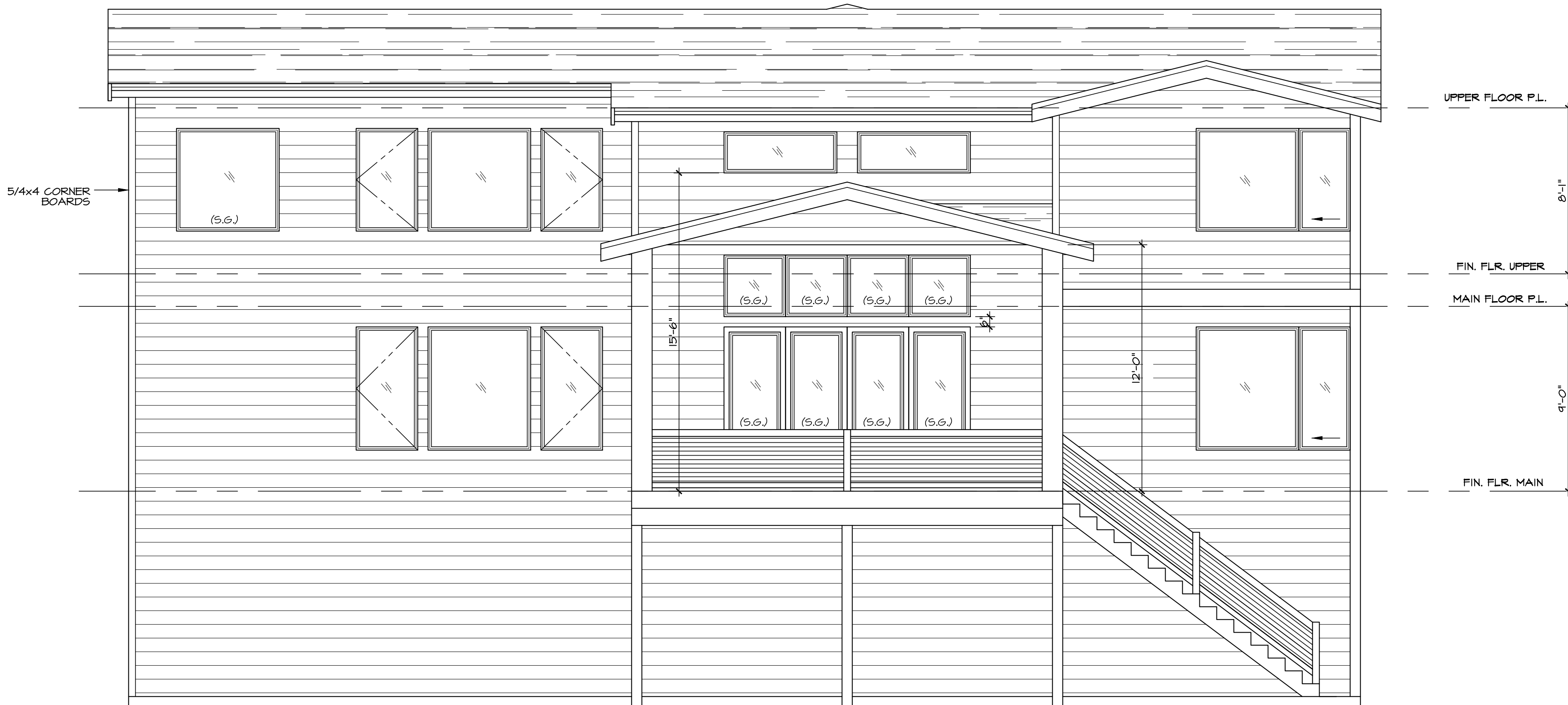


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FRONT ELEVATION

SEE GENERAL NOTES SCALE: 1/4" = 1'-0"



REAR ELEVATION

SEE GENERAL NOTES SCALE: 1/4" = 1'-0"

- NOTES:
1. ALL WOOD EXPOSED TO WEATHER SHALL BE PRESSURE TREATED, PAINTED OR CEDAR.
 2. CAULK AND SEAL ALL WINDOW/DOOR AND EXTERIOR ENVELOPE PENETRATIONS.
 3. GLAZING PER STATE ENERGY CODE.
 4. PROTECTION FROM DECAY IS REQUIRED FOR ALL WOOD SIDING AND WALL FRAMING LESS THAN 2" ABOVE CONCRETE STEPS, PORCH SLABS, PATIO SLABS, AND SIMILAR HORIZONTAL SURFACES EXPOSED TO THE WEATHER.
 5. REFER TO ALL ELEVATIONS FOR TYPICAL NOTES.
 6. S.G. = SAFETY GLASS

SQUARE FOOTAGE'S:

MAIN FLOOR	1941 S.F.
UPPER FLOOR	1969 S.F.
TOTAL	3910 S.F.
GARAGE	761 S.F.
CVRD. PORCH	52 S.F.
CVRD. DECK	267 S.F.

ADDRESS NOTE:
ADDRESS NUMBERS SHALL BE A MINIMUM 4" HIGH WITH A MINIMUM STROKE WIDTH OF 1/2" AND TO BE ON A CONTRASTING BACKGROUND PER IRC 319.1



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BRIER, WA

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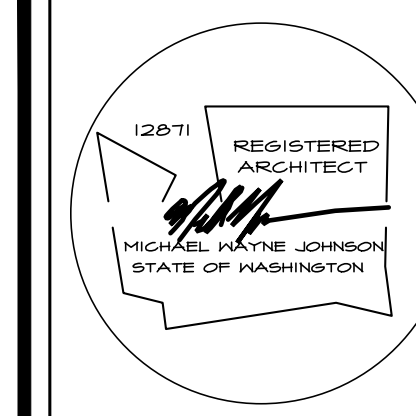
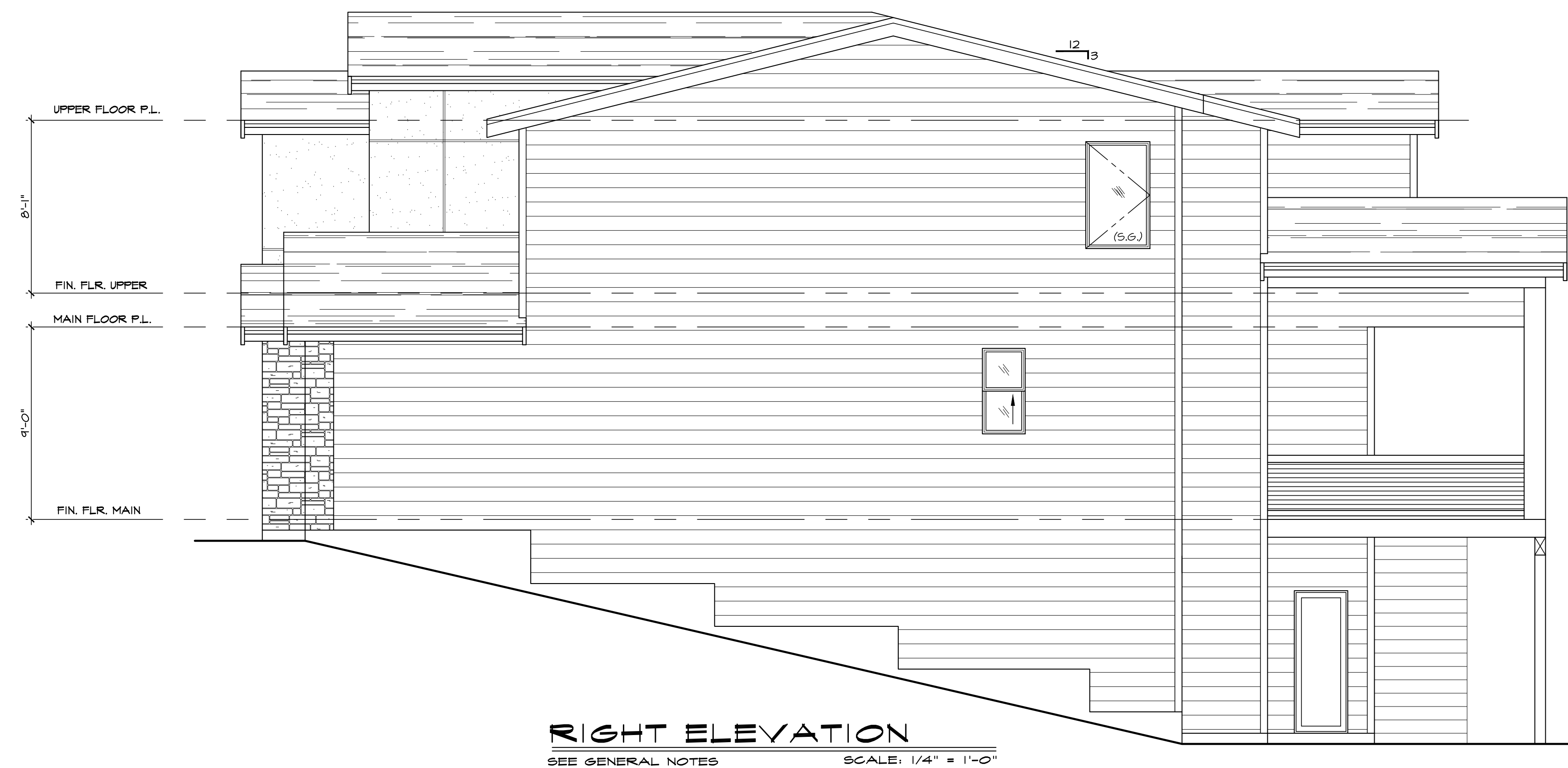
date: 7-26-23
permit:
revisions:

drawn by: LMD
checked by: MWJ

SHEET

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A8

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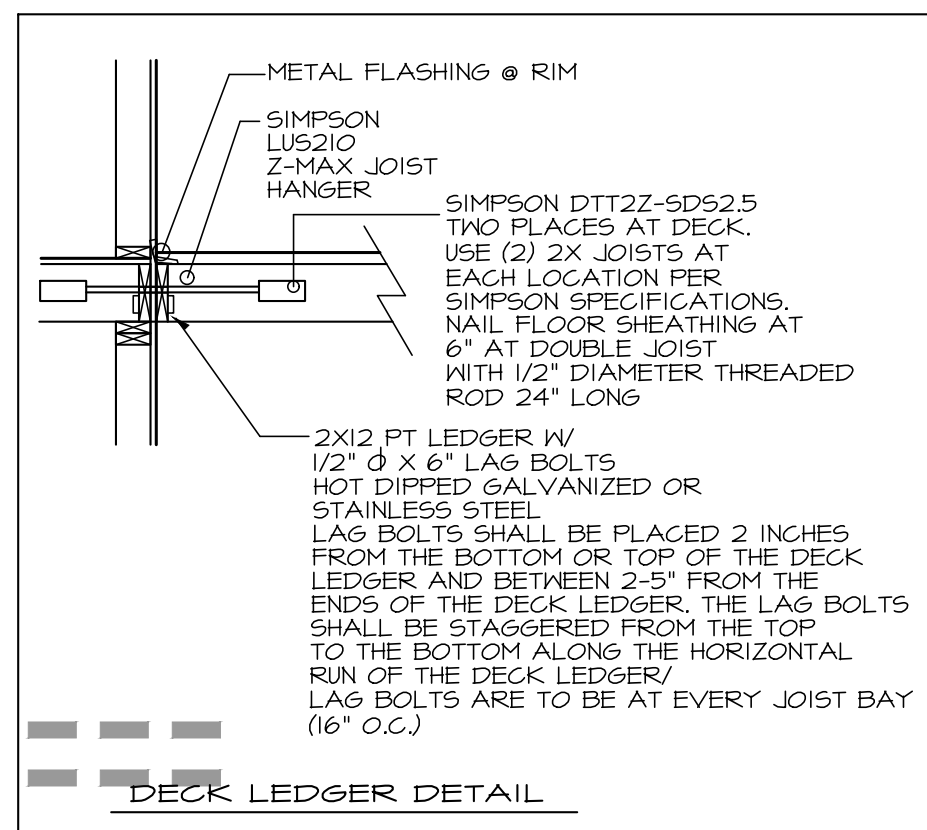
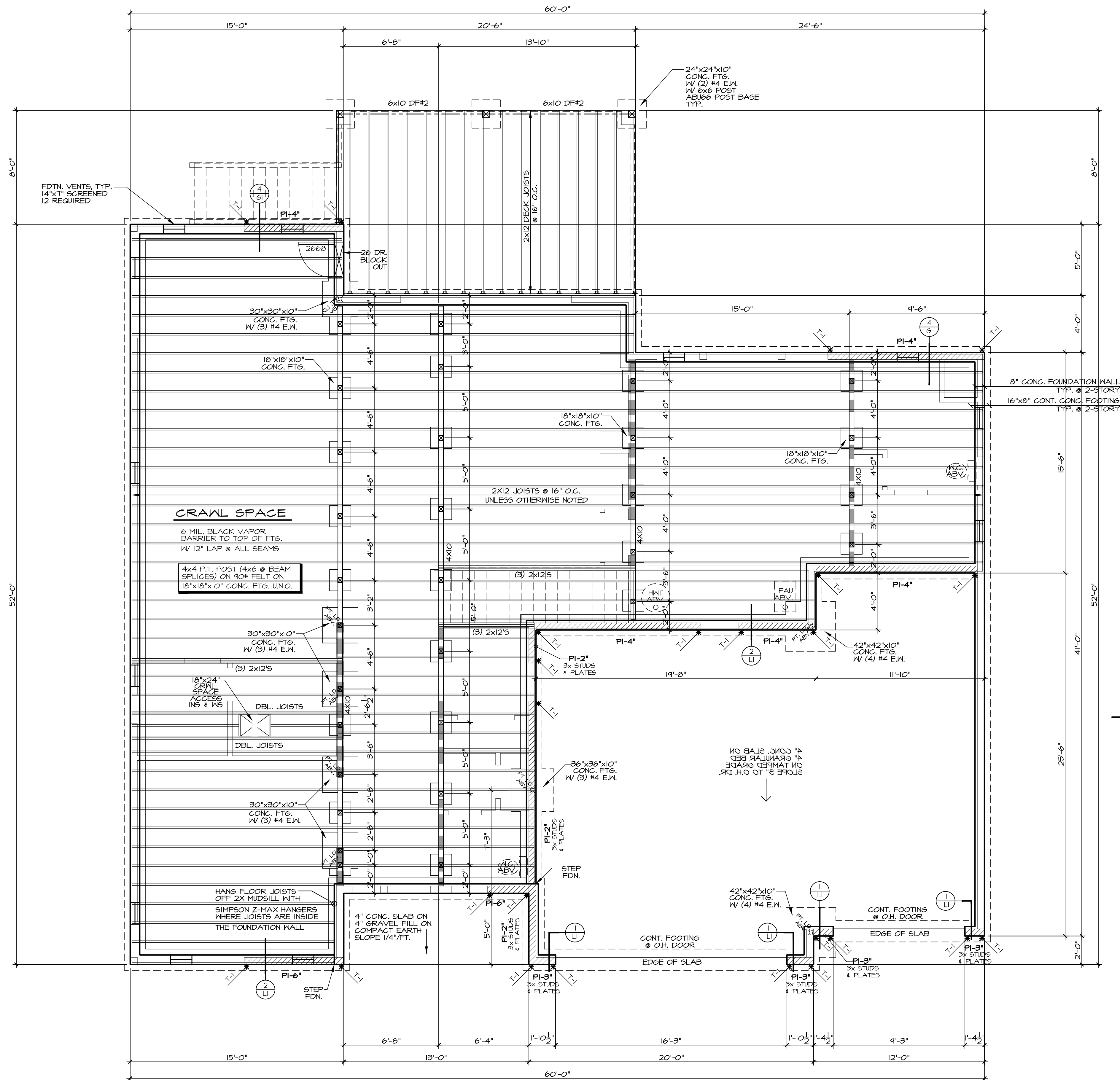
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SHEET

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SHEAR NOTE:
1. BX MATERIAL CAN BE USED FOR ALL MUDSILLS.
2. SET A DOUBLE 2X STUD BEHIND EVERY STHD14 HOLDDOWN CALLED OUT ON THE FOUNDATION PLAN. SET HOLDDOWN 1/2\"/>

NOTES:
ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED OR CEDAR.
PROVIDE CRAWL DRAIN @ LOW POINT IN CRAWLSPACE.
SOLID BLOCKING UNDER ALL BEARING WALLS.
SLOPE ALL CONC. SToops AND/OR PATIOS 1/4\"/>

FOUNDATION VENT CALCULATION
1941 SQUARE FEET = 6.47
300 = .57
(12) VENTS REQUIRED

***** SHEAR NOTE:**
SEE SHEET L1 FOR SHEAR WALL NAILING SCHEDULE, & DETAILS.

HOLDDOWN SCHEDULE				
MARK	HOLDDOWN/STRAP	FASTENERS	WOOD MEMBER THICKNESS/SPECIES	ANCHOR REQUIRED
T-1	STHD14/14 RJ	24-16d SINKERS	(2) 2X4/2X6 STUDS HF/SPF	
T-2	MST4B	(34)-16d	(2) 2X4/2X6 STUDS HF/SPF	
T-3	MSTC48B3	(38)-10d	(2) 2X4/2X6 STUDS HF/SPF	
T-4	MSTC66B3Z	(38)-10d	(2) 2X4/2X6 STUDS HF/SPF	
T-5	HD7B	(3)- 3/4"	3-1/2" MIN. DF/SP	SSTB28 (7/8") MIN. 24-7/8" EMBEDMENT

FOUNDATION PLAN

SEE GENERAL NOTES

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

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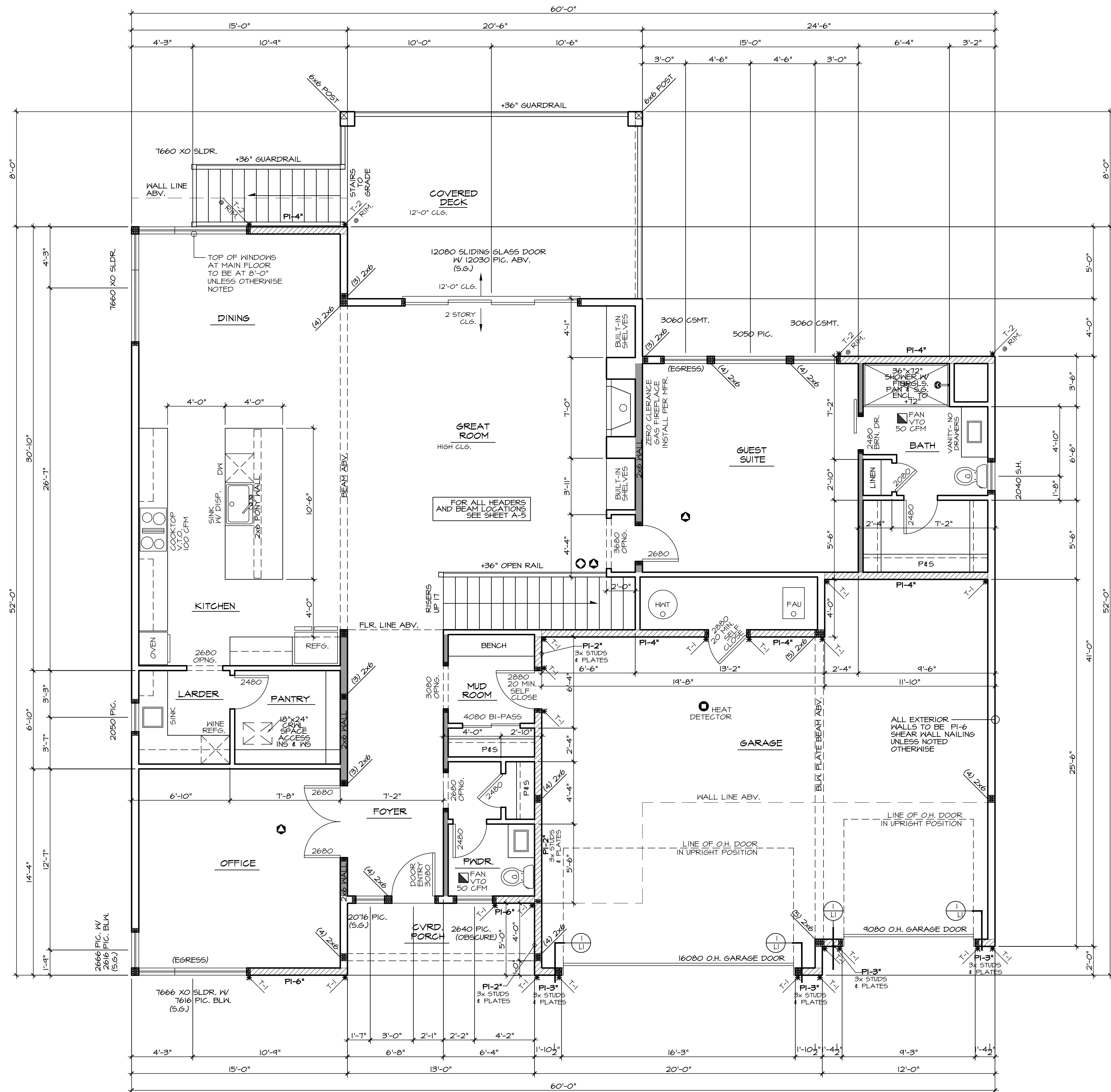
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SHEET
A4
OF
A8



NOTES:

- ALL EXTERIOR WARM WALLS TO BE 2" X 6 STUDS @ 16" O.C. TYPICAL.
- ALL INTERIOR WALLS TO BE 2" X 4 STUDS @ 24" O.C. TYPICAL.
- ALL HEADERS TO BE 4X10 DF#2 UNLESS NOTED OTHERWISE.
- FUR-OUT HEADERS TO MATCH 2" X 6 WALLS.
- SOLID BLOCKING UNDER ALL BEARING WALLS.
- TUB/SHOWER UNITS SHALL HAVE FIRE BLOCKING BETWEEN WALL STUDS AND WATERPROOF SURROUNDS TO 12" FROM DRAIN. GLAZING, INCLUDING WINDOWS WITHIN 42" OF DRAIN, SHALL BE SAFETY GLASS. SHOWER FLOW IS LIMITED TO 1.75 GAL/MIN.
- EXHAUST FANS LARGER THAN 30CFM MAY BE CONNECTED TO 4" SMOOTH WALL VENT PIPE IF RUNS DO NOT EXCEED 20' IN LENGTH. THE MINIMUM SIZE OF FLEX DUCT IS 5" DIAMETER WITH A MAXIMUM RUN OF 15'.
- COMBUSTION AIR REQUIRED FOR ALL FUEL BURNING APPLIANCES.

LEGEND:

- BEARING WALL
- BEARING ABOVE
- FLOOR LINE ABOVE
- PT. LD. ABV. X
- MULTIPLE 2X STUDS & POINT LOAD
- SMOKE DETECTOR 100V INTERCONNECTED W/ BATTERY BACK-UP, PER IRC 314
- CARBON MONOXIDE DETECTOR PER IRC 315
- HEAT DETECTOR

GARAGE NOTES:

1. GARAGE/LIVING SEPARATION USE 5/8" TYPE 'X' GIB AT CEILING/WALL WRAP POSTS AND BEAMS.
2. INSULATE ALL WARM WALLS AND CEILING.

FIREPLACE NOTE:

- 0' CLEARANCE FIREPLACE W/ DIRECT VENT
- FACTORY BUILT FIREPLACE SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND SHALL HAVE APPROVAL LABEL ATTACHED
- 5/8" TYPE 'X' GIB TO ROOF SHEATHING
- FIREPLACES & STOVES MUST BE D.O.E. APPROVED & BE TESTED, CERTIFIED & LABELED AS SUITABLE FOR USE DURING A FIRST STAGE BURN BAN.

***** SHEAR NOTE:**

SEE SHEET L1 FOR SHEAR WALL NAILING SCHEDULE, & DETAILS.

HOLDDOWN SCHEDULE

MARK	HOLDDOWN/STRAP	FASTENERS	WOOD MEMBER THICKNESS/SPECIES	REQUIRED
T-1	STHD14/14 RJ	24-16d SINKERS	(2) 2X4/2X6 STUDS HF/SPF	
T-2	MST4B	(34)-16d	(2) 2X4/2X6 STUDS HF/SPF	
T-3	MSTC4B3	(3B)-10d	(2) 2X4/2X6 STUDS HF/SPF	
T-4	MSTC6B3Z	(3B)-10d	(2) 2X4/2X6 STUDS HF/SPF	
T-5	HD7B	(3)- 3/4"	3-1/2" MIN. DF/SP	SSTB2B (7/8") MIN. 24-7/8" EMBEDMENT

MAIN FLOOR PLAN

SEE GENERAL NOTES

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

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NOTES:

ALL EXTERIOR WARM WALLS TO BE 2" X 6" STUDS @ 16" O.C. TYPICAL.
ALL INTERIOR WALLS TO BE 2" X 4" STUDS @ 24" O.C. TYPICAL.
ALL HEADERS TO BE 4X10 DF#2 UNLESS NOTED OTHERWISE.

FUR-OUT HEADERS TO MATCH 2" X 6" WALLS.
SOLID BLOCKING UNDER ALL BEARING WALLS.

TUB/SHOWER UNITS SHALL HAVE FIRE BLOCKING BETWEEN WALL STUDS AND WATERPROOF SURROUNDS TO +T2 FROM DRAIN. GLAZING, INCLUDING WINDOWS WITHIN +T2 OF DRAIN, SHALL BE SAFETY GLASS. SHOWER FLOW IS LIMITED TO 1.75 GAL/MIN.

EXHAUST FANS LARGER THAN 50CFM MAY BE CONNECTED TO 4" SMOOTH WALL VENT PIPE IF RUNS DO NOT EXCEED 20' IN LENGTH. THE MINIMUM SIZE OF DUCT IS 5" DIAMETER WITH A MAXIMUM RUN OF 15'.

COMBUSTION AIR REQUIRED FOR ALL FUEL-BURNING APPLIANCES.

LEGEND:

BEARING WALL

BEARING ABOVE

FLOOR LINE ABOVE

POINT LOAD ABOVE

MULTIPLE 2x STUDS @ POINT LOAD

SMOKE DETECTOR IICV INTERCONNECTED W/ BATTERY BACK-UP. PER IRC 314

CARBON MONOXIDE DETECTOR PER IRC 315

GARAGE NOTES:

1. GARAGE/LIVING SEPARATION USE 5/8" TYPE 'X' GWB AT CEILING/WALL WRAP POSTS AND BEAMS.

2. INSULATE ALL WARM WALLS AND CEILING.

FIREPLACE NOTE:

0' CLEARANCE FIREPLACE W/ DIRECT VENT

FACTORY BUILT FIREPLACE SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND SHALL HAVE APPROVAL LABEL ATTACHED

5/8" TYPE 'X' GWB TO ROOF SHEATHING

FIREPLACES & STOVES MUST BE D.O.E. APPROVED & BE TESTED, CERTIFIED & LABELED AS SUITABLE FOR USE DURING A FIRST STAGE BURN BAN.

***** SHEAR NOTE:**

SEE SHEET L1 FOR SHEAR WALL NAILING SCHEDULE, & DETAILS.

VERIFY DRAIN LOCATIONS FOR PLUMBING SELECTED- ADD TRUSS AND OFFSET LAYOUT TO MISS DRAINS IF NEEDED

FRAME 2x6 PONY WALL OVR. BM. UP TO GVRD. DECK PLATE HEIGHT
5/2"x10" 24F-V4 GLB SET BTM. OF BM. FLUSH W/ BTM. OF FLR. TRUSSES FB-2

2x8 JOISTS @ 16" O.C. FOR PLANT SHELF

2x8 JOISTS @ 16" O.C. FOR PLANT SHELF

10" FLOOR TRUSSES @ 24" O.C. UNLESS OTHERWISE NOTED

8 3/4"x18" 24F-V4 GLB TOP FLUSH GB-1

8 3/4"x18" 24F-V4 GLB TOP FLUSH GB-2

5 1/2"x12" 24F-V4 GLB 20'-0" LONG GB-4

3 1/2"x12" 24F-V4 GLB 12'-0" LONG

6 3/4"x24" 24F-V4 GLB BSA PLATE GB-3

4x10 DF#2

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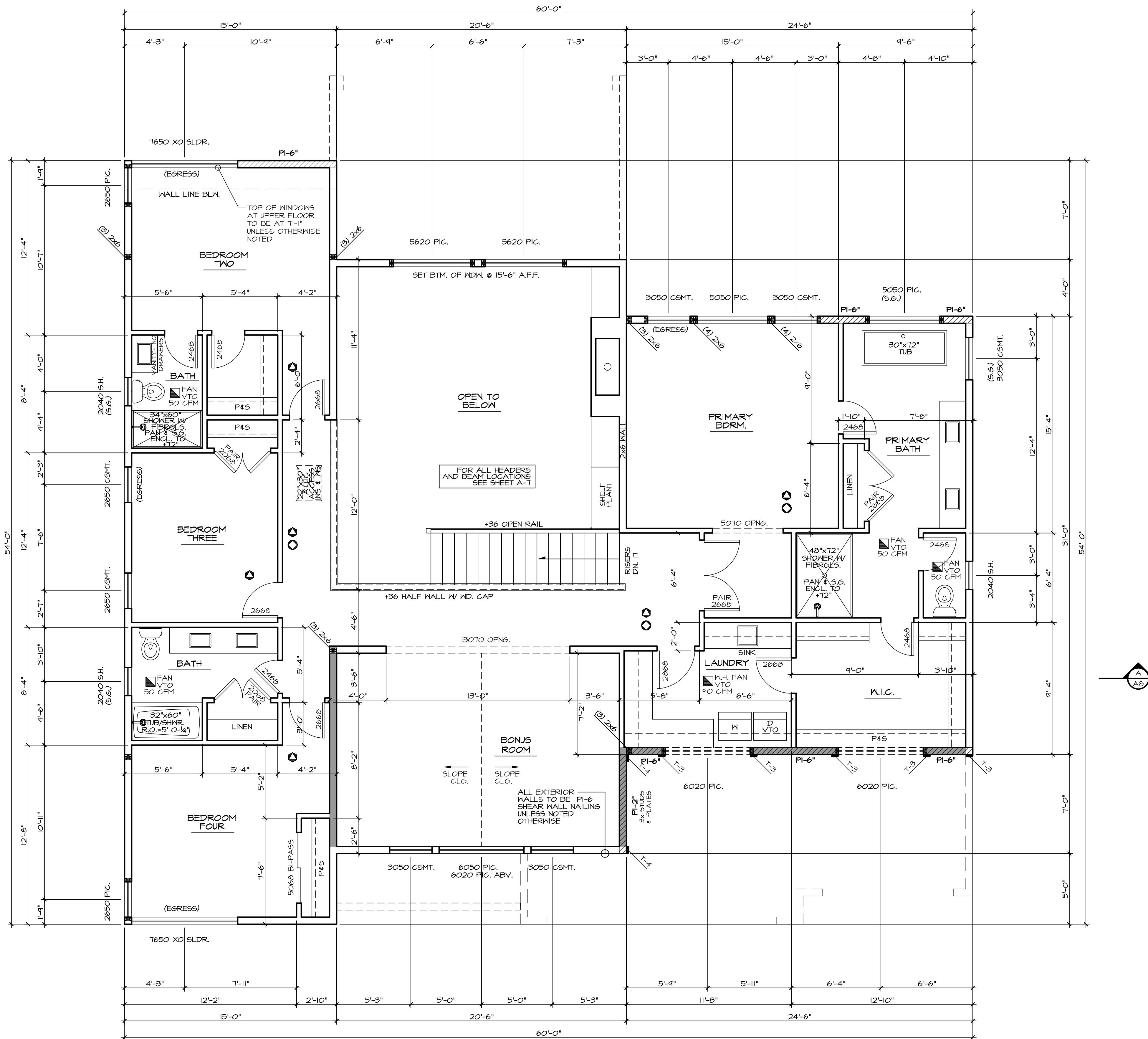
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SHEET

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A8



NOTES:

- ALL EXTERIOR WARM WALLS TO BE 2 X 6 STUDS @ 16" O.C. TYPICAL.
- ALL INTERIOR WALLS TO BE 2 X 4 STUDS @ 24" O.C. TYPICAL.
- ALL HEADERS TO BE 4X10 DF#2 UNLESS NOTED OTHERWISE.
- FUR-OUT HEADERS TO MATCH 2 X 6 WALLS.
- SOLID BLOCKING UNDER ALL BEARING WALLS.
- TUB/SHOWER UNITS SHALL HAVE FIRE BLOCKING BETWEEN WALL STUDS AND WATERPROOF SURROUNDS TO 72" FROM DRAIN. GLAZING, INCLUDING WINDOWS WITHIN 72" OF DRAIN, SHALL BE SAFETY GLASS. SHOWER FLOW IS LIMITED TO 1.75 GAL/MIN.
- EXHAUST FANS LARGER THAN 50CFM MAY BE CONNECTED TO 4" SMOOTH WALL VENT PIPE IF RUNS DO NOT EXCEED 20' IN LENGTH. THE MINIMUM SIZE OF DUCT IS 5" DIAMETER WITH A MAXIMUM RUN OF 15'.
- COMBUSTION AIR REQUIRED FOR ALL FUEL BURNING APPLIANCES.

LEGEND:

- BEARING WALL
- BEARING ABOVE
- FLOOR LINE ABOVE
- POINT LOAD ABOVE
- MULTIPLE 2x STUDS & POINT LOAD
- SMOKE DETECTOR
- INTERCONNECTED W/ BATTERY BACK-UP, PER IRC 314
- CARBON MONOXIDE DETECTOR PER IRC 315

GARAGE NOTES:

1. GARAGE/LIVING SEPARATION USE 5/8" TYPE 'X' GIB AT CEILING/WALL WRAP POSTS AND BEAMS.
2. INSULATE ALL WARM WALLS AND CEILING.

FIREPLACE NOTE:

- 0' CLEARANCE FIREPLACE W/ DIRECT VENT
- FACTORY BUILT FIREPLACE SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND SHALL HAVE APPROVAL LABEL ATTACHED
- 5/8" TYPE 'X' GIB TO ROOF SHEATHING
- FIREPLACES & STOVES MUST BE D.O.E. APPROVED & BE TESTED, CERTIFIED & LABELED AS SUITABLE FOR USE DURING A FIRST STAGE BURN BAN.

*** SHEAR NOTE:

SEE SHEET L1 FOR SHEAR WALL NAILING SCHEDULE, & DETAILS.

HOLDDOWN SCHEDULE

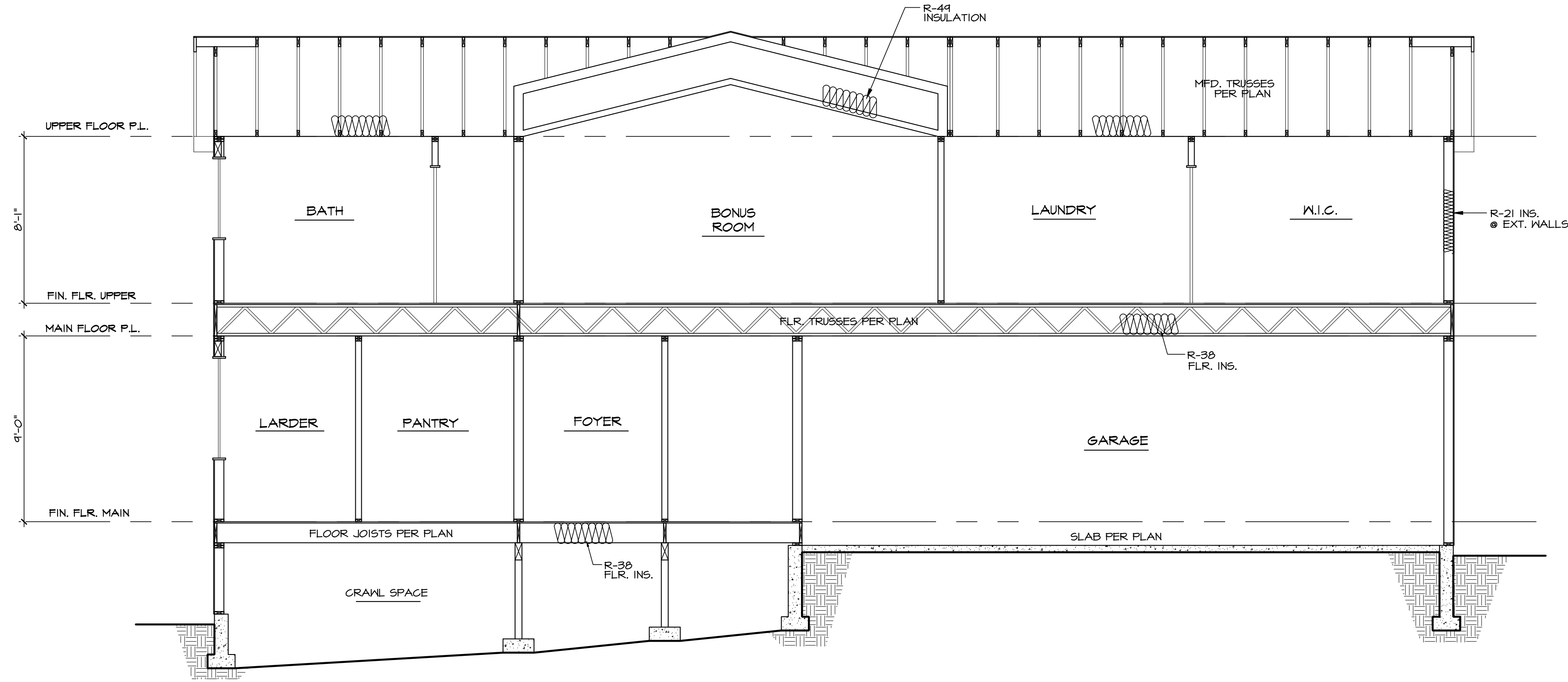
MARK	HOLDDOWN/STRAP	FASTENERS	WOOD MEMBER THICKNESS/SPECIES	REQUIRED
T-1	STHD14/14 RJ	24-16d SINKERS	(2) 2X4/2X6 STUDS HF/SPF	
T-2	MST4B	(34)-16d	(2) 2X4/2X6 STUDS HF/SPF	
T-3	MSTC4B3	(3B)-10d	(2) 2X4/2X6 STUDS HF/SPF	
T-4	MSTC6B3Z	(3B)-10d	(2) 2X4/2X6 STUDS HF/SPF	
T-5	HD7B	(3)- 3/4"	3-1/2" MIN. DF/SP	SSTB2B (1/8") MIN. 24-7/8" EMBEDMENT

UPPER FLOOR PLAN

SEE GENERAL NOTES

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

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SECTION A
SEE GENERAL NOTES SCALE: 1/4" = 1'-0"

2018 WASHINGTON STATE ENERGY CODE

CLIMATE ZONE 5 AND MARINE 4

FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAMED WALL R-VALUE	FLOOR R-VALUE	BELOW GRADE WALL R-VALUE	SLAB R-VALUE AND DEPTH
0.28	0.50	NR	R-44 (R-38 VAULTED)	R-21	R-38	10/15 R-21 +TB	R-10, 2 FEET

*TABLE 406.3- ENERGY CREDITS (SINGLE FAMILY)

THIS PLAN REQUIRES 6 CREDITS SINCE IT IS OVER 1500 SQUARE FEET AND UNDER 5000 SQUARE FEET

OPTION	CREDIT
HEATING OPTION 2 HEAT PUMP (ELECTRIC)	1.0
ENERGY OPTION 1.3 PRESCRIPTIVE COMPLIANCE IS BASED ON TABLE R402.1.1 WITH THE FOLLOWING MODIFICATIONS: VERTICAL FENESTRATION U=0.28 FLOOR R-38 SLAB ON GRADE R-10 PERIMETER AND UNDER ENTIRE SLAB BELOW GRADE R-10 PERIMETER AND UNDER ENTIRE SLAB OR COMPLIANCE BASED ON SECTION R402.1.4; REDUCE THE TOTAL CONDUCTIVE UA BY 5%	.5
ENERGY OPTION 3.5 AIR-SOURCE CENTRALLY DUCTED HEAT PUMP WITH A MINIMUM HSPF OF 11.0	1.5
ENERGY OPTION 4.2 HVAC EQUIPMENT AND ASSOCIATED DUCT SYSTEM(S) INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF SECTION R403.3.7. LOCATING SYSTEM COMPONENTS IN CONDITIONED CRAWLSPACES IS NOT PERMITTED UNDER THIS OPTION. ELECTRIC RESISTANCE HEAT AND DUCTLESS HEAT PUMPS ARE NOT PERMITTED UNDER THIS OPTION. DIRECT COMBUSTION HEATING WITH AFUE LESS THAN 80% IS NOT PERMITTED UNDER THIS OPTION.	1.0
ENERGY OPTION 5.5 WATER HEATING SYSTEM SHALL INCLUDE THE FOLLOWING: ELECTRIC HEAT PUMP WATER HEATER MEETING THE STANDARDS FOR TIER III OF NEEA'S ADVANCED WATER HEATING SPECIFICATION	2.0
TOTAL	6.0 CREDITS



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PHILIPS RIDGE
PLAN 3910
BRIER, WA

Project:

date: 7-26-23
permit:
revisions:

drawn by: LMD
checked by: MWJ

SHEET

A8
OF
A8

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SHEAR WALL SCHEDULE PER 2018 IBC

GENERAL NOTES:

SEE PLANS TO DETERMINE THE DIFFERENT DESIGNATORS FOR SHEAR WALL MATERIALS, NAILING, ANCHOR BOLTS, AND HOLDOWNS. LOCATE HOLDOWNS AS CLOSE AS POSSIBLE TO THE END OF THE DESIGNATED WALL.
ALL HOLDOWNS, ANCHOR BOLTS, WASHERS, & NAILS IN CONTACT WITH P.T. WOOD TO BE HOT DIPPED GALVANIZED.

MARK	7/16" PLYND.	NAIL SPACING EDGES FIELD	AS5		BLKG. REQ'D.	SILL PLATE ANCHOR BOLTS	OPTIONAL SIMPSON MASAP ANCHORS	BASE PLATE NAILING	HEM FIR #2 VALUE (W/LF)
			TOP & BTM. ANCHORS	PLATES					
PI-6*	8d	6" 12"	6"	18" O.C.	2x4	5/8" @ 48"	@ 48" & ENDS	(2) 16d @ 10"	240
PI-4*	8d	4" 12"	4"	16" O.C.	2x4	5/8" @ 32"	@ 30" & ENDS	(2) 16d @ 7"	344
PI-3**	8d	3" 12"	3"	14" O.C.	(2) 2x4/6	5/8" @ 24"	@ 24" & ENDS	(2) 16d @ 5"	450
PI-2**	8d	2" 12"	2"	12" O.C.	(2) 2x4/6	3/4" @ 24"	@ 18" & ENDS	(2) 16d @ 5"	585
P2-6**	8d	6" 12"	6"	10" O.C.	(2) 2x4/6	5/8" @ 24"	N/A	(2) 16d @ 5"	480
P2-4**	8d	4" 12"	4"	8" O.C.	(2) 2x4/6	3/4" @ 20"	N/A	(3) 16d @ 5"	700
P2-3**	8d	3" 12"	3"	8" O.C.	(2) 2x4/6	3/4" @ 16"	N/A	(4) 16d @ 5"	900
P2-2**	8d	2" 12"	2"	8" O.C.	(2) 2x4/6	3/4" @ 12"	N/A	(4) 16d @ 4"	1170

*NOTE: WALLS WITH UNIT SHEAR OF 950#/ft. OR GREATER SHALL HAVE FRAMING MEMBERS (STUDS & PLATES) ABUTTING PANELS NOT LESS THAN 3X MEMBERS OR (2) 2X MEMBERS PER IBC 2018 AND SDPWS-2018.

PER SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC, CHAPTER 4.3.11 #4 EXPECTATION; (2) 2X MEMBERS ARE OK IN LIEU OF 3X MEMBERS.

STITCH NAIL DOUBLE STUDS AND PLATES TOGETHER WITH 16d NAILS @ 12" O.C. STAGGERED ON THE STUD FACE.

- USE POWER-DRIVEN STEEL STUDS AND NAILS BY HILTY OR RAMSET WHERE APPLICABLE.
- PLYWOOD MAY BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY.
- SOLID BLOCK WITH JOIST UNDER INTERIOR SHEAR WALLS.

SHEAR WALL NOTES

7/16" OSB OR PLYWOOD SHEATHING - USE 8d COMMON OR GALVANIZED NAILS. BLOCK ALL PANEL EDGES. LONG DIMENSIONS OF PLYWOOD MAY BE INSTALLED VERTICALLY. NAIL @ 12" O.C. TO ALL INTERMEDIATE STUDS. WHERE 3" NAIL SPACING IS SPECIFIED AT PANEL EDGES, USE 1 1/2" 8d SHORT NAILS OR 3X STUDS WITH 8d COMMON NAILS. FOR 2" NAIL SPACING, USE 3X STUDS AND STAGGER PANELS. WHERE PLYWOOD IS 2 SIDES OF WALL, JOINTS TO FALL ON SEPARATE STUDS ON EACH SIDE.

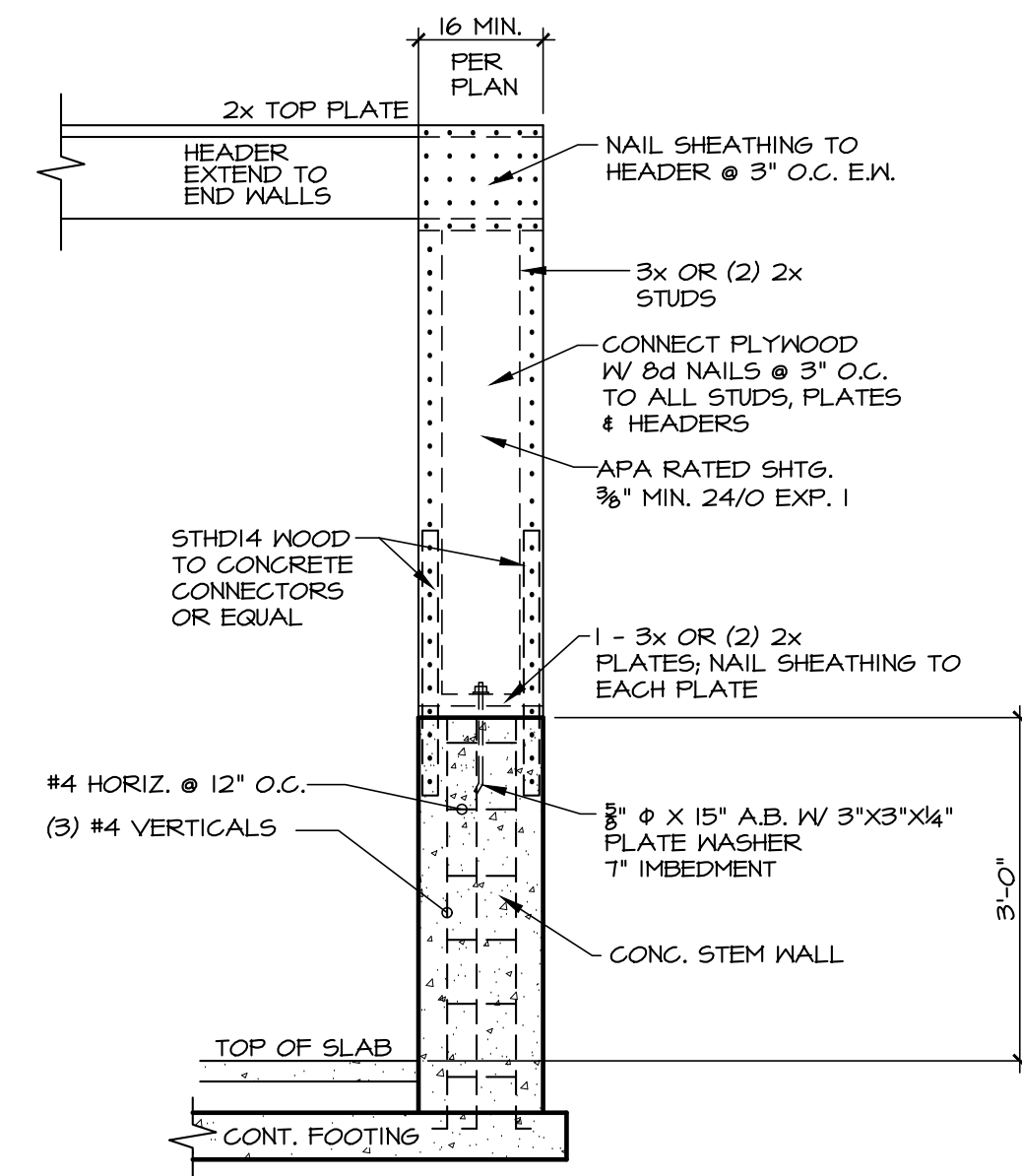
FLOOR PLYWOOD - USE 8d COMMON NAILS @ 10" O.C. AT INTERMEDIATE SUPPORTS, 6" O.C. AT ALL PANEL EDGES AND 4" O.C. AT ALL SHEAR WALLS, UNLESS OTHERWISE SHOWN ON PLANS.
FLOOR JOISTS - JOIST PARALLEL TO FLOOR OPENINGS AND EXTERIOR WALLS SHALL BE CROSS BLOCKED AT 48" O.C. @ EDGES W/ (4) 10d NAILS FOR THE FIRST BAY.
3" x 3" x 1/4" SQUARE WASHERS AT ALL ANCHOR BOLTS. PLATE WASHERS TO BE INSTALLED WITHIN 1/2" OF SHEATHING.

7/16" OSB OR PLYWOOD SHEATHING - STAPLE SCHEDULE ALLOWABLE SHEAR VALUES WITH HEM FIR #2 STUDS

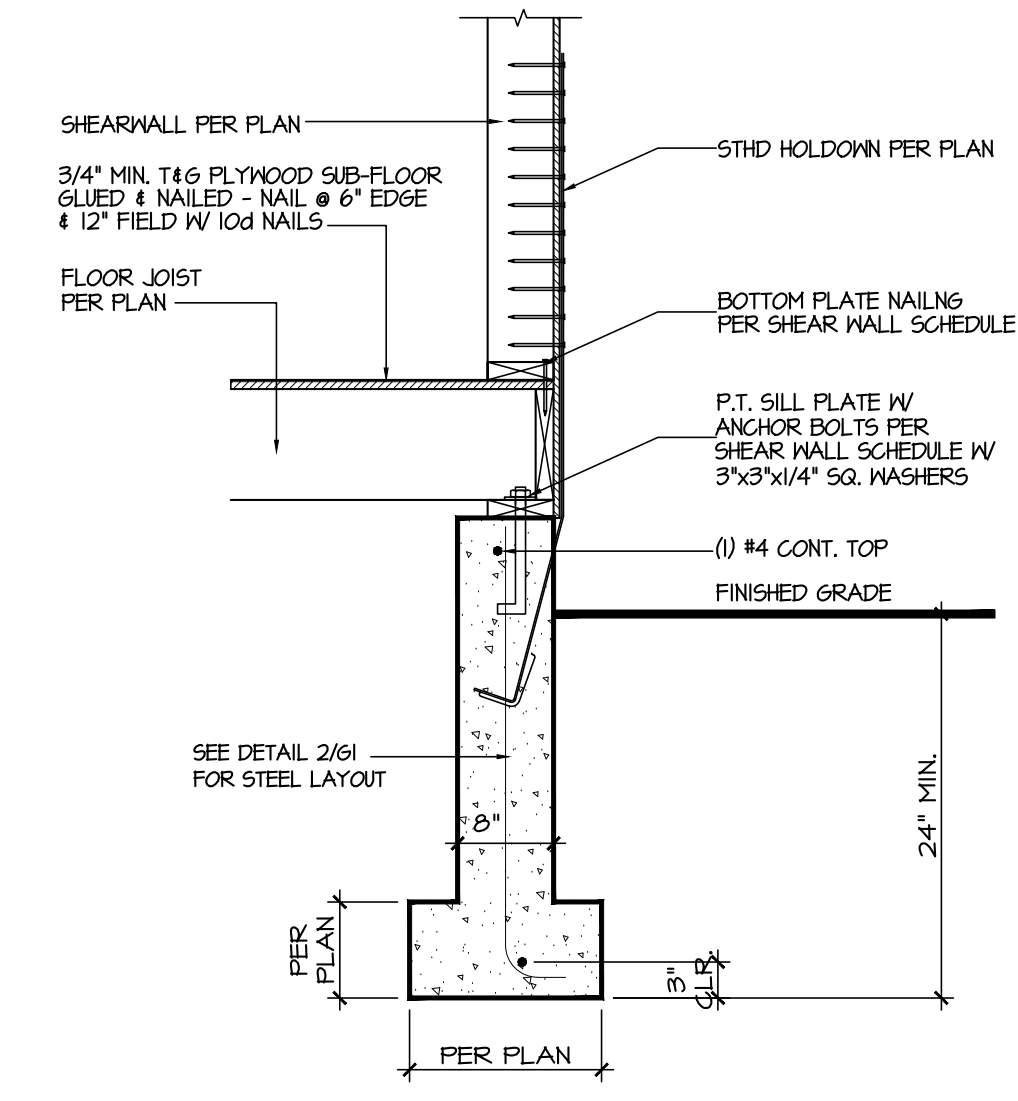
2" 16 GA. STAPLES @ 3" O.C. - 280#/ft.	15 GA. STAPLES @ 4" O.C. - 280#/ft.	14 GA. STAPLES @ 4" O.C. - 303#/ft.
2" O.C. - 360#/ft.	2-1/2" O.C. - 430#/ft.	3" O.C. - 340#/ft.
	4" O.C. AND 10d NAILS @ 6" O.C. - 620#/ft.	2" O.C. - 504#/ft.

FIELD SPACING: 12" O.C. NAILS & STAPLES.

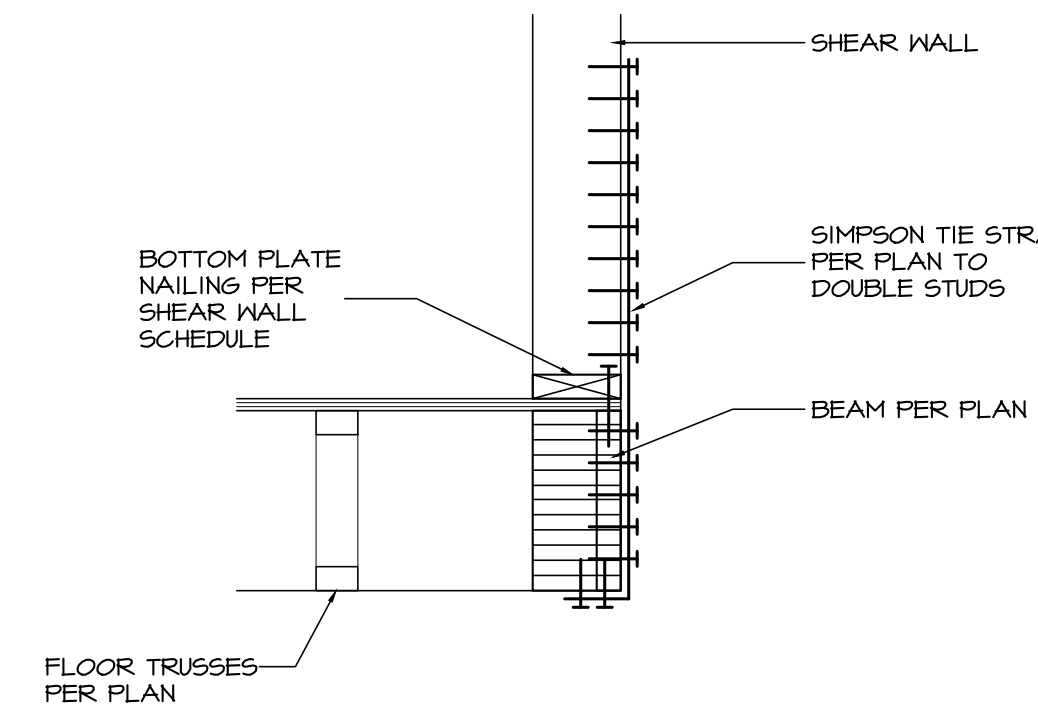
HOLDOWNS - INSTALL SIMPSON HOLDOWNS OR USP HOLDOWNS AT THE END OF SHEAR WALLS WHEN SHOWN ON DRAWINGS.
PER PLAN, SIMPSON STD14 OR USP STAD14
SIMPSON MST48 OR USP KST248
SIMPSON MSTC48B3 OR USP MSTCB4B3
SIMPSON MST36 OR USP MST36
SIMPSON HDUB OR USP TDX10 (1/8" ANCHOR BOLT MIN. 24" EMBEDMENT, 3" BOLT INTO (3) 2x4(6))



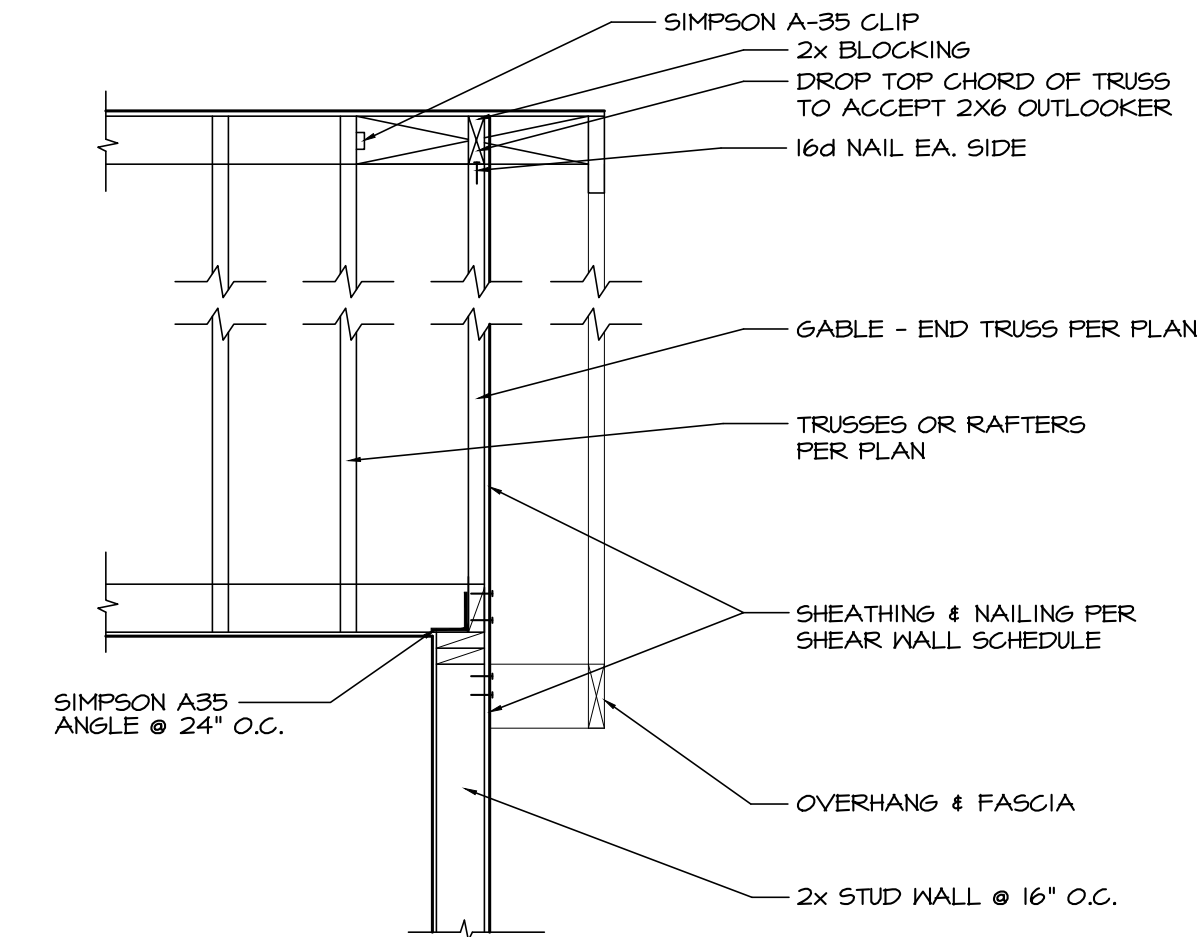
1 LATERAL RESTRAINT PANEL
SCALE: 1" = 1'-0"



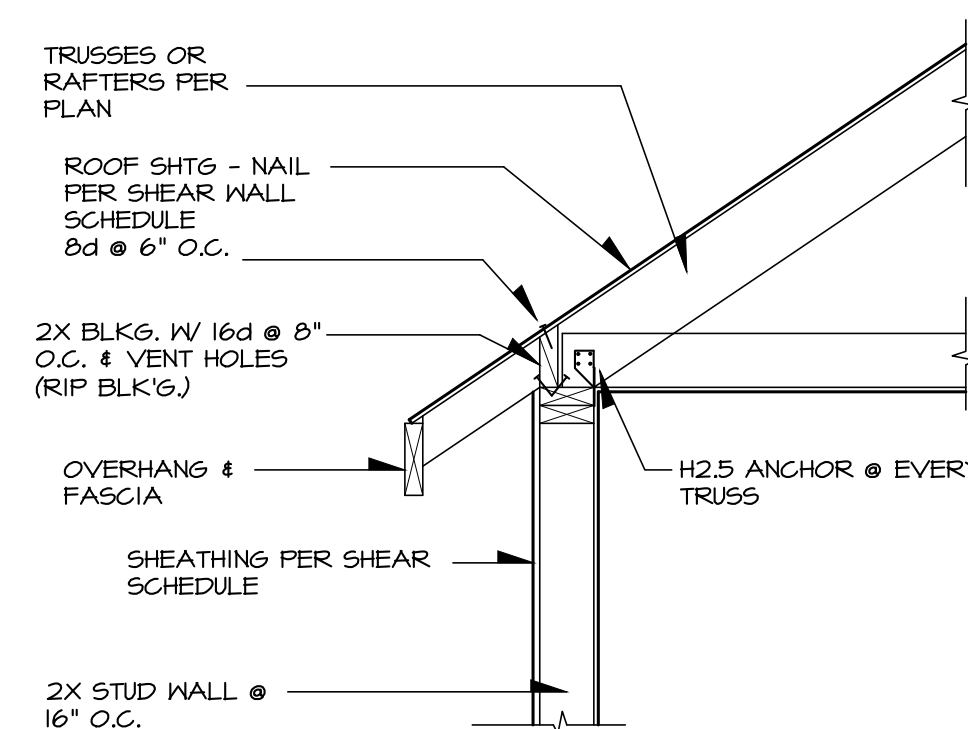
2 STD HOLDOWN @ FOUNDATION
SCALE: N.T.S.



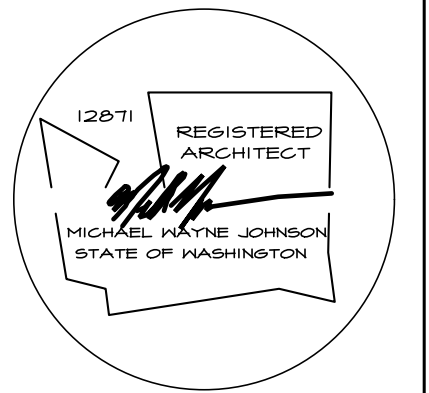
3 SHEARWALL TO BEAM CONNECTION
SCALE: N.T.S.



4 TYPICAL SHEARWALL TO ROOF CONNECTION
SCALE: N.T.S.



5 TYP. SHEARWALL TO ROOF CONNECTION
SCALE: N.T.S.



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GENERAL NOTES:

- All construction per applicable codes and ordinances. 2018 IRC, IBC.
- Verify all dimensions on job site. Bring discrepancies to the attention of Owner and/or Designer.
- Owner will verify window sizes and manufacturer(s) with framer before start of construction.
- One window per bedroom shall meet egress code.
- Skylight glazing per 2018 IBC.
- Truss manufacturer shall supply shop drawings to Owner and framer to review and approve before fabrication.
- Owner will verify electrical and heat layouts with installer before installation.
- Under all parallel bearing walls, use double joists or as noted on plan. Double joist (or extra TJI) under all non-bearing parallel walls.
- TJI products to be installed per manufacturer's installation guide and approved reports.
- All metal connections to treated wood shall be at a minimum triple zinc 2MAX (5185 per ASTM A653); Hot Dip Galvanize (ASTM A123 for connectors and ASTM153 for fasteners and anchors).
- All bathroom fans, kitchen hood, and dryer ducts shall be exhausted through the attic to the roof or through the floor system to an outside wall. All wall ducts shall terminate at least 36" from a window opening.

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA:

TERMITE:	SLIGHT TO MODERATE
DECAY:	SLIGHT TO MODERATE
WINTER DESIGN TEMP:	17°
ICESHIELD REQUIRED:	NO
FLOOD HAZARDS:	2003 1942 FIRM
AIR FREEZING INDEX:	250
MEAN ANNUAL TEMP:	50

DESIGN DATA:

ROOF LOADS:	LL 25#/SF (SNOW)
	DL 15#/SF
	TOTAL 40#/SF

FLOOR LOADS:	LL 40#/SF
	DL 10#/SF
	TOTAL 50#/SF

DECK LOADS:	LL 60#/SF
	DL 10#/SF
	TOTAL 70#/SF

SOIL: 1500 PSF

CONCRETE: 2500 PSI AFTER 28 DAYS (5/2 SACK MIX)

-3000 PSI FOR EXTERIOR FOUNDATION WALLS, PORCHES, STEPS, AND OR GARAGE SLABS - AIR ENTRAINMENT IS BETWEEN 5-7% (TABLE 402.2 IRC)

MASONRY:	PER 2018 IBC
STEEL:	PER 2018 IBC (GRADE 60)
WOOD:	PER 2018 IBC
NAILING:	PER 2018 IRC NAILING PER TABLE R602.3(I)
WIND:	85 MPH
SEISMIC:	ZONE - D
	V = see design calculations(w/d)

WEATHERING POTENTIAL: MODERATE

FROST LINE: 12"

E.F.P.: 45 PSF

4" BEAM: DOUGLAS FIR #2

Fv = 180

Fb = 900 PSI

E = 1,800,000

6" BEAM: DOUGLAS FIR #2

Fv = 170

Fb = 875 PSI

E = 1,800,000

4" POST: DOUGLAS FIR #2

Fc II = 1350 PSI

E = 1,800,000

6" POST: DOUGLAS FIR #2

Fc II = 700 PSI

E = 1,800,000

JOISTS & RAFTERS: HEM FIR #2

Fv = 150

Fb = 850 PSI

E = 1,800,000

GLU-LAM BEAMS:

Fv = 240 psi

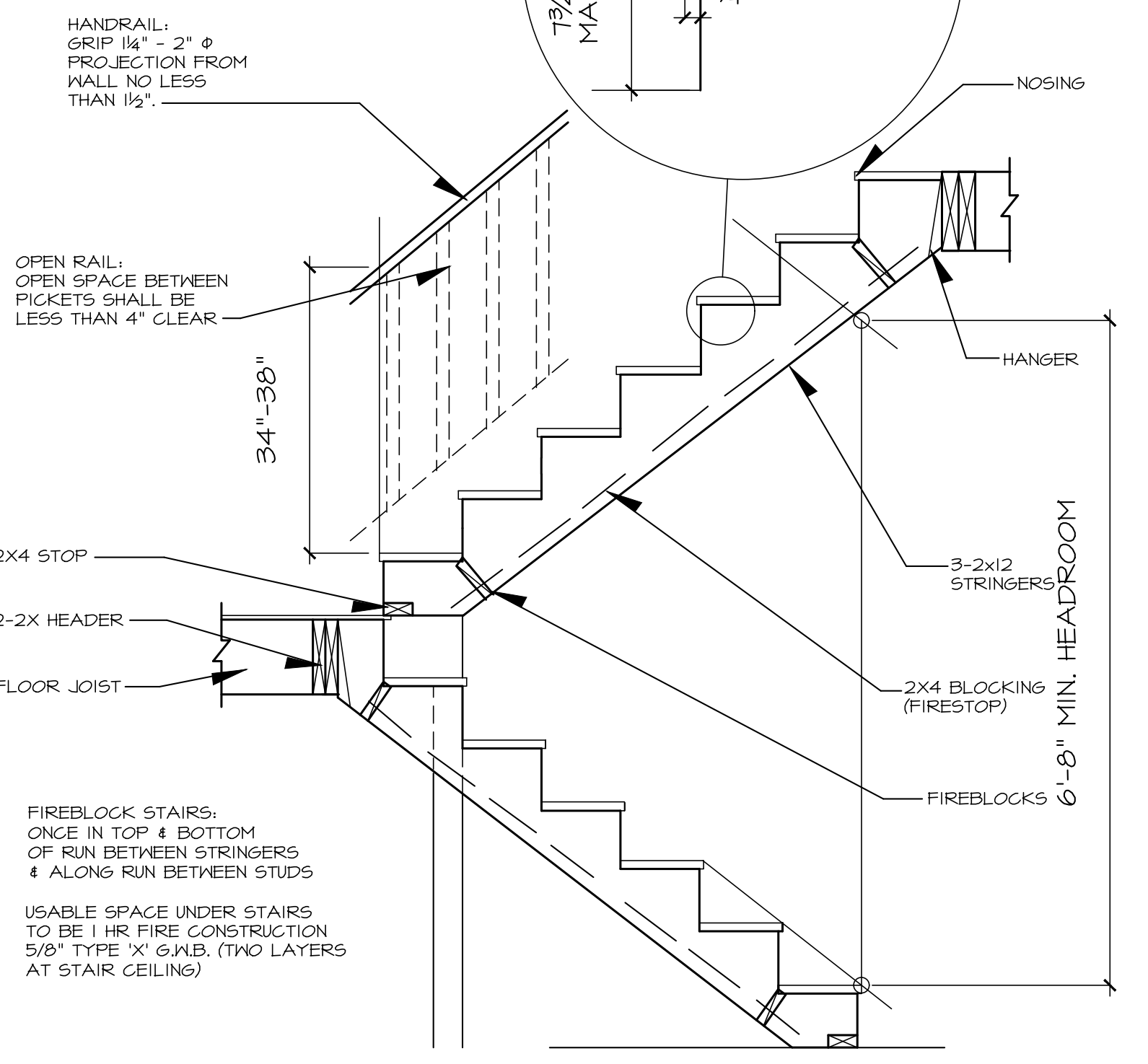
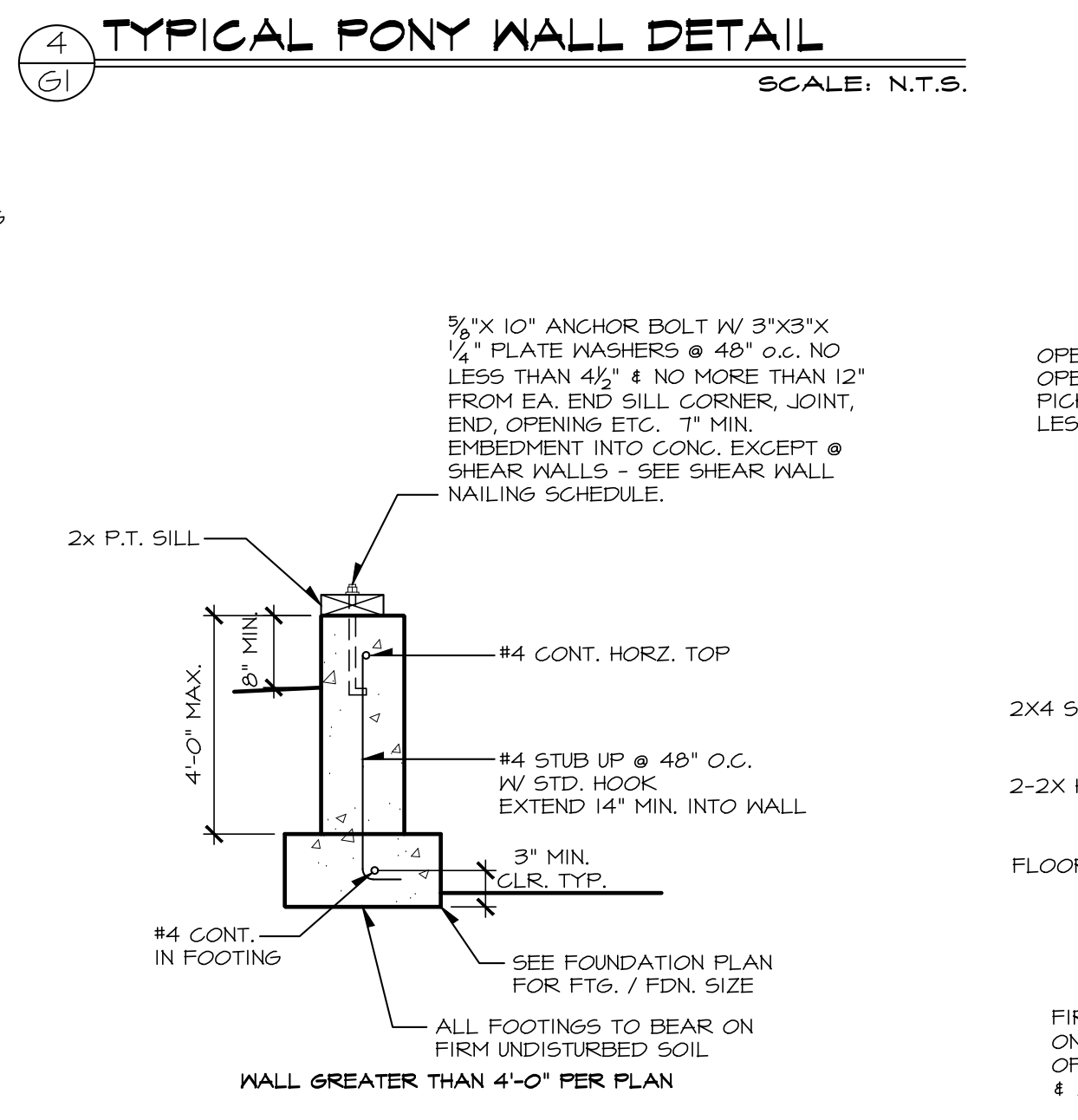
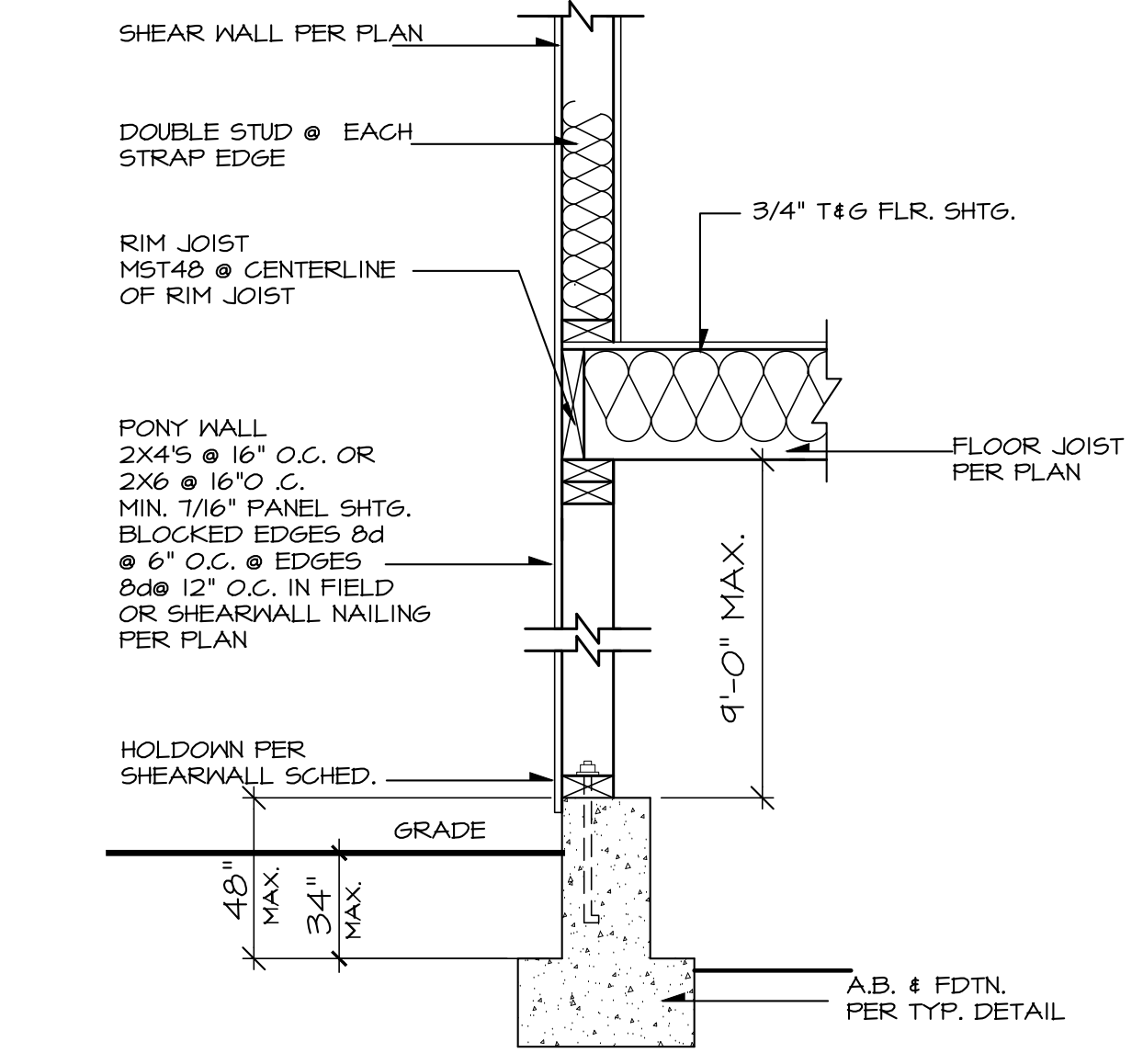
Fb = 2,400 psi (reduced by size factor, Cf*K1)

E = 1,800,000 psi

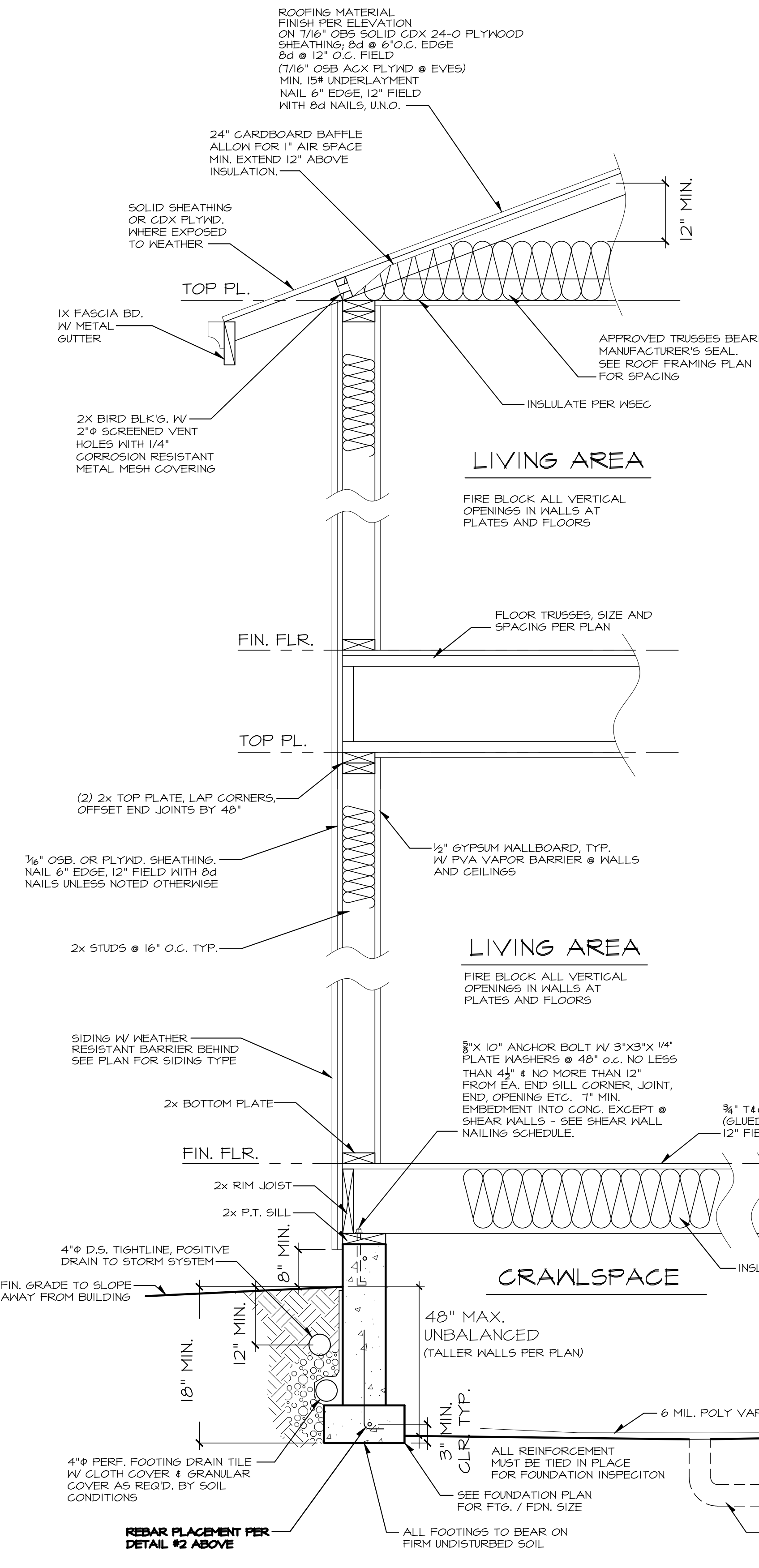
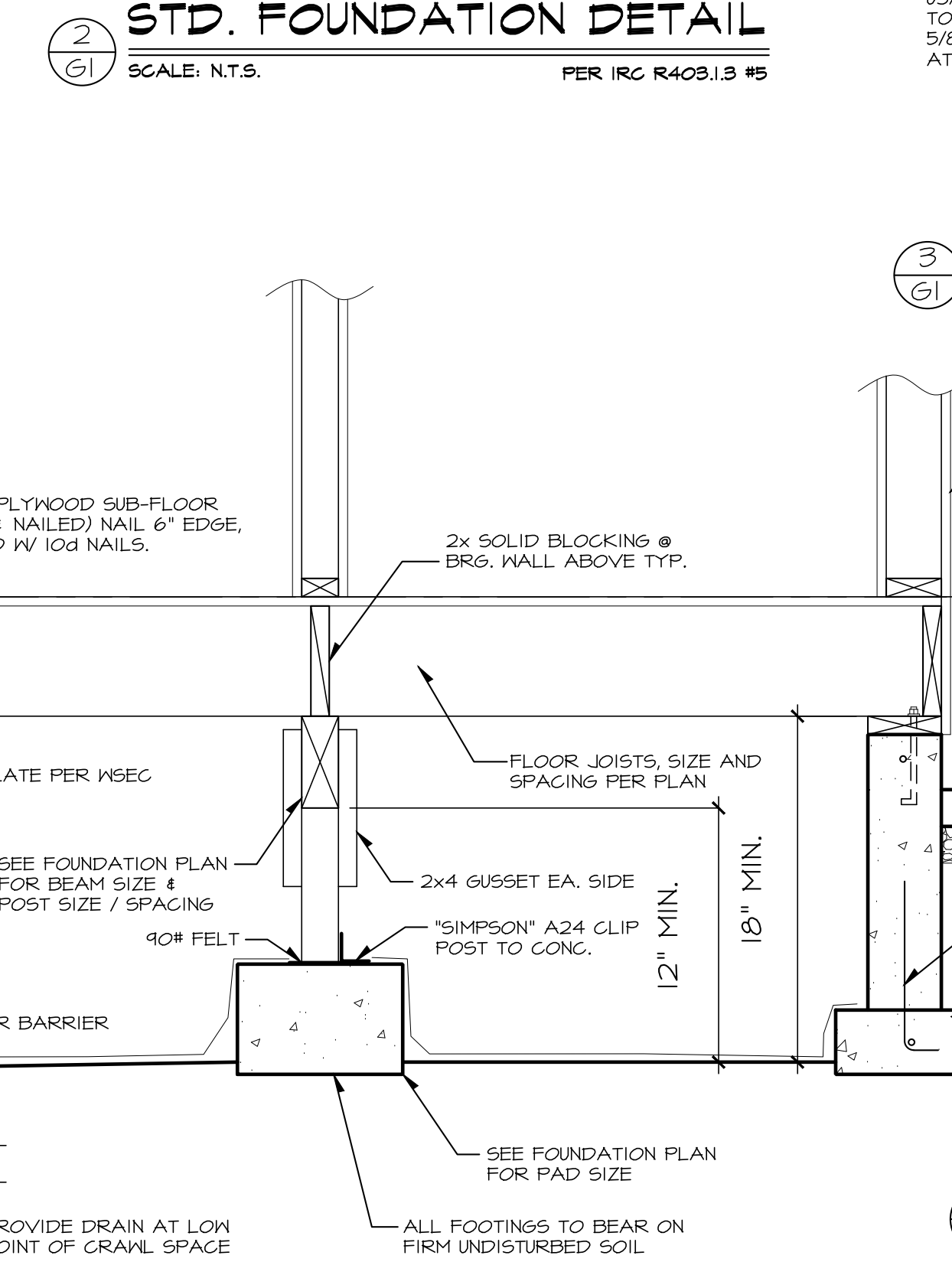
NOTE: VARIATIONS FROM THE ABOVE LUMBER GRADES WILL BE NOTED ON THE PLANS.

1. SUBFLOOR: T&G PLYWOOD OR OSB APA RATED STURD-I-FLOOR 1/2" O.C., 3/4"

WALL & ROOF SHEATHING: APA RATED SHEATHING 24/16 1/16"



STAIR NOTES:
RISER HEIGHT = 7-3/4" MAX.
TREAD DEPTH = 10" MIN.



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