

G SIDES & REAR ELEVATION

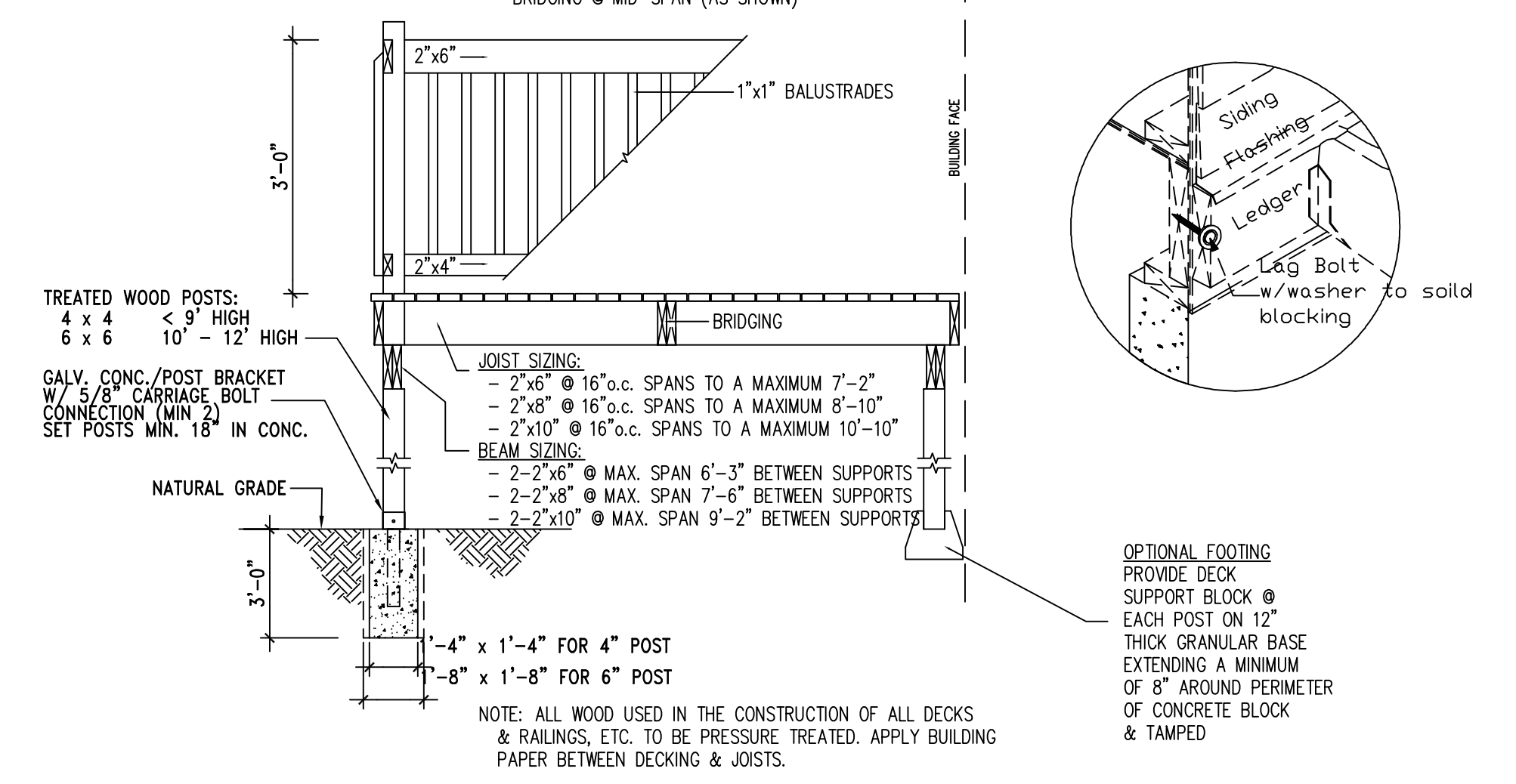
1/8" = 1'-0"

NOTE:

- WHERE ADJACENT GRADE IS 2'-0" OR LESS A GUARD IS NOT REQUIRED.
- DECK DESIGN LOAD IS BASED ON 100 lb./sq. ft. AS PER NATIONAL BUILDING CODE.
- WHERE JOIST SPAN EXCEEDS 7'-0", PROVIDE BRIDGING @ MID-SPAN (AS SHOWN)

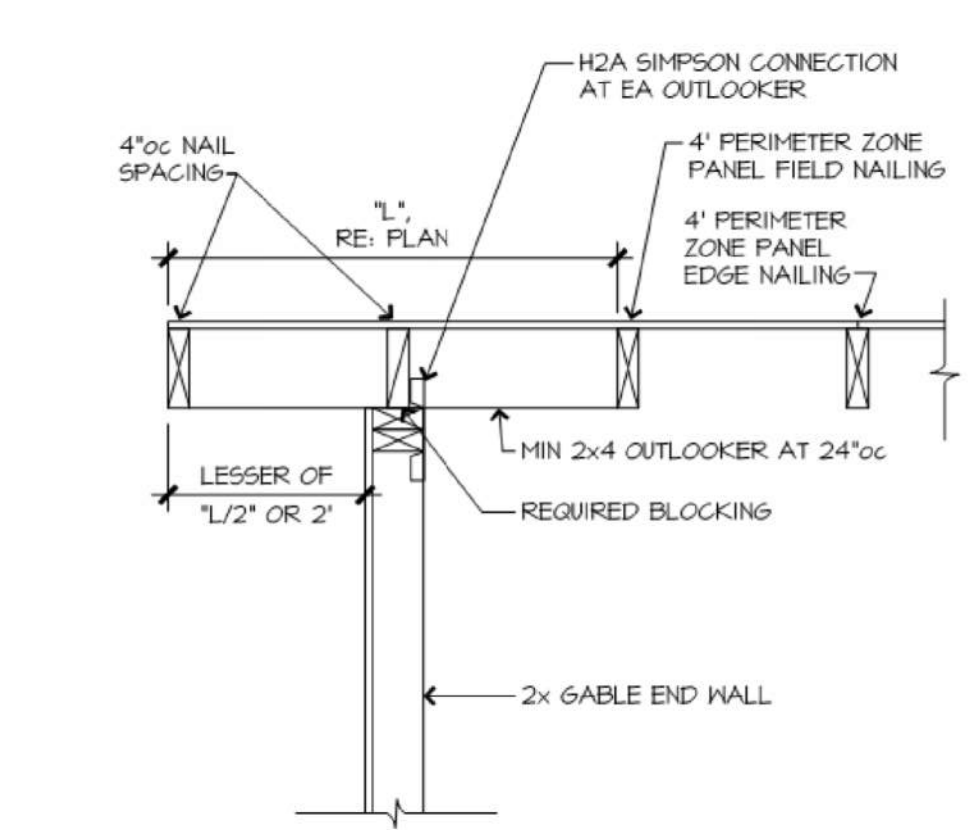
DECK LEDGER ATTACHMENT

- (2) LAGS REQUIRED AT EA. END 2" FROM ENDS
- PROVIDE 1 x 4 TREATED SPACED BEHIND EA. LAG
- PROVIDE LAGS IN EA. JOIST SPACE W/ (2) EVERY OTHER SPACE, 2" FROM EDGES
- MIN. SIZE LAG IS 1/2" DIAM x 6" LENGTH
- PROVIDE FLASHING BETWEEN RIM JOIST & LEDGER



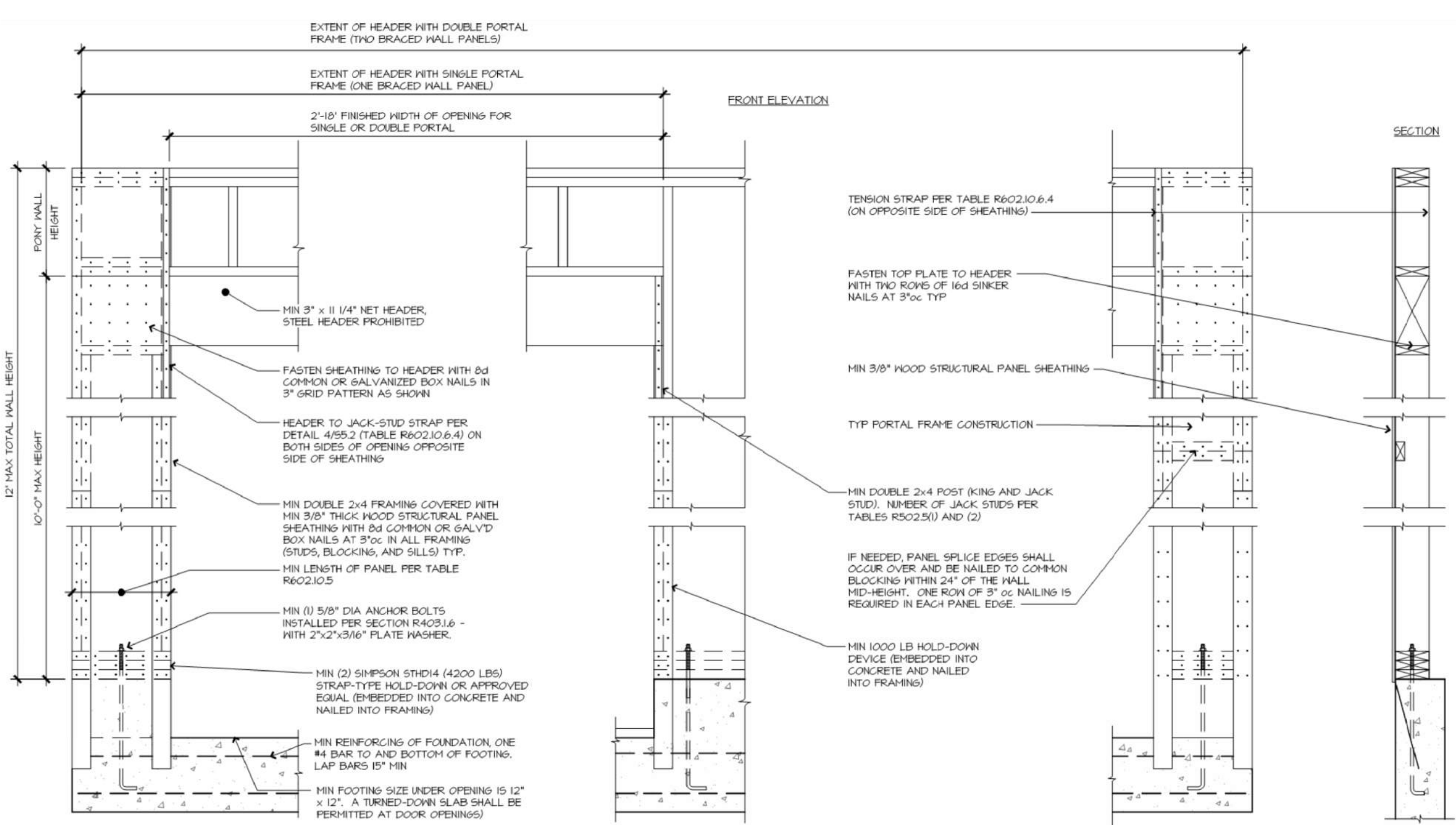
D TYPICAL RAISED WOOD DECK FRAMING

N.T.S.



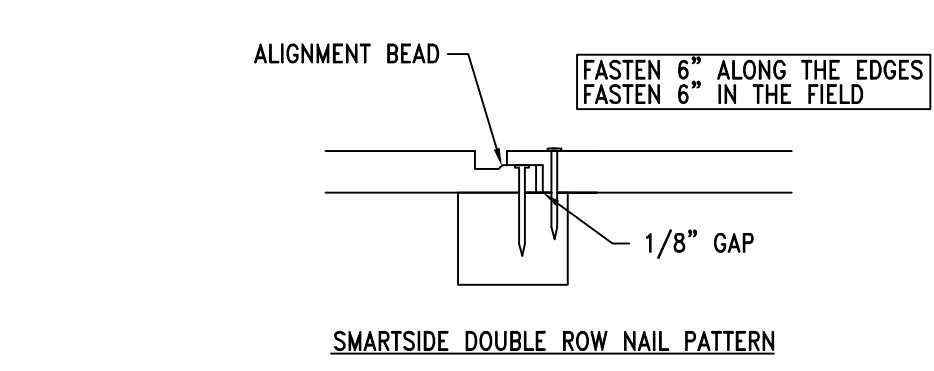
E GABLE END FRAMING REQUIREMENTS

N.T.S.



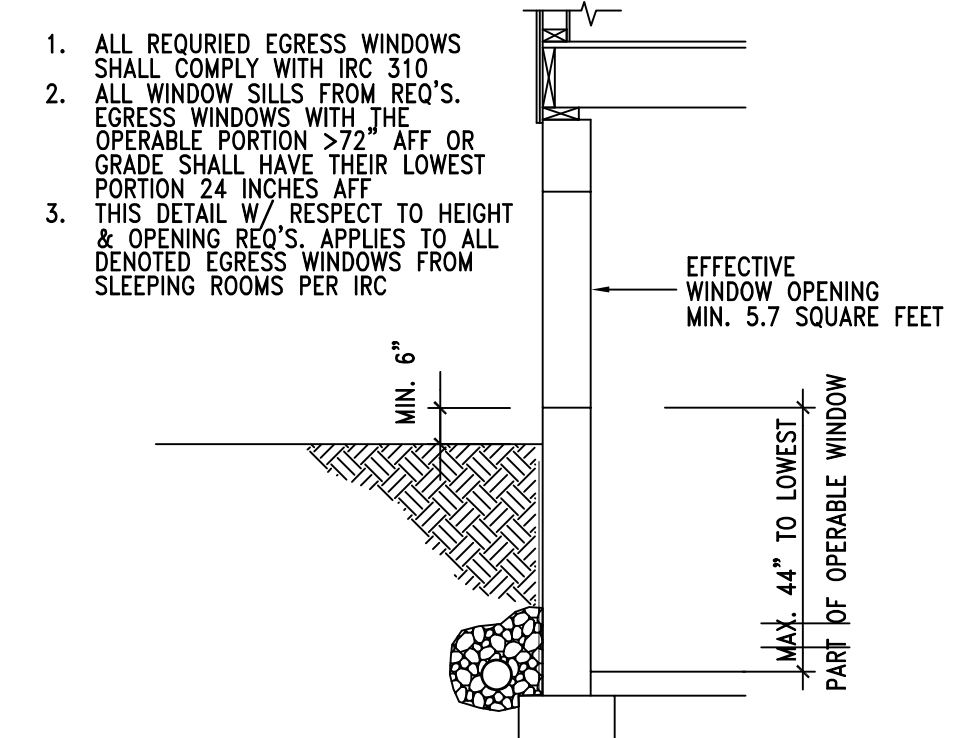
F PORTAL FRAME W/ HOLD-DOWN (PFH)

PER 2012 IRC R602.10



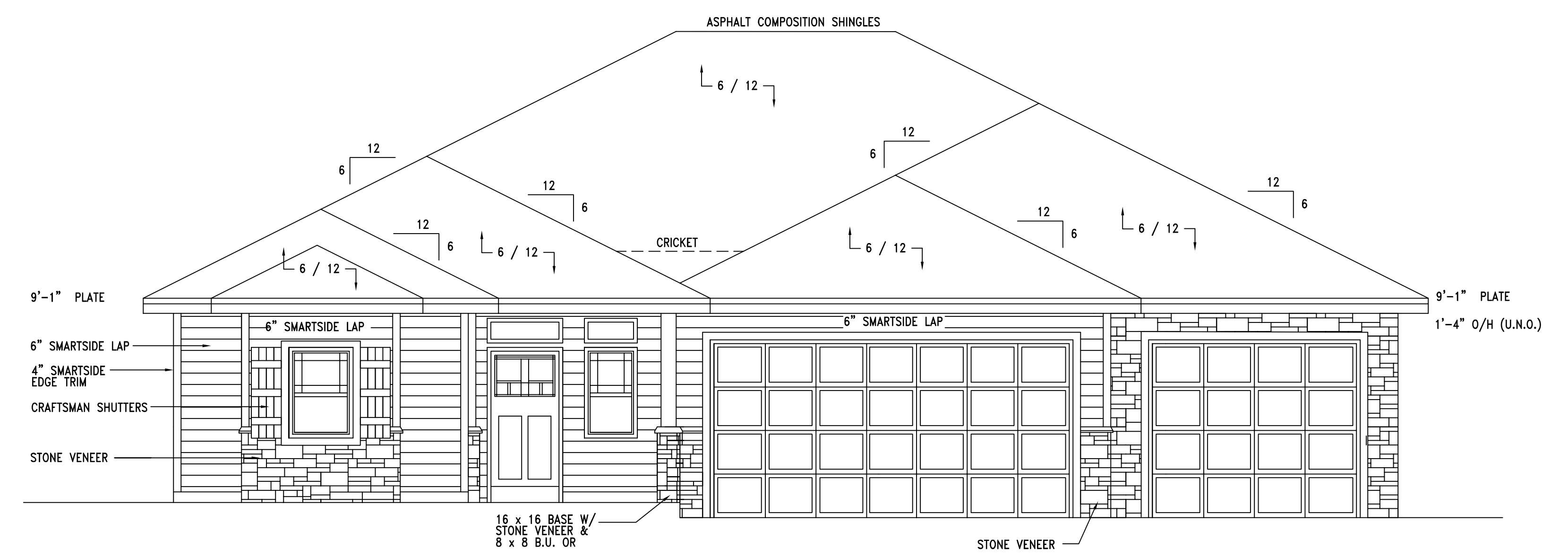
C SMARTSIDE PANEL NAILING PATTERN

N.T.S.



B EGRESS WINDOW CRITERIA

N.T.S.



A FRONT ELEVATION

1/4" = 1'-0"

SQUARE FOOTAGE CALCULATIONS

MAIN LEVEL	= 1,590 GSF
LOWER LEVEL	= 1,090 GSF (FIN.)
3-CAR GARAGE	= 650 GSF
COVERED ENTRY	= 60 GSF
RAISED DECK	= 115 GSF

EAGLE 1 CONSTRUCTION
 GRAIN VALLEY, MISSOURI
TONY JUNIOR

DATE:	12-16-2020
E/C PROJECT #:	
CLIENT:	
SUBDIVISION:	
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A1

GENERAL NOTES AND REQUIREMENTS

- DOORS AND WINDOWS:**
- ALL GLAZING WITHIN 12" OF THE FINISHED FLOOR, ADJACENT TO DOORS <24" AND WITHIN DOORS, ABOVE BATHROOMS TO BE SAFETY TYPE GLASS AND LABELED SUCH AS IN COMPLIANCE W/ SECTION 508 OF THE IRC.
 - SHOWER DOORS SHALL HAVE SAFETY GLAZING. HINGED SHOWER DOORS SHALL SWING OUTWARD.
- GARAGES:**
- GARAGE SEPARATION WALL TO BE 1-HR CONST. W/ MIN. 5/8" TYPE X GWB, EXTEND TO BOT. OF ROOF. DOOR TO BE 20-MIN RATED, 1-3/8" S.C. & EQUIPPED W/ CLOSER & LATCH
 - 15 & 20-AMP RECEPTACLES SHALL HAVE GFCI PROTECTION
 - TYPE-X 5/8" GB REQUIRED ON GARAGE CEILING BELOW LIVING AREAS
- LIGHT AND VENTILATION:**
- PROVIDE STAIRWAY ILLUMINATION PER R303.7.9
 - GABLE VENT & MUSHROOM VENTS TO PROVIDE A MIN. OF 10 S.F. NET-FREE OF ATTIC VENTILATION
 - FURNACES ENCLOSED IN A ROOM LESS THAN 100 S.F. SHALL BE PROVIDED W/ A MEANS OF COMBUSTION MAKE-UP AIR AS DETERMINED/CALCULATED AND PRESCRIBED BY MECH. CONTRACTOR
 - VENTILATE KITCHENS AND LAUNDRY ROOMS PER R303.3
 - PROVIDE MIN. 16" x 10" SOFFIT VENTS ALONG EAVE SPACED EVENLY W/ NO MORE THAN 8'-0" O.C.
- GYPSON BOARD:**
- G.B. APPLIED TO CEILING SHALL BE 1/2" WHEN FRAMING MEMBERS ARE 16" O.C. OR 5/8" WHEN MEMBERS ARE 24" O.C. OR USE 1/2" SAG-RESISTANT GYP. CEILING BOARD
- MECHANICAL SYSTEMS**
- FURNACE & WATER HEATER SHALL BE ON 18" PLATFORMS IF PLACED IN A GARAGE OR ROOM W/ DIRECT ACCESS TO A GARAGE
 - PROVIDE MIN. 2X4 ATTIC FOR WEATHERIZED GAS HEATING EQUIP. 80% FOR NON-WEATHERIZED
 - PROVIDE MIN. 13 SEER FOR AIR CONDITIONING EQUIPMENT
 - SUPPLY AND RETURN DUCTS SHALL BE INSULATED TO MIN. R-8
- ELECTRICAL SYSTEMS**
- PROVIDE UFER GROUND ENCASED IN CONCRETE FOOTING
 - ALL ELECTRICAL CONDUCTORS SHALL BE COPPER
 - RECEPT. IN THE FOLLOWING LOCATIONS SHALL BE GFCI PROTECTED: BEDROOM, KITCHEN (W/IN 6 FEET OF SINK), GARAGE, SHED, EXTERIOR, UNFINISHED BASEMENT & HEATED FLOORS
 - ALL BRANCH CIRCUITS THAT SUPPLY 120-V, SINGLE PHASE, 15 & 20 AMP OUTLETS INSTALLED IN: FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, REC ROOMS, CLOSETS, HALLWAYS & SIM. ROOMS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT
 - ALL 15 & 20-A RECEPT. SHALL BE LISTED TAMPER-RESISTANT. EXCEPTION: RECEPTACLES IN THE FOLLOWING LOCATIONS SHALL NOT BE REQUIRED TAMPER-RESISTANT:
 - RECEPTACLES LOCATED MORE THAN 5.5 FEET AFF
 - WHERE SUCH RECEPTACLES ARE LOCATED IN SPACES DEDICATED FOR THE APPLIANCE SERVED & UNDER CONDITIONS OF NORMAL USE, THE APPLIANCES ARE NOT EASILY MOVED. APPLIANCES TO BE CORD-N-PLUG CONNECTED TO RECEPT.
- EXTERIOR WALL FRAMING**
- BOTTOM SILL PLATES SHALL BE PRESSURE TREATED OR EQUAL
 - SILL PLATES SHALL BEAR/EXTEND MIN. 6-INCHES ABOVE GRADE
 - ALL EXT. STUD TO BE SECURED TO THEIR DOUBLE TOP PLATES W/ (2) 16-D NAILS (MIN)
 - ALL EXTERIOR CORNERS TO BE BRACED WITH 7/16" OSB NAILING SCHEDULE SHALL BE 8d COMMON @ 6" O.C. ALONG EDGES & 8d COMMONS @ 12" O.C. @ INTERMEDIATE STUDS
- ROOF FRAMING**
- ALL ROOF EAVES/OVERHANGS TO BE 16" - U.N.O.
 - ALL JOISTS & RAFTERS TO BE ALIGNED OVER STUDS
 - ROOF SHEATHING SHALL BE 7/16" OSB LAID W/ LONG DIMENSION PERPENDICULAR TO EAVE LINE & STAGGERED 48" O.C. W/ GALV. SPACER CLIPS ALONG ALL EDGES - SECURE SHEATHING W/ 8d COMMON NAILS TO RAFTERS AT 6" O.C. ALL EDGES
- UNFINISHED BASEMENT REQUIREMENTS**
- FIRE PROTECTION OF FLOORS: FLOOR ASSEMBLIES CONSTRUCTED W/ JOISTS LESS THAN 2x10 DIMENSIONAL LUMBER
 - I-JOISTS OR OPEN WEB JOISTS OVER UNFINISHED BASEMENTS SHALL BE PROVIDED WITH 1/2" INCH GWB, 5/8" INCH WOOD
 - UNFINISHED BASEMENTS SHALL BE MIN. R-13 INSULATED WALLS OR INSULATED O/H FLOOR/CEILING (MIN R-19)
 - ALL EXPOSED HVAC DUCTING IN UNFINISHED BASEMENTS SHALL BE MIN R-8 INSULATED OR ENCLOSED INSIDE A FLOOR/CEILING
 - UNFINISHED BASEMENTS SHALL HAVE NO CONDITIONED AIR OUTLETS
- WOOD FRAMING, FLOORS AND ROOF NOTES**
- EXT. WALL FRAMING TO BE 2 x 4 (SYP OR DFL STUD GRADE 2 OR BETTER) @ 16" O.C.
 - ROOF SHEATHING TO BE 7/16" OSB NAIL W/ 8d @ 6" O.C. PANEL INDEX 24/0; PROVIDE CLIPS AT UNSUPPORTED PANEL EDGES
 - SHEATH EXT. WALLS W/ 7/16" OSB NAIL W/ 8d @ 6" O.C.
 - HEADERS: PROVIDE (2) 2 x 8 (SYP OR DFL #2 OR BETTER) U.N.O.; CONSTRUCT HEADERS W/ 2 x 8 & 7/16" OSB BETWEEN W/ (2) ROWS OF 16d @ 16" O.C.
 - BLOCKING MIN. 1.5 INCHES UTILITY GRADE LUMBER-JOISTS TO BE SUPPORTED AT ENDS FULL DEPTH SOLID BLOCKING NOT < 2-INCHES
 - UJI F.J., C.J. & RAFTERS TO BE SYP OR DFL GRADE #2 OR BETTER
 - EXT. WALL STUDS & LOAD BEARING WALLS TO BE CONTINUOUS FROM FLOOR TO ROOF/CEILING DIAPHRAGM PER IRC 602.3
 - STUDS, RAFTERS, JOISTS, MISC. LUMBER MIN. GRADE #2 D.F. OR S.Y.P.
- STEEL COLUMNS & OTHER BASEMENT/FOUNDATION NOTES**
- ALL STEEL PIPE COLUMNS TO BE 3" (OR 3-1/2") SCHEDULE 40 GRADE
 - INTER. BEARING WALLS & COLUMNS SHALL BE ISOLATED FROM THE BASEMENT FLOOR SLAB
 - INTER. NON-BEARING WALLS, OTHER THAN THOSE RESTING DIRECTLY ON THE FOOTING, SHALL BE ISOLATED FROM THE FLOOR FRAMING ABOVE.
 - AT WALKOUT FOUNDATION AREAS, REINFORCE THE SLAB FROM THE FOUNDATION WALL TO 2 FEET BEYOND THE OVERDIG AREA WITH #4 BARS AT 24 INCHES O.C. PERPENDICULAR AND HORIZONTAL TO THE WALL; MAXIMUM 4-FOOT OVERDIG.
 - AT WALKOUTS THE FOUNDATION WALL SHALL BE INSULATED W/ A MINIMUM R-6 INSULATION FOR A MIN. OF 3 FEET BELOW THE BOTTOM OF THE SLAB.
 - WHERE FLOOR JOISTS ARE PARALLEL TO THE FOUNDATION WALL, THE WALL SHALL BE SUPPORTED LATERALLY AT THE TOP BY SOLID BLOCKING FOR A MINIMUM OF TWO JOIST SPACES, SPACED NOT MORE THAN 4 FEET O.C.
- PHYSICAL SECURITY ORDINANCE**
- OWNER/BUILDER IS RESPONSIBLE FOR COMPLIANCE OF PHYSICAL SECURITY ORDINANCE FOR THEIR LOCAL JURISDICTION

EROSION CONTROL

- EROSION CONTROL MEASURES SHALL BE IN PLACE & IN GOOD WORKING ORDER AT ALL TIMES DURING INSPECTIONS. IN THE EVENT THAT THEY ARE NOT, THE INSPECTOR MAY CANCEL THE INSPECTION UNTIL SUCH TIME THE EROSION CONTROL MEASURES ARE IN PLACE. A FINE, RE-INSPECTION FEE & STOP-WORK ORDER MAY BE ISSUED IF EROSION CONTROL IS NOT ADDRESSED. MINIMUMS INCLUDE:
 - SILT FENCE OR STRAW WATTLE AROUND ALL DISTURBED SOIL. SHALL BE IN PLACE BEFORE ANY EXCAVATION BEGINS
 - TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, THIS ENTRANCE SHOULD BE THE ONLY ENTRANCE & EXIT USED FOR VEHICLES INTO & OUT OF THE SITE
 - STREETS SHALL BE MAINTAINED FREE OF ALL SOIL & GRAVEL IN A BROOM CLEAN CONDITION AT ALL TIMES

FOOTING/FOUNDATION & CONCRETE NOTES

- TO ADDRESS DIFFERENTIAL SETTLEMENT, ALL INTERIOR BEARING AND EXTERIOR FOOTINGS & PADS TO BE EXCAVATED & PLACED MIN. 18 INCHES INTO UNDISTURBED NATURAL SOIL.
- EXT. FOOTING TO BE PLACED MIN. 36-INCHES BELOW FIN. GRADE. DESIGN IS BASED ON MIN. OF 2,500 PSI, CONCRETE STRENGTHS TO ACHIEVE THE FOLLOWING BASED UPON:
 - A. 3,000 PSI FOR FOOTINGS, FOUND. WALLS & VERT. SUPPORTS
 - B. 3,500 PSI FOR GARAGE FLOOR
- CONC. EXPOSED TO WEATHER TO HAVE 6x(+/-1%) AIR ENTRAINMENT
- PROVIDE 4" (MIN) CONC. SLAB REINF. W/ #4 @ 12" O.C. E.W.; TOP REINF. OVER PEDESTALS AS INDICATED (#4 x 7 FT @ 8" O.C. E.W.; PLACE OVER 6 MIL VAPOR BARRIER)
- REINFORCE EXTERIOR FOOTINGS W/ #4 @ 24" E.W.; REINFORCE W/ (2) #4 CONT. AT BOTTOM
- PROVIDE #4 x 48"(L) @ 45-DEGREES @ RE-ENTRANCE CORNERS
- 1/2"x10"(L) ASTM A307 ANCHOR BOLTS @ 48" O.C. @ EXT. WALLS
- ANCHOR PRESSURE TREATED PLATE @ INT. BEARING WALLS W/ 1/2" x 4-1/2" HILTI WEDGE BOLTS @ 72" O.C. MAX. 12' FROM ENDS
- PROVIDE 24" LAPS MIN. INCLUDING CORNERS
- INSTALL HOLDDOWN BOLT ANCHORAGE AS INDICATED ON PLAN
- PROVIDE BITUMINOUS DAMP-PROOFING AT FOUNDATION WALLS
- SOIL BEARING CAPACITY IS NOT ASSUMED TO BE GREATER THAN 2,000 PSF IN THE CURRENT FOUNDATION DESIGN
- ALL COMPACTED FILL AREAS REQUIRE A SPECIAL INSPECTION

BRACED WALL LINE SCHEDULE			
WALL LINE	REQ'D LENGTH	PROVIDED LENGTH	END CONDITION
M A I N F L O O R			
A	8.40'	12.85'	3-3
B	8.11'	13.25'	2-2
1	7.21'	12.00'	3-3
2	7.21'	12.00'	3-3
L O W E R F L O O R			
A	9.03'	14.00'	3-3

- CS-WSP PANELS: DISTANCE FROM END OF BRACED WALL LINE TO FIRST BRACED WALL PANEL CANNOT EXCEED A COMBINED TOTAL OF 10' PER R602.10.2.2
- WOOD STRUCTURAL PANELS: MIN. 48" AND COVER 3 STUDS FOR FRAMING AT 16" O.C. OR 2 STUDS FOR 24" O.C.
- CS-WSP PANELS: MIN. 2" PANELS AT BOTH CORNERS WITHOUT USING HOLD DOWNS PER R602.10.4.4 AND MAX. 12'-6" FROM CORNER
- CS-WSP PANELS: MIN PANELS LENGTH ADJACENT TO AN OPENING FOR 9' PLATE = 27" PER R602.10.4.2

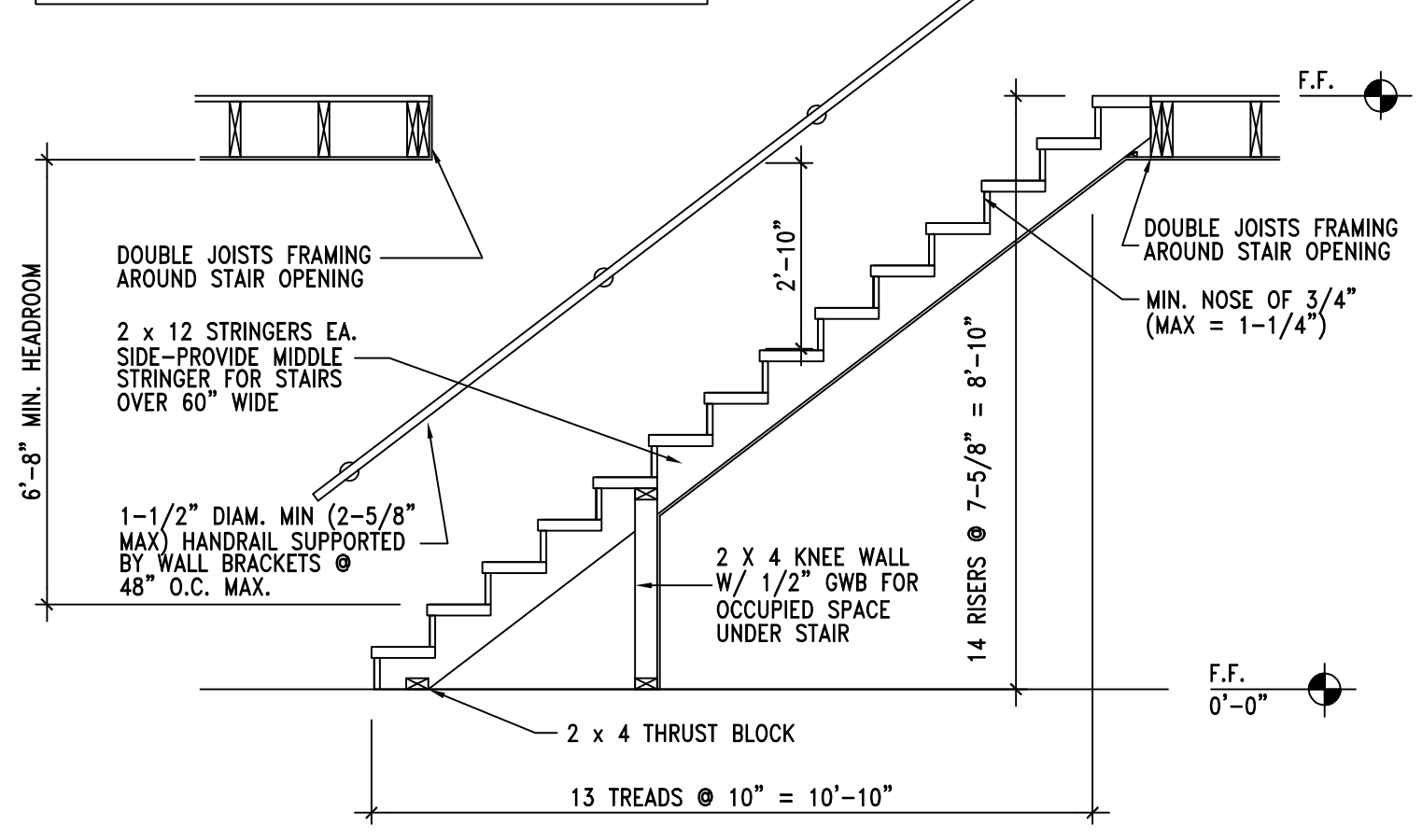
2012 INTERNATIONAL ENERGY CONSERVATION CODE (TABLE R402.1.1)

DOORS & WINDOWS: U-0.35 MAX (HEAT GAIN MAX 0.25)
 SKYLIGHTS: U-0.55 MAX
 ATTIC CEILINGS: R-49 MIN.
 WOOD FRAME WALLS: 20 OR 13 + 5 MIN.
 FLOOR (OVER UNHEATED): R-19 MIN
 SLAB ON GRADE: R-10 FOR 24" IN
 FUEL FIRED FURNACE: 90% AFUE MIN.
 ELECTRIC FURNACE: NO MINIMUM
 COOLING SYSTEM: 13 SEER MIN.
 WATER HEATER:
 GAS FIRED STORAGE: 0.67 EF MIN
 GAS FIRED INSTANT: 0.62 EF MIN
 ELECTRIC STORAGE: 0.97 EF MIN
 ELECTRIC INSTANT: 0.93 EF MIN

INTERIOR DOOR SCHEDULE
 *ALL DOORS ARE 6'-8" HIGH

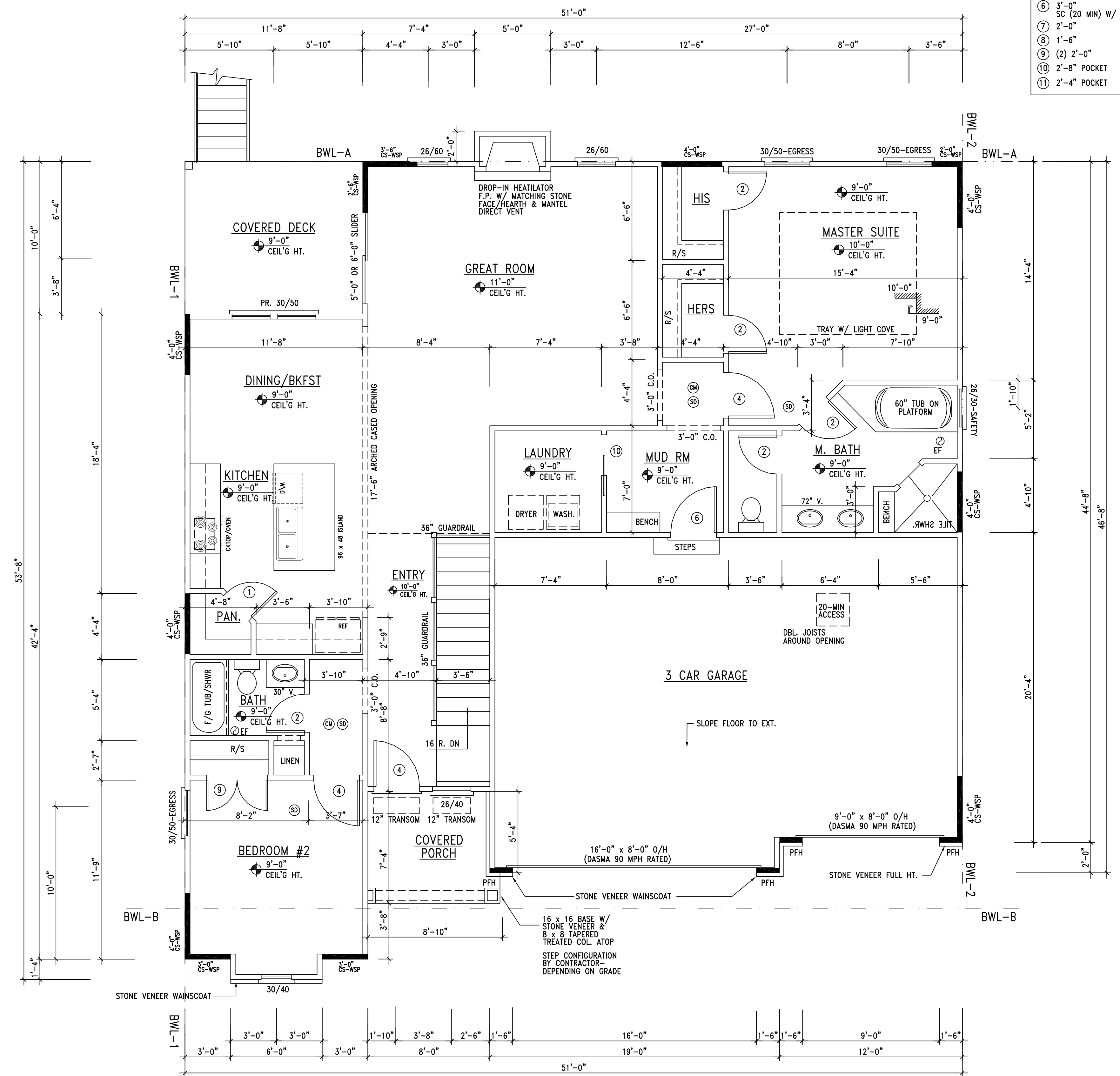
1	2'-4"
2	2'-6"
3	2'-8"
4	3'-0"
5	(2) 2'-6"
6	3'-0"
7	2'-0"
8	1'-6"
9	(2) 2'-0"
10	2'-8" POCKET
11	2'-4" POCKET

PER IRC: THE MAX. RISSE ALLOWED IS 7.75 INCHES AND THE MIN TREAD IS 10 INCHES MEASURED NOSE TO NOSE



B TYP. STAIR SECTION/REQUIREMENTS

N.T.S.



A MAIN LEVEL FLOOR PLAN

1/4" = 1'-0"

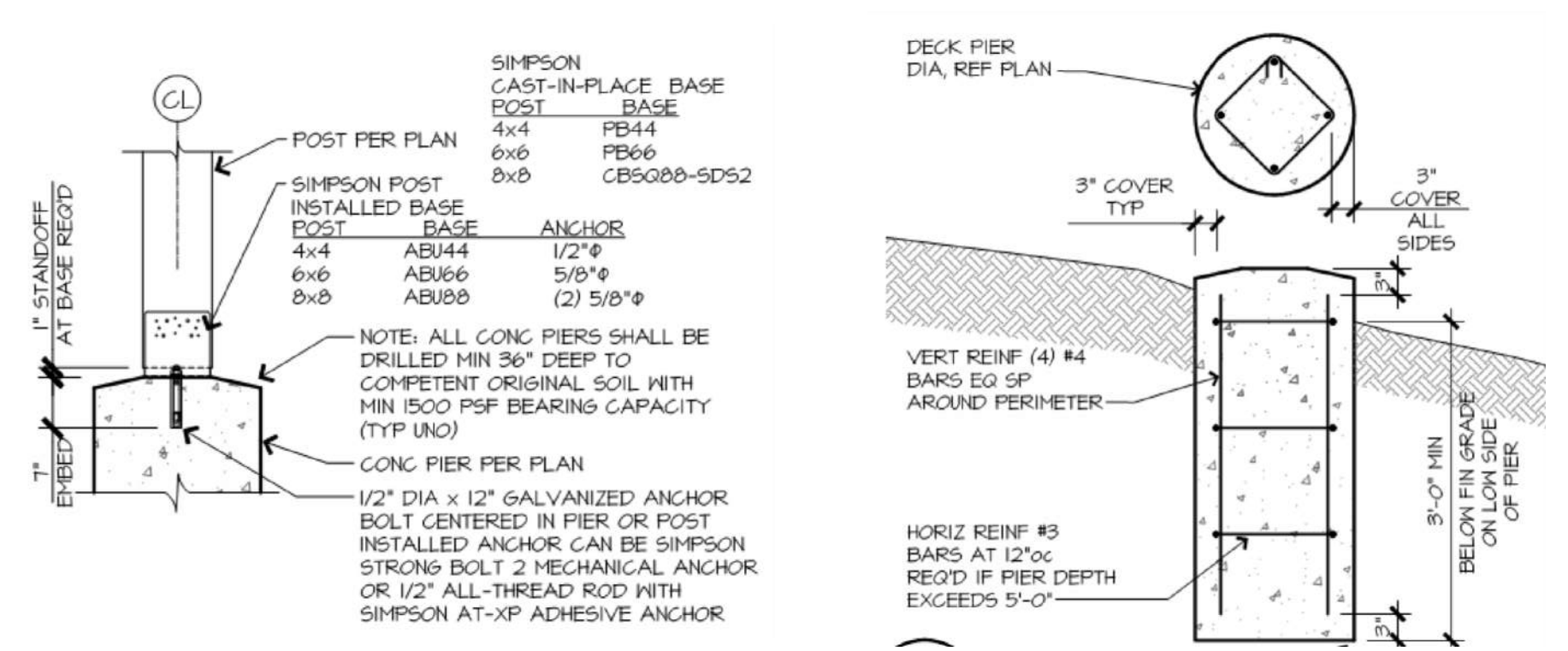


EAGLE 1 CONSTRUCTION
 GRAIN VALLEY, MISSOURI
TONY JUNIOR

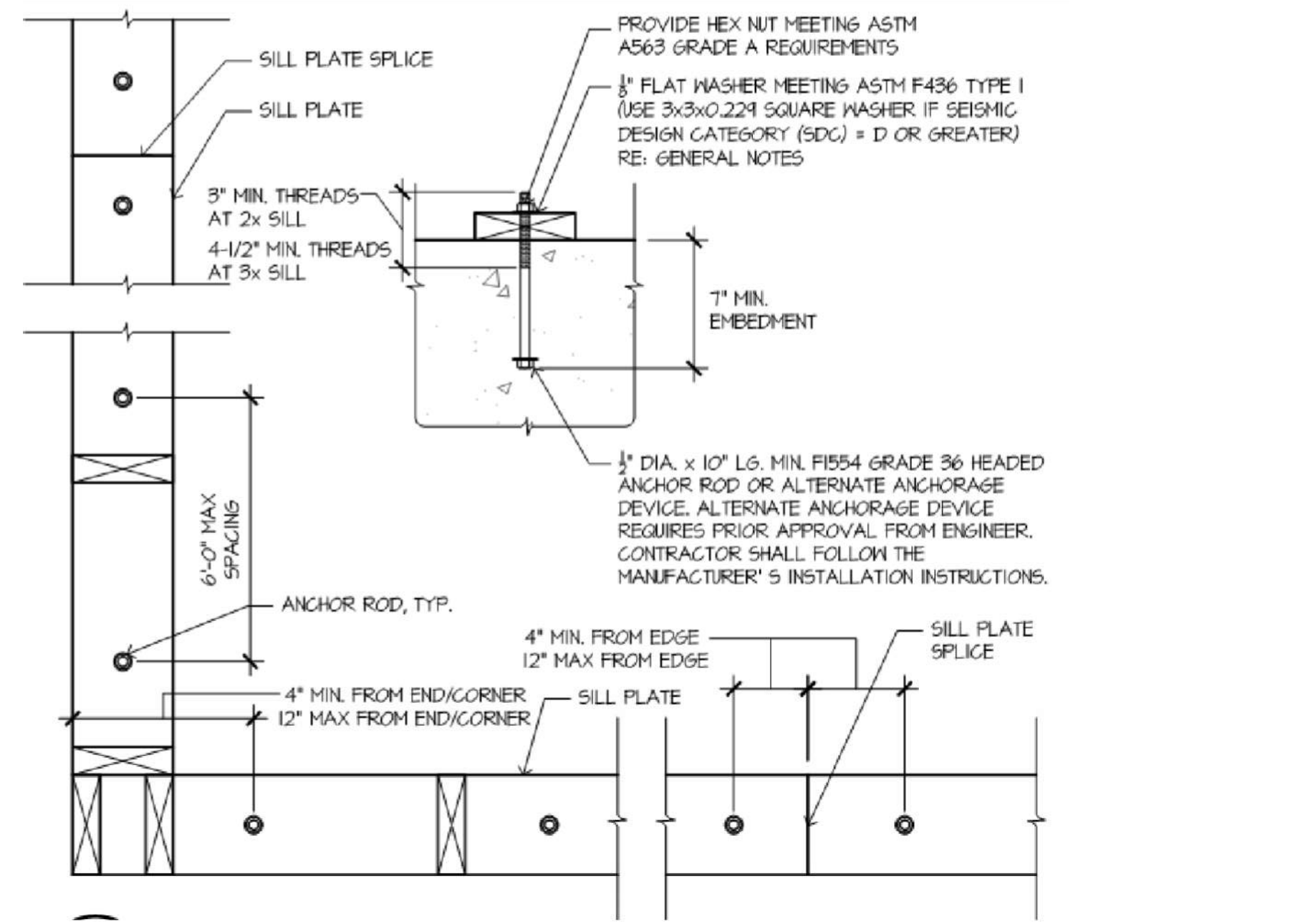
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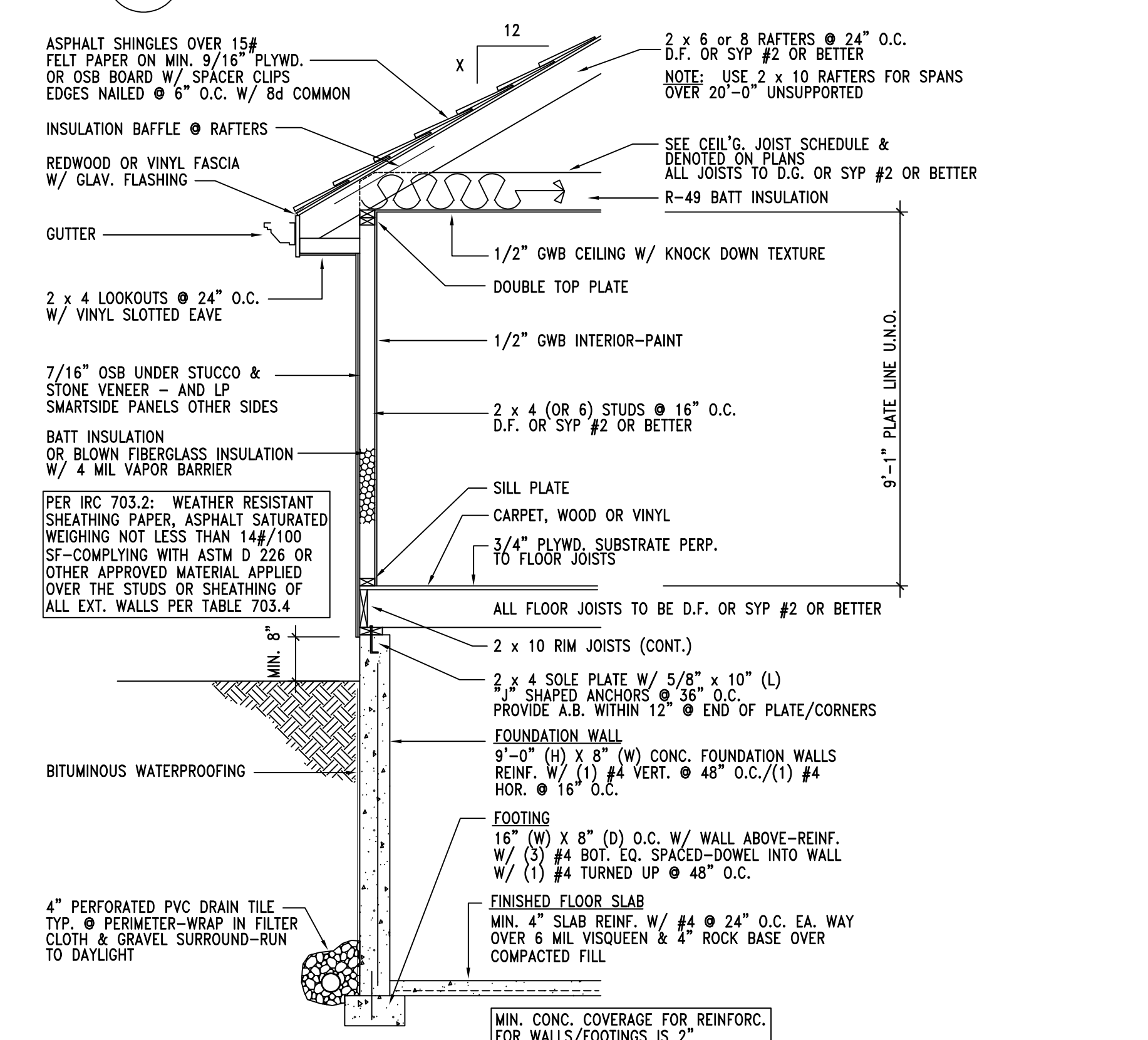
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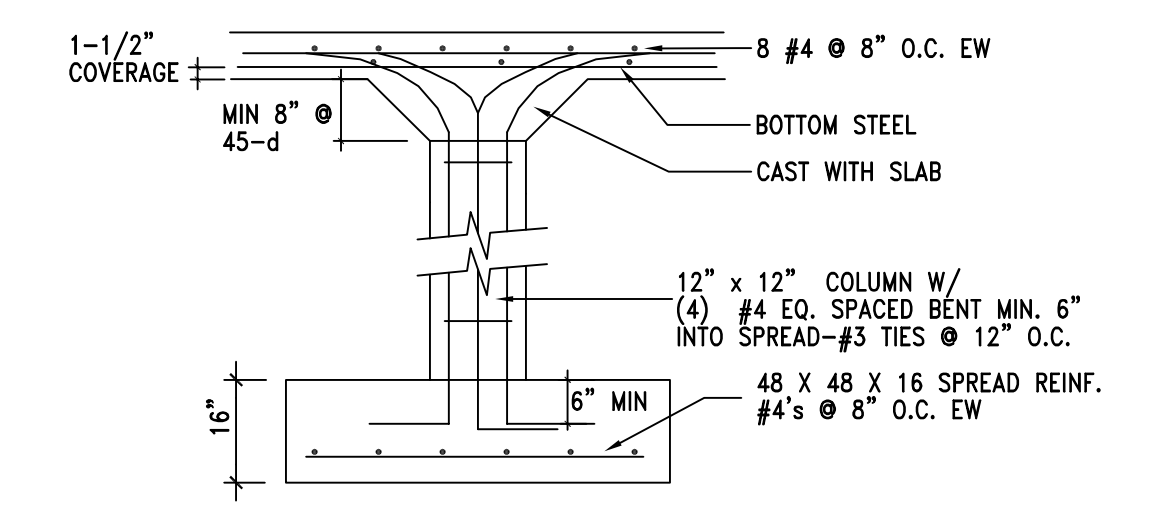
F TYP. DETAILS FOR POST/PIER



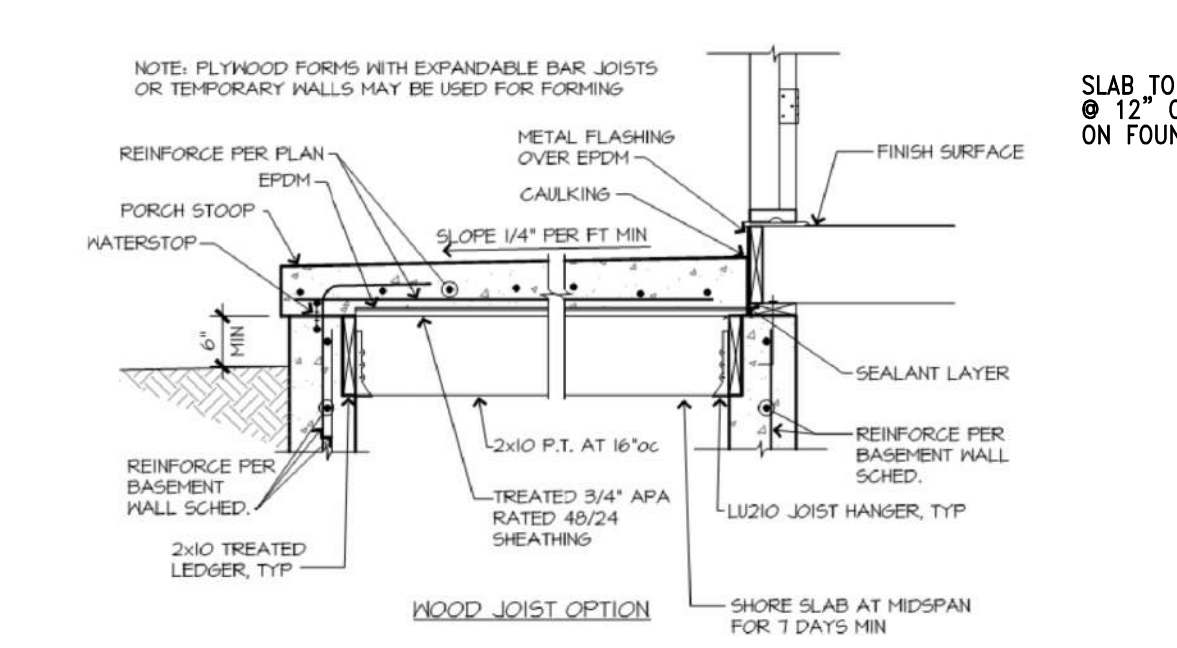
C SILL PLATE LAYOUT/DETAILS



B TYP. WALL FRAMING SECTION



E PEDESTAL FOOTING DETAIL

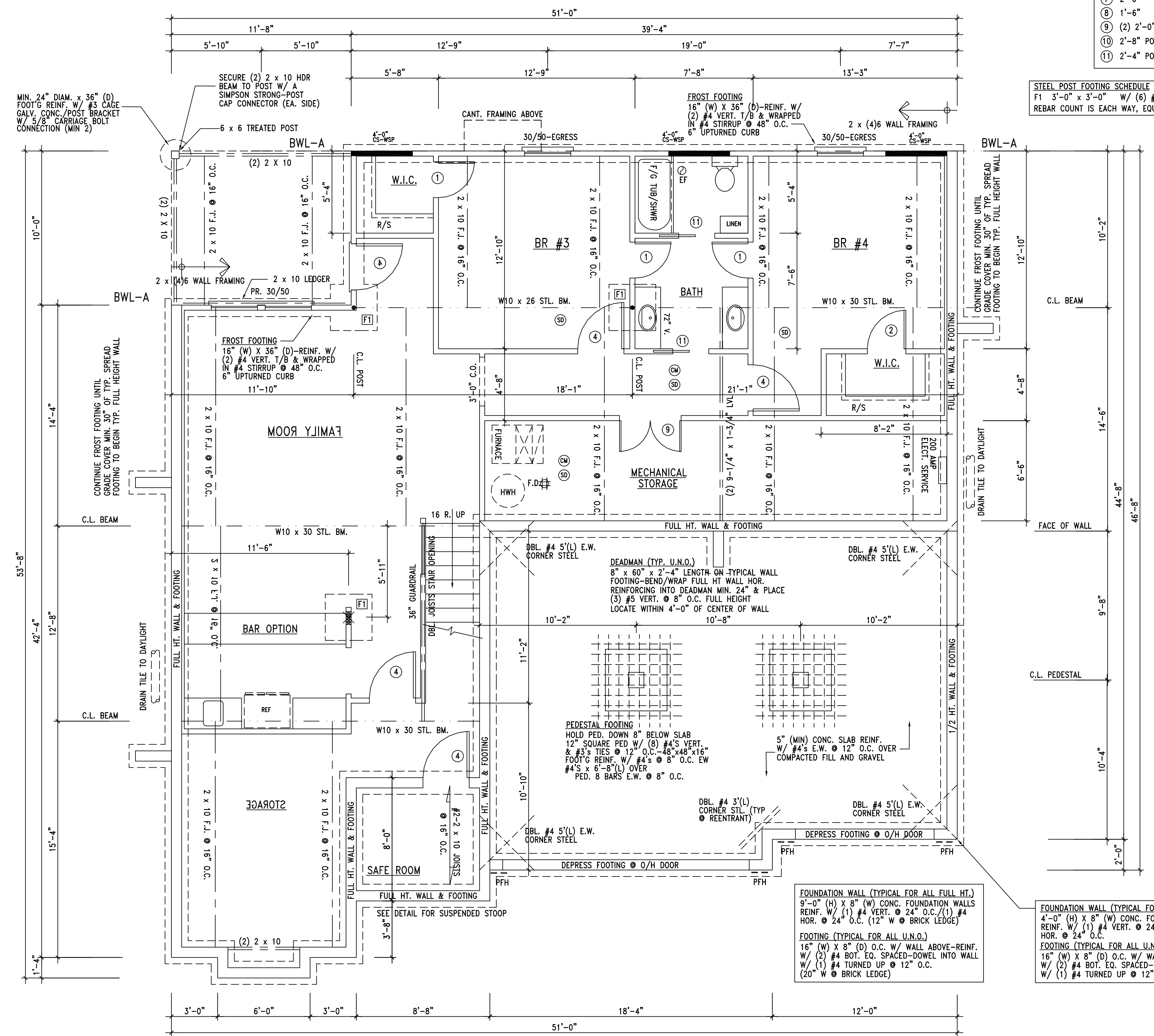


D SUSPENDED STOOP DETAIL

INTERIOR DOOR SCHEDULE
ALL DOORS ARE 6'-8" HIGH

- 1 2'-4"
- 2 2'-6"
- 3 2'-8"
- 4 3'-0"
- 5 (2) 2'-6"
- 6 3'-0"
- 7 SC (20 MIN) W/ CLOSER
- 8 2'-0"
- 9 1'-6"
- 10 (2) 2'-0"
- 11 2'-8" POCKET

STEEL POST FOOTING SCHEDULE
F1 3'-0" x 3'-0" W/ (6) #4'S 12" DEPTH
REBAR COUNT IS EACH WAY, EQUAL CENTERS



A FOUNDATION/BASEMENT LEVEL FLOOR PLAN

1/4" = 1'-0"

EAGLE 1 CONSTRUCTION
 GRAIN VALLEY, MISSOURI
TONY JUNIOR

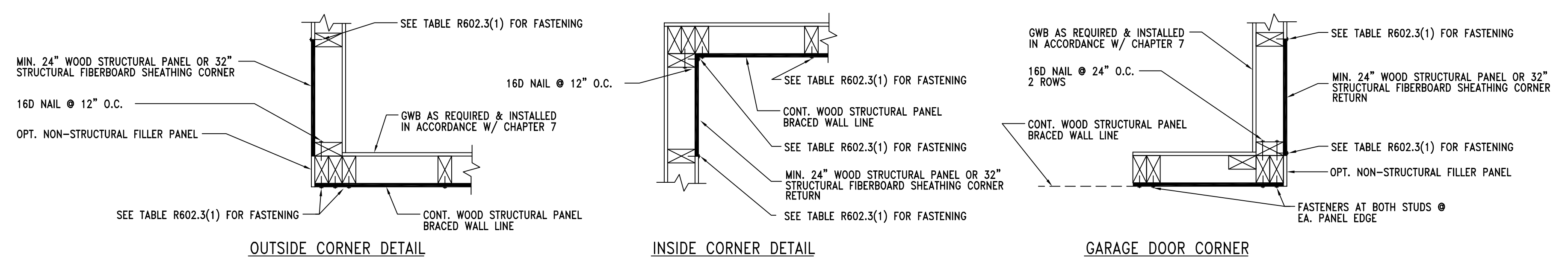
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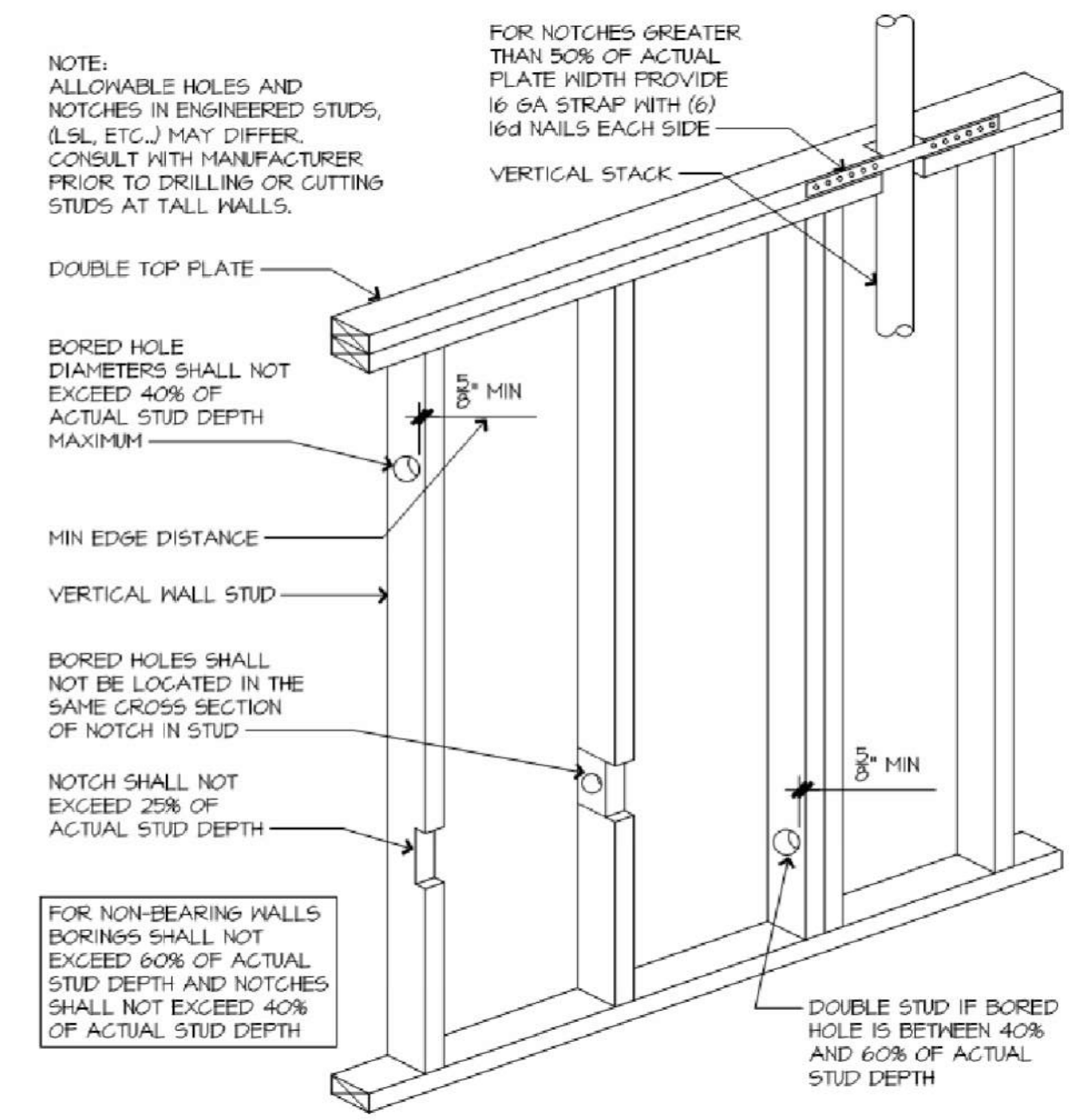


EAGLE 1 CONSTRUCTION
 GRAIN VALLEY, MISSOURI
 TONY JUNIOR



E CS-WSP CORNER FRAMING DETAILS
N.T.S.

- ALL BEAMS/HEADERS ARE ASSUMED FLUSH U.N.O.
- LVL REQUIRED BEARING (PARALLEL W/ BEARING WALL)
MIN. 50% OF TOTAL LVL THICKNESS (I.E. 9-1/4" LVL = 4.6")
- LVL REQUIRED FASTENING
2 PLY LVL CONNECTED WITH SIMPSON ASSEMBLY A STRONG-DRIVE SCREWS (2) 1-3/4" SDS x 1/4" x 3-1/2" W/ (2) ROWS NAILING PATTERN AT 12" O.C.
- LVL TO LVL BEAM CONNECTION
SIMPSON STRONG TIE HUS410 OR EQ. W. LVL REQ. FASTENING
- ALL STUD PACKS NOT SHOWN ARE TO BE MIN (2) 2 x 4'S U.S.O.
- INTERIOR POINT LOADS
- INTERIOR LOAD BEARING WALL
- SIMPSON STRONG TIE HUS410, 412 OR 414 OR EQUAL W/ LVL REQUIRED FASTENING
- SIMPSON JOIST HANGER-SIZED PER MEMBER
- CEILING JOIST/ATTIC LOADS
CEILING JOIST ALLOWABLE SPANS ARE BASED ON IRC TABLE R602.4(1) FOR UNHABITABLE ATTICS WITH NO STORAGE UTILIZING L.L. = 10 PSF AND D.L. = 5 PSF

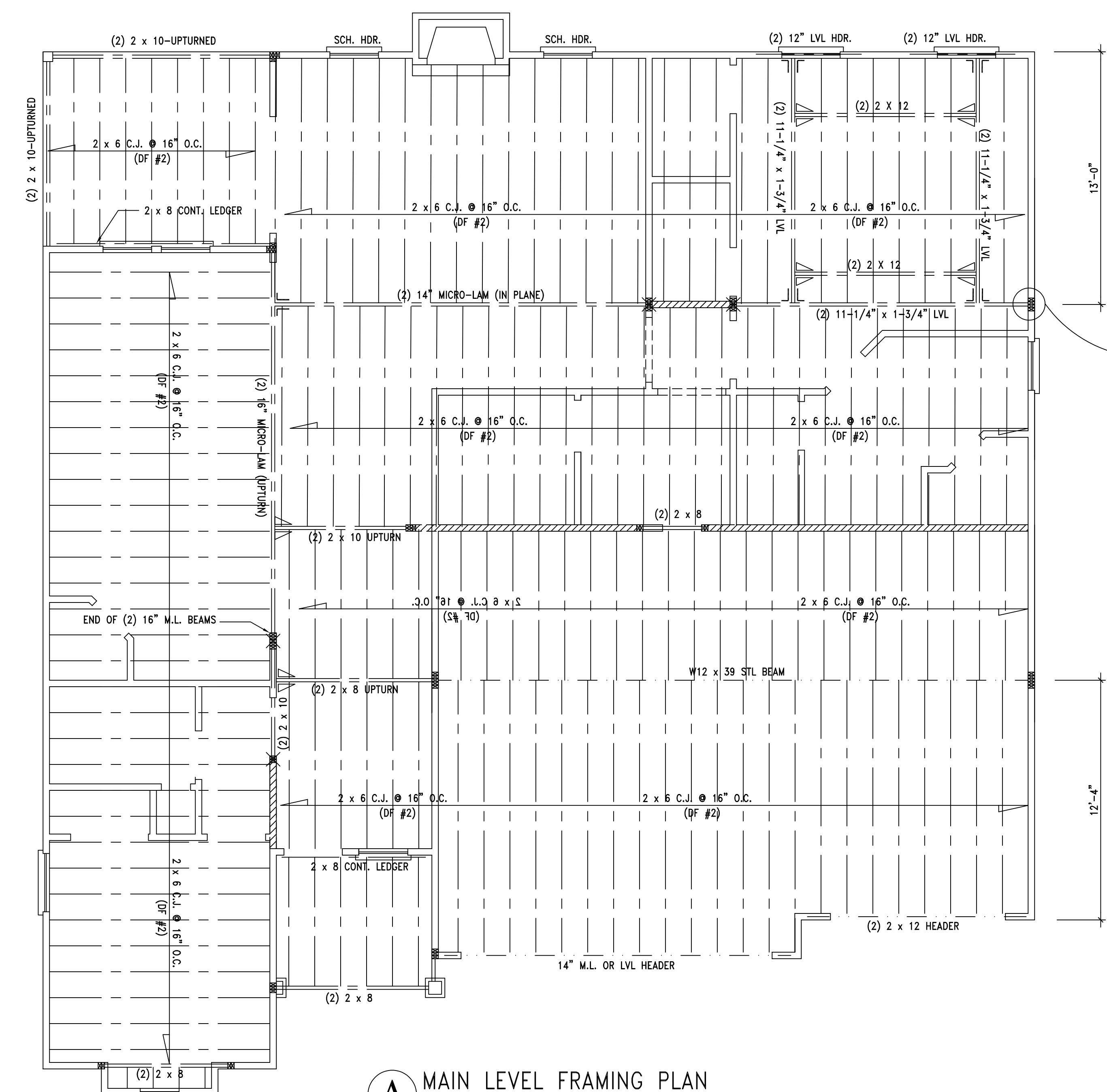


D PARTITION NOTCHING REQUIREMENTS
N.T.S.

BEARING WALL HEADERS					
INTERIOR WALL (1 FLOOR)			EXTERIOR WALL (ROOF ONLY)		
SPAN	SIZE	NO. JS.	SPAN	SIZE	NO. JS.
0'-0" - 4'-5"	(2) 2x8	2	0'-0" - 5'-4"	(2) 2x8	2
4'-6" - 5'-5"	(2) 2x10	2	5'-5" - 6'-6"	(2) 2x10	2
5'-6" - 6'-5"	(2) 2x12	2	6'-7" - 7'-6"	(2) 2x12	2
INTERIOR WALL (2 FLOORS)			EXTERIOR WALL (ROOF + FLOOR)		
0'-0" - 3'-2"	(2) 2x8	2	0'-0" - 4'-6"	(2) 2x8	2
3'-3" - 3'-10"	(2) 2x10	3	4'-7" - 5'-6"	(2) 2x10	2
3'-11" - 4'-5"	(2) 2x12	3	5'-7" - 6'-5"	(2) 2x12	2
EXTERIOR WALL (ROOF + 2 FLOORS)					
0'-0" - 3'-4"	(2) 2x8	2			
3'-10" - 4'-7"	(2) 2x10	2			
4'-8" - 5'-3"	(2) 2x12	2			

- TYPICAL HEADER**
- NOT FOR OPEN WEB FLOOR TRUSS SYSTEMS
 - BASED ON A MAXIMUM JOIST SPAN OF 18FT
 - HEADERS SUPPORT FLOOR LOADS ONLY. RE: PLANS OR CONTACT ENGINEER IF ROOF LOADS NEED TO BE SUPPORTED.
 - FRAMER SHOULD CONSULT IRC TABLE R502.5(1) FOR LOAD BEARING HEADERS USING 30PSF GROUND SNOW LOAD AND THE MAX. BUILDING WIDTH. FRAMER SHALL PROVIDE THE MORE STRINGENT CHOICE BETWEEN THE IRC TABLE AND THIS DETAIL.
 - FRAMER SHALL CONTACT ENGINEER IF ENGINEERED LUMBER IS TO BE UTILIZED.

B BEARING WALL HEADER SCHEDULE
N.T.S.



A MAIN LEVEL FRAMING PLAN
1/4" = 1'-0"

- FASTENER SCHEDULE**
- TOP PLATE TO STUD = (2) 16d
 - STUD TO SOLE PLATE = (3) 8d
 - HEADER = 16d @ 8"
 - JOIST TO PARTITION = (3) 16d
 - JOIST TO PARALLEL RAFTER = (3) 16d
 - RAFTER TO PLATE = (2) 16d
 - TRIPLED CORNERS = 16d
 - RAFTER TO RIFGE = (4) 16d TOE NAIL
 - RAFTER TO RIDGE = (3) 16d FACE NAIL
 - RAFTER TIES = (3) 8d
 - ROOF SHEATHING = 8d SMOOTH OR 6d DEFORMED
 - WALL SHEATHING = 6d COMMON
 - SUBFLOOR = 6d DEFORMED

- DESIGN LOADS**
- ASPHALT SHINGLES = 10 PSF DEAD + 20 PSF LIVE
 - SLATE SHINGLES = 20 PSF DEAD + 20 PSF LIVE
 - FLOORS = 10 PSF DEAD + 40 PSF LIVE
 - YARD LUMBER = Fb=1,500 PSI - Fv=120 PSI
 - MINIMAL SOIL BEARING CAPACITY = 2,000 PSF PER IRC CH. 4
 - REINF. STEEL: MIN. GRADE 40
 - 3" OR 3-1/2" PIPE COLUMNS: 22,000# CAPACITY-SCH. 40

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CEILING JOISTS AND RAFTER CONNECTIONS
 CEILING JOISTS AND RAFTERS SHALL BE TIED TO ONE ANOTHER PER TABLES R602.3(1) AND R602.5.1(9) AND THE ASSEMBLY SHALL BE NAILED TO THE TOP PLATE PER R602.3(1)
 CEILING JOIST NOT PARALLEL TO RAFTERS USE SUBFLOORING OR METAL STRAPS ATTACHED TO END OF THE RAFTERS TO PROVIDE A CONT. TIE ACROSS THE STRUCTURE
TIE DOWN REQUIREMENTS (R602.11)
 FOR RAFTER SPANS OVER 20'-0" INTERPOLATING TABLE 802.11 PROVIDE RATER TIE-DOWNS CAPABLE OF RESISTING OVER 226 POUNDS AT EACH RAFTER
 PER TABLE R602.5.1(2) THE MAX RAFTER SPAN FOR D.F.L. 2 x 6 RAFTERS #2 GRADE = 14'-1" AND IS THE BASIS OF DESIGN FOR PURLIN PLACEMENT

ROOF FRAMING CONNECTION TO BEAMS
 WHERE LVL IS BE INSTALLED IN PLANE, PROVIDE SIMPSON STRONG TIE LRU28Z RAFTER HANGERS EA. RAFTER TO LVL. EACH END OF LVL TO BE SECURED TO SUPPORTING CONSTRUCTION WITH SST LSTA15 OR EQUIVALENT STRAP W/ 1100 LBS. CAPACITY. STRAPPING SHALL BE REQUIRED AT ALL NON-CONT. MEMBERS BETWEEN BEAM & TOP OF FLOOR

CEILING JOIST/ATTIC LOADS
 CEILING JOIST ALLOWABLE SPANS ARE BASED ON IRC TABLE R602.4(1) FOR UNHABITABLE ATTICS WITH NO STORAGE UTILIZING L.L. = 10 PSF AND D.L. = 5 PSF

RAFTER/CEILING JOIST HEEL CONNECTIONS
 PROVIDE (5) 16D NAILS AT EACH HEEL JOINT (RAFTER-JOIST, RAFTER-TIE) CONNECTION. ALSO DENOTED IN DETAIL FOR TYP. ROOF/RAFTER FRAMING. THIS MEETS/EXCEEDS TABLE 802.5.1(9) FOR ROOF SPANS UP TO 28'-0" MAX. 9/12 PITCH AND RAFTERS 16" O.C.

ALL RIDGE BEAMS TO BE 2 x 12 OR (2) 2 x 10 RAFTER TIES/COLLARS REQUIRED AT ALL LOCATIONS

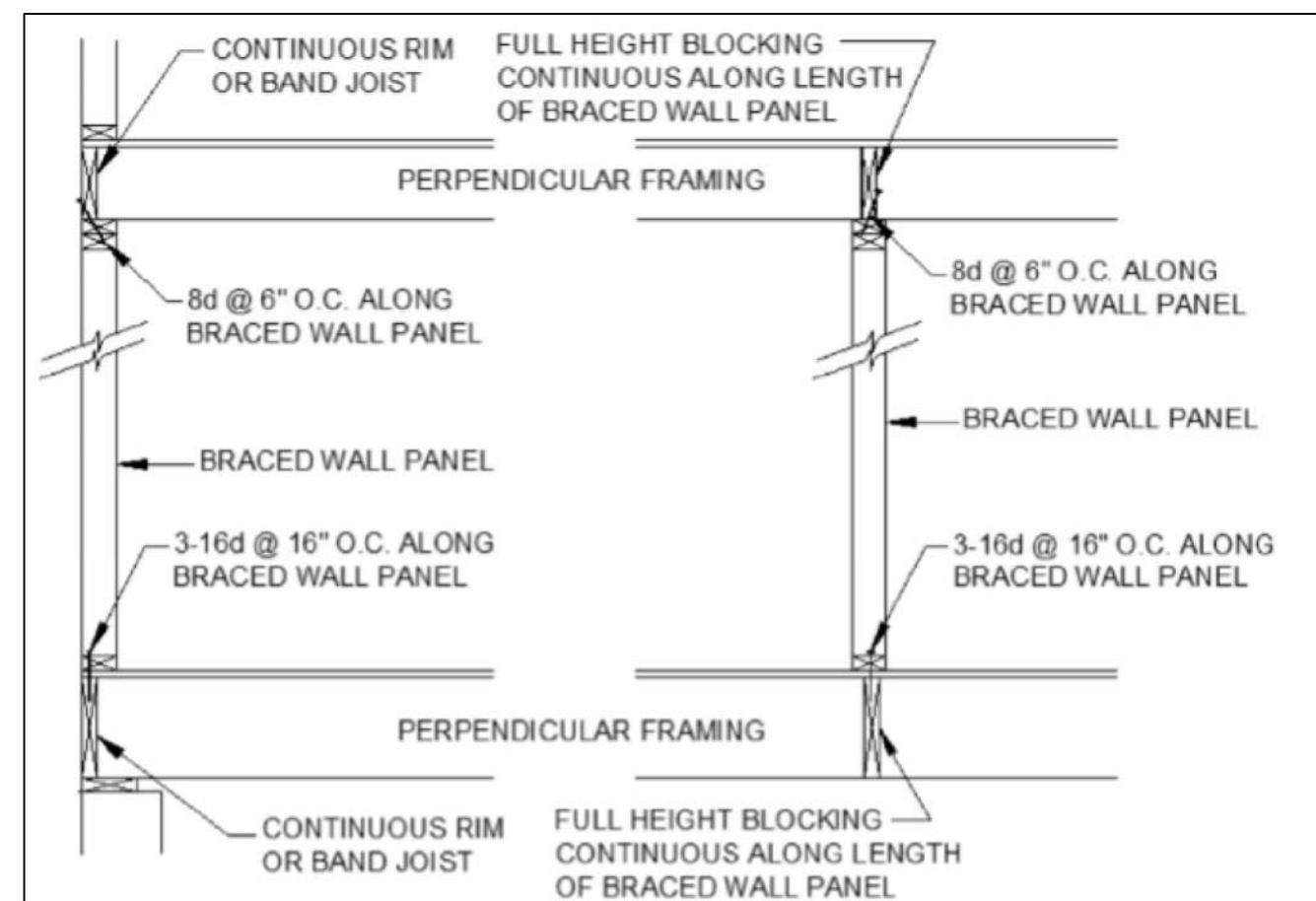


Figure R602.10.8(1) Braced Wall Panel Connection When Perpendicular to Floor/Ceiling Framing

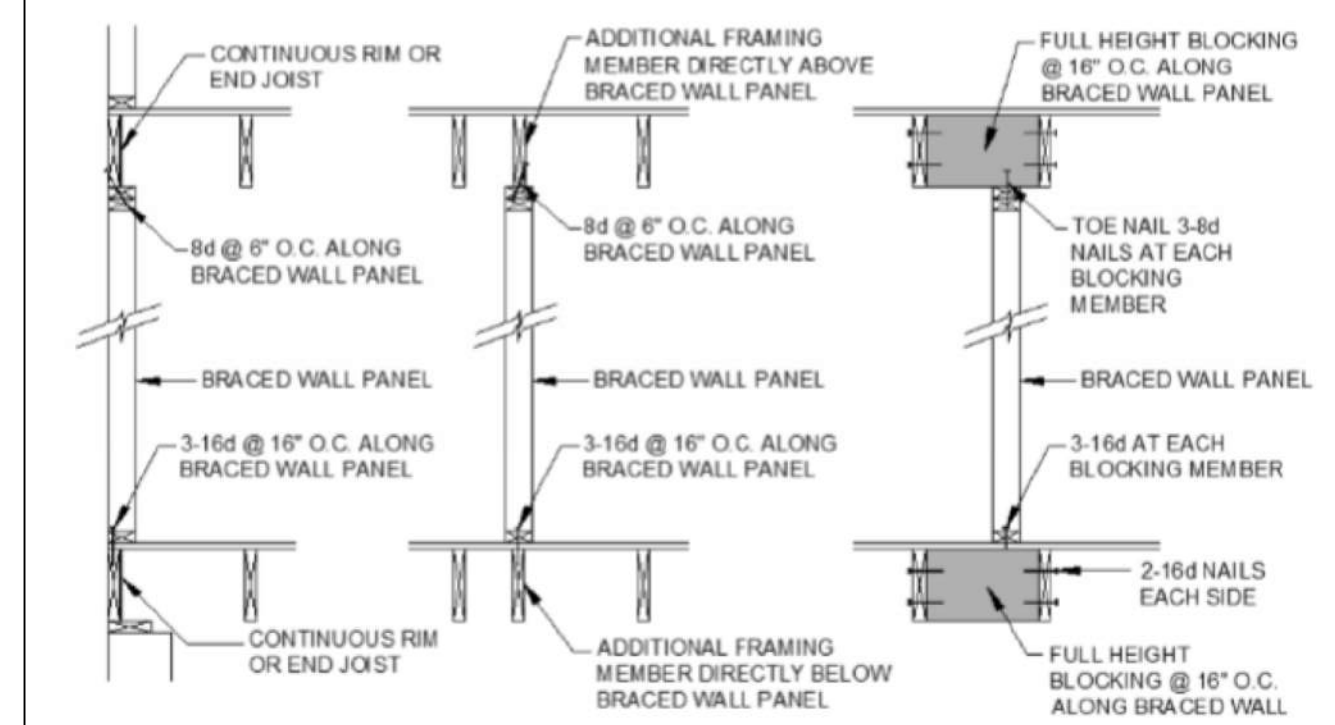
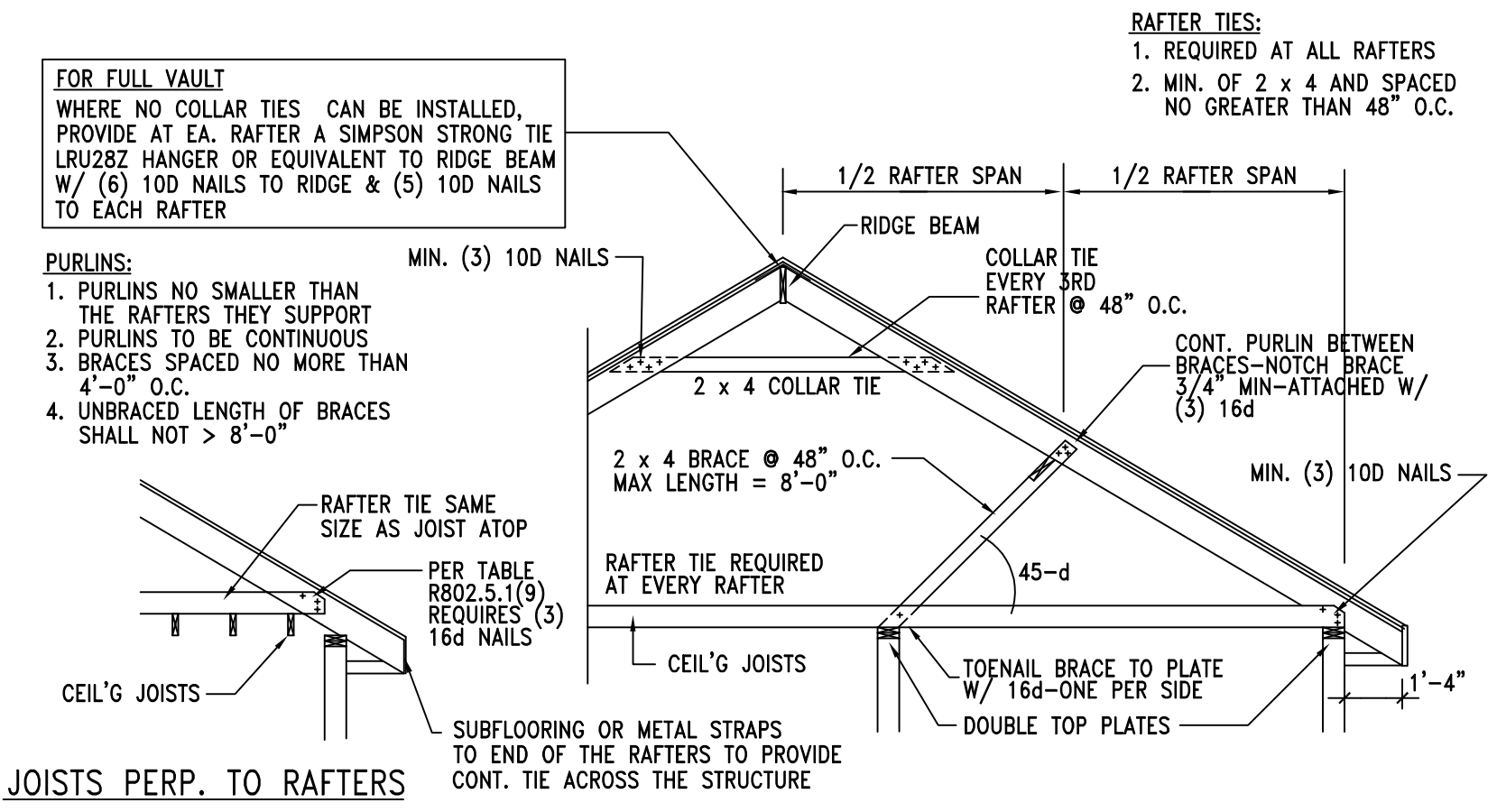
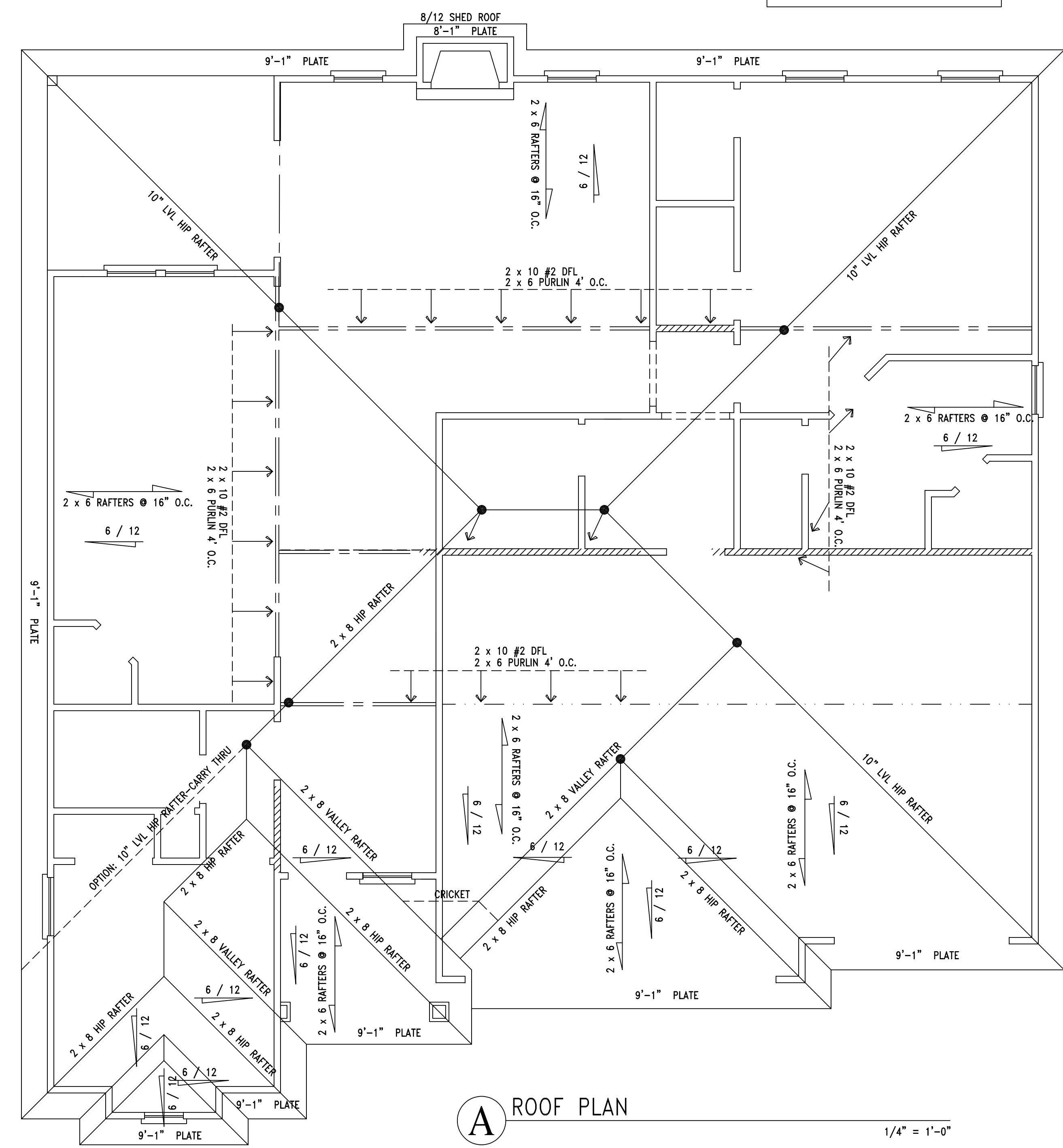


Figure R602.10.8(2) Braced Wall Panel Connection When Parallel to Floor/Ceiling Framing

C BRACED WALL SEGMENT ATTACHMENT CEILING/FLOOR
 2012 IRC SECTION R602.10.8 N.T.S.



B TYP. ROOF/RAFTER FRAMING
 N.T.S.



A ROOF PLAN
 1/4" = 1'-0"

EAGLE 1 CONSTRUCTION
 GRAIN VALLEY, MISSOURI
 TONY JUNIOR

DATE: 12-16-2020
 EIC PROJECT #:
 CLIENT:
 SUBDIVISION:
 PLOT #:

REVISION	DATE

A5