ELEVATE BUILDERS TODD & AMY

PLAN INFORMATION:

FRAMING NOTES:
1. ALL EXTERIOR WALLS TO BE 16" O.C. WITH DOUBLE TOP PLATE UNLESS NOTED OTHERWISE. (U.N.O.)
2. WALL FRAMING SHALL BE S.P.F. STUD GRADE OR BETTER UNLESS NOTED OTHERWISE.
3. ALL HEADERS SHALL BE PER PLAN.
4. ALL EXTERIOR HEADERS SHALL HAVE (1)2X6 BEARING STUD & (1) 2X6 FULL HEIGHT KING STUD ON EACH SIDE U.N.O. (REVIEW PLANS)
5. ALL INTERNAL HEADERS & BEAMS SHALL HAVE (1)2X6 OR (1)2X4 BEARING STUD ON EACH SIDE U.N.O.
6. EXTERIOR SHEATHING SHALL BE 7/16" MATERIAL CONSISTING OF ORIENTED STRAND BOARD (OSB). ALL FLOOR AND CEILING SYSTEMS TO BE CHECKED AND DESIGNED BY THE DESIGNATED MANUFACTURER. FLOOR PLANS TO BE ON SITE.
7. HEADER SIZES ARE TO BE USED PER PLAN AND DEVIATION FROM ANY SIZE MUST BE APPROVED BY DESIGNERS.
8. PRESSURE TREADED WOOD IS TO BE USED WHERE WOOD IS IN CONTACT WITH CONCRETE AND AT 2X6 MUD SILL. TREATED MEMBERS TO BE S.Y.P.#2 OR BETTER.
9. FOR OPENINGS IN EXTERIOR WALLS OR WALLS WITH LATERAL LOADING:
   a. 0'-0" - 4'-0" = 1 JACK STUD
   b. 4'-0" - 8'-0" = 2 JACK STUDS
   c. 8'-0" - 12'-0" = 3 JACK STUDS
   d. 12' OR GREATER AT OPENINGS = CONSULT ENGINEERING
10. POSTS CALLED OUT ARE NUMBER OF REQUIRED TRIMMER/JACK STUDS PER SIDE OF OPENING.

CONCRETE/FOUNDATION NOTES:
1. ALL CONCRETE FOOTINGS AND FOUNDATION SYSTEMS ARE DESIGNED FOR A 2000 P.S.F.SOIL.
2. FOUNDATION WALLS SHALL BE FULL HEIGHT AT UNBALANCED FILL GREATER THAN 3'4".
3. 1/2" ANCHOR BOLTS EMBEDDED 7" MIN. @ 6' O.C. MAX. 12" MIN. FROM EACH END. MIN. OF 2 BOLTS IN EACH SILL PLATE (REFER TO STRUCTURAL PAGES) OR SEPARATE REBAR DESIGNS BY OTHERS.
4. PAD FOOTING REINFORCEMENT IS TO BE LOCATED (3") FROM BOTTOM OF FOOTING TYP. (WHEN REQUIRED) REFER TO STRUCTURAL PAGES FOR ADDITIONAL INFORMATION REGARDING RE-BAR/ETC.
5. MIN. 5000 PSI CONCRETE @ ALL FOOTINGS

INSULATION:
1. ALL EXTERIOR WALLS AND RIMS TO HAVE A MINIMUM RATING OF R-20.
2. ALL ATTIC SPACES ARE TO HAVE A MINIMUM RATING OF R-49.
3. ALL FLOOR SPACES OVER UNCONDITIONED SPACE OR CANTILEVERED ARE TO BE INSULATED TO MIN. R-30.

SQUARE FOOTAGE CALCULATIONS	
FIRST FLOOR:	
FINISHED SQ. FTG.	2165 SQ.FT.
UNFINISHED SQ. FTG.	37 SQ. FT.
GARAGE SQ. FTG.	1084 SQ.FT.
OVERALL FIRST FLOOR SQ. FTG.	3286 SQ.FT.
TOTAL FINISHED SQ. FTG:	**2165 SQ.FT.**
GRAND TOTAL SQ. FTG:	**3286 SQ.FT.**

SHEETROCK/GYPSUM BOARD:
1. CEILINGS ARE TO HAVE 5/8" NON-SAG GYPSUM BOARD UNLESS OTHERWISE NOTED.
2. ALL WALLS ARE TO HAVE 1/2" GYPSUM BOARD ON INTERIORS U.NO.
3. GARAGE CEILING AND WALLS THAT ADJOIN HOUSE WALLS ARE TO BE 5/8" GYPSUM BOARD PER CODE.

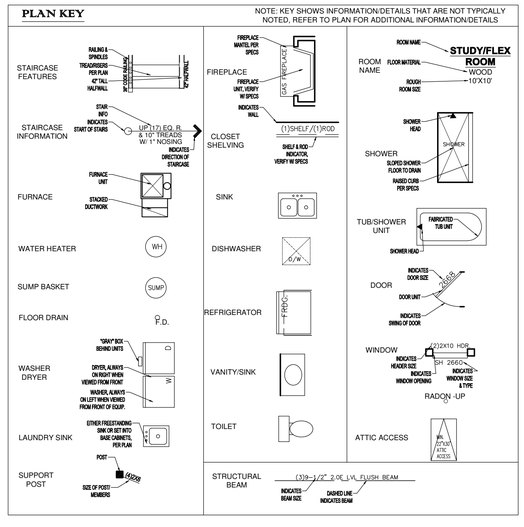
DOORS & WINDOWS:
1. ALL WINDOWS AND DOORS TO BE DOUBLE PANE GLASS PANELS WITH LOW-E RATINGS.
2. WINDOWS WITHIN 24" OF A DOOR SWING MUST BE TEMPERED PER CODE.
3. ANY WINDOW ABOVE A TUB/WET AREA MUST BE TEMPERED PER CODE.
4. ANY WINDOW WITHIN A STAIRWAY MUST BE TEMPERED PER CODE, UNLESS 4' ABOVE HEIGHT OF WALKING PATH.
5. WINDOW GLAZING MUST BE AT LEAST 18" A.F.F. WHEN WINDOW IS ABOVE 6' FROM GRADE. IF WITHIN 18", WINDOW MUST BE TEMPERED.
6. ALL BEDROOMS TO HAVE AT LEAST ONE WINDOW THAT HAS A CLEAR EGRESS OPENING OF 5.7 SQ. FT. WITH MIN. DIMENSIONS OF 24" IN HEIGHT & 20" IN WIDTH, SILL HEIGHT NOT TO BE GREATER THAN 44" A.F.F.
7. WINDOWS WITH SILLS WITHIN 2' OF THE FLOOR THEY SERVE AND ARE 72" ABOVE GRADE MUST EITHER HAVE A FALL PREVENTION OR OPENING LIMITER DEVICE PER CODE.

MECHANICAL & ELECTRICAL:
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.



SHEET INDEX:

C	COVER
A1	FRONT & LEFT ELEVATIONS
A2	REAR & RIGHT ELEVATIONS
A3	ROOF PLAN
A4	FOUNDATION PLAN
A5	FIRST FLOOR PLAN
D1	SECTION
D2	DETAILS
R1	RADON DETAILS
S1	1ST FLOOR WALL BRACING
S2	WALL BRACING DETAILS



CODE INFORMATION:
SINGLE FAMILY CONSTRUCTION TYPE IRC-1
-2020 MINNESOTA STATE RESIDENTIAL CODE
-2023 NATIONAL ELECTRICAL CODE
-2020 MINNESOTA STATE MECHANICAL & FUEL GAS CODE
-2020 MINNESOTA STATE FIRE CODE
-2020 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 B" CLASSIFICATIONS AND WIND GUSTS OF 115 MPH PER 2020 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.

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE: TODD & AMY RESIDENCE

LOCATION: 4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

LITTFIN | DESIGN

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

CURRENT DATE: 5-22-26

PAGE L C D

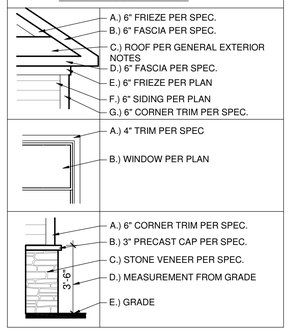
PAGE DESCRIPTION: COVER SHEET

SCALED PRINT @ 24X36

GENERAL EXTERIOR NOTES:

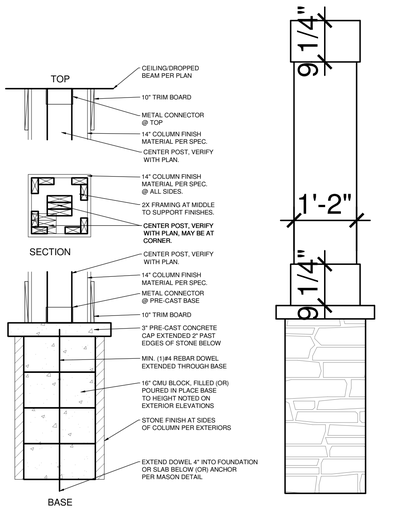
1. ICE AND WATER BARRIER @ BOTTOM 6' OF ALL ROOF LINES, EXTEND BARRIER MIN. 3' ON EACH SIDE OF VALLEY, COVER ENTIRE FACE OF ROOF SADDLES. VERIFY ADDITIONAL LOCATIONS OF ICE AND WATER BARRIER AS NEEDED IN FIELD.
2. PROVIDE ROOF AND SOFFIT VENTS PER IRC CODE REGULATIONS.
3. ALL FURNACE FLUES, PLUMBING VENTS, FIREPLACE VENTS, AND OTHER PENETRATIONS THROUGH ROOF OR WALLS TO EXTEND THROUGH REAR OF HOME WHENEVER POSSIBLE.
4. ALL PENETRATIONS THROUGH EXTERIOR WALLS OR ROOFING MUST BE SEALED AND FLASHED PER MANUFACTURE. SPECIFICATIONS AND IRC CODE REGULATIONS.
5. SUPPLY AT LEAST 6" OF SPACE BETWEEN BOTTOMS OF WINDOWS AND ROOFS.
6. ALL BEAMS HOLDING UP PORCH ROOFS ARE TO BE DROPPED UNLESS OTHERWISE NOTED.
7. SUPPLY DRIPCAPS ON ALL WINDOWS AND DOORS.
8. ALL EXTERIOR TRIM TO BE FLASHED PER CODE
9. SUPPLY SEPARATION BETWEEN WOOD, COMPOSITE WOOD, AND ANY OTHER WOOD MATERIAL PER SPECIFICATIONS.
10. HOLD STONE OFF GRADE MINIMUM OF 3" OR PER TRADE SPECIFICATIONS.
11. REFER TO MANUFACTURE SPECIFICATIONS FOR STONE.
12. GARAGE BUCK BOARD MATERIAL IS TO BE COMPOSITE WOOD AND SIZED TO COVER THE EDGE OF STONE.
13. GRADE CONDITIONS MAY VARY ON SITE.

EXTERIOR DETAIL KEY

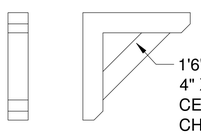


EXTERIOR MATERIAL KEY

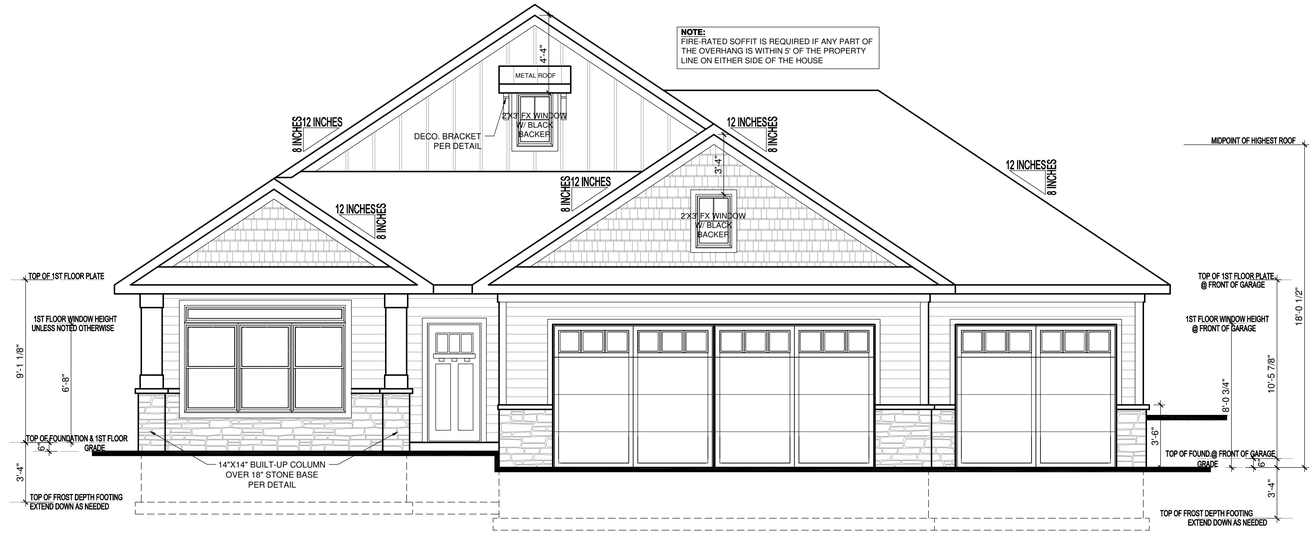
BOARD & BATTEN SIDING -MATERIAL: LP SMART SIDING VERIFY W/ SPEC.	
6" HORIZONTAL SIDING -MATERIAL: LP SMART-SIDING, ON FRONT ELEVATION, VINYL ON SIDES AND REAR, VERIFY W/ SPEC.	
STONE VENEER -MATERIAL: COMPOSITE, VERIFY W/ SPEC.	
SHAKE SIDING -MATERIAL: LP SMART-SIDING, VERIFY W/ SPEC.	



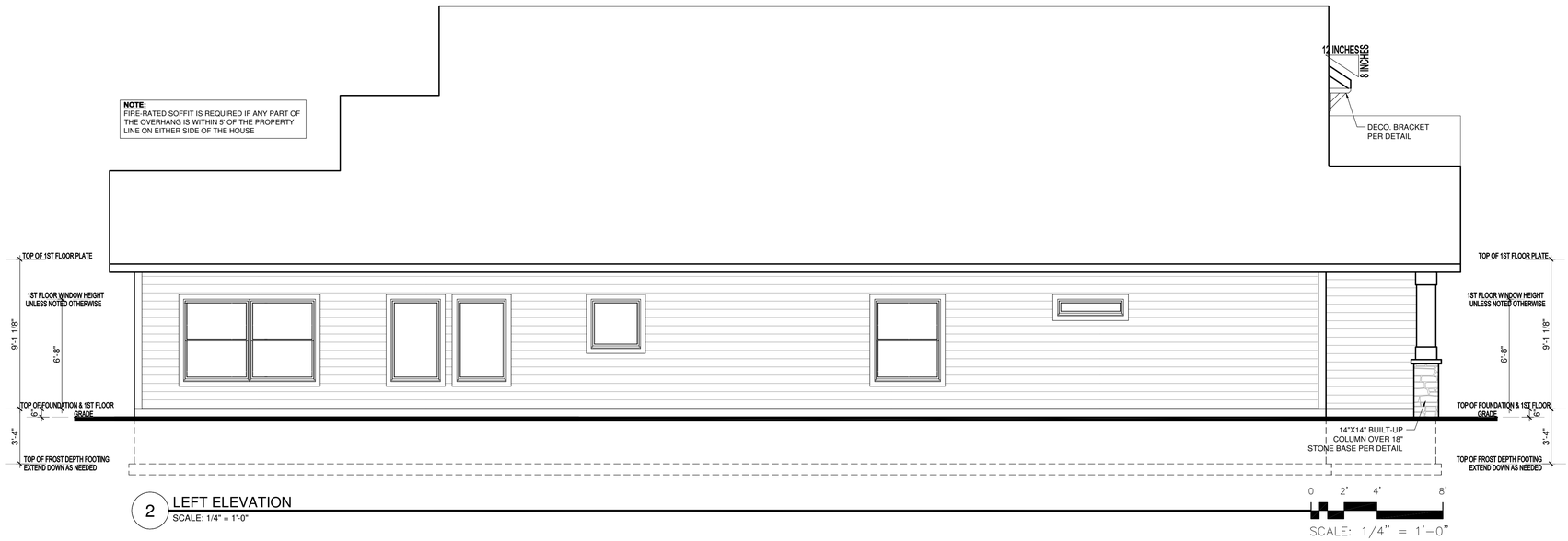
3 14"X14" COLUMN OVER STONE BASE DETAIL
3/4" = 1'-0"
0 7.5" 1'3" 2'6"
SCALE: 3/4" = 1'-0"



4 1'6"X1'6" DECORATIVE BRACKET
SCALE: 1/2" = 1'-0"
0 1' 2' 4'
SCALE: 1/2" = 1'-0"



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



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

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE:
TODD & AMY RESIDENCE
LOCATION:
4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

LITTFIN | DESIGN

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

CURRENT DATE: 5-22-26

PAGE L A1 D

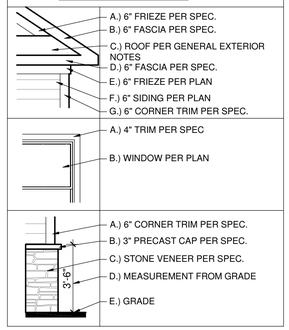
PAGE DESCRIPTION: FRONT & LEFT ELEVATIONS

SCALED PRINT @ 24X36

GENERAL EXTERIOR NOTES:

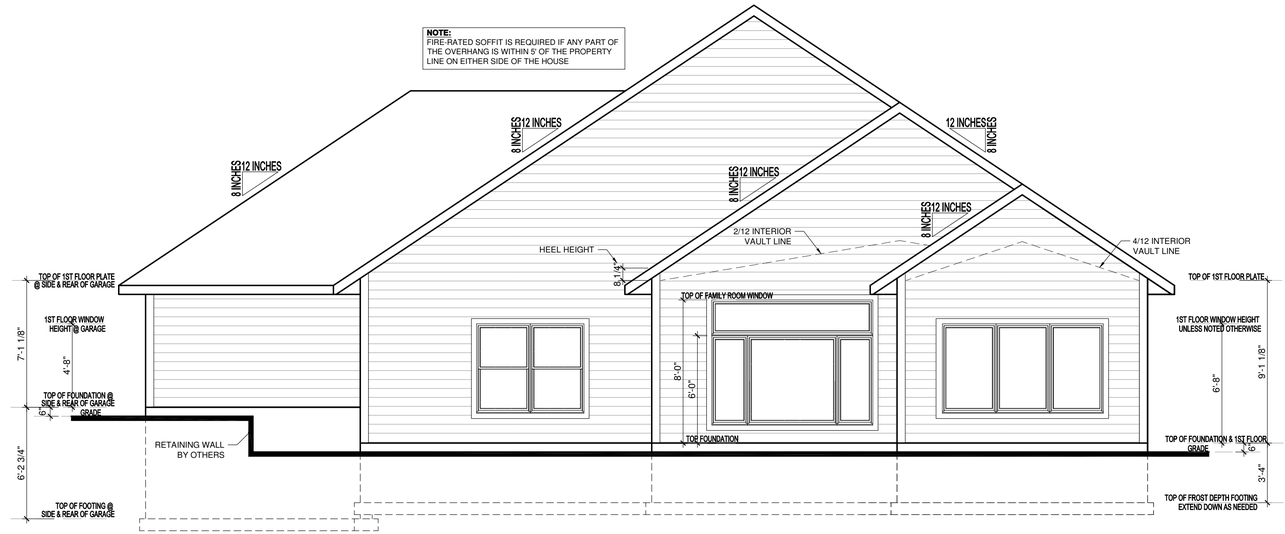
1. ICE AND WATER BARRIER @ BOTTOM 6' OF ALL ROOF LINES, EXTEND BARRIER MIN. 3' ON EACH SIDE OF VALLEY, COVER ENTIRE FACE OF ROOF SADDLES. VERIFY ADDITIONAL LOCATIONS OF ICE AND WATER BARRIER AS NEEDED IN FIELD.
2. PROVIDE ROOF AND SOFFIT VENTS PER IRC CODE REGULATIONS.
3. ALL FURNACE FLUES, PLUMBING VENTS, FIREPLACE VENTS, AND OTHER PENETRATIONS THROUGH ROOF OR WALLS TO EXTEND THROUGH REAR OF HOME WHENEVER POSSIBLE.
4. ALL PENETRATIONS THROUGH EXTERIOR WALLS OR ROOFING MUST BE SEALED AND FLASHED PER MANUFACTURE. SPECIFICATIONS AND IRC CODE REGULATIONS.
5. SUPPLY AT LEAST 6" OF SPACE BETWEEN BOTTOMS OF WINDOWS AND ROOFS.
6. ALL BEAMS HOLDING UP PORCH ROOFS ARE TO BE DROPPED UNLESS OTHERWISE NOTED.
7. SUPPLY DRIPCAPS ON ALL WINDOWS AND DOORS.
8. ALL EXTERIOR TRIM TO BE FLASHED PER CODE
9. SUPPLY SEPARATION BETWEEN WOOD, COMPOSITE WOOD, AND ANY OTHER WOOD MATERIAL PER SPECIFICATIONS.
10. HOLD STONE OFF GRADE MINIMUM OF 3" OR PER TRADE SPECIFICATIONS.
11. REFER TO MANUFACTURE SPECIFICATIONS FOR STONE.
12. GARAGE BUCK BOARD MATERIAL IS TO BE COMPOSITE WOOD AND SIZED TO COVER THE EDGE OF STONE.
13. GRADE CONDITIONS MAY VARY ON SITE.

EXTERIOR DETAIL KEY



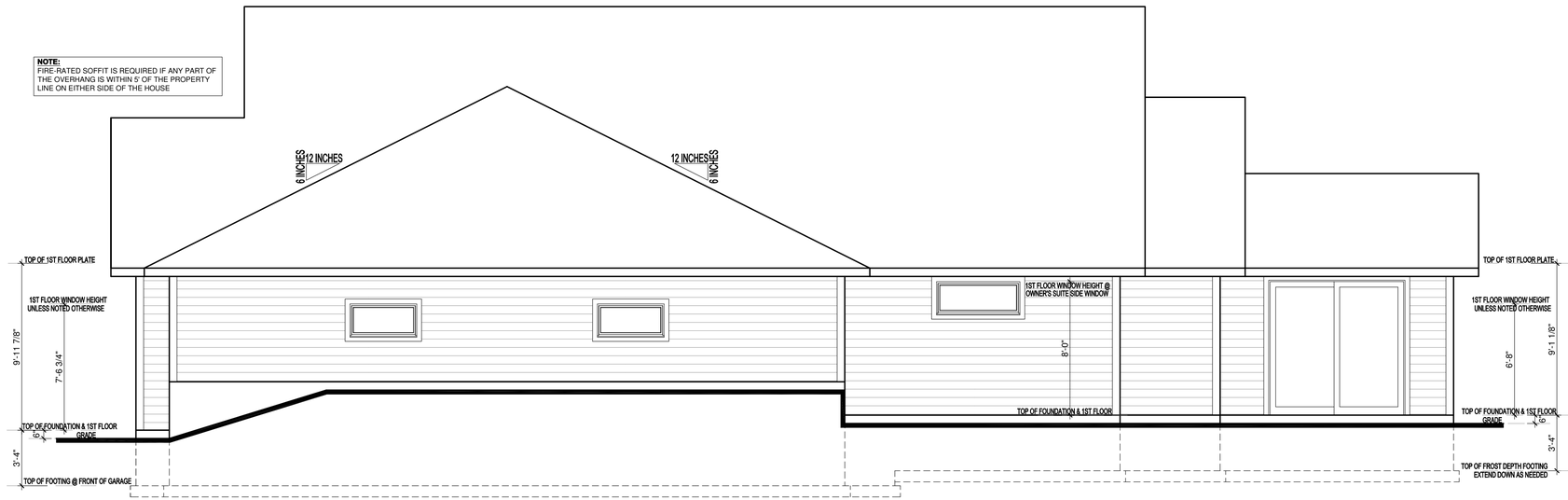
EXTERIOR MATERIAL KEY

BOARD & BATTEN SIDING -MATERIAL: LP SMART SIDING VERIFY W/ SPEC.	
6" HORIZONTAL SIDING -MATERIAL: LP SMART-SIDING, ON FRONT ELEVATION, VINYL ON SIDES AND REAR, VERIFY W/ SPEC.	
STONE VENEER -MATERIAL: COMPOSITE, VERIFY W/ SPEC.	
SHAKE SIDING -MATERIAL: LP SMART-SIDING, VERIFY W/ SPEC.	



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

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



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

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

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE:
TODD & AMY RESIDENCE
LOCATION:
4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

LITTFIN | DESIGN

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

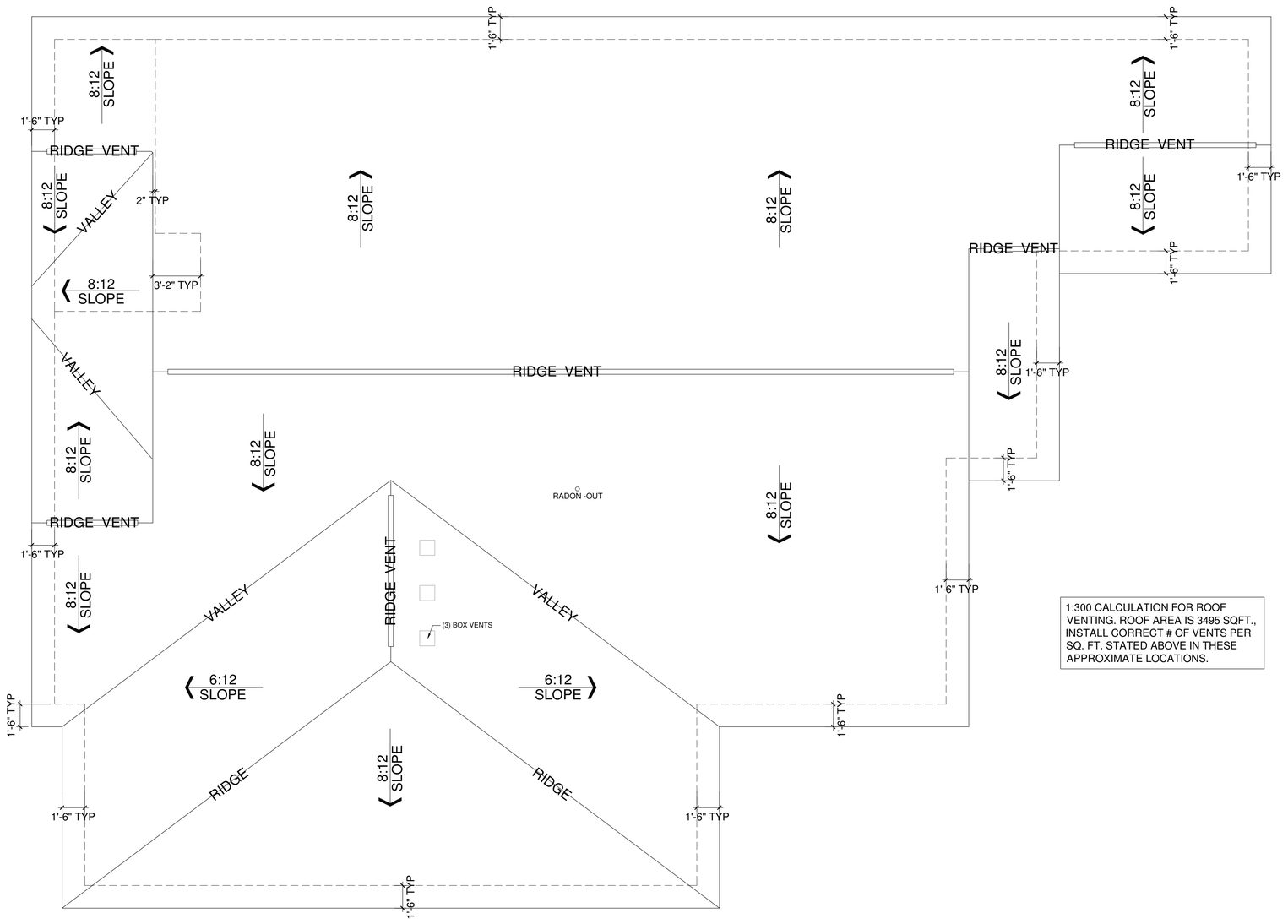
CURRENT DATE: 5-22-26

PAGE L A2 D

PAGE DESCRIPTION:
RIGHT & REAR ELEVATIONS
SCALED PRINT @ 24X36

GENERAL EXTERIOR NOTES:

1. 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.
2. PROVIDE ROOF AND SOFFIT VENTS PER IRC CODE REGULATIONS.
3. ALL FURNACE FLUES, PLUMBING VENTS, FIREPLACE VENTS, AND OTHER PENETRATIONS THROUGH ROOF OR WALLS TO EXTEND THROUGH REAR OF HOME WHENEVER POSSIBLE.
4. ALL PENETRATIONS THROUGH EXTERIOR WALLS OR ROOFING MUST BE SEALED AND FLASHED PER MANUFACTURE. SPECIFICATIONS AND IRC CODE REGULATIONS.
5. SUPPLY AT LEAST 6" OF SPACE BETWEEN BOTTOMS OF WINDOWS AND ROOFS.
6. ALL BEAMS HOLDING UP PORCH ROOFS ARE TO BE DROPPED UNLESS OTHERWISE NOTED.
7. SUPPLY DRIPCAPS ON ALL WINDOWS AND DOORS.
8. ALL EXTERIOR TRIM TO BE FLASHED PER CODE
9. SUPPLY SEPARATION BETWEEN WOOD, COMPOSITE WOOD, AND ANY OTHER WOOD MATERIAL PER SPECIFICATIONS.
10. HOLD STONE OFF GRADE MINIMUM OF 3" OR PER TRADE SPECIFICATIONS.
11. REFER TO MANUFACTURE SPECIFICATIONS FOR STONE.
12. GARAGE BUCK BOARD MATERIAL IS TO BE COMPOSITE WOOD AND SIZED TO COVER THE EDGE OF STONE.
13. GRADE CONDITIONS MAY VARY ON SITE.



1:300 CALCULATION FOR ROOF VENTING. ROOF AREA IS 3495 SQFT., INSTALL CORRECT # OF VENTS PER SQ. FT. STATED ABOVE IN THESE APPROXIMATE LOCATIONS.

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

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

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE:
TODD & AMY RESIDENCE

LOCATION:
4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

LITTFIN | DESIGN

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

CURRENT DATE: 5-22-26

PAGE L A3 D

PAGE DESCRIPTION: ROOF PLAN

SCALED PRINT @ 24X36

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. USE SAME MATERIAL AS COLUMN SUPPORTING MEMBER ABOVE, BLOCKING MAY BE "BROKEN" BETWEEN LEVELS U.N.O.
6. ALL HANGERS & CONNECTORS PER TRUSS MANUFACTURER, SUPPLIERS & CONTRACTOR.
7. ALL EXTERIOR SHEATHING TO BE 7/16" OSB OR PLYWOOD SHEATHING & NAILED PER CODE (MAY BE REFERRED TO AS 1/2" NOMINAL THICKNESS).
8. ROOF DECKING TO BE $\frac{3}{8}$" NOMINAL (OR $\frac{15}{32}$") OSB DECKING W/ CLIPS, NAILED TO ROOF FRAMING W/ MIN. 8d COMMON NAILS, 6" O.C. @ EDGES/12"O.C. @ FIELD. ATL: 16 GA 1-$\frac{3}{4}$", 3" @ EDGES/ 6" AT FIELD.
9. FLOOR DECKING TO BE $\frac{3}{4}$" 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).
10. REFER TO WALL BRACING PLANS FOR ADDITIONAL FRAMING INFORMATION.

GENERAL FOUNDATION NOTES:

1. FOUNDATIONS TO BE BUILT PER SITE SOIL CONDITION- VERIFY ON SITE.
2. ALL REINFORCING IS TO BE INSTALLED PER IRC REGULATED STRUCTURAL DESIGN BY CONCRETE TRADES.
3. PROVIDE $\frac{1}{2}$" ANCHOR BOLTS EMBEDDED 7" MIN., SPACED PER CODE AND 12" MAX FROM EACH END OF SILL PLATE, MIN 2 PER SILL. REFER TO COVER SHEET.
4. PROVIDE CONTROL JOINTS PER PLAN. JOINTS 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.
8. PROVIDE DRAIN TILE AROUND PERIMETER AS SHOWN. LATERAL SOIL PRESSURE ASSUMED TO BE 30 PSF/FT.
9. **CONC. CURB OR ADD. P.T. SILL PLATES AT ALL INT. BEARING WALLS TO CONNECT FRAMED WALL TO FOOTING BELOW.**

WINDOW & DOOR SIZE NOTES

-SH3'X5' =SINGLE HUNG 3'0" BY 5'0"
-FX2'6"X2'6" = FIXED 2'6" BY 4'6"
-CASE3'X5' = CASEMENT 3'0" BY 5'0"
-2'8"X6'8" @ DOOR =2'8" WIDE BY 6'8" TALL
-2'8"X8'0" @ DOOR =2'8" WIDE BY 8'0" TALL

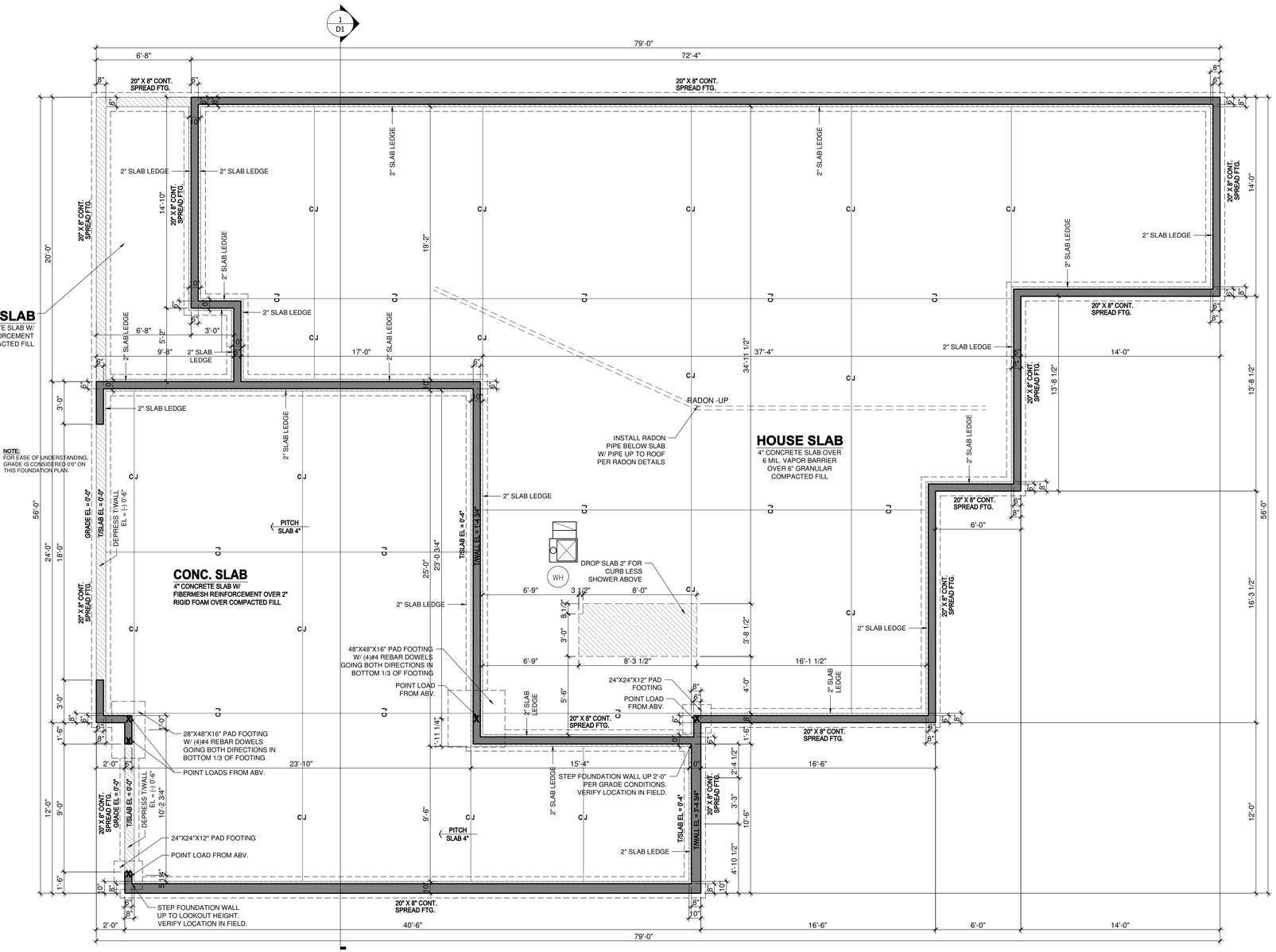
(SD) 110V, INTERCONNECTED SMOKE DETECTOR

(SD)(CO) 110V, INTERCONNECTED SMOKE DETECTOR / CARBON MONOXIDE DETECTOR COMBO

EXHAUST FAN

BASEMENT FLOOR PLAN NOTES:

1. FOR EASE OF UNDERSTANDING, GRADE AT FRONT OR FRONT OF GARAGE DOORS IS CONSIDERED 0'0" ON THIS FOUNDATION PLAN
2. ALL STAIRWAYS (INTERIOR AND EXTERIOR) ARE TO BE ILLUMINATED AT EACH LANDING PER CODE
3. 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 GRASPABLE HANDRAIL IS INSTALLED OR IF DECORATIVE HANDRAIL TO CONTINUE.
4. 1/2" GYPSUM BOARD TO BE APPLIED TO UNDERSIDE OF STAIRS PER CODE.
5. INDICATES INTERIOR BEARING WALL, 16" O.C. STUDS
6. **AT BEDROOM EGRESS WINDOW WELLS:** PERMANENTLY ATTACHED LADDER PER CODE & MINIMUM 3'X3' EGRESS AREA BUILT PER IRC
7. **AT ALL EGRESS WINDOW WELLS:** FILL EGRESS WELL W/ GRAVEL BACKFILL & INSTALL DRAIN TILE CONNECTION TO DRAIN EGRESS PROPERLY.
8. INSTALL DRAFT STOPPING WITHIN FLOOR SYSTEM PER IRC CODE SECTION 302.12, MIN. $\frac{1}{2}$" GYPSUM BOARD (OR) $\frac{3}{8}$" 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.



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

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

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE: TODD & AMY RESIDENCE

LOCATION: 4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

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

CURRENT DATE: 5-22-26

PAGE: L A4 D

PAGE DESCRIPTION: FOUNDATION PLAN

SCALED PRINT @ 24X36

STRUCTURAL NOTES:

1. ALL HEADERS TO BE SUPPORTED BY A MINIMUM OF (1) TRIMMER. **REFER TO COVER SHEET FOR ADDITIONAL INFO.**
2. ALL HEADERS TO HAVE AT LEAST (1) KING STUD (UNLESS NOTED).
3. BLOCKING @ ROOF & FLOOR PLAN PER TRUSS MANUFACTURER.
4. POINT LOADS TO BE CARRIED THROUGH FLOOR AREAS AND DOWN TO FOUNDATION FOR SUPPORT. USE SAME MATERIAL AS COLUMN SUPPORTING MEMBER ABOVE.
5. ALL HANGERS & CONNECTORS PER TRUSS MANUFACTURER, SUPPLIERS & CONTRACTOR.
6. ALL EXTERIOR SHEATHING TO BE 7/16" OSB OR PLYWOOD SHEATHING & NAILED PER CODE (MAY BE REFERRED TO AS 1/2" NOMINAL THICKNESS).
7. ROOF DECKING TO BE $\frac{3}{4}$" NOMINAL (OR $\frac{19}{32}$") OSB DECKING W/ CLIPS, NAILED TO ROOF FRAMING W/ MIN. 8d COMMON NAILS, 6" O.C. @ EDGES/12"O.C. @ FIELD.
8. FLOOR DECKING TO BE $\frac{3}{4}$" 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).
9. REFER TO WALL BRACING PLANS FOR ADDITIONAL FRAMING INFORMATION.

GENERAL FRAMING NOTES:

1. ALL NON-BEARING FRAMING IS TO BE 16" O.C. UNLESS OTHERWISE NOTED.
2. ALL WALLS TO HAVE A DOUBLE TOP PLATE UNLESS OTHERWISE NOTED.
3. ALL EXTERIOR WALLS ARE TO BE 2X6 WOOD STUDS WITH 7/16" OSB SHEATHING, UNLESS NOTED OTHERWISE.
4. ALL INTERIOR WALLS ARE TO BE 2X4 WOOD STUDS UNLESS NOTED OTHERWISE.
5. ALL COLUMN SIZES ARE TO BE CONTINUED THROUGH FLOOR TRUSS SPACES WHEN SPANNING MORE THAN 1 FLOOR.
6. ALL WOOD MATERIALS ARE TO BE PROTECTED PER CODE & MANUF. SPECIFICATIONS WHILE BEING STORED ON SITE.

WINDOW & DOOR SIZE NOTES (EXAMPLES)

-SH3'X5' =SINGLE HUNG 3'0" BY 5'0"
-FX2'6"X2'6" = FIXED 2'6" BY 4'6"
-CASE3'X5' = CASEMENT 3'0" BY 5'0"
-2'8"X6'8" @ DOOR =2'8" WIDE BY 6'8" TALL
-2'8"X8'0" @ DOOR =2'8" WIDE BY 8'0" TALL

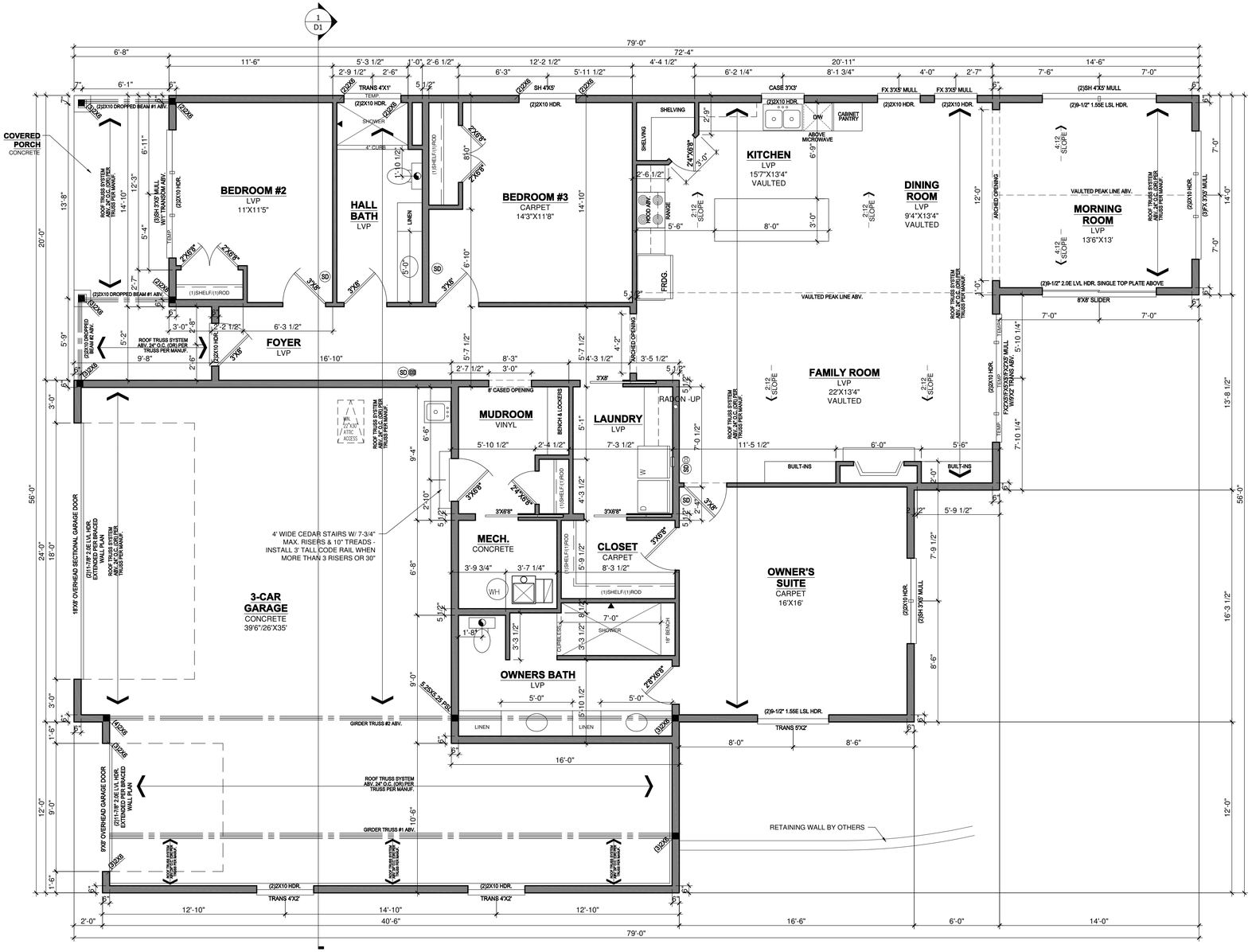
(SD) 110V, INTERCONNECTED SMOKE DETECTOR

(SD)(CO) 110V, INTERCONNECTED SMOKE DETECTOR / CARBON MONOXIDE DETECTOR COMBO

EXHAUST FAN

FRAMING FLOOR PLAN NOTES:

1. FOR EASE OF UNDERSTANDING GRADE IS CONSIDERED 0'0" ON THIS FOUNDATION PLAN
2. ALL STAIRWAYS (INTERIOR AND EXTERIOR) ARE TO BE ILLUMINATED AT EACH LANDING PER CODE
3. 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 GRASPABLE HANDRAIL IS INSTALLED OR IF DECORATIVE HANDRAIL TO CONTINUE.
4. $\frac{1}{2}$" GYPSUM BOARD TO BE APPLIED TO UNDERSIDE OF STAIRS PER CODE.
5. INDICATES INTERIOR BEARING WALL, 16" O.C. STUDS
6. INDICATES EXTERIOR WALL STUDS SPACED AT 12" O.C. 1.55E TIMBERSTRAND MATERIAL OR BETTER (2-PLY TIMBER-STRAND KING STUDS @ EACH SIDE OF OPENINGS IN WALL).
7. INSTALL DRAFT STOPPING WITHIN FLOOR SYSTEM PER IRC CODE SECTION 302.12, MIN. $\frac{1}{2}$" GYPSUM BOARD (OR) $\frac{3}{8}$" 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.



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

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

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE:
TODD & AMY RESIDENCE

LOCATION:
4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

LITTFIN | DESIGN

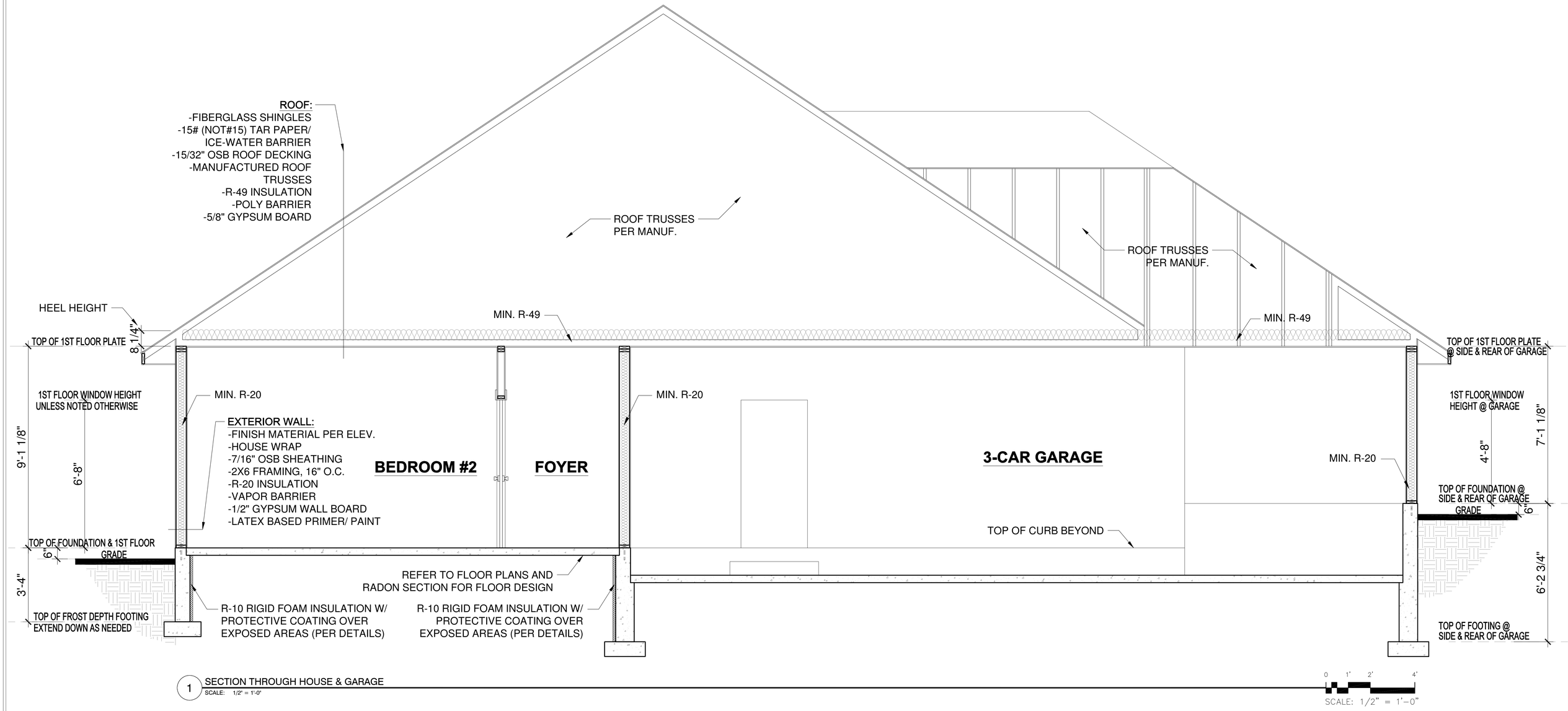
LITTFINDESIGN.COM
MLITTFIN@HOTMAIL.COM
320-224-7844
WINSTED, MN

CURRENT DATE: 5-22-26

PAGE L A5 D

PAGE DESCRIPTION: FIRST FLOOR PLAN

SCALED PRINT @ 24X36



1 SECTION THROUGH HOUSE & GARAGE
SCALE: 1/2" = 1'-0"

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

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE:
TODD & AMY RESIDENCE

LOCATION:
4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

LITTFIN | DESIGN

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

CURRENT DATE: 5-22-26

PAGE L D1 D

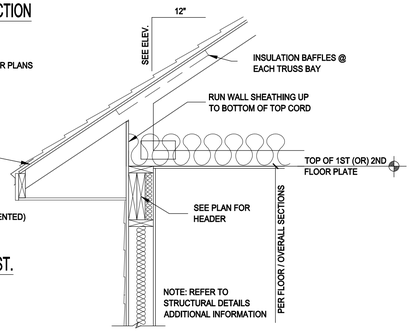
PAGE DESCRIPTION: BUILDING SECTION

SCALED PRINT @ 24X36

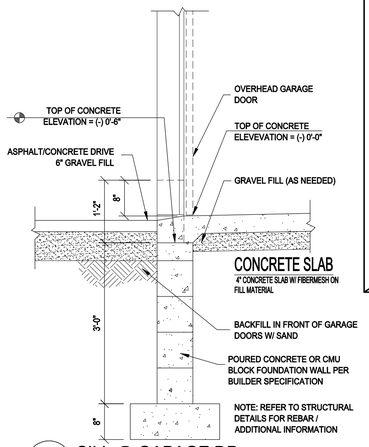
TYP. ROOF CONSTRUCTION
- FIBERGLASS SHINGLES
-15# BUILDING PAPER
-2 COURES ICE & WATER SHIELD
-15/32" OSB SHEATHING
-ENGINEERED ROOF TRUSSES PER PLANS
-R-49 MIN. INSULATION
-6 MIL POLY VAPOR BARRIER
-5/8" GYPSUM BOARD

FASCIA AND SOFFIT
- ALUMINUM FASCIA
- ALUMINUM MATERIAL SOFFIT (VENTED)
- 2 x 6 SUB-FASCIA PER PLAN

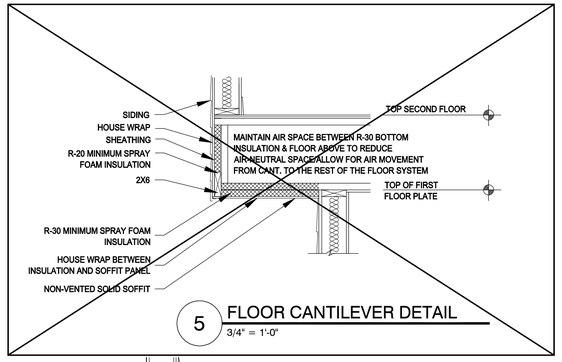
EXTERIOR WALL CONST.
- SIDING (SEE EXTERIOR ELEV.)
- HOUSE WRAP
- 1/2" OSB SHEATHING
- 2X6 STUDS @ (16" O.C.)
- R-21 BATT INSULATION
- 6 MIL POLY VAPOR BARRIER
- 1/2" GYPSUM BOARD



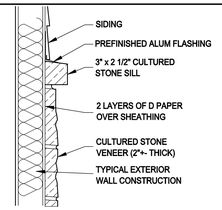
1 TYP. WALL SECTION @ EAVE
3/4" = 1'-0"



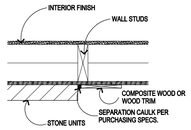
3 SILL @ GARAGE DR.
3/4" = 1'-0"



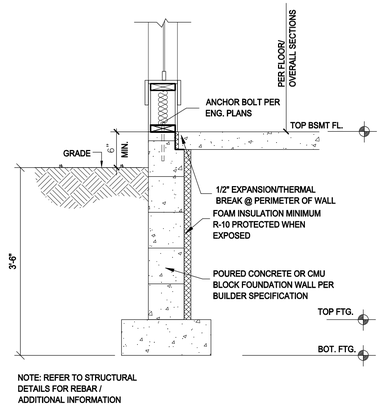
5 FLOOR CANTILEVER DETAIL
3/4" = 1'-0"



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

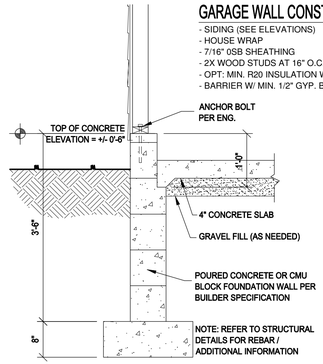


7 STONE TO MASONRY CAULK DETAIL
3/4" = 1'-0"

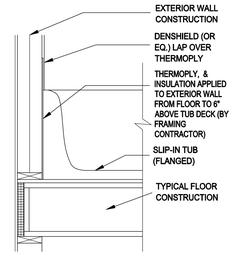


2 LIVING SPACE FOUNDATION
3/4" = 1'-0"

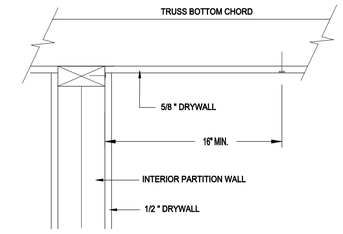
GARAGE WALL CONST.
- SIDING (SEE ELEVATIONS)
- HOUSE WRAP
- 7/16" OSB SHEATHING
- 2X WOOD STUDS AT 16" O.C.
- OPT: MIN. R20 INSULATION W/ 6MIL POLY
- BARRIER W/ MIN. 1/2" GYP. BD. FINISH



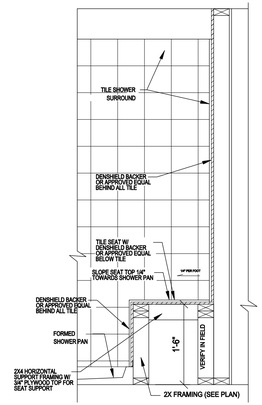
4 SIDE GARAGE WALL DETAIL
3/4" = 1'-0"



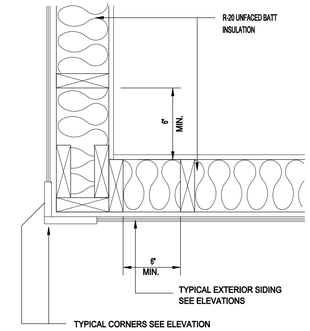
8 DRAFTSTOP @ TUB
3/4" = 1'-0"



9 ROOF TRUSS CONNECTION DETAIL
NONE

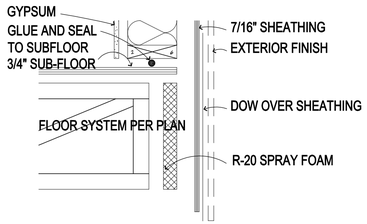


10 TUB/SHOWER 1/2 WALL
3/4" = 1'-0"



11 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 TYVEC 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



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

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE: TODD & AMY RESIDENCE

LOCATION: 4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

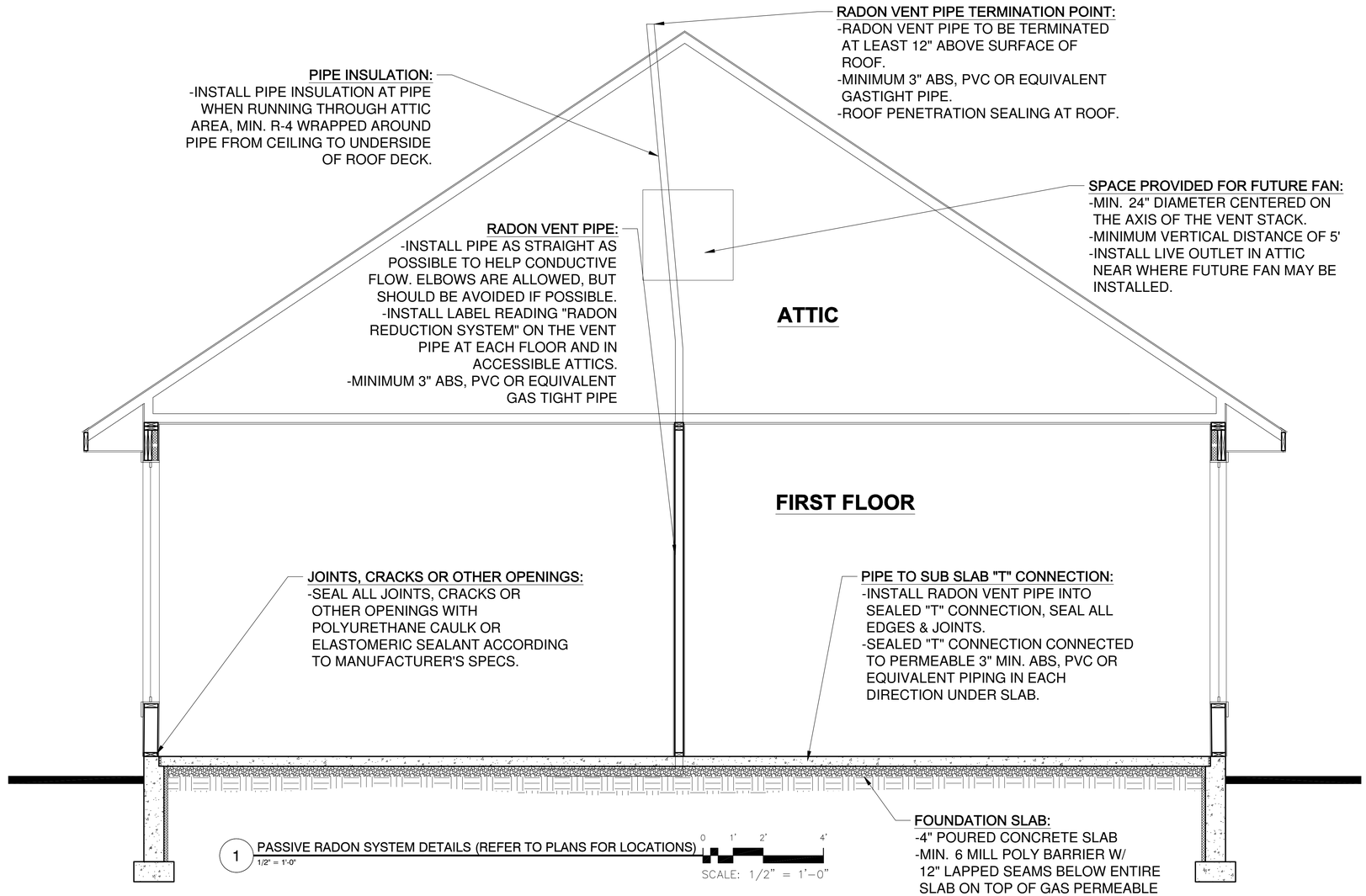
LITTFIN | DESIGN
LITTFINDESIGN.COM
MLITTFIN@HOTMAIL.COM
320-224-7844
WINSTED, MN

CURRENT DATE: 5-22-26

PAGE D2

PAGE DESCRIPTION: DETAILS

SCALED PRINT @ 24X36



THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE:
TODD & AMY RESIDENCE

LOCATION:
4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

LITTFIN | DESIGN

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

CURRENT DATE: 5-22-26

PAGE: R1

PAGE DESCRIPTION: RADON DETAILS

SCALED PRINT @ 24X36

BRACED WALL NOTES:

1. ALL WALLS DESIGNED PER METHOD CS-WSP OF THE 2020 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/ MIN. 1-1/4" SCREWS (TYPE W OR S), 6" O.C. AT EDGE & 6" 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:

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:

1. 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:

   a. THE BASIC WIND SPEED DOES NOT EXCEED 115 MPH, THE WIND EXPOSURE CATEGORY IS B, THE ROOF PITCH IS 5:12 OR GREATER, AND THE ROOF SPAN IS 32' OR LESS

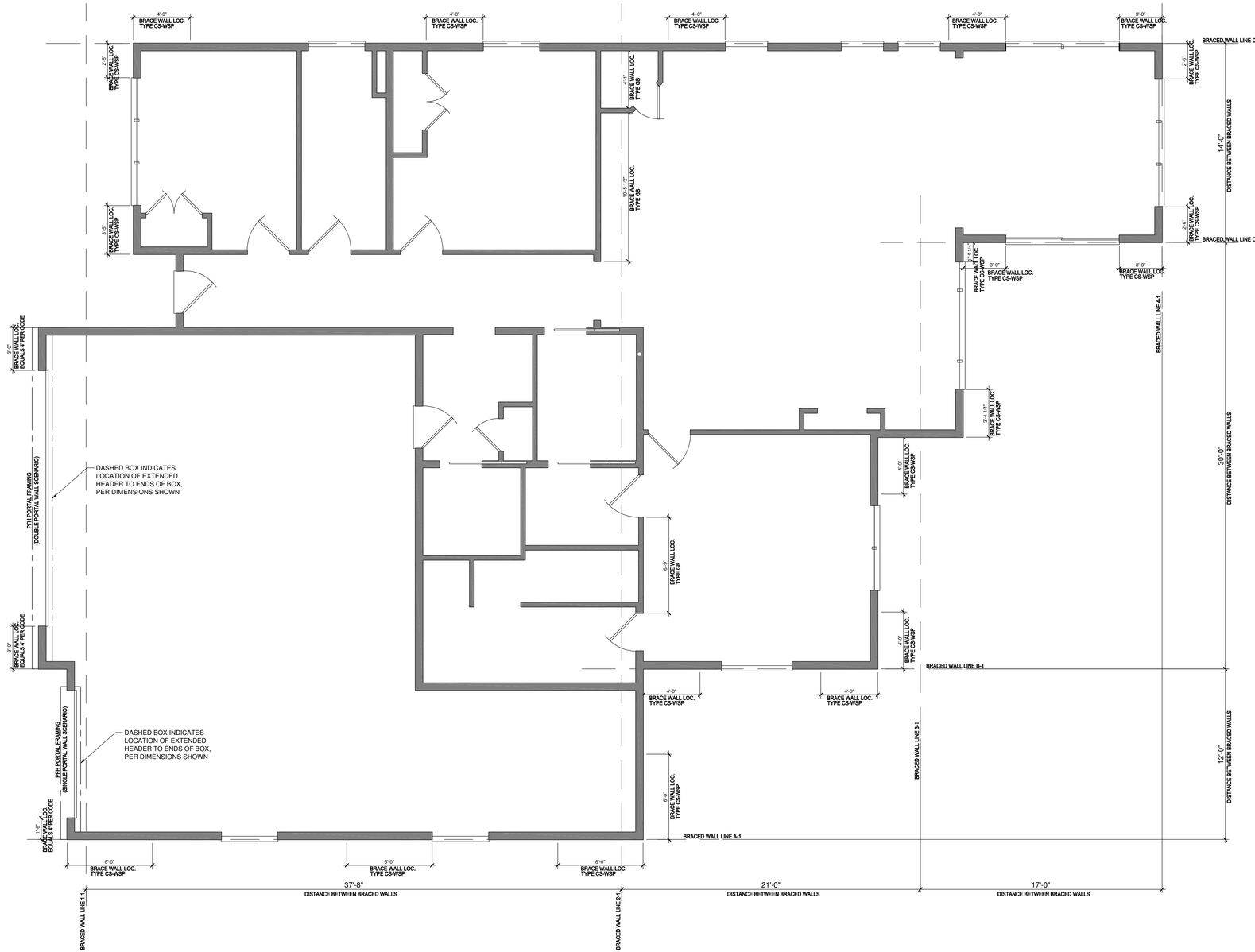
      (OR)

   b. 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)

   a. **RAFTER OR ROOF TRUSS TO PLATE, TOE NAIL**: MINIMUM (3) 16d BOX NAILS OR (3) 10d COMMON NAILS. (2) TOE NAILS ON ONE SIDE AND (1) TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS. (MANUF. METAL CONNECTOR MAY BE SUBSTITUTED, VERIFY W/ MANUF. DETAILS).

   b. **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 WALL BRACING PLAN
SCALE: 1/4" = 1'-0"

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

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE:
TODD & AMY RESIDENCE

LOCATION:
4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

LITTFIN | DESIGN

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

CURRENT DATE: 5-22-26

PAGE: L S1 D

PAGE DESCRIPTION: WALL BRACING PLAN

SCALED PRINT @ 24X36

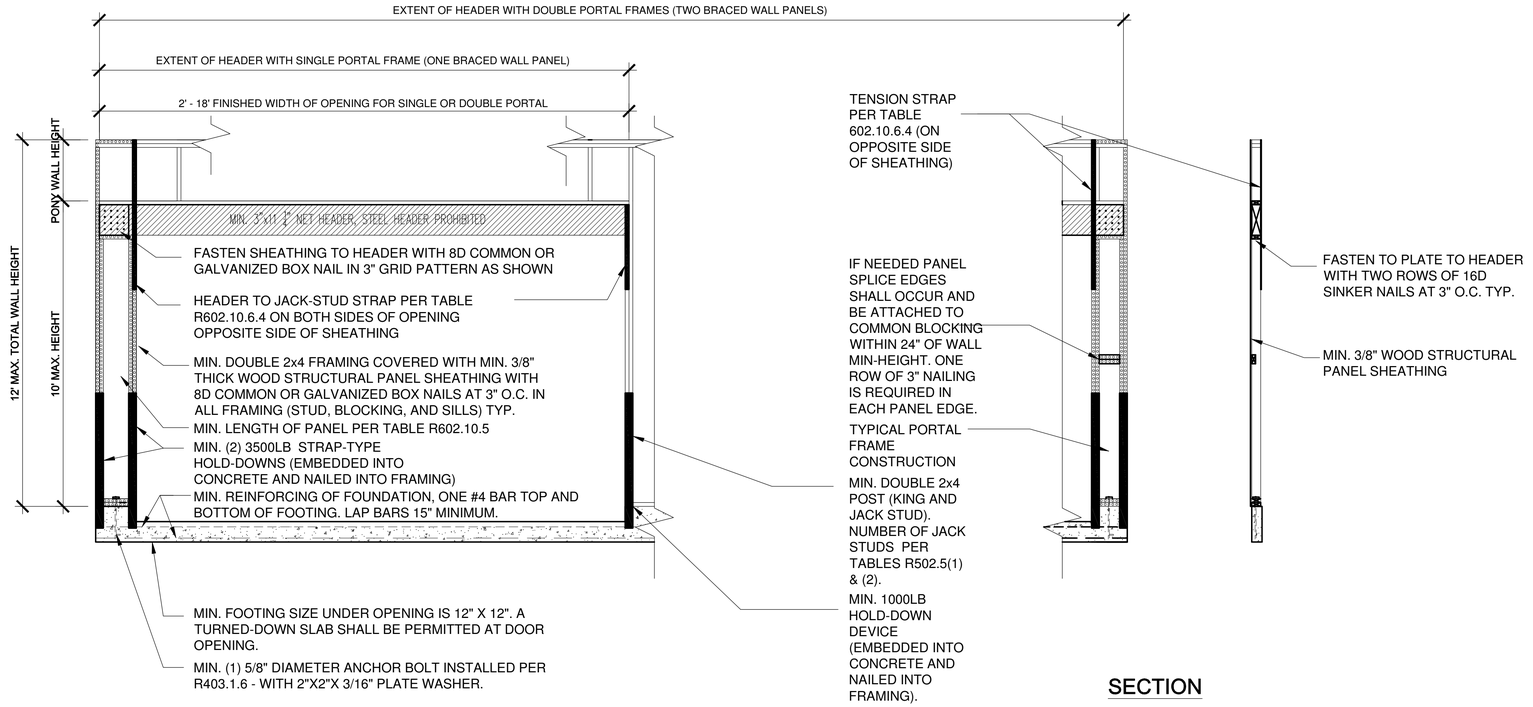
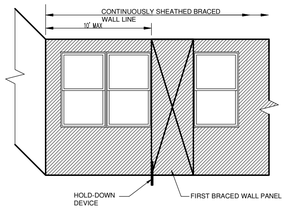


FIGURE BRACED WALL PANEL 2
METHOD PFH-PORTAL FRAME PANEL WITH HOLD-DOWNS



END CONDITION 5

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

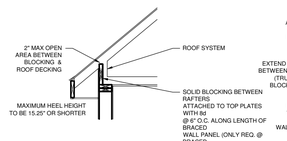


FIGURE 3
BRACED WALL PANEL CONNECTION
TO PERPENDICULAR ROOF SYSTEM

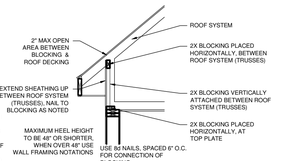


FIGURE 4
BRACED WALL PANEL CONNECTION
TO PERPENDICULAR ROOF SYSTEM
(WHEN OVER 15.25")

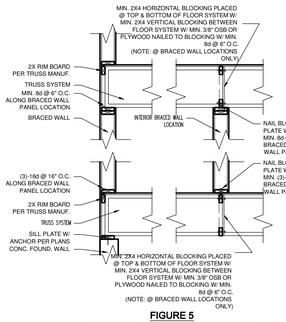


FIGURE 5
BRACED WALL PANEL CONNECTION
WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING

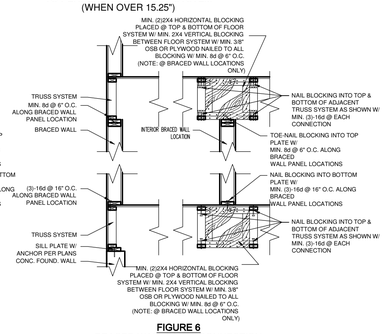


FIGURE 6
BRACED WALL PANEL CONNECTION
WHEN PARALLEL TO FLOOR/CEILING FRAMING

THIS PLAN PROVIDES BUILDING DETAILS FOR A PROJECT TO BE BUILT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AS WELL AS ANY LOCAL CODES. CONTRACTOR, OWNER, AND/OR TRADES ARE RESPONSIBLE FOR ANY FINES, PENALTIES FOR CODE, ORDINANCE, REGULATION OR BUILDING PROCESS VIOLATIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR OMISSIONS OR ERRORS MADE DURING DESIGN, BIDDING, OR CONSTRUCTION PHASES. ANY AND ALL SITE REVIEW IS TO BE PERFORMED BY OTHERS SUCH AS THE CONTRACTOR, OWNER, SURVEYOR, OR OTHER TRADES RESPONSIBLE FOR SITE CONDITIONS. LITTFIN DESIGN IS NOT RESPONSIBLE FOR CONTRACTOR/TRADE ERRORS, UNKNOWN CODE ADJUSTMENTS AT THE TIME OF PLAN CREATION OR CONSTRUCTION.

REVISION:	REV. DATE:
MORNING ROOM WINDOW AND DOOR ADJUSTMENTS	5-22-26

DRAWING TITLE:
TODD & AMY RESIDENCE

LOCATION:
4666 384TH ST., RESERVE/ NORTH BRANCH, 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 2026

LITTFIN | DESIGN

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

CURRENT DATE: 5-22-26

PAGE: S2

PAGE DESCRIPTION: WALL BRACING DETAILS

SCALED PRINT @ 24X36