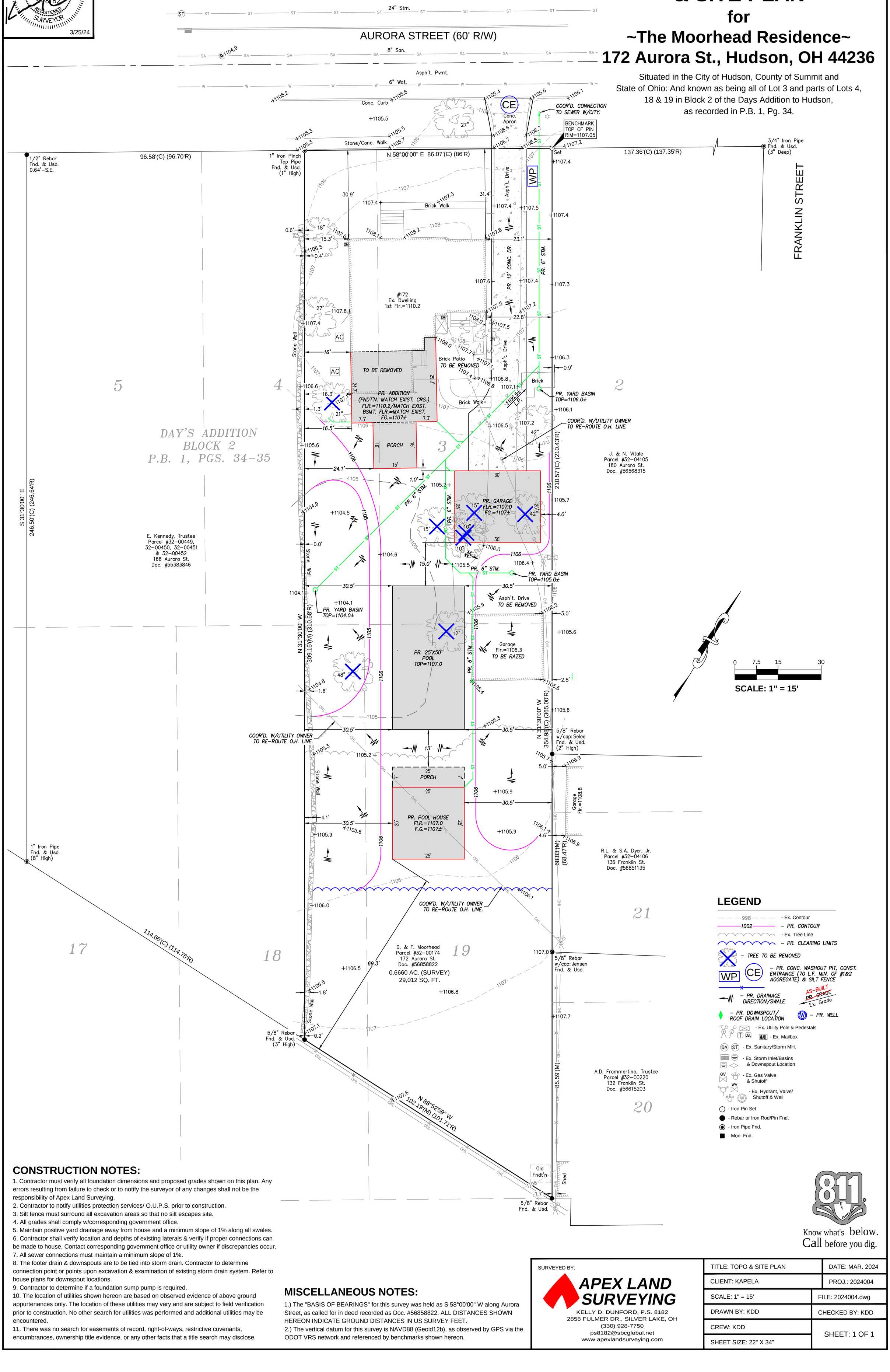
STATE OF OHIO
KELLY D. DUNFORD
S-8182
REGISTERED SURVEYOR
3/25/24

DATE OF SURVEY: JAN. 2024
REVISIONS:
Ex. Cond. Survey Released to Client – 2/02/24
1.)

TOPOGRAPHIC SURVEY & SITE PLAN
for
~The Moorhead Residence~
172 Aurora St., Hudson, OH 44236

Situated in the City of Hudson, County of Summit and State of Ohio: And known as being all of Lot 3 and parts of Lots 4, 18 & 19 in Block 2 of the Days Addition to Hudson, as recorded in P.B. 1, Pg. 34.



0 7.5 15 30
SCALE: 1" = 15'

LEGEND

- 998 - Ex. Contour
- 1002 – PR. CONTOUR
- Ex. Tree Line
- PR. CLEARING LIMITS
- TREE TO BE REMOVED
- WP / CE – PR. CONC. WASHOUT PIT, CONST. ENTRANCE (70 L.F. MIN. OF #1&2 AGGREGATE) & SILT FENCE
- PR. DRAINAGE DIRECTION/SWALE
- AS-BUILT PR. GRADE / Ex. Grade
- PR. DOWNSPOUT/ ROOF DRAIN LOCATION
- (W) – PR. WELL
- Ex. Utility Pole & Pedestals
- MAIL - Ex. Mailbox
- SA / ST - Ex. Sanitary/Storm MH.
- Ex. Storm Inlet/Basins & Downspout Location
- GV - Ex. Gas Valve & Shutoff
- WV - Ex. Hydrant, Valve/ Shutoff & Well
- Iron Pin Set
- Rebar or Iron Rod/Pin Fnd.
- Iron Pipe Fnd.
- Mon. Fnd.

CONSTRUCTION NOTES:

1. Contractor must verify all foundation dimensions and proposed grades shown on this plan. Any errors resulting from failure to check or to notify the surveyor of any changes shall not be the responsibility of Apex Land Surveying.
2. Contractor to notify utilities protection services/ O.U.P.S. prior to construction.
3. Silt fence must surround all excavation areas so that no silt escapes site.
4. All grades shall comply w/corresponding government office.
5. Maintain positive yard drainage away from house and a minimum slope of 1% along all swales.
6. Contractor shall verify location and depths of existing laterals & verify if proper connections can be made to house. Contact corresponding government office or utility owner if discrepancies occur.
7. All sewer connections must maintain a minimum slope of 1%.
8. The footer drain & downspouts are to be tied into storm drain. Contractor to determine connection point or points upon excavation & examination of existing storm drain system. Refer to house plans for downspout locations.
9. Contractor to determine if a foundation sump pump is required.
10. The location of utilities shown hereon are based on observed evidence of above ground appurtenances only. The location of these utilities may vary and are subject to field verification prior to construction. No other search for utilities was performed and additional utilities may be encountered.
11. There was no search for easements of record, right-of-ways, restrictive covenants, encumbrances, ownership title evidence, or any other facts that a title search may disclose.

MISCELLANEOUS NOTES:

1.) The "BASIS OF BEARINGS" for this survey was held as S 58°00'00" W along Aurora Street, as called for in deed recorded as Doc. #56858822. ALL DISTANCES SHOWN HEREON INDICATE GROUND DISTANCES IN US SURVEY FEET.
2.) The vertical datum for this survey is NAVD88 (Geoid12b), as observed by GPS via the ODOT VRS network and referenced by benchmarks shown hereon.

Know what's below.
Call before you dig.

SURVEYED BY:
APEX LAND SURVEYING
KELLY D. DUNFORD, P.S. 8182
2858 FULMER DR., SILVER LAKE, OH
(330) 928-7750
ps8182@sbcglobal.net
www.apexlandsurveying.com

TITLE: TOPO & SITE PLAN	DATE: MAR. 2024
CLIENT: KAPELA	PROJ.: 2024004
SCALE: 1" = 15'	FILE: 2024004.dwg
DRAWN BY: KDD	CHECKED BY: KDD
CREW: KDD	SHEET: 1 OF 1
SHEET SIZE: 22" X 34"	

GENERAL CONSTRUCTION NOTES:

MISCELLANEOUS:
FOR ANY ELEMENTS OF CONSTRUCTION NOT SPECIFICALLY NOTED ON THESE PLANS, COMPLY WITH THE LATEST EDITION OF THE OBOA RESIDENTIAL CODE OF OHIO, UNLESS LOCAL BUILDING AND ZONING DEPARTMENTS ADHERE TO A SPECIFIC EDITION.

TRUSSES:
ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER WITH DETAILED DRAWINGS DESCRIBING TRUSS LAYOUTS AND LOAD CALCULATIONS USED TO DESIGN THE TRUSSES. IT IS THE BUILDER AND/OR OWNERS RESPONSIBILITY TO SUPPLY ANY/OR ALL OF THIS INFORMATION IF REQUESTED BY THE BUILDING DEPARTMENT TO ISSUE BUILDING PERMITS.

LIVE LOADS:
IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANSFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

THIS STRUCTURE IS DESIGNED TO RESIST THE FOLLOWING LOADS:

ROOF/SNOW	25psf	ATTIC	20psf
FIRST FLOOR	40psf	SECOND FLOOR	40psf
BALCONIES	60psf	BASIC WIND SPEED	90mph

LUMBER:
IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL LUMBER USED FOR THIS PROJECT MEETS OR EXCEEDS THE MINIMUM REQUIREMENTS OF STRENGTH AND MOISTURE CONTENT SET FORTH BY THE STATE AND LOCAL BUILDING CODES.

TYP. SPF #2 OR BETTER Fb.....875 psi

ANY MICROLAM (LVL) NOTED ON THESE DRAWINGS MUST MEET THE FOLLOWING DESIGN CRITERIA:
M.O.E.....1,900,000psi Fb.....2,600psi

WALL STUDS SHALL BE A MINIMUM OF 2x4's @ 16"o.c. AND SHALL BE ONE PIECE FULL HEIGHT AND A MINIMUM OF (2) STUDS AT EACH SIDE OF ALL OPENINGS THROUGH ALL WALLS UNLESS NOTED OTHERWISE.

REFER TO THE TYPICAL WALL SECTION FOR SUBFLOOR AND ROOF SHEATHING THICKNESSES AND MATERIAL TYPES.

CONCRETE:
ALL CONCRETE SHALL COMPLY WITH ACI 318-08: "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318-03: "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 psi. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED PER RCO SECTION 402.2.

STEEL:
ALL STEEL BEAMS AND COLUMNS ARE DESIGNED FOR A992 GR. 50 STEEL. ANCHOR BOLTS SHALL CONFORM TO ASTM A307-07b. ALL REINFORCING STEEL SHALL BE GRADE 60.
FOR ALL STEEL COLUMNS, BEARING PLATES AND ANCHOR BOLTS BELOW GRADE, ENCASE WITH A MINIMUM OF 3" CONCRETE COVER.

SOIL BEARING:
FOUNDATIONS SHOWN ON THESE DRAWINGS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 1,500 psf. WALLS ARE DESIGNED FOR AN EQUIVALENT FLUID PRESSURE OF 55 pcf. IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO DETERMINE THAT THE SOIL IS ADEQUATE TO SUPPORT THIS BUILDING ON THE FOUNDATION AND THE WALLS SHOWN, AND ALSO, DETERMINING THAT THE TOTAL AND DIFFERENTIAL SETTLEMENTS OF THE FOUNDATIONS ARE WITH IN THE TOLERABLE LIMITS OF THIS STRUCTURE AND THAT 55 pcf IS THE CORRECT WALL LOADING. THE BUILDER AND/OR OWNER IS ENCOURAGED TO OBTAIN THE SERVICES OF A SOILS ENGINEERING FIRM TO DETERMINE THE SUITABILITY OF THE FOUNDATIONS AND THE WALLS SHOWN ON THESE DRAWINGS TO SAFELY SUPPORT THE STRUCTURE WITH NO DETRIMENTAL EFFECT TO THE BUILDING.

GENERAL CODE REQUIREMENTS
Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

ROOFS:
ROOF SHINGLES SHALL BE APPLIED OVER A MINIMUM OF ONE PLY OF #15 FELT. FELT SHALL BE LAID PARALLEL TO THE EAVES, WITH A 2" TOP LAP AND 4" END LAP. FOR A ROOF WITH A 4/12 OR LESS PITCH REFER TO RCO SECTION 905.2. ICE GUARD AND WATERSHIELD AT ALL EAVES AND VALLEYS.

ATTICS:
ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS VENTILATION WITH THE NET FREE VENTILATING AREA NOT LESS THAN 1/300 OF THE AREA TO BE VENTILATED. ALL OPENINGS SHALL BE PROTECTED AGAINST THE ENTRANCE OF SNOW AND RAIN.

MECHANICALS:
ALL PLUMBING, ELECTRICAL, HEATING AND COOLING SYSTEMS SHALL COMPLY WITH ALL ORDINANCES SET FORTH THE BY THE LOCAL GOVERNING BUILDING AND ZONING DEPARTMENTS. PLUMBING SHALL ALSO COMPLY WITH THE OHIO PLUMBING CODE. ELECTRICAL SHALL ALSO COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE 2013 RESIDENTIAL CODE OF OHIO.

SMOKE & CARBON DETECTORS:
ALL SMOKE & CARBON DETECTORS SHALL BE HARDWIRED & INTERCONNECTED WITH A BATTERY BACK-UP. THEY SHALL BE INSTALLED IN EACH SLEEPING ROOM, OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS AND ON EACH ADDITIONAL STORY OF THE BUILDING PER RCO SECTIONS 314.3 AND 315.1.

FIRESTOPPING:
SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS: CONCEALED SPACES OF STUD WALLS AND PARTITIONS AT THE CEILING AND FLOOR, OR ROOF LEVELS. AT ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES SUCH AS OCCURS AT SOFFITS OVER CABINETS, DROP CEILINGS, ETC. ALSO AROUND VENTS, PIPES, AND CHIMNEYS AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTABLE MATERIALS.

INSULATION:
INSULATION SHALL BE INSTALLED AND ALSO COMPLY WITH ALL MINIMUM ORDINANCES SET FORTH THE BY THE LOCAL GOVERNING BUILDING AND ZONING DEPARTMENTS.
REFER TO THE TYPICAL WALL SECTION FOR R-VALUES AND LOCATIONS.

SHEATHING:
EXTERIOR WALLS & ROOF SHALL BE CONTINUOUSLY SHEATHED WITH MIN. 7/16" OSB OR PLYWOOD PER SECTION 602.10. NAILED W/ 8d NAILS AT 6" o.c. AT ALL PANEL EDGES AND 12" o.c. AT INTERMEDIATE SUPPORTS

FOOTINGS:
ALL FOOTINGS SHALL EXTEND TO OR BELOW THE MINIMUM FROST LINE DEPTH OF 42" PER RCO SECTION 402.2.

FIREPLACES:
ALL CHIMNEYS AND FIREPLACES SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF 2013 RCO 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 PRE-FAB FIREPLACES WITH THE ACTUAL UNIT TO BE INSTALLED, PRIOR TO FRAMING.

RADON:
IT IS THE RESPONSIBILITY OF THE BUILDER TO INFORM THE OWNER OR IF THE OWNER IS ACTING AS HIS OR HER OWN CONTRACTOR TO KNOW THAT ALL HOUSES HAVE A POTENTIAL TO HAVE RADON LEVELS WHICH MAY EXCEED THE RECOMMENDED LEVELS ESTABLISHED BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY. THE BUILDER AND/OR OWNER SHALL DECIDE WHAT ACTION, IF ANY, SHOULD BE TAKEN CONCERNING RADON. IT IS NOT THE RESPONSIBILITY OF J. KAPELA DESIGNS, INC. TO DETERMINE IF A RADON ABATEMENT SYSTEM IS REQUIRED.

PLAN DESIGN & CONSTRUCTION CRITERIA
BASED ON THE FOLLOWING CODES:
2019 Residential Code of Ohio (RCO)
2017 National Electric Code (NEC)
2017 Ohio Mechanical Code (OMC)
2017 Ohio Plumbing Code (OPC)
2017 International Energy Conservation Code (IECC)

The Moorhead Residence
172 AURORA ST. - HUDSON, OH

GENERAL DISCLAIMER NOTES:

NOTE 1: J. KAPELA DESIGNS, INC. IS NOT A SURVEYING COMPANY. IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO RETAIN THE SERVICES OF A REGISTERED SURVEYOR OR ENGINEER TO COMPLETE AN ACCURATE SITE AND GRADING PLAN PRIOR TO THE COMPLETION OF THE "DESIGN PHASE". DURING THE DESIGN PROCESS ANY SITE STUDY DRAWN BY J. KAPELA DESIGNS, INC. WILL BE USED TO DETERMINE AN ESTIMATED BUILDABLE AREA AND AT NO TIME IS J. KAPELA DESIGNS, INC. RESPONSIBLE FOR THE LOCATION OF THE HOUSE ON THE LOT, ANY UTILITIES, BUILDING ELEVATIONS OR GRADING INFORMATION.

NOTE 2: J. KAPELA DESIGNS, INC. IS NOT A MECHANICAL ENGINEER AND DOES NOT ALWAYS CONSULT WITH A MECHANICAL ENGINEER FOR MECHANICAL SCHEMATICS DRAWN BY J. KAPELA DESIGNS, INC. ALL HVAC, PLUMBING AND/OR ELECTRICAL SCHEMATICS DRAWN BY J. KAPELA DESIGNS, INC. ARE "SUGGESTED" AND FOR USE ONLY TO FULFILL THE BUILDING DEPARTMENTS PLAN SUBMITTAL REQUIREMENTS. IT WILL BE THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO HAVE ALL ACTUAL MECHANICAL SYSTEMS DESIGNED AND INSTALLED BY LICENSED MECHANICAL SPECIALISTS. J. KAPELA DESIGNS, INC. ASSUMES NO RESPONSIBILITY FOR ANY MECHANICAL INSTALLATIONS AND/OR ISSUES RELATED TO THEIR INSTALLATION.

NOTE 3: J. KAPELA DESIGNS, INC. IS NOT A TRUSS MANUFACTURER OR DESIGNER. ENGINEERED ROOF TRUSSES ARE THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER, LUMBER COMPANY AND TRUSS MANUFACTURER. TRUSS DESIGNED ROOF PLANS ARE TO BE REVIEWED BY THE TRUSS MANUFACTURER PRIOR TO PRINTING FINAL CONSTRUCTION SETS. DURING THIS REVIEW PROCESS IT WILL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO VERIFY THAT ALL PLATE HEIGHTS, HEEL HEIGHTS AND ROOF PITCHES WILL CREATE A BUILDABLE TRUSS PACKAGE. THE TRUSS MANUFACTURER IS ALSO RESPONSIBLE TO VERIFY, AND IF NECESSARY, ADJUST THE SIZE OF OR ADD ANY BEAM, POST OR HEADER THAT IS DIRECTLY EFFECTED OR REQUIRED TO CARRY THE ROOF LOADS. IN THIS EVENT, THE TRUSS MANUFACTURER, BUILDER AND/OR OWNER SHALL CONTACT J. KAPELA DESIGNS, INC. TO UPDATE THE PLAN SET. IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO FIELD VERIFY ALL AS-BUILT DIMENSIONS OF FOUNDATION AND FRAMING PRIOR TO ORDERING TRUSSES. J. KAPELA DESIGNS, INC. ASSUMES NO RESPONSIBILITY FOR TRUSSES ORDERED SOLELY FROM THIS SET OF CONSTRUCTION DOCUMENTS.
J. KAPELA DESIGNS, INC. ASSUMES NO RESPONSIBILITY FOR ANY CONSTRUCTION SCHEDULE CHANGES OR DELAYS DUE TO ANY ENGINEERED ROOF TRUSS ISSUES.

NOTE 4: J. KAPELA DESIGNS, INC. IS A RESIDENTIAL ONLY DESIGN FIRM AND NOT AN OHIO REGISTERED ARCHITECT. PER OHIO LAW (ORC 3791.04-b) "NO ARCHITECTS STAMP IS REQUIRED FOR ANY PLANS, DRAWINGS, SPECIFICATIONS OR DATA SUBMITTED FOR APPROVAL FOR ANY RESIDENTIAL BUILDINGS UP TO A THREE-FAMILY DWELLING". J. KAPELA DESIGNS, INC. DOES NOT PROVIDE CONSTRUCTION SUPERVISION AND THUS NOT RESPONSIBLE FOR ANY STRUCTURAL ELEMENTS OF THE DESIGN. THE BUILDER, SUB-CONTRACTORS AND / OR OWNER ARE RESPONSIBLE TO VERIFY THAT ALL THE BUILT STRUCTURE MATCHES THE PLANS AS DRAWN AND DESIGNED. J. KAPELA DESIGNS, INC. IS NOT RESPONSIBLE FOR STRUCTURAL OR NON STRUCTURAL ISSUES RELATED TO SOIL CONDITIONS.

NOTE 5: ALL WINDOWS ON PLANS ARE DRAWN IN NOMINAL INCH SIZES. IT IS THE RESPONSIBILITY OF THE BUILDER, WINDOW SALES PERSON AND / OR OWNER TO VERIFY THE ACTUAL WINDOW MANUFACTURERS CUT SHEET MATCHES THE FLOOR PLANS AND ALSO THE EXTERIOR ELEVATION DRAWINGS. DURING PLAN DESIGNING, SOME FLOOR PLAN NUMBERS DO NOT GET UPDATED TO WHAT THE EXTERIOR ELEVATION DRAWINGS REFLECT AND THUS NEED TO BE VERIFIED BY THE WINDOW SALES PERSON. IT IS RECOMMENDED THAT ALL WINDOW CUT SHEETS ARE SENT TO J. KAPELA DESIGNS, INC. FOR REVIEW PRIOR TO ANY WINDOW ORDER BEING PLACED.

NOTE 6: ANY DESIGN, PLAN FLIP, SITE STUDY, MECHANICAL OR TRUSS RELATED CHANGES AND/OR ISSUES BROUGHT TO J. KAPELA DESIGNS, INC. AFTER THE PRINTING OF FINAL CONSTRUCTION SETS WILL BE CONSIDERED CHANGES TO THE DRAWINGS AND BILLED.

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

SQUARE FOOTAGE TABLE:

SCOPE OF WORK INCLUDES ENTIRE FIRST & SECOND FLOOR RENOVATION, NEW ADDITION TO REAR OF RESIDENCE WITH ADDED BASEMENT SQUARE FOOTAGE. DEMOLITION OF EXISTING GARAGE AND BUILD OF NEW. NEW CONSTRUCTION OF POOL HOUSE AND POOL.

EXISTING

FIRST FLOOR:	1943.67	S.F.
SECOND FLOOR:	1151.08	S.F.
TOTAL LIVING SPACE:	3094.75	S.F.

NEW

FIRST FLOOR:	431.89	S.F.
SECOND FLOOR:	N/A	S.F.
TOTAL LIVING SPACE:	3526.64	S.F.
SCREENED PORCH:	240.00	S.F.
POOL HOUSE:	625.00	S.F.
GARAGE:	750.00	S.F.

BUILDING DEPARTMENT USE:

INDEX TO DRAWINGS

J KAPELA DESIGN & CONSTRUCTION
RESIDENTIAL ARCHITECTURE | INTERIOR DESIGN | CONSTRUCTION

CONTACT:
J. KAPELA DESIGNS & CONST.
4302 John Avenue
Cleveland, Ohio 44113
216-465-2123
www.jkapela.com

FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE
172 AURORA STREET
HUDSON, OH 44236

COVER SHEET

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

C101

FOUNDATION NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-2x8 PRESSURE TREATED SILL PLATE WITH SILL SEALER

-1/2"Ø x18" ANCHOR BOLTS @ 6'-0" o.c. AND 12" MAXIMUM FROM CORNERS AND WITH A MIN. OF 2 BOLTS PER PLATE PER RCO SECTION 403.1.6.

-EXTERIOR FOUNDATION INSULATION AS REQUIRED.

-R-19 BATT INSULATION BETWEEN FLOOR JOIST CAVITIES AT RIM.

FOOTINGS:

-ALL FOOTINGS SHALL EXTEND BELOW THE MINIMUM FROST LINE DEPTH OF 42" PER RCO SECTION 402.2.

-(2)#4 REBAR CONTINUOUS THRU WALL FOOTERS.

-ALL 8" BLOCK OR POURED CONCRETE WALLS SHALL HAVE A MINIMUM 8"x16" CONTINUOUS POURED CONCRETE FOOTING.

-ALL 12" BLOCK OR POURED CONCRETE WALLS SHALL HAVE A MINIMUM 8"x20" CONTINUOUS POURED CONCRETE FOOTING.

-ALL CONCRETE LINTELS AT FOOTING LEVEL CHANGES SHALL HAVE A MINIMUM OF 8" BEARING AT EACH END.

CENTER ALL FOOTINGS ON COLUMN CENTER LINES. REINFORCE EACH WAY AS FOLLOWS:

24"x24"	(2)#4
30"x30"	(3)#4
36"x36"	(3)#5
42"x42"	(4)#5
48"x48"	(4)#5
60"x60"	(5)#5
72"x72"	(6)#5

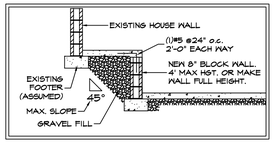
CRAWL SPACE VENTILATION:

CRAWL SPACE EXTERIOR VENTILATION OPENINGS MAY BE OMITTED WHEN CONTINUOULY OPERATED MECHANICAL VENTILATION IS PROVIDED AT A RATE OF 1.0 cfm FOR EACH 50 SQUARE FEET OF CRAWL SPACE FLOOR AREA.

POINT LOADS:

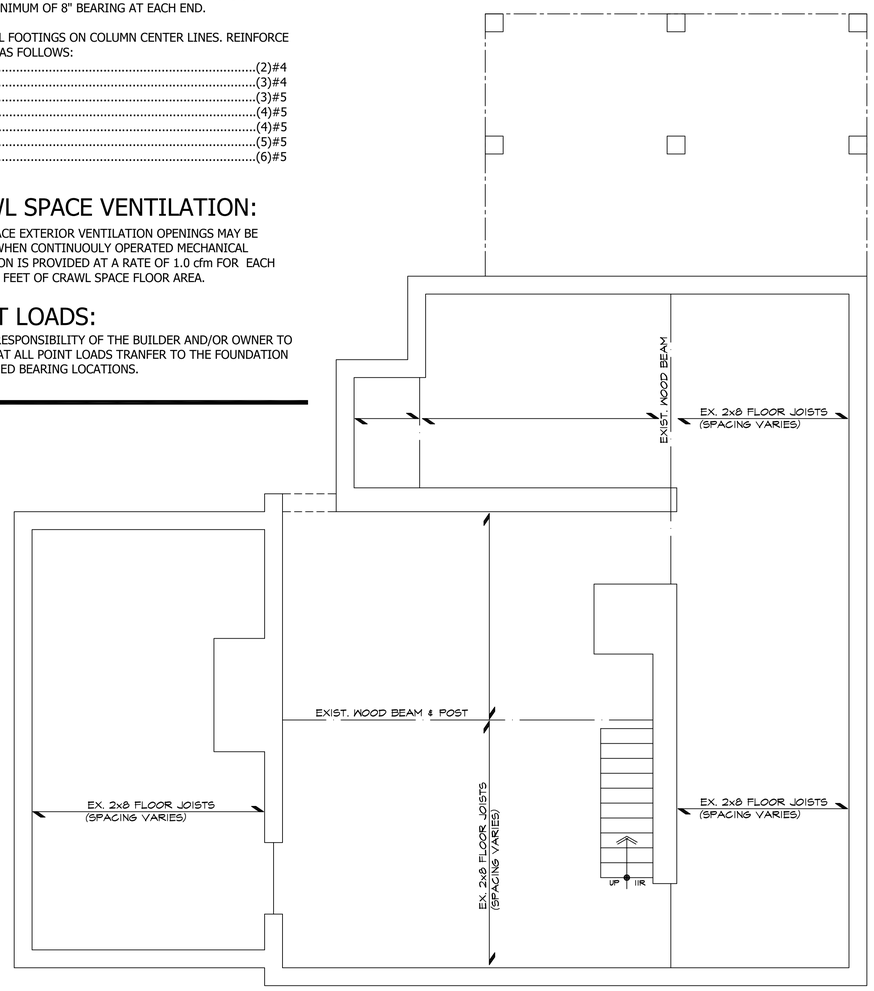
IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES



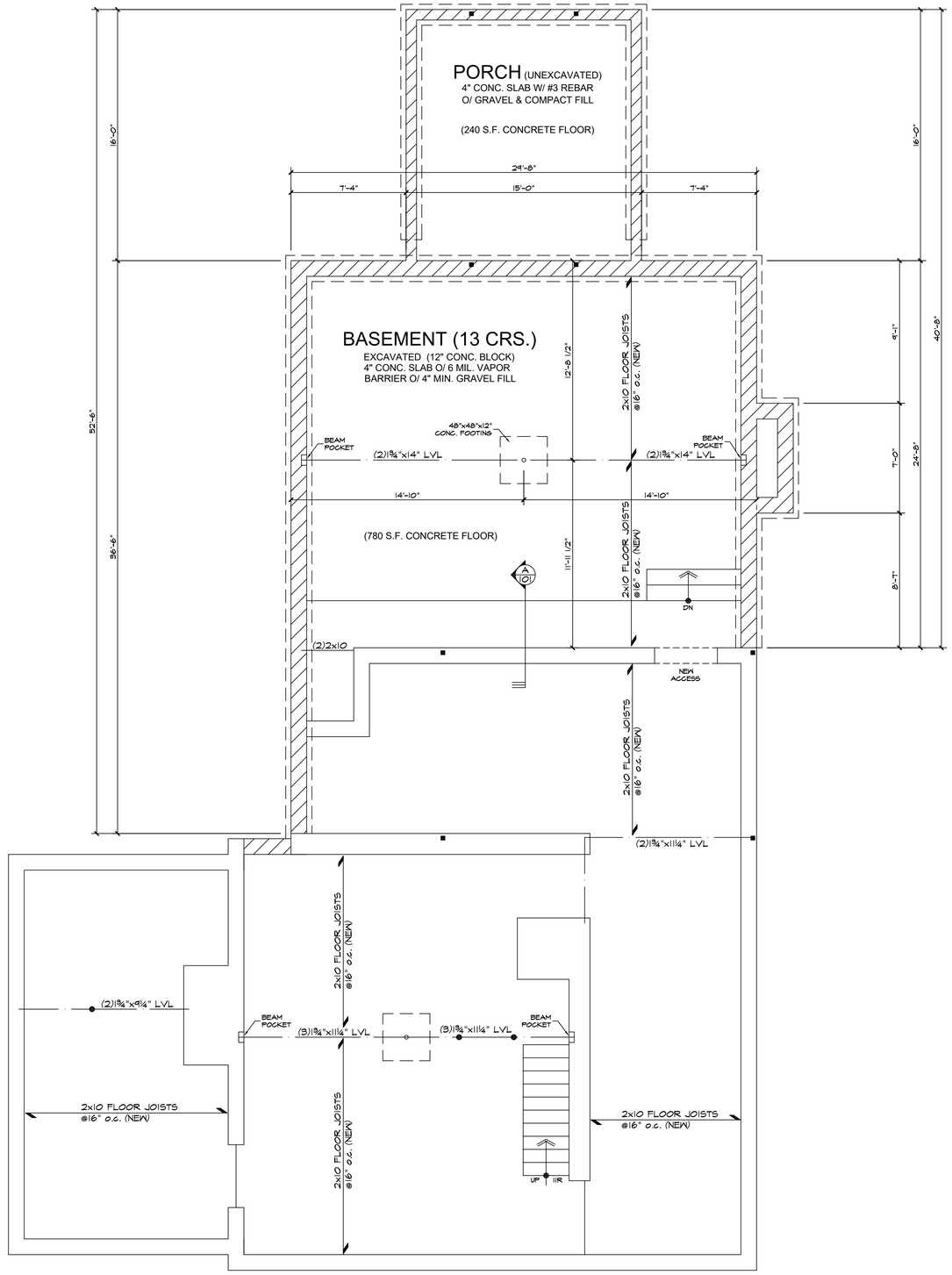
DROP FOOTER DETAIL

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



FOUNDATION PLAN - EXISTING

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



FOUNDATION PLAN

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

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FOUNDATION PLAN

DATE
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A101

FIRST FLOOR NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-ALL WALLS ARE DIMENSIONED STUD-TO-STUD.

-ALL INTERIOR WALLS ARE 3 1/2", EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED.

-ALL ANGLED WALLS ARE 45° UNLESS OTHERWISE NOTED.

-SEE PLANS FOR HEADERS IN ALL OPENINGS FOR EXTERIOR AND LOAD BEARING WALLS.

-ALL FLOOR JOISTS SHALL BE CROWNED BEFORE PLACEMENT.

-ALL POSTS (■) SHALL BE A MINIMUM OF (3)2x4's OR (2)2x6's UNLESS NOTED OTHERWISE & DEPENDENT ON WALL THICKNESS

-POINT LOADS ARE REPRESENTED BY (●)

FIREPLACES:

ALL CHIMNEYS AND FIREPLACES SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF 2013 RCO 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 PRE-FAB FIREPLACES WITH THE ACTUAL UNIT TO BE INSTALLED, PRIOR TO FRAMING.

WINDOWS:

ALL WINDOWS AND SIZES ARE DRAWN NOMINAL INCHES.

WINDOWS WITHIN 60" OF STANDING OR WALKING SURFACE OF A TUB, SHOWER, HOT TUB OR WHIRLPOOL MUST BE TEMPERED.

WINDOWS WITH SILLS LOWER THAN 18" MUST BE TEMPERED.

EGRESS REQUIREMENTS:
MAXIMUM SILL HEIGHT ABOVE FLOOR.....44"
MINIMUM NET CLEAR OPENING HEIGHT.....24"
MINIMUM NET CLEAR OPENING WIDTH.....20"
MINIMUM NET CLEAR OPENING SQUARE FEET.....5.7
MINIMUM NET CLEAR OPENING SQ. FT. GRADE LEVEL.....5.0
REMOVAL OF SASH MAY NOT BE USED TO OBTAIN CLEAR OPNG.

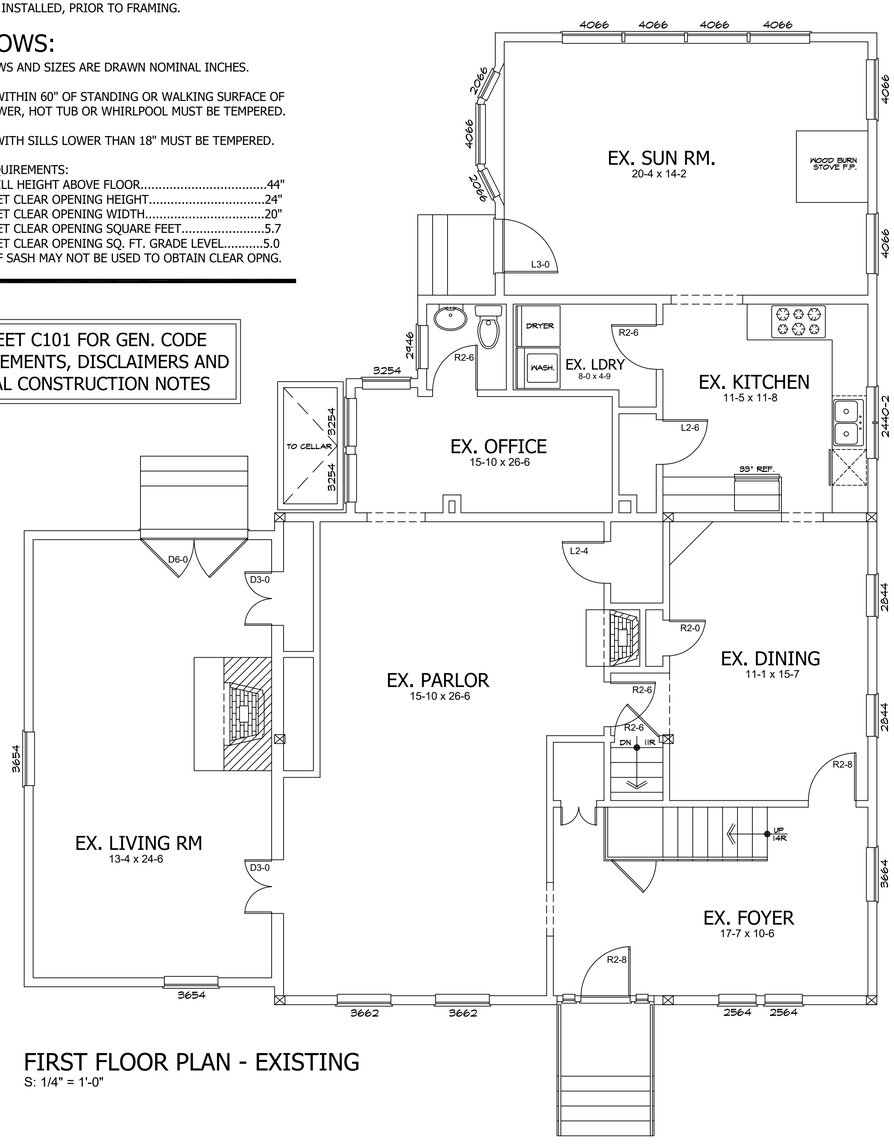
SMOKE & CARBON DETECTORS:

ALL SMOKE & CARBON DETECTORS SHALL BE HARDWIRED & INTERCONNECTED WITH A BATTERY BACK-UP. THEY SHALL BE INSTALLED IN EACH SLEEPING ROOM, OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS AND ON EACH ADDITIONAL STORY OF THE BUILDING PER RCO SECTIONS 314.3 AND 315.1.

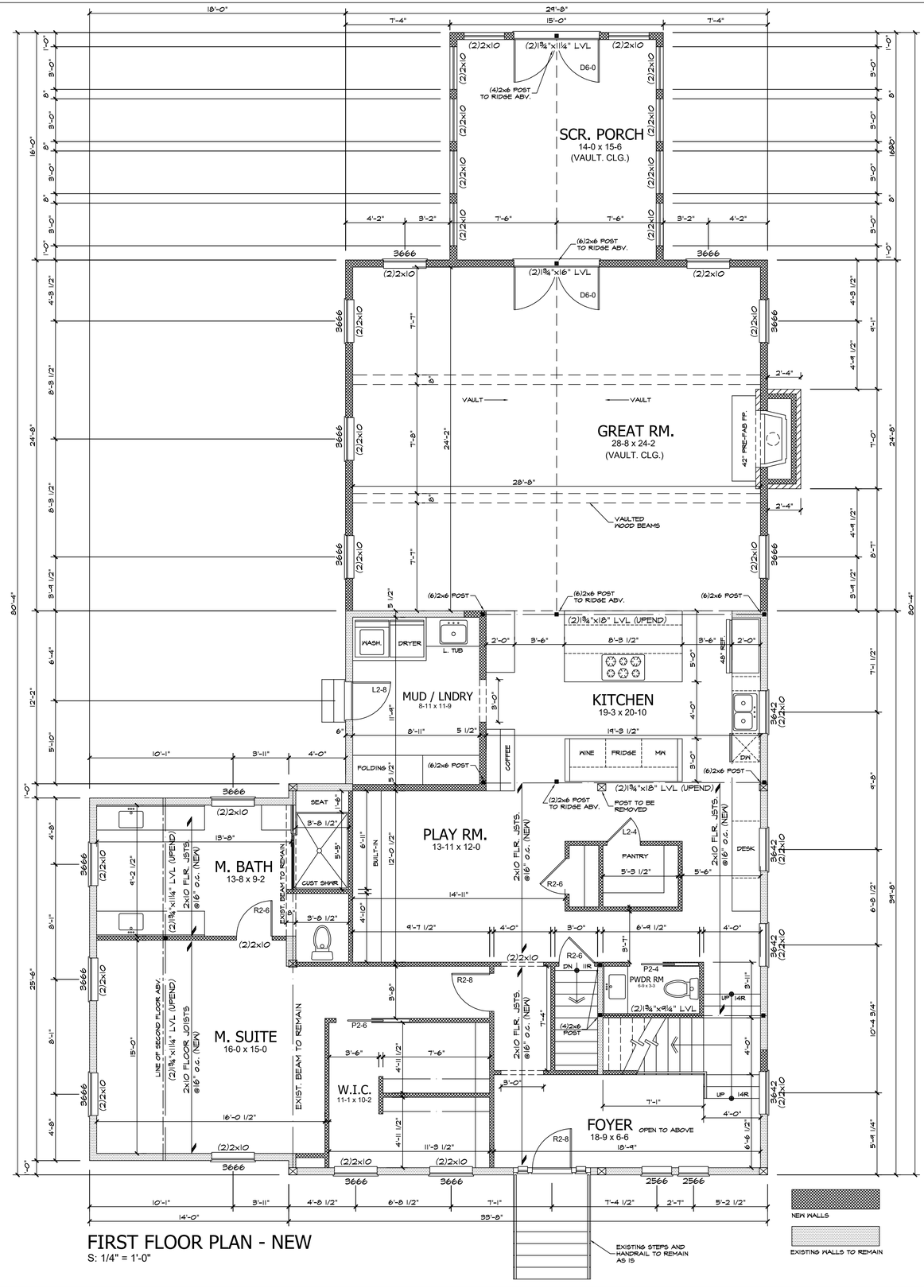
STAIR REQUIREMENTS:

MINI. STAIR WIDTH EXCLUDING WALL HANDRAIL.....3'-0"
MINIMUM TREAD DEPTH.....9"
MAXIMUM RISER HEIGHT.....8 1/4"
MAXIMUM VARIANCE IN RISER HEIGHT.....3/8"
MINIMUM NOSING PROJECTION.....1"
MINIMUM HEADROOM HEIGHT AT STAIR ANGLE.....6'-8"
MINIMUM / MAXIMUM HANDRAIL HEIGHT.....34" / 38"
MAXIMUM BALUSTER SPACING (CLEAR OPENING).....<4"
MINIMUM GUARDRAIL HEIGHT AT STAIRS.....34"
MINIMUM GUARDRAIL HEIGHT AT DECKS & BALCONIES.....36"
MAXIMUM HAND GRIP WIDTH.....2 1/4"
MINIMUM DISTANCE BETWEEN WALL AND HANDRAIL.....1 1/2"

SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES



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



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

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FIRST FLOOR PLAN

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A102

SECOND FLOOR NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-ALL WALLS ARE DIMENSIONED STUD-TO-STUD.

-ALL INTERIOR WALLS ARE 3 1/2", EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED.

-ALL ANGLED WALLS ARE 45° UNLESS OTHERWISE NOTED.

-SEE PLANS FOR HEADERS IN ALL OPENINGS FOR EXTERIOR AND LOAD BEARING WALLS.

-ALL FLOOR JOISTS SHALL BE CROWNED BEFORE PLACEMENT.

-ALL POSTS (■) SHALL BE A MINIMUM OF (3)2x4's OR (2)2x6's UNLESS NOTED OTHERWISE & DEPENDENT ON WALL THICKNESS

-POINT LOADS ARE REPRESENTED BY (●)

FIREPLACES:

ALL CHIMNEYS AND FIREPLACES SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF 2013 RCO 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 PRE-FAB FIREPLACES WITH THE ACTUAL UNIT TO BE INSTALLED, PRIOR TO FRAMING.

WINDOWS:

ALL WINDOWS AND SIZES ARE DRAWN NOMINAL INCHES.

WINDOWS WITHIN 60" OF STANDING OR WALKING SURFACE OF A TUB, SHOWER, HOT TUB OR WHIRLPOOL MUST BE TEMPERED.

WINDOWS WITH SILLS LOWER THAN 18" MUST BE TEMPERED.

EGRESS REQUIREMENTS:
MAXIMUM SILL HEIGHT ABOVE FLOOR.....44"
MINIMUM NET CLEAR OPENING HEIGHT.....24"
MINIMUM NET CLEAR OPENING WIDTH.....20"
MINIMUM NET CLEAR OPENING SQUARE FEET.....5.7
MINIMUM NET CLEAR OPENING SQ. FT. GRADE LEVEL.....5.0
REMOVAL OF SASH MAY NOT BE USED TO OBTAIN CLEAR OPNG.

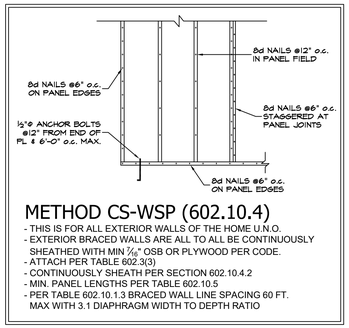
SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES

SMOKE & CARBON DETECTORS:

ALL SMOKE & CARBON DETECTORS SHALL BE HARDWIRED & INTERCONNECTED WITH A BATTERY BACK-UP. THEY SHALL BE INSTALLED IN EACH SLEEPING ROOM, OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS AND ON EACH ADDITIONAL STORY OF THE BUILDING PER RCO SECTIONS 314.3 AND 315.1.

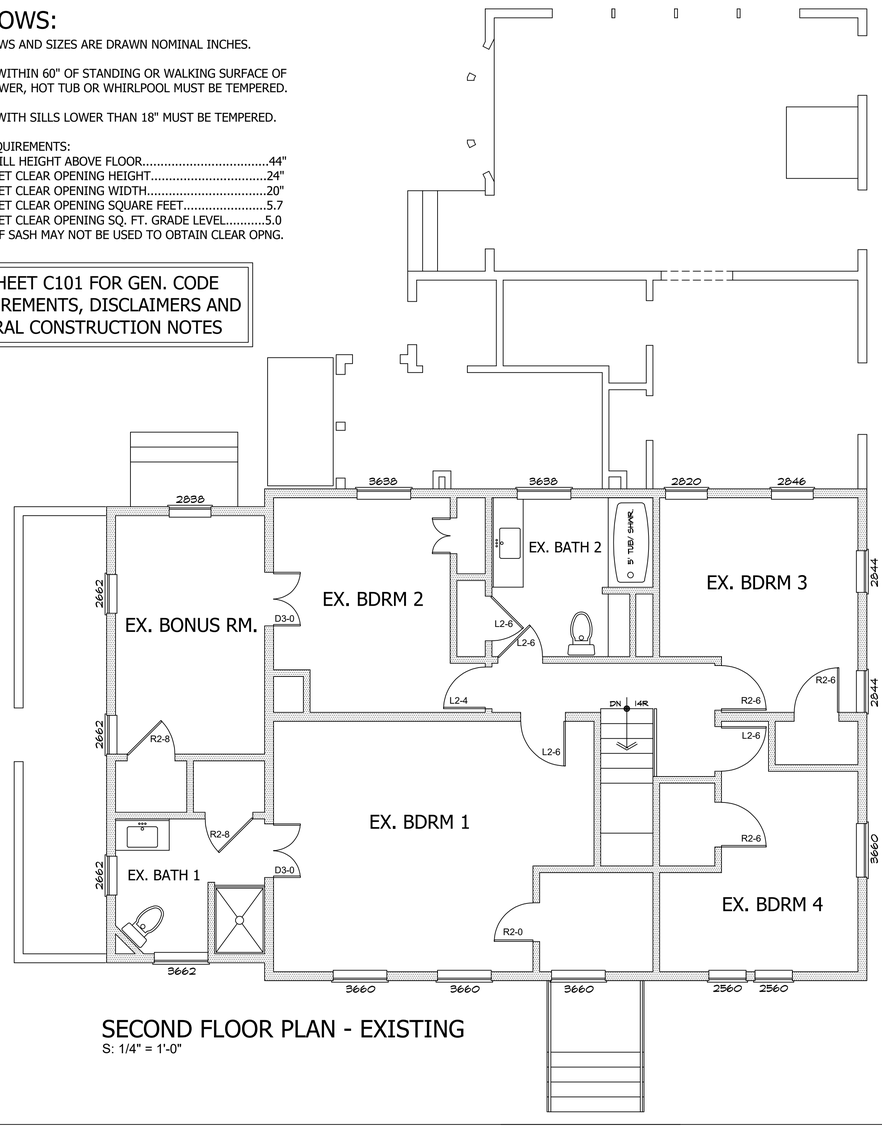
STAIR REQUIREMENTS:

MINI. STAIR WIDTH EXCLUDING WALL HANDRAIL.....3'-0"
MINIMUM TREAD DEPTH.....9"
MAXIMUM RISER HEIGHT.....8 1/4"
MAXIMUM VARIANCE IN RISER HEIGHT.....3/8"
MINIMUM NOSING PROJECTION.....1"
MINIMUM HEADROOM HEIGHT AT STAIR ANGLE.....6'-8"
MINIMUM / MAXIMUM HANDRAIL HEIGHT.....34" / 38"
MAXIMUM BALUSTER SPACING (CLEAR OPENING).....<4"
MINIMUM GUARDRAIL HEIGHT AT STAIRS.....34"
MINIMUM GUARDRAIL HEIGHT AT DECKS & BALCONIES.....36"
MAXIMUM HAND GRIP WIDTH.....2 1/4"
MINIMUM DISTANCE BETWEEN WALL AND HANDRAIL.....1 1/2"



METHOD CS-WSP (602.10.4)
- THIS IS FOR ALL EXTERIOR WALLS OF THE HOME U.N.O.
- EXTERIOR BRACED WALLS ARE ALL TO ALL BE CONTINUOUSLY SHEATHED WITH MIN 7/16" OSB OR PLYWOOD PER CODE.
- ATTACH PER TABLE 602.3(3)
- CONTINUOUSLY SHEATH PER SECTION 602.10.4.2
- MIN. PANEL LENGTHS PER TABLE 602.10.5
- PER TABLE 602.10.1.3 BRACED WALL LINE SPACING 60 FT. MAX WITH 3.1 DIAPHRAGM WIDTH TO DEPTH RATIO

BRACED WALL PANELS (NOT TO SCALE)



SECOND FLOOR PLAN - EXISTING
S: 1/4" = 1'-0"

SECOND FLOOR PLAN - NEW
S: 1/4" = 1'-0"

J KAPELA DESIGN & CONSTRUCTION
RESIDENTIAL ARCHITECTURE | INTERIOR DESIGN | CONSTRUCTION

CONTACT:
J. KAPELA DESIGNS & CONST.
4302 John Avenue
Cleveland, Ohio 44113
216-465-2123
www.jkapela.com

FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE
172 AURORA STREET
HUDSON, OH 44236

SECOND FLOOR PLAN

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

A103

ROOF NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

SHINGLES:

ROOF SHINGLES SHALL BE APPLIED OVER A MINIMUM OF ONE PLY OF #15 FELT. FELT SHALL BE LAID PARALLEL TO THE EAVES, WITH A 2" TOP LAP AND 4" END LAP. MINIMUM ROOF SLOPE NO LESS THAN 1/4" / FT. ICE GUARD AND WATERSHIELD AT ALL EAVES AND VALLEYS. ICE GUARD SHALL BE INSTALLED A MINIMUM OF 24" MEASURED FROM THE INSIDE OF THE EXTERIOR WALL PER RCO SECTION 905.2.7.2.

ATTICS:

ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS VENTILATION WITH THE NET FREE VENTILATING AREA NOT LESS THAN 1/300 OF THE AREA TO BE VENTILATED. ALL OPENINGS SHALL BE PROTECTED AGAINST THE ENTRANCE OF SNOW AND RAIN.

SHEATHING:

EXTERIOR WALLS & ROOF SHALL BE CONTINUOUSLY SHEATHED WITH MIN. 7/16" OSB OR PLYWOOD PER SECTION R602.10. NAILED W/ 8d NAILS AT 6" o.c. AT ALL PANEL EDGES AND 12" o.c. AT INTERMEDIATE SUPPORTS

TRUSSES:

ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER WITH DETAILED DRAWINGS DESCRIBING TRUSS LAYOUTS AND LOAD CALCULATIONS USED TO DESIGN THE TRUSSES. IT IS THE BUILDER AND/OR OWNERS RESPONSIBILITY TO SUPPLY ANY/OR ALL OF THIS INFORMATION IF REQUESTED BY THE BUILDING DEPARTMENT TO ISSUE BUILDING PERMITS. IT IS ALSO THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO VERIFY, AND IF NECESSARY, ADJUST THE SIZE OF OR ADD ANY BEAM OR HEADER THAT IS DIRECTLY EFFECTED OR REQUIRED TO CARRY THE ROOF LOADS. IN THIS EVENT, THE TRUSS MANUFACTURER SHALL CONTACT J. KAPELA DESIGNS, INC. IN ORDER TO UPDATE THE DRAWINGS.

OVER-LAY RAFTERS:

USE 2x4's @24" o.c. FOR SPANS UP TO.....6'-0"
USE 2x6's @24" o.c. FOR SPANS UP TO.....9'-0"
USE 2x8's @24" o.c. FOR SPANS UP TO.....12'-0"
USE 2x10's @24" o.c. FOR SPANS UP TO.....15'-0"

LIVE LOADS:

IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANSFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

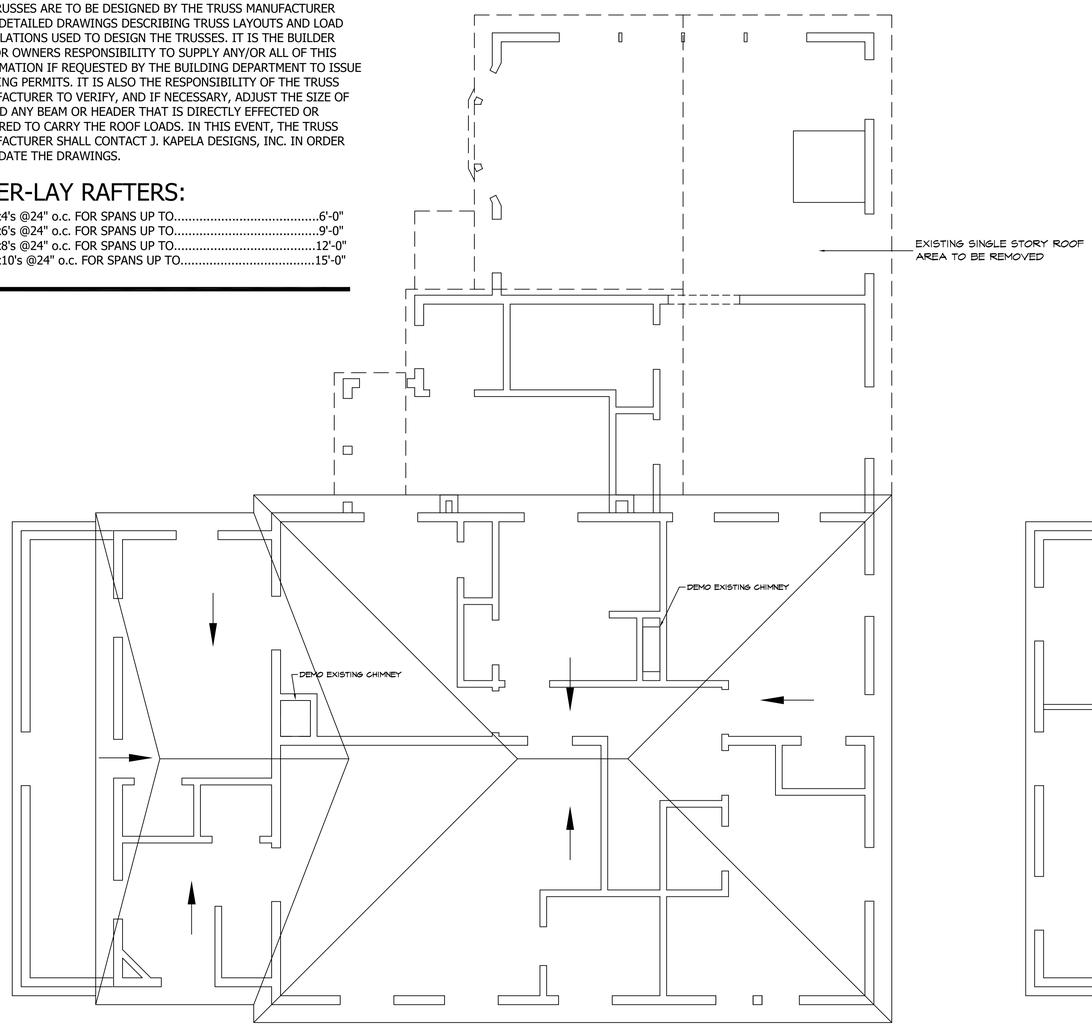
THIS STRUCTURE IS DESIGNED TO RESIST THE FOLLOWING LOADS:

ROOF/SNOW	25psf	ATTIC	20psf
FIRST FLOOR	40psf	SECOND FLOOR	40psf
BALCONIES	60psf	BASIC WIND SPEED	90mph

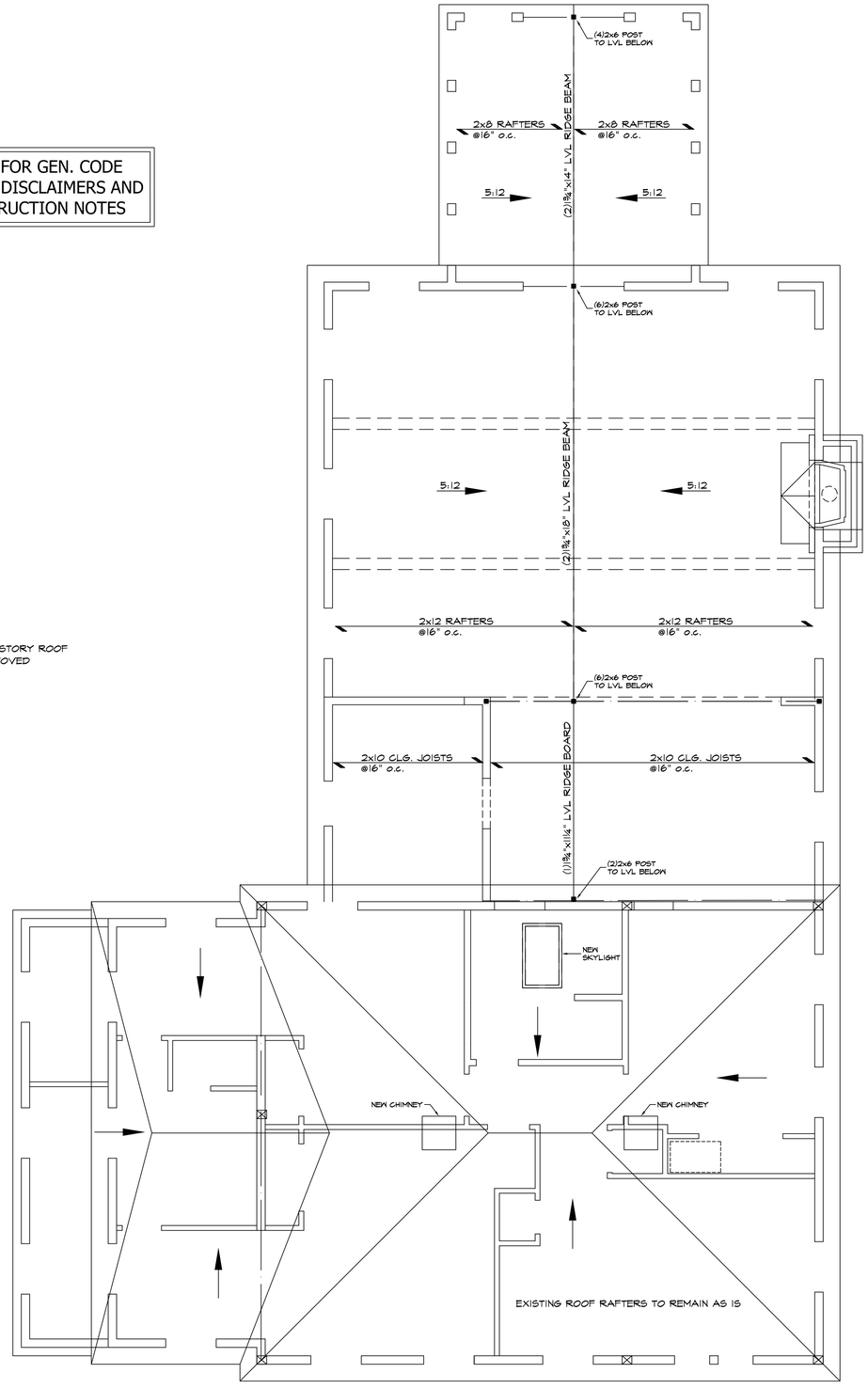
POINT LOADS:

IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES



ROOF PLAN - EXISTING
S: 1/4" = 1'-0"



ROOF PLAN - NEW
S: 1/4" = 1'-0"

J KAPELA DESIGN & CONSTRUCTION
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FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE
172 AURORA STREET
HUDSON, OH 44236

ROOF PLAN

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

A104

ELEVATION NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-GRADE SHALL HAVE A MINIMUM OF 6" FALL AWAY FROM THE STRUCTURE WITHIN THE FIRST 10' PER RCO SECTION 401.3.

-ALL CHIMNEYS SHALL EXTEND PAST ANY ROOF THAT IS WITHIN 10'-0" OF THE CHIMNEY BY A MINIMUM OF 2'-0".

-IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO CHOOSE ALL SIDING COLORS, TRIM SIZES AND ANY FALSE VENTS.

SHINGLES:

ROOF SHINGLES SHALL BE APPLIED OVER A MINIMUM OF ONE PLY OF #15 FELT. FELT SHALL BE LAID PARALLEL TO THE EAVES, WITH A 2" TOP LAP AND 4" END LAP. MINIMUM ROOF SLOPE NO LESS THAN 1/4" / FT. ICE GUARD AND WATERSHIELD AT ALL EAVES AND VALLEYS. ICE GUARD SHALL BE INSTALLED A MINIMUM OF 24" MEASURED FROM THE INSIDE OF THE EXTERIOR WALL PER RCO SECTION 905.2.7.2.

ATTICS:

ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS VENTILATION WITH THE NET FREE VENTILATING AREA NOT LESS THAN 1/300 OF THE AREA TO BE VENTILATED. ALL OPENINGS SHALL BE PROTECTED AGAINST THE ENTRANCE OF SNOW AND RAIN.

REFER TO ROOF PLAN SHEET FOR VENTING CALCULATIONS.

TRUSSES:

ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER WITH DETAILED DRAWINGS DESCRIBING TRUSS LAYOUTS AND LOAD CALCULATIONS USED TO DESIGN THE TRUSSES. IT IS THE BUILDER AND/OR OWNERS RESPONSIBILITY TO SUPPLY ANY/OR ALL OF THIS INFORMATION IF REQUESTED BY THE BUILDING DEPARTMENT TO ISSUE BUILDING PERMITS. IT IS ALSO THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO VERIFY, AND IF NECESSARY, ADJUST THE SIZE OF OR ADD ANY BEAM OR HEADER THAT IS DIRECTLY EFFECTED OR REQUIRED TO CARRY THE ROOF LOADS. IN THIS EVENT, THE TRUSS MANUFACTURER SHALL CONTACT J. KAPELA DESIGNS, INC. IN ORDER TO UPDATE THE DRAWINGS.

WINDOWS:

ALL WINDOWS AND SIZES ARE DRAWN NOMINAL INCHES.

WINDOWS WITHIN 36" HORIZONTIALLY & 60" VERTICALLY OF A TUB OR SHOWER MUST BE TEMPERED.

WINDOWS WITH SILLS LOWER THAN 18" MUST BE TEMPERED.

EGRESS REQUIREMENTS:
MAXIMUM SILL HEIGHT ABOVE FLOOR.....44"
MINIMUM NET CLEAR OPENING HEIGHT.....24"
MINIMUM NET CLEAR OPENING WIDTH.....20"
MINIMUM NET CLEAR OPENING SQUARE FEET.....5.7
MINIMUM NET CLEAR OPENING SQ. FT. GRADE LEVEL.....5.0
REMOVAL OF SASH MAY NOT BE USED TO OBTAIN CLEAR OPNG.

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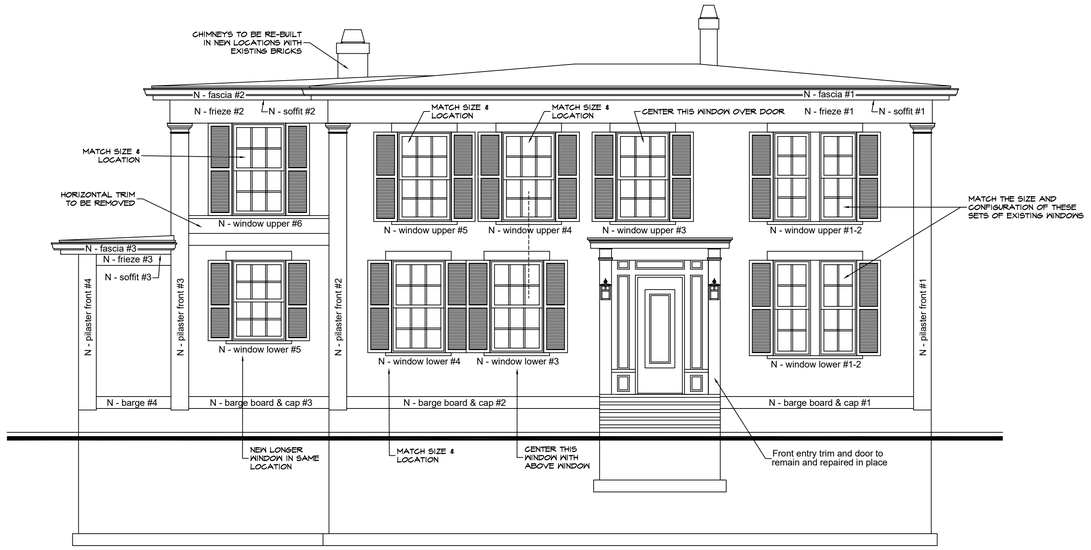
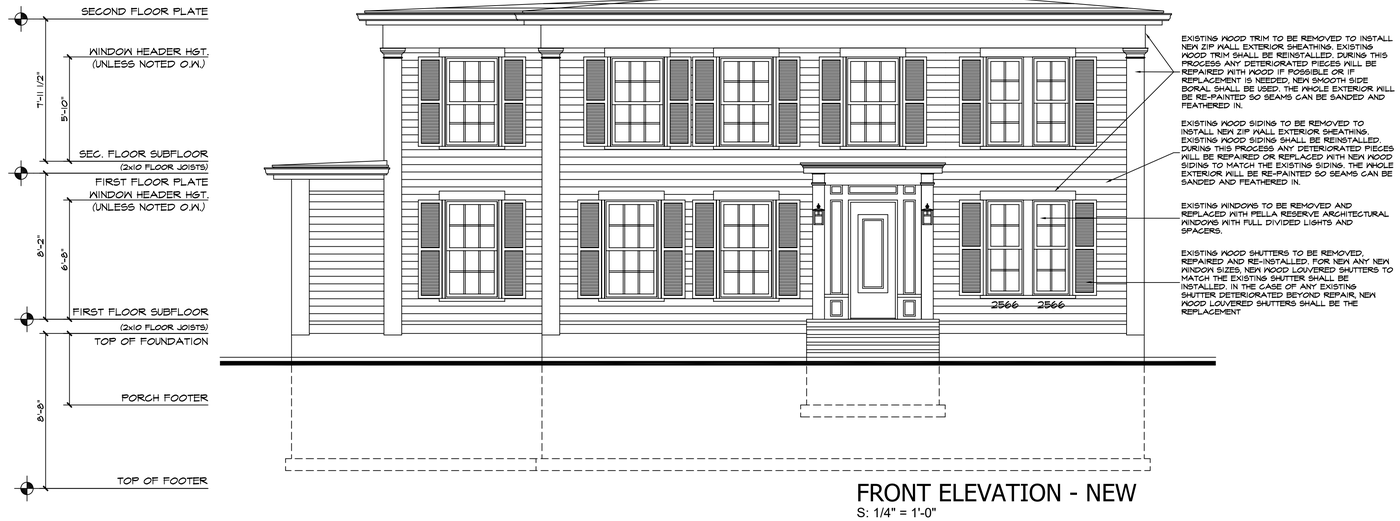


FRONT ELEVATION - EXIST.
S: 1/4" = 1'-0"



FRONT ELEVATION - NEW
S: 1/4" = 1'-0"

J KAPELA
DESIGN & CONSTRUCTION
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FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE
172 AURORA STREET
HUDSON, OH 44236

EXTERIOR ELEVATIONS

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

A201

ELEVATION NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

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SHINGLES:

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REFER TO ROOF PLAN SHEET FOR VENTING CALCULATIONS.

TRUSSES:

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EGRESS REQUIREMENTS:
MAXIMUM SILL HEIGHT ABOVE FLOOR.....44"
MINIMUM NET CLEAR OPENING HEIGHT.....24"
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MINIMUM NET CLEAR OPENING SQ. FT. GRADE LEVEL.....5.0
REMOVAL OF SASH MAY NOT BE USED TO OBTAIN CLEAR OPNG.

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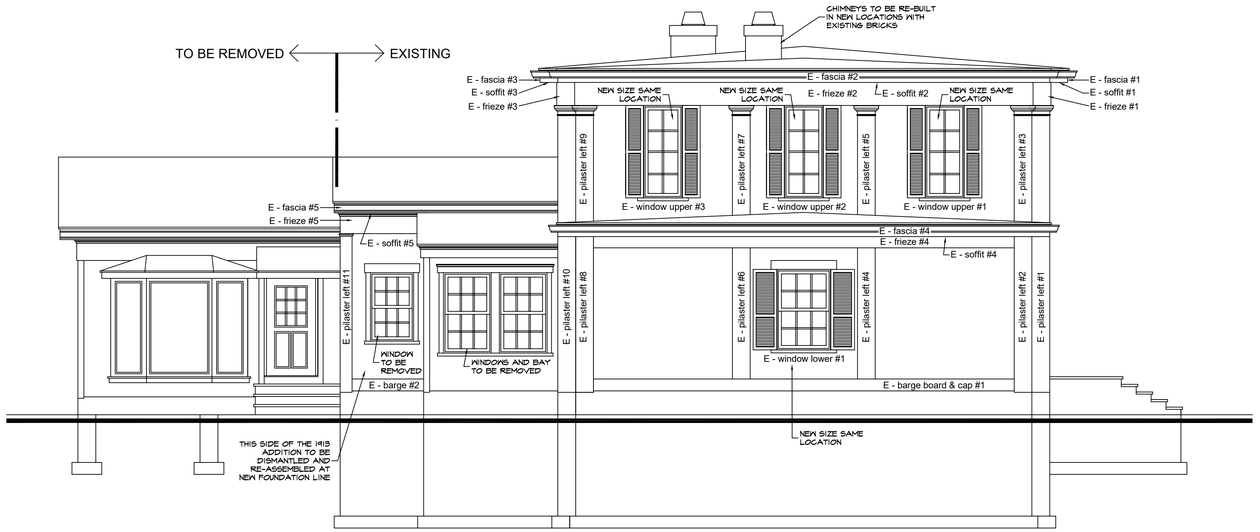
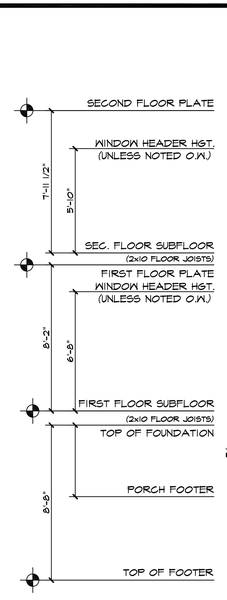
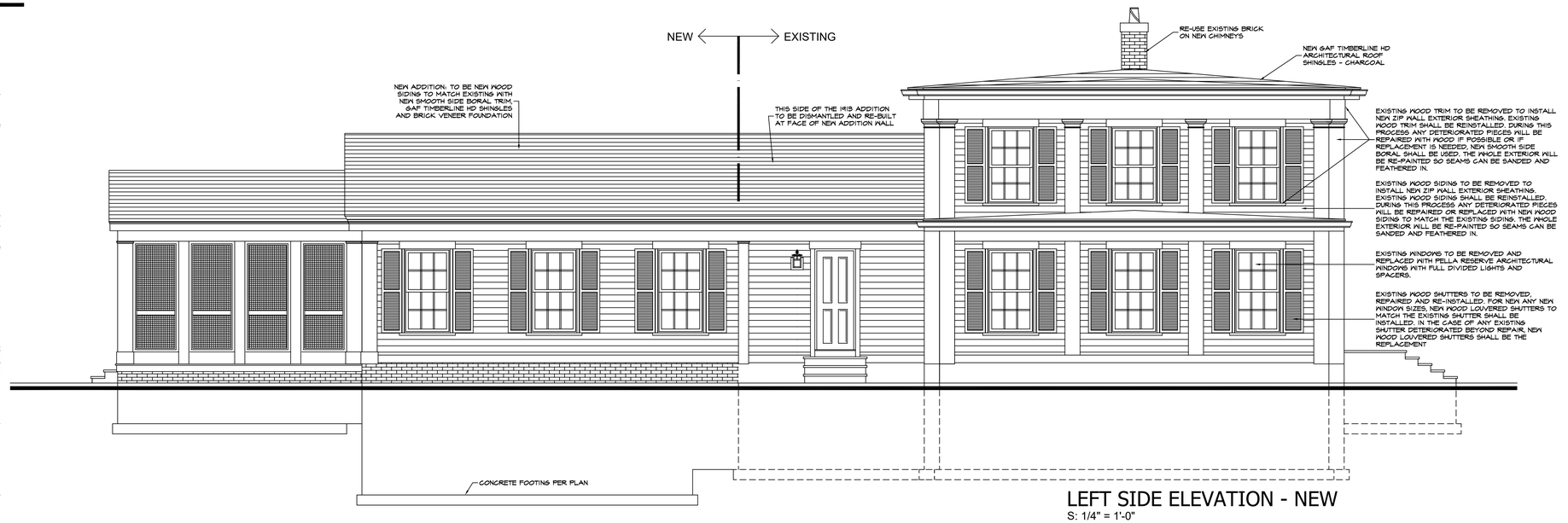


LEFT SIDE ELEVATION - EXIST.
S: 1/4" = 1'-0"





LEFT SIDE ELEVATION - NEW
S: 1/4" = 1'-0"

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FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE
172 AURORA STREET
HUDSON, OH 44236

EXTERIOR ELEVATIONS

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

A202

ELEVATION NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-GRADE SHALL HAVE A MINIMUM OF 6" FALL AWAY FROM THE STRUCTURE WITHIN THE FIRST 10' PER RCO SECTION 401.3.

-ALL CHIMNEYS SHALL EXTEND PAST ANY ROOF THAT IS WITHIN 10'-0" OF THE CHIMNEY BY A MINIMUM OF 2'-0".

-IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO CHOOSE ALL SIDING COLORS, TRIM SIZES AND ANY FALSE VENTS.

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ATTICS:

ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS VENTILATION WITH THE NET FREE VENTILATING AREA NOT LESS THAN 1/300 OF THE AREA TO BE VENTILATED. ALL OPENINGS SHALL BE PROTECTED AGAINST THE ENTRANCE OF SNOW AND RAIN.

REFER TO ROOF PLAN SHEET FOR VENTING CALCULATIONS.

TRUSSES:

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WINDOWS:

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WINDOWS WITHIN 36" HORIZONTIALLY & 60" VERTICALLY OF A TUB OR SHOWER MUST BE TEMPERED.

WINDOWS WITH SILLS LOWER THAN 18" MUST BE TEMPERED.

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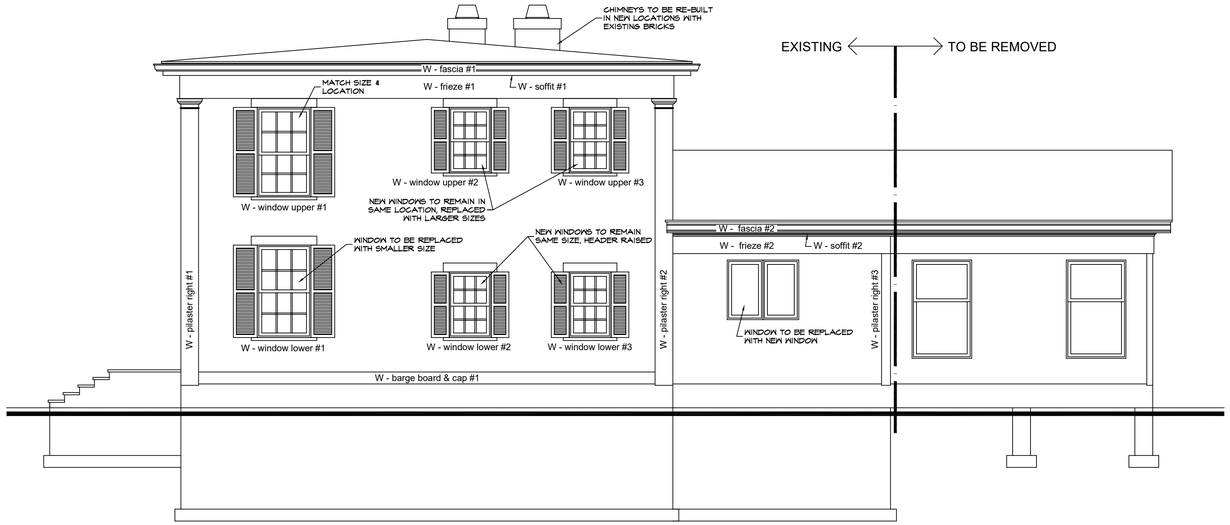
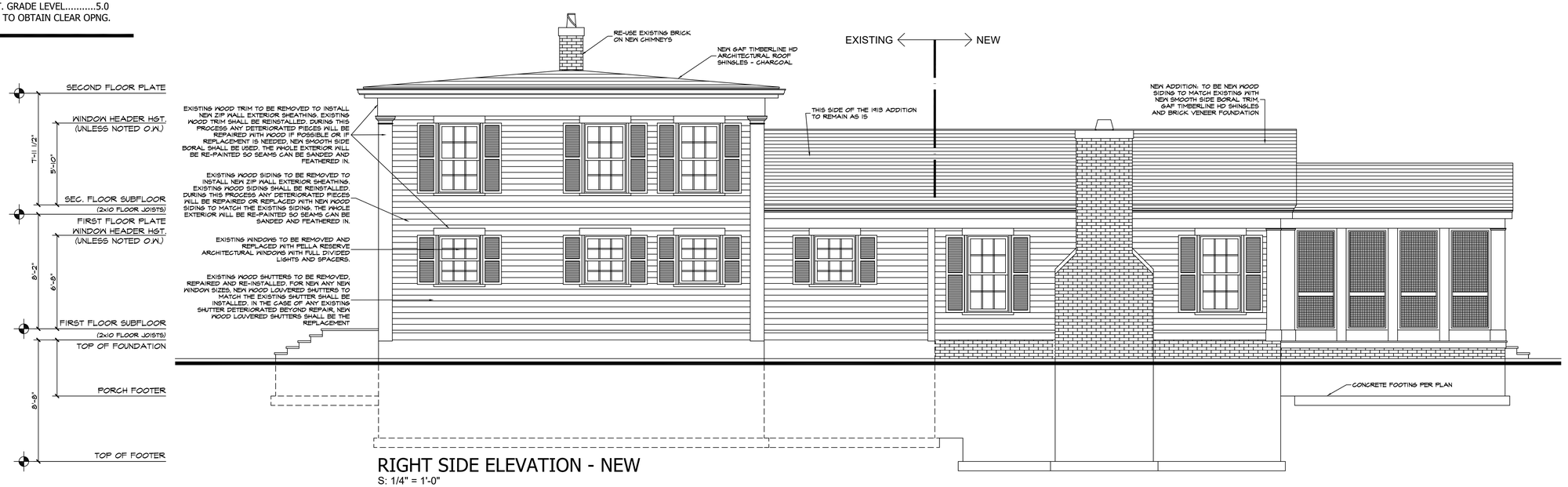


RIGHT SIDE ELEVATION - EXIST.
S: 1/4" = 1'-0"



RIGHT SIDE ELEVATION - NEW
S: 1/4" = 1'-0"

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EXTERIOR ELEVATIONS

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

A203

ELEVATION NOTES

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REFER TO ROOF PLAN SHEET FOR VENTING CALCULATIONS.

TRUSSES:

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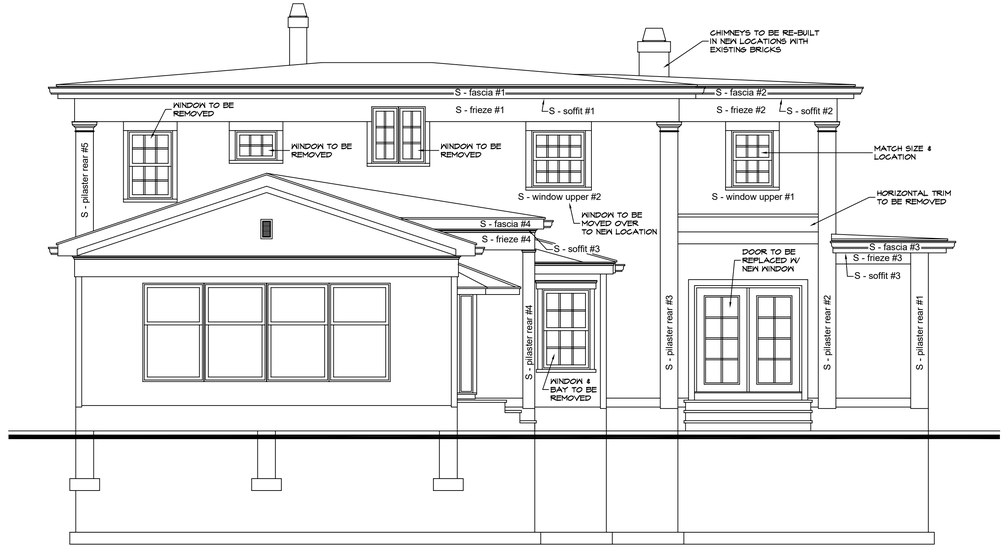
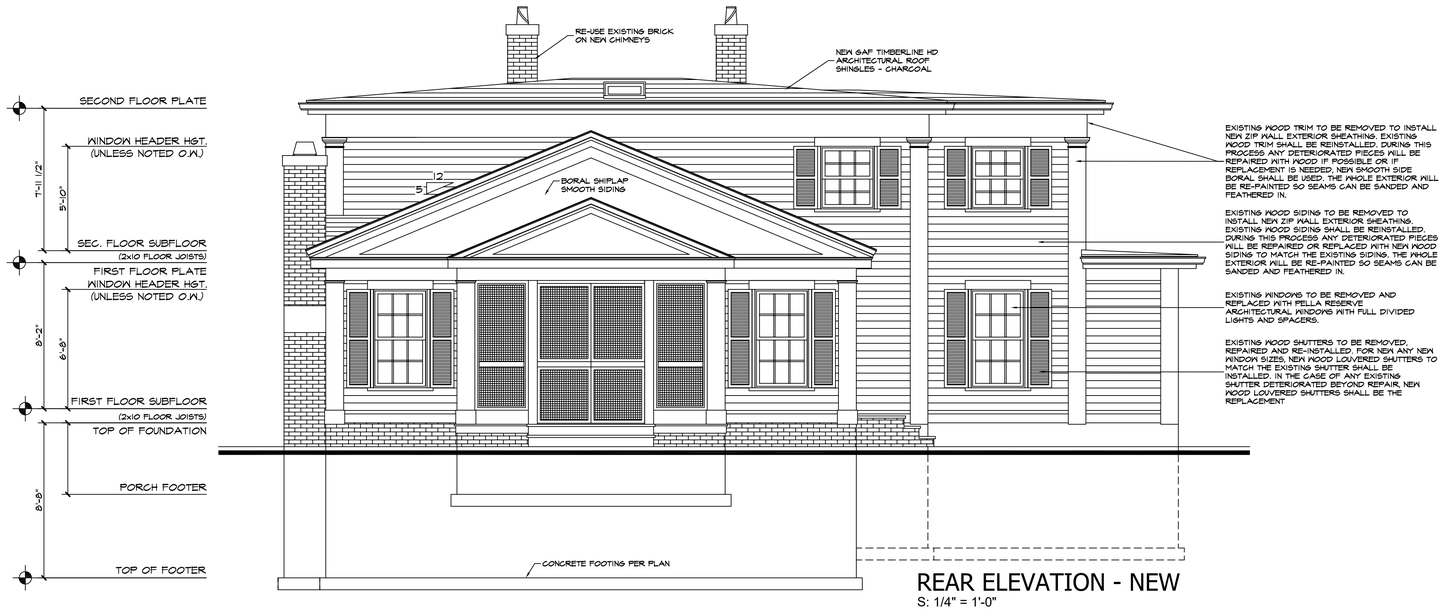


REAR ELEVATION - EXIST.
S: 1/4" = 1'-0"



REAR ELEVATION - NEW
S: 1/4" = 1'-0"

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FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE
172 AURORA STREET
HUDSON, OH 44236

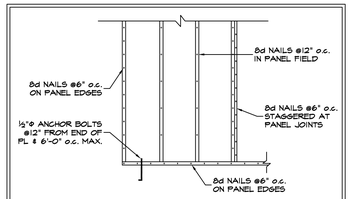
EXTERIOR ELEVATIONS

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

A204



METHOD CS-WSP (602.10.4)

- THIS IS FOR ALL EXTERIOR WALLS OF THE HOME U.N.O.
- EXTERIOR BRACED WALLS ARE ALL TO ALL BE CONTINUOUSLY SHEATHED WITH MIN 7/16" OSB OR PLYWOOD PER CODE.
- ATTACH PER TABLE 602.3(3)
- CONTINUOUSLY SHEATH PER SECTION 602.10.4.2
- MIN. PANEL LENGTHS PER TABLE 602.10.5
- PER TABLE 602.10.1.3 BRACED WALL LINE SPACING 60 FT. MAX WITH 3.1 DIAPHRAGM WIDTH TO DEPTH RATIO

METHOD GB (602.10.4)

- THIS IS ONLY FOR INTERIOR WALLS OF THE HOME THAT ARE SPECIFICALLY CALLED OUT ON THE PLANS WITH "GB WALL"
- INTERIOR BRACED WALL PANELS WITH GYPSUM WALL BOARD FASTENED ON BOTH SIDES PER CODE
- ½" GYPSUM BOARD WITH 7" o.c. FIELD AND EDGE NAILING PER TABLE 702.3.5
- MIN. 48" LENGTHS OF PANELS PER TABLE 602.10.4

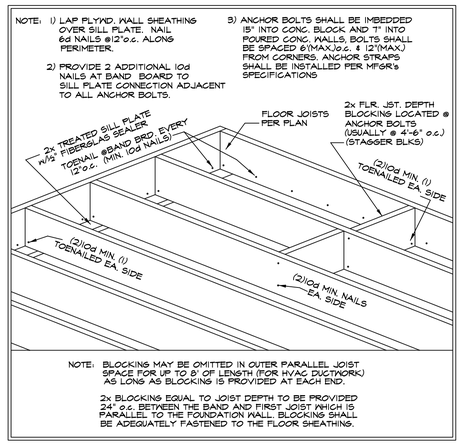
BRACED WALL PANELS

SCALE: N.T.S.

NOTE: 1) LAP PLYWD. WALL SHEATHING OVER SILL PLATE. NAIL 6d NAILS @12"o.c. ALONG PERIMETER.

2) PROVIDE 2 ADDITIONAL 10d NAILS AT BAND BOARD TO SILL PLATE CONNECTION ADJACENT TO ALL ANCHOR BOLTS.

3) ANCHOR BOLTS SHALL BE IMBEDDED 15" INTO CONC. BLOCK AND 7" INTO POURED CONC. WALLS. BOLTS SHALL BE SPACED 6'(MAX.)o.c. & 12"(MAX.) FROM CORNERS. ANCHOR STRAPS SHALL BE INSTALLED PER MFGR's SPECIFICATIONS.



NOTE: BLOCKING MAY BE OMITTED IN OUTER PARALLEL JOIST SPACE FOR UP TO 8' OF LENGTH (FOR HVAC DUCTWORK) AS LONG AS BLOCKING IS PROVIDED AT EACH END.

2x BLOCKING EQUAL TO JOIST DEPTH TO BE PROVIDED 24" o.c. BETWEEN THE BAND AND FIRST JOIST WHICH IS PARALLEL TO THE FOUNDATION WALL. BLOCKINGS SHALL BE ADEQUATELY FASTENED TO THE FLOOR SHEATHING.

FLOOR JOIST BLOCKING DETAIL

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

SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES

ROOF

-2x RAFTERS PER PLAN @ 16" o.c.
-CONTINUOUS RIDGE VENT
-SEAL-TAB ROOF SHINGLES
-SYNTHETIC ROOF FELT
-7/16" OSB SHEATHING W/ CLIPS
-ICE GUARD & WATERSHIELD @ ALL EAVES & VALLEYS
-R-38 BATT INSULATION W/ BAFFLES AT SOFFIT
-PROVIDE TRUSS TIE DOWN AT CEILING
-5/8" DRYWALL AT CEILING

SOFFIT

-5" ALUMINUM GUTTER
-BORAL FASCIA W/ 2x6 SUB-FASCIA
-FULLY PERFORATED HARDIE SOFFIT
-BORAL FRIEZE (PER ELEVATION)

EXTERIOR WALL

-CEDAR LAP SIDING
-VAPOR BARRIER
-2x6 FRAMING @ 16" o.c.
-7/16" OSB SHEATHING
-R-19 BATT INSULATION
-1/2" DRYWALL ON INTERIOR

FLOORS

-3/4" T&G OSB - GLUED & NAILED
-WOOD BASE TRIM
-2x10 FLOOR JOISTS @ 16" o.c.
-CONTINUOUS X-BRIDGING @ @ 8'-0" o.c. (MAX.)
-R-19 UNFACED BATT INSULATION ALONG RIM JOISTS

FOUNDATION

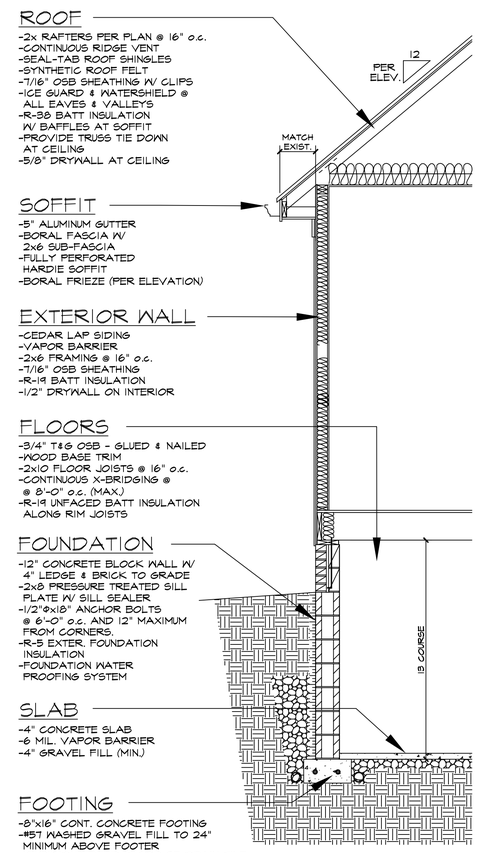
-12" CONCRETE BLOCK WALL W/ 4" LEDGE & BRICK TO GRADE
-2x8 PRESSURE TREATED SILL PLATE W/ SILL SEALER
-1/2"ø x18" ANCHOR BOLTS @ 6'-0" o.c. AND 12" MAXIMUM FROM CORNERS.
-R-5 EXTER. FOUNDATION INSULATION
-FOUNDATION WATER PROOFING SYSTEM

SLAB

-4" CONCRETE SLAB
-6 MIL. VAPOR BARRIER
-4" GRAVEL FILL (MIN.)

FOOTING

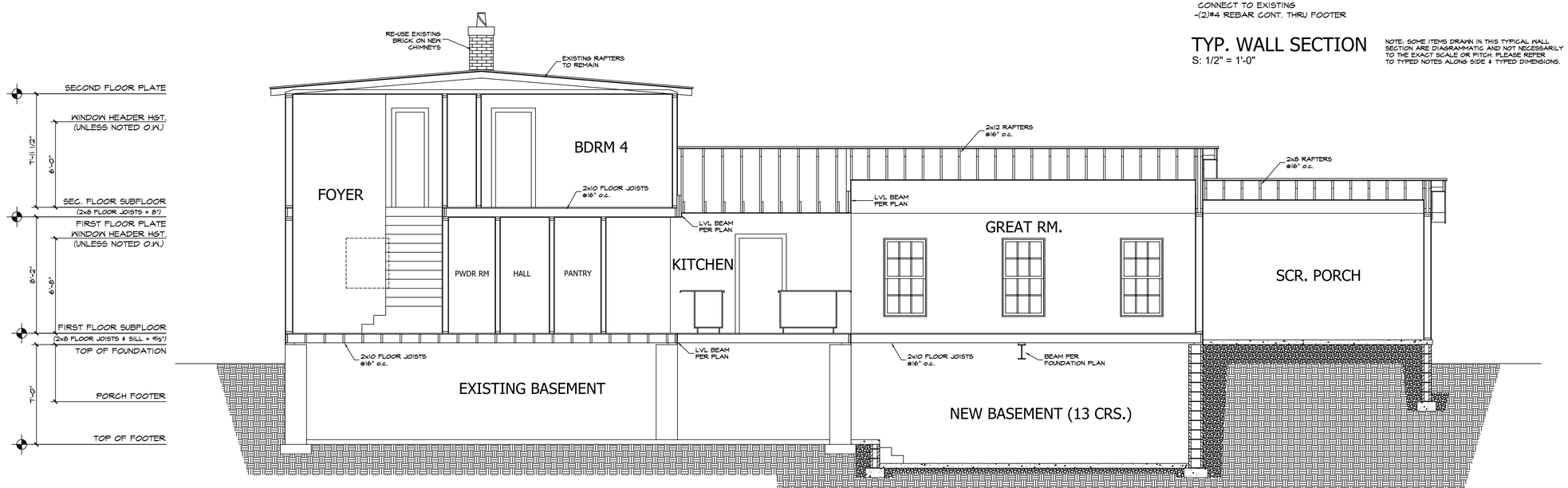
-8"x16" CONT. CONCRETE FOOTING
-#57 WASHED GRAVEL FILL TO 24" MINIMUM ABOVE FOOTER
-4" RIGID PERF. PVC SDR-35 DRAIN TILE CONNECT TO EXISTING
-(2)#4 REBAR CONT. THRU FOOTER



TYP. WALL SECTION

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

NOTE: SOME ITEMS DRAWN IN THIS TYPICAL WALL SECTION ARE DIAGRAMMATIC AND NOT NECESSARILY TO THE EXACT SCALE OR PITCH. PLEASE REFER TO TYPED NOTES ALONG SIDE & TYPED DIMENSIONS.



A301

BUILDING SECTION - A

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

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TYP. WALL SECTION & DETAILS

DATE
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A301

MECHANICAL NOTES

RECEPTACLE LOCATIONS:

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GFCI LOCATIONS:

PER NEC SECTION 210.8 - ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, ACCESSORY BUILDINGS, EXTERIOR WALLS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHENS ABOVE COUNTER TOP HEIGHT, BOAT HOUSES, AND ANY ROOM WITH A SINK WHERE THE OUTLET IS WITHIN SIX FEET OF THE SINK SHALL BE GROUND-FAULT CIRCUIT INTERRUPTER TYPE.

AFCI LOCATIONS:

PER NEC SECTION 210.12 - ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN ANY ROOM, CLOSET, HALLWAY, CEILING, ETC. OF THE HOUSE SHALL BE ARC-FAULT CIRCUIT INTERRUPTER TYPE EXCEPT WHERE GFCI LOCATIONS SUPERCEDE LISTED IN THE NOTE ABOVE PER NEC SECTION 210.8.

SMOKE & CARBON DETECTORS:

ALL SMOKE & CARBON DETECTORS SHALL BE HARDWIRED & INTERCONNECTED WITH A BATTERY BACK-UP. THEY SHALL BE INSTALLED IN EACH SLEEPING ROOM, OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS AND ON EACH ADDITIONAL STORY OF THE BUILDING PER RCO SECTIONS 314.3 AND 315.1.

BATH FANS / VENTS

ALL BATHROOM EXHAUST FANS SHALL VENT TO THE EXTERIOR AND HAVE A TERMINATION CAP INSTALLED PER RCO SECTION 303.3 EXCEPTION AND 303.5.

DISCLAIMER:

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ELECTRIC SYMBOLS

- $ — SINGLE POLE SWITCH
- $3 — 3 WAY SWITCH
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- — 110V DUPLEX RECEPTICAL
- — SWITCH PLUG
- — SPECIAL OUTLET
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- WP — WEATHERPROOF
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- — WALL LIGHT
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PLAN DESIGN & CONSTRUCTION CRITERIA
BASED ON THE FOLLOWING CODES:
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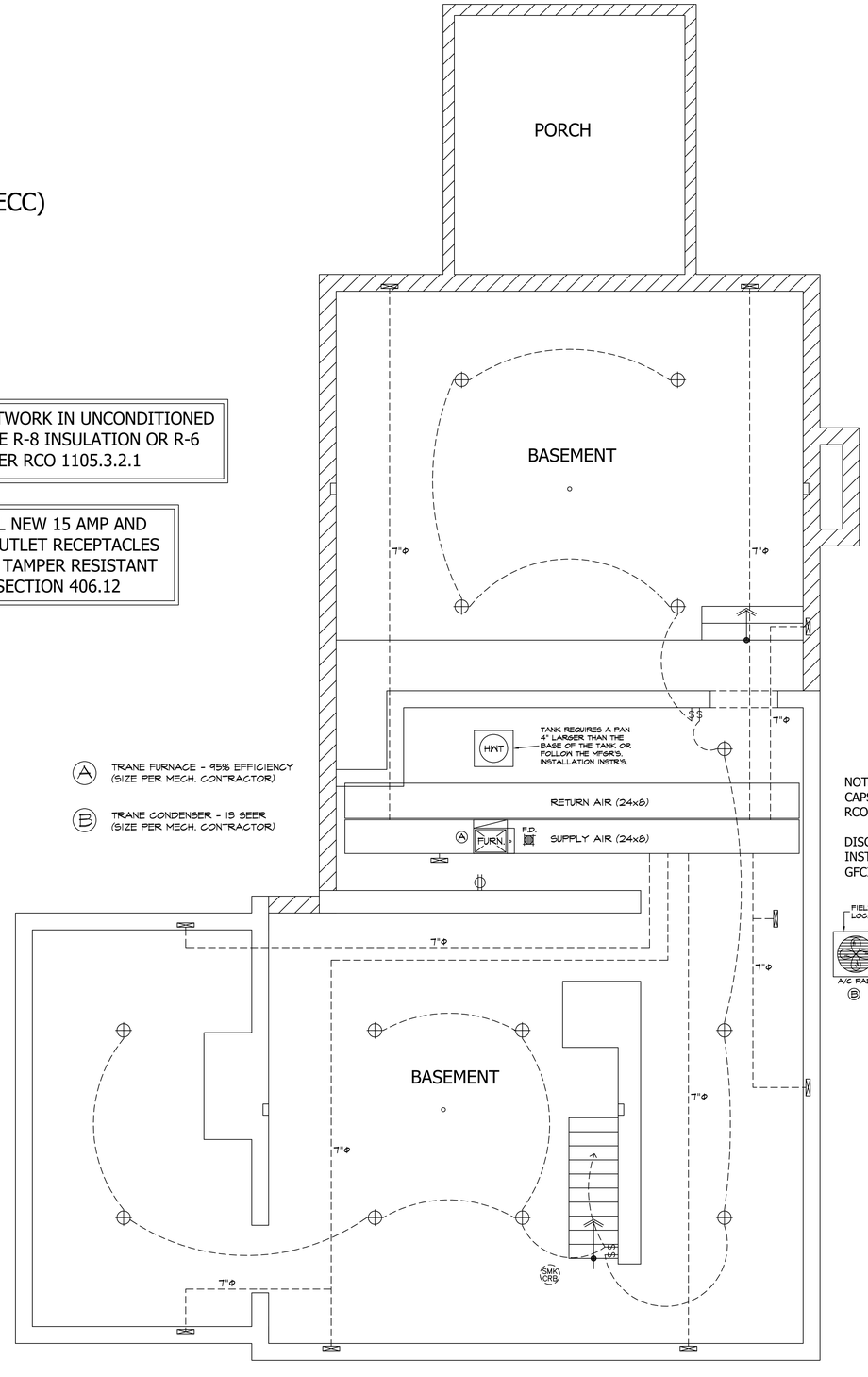
2017 Ohio Mechanical Code (OMC)
2017 Ohio Plumbing Code (OPC)
2017 International Energy Conservation Code (IECC)

NOTE: ALL DUCTWORK IN UNCONDITIONED SPACES TO HAVE R-8 INSULATION OR R-6 FOR EXHAUST PER RCO 1105.3.2.1

NOTE: ALL NEW 15 AMP AND 20 AMP OUTLET RECEPTACLES SHALL BE TAMPER RESISTANT PER NEC SECTION 406.12



A — TRANE FURNACE - 95% EFFICIENCY (SIZE PER MECH. CONTRACTOR)

B — TRANE CONDENSER - 13 SEER (SIZE PER MECH. CONTRACTOR)

NOTE: LOCKING ACCESS PORT CAPS SHALL BE INSTALLED PER RCO SECTION 1411.6

DISCONNECT & OUTLET SHALL BE INSTALLED WITHIN 25' AND BE GFCI PROTECTED T/R OUTLET

BASEMENT MECHANICAL

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

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DATE
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JOB # 2023-45

M101

MECHANICAL NOTES

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- — SPECIAL OUTLET
- — TELEPHONE OUTLET
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- GFI — GROUND FAULT CIRCUIT INTERRUPTER
- WP — WEATHERPROOF
- — JUNCTION BOX
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- — WALL LIGHT
- — CEILING OUTLET (RECESSED FIXTURE)
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PLAN DESIGN & CONSTRUCTION CRITERIA BASED ON THE FOLLOWING CODES:

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2017 National Electric Code (NEC)
2017 Ohio Mechanical Code (OMC)
2017 Ohio Plumbing Code (OPC)
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NOTE: OHIO LICENSED ELECTRICIAN IS REQUIRED TO INSTALL ALL ELECTRICAL ITEMS AS FOLLOWS PER THE NEC:

NEC 210.52(G)(1) REQUIRES A GFCI OUTLET FOR EACH CAR SPACE

NEC 210.52(H) REQUIRES HALLWAY OUTLETS INSTALLED PER CODE

NEC 406.4(D)(6) REQUIRES ALL OUTSIDE OUTLETS TO BE TYPE WR AND GFCI PROTECTED

NEC 406.5 REQUIRES ALL OUTSIDE OUTLETS TO HAVE HOODED WET LOCATION COVERS

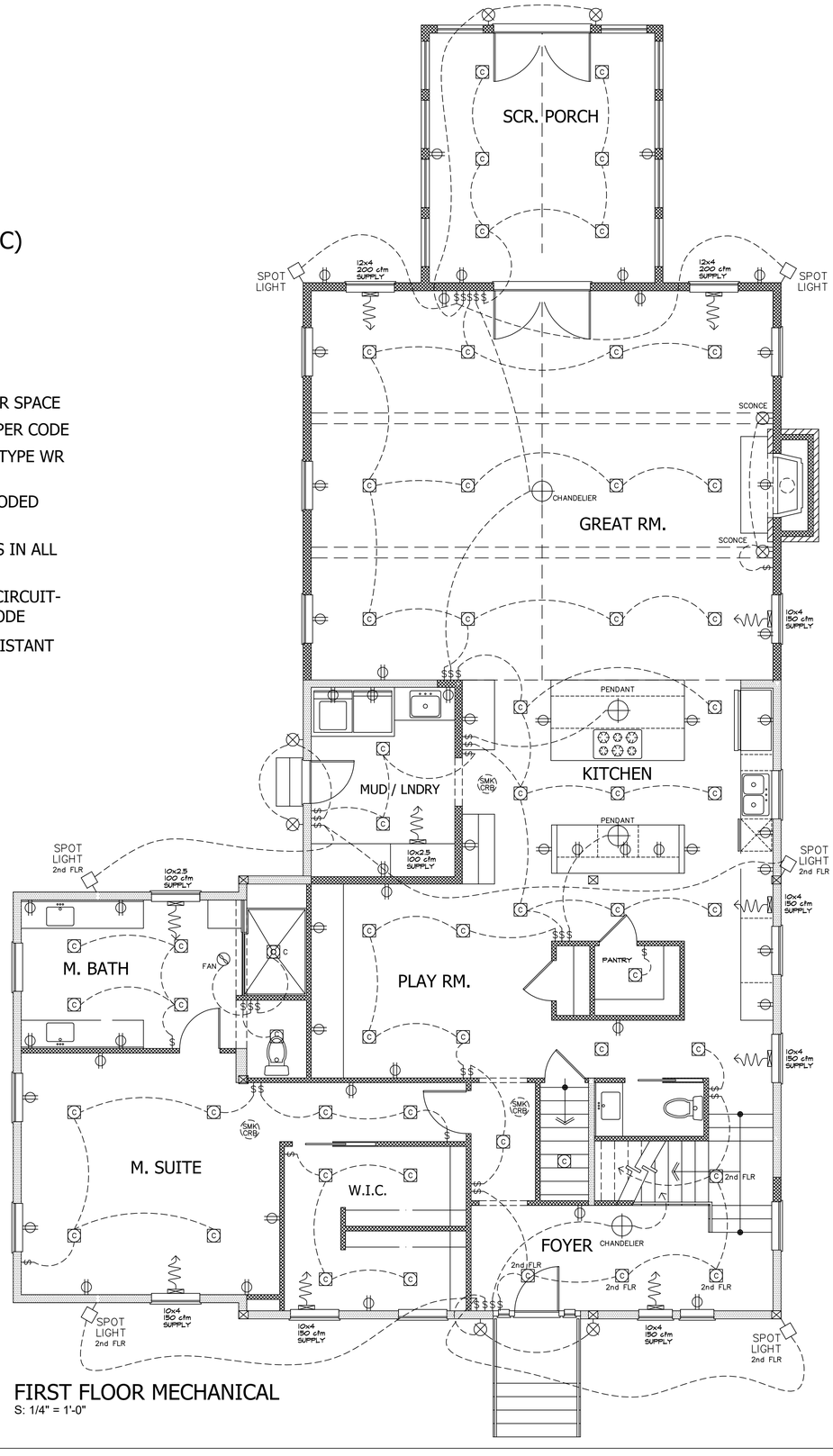
PER NEC 210.8 ELECTRICIAN MUST INSTALL GFCI OUTLETS IN ALL LOCATIONS LISTED PER CODE

PER NEC 210.12 ELECTRICIAN MUST INSTALL ARC-FAULT-CIRCUIT-INTERRUPTER OUTLETS IN ALL LOCATIONS LISTED PER CODE

PER NEC 406.12 ELECTRICIAN MUST INSTALL TAMPER-RESISTANT DEVICES IN ALL LOCATIONS LISTED PER CODE

NOTE: PER NEC SECTION 410(D) ALL BATHROOM LIGHTING FIXTURES SHALL BE LISTED FOR DAMP LOCATIONS, OR LISTED FOR WET LOCATIONS WHERE SUBJECT TO SHOWER SPRAY.

NOTE: ALL NEW 15 AMP AND 20 AMP OUTLET RECEPTACLES SHALL BE TAMPER RESISTANT PER NEC SECTION 406.12



FIRST FLOOR MECHANICAL
S: 1/4" = 1'-0"

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DATE
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4-29-24

JOB # 2023-45

M102

MECHANICAL NOTES

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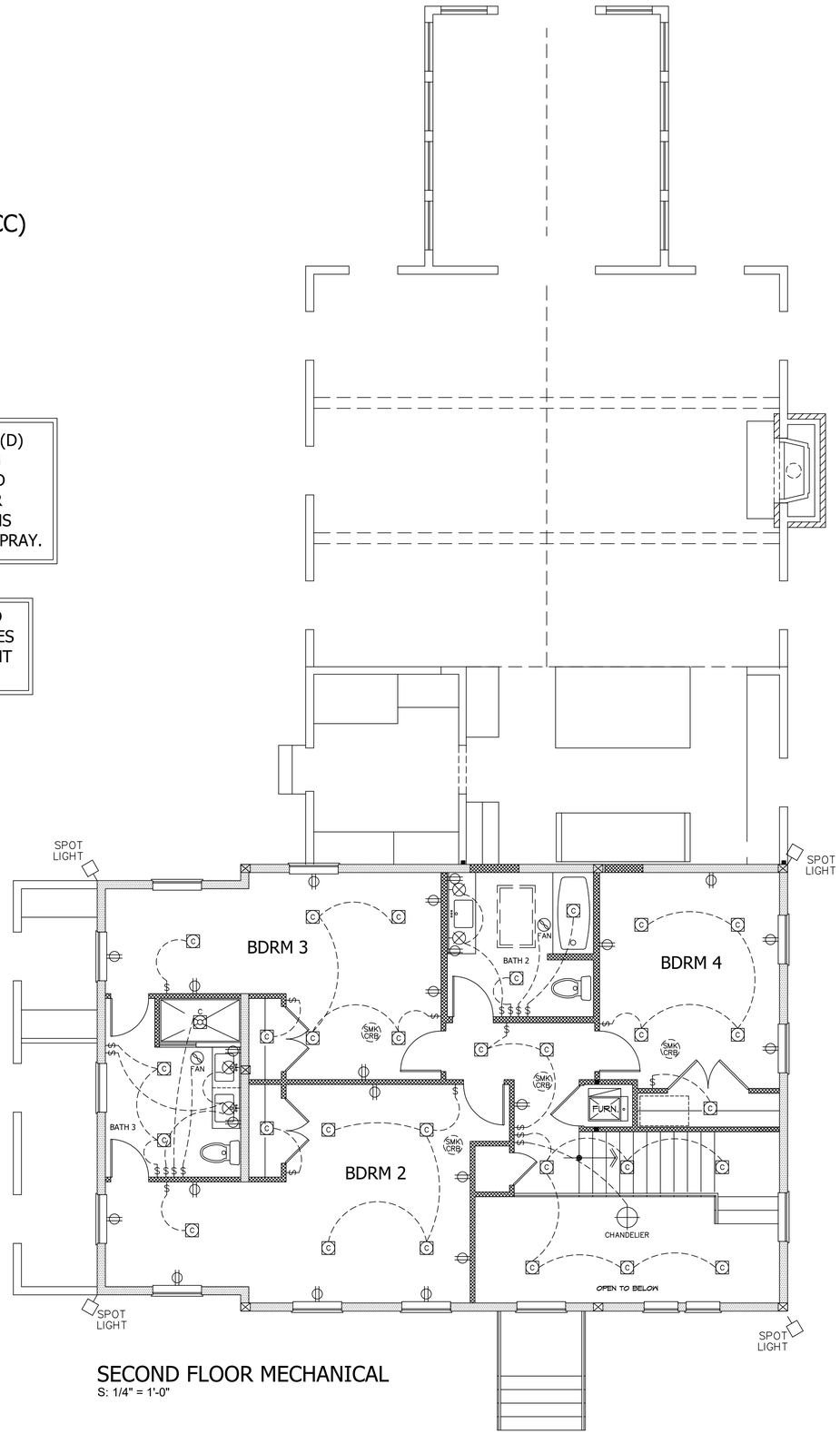

SECOND FLOOR MECHANICAL
S: 1/4" = 1'-0"

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JOB # 2023-45

M103

FIRST FLOOR NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-ALL WALLS ARE DIMENSIONED STUD-TO-STUD.

-ALL INTERIOR WALLS ARE 3 1/2", EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED.

-ALL ANGLED WALLS ARE 45° UNLESS OTHERWISE NOTED.

-SEE PLANS FOR HEADERS IN ALL OPENINGS FOR EXTERIOR AND LOAD BEARING WALLS.

-ALL FLOOR JOISTS SHALL BE CROWNED BEFORE PLACEMENT.

-ALL POSTS (■) SHALL BE A MINIMUM OF (3)2x4's OR (2)2x6's UNLESS NOTED OTHERWISE & DEPENDENT ON WALL THICKNESS

-POINT LOADS ARE REPRESENTED BY (●)

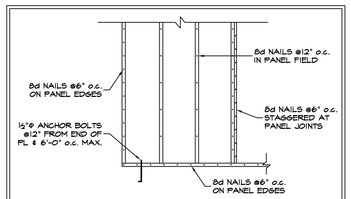
WINDOWS:

ALL WINDOWS AND SIZES ARE DRAWN NOMINAL INCHES.

WINDOWS WITHIN 60" OF STANDING OR WALKING SURFACE OF A TUB, SHOWER, HOT TUB OR WHIRLPOOL MUST BE TEMPERED.

WINDOWS WITH SILLS LOWER THAN 18" MUST BE TEMPERED.

EGRESS REQUIREMENTS:
MAXIMUM SILL HEIGHT ABOVE FLOOR.....44"
MINIMUM NET CLEAR OPENING HEIGHT.....24"
MINIMUM NET CLEAR OPENING WIDTH.....20"
MINIMUM NET CLEAR OPENING SQUARE FEET.....5.7
MINIMUM NET CLEAR OPENING SQ. FT. GRADE LEVEL.....5.0
REMOVAL OF SASH MAY NOT BE USED TO OBTAIN CLEAR OPNG.



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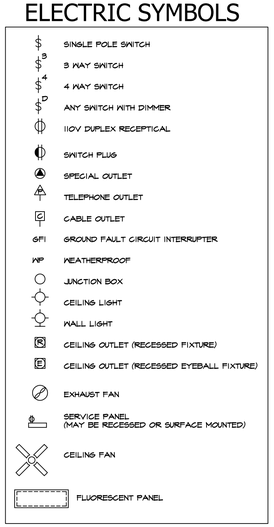
- CONTINUOUSLY SHEATH PER SECTION 602.10.4.2
- MIN. PANEL LENGTHS PER TABLE 602.10.5
- PER TABLE 602.10.1.3 BRACED WALL LINE SPACING 60 FT. MAX WITH 3.1 DIAPHRAGM WIDTH TO DEPTH RATIO

BRACED WALL PANELS (NOT TO SCALE)

ELECTRIC SYMBOLS



FOUNDATION NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-2x8 PRESSURE TREATED SILL PLATE WITH SILL SEALER

-1/2"ø x18" ANCHOR BOLTS @ 6'-0" o.c. AND 12" MAXIMUM FROM CORNERS AND WITH A MIN. OF 2 BOLTS PER PLATE PER RCO SECTION 403.1.6.

-EXTERIOR FOUNDATION INSULATION AS REQUIRED.

-R-19 BATT INSULATION BETWEEN FLOOR JOIST CAVITIES AT RIM.

FOOTINGS:

-ALL FOOTINGS SHALL EXTEND BELOW THE MINIMUM FROST LINE DEPTH OF 42" PER RCO SECTION 402.2.

-(2)#4 REBAR CONTINUOUS THRU WALL FOOTERS.

-ALL 8" BLOCK OR POURED CONCRETE WALLS SHALL HAVE A MINIMUM 8"x16" CONTINUOUS POURED CONCRETE FOOTING.

-ALL 12" BLOCK OR POURED CONCRETE WALLS SHALL HAVE A MINIMUM 8"x20" CONTINUOUS POURED CONCRETE FOOTING.

-ALL CONCRETE LINTELS AT FOOTING LEVEL CHANGES SHALL HAVE A MINIMUM OF 8" BEARING AT EACH END.

CENTER ALL FOOTINGS ON COLUMN CENTER LINES. REINFORCE EACH WAY AS FOLLOWS:
24"x24".....(2)#4
30"x30".....(3)#4
36"x36".....(3)#5
42"x42".....(4)#5
48"x48".....(4)#5
60"x60".....(5)#5
72"x72".....(6)#5

POINT LOADS:

IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

ELECTRICAL NOTES

RECEPTACLE LOCATIONS:

PER NEC SECTION 210.52 AND 210.52(A)(1) - REQUIRES ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES BE INSTALLED SO THAT NO POINT MEASURED HORIZONTALLY ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6'-0" FROM A RECEPTACLE OUTLET.

GFCI LOCATIONS:

PER NEC SECTION 210.8 - ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, ACCESSORY BUILDINGS, EXTERIOR WALLS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHENS ABOVE COUNTER TOP HEIGHT, BOAT HOUSES, AND ANY ROOM WITH A SINK WHERE THE OUTLET IS WITHIN SIX FEET OF THE SINK SHALL BE GROUND-FAULT CIRCUIT INTERRUPTER TYPE.

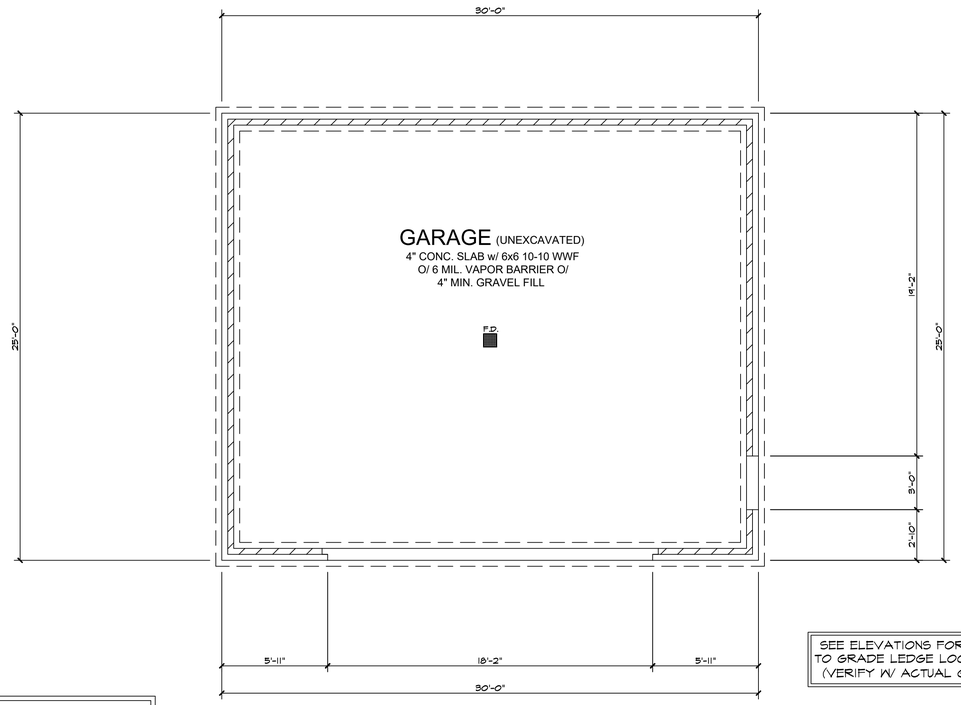
AFCI LOCATIONS:

PER NEC SECTION 210.12 - ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN ANY ROOM, CLOSET, HALLWAY, CEILING, ETC. OF THE HOUSE SHALL BE ARC-FAULT CIRCUIT INTERRUPTER TYPE EXCEPT WHERE GFCI LOCATIONS SUPERCEDE LISTED IN THE NOTE ABOVE PER NEC SECTION 210.8.

DISCLAIMER:

ALL HVAC, PLUMBING & ELECTRICAL SCHEMATICS ARE SUGGESTED. BUILDER AND/OR OWNER IS RESPONSIBLE FOR FINAL LAYOUTS THAT COMPLY WITH ALL LOCAL AND STATE BUILDING CODES. BUILDER AND/OR OWNER FULLY UNDERSTAND THAT J. KAPELA DESIGNS, INC. IS NOT A MECHANICAL ENGINEER AND ASSUMES NO RESPONSIBILITY FOR MECHANICAL SYSTEM INSTALLATIONS AND/OR ANY ISSUES RELATED TO THEIR INSTALLATION.

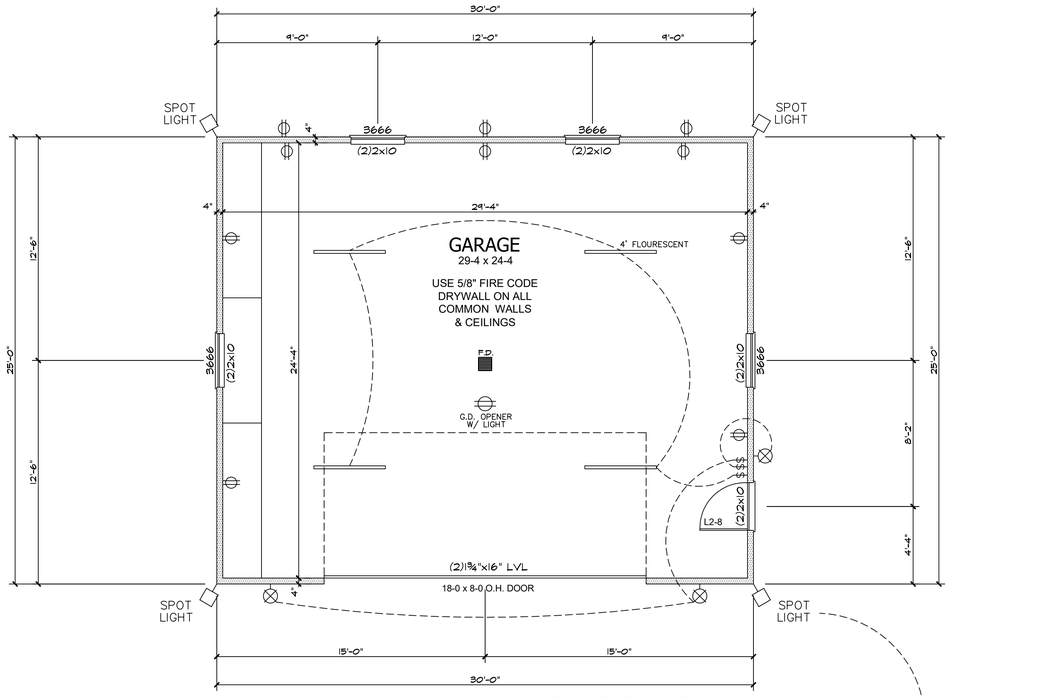
NOTE: ALL NEW 15 AMP AND 20 AMP OUTLET RECEPTACLES SHALL BE TAMPER RESISTANT PER NEC SECTION 406.12



SEE ELEVATIONS FOR BRICK TO GRADE LEDGE LOCATIONS. (VERIFY W/ ACTUAL GRADE)

SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES

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



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

J KAPELA DESIGN & CONSTRUCTION
RESIDENTIAL ARCHITECTURE | INTERIOR DESIGN | CONSTRUCTION

CONTACT:
J. KAPELA DESIGNS & CONST.
4302 John Avenue
Cleveland, Ohio 44113
216-465-2123
www.jkapela.com

FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE

172 AURORA STREET
HUDSON, OH 44236

GARAGE & POOL HOUSE PLANS

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

G101

ROOF NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

SHINGLES:

ROOF SHINGLES SHALL BE APPLIED OVER A MINIMUM OF ONE PLY OF #15 FELT. FELT SHALL BE LAID PARALLEL TO THE EAVES, WITH A 2" TOP LAP AND 4" END LAP. MINIMUM ROOF SLOPE NO LESS THAN 1/4" / FT. ICE GUARD AND WATERSHIELD AT ALL EAVES AND VALLEYS. ICE GUARD SHALL BE INSTALLED A MINIMUM OF 24" MEASURED FROM THE INSIDE OF THE EXTERIOR WALL PER RCO SECTION 905.2.7.2.

ATTICS:

ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS VENTILATION WITH THE NET FREE VENTILATING AREA NOT LESS THAN 1/300 OF THE AREA TO BE VENTILATED. ALL OPENINGS SHALL BE PROTECTED AGAINST THE ENTRANCE OF SNOW AND RAIN.

SHEATHING:

EXTERIOR WALLS & ROOF SHALL BE CONTINUOUSLY SHEATHED WITH MIN. 7/16" OSB OR PLYWOOD PER SECTION R602.10. NAILED W/ 8d NAILS AT 6" o.c. AT ALL PANEL EDGES AND 12" o.c. AT INTERMEDIATE SUPPORTS

TRUSSES:

ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER WITH DETAILED DRAWINGS DESCRIBING TRUSS LAYOUTS AND LOAD CALCULATIONS USED TO DESIGN THE TRUSSES. IT IS THE BUILDER AND/OR OWNERS RESPONSIBILITY TO SUPPLY ANY/OR ALL OF THIS INFORMATION IF REQUESTED BY THE BUILDING DEPARTMENT TO ISSUE BUILDING PERMITS. IT IS ALSO THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO VERIFY, AND IF NECESSARY, ADJUST THE SIZE OF OR ADD ANY BEAM OR HEADER THAT IS DIRECTLY EFFECTED OR REQUIRED TO CARRY THE ROOF LOADS. IN THIS EVENT, THE TRUSS MANUFACTURER SHALL CONTACT J. KAPELA DESIGNS, INC. IN ORDER TO UPDATE THE DRAWINGS.

OVER-LAY RAFTERS:

USE 2x4's @24" o.c. FOR SPANS UP TO.....6'-0"
USE 2x6's @24" o.c. FOR SPANS UP TO.....9'-0"
USE 2x8's @24" o.c. FOR SPANS UP TO.....12'-0"
USE 2x10's @24" o.c. FOR SPANS UP TO.....15'-0"

LIVE LOADS:

IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANSFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

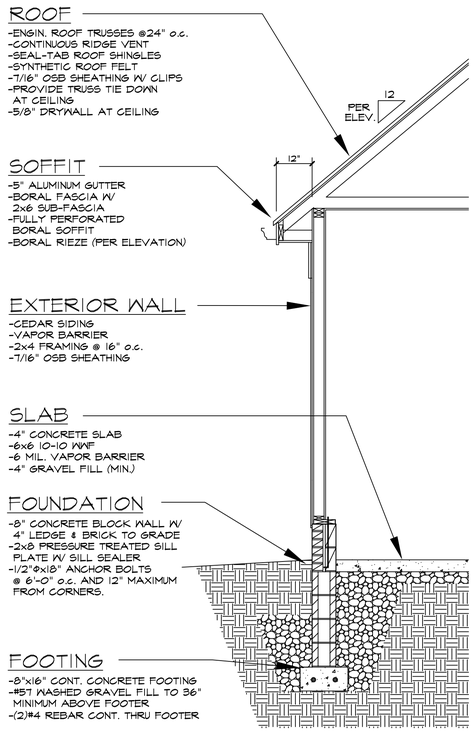
THIS STRUCTURE IS DESIGNED TO RESIST THE FOLLOWING LOADS:

ROOF/SNOW	25psf	ATTIC	20psf
FIRST FLOOR	40psf	SECOND FLOOR	40psf
BALCONIES	60psf	BASIC WIND SPEED	90mph

POINT LOADS:

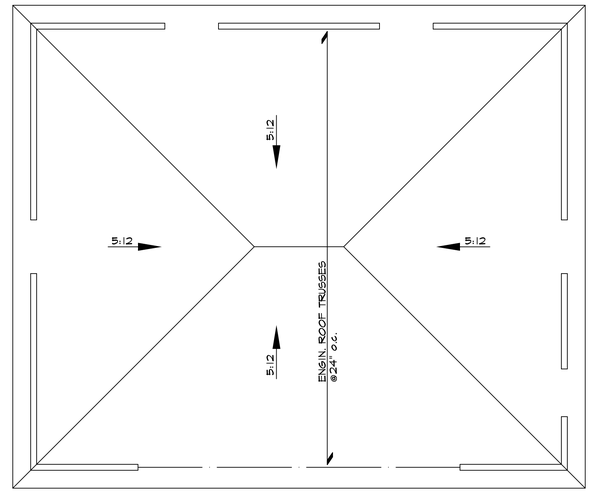
IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES



TYP. WALL SECTION
S: 1/2" = 1'-0"

NOTE: SOME ITEMS DRAWN IN THIS TYPICAL WALL SECTION ARE DIAGRAMMATIC AND NOT NECESSARILY TO THE EXACT SCALE OR PITCH. PLEASE REFER TO TYPED NOTES ALONG SIDE & TYPED DIMENSIONS.



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

J KAPELA
DESIGN & CONSTRUCTION
RESIDENTIAL ARCHITECTURE | INTERIOR DESIGN | CONSTRUCTION

CONTACT:
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FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE
172 AURORA STREET
HUDSON, OH 44236

ROOF PLAN & TYP. WALL SECTION

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

G102

ELEVATION NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-GRADE SHALL HAVE A MINIMUM OF 6" FALL AWAY FROM THE STRUCTURE WITHIN THE FIRST 10' PER RCO SECTION 401.3.

-ALL CHIMNEYS SHALL EXTEND PAST ANY ROOF THAT IS WITHIN 10'-0" OF THE CHIMNEY BY A MINIMUM OF 2'-0".

-IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO CHOOSE ALL SIDING COLORS, TRIM SIZES AND ANY FALSE VENTS.

SHINGLES:

ROOF SHINGLES SHALL BE APPLIED OVER A MINIMUM OF ONE PLY OF #15 FELT. FELT SHALL BE LAID PARALLEL TO THE EAVES, WITH A 2" TOP LAP AND 4" END LAP. MINIMUM ROOF SLOPE NO LESS THAN 1/4" / FT. ICE GUARD AND WATERSHIELD AT ALL EAVES AND VALLEYS. ICE GUARD SHALL BE INSTALLED A MINIMUM OF 24" MEASURED FROM THE INSIDE OF THE EXTERIOR WALL PER RCO SECTION 905.2.7.2.

ATTICS:

ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS VENTILATION WITH THE NET FREE VENTILATING AREA NOT LESS THAN 1/300 OF THE AREA TO BE VENTILATED. ALL OPENINGS SHALL BE PROTECTED AGAINST THE ENTRANCE OF SNOW AND RAIN.

REFER TO ROOF PLAN SHEET FOR VENTING CALCULATIONS.

TRUSSES:

ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER WITH DETAILED DRAWINGS DESCRIBING TRUSS LAYOUTS AND LOAD CALCULATIONS USED TO DESIGN THE TRUSSES. IT IS THE BUILDER AND/OR OWNERS RESPONSIBILITY TO SUPPLY ANY/OR ALL OF THIS INFORMATION IF REQUESTED BY THE BUILDING DEPARTMENT TO ISSUE BUILDING PERMITS. IT IS ALSO THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO VERIFY, AND IF NECESSARY, ADJUST THE SIZE OF OR ADD ANY BEAM OR HEADER THAT IS DIRECTLY EFFECTED OR REQUIRED TO CARRY THE ROOF LOADS. IN THIS EVENT, THE TRUSS MANUFACTURER SHALL CONTACT J. KAPELA DESIGNS, INC. IN ORDER TO UPDATE THE DRAWINGS.

WINDOWS:

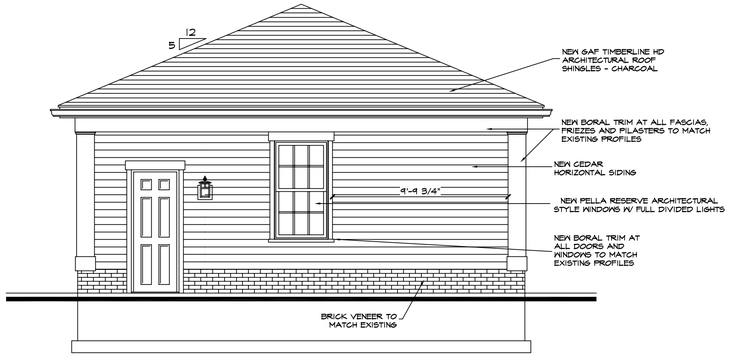
ALL WINDOWS AND SIZES ARE DRAWN NOMINAL INCHES.

WINDOWS WITHIN 36" HORIZONTIALLY & 60" VERTICALLY OF A TUB OR SHOWER MUST BE TEMPERED.

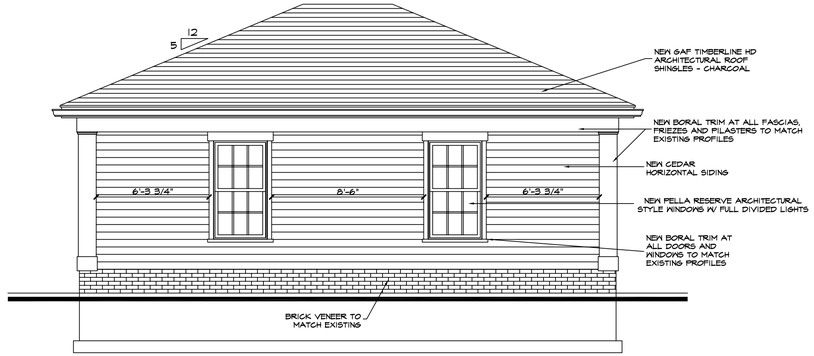
WINDOWS WITH SILLS LOWER THAN 18" MUST BE TEMPERED.

EGRESS REQUIREMENTS:
MAXIMUM SILL HEIGHT ABOVE FLOOR.....44"
MINIMUM NET CLEAR OPENING HEIGHT.....24"
MINIMUM NET CLEAR OPENING WIDTH.....20"
MINIMUM NET CLEAR OPENING SQUARE FEET.....5.7
MINIMUM NET CLEAR OPENING SQ. FT. GRADE LEVEL.....5.0
REMOVAL OF SASH MAY NOT BE USED TO OBTAIN CLEAR OPNG.

SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES

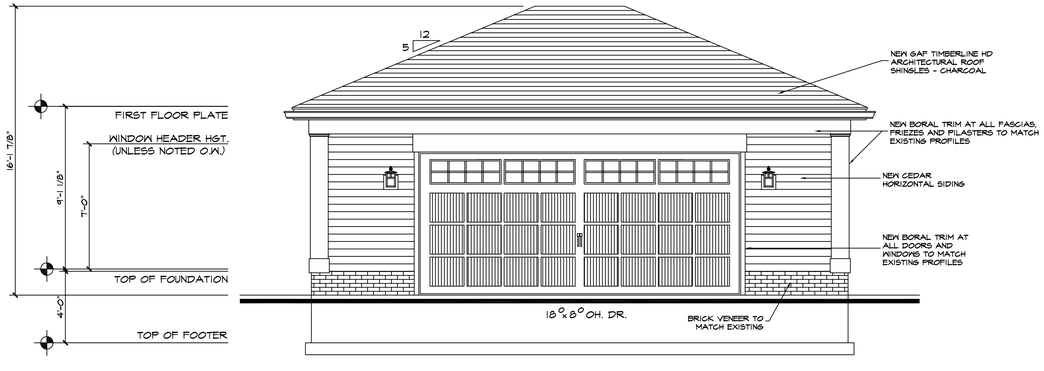


RIGHT SIDE ELEVATION
S: 1/4" = 1'-0"



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

LEFT SIDE ELEVATION
S: 1/4" = 1'-0"



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

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FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE

172 AURORA STREET
HUDSON, OH 44236

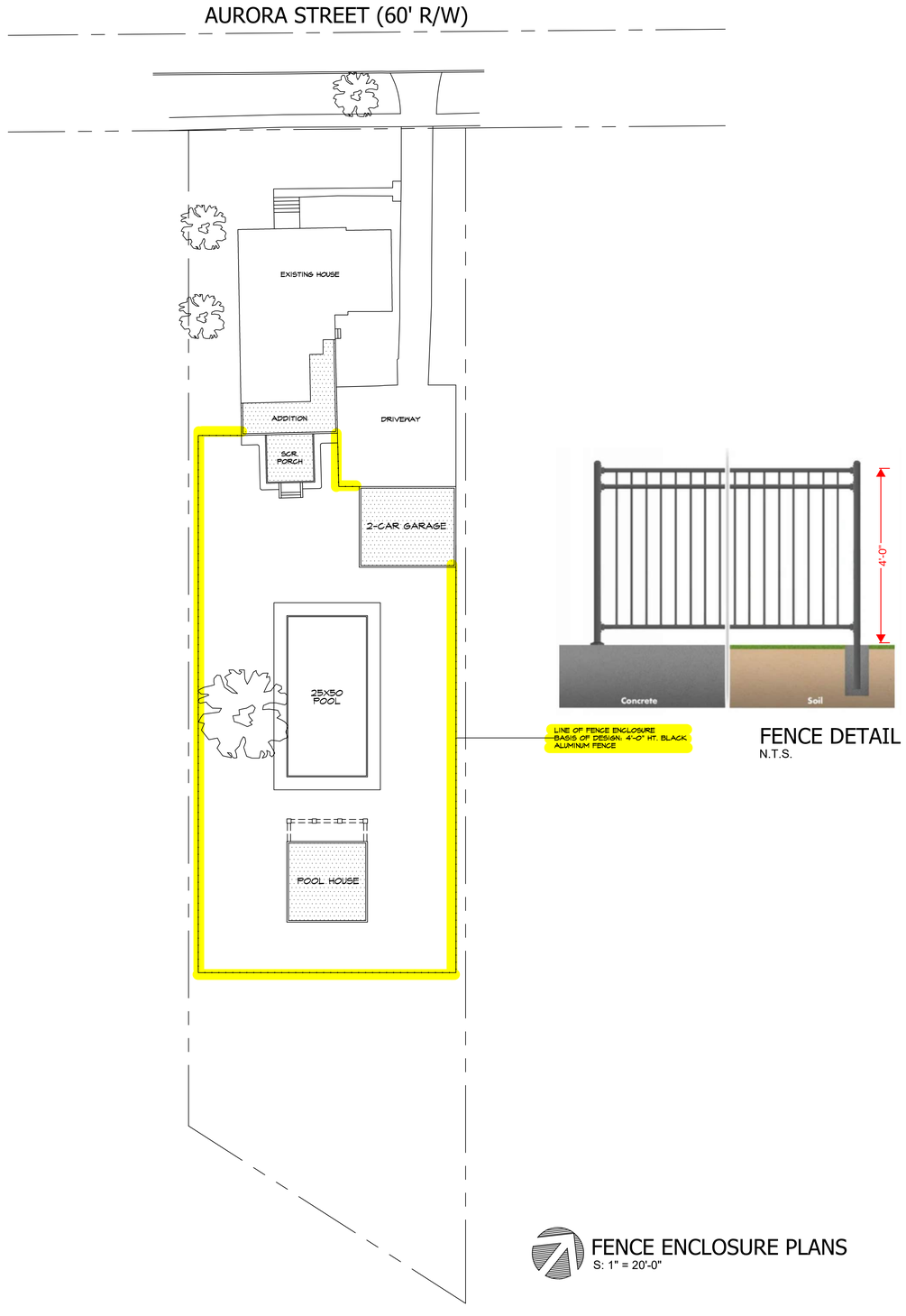
GARAGE EXTERIOR ELEVATIONS

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

G201



FENCE DETAIL
N.T.S.

FENCE ENCLOSURE PLANS
S: 1" = 20'-0"

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FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE

172 AURORA STREET
HUDSON, OH 44236

FENCE ENCLOSURE PLANS

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

P100

FIRST FLOOR NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-ALL WALLS ARE DIMENSIONED STUD-TO-STUD.

-ALL INTERIOR WALLS ARE 3 1/2", EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED.

-ALL ANGLED WALLS ARE 45° UNLESS OTHERWISE NOTED.

-SEE PLANS FOR HEADERS IN ALL OPENINGS FOR EXTERIOR AND LOAD BEARING WALLS.

-ALL FLOOR JOISTS SHALL BE CROWNED BEFORE PLACEMENT.

-ALL POSTS (■) SHALL BE A MINIMUM OF (3)2x4's OR (2)2x6's UNLESS NOTED OTHERWISE & DEPENDENT ON WALL THICKNESS

-POINT LOADS ARE REPRESENTED BY (●)

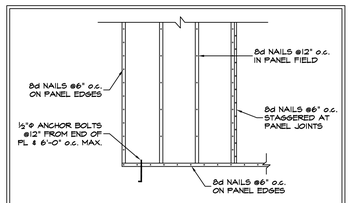
WINDOWS:

ALL WINDOWS AND SIZES ARE DRAWN NOMINAL INCHES.

WINDOWS WITHIN 60" OF STANDING OR WALKING SURFACE OF A TUB, SHOWER, HOT TUB OR WHIRLPOOL MUST BE TEMPERED.

WINDOWS WITH SILLS LOWER THAN 18" MUST BE TEMPERED.

EGRESS REQUIREMENTS:
MAXIMUM SILL HEIGHT ABOVE FLOOR.....44"
MINIMUM NET CLEAR OPENING HEIGHT.....24"
MINIMUM NET CLEAR OPENING WIDTH.....20"
MINIMUM NET CLEAR OPENING SQUARE FEET.....5.7
MINIMUM NET CLEAR OPENING SQ. FT. GRADE LEVEL.....5.0
REMOVAL OF SASH MAY NOT BE USED TO OBTAIN CLEAR OPNG.



METHOD CS-WSP (602.10.4)

- THIS IS FOR ALL EXTERIOR WALLS OF THE HOME U.N.O.
- EXTERIOR BRACED WALLS ARE ALL TO ALL BE CONTINUOUSLY SHEATHED WITH MIN 7/16" OSB OR PLYWOOD PER CODE.
- ATTACH PER TABLE 602.3(3)
- CONTINUOUSLY SHEATH PER SECTION 602.10.4.2
- MIN. PANEL LENGTHS PER TABLE 602.10.5
- PER TABLE 602.10.1.3 BRACED WALL LINE SPACING 60 FT. MAX WITH 3.1 DIAPHRAGM WIDTH TO DEPTH RATIO

BRACED WALL PANELS (NOT TO SCALE)

ELECTRIC SYMBOLS

- SINGLE POLE SWITCH
- $_3$ 3 WAY SWITCH
- $_4$ 4 WAY SWITCH
- $_D$ ANY SWITCH WITH DIMMER
- 110V DUPLEX RECEPTICAL
- SWITCH PLUG
- SPECIAL OUTLET
- TELEPHONE OUTLET
- C CABLE OUTLET
- GFI GROUND FAULT CIRCUIT INTERRUPTER
- WP WEATHERPROOF
- JUNCTION BOX
- CEILING LIGHT
- WALL LIGHT
- CEILING OUTLET (RECESSED FIXTURE)
- E CEILING OUTLET (RECESSED EYEBALL FIXTURE)
- EXHAUST FAN
- SP SERVICE PANEL (MAY BE RECESSED OR SURFACE MOUNTED)
- CEILING FAN
- FLUORESCENT PANEL

FOUNDATION NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

-2x8 PRESSURE TREATED SILL PLATE WITH SILL SEALER

-1/2"ø x18" ANCHOR BOLTS @ 6'-0" o.c. AND 12" MAXIMUM FROM CORNERS AND WITH A MIN. OF 2 BOLTS PER PLATE PER RCO SECTION 403.1.6.

-EXTERIOR FOUNDATION INSULATION AS REQUIRED.

-R-19 BATT INSULATION BETWEEN FLOOR JOIST CAVITIES AT RIM.

FOOTINGS:

-ALL FOOTINGS SHALL EXTEND BELOW THE MINIMUM FROST LINE DEPTH OF 42" PER RCO SECTION 402.2.

-(2)#4 REBAR CONTINUOUS THRU WALL FOOTERS.

-ALL 8" BLOCK OR POURED CONCRETE WALLS SHALL HAVE A MINIMUM 8"x16" CONTINUOUS POURED CONCRETE FOOTING.

-ALL 12" BLOCK OR POURED CONCRETE WALLS SHALL HAVE A MINIMUM 8"x20" CONTINUOUS POURED CONCRETE FOOTING.

-ALL CONCRETE LINTELS AT FOOTING LEVEL CHANGES SHALL HAVE A MINIMUM OF 8" BEARING AT EACH END.

CENTER ALL FOOTINGS ON COLUMN CENTER LINES. REINFORCE EACH WAY AS FOLLOWS:
24"x24".....(2)#4
30"x30".....(3)#4
36"x36".....(3)#5
42"x42".....(4)#5
48"x48".....(4)#5
60"x60".....(5)#5
72"x72".....(6)#5

POINT LOADS:

IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

ELECTRICAL NOTES

RECEPTACLE LOCATIONS:

PER NEC SECTION 210.52 AND 210.52(A)(1) - REQUIRES ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES BE INSTALLED SO THAT NO POINT MEASURED HORIZONTALLY ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6'-0" FROM A RECEPTACLE OUTLET.

GFCI LOCATIONS:

PER NEC SECTION 210.8 - ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, ACCESSORY BUILDINGS, EXTERIOR WALLS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHENS ABOVE COUNTER TOP HEIGHT, BOAT HOUSES, AND ANY ROOM WITH A SINK WHERE THE OUTLET IS WITHIN SIX FEET OF THE SINK SHALL BE GROUND-FAULT CIRCUIT INTERRUPTER TYPE.

AFCI LOCATIONS:

PER NEC SECTION 210.12 - ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN ANY ROOM, CLOSET, HALLWAY, CEILING, ETC. OF THE HOUSE SHALL BE ARC-FAULT CIRCUIT INTERRUPTER TYPE EXCEPT WHERE GFCI LOCATIONS SUPERCEDE LISTED IN THE NOTE ABOVE PER NEC SECTION 210.8.

DISCLAIMER:

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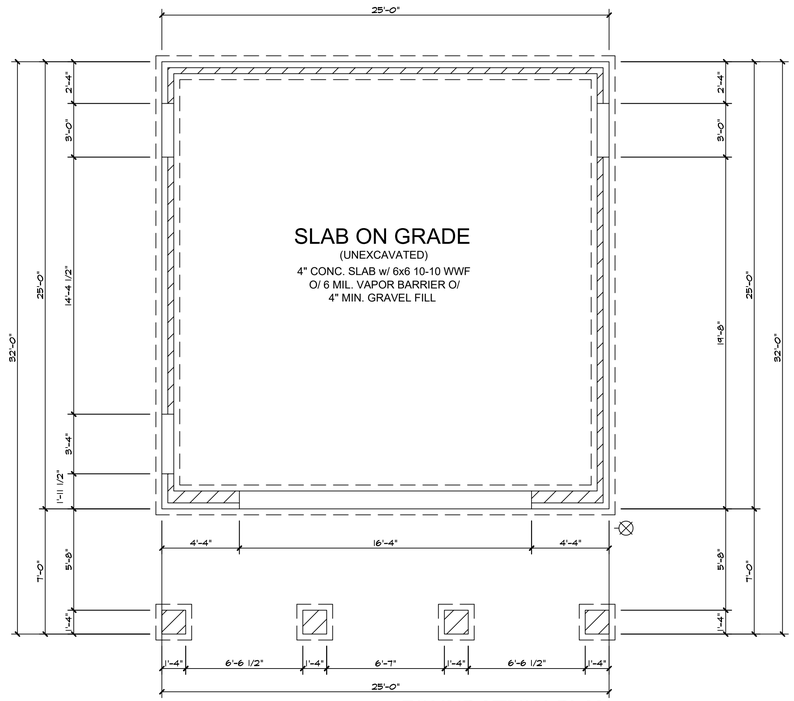
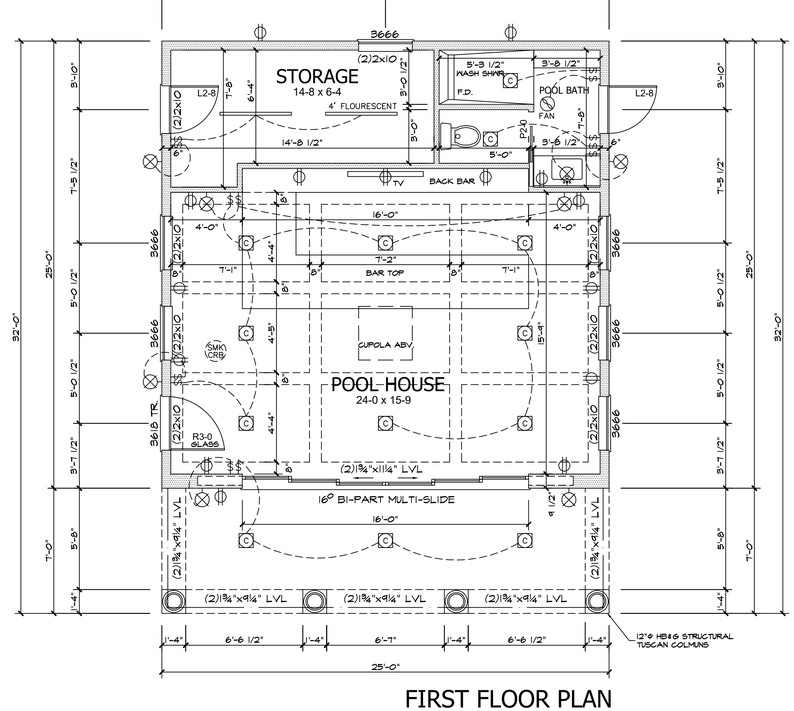
NOTE: ALL NEW 15 AMP AND 20 AMP OUTLET RECEPTACLES SHALL BE TAMPER RESISTANT PER NEC SECTION 406.12



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

SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES

NOTE: PER NEC SECTION 410(D) ALL BATHROOM LIGHTING FIXTURES SHALL BE LISTED FOR DAMP LOCATIONS, OR LISTED FOR WET LOCATIONS WHERE SUBJECT TO SHOWER SPRAY.



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

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FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE
172 AURORA STREET
HUDSON, OH 44236

POOL HOUSE PLANS

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

P101

ROOF NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

SHINGLES:

ROOF SHINGLES SHALL BE APPLIED OVER A MINIMUM OF ONE PLY OF #15 FELT. FELT SHALL BE LAID PARALLEL TO THE EAVES, WITH A 2" TOP LAP AND 4" END LAP. MINIMUM ROOF SLOPE NO LESS THAN 1/4" / FT. ICE GUARD AND WATERSHIELD AT ALL EAVES AND VALLEYS. ICE GUARD SHALL BE INSTALLED A MINIMUM OF 24" MEASURED FROM THE INSIDE OF THE EXTERIOR WALL PER RCO SECTION 905.2.7.2.

ATTICS:

ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS VENTILATION WITH THE NET FREE VENTILATING AREA NOT LESS THAN 1/300 OF THE AREA TO BE VENTILATED. ALL OPENINGS SHALL BE PROTECTED AGAINST THE ENTRANCE OF SNOW AND RAIN.

SHEATHING:

EXTERIOR WALLS & ROOF SHALL BE CONTINUOUSLY SHEATHED WITH MIN. 7/16" OSB OR PLYWOOD PER SECTION R602.10. NAILED W/ 8d NAILS AT 6" o.c. AT ALL PANEL EDGES AND 12" o.c. AT INTERMEDIATE SUPPORTS

TRUSSES:

ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER WITH DETAILED DRAWINGS DESCRIBING TRUSS LAYOUTS AND LOAD CALCULATIONS USED TO DESIGN THE TRUSSES. IT IS THE BUILDER AND/OR OWNERS RESPONSIBILITY TO SUPPLY ANY/OR ALL OF THIS INFORMATION IF REQUESTED BY THE BUILDING DEPARTMENT TO ISSUE BUILDING PERMITS. IT IS ALSO THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO VERIFY, AND IF NECESSARY, ADJUST THE SIZE OF OR ADD ANY BEAM OR HEADER THAT IS DIRECTLY EFFECTED OR REQUIRED TO CARRY THE ROOF LOADS. IN THIS EVENT, THE TRUSS MANUFACTURER SHALL CONTACT J. KAPELA DESIGNS, INC. IN ORDER TO UPDATE THE DRAWINGS.

OVER-LAY RAFTERS:

USE 2x4's @24" o.c. FOR SPANS UP TO.....6'-0"
USE 2x6's @24" o.c. FOR SPANS UP TO.....9'-0"
USE 2x8's @24" o.c. FOR SPANS UP TO.....12'-0"
USE 2x10's @24" o.c. FOR SPANS UP TO.....15'-0"

LIVE LOADS:

IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANSFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

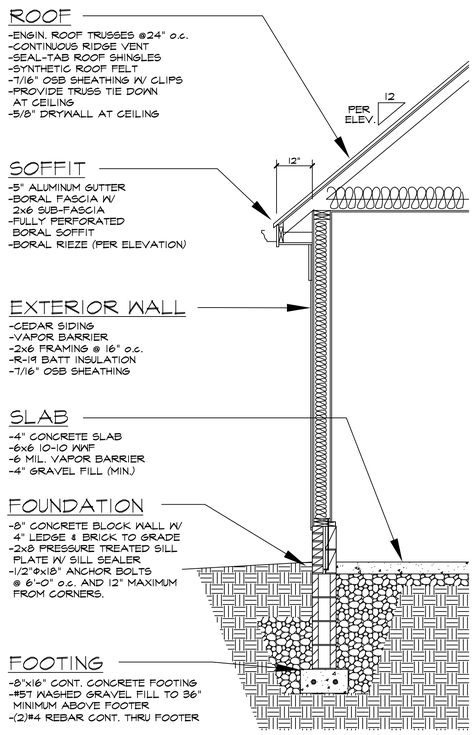
THIS STRUCTURE IS DESIGNED TO RESIST THE FOLLOWING LOADS:

ROOF/SNOW	25psf	ATTIC	20psf
FIRST FLOOR	40psf	SECOND FLOOR	40psf
BALCONIES	60psf	BASIC WIND SPEED	90mph

POINT LOADS:

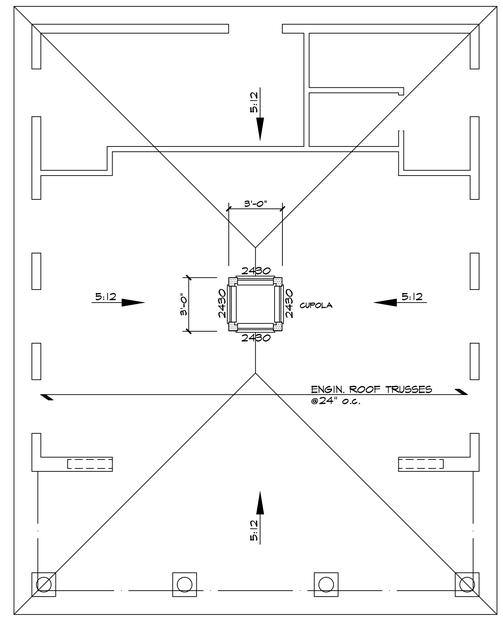
IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO VERIFY THAT ALL POINT LOADS TRANFER TO THE FOUNDATION OR SPECIFIED BEARING LOCATIONS.

SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES



TYP. WALL SECTION
S: 1/2" = 1'-0"

NOTE: SOME ITEMS DRAWN IN THIS TYPICAL WALL SECTION ARE DIAGRAMMATIC AND NOT NECESSARILY TO THE EXACT SCALE OR PITCH. PLEASE REFER TO TYPED NOTES ALONG SIDE & TYPED DIMENSIONS.



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

J KAPELA DESIGN & CONSTRUCTION
RESIDENTIAL ARCHITECTURE | INTERIOR DESIGN | CONSTRUCTION

CONTACT:
J. KAPELA DESIGNS & CONST.
4302 John Avenue
Cleveland, Ohio 44113
216-465-2123
www.jkapela.com

FINAL PERMIT PLANS 4/29/24

MOORHEAD RESIDENCE
172 AURORA STREET
HUDSON, OH 44236

ROOF PLAN & TYP. WALL SECTION

DATE
2023-12-07 LAYOUT EXISTING
2024-03-04 AHRB SUBMISSION

4-29-24

JOB # 2023-45

P102

ELEVATION NOTES

Reference sections 1061.3 and chapter 44 of the Residential Code of Ohio

GENERAL:

GRADE SHALL HAVE A MINIMUM OF 6" FALL AWAY FROM THE STRUCTURE WITHIN THE FIRST 10' PER RCO SECTION 401.3.

-ALL CHIMNEYS SHALL EXTEND PAST ANY ROOF THAT IS WITHIN 10'-0" OF THE CHIMNEY BY A MINIMUM OF 2'-0".

-IT IS THE RESPONSIBILITY OF THE BUILDER AND/OR OWNER TO CHOOSE ALL SIDING COLORS, TRIM SIZES AND ANY FALSE VENTS.

SHINGLES:

ROOF SHINGLES SHALL BE APPLIED OVER A MINIMUM OF ONE PLY OF #15 FELT. FELT SHALL BE LAID PARALLEL TO THE EAVES, WITH A 2" TOP LAP AND 4" END LAP. MINIMUM ROOF SLOPE NO LESS THAN 1/4" / FT. ICE GUARD AND WATERSHIELD AT ALL EAVES AND VALLEYS. ICE GUARD SHALL BE INSTALLED A MINIMUM OF 24" MEASURED FROM THE INSIDE OF THE EXTERIOR WALL PER RCO SECTION 905.2.7.2.

ATTICS:

ALL ENCLOSED ATTICS AND RAFTER SPACES SHALL HAVE CROSS VENTILATION WITH THE NET FREE VENTILATING AREA NOT LESS THAN 1/300 OF THE AREA TO BE VENTILATED. ALL OPENINGS SHALL BE PROTECTED AGAINST THE ENTRANCE OF SNOW AND RAIN.

REFER TO ROOF PLAN SHEET FOR VENTING CALCULATIONS.

TRUSSES:

ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER WITH DETAILED DRAWINGS DESCRIBING TRUSS LAYOUTS AND LOAD CALCULATIONS USED TO DESIGN THE TRUSSES. IT IS THE BUILDER AND/OR OWNERS RESPONSIBILITY TO SUPPLY ANY/OR ALL OF THIS INFORMATION IF REQUESTED BY THE BUILDING DEPARTMENT TO ISSUE BUILDING PERMITS. IT IS ALSO THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO VERIFY, AND IF NECESSARY, ADJUST THE SIZE OF OR ADD ANY BEAM OR HEADER THAT IS DIRECTLY EFFECTED OR REQUIRED TO CARRY THE ROOF LOADS. IN THIS EVENT, THE TRUSS MANUFACTURER SHALL CONTACT J. KAPELA DESIGNS, INC. IN ORDER TO UPDATE THE DRAWINGS.

WINDOWS:

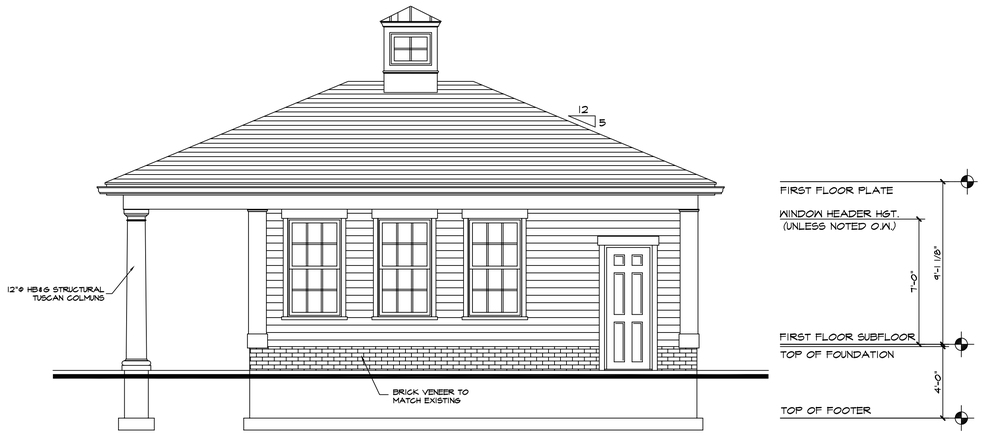
ALL WINDOWS AND SIZES ARE DRAWN NOMINAL INCHES.

WINDOWS WITHIN 36" HORIZONTIALLY & 60" VERTICALLY OF A TUB OR SHOWER MUST BE TEMPERED.

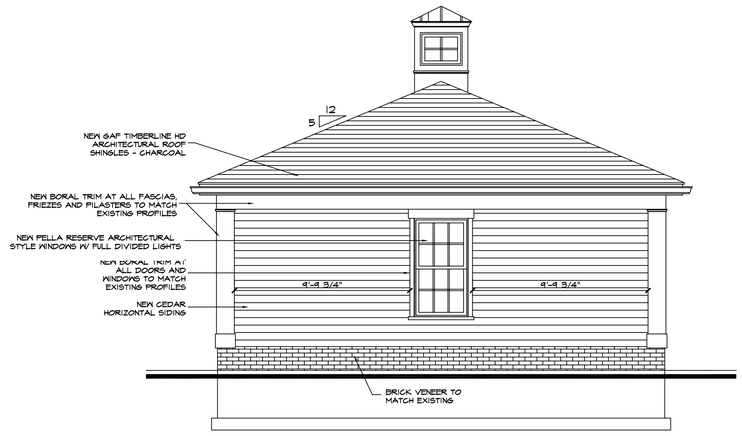
WINDOWS WITH SILLS LOWER THAN 18" MUST BE TEMPERED.

EGRESS REQUIREMENTS:
MAXIMUM SILL HEIGHT ABOVE FLOOR.....44"
MINIMUM NET CLEAR OPENING HEIGHT.....24"
MINIMUM NET CLEAR OPENING WIDTH.....20"
MINIMUM NET CLEAR OPENING SQUARE FEET.....5.7
MINIMUM NET CLEAR OPENING SQ. FT. GRADE LEVEL.....5.0
REMOVAL OF SASH MAY NOT BE USED TO OBTAIN CLEAR OPNG.

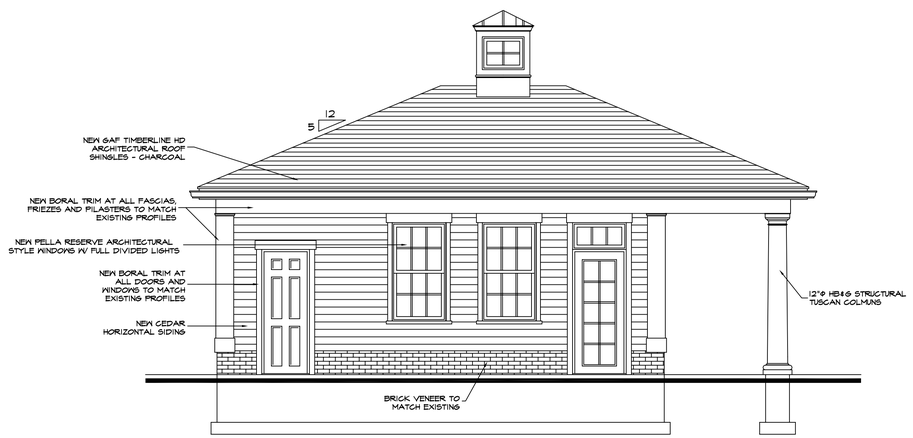
SEE SHEET C101 FOR GEN. CODE REQUIREMENTS, DISCLAIMERS AND GENERAL CONSTRUCTION NOTES



RIGHT SIDE ELEVATION
S: 1/4" = 1'-0"



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



LEFT SIDE ELEVATION
S: 1/4" = 1'-0"

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

JKAPELA
DESIGN & CONSTRUCTION
RESIDENTIAL ARCHITECTURE | INTERIOR DESIGN | CONSTRUCTION

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POOL HOUSE EXTERIOR ELEVATIONS

DATE
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P201

J KAPELA
DESIGN & CONSTRUCTION
RESIDENTIAL ARCHITECTURE | INTERIOR DESIGN | CONSTRUCTION

4302 John Ave, Cleveland, Oh 44113 | office: 216.465.2123 | web: jkapela.com

172 Aurora Street – Moorhead Residence

Table of Contents:

Removing and Reinstalling Wood Siding

This is not a difficult process; this is a time-consuming process. Only one side of the home will be removed and quantified at a time. A historic preservation consultant qualified with the State Historic Preservation Office will be hired by the homeowner and at the homeowner's expense to observe the removal and quantification of the existing siding and trim and aide in the determination of what piece or pieces deterioration levels justify repairing vs. replacement. Preservation consultant shall observe reinstallation of the restored siding and trim. Preservation consultant shall provide documentation to the Hudson AHRB board at each step of the process confirming that the homeowner has complied with the Secretary of Interior Standards for Rehabilitation.

Step 1:
Having all materials needed on-site prior to any work started.

1. Zip wall exterior sheathing
2. Tape, markers, tags and zip-ties for labeling existing materials
3. Pallets to store large existing materials
4. Plastic bins and zip lock bags to store smaller materials

Step 2:
Starting on the West / Right Side Elevation

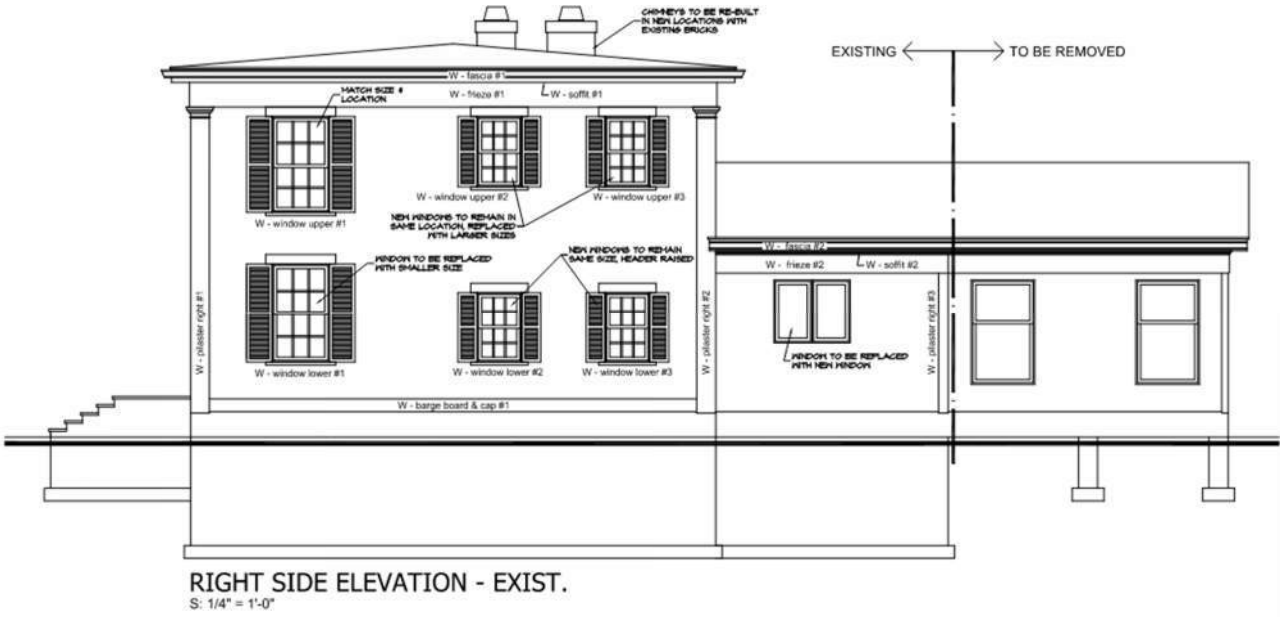
1. Take numerous detailed photographs of the existing conditions.
2. Remove shutters, label them and store on pallets
    a. Note: shutters will not be re-installed until the full exterior restoration is completed and painted
    b. These shutters will be stored indoors at homeowners warehouse for the duration of the exterior restoration.

Step 2 (cont.):

3. Lightly sand the exterior wall
    a. For future painting purposes, this is easier to do while the siding is still in place vs. on a work table. There will be some additional work table sanding to address the “lapped” areas and edges.
    b. The more important part of the sanding process is to expose the existing nails. Being able to see where the nails are allows us to use a flat bar in the correct spot to relieve the potential of the siding boards to split or crack.

Step 2 (cont.):

4. Just as there is an order to install siding and trim, we will follow that same order, only in reverse for removal.
    a. Remove corner pilasters, label and store on pallets
        i. These pilasters are wrapped to the front and rear elevations, we will be removing the entire pilaster while starting on this elevation.
    b. Remove fascia, soffit and frieze board, label and store on pallets
    c. Begin at the top and remove wood siding one row at a time, label and store on pallets
    d. As we are working down the wall, all window headers, casing and sill will be removed, labeled and stored on pallets
    e. Remove bottom barge board and cap trim, label and store on pallets
5. Refer to image below and construction drawings for trim labeling sequence
    a. W = west side

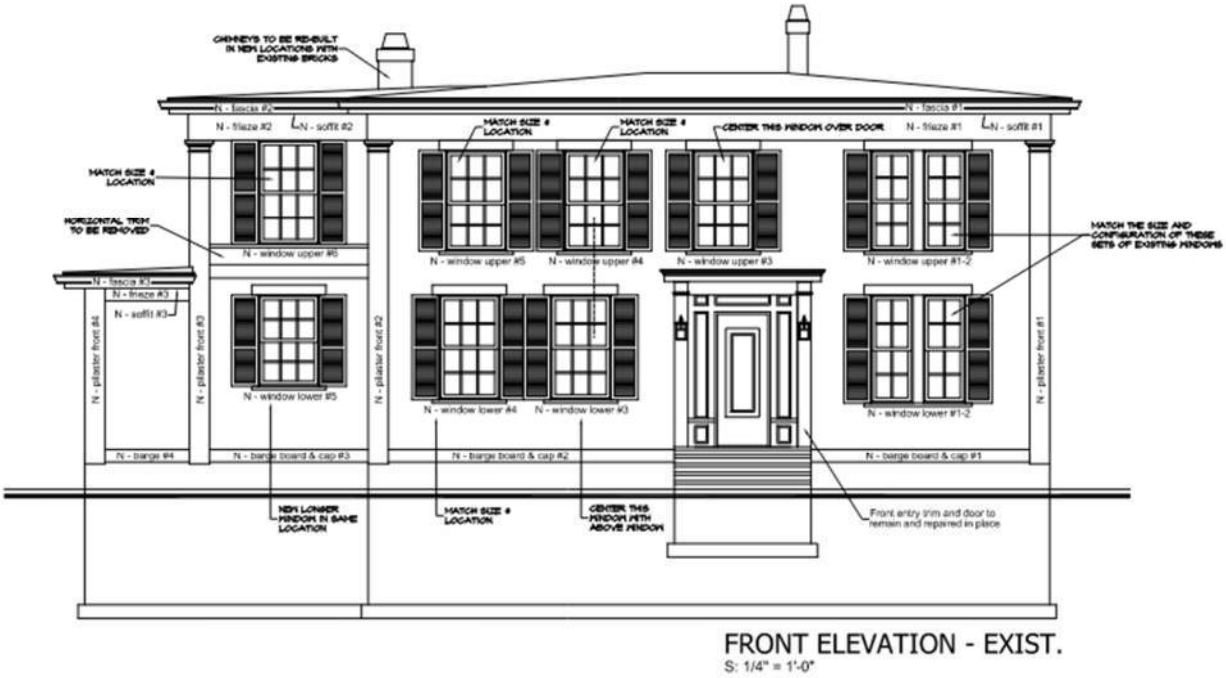


RIGHT SIDE ELEVATION - EXIST.
S: 1/4" = 1'-0"

6. Re-frame new window openings
7. Re-sheath the wall with Zip wall exterior sheathing
8. During the installation of the new sheathing and windows we will be finishing the rest of the sanding on the siding and trim and also priming (paint) both sides of the siding for longevity protection of the wood prior to its' re-installation. This process will be done indoors at the homeowners warehouse and then brought back to the site for reinstallation.
9. Note: as we are only removing and quantifying siding and trim one side at a time to install the Zip wall sheathing, the reinstallation of the siding and trim will be done at one time once the entire existing home and addition is completed, and windows installed.

Step 3:
Continue to the North / Front Elevation

1. Follow the same construction process as stated in Step 2.
2. Refer to image below and construction drawings for trim labeling sequence
    a. N = north side



Step 4:
Continue to the East / Left Side Elevation

1. Follow the same construction process as stated in Step 2.
2. Refer to image below and construction drawings for trim labeling sequence
    a. E = east side

Step 5:
Continue to the South / Rear Elevation

1. Follow the same construction process as stated in Step 2.
2. Refer to image below and construction drawings for trim labeling sequence
    a. S = south side

Mixing Boral Trim with Wood Siding

For many reasons, including Perspectus's approval, Boral is the superior product in trim work for new construction and restoration projects. This material can be worked just like wood and when painted impossible to distinguish between the two. Below is a photograph of Boral trim currently being mixed with wood trim at 55 College St.

Pella Reserve Window Specifications

Pella® Reserve™

Traditional Wood & Clad/Wood

Exquisitely designed windows and doors with unparalleled historical detailing.

Double-Hung Interior

Double-Hung Exterior

- **Historical details**
  Our most historically authentic line of wood windows and patio doors. Featuring through-stile construction, deliberate proportions and intricate profiles. Pella Reserve – Traditional products are the ideal choice for historical renovations and traditional building projects.
- **Authentic hardware**
  Complement your project with historically authentic spoon-lock window hardware. Our Antiek casement window hardware is inspired by period furniture to deliver authentic traditional style.
- **Architectural interest**
  Pella's Integral Light Technology® grille helps capture the look of true-divided-light without sacrificing energy performance. Further your aesthetic with the putty profile, recreated with historically accurate angles to provide meaningful depth and a realistic shadow. Pella Reserve products offer the industry's deepest sash dimension.
- **Virtually unlimited customization**
  If you can dream it, we can build it with our most customizable product line. From extra tall to extra wide, Pella can craft unique windows that complement your aesthetic. Custom sizes, grille patterns and designs, finishes, wood types and glass options are available.
- **Tailor-made solutions**
  From preliminary drawings to installation, Pella's expert team of architects, engineers, drafters and consultants can work to deliver custom window and door solutions for your project. Partner with Pella to achieve your unique vision without concessions.
- **Intentional innovation**
  The award-winning Integrated Rolscreen® retractable screen preserves aesthetics and the view. It is a double- and single-hung screen that appears when you open the window and rolls away, out of sight, when you close it.
- **Durable interiors and extruded aluminum exteriors**
  To help save you time on the jobsite, interior finish options are available in a variety of paints and stains, or primed and ready-to-paint. To complement your exterior aesthetic, choose from our carefully curated color palette or define your own custom color for your project.
- **ENERGY STAR® certified[1]**
  Pella wood products offer energy-efficient options that will meet or exceed ENERGY STAR guidelines in all 50 states.
- **Testing beyond requirements**
  All wood products and testing are not created equal. Pella raises the bar on industry standard testing and beyond to deliver long-lasting products and reduced callbacks. Every Pella wood window and door passes 5, on average, quality checks before it arrives on the jobsite.
- **Best limited lifetime warranty[2]**
  Pella Reserve products are covered by the best limited lifetime warranty in the business for wood windows and patio doors.[2]

Available in these window and patio door styles:

Special shape windows also available.

[1,2] See back cover for disclosures.

Product Specifications

Window & Patio Door Styles	Min. Width	Min. Height	Max. Width	Max. Height	Performance Class & Grade	Performance Values			Frame / Install
						U-Factor	SHGC	STC	
Awning	13-¼"	13-¼"	59"	59"	LC30 – CW50	0.25-0.29	0.18-0.47	27-35	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Casement	13-¼"	13-¼"	47"	108"	R35-CW50	0.25-0.29	0.18-0.47	27-34	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Fixed Casement	10"	10"	144"	144"	R35-CW50	0.25-0.29	0.18-0.47	27-35	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Double-Hung	14"	24-3/8"	48"	96"	CW30-CW50	0.25-0.30	0.19-0.53	28-35	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Precision Fit Double-Hung	13-½"	23-¼"	48"	84"	CW40-CW50	0.25-0.31	0.19-0.53	26-30	Pocket Replacement
Monumental Hung	13-¼"	24"	72"	144"	LC25-CW50	0.25-0.30	0.17-0.47	29-34	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
In-Swing Hinged Patio Door (Single)	18"	36"	48"	119-½"	LC40-LC55	0.25-0.29	0.14-0.40	31-35	
In-Swing Hinged Patio Door (Double)	36"	36"	96"	119-½"	LC40-LC55	0.25-0.29	0.14-0.40	31-35	
Out-Swing Hinged Patio Door (Single)	18"	36"	48"	119-½"	R50-LC70	0.25-0.30	0.14-0.39	30-36	
Out-Swing Hinged Patio Door (Double)	36"	36"	96"	119-½"	R50-LC70	0.25-0.30	0.14-0.39	30-36	
Sliding Patio Door (O)	30-¼"	74"	60-¼"	119-½"	LC40-LC70	0.29-0.32	0.15-0.42	–	
Sliding Patio Door (OX, XO)	59-¼"	74"	119-½"	119-½"	LC35-LC65	0.29-0.32	0.15-0.42	29-35	
Sliding Patio Door (OXO)	90"	74"	180"	119-½"	LC30-LC45	0.29-0.32	0.15-0.42	–	
Sliding Patio Door (OXXO)	116-⅛"	74"	236-⅛"	119-½"	LC25-LC40	0.29-0.32	0.15-0.42	–	
Multi-Slide Patio Door	40-¼"	50-½"	701-⅞"	119-½"	R15-LC25[1]	0.30 – 0.36	0.15 – 0.46	31	For more info visit PellaADM.com
Bifold Patio Door	31-¼"	55-½"	312"	119-½"	R15-LC25[1]	0.26-0.44	0.13-0.45	–	

Window sizes available in 1/8" increments
Special sizes available. For more information regarding performance, visit pella.com/performance. For more information regarding frame and installation types, visit PellaADM.com.

Grilles

Integral Light Technology®

Choose the look of true divided light without sacrificing energy performance.

Putty Glaze Exterior with Ogee Interior® 7/8", 1-1/4" or 2"

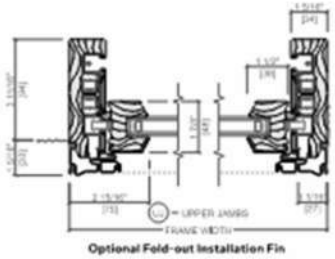
Putty Glaze Exterior with Ogee Interior® 7/8", 1-1/4" or 2"

Ogee Exterior with Ogee Interior® 7/8", 1-1/4" or 2"

7/8" Grilles

Cross Sections

Cross Sections



Optional Fold-out Installation Fin

The double-hung cross sections provide visual reference to the historic putty exterior profile and traditional, beveled Ogee interior that add architectural interest to your project.

[1] See back cover for disclosures.

Window Hardware

Classic Collection

Get a timeless look with authentic styles in classic finishes.

Fold-away Crank
Antek

Spoon-Style Lock

Finishes:

Champagne

White

Brown

Matte Black

Oil-Rubbed Bronze

Satin Nickel

Satin Brass

Rustic Collection

Create a distinct and charming look with distressed finishes.

Fold-away Crank
Antek

Spoon-Style Lock

Finishes:

Distressed Bronze

Distressed Nickel

Essential Collection

Select from popular designs and finishes to suit every style.

Fold-away Crank

Cam-Action Lock

Finishes:

Champagne

White

Brown

Matte Black

Oil-Rubbed Bronze

Satin Nickel

Satin Brass

Patio Door Hardware

Classic Collection

BALDWIN

Choose timeless pieces, created in collaboration with Baldwin® Hardware, for a look that will never go out of style.

Hinged & Bifold Patio Door Handle
Virago

Sliding & Multi-Slide Patio Door Handle
Ambrose

Multi-Slide Patio Door Handle[3,4]

Finishes:

Matte Black

Oil-Rubbed Bronze

Satin Nickel

Satin Brass

Essential Collection

Elevate your style and transform a home with elegant selections.

Hinged & Bifold Patio Door Handle
Standard

Sliding Patio Door Handle
Standard

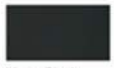
Multi-Slide Patio Door Handle[3,4]

Finishes:

Champagne

White

Brown



Matte Black

Oil-Rubbed Bronze

Satin Nickel

Satin Brass

Additional hardware collections available. Visit PellaADM.com for more information.

[3,4] See back cover for disclosures.

Colors

Wood Types

Choose the wood species that best complements your project's interior.

Custom solutions:

Prefinished Pine Interior Colors

Custom interior finishes, unfinished or primed and ready-to-paint are also available.

Extruded Aluminum-Clad Exterior Colors

Our low-maintenance EnduraClad® exterior finish resists fading. Take durability one step further with EnduraClad Plus which also resists chalking and corrosion.[7]

Custom colors are also available.

Added Peace of Mind

Integrated Security Sensors

Integrated wireless security sensors maintain aesthetics, streamline security installation and ensure no warranty loss is caused by post-installation drilling. Sensors can be monitored via the free Pella® Insynctive® App and are compatible with major security panel systems.[8] For more information, go to connectpella.com.

The Best Limited Lifetime Warranty in the Industry

We know your reputation matters and you stake your reputation on quality, dependable products. That's why we have the best limited lifetime warranty in the industry for wood windows and patio doors.[2]

[1] Some Pella products may not meet ENERGY STAR® guidelines in Canada. For more information, contact your local Pella sales representative or go to energystar.gc.ca.
[2] Based on comparing written limited warranties of leading national wood window and wood patio door brands. See written limited warranty for details, including exceptions and limitations, at pella.com/warranty or contact Pella Customer Service.
[3] Ratings are contingent on product configurations.
[4] Color matched to your product's interior and exterior color.
[5] Flush multi-slide handle is a Pella exclusive design.
[6] Flush multi-slide handle is not available in Champagne.
[7] EnduraClad Plus protective finish is not available with all colors. See your local Pella sales representative for availability.
[8] Requires the Insynctive App on a smart device, an Insynctive Bridge and a wireless home router with internet connection.

Construction Schedule

May 8, 2024: Get final AHRB approval for the project

May 9, 2024: Order the Pella Reserve window package

May 10, 2024: Apply for Summit County building permits

(note: all dates below are dependent upon issuance of building permits)

May 23, 2024: Deliver all prep and storage materials to the site as listed in Step 1 above

May 27, 2024: Begin Step 2 – West / Right Side Elevation

June 6, 2024: Begin Step 3 – North / Front Elevation

June 20, 2024: Begin Step 4 – East / Left Side Elevation

June 20, 2024: Pella Window order arrives (framers to begin installation for entire project)

July 1, 2024: Begin Step 5 – South / Rear Elevation

July 8, 2024: Begin to reinstall all siding and trim

J. Kapela Construction shall inform the AHRB board three days in advance of the beginning of each step of the process and welcome any site visits at any time to view the work in progress.