PRIVATE RESIDENCE 22105 LAKE ROAD ROCKY RIVER, OHIO 44116 CUYAHOGA COUNTY PERMANENT PARCEL NUMBER: 302-06-008

PROJECT SCOPE: ADDITION TO A SINGLE FAMILY RESIDENCE

	PROJECT SCOPE: ADDITION TO A SINGLE FAMILT RESIDENCE	
GENERAL NOTES	FRAMING NOTES	MASONRY NOTES
UNES THE PLAN IS SUBMITTED FOR PERHIT IT IS INDEPSIOOD THAT THE BUILDER HAS REVISION THE POLOPHIST AND HAS ACCEPTED THE PLANS AS RECOVER CONTROLL FOR STANDARD ASSESSMENT AND ASSESSMENT AND THE PLANS AS RECOVERED TO SECRETARIES OF THE PROCESS AND ASSESSMENT ASSESSMENT ASSESSMENT AND ASSESSMENT ASSESSME	ALL RESIDENTIAL PLANS DEAMN BY SCHLL ARCHITECTURE, LLC ARE STRUCTRALLY SIED BY SCHLL ARCHITECTURE, LLC, ANY BEAM SIZE CONTROL CAMES MADE CONTROL CAMES MADE CHAIRS CONTROLL ARCHITECTURE, LLC CAMERICAN CAMES MADE CONTROLL ARCHITECTURE, LLC CAMERICAN CONTROLL ARCHITECTURE, LLC IN NOT RESPONSIBLE FOR STRUCTURAL OR NON STRUCTURAL ISSUES RE-BETO TO SOLIC CONDITION, ANY DESIGN, PLAN FLP, SITE STAY, PREVAINCE, LLC IN NOT RESPONSIBLE FOR STRUCTURAL OR NON STRUCTURAL ISSUES RE-BETO TO SOLIC CONDITION, ANY DESIGN, PLAN FLP, SITE STAY, PREVAINCE, LLC IN NOT RESPONSIBLE FOR STRUCTURAL OR NON STRUCTURAL ISSUES RE-BETO TO SOLIC CONDITION, ANY DESIGN, PLAN FLP, SITE STAY, PREVAINCE, AND THE TRUST STANDARD FLAN FLP, SITE STAY, PREVAINCE, AND THE TRUST STANDARD FLAN FLP, SITE STAY, PREVAINCE, AND THE TRUST STANDARD FLAN FLP, SITE STAY, PREVAINCE, AND THE TRUST STANDARD FLAN FLOW FLAN FLAN FLOW FLAN FLAN FLAN FLAN FLAN FLAN FLAN FLAN	ALL FOOTINGS TO SEE S' LUDRE THAN THE BALL THEY SUPPORT AND SEAR ON LUDRISHED SOL OF BEARING CAPACITY. THE TOP ALL FOOTINGS SHALL BE A WINNING OF SIS BELLO PRIVINGE OF SHOULD SHAPE CAPACITY. THE TOP ALL FOOTINGS SHALL BE A WINNING OF SIS BELLO PRIVINGE OF SHOULD SHAPE CAPACITY. PROVIDE CYLL TOOKOU'S 6 4 0 0 26 LINES HIRLY SARE NOT FROVIDED SINL SHOULD SHAPE AND THE SHAPE CAPACITY. PROVIDE SID WAS MACKER BOTH THE PRIVING OF SHAPE AND THE STATE OF THE DOWN TO POOTING. PROVIDE SID WAS AND THE PROVIDED CHILD PREPARED OF THE WAS AND THE SHAPE OF
USED TO DETERMINE AN ESTIMATED BUILDABLE AREA AND AT NO TIME IS SCHILL ARCHITECTURE, LLC RESPONSIBLE FOR THE LOCATION OF THE HOUSE ON THE LOT, ANY UTILITIES, BUILDING ELEVATIONS OR GRADING INFORMATION. SCHILL ARCHITECTURE, LLC IS NOT A MECHANICAL ENGINEER AND DOES NOT ALWAYS CONSULT WITH A MECHANICAL ENGINEER FOR MECHANICAL		
SCHEMATICS DRAWN BY SCHILL ARCHITECTURE, LLC ARE "SUGGESTED" AND FOR USE ONLY TO RUPILL THE BUILDING DEPARTMENTS FILE ASCRIBEMENTS, IT MULL BET THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO HAVE ALL ACTUAL MECHANICAL SYSTEMS DESIGNED AND INSTALLED BY LICENSED MECHANICAL SPECIALISTS, SCHILL ARCHITECTURE, ILC ASSUMENTS NO RESPONSIBILITY FOR ANY INCENDALAL INSTALLATIONS AND/OR ISSUES RELATED TO THEIR INSTALLATION. ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS YERHLACIAL INSTALLATIONS AND/OR ISSUES RELATED TO THEIR INSTALLATION. ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS YERHLACIAL INSTALLATIONS AND/OR ISSUES RELATED TO THEIR INSTALLATION. ALL INFORMS SHALL BE LAD ASSUED OVER NUTURE CANAGES SHALL HAVE CROSS YER SHALL BY ENTRANCE OF SNOW AND RAIN. ALL WINDOWS SHALL BE ILLASHED AND SEALED OVER NULLING FLANCES WITH WINDOW ILLASHING TAPE. G.C. SHALL PROVIDE CAULK AND SEAL PACKAGE OF ALL GAPS BETWEEN FRAME WALLS. G.C. AND / OR OWNERS SHALL NOTIFY THE ARCHITECT OF ANY FIELD CHANGES MADE TO THE PLANS OR BUILDING DURING CONSTRUCTION. FIELD CHANGES HADE TO THE BUILDING WITHOUT THE CONSULTATION AND/OR APPROVAL OF THE ARCHITECT WILL BE THE SOLE RESPONSIBILITY OF G.C. AND BUILDING DURING CONSTRUCTION. FIELD CHANGES WADE TO THE ARCHITECT WILL BE THE SOLE RESPONSIBILITY OF G.C. AND BUILDING DURING CONSTRUCTION. FIELD CHANGES OR ALTERATI NOTE: ANY CHANGES TO THE PLAN, STRUCTURAL COMPONENTS OR SPECIFICATIONS WITHOUT THE WITHOUT THE WRITTEN AUTHORIZATION OF SCHILL ARCHITECTURE SHALL BE THE SOLE RESPONSIBILITY OF THE INDIVIDUAL OR ENTITY MAKING THE CHANGE.	ELECTRICAL CONTRACTOR (EC) SHALL CONFIRM THE CAPACITY IF EXISTING SERVICE TO ADECIDALITELY SUPPORT THE NEW LOADS. IF NECESSARY, UPGRADE SERVICE EC SHALL BOND TOGETHER ALL ELECTRODES TO FORM A GROWING SYSTEM. CONDUCTOR SIZES SHOULD BE AS SHOWN IN NEC 250.66 ELECTRICAL GROWINGING CAN INCLIDE FOLLOWING: (I) METAL LUDBERGOUND WATER LINE IN CONTACT WITH EARTH FOR A MIN. IO 'O': (2) CONCRETE ELECTRODES; (3) ROD, PIPE AND PLATE ELECTRODES IN ACCORDANCE WITH NEC 250.53. ALL GENERAL LIGHTING AND RECEPTACLE OUTLETS BRANCH CIRCUITS SHALL BE IBAND OVERLOAD PROTECTED CIRCUITS INSTALLED WITH 1492 COPPER CONDUCTORS, ALL GENERAL INSTRUPTER DEVICE NEC 210.12. GENERAL BRANCH CIRCUITS 10 BEDROOMS SHALL BE PROTECTED WITH ARC-FAULT CIRCUIT INTERRIPTER DEVICE NEC 210.12. GENERAL RECEPTACLES BE SPACED NO MORE THAN 12'-0" APART OR 6'-0" FROM AND NISIDE CORNER SEE NEC 210.52. A RECEPTACLE MIST BE INSTALLED ON EACH WALL SPACE GREATER THAN 2'-0" SEE NEC 210.53. REFRIGERATORS, MICROWAYE OVENS, DISHWASHERS AND ANY OTHER MAJOR APPLIANCE SRANGES AND ELOTHES DRYER SHALL HAVE A 240V OUTLET WITH APPLIANCE REQU DESRIVICE. OVEN, COOK TOPS, RANGES AND ELOTHES DRYER SHALL HAVE A 240V OUTLET WITH AMPERAGE AS REGID FOR APPLIANCE. KITCHEN SMALL APPLIANCE CIRCUITS TO BE A MIN. OF TWO (2) 20 amp 120V CIRCUITS. CIRCUITS WITHIN 6H OF A SINK OR WATER SOURCES SHALL BE PROTECTED BY A GROWNO-FAULT CIRCUIT INTERRIPTER (GROW DE 210.5.) ALL EXTERIOR OUTLETS, GARAGE OUTLET, AND ANY OUTLET IN A WET OR EXTERIOR LOCATION SHALL BE PROTECTED BY A GRICL BRANCH CIRCUIT SEE NEC 210.8.	ALL STRUCTURAL STEEL FOR BEAMS AND PLATES SHALL COMPLY WITH A.S.T.M. SPECIFICATION A-35. ALL STRUCTURAL STEEL FOR COLUMNS SHALL COMPLY WITH A 3-3. ALL STRUCTURAL STEEL FOR COLUMNS SHALL COMPLY WITH A 3-3. ALL STRUCTURAL STEEL FOR COLUMNS SHALL COMPLY WITH A 3-3. ALL STRUCTURAL STEEL FOR COLUMNS ALL REINFORCING STEEL FOR CONCRETE SHALL COMPLY WITH A.S.T.M. SPECIFICATION A-6/15 GRADE 60. PROVIDE 5/8" REGULAR GYPSUM BOARD THROUGHOUT ENTIRE STRUCTURE EXCEPT AS NOTED. PROVIDE 5/8" TYPE "X" FIRE CODE GYPSUM BOARD THROUGHOUT GARAGE AND WALLS COMMON TO HOUSE IN GARAGE ATTIC. PROVIDE 5/8" G.B. ON ALL ATTIC ACCESS PANELS. PROVIDE JURGECK OR EQUAL ON ALL TILED AREAS OF TUB DECKS AND SHOWER STALLS. ALL CEILINGS AND WALLS SHALL HAVE A SMOOTH FINISH. (LEVEL 5) FIREPLACE NOTES ALL CHIMMEYS AND FIREPLACES SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF CHAPTER 10 AND INSTALLED PER THE ORDINANCES SET FORTH THE BY THE LOCAL GOVERNING BUILDING AND ZONING DEPARTMENTS, IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THE ROUGH OPENING DIMENSIONS FOR ALL PREFAB FIREPLACES WITH THE ACTUAL UNIT TO BE INSTALLED, PRIOR TO FRAMING

INDEX TO DRAWINGS DRAWING DESCRIPTION SITE DEVELOPMENT PLAN MAIN FLOOR PLAN UPPER FLOOR PLAN THIRD FLOOR PLAN FOUNDATION PLAN ROOF PLAN EXTERIOR ELEVATIONS EXTERIOR ELEVATIONS/WALL SECTION ATTIC (WALK UP STORAGE

ELECTRICAL SYMBOL LEGEND

SYMBOL DESCRIPTION

SWITCH- SINGLE POLE SWITCH- THREE WAY SWITCH- FOUR WAY SWITCH- DIMMER

DUPLEX RECEPTACLE

QUAD RECEPTACLE

CABLE OUTLET

DATA OUTLET

CEILING FAN DISCONNECT

EXHAUST FAN

SERVICE METER

SERVICE PANEL

TELEPHONE OUTLET

THERMOSTAT

WALL MOUNTED FIXTURE

PANEL

/O/ MOTOR

A-6

ENLARGED

6" RECESSED LIGHT 4" RECESSED LIGHT

DUPLEX RECEPTACLE- GFCI

SUTURE IN ATTIC SPACE

CEILING MOUNTED FIXTURE

EXHAUST FAN /LIGHT COMBO

PENDANT MOUNTED FIXTURE

SMOKE DETECTOR- HARD WIRED

NOTES: ELECTRICAL LAYOUT SHOWN IS SCHEMATIC. A WALK

SHEET NUMBER

DETAIL NUMBER

PLAN NUMBER

ROOM NUMBER

SHEET NUMBER ELEVATION VIEW

CENTERLINE

NORTH

SYMBOL

PARTITION

AND DESIGNATION

AREA SHEET NUMBER

THROUGH SHALL BE SCHEDULED WITH THE OWNER AND ARCHITECT.

SYMBOL LEGEND

DUPLEX RECEPTACLE - FLOOR MOUNTED

DUPLEX RECEPTACLE- WEATHERPROOF

DUPLEX RECEPTACLE- 220 YOLT

CARBON MONOXIDE DETECTOR

Schill

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LIYE LOAD DEAD LOAD

15 P.S.F.

15 P.S.F. 15 P.S.F.

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SCHILL ARCHITECTURE, LLC
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5-01-01-01-01

1650 CROSSINGS PARKWAY SUITE E WESTLAKE, OHIO 44145

)E5IGN	LOADS	

30 P.S.F.

	DECKS	40 7.3.7.	יז.פ.ד פו	יזיפים פפ
	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 YEHICLE 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	2,000 P.S.F.	N.A.	2,000 P.S.F.

I. ASSUMED SOIL BEARING CAPACITY IS 2,000 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.

5 MATERIAL SUMMARY MATERIAL 8' O" CONCRETE- 8" 8' O" MAIN FLOOR WOOD- 2"x4" 8' O" UPPER FLOOR WOOD- 2"x4"

S AREA SUMMARY S 0,000 SQ.FT. UNFINISHED BASEMENT FINISHED BASEMENT AREA 0,000 SQ.FT. MAIN FLOOR ADDITION 746 SQ.FT. UPPER FLOOR ADDITION 241 SQ.FT. THIRD FLOOR ADDITION 85 SQ.FT. TOTAL HEATED AREA 0,000 SQ.FT 0,000 SQ.FT GARAGE ARRIVAL PORCH 312 SQ.FT. FRIENDS/ FAMILY PORCH 0,000 SQ.FT REAR PORCH 0,000 SQ.FT TOTAL AREA UNDER ROOF 0,000 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 ROOM NAME ISSUED FOR PERMIT & BIDDING 22 JUNE 2023 -ROOM NUMBER ISSUED FOR PERMIT & BIDDING 27 JAN 2023

> REY, NO. DESCRIPTION DATE PROJECT: ADDITION & RENOVATION TO PRIVATE RESIDENCE

5 DEC 2022

22105 LAKE ROAD ROCKY RIVER, OHIO 44116 CUYAHOGA COUNTY PERMANENT PARCEL NUMBER: 302-06-008

TITLE SHEET

DOOR NUMBER

REVISION

NUMBER

REVISION

SYMBOL

GYP, BRD CEILING MATERIAL

10' 0" A.F.F.

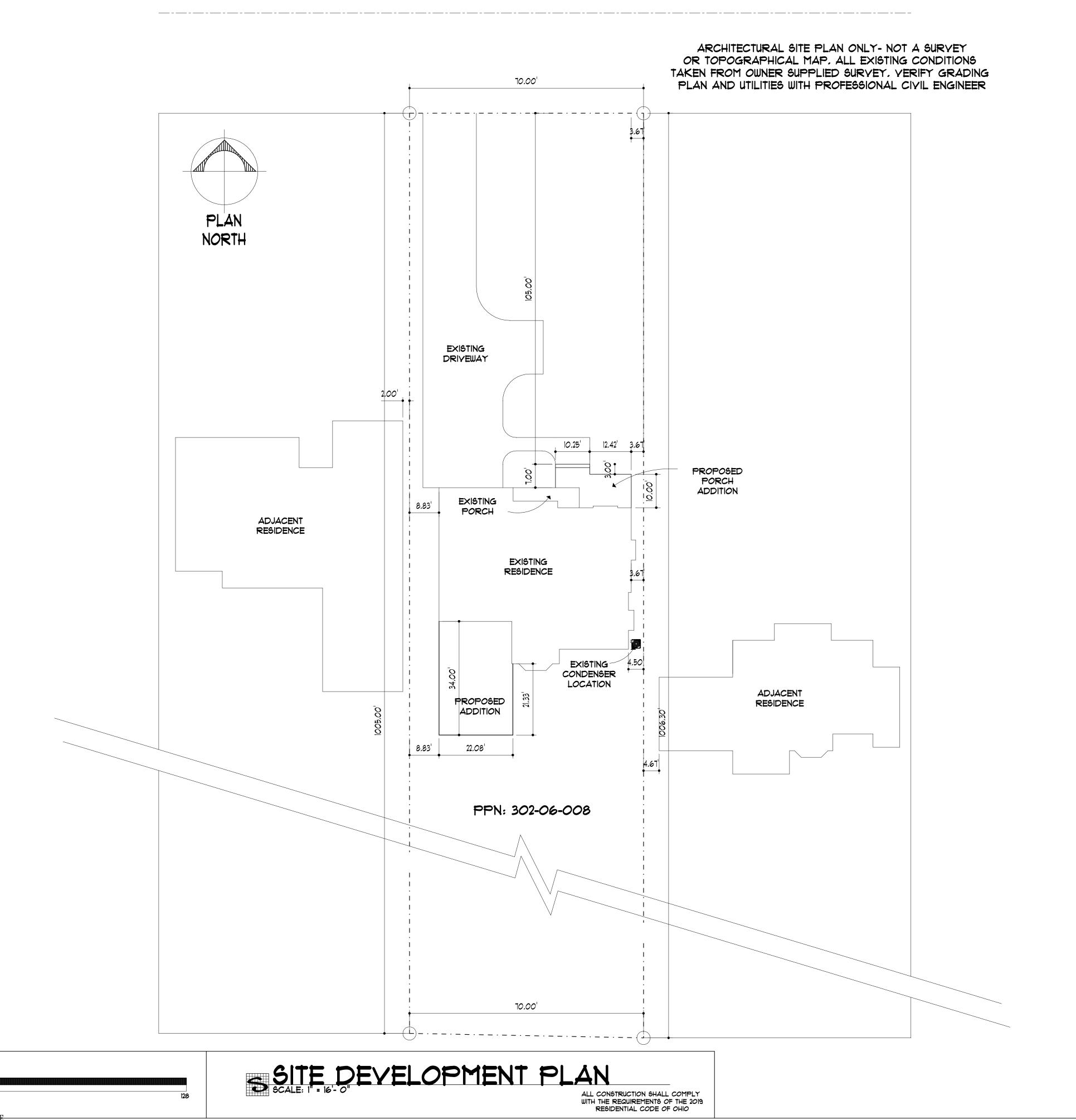
CEILING HEIGHT

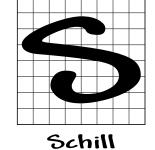
JOB NUMBER: AS NOTED 22 ENROH TE OF O2 DECEMBER 2022 CAD FILE NAME: * STEPHEN C:\DRAWING\$\CENTRALARCHIVE\ \$CHILL\RESIDENCE\\$LOO.CAD RE **SCHILL** RED AR

STEPHEN M. SCHILL, LICENSE * 8877 EXPIRATION DATE: 12/31/2023

DRAWING NUMBER

LAKE ROAD (60')





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WWW.SCHILLARCHITECTURE.COM

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

DESIGN LOADS

<i>2</i> 20 11	J. (
COMPONENT	LIYE 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.
DECK6	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	2,000 P.S.F.	N.A.	2,000 P.S.F.
	l	l .	i .

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2. NOTIFY ARCHITECT IF STONE OR TILE FLOORING IS TO BE USED.
2. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGLE.

S MA1	TERIAL SUMMA	RY S
SPACE	MATERIAL	HEIGHT
BASEMENT	CONCRETE- 8"	8' 0"
MAIN FLOOR	WOOD- 2"x4"	8'0"
UPPER FLOOR	WOOD- 2"x4"	8'0"

S AREA SUMM	ARY S
AREA	SIZE
UNFINISHED BASEMENT	0,000 SQ.FT.
FINISHED BASEMENT AREA	0,000 SQ.FT.
MAIN FLOOR ADDITION	746 SQ.FT.
UPPER FLOOR ADDITION	241 SQ.FT.
THIRD FLOOR ADDITION	85 SQ.FT.
TOTAL HEATED AREA	0,000 SQ.FT.
GARAGE	0,000 SQ.FT.
ARRIVAL PORCH	312 SQ.FT.
FRIENDS/ FAMILY PORCH	0,000 SQ.FT.
REAR PORCH	0,000 SQ.FT.
+A+11 10F1 INDED DAAF	

TOTAL AREA UNDER ROOF 0,000 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

REY, NO.	DESCRIPTION	DATE
<u> </u>	ISSUED FOR REVIEW	5 DEC 202
<u>^2</u>	ISSUED FOR PERMIT 4 BIDDING	27 JAN 202
<u>3</u>	ISSUED FOR PERMIT 4 BIDDING	22 JUNE 202
4	ISSUED FOR PERMIT 4 BIDDING	06 JULY 20
<u>/</u> 5		

PROJECT:

ADDITION & RENOVATION TO PRIVATE RESIDENCE

LOCATION: 22105 LAKE ROAD ROCKY RIVER, OHIO 44116 CUYAHOGA COUNTY PERMANENT PARCEL NUMBER: 302-06-008

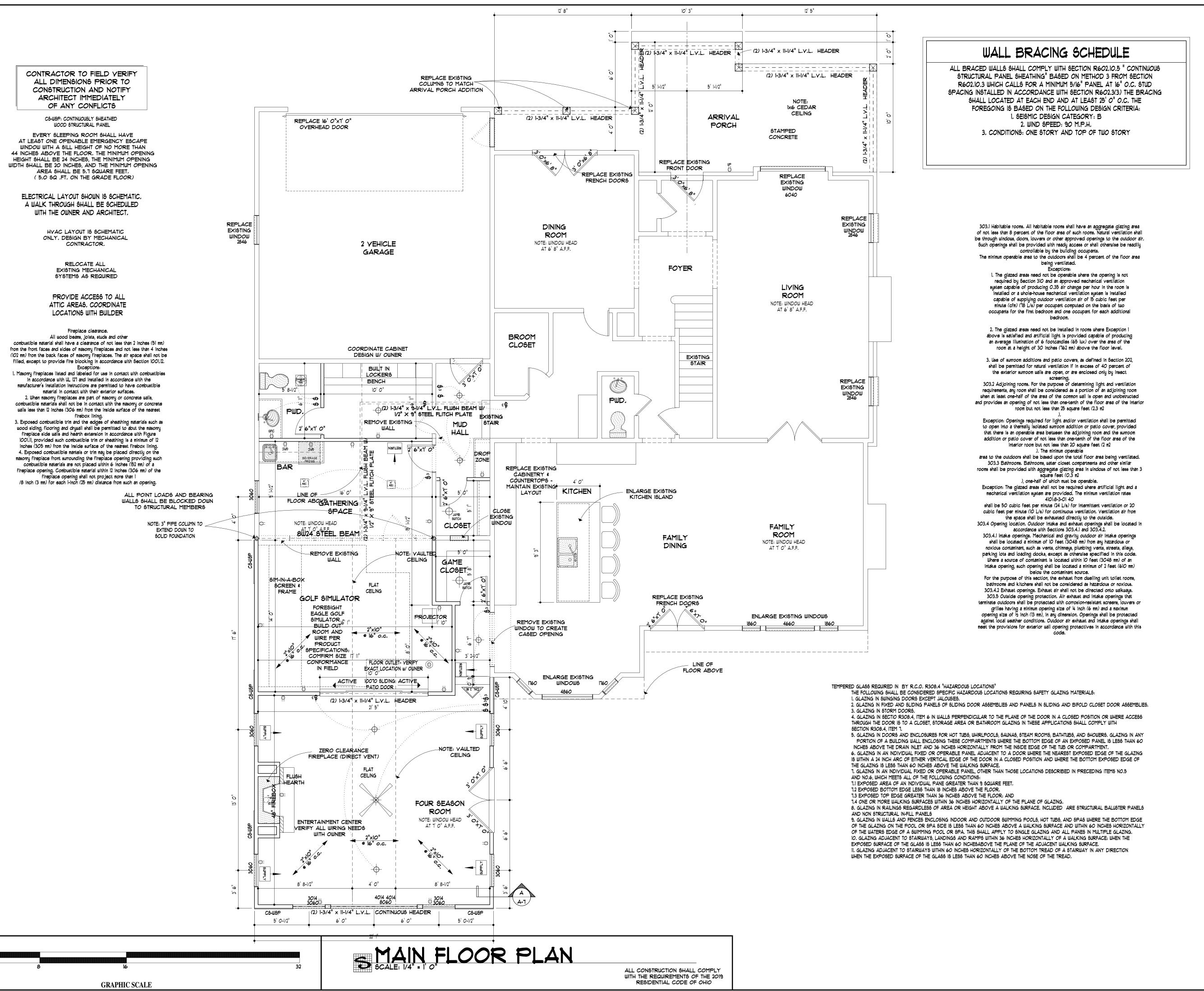
SITE DEVELOPMENT F	L/A
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JOB NUMBER: 22 ENROH

O2 DECEMBER 2022 CAD FILE NAME: C:\DRAWING\$\CENTRALARCHIVE\ \$CHILL\RE\$IDENCE\\$LOO.CAD

STEPHEN M. SCHILL, LICENSE * 8877 DRAWING NUMBER

EXPIRATION DATE: 12/31/2023



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OF SPACES & ELEMENTS OF DESIGN

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WWW.SCHILLARCHITECTURE.COM

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

DESIGN LOADS

COMPONENT	LIYE 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.
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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	2,000 P.S.F.	N.A.	2,000 P.S.F.

NOTES:

1. ASSUMED SOIL BEARING CAPACITY IS 2,000 P.S.F. A GEOTECHNICAL
ENGINEER SHALL BE RETAINED AND THE ARCHITECT SHALL BE
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2. NOTIFY ARCHITECT IF STONE OR TILE FLOORING IS TO BE USED.

2. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGL

MATERIAL SUMMARY SPACE MATERIAL HEIGHT BASEMENT CONCRETE- 8" 8' 0" MAIN FLOOR WOOD- 2"x4" 8' 0" UPPER FLOOR WOOD- 2"x4" 8' 0"

S AREA SUMM	ARY S
AREA	SIZE
UNFINISHED BASEMENT	0,000 SQ.FT.
FINISHED BASEMENT AREA	0,000 SQ.FT.
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AREA CALCULATIONS ARE MADE FROM THE OUTSIDE FACE OF

EXTERIOR WALLS, STAIRWELLS AND FIREPLACE AREAS ARE INCLUDED

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SUMMARIZED AS ADDITIONAL AREAS IN THIS TABLE

REV. NO.
PROJECT:

ADDITION & RENOVATION TO PRIVATE RESIDENCE

PERMANENT PARCEL NUMBER: 302-06-008

MAIN FLOOR PLAI

DESCRIPTION

ALE:	JOB NUMBER:
AS NOTED	22 ENROH
TE OF OX	DATE: O2 DECEMBER 20
* STEPHEN M.	CAD FILE NAME: C:\DRAWING\$\CENTRALARCHIVE\ \$CHILL\RESIDENCE\\$LOO.CAD

A-1

DATE

STEPHEN M. SCHILL, LICENSE * 88T1
EXPIRATION DATE: 12/31/2023

DRAWING NUMBER

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

> CS-WSP: CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL

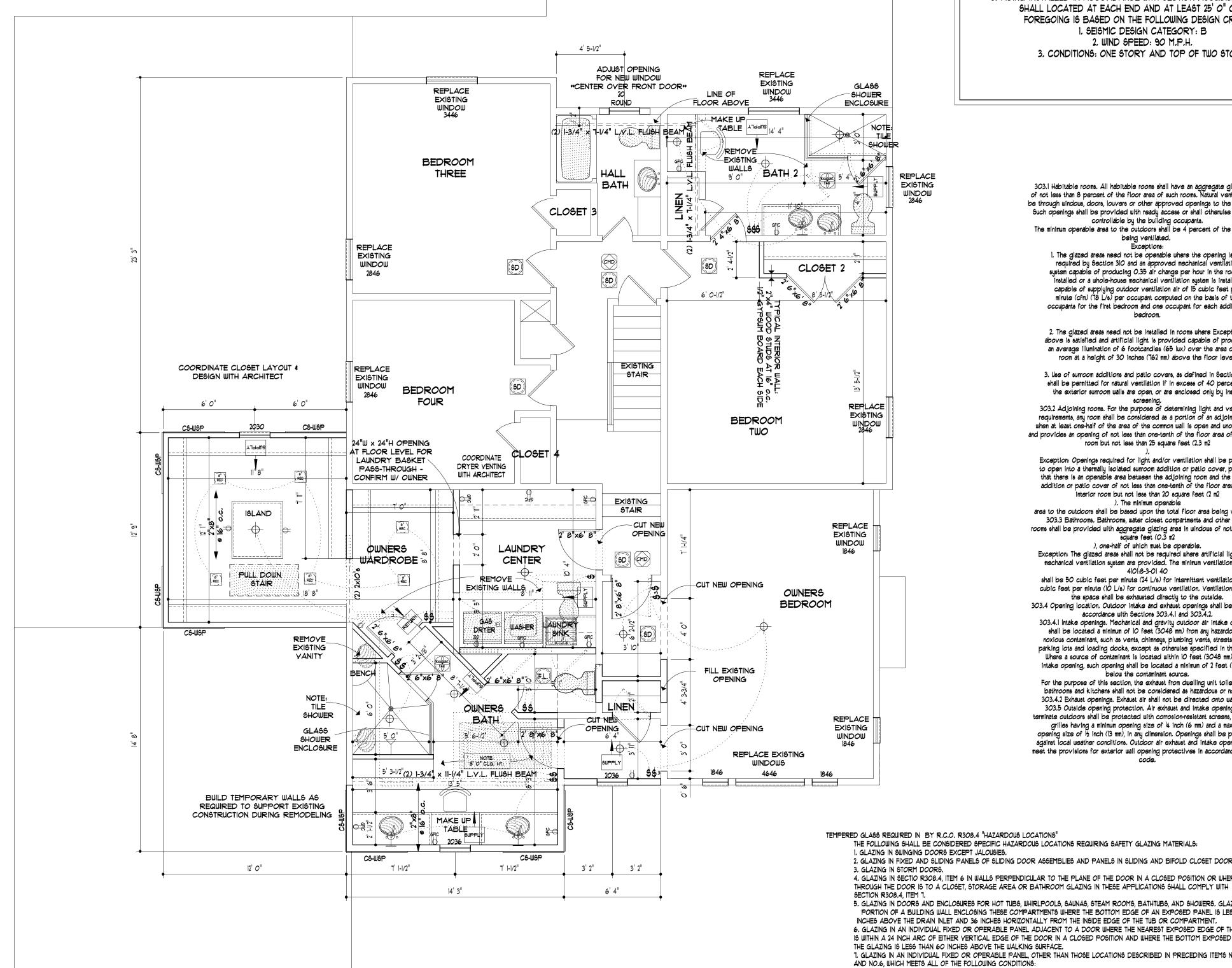
EYERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPENABLE EMERGENCY ESCAPE WINDOW WITH A SILL HEIGHT OF NO MORE THAN 44 INCHES ABOYE THE FLOOR, THE MINIMUM OPENING HEIGHT SHALL BE 24 INCHES, THE MINIMUM OPENING WIDTH SHALL BE 20 INCHES, AND THE MINIMUM OPENING AREA SHALL BE 5.7 SQUARE FEET. (5.0 SQ .FT. ON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

ELECTRICAL LAYOUT SHOWN IS SCHEMATIC. A WALK THROUGH SHALL BE SCHEDULED WITH THE OWNER AND ARCHITECT.

> HYAC LAYOUT IS SCHEMATIC ONLY, DESIGN BY MECHANICAL CONTRACTOR.

> > RELOCATE ALL EXISTING MECHANICAL SYSTEMS AS REQUIRED

PROVIDE ACCESS TO ALL ATTIC AREAS, COORDINATE LOCATIONS WITH BUILDER



WALL BRACING SCHEDULE

ALL BRACED WALLS SHALL COMPLY WITH SECTION R602.10.5 " CONTINUOUS STRUCTURAL PANEL SHEATHING" BASED ON METHOD 3 FROM SECTION R602.10.3 WHICH CALLS FOR A MINIMUM 5/16" PANEL AT 16" O.C. STUD SPACING INSTALLED IN ACCORDANCE WITH SECTION R602.3(3) THE BRACING SHALL LOCATED AT EACH END AND AT LEAST 25' O" O.C. THE FOREGOING IS BASED ON THE FOLLOWING DESIGN CRITERIA: 1. SEISMIC DESIGN CATEGORY: B 2. WIND SPEED: 90 M.P.H. 3. CONDITIONS: ONE STORY AND TOP OF TWO STORY

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 openable area to the outdoors shall be 4 percent of the floor area

being ventilated. 1. The glazed areas need not be openable where the opening is not

required by Section 310 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

2. The glazed areas 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.

3. Use of sunroom additions and patio covers, as defined in Section 202, 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

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 openable 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

). The minimum openable 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

), one-half of which must be openable. Exception: The glazed areas shall not be required where artificial light and a mechanical ventilation system are provided. The minimum ventilation rates 4101:8-3-01 40

shall be 50 cubic feet per minute (24 L/s) for intermittent ventilation or 20 cubic feet per minute (IO 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, streets, alleys, 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 rooms, 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 4 inch (6 mm) and a maximum opening size of ½ 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

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS REQUIRING SAFETY GLAZING MATERIALS:

2. GLAZING IN FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES AND PANELS IN SLIDING AND BIFOLD CLOSET DOOR ASSEMBLIES. 4. GLAZING IN SECTIO R308.4, ITEM 6 IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION OR WHERE ACCESS

5. 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 ABOYE THE DRAIN INLET AND 36 INCHES HORIZONTALLY FROM THE INSIDE EDGE OF THE TUB OR COMPARTMENT 6. 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 YERTICAL 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. 1. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN PRECEDING ITEMS NO.5

1.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET. 1.2 EXPOSED BOTTOM EDGE LESS THAN 18 INCHES ABOYE THE FLOOR. 1.3 EXPOSED TOP EDGE GREATER THAN 36 INCHES ABOYE THE FLOOR: AND

1.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF GLAZING. 8. GLAZING IN RAILINGS REGARDLESS OF AREA OR HEIGHT ABOYE A WALKING SURFACE, INCLUDED ARE STRUCTURAL BALUSTER PANELS

AND NON STRUCTURAL IN-FILL PANELS 9. 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 ABOYE 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 PANES IN MULTIPLE GLAZING. 10. 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 INCHESABOVE THE PLANE OF THE ADJACENT WALKING SURFACE.

II. 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 ABOYE THE NOSE OF THE TREAD.

Schill

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WWW.SCHILLARCHITECTURE.COM

DESIGN LOADS

COMPONENT	LIYE 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.
DECK5	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	2,000 P.S.F.	N.A.	2,000 P.S.F.

I. ASSUMED SOIL BEARING CAPACITY IS 2,000 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. 2. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGL

S MATERIAL SUMMARY MATERIAL HEIGHT 8' O" BASEMENT CONCRETE- 8 8' O" MAIN FLOOR WOOD- 2"x4" WOOD- 2"x4" 8' O" UPPER FLOOR

S AREA SUMMARY S 0,000 SQ.FT. UNFINISHED BASEMENT FINISHED BASEMENT AREA 0,000 SQ.FT 746 SQ.FT. MAIN FLOOR ADDITION UPPER FLOOR ADDITION 241 SQ.FT. THIRD FLOOR ADDITION 85 SQ.FT. TOTAL HEATED AREA 0,000 SQ.FT 0,000 SQ.FT GARAGE 312 SQ.FT. ARRIVAL PORCH FRIENDS/ FAMILY PORCH 0,000 SQ.FT 0,000 SQ.FT REAR PORCH TOTAL AREA UNDER ROOF 0,000 SQ.FT

SUMMARIZED AS ADDITIONAL AREAS IN THIS TABLE ISSUED FOR PERMIT & BIDDING 22 JUNE 2023 SSUED FOR PERMIT & BIDDING 27 JAN 2023 ISSUED FOR REVIEW 5 DEC 2022 REY, NO. DESCRIPTION DATE

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

PROJECT:

ADDITION & RENOYATION TO PRIVATE RESIDENCE

22105 LAKE ROAD ROCKY RIVER, OHIO 44116 CUYAHOGA COUNTY PERMANENT PARCEL NUMBER: 302-06-008

AS NOTED	22 ENROH
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SCHILL P	
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JOB NUMBER:

A-2 DRAWING NUMBER

STEPHEN M. SCHILL, LICENSE * 8811 EXPIRATION DATE: 12/31/2023

RED ARC



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

GRAPHIC SCALE

WALL BRACING SCHEDULE

ALL BRACED WALLS SHALL COMPLY WITH SECTION R602.10.5 " CONTINUOUS STRUCTURAL PANEL SHEATHING" BASED ON METHOD 3 FROM SECTION R602.10.3 WHICH CALLS FOR A MINIMUM 5/16" PANEL AT 16" O.C. STUD SPACING INSTALLED IN ACCORDANCE WITH SECTION R602.3(3) THE BRACING SHALL LOCATED AT EACH END AND AT LEAST 25' O" O.C. THE FOREGOING IS BASED ON THE FOLLOWING DESIGN CRITERIA: 1. SEISMIC DESIGN CATEGORY: B 2. WIND SPEED: 90 M.P.H.

3. CONDITIONS: ONE STORY AND TOP OF TWO STORY

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

controllable by the building occupants. The minimum openable area to the outdoors shall be 4 percent of the floor area being ventilated.

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

Exceptions: 1. The glazed areas need not be openable where the opening is not required by Section 310 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) (78 L/s) per occupant computed on the basis of two occupants for the first bedroom and one occupant for each additional

2. The glazed areas 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.

3. Use of sunroom additions and patio covers, as defined in Section 202, 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

acreening.

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 openable 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

). The minimum openable 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

), one-half of which must be openable. Exception: The glazed areas shall not be required where artificial light and a mechanical ventilation system are provided. The minimum ventilation rates

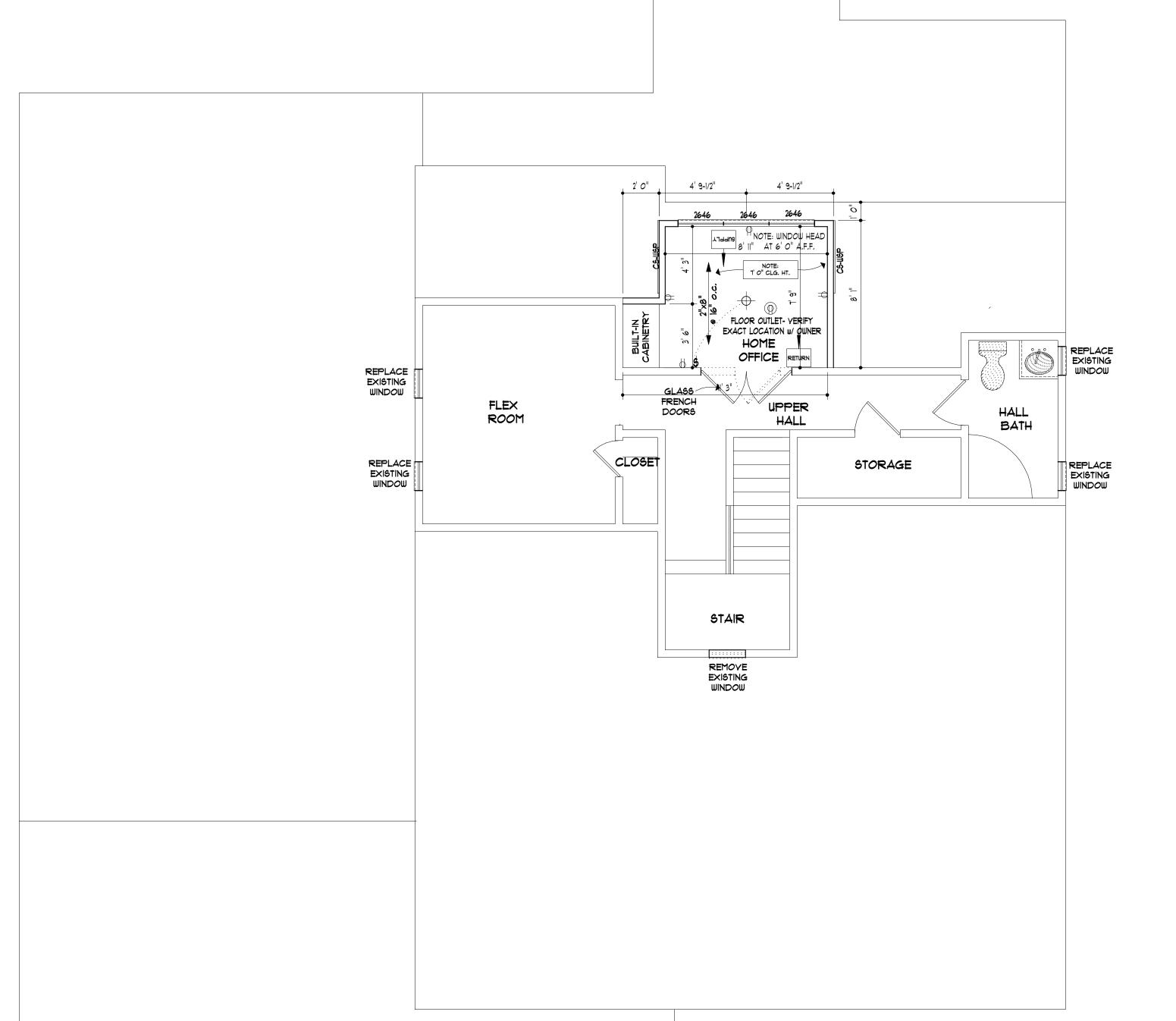
4101:8-3-01 40 shall be 50 cubic feet per minute (24 L/s) for intermittent ventilation or 20 cubic feet per minute (10 L/s) for continuous ventilation. Yentilation air from

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

the space shall be exhausted directly to the outside.

noxious contaminant, such as vents, chimneys, plumbing vents, streets, alleys, 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 rooms, 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 ½ 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



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

ELECTRICAL LAYOUT SHOWN IS SCHEMATIC. A WALK THROUGH SHALL BE SCHEDULED WITH THE OWNER AND ARCHITECT.

> HYAC LAYOUT IS SCHEMATIC ONLY, DESIGN BY MECHANICAL CONTRACTOR.

> > RELOCATE ALL EXISTING MECHANICAL SYSTEMS AS REQUIRED

PROVIDE ACCESS TO ALL ATTIC AREAS, COORDINATE LOCATIONS WITH BUILDER CS-WSP: CONTINUOUSLY SHEATHED

WOOD STRUCTURAL PANEL

TEMPERED GLASS REQUIRED IN BY R.C.O. R308.4 "HAZARDOUS LOCATIONS" THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS REQUIRING SAFETY GLAZING MATERIALS:

I. GLAZING IN SWINGING DOORS EXCEPT JALOUSIES. 2. GLAZING IN FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES AND PANELS IN SLIDING AND BIFOLD CLOSET DOOR ASSEMBLIES. 3. GLAZING IN STORM DOORS.

4. GLAZING IN SECTIO 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, 5. 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

6. 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 YERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOYE THE WALKING SURFACE.

1. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN PRECEDING ITEMS NO.5

INCHES ABOYE THE DRAIN INLET AND 36 INCHES HORIZONTALLY FROM THE INSIDE EDGE OF THE TUB OR COMPARTMENT.

AND NO.6, WHICH MEETS ALL OF THE FOLLOWING CONDITIONS: 1.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET.

1.2 EXPOSED BOTTOM EDGE LESS THAN 18 INCHES ABOYE THE FLOOR.

1.3 EXPOSED TOP EDGE GREATER THAN 36 INCHES ABOYE THE FLOOR: AND 1.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF GLAZING.

8. GLAZING IN RAILINGS REGARDLESS OF AREA OR HEIGHT ABOVE A WALKING SURFACE. INCLUDED ARE STRUCTURAL BALUSTER PANELS AND NON STRUCTURAL IN-FILL PANELS

9. 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 ABOYE 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 PANES IN MULTIPLE GLAZING. 10. 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 INCHESABOYE THE PLANE OF THE ADJACENT WALKING SURFACE. II. 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.

Schill

NOT LIMITED TO, THE OVERALL FORM, AS WELL AS THE ARRANGEMENT & COMPOSITION OF SPACES & ELEMENTS OF DESIGN

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

DESIGN LOADS

COMPONENT	LIYE 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.
DECK5	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	2,000 P.S.F.	N.A.	2,000 P.S.F.

I. ASSUMED SOIL BEARING CAPACITY IS 2,000 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. 2. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGL

5 MATERIAL SUMMARY MATERIAL HEIGHT 8' O" CONCRETE- 8 8' O" WOOD- 2"x4" MAIN FLOOR 8'0" WOOD- 2"x4" UPPER FLOOR

S AREA SUMMARY S	
AREA	SIZE
UNFINISHED BASEMENT	0,000 SQ.FT.
FINISHED BASEMENT AREA	0,000 SQ.FT.
MAIN FLOOR ADDITION	746 SQ.FT.
UPPER FLOOR ADDITION	241 SQ.FT.
THIRD FLOOR ADDITION	85 SQ.FT.
TOTAL HEATED AREA	0,000 SQ.FT.
GARAGE	0,000 SQ.FT.
ARRIVAL PORCH	312 SQ.FT.
FRIENDS/ FAMILY PORCH	0,000 SQ.FT.
REAR PORCH	0,000 SQ.FT.

TOTAL AREA UNDER ROOF 0,000 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

<u>/</u> 5		
4		
<u>3</u>	ISSUED FOR PERMIT & BIDDING	22 JUNE 2023
<u>/2</u>	ISSUED FOR PERMIT & BIDDING	27 JAN 2023
<u> </u>	ISSUED FOR REVIEW	23 JAN 2023
REY, NO.	DESCRIPTION	DATE

PROJECT:

ADDITION & RENOVATION TO PRIVATE RESIDENCE

22105 LAKE ROAD ROCKY RIVER, OHIO 44116 CUYAHOGA COUNTY PERMANENT PARCEL NUMBER: 302-06-008

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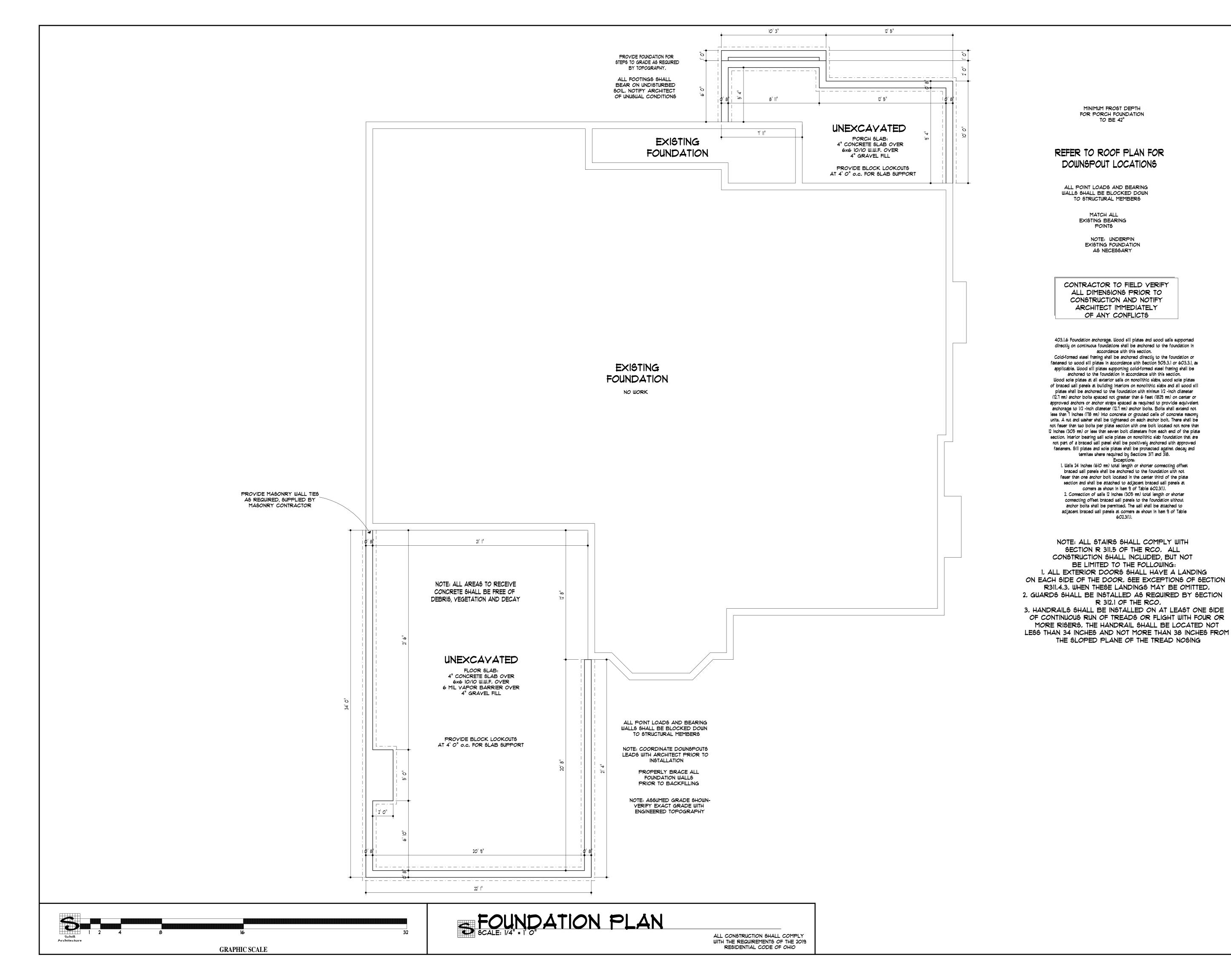
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STEPHEN M. SCHILL, LICENSE * 8811 DRAWING NUMBER EXPIRATION DATE: 12/31/2023

THIRD FLOOR PLAN

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

GRAPHIC SCALE





MINIMUM FROST DEPTH

FOR PORCH FOUNDATION TO BE 42"

MATCH ALL EXISTING BEARING

> NOTE: UNDERPIN EXISTING FOUNDATION AS NECESSARY

OF ANY CONFLICTS

accordance with this section.

termites where required by Sections 317 and 318.

corners as shown in Item 9 of Table 602.3(1).

R 312.1 OF THE RCO.

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

DESIGN LOADS

COMPONENT	LIYE 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.
DECK6	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	2,000 P.S.F.	N.A.	2,000 P.S.F.

I. ASSUMED SOIL BEARING CAPACITY IS 2,000 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. 2. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGLE

5 MATERIAL SUMMARY MATERIAL HEIGHT 8' O" BASEMENT CONCRETE- 8 8' O" WOOD- 2"x4" MAIN FLOOR WOOD- 2"x4" 8' O" UPPER FLOOR

S AREA SUMM,	ARY S
AREA	SIZE
UNFINISHED BASEMENT	0,000 SQ.FT.
FINISHED BASEMENT AREA	0,000 SQ.FT.
MAIN FLOOR ADDITION	746 SQ.FT.
UPPER FLOOR ADDITION	241 SQ.FT.
THIRD FLOOR ADDITION	85 SQ.FT.
TOTAL HEATED AREA	0,000 SQ.FT.
GARAGE	0,000 SQ.FT.
ARRIVAL PORCH	312 SQ.FT.
FRIENDS/ FAMILY PORCH	0,000 SQ.FT.
REAR PORCH	0,000 SQ.FT.

TOTAL AREA UNDER ROOF 0,000 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

REY, NO,	DESCRIPTION	DATE
<u> </u>	ISSUED FOR REVIEW	5 DEC 2022
<u>/2</u>	ISSUED FOR PERMIT & BIDDING	27 JAN 2023
<u>3</u>	ISSUED FOR PERMIT & BIDDING	22 JUNE 2023
4		
<u>/</u> 5		

PROJECT:

ADDITION & RENOVATION TO PRIVATE RESIDENCE

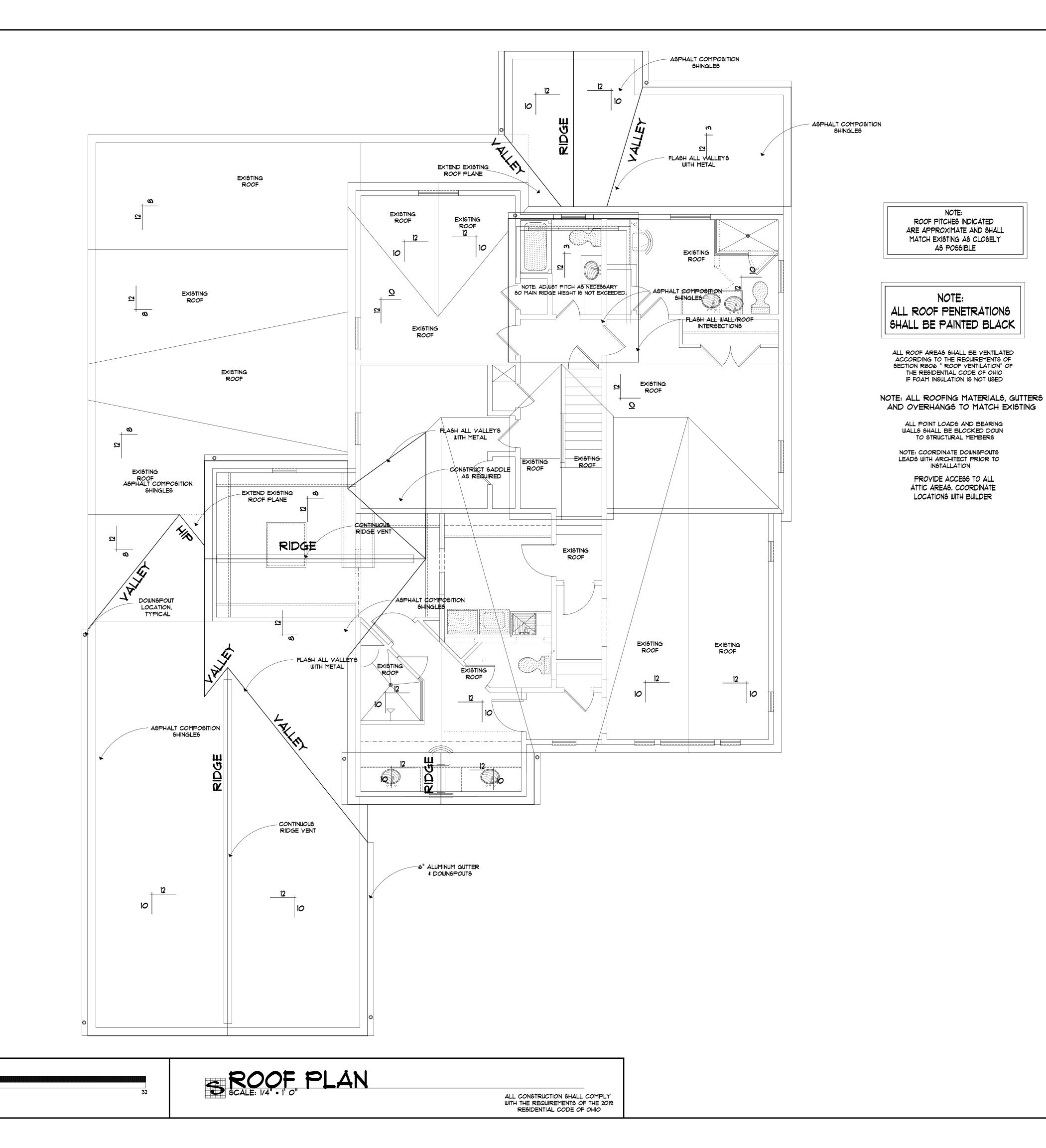
22105 LAKE ROAD ROCKY RIVER, OHIO 44116 CUYAHOGA COUNTY PERMANENT PARCEL NUMBER: 302-06-008

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STEPHEN M. SCHILL, LICENSE * 8811 DRAWING NUMBER EXPIRATION DATE: 12/31/2023



GRAPHIC SCALE



Schill

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TELEPHONE: 440.808.3483
FACSIMILE: 440.808.3485

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

WWW.SCHILLARCHITECTURE.COM

DESIGN LOADS

COMPONENT	LIYE 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.
DECK\$	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	2,000 P.S.F.	N.A.	2,000 P.S.F.

I. ASSUMED SOIL BEARING CAPACITY IS 2,000 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. 2. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGLE

MATERIAL SUMMARY				
SPACE	MATERIAL	HEIGHT		
BASEMENT	CONCRETE- 8"	8'0"		
MAIN FLOOR	WOOD- 2"x4"	8' O"		
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DESCRIPTION	DATE
	ISSUED FOR PERMIT & BIDDING ISSUED FOR REVIEW

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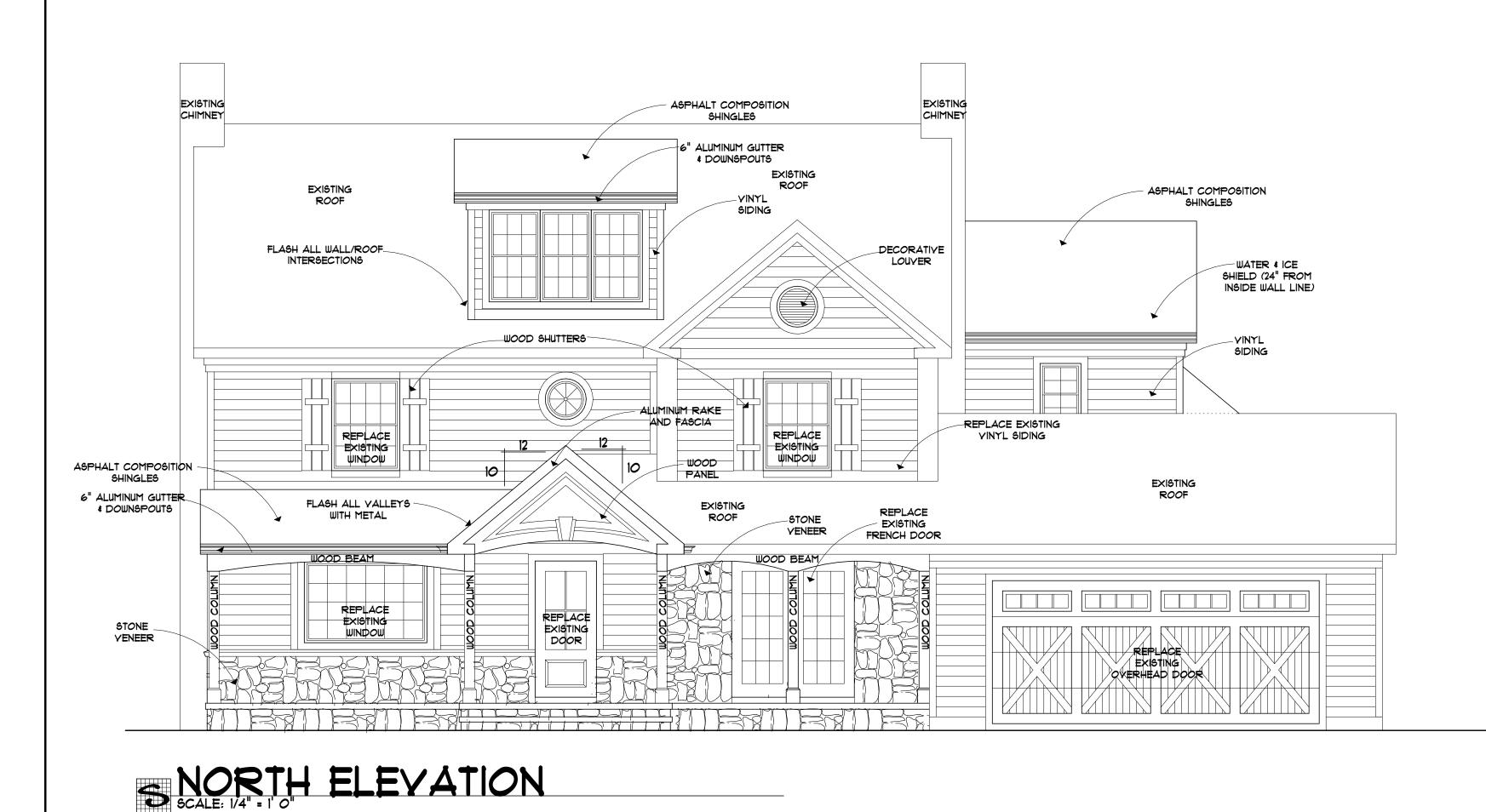
LOCATION: 22105 LAKE ROAD ROCKY RIVER, OHIO 44116 CUYAHOGA COUNTY PERMANENT PARCEL NUMBER: 302-06-008

ROOF PLAN	
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DRAWING NUMBER

STEPHEN M. SCHILL, LICENSE * 8811 EXPIRATION DATE: 12/31/2023



TEMPERED GLASS REQUIRED IN BY R.C.O. R308.4 "HAZARDOUS LOCATIONS"

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS REQUIRING SAFETY GLAZING MATERIALS:

1. GLAZING IN SWINGING DOORS EXCEPT JALOUSIES.

2. GLAZING IN FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES AND PANELS IN SLIDING AND BIFOLD CLOSET DOOR ASSEMBLIES.
3. GLAZING IN STORM DOORS.

4. GLAZING IN SECTIO 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.

5. 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 INCLUSE ABOVE THE DRAIN IN ET AND 36 INCLUSE HORIZONTALLY EDOM THE INSIDE EDGE OF THE THE OR COMPARTMENT.

INCHES ABOYE THE DRAIN INLET AND 36 INCHES HORIZONTALLY FROM THE INSIDE EDGE OF THE TUB OR COMPARTMENT.

6. 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 ABOYE THE WALKING SURFACE.

7. 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: 1.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET.

1.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEE 1.2 EXPOSED BOTTOM EDGE LESS THAN 18 INCHES ABOYE THE FLOOR.

1.3 EXPOSED TOP EDGE GREATER THAN 36 INCHES ABOYE THE FLOOR; AND 1.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF GLAZING.

8. GLAZING IN RAILINGS REGARDLESS OF AREA OR HEIGHT ABOYE A WALKING SURFACE. INCLUDED ARE STRUCTURAL BALUSTER PANELS AND NON STRUCTURAL IN-FILL PANELS 9. 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 PANES IN MULTIPLE GLAZING.

IO. 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 BOYE THE PLANE OF THE ADJACENT WALKING SURFACE.

II. GLAZING ADJACENT TO STAIRWAYS WITHIN 60 INCHES BORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION.

II. 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 ABOYE THE NOSE OF THE TREAD.

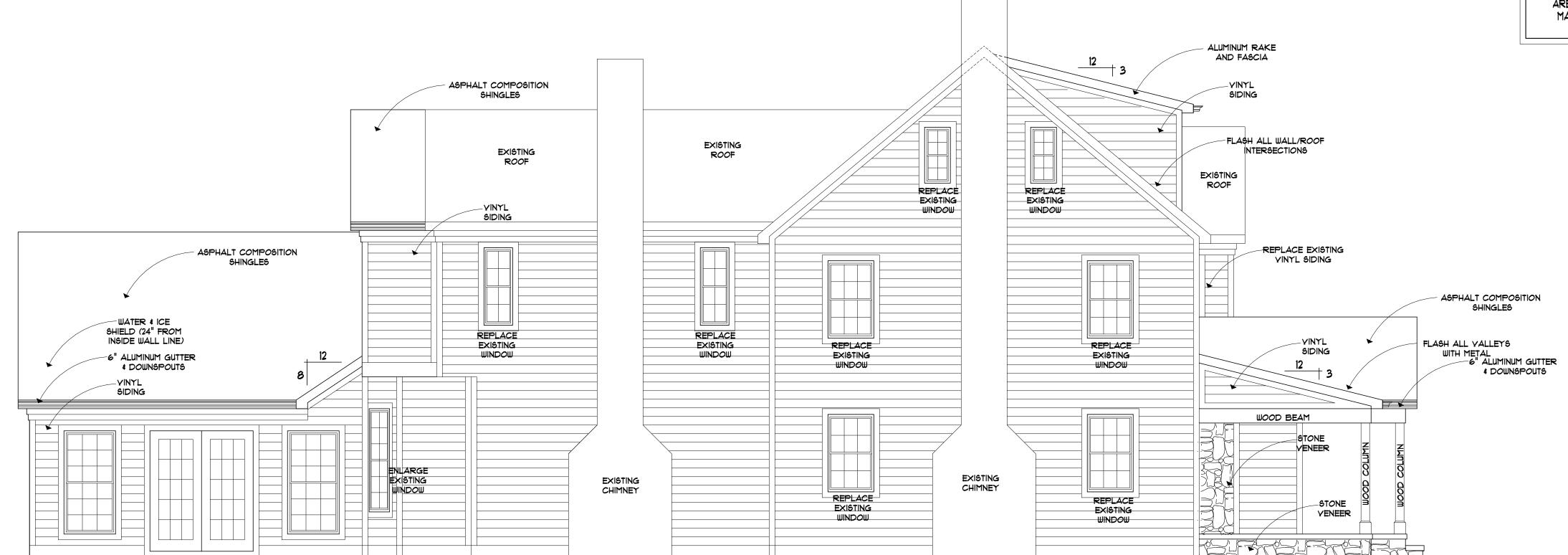
PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 36 INCHES IN HEIGHT. OPEN SIDES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 34 INCHES IN HEIGHT MEASURED VERTICALLY FROM THE NOSING 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.

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

EYERY 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 5.1 SQUARE FEET,
(5.0 SQ .FT. ON THE GRADE FLOOR)

NOTE:
ROOF PITCHES INDICATED
ARE APPROXIMATE AND SHALL
MATCH EXISTING AS CLOSELY
AS POSSIBLE

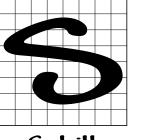


SCALE: 1/4" = 1' O" ELEVATION



GRAPHIC SCALE





Schill

WELL AS THE ARRANGEMENT & COMPOSITION
OF SPACES & ELEMENTS OF DESIGN

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WWW.SCHILLARCHITECTURE.COM

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

DESIGN LOADS

COMPONENT	LIYE 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	2,000 P.S.F.	N.A.	2,000 P.S.F.

NOTES:

1. ASSUMED SOIL BEARING CAPACITY IS 2,000 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.

2. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGLE

MATERIAL SUMMARY SPACE MATERIAL HEIGHT BASEMENT CONCRETE- 8" 8' 0" MAIN FLOOR WOOD- 2"x4" 8' 0" UPPER FLOOR WOOD- 2"x4" 8' 0"

S AREA SUMM	ARY S
AREA	SIZE
UNFINISHED BASEMENT	0,000 SQ.FT.
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TOTAL AREA UNDER ROOF

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4		
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REY. NO.	DESCRIPTION	DATE

PROJECT:

ADDITION & RENOVATION TO PRIVATE RESIDENCE

LOCATION: 22105 LAKE ROAD

ROCKY RIVER, OHIO 44116

CUYAHOGA COUNTY

PERMANENT PARCEL NUMBER: 302-06-008

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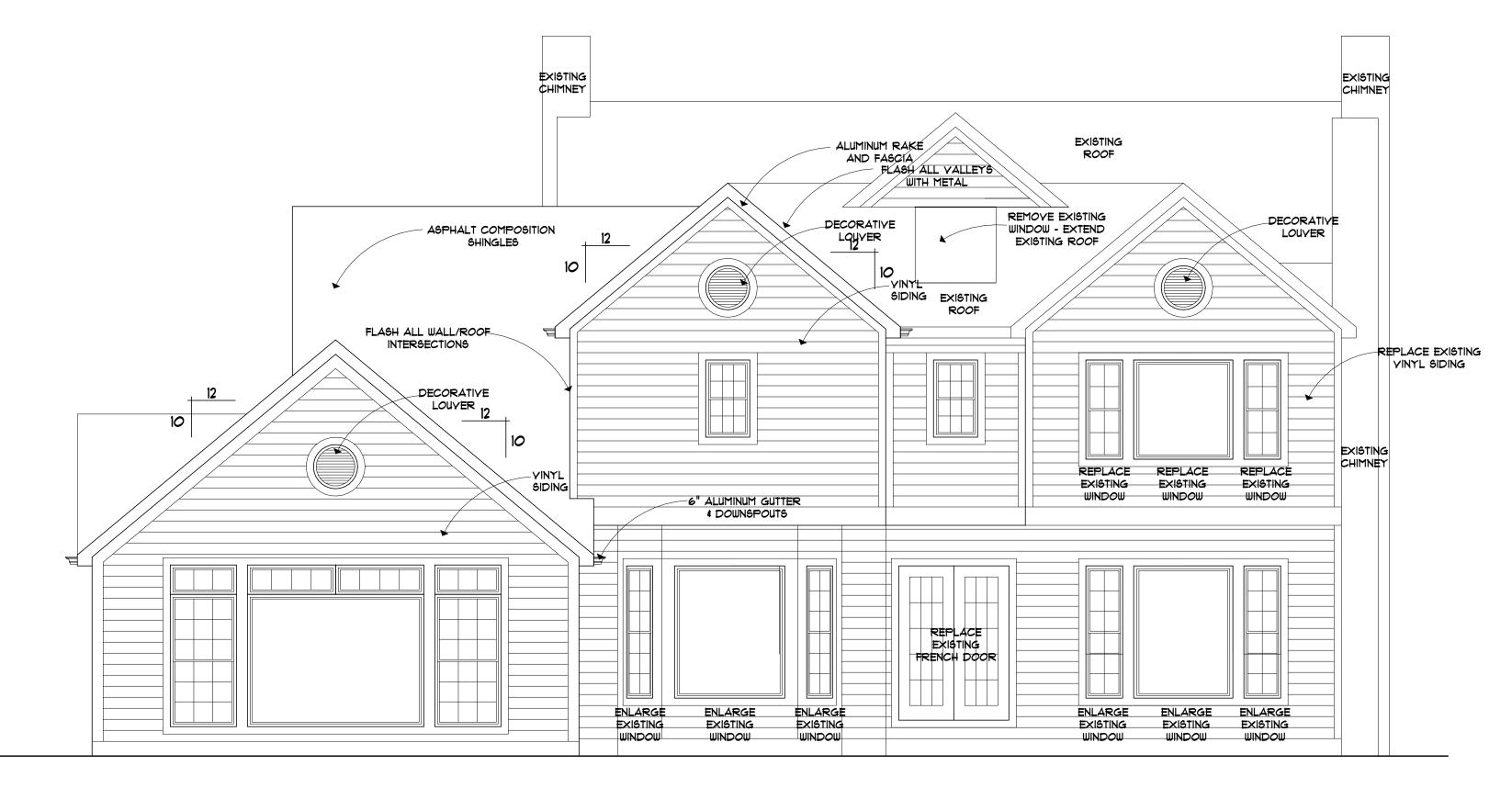
O2 DECEMBER 2022

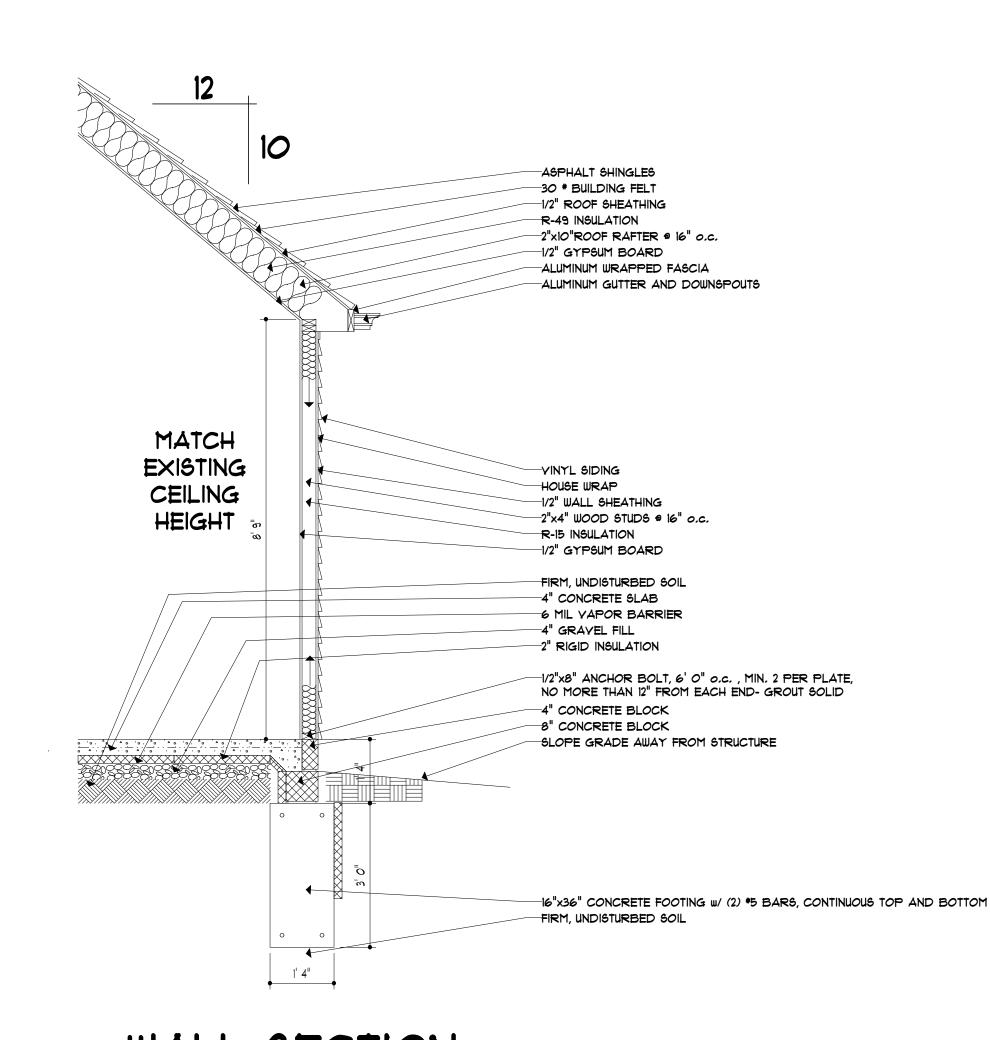
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SOUTH ELEVATION

SCALE: 1/4" = 1' O"

SIDING

PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 30 INCHES ABOYE 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 T HAN 30 INCHES ABOYE THE FLOOR OR GRADE BELOW SHALL HAYE GUARDS NOT LESS THAN 34 INCHES IN HEIGHT MEASURED YERTICALLY FROM THE NOSING 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.

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

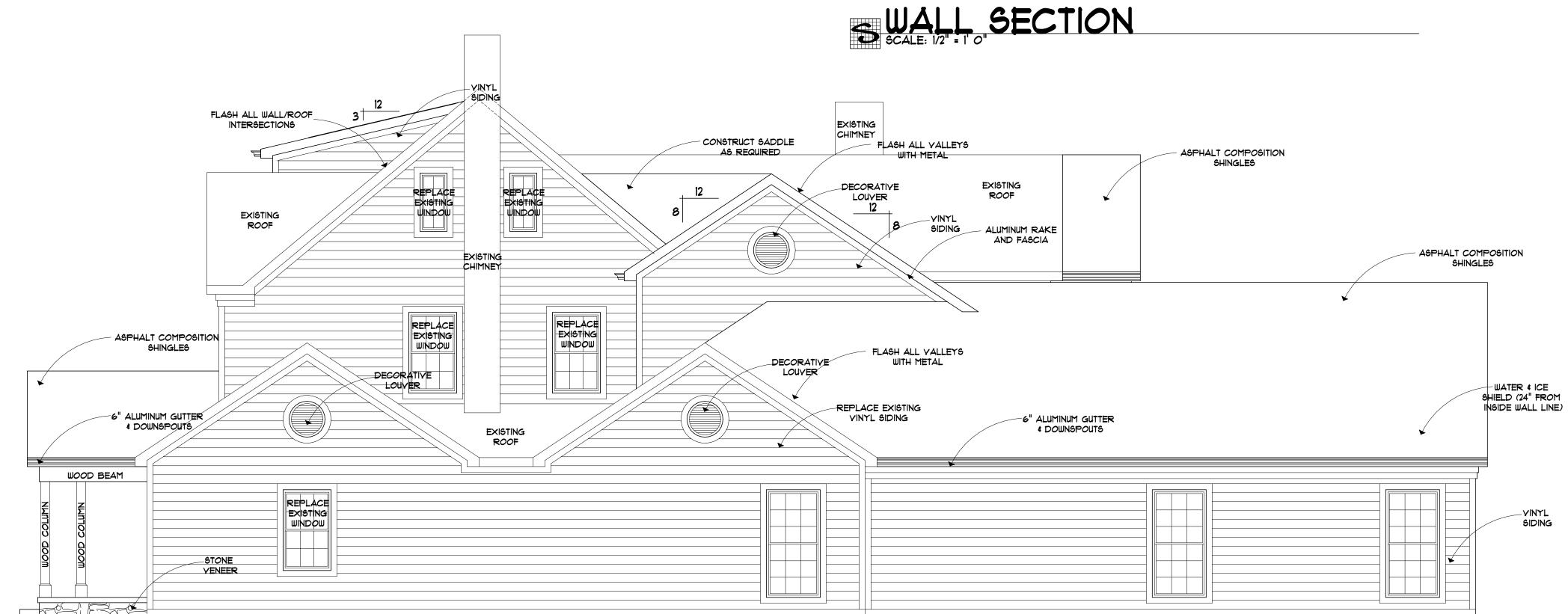
EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPENABLE EMERGENCY ESCAPE WINDOW WITH A SILL HEIGHT OF NO MORE THAN 44 INCHES ABOYE THE FLOOR, THE MINIMUM OPENING HEIGHT SHALL BE 24 INCHES, THE MINIMUM OPENING WIDTH SHALL BE 20 INCHES, AND THE MINIMUM OPENING AREA SHALL BE 5.1 SQUARE FEET. (5.0 SQ .FT. ON THE GRADE FLOOR)

ALL MATERIALS TO MATCH EXISTING

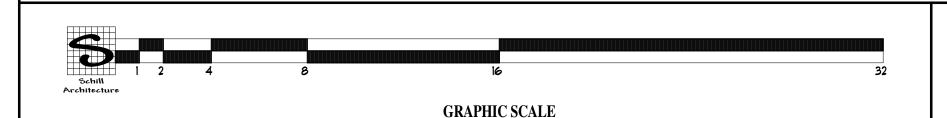
NOTE: ROOF PITCHES INDICATED ARE APPROXIMATE AND SHALL MATCH EXISTING AS CLOSELY AS POSSIBLE

THE TERMINATION OF THE CHIMNEY SHALL EXTEND AT LEAST TWO FEET HIGHER THAT ANY PORTION OF THE BUILDING WITHIN TEN FEET, BUT SHALL BE NOT LESS THAN THREE FEET ABOVE THE HIGHEST POINT WHERE THE CHIMNEY PASSES THROUGH THE ROOF. ALL CHIMNEYS SHALL BE CONSTRUCTED ACCORDING TO THE REQUIREMENTS OF SECTION RIOO3 " MASONRY CHIMNEYS" OF

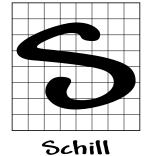
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WESTLAKE, OHIO 44145

1650 CROSSINGS PARKWAY SUITE E

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COMPONENT	LIYE LOAD	DEAD LOAD	TOTAL LOAD
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MISC. PLANS

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EXPIRATION DATE: 12/31/2023

TEM	FASTENING SCHED	ULE FOR STRUCTURAL	. MEMBE	R5			Δ	LIEKNATE A	ATTACHMENTS	2			
	DESCRIPTION OF BUILDING ELEMENT	NUMBER AND TYPE OF FASTENERS a,b,c	SPACING OF F	FASTENERS	WOOD		TURAL PANELS	•	•				IEATH
	Blocking between joists or rafters to top plate, toe nail	3-8d (2½ "x O.113 ")			NO		RIAL THICKNESS (INCI	.		1	SPACING	c OF F	
2	Ceiling joists to plate, toe nail	3-8d (2½ " x O.113 ")									EDGE (INC	HES)i	INTERMEDIATE (INCH
	Ceiling joists not attached to parallel rafter,	3-10d						Staple 15 ga. 19			4		8
	laps over partitions, face nail				up 1	O 1/2"		0.097 - 0.099	Nail 2 ¹ / ₄		3	- 4	6
4	Collar tie rafter, face nail or 14"x 20 gage ridge stra	3-10d (3" x 0 128 ")						Staple 16 ga. 134			3	6	6
	Rafter to plate, toe nail	2-16d (3½ "x 0135")						O.113 Nail 2			3		6
		4-16d (3½ "x 0135")			19/32	2 and 5/8		Staple 15 and 16	6 ga. 2		4		8
	Roof rafters to ridge, valley or hip rafters: toe nail	3-16d (3½ "x 0135")						0.097 - 0.099 Nail 2	214		4		8
	· · ·	WALL						Staple 14 ga. 2			4		8
	Duth we a sure should		24"o.c.		23/3	2 and 3/4		Staple 15 ga. 19	4		3		6
\neg	Built-up comer studs	10d(3 "x 0.128 ")		1 1.				0.097 - 0.099 Nail 2	23/4		4	8	8
-	Built-up header, two pieces with ½"spacer	16d (3½ "x 0.135 ")	16"o.c. along each	-				Staple 16 ga. 2			4	8	8
-	Continued header, two pieces	16d (3½ "x 0.135 ")	16"o.c. along each	ch edge				Staple 14 ga. 2			4	8	8
\neg	Continuous header to stud, toe nail	4-8d (2½ "x O.113 ")						0.113 Nail 21/4			3	4	6
-	Double studs, face nail	10d(3 "x 0.128 ")	24"o.c.					Staple 15 ga. 21/4			4		8
2	Double top plates, face nail	10d(3 "x 0.128 ")	24"o.c.					0.097 - 0.099 Nail 2	مارد مارد		<u>.</u> 4	,	<u>ა</u> გ
	Double top plates, minimum 24-inch offset of end joints, face nail in lapped area	8-16d (31/2 "x 0.135 ")	24"o.c.			FLOOR	UNDERLAYMEN		-	D-PART	ICLEBO	DARI) f
	Sole plate to joist or blocking, face nail	16d (3½ "x 0.135 ")	16"o.c.			MINITE ANTAL				/// // // // // // // // // // // // //	Am 1 - 11 -		. X A + !
,	Sole plate to joist or blocking at braced wall panels	3-16d (3½ "x 0.135 ")	16"o.c.		NO	MINAL MATE	RIAL THICKNESS (INCI	HES/DESCRIPTION	a,D OF FASTENERS	(INCHES)	SPACING	c OF F	ASTENE
\neg	Stud to sole plate, toe nail	3-8d (2½ "x O.113 ") or 2-16d (3½ "x O.135 ")									EDGE (INCH	HES)I	INTERMEDIATE S
\neg	Top or sole plate to stud, end nail	2-16d (3½ "x 0.135 ")			bi.	YWOOD							
	Top plates, laps at comers and intersections, face nail				, ,		1.5.4.	11/4 rina or screw shank	nail-minimum 12½ ga. (0.099 ".) shank diameter	3		6
	I" brace to each stud and plate, face nail	2-8d (2½ " × 0.113 ") 2 staples 1¾"				1/4 and	d 5/16		8, 3/16 crown width		2	1	<u>. </u>
\equiv	1"x 6"sheathing to each bearing, face nail	2-8d (2½ " × 0.113 ") 2 staples 1¾"				11/32, 3/8, 1	5/32, and 1/2	'	nail-minimum 12½ ga. (0.099 ".		<u>.</u> 6	<u> </u>	Ве
\equiv	1"x β"sheathing to each bearing, face nail	2-8d (2½ " × 0.113 ") 3 staples 1¾"				,			nail-minimum 12½ ga. (0.099 ". nail-minimum 12½ ga. (0.099 ".				2G Q
	Wider than 1"x 8" sheathing to each bearing, face nail	•				19/32, 5/8, 3	32/32 and 3/4	-	~	/ sharik diameter	<i>t</i>		<u>,</u>
	Wider than I'x 8 sheathing to each bearing, face hall	•			114			Staple 16 ga. 1	2		0	(8
$\overline{}$		FLOOR			HA	RDBOARD F		4			_		
\neg	Joist to sill or girder, toe nail	3-8d (2½ "x O.113 ")						-	ooved underlayment	: nail	6		6
\neg	1"x 6"subfloor or less to each joist, face nail	2-8d (2½ " × 0.113 ") 3 staples 134"			0.20	00		4d cement-coa			6		6
	2" subfloor to joist or girder, blind and face nail	2-16d (3½ "x 0.135 ")						Staple 18 ga., 1/8 long	g (plastic coated)		3	4	6
,	Rim joist to top plate, toe nail (roof applications also		6"o.c.		PA	RTICLEBOAF	RD						
1	2" planks (plank & beam - floor & roof)	2-16d (3½ "x 0.135 ")	at each bearing				4	4d ring-grooved under	rlayment nail		3	4	6
3	Built-up girders and beams, 2-inch lumber layers	lod (3"x 0.128 ")	Nail each layer as follottom and staggered	lows: 32"o.c. at top and d. Two nails at ends and			•	Staple 18 ga., 7/	8 long, 3/16" crown		3	6	6
			at each sphce.			2	/8	6d ring-grooved under	rlayment nail		6	1	10
	Ledger strip supporting joists or rafters	3-16d (31/2 "x 0.135 ")	At each joist or	rafter				Staple 16 ga.,1	1/8 long, 3/8 crown		3		6
0(OD STRUCTURAL PANELS, S	SUBFLOOR, ROOF AND INTERI	OR WALL S	HEATHING		ly.	5/8	6d ring-grooved under	rlayment nail		6	1	10
	AND PARTICLES	OARD WALL SHEATHING TO F	RAMING			72,	5/0	Staple 16 ga., 1	5/8 long, 3/8 crow	n	3	4	6
1		NUMBER AND TYPE OF FASTENERS b,c,e	1	FASTENERS				,	•				
1					For SI: 1 inch =		and may be T-head, modified	round head or round hea	d.				
			EDGE (INCHES)I	INTERMEDIATE SUPPORTS c,e (INCHES)	b. Staples shall	have a minimum of	crown width of 5/8-inch on di ed at not more than 6 inches	ameter except as noted.					
	3/8"-1/2"	6d common (2" x O.113") nail (subfloor wall) 8d common (2½" x O.131") nail (roof)f	6	12 g	spans are 48	inches or greate	er. Nails or staples shall be sp						
'		Sa comment (22 X C.DI) Hall (1881)				ite supports for fall be placed in	`loors. a grid pattern throughout the	body of the panel.					
	19/32"-1"	8d common nail (2½ " x 0.131 ")	6	12 g	e. For 5-plu pa	nels, intermediate	nails shall be spaced not mo conform to CPA/ANSI A 135.4	re than 12 inches on cente	er each way.				
	1 1/8"-1¼"	10d common (3" x 0.148 ")nail or 8d (2½ " X 0.131 ")deformed	nsét	12	r, Hai abbai a ui	ideriayilerit əriali	COMPONI LO CIPA/ANSI A 199.4	·					
	OT	HER WALL SHEATHING h	_			REQUIF	REMENTS FOR	wood stru	CTURAL PAN	IEL WAL	L SHEA	ATHIN	G
	½"etructural cellulosic fiberboard sheathing	以" galvanized roofing nail, 7/16" crown or	3	6			USED TO	RESIST WIN	D PRESSUR	ES abc			
3		1" crown staple 16 ga., 114"long								PANEL NAIL		MAVIMI	M WIND SPEE
		134" galvanized roofing nail, 1/16" crown or	3	6	MINIMUM NA	IL .	MINIMUM WOOD	MINIMUM NOMINAL	MAXIMUM WALL	ITANEL NAIL	. OF ACING		II WIND STEE
	25/32" structural cellulosic fiberboard sheathing	4 4 4 184			SIZE	PENETRATION	STRUCTURAL PANEL	PANEL THICKNESS	STUD SPACING	= ⊿	Erala	Wind	exposure cat
	25/32" structural cellulosic fiberboard sheathing	1" crown staple 16 ga., 11/2"long				(INCHES)	SPAN RATING	(inches)	(inches)	Edges (inches o.c.)	Field (inches o.c.)	В	С
	25/32" structural cellulosic fiberboard sheathing ½"gypsum sheathing d	" crown staple 16 ga., 1½" long 1½" galvanized roofing nail: staple galvanized, 1½" long:	1	7	1	1	24/0	3/8	16	6	12	110	90
	, , , , , , , , , , , , , , , , , , ,		1	7	6d Common	1.5	A-7134	210	i C				
	½"gypsum sheathing d	1½" galvanized roofing nail: staple galvanized, 1½" long: 1¼" screws, Type W or 6	1	7	6d Common (2.0 " x 0.113 ")	1.5			• •	6	12	130	110
	, , , , , , , , , , , , , , , , , , ,	1½" galvanized roofing nail: staple galvanized, 1½" long:	1	1		1.75	24/16	7/16	16	4	12		JU
	½"gypsum sheathing d 5/8" gypsum sheathing d	1½" galvanized roofing nail: staple galvanized, 1½" long: 1¼" screws, Type W or S 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or S	1 1 2 AYMENT	TO FRAMINA	(2.0 " x O.113 ") 8d Common (2.5 "x O.131 ")			7/16	···	6	12	110	
	1/2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC	galvanized roofing nail: staple galvanized,		TO FRAMING	(2.0 " x 0.113 ") 8d Common (2.5 "x 0.131 ") For \$1: 1 inch =	1.75 25.4 mm, 1 mile pe	24/16 er hour = 0.447 m/s.		24	6	12		
	1/2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC 3/4" and less	1½" galvanized roofing nail: staple galvanized, 1½" long: 1¼" screws, Type W or \$ 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or \$ 1 5/8" screws, Type W or \$ MBINATION SUBFLOOR UNDER 6d deformed (2" x 0.120") nail or 8d common (2½" x 0.131")	n ati	12	(2.0 " x 0.113 ") 8d Common (2.5 "x 0.131 ") For SI: 1 inch = a. Panel streng be apphed	1.75 25.4 mm, 1 mile peth axis parallel outling by the panel strengt	24/16 er hour = 0.447 m/s. r perpendicular to supports. 7 th axis perpendicular to supp	"hree-ply plywood sheathi orts.	24 ing with studs spaced mor	6 re than 16 inches		all	
	1/2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC 94" and less 1/8"-1"	1½" galvanized roofing nail: staple galvanized, 1½" long: 1¼" screws, Type W or \$ 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8"screws, Type W or \$ 15/8"screws, Type W or \$ 15/8"scr	n&d) ") Cail	12	(2.0 " x 0.113 ") 8d Common (2.5 "x 0.131 ") For SI: 1 inch = a. Panel streng be apphed b. Table is bas	1.75 25.4 mm, 1 mile peth axis parallel or with panel strenged on wind prese	24/16 er hour = 0.447 m/s. perpendicular to supports. 7 th axis perpendicular to suppoures acting toward and away f	"hree-ply plywood sheathi orts.	24 ing with studs spaced mor	6 re than 16 inches		all	
	1/2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC 3/4" and less 1/8"-1" 1 1/8"-14" 1 1/8"-14" 1 are smooth-common, box or deformed shanks except to	1½" galvanized roofing nail: staple galvanized, 1½" long: 1¼" screws, Type W or \$ 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or \$ 1 5/8" screws, Type W or \$ 2	nation (a) (a) (a) (b) (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	12	8d Common (2.5 "x 0.131") For \$1: 1 inch = a. Panel streng be apphed b. Table is bas accordance c. Wood Struct siding rated	1.75 25.4 mm, I mile peth axis parallel or with panel strenged on wind presswith Section 602 ural Panels with s oc or 24 oc	24/16 er hour = 0.447 m/s. perpendicular to supports. 7 th axis perpendicular to suppoures acting toward and away f	Three-ply plywood sheathi orts. rom building surfaces per 14 shall be permitted as a	24 ing with stude epaced more Section 301.2. Lateral brown alternate to panels with	re than 16 inches	ente shall be in ing. Plywood	all	
l: 1 ir	1/2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC 3/4" and less 1/8"-1" 1 1/8"-14" 1 1/8"-14" 1 are smooth-common, box or deformed shanks except to	1½" galvanized roofing nail: staple galvanized, 1½" long: 1¼" screws, Type W or \$ 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or \$ 1 5/8" screws, Type W or \$ 2	nation (a) (a) (a) (b) (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	12	8d Common (2.5 "x 0.131") For \$1: 1 inch = a. Panel streng be apphed b. Table is bas accordance c. Wood Struct siding rated	1.75 25.4 mm, I mile peth axis parallel or with panel strenged on wind presswith Section 602 ural Panels with s oc or 24 oc	24/16 er hour = 0.447 m/s. r perpendicular to supports. The axis perpendicular to suppoures acting toward and away for the control of the c	Three-ply plywood sheathi orts. rom building surfaces per 14 shall be permitted as a	24 ing with stude epaced more Section 301.2. Lateral brown alternate to panels with	re than 16 inches	ente shall be in ing. Plywood	all	
DD	2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC 34" and less 1/8"-1" 1 /8"-14" nch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.44" are smooth-common, box or deformed shanks except unum average bending yield strengths as shown: 80 ksi in 0.142 inch but not larger than 0.171 inch, and 100 ksi is are 16 gage wire and have a minimum 7/16-inch on diam	1½" galvanized roofing nail: staple galvanized, 1½" long: 1¼" screws, Type W or \$ 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or \$ 1 5/8" screws, Type W or \$ 2	nation (a) (a) (a) (b) (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	12	8d Common (2.5 "x 0.131") For \$1: 1 inch = a. Panel streng be apphed b. Table is bas accordance c. Wood Struct siding rated	1.75 25.4 mm, I mile peth axis parallel or with panel strenged on wind presswith Section 602 ural Panels with s oc or 24 oc	24/16 er hour = 0.447 m/s. r perpendicular to supports. The axis perpendicular to suppoures acting toward and away for the control of the c	Three-ply plywood sheathi orts. rom building surfaces per 14 shall be permitted as a	24 ing with stude epaced more Section 301.2. Lateral brown alternate to panels with	re than 16 inches	ente shall be in ing. Plywood	all	
DD	2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC %" and less 1/8"-1" 1 /8"-1 4" nch = 25.4 mm, foot = 304.8 mm, mile per hour = 0.44 s are smooth-common, box or deformed shanks except unum average bending yield strengths as shown: 80 ksi in 0.142 inch but not larger than 0.171 inch, and 00 ksi is are 16 gage wire and have a minimum 1/16-inch on diamall be spaced at not more than 6 inches on center at a not-by-8-foot or 4-foot-by-9-foot panels shall be applied	1½" galvanized roofing nail: staple galvanized, 1½" long: 1½" screws, Type W or 5 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or 5 1 5/8" screws, Type W or 5 2	nation (a) (a) (a) (b) (a) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	12	8d Common (2.5 "x 0.131") For \$1: 1 inch = a. Panel streng be apphed b. Table is bas accordance c. Wood Struct siding rated	1.75 25.4 mm, I mile peth axis parallel or with panel strenged on wind presswith Section 602 ural Panels with s oc or 24 oc	24/16 er hour = 0.447 m/s. r perpendicular to supports. The axis perpendicular to suppoures acting toward and away for the control of the c	Three-ply plywood sheathi orts. rom building surfaces per 14 shall be permitted as a	24 ing with stude epaced more Section 301.2. Lateral brown alternate to panels with	re than 16 inches	ente shall be in ing. Plywood	all	
DD	2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC 34" and less 1/8"-1" 1 /8"-1 4" nch = 25.4 mm, foot = 304.8 mm, mile per hour = 0.44 are smooth-common, box or deformed shanks except to how average bending yield strengths as shown: 80 ks no.142 inch but not larger than 0.171 inch, and 00 ks are 16 gage wire and have a minimum 7/16-inch on dian hall be spaced at not more than 6 inches on center at a not-by-8-foot or 4-foot-by-9-foot panels shall be applied of fasteners not included in this table shall be based	1½" galvanized roofing nail: staple galvanized, 1½" long: 1½" screws, Type W or 5 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or 5 1 5/8" screws, Type W or 5 2	nation (1) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a	12	8d Common (2.5 "x 0.131") For \$1: 1 inch = a. Panel streng be apphed b. Table is bas accordance c. Wood Struct siding rated	1.75 25.4 mm, I mile peth axis parallel or with panel strenged on wind presswith Section 602 ural Panels with s oc or 24 oc	24/16 er hour = 0.447 m/s. r perpendicular to supports. The axis perpendicular to suppoures acting toward and away for the control of the c	Three-ply plywood sheathi orts. rom building surfaces per 14 shall be permitted as a	24 ing with stude epaced more Section 301.2. Lateral brown alternate to panels with	re than 16 inches	ente shall be in ing. Plywood	all	
: ir nails minim thar ples s sh ur-fo acinc regil	2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC 34" and less 1/8"-1" 1 /8"-1 4" nch = 25.4 mm, foot = 304.8 mm, mile per hour = 0.44" are smooth-common, box or deformed shanks except in a series as shown: 80 ks no 142	1½" galvanized roofing nail: staple galvanized, 1½" long: 1½" screws, Type W or 5 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or 5 1 5/8" screws, Type W or 5 2	ndi ") fail connections shall or shank diameters	12	8d Common (2.5 "x 0.131") For \$1: 1 inch = a. Panel streng be apphed b. Table is bas accordance c. Wood Struct siding rated	1.75 25.4 mm, I mile peth axis parallel or with panel strenged on wind presswith Section 602 ural Panels with s oc or 24 oc	24/16 er hour = 0.447 m/s. r perpendicular to supports. The axis perpendicular to suppoures acting toward and away for the control of the c	Three-ply plywood sheathi orts. rom building surfaces per 14 shall be permitted as a	24 ing with stude epaced more Section 301.2. Lateral brown alternate to panels with	re than 16 inches	ente shall be in ing. Plywood	all	
I in nails a short foot acting struction of the contracting struction of t	2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC 34" and less 1/8"-1" 1 /8"-14" nch = 25.4 mm, foot = 304.8 mm, mile per hour = 0.44" are smooth-common, box or deformed shanks except to a sare smooth-common, box or deformed shanks except to num average bending yield strengths as shown: 80 ksi in 0.142 inch but not larger than 0.111 inch, and 100 ksi inch on 0.142 inch but not larger than 0.111 inch, and 100 ksi inch on 0.142 inch but not larger than 0.111 inch, and 100 ksi inch on 0.142 inch but not larger than 0.111 inch, and 100 ksi inch on 0.142 inch but not larger than 0.111 inch, and 100 ksi inch on 0.142 inch but not larger than 0.111 inch, and 100 ksi inch on 0.142 inch on 0.142 inch on 0.142 inch on 0.142 i	1½" galvanized roofing nail: staple galvanized, 1½" long: 1½" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or 5 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or 5 MBINATION SUBFLOOR UNDER 6d deformed (2" x 0.120") nail or 8d common (2½" x 0.131") 8d common (2½" x 0.131") nail or 8d deformed (2½" x 0.120" lod common (3" x 0.148") nail or 8d deformed (2½" x 0.120" lod common (3" x 0.148") nail or 8d deformed (2½" x 0.120" lod common (3" x 0.148") nail or 8d deformed (2½" x 0.120" lod common nail), 90 ksi for shank diameters of 0.192 inch (20d common nail), 90 ksi for shank diameters of 0.142 inch or less. lester crown width. all supports where spans are 48 inches or greater. led vertically. If on Table 602.3(2). If deformed (2½" x 0.120") nails shall be used for attaching 3-inch distance from gable end walls, if mean roof height is most of attaching wood structural panel roof sheathing to gable.	made ") Cail Connections shall or shank diameters plywood and ore end wall	12	8d Common (2.5 "x 0.131") For \$1: 1 inch = a. Panel streng be apphed b. Table is bas accordance c. Wood Struct siding rated	1.75 25.4 mm, I mile peth axis parallel or with panel strenged on wind presswith Section 602 ural Panels with s oc or 24 oc	24/16 er hour = 0.447 m/s. r perpendicular to supports. The axis perpendicular to suppoures acting toward and away for the control of the c	Three-ply plywood sheathi orts. rom building surfaces per 14 shall be permitted as a	24 ing with stude epaced more Section 301.2. Lateral brown alternate to panels with	re than 16 inches	ente shall be in ing. Plywood	all	
I in nails a short registre registration registre registration	2"gypsum sheathing d 5/8" gypsum sheathing d STRUCTURAL PANELS, CC 34" and less 1/8"-1" 1 /8"-14" nch = 25.4 mm, foot = 304.8 mm, mile per hour = 0.44" are smooth-common, box or deformed shanks except to a sare smooth-common, box or deformed shanks except to num average bending yield strengths as shown: 80 ksi in 0.142 inch but not larger than 0.171 inch, and 00 ksi in 0.142 inch but not larger than 0.171 inch, and 00 ksi in 1.00 ksi in 1	1½" galvanized roofing nail: staple galvanized, 1½" long: 1½" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or 5 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8" screws, Type W or 5 MBINATION SUBFLOOR UNDER 6d deformed (2" x 0.120") nail or 8d common (2½" x 0.131") 8d common (2½" x 0.131") nail or 8d deformed (2½" x 0.120" 10d common (3" x 0.148") nail or 8d deformed (2½" x 0.120" 1 m/s: lksi = 6.895 MPa. uhere otherwise stated. Nails used for framing and sheathing of or shank diameters of 0.192 inch (20d common nail), 90 ksi for for shank diameters of 0.142 inch or less. 1 msi lksi = 6.895 MPa. language of the stated of	plywood and one end wall neathing	12	8d Common (2.5 "x 0.131") For \$1: 1 inch = a. Panel streng be apphed b. Table is bas accordance c. Wood Struct siding rated	1.75 25.4 mm, I mile peth axis parallel or with panel strenged on wind presswith Section 602 ural Panels with s oc or 24 oc	24/16 er hour = 0.447 m/s. r perpendicular to supports. The axis perpendicular to suppoures acting toward and away for the control of the c	Three-ply plywood sheathi orts. rom building surfaces per 14 shall be permitted as a	24 ing with stude epaced mor Section 301.2. Lateral br in alternate to panels with	re than 16 inches	ente shall be in ing. Plywood	all	
l in aile sinim sharmed sharped sharpe	2"gypsum sheathing d 5/8" gypsum sheathing d 5/8" gypsum sheathing d 5/8" and less 1/8"-1"	1½" galvanized roofing nail: staple galvanized, 1½" long: 1½" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8"screws, Type W or 5 1¾" glavanized roofing nail: staple galvanized, 1 5/8" long: 1 5/8"screws, Type W or 5 MBINATION SUBFLOOR UNDER 6d deformed (2" x 0.120") nail or 8d common (2½" x 0.131") 8d common (2½" x 0.131") nail or 8d deformed (2½" x 0.120" lod common (3" x 0.148") nail or 8d deformed (2½" x 0.120" lod common (3" x 0.148") nail or 8d deformed (2½" x 0.120" lod common (3" x 0.148") nail or 8d deformed (2½" x 0.120" lod common (3" x 0.148") nail or 8d deformed (2½" x 0.120" lod common nail), 90 ksi for shank diameters of 0.192 inch (20d common nail), 90 ksi for or shank diameters of 0.142 inch or less. lester crown width. all supports where spans are 48 inches or greater. led vertically. If on Table 602.3(2). If deformed (2½" x 0.120") nails shall be used for attaching deformed (2½" x 0.120") nails shall be used for attaching spans are 48 inches or greater. Inches of sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater than 100 mph, nails for attaching panel roof sheathing to gable led is greater	made ") Cail Connections shall or shank diameters plywood and ore end wall meathing walls:	12	8d Common (2.5 "x 0.131") For \$1: 1 inch = a. Panel streng be apphed b. Table is bas accordance c. Wood Struct siding rated	1.75 25.4 mm, I mile peth axis parallel or with panel strenged on wind presswith Section 602 ural Panels with s oc or 24 oc	24/16 er hour = 0.447 m/s. r perpendicular to supports. The axis perpendicular to suppoures acting toward and away for the control of the c	Three-ply plywood sheathi orts. rom building surfaces per 14 shall be permitted as a	24 ing with stude epaced mor Section 301.2. Lateral br in alternate to panels with	re than 16 inches	ente shall be in ing. Plywood	all	

2019 RESIDENTIAL CODE OF OHIO COMPLIANCE PATH OPTIONS

CLIMATE ZONE 5- SELECT ONE OPTION

DESCRIPTION	OPTION 1 2003 IEEC	OPTION 2 RCO 1101-1004	OPTION3 RCC OPTION 3A OHBA PATH I	O 1105 (OHBA) OPTION 3B OHBA PATH 2
MINUMUM FENESTRATION U-FACTOR (ALL GLAZED FENESTRATION EXCEPT SKYLIGHTS	0.35	0.35	0.32	O.32
SKYLIGHT FENESTRATION U-FACTOR	0.60	0.60	0.60	0.60
CEILING R-YALUE	R-38	R-38	R-49	R-49
WOOD FRAMED WALL R-YALUE	20 OR 13+5 *	20 OR 13+5 +	15 OR 13+3 +	13
MASS WALL R-YALUE (ABOYE GRADE WALLS OF CONCRETE BLOCK, ICF, SOLID TIMBER LOGS, ET	13/I 1 C.)	13/17	13/17	13/17
FRAMED FLOOR R-YALUE	30 *	30 *	30 *	30 *
BASEMENT WALL R-YALUE	10/13 *** (FULL)	10/13 *** (FULL)	10/13 *** (MIN. 4 FT.)	10/13 *** (MIN, 4 FT
SLAB R-VALUE (A)	R-10 @ 2 FT.	R-10 @ 2 FT.	R-10 @ 2 FT.	R-10 @ 2 FT.
CRAWL SPACE WALL R-VALUE	10/13 ***	10/13 ***	10/13 ***	10/13 ***
BLOWER DOOR TEST	YES (B)	YES (B)	YES (D)	YES (D)
DUCTS MUST BE TESTED FOR FOR TIGHTNESS (IECC 403.2.2)	YES (C)	YES (C)	YES (C) (D)	YES (C) (D)
SUPPLY DUCTS IN ATTICS SHALL BE INSULATED TO A MINIMUM OF (E)	R-8	R-8	R-8	R-8
ALL OTHER DUCTS (OUTSIDE THE BUILDING ENVELOPE) SHALL BE SEALED AND INSULATED MTO A MINIMUM OF (E)	R-6	R-6	R-6	R-6
AIR SEALING (IECC 402.4) OF PLATES, WALLS, WINDOWS DOORS, UTILITY PENETRATIONS, ATTIC ACCESS, RECESSED	YES	YES	YES	YES
JOOD BURNING FIREPLACES SHALL HAVE GASKET DOORS AND OUTDOOR COMBUSTION AIR (F)	ED YES	YES	YES	YE6
ACCESS DOORS FROM CONDITIONED SPACES TO INCONDITIONED SPACE SHALL BE WAETHERSTRIPF	YES PED	YES	YES	YE5
CIRCULATING HOT WATER SYSTEMS PIPING SHAL BE INSULATED TO AT LEAST R- (PER SECTION IIC		R-2 (ALL)	R-2 (FIRST 5 FT.)	R-2 (FIRST 5 FT.)
MECHANICAL SYSTEM PIPING (ABOYE 105 F OR BELOW 55 F MUST BE INSULATED TO A MINIMUM (R-3 PF	R-3	R-3	R-3
MINIMUM PERCENTAGE OF HIGH EFFIENCY LIGHT FIXTURES	50%	50%	15%	75%
PROGRAMMABLE THERMOSTAT REQUIRED	YES	YE6	YES	YES
PERMANENT CERTIFICATE SHALL BE POSTED ON THE ELECTRICAL PANEL	YE6	YES	YES	YES
FURNACE EFFICIENCY RATING	EQUIDMENT SITING	SHALL MEET SECTION MI40		
AID CONDITIONING GEED DATING	LOCAL TIENT SIZING	OHMEL HELL DECHON HIPC	ON OF THE INC	

AIR CONDITIONING SEER RATING

NOTES:
13+5 MEANS R-13 CAVITY INSULATION PLUS R-5 INSULATED SHEATHING (LIKEWISE FOR 13+3)

* OR INSULATION SUFFICIENT TO FILL THE FRAMING CAVITY

** 10/13 MEANS R-10 CONTINUOUS INSULATION (ON THE INTERIOR OR EXTERIOR) OR R-13 CAVITY INSULATION ON THE BASEMENT/CRAWL WALL

(A) FOR HEATED SLABS R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R VALUES

(B) EXCEPTION: COMPLIANCE MAY BE DETERMINED BY A YIGUAL INSPECTION BASED ON THE CRITERIA LIGTED IN IECC TABLE 402.4.2 (IN LIEU OF BLOWER DOOR)

(C) EXCEPTION: DUCT TIGHTNESS TEST IS NOT REQUIRED IF THE AIR HANDLER AND ALL DUCTS ARE LOCATED WITHIN CONDITIONED SPACE (D) THIS REQUIREMENT WILL TAKE EFFECT ONE YEAR AFTER THE EFFECTIVE DATE OF THIS RULE (1/1/14)

(E) BUILDING FRAMING CAVITIES SHALL NOT BE USED AS SUPPLY DUCTS

(F) EXECPTION: PRE MANUFACTURED FIREPLACES MUST BE INSTALLED PER MANUFACTURERS INSTRUCTIONS (WHICH MAY OR MAY NOT INCLUDE GASKETED DOORS AND OUTSIDE AIR)

(OHBA) OHIO HOME BUILDERS ASSOCIATION) (RCO) RESIDENTIAL CODE OF OHIO

(IECC) INTERNATIONAL ENERGY CONSERVATION CODE)

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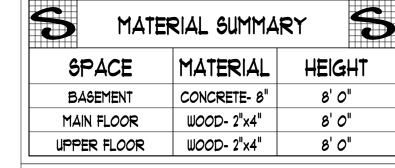
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WWW.SCHILLARCHITECTURE.COM OFFICE ADDRESS: 1650 CROSSINGS PARKWAY SUITE E WESTLAKE, OHIO 44145

DESIGN LOADS

COMPONENT	LIYE 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	2,000 P.S.F.	N.A.	2,000 P.S.F.

I. ASSUMED SOIL BEARING CAPACITY IS 2,000 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. 2. NOTIFY ARCHITECT IF ROOFING MATERIAL IS OTHER THAN ASPHALT SHINGLE.



S AREA SUMM.	ARY S
AREA	SIZE
UNFINISHED BASEMENT	0,000 SQ.FT.
FINISHED BASEMENT AREA	0,000 SQ.FT.
MAIN FLOOR ADDITION	746 SQ.FT.
UPPER FLOOR ADDITION	241 SQ.FT.
THIRD FLOOR ADDITION	85 SQ.FT.
TOTAL HEATED AREA	0,000 SQ.FT.
GARAGE	0,000 SQ.FT.
ARRIVAL PORCH	312 SQ.FT.
FRIENDS/ FAMILY PORCH	0,000 SQ.FT.
REAR PORCH	0,000 SQ.FT.
TOTAL AREA LINIDER ROOF	0000 50 ET

TOTAL AREA UNDER ROOF | 0,000 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

REY. NO.	DESCRIPTION	DATE
<u> </u>	ISSUED FOR REVIEW	5 DEC 2022
2	ISSUED FOR PERMIT & BIDDING	27 JAN 2023
<u>3</u>	ISSUED FOR PERMIT & BIDDING	22 JUNE 2023
4		
<u>/</u> 5		

PROJECT:

ADDITION & RENOVATION TO PRIVATE RESIDENCE

LOCATION: 22105 LAKE ROAD ROCKY RIVER, OHIO 44116 CUYAHOGA COUNTY PERMANENT PARCEL NUMBER: 302-06-008

STEPHEN M. SCHILL, LICENSE * 8877

EXPIRATION DATE: 12/31/2023

45 NOTED	22 ENROH
	DATE:
TE OF ON	02 DECEMBER
STEPHEN M.	CAD FILE NAME: C:\DRAWING\$\CENTRALARCHIVE\ \$CHILL\RESIDENCE\\$LOO.CAD
SCHILL SCHILL	

JOB NUMBER:

DRAWING NUMBER

Spacing of fasteners on floor sheathing panel edges apphes to panel edges supported by framing members and required blocking and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges apphes 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.