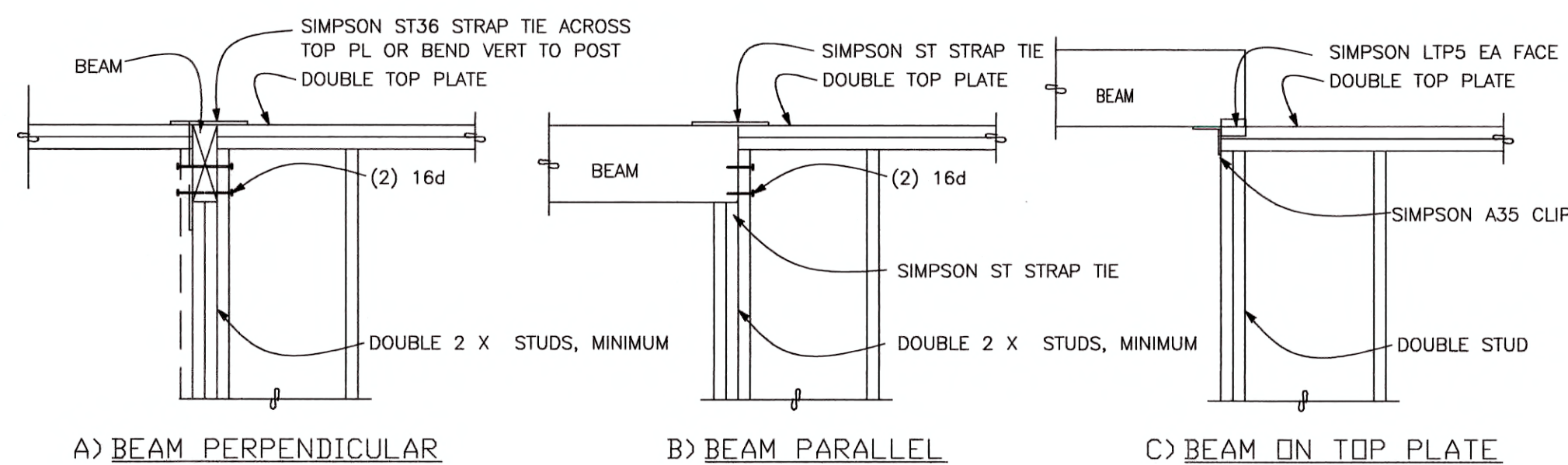
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NTS



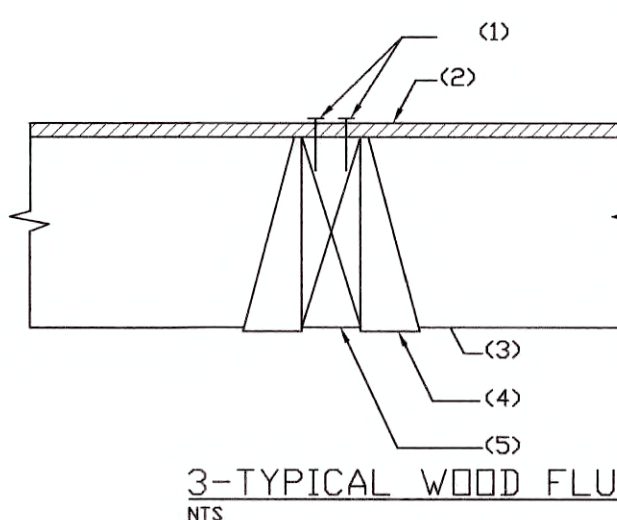
5-TYPICAL SPLICE OF WOOD TOP PLATE  
NTS



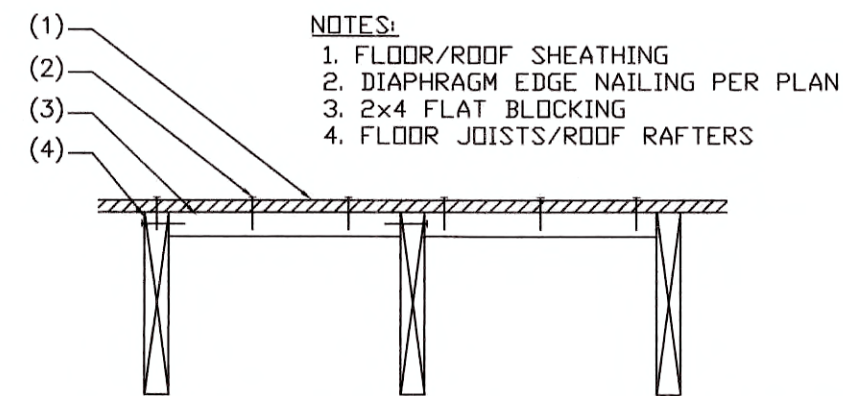
9-JOIST AT WOOD STUD WALL  
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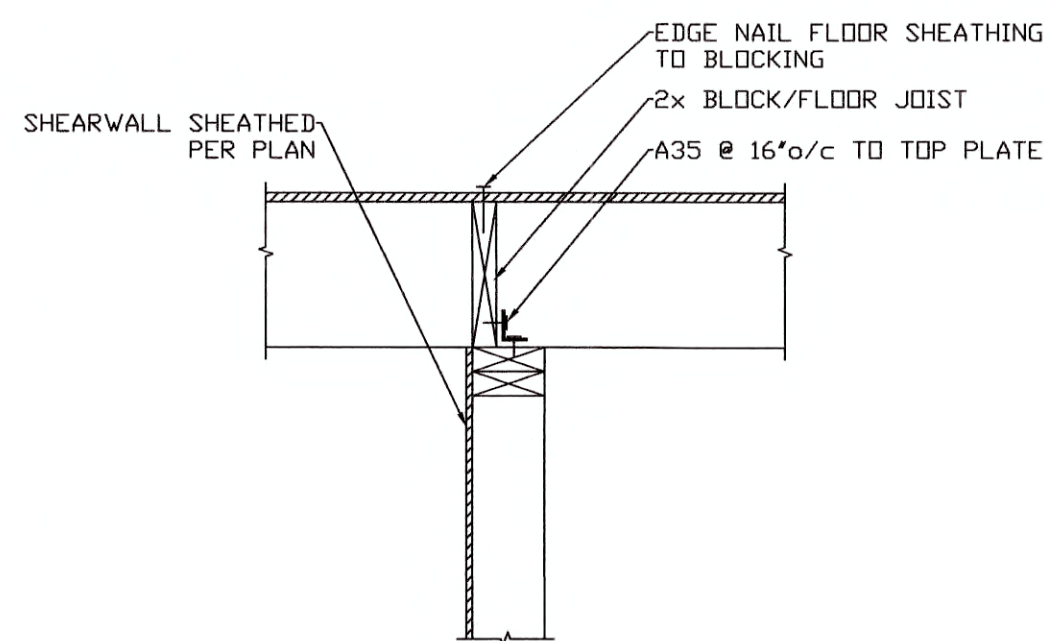
2-TYPICAL WOOD BEAM TO WOOD FRAMING  
NTS



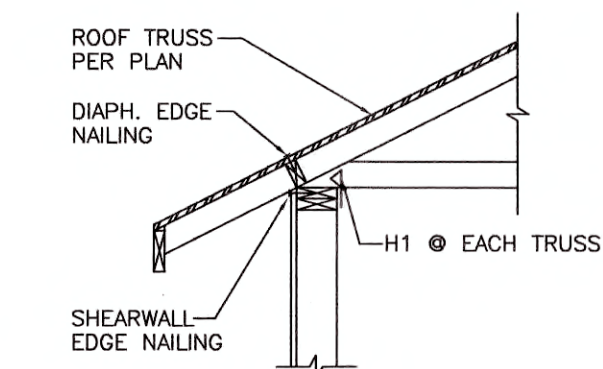
3-TYPICAL WOOD FLUSH BEAM  
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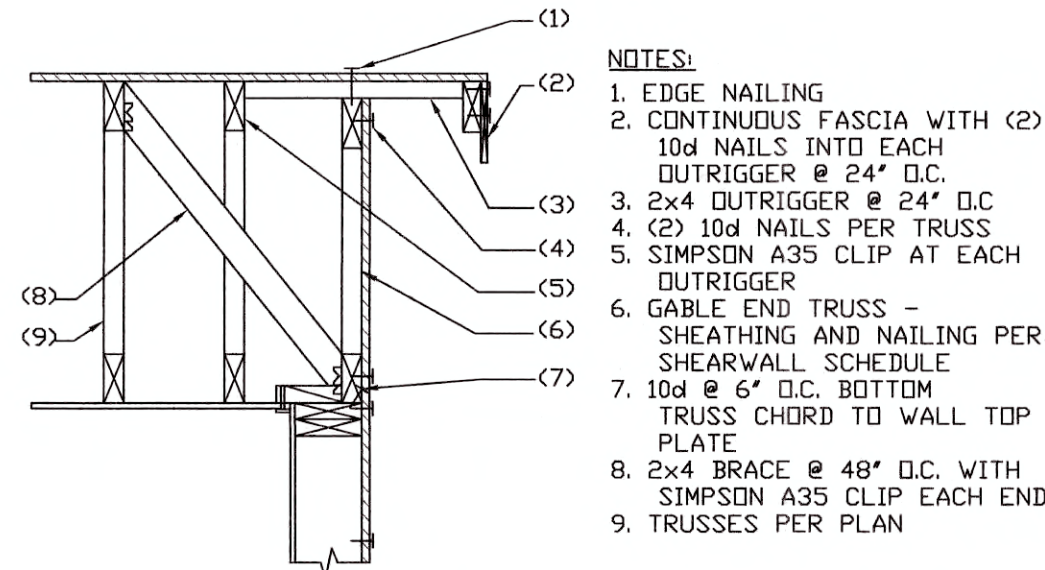
4-TYPICAL WOOD FLOOR/ROOF BLOCKING  
NTS



7-FLOOR TO INT. SHEARWALL  
NTS



12-TRUSS TO SHEARWALL CONN.



13-TRUSS GABLE END TRUSS

**Subject To Field Inspection**

**CHANGES  
MUST Be Approved Prior  
To Performing Work**

Reviewed for code compliance  
with IRC 2015  
Kitsap County Building Department  
gshapiro@co.kitsap.wa.us  
09/03/2020

REVISIONS				BY	DATE
			DESCRIPTION	DESIGNED	NIL 9/18
				DRAWN	NIL 9/18
				CHECKED	MMZ 9/18
				APPROVED	
				ACCEPTED	

**King Homes**  
P.O. Box 547  
Olalla, WA 98359

FOR:

**KH2340R Plan**  
Parcel #282392-4-049-2000  
Kitsap County



**△ N.L. Olson & Associates, Inc.**  
Engineering, Planning and Surveying

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SCALE: AS SHOWN

DATE:	July 2020
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DRAWING NUMBER

1810526

SHEET S4