

1948 PARKER STREET HOME

Basement 960 sqft
1st floor 1094 sqft
2nd floor 1210 sqft

PLAN INFORMATION:

Total 3264 sqft



(3") FROM BOTTOM OF FOOTING TYP. (WHEN REQUIRED)
5. REFER TO STRUCTURAL PAGES FOR ADDITIONAL INFORMATION REGARDING RE-BAR/ETC.
6. MIN. 5000 PSI CONCRETE @ ALL FOOTINGS

1. ALL ELECTRICAL AND MECHANICAL EQUIPMENT TO BE VERIFIED AND INSTALLED PER CODE BY APPROVED TRADES AND INSTALLERS.
2. HVAC CONTRACTOR TO VERIFY LAYOUT FOR DUCT-RUNS BEFORE INSTALLATION, IF MODIFICATION IS REQUIRED, REPORT INFORMATION/CHANGES TO CONTRACTOR & LITTFIN DESIGN.



CODE INFORMATION:

SINGLE FAMILY CONSTRUCTION TYPE IRC-1
-2015 MINNESOTA STATE RESIDENTIAL CODE
-2017 NATIONAL ELECTRICAL CODE
-2015 MINNESOTA STATE MECHANICAL & FUEL GAS CODE
-2015 MINNESOTA STATE FIRE CODE
-2015 MINNESOTA PLUMBING CODE

SOIL TYPE:

DESIGNED WITH 2000 PSF SOILS, ALL FOUNDATION CONSTRUCTION MUST FACTOR IN THIS AT A MINIMUM.

WIND EXPOSURE:

DESIGNED WITH "EXPOSURE C" CLASSIFICATIONS AND WIND GUSTS OF 90 MPH PER 2015 MN RESIDENTIAL CODE REGULATIONS.

GENERAL NOTES:

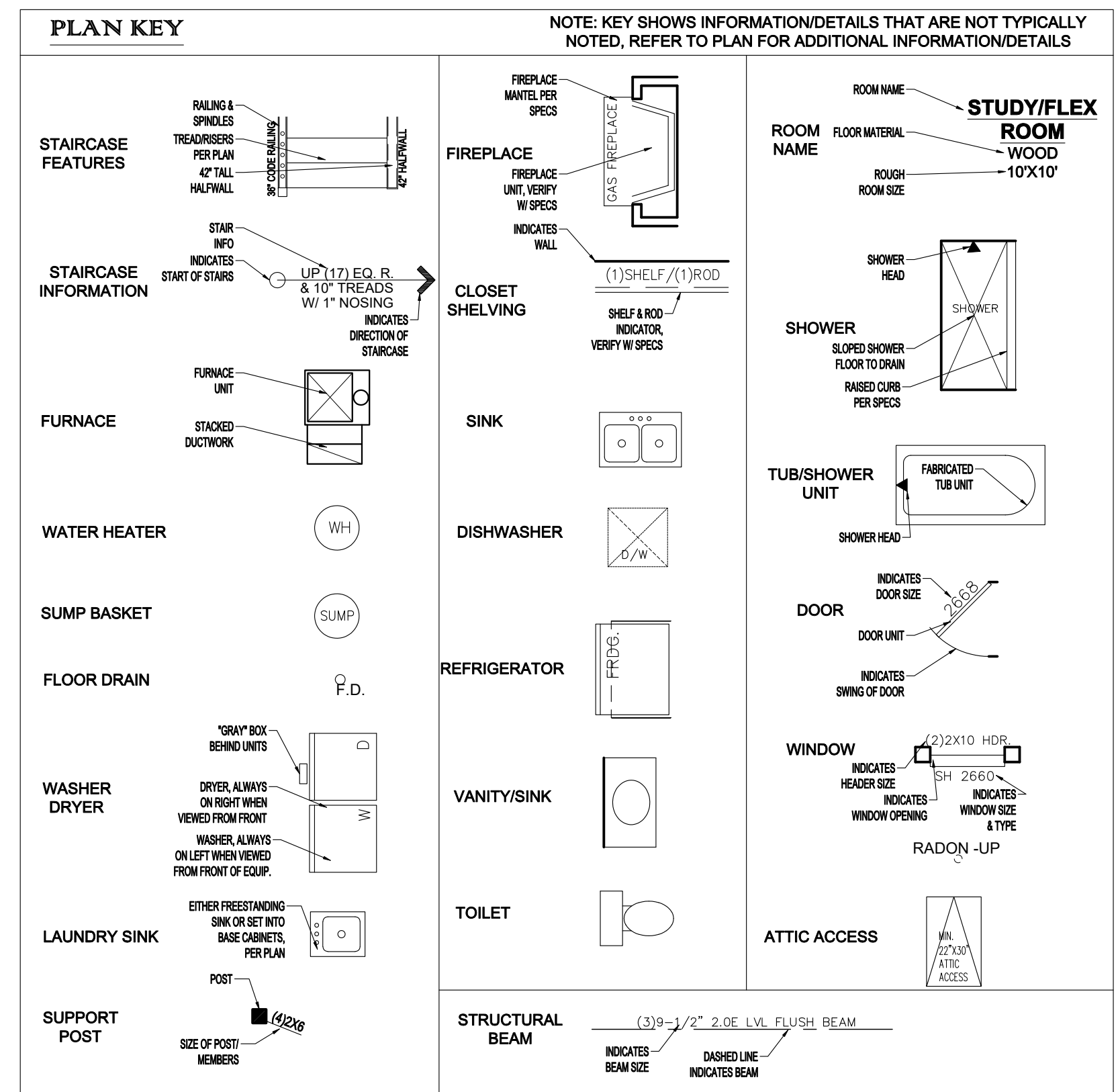
-ALL FOUNDATION WALL STRUCTURAL INFORMATION USED TO CONSTRUCT THE FOUNDATION SYSTEM IS TO BE ON SITE WHEN POURING OR BUILDING WALLS.
-ALL STRUCTURAL BEAMS, POSTS & TALL WALLS ARE TO BE BUILT PER I-LEVEL SPECIFICATIONS.
-ALL MANUFACTURED FLOOR & ROOF TRUSSES ARE TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
-ALL MANUFACTURED FLOOR & ROOF TRUSS SPECIFICATIONS ARE TO BE ON SITE DURING INSTALLATION.

-WINDOW SIZE NOTES (EXAMPLES):

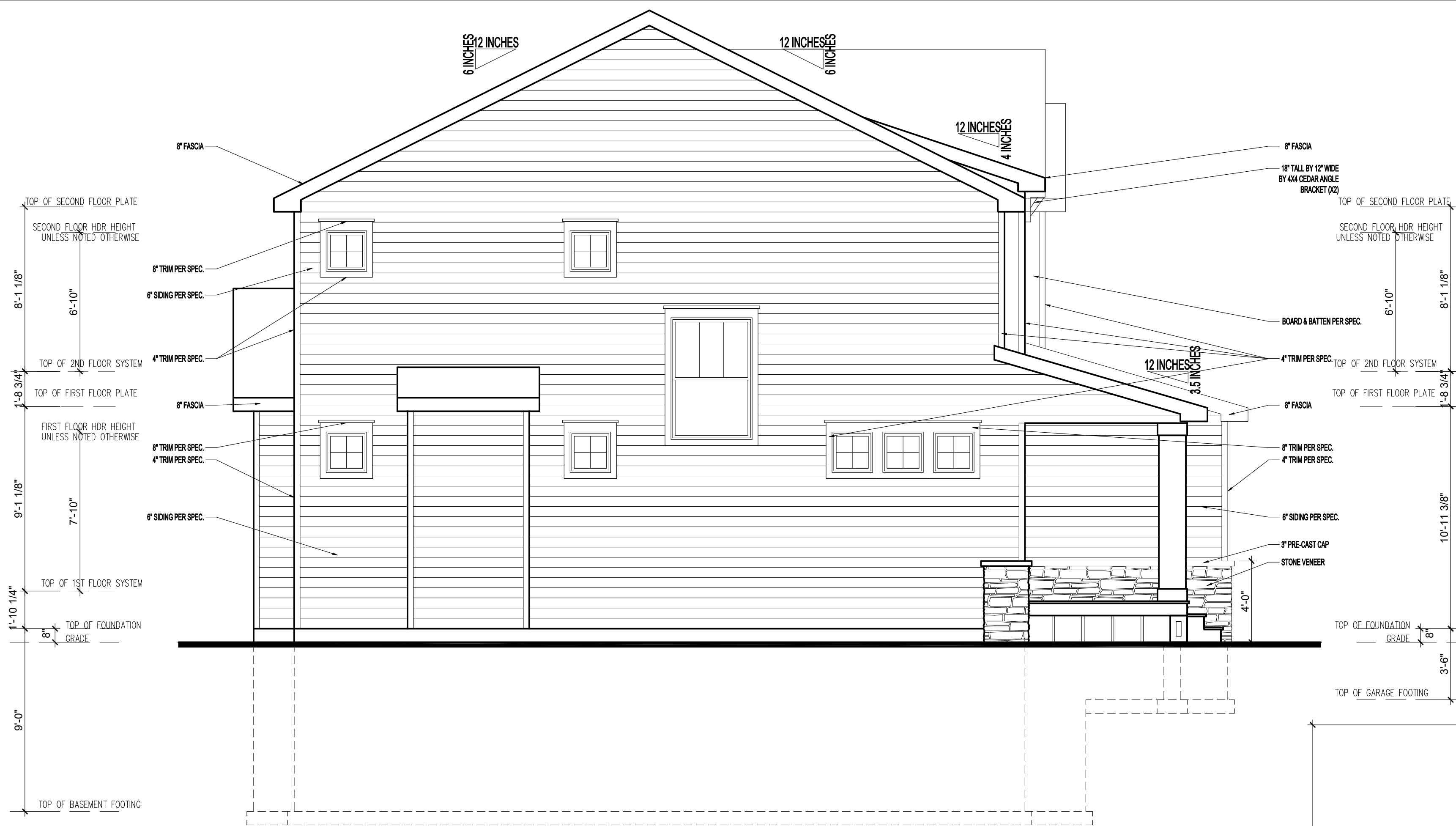
-SH3050 EQUALS SINGLE HUNG 3'0" BY 5'0"
-FX2646 EQUALS FIXED 2'6" BY 4'6"

SHEET INDEX:

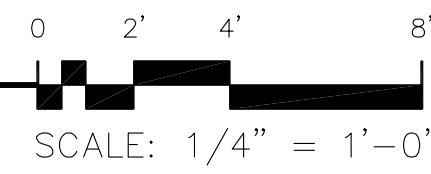
C	COVER
A1	FRONT & SIDE ELEVATION
A2	REAR & SIDE ELEVATION
A3	ROOF PLAN
A4	FOUNDATION & FIN. BSMT.
A5	FIRST FLOOR PLANS
A6	SECOND FLOOR PLANS
D1	SECTION THROUGH HOME
D2	SECTION THROUGH HOME
D3	DETAILS
D4	DETAILS
R1	RADON DETAILS
S1	1ST FLOOR BRACED WALLS
S2	2ND FLOOR BRACED WALLS
S3	BRACED WALL DETAILS



REVISION:	REV. DATE:	DRAWING TITLE: SPENCE DEVELOPMENTS HOME	ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED. © COPYRIGHT 2019	LITTFIN DESIGN	LITTFINDESIGN.COM MLITTFIN@HOTMAIL.COM 320-224-7844 WINSTED, MN	CURRENT DATE: 2-26-19	PAGE C	PAGE DESCRIPTION: COVER SHEET SCALED PRINT @ 24X36
		LOCATION: 1948 PARKER STREET, MORA MN						



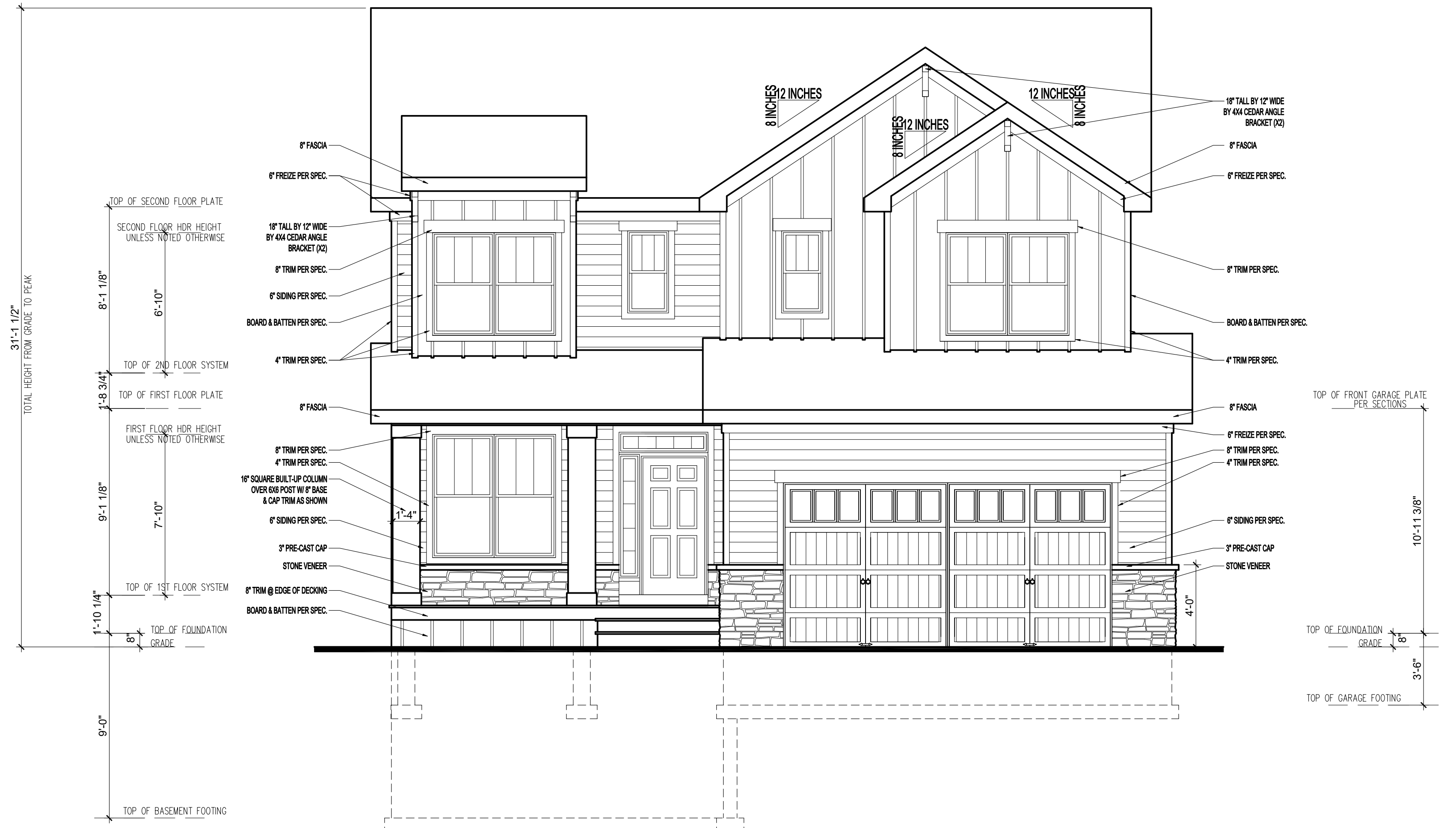
2 LEFT ELEVATION
1/4" = 1'-0"



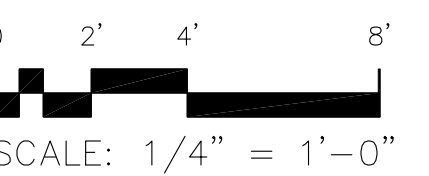
GENERAL EXTERIOR NOTES:

1. ALL EXT. TRIM TO BE FLASHED PER CODE.
2. SUPPLY DRIPCAPS ON ALL WINDOWS AND DOORS.
3. SUPPLY SEPARATION BETWEEN WOOD, COMPOSITE WOOD AND ANY OTHER WOOD MATERIAL PER SPECIFICATIONS.
4. SUPPLY AT LEAST 6" OF SPACE BETWEEN BOTTOMS OF WINDOWS AND ROOFS.
5. GRADE CONDITIONS MAY VARY ON SITE.
6. PROVIDE ROOF AND SOFFIT VENTS PER IRC CODE REGULATIONS.
7. ALL FURNACE FLUES, PLUMBING VENTS, FIREPLACE VENTS AND OTHER PENETRATIONS THROUGH ROOF OR WALLS TO EXTEND THROUGH REAR OF HOME WHENEVER POSSIBLE.
8. ALL PENETRATIONS THROUGH EXTERIOR WALLS OR ROOFING MUST BE SEALED AND FLASHED PER MANUF. SPECIFICATIONS AND IRC CODE REGULATIONS.

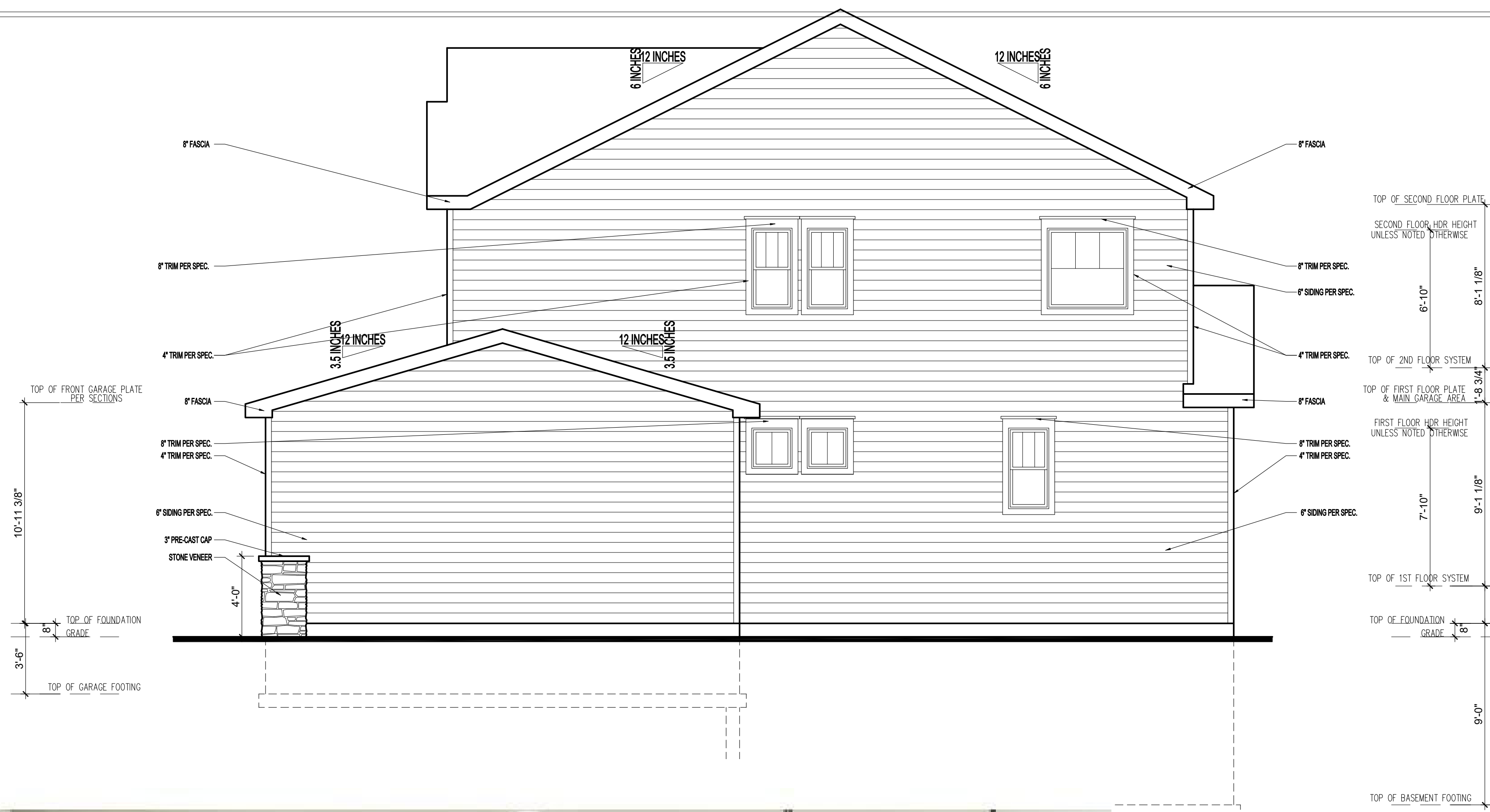
9. DOTTED AREA ON ROOF PLAN INDICATES LOCATION OF ICE/WATER BARRIER.
10. HOLD STONE OFF GRADE MINIMUM OF 3".
11. REFER TO MANUF. SPECIFICATIONS FOR STONE.
12. GARAGE BUCK BOARD MATERIAL IS TO BE COMPOSITE WOOD AND SIZED TO COVER THE EDGE OF STONE.
14. ALL BEAMS HOLDING UP PORCH ROOFS ARE TO BE DROPPED UNLESS OTHERWISE NOTED.



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



REVISION:	REV. DATE:	DRAWING TITLE: SPENCE DEVELOPMENTS HOME	ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED. © COPYRIGHT 2019		LITTFINDESIGN.COM MLITTFIN@HOTMAIL.COM 320-224-7844 WINSTED, MN	CURRENT DATE: 2-26-19	PAGE A1	PAGE DESCRIPTION: FRONT & LEFT ELEVATION SCALED PRINT @ 24X36
		LOCATION: 1948 PARKER STREET, MORA MN						



© RMLSMN



© RMLSMN

0 2' 4' 8'
SCALE: 1/4" = 1'-0"



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

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

REVISION:	REV. DATE:	DRAWING TITLE:	ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED.	LITTFIN DESIGN	LITTFINDESIGN.COM MLITTFIN@HOTMAIL.COM 320-224-7844 WINSTED, MN	CURRENT DATE:	PAGE	PAGE DESCRIPTION:
		SPENCE DEVELOPMENTS HOME	© COPYRIGHT 2019			2-26-19	L A2 ID	REAR & RIGHT SIDE SCALED PRINT @ 24X36
		LOCATION: 1948 PARKER STREET, MORA MN						



© RMLSMN



© RMLSMN

NOTE:
 ICE AND WATER BARRIER @ BOTTOM 6" OF ALL ROOF LINES, EXTEND BARRIER MIN. 3' ON EACH SIDE OF VALLEY, COVER ENTIRE FACE OF ROOF SADDLES. VERIFY ADDITIONAL LOCATIONS OF ICE AND WATER BARRIER AS NEEDED IN FIELD.

1'-0" TYP

1'-0" TYP



© RMLSMN

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

0 2' 4' 8'
 SCALE: 1/4" = 1'-0"

REVISION:	REV. DATE:

DRAWING TITLE: SPENCE DEVELOPMENTS HOME
LOCATION: 1948 PARKER STREET, MORA MN

ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED.
 © COPYRIGHT 2019



LITTFINDESIGN.COM
 MLITTFIN@HOTMAIL.COM
 320-224-7844
 WINSTED, MN

CURRENT DATE:
 2-26-19

PAGE
 L A3 D

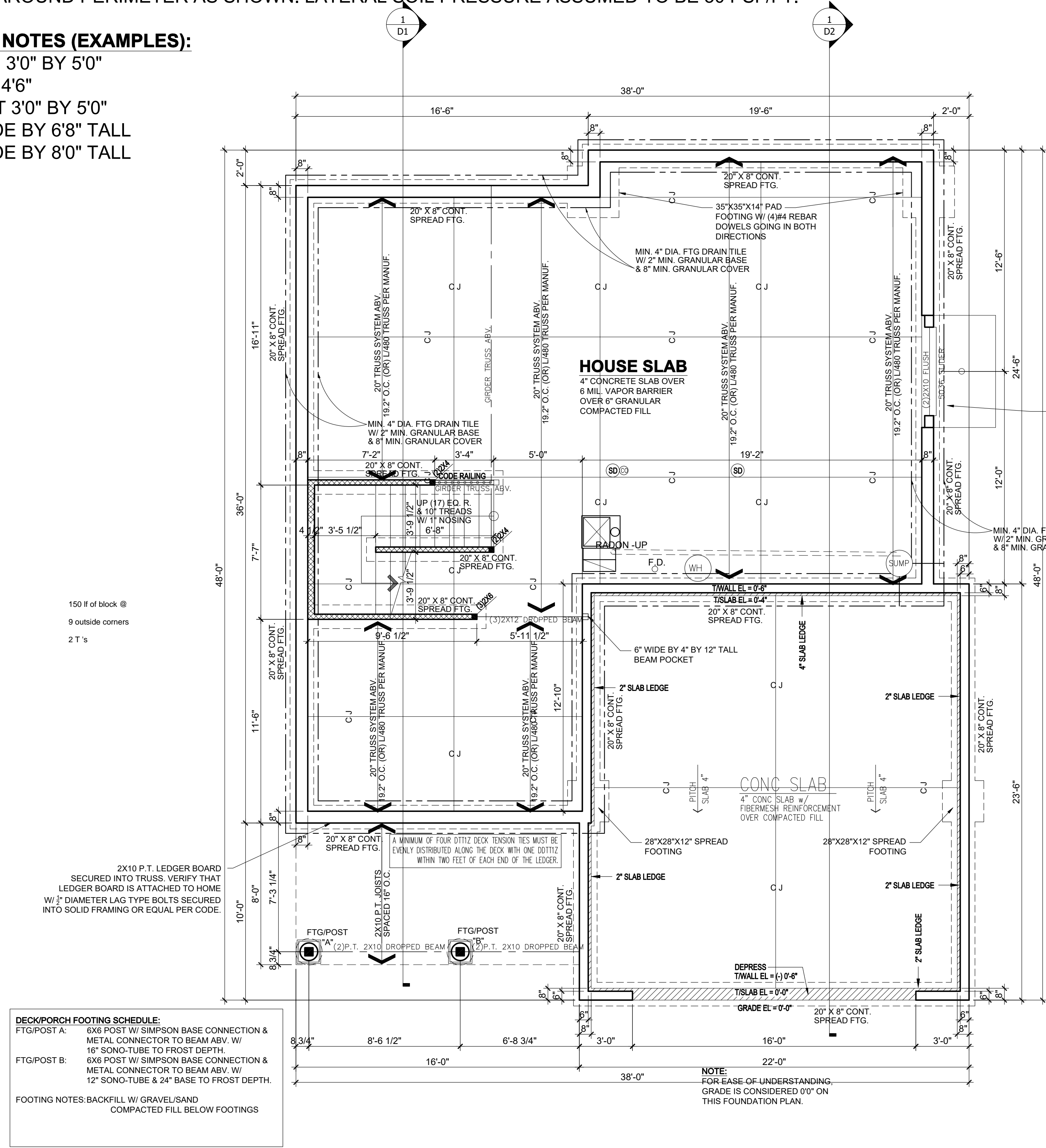
PAGE DESCRIPTION:
 ROOF PLAN
 SCALED PRINT @ 24X36

GENERAL FOUNDATION NOTES:

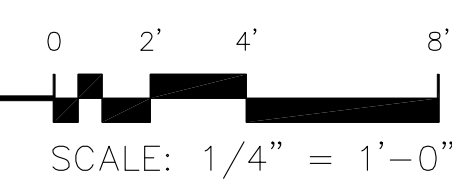
1. FOUNDATIONS TO BE POURED PER SITE SOIL CONDITION.
2. ALL REINFORCING IS TO BE INSTALLED PER IRC REGULATED STRUCTURAL DESIGN BY CONCRETE TRADES.
3. PROVIDE 1/2" ANCHOR BOLTS EMBEDDED 8" MIN., SPACED PER CODE AND 12" MAX FROM EACH END OF SILLPLATE, MIN 2 PER SILL.
4. PROVIDE CONTROL JOINTS PER PLAN, JOIST TO CONSIST OF HIDDEN ZIP STRIP EMBEDDED INTO THE SLABS.
5. ALL ANGLED WALLS ARE TO BE 45 DEGREES UNLESS NOTED OTHERWISE.
6. SLOPE CONCRETE TO FLOOR DRAINS WITHIN 5' OF DRAINS.
7. ALL WOOD MATERIAL CONTACTING DIRECTLY TO CONCRETE MUST BE TREATED OR DESIGNED TO CONTACT CONCRETE.
8. STEP FOOTINGS PER PLAN SPECIFICATIONS.
9. PROVIDE DRAINTILE AROUND PERIMETER AS SHOWN. LATERAL SOIL PRESSURE ASSUMED TO BE 30 PSF/FT.

-WINDOW & DOOR SIZE NOTES (EXAMPLES):

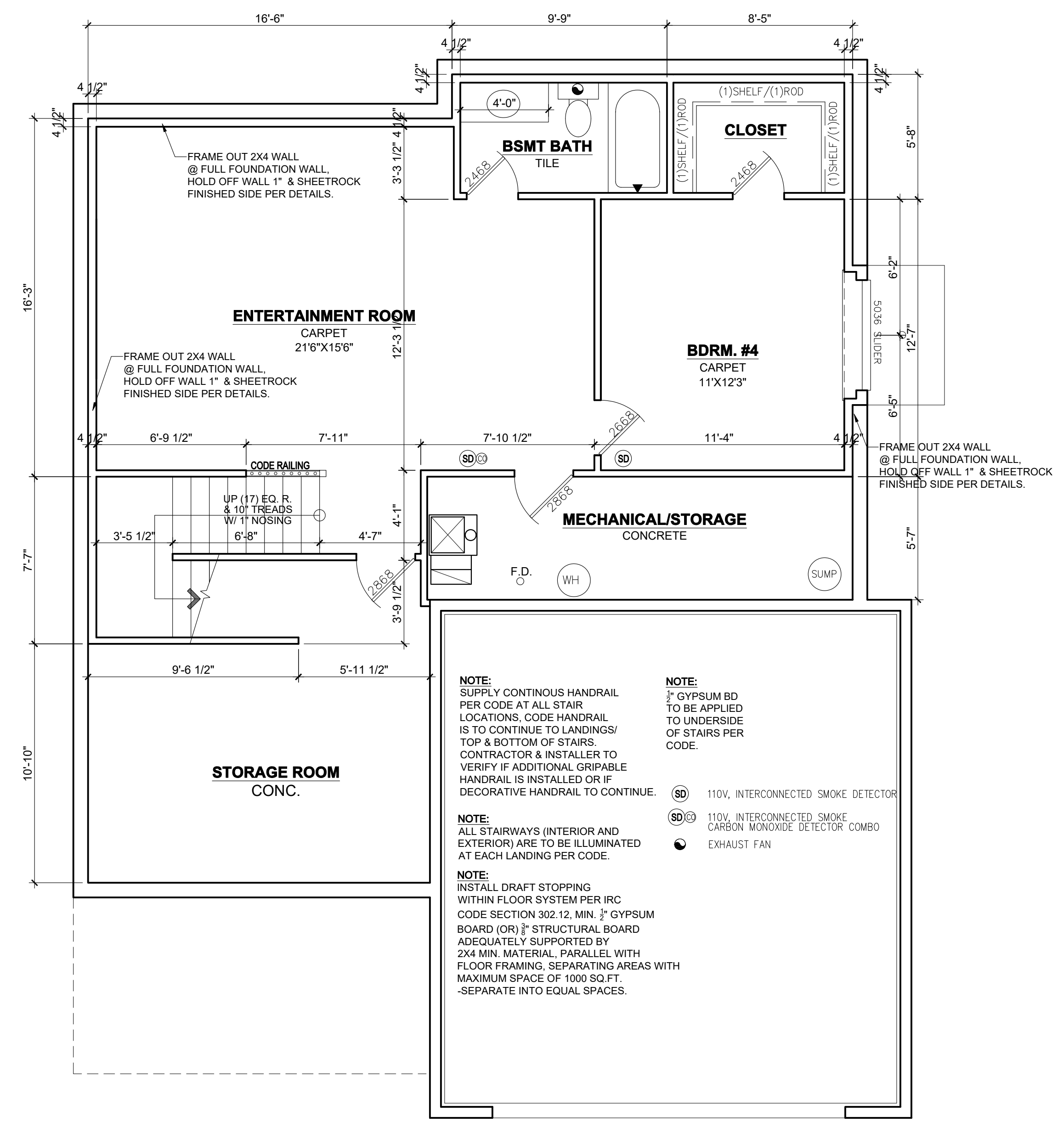
- SH3050 = SINGLE HUNG 3'0" BY 5'0"
- FX2646 = FIXED 2'6" BY 4'6"
- CASE3050 = CASEMENT 3'0" BY 5'0"
- 2868 @ DOOR = 2'8" WIDE BY 6'8" TALL
- 2880 @ DOOR = 2'8" WIDE BY 8'0" TALL



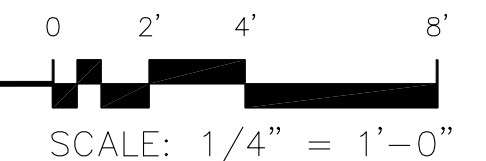
1 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



- PERMANENTLY ATTACHED LADDER PER CODE & MINIMUM 3'X3' EGRESS AREA BUILT PER CODE. FILL EGRESS WELL W/ GRAVEL BACKFILL & INSTALL DRAINTILE CONNECTION TO DRAIN EGRESS PROPERLY.
- NOTE: INSTALL DRAFT STOPPING WITHIN FLOOR SYSTEM PER IRC CODE SECTION 302.12. MIN. 1/2" GYPSUM BOARD (OR) 3/8" STRUCTURAL BOARD ADEQUATELY SUPPORTED BY 2X4 MIN. MATERIAL, PARALLEL WITH FLOOR FRAMING, SEPARATING AREAS WITH MAXIMUM SPACE OF 1000 SQ. FT. -SEPARATE INTO EQUAL SPACES.
- NOTE: ALL STAIRWAYS (INTERIOR AND EXTERIOR) ARE TO BE ILLUMINATED AT EACH LANDING PER CODE.
- NOTE: SUPPLY CONTINUOUS HANDRAIL PER CODE AT ALL STAIR LOCATIONS. CODE HANDRAIL IS TO CONTINUE TO LANDINGS/ TOP & BOTTOM OF STAIRS. CONTRACTOR & INSTALLER TO VERIFY IF ADDITIONAL GRIPABLE HANDRAIL IS INSTALLED OR IF DECORATIVE HANDRAIL TO CONTINUE.
- NOTE: INDICATES INTERIOR BEARING WALL, 16" O.C. STUDS
- SD 110V, INTERCONNECTED SMOKE DETECTOR
- SD@ 110V, INTERCONNECTED SMOKE CARBON MONOXIDE DETECTOR COMBO
- EXHAUST FAN
- NOTE: 1/2" GYPSUM BD TO BE APPLIED TO UNDERSIDE OF STAIRS PER CODE.
- NOTE: INSTALL DRAFT STOPPING WITHIN FLOOR SYSTEM PER IRC CODE SECTION 302.12. MIN. 1/2" GYPSUM BOARD (OR) 3/8" STRUCTURAL BOARD ADEQUATELY SUPPORTED BY 2X4 MIN. MATERIAL, PARALLEL WITH FLOOR FRAMING, SEPARATING AREAS WITH MAXIMUM SPACE OF 1000 SQ. FT. -SEPARATE INTO EQUAL SPACES.



2 FINISHED BASEMENT
SCALE: 1/4" = 1'-0" 678 FINISHED SQUARE FEET



REVISION:	REV. DATE:	DRAWING TITLE: SPENCE DEVELOPMENTS HOME	ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED. © COPYRIGHT 2019		CURRENT DATE: 2-26-19	PAGE A4	PAGE DESCRIPTION: FOUNDATION & FINISHED BASEMENT SCALED PRINT @ 24X36
		LOCATION: 1948 PARKER STREET, MORA MN			LITTFIN DESIGN	LITTFINDESIGN.COM MLITTFIN@HOTMAIL.COM 320-224-7844 WINSTED, MN	



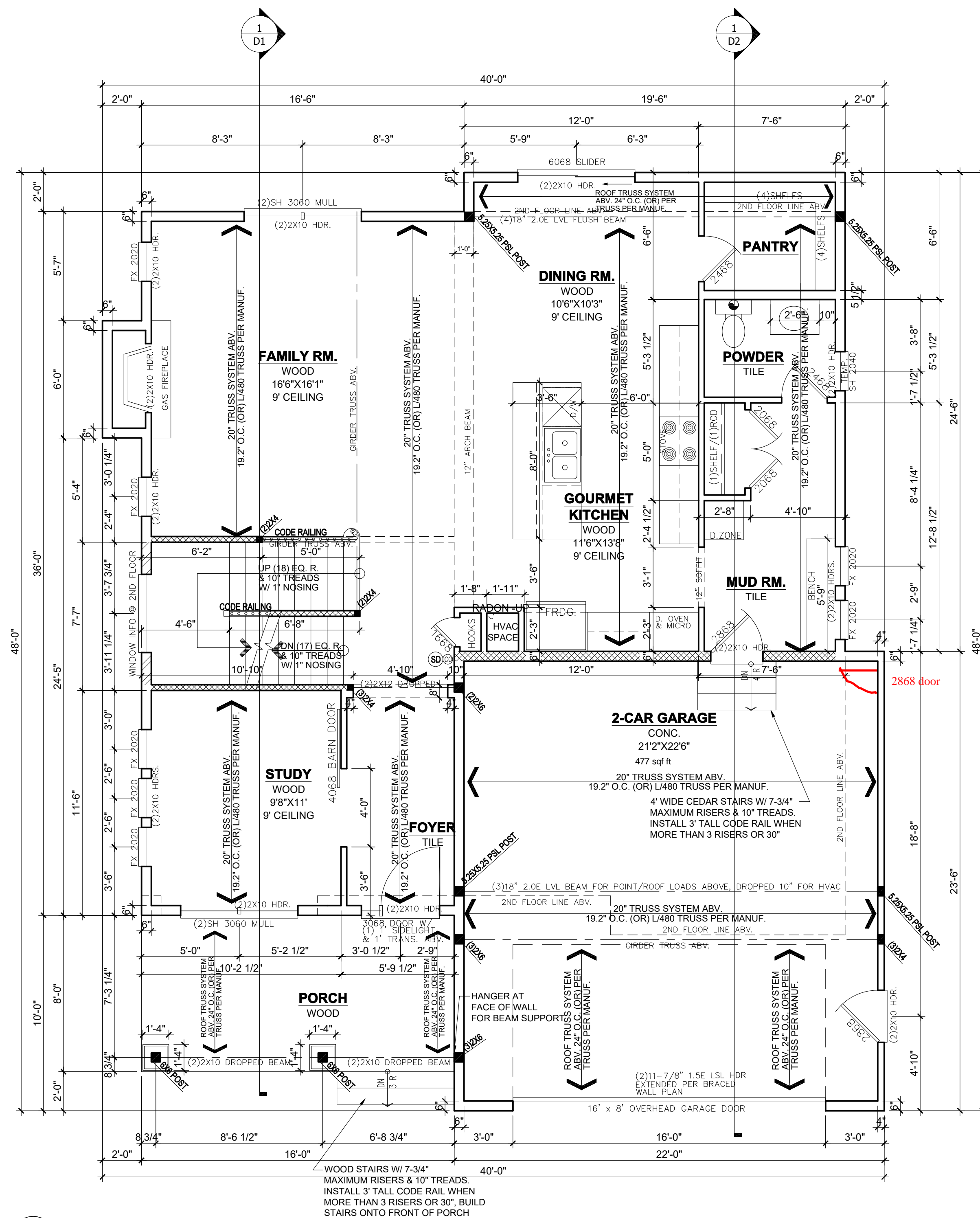
© RMLSMN

STRUCTURAL NOTES:

1. ALL HEADERS TO BE SUPPORTED BY A MINIMUM OF (1) TRIMMER (UNLESS NOTED OTHERWISE)
2. ALL HEADERS TO HAVE AT LEAST (1) KING STUD (UNLESS NOTED).
3. ALL STUD CALLOUTS @ SIDES OF WINDOWS/DOORS ARE TRIMMERS, MINIMUM (1) KING STUDS @ SAID LOCATIONS TO BE INCLUDED AS WELL.
4. BLOCKING @ ROOF & FLOOR PLAN PER TRUSS MANUFACTURER.
5. POINT LOADS TO BE CARRIED THROUGH FLOOR AREAS AND DOWN TO FOUNDATION FOR SUPPORT.
6. ALL HANGERS & CONNECTORS PER TRUSS MANUFACTURER, SUPPLIERS & CONTRACTOR.
7. ALL EXTERIOR SHEATHING TO BE 7/16" OSB SHEATHING & NAILED PER CODE (MAY BE REFERRED TO AS 1/2" NOMINAL THICKNESS).
8. ROOF DECKING TO BE 2" NOMINAL (OR 15/32") OSB DECKING W/ CLIPS, NAILED TO ROOF FRAMING W/ MIN. 8d COMMON NAILS, 6" O.C. @ EDGES/12" O.C. @ FIELD.
9. FLOOR DECKING TO BE 3/4" PLYWOOD DECKING, NAILED OR SCREWED TO FLOOR SYSTEM PER CODE W/ ADHESIVE PER SPEC. (OR) MIN. 6d COMMON NAILS 6" O.C. @ EDGES/12" O.C. @ FIELD (CODE MINIMUM).



© RMLSMN



NOTE:
INSTALL DRAFT STOPPING WITHIN FLOOR SYSTEM PER IRC CODE SECTION 302.12. MIN. 1/2" GYPSUM BOARD (OR) 3/8" STRUCTURAL BOARD ADEQUATELY SUPPORTED BY 2X4 MIN. MATERIAL. PARALLEL WITH FLOOR FRAMING, SEPARATING AREAS WITH MAXIMUM SPACE OF 1000 SQ. FT. -SEPARATE INTO EQUAL SPACES.

NOTE:
SUPPLY CONTINUOUS HANDRAIL PER CODE AT ALL STAIR LOCATIONS. CODE HANDRAIL IS TO CONTINUE TO LANDING/ TOP & BOTTOM OF STAIRS. CONTRACTOR & INSTALLER TO VERIFY IF ADDITIONAL GRIPABLE HANDRAIL IS INSTALLED OR IF DECORATIVE HANDRAIL TO CONTINUE.

NOTE:
ALL STAIRWAYS (INTERIOR AND EXTERIOR) ARE TO BE ILLUMINATED AT EACH LANDING PER CODE.

NOTE:
INDICATES EXTERIOR WALL STUDS SPACED AT 12" O.C. BALLOON FRAMED WALL, TIMBERSTRAND MATERIAL OR BETTER. (2-PLY TIMBER-STRAND KING STUDS @ EACH SIDE OF OPENINGS IN WALL).

NOTE:
INDICATES INTERIOR BEARING WALL, 16" O.C. STUDS

Ⓢ 110V, INTERCONNECTED SMOKE DETECTOR

Ⓢ 110V, INTERCONNECTED SMOKE CARBON MONOXIDE DETECTOR COMBO

Ⓢ EXHAUST FAN

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

REVISION:	REV. DATE:	DRAWING TITLE:

DRAWING TITLE:
SPENCE DEVELOPMENTS HOME

LOCATION:
1948 PARKER STREET, MORA MN

ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED.

© COPYRIGHT 2019



LITTFINDESIGN.COM
MLITTFIN@HOTMAIL.COM
320-224-7844
WINSTED, MN

CURRENT DATE:
2-26-19

PAGE
A5

PAGE DESCRIPTION:
FIRST FLOOR PLAN
SCALED PRINT @ 24X36

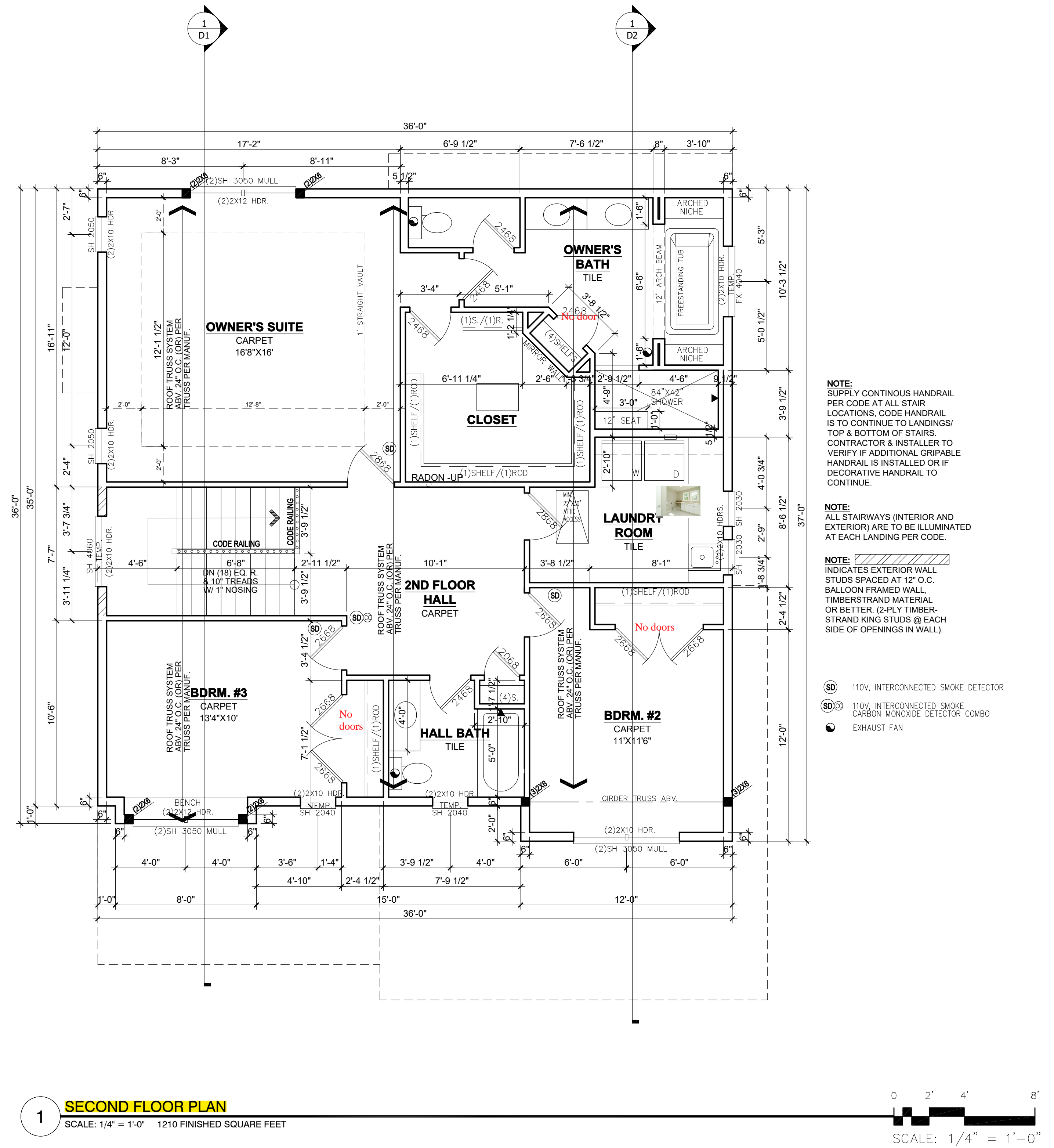


© RMLSMN

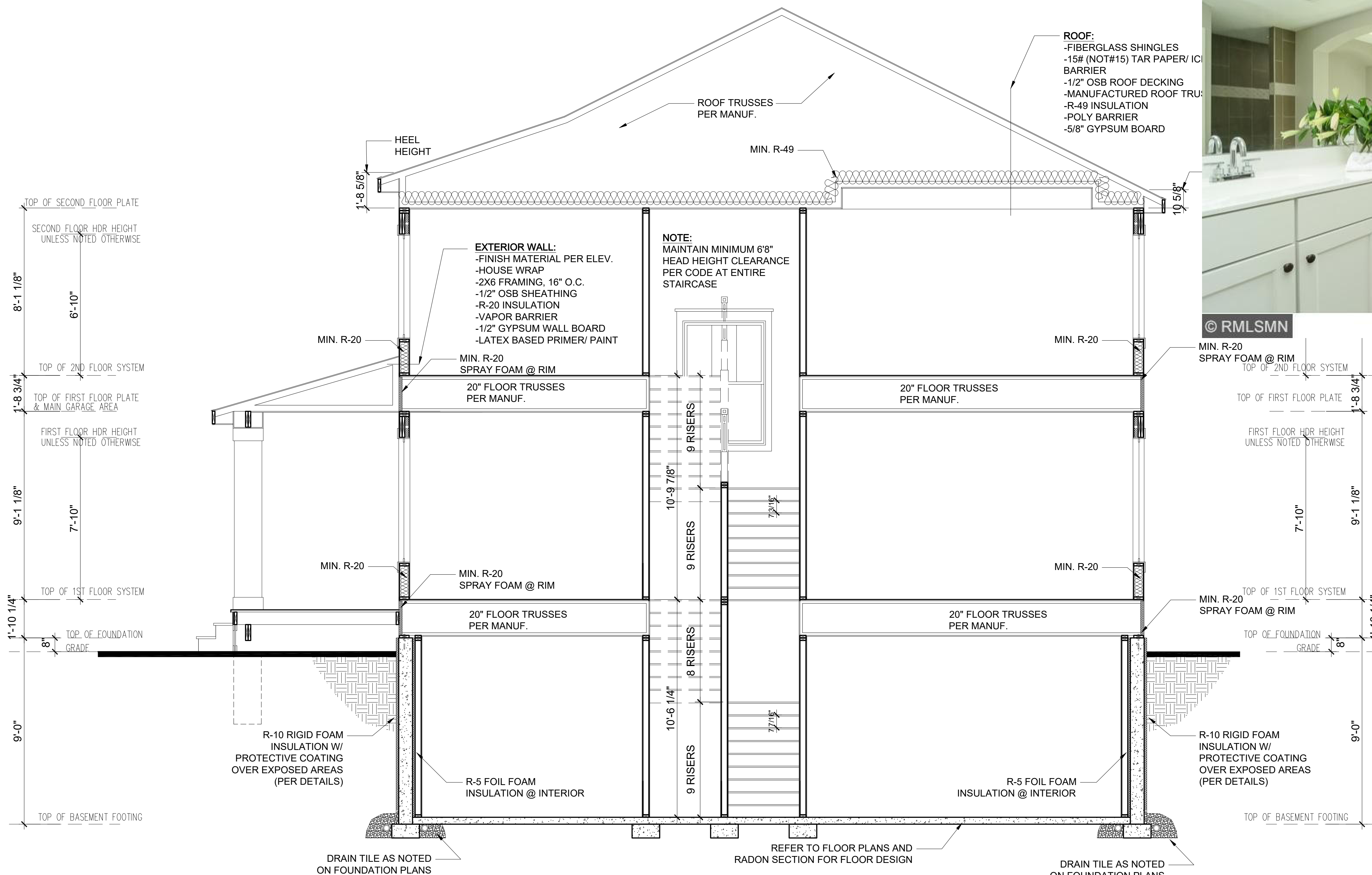
- STRUCTURAL NOTES:**
1. ALL HEADERS TO BE SUPPORTED BY A MINIMUM OF (1) TRIMMER (UNLESS NOTED OTHERWISE)
 2. ALL HEADERS TO HAVE AT LEAST (1) KING STUD (UNLESS NOTED).
 3. ALL STUD CALLOUTS @ SIDES OF WINDOWS/DOORS ARE TRIMMERS, MINIMUM (1) KING STUDS @ SAID LOCATIONS TO BE INCLUDED AS WELL.
 4. BLOCKING @ ROOF & FLOOR PLAN PER TRUSS MANUFACTURER.
 5. POINT LOADS TO BE CARRIED THROUGH FLOOR AREAS AND DOWN TO FOUNDATION FOR SUPPORT.
 6. ALL HANGERS & CONNECTORS PER TRUSS MANUFACTURER, SUPPLIERS & CONTRACTOR.
 7. ALL EXTERIOR SHEATHING TO BE 7/16" OSB SHEATHING & NAILED PER CODE (MAY BE REFERRED TO AS 1/2" NOMINAL THICKNESS).
 8. ROOF DECKING TO BE 1/2" NOMINAL (OR 15/32") OSB DECKING W/ CLIPS, NAILED TO ROOF FRAMING W/ MIN. 8d COMMON NAILS, 6" O.C. @ EDGES/12" O.C. @ FIELD.
 9. FLOOR DECKING TO BE 3/4" PLYWOOD DECKING, NAILED OR SCREWED TO FLOOR SYSTEM PER CODE W/ ADHESIVE PER SPEC. (OR) MIN. 6d COMMON NAILS 6" O.C. @ EDGES/12" O.C. @ FIELD (CODE MINIMUM).



© RMLSMN

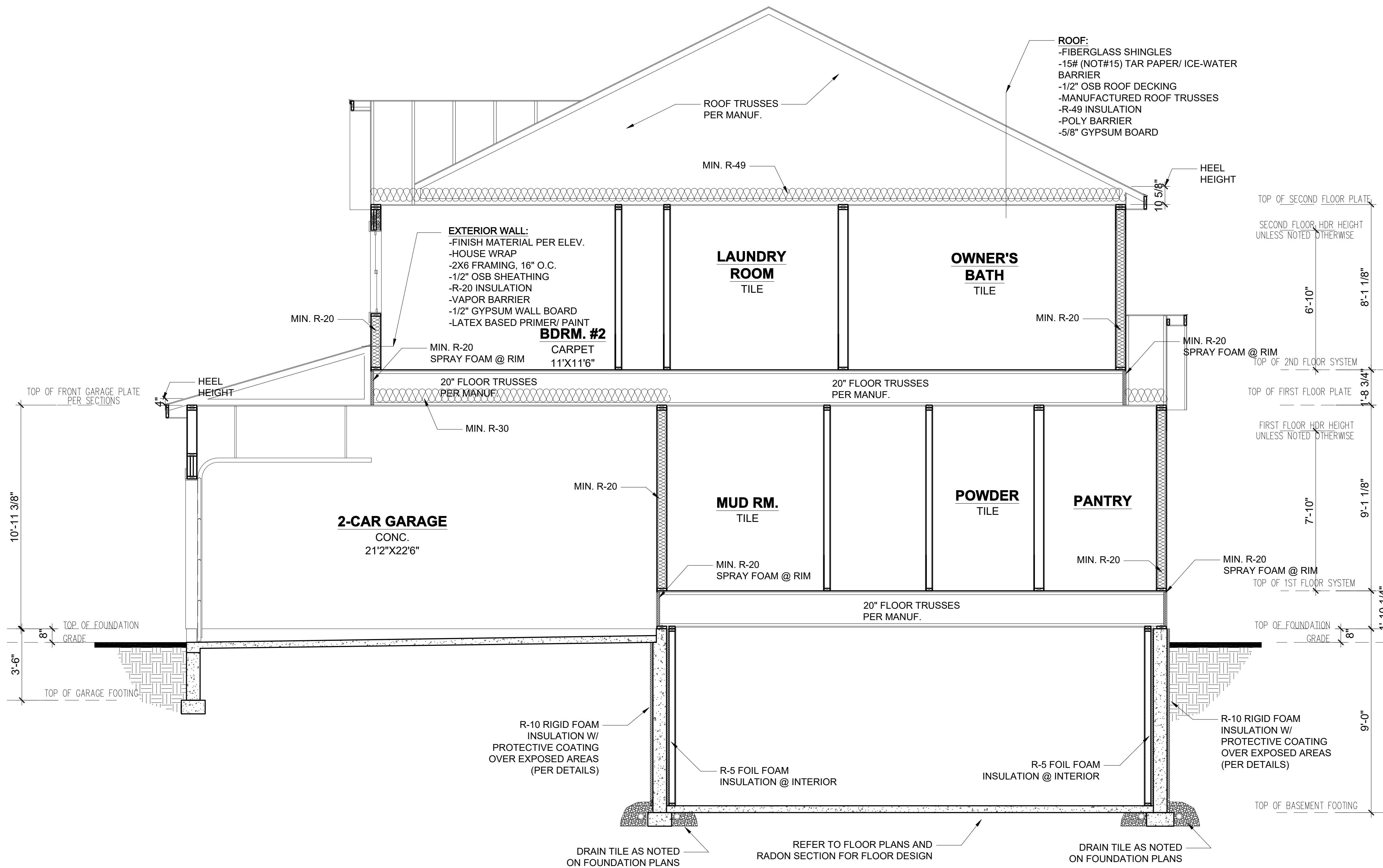


REVISION:	REV. DATE:	DRAWING TITLE: SPENCE DEVELOPMENTS HOME	ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED. © COPYRIGHT 2019	LITTFIN DESIGN	LITTFINDESIGN.COM MLITTFIN@HOTMAIL.COM 320-224-7844 WINSTED, MN	CURRENT DATE: 2-26-19	PAGE A6	PAGE DESCRIPTION: SECOND FLOOR PLAN SCALED PRINT @ 24X36
		LOCATION: 1948 PARKER STREET, MORA MN						



1 SECTION THROUGH PORCH/HOUSE
 3/8" = 1'-0"

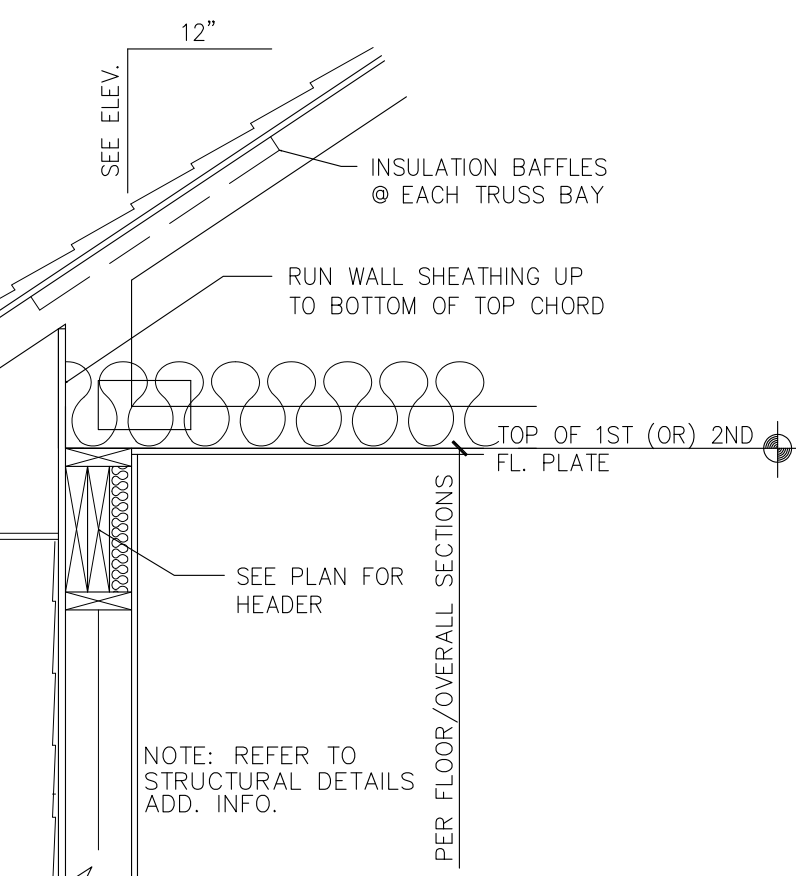
REVISION:	REV. DATE:	DRAWING TITLE: SPENCE DEVELOPMENTS HOME	ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED. © COPYRIGHT 2019		LITTFINDESIGN.COM MLITTFIN@HOTMAIL.COM 320-224-7844 WINSTED, MN	CURRENT DATE: 2-26-19	PAGE D1	PAGE DESCRIPTION: BUILDING SECTIONS
		LOCATION: 1948 PARKER STREET, MORA MN						SCALED PRINT @ 24X36



1 SECTION THROUGH GARAGE/HOUSE
3/8" = 1'-0"

REVISION:	REV. DATE:	DRAWING TITLE: SPENCE DEVELOPMENTS HOME	ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED. © COPYRIGHT 2019	 LITTFIN DESIGN	LITTFINDESIGN.COM MLITTFIN@HOTMAIL.COM 320-224-7844 WINSTED, MN	CURRENT DATE: 2-26-19	PAGE D2	PAGE DESCRIPTION: BUILDING SECTIONS SCALED PRINT @ 24X36
		LOCATION: 1948 PARKER STREET, MORA MN						

TYP. ROOF CONST.
 FIBERGLASS SHINGLES
 15# BUILDING PAPER
 2 COURSES ICE & WATER SHIELD
 15/32" OSB SHEATHING
 ENGINEERED ROOF TRUSSES PER PLANS
 R-49 MIN. INSULATION
 6 MIL POLY VAPOR BARRIER
 5/8" GYPSUM BOARD



FASCIA AND SOFFIT
 SOLID FASCIA
 SOLID MATERIAL SOFFIT (VENTED)
 2 x 6 SUB-FASCIA

EXTERIOR WALL CONST.
 SIDING (SEE EXTERIOR ELEV.)
 HOUSE WRAP
 1/2" OSB SHEATHING
 2X6 STUDS @ 16" O.C.
 R-20 BATT INSULATION
 6 MIL POLY VAPOR BARRIER
 1/2" GYPSUM BOARD

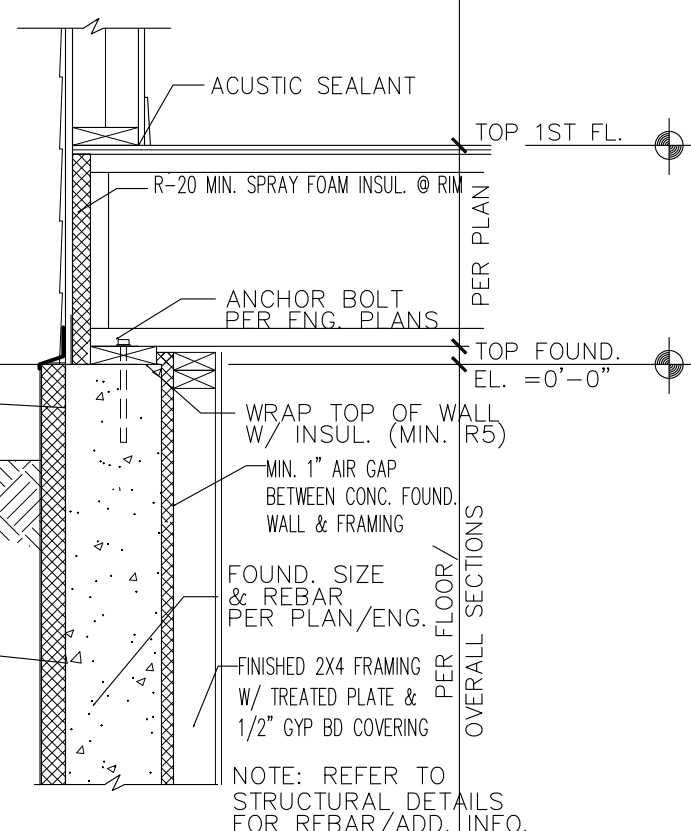
1 TYP. WALL SECTION @ EAVE
 3/4" = 1'-0"

TYPICAL FLOOR CONST.
 23/32" T&G OSB PLYWOOD
 (GLUED AND NAILED)
 FLOOR SYSTEM PER PLAN
 5/8" GYPSUM BOARD @ UNDERSIDE OF FLOOR

PROTECTIVE RIGID, OPAQUE AND WEATHER RESISTANT COVERING OVER FOAM INSUL. FROM TOP OF WALL TO 6" BELOW GRADE. ALSO APPLY 6-MIL POLY SLIP SHEET OVER ENTIRE FACE OF EXTERIOR RIGID FOUNDATION INSULATION.

WATERPROOFING ON EXT. SIDE OF ENTIRE FACE OF FOUND. WALL AS NOTED DIRECTLY BELOW

SILL PLATE
 2X6 TREATED SILL PLATE
 SILL SEALER
 ANCHOR BOLTS PER ENG.

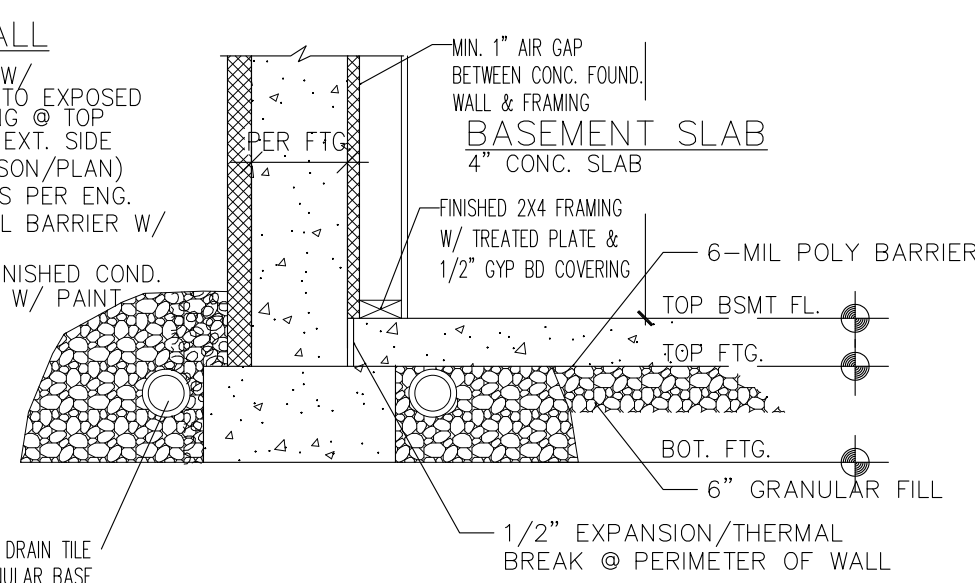


2 TYP. WALL SECT. @ 1ST FLOOR
 3/4" = 1'-0"

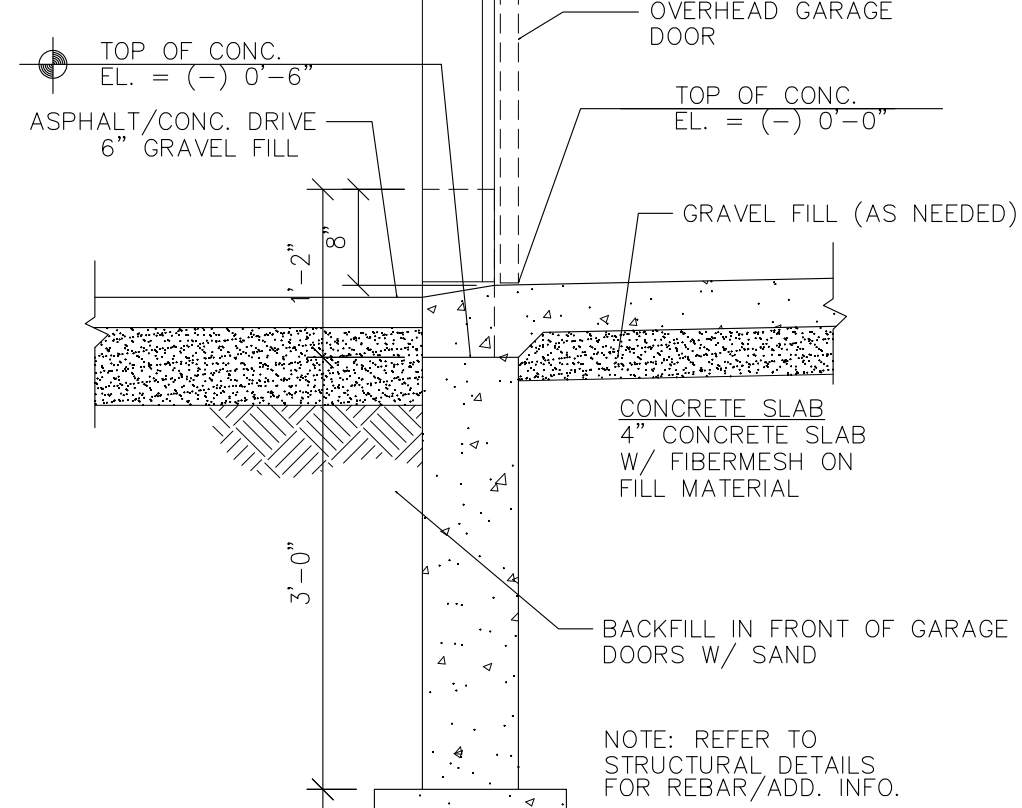
TYPICAL FOUND. WALL

R-10 RIGID FOAM INSULATION W/ PROTECTIVE COATING APPLIED TO EXPOSED PORTION OF FOAM W/ FLASHING @ TOP. WATERPROOFING MATERIAL ON EXT. SIDE POURED CONC. WALL (PER MASON/PLAN) REINFORCEMENT/ANCHOR BOLTS PER ENG. MIN. R-5 FOIL-FACED THERMAL BARRIER W/ SEALED EDGES AND SEAMS 2X4 STUD WALL, 16" O.C. @ FINISHED COND. 1/2" GYPSUM BD OVER STUDS W/ PAINT

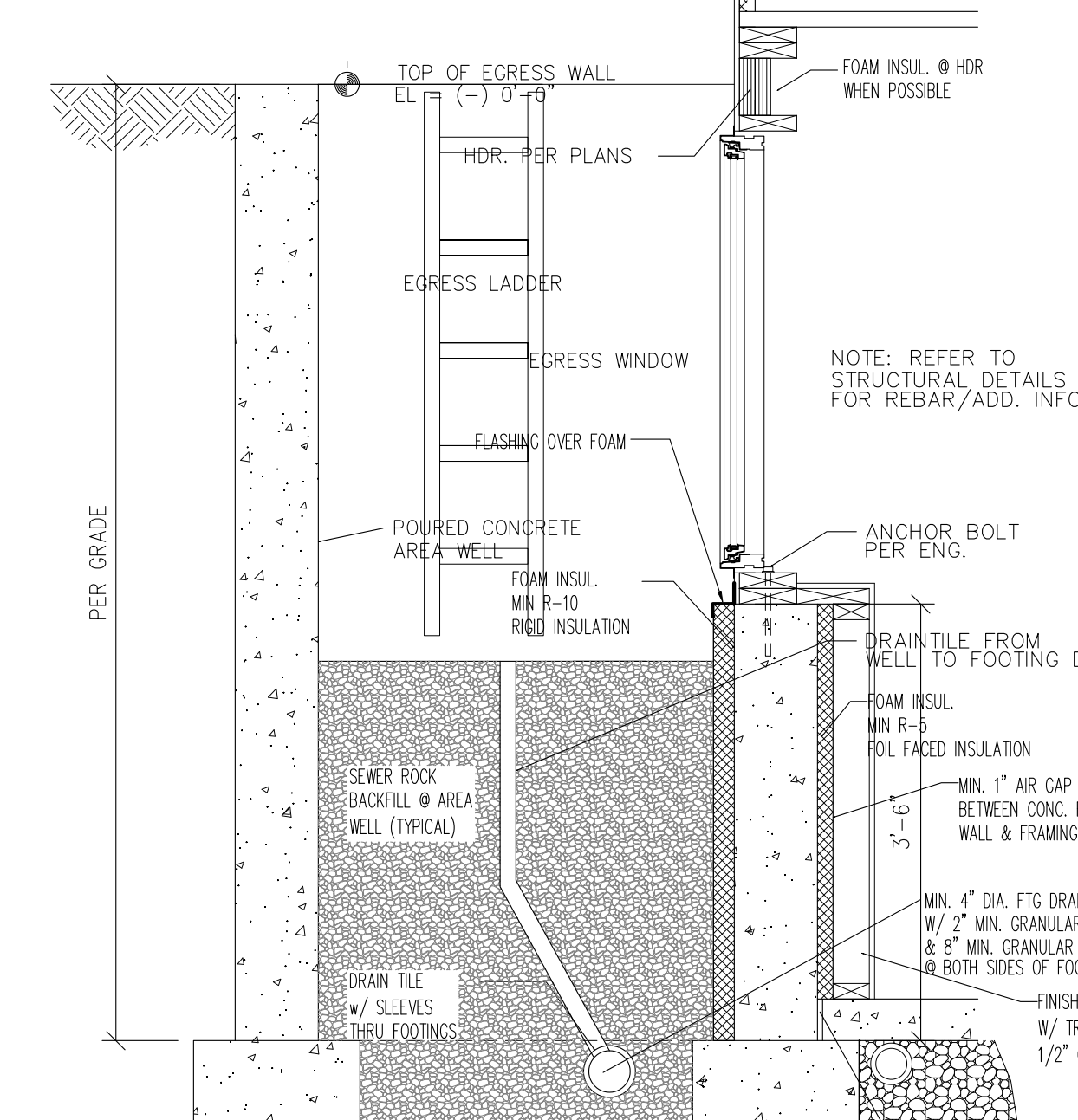
NOTE: REFER TO STRUCTURAL DETAILS FOR REBAR/ADD. INFO.



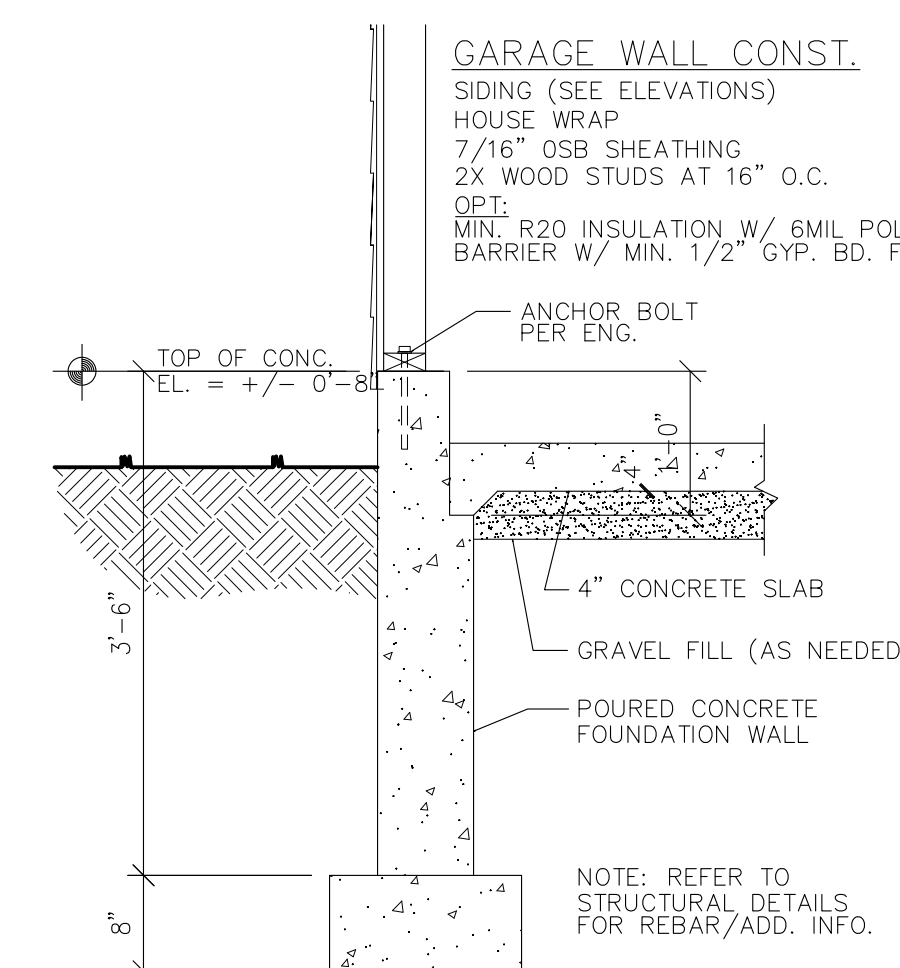
3 TYP. WALL SECT. @ FOOTING
 3/4" = 1'-0"



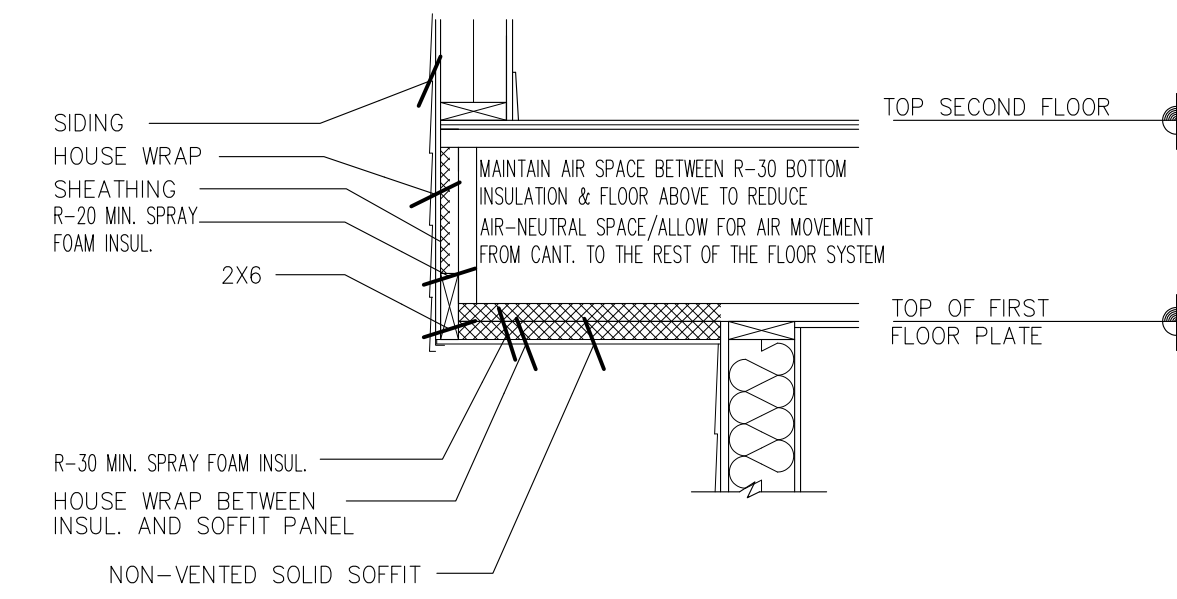
4 SILL @ GARAGE DR.
 3/4" = 1'-0"



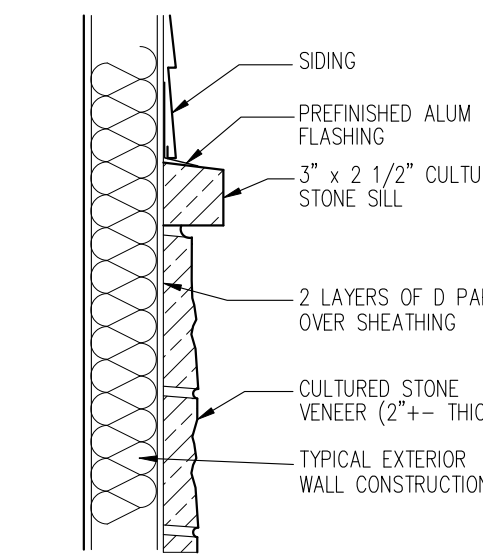
5 EGRESS WELL SECTION
 3/4" = 1'-0"



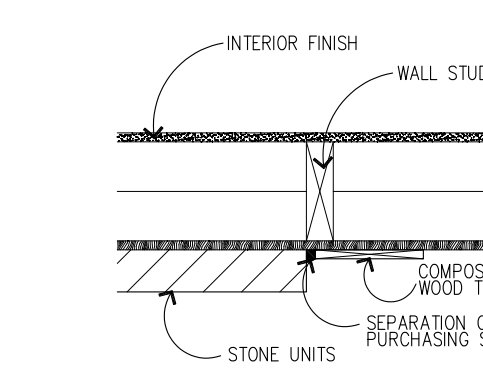
6 SIDE GARAGE WALL DETAIL
 3/4" = 1'-0"



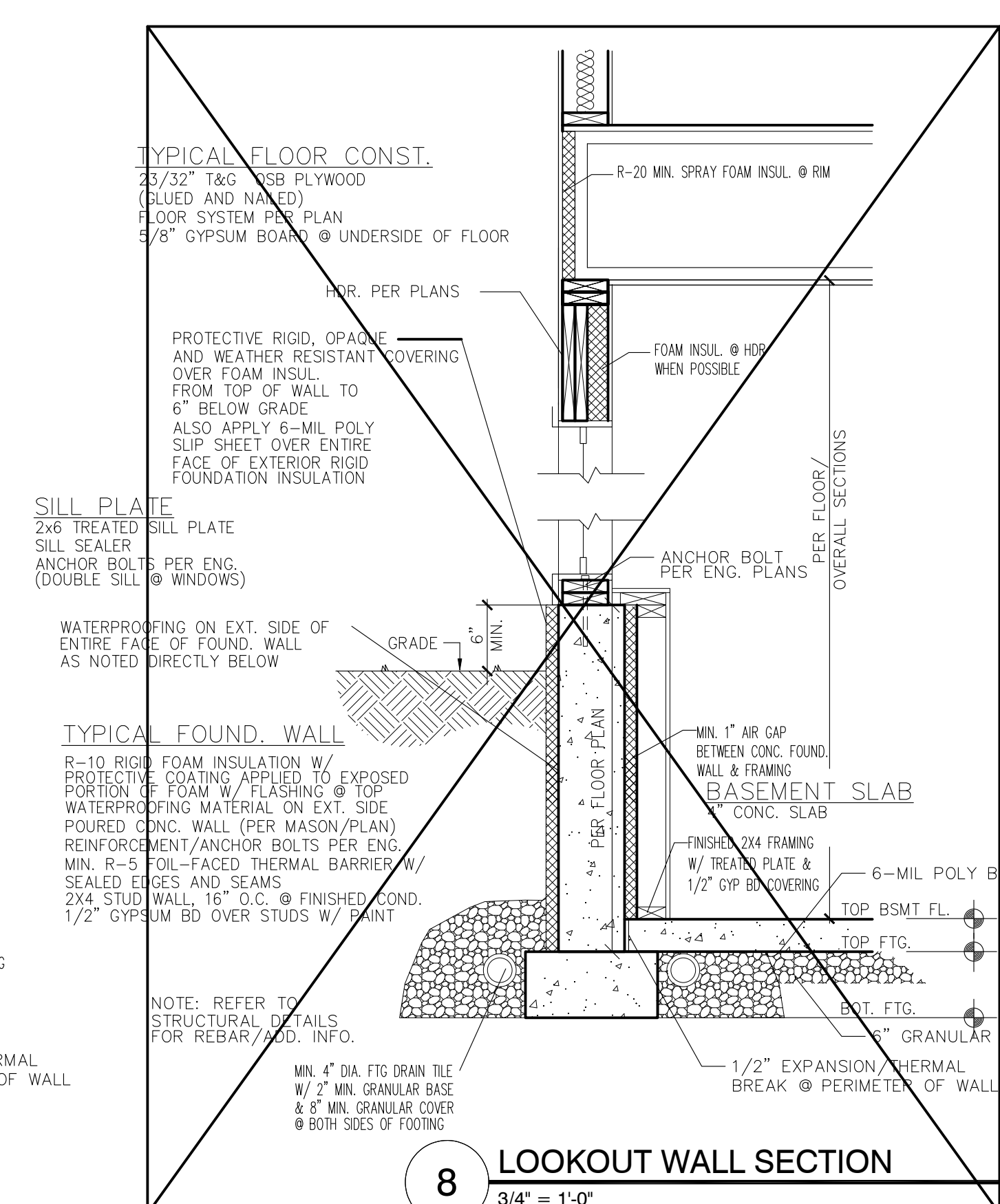
7 FLOOR CANTILEVER DETAIL
 3/4" = 1'-0"



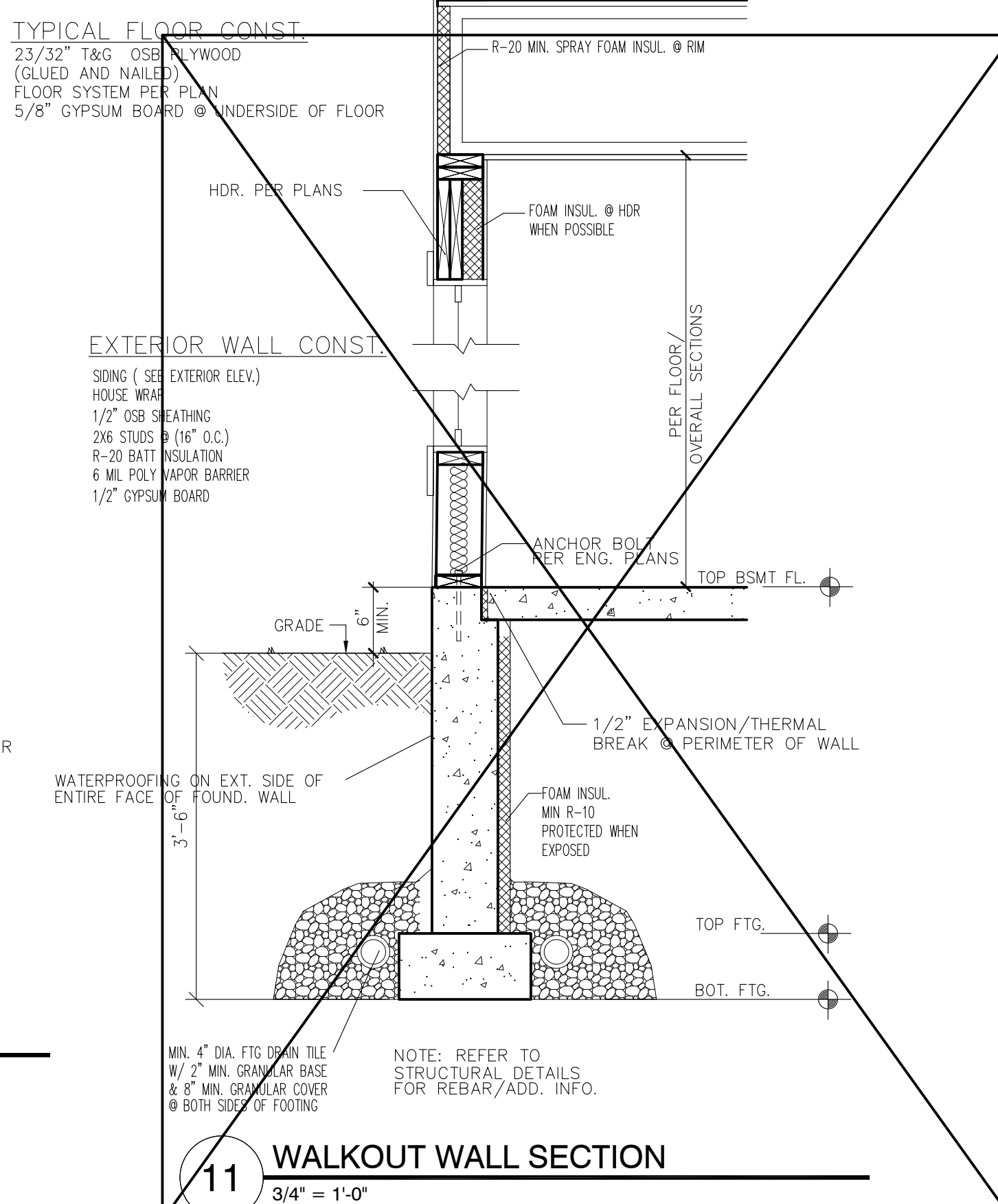
9 STONE VENEER
 3/4" = 1'-0"



10 STONE TO MASONRY CAULK DETAIL
 3/4" = 1'-0"

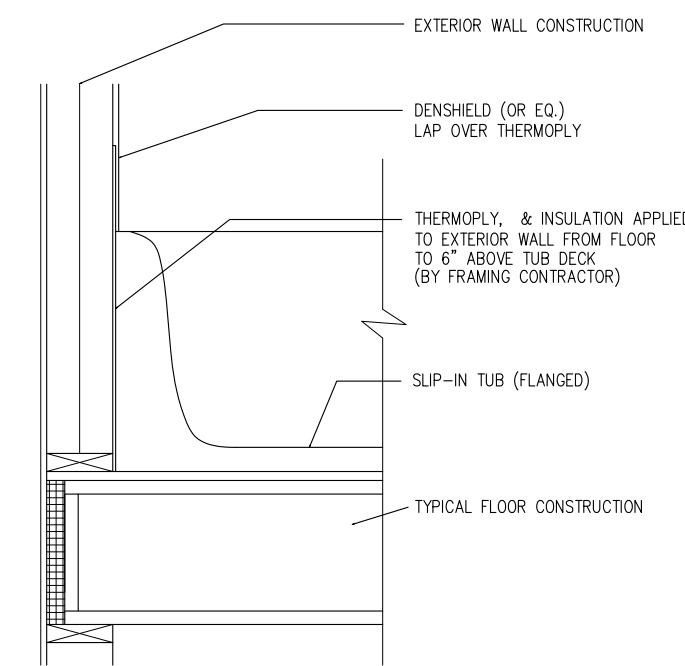


8 LOOKOUT WALL SECTION
 3/4" = 1'-0"

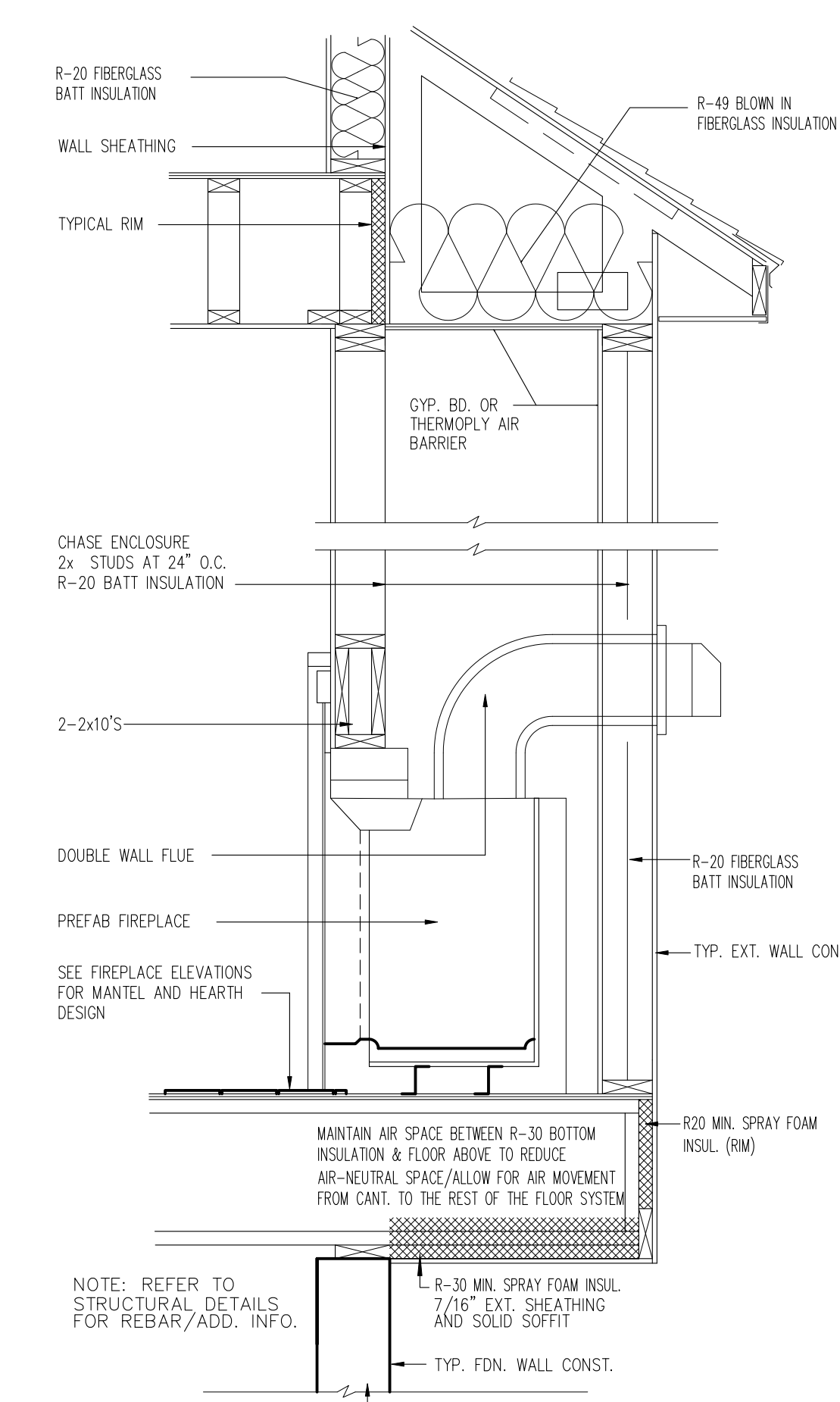


11 WALKOUT WALL SECTION
 3/4" = 1'-0"

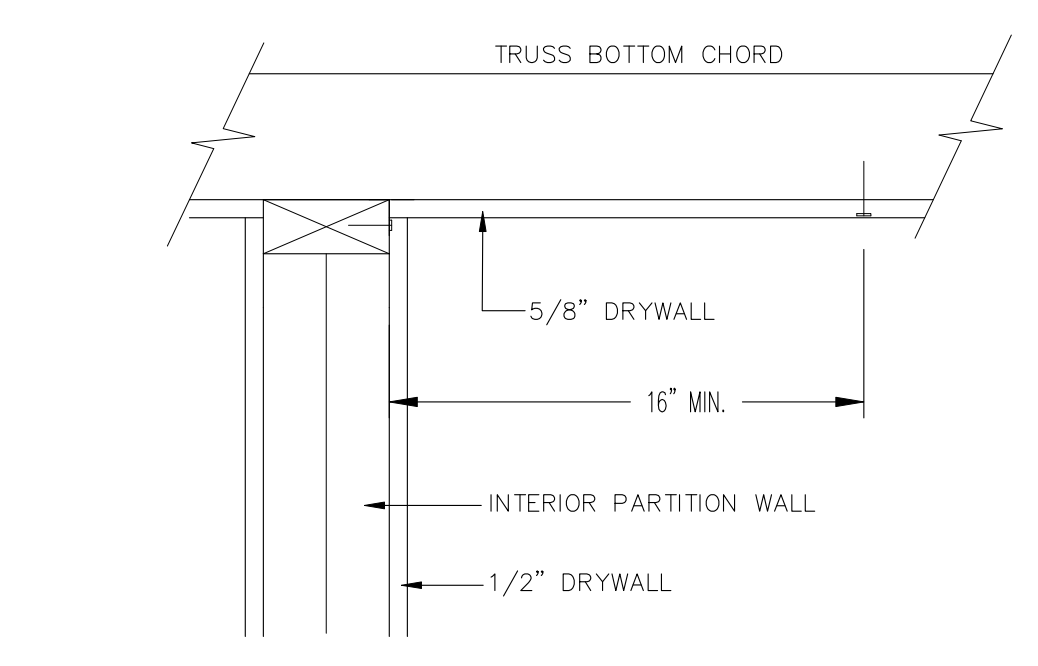
REVISION:	REV. DATE:	DRAWING TITLE: SPENCE DEVELOPMENTS HOME		CURRENT DATE: 2-26-19	PAGE D3	PAGE DESCRIPTION: DETAILS
		LOCATION: 1948 PARKER STREET, MORA MN		LITTFINDESIGN.COM MLITTFIN@HOTMAIL.COM 320-224-7844 WINSTED, MN		SCALED PRINT @ 24X36



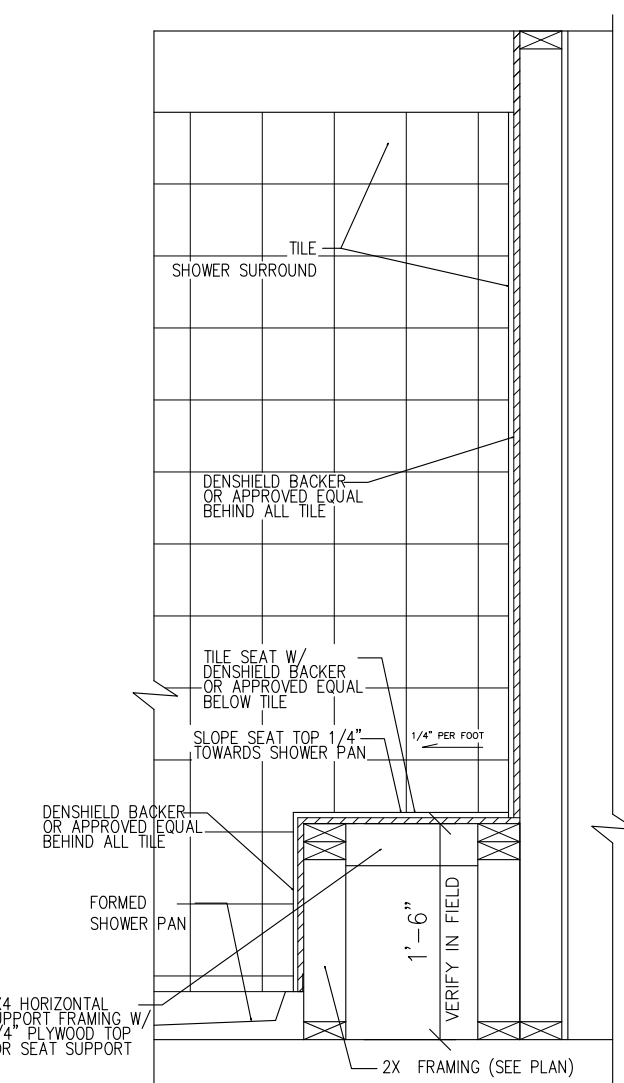
1 DRAFTSTOP @ TUB
3/4" = 1'-0"



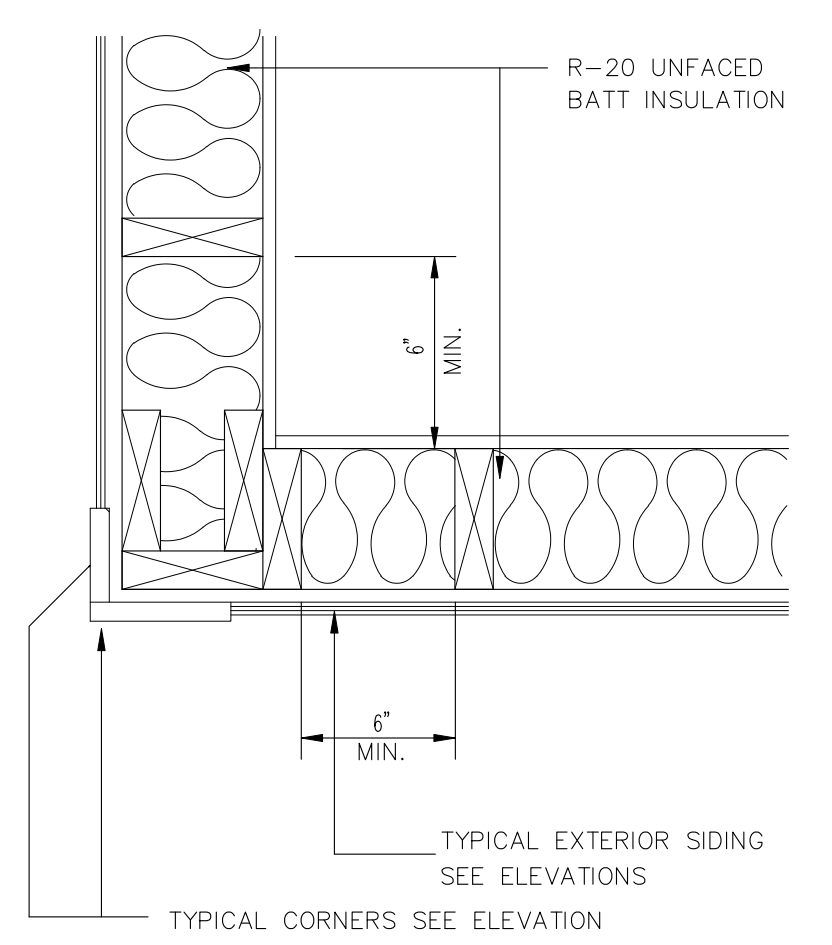
3 FIREPLACE CANTILEVER
3/4" = 1'-0"



4 ROOF TRUSS CONNECTION DETAIL
NONE

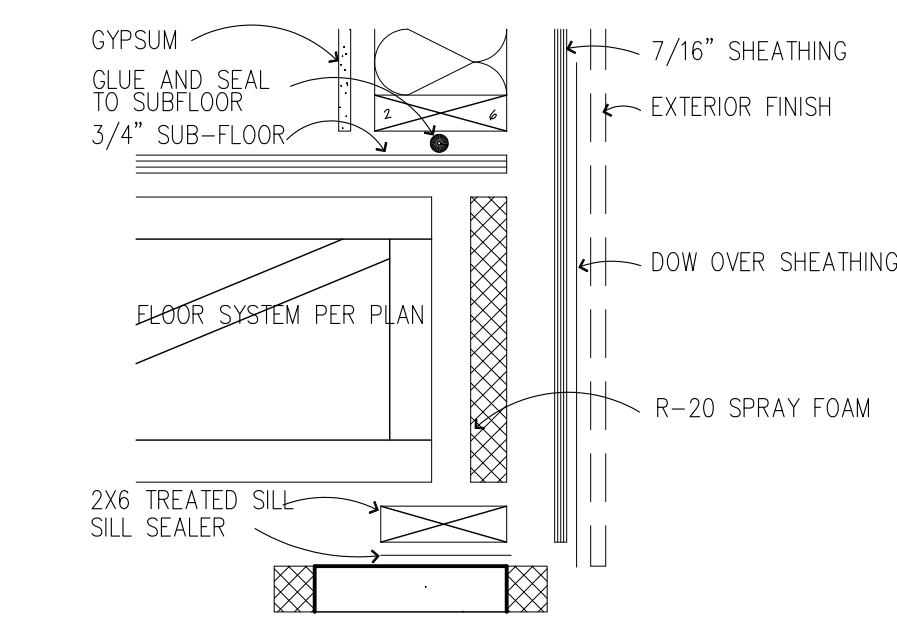


2 TUB/SHOWER 1/2 WALL
3/4" = 1'-0"

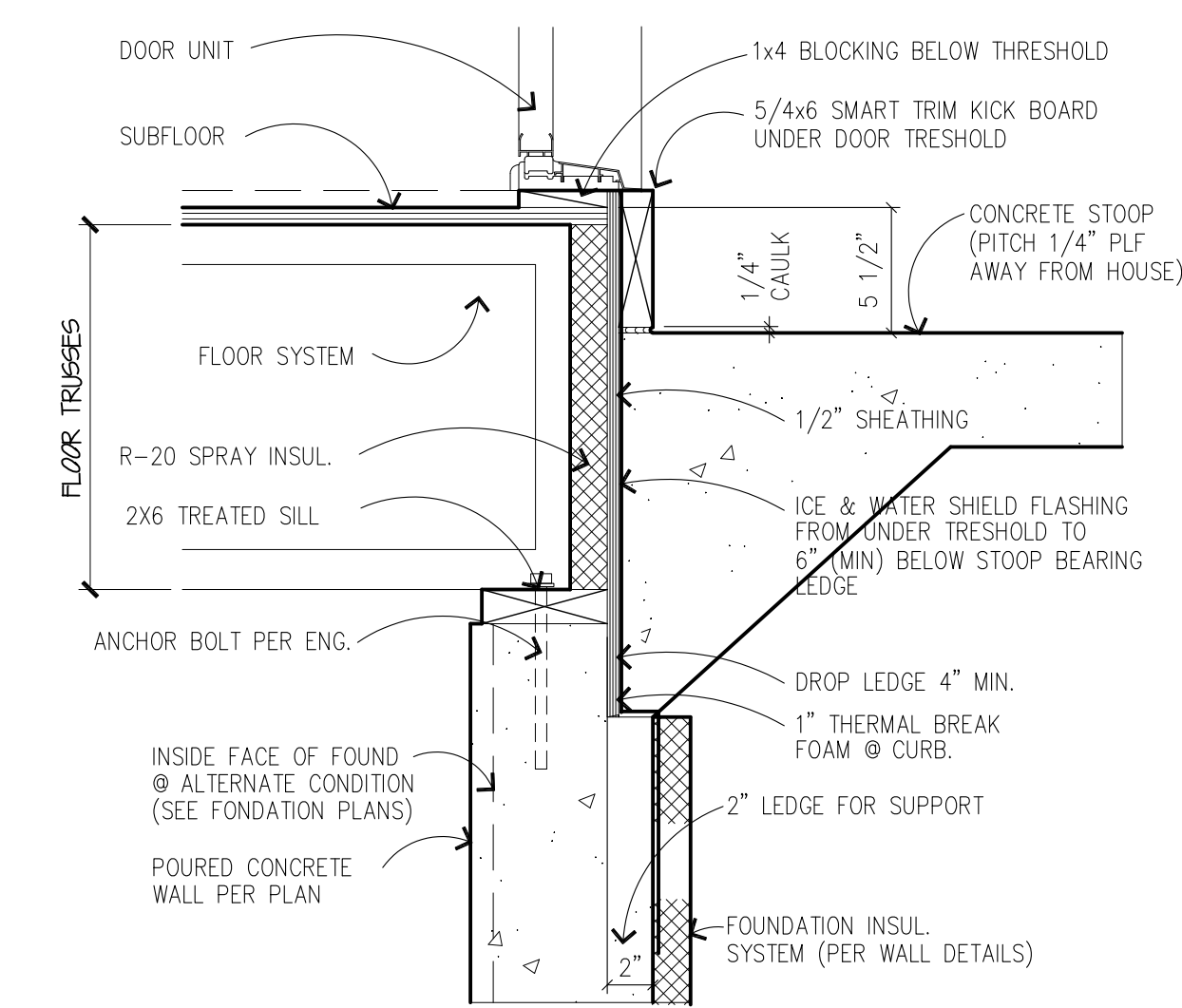


5 OUTSIDE CORNER DETAIL
NONE

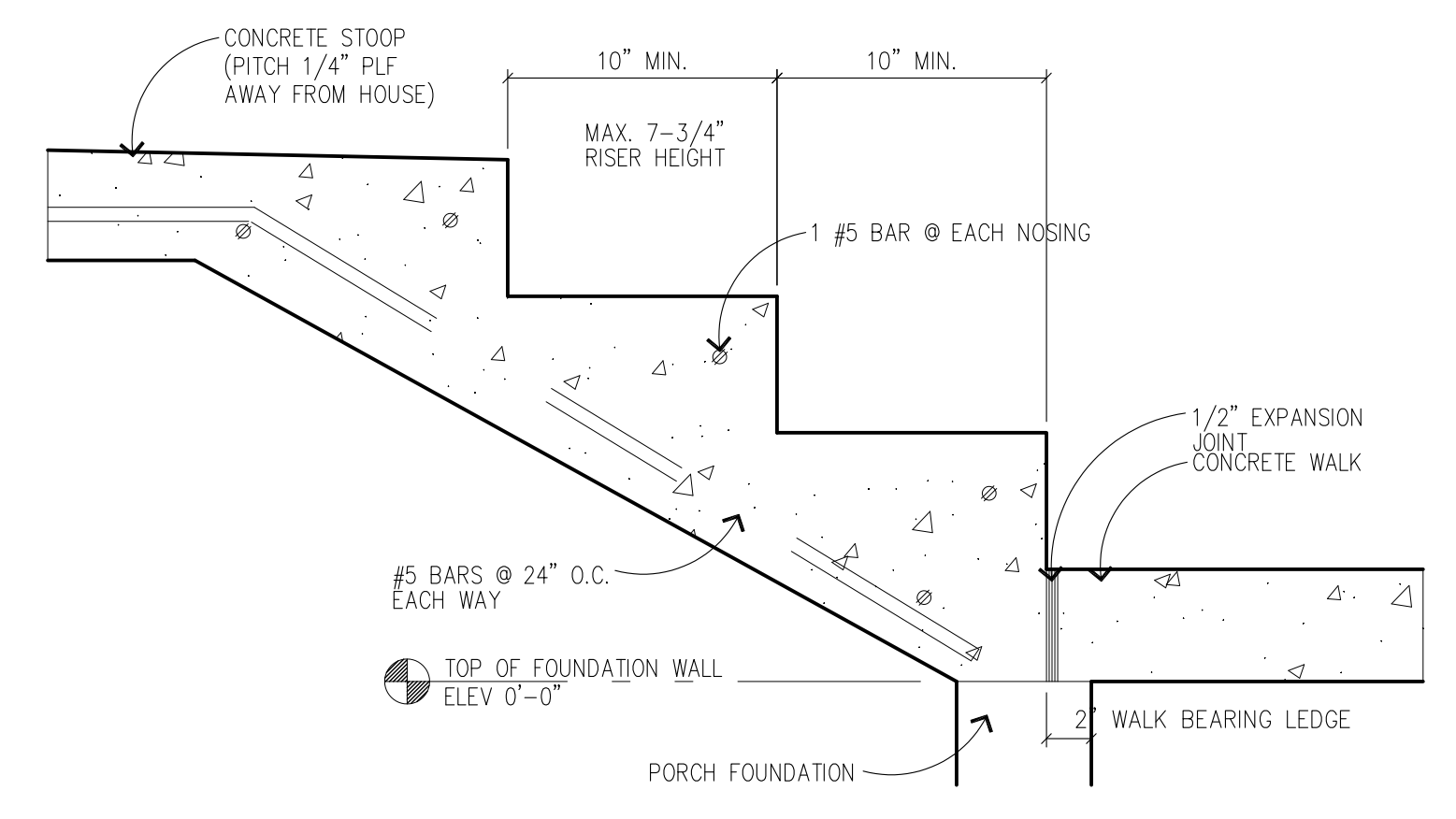
- GLUE AND SEAL THE SUBFLOOR AND PLATES @ EXTERIOR JOINTS
- POLY AND SEAL BEHIND ALL WALL, SOFFIT, TIES, AND FIREPLACES WHEN THEY MEET AN EXTERIOR WALL
- TAPE AND SEAL THE INTERIOR VAPOR BARRIER
- HOUSEWRAP @ RIMS, CORNERS, AND CANTILEVERS SEAMS AND EXTERIOR OPENINGS
- LESCO ELECTRICAL BOXES TO BE TAPED AND FOAMED
- WINDOW AND DOOR ROUGH OPENINGS TO BE SEALED WITH FOAM
- DUCT WORK TO BE TAPED (SUPPLIES AND RETURNS)
- MECHANICAL VENTILATION SYSTEM
- DIRECT VENT FURNACE AND POWER VENTED WATER HEATER
- BACK CAULK ALL WINDOW FLANGES AND THEN TAPE A STRIP OF TAPE OVER THE TOP
- ALL VENDORS MUST SEAL THEIR EXTERIOR PENETRATIONS (INCLUDING PLUMBING, HEATING, AND ELECTRICAL)
- CAULK SEAL ALL INTERIOR AND EXTERIOR VERTICAL JOINTS WHERE WALL PANELS MEET OR WALL PANELS MEET THE FND. WALL



6 ENERGY CODE RIM DETAIL
1-1/2" = 1'-0"



7 STOOP RIM DETAIL
1-1/2" = 1'-0"



8 STOOP STEP DETAIL
1-1/2" = 1'-0"

REVISION:	REV. DATE:

DRAWING TITLE: SPENCE DEVELOPMENTS HOME
LOCATION: 1948 PARKER STREET, MORA MN

ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED.
© COPYRIGHT 2019

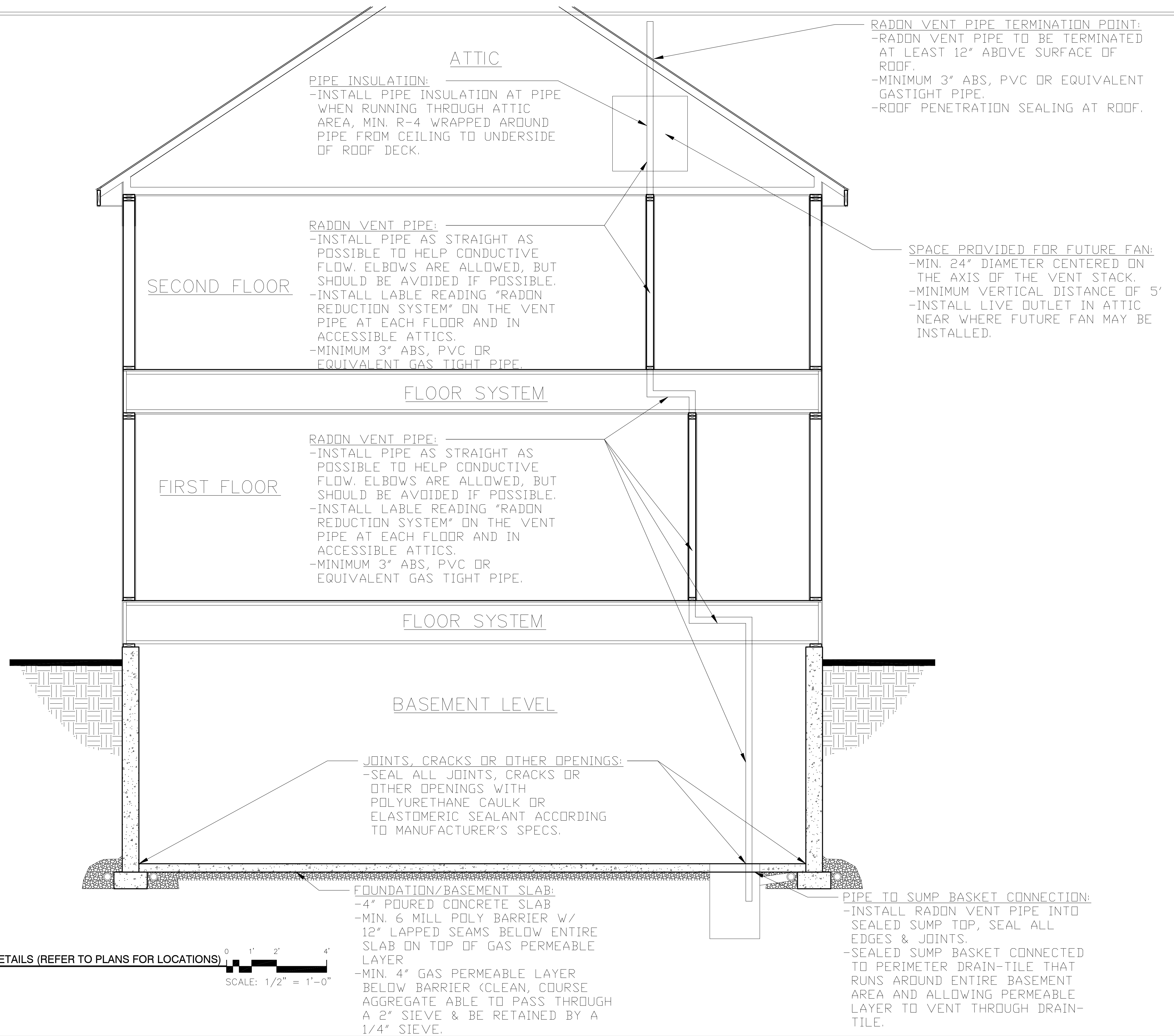


LITTFINDESIGN.COM
MLITTFIN@HOTMAIL.COM
320-224-7844
WINSTED, MN

CURRENT DATE:
2-26-19

PAGE
D4
PAGE DESCRIPTION:

DETAILS
SCALED PRINT @ 24X36



1 PASSIVE RADON SYSTEM DETAILS (REFER TO PLANS FOR LOCATIONS)
 1/2" = 1'-0"

SCALE: 1/2" = 1'-0"

REVISION:	REV. DATE:	DRAWING TITLE:	ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED.	CURRENT DATE:	PAGE	PAGE DESCRIPTION:
		SPENCE DEVELOPMENTS HOME	 LITTFIN DESIGN	2-26-19	R1	RADON DETAILS
		LOCATION: 1948 PARKER STREET, MORA MN		LITTFINDESIGN.COM MLITTFIN@HOTMAIL.COM 320-224-7844 WINSTED, MN		

ABRACED WALL NOTES:

1. ALL WALLS DESIGNED PER METHOD CS-WSP OF THE 2015 MN CODE.
2. ALL EXTERIOR WALLS ARE TO BE CONTINUOUSLY SHEATHED WITH A MINIMUM 3/8" THICK WOOD PANEL.
3. CONNECTION OF WOOD PANEL TO STUDS SHALL BE MIN. 8d COMMON NAILS, 6" O.C. AT EDGES & 12" O.C. AT FIELD OF WOOD PANEL.
4. STRUCTURAL PANELS (BRACED WALLS) SHALL BE LOCATED AT EACH END & AT LEAST EVERY 20' BETWEEN PANELS.
5. EXTERIOR BRACED WALL LINES SHALL HAVE A BRACED WALL PANEL AT EACH END OF THE BRACED WALL LINE, EXCEPT FOR:
 - BRACED WALL PANELS ARE PERMITTED TO BEGIN NO MORE THAN 10' FROM EACH END OF THE BRACED WALL LINE PROVIDED THAT A 24" PANEL MATCHING TABLE R602.10.7 IS APPLIED.
 - THE END OF EACH BRACED WALL PANEL CLOSEST TO THE CORNER SHALL HAVE A TIE-DOWN DEVICE FASTENED TO THE STUD AT THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER AND TO THE FOUNDATION OR FRAMING BELOW. THE TIE-DOWN DEVICE SHALL BE CAPABLE OF PROVIDING AN UPLIFT ALLOWABLE DESIGN VALUE OF AT LEAST 1800 LBS. THE TIE-DOWN DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

6. INTERIOR BRACED WALL LINES SHALL BE DESIGNED/BUILT PER INTERMITTENT METHOD "GB".

- MINIMUM 1/2" GYPSUM BOARD APPLIED TO EACH SIDE OF 2X4 (OR) 2X6 STUD WALL @ 16" O.C. SPACING OF STUDS W/ DOUBLE TOP PLATE AND SINGLE BTM.
- ATTACH GYPSUM TO STUDS W/ 1-1/4" SCREWS (TYPE W OR S), 7" O.C. AT EDGE & 7" O.C. AT FIELD.
- ALL GYPSUM BOARD JOINTS TO BE SOLID BLOCKED W/ 2X MATERIAL

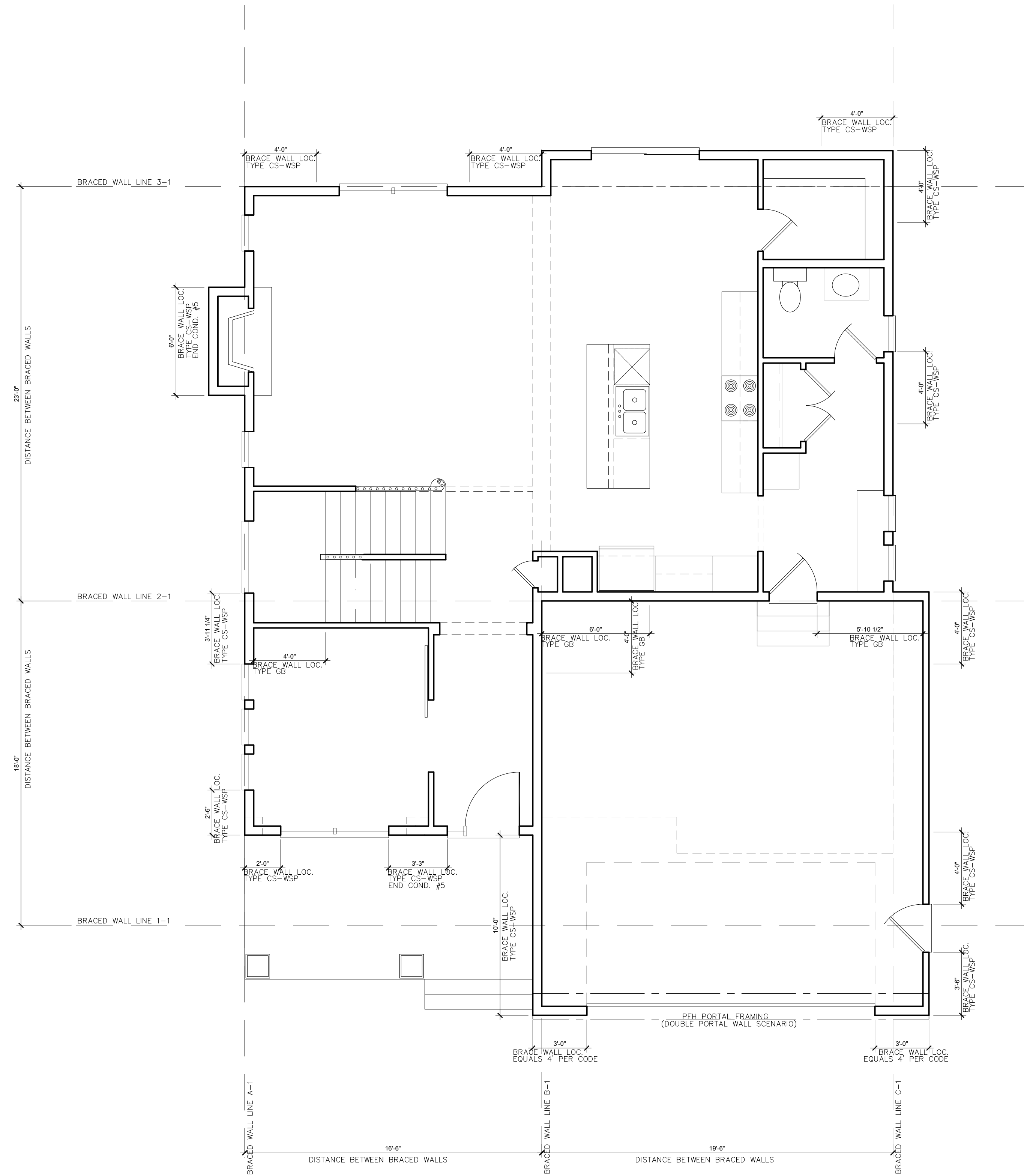
7. (PERPENDICULAR WALL/FLOOR) ALL FLOOR SYSTEMS BETWEEN BRACED WALL PANELS TO HAVE A MIN. 2X4 TOP & BOTTOM BLOCKING BOARD PARALLEL TO BRACED WALL PANELS W/ MIN. (3)16d NAILS ATTACHING BOTTOM/TOP OF BRACED PANEL PLATE TO FLOOR SYSTEM AT BRACED PANEL WIDTH ONLY. 2X4 BLOCKING TO BE SET BETWEEN FLOOR SYSTEM MEMBERS. SOLID RIM MAY BE USED (FIG. 5 & 6).

8. (PERPENDICULAR WALL/ROOF) APPLY 2X SOLID BLOCKING BETWEEN ROOF SYSTEM MEMBERS OVER BRACED WALL PANELS W/ 8d NAILS AT 6" O.C. ALONG LENGTH OF BRACED WALL PANELS WHEN HEEL IS 15.25" OR LESS (FIGURE 3, REFER TO FIG. #4 WHEN OVER 15.25").

9. NOTE: NOTES 7 & 8 ABOVE APPLY TO PERPENDICULAR FRAMING, WHEN PARALLEL FLOORS/ROOF SYSTEMS ARE PRESENT, THE FLOOR/ROOF SYSTEM IS TO HAVE BLOCKING MATERIAL ALLOWING FOR NAILING OF BRACED WALL PANEL INTO SYSTEM ABOVE/BELOW SAID WALL (FIGURE 6).

BRACED WALL PANEL UPLIFT LOAD PATH:

1. BRACED WALL PANELS LOCATED AT EXTERIOR WALLS THAT SUPPORT ROOF RAFTERS OR TRUSSES (INCLUDING STORIES BELOW TOP STORY) SHALL HAVE THE FRAMING MEMBERS CONNECTED IN ACCORDANCE WITH:
 - WHERE THE NET UPLIFT VALUE AT THE TOP OF A WALL EXCEEDS 100 PLF, INSTALLING APPROVED UPLIFT FRAMING CONNECTORS TO PROVIDE A CONTINUOUS LOAD PATH FROM THE TOP OF THE WALL TO THE FOUNDATION OR TO A POINT WHERE THE UPLIFT FORCE IS 100 PLF OR LESS. THE NET UPLIFT VALUE SHALL BE AS DETERMINED BY ONE OF THE FOLLOWING:
 - 1.1 THE BASIC WIND SPEED DOES NOT EXCEED 90 MPH, THE WIND EXPOSURE CATEGORY IS B, THE ROOF PITCH IS 5:12 OR GREATER, AND THE ROOF SPAN IS 32' OR LESS
 - (OR)
 - 1.2 THE NET UPLIFT VALUE AT THE TOP OF A WALL DOES NOT EXCEED 100 PLF. THE NET UPLIFT VALUE SHALL BE DETERMINED IN ACCORDANCE WITH SECTION R802.11 AND SHALL BE PERMITTED TO BE REDUCED BY 60 PLF FOR EACH FULL WALL ABOVE.
 2. WHERE THE UPLIFT FORCE DOES NOT EXCEED 200 POUNDS, RAFTERS AND TRUSSES SPACED NOT MORE THAN 24 INCHES ON CENTER SHALL BE PERMITTED TO BE ATTACHED TO THEIR SUPPORTING WALL ASSEMBLIES IN ACCORDANCE WITH TABLE R602.3(1)
 - RAFTER OR ROOF TRUSS TO PLATE, TOE NAIL:
 - MINIMUM (3) 16d BOX NAILS OR (3) 10d COMMON NAILS. (2) TOE NAILS ON ON EISDE AND (1) TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS. (MANUF. METAL CONNECTOR MAY BE SUBSTITUED, VERIFY W/ MANUF. DETAILS).
 - WALL PANEL TO STUDS:
 - CONNECTION OF WOOD PANEL TO STUDS SHALL BE MIN. 6d COMMON NAILS, 6" O.C. AT EDGES & 12" O.C. AT FIELD OF WOOD PANEL.



1 FIRST FLOOR BRACED WALL PLAN
SCALE: 1/4" = 1'-0" 1094 FINISHED SQUARE FEET

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

REVISION:	REV. DATE:

DRAWING TITLE: SPENCE DEVELOPMENTS HOME
LOCATION: 1948 PARKER STREET, MORA MN

ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED.
© COPYRIGHT 2019



LITTFINDESIGN.COM
MLITTFIN@HOTMAIL.COM
320-224-7844
WINSTED, MN

CURRENT DATE:
2-26-19

PAGE
L **S1** D

PAGE DESCRIPTION:
WALL BRACING PLAN
SCALED PRINT @ 24X36

ABRACED WALL NOTES:

1. ALL WALLS DESIGNED PER METHOD CS-WSP OF THE 2015 MN CODE.
2. ALL EXTERIOR WALLS ARE TO BE CONTINUOUSLY SHEATHED WITH A MINIMUM 3/8" THICK WOOD PANEL.
3. CONNECTION OF WOOD PANEL TO STUDS SHALL BE MIN. 8d COMMON NAILS, 6" O.C. AT EDGES & 12" O.C. AT FIELD OF WOOD PANEL.
4. STRUCTURAL PANELS (BRACED WALLS) SHALL BE LOCATED AT EACH END & AT LEAST EVERY 20' BETWEEN PANELS.
5. EXTERIOR BRACED WALL LINES SHALL HAVE A BRACED WALL PANEL AT EACH END OF THE BRACED WALL LINE, EXCEPT FOR:
 - BRACED WALL PANELS ARE PERMITTED TO BEGIN NO MORE THAN 10' FROM EACH END OF THE BRACED WALL LINE PROVIDED THAT A 24" PANEL MATCHING TABLE R602.10.7 IS APPLIED.
 - THE END OF EACH BRACED WALL PANEL CLOSEST TO THE CORNER SHALL HAVE A TIE-DOWN DEVICE FASTENED TO THE STUD AT THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER AND TO THE FOUNDATION OR FRAMING BELOW. THE TIE-DOWN DEVICE SHALL BE CAPABLE OF PROVIDING AN UPLIFT ALLOWABLE DESIGN VALUE OF AT LEAST 1800 LBS. THE TIE-DOWN DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

6. INTERIOR BRACED WALL LINES SHALL BE DESIGNED/BUILT PER INTERMITTENT METHOD "GB".

- MINIMUM 1/2" GYPSUM BOARD APPLIED TO EACH SIDE OF 2X4 (OR) 2X6 STUD WALL @ 16" O.C. SPACING OF STUDS W/ DOUBLE TOP PLATE AND SINGLE BTM.
- ATTACH GYPSUM TO STUDS W/ 1-1/4" SCREWS (TYPE W OR S), 7" O.C. AT EDGE & 7" O.C. AT FIELD.
- ALL GYPSUM BOARD JOINTS TO BE SOLID BLOCKED W/ 2X MATERIAL

7. (PERPENDICULAR WALL/FLOOR)

- ALL FLOOR SYSTEMS BETWEEN BRACED WALL PANELS TO HAVE A MIN. 2X4 TOP & BOTTOM BLOCKING BOARD PARALLEL TO BRACED WALL PANELS W/ MIN. (3)16d NAILS ATTACHING BOTTOM/TOP OF BRACED PANEL PLATE TO FLOOR SYSTEM AT BRACED PANEL WIDTH ONLY. 2X4 BLOCKING TO BE SET BETWEEN FLOOR SYSTEM MEMBERS. SOLID RIM MAY BE USED (FIG. 5 & 6).

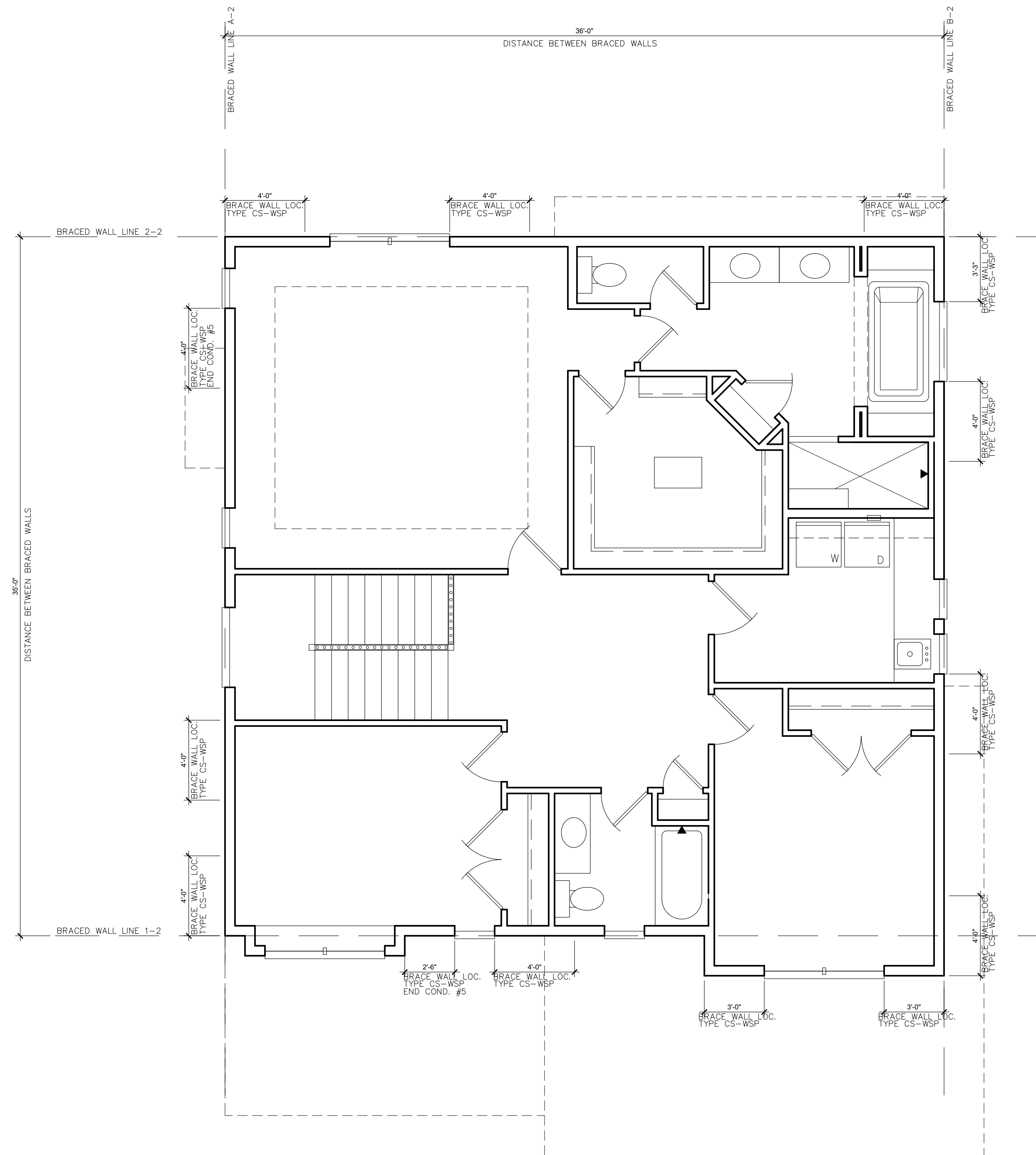
8. (PERPENDICULAR WALL/ROOF)

- APPLY 2X SOLID BLOCKING BETWEEN ROOF SYSTEM MEMBERS OVER BRACED WALL PANELS W/ 8d NAILS AT 6" O.C. ALONG LENGTH OF BRACED WALL PANELS WHEN HEEL IS 15.25" OR LESS (FIGURE 3, REFER TO FIG. #4 WHEN OVER 15.25").

9. NOTE: NOTES 7 & 8 ABOVE APPLY TO PERPENDICULAR FRAMING, WHEN PARALLEL FLOORS/ROOF SYSTEMS ARE PRESENT, THE FLOOR/ROOF SYSTEM IS TO HAVE BLOCKING MATERIAL ALLOWING FOR NAILING OF BRACED WALL PANEL INTO SYSTEM ABOVE/BELOW SAID WALL (FIGURE 6).

BRACED WALL PANEL UPLIFT LOAD PATH:

1. BRACED WALL PANELS LOCATED AT EXTERIOR WALLS THAT SUPPORT ROOF RAFTERS OR TRUSSES (INCLUDING STORIES BELOW TOP STORY) SHALL HAVE THE FRAMING MEMBERS CONNECTED IN ACCORDANCE WITH:
 - WHERE THE NET UPLIFT VALUE AT THE TOP OF A WALL EXCEEDS 100 PLF, INSTALLING APPROVED UPLIFT FRAMING CONNECTORS TO PROVIDE A CONTINUOUS LOAD PATH FROM THE TOP OF THE WALL TO THE FOUNDATION OR TO A POINT WHERE THE UPLIFT FORCE IS 100 PLF OR LESS. THE NET UPLIFT VALUE SHALL BE AS DETERMINED BY ONE OF THE FOLLOWING:
 - 1.1 THE BASIC WIND SPEED DOES NOT EXCEED 90 MPH, THE WIND EXPOSURE CATEGORY IS B, THE ROOF PITCH IS 5:12 OR GREATER, AND THE ROOF SPAN IS 32' OR LESS
 - (OR)
 - 1.2 THE NET UPLIFT VALUE AT THE TOP OF A WALL DOES NOT EXCEED 100 PLF. THE NET UPLIFT VALUE SHALL BE DETERMINED IN ACCORDANCE WITH SECTION R802.11 AND SHALL BE PERMITTED TO BE REDUCED BY 60 PLF FOR EACH FULL WALL ABOVE.
 2. WHERE THE UPLIFT FORCE DOES NOT EXCEED 200 POUNDS, RAFTERS AND TRUSSES SPACED NOT MORE THAN 24 INCHES ON CENTER SHALL BE PERMITTED TO BE ATTACHED TO THEIR SUPPORTING WALL ASSEMBLIES IN ACCORDANCE WITH TABLE R602.3(1)
 - RAFTER OR ROOF TRUSS TO PLATE, TOE NAIL:
 - MINIMUM (3) 16d BOX NAILS OR (3) 10d COMMON NAILS. (2) TOE NAILS ON ON EISDE AND (1) TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS. (MANUF. METAL CONNECTOR MAY BE SUBSTITUED, VERIFY W/ MANUF. DETAILS).
 - WALL PANEL TO STUDS:
 - CONNECTION OF WOOD PANEL TO STUDS SHALL BE MIN. 6d COMMON NAILS, 6" O.C. AT EDGES & 12" O.C. AT FIELD OF WOOD PANEL.



1 SECOND FLOOR BRACED WALL PLAN
SCALE: 1/4" = 1'-0" 1210 FINISHED SQUARE FEET

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

REVISION:	REV. DATE:

DRAWING TITLE: SPENCE DEVELOPMENTS HOME
LOCATION: 1948 PARKER STREET, MORA MN

ALL PLANS & DESIGNS SHOWN ARE THE PROPERTY OF LITTFIN DESIGN. USE OF THESE PLANS ON ANY OTHER PROJECT/LOT OTHER THAN NOTED ON THIS TITLEBLOCK WITHOUT THE WRITTEN CONSENT OF LITTFIN DESIGN IS PROHIBITED.
© COPYRIGHT 2019



LITTFINDESIGN.COM
MLITTFIN@HOTMAIL.COM
320-224-7844
WINSTED, MN

CURRENT DATE: 2-26-19

PAGE L S2 D

PAGE DESCRIPTION: WALL BRACING PLAN SCALED PRINT @ 24X36

TABLE R602.10.5 MINIMUM LENGTH OF BRACED WALL PANELS							
METHOD (SEE TABLE R602.10.4)	ADJACENT CLEAR OPENING HEIGHT (inches)	MINIMUM LENGTH 'a' (inches)					CONTRIBUTING LENGTH (inches)
		WALL HEIGHT					
		8 Feet	9 Feet	10 Feet	11 Feet	12 Feet	
CS-WSP, CS-SFB	≤ 64	24	27	30	33	36	ACTUAL 'b'
	68	26	27	30	33	36	
	72	27	27	30	33	36	
	76	30	29	30	33	36	
	80	32	30	32	33	36	
	84	35	32	32	33	36	
	88	38	35	33	33	36	
	92	43	37	35	35	36	
	96	48	41	38	36	36	
	100		44	40	38	38	
	104		49	43	40	39	
	108		54	46	43	41	
	112			50	45	43	
	116			55	48	45	
	120			60	52	48	
	124				56	51	
	128				61	54	
132				66	58		
136					62		
140					66		
144					72		

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s.
 NP- Not Permitted.
 a. Linear interpolation shall be permitted.
 b. Use the actual length when it is greater than or equal to the minimum length.
 c. Maximum header height for PHF is 10 feet in accordance with Figure R602.10.6.2, but wall height may be increased to 12 feet with pony wall.
 d. Maximum opening height for PFG is 10 feet in accordance with Figure R602.10.6.3, but wall height may be increased to 12 feet with pony wall.
 e. Maximum opening height for CS-PF is 10 feet in accordance with Figure R602.10.6.4, but wall height may be increased to 12 feet with pony wall.

TABLE R602.10.6.4 TENSION STRAP CAPACITY REQUIRED FOR RESISTING WINDOW PRESSURES PERPENDICULAR TO METHOD PFH, PFG AND CS-PF BRACED WALL PANELS									
MINIMUM WALL STUD FRAMING NOMINAL SIZE AND GRADE	MAXIMUM PONY WALL WALL HEIGHT (feet)	MAXIMUM TOTAL WALL HEIGHT (feet)	MAXIMUM OPENING WIDTH (feet)	TENSION STRAP CAPACITY REQUIRED (pounds) 'a,b					
				Basic Wind Speed (mph)					
				Exposure B			Exposure C		
2x4 No. 2 Grade	0	10	18	1000	1000	1000	1000	1000	1000
				9	1000	1000	1000	1000	1275
				16	1000	1000	1750	1800	2325
	1	10	18	1000	1200	2100	2175	2725	DR
				9	1000	1000	1025	1075	1550
				16	1525	2025	3125	3200	3900
	2	10	18	1875	2400	3575	3700	4000	DR
				9	1000	1200	2075	2125	2750
				16	2600	3200	DR	DR	DR
	4	12	18	1775	2350	3500	3550	DR	DR
				16	4715	DR	DR	DR	DR
				9	1000	1000	1325	1375	1750
2x6 Stud Grade	2	12	16	1650	2050	2925	3000	3550	DR
			18	2025	2450	3425	3500	4100	
			9	1125	1500	2225	2275	2775	
	4	12	16	2650	3150	DR	DR	DR	DR
			18	3125	3675	DR	DR	DR	
			9	1000	1000	1325	1375	1750	

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound = 4.45N.
 a. DR = design required.
 b. Strap shall be installed in accordance with manufacturer's recommendations.

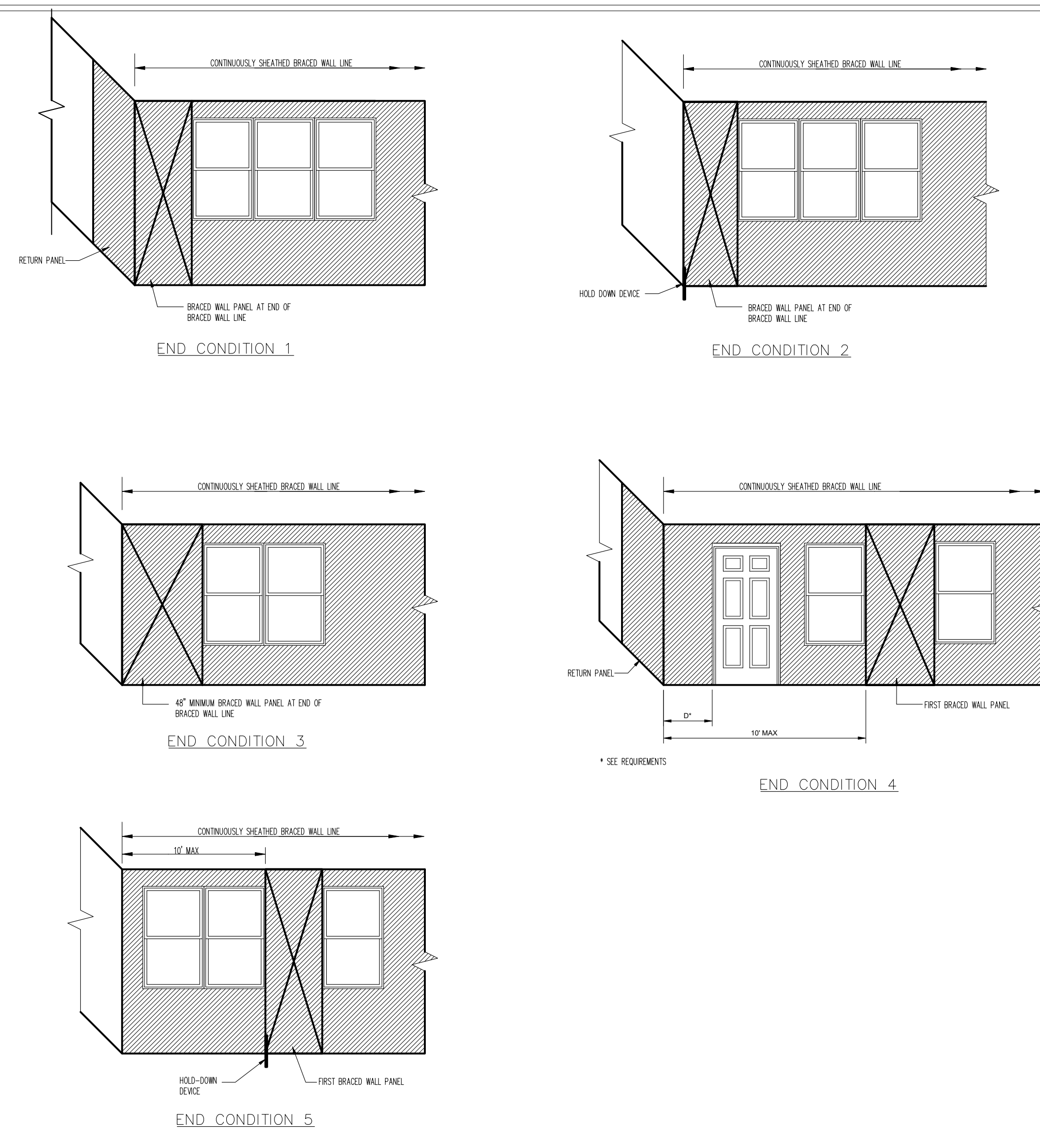


FIGURE 7
END CONDITIONS FOR BRACED WALL LINES WITH CONTINUOUS SHEATHING

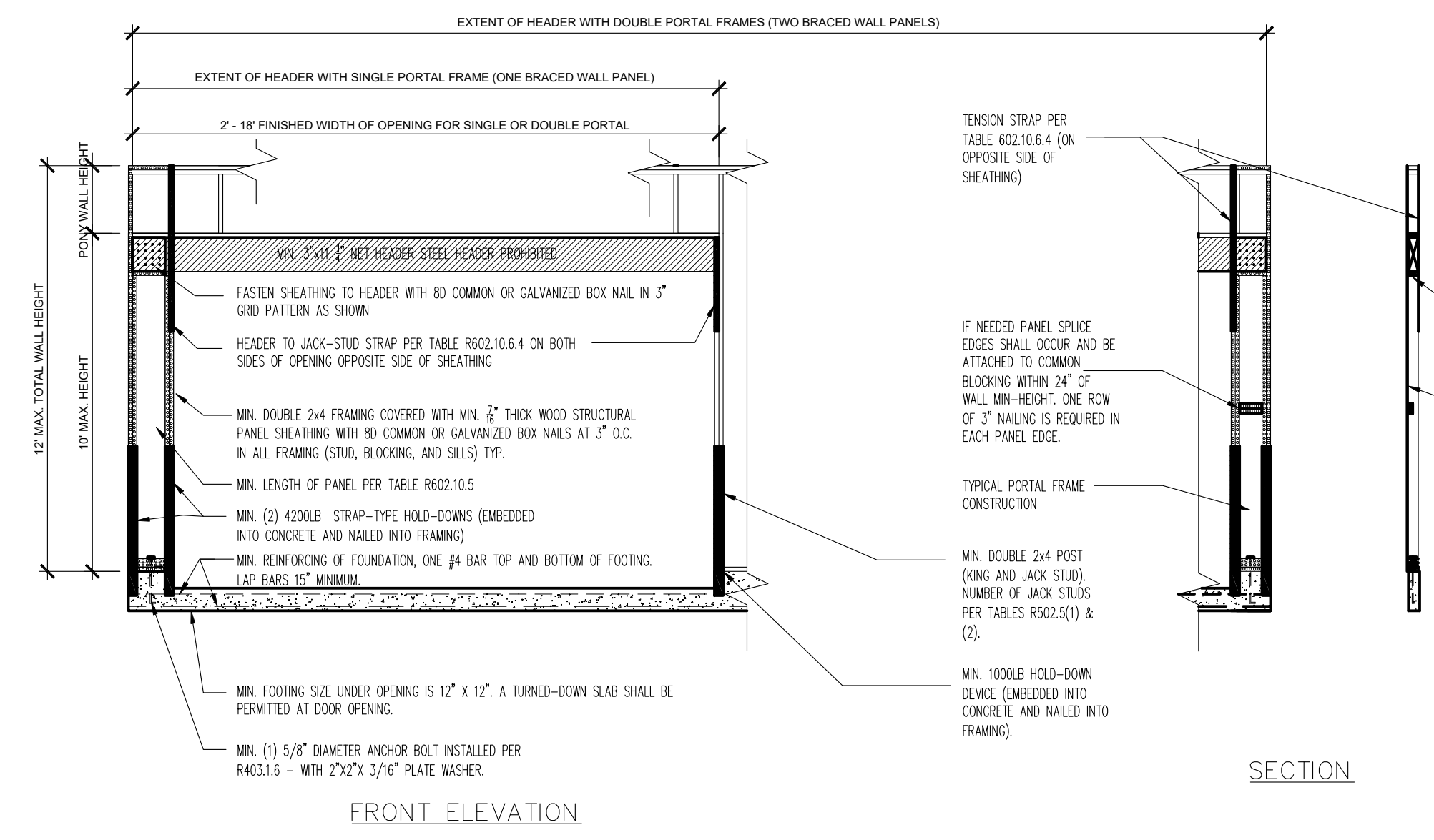


FIGURE 5
METHOD PFH—PORTAL FRAME PANEL WITH HOLD-DOWNS

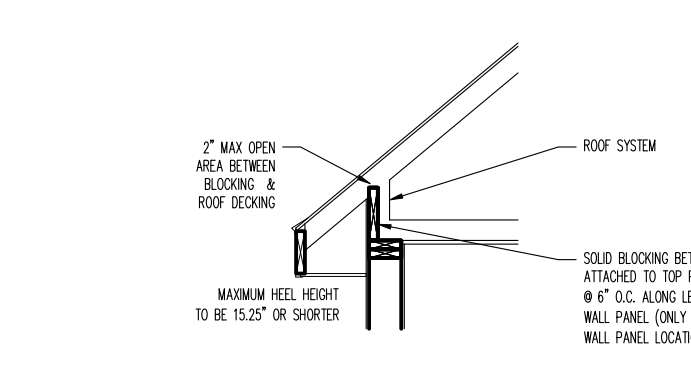


FIGURE 3
BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF SYSTEM

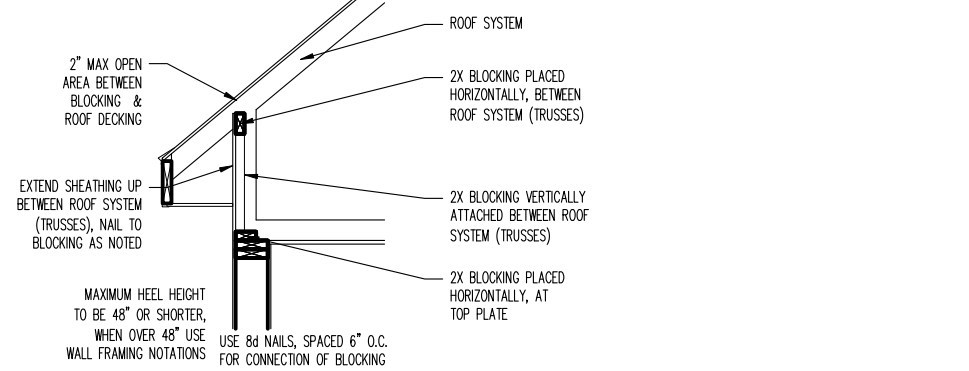


FIGURE 4
BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF SYSTEM (WHEN OVER 15.25')

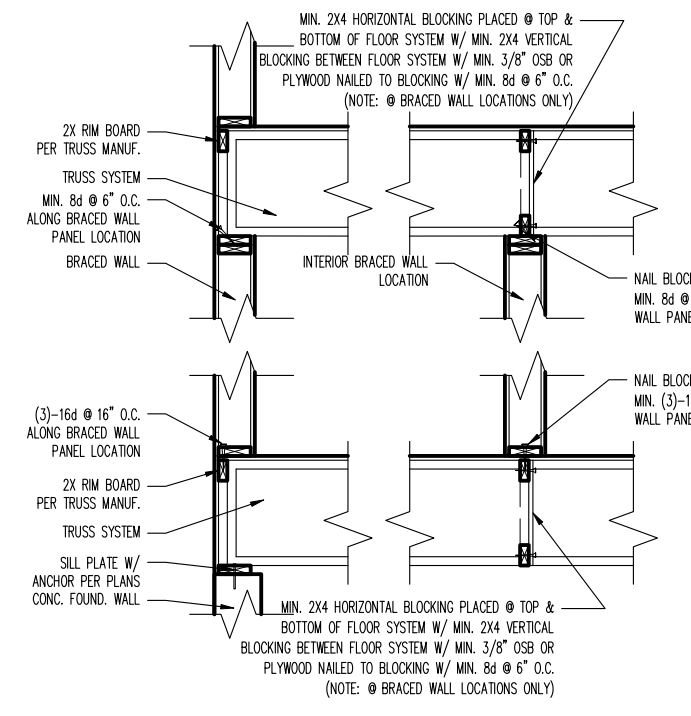


FIGURE 5
BRACED WALL PANEL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING

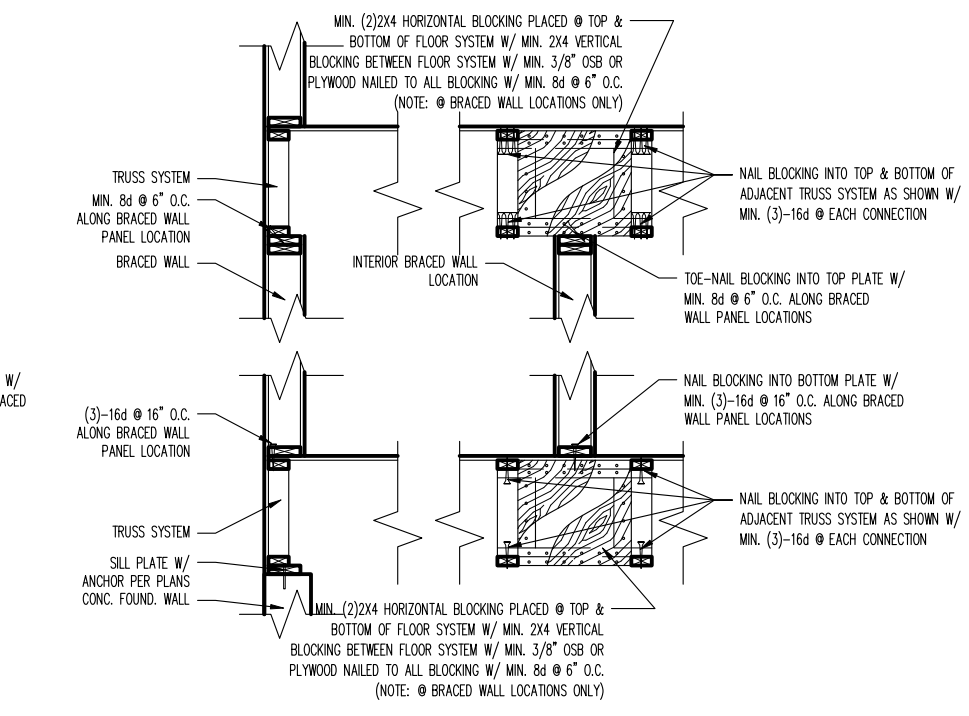


FIGURE 6
BRACED WALL PANEL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING

REQUIREMENTS
 RETURN PANEL: 24" FOR BRACED WALL LINES SHEATHED WITH WOOD STRUCTURAL PANELS
 32" FOR BRACED WALL LINES SHEATHED WITH STRUCTURAL FIBERBOARD
 DISTANCE D: 24" FOR BRACED WALL LINES SHEATHED WITH WOOD STRUCTURAL PANELS
 32" FOR BRACED WALL LINES SHEATHED WITH STRUCTURAL FIBERBOARD
 HOLD-DOWN DEVICE: 800 LBS CAPACITY FASTENED TO THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER AND TO THE FOUNDATION OR FLOOR FRAMING BELOW