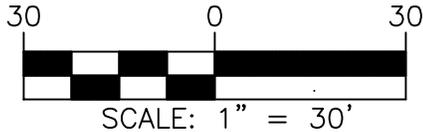


Basis of Bearings:

The Basis of Bearings is the centerline of Ravenna Street, S. 61°45'00"E., as defined in the deed recorded in Document Number 56454963 of the Summit County Records



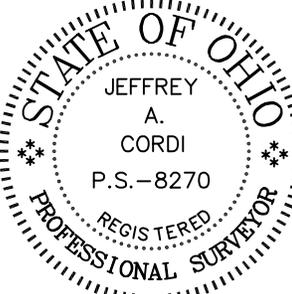
214 Ravenna Street
Ruth Von Schwerdtner, Trustee
Doc. #55746038
P.N. 32001862

Legend:

- monument box found
- iron pin found as noted

- property line
- other property line
- centerline
- fence
- power pole
- deciduous tree
- coniferous tree

1-1/4" pinch pipe
found 0.05'W., 0.21'S.



PREPARED BY:
JEFFREY A. CORDI, P.S.
170 HAZEL DRIVE
NORTHFIELD, OHIO 44067
330-388-8146
CordiSurvey@gmail.com

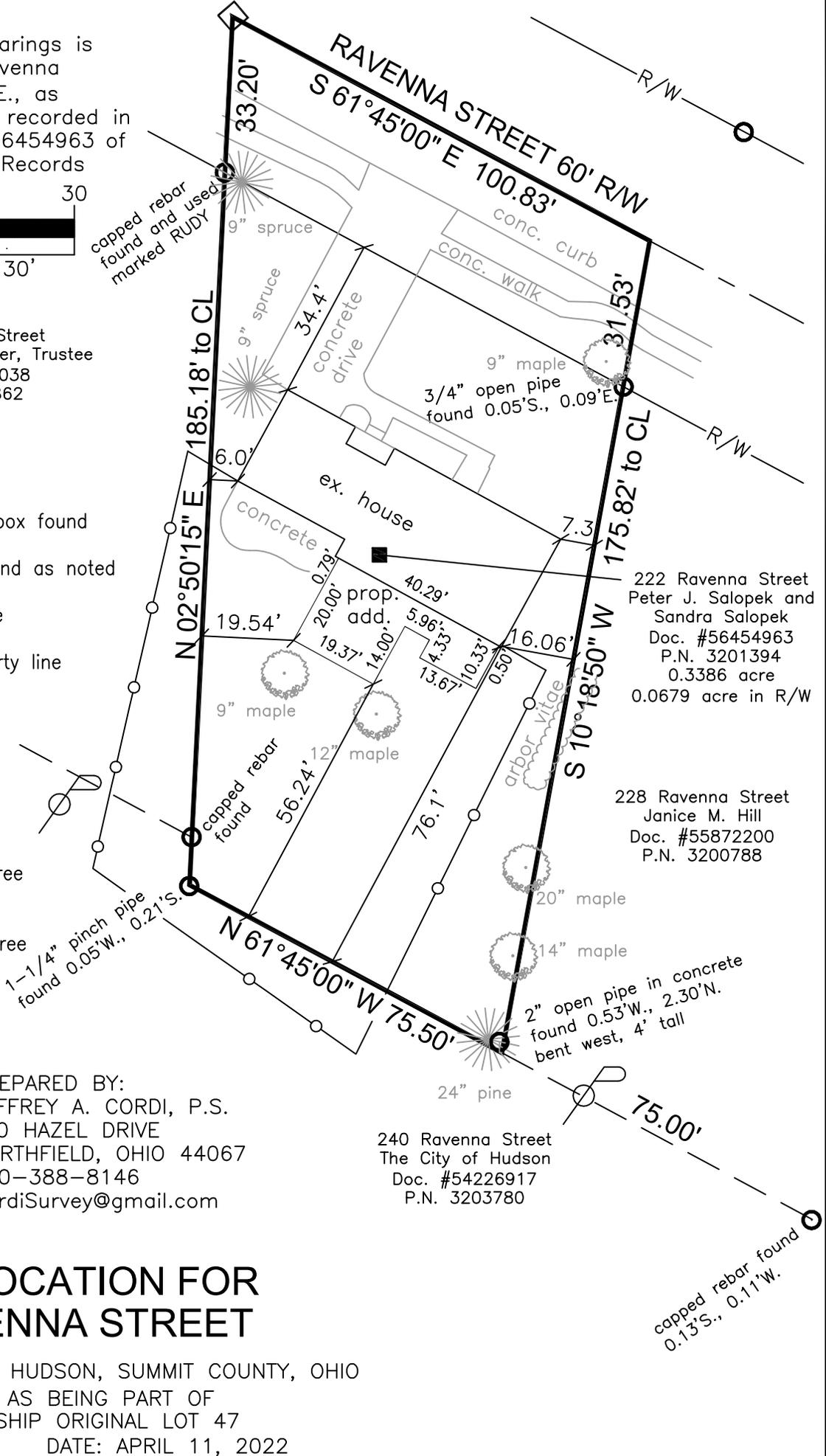
240 Ravenna Street
The City of Hudson
Doc. #54226917
P.N. 3203780

222 Ravenna Street
Peter J. Salopek and
Sandra Salopek
Doc. #56454963
P.N. 3201394
0.3386 acre
0.0679 acre in R/W

228 Ravenna Street
Janice M. Hill
Doc. #55872200
P.N. 3200788

HOUSE LOCATION FOR 222 RAVENNA STREET

SITUATED IN THE CITY OF HUDSON, SUMMIT COUNTY, OHIO
AND KNOWN AS BEING PART OF
HUDSON TOWNSHIP ORIGINAL LOT 47
SCALE: 1" = 30' DATE: APRIL 11, 2022



SALOPEK RESIDENCE-ADDITION & REMODEL

222 RAVENNA STREET-HUDSON, OHIO

CONSTRUCTION NOTES

COMMENTS/NOTES/SIGNATURES

FOUNDATIONS:

Design bearing pressure has been assumed to be 2000 PSF prior to construction. The general contractor must verify soil bearing pressure and that settlements at this pressure will be within acceptable limits.

CONCRETE:

1. Concrete to have a minimum cement content of 564#/y. A maximum water to cement ratio of 0.49 and obtain a minimum strength of 3000 PSI-28 days unless noted otherwise.

2. Use 6 % +/- 1% entrained air for all concrete exposed to weather.

3. All garage slabs shall have a minimum strength of 4000 PSI and shall be air entrained. 610lbs cement with c=0.48 air entrained

4. All basement and garage floor slabs to have control joints at a maximum of 15'-0" on center each way.

MASONRY:

1. Concrete masonry units per ASTM C90-01 min. fm=1900 psi grade N-1, brick masonry units per ASTM CC216-01a, grade S, type fbs, mortar per ASTM C270-01a, type S.

2. No backfilling against basement walls is to take place prior to bracing or installation of first floor joist bridging, and sheathing.

3. Provide min.16"x16" solid grouted masonry bearing for all steel beams.

4. Masonry wall reinforcement steel to be ASTM grade 615 60 KSI steel

5. Make sure block cores align so reinforcing falls within full core full height provide 2500 psi grout strength

6. Masonry construction shall comply with AC1530-16
Grout shall be placed with low lift grouting methods in lifts not exceeding 5'-0" in height, Otherwise inspection holes need placed in bottom of wall. Walls shall have horizontal reinforcing consisting of 9 Ga. Ladder reinforcing 16" o/c

STEEL:

1. Rolled shapes, plates and bars per ASTM A36, Pipe per ASTM A53.

2. Anchor bolts- see typical wall section for requirements

WOOD:

1. Ceiling joist must be continuous from eave to eave and connected to the rafters to resist the horizontal loads from the rafter to the support wall. Hip roof construction, knee wall construction or other construction situations where ceiling joists are not available, provide collar ties from rafter to rafter at or close as possible to eaves. Member to member connections shall be set forth in the Residential Building code of Ohio

2. Sawn lumber to be NO.2 grade D.F. or S.P.F

3. Trussed roofs, if applicable, to meet truss plate institute specifications for metal plate connected wood trusses TPI-1. Top chord live load =30 PSF minimum. Snow =50 PSF. Snow for drift areas (load duration factor of 1.15). Top chord dead load =10 PSF, bottom chord dead load =10 PSF. Maximum deflection L/360 for 100% LL+50%DL.

4. Trussed rafter members to be machine stress rated structural lumber as required for design loads. All truss designs by manufacturer.

5. All posts under beams to be 3-2x4 minimum unless noted otherwise. All post loads to be carried continuously down to foundations or supporting beams.

6. All exposed lumber or lumber in contact with concrete or masonry to be treated.

7. Double all floor joists running parallel under partition walls above.

8. Double All framing under whirl pools, spas or tubs, kitchen islands and fireplaces

9. Double full length all rafters & headers around skylights and dormers

10. Typical window & door lintels to be 2-2x10 with 1/2 inch plywood plate between (unless noted otherwise on floor plans).

11. All wood except for exterior treated lumber shall be a minimum of 8 inches above exterior grade per (2019 Ohio Residential Code R317.1)

WINDOWS & DOORS

1. All exterior doors to be insulated steel, doors to garages to be fire-rated and provide a self closer as required by local code.

2. All sleeping rooms shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside to a full opening without the use of separate tools. Where windows are provided as a means of egress or rescue they shall have a sill height of not more than 44 inches above the floor. All egress or rescue windows from sleeping rooms must have a minimum net clear opening of 5.7 square feet. The minimum net clear opening height shall be 24 inches. The minimum net clear opening width dimension shall be 20 inches per (2019 Ohio Residential Code R310.1)

3. Safety glass is required to be installed in all exit doors, door like fixed glass panels, patio doors, storm doors, shower doors, tub enclosures and all unframed glass doors and windows, windows adjacent to spa tubs per (2019 Ohio Residential Code R308.4)

FIRE CODE NOTES:

1. Wall and ceiling finishes shall have a smoke developed index of not greater than 450 per (2019 Ohio Residential Code 302.92)

2. Wall & ceiling finishes shall have a flame spread classification of not greater than 200 per (2019 Ohio Residential Code 302.91)

3. Smoke detectors on each level shall be installed in each sleeping area and outside each sleeping area in the immediate vicinity of the bedrooms per (2019 Ohio Residential Code 314.3)

4. Carbon monoxide alarms. For new construction and additions approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages per (2019 Ohio Residential Code 315.1)

5. Garages to be completely separated from other parts of the structure by means of 1 hour minimum fire resistant walls & ceilings per (2019 Ohio Residential Code R309.2)

6. Provide fireblocking per (2019 Ohio Residential Code 302.11)

In combustible construction, Fireblocking shall be provided to cut off both vertical and horizontal concealed draft openings and to form an effective fire barrier between stories, and between a top story and the roof space.

PLUMBING CODE NOTES:

1. Individual shower and tub shower combination valves installed shall be balanced pressure thermostatic or combo valves per (Ohio Plumbing Code 424.3)

2. All open vent pipes that extend through the roof shall be terminated 12" above the roof per (Ohio Plumbing Code 904.1)

STAIRS:

1. Stairway illumination per (2019 Residential Code of Ohio 303.6)

2. Stairway handrails to be continuous set at 36" above tread nosing per (2019 Residential Code of Ohio 311.7.7)

3.)Provide under stair protection per (2019 Residential Code of Ohio 302.7)

MISCELLANEOUS:

1. Premises identification
Approved addresses shall be provided for all new buildings in such a position as to be plainly visible and legible from the street or road facing the property. Street addresses shall be posted on site prior to starting work and during construction.

2. All grades at foundations shall have a minimum of 6" of fall within the first 10'-0"

3. Soffit & ridge vents must supply open space for ventilation of not less than 1/150 of the total attic or space they are ventilating. Provide screening as required.

4. Attic access doors insulated and weather stripped per (2019 Residential Code of Ohio 1102.2.3)

ELECTRICAL CODE NOTES

Electrical outlets switches and fixtures shown on plans are for illustrative purposes only. All electrical shall be to local and national codes.

GROUNDING ELECTRODE SYSTEM

1. NEC 250-50 Grounding Electrode System section 250.50 of The National Electrical Code requires electrodes as described in section 250.52 (A) (1) Through (A) (6) that are present at each building or structure shall be bonded together to form the grounding electrode system. This includes concrete encased electrodes, I.E. an electrode encased by at least 2 inches of concrete, located within and near the bottom of a concrete foundation or footing that is in direct contact with the earth, consisting of at least 20 feet or one or more bare zinc galvanized or other electrically conductive coated steel reinforcing bars or rods. Not less than 1/2 inch diameter, or consisting of at least 20 feet of bare copper conductor not smaller than 4 awg. Reinforcing bars shall be permitted to be bonded together by the usual steel tie wire or other effective means.

2. NEC 210-8 Ground Fault Circuit Interrupter Protection.
All 125 volt, single phase, 15 or 20 ampere receptacles installed in the locations specified in A through G shall have ground fault circuit interruptor protection.

A. Bathrooms

B. Garage

C. Outdoors

D. Crawl spaces at or below grade level

E. Unfinished basements

F. Kitchens where receptacles are installed to serve countertop surfaces

G. Laundry, Utility and wet bar sinks where the receptacles are installed within 6 feet of the outside edge of the sink.

3. NEC 210-12 (b) Arc Fault Circuit Interrupter Protection

All 125 volt single phase 15 or 20 ampere receptacles installed in dwelling unit Family Rooms, Dining Rooms, Living Rooms, Parlors, Libraries, Dens Bedrooms, Sun rooms, Rec Rooms, Closets, Hallways or similar rooms shall be protected by an Arc Fault Circuit Interrupter listed to provide protection of the entire branch.

4. NEC 210-52 (E) Outdoor Outlets

At least one receptacle outlet accessible while standing at grade level and not located more than 6 1/2 feet above grade shall be installed at the front and back of the dwellings, provide bubble type cover for weather proofing.

5. NEC 210-52 (E) (3) Balconies Deck and Porches

All Balconies Decks or Porches that are accessible from the inside the dwelling unit shall have at least one receptacle outlet installed within the perimeter of the Balcony, Deck or Porch. The receptacle shall not be located more than 6 1/2 feet above the Balcony, Deck or Porch, provide bubble type cover for weather proofing.

6. NEC 406.11 Tamper Resistant Receptacles

All 125 volt 15 and 20 ampere receptacles shall be listed as tamper resistant receptacles.

7. Provide a minimum of 30"x36" clear working area in front of the disconnecting means for the condensing unit per (2017 National Electrical Code 110-26 (A1) and 110-26 (A2)).

8. Provide and electrical outlet within 25'-0" of condensing units per (2017 National Electrical Code 210.63).

9. All Bathrooms to be equipped with exhaust fans vented to the outside, Do not vent to Attic per (2019 Ohio Residential Code R-303.3).

In the preparation of these documents every attempt has been made to insure correct dimensions and proper construction practices. Dimensions take precedence over scale. It is the responsibility of the contractor to verify the information herein and to correct errors and oversights. The contractor is responsible for assuring that all work is done in accordance with local codes whether indicated as such on the drawings or not. It is the contractors responsibility to provide proper flashing, ice guarding and caulking as required to ensure proper weather proofing of structure.

DESIGN CRITERIA

DRAWING SCHEDULE

SQUARE FOOTAGE

ENERGY CODE

LUMBER ALLOWABLE STRESSES	Fb=1000 PSI E=1,700,000 Fv=95 PSI
FLOOR LOADS	40 PSF LIVE 15 PSF DEAD
ROOF LOADS	30 PSF LIVE 15 PSF DEAD

WIND LOAD (115 MPH 3 SECOND GUST) 20 PSF

SOIL LOAD BEARING PRESSURE 2,000 PSF

T1	TITLE PAGE WITH CONSTRUCTION NOTES		
A1	REAR, RIGHT & LEFT ELEVATIONS		
A2	PROPOSED BASEMENT & FOUNDATION PLAN		
A3	PROPOSED FIRST FLOOR PLAN		
A4	EXISTING FLOOR PLANS		
A5	TYPICAL WALL SECTION ADDITION CROSS SECTIONS & ROOF PLAN		
A6	WALL BRACING DETAILS & NOTES		

FIRST FLOOR PLAN: ADDING 579 SQ. FT.

SECOND FLOOR PLAN: NONE

BASEMENT: 482 SQ. FT. FINISHED

OHIO HOME BUILDERS ASSOCIATION ALTERNATIVE ENERGY COMPLIANCE PATH #1

EXTERIOR WALL INSULATION BLOWN IN FIBERGLASS INSULATION RESULTING IN R-15

CEILING INSULATION BLOWN IN FIBERGLASS INSULATION RESULTING IN R-49

FOUNDATION WALL INSULATION R-10 INSULATION TO FLOOR

EXTERIOR WINDOWS & DOORS (VERIFY WITH MANUFACTURE) .30 SOLAR HEAT GAIN COEFFICIENT (SGH) WITH A U-VALUE OF .32

ENTRY DOORS (VERIFY WITH MANUFACTURER) .28 SOLAR HEAT GAIN COEFFICIENT (SGH) WITH A U-VALUE OF .24

REVISIONS

DATA

JOB NUMBER: 202213

DATE DRAWN: 04-04-22

DRAWN BY: D.P.

SALOPEK RESIDENCE-ADDITION & REMODEL

222 RAVENNA STREET-HUDSON, OHIO



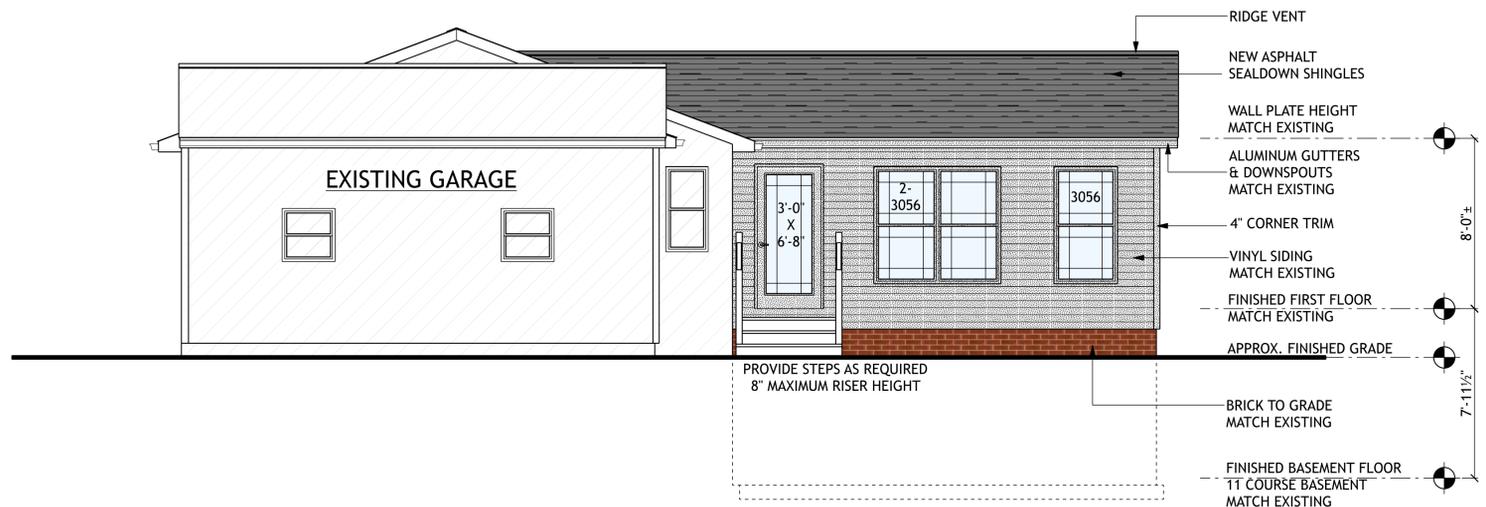
The Planworks, LLC.
Residential Design and Consulting
info@theplanworks.com
Phone: 440-413-5522

T1



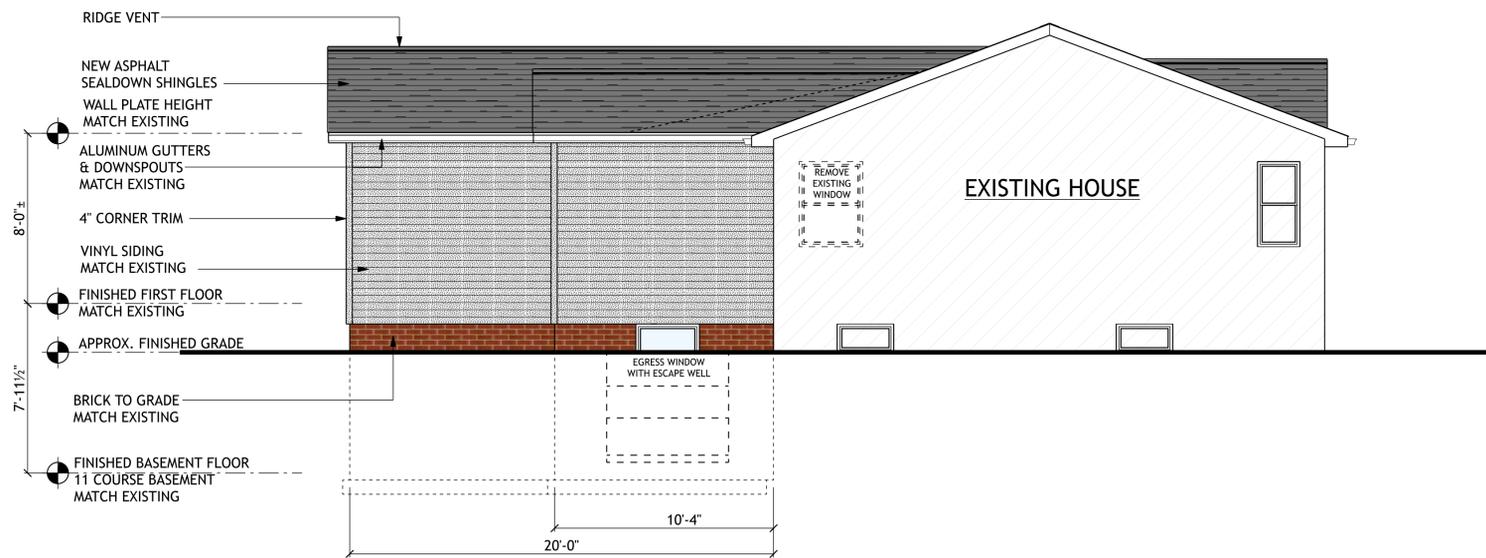
PROPOSED REAR ELEVATION

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



PROPOSED RIGHT SIDE ELEVATION

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



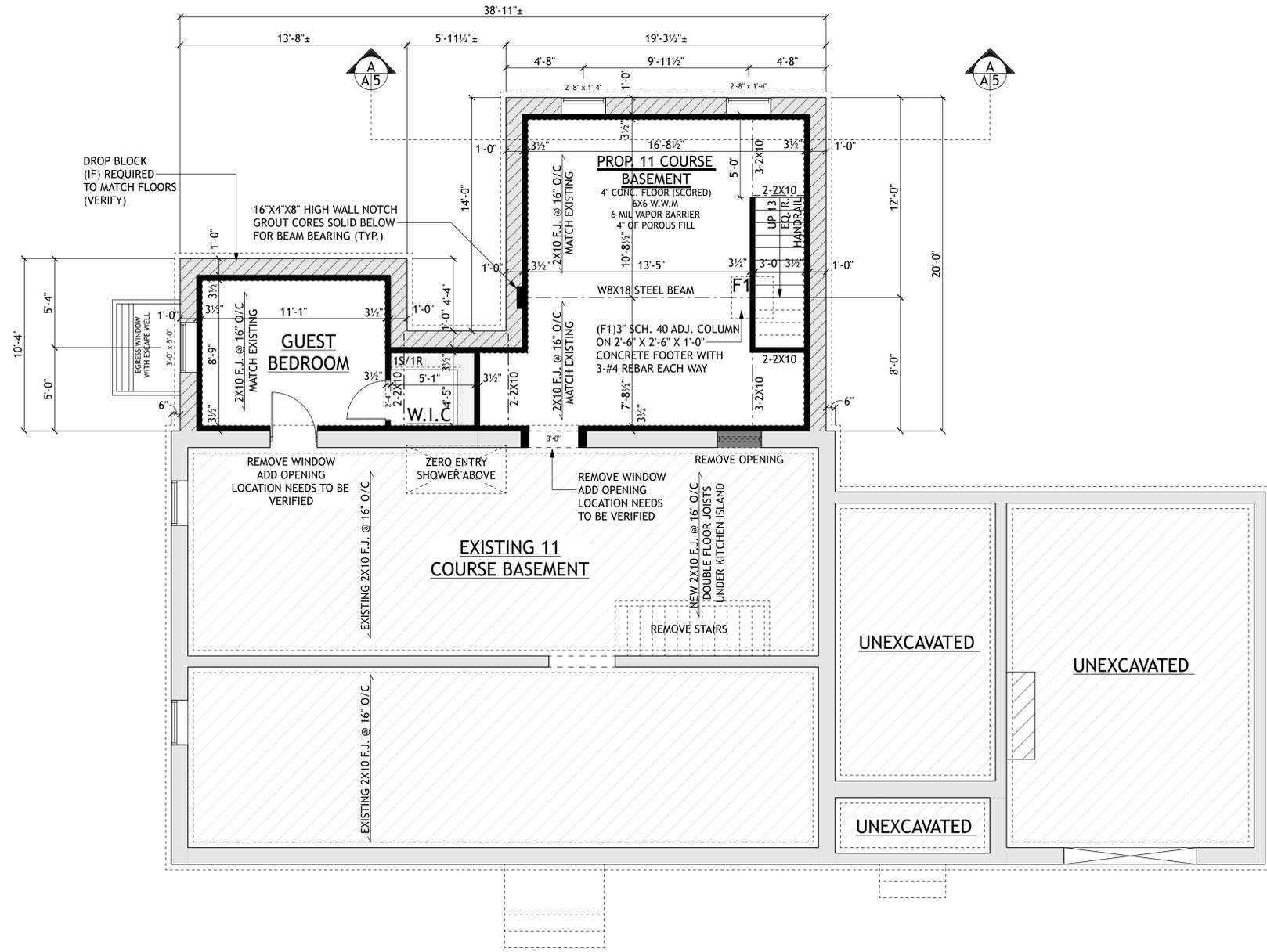
PROPOSED LEFT SIDE ELEVATION

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

REVISIONS

DATA
JOB NUMBER: 202213
DATE DRAWN: 04-04-22
DRAWN BY: D.P.

A1



WALL LEGEND

- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE REMOVED
- NEW WALLS TO BE BUILT

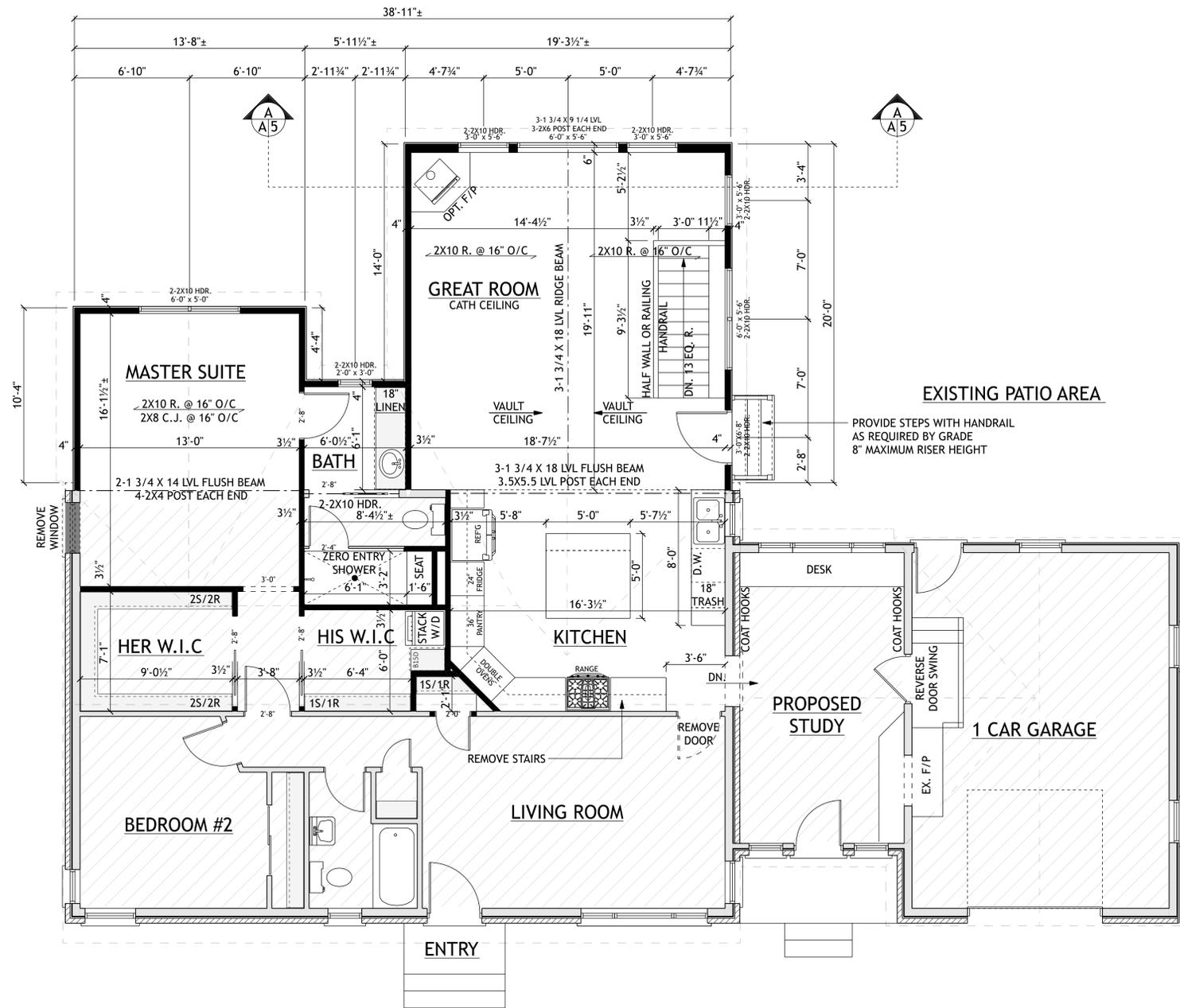
CONSTRUCTION NOTES

- PROVIDE DOUBLE FLOOR JOIST UNDER ALL PARALLEL WALLS, SPA TUBS AND KITCHEN ISLANDS ABOVE
- PROVIDE BRICK TO GRADE ALL SIDES OF EXTERIOR FOUNDATION (SEE ELEVATIONS)
- PROVIDE 2-BAYS OF SOLID BLOCKING @ 4'-0" O/C WHEN FLOOR JOISTS ARE PARALLEL TO FOUNDATION WALLS

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

DATA	REVISIONS
JOB NUMBER: 202213	
DATE DRAWN: 04-04-22	
DRAWN BY: D.P.	

A2



WALL LEGEND

- EXISTING WALLS TO REMAIN
- ⋯ EXISTING WALLS TO BE REMOVED
- NEW WALLS TO BE BUILT

PROPOSED FIRST FLOOR PLAN

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

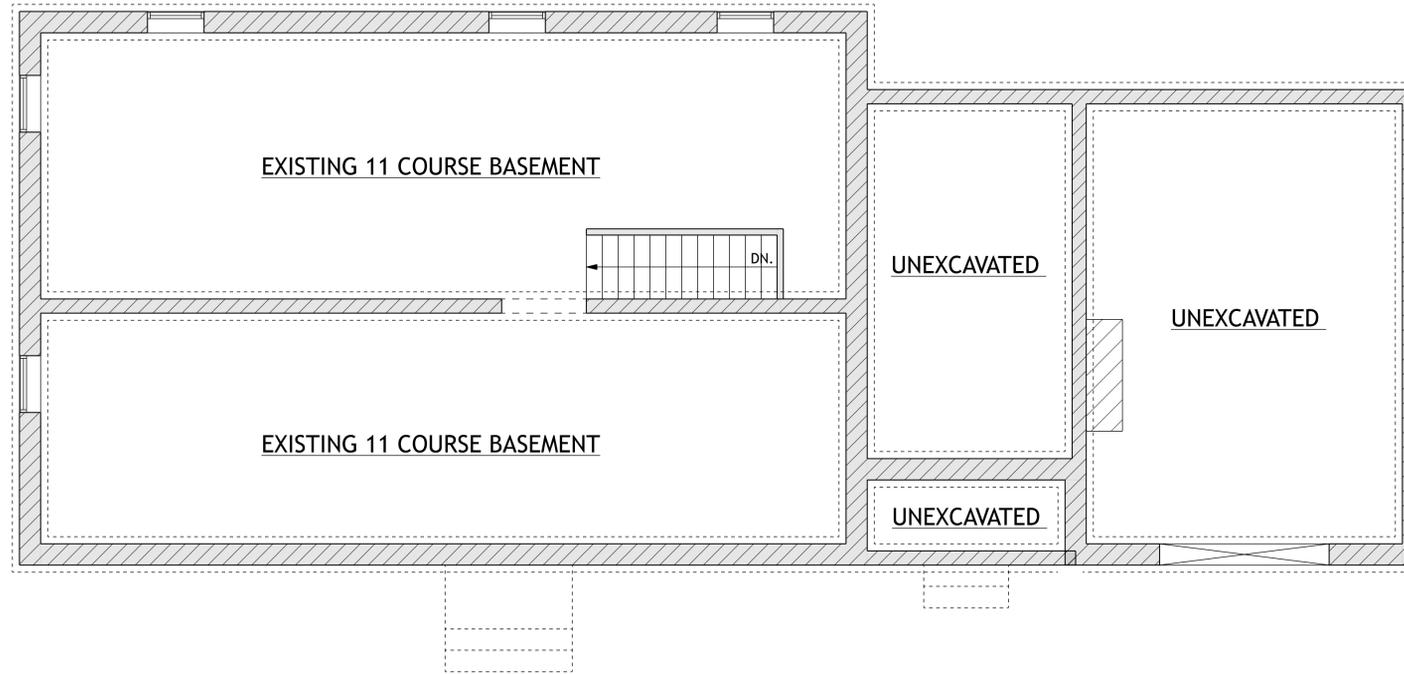
REVISIONS

DATA
JOB NUMBER: 202213
DATE DRAWN: 04-04-22
DRAWN BY: D.P.

A3

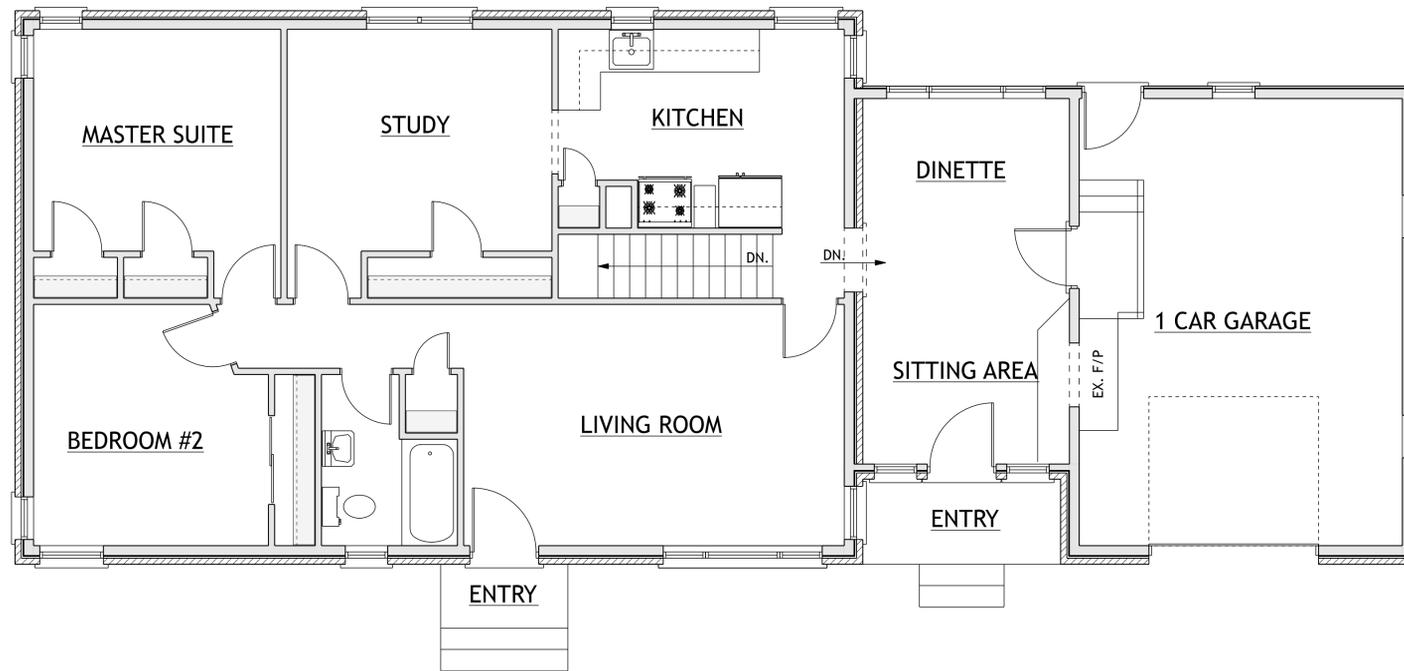
SALOPEK RESIDENCE-ADDITION & REMODEL

222 RAVENNA STREET-HUDSON, OHIO



EXISTING FOUNDATION PLAN

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

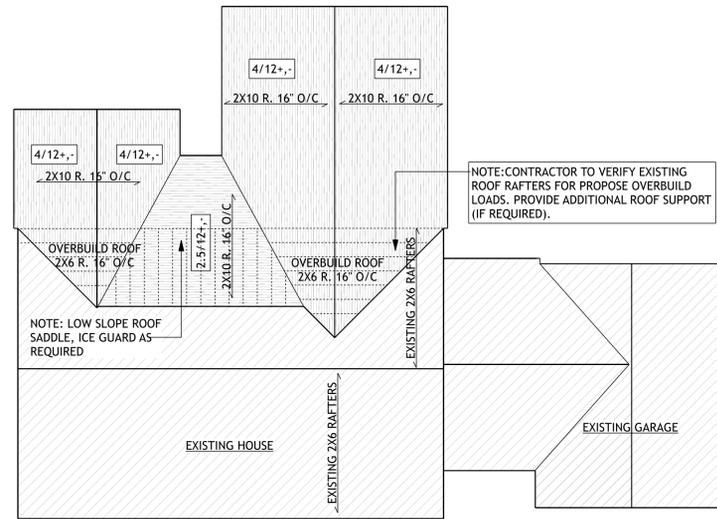


EXISTING FIRST FLOOR PLAN

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

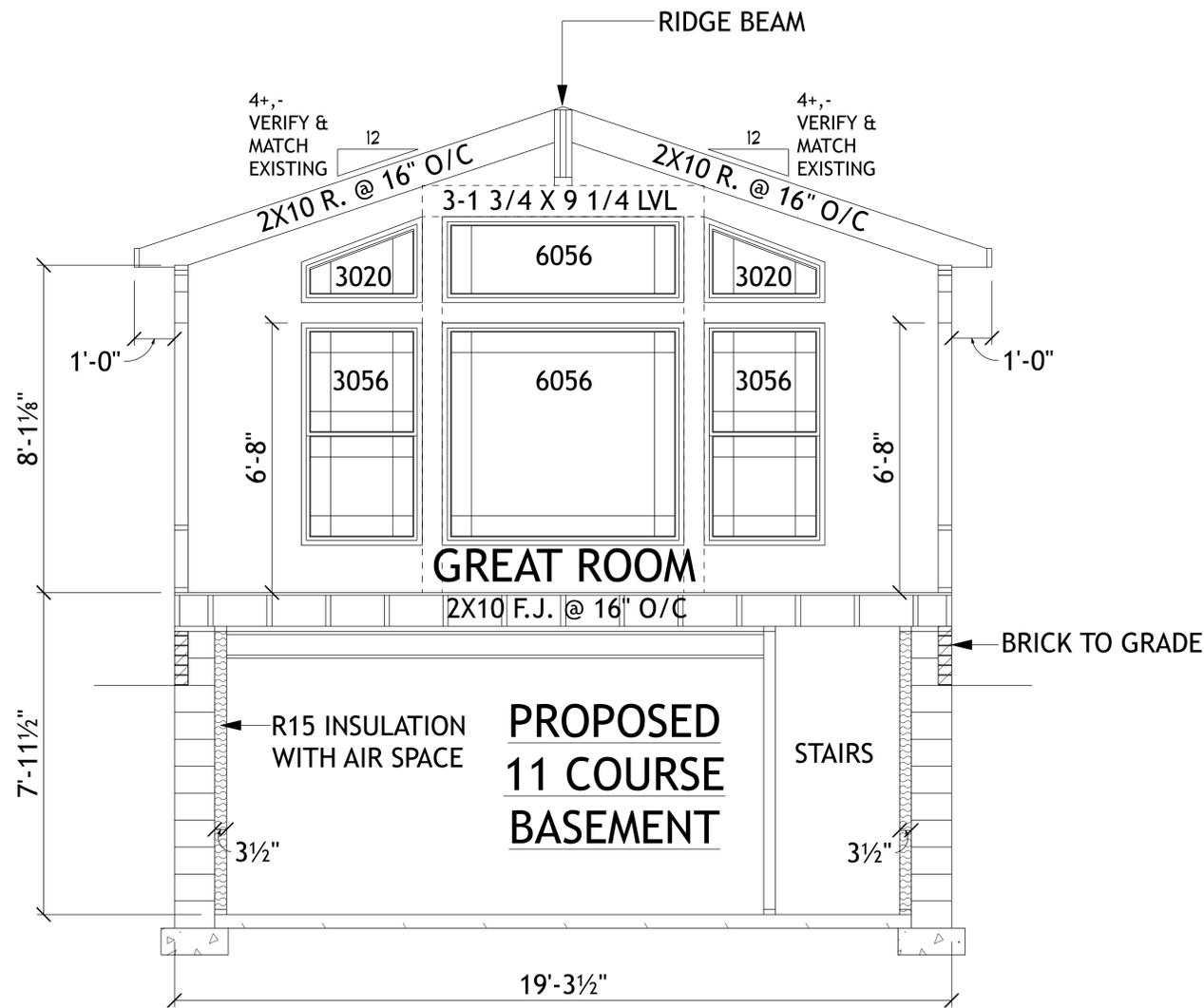
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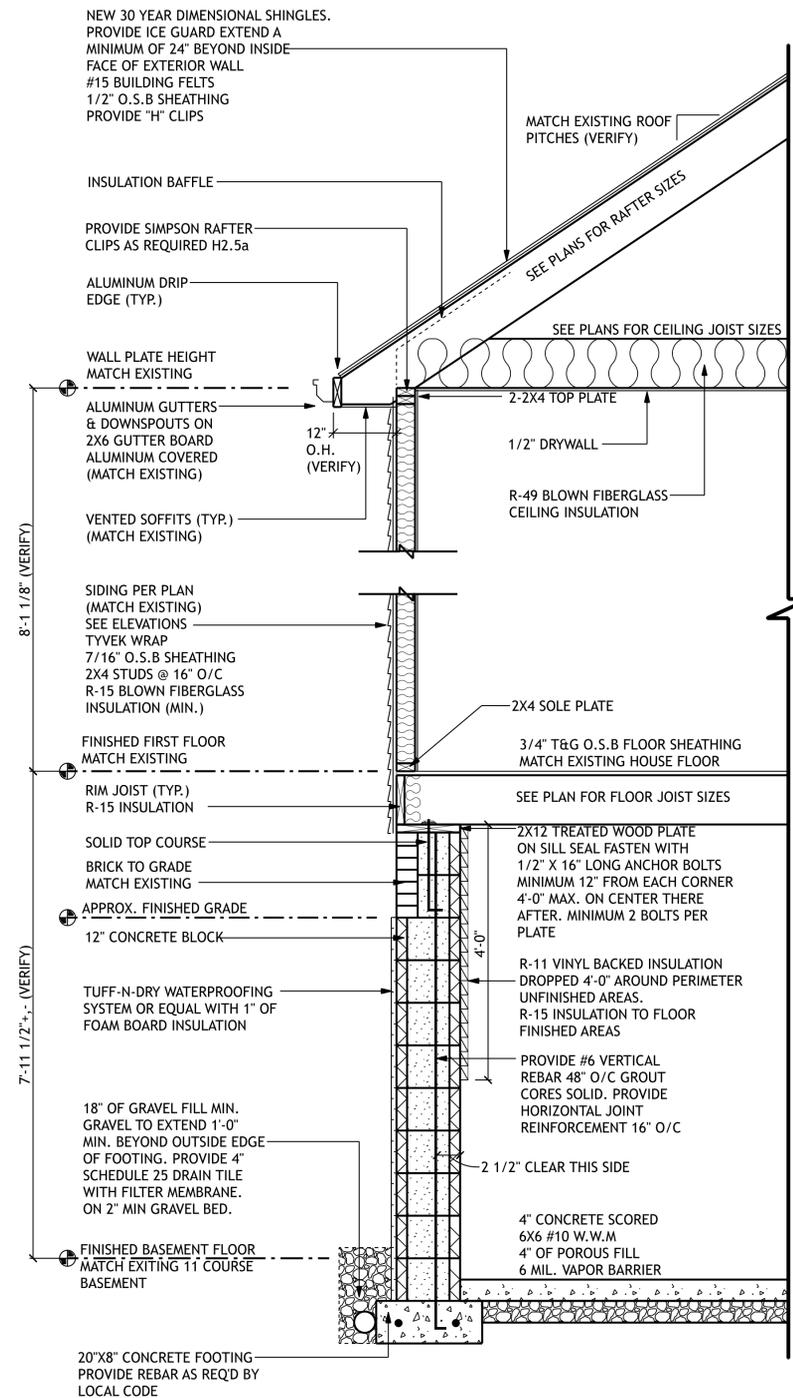
ROOF PLAN

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



ADDITION CROSS SECTION A

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



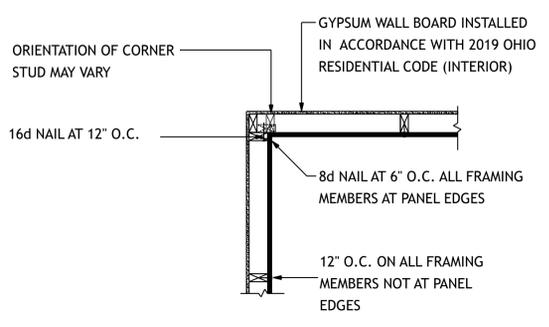
TYPICAL WALL SECTION

SCALE: 3/4" = 1'-0"

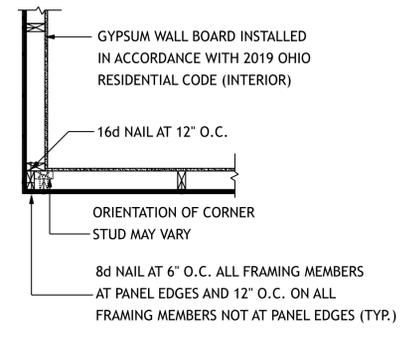
NO.	REVISIONS

NO.	DATE	BY

REVISIONS

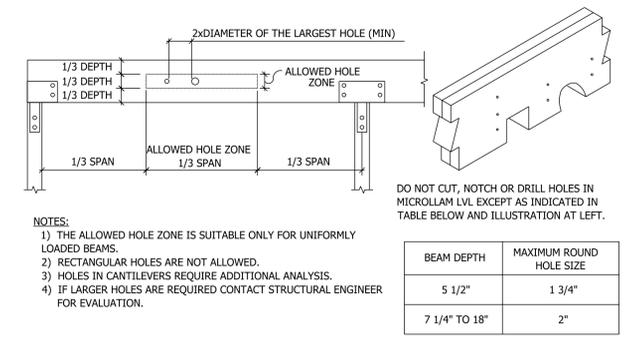


APA WALL BRACING INSIDE CORNER DETAIL



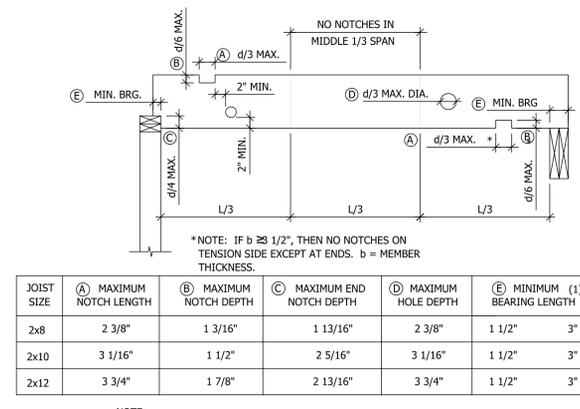
APA WALL BRACING OUTSIDE CORNER DETAIL

- 2019 OHIO RESIDENTIAL CODE OF OHIO 602.10 WALL BRACING NOTES
1. MAXIMUM BRACED WALL LINE SPACING 60'-0"
 2. MAXIMUM BRACED WALL LINE OFFSET 4'-0"
 3. BRACED WALL PANELS TO BEGIN 10'-0" MAXIMUM FROM ENDS OF BRACED WALL LINES
 4. 20'-0" MAXIMUM BETWEEN BRACED WALL PANELS
 5. 16'-0" OR LESS BRACED WALL LINES REQUIRE MIN. TWO BRACED PANELS EQUALING 48" MIN.
 6. 16'-0" OR GREATER BRACED WALL LINES REQUIRE MINIMUM TWO BRACED WALL PANELS
 7. BRACED WALL PANEL FASTENERS REFERENCE TABLE 602.3.1 OF THE 2019 RESIDENTIAL CODE OF OHIO
 8. BRACED WALL PANEL MINIMUM LENGTHS REFERENCE 602.10.5 OF THE 2019 RESIDENTIAL CODE OF OHIO
 9. MASONRY STEM WALL SUPPORT FOR GARAGE WALLS REFERENCE 602.10.9 OF THE 2019 RESIDENTIAL CODE OF OHIO



ALLOWABLE HOLES IN LVL & PARALLAM BEAMS
 SCALE: N.T.S.

BEAM DEPTH	MAXIMUM ROUND HOLE SIZE
5 1/2"	1 3/4"
7 1/4" TO 18"	2"



ALLOWABLE JOIST HOLES & NOTCHES
 SCALE: N.T.S.

JOIST SIZE	(A) MAXIMUM NOTCH LENGTH	(B) MAXIMUM NOTCH DEPTH	(C) MAXIMUM END NOTCH DEPTH	(D) MAXIMUM HOLE DEPTH	(E) MINIMUM BEARING LENGTH (1)
2x8	2 3/8"	1 3/16"	1 13/16"	2 3/8"	1 1/2" 3"
2x10	3 1/16"	1 1/2"	2 5/16"	3 1/16"	1 1/2" 3"
2x12	3 3/4"	1 7/8"	2 13/16"	3 3/4"	1 1/2" 3"

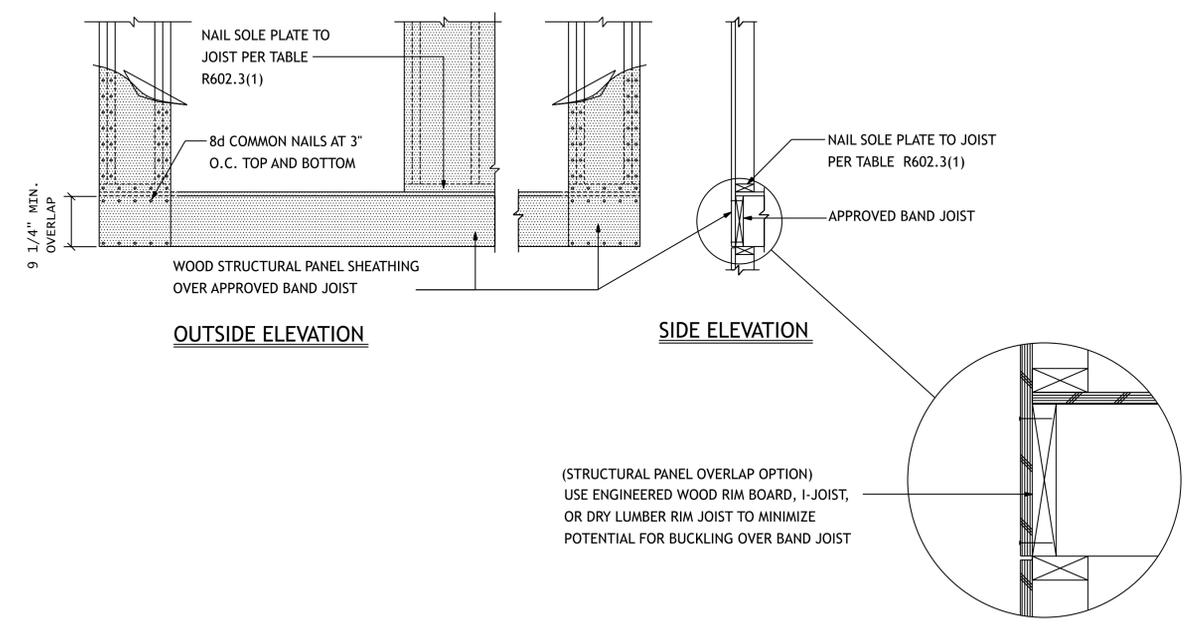
NOTE:
 (1) MINIMUM BEARING: 1 1/2" ON WOOD OR STEEL, 3" BEARING ON MASONRY.

FASTENING SCHEDULE

CONNECTION	FASTENING a, b	LOCATION
SOLE PLATE TO JOIST OR BLOCKING	16d AT 16" O.C. 3" x 0.131" NAIL AT 8" O.C. 3" 14 GAGE STAPLE AT 12" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3-16d PER 16" 3" x 0.131" NAIL 16" 3" 14 GAGE STAPLE PER 16"	BRACED WALL PANELS
TOP PLATE TO STUD	2-16d COMMON 3" x 0.131" NAIL 3" 14 GAGE STAPLE	END NAIL
STUD TO SOLE PLATE	4-8d COMMON 4" x 0.131" NAIL 3" 14 GAGE STAPLE	TOE NAIL
	2-16d COMMON 3" x 0.131" NAIL 3" 14 GAGE STAPLE	END NAIL
DOUBLE STUDS	16d AT 24" O.C. 3" x 0.131" NAIL AT 8" O.C. 3" 14 GAGE STAPLE AT 8" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	16d AT 16" O.C. 3" x 0.131" NAIL AT 12" O.C. 3" 14 GAGE STAPLE AT 12" O.C.	FACE NAIL
	8-16d COMMON 12" x 0.131" NAIL 12" x 0.131" NAIL 3" 14 GAGE STAPLE TYPICAL FACE NAIL	LAP SPLICE
BLOCKING BETWEEN JOISTS OR RAFTERS TOP PLATE	3-8d COMMON 3" x 0.131" NAIL 3" 14 GAGE STAPLE	TOE NAIL
RIM JOIST TO TOP PLATE	8d AT 6" (153 MM) O.C. 3" x 0.131" NAIL AT 6" O.C. 3" 14 GAGE STAPLE AT 6" O.C.	TOE NAIL
TOP PLATES, LAPS AND INTERSECTIONS	2-16d COMMON 3" x 0.131" NAIL 3" 14 GAGE STAPLE	FACE NAIL
RAFTER TO PLATE SEE SECTION 2308.10.1, TABLE 2308.10.1	3-8d COMMON 3" x 0.131" NAIL 3" 14 GAGE STAPLE	TOENAIL
1" DIAGONAL BRACE TO EACH STUD AND PLATE	3-8d COMMON 2" x 0.131" NAIL 2" x 0.131" NAIL	FACE NAIL
BUILT-UP CORNER STUDS	16d COMMON 3" x 0.131" NAIL 3" 14 GAGE STAPLE	24" o.c. 16" o.c. 16" o.c.
BUILT-UP GIRDER AND BEAMS	20d COMMON 32" O.C. 3" x 0.131" NAIL 24" O.C. 3" 14 GAGE STAPLE 24" O.C. 2-20d COMMON 3" x 0.131" NAIL 3" 14 GAGE STAPLE	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
LEDGER STRIP	3-16d COMMON 4" x 0.131" NAIL 4" x 0.131" NAIL	FACE NAIL

a. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE NOTED.
 b. STAPLES SHALL HAVE A MIN. CROWN WIDTH OF 7/16 INCH.
 c. SEE SECTIONS FOR FASTENING NOTES NOT SHOWN IN THIS TABLE.

TYPICAL STRUCTURAL DETAILS



APA WALL BRACING METHOD WITHOUT HOLD DOWNS









