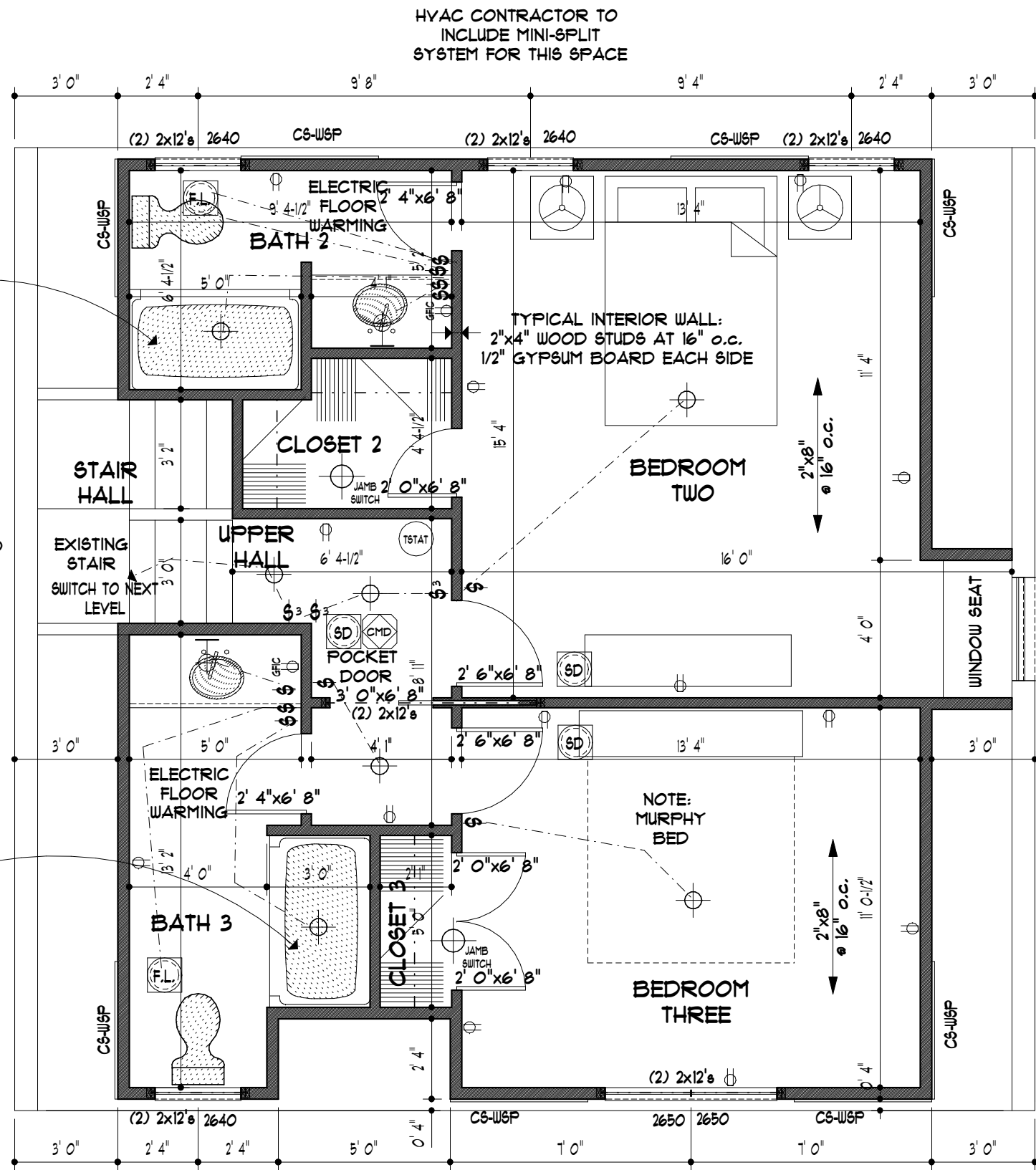




THIRD FLOOR PLAN

- TEMPERED GLASS REQUIRED IN BY R.C.O. R308.4 "HAZARDOUS LOCATIONS"
- THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS REQUIRING SAFETY GLAZING MATERIALS:
- GLAZING IN SLIDING DOORS EXCEPT JALOUSIES.
 - GLAZING IN FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES AND PANELS IN SLIDING AND BIFOLD CLOSET DOOR ASSEMBLIES.
 - GLAZING IN STORM DOORS.
 - GLAZING IN SECTION R308.4, ITEM 6 IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION OR WHERE ACCESS THROUGH THE DOOR IS TO A CLOSET, STORAGE AREA OR BATHROOM GLAZING IN THESE APPLICATIONS SHALL COMPLY WITH SECTION R308.4, ITEM 1.
 - GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, AND SHOWERS. GLAZING IN ANY PORTION OF A BUILDING WALL ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EDGE OF AN EXPOSED PANEL IS LESS THAN 60 INCHES ABOVE THE DRAIN INLET AND 36 INCHES HORIZONTALLY FROM THE INSIDE EDGE OF THE TUB OR COMPARTMENT.
 - GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24 INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.
 - GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN PRECEDING ITEMS NO.5 AND NO.6, WHICH MEETS ALL OF THE FOLLOWING CONDITIONS:
 - EXPOSED AREA OF AN INDIVIDUAL PANEL GREATER THAN 9 SQUARE FEET.
 - EXPOSED BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR.
 - EXPOSED TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR; AND
 - ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF GLAZING.
 - GLAZING IN RAILINGS REGARDLESS OF AREA OR HEIGHT ABOVE A WALKING SURFACE INCLUDED ARE STRUCTURAL BALUSTER PANELS AND NON STRUCTURAL INFILL PANELS.
 - GLAZING IN WALLS AND FENCES ENCLOSING INDOOR AND OUTDOOR SWIMMING POOLS, HOT TUBS, AND SPAS WHERE THE BOTTOM EDGE OF THE GLAZING ON THE POOL OR SPA SIDE IS LESS THAN 60 INCHES ABOVE A WALKING SURFACE AND WITHIN 60 INCHES HORIZONTALLY OF THE WATERS EDGE OF A SWIMMING POOL, OR SPA. THIS SHALL APPLY TO SINGLE GLAZING AND ALL PANELS IN MULTIPLE GLAZING.
 - GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36 INCHES HORIZONTALLY OF A WALKING SURFACE WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE.
 - GLAZING ADJACENT TO STAIRWAYS WITHIN 60 INCHES HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES ABOVE THE NOSE OF THE TREAD.
- PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 36 INCHES IN HEIGHT. OPEN SIDES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 34 INCHES IN HEIGHT MEASURED VERTICALLY FROM THE NOSE OF THE TREADS. REQUIRED GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR AREA, BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES WHICH DO NOT ALLOW PASSAGE OF A SPHERE 4 INCHES OR MORE IN DIAMETER.
- Buildings with combustible ceiling or roof construction shall have an attic access opening to attic areas that have a vertical height of 30" or greater over an area of not less than 30 sq.ft.
- BUILD TEMPORARY WALLS AS REQUIRED TO SUPPORT EXISTING CONSTRUCTION DURING REMODELING
- NOTE: WALLS SHOWN SHADED ARE NEW CONSTRUCTION
- COORDINATE CLOSET LAYOUT & DESIGN WITH ARCHITECT
- COORDINATE CABINET LAYOUT & DESIGN WITH ARCHITECT

CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS

FIRESTOPPING SHALL BE INSTALLED IN ALL CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED OR STUDDED OFF SPACES OF MASONRY OR CONCRETE WALLS, AND AT THE CEILING AND FLOOR OR ROOF LEVELS. FIRESTOPPING SHALL BE INSTALLED AT ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES SUCH AS OCCURRING AT SOFFITS OVER CABINETS, DROP CEILINGS, COVE CEILING, ETC.

Connections between horizontal and vertical spaces. Fireblocking shall be provided at interconnections between concealed vertical stud wall or partition spaces and concealed horizontal spaces created by an assembly of floor joists or trusses, and between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings, cove ceilings and similar locations.

EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPENABLE EMERGENCY ESCAPE WINDOW WITH A SILL HEIGHT OF NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE MINIMUM OPENING HEIGHT SHALL BE 24 INCHES, THE MINIMUM OPENING WIDTH SHALL BE 20 INCHES, AND THE MINIMUM OPENING AREA SHALL BE 5.7 SQUARE FEET. (5.0 SQ. FT. ON THE GRADE FLOOR)

Section 210.12 requires that for dwelling units, all 120-volt, single-phase, 15- and 20-ampere branch circuits supplying outlets or devices installed in dwelling unit kitchens, family rooms, dining rooms, living rooms, porches, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, laundry areas, or similar rooms or areas shall be protected by AFCIs.

REFER TO INTERIOR DESIGNER DRAWINGS FOR ELECTRICAL LAYOUT. THESE DRAWINGS SHOW THE CODE MINIMUM ELECTRICAL TO OBTAIN A BUILDING PERMIT. A WALK THROUGH SHALL BE SCHEDULED WITH THE OWNER, INTERIOR DESIGNER AND ARCHITECT.

HVAC LAYOUT IS SCHEMATIC ONLY. DESIGN BY MECHANICAL CONTRACTOR.

CS-WSP: CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL

303.1 Habitable rooms. All habitable rooms shall have an aggregate glazing area of not less than 8 percent of the floor area of such rooms. Natural ventilation shall be through windows, doors, louvers or other approved openings to the outdoor air. Such openings shall be provided with ready access or shall otherwise be readily controllable by the building occupants.

The minimum operable area to the outdoors shall be 4 percent of the floor area being ventilated.

Exceptions:

- The glazed area need not be operable where the opening is not required by Section 303 and an approved mechanical ventilation system capable of producing 0.35 air change per hour in the room is installed or a whole-house mechanical ventilation system is installed capable of supplying outdoor ventilation air of 15 cubic feet per minute (cfm) (18 L/s) per occupant computed on the basis of two occupants for the first bedroom and one occupant for each additional bedroom.

- The glazed area need not be installed in rooms where Exception 1 above is satisfied and artificial light is provided capable of producing an average illumination of 6 footcandles (65 lux) over the area of the room at a height of 30 inches (762 mm) above the floor level.

- Use of sunroom additions and patio covers, as defined in Section 303, shall be permitted for natural ventilation if in excess of 40 percent of the exterior sunroom walls are open, or are enclosed only by insect screening.

303.2 Adjoining rooms. For the purpose of determining light and ventilation requirements, any room shall be considered as a portion of an adjoining room when at least one-half of the area of the common wall is open and unobstructed and provides an opening of not less than one-tenth of the floor area of the interior room but not less than 25 square feet (2.3 m²).

Exception: Openings required for light and/or ventilation shall be permitted to open into a thermally isolated sunroom addition or patio cover, provided that there is an operable area between the adjoining room and the sunroom addition or patio cover of not less than one-tenth of the floor area of the interior room but not less than 20 square feet (2 m²).

area to the outdoors shall be based upon the total floor area being ventilated.

303.3 Bathrooms. Bathrooms, water closet compartments and other similar rooms shall be provided with aggregate glazing area in windows of not less than 3 square feet (0.3 m²).

Exception: The glazed area shall not be required where artificial light and a mechanical ventilation system are provided. The minimum ventilation rates shall be 40 L/s-0.1 40

shall be 50 cubic feet per minute (14 L/s) for intermittent ventilation or 20 cubic feet per minute (6 L/s) for continuous ventilation. Ventilation air from the space shall be exhausted directly to the outside.

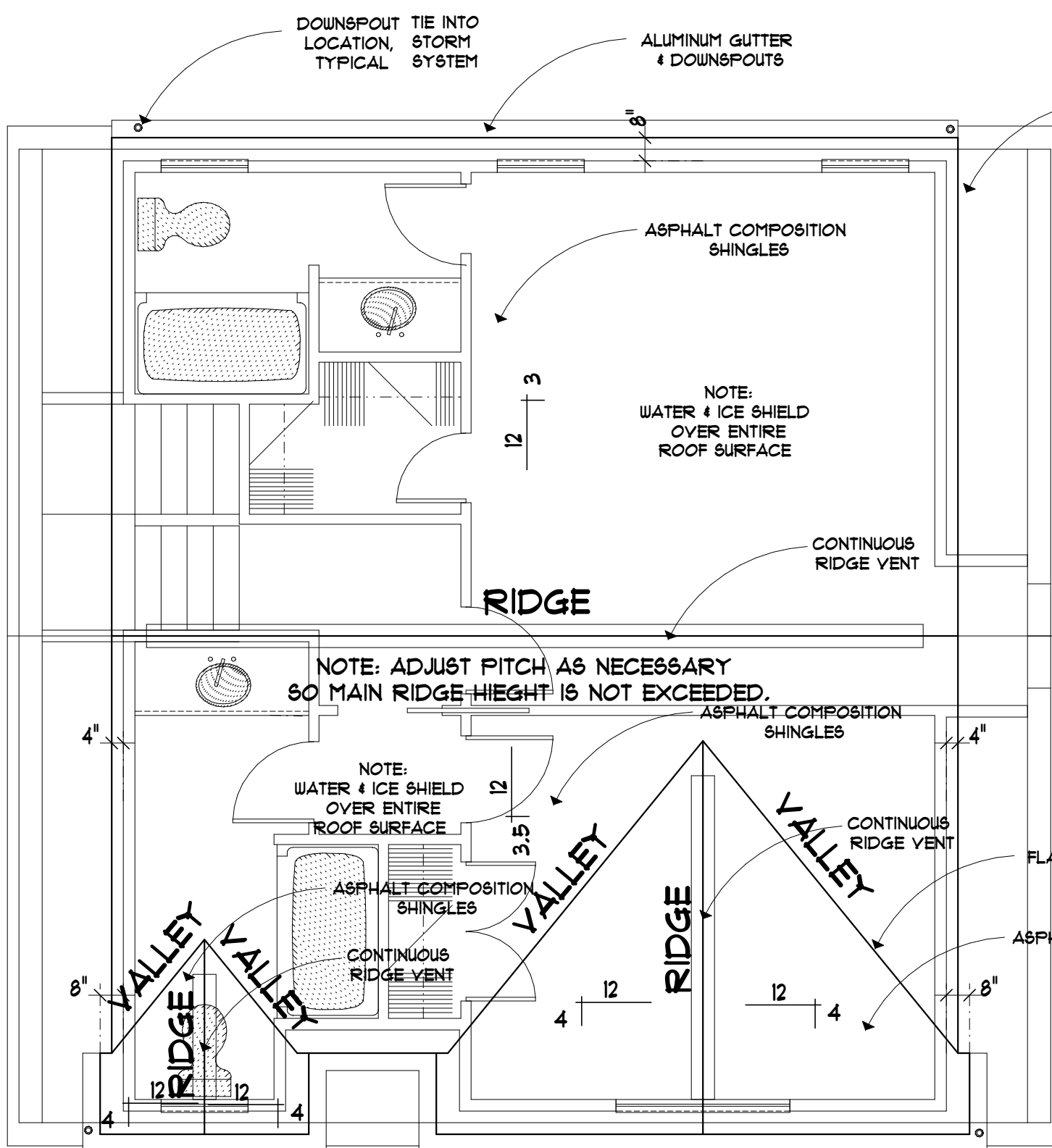
303.4 Opening location. Outdoor intake and exhaust openings shall be located in accordance with Sections 303.4.1 and 303.4.2.

303.4.1 Intake openings. Mechanical and gravity outdoor air intake openings shall be located a minimum of 10 feet (3048 mm) from any hazardous or noxious contaminant, such as vents, chimneys, plumbing vents, exhaust stacks, parking lots and loading docks, except as otherwise specified in this code. Where a source of contaminant is located within 10 feet (3048 mm) of an intake opening, such opening shall be located a minimum of 2 feet (610 mm) below the contaminant source.

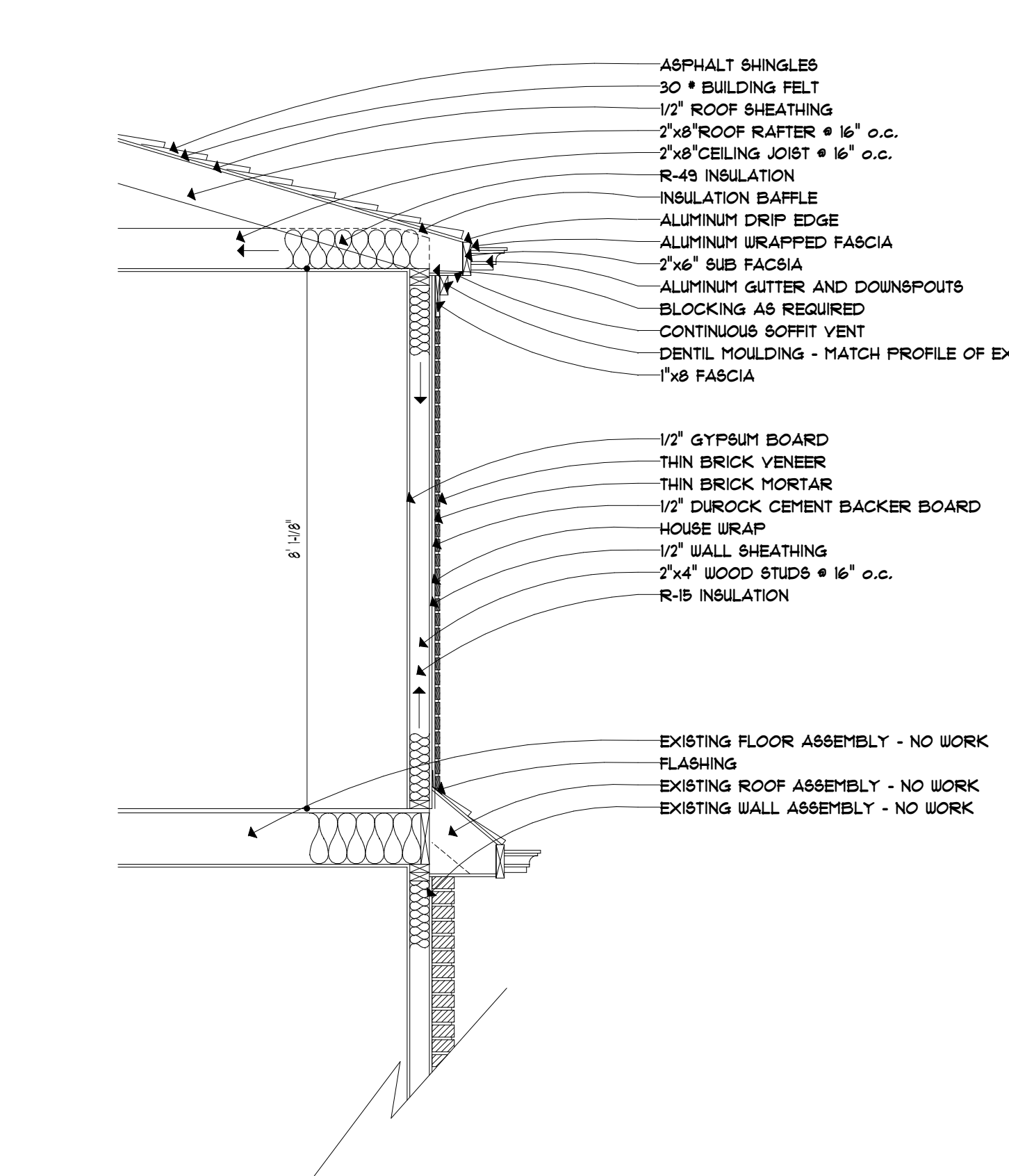
For the purpose of this section, the exhaust from dwelling unit toilet room, bathrooms and kitchens shall not be considered as hazardous or noxious.

303.4.2 Exhaust openings. Exhaust air shall not be directed onto walkways.

303.5 Outside opening protection. Air exhaust and intake openings that terminate outdoors shall be protected with corrosion-resistant screens, louvers or grilles having a minimum opening size of 1/4 inch (6 mm) and a maximum opening size of 1/2 inch (13 mm) in any dimension. Openings shall be protected against local weather conditions. Outdoor air exhaust and intake openings shall meet the provisions for exterior wall opening protectives in accordance with this code.



ROOF PLAN



WALL SECTION

ALL POINT LOADS AND BEARING WALLS SHALL BE BLOCKED DOWN TO STRUCTURAL MEMBERS

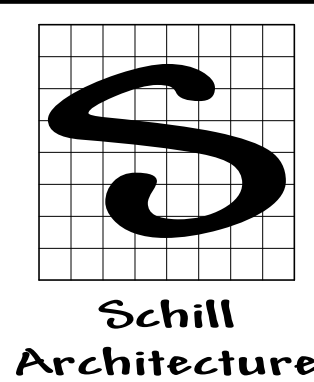
NOTE: COORDINATE DOWNSPOUTS LEADS WITH ARCHITECT PRIOR TO INSTALLATION

PROVIDE ACCESS TO ALL ATTIC AREAS. COORDINATE LOCATIONS WITH BUILDER

ALL ROOF AREAS SHALL BE VENTILATED ACCORDING TO THE REQUIREMENTS OF SECTION R806 "ROOF VENTILATION" OF THE RESIDENTIAL CODE OF OHIO IF FOAM INSULATION IS NOT USED

MATCH ALL EXISTING BEARING POINTS

NOTE: ALL ROOF PENETRATIONS SHALL BE PAINTED BLACK



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SCHILL ARCHITECTURE, LLC

DESIGN LOADS

COMPONENT	LIVE LOAD	DEAD LOAD	TOTAL LOAD
ATTIC (WALK UP STORAGE)	30 P.S.F.	15 P.S.F.	45 P.S.F.
ATTIC (LIMITED STORAGE)	20 P.S.F.	15 P.S.F.	35 P.S.F.
ATTIC (NO STORAGE)	10 P.S.F.	15 P.S.F.	25 P.S.F.
DECKS	40 P.S.F.	15 P.S.F.	55 P.S.F.
EXTERIOR BALCONIES	60 P.S.F.	15 P.S.F.	75 P.S.F.
GUARDRAIL AND HANDRAILS	200 P.S.F.	15 P.S.F.	215 P.S.F.
GUARDRAIL INFILL COMPONENTS	50 P.S.F.	15 P.S.F.	65 P.S.F.
PASSENGER VEHICLE GARAGES	50 P.S.F.	15 P.S.F.	65 P.S.F.
ROOMS OTHER THAN SLEEPING ROOMS	40 P.S.F.	15 P.S.F.	55 P.S.F.
SLEEPING ROOMS	30 P.S.F.	15 P.S.F.	45 P.S.F.
STAIRS	40 P.S.F.	15 P.S.F.	55 P.S.F.
ROOFS	25 P.S.F.	15 P.S.F.	40 P.S.F.
SNOW	25 P.S.F.	N.A.	25 P.S.F.
WIND	15 M.P.H.	N.A.	15 M.P.H.
SOIL BEARING	3000 P.S.F.	N.A.	3000 P.S.F.

NOTES:
1. ASSUMED SOIL BEARING CAPACITY IS 3000 P.S.F. A GEOTECHNICAL ENGINEER SHALL BE RETAINED AND THE ARCHITECT SHALL BE NOTIFIED AT ONCE IF UNUSUAL OR UNSTABLE SOIL CONDITIONS EXIST.
2. NOTIFY ARCHITECT IF STONE OR TILE FLOORING IS TO BE USED.
3. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGLE.

SPACE	MATERIAL	HEIGHT
MAIN FLOOR	WOOD-2"x4"/12"x4"	N.A.
UPPER FLOOR	WOOD-2"x4"/12"x4"	N.A.
THIRD FLOOR	WOOD-2"x4"/12"x4"	8' 0"

AREA SUMMARY

AREA	SIZE
UNFINISHED LOWER LEVEL	0,000 SQ.FT.
FINISHED LOWER LEVEL	0,000 SQ.FT.
MAIN LEVEL	0,000 SQ.FT.
UPPER LEVEL	0,000 SQ.FT.
UPPER LEVEL(VOLUME SPACE)	0,000 SQ.FT.
THIRD FLOOR	646 SQ.FT.
TOTAL HEATED AREA	646 SQ.FT.
GARAGE	0,000 SQ.FT.
ARRIVAL PORCH	0,000 SQ.FT.
FRIENDS/ FAMILY PORCH	0,000 SQ.FT.
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ISSUED FOR PERMIT AND BIDDING 18 AUG 2026

ISSUED FOR OWNERS REVISIONS 20 JULY 2026

REV. NO. DESCRIPTION DATE

PROJECT:
THIRD FLOOR CONVERSION TO:
A PRIVATE RESIDENCE:

LOCATION 20381 MOREWOOD PARKWAY
ROCKY RIVER, OHIO 44116
CUYAHOGA COUNTY
PERMANENT PARCEL NUMBER: 301-13-123

MISC. PLANS

SCALE: AS NOTED JOB NUMBER: 26EKCEOG

DATE: 1 JULY 2026
CAD FILE NAME: C:\DRAWINGS\CENTRAL\ARCHIVE\SCHILL\26EKCEOG\CONCEPT.CAD

STEPHEN M. SCHILL
REGISTERED ARCHITECT
1887

STEPHEN M. SCHILL, LICENSE # 8971
EXPIRATION DATE: 12/31/2021

A-1

DRAWING NUMBER

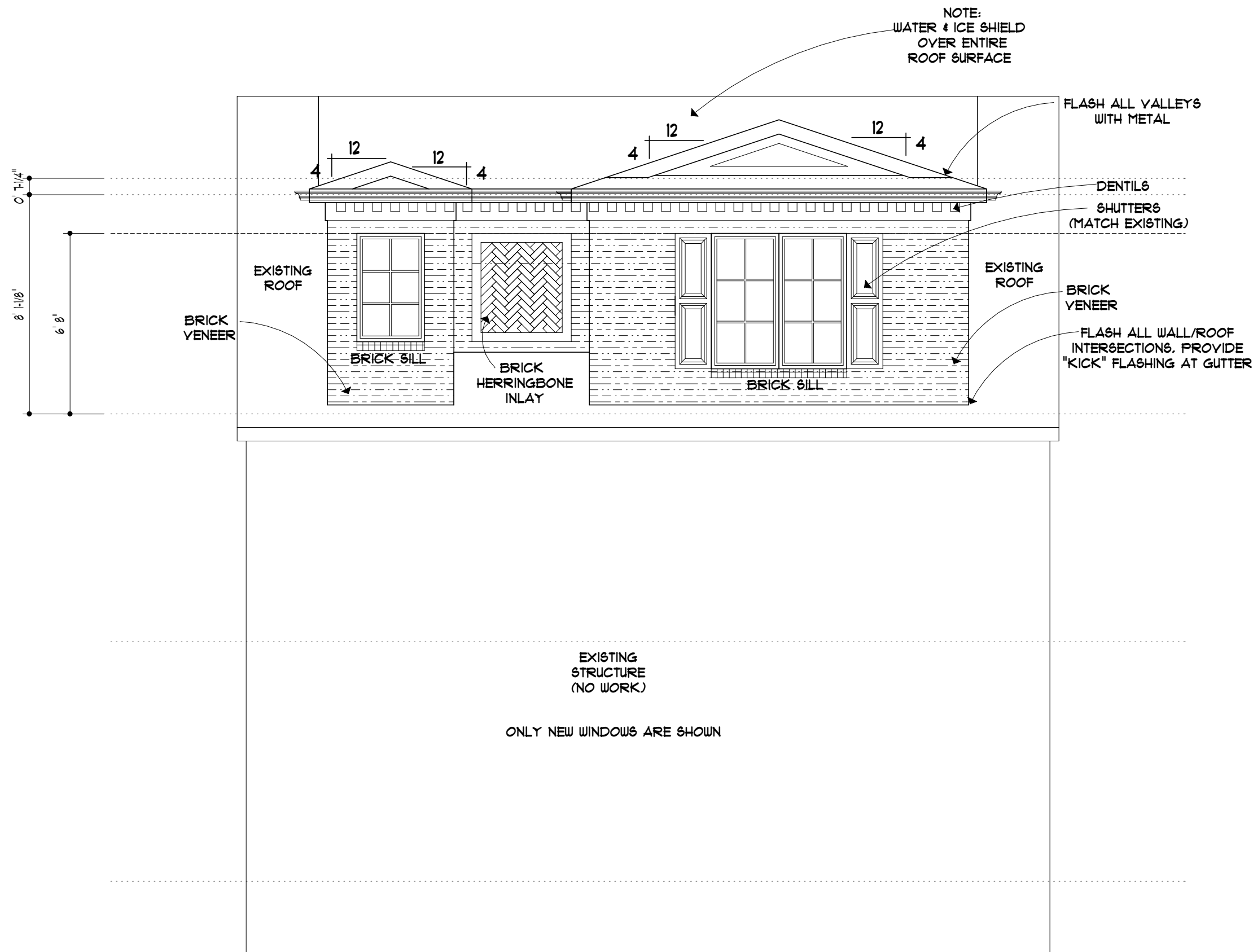


GRAPHIC SCALE

MISCELLANEOUS PLANS

SCALE: 1/4" = 1' 0"

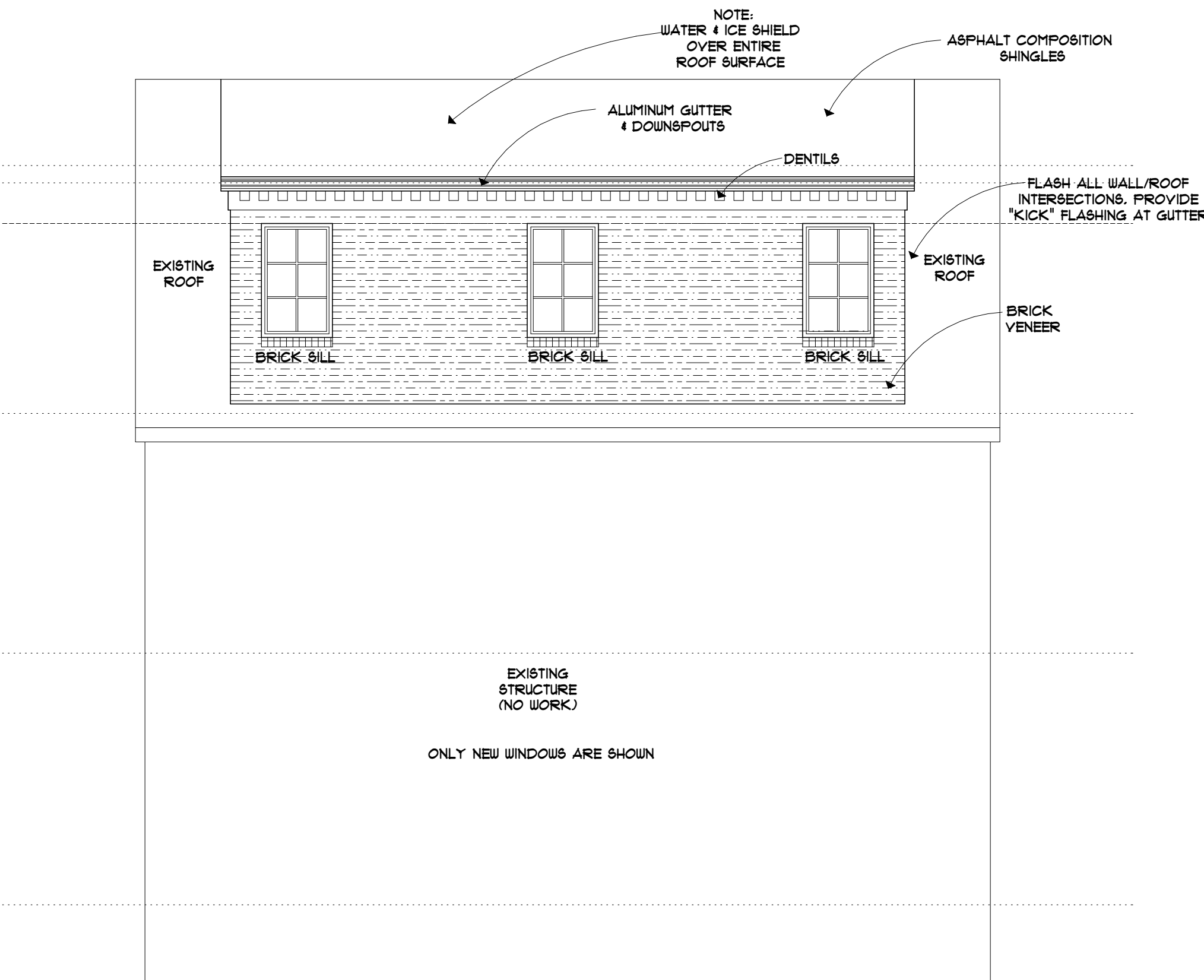
ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE 2018 RESIDENTIAL CODE OF OHIO



NORTH ELEVATION

SCALE: 1/4" = 1' 0"

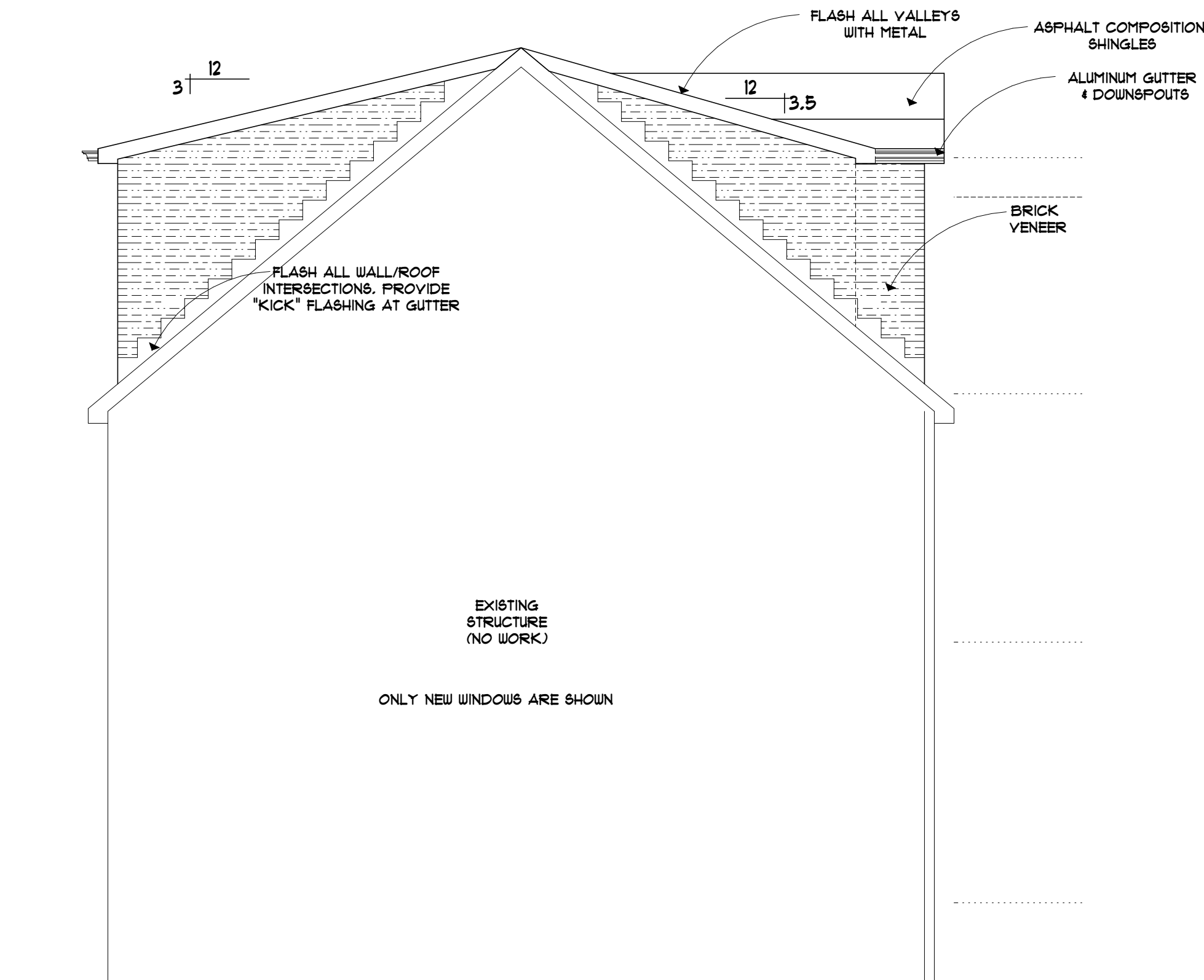
ALL MATERIALS TO MATCH EXISTING



SOUTH ELEVATION

SCALE: 1/4" = 1' 0"

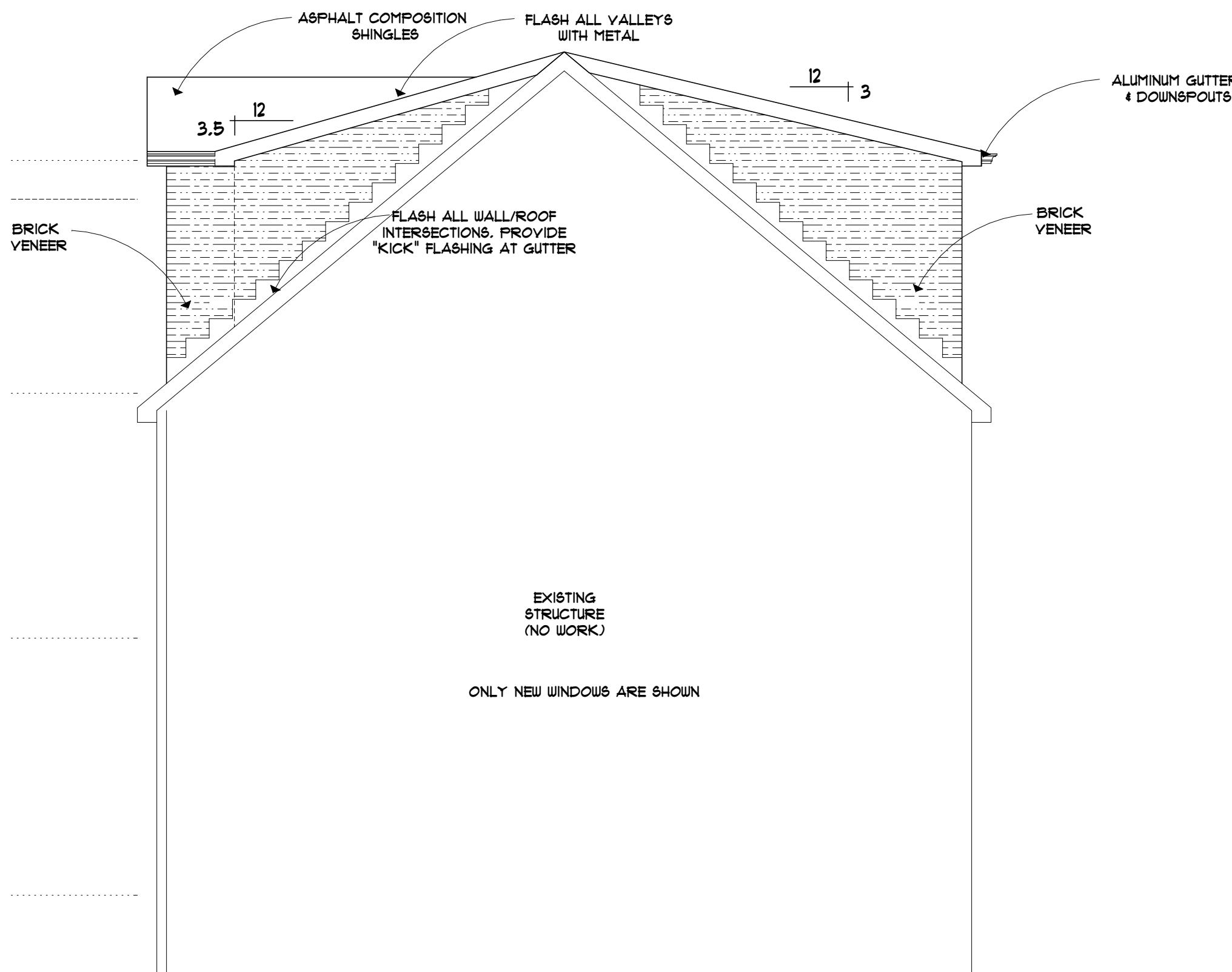
ALL MATERIALS TO MATCH EXISTING



EAST ELEVATION

SCALE: 1/4" = 1' 0"

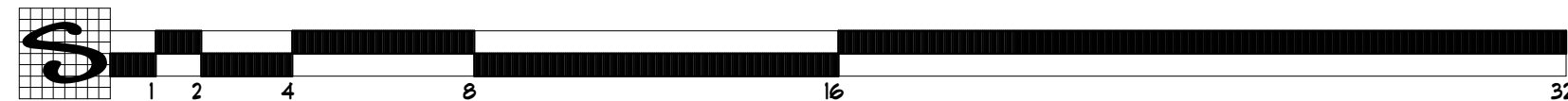
ALL MATERIALS TO MATCH EXISTING



WEST ELEVATION

SCALE: 1/4" = 1' 0"

ALL MATERIALS TO MATCH EXISTING

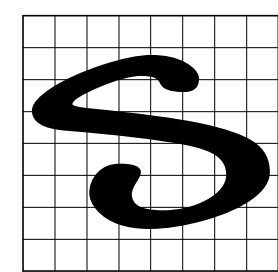


GRAPHIC SCALE

EXTERIOR ELEVATIONS

SCALE: 1/4" = 1' 0"

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DESIGN LOADS

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ROOFS	25 P.S.F.	15 P.S.F.	40 P.S.F.
SNOW	25 P.S.F.	N.A.	25 P.S.F.
WIND	15 M.P.H.	N.A.	15 M.P.H.
SOIL BEARING	3000 P.S.F.	N.A.	3000 P.S.F.

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ISSUED FOR PERMIT AND BIDDING 15 AUG 2026

ISSUED FOR OWNERS REVISIONS 20 JULY 2026

REV. NO. DESCRIPTION DATE

PROJECT:

**THIRD FLOOR CONVERSION TO:
A PRIVATE RESIDENCE:**

LOCATION 20381 MOREWOOD PARKWAY
ROCKY RIVER, OHIO 44116
CUYAHOGA COUNTY
PERMANENT PARCEL NUMBER: 301-13-123

EXTERIOR ELEVATIONS

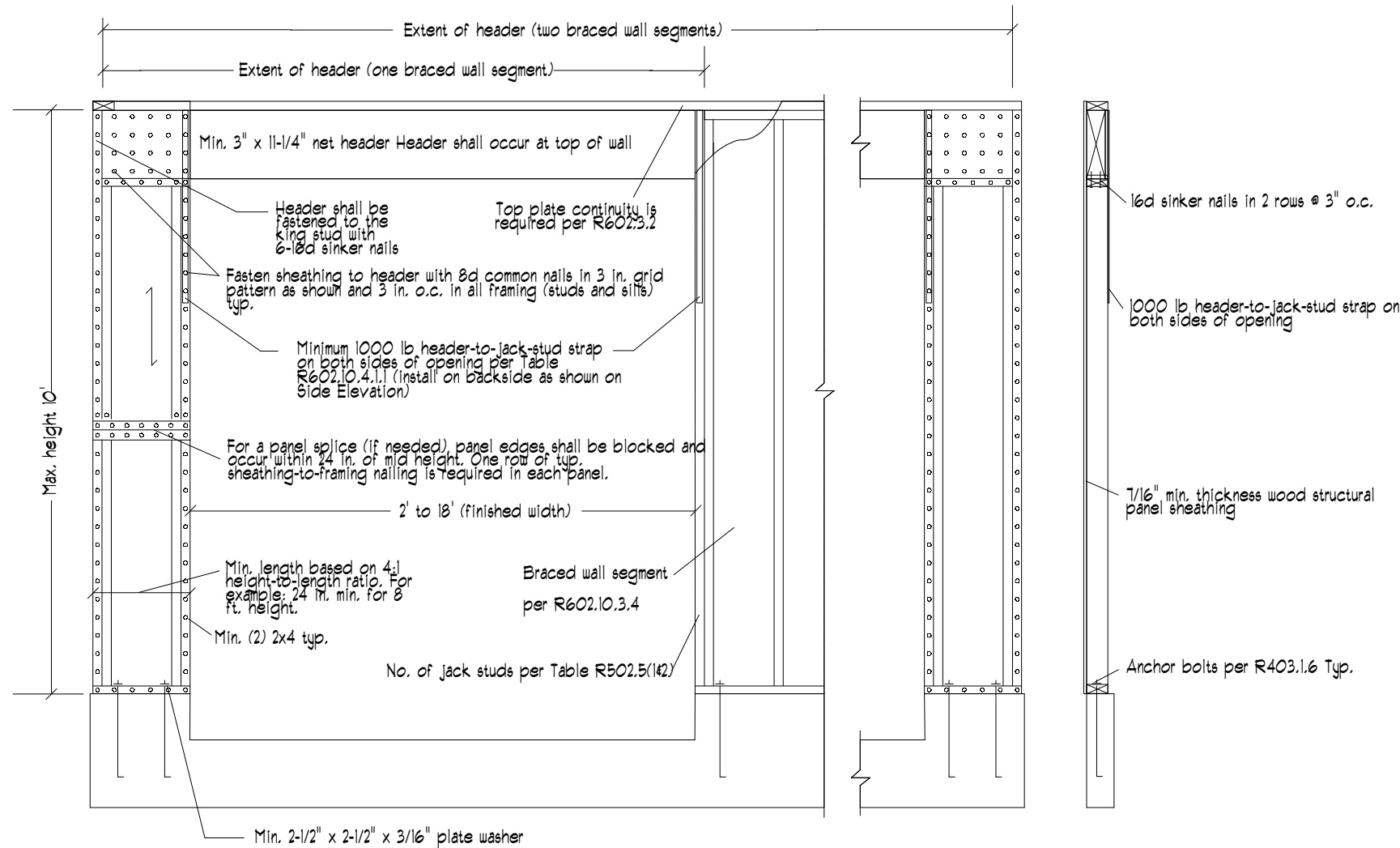
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DATE: 1 JULY 2026

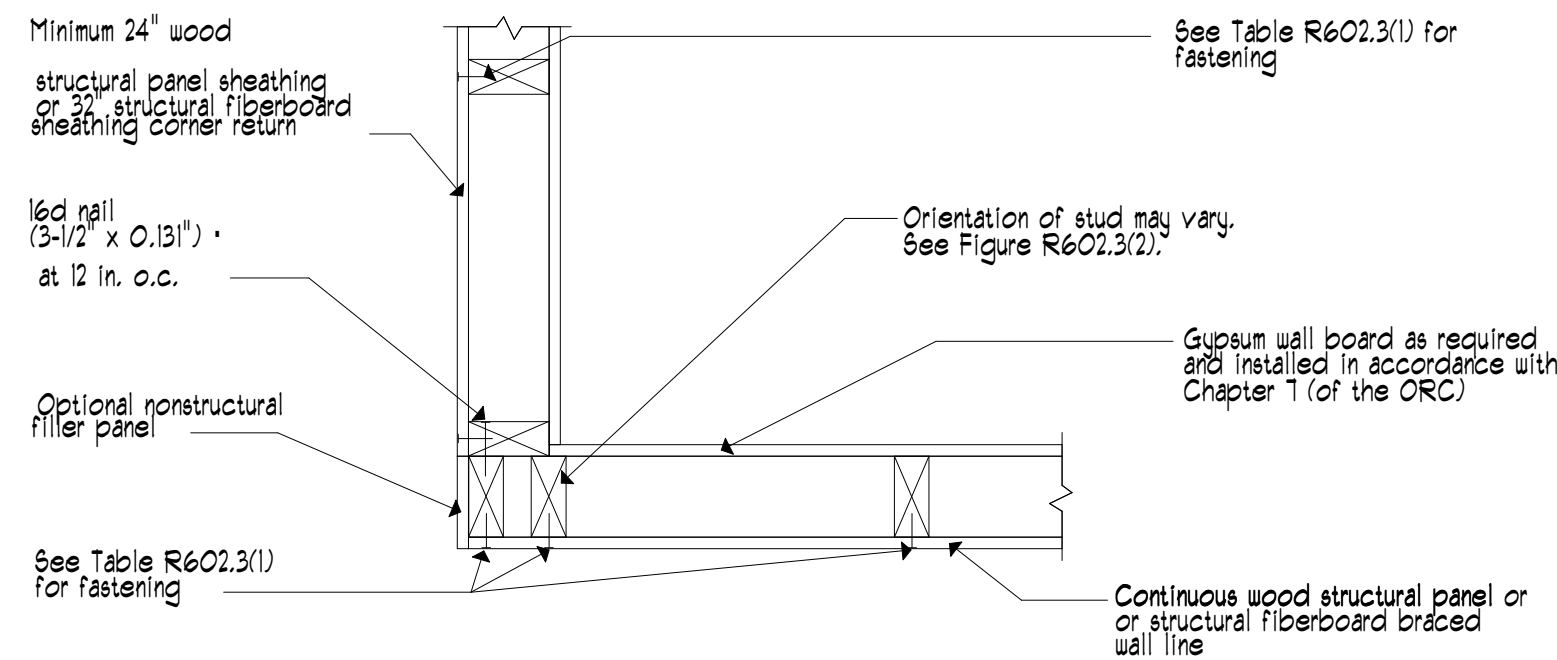
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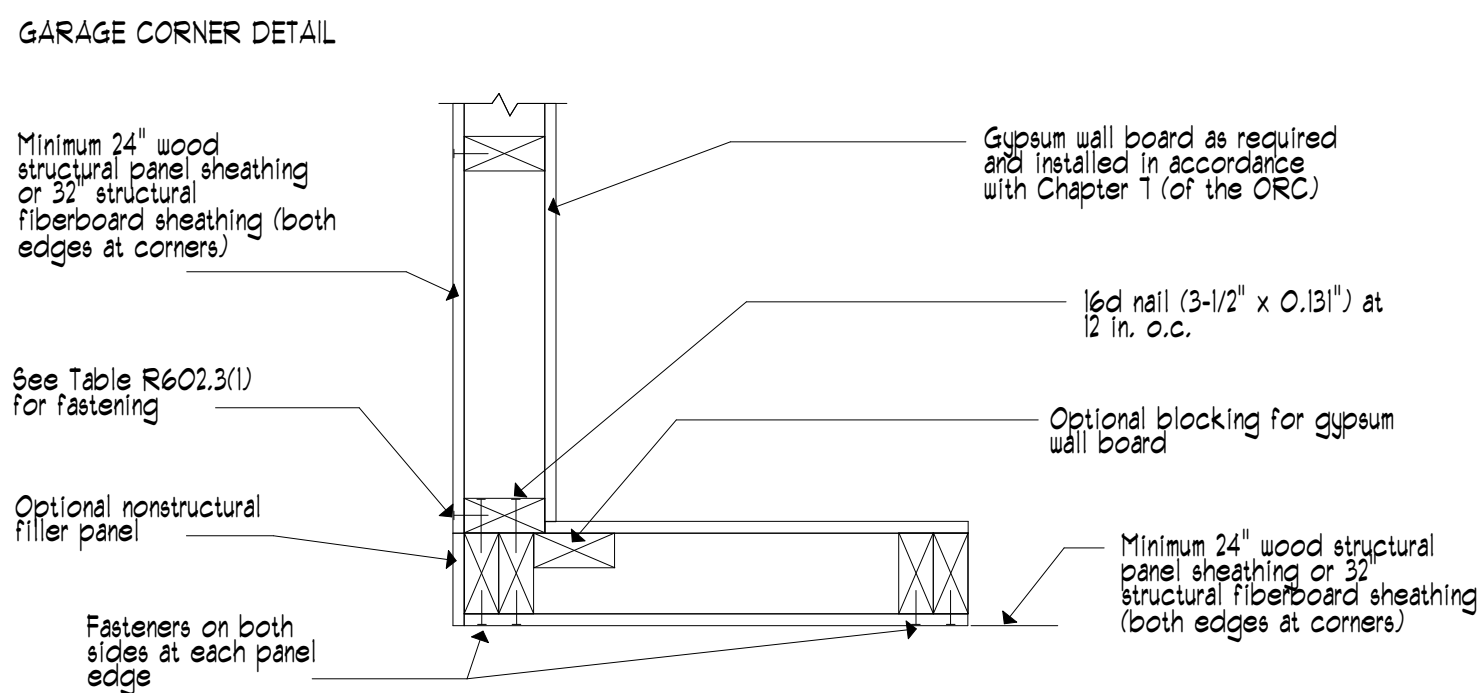
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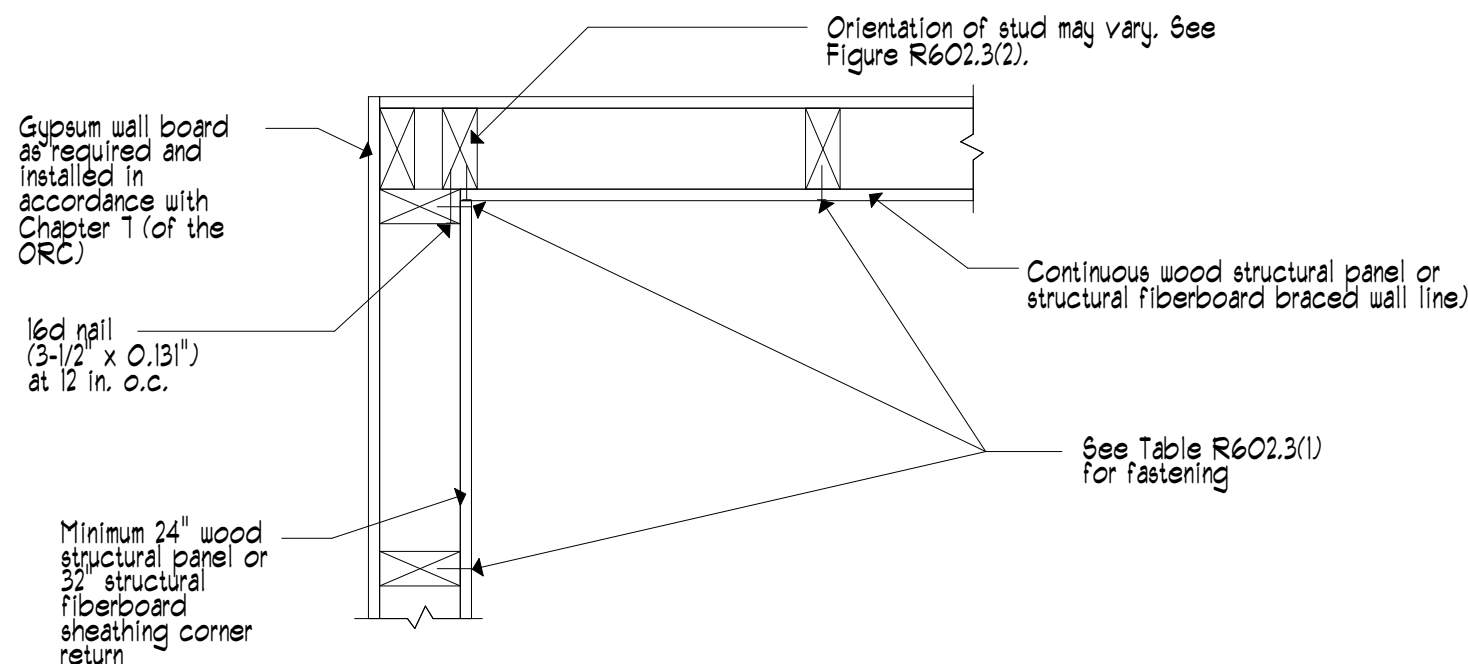
APA BRACED WALL
SCALE: NONE



INSIDE CORNER DETAIL
SCALE: NONE

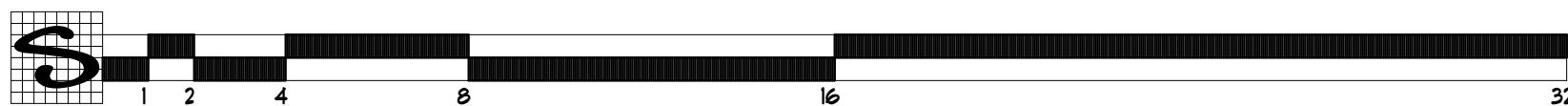


GARAGE CORNER DETAIL
SCALE: NONE



INSIDE CORNER DETAIL
SCALE: NONE

R-VALUE ASSEMBLY TABLE		R-VALUE ASSEMBLY TABLE	
WALL ASSEMBLY		CEILING ASSEMBLY	
COMPONENT	R VALUE	COMPONENT	R VALUE
OUTSIDE AIR FILM	0.17	INSIDE AIR FILM	0.68
THIN BRICK VENEER	0.10	1/2" GYPSUM BOARD	0.45
THINSET MORTAR	0.05	12" FIBERGLASS BATT INSULATION	49.0
1/2" DUROCK CEMENT BACKER BOARD	0.40	1/2" PLYWOOD SHEATHING	0.63
1/2" PLYWOOD SHEATHING	0.63	ASPHALT SHINGLES	0.44
3-1/2" FIBERGLASS BATT INSULATION	15	OUTSIDE AIR FILM	0.17
1/2" GYPSUM BOARD	0.45		
INSIDE AIR FILM	0.68		
TOTAL R VALUE	17.48	TOTAL R VALUE	51.37

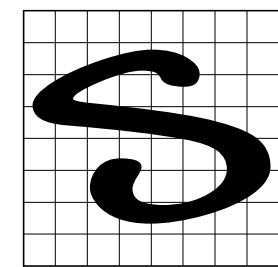


GRAPHIC SCALE



SCALE: NONE

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OFFICE ADDRESS:
1650 CROSSINGS PARKWAY SUITE E
WESTLAKE, OHIO 44145

EMAIL ADDRESS:
STEVEN@SCHILLARCHITECTURE.COM

DESIGN LOADS

COMPONENT	LIVE LOAD	DEAD LOAD	TOTAL LOAD
ATTIC (WALK UP STORAGE)	30 P.S.F.	15 P.S.F.	45 P.S.F.
ATTIC (LIMITED STORAGE)	20 P.S.F.	15 P.S.F.	35 P.S.F.
ATTIC (NO STORAGE)	10 P.S.F.	15 P.S.F.	25 P.S.F.
DECKS	40 P.S.F.	15 P.S.F.	55 P.S.F.
EXTERIOR BALCONIES	60 P.S.F.	15 P.S.F.	75 P.S.F.
GUARDRAIL AND HANDRAILS	200 P.S.F.	15 P.S.F.	215 P.S.F.
GUARDRAIL INFILL COMPONENTS	50 P.S.F.	15 P.S.F.	65 P.S.F.
PASSENGER VEHICLE GARAGES	50 P.S.F.	15 P.S.F.	65 P.S.F.
ROOMS OTHER THAN SLEEPING ROOMS	40 P.S.F.	15 P.S.F.	55 P.S.F.
SLEEPING ROOMS	30 P.S.F.	15 P.S.F.	45 P.S.F.
STAIRS	40 P.S.F.	15 P.S.F.	55 P.S.F.
ROOFS	25 P.S.F.	15 P.S.F.	40 P.S.F.
SNOW	25 P.S.F.	N.A.	25 P.S.F.
WIND	15 M.P.H.	N.A.	15 M.P.H.
SOIL BEARING	2000 P.S.F.	N.A.	2000 P.S.F.

NOTES:
1. ASSUMED SOIL BEARING CAPACITY IS 2000 P.S.F. A GEOTECHNICAL ENGINEER SHALL BE RETAINED AND THE ARCHITECT SHALL BE NOTIFIED AT ONCE IF UNUSUAL OR UNSTABLE SOIL CONDITIONS EXIST.
2. NOTIFY ARCHITECT IF STONE OR TILE FLOORING IS TO BE USED.
3. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGLE.

SPACE	MATERIAL	HEIGHT
LOWER LEVEL	WOOD-2"x4"/2"x4"	N.A.
MAIN FLOOR	WOOD-2"x4"/2"x4"	N.A.
UPPER FLOOR	WOOD-2"x4"/2"x4"	8' 0"

AREA	SIZE
UNFINISHED LOWER LEVEL	0,000 SQ.FT.
FINISHED LOWER LEVEL	0,000 SQ.FT.
MAIN LEVEL	0,000 SQ.FT.
UPPER LEVEL	0,000 SQ.FT.
UPPER LEVEL(VOLUME SPACE)	0,000 SQ.FT.
THIRD FLOOR	646 SQ.FT.
TOTAL HEATED AREA	646 SQ.FT.
GARAGE	0,000 SQ.FT.
ARRIVAL PORCH	0,000 SQ.FT.
FRIENDS/ FAMILY PORCH	0,000 SQ.FT.
MAIN LEVEL COVERED FRONT PORCH	0,000 SQ.FT.
LOWER LEVEL COVERED REAR PORCH	0,000 SQ.FT.
TOTAL AREA UNDER ROOF	646 SQ.FT.
REAR PORCH (NOT COVERED)	0,000 SQ.FT.
TOTAL PROJECT AREA	646 SQ.FT.

AREA CALCULATIONS ARE MADE FROM THE OUTSIDE FACE OF EXTERIOR WALLS, STAIRWELLS AND FIREPLACE AREAS ARE INCLUDED ONCE, GARAGES, OPEN SPACES, DECKS, PATIOS, AND EXTERIOR PORCHES ARE NOT INCLUDED IN THESE FIGURES. THEY ARE SUMMARIZED AS ADDITIONAL AREAS IN THIS TABLE.

ISSUED FOR PERMIT AND BIDDING	18 AUG 2016
ISSUED FOR OWNERS REVISIONS	20 JULY 2016

REV. NO.	DESCRIPTION	DATE
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PROJECT:

**THIRD FLOOR CONVERSION TO:
A PRIVATE RESIDENCE:**

LOCATION: 20381 MOREWOOD PARKWAY
ROCKY RIVER, OHIO 44116
CUYAHOGA COUNTY
PERMANENT PARCEL NUMBER: 301-13-123

DETAILS

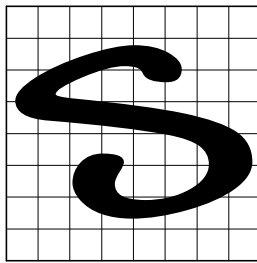
SCALE: AS NOTED	JOB NUMBER: 26EKCEOG
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DATE: 1 JULY 2026	CAD FILE NAME: C:\DRAWINGS\CENTRAL\ARCHIVE\ SCHILL\KRC2603\CONCEPT.CAD
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A-3

STEPHEN M. SCHILL, LICENSE # 8871
EXPIRATION DATE: 12/31/2021

DRAWING NUMBER



Schill
Architecture

SCHILL ARCHITECTURE, LLC

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OFFICE ADDRESS:
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WESTLAKE, OHIO 44145

DESIGN LOADS

COMPONENT	LIVE LOAD	DEAD LOAD	TOTAL LOAD
ATTIC (WALK UP STORAGE)	30 P.S.F.	15 P.S.F.	45 P.S.F.
ATTIC (LIMITED STORAGE)	20 P.S.F.	15 P.S.F.	35 P.S.F.
ATTIC (NO STORAGE)	10 P.S.F.	15 P.S.F.	25 P.S.F.
DECKS	40 P.S.F.	15 P.S.F.	55 P.S.F.
EXTERIOR BALCONIES	60 P.S.F.	15 P.S.F.	75 P.S.F.
GUARDRAIL AND HANDRAILS	200 P.S.F.	15 P.S.F.	215 P.S.F.
GUARDRAIL INFILL COMPONENTS	50 P.S.F.	15 P.S.F.	65 P.S.F.
PASSENGER VEHICLE GARAGES	50 P.S.F.	15 P.S.F.	65 P.S.F.
ROOMS (OTHER THAN SLEEPING ROOMS)	40 P.S.F.	15 P.S.F.	55 P.S.F.
SLEEPING ROOMS	30 P.S.F.	15 P.S.F.	45 P.S.F.
STAIRS	40 P.S.F.	15 P.S.F.	55 P.S.F.
ROOFS	25 P.S.F.	15 P.S.F.	40 P.S.F.
SNOW	25 P.S.F.	N.A.	25 P.S.F.
WIND	15 M.P.H.	N.A.	15 M.P.H.
SOIL BEARING	2000 P.S.F.	N.A.	2000 P.S.F.

NOTES:
1. ASSUMED SOIL BEARING CAPACITY IS 2000 P.S.F. A GEOTECHNICAL ENGINEER SHALL BE RETAINED AND THE ARCHITECT SHALL BE NOTIFIED AT ONCE IF UNUSUAL OR UNSTABLE SOIL CONDITIONS EXIST.
2. NOTIFY ARCHITECT IF STONE OR TILE FLOORING IS TO BE USED.
3. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGLE.

MATERIAL SUMMARY

SPACE	MATERIAL	HEIGHT
LOWER LEVEL	WOOD-2"x4"x12"x4"	N.A.
MAIN FLOOR	WOOD-2"x4"x12"x4"	N.A.
UPPER FLOOR	WOOD-2"x4"x12"x4"	8' 0"

AREA SUMMARY

AREA	SIZE
UNFINISHED LOWER LEVEL	0,000 SQ.FT.
FINISHED LOWER LEVEL	0,000 SQ.FT.
MAIN LEVEL	0,000 SQ.FT.
UPPER LEVEL	0,000 SQ.FT.
UPPER LEVEL(VOLUME SPACE)	0,000 SQ.FT.
THIRD FLOOR	646 SQ.FT.
TOTAL HEATED AREA	646 SQ.FT.
GARAGE	0,000 SQ.FT.
ARRIVAL PORCH	0,000 SQ.FT.
FRIENDS/ FAMILY PORCH	0,000 SQ.FT.
MAIN LEVEL COVERED FRONT PORCH	0,000 SQ.FT.
LOWER LEVEL COVERED REAR PORCH	0,000 SQ.FT.
TOTAL AREA UNDER ROOF	646 SQ.FT.
REAR PORCH (NOT COVERED)	0,000 SQ.FT.
TOTAL PROJECT AREA	646 SQ.FT.

AREA CALCULATIONS ARE MADE FROM THE OUTSIDE FACE OF EXTERIOR WALLS. STAIRWELLS AND FIREPLACE AREAS ARE INCLUDED ONCE GARAGES, OPEN SPACES, DECKS, PATIOS, AND EXTERIOR PORCHES ARE NOT INCLUDED IN THESE FIGURES. THEY ARE SUMMARIZED AS ADDITIONAL AREAS IN THIS TABLE.

ISSUED FOR PERMIT AND RECORDS	15 AUG 2026
ISSUED FOR OWNERS REVISIONS	20 JULY 2026

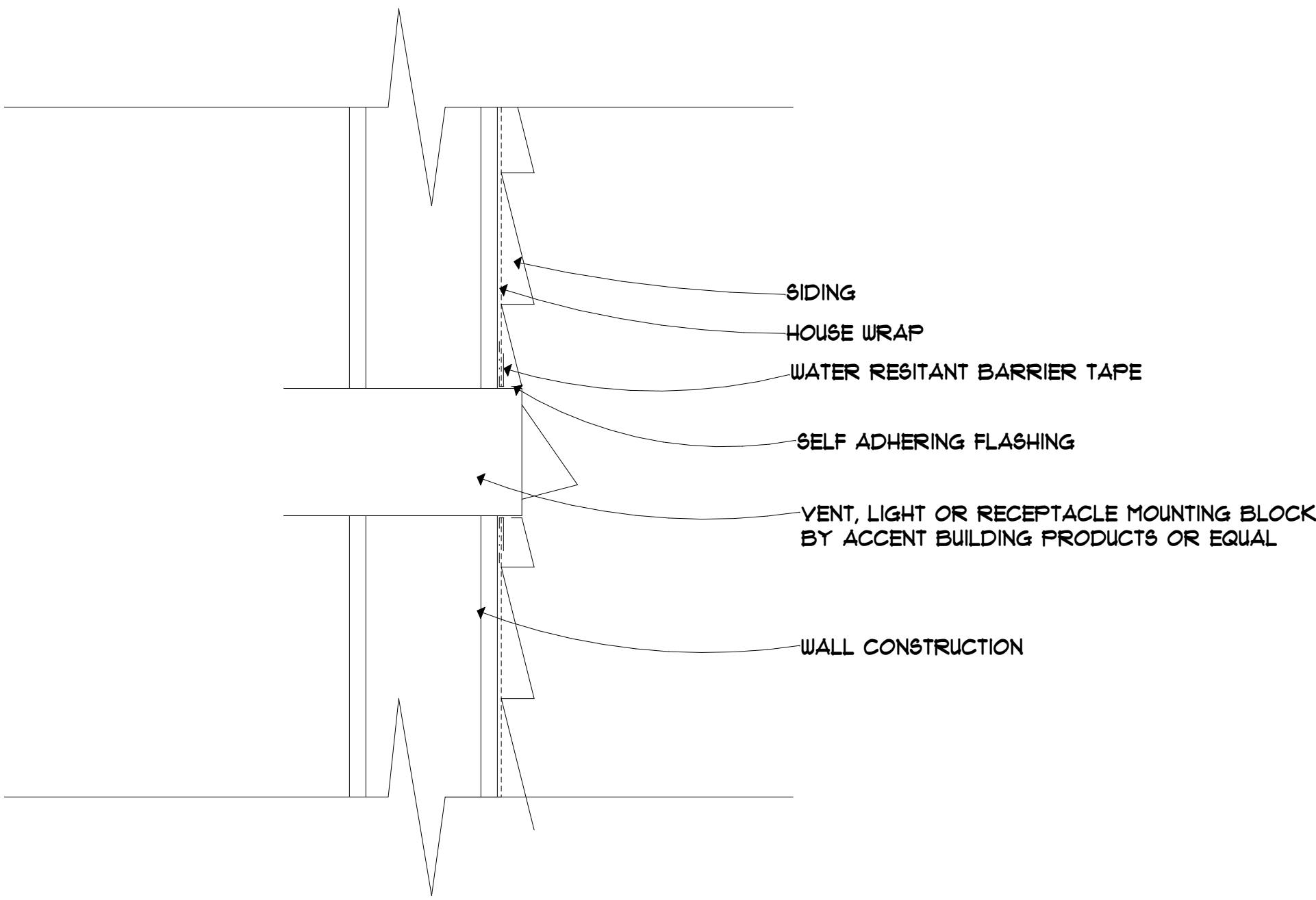
REV. NO.	DESCRIPTION	DATE
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PROJECT:
**THIRD FLOOR CONVERSION TO:
A PRIVATE RESIDENCE:**

LOCATION20981 MOREWOOD PARKWAY
ROCKY RIVER, OHIO 44116
CUYAHOGA COUNTY
PERMANENT PARCEL NUMBER: 30113-123

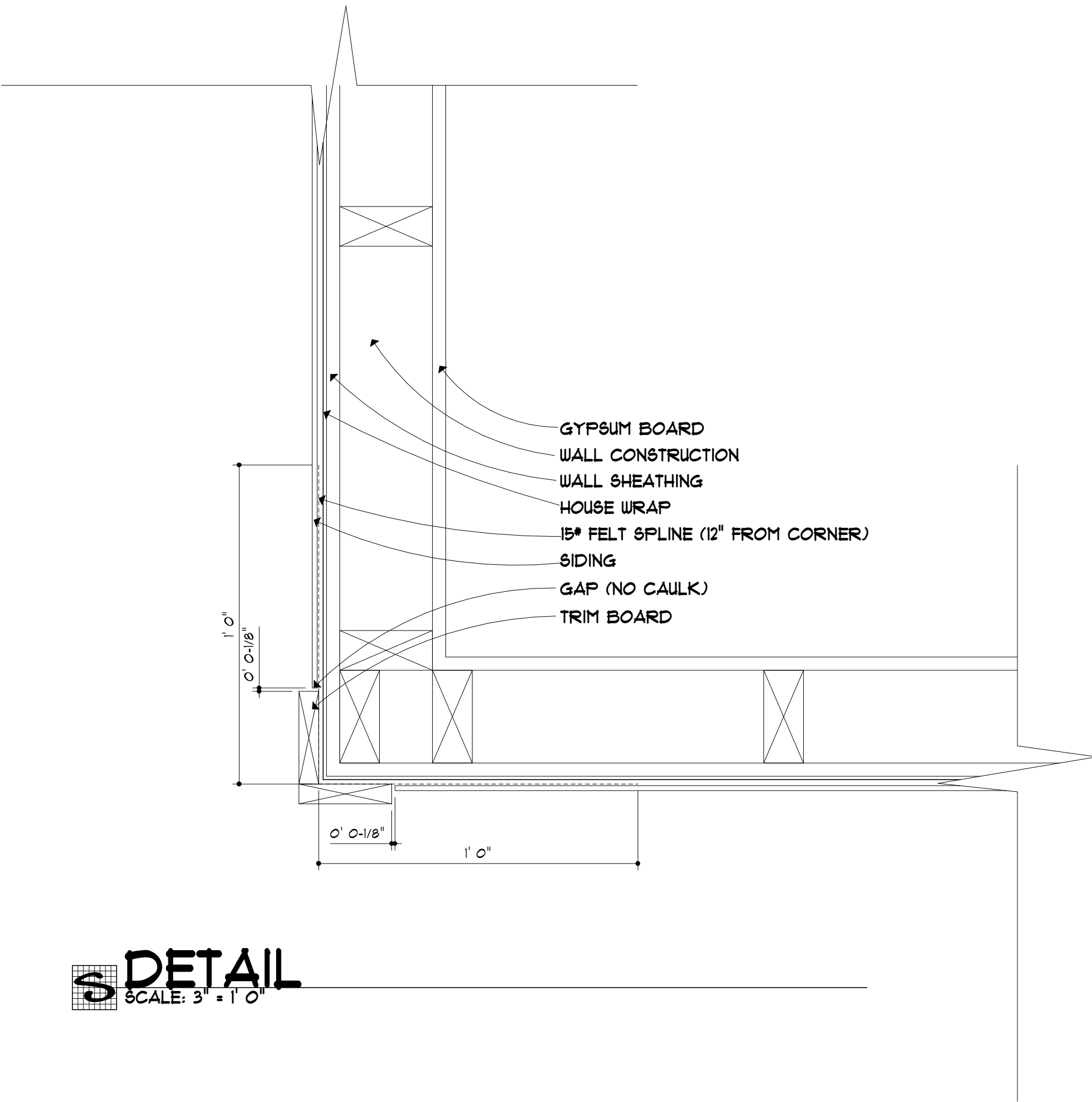
DETAILS

SCALE: AS NOTED	JOB NUMBER: 26EKCEOG
DATE: 1 JULY 2026	CAD FILE NAME: C:\DRAWINGS\CENTRAL\ARCHIVE\ SCHILL\26EKCEOG\CONCEPT.CAD
STEPHEN M. SCHILL, LICENSE # 8877-1 EXPIRATION DATE: 03/31/2021	
DRAWING NUMBER A-4	



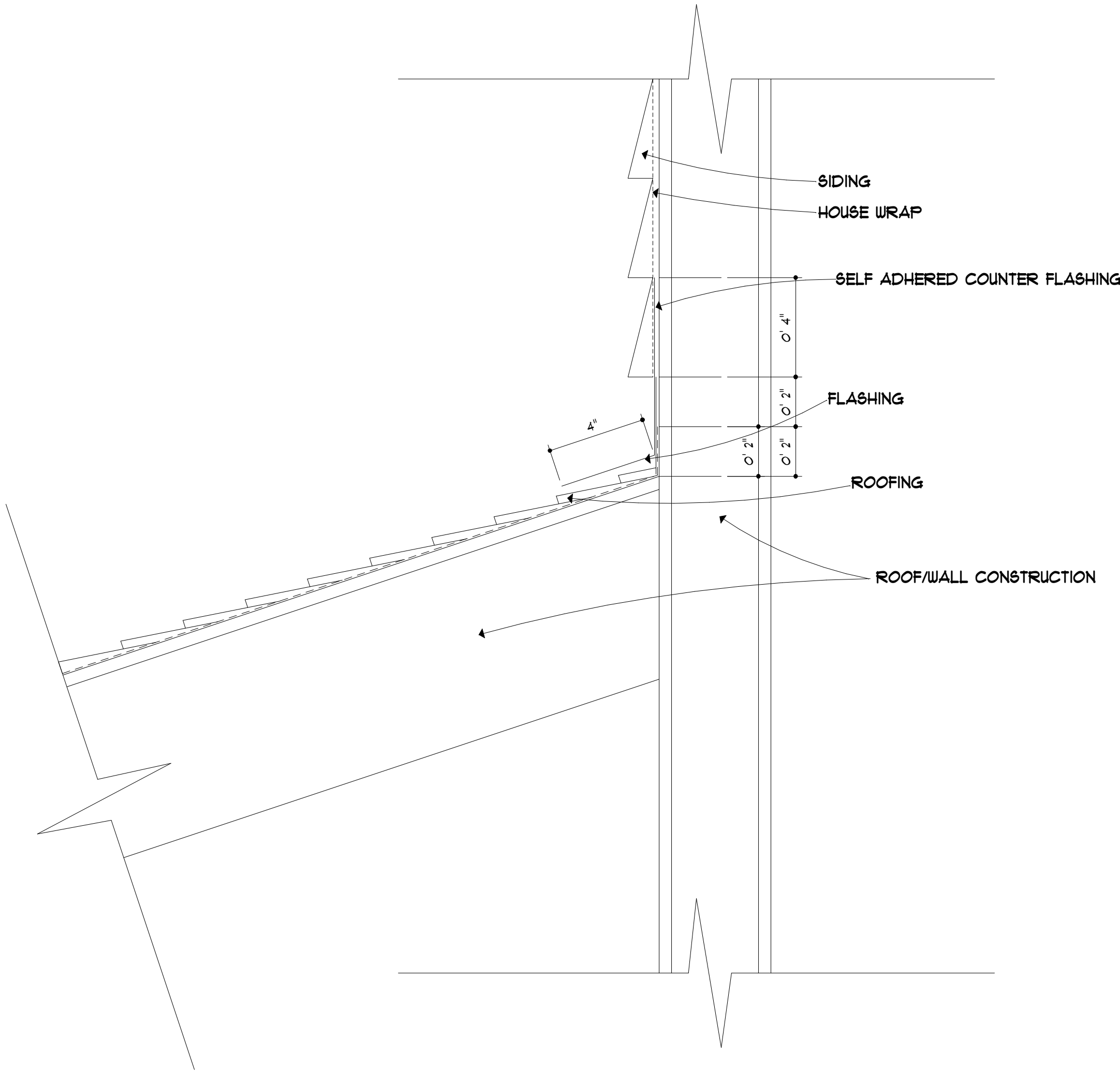
DETAIL

SCALE: 3" = 1' 0"



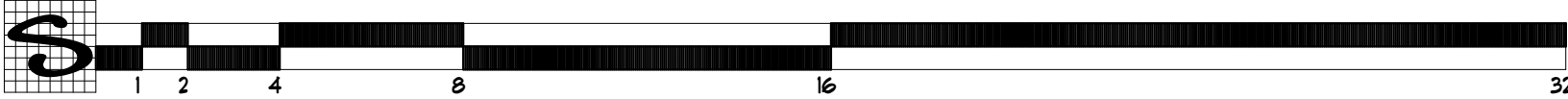
DETAIL

SCALE: 3" = 1' 0"



DETAIL

SCALE: 3" = 1' 0"

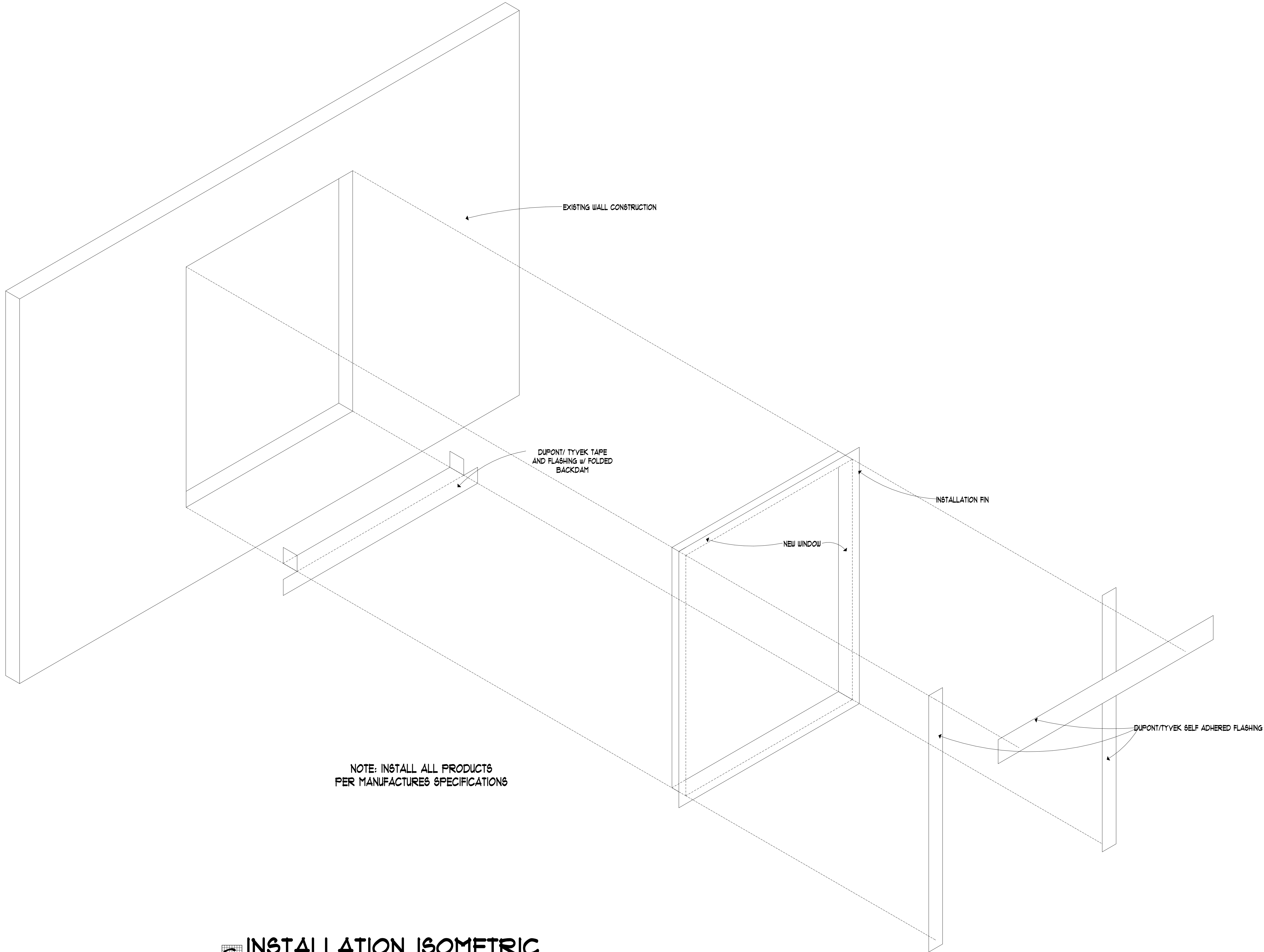


GRAPHIC SCALE

DETAIL

SCALE: NONE

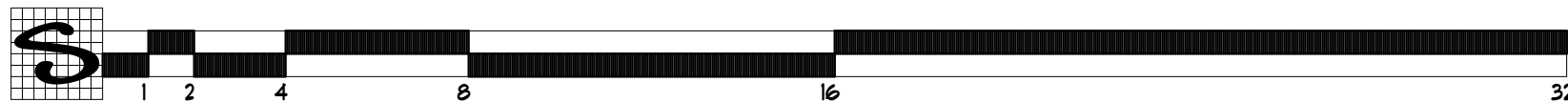
ALL CONSTRUCTION SHALL COMPLY
WITH THE REQUIREMENTS OF THE 2018
RESIDENTIAL CODE OF OHIO



NOTE: INSTALL ALL PRODUCTS
PER MANUFACTURERS SPECIFICATIONS

INSTALLATION ISOMETRIC

SCALE: NONE

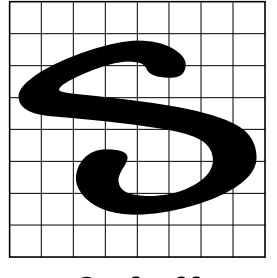


GRAPHIC SCALE

DETAIL

SCALE: NONE

ALL CONSTRUCTION SHALL COMPLY
WITH THE REQUIREMENTS OF THE 2019
RESIDENTIAL CODE OF OHIO



Schill
Architecture

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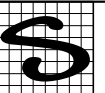
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WESTLAKE, OHIO 44145

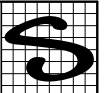
EMAIL ADDRESS:
STEVEN@SCHILLARCHITECTURE.COM

DESIGN LOADS			
COMPONENT	LIVE LOAD	DEAD LOAD	TOTAL LOAD
ATTIC (WALK UP STORAGE)	30 P.S.F.	15 P.S.F.	45 P.S.F.
ATTIC (LIMITED STORAGE)	20 P.S.F.	15 P.S.F.	35 P.S.F.
ATTIC (NO STORAGE)	10 P.S.F.	15 P.S.F.	25 P.S.F.
DECKS	40 P.S.F.	15 P.S.F.	55 P.S.F.
EXTERIOR BALCONIES	60 P.S.F.	15 P.S.F.	75 P.S.F.
GUARDRAIL AND HANDRAILS	200 P.S.F.	15 P.S.F.	215 P.S.F.
GUARDRAIL INFILL COMPONENTS	50 P.S.F.	15 P.S.F.	65 P.S.F.
PASSENGER VEHICLE GARAGES	50 P.S.F.	15 P.S.F.	65 P.S.F.
ROOMS (OTHER THAN SLEEPING ROOMS)	40 P.S.F.	15 P.S.F.	55 P.S.F.
SLEEPING ROOMS	30 P.S.F.	15 P.S.F.	45 P.S.F.
STAIRS	40 P.S.F.	15 P.S.F.	55 P.S.F.
ROOFS	25 P.S.F.	15 P.S.F.	40 P.S.F.
SNOW	25 P.S.F.	N.A.	25 P.S.F.
WIND	115 M.P.H.	N.A.	115 M.P.H.
SOIL BEARING	3000 P.S.F.	N.A.	3000 P.S.F.

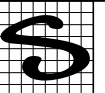
NOTES:
1. ASSIGNED SOIL BEARING CAPACITY IS 3000 P.S.F. A GEOTECHNICAL ENGINEER SHALL BE RETAINED AND THE ARCHITECT SHALL BE NOTIFIED AT ONCE IF UNUSUAL OR UNSTABLE SOIL CONDITIONS EXIST.
2. NOTIFY ARCHITECT IF STONE OR TILE FLOORING IS TO BE USED.
3. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGLE.



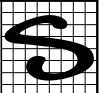
MATERIAL SUMMARY



SPACE	MATERIAL	HEIGHT
MAIN FLOOR	WOOD-2"x4"/2"x4"	N.A.
UPPER FLOOR	WOOD-2"x4"/2"x4"	N.A.
THIRD FLOOR	WOOD-2"x4"/2"x4"	8' 0"



AREA SUMMARY



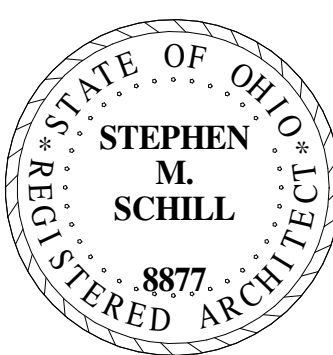
AREA	SIZE
UNFINISHED LOWER LEVEL	0,000 SQ.FT.
FINISHED LOWER LEVEL	0,000 SQ.FT.
MAIN LEVEL	0,000 SQ.FT.
UPPER LEVEL	0,000 SQ.FT.
UPPER LEVEL(VOLUME SPACE)	0,000 SQ.FT.
THIRD FLOOR	646 SQ.FT.
TOTAL HEATED AREA	646 SQ.FT.
GARAGE	0,000 SQ.FT.
ARRIVAL PORCH	0,000 SQ.FT.
FRIENDS/ FAMILY PORCH	0,000 SQ.FT.
MAIN LEVEL COVERED FRONT PORCH	0,000 SQ.FT.
LOWER LEVEL COVERED REAR PORCH	0,000 SQ.FT.
TOTAL AREA UNDER ROOF	646 SQ.FT.
REAR PORCH (NOT COVERED)	0,000 SQ.FT.
TOTAL PROJECT AREA	646 SQ.FT.

AREA CALCULATIONS ARE MADE FROM THE OUTSIDE FACE OF EXTERIOR WALLS, STAIRWELLS AND FIREPLACE AREAS ARE INCLUDED ONCE, GARAGES, OPEN SPACES, DECKS, PATIOS, AND EXTERIOR PORCHES ARE NOT INCLUDED IN THESE FIGURES. THEY ARE SUMMARIZED AS ADDITIONAL AREAS IN THIS TABLE.

	ISSUED FOR PERMIT AND BIDDING	18 AUG 2026
	ISSUED FOR OWNERS REVISIONS	20 JULY 2026

REV. NO.	DESCRIPTION	DATE
PROJECT:		
THIRD FLOOR CONVERSION TO: A PRIVATE RESIDENCE:		
LOCATION: 20381 MOREWOOD PARKWAY ROCKY RIVER, OHIO 44116 CUYAHOGA COUNTY PERMANENT PARCEL NUMBER: 301-13-123		

DETAILS

SCALE: AS NOTED	JOB NUMBER: 26EKCEOG
DATE: 1 JULY 2026	
CAD FILE NAME: C:\DRAWINGS\CENTRAL\ARCHIVE\ SCHILL\KCEOG\CONCEPT.CAD	
	
STEPHEN M. SCHILL, LICENSE # 8877 EXPIRATION DATE: 12/31/2021	
A-5	
DRAWING NUMBER	

FASTENING SCHEDULE FOR STRUCTURAL MEMBERS

ITEM	DESCRIPTION OF BUILDING ELEMENT	NUMBER AND TYPE OF FASTENERS a,b,c	SPACING OF FASTENERS
ROOF			
1	Blocking between joists or rafters to top plate, toe nail	3-8d (2½" x 0.113")	-----
2	Ceiling joists to plate, toe nail	3-8d (2½" x 0.113")	-----
3	Ceiling joists not attached to parallel rafter, lips over partitions, face nail	3-10d	-----
4	Ceiling tie rafter, face nail or 1¼"x 20 gauge ridge strap	3-10d (3" x 0.128")	-----
5	Rafter to plate, toe nail	2-16d (3½" x 0.135")	-----
6	Roof rafters to ridge, valley or hip rafters: toe nail face nail	4-16d (3½" x 0.135") 3-16d (3½" x 0.135")	-----

WALL			
1	Built-up corner studs	10d/3" x 0.128")	24" o.c.
8	Built-up header, two pieces with ½" spacer	16d (3½" x 0.135")	16" o.c. along each edge
9	Continued header, two pieces	16d (3½" x 0.135")	16" o.c. along each edge
10	Continuous header to stud, toe nail	4-8d (2½" x 0.113")	-----
11	Double studs, face nail	10d/3" x 0.128")	24" o.c.
12	Double top plates, face nail	10d/3" x 0.128")	24" o.c.
13	Double top plates, minimum 24-inch offset of end joints, face nail in lapped area	8-16d (3½" x 0.135")	24" o.c.
14	Sole plate to joist or blocking, face nail	16d (3½" x 0.135")	16" o.c.
15	Sole plate to joist or blocking at braced wall panels	3-16d (3½" x 0.135")	16" o.c.
16	Stud to sole plate, toe nail	3-8d (2½" x 0.113") or 2-16d (3½" x 0.135")	-----
17	Top or sole plate to stud, end nail	2-16d (3½" x 0.135")	-----
18	Top plates, lips at corners and intersections, face nail	2-10d (3" x 0.128")	-----
19	1" brace to each stud and plate, face nail	2-8d (2½" x 0.113") 2 staples 1½"	-----
20	1"x 8" sheathing to each bearing, face nail	2-8d (2½" x 0.113") 2 staples 1½"	-----
21	1"x 8" sheathing to each bearing, face nail	2-8d (2½" x 0.113") 3 staples 1½"	-----
22	Wider than 1"x 8" sheathing to each bearing, face nail	3-8d (2½" x 0.113") 4 staples 1½"	-----

FLOOR			
23	Joist to sill or girder, toe nail	3-8d (2½" x 0.113")	-----
24	1"x 6" subfloor or less to each joist, face nail	2-8d (2½" x 0.113") 3 staples 1½"	-----
25	2" subfloor to joist or girder, blind and face nail	2-16d (3½" x 0.135")	-----
26	Rite joist to top plate, toe nail (roof applications also)	8d (2½" x 0.113")	6" o.c.
27	2" planks (plank & beam - floor & roof)	2-16d (3½" x 0.135")	at each bearing
28	Built-up girders and beams, 2-inch lumber layers	10d (3" x 0.128")	Nail each layer as follows: 32" o.c. at top and bottom and staggered. Two nails at ends and at each splice.
29	Ledger strip supporting joists or rafters	3-16d (3½" x 0.135")	At each joist or rafter

WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING AND PARTICLEBOARD WALL SHEATHING TO FRAMING

ITEM	DESCRIPTION OF BUILDING MATERIALS	NUMBER AND TYPE OF FASTENERS b,c,e	SPACING OF FASTENERS
EDGE (INCHES)f			
INTERMEDIATE SUPPORTS g,h (INCHES)			
30	3/8"-1/4"	6d common (2" x 0.113") nail (subfloor wall) 8d common (2½" x 0.131") nail (roof)	6 12 g
31	19/32"-1"	8d common nail (2½" x 0.131")	6 12 g
32	1 1/8"-1¼"	10d common (3" x 0.148") nail or 8d (2½" x 0.131") deformed	6 12

OTHER WALL SHEATHING h			
33	½" structural cellulose fiberboard sheathing	1½" galvanized roofing nail, 1/16" crown or 1" crown staple 16 ga., ½" long	3 6
34	25/32" structural cellulose fiberboard sheathing	1½" galvanized roofing nail, 1/16" crown or 1" crown staple 16 ga., ½" long	3 6
35	½" gypsum sheathing d	1½" galvanized roofing nail; staple galvanized, 1½" long; 1¼" screws, Type W or S	7 7
36	5/8" gypsum sheathing d	1½" galvanized roofing nail; staple galvanized, 1 5/8" long; 1 5/8" screws, Type W or S	7 7

WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING

37	¾" and less	6d deformed (2" x 0.120") nail or 8d common (2½" x 0.131")	12
38	1/8"-1"	8d common (2½" x 0.131") nail or 8d deformed (2½" x 0.120")	12
39	1 1/8"-1¼"	10d common (3" x 0.148") nail or 8d deformed (2½" x 0.120")	12

For 8d: 1 inch = 25.4 mm, 1 mile per hour = 0.441 m/s, 1 ksi = 6.895 MPa.
a. All nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.171 inch, and 100 ksi for shank diameters of 0.142 inch or less.
b. Staples are 16 gauge wire and have a minimum 7/16-inch on diameter crown width.
c. Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.
d. Four-foot-by-8-foot or 4-foot-by-9-foot panels shall be applied vertically.
e. Spacing of fasteners not included in this table shall be based on Table 602.3(1).
f. For regions having basic wind speed of 100 mph or greater, 8d deformed (2½" x 0.120") nails shall be used for attaching plywood and wood structural panel roof sheathing to framing within minimum 48-inch distance from gables and walls. If mean roof height is more than 25 feet, up to 35 feet maximum.
g. For regions having basic wind speed of 100 mph or less, nails for attaching wood structural panel roof sheathing to gable and wall framing shall be spaced 6 inches on center, when basic wind speed is greater than 100 mph nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable and walls and 4 inches on center to gable and wall framing.
h. Gypsum sheathing shall conform to ASTM C 396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C 208.
i. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.



GRAPHIC SCALE

ALTERNATE ATTACHMENTS

WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING AND PARTICLEBOARD WALL SHEATHING TO FRAMING

NOMINAL MATERIAL THICKNESS (INCHES)/DESCRIPTION a,b OF FASTENERS (INCHES)		SPACING c OF FASTENERS	
		EDGE (INCHES)f	INTERMEDIATE SUPPORTS (INCHES)
UP TO 1/2"	Staple 15 ga. 1½	4	8
	O.091 - O.099 Nail 24	3	6
	Staple 16 ga. 1½	3	6
19/32 and 5/8	O.113 Nail 2	3	6
	Staple 15 and 16 ga. 2	4	8
	O.091 - O.099 Nail 24	4	8
23/32 and ¾	Staple 14 ga. 2	4	8
	Staple 15 ga. 1½	3	6
	O.091 - O.099 Nail 24	4	8
1	Staple 16 ga. 2	4	8
	Staple 14 ga. 2	4	8
	O.113 Nail 24	3	6
	Staple 15 ga. 24	4	8
	O.091 - O.099 Nail 2½	4	8