BASEMENT SLAB

4" CONC. SLAB ON 6 MIL VAPOR BARRIER ON 4" MIN. GRANULAR FILL ON 95% COMPACTED FILL/VIRGIN SOIL

GARAGE SLAB

4" CONC. SLAB ON 4" MIN. GRANULAR FILL ON 95% COMPACTED FILL/VIRGIN SOIL

PORCH SLAB

4" CONC. SLAB ON GRADE ON 6 MIL VAPOR BARRIER ON 4" MIN. GRANULAR FILL ON 95% COMPACTED FILL/VIRGIN SOIL

• DESIGN IS BASED ON 2018 INTERNATIONAL RESIDENTIAL CODE

GENERAL STRUCTURAL NOTES

DESIGN LOADS:

SOIL 2,000 PSF ALLOWABLE BEARING PRESSURE CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.: f'c = 2,500 psi: FOUNDATION WALLS* 2,500 psi: FOOTINGS* 2,500 psi: INTERIOR SLABS ON GRADE

3,500 psi: GARAGE & EXT. SLABS ON GRADE fy = 60,000 psi

EQUIVALENT TO 3,000 PSI CONCRETE FOR WEATHERING POTENTIAL • ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 7% AIR ENTRAINMENT.

• FOUNDATION WALL DESIGN IS BASED ON BACKFILL SOIL RECOMMENDATIONS PER COBALT GEOSCIENCES LLC

● TYPICAL REINFORCEMENT DETAILS: LAP ALL REBAR 24" MIN.; BEND BARS AND LAP AT CORNERS; PROVIDE 6" HOOK INTO SUPPORTING FOOTINGS WHEN FOOTINGS INTERSECT; PROVIDE 3" MINIMUM COVER AT THE BOTTOM BARS AND 1 1/2" COVER AT THE SIDES.

• FOUNDATION WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, EITHER ADEQUATE TEMPORARY BRACING OR INSTALLATION OF FIRST FLOOR DECK.

• ALL FOOTINGS SHALL BEAR BELOW FROST LINE. CONSULT SOILS REPORT/ LOCAL MUNICIPALITY FOR MINIMUM DEPTH BELOW GRADE. • FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL.

• PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP. (15'-0" O.C.)

• FASTEN SILL PLATES TO FOUNDATION WALLS WITH 5/2" DIA. ANCHOR BOLTS W/ MIN. 3"x3"x ¼" PLATE WASHERS (EDGE OF WASHER TO BE LOCATED WITHIN ½" OF EXTERIOR EDGE OF SILL PLATE) & NUTS @ 6'-0" O.C. @ 2-STORY & 4'-0" O.C. @ 3-STORY CONDITIONS w/ 7" MIN. EMBEDMENT INTO CONC. PROVIDE A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAXIMUM FROM PLATE ENDS, U.N.O. (SEE FND. DETAILS). • ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ CONCRETE OR MASONRY FOUNDATION SHALL BE PRESERVATIVE TREATED HFM FIR #2.

• BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORDINAT

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
HD-I	SIMPSON STHD14 (RJ) HOLD-DOWN
HD-5	SIMPSON CSI6 STRAP TIE (14" END LENGTH)
HD-6	SIMPSON MSTC40 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.)
HD-7	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.)

MEANS & METHODS NOTES

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS FINISHED AND ALL PLAN, DETAIL, AND NOTE SPECIFICATIONS HAVE BEEN COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION. THIS INCLUDES. BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENTS IN CONTACT WITH FLOOR FRAMING ARE LEVEL, INCLUDING, BUT NOT LIMITED TO; FOUNDATIONS, SLABS ON GRADE, BEAMS, WALLS, AND NON-BEARING ELEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY, OR WARRANTY TOLERANCES.

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS NOTED OTHERWISE ON PLAN. MULHERN & KULP CANNOT BE HELD RESPONSIBLE FOR ANY STRUCTURAL ISSUES RELATED TO ANY BUILDING COMPONENT IF COMPONENT SHOP DRAWINGS ARE NOT SUBMITTED TO M&K FOR REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.

TRUSSES SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES OR GIRDER TRUSSES DOES NOT EXCEED THE FOLLOWING:

A. ROOF TRUSSES: 1/4" DEAD LOAD

FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS: 1/8" DEAD LOAD

3/16" DEAD LOAD. (NOT DIFFERENTIAL DEFLECTION)

FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO FLOOR FRAMING BY OTHERS: LIMIT ABSOLUTE TRUSS DEFLECTION TO

LOADING AND DESIGN PARAMETERS

FOUNDATION

<u>GRAVITY DESIGN LOADS:</u> DEAD LOAD (PSF): ROOF JOISTS: DECK JOISTS : FLOOR (TRUSSES) : TILE FLOORS: PEDESTAL PAVERS:

40

30

25

0.9

100

±0.18

1.0

LIVE LOAD (PSF): ROOF : RESIDENTIAL LIVING AREAS : RESIDENTIAL SLEEPING AREAS : RESIDENTIAL WOOD DECKS: GARAGE :

SNOW LOAD: * UTILIZE 5½" SACK 2500 PSI CONCRETE MIXES THAT ARE GROUND SNOW LOAD (Pg) (PSF): FLAT ROOF SNOW LOAD (Pt) (PSF): SNOW EXPOSURE FACTOR (C.): SNOW LOAD IMPORTANCE FACTOR (I):

> THERMAL FACTOR (Ct): LATERAL DESIGN LOADS: WIND LOAD: (IBC 1609) SPEED (Vuit) (MPH) : WIND RISK CATEGORY: IMPORTANCE FACTOR (Iw):

> > EXPOSURE CATEGORY:

TOPOGRAPHIC FACTOR (Kzt):

SEISMIC LOAD: (IBC 1613) SEISMIC RISK CATEGORY: SEISMIC IMPORTANCE FACTOR (I.): 1.0 MAPPED SPECTRAL RESPONSE:

INTERNAL PRESSURE COEFF. (GCpl):

Sı: 0.499 Ss: 1.437 SITE CLASS: D(DEFAULT) SPECTRAL RESPONSE COEFF.: Sps: 1.150 Spi: 0.599 SEISMIC DESIGN CATEGORY: BASIC SEISMIC-FORCE-RESISTING SYS: LIGHT FRAMED WALLS W/WOOD STRUCTURAL PANELS

EQUIVALENT LATERAL FORCE

ULTIMATE BASE SHEAR: TRANS: 17 K LONG: 17 K SEISMIC RESPONSE COEFF. (Cs): TRANS: 0.177 LONG: 0.177 RESPONSE MODIFICATION FACTOR (R): TRANS: 6.5 LONG: 6.5 ANALYSIS PROCEDURE USED:

LATERAL BRACING NOTES

THIS HOME HAS BEEN ENGINEERED TO RESIST LATERAL FORCES RESULTING FROM: 100 MPH WIND SPEED, EXP. B (ASCE 7-16 WIND MAP, PER IRC R301.2.1.1)

RISK CAT. 2 & SEISMIC CAT. D2.

) MPH WIND IN 2018 IRC MAF ENGINEERED DESIGN WAS COMPLETED PER 2018 IBC (SECTION 1609 & 1613) & ASCE 7-16. AS PERMITTED BY R301.1.3 OF THE 2018 IRC. ACCORDINGLY, THIS HOME, AS DOCUMENTED AND DETAILED HEREWITHIN, IS ADEQUATE TO ESIST THE CODE REQUIRED LATERAL FORCES, AND DOES NOT NEED TO CONFORM TO THE PRESCRIPTIVE PROVISIONS OF R602.10.

STANDARD EXTERIOR WALL SHEATHING <u>SPECIFICATIONS</u> (INTERIOR WALL SPECIFICATION WHERE NOTED ON PLANS)

• 16" OSB OR 15/32" PLYWOOD:

FASTEN SHEATHING W/ 21/2 x0.131" NAILS @ 6"o.c. AT ALL SUPPORTED PANEL EDGES AND 12" O.C. IN THE PANEL FIELD. ALL SHEATHING SHEET PANEL EDGES SHALL OCCUR OVER WALL FRAMING MEMBERS OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT PANEL EDGE. ALL EXTERIOR WALLS SHALL BE CONSTRUCTED PER THIS SPECIFICATION U.N.O. ON

<u>3" o.c. EDGE N</u>AILING (WHERE NOTED ON PLANS)

• 16" OSB OR 15/32" PLYWOOD: ONLY AT LOCATIONS INDICATED ON PLANS - SHEATHE WALL SHOWN WITH 1/6" OSB. FASTEN SHEATHING W/ 21"XO.131" NAILS @ 3" O.C. AT EDGES AND 12" O.C. AT CENTER. ALL SHEATHING SHEET PANEL EDGES SHALL OCCUR OVER WALL FRAMING MEMBERS OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT PANEL EDGE AND 3" O.C. FASTENING.

LATERAL ANALYSIS ASSUMES STUD SPACING @ 16" o.c. ALL SHEAR WALLS SHALL HAVE DOUBLE TOP PLATES

FASTENED TOGETHER W/ 3"XO.131" NAILS @ 8" O.C. USE (12)31/2"x0.135" NAILS AT EACH LAP SPLICE, (6) EACH SIDE OF JOINT (TYP. U.N.O)

3. ALL EXTERIOR WALLS ARE CONTINUOUSLY SHEATHED.

4. ALL INTERIOR SHEAR WALLS AND EXTERIOR WALLS ARE SHEATHED ABOVE AND BELOW OPENINGS.

LEGEND

• IIIIII INTERIOR BEARING WALL

• ==== BEARING WALL ABOVE (B.W.A.), OR SHEARWALL • --- BEAM / HEADER

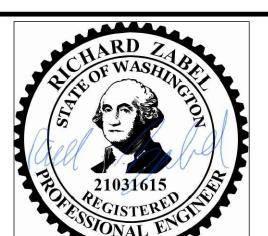
INTERIOR SHEAR WALL PANEL OR EXTERIOR SHEAR WALL W/ 3" O.C. EDGE NAILING

HATCH INDICATES AREA OF OVERFRAMING

JL METAL HANGER

* INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE. (P.A. = POST ABOVE)

INDICATES HOLDOWN.



GENERAL STRUCTURAL NOTES

DESIGN PARAMETERS

• DESIGN IS BASED ON 2018 INTERNATIONAL RESIDENTIAL CODE **\$ 2018 INTERNATIONAL BUILDING CODE** • WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN

GENERAL FRAMING

• EXTERIOR BEARING WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. (w/ DOUBLE TOP PLATE) HEM FIR (HF) "STUD" GRADE LUMBER, OR BETTER, U.N.O.

• INTERIOR BEARING WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. (W/ DOUBLE TOP PLATE) HEM FIR (HF) "STUD" GRADE LUMBER, OR BETTER, U.N.O.

• ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x 'STUD' GRADE MEMBERS SPACED @ 24" O.C. (MAX.) • ALL WALLS TALLER THEN TYP. PLATE HEIGHT SHALL BE

CONSIDERED BALLOON FRAMED & SHALL BE CONSTRUCTED FROM FLOOR TO UNDERSIDE OF FRAMING AT NEXT LEVEL. B.F. WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) HEM FIR (HF) #2 GRADE LUMBER, OR BETTER.

● ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM.

- THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, U.N.O.. ● BUILT-UP POSTS SHALL BE 2x4 OR 2x6 HEM FIR (HF) "STUD" GRADE

LUMBER, OR BETTER, U.N.O. & SOLID WOOD COLUMNS SHALL BE SPRUCE PINE FIR (SPF) #2 GRADE LUMBER, OR BETTER, U.N.O. • ALL 2x6 AND LARGER SOLID SAWN BEAMS/HEADERS SHALL BE HEM FIR #2 (HF #2) OR BETTER. ALL 4x6 AND LARGER SOLID SAWN

LUMBER SHALL BE DOUG FIR #2 (DF #2) OR BETTER. ALL FRAMING LUMBER SHALL BE KILN DRIED TO 15% MC (KD-15). • ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN GENERAL NOTES, IN DETAILS, OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS

FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS. FASTEN ALL BEAMS TO COLUMNS, OR FLUSH BEAMS TO SUPPORTING BEAMS, W/ (4) 3"x0.131" TOENAILS (MIN.), TYP. U.N.O.

• PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS & HOLD-DOWNS CONTINUOUS TO FOUNDATION/BEARING. BLOCKING TO MATCH POST ABOVE. • ENGINEERED LUMBER TO MEET OR EXCEED THE FOLLOWING:

 LSL MEMBERS - Fb=2325 PSI; Fv=310 PSI; E=1.55x10^6 PSI LVL MEMBERS - Fb=2600 PSI; Fv=285 PSI; E=2.0xI0^6 PSI GLB MEMBERS - Fb(+)=2400 PSI; Fb(-)=1850 PSI; Fv=265 PSI; E=I.8xI0^6 PSI; DF/DF; 24F-V4 (U.N.O) ● ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:

 LVL MEMBERS - Fb=2400 PSI; FcII=2500 PSI; E=1.8xI0^6 PSI • FACE NAIL MULTI-PLY 2x BEAMS & HEADERS W/ 3-ROWS OF 3"x0.131" NAILS (MIN.) @ 12" O.C. STAGGERED. APPLY NAILING FROM BOTH FACES @ 3-PLY OR MORE CONDITIONS. UTILIZE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.

• ALL MEMBERS SPECIFIED AS MULTI-PLY 13/4" SHALL BE FASTENED TOGETHER PER MANUFACTURER. EQUIVALENT WIDTH SOLID MATERIAL MAY BE USED AS EQUAL.

• FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS w/P.A.F.s ('HILTI' X-U PINS OR EQUAL (0.157" DIA. x 2" LONG MIN.)) @ 16" O.C. STAGGERED, OR 1/2" DIA. BOLTS @ 48" O.C., STAGGERED. ● REFER TO IRC FASTENING SCHEDULE TABLE R602.3(I) FOR ALL CONNECTIONS, TYP. U.N.O.

FLOOR FRAMING

● I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA AND SHALL RUN CONTINUOUS OVER SUPPORTS WHEREVER POSSIBLE ALL LOADS SHOWN ON PLAN FOR MANUF. DESIGNS ARE ASD LEVEL LOADS, U.N.O. (EXCLUDES STONE/MARBLE OR WET BED CONSTRUCTED FLOORS - CONTACT M&K FOR EXCLUDED DESIGNS). ● ALL METAL I-JOIST/TRUSS HANGERS SHALL BE SPECIFIED BY

I-JOIST/TRUSS MANUFACTURER, UNLESS OTHERWISE NOTED. • I-JOIST/TRUSS SHOP DRAWINGS SHALL BE SUBMITTED TO

ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY. • 2x FLOOR JOISTS HAVE BEEN DESIGNED TO MEET OR EXCEED

L/360 LIVE LOAD DEFLECTION CRITERIA. • TYPICAL 2x JOIST HANGERS (U.N.O. ON PLANS): SINGLE PLY: SIMPSON LUS210

DOUBLES: SIMPSON LUS210-2 • FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED 'STURD-I-FLOOR' 24" O.C, EXPOSURE I (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND

 $2\frac{1}{2}$ " x 0.131" NAILS @ 6"o.c. @ PANEL EDGES $\mathfrak k$ @ 12"o.c. FIELD. ● ALL FLUSH CONNECTIONS SHALL BE CONNECTED WITH HANGER APPROPRIATE FOR MEMBER SIZE. U.N.O.

lacktriangle FASTEN HANGERS TO SINGLE PLY FLUSH BEAMS W/ lacktriangle" LONG NAILS.

FASTEN EACH ROOF TRUSS TO TOP PLATE W/ (3) 3"x0.131" TOENAILS (MIN.) & (I) 'SIMPSON' H2.5T CLIP @ ALL BEARING POINTS.

ROOF FRAMING

PROVIDE (2) 'SIMPSON' H2.5T CLIPS AT 2-PLY GIRDER TRUSSES \$ 3-PLY GIRDER TRUSSES AT ALL BEARING POINTS. • FASTEN EACH ROOF RAFTER TO TOP PLATE WITH (I) 'SIMPSON'

H2.5T CLIP. PROVIDE (2) 'SIMPSON' H2.5T CLIPS AT FLUSH BEAMS IN THE ROOF - AT ALL BEARING POINTS. • ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE I (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS w/ 2 ½" x 0.131" NAILS @ 6"o.c. AT PANEL EDGES & @ 12" O.C. AT INTERMEDIATE SUPPORTS. ROOF SHEATHING SHALL EXTEND BELOW ALL INSTANCES OF OVERFRAMING. BLOCKING SHALL BE INSTALLED

AS REQUIRED TO LIMIT ROOF SHEATHING SPANS TO 24" MAX. • WITHIN 48" OF ALL ROOF EDGES, RIDGES, & HIPS FASTEN ROOF SHEATHING FIELDS PER EDGE NAILING SPEC.

• ALL METAL HANGERS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER, UNLESS OTHERWISE NOTED. ● ROOF TRUSS SHOP DRAWINGS SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY.

• ROOF TRUSS SHOP DRAWINGS & CALCULATIONS SHALL BE PREPARED BY A WASHINGTON STATE LICENSED ENGINEER AND SHALL BE DESIGNED FOR UNBALANCED SNOW LOADING PER ASCE 7-16, SECTION 7.6.

• ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BCSI I-08 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES." • FASTEN OVER-FRAMED TRUSS SETS TO TRUSSES BELOW w/ (2)

BOTTOM CHORD ABOVE WITH SIMPSON STC CLIPS AT 24" o.c. MAX PROVIDE BLOCKING BETWEEN THE TRUSS BOTTOM CHORDS AS

REQUIRED FOR THE PARALLEL CONDITIONS

3"x0.131" TOENAILS AT EA. TRUSS. • SUPPORT PORCH & SHORT SPAN ROOF TRUSSES (UP TO 6' TRIB.) w/2x6 LEDGER FASTENED TO FRAMING w/(3) 3"x0.131" NAILS @ 16" (• FASTEN ALL INTERIOR NON-BEARING PARTITION WALLS TO TRUSS

SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION. copyright: MULHERN & KULP

Structural Engineering, Inc.

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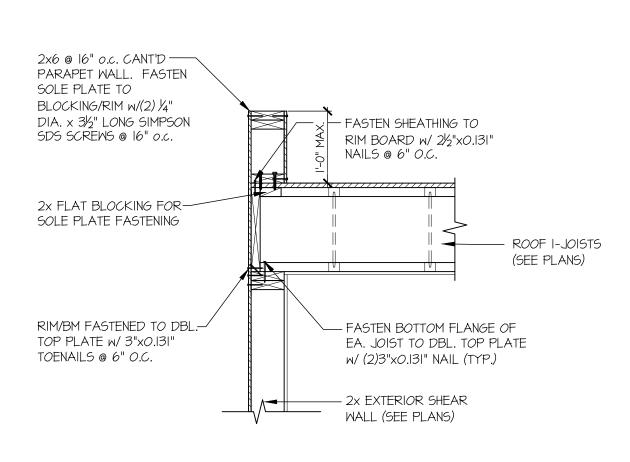
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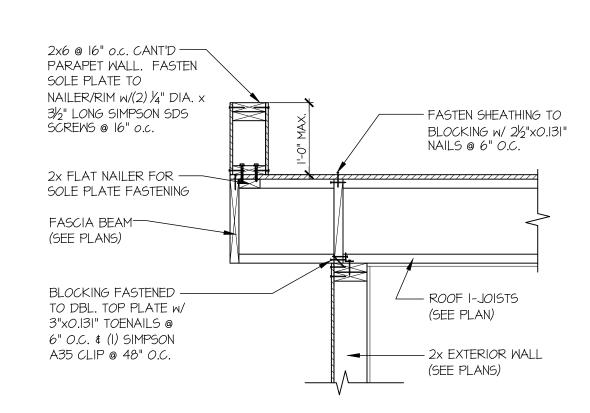
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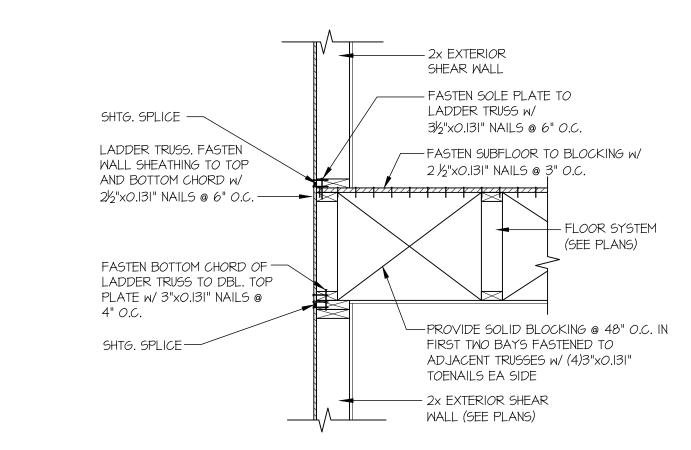
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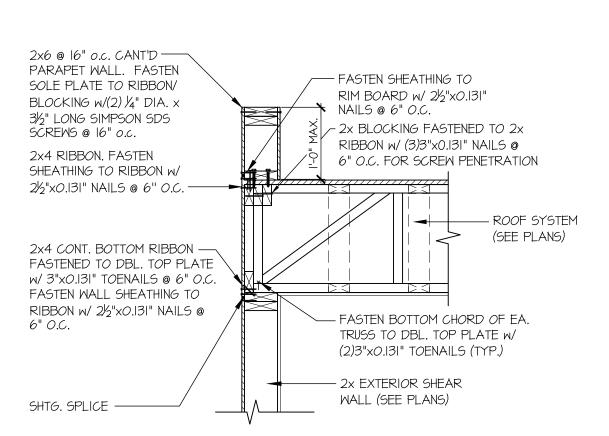
- FASTEN SHEATHING TO RIM

一%" OSB RIM FASTENED TO

TOENAILS @ 6" O.C.

DBL. TOP PLATE w/ 3"xO.l31"

w/ 2½"x0.131" NAILS @ 6" O.C.



- 2x EXTERIOR

SHEAR WALL

NAILS @ 6" O.C.

SHTG. SPLICE —

2x4 RIBBON, FASTEN

SHEATHING TO RIBBON W/

2½"x0.131" NAILS @ 6" O.C. ——

2x4 CONT. BOTTOM RIBBON —

FASTENED TO DBL. TOP PLATE w/ 3"x0.131" TOENAILS @ 6"

O.C. & (1) SIMPSON A35 CLIP @

FASTEN WALL SHEATHING TO

RIBBON w/ 21/2"xO.131" NAILS @

EA. BAY (24" O.C. MAX.)

4" O.C.

SHTG. SPLICE

- FASTEN SOLE PLATE TO

2x4 RIBBON w/ 3"x0.131"

- FASTEN BOTTOM CHORD OF EA.

TRUSS TO DBL. TOP PLATE W/

(2)3"x0.131" TOENAILS (TYP.)

- 2x EXTERIOR SHEAR

WALL (SEE PLANS)

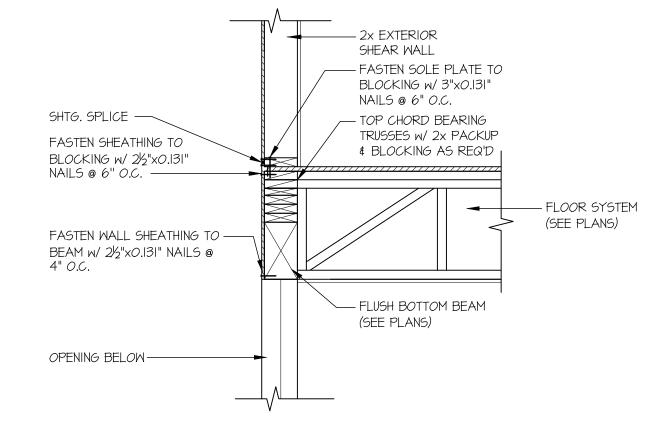
TYPICAL SHEAR TRANSFER DETAIL

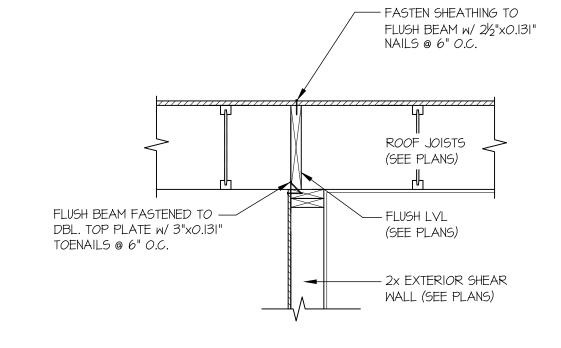
BETWEEN FLOORS @ EXTERIOR WALL

SCALE: 3/4"=1'-0"

(SEE PLANS)

PERPENDICULAR FRAMING





5 ROOF & EXTERIOR WALL

SCALE: 3/4"=1'-0"

TYPICAL SHEAR TRANSFER DETAIL @



FLOOR SYSTEM -

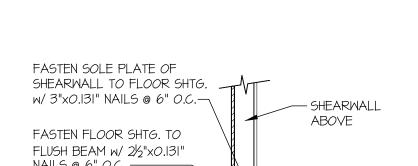
2x SHEAR WALL-

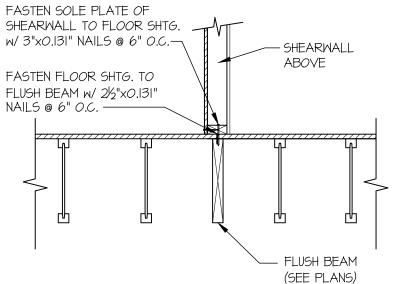
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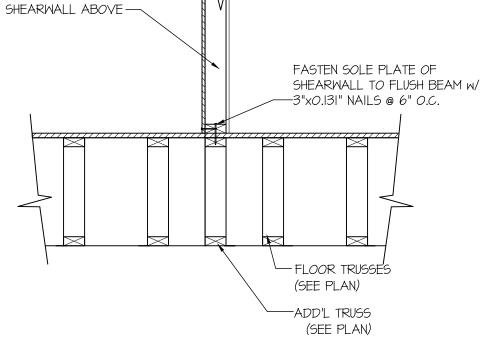
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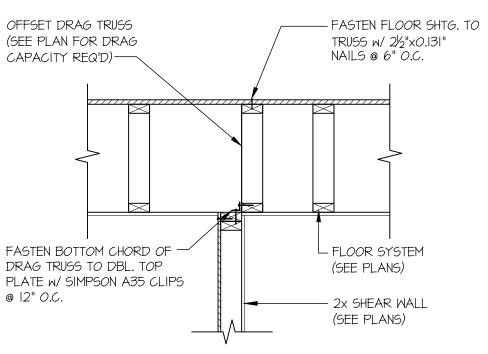














PROVIDE 1/2" OSB SHEATHED -

PANEL TO 2x4 RIBBON @

2½"x0.131" NAILS @ 6" O.C.

TOP PLATE w/ 3"xO.131" TOENAILS @ 6" O.C.

72" O.C. FASTEN TO 2x4 w/

RIBBON FASTENED TO DBL.

SHEARWALL ABOVE-

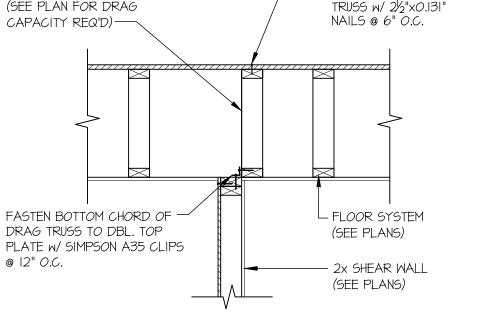
2x4 RIBBON-

FLOOR SYSTEM

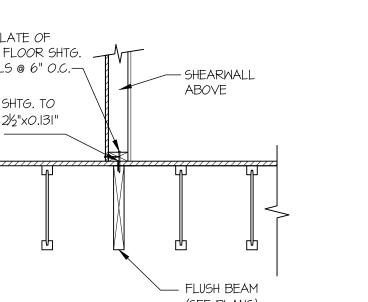
(SEE PLANS)

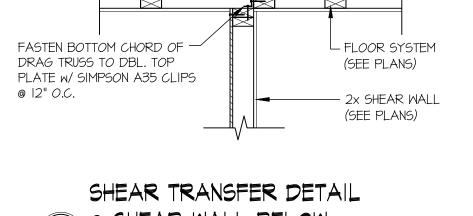
SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE SCALE: 3/4"=1'-0" PARALLEL FRAMING













-FASTEN SOLE PLATE OF SHEARWALL TO RIBBON W/

3"x0.131" NAILS @ 6" 0.C.

- FASTEN FLOOR SHEATHING

- FASTEN BOTTOM CHORD OF EA.

TRUSS TO DBL. TOP PLATE W/

(2)3"x0.131" TOENAILS (TYP.)

- 2x INTERIOR SHEAR

WALL (SEE PLANS)

TO RIBBON w/ 21/2"x0.131"

NAILS @ 6" O.C.

ROOF OR FLOOR SYSTEM -(SEE PLANS)

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M&K project number:

drawn by:

REVISIONS:

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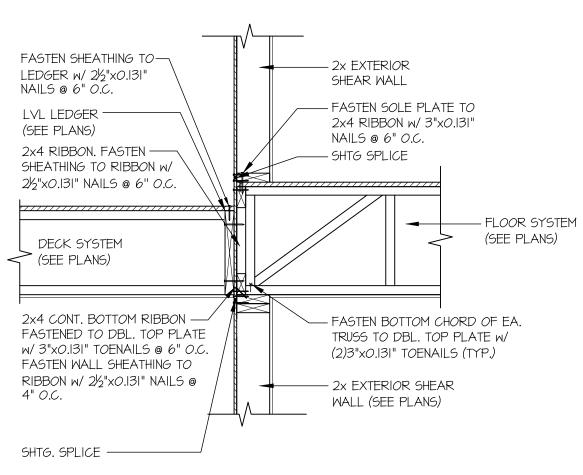
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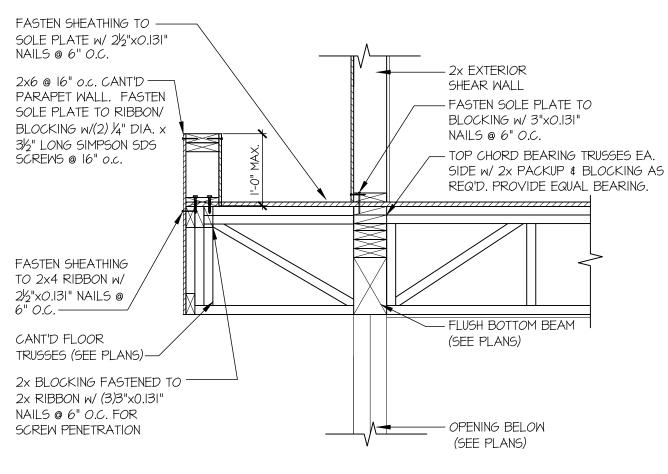
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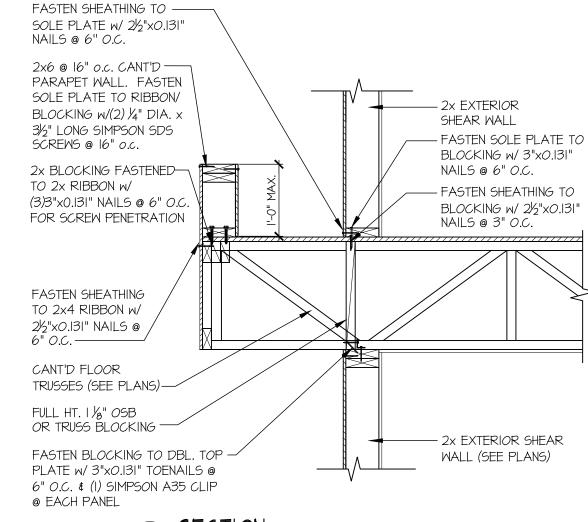




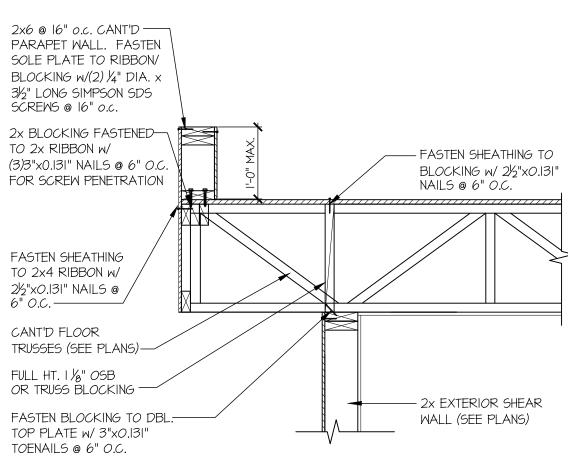




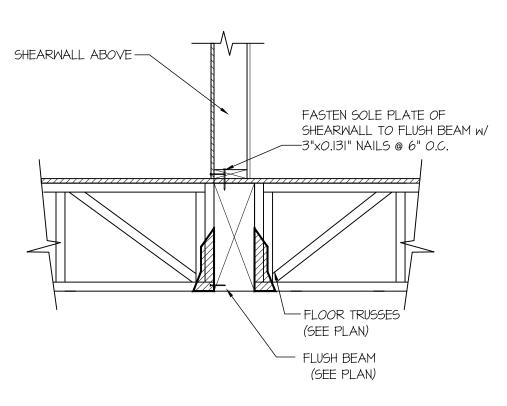




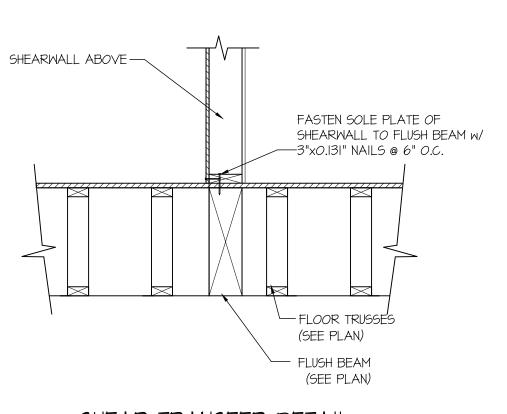








SHEAR TRANSFER DETAIL @ 1NTERIOR SHEARWALL ABOVE SCALE: 3/4"=1'-0"



SHEAR TRANSFER DETAIL @ 1NTERIOR SHEARWALL ABOVE SCALE: 3/4"=1'-0"

- 2x EXTERIOR SHEAR

— FASTEN SOLE PLATE TO FLUSH BEAM/TRUSS w/

3"x0.131" NAILS @ 6" O.C.

WALL ABOVE.

-FLUSH BEAM OR

TRUSS (SEE PLAN)

- FASTEN FLUSH BEAM/TRUSS TO DBL TOP PLATE W/

3"x0.131" TOENAILS @ 6" O.C.

2x6 LADDER

SHTG SPLICE -

LVL LEDGER -

(SEE PLANS)

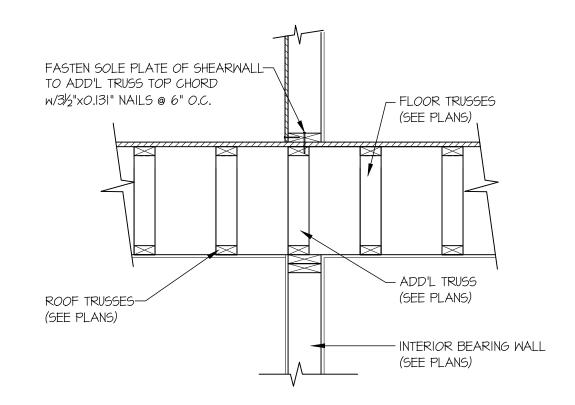
FASTEN SHEATHING TO-

LEDGER w/ 2½"x0.131" NAILS @ 6" O.C.

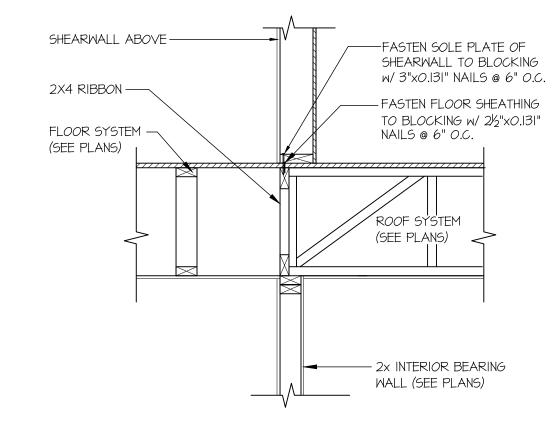
ROOF SYSTEM

(SEE PLANS)

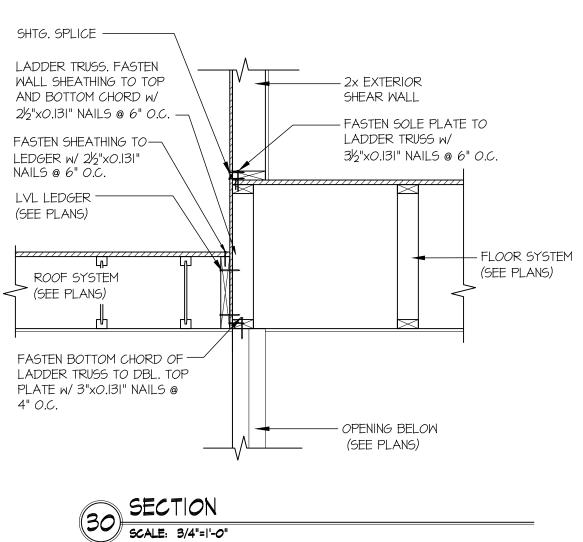
SHTG SPLICE -





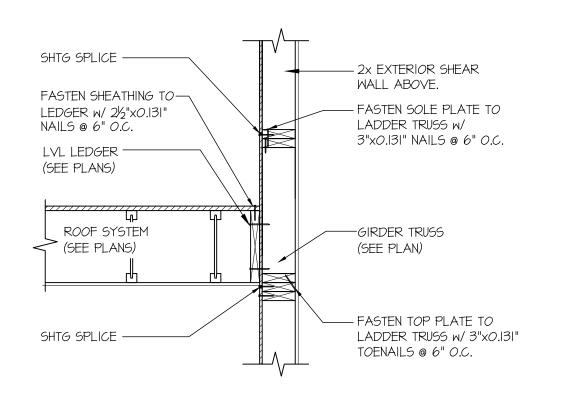


SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL SCALE: 3/4"=1'-0"









TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR WALL ABOVE LADDER TRUSS

SCALE: 3/4"=1'-0" SCALE: 3/4"=1'-0"

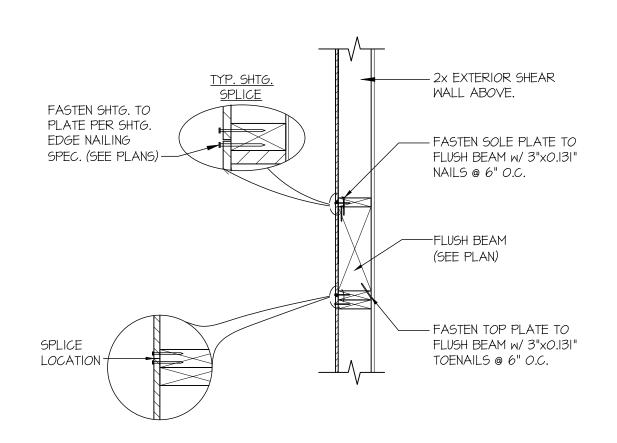
C

M&K project number: 244-22008 RJZ drawn by: 09-13-22

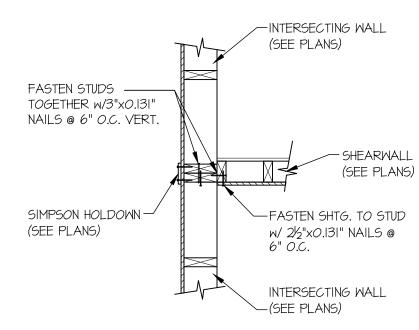
REVISIONS: initial:

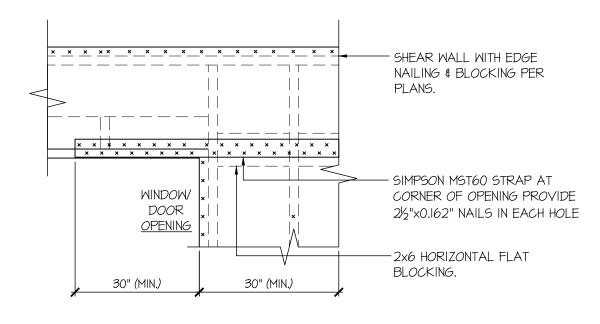
ARCI

SE SE

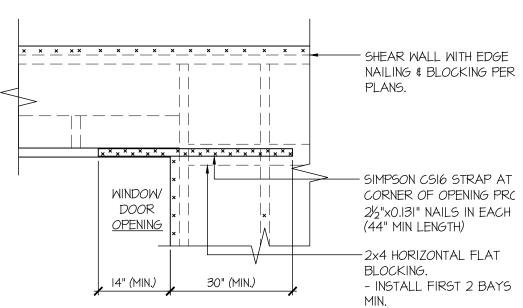


TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR WALL ABOVE FLUSH WIND BEAM SCALE: 3/4"=1'-0"





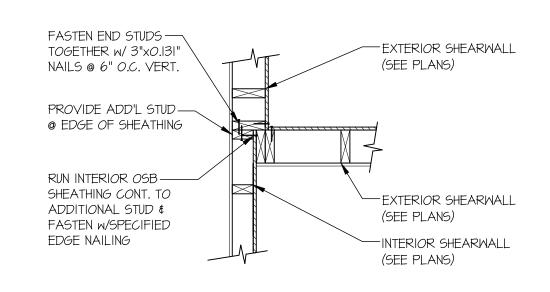
 ONLY REQUIRED WHERE SPECIFIED ON STRUCTURAL PLANS



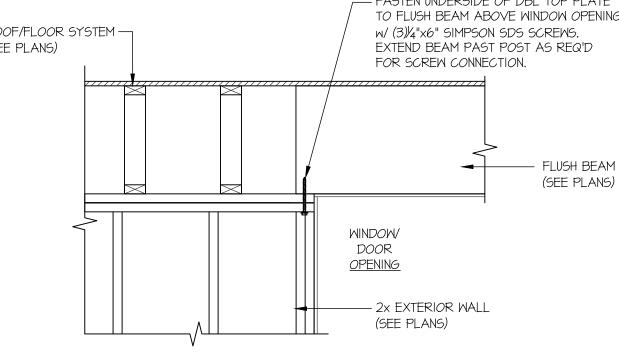
• DETAIL SIMILAR AT BOTTOM CORNERS OF WINDOWS. ONLY REQUIRED WHERE SPECIFIED ON STRUCTURAL

 IF MIN LENGTH IS NOT PROVIDED RUN STRAP TO END OF WALL

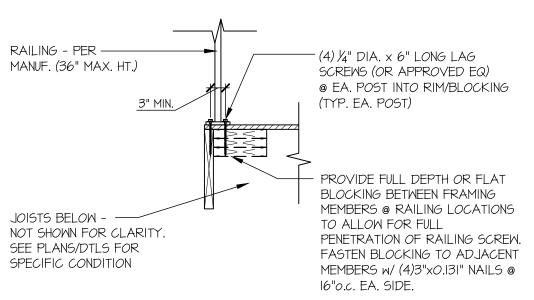
EXT. WALL & INT. SHEARWALL















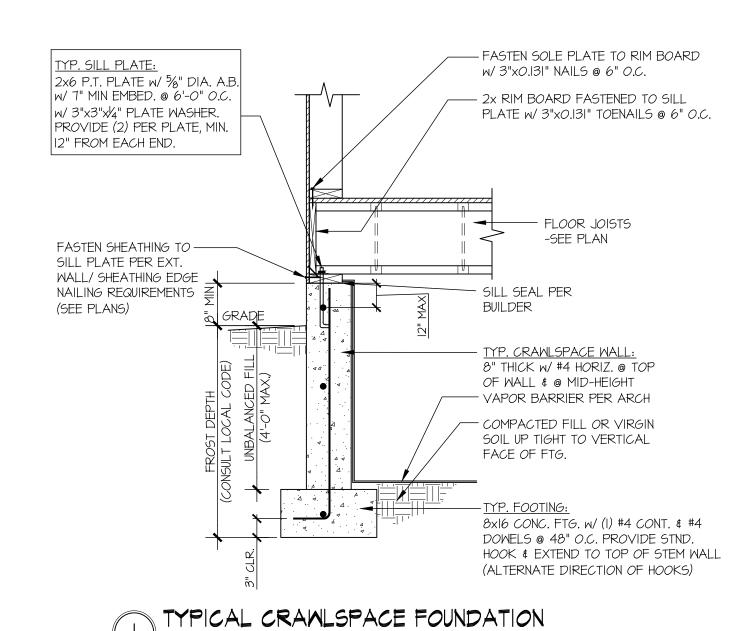
O 5

HERN.

09-13-22 **REVISIONS:** initial:

OUGF ARCHITE

SHEAR TRANSFER DETAIL @ EXT. WALL & INT. SHEARWALL 94 OPENING ELEVATION SCALE: NTS 90 INTERSECTION
SCALE: 3/4"=1'-0" 92 OPENING ELEVATION SCALE: NTS - FASTEN UNDERSIDE OF DBL TOP PLATE TO FLUSH BEAM ABOVE WINDOW OPENING ROOF/FLOOR SYSTEM — (SEE PLANS) RAILING - PER -MANUF. (36" MAX. HT.)

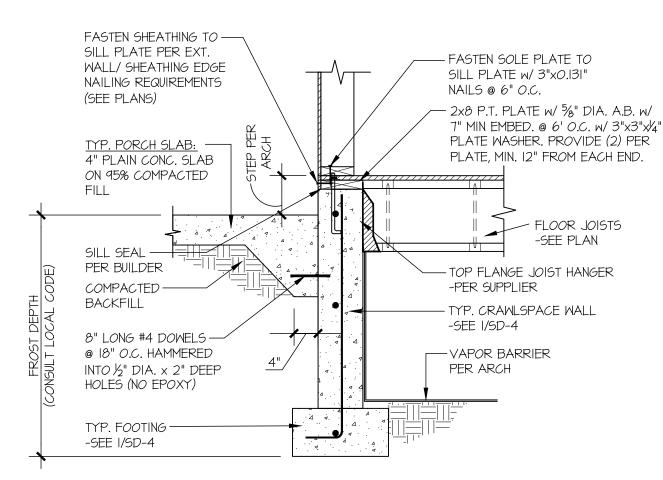


SCALE: 3/4"=1'-0"

HAUNCH GARAGE ---

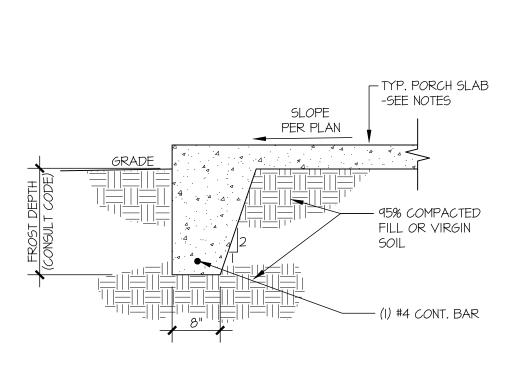
SLAB DOWN TO

FDN WALL



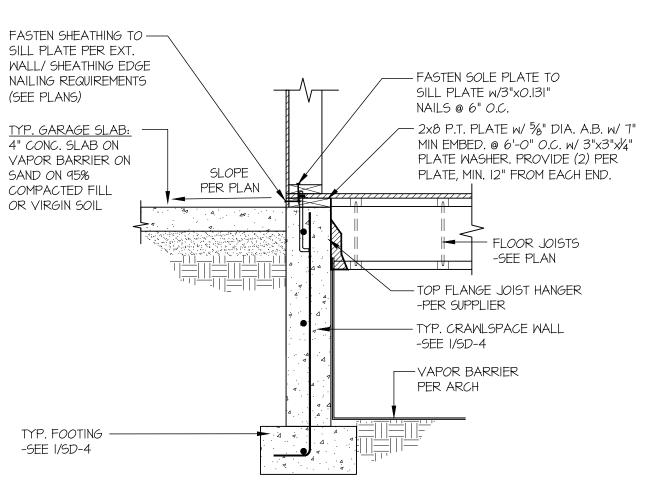
TYPICAL CRAWLSPACE FOUNDATION

@ PORCH SLAB

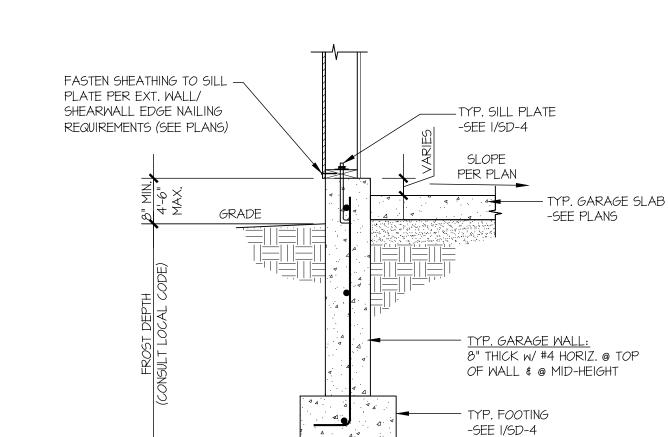


TYPICAL FOOTING @ PORCH SLAB

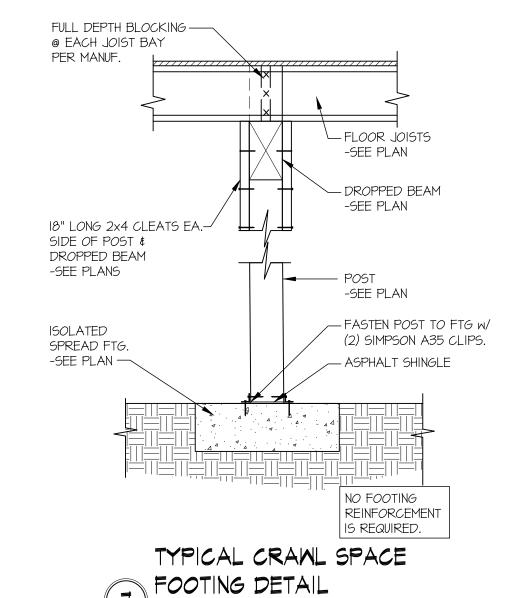
// SCALE: 3/4"=1'-0"

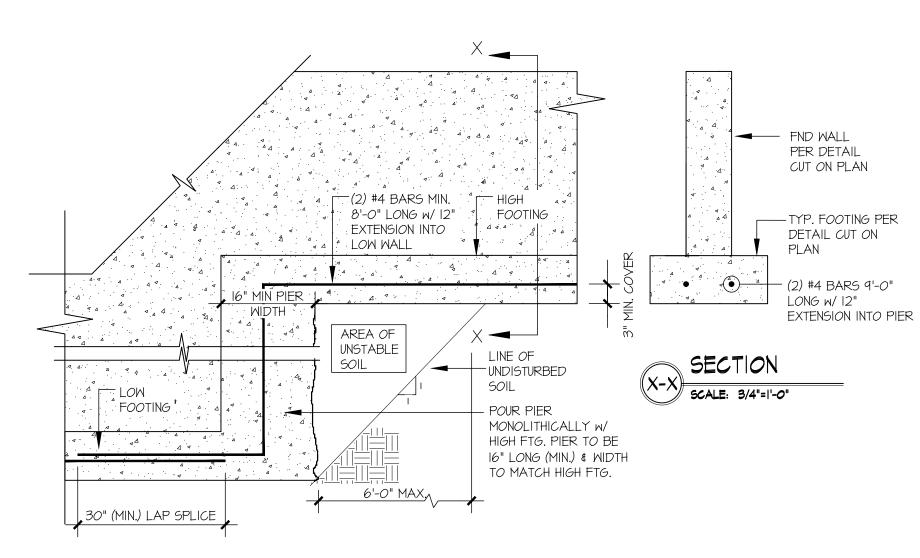






SCALE: 3/4"=1'-0"





TYPICAL CONCRETE FOOTING @ 5 SCALE: 3/4"=1"-0"

- TYP. GARAGE SLAB

-SEE PLAN

- 8" CONC. FDN. WALL W/

SIMPSON STHD HD @ FOUNDATION

& @ MID-HEIGHT

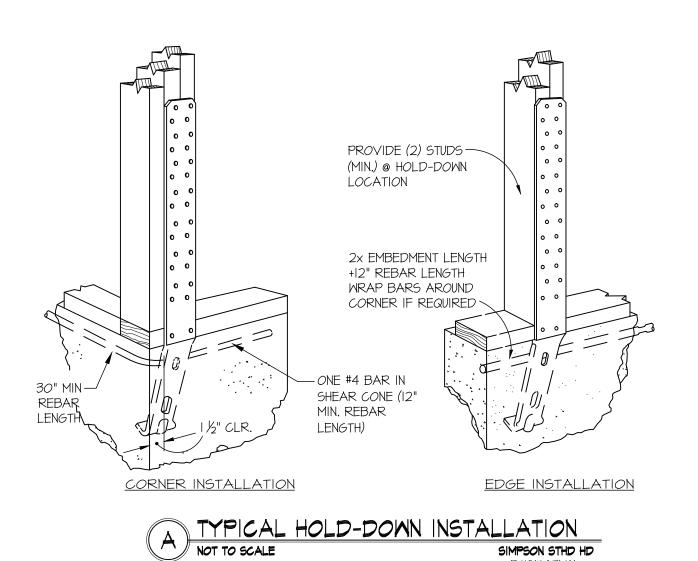
TYP. FOOTING

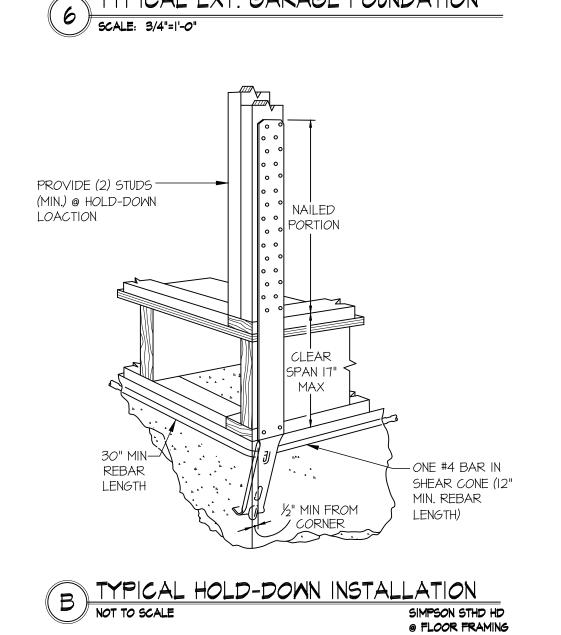
-SEE I/SD-4

#4 HORIZ. @ TOP OF WALL

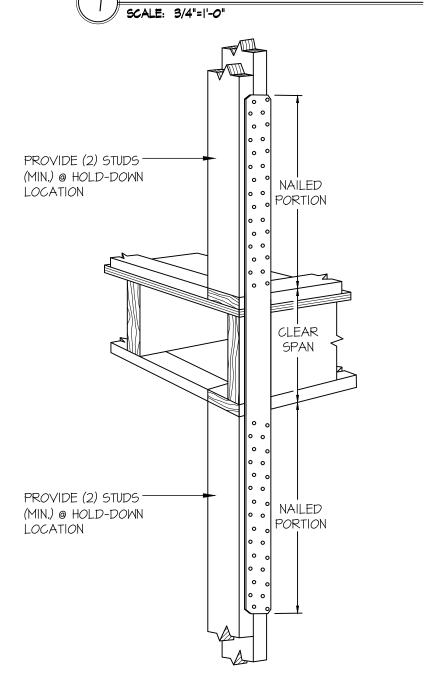
SLOPE

PER PLAN





TYPICAL EXT. GARAGE FOUNDATION



TYPICAL HOLD-DOWN INSTALLATION

NOT TO SCALE

SIMPSON STRAP HD

SIMPSON STRAP HD @ FLOOR FRAMING

OUNDATION DETAILS

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M&K project number:

drawn by:

REVISIONS:

244-22008

09-13-22

ARCHIT

RJZ

initial: