



FRONT ELEVATION
SCALE: 1/4" = 1'-0"



RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



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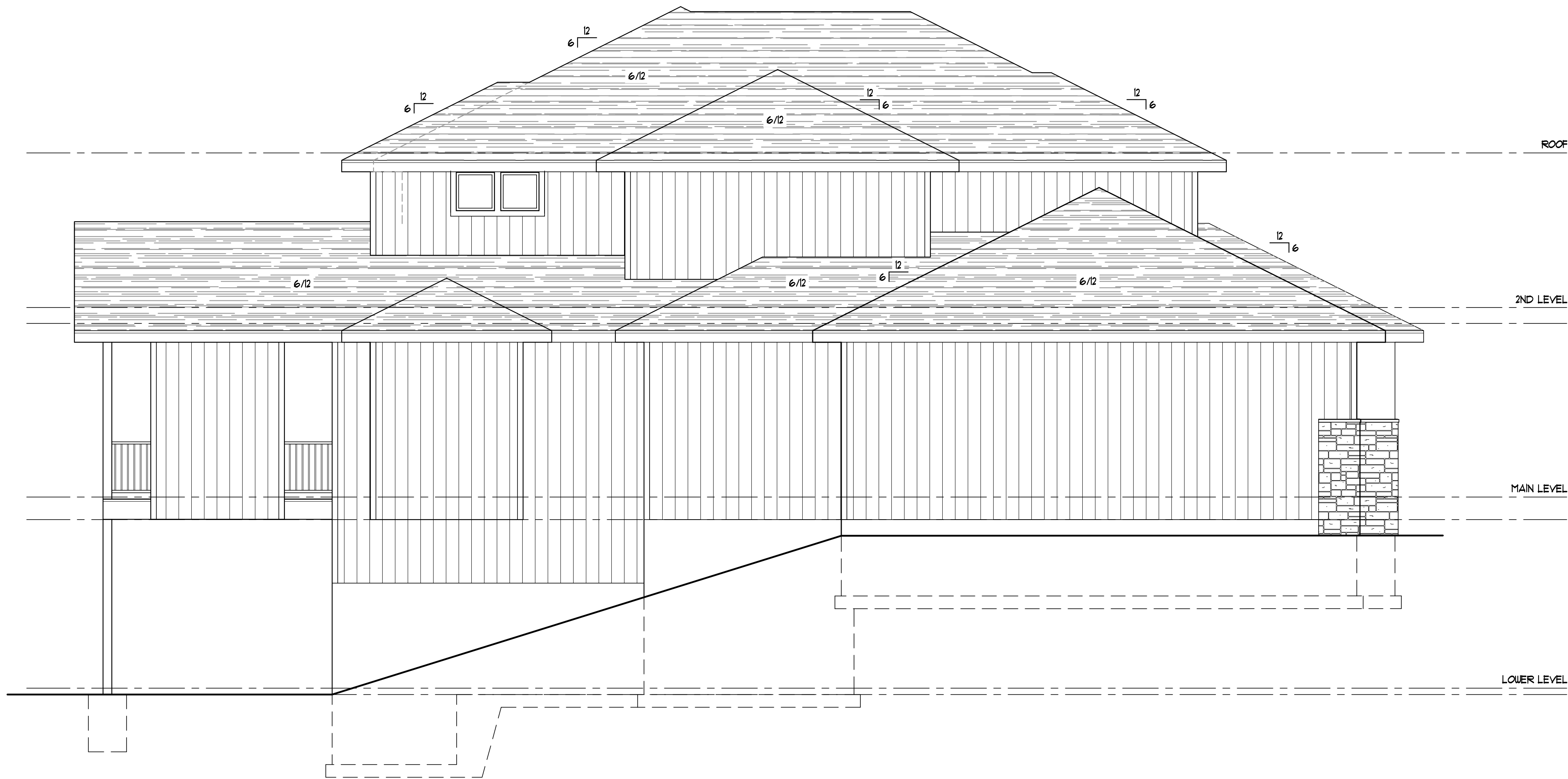
THE MAPLEWOOD III
Keith Murrell
2109 NW O'Brien Road, Lee's Summit, MO
Lot 171 - Woodside Ridge

Project #: 8083-XXXX
DATE: 8/18/2023
For Permit:

GAI



REAR ELEVATION
SCALE: 1/4" = 1'-0"



LEFT ELEVATION
SCALE: 1/4" = 1'-0"



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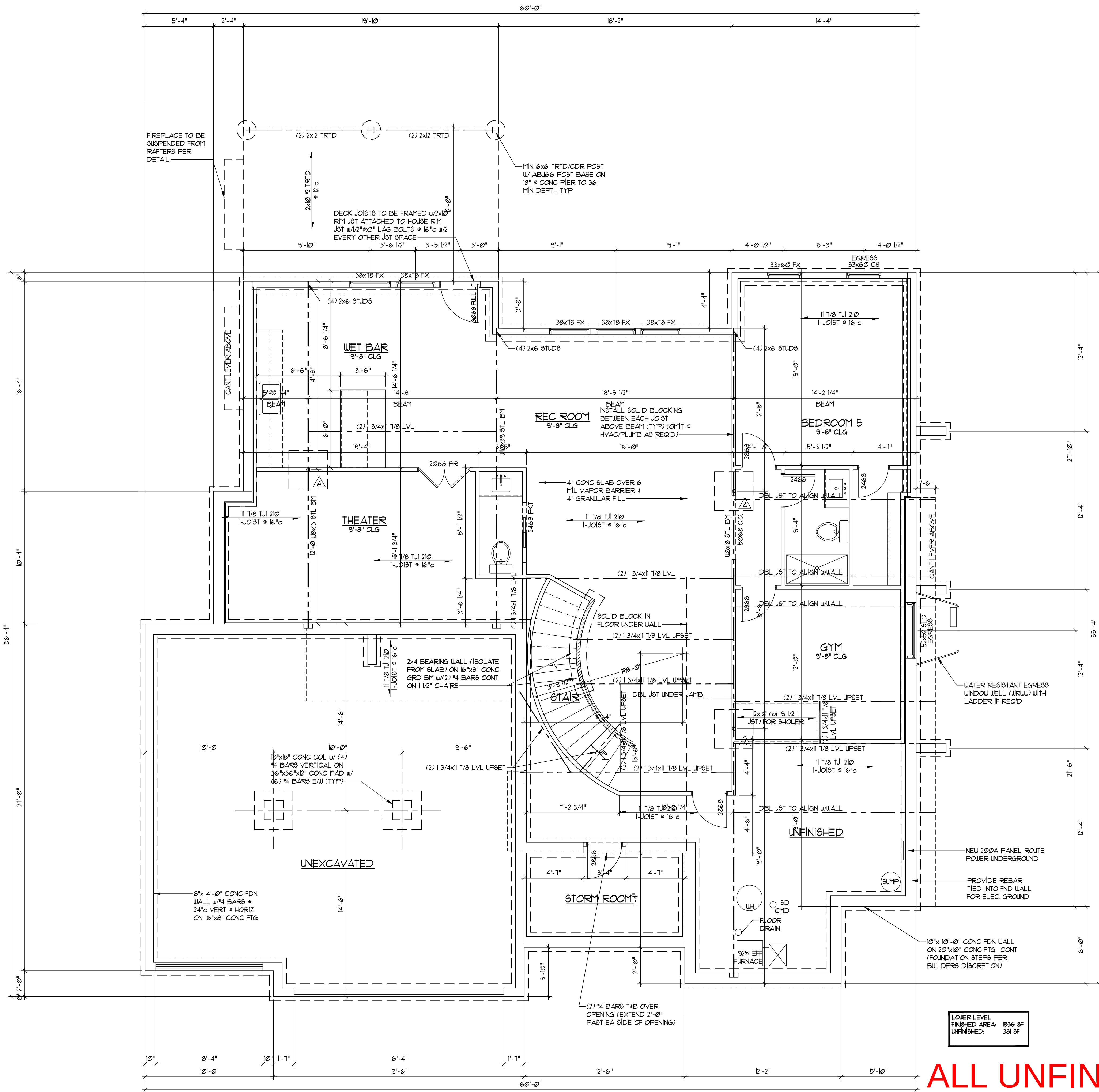
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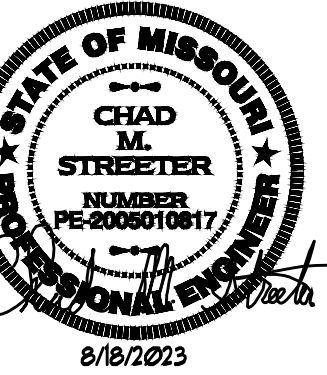
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GENERAL PLAN REQUIREMENTS

1. ALL STUD WALL FRAMING SHALL BE CONTINUOUS FROM THE FLOOR TO ROOF OR CEILING DIAPHRAGM. UNJO. ALL WALLS OVER 10'-0" ARE TO BE 2x6 @ 16" UNJO.
2. PROVIDE WATER-RESISTANT EXTERIOR WALL COVERING ON ALL FRAMED WALLS WITH 1/2" MIN. INSULATION.
3. PROVIDE GFCI ELECTRICAL OUTLETS ON EXTERIOR, IN UNFINISHED BASEMENT, IN BATHROOMS, ABOVE KITCHEN COUNTERTOPS, IN GARAGE, AND WITHIN 6'-0" OF ANY SINK.
4. ALL EXTERIOR DOORS SERVED BY LANDING.
5. INSTALL CARBON MONOXIDE DETECTORS PER IRC SECTION 315 OUTSIDE OF EACH SLEEPING AREA.
6. INSTALL SMOKE DETECTORS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA WITH A MINIMUM OF ONE ON EACH FLOOR PER IRC SECTION 314.
7. INSTALL A "USER" GROUND PER IRC 360.8(1).
8. PROVIDE TO ALL TRADES ALL DETAILS AND/OR CALCULATIONS.
9. INSTALL BLOCKING FOR TP HOLDERS, TOILET BARS, AND TRIM BEAMS.
10. GARAGE DOOR H-FRAME: THE H-FRAME FOR ATTACHMENT OF THE TRACK AND COUNTER BALANCE SHALL CONSIST OF THE FOLLOWING: 2x6 VERTICAL JAMBS RUNNING FROM FLOOR TO CEILING ATTACHED WITH 3 1/4"x14"x20 NAILS @ 12" STUDS AND WITH 3 1/4"x14"x20 NAILS @ 12" STUDS TO HEADER. MINIMUM 2x8 HEADER FOR ATTACHMENT OF COUNTER BALANCE SYSTEM.
11. OVERHEAD GARAGE DOORS TO MEET 15 LBF/INCH LOAD RESISTANCE REQUIREMENTS OF DASHA 108-11 AND ASTM E 330-02.
12. MAXIMUM RISER HEIGHT OF STAIRWAYS SHALL NOT EXCEED 7 3/4" AND THE TREADS SHALL PROVIDE A MINIMUM TREAD DEPTH OF 10".
13. ALL EXTERIOR AND LOAD BEARING WINDOW AND DOOR HEADERS TO BE (2) 2X10 D/FIR #2 UNLESS NOTED OTHERWISE ON PLANS
14. ALL HEADER BEARINGS (OTHER THAN WINDOWS) TO BE (2) 2X4 STUDS UNLESS NOTED OTHERWISE. WINDOW HEADER BEARING TO BE (1) 2X4 EA END UNLESS NOTED OTHERWISE.
15. SLOPED VAULTS SHALL BE FURRED DOWN WITH 2x MATERIAL, 1x FURRED WITH 1/2" OSB FLITCH PLAT TO PROVIDE REQUIRED DEPTH FOR INSULATION (RE: ENERGY REQUIREMENTS AND/OR FRAMING DETAILS)

////// DENOTES LOAD BEARING STUD WALL

WINDOW AND DOOR NOTES

1. ALL WINDOWS ARE SHOWN IN INCHES (I.E. 3060" IS A 30"x60" WINDOW). ALL DOORS SHOWN IN FEET AND INCHES (I.E. 2868 DOOR IS A 2'-8 7/8" x 6" DOOR). CONTRACTOR/INSTALLER TO VERIFY ROOF DIMENSIONS WITH BUILDER SUPPLIED CUT SHEET PRIOR TO FRAMING.
2. ALL WINDOWS TO BE LOW-E GLASS TO MEET ALL LOCAL ENERGY CODE REQUIREMENTS.
3. PROVIDE EGRESS WINDOW IN ALL SLEEPING ROOMS. WINDOW SHALL COMPLY WITH THE FOLLOWING:
 - A. MINIMUM OPEN AREA 5.7 SF
 - B. MINIMUM OPENING HEIGHT 24 INCHES
 - C. MINIMUM OPENING WIDTH 20 INCHES
 - D. SILL HEIGHT 44" MAX ABOVE FLOOR
4. ALL WINDOW SILLS ARE TO BE 24" MIN ABOVE FINISH FLOOR OR SHALL BE FIXED/INOPERABLE.
5. ALL WINDOW AND GLAZED DOORS SHALL COMPLY WITH IRC SECTION R308, IRC SECTION R308.4 AND GLAZING IN HAZARDOUS LOCATIONS SHALL BE OF APPROVED SAFETY GLAZING MATERIALS. GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN 24" ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS WITHIN 60" OF THE FLOOR, WALLS ENCLOSING STAIRWAYS AND LANDING AREAS SHALL BE GLAZED WITHIN 60" OF THE TOP OR BOTTOM OF STAIR ENCLLOSURES FOR TUBS, SHOWERS AND WHIRLPOOLS. GLAZING IN FIXED OR OPERABLE PANELS EXCEEDING 8' SF AND WHOSE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WORKING SURFACE WITHIN 36".
6. ALL GLAZING WINDOW SHALL HAVE FALL PROTECTION PER IRC R302.2. ALL OPERABLE IN WINDOW AND DOORS SHALL COMPLY WITH THE TEST CRITERIA FOR CYCLES AND STRESS IN ACCORDANCE WITH CPSC 16 CFR 1201.
7. WINDOW MANUFACTURER TO CONFIRM EXACT SAFETY AND EGRESS WINDOW LOCATIONS PER LOCAL CODES.

ENERGY REQUIREMENTS

CONTRACTOR TO PROVIDE ENERGY AUDIT USING THE HERS ENERGY RATING SYSTEM. IN LIEU OF AN ENERGY AUDIT, THE FOLLOWING PRESCRIPTIVE REQUIREMENTS MAY BE FOLLOWED:

- A. ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING CAVITIES TO BE SEALED PER IRC SECTION N103.2.
- B. THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED PER IRC SECTION N102.4.
- C. CONTRACTOR TO SUBMIT "MANUAL J" AND "MANUAL D" CALCULATIONS FOR THE HVAC SYSTEM
- D. INSULATION TO COMPLY WITH IECC AS FOLLOWS:
 - WALLS R-13
 - CEILING (FLAT) R-49
 - CEILING (VAULTED) R-38 (NOTE: VAULTED AREA NOT TO EXCEED 500sq ft OR 20% OF ROOF AREA, WHICHEVER IS LESS)

FLOORS OVER UNCONDITIONED SPACE	R-19
CRAWL SPACE WALLS	R-13 (or R-10 CONTINUOUS)
BASEMENT WALLS	R-13 (or R-10 CONTINUOUS)
SLABS	N/R
DUCTWORK	R-8
WINDOWS	
U-FACTOR	U 0.32 (MAX)
SHGC	0.40 (MAX)
SKYLIGHTS	
U-FACTOR	U 0.55 (MAX)
SHGC	0.40 (MAX)

WALL BRACING NOTES:

1. ALL WALLS ARE TYPE "CS-USP" AND ARE CONTINUOUSLY SHEATHED UNLESS NOTED OTHERWISE, THE BRACED WALL NOTATIONS (IF SHOWN) REFLECT THE MINIMUM SHEATHING REQUIREMENTS PER CODE.
2. IF NO NOTATIONS ARE SHOWN FOR WALLS TYPE "CS-USP" ON PLAN, WALL IS FULLY SHEATHED AND MEETS ALL REQUIREMENTS WITH END CONDITION #1, #3, OR #4.
3. EC # - END CONDITION PER IRC FIGURE R602.10.7, (FOR CONDITIONS #1, #3, & #4 NO HOLD-DOWN REQUIRED)
4. INTERIOR WALL BRACING NOT REQUIRED

XXXXXXXXXXXX DENOTES EXTERIOR BRACED WALL WOOD
XX" PANEL STRUCTURAL PANEL (WSP or CS-WSP)
ATTACHED PER DETAILS AND GENERAL NOTES

THE MAPLEWOOD III

Keith Murrell
2109 NW O'Brien Road, Lee's Summit, MO
Lot 171 - Woodside Ridge

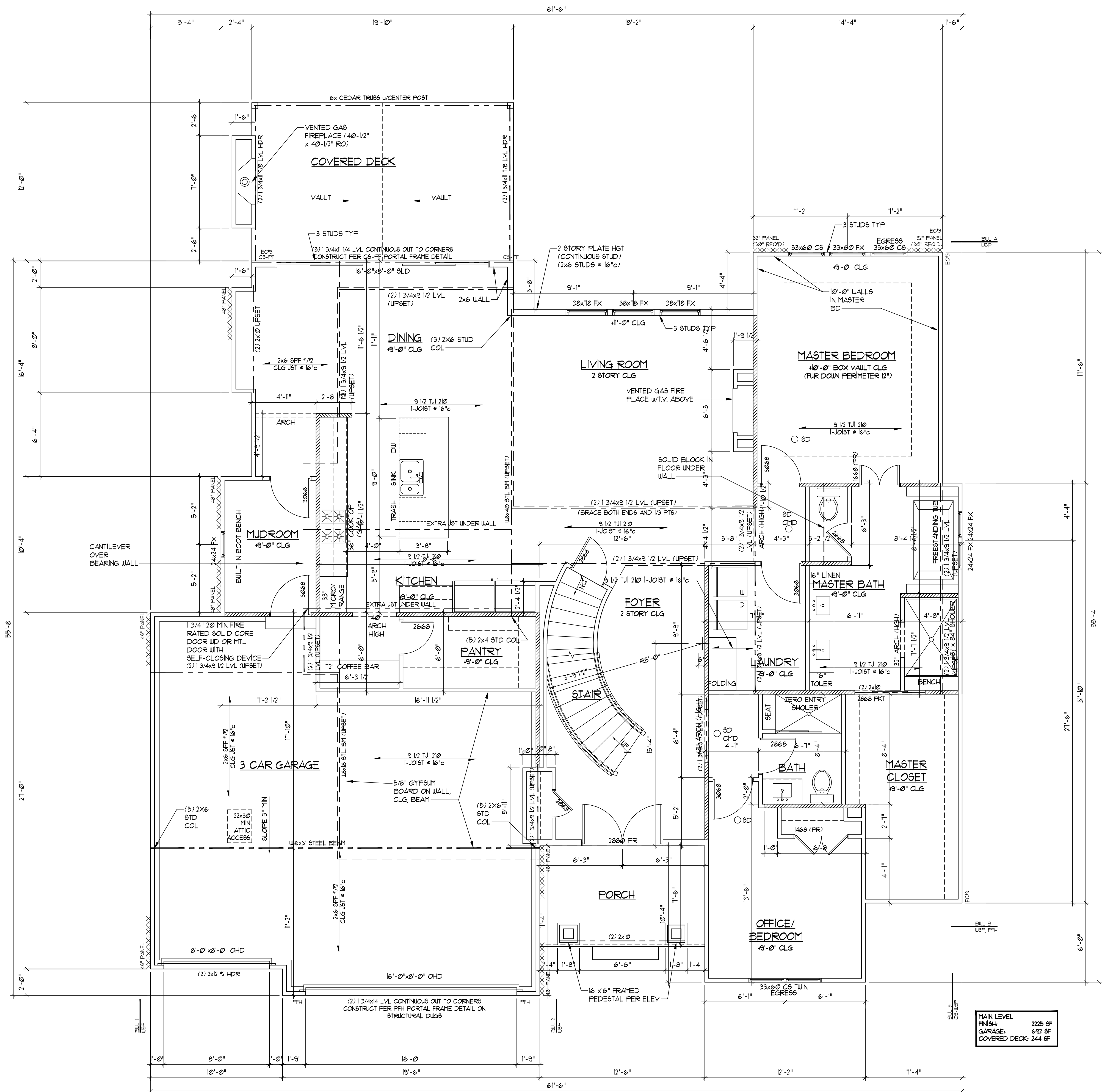
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DATE: _____

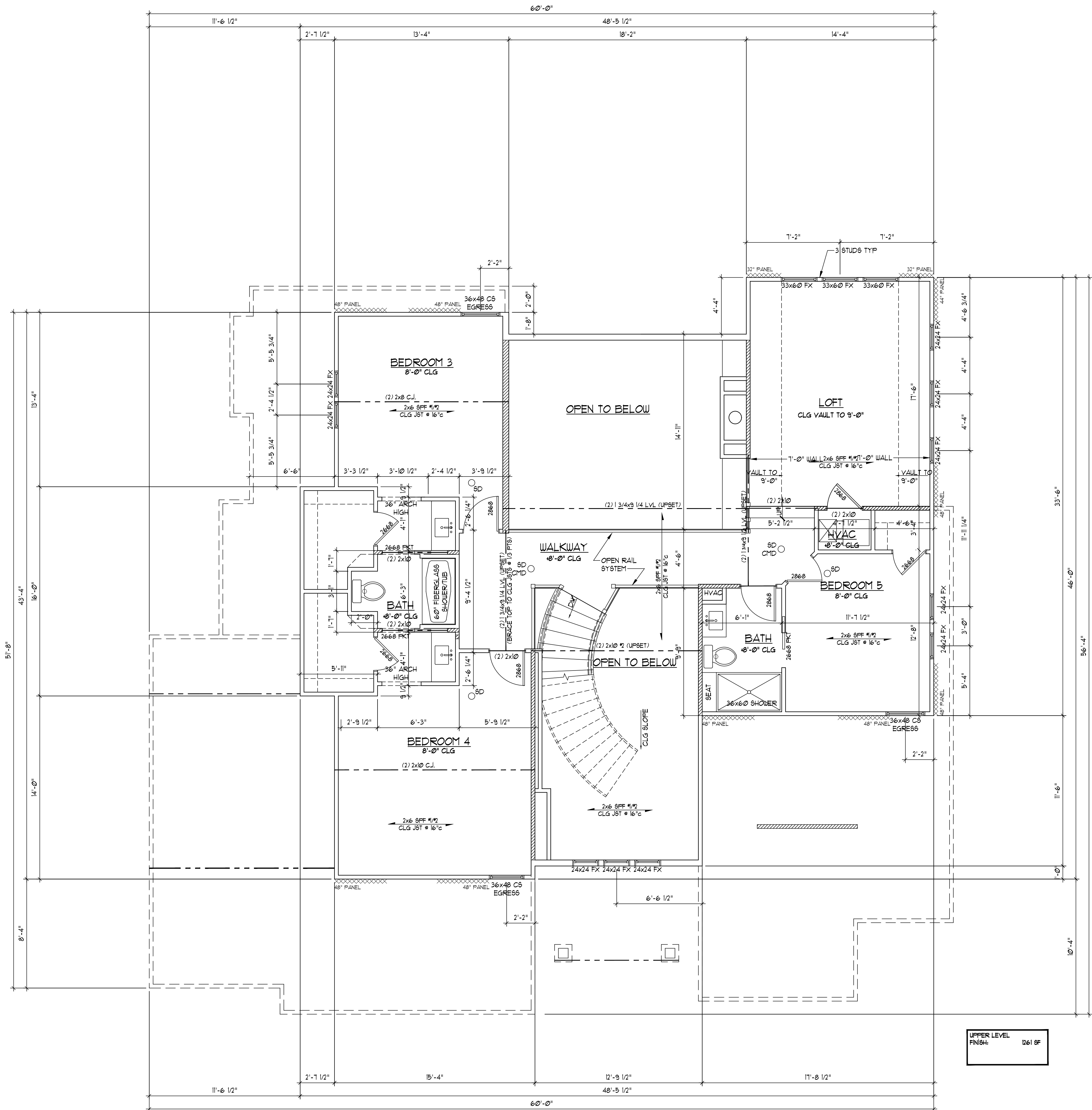
or Permit: 8/18/2023

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MAIN FLOOR PLAN
SCALE: 1/4" = 1'-0"



SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL PLAN REQUIREMENTS

- ALL STUD WALL FRAMING SHALL BE CONTINUOUS FROM THE FLOOR TO ROOF OR CEILING DIAPHRAGM, UNO. ALL WALLS OVER 10'-0" ARE TO BE 2x6 @ 16" C UNO.
- PROVIDE WATER-RESISTANT EXTERIOR WALL COVERING ON ALL FRAMED WALLS TO COMPLY WITH IRC SECTION 103.2.
- PROVIDE GFCI ELECTRICAL OUTLETS ON EXTERIOR, IN UNFINISHED BASEMENT, IN BATHROOMS, ABOVE KITCHEN COUNTERS, IN GARAGE, AND WITHIN 6'-0" OF ANY SINK.
- ALL EXTERIOR DOORS SERVED BY LANDING.
- INSTALL CARBON MONOXIDE DETECTORS PER IRC SECTION 315 OUTSIDE OF EACH SLEEPING AREA.
- INSTALL SMOKE DETECTORS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA, WITH A MINIMUM OF ONE ON EACH FLOOR PER IRC SECTION 314.
- PROVIDE A "UFER" GROUND PER IRC 3608.1.
- REFER TO SHEET 53 FOR ALL WALL BRACING DETAILS AND/OR CALCULATIONS.
- INSTALL BLOCKING FOR TP HOLDERS, TOILET BARS, AND TRIM BEAMS.
- GARAGE DOOR H-FRAME: THE H-FRAME FOR ATTACHMENT OF THE TRACK AND COUNTER BALANCE SHALL CONSIST OF THE FOLLOWING: 2x6 VERTICAL JAMBS RUNNING FROM FLOOR TO CEILING ATTACHED WITH 3 1/4"x120 NAILS @ 1" C STAGGERED WITH (1) 3 1/4"x120 NAILS THRU JAMB INTO HEADER, MINIMUM 2x8 HEADER FOR ATTACHMENT OF COUNTER BALANCE SYSTEM.
- OVERHEAD GARAGE DOORS TO MEET 15 MPH WIND LOAD RESISTANCE REQUIREMENTS OF DASHA 108-11 AND ASTM E 330-02.
- MAXIMUM RISER HEIGHT OF STAIRWAYS SHALL NOT EXCEED 1 3/4" AND THE TREADS SHALL PROVIDE A MINIMUM TREAD DEPTH OF 10".
- ALL EXTERIOR AND LOAD BEARING WINDOW AND DOOR HEADERS TO BE (2) 2x10 DFR 2 UNLESS NOTED OTHERWISE ON PLANS.
- ALL HEADER BEARINGS (OTHER THAN WINDOWS) TO BE (2) 2x4 STUDS UNLESS NOTED OTHERWISE. WINDOW HEADER BEARING TO BE (1) 2x4 EA END UNLESS NOTED OTHERWISE.
- SLOPING VAULTS SHALL BE FURRED DOWN WITH 2x MATERIAL & AFFIXED WITH 1/2" OSB FLITCH PLATE TO PROVIDE REQUIRED DEPTH FOR INSULATION (RE: ENERGY REQUIREMENTS and/or FRAMING DETAILS)

////////// DENOTES LOAD BEARING STUD WALL

WINDOW AND DOOR NOTES

- ALL WINDOWS ARE SHOWN IN INCHES (I.E. 30x60 IS A 30"x60" WINDOW). ALL DOORS SHOWN IN FEET AND INCHES (I.E. 28x8 DOOR IS A 2'-8"x6'-8" DOOR). CONTRACTOR/INSTALLER TO VERIFY R.O. DIMENSIONS WITH BUILDER SUPPLIED CUT SHEET PRIOR TO FRAMING.
- ALL WINDOWS TO BE LOW-E GLASS TO MEET ALL LOCAL ENERGY CODE REQUIREMENTS.
- PROVIDE EGRESS WINDOW IN ALL SLEEPING ROOMS. WINDOWS SHALL COMPLY WITH THE FOLLOWING:
 - A. MINIMUM OPEN AREA 5.7 SF
 - B. MINIMUM OPENING HEIGHT 24 INCHES
 - C. MINIMUM OPENING WIDTH 20 INCHES
 - D. SILL HEIGHT 44" MAX ABOVE FLOOR
- ALL WINDOW SILLS ARE TO BE 24" MIN ABOVE FINISH FLOOR, OR SHALL BE FIXED/INOPERABLE.
- ALL WINDOWS AND GLAZED DOORS SHALL COMPLY WITH IRC SECTION R308. IRC SECTION R308.4 GLAZING IN HAZARDOUS LOCATIONS SHALL BE OF APPROVED SAFETY GLAZING MATERIALS. GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24" ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS WITHIN 60" OF THE FLOOR WALLS ENCLOSING STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP OR BOTTOM OF STAIR ENCLOSURES FOR TUBS, SHOWERS AND whirlpools. GLAZING IN FIXED OR OPERABLE PANELS EXCEEDING 9 SF AND WHOSE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE WITHIN 36".
- ALL OPERABLE WINDOWS SHALL HAVE FALL PROTECTION PER IRC R302.2.
- ALL GLAZING IN WINDOWS AND DOORS SHALL COMPLY WITH THE TEST CRITERIA FOR CATEGORY II IN ACCORDANCE WITH CPSC 16 CFR 1201.
- WINDOW MANUFACTURER TO CONFIRM EXACT SAFETY AND EGRESS WINDOW LOCATIONS PER LOCAL CODES.

ENERGY REQUIREMENTS

CONTRACTOR TO PROVIDE ENERGY AUDIT USING THE HERS ENERGY RATING SYSTEM. IN LIEU OF AN ENERGY AUDIT, THE FOLLOWING PRESCRIPTIVE REQUIREMENTS MAY BE FOLLOWED:

- ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING CAVITIES TO BE SEALED PER IRC SECTION N102.1.
- THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED PER IRC SECTION N102.4.
- CONTRACTOR TO SUBMIT "MANUAL J" AND "MANUAL D" CALCULATIONS FOR THE HVAC SYSTEM.
- INSULATION TO COMPLY WITH IECC AS FOLLOWS:

WALLS	R-13
CEILING (FLAT)	R-49
CEILING (VAULTED)	R-38 (NOTE: VAULTED AREA NOT TO EXCEED 500sq ft OR 20% OF ROOF AREA, WHICHEVER IS LESS)
FLOORS OVER UNCONDITIONED SPACE	R-19
CRAWL SPACE WALLS	R-13 (or R-10 CONTINUOUS)
BASEMENT WALLS	R-13 (or R-10 CONTINUOUS)
SLABS	N/R
DUCTWORK	R-8
WINDOWS	U 0.32 (MAX)
U-FACTOR	0.40 (MAX)
SHGC	0.40 (MAX)
SKYLIGHTS	U 0.32 (MAX)
U-FACTOR	0.40 (MAX)
SHGC	0.40 (MAX)

WALL BRACING NOTES:

- ALL WALLS ARE TYPE "CS-USP" AND ARE CONTINUOUSLY SHEATHED UNLESS NOTED OTHERWISE. THE BRACED WALL NOTATIONS (IF SHOWN) REFLECT THE MINIMUM SHEATHING REQUIREMENTS PER CODE.
- IF NO NOTATIONS ARE SHOWN FOR WALLS TYPE "CS-USP" ON PLAN, WALL IS FULLY SHEATHED AND MEETS ALL REQUIREMENTS WITH END CONDITION #1, #3, OR #4.
- EC # - END CONDITION PER IRC FIGURE R602.10.7. (FOR CONDITIONS #1, #3, & #4 NO HOLDDOWN REQUIRED)
- INTERIOR WALL BRACING NOT REQUIRED

XXXXXXXXXXXX DENOTES EXTERIOR BRACED WALL WOOD STRUCTURAL PANEL (USP OR CS-USP) ATTACHED PER DETAILS AND GENERAL NOTES



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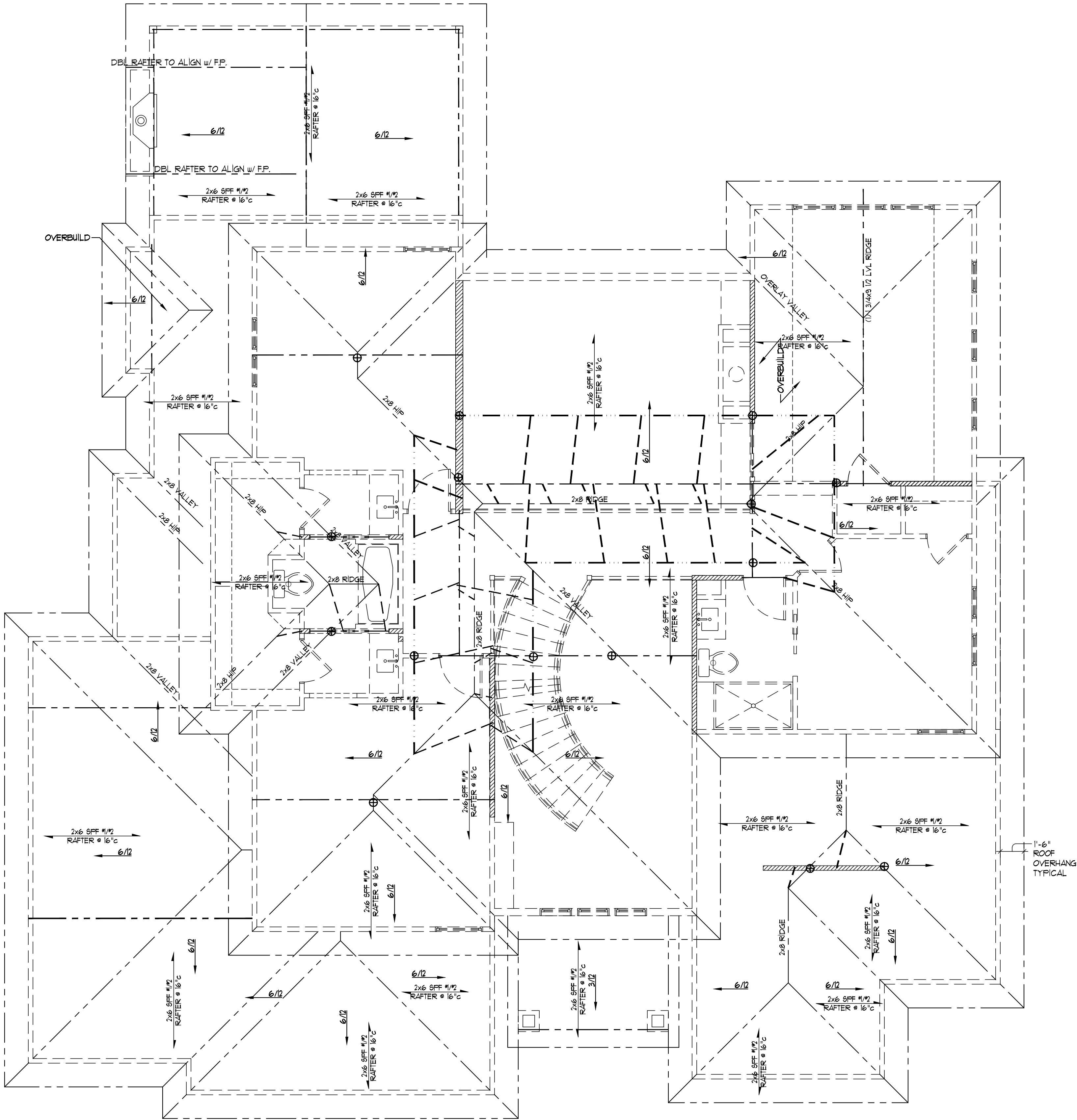
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ROOF PLAN
SCALE: 1/4" = 1'-0"

ROOF PLAN NOTES

- ALL ROOF RAFTERS NOT CALLED OUT ARE TO BE 2x6 SFF #1/2 @ 16" c
- ALL CEILING JOISTS NOT CALLED OUT ARE TO BE 2x6 SFF #1/2 @ 16" c
- ALL VAULTS TO BE FURRED DOWN w/2x MATERIAL TO PROVIDE FOR R-38 INSULATION
- ALL EXTERIOR AND LOAD BEARING WINDOW AND DOOR HEADERS TO BE (2) 2x10 D FIR #2 UNLESS NOTED OTHERWISE ON PLANS
- ALL RIDGES, HIPs, AND VALLEYS NOT MARKED SHALL BE (1) NOMINAL SIZE LARGER THAN THE INTERSECTING RAFTERS
- CEILING JOISTS AND RAFTERS SHALL BE NAILED TO EACH OTHER WITH (3) 16d COM (3 1/2"x0.62") NAILS AND THE RAFTER SHALL BE NAILED TO THE TOP WALL PLATE WITH (3) 8d COM (2 1/2"x0.31") NAILS. CEILING JOISTS SHALL BE CONTINUOUS OR SECURELY JOINED WITH (3) 16d COM (3 1/2"x0.62") NAILS WHERE THEY MEET OVER INTERIOR PARTITIONS AND ARE NAILED TO ADJACENT RAFTERS TO PROVIDE A CONTINUOUS TIE ACROSS THE BUILDING WHEN SUCH JOISTS ARE PARALLEL TO THE RAFTERS
- WHERE CEILING JOISTS ARE NOT CONNECTED TO THE RAFTERS AT THE TOP WALL PLATE (or AT LOCATIONS WHERE C.J. ARE PERPENDICULAR TO RAFTERS), INSTALL 2x4 RAFTER TIES @ 16" c WITH (3) 16d COM (3 1/2"x0.62") NAILS EA END.
- ADDITIONAL NOTE: ROOFS WITH SLOPE OF 4:12 OR SHALL OVER SHALL HAVE (5) 16d COM NAILS AT THE CONNECTIONS LISTED IN NOTE #6 AND #7.
- RAFTER CONNECTIONS DESIGNED TO RESIST UPLIFT FORCES PER IRC TABLE 602.11. ROOF HEADERS DO NOT HAVE NOTABLE UPLIFT TO REQUIRE HOLD DOWNS. REFER TO STRUCTURAL DETAIL SHEET S1 CONNECTION TABLE FOR FASTENERS
- INSTALL 2x4 COLLAR TIES @ 48" c IN UPPER 1/3rd OF ROOF RAFTER.
- IF COLLAR TIES CAN NOT BE INSTALLED (AND FOR VAULTED/ CATHEDRAL ROOFS) INSTALL 1 1/4"x 12g8 RIDGE STRAP (SIMPSON LSTA2 or EQUIV.) PER FASTENER SCHEDULE.
- PROVIDE METAL FLASHING OR CLOSED CUT CORNER VALLEY w/ICE & WATER SHIELD AT ALL ROOF VALLEYS.
- ROOF AND SOFFIT VENTS PER LOCAL CODES. WHERE POSSIBLE, PROVIDE ROOF VENTING ON BACK SIDE OF ROOF. BATH VENTS TO VENT DIRECTLY TO THE OUTSIDE.
- PER IRC SECTION R802.3 - FOR ROOF PITCHES 3/12 OR GREATER, STRUCTURAL MEMBERS THAT SUPPORT RAFTERS AND CEILING JOISTS SUCH AS RIDGE BEAMS, HIPs AND VALLEYS THAT ARE SUPPORTED BY BRACES AND/OR FURLING AT THE ENDS ARE ARE NOT REQUIRED TO BE DESIGNED AS BEAMS AND ARE TO BE FRAMED USING LUMBER THAT IS NOMINALLY 2" WIDE BY ONE SIZE GREATER THAN ATTACHING FRAMING MEMBER (NOTE #5). THERE IS NO STRUCTURAL LINE LOADING ON THE MEMBER.
- ALL HIPs AND HIP TO RIDGE CONNECTIONS SHOULD BE INSTALLED AND TIED PER THE ATTACHED DETAILS ON SHEET S2. THIS INCLUDES ADDITIONAL 2x8 CEILING JOISTS AND COLLAR TIES.
- EXACT GUTTER AND DOWNSPOUT LOCATION BY GUTTER INSTALLER.

ROOF BRACING

- ROOF FURLING TO BE PLACED APPROXIMATELY WHERE SHOWN ON PLANS, USE 2x6 STUD GRADE FURLIN PLACED PERPENDICULAR TO RAFTERS (UNLESS NOTED OTHERWISE ON PLANS)
- RIDGE, HIP, VALLEY, AND FURLIN BRACE STRUTS TO BE PLACED AS SHOWN ON PLANS. STRUTS TO BE 2x4 STUD GRADE w/ MAXIMUM UNBRACED LENGTH OF 8'-0" AND AT A 45° ANGLE w/ HORIZONTAL OR GREATER (VERTICAL WHERE POSSIBLE)
- BRACES LONGER THAN 8'-0" SHALL BE 2x4 STRONG BACK BRACES

NOMENCLATURE

- CEILING HEADERS AND BEAMS
- - - 2x6 ROOF FURLING (UNLESS NOTED OTHERWISE ON PLANS)
- - - 2x4 FURLIN/RIDGE BRACING @ 4'-0" c (STRONG BACK IF OVER 8'-0" LONG)
- ⊕ 2x4 STRONGBACK HIP, VALLEY, OR RIDGE RAFTER SUPPORT
- /// LOAD BEARING STUD WALLS



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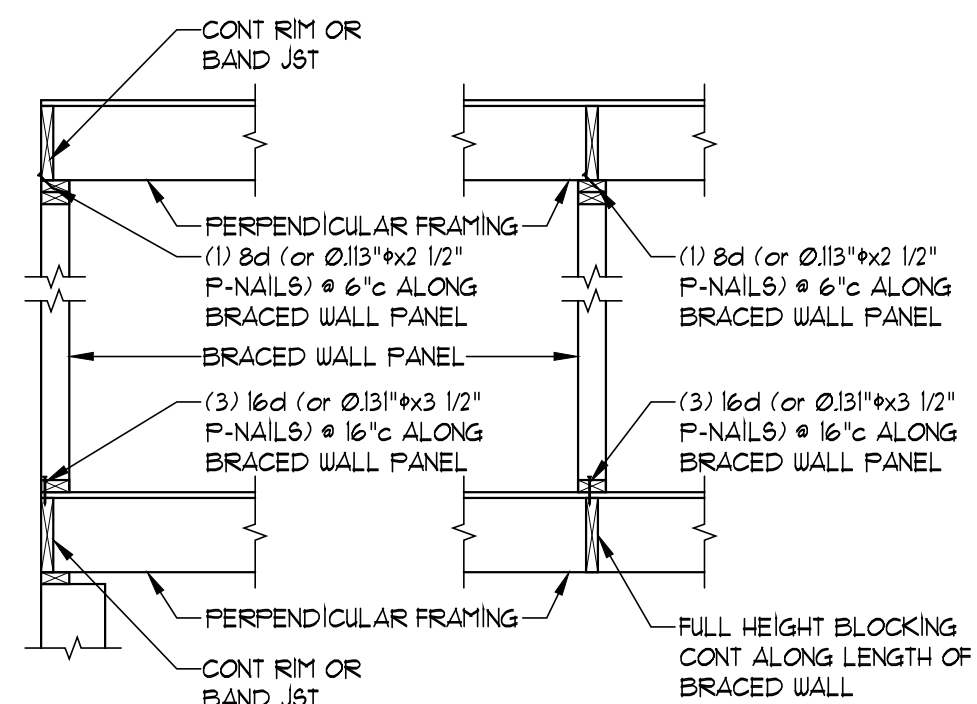
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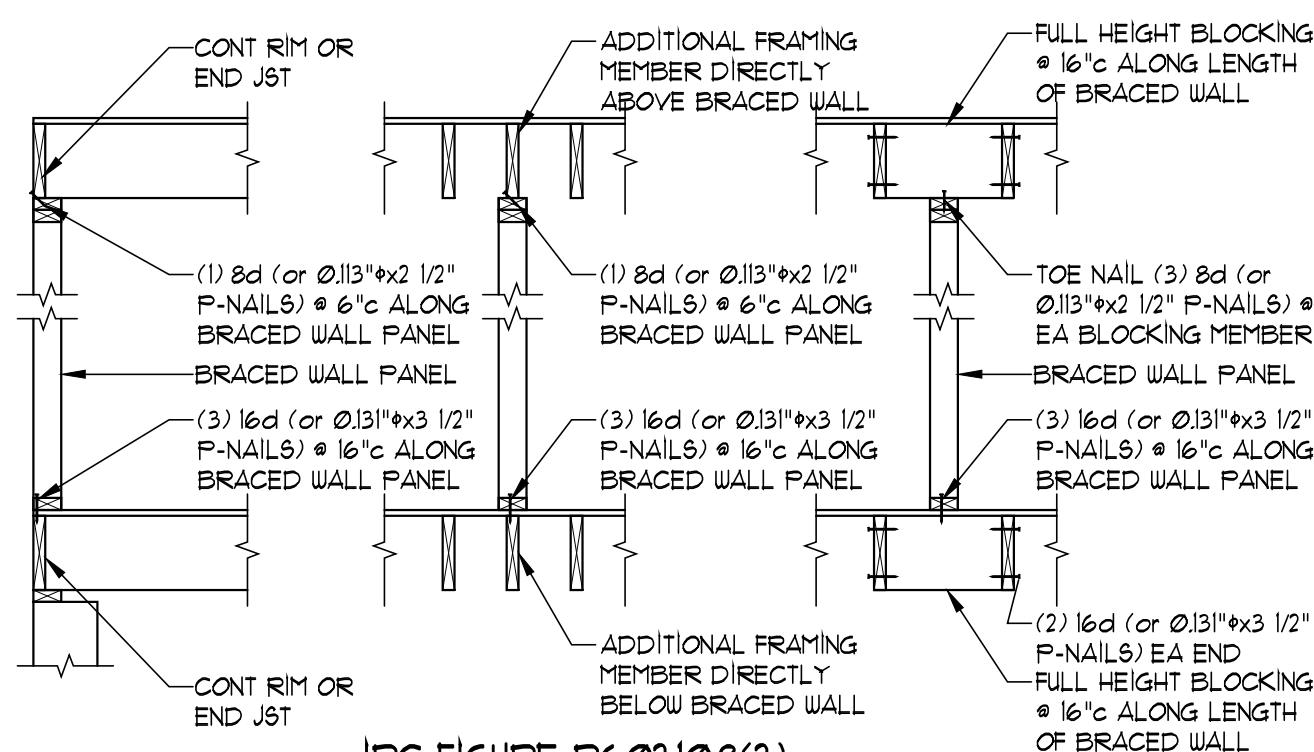
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IRC FIGURE R602.10.8(1)
BRACED WALL PANEL CONNECTION WHEN
PERPENDICULAR TO FLOOR/CEILING FRAMING



IRC FIGURE R602.10.8(2)
BRACED WALL PANEL CONNECTION WHEN
PARALLEL TO FLOOR/CEILING FRAMING

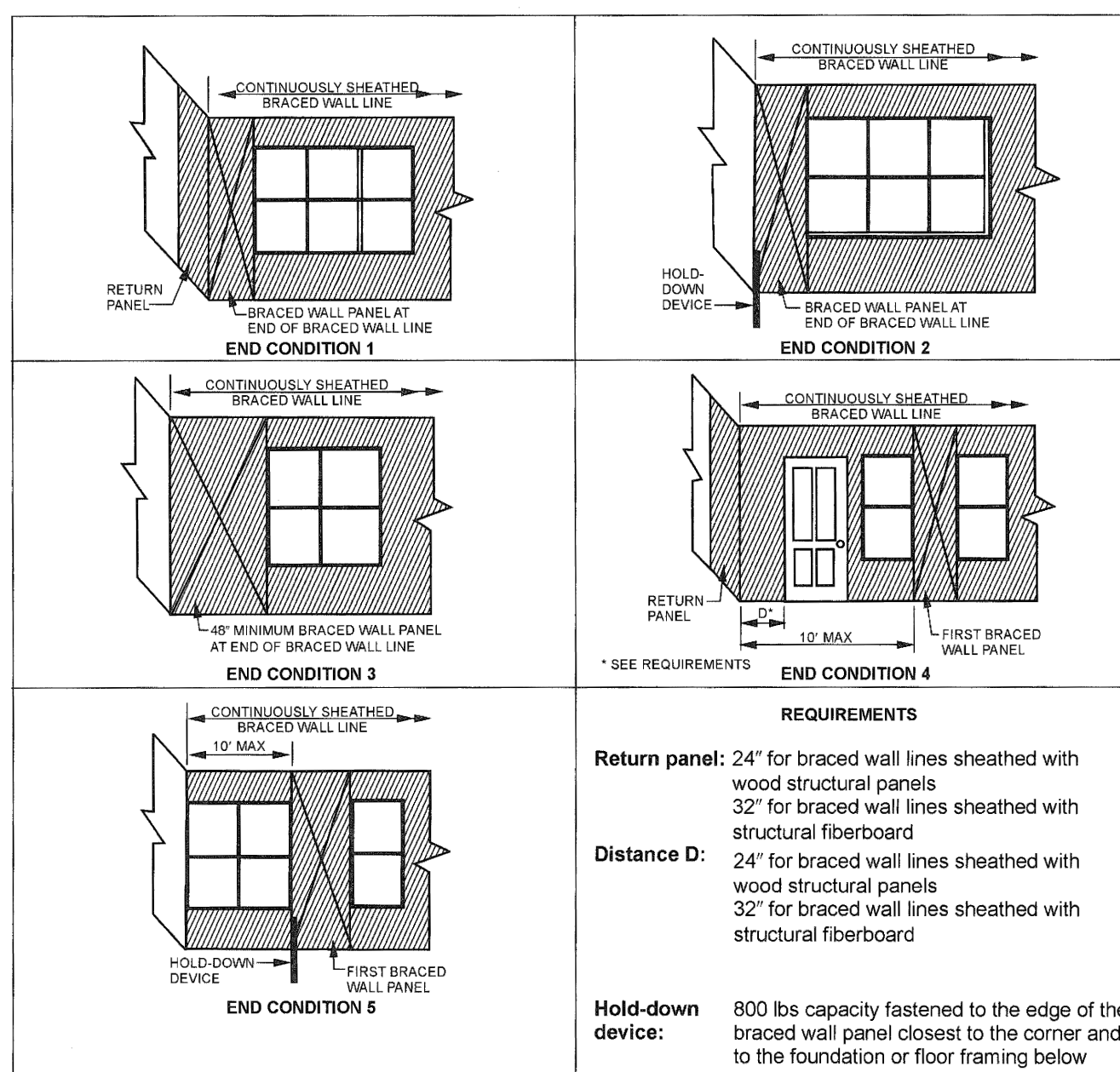
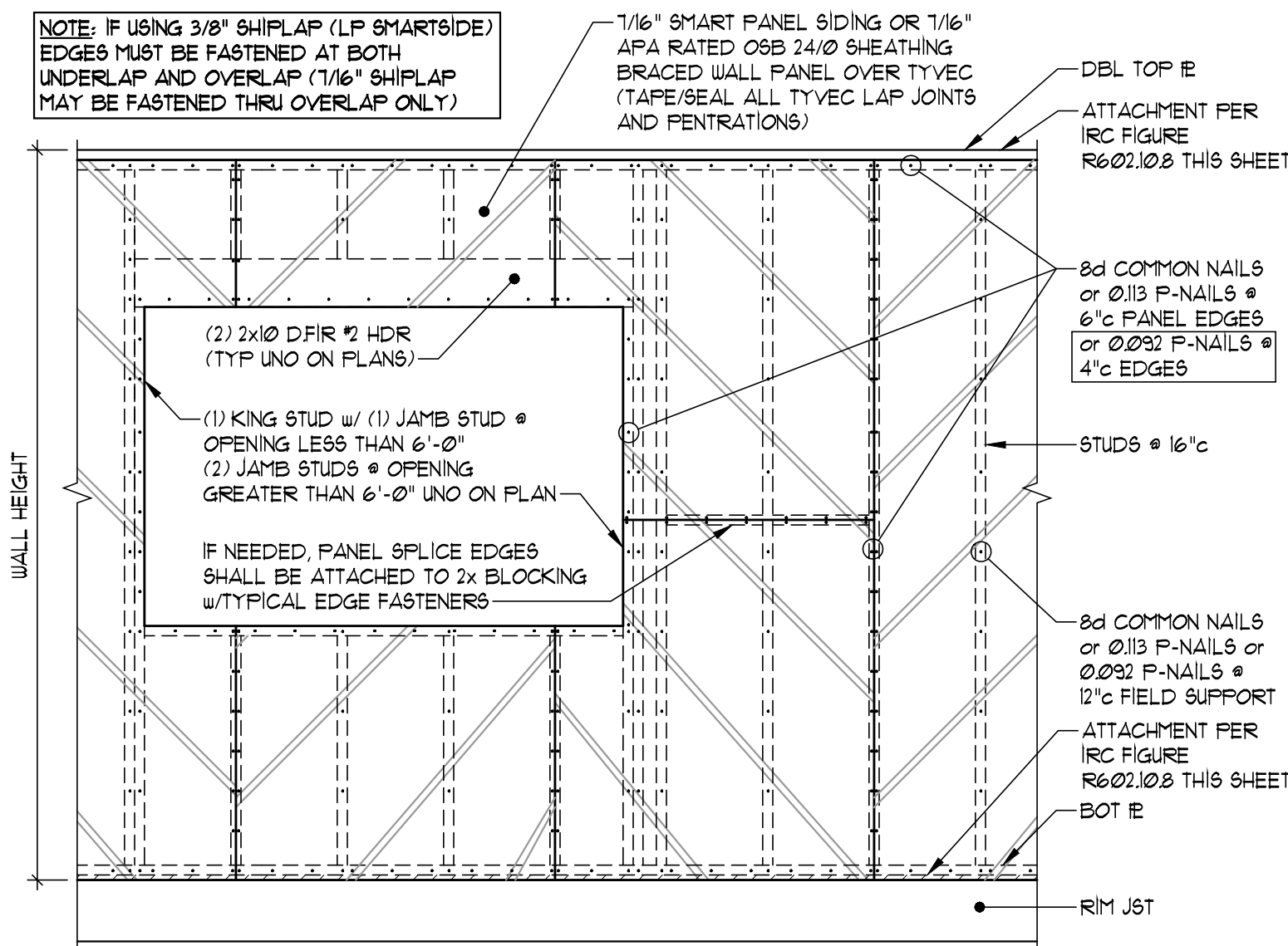


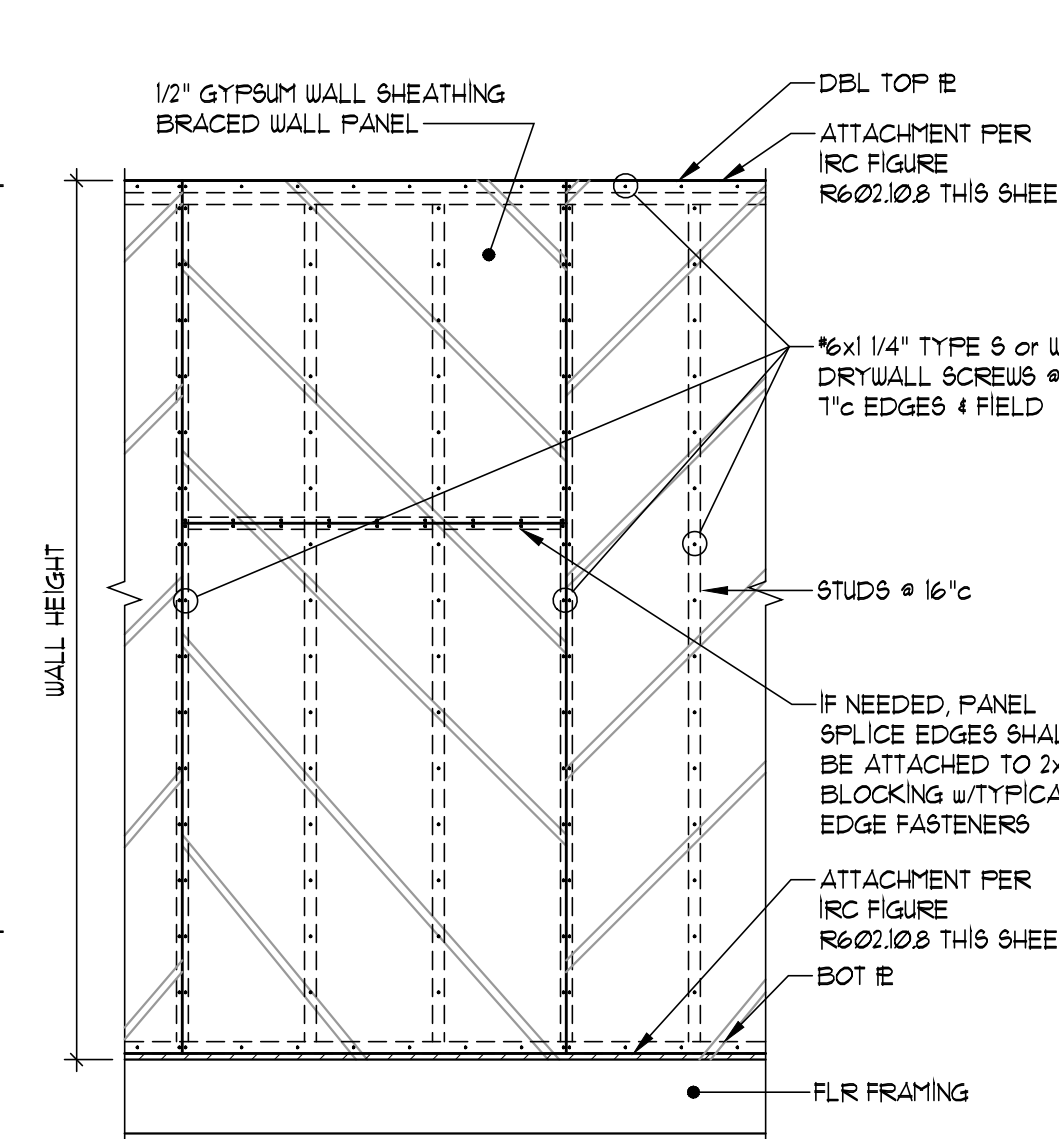
FIGURE R602.10.7
END CONDITIONS FOR BRACED WALL LINES WITH CONTINUOUS SHEATHING

TABLE R602.10.6.4
TENSION STRAP CAPACITY REQUIRE FOR RESISTING WIND PRESSURES
PERPENDICULAR TO METHOD PFH, FIG. AND CS-PF BRACED WALL PANELS

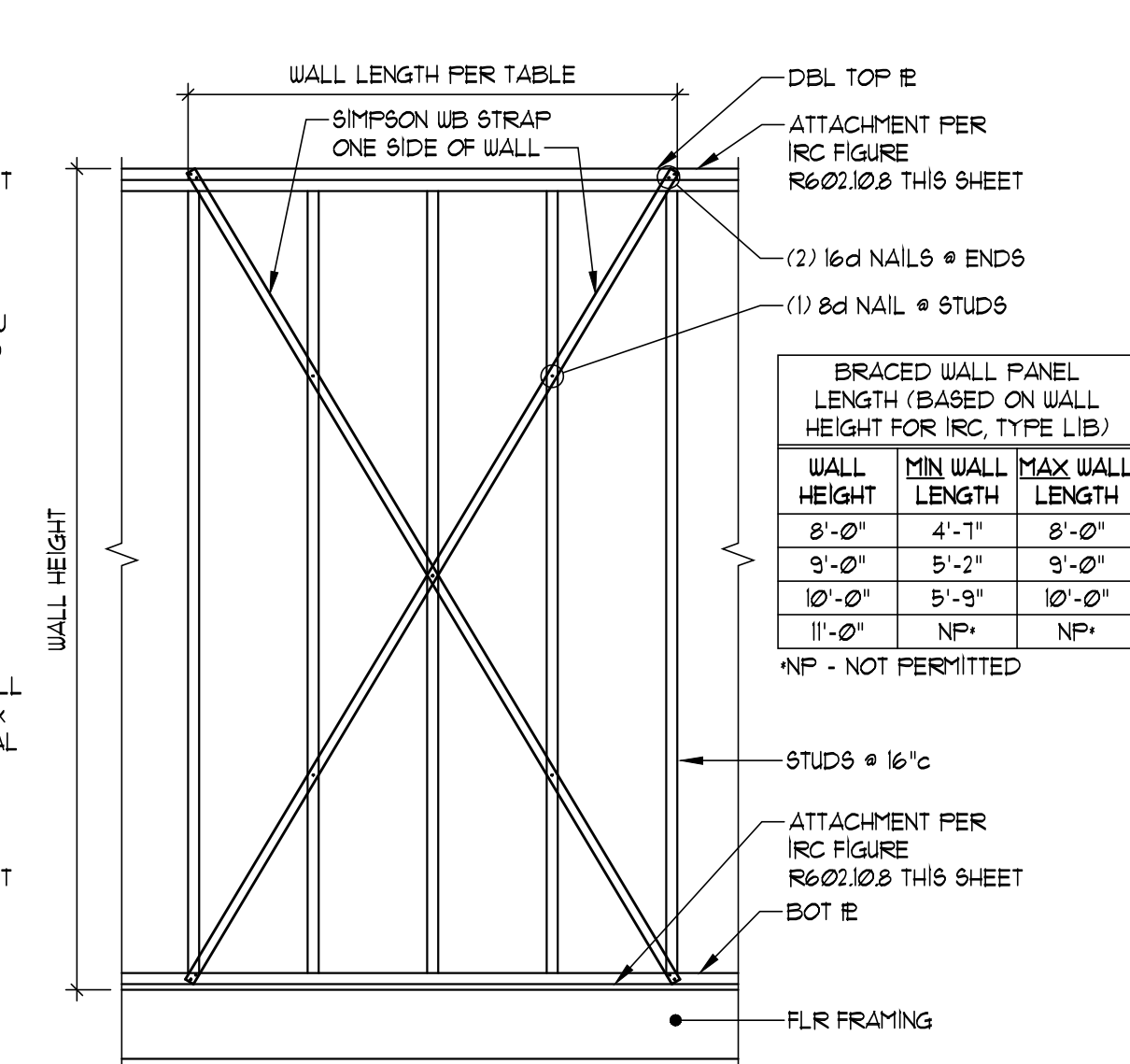
MINIMUM WALL STUD FRAMING NOMINAL SIZE AND GAGE	MAXIMUM PONY WALL HEIGHT (FEET)	MAXIMUM TOTAL WALL HEIGHT (FEET)	MAXIMUM OPENING WIDTH (FEET)	TENSION STRAP CAPACITY REQUIRED (LBS) FOR V _{ult} = 15mph	
				EXPOSURE B	EXPOSURE C
2x4 1/2 GRADE	0	10	10	1000	1000
	1	10	9	1000	1000
			16	1075	2500
			16	1215	2850
			9	1000	1875
	2	10	16	2175	4125
			16	2500	
			9	1500	3175
	2	12	16	3375	DESIGN
			16	3975	DESIGN
	4	12	9	2175	DESIGN
			12	3175	DESIGN
2x6 STUD GRADE	2	12	9	1000	2025
			16	2500	3675
			9	2550	DESIGN
			16	1750	DESIGN
	4	12	9	2400	DESIGN
			16	3800	DESIGN



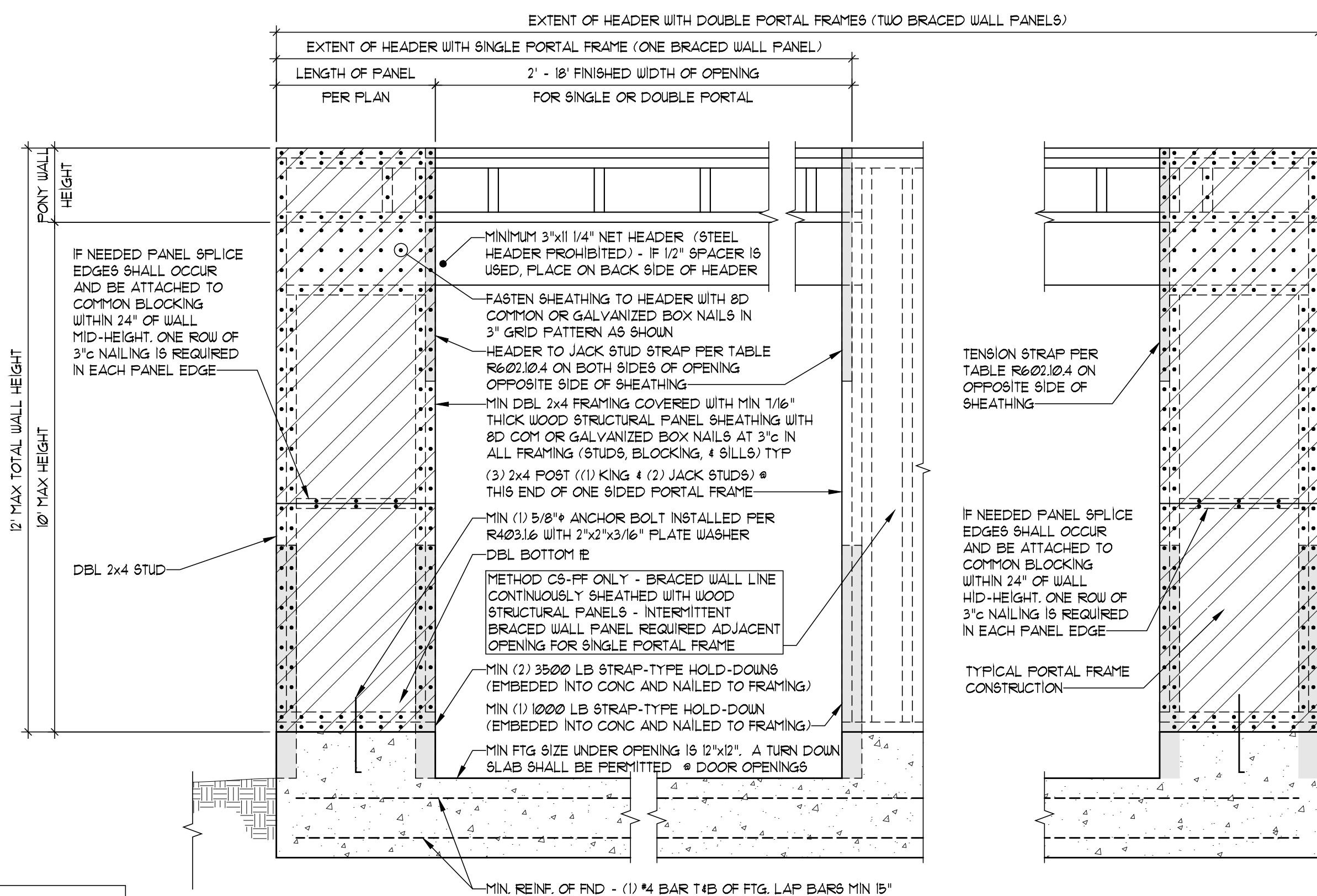
TYPICAL EXTERIOR SHEATHING
INSTALLATION (METHOD WSP & CS-WSP)
SCALE: 1/2" = 1'-0"



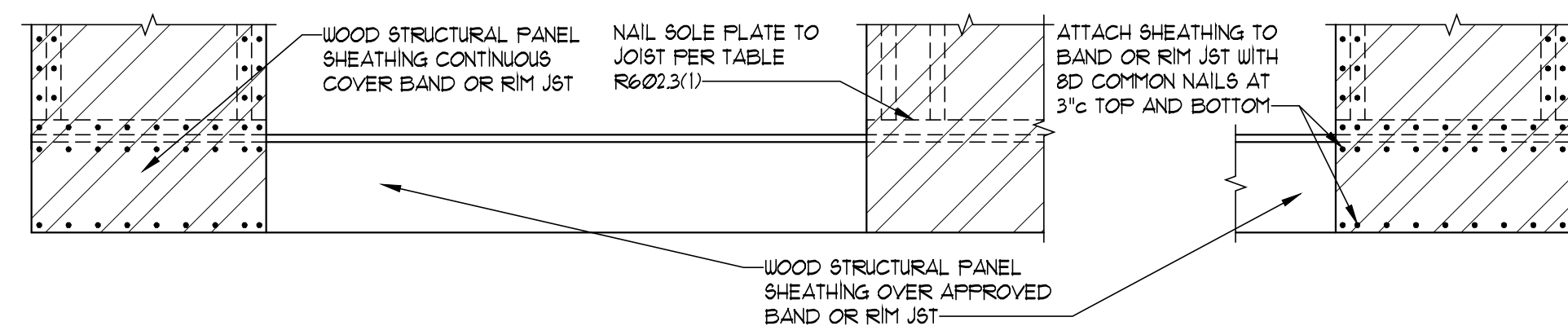
TYPICAL INTERIOR SHEATHING
INSTALLATION (METHOD GB)
SCALE: 1/2" = 1'-0"



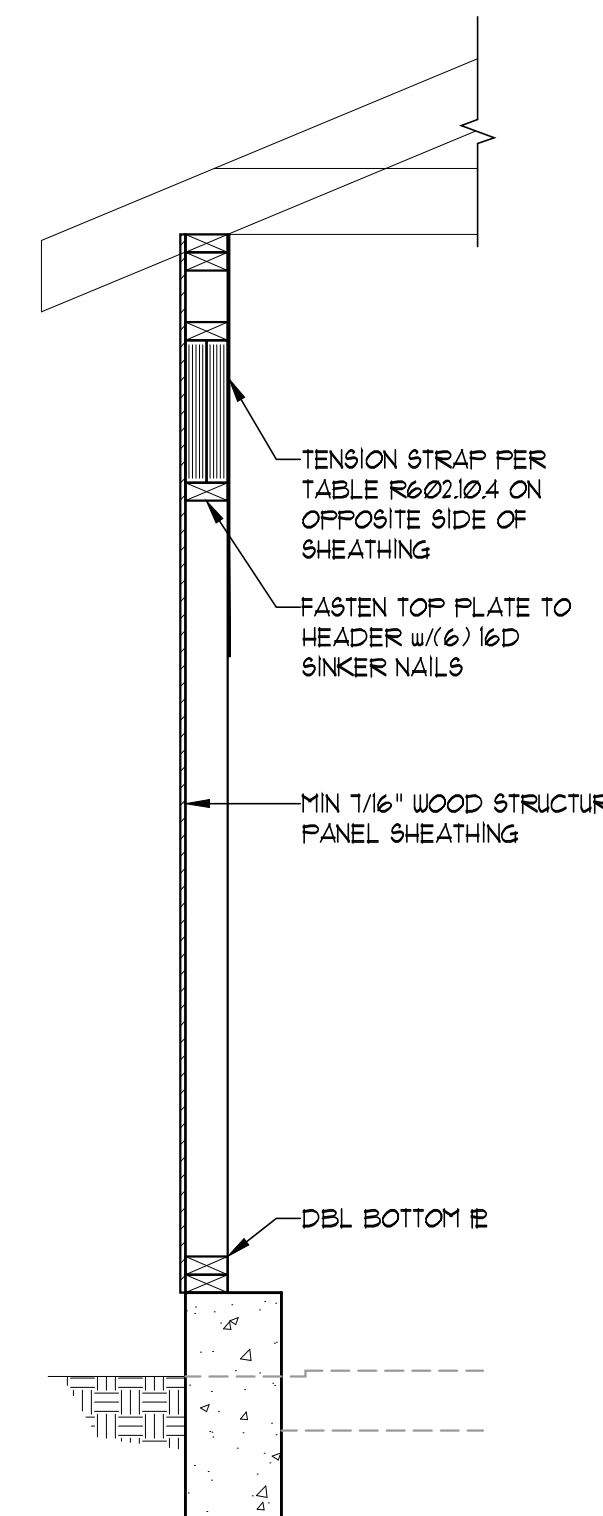
INTERIOR SHEATHING
INSTALLATION (METHOD LIB)
SCALE: 1/2" = 1'-0"



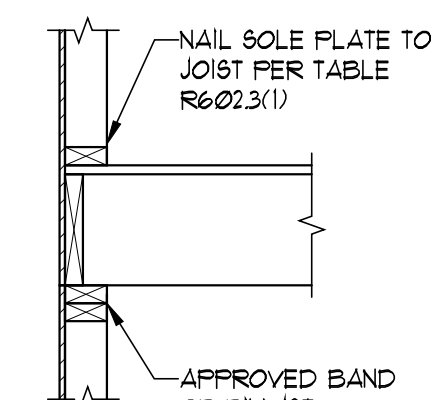
BRACED WALL METHOD "PFH" (also HEADER ATTACHMENT FOR CS-PF)
SCALE: 3/4"=1'-0"



BRACED WALL METHOD "CS-PF" (ATTACHMENT TO WOOD FLOOR)
(REFER TO BRACED WALL METHOD "PFH" FOR HEADER ATTACH)
SCALE: 3/4"=1'-0"



SECTION



SECTION



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THE MAPLEWOOD III

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Project #: 8083-XXXX

DATE:

For Permit: 8/18/2023