PROPOSED REMODEL for

Chapman Residence 1090 Homeland Dr Rocky River, Ohio 44116

GENERAL FRAMING & DESIGN NOTES

- I. WOOD STRESS GRADES:
 - SOLID STRUCTURAL FRAMING MEMBERS:

 Fb= 975 PSI

 F= 1 400 000 PSI
- 2. CONSTRUCTION TO CONFORM TO NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION. FIREBLOCKING SHALL BE INSTALLED IN ALL WALLS PER ORC 302.11.
- 3. FRAMING TIMBER TO BE SOUTHERN YELLOW PINE, NO.2 GRADE OR BETTER.
- 4. TYPICAL WINDOW AND DOOR HEADER LINTEL (T.L.) TO BE MINIMUM OF (3) 2"x IO" WITH (2) ½" PLYWOOD PLATES BETWEEN UNLESS NOTED. ALL HEADERS TO HAVE A BEARING OF 4" BOTH SIDES OVER SOLID JACK POSTING (TYP).
- 5. PROVIDE HEADERS OVER ALL OPENINGS IN NON BEARING WALLS AS FOLLOWS (UNLESS NOTED):

UP TO 5'-O" 2" x 10" 5'-O" TO 9'-O" 2" x 10" 2" x 12"

ADD MEMBERS AND PLYWOOD AS NEEDED TO MATCH WALL THICKNESS.

6. WALLS AND SILLS TO BE ANCHORED TO THE FOUNDATION USING ½" x 15" LONG THREADED STEEL ANCHOR BOLTS. BOLTS ARE TO BE INSTALLED A MIN OF 12" OFF EACH CORNER AND A MINIMUM OF TWO BOLTS ARE TO BE INSTALLED IN EACH SILL PLATE. ANCHOR BOLTS ARE TO BE SPACED A MAXIMUM OF 60" o/c ELSEWHERE, UNLESS NOTED OTHERWISE. BOLTS TO CONFORM WITH ASTM A-307 AND INCLUDE WASHERS AND NUTS. BOLTS TO HAVE A MINIMUM OF 2" PROJECTION ABOVE SILL PLATE (EXPOSED THREADS).

NOTE: SIMPSON STRONG TIE # HDU4-SDS2.5,OR DESIGNER APPROVED EQUAL, HOLD DOWN ANCHORS MAY BE SUBSTITUTED FOR THE APA WALL DETAILS SHOWN.

- 7. ALL BUILT-UP POSTS UNDER BEAMS TO BE A MINIMUM (3) NOMINAL 2" x 4" FULL LENGTH STUDS. LVL POST TO BE INSTALLED WHERE NOTED. ALL POSTS TO BE CONTINUOUS FROM SUPPORT BEAM TO FOUNDATION AND FASTENED WITH CLIPS AS NOTED. FIELD FRAMED POSTS TO BE NAILED USING 1 Gd NAILS AT 8" CENTERS BETWEEN EACH INDIVIDUAL MEMBER.
- 8. CUTTING OF JOIST / BEAMS FOR PIPING SHALL CONFORM TO ACCEPTABLE LUMBER PRATICES AS OUTLINED IN "OHIO RESIDENTIAL CODE" OR AS DIRECTED BY DESIGNER. HOLES IN SILLS, OR PLATES OF SHEAR AND BEARING WALLS ARE TO BE CENTERED IN THE MEMBER AND THE DIAMETER SHALL BE NO LARGER THAN 1/3 THE WIDTH OF THE MEMBER. NOTCHING OF THE MEMBER IS NOT PERMITTED. SHOULD A HOLE LARGER THAN THAT NOTED ABOVE BE NEEDED, THE MEMBER IS TO BE CONSIDERED TWO PIECES AND REINFORCING AND ANCHORING SHALL BE INSTALLED ACCORDINGLY.
- 9. OVERSIZED HOLES (16") FOR ALL BOLTS ARE TO BE INSTALLED. WASHERS ARE TO BE USED AT ALL LOCATIONS WHERE THERE IS A NUT AGAINST WOOD. WASHERS ARE TO BE STANDARD PLAIN WASHERS EXCEPT AS NOTED OTHERWISE. BOLTS TO CONFORM TO ASTM A-307 AND TO BE GALVANIZED WHERE EXPOSED TO WEATHER.
- 10. STUD WALLS ABOVE 8'-0" ARE TO HAVE HORIZONTAL BRIDGING INSTALLED. STUD WALLS SUPPORTING BEAMS ARE TO HAVE SOLID POSTING UNDER THE BEAM BACK TO EITHER THE FOUNDATION OR BEAM SUPPORT.

- II. ALL POSTS OR STUD WALLS INTERSECTING WITH CONCRETE OR MASONRY TO HAVE THE END OF THE MEMBER BOLTED WITH ½" DIAMETER SLEEVE ANCHORS AND BE PRESSURE TREATED LUMBER OR PROPELY SEPERATED FROM CEMENT CONTACT.
- 12. DOUBLE PLATES TO LAP A MINIMUM OF 48" AND TO BE NAILED USING 8-16d NAILS (MNIMUM), OR AS DIRECTED BY DESIGNER OR NOTED. ALL CUTS IN PLATES TO OCCUR OVER BEARING LOCATIONS.
- 13. JOIST HANGERS, STRAPS, HURRICANE CLIPS, OR OTHER ITEMS NOTED ON THE DRAWING ARE TO BE SUPPLIED BY SIMPSON STRONG TIES, OR DESIGNER APPROVED EQUAVILANT. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL AND STATE DESIGN CODES.
- 14. PARTITION WALLS TO BEAR FULLY ON FLOOR JOIST BELOW (SEE FRAMING PLAN).
- 15. DOUBLE HEADERS TO BE INSTALLED AT EACH OPENING (FLOOR). DOUBLING OF FLOOR JOISTS UNDER EXCESSIVE LOADS (WHIRLPOOLS, TUBS) ARE TO BE COORDINATED WITH OWNER AND FINAL DESIGN.
- 16. COORDINATE STAIRS, IF REQUIRED, WITH FINAL SITE LOCATION AND FOUNDATION (SLAB OR BASEMENT). STAIRS RISER NOT TO EXCEED 8.25".
- 17. EXPOSED LUMBER OR LUMBER IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED / WOLMANIZED.
- 18. FIRE STOPPING TO BE INSTALLED IN ACCORDANCE WITH LATEST ADDITION OF LOCAL AND RESIDENTIAL CODE (RCO-302.11,502.13).
- 19. GALZING ADJENT TO DOOR SHALL BE SAFETY GALZING (ORC 308.4.7)
- 20. FIELD VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK. IN THE EVENT OF DISCREPENCRY NOTIFY THE DESIGNER FOR CLAIRIFICATION. ALL CHANGES TO BE IN WRITING.
- 21. DO NOT SCALE DRAWINGS.
- 22. DO NOT BACK FILL AGAINST BELOW GRADE WALLS UNTIL THE FIRST FLOOR FRAMING, AND FLOOR SHEETING ARE INSTALLED.
- 23. THE DESIGN IS BASED ON A SOIL BEARING OF 2,000 PSF (SILTY SAND, CLAYEY, (SW,SP,SM,SC,GM, and GC)).
- 24. APPLICANT SHALL MEET ALL APPLICABLE REQUIREMENTS OF ORC 1112-OHIO HOME BUILDERS ASSOCIATION (OHBA) ALTERNATIVE ENERGY CODE, PATH 2 FOR ZONE 5.
- 25. FINAL GRADE SHALL BE DETERMINED AS A SEPERATE SUBMISSION FROM THIS DOCUMENT AND WILL DEPEND ON THE FOUNDATION BEING INSTALLED (SLAB OR BASEMENT). COORDINATE SLOPE AWAY FROM STRUCTURE (6" DROP TO A POINT 10' AWAY). IMPERVIOUS SURFACES SHALL HAVE A 2% SLOPE AWAY FROM STRUCTURE (ORC 401.3)
- 26. CONCRETE:

 CONCRETE FOR FOUNDATIONS SHALL MEET OR EXCEED ODOT CLASS "C"
- 27. ELECTRIC PANEL, INSULATION AND HVAC EQUIPMENT SHALL BE PERMANENTLY LABELED PER ORC 1112.1.8, M-1302, AND M-1303

- 28. ROLLED STEEL SHAPES, PLATES, ANGLES AND BARS SHALL CONFORM TO ASTM A-36
- 29. STEEL PIPE TO CONFORM TO ASTM A501.
- 30. WATER LINES TO BE INSULATED PER (OPC 305.4), AND PROTECTED IN CONCEALED SPACES (OPC305.6).
- 31. WATER SUPPLY LINE TO BE PROPERLY FLUSHED AND TESTED FOR PURITY PRIOR TO PUTTING INTO SERVICE.
- 32. BATHROOMS REQUIRING EXHAUST FANS SHALL BE VENTED TO THE OUTSIDE. EXHAUSTING INTO ATTIC SPACES OR CRAWL SPACES IS NOT PERMITTED.
- 33. ALL GUTTERS, DOWNSPOUTS AND STORM DRAINAGE SHALL DISCHARGE INTO APPROVED DISCHARGE MEANS AS APPROVED BY LOCAL ATHORITY HAVING JURISDICTION. GUTTERS TO BE EXTRUDED ALUMINUM (0.016 GAGE (nin)). DOWNWPOUTS TO BE STANDARD 3" RECTANGULAR CORRUGATED. DESIGN LOCATIONS BAESED ON 100 YR INTENSITY (5 MIN INTENSITY). FIELD VERIFY LOCATIONS WITH FINAL SITE.
- 34. CONTRACTOR IS SOLELY RESPONSIBLE TO ASSURE THAT ALL WORK IS COMPLETED ACCORDING TO LOCAL, STATE AND FEDERAL CODES / REGULATIONS. OMISSION OF SUCH DETAILS DO NOT RELIEVE THE CONTRACTOR AND THEIR TRADES FROM COMPLETING THE PROJECT PER CODE.
- 35. PREPERATION OF THESE DOCUMENTS INCLUDE EVERY ATTEMPT TO CLEARLY DIMENSION AND IDENTIFY THE SCOPE OF WORK REQUIRED TO COMPLETE THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION AND CORRECT ERRORS AND OMISSIONS. CONTACT THE DESIGNER IF CLAIRIFICATION IS NEEDED TO CORRECT THE ERROR / OMISSION.
- 36. WHEN APPLICABLE, ELECTRICAL FIXTURES AND RECEPTICALS ARE SHOWN FOR GENERAL INFORMATION ONLY. VERIFY EXACT LOCATION, AND QUANTITY WITH OWNER PRIOR TO COMMENSING WORK. ALL WORK IS TO COMPLY WITH N.E.C., LOCAL AND STATE REGULATIONS.
- 37. IN ROOMS WHERE TUBS, SINKS OR OTHER WATER SOURCES ARE LOCATED, ALL RECEPTICALS ARE TO BE GFCI RATED (GFCI). IN ALL REMAINING RECEPTICALS ARE TO BE ARC FAULT RATED (ARC). RECEPTICALS ARE TO BE GROUNDED BACK TO THE POWER PANEL. COORDINATE COLOR WITH OWNER. ALL RECEPTICALS TO BE INSTALLED 18" ABOVE THE FLOOR, OR AS NOTED ON THE DRAWING. COORDINATE ALL HEIGHT AND OUTLET USE AT CABINET WITH OWNER PRIOR TO WIRING.
- 38. ALL DUCTS TO BE TESTED FOR TIGHTNESS IN UNCONDITIONED SPACES (IECC 403.2.2).

DESIGN LOADS:

LIVE LOAD DESIGN: 40 PSF (LIVING) 30 PSF (SLEEPING)

ROOF LOAD: 20 PSF

ROOF SNOW LOAD: MIN SNOW DESIGN PRESSURE IS 20 PSF.

DESIGN WIND CRITERIA:

V = 115 MPH I = 1.0EXPOSURE = B

SEISMIC CRITERIA:

Av = 0.057 Aa = 0.172 HAZ GROUP = I PERFORMANCE CAT B SOIL TYPE: D

SHEAR WALL; $R = 4\frac{1}{2}$, CD = 4

INDEX:

SHEET:	DESCRIPTION:
COVER	COVER
1	FOUNDATION/FLOOR PLAN & DETAILS
2	ELEVATIONS
I of I	PROPOSED SITE PLAN

NUMBER DATE REVISED BY DESCRIPTIO

struction Solutic

IAN RESIDENCE and Drive

m CHAPM1090 Homelan Rocky River, O

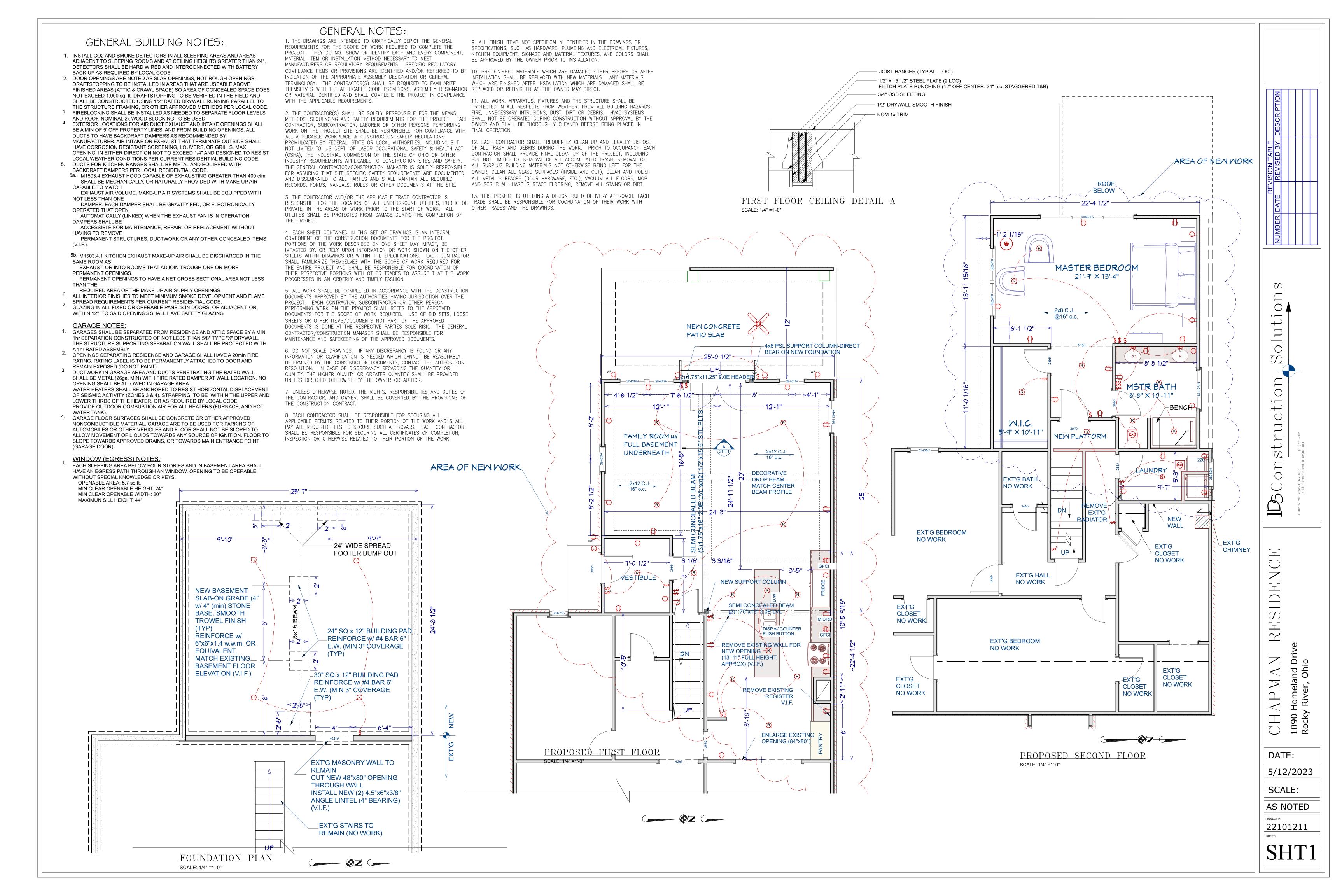
DATE: 5/12/2023

SCALE:

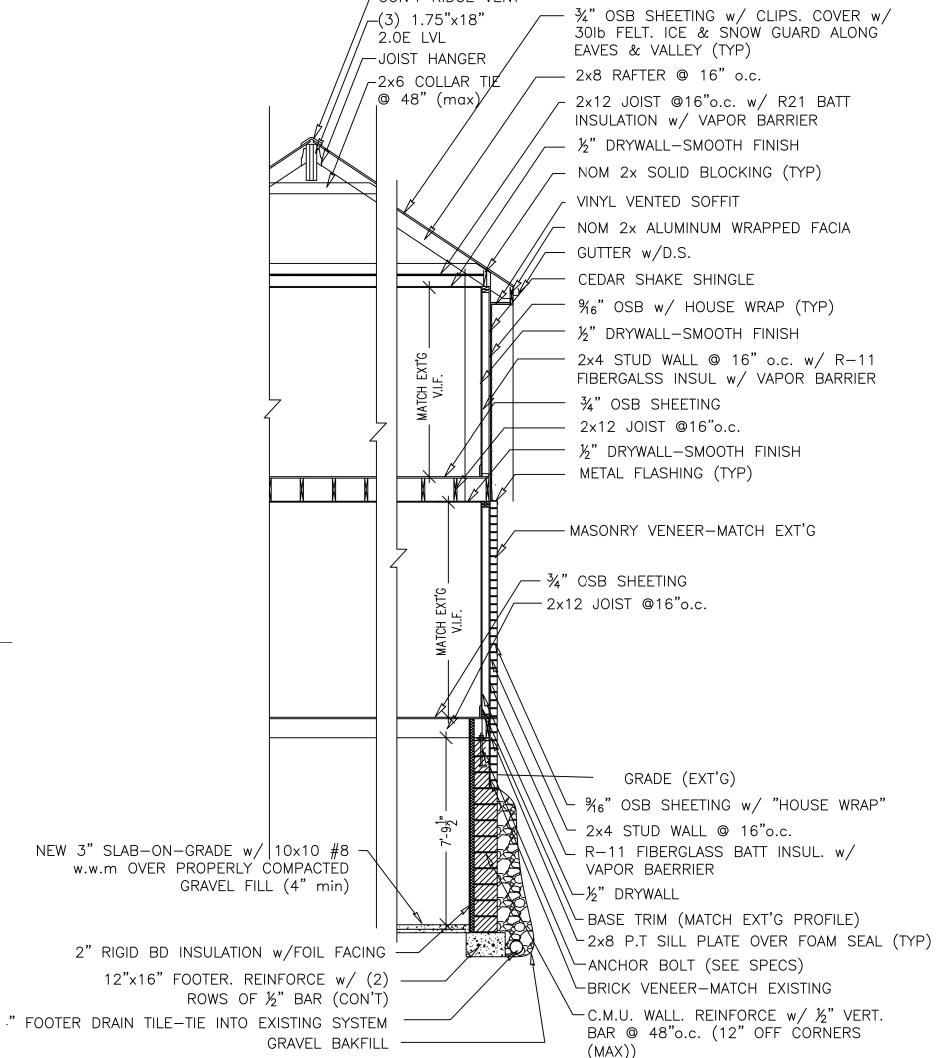
AS NOTED

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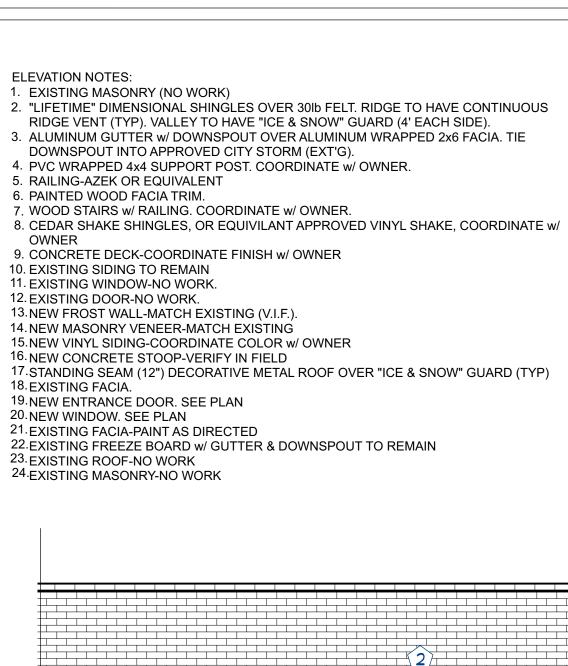
COVER

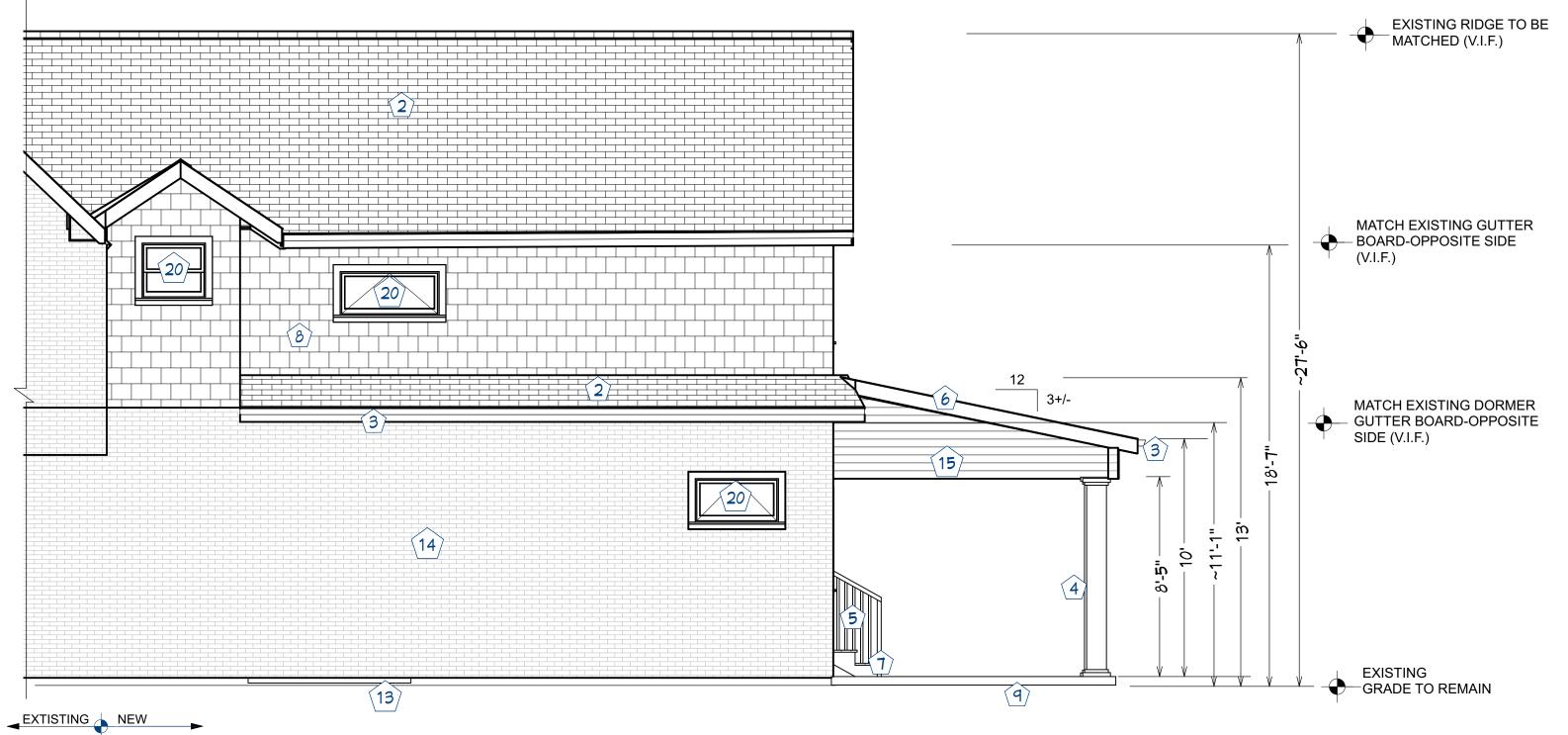


11)



TYPICAL CROSS SECTION
SCALE 1/4"=1'-0"





HOSE BIBB

W/CLEANOUT

(SURFACE MOUNT)

WASHING MACHINE

ROUGH-IN UNIT

STAND PIPE (SEE ISO)

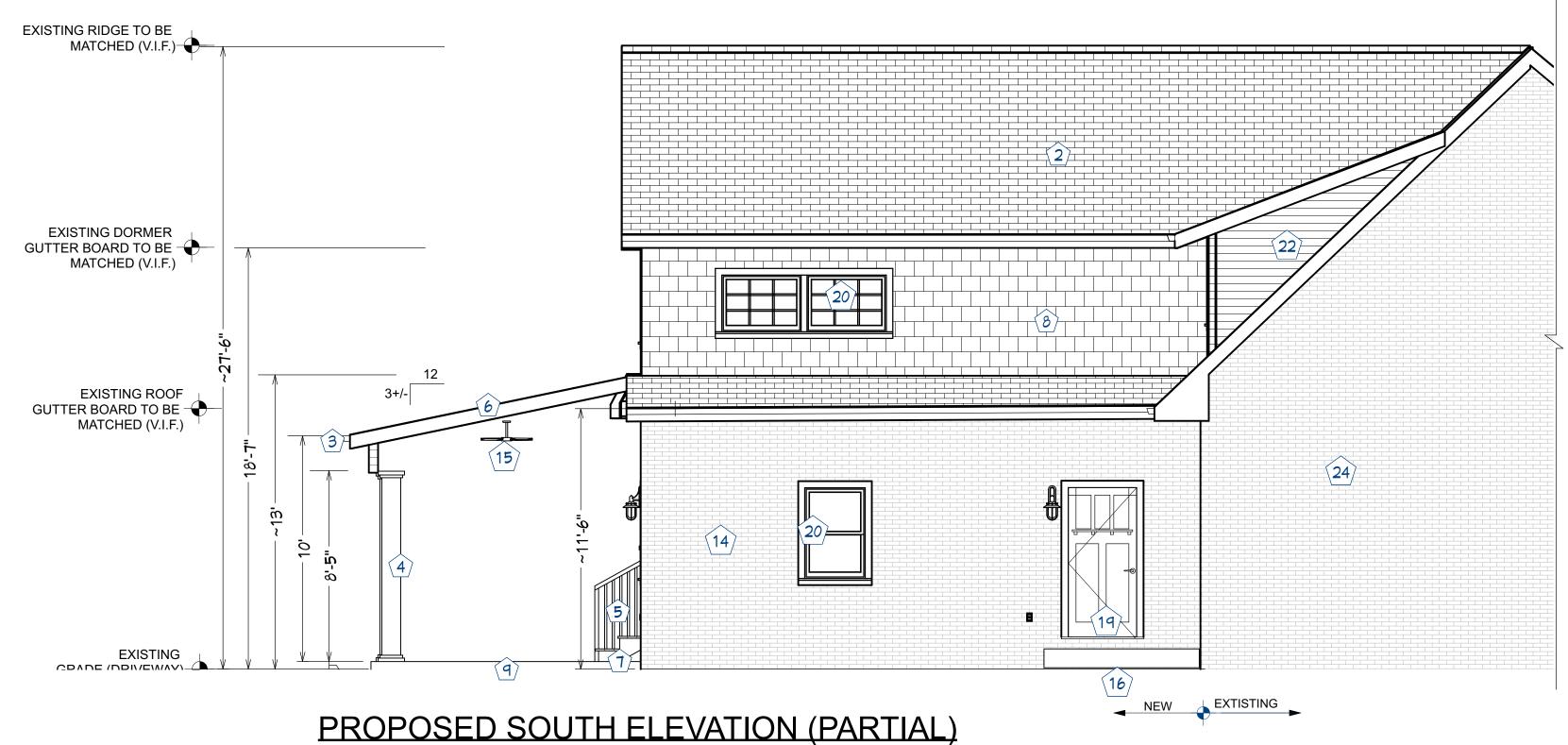
- 12" x 12" ACCESS PANEL BY GENERAL CONTRACTOR

----- VENT (SEE ISO)

LAUNDRY BOX CONNECTION DETAIL

PROPOSED NORTH ELEVATION (PARTIAL) SCALE 1/4"=1'-0"

SCALE 1/4"=1'-0"



EXISTING GRADE TO REMAIN

 $\begin{array}{c} \mathrm{CHAPMAN} \\ \mathrm{1090~Homeland~Dri} \\ \mathrm{Rocky~River,~Ohio} \end{array}$

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DATE: 5/12/2023

SCALE:

AS NOTED

PROJECT #:
22101211

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