

E:\CURRENT PROJECTS\2021\2021-30\_TAYLORARCH - 181 S HIGH ST\02-CIVIL\DESIGN\181 S HIGH ST - SITE PLAN.DWG - 8/20/2021 9:37 AM 8/20/2021 9:37:41 AM

## GENERAL STRUCTURAL NOTES

- 1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO ENSURE THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEOUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS. DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING OR TIEDOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT, AND SHALL REMAIN THE CONTRACTOR'S PROPERTY. THE ENGINEER AND ARCHITECT HAVE NO EXPERTISE IN, AND TAKE NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION.
- 2. IT IS SOLELY THE RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE ENGINEER AND ARCHITECT ARE NOT ENGAGED IN, AND DO NOT SUPERVISE, CONSTRUCTION.
- 3. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
- 4. GOVERNING CODE: 2019 RESIDENTIAL CODE OF OHIO
- 5. DESIGN ROOF SNOW LOAD: 25 PSF PLUS THE EFFECTS OF DRIFTING SNOW PER OBBC.
- a. GROUND SNOW LOAD (Pg) = 25 PSF b. FLAT ROOF SNOW LOAD = 20 PSF c. SNOW EXPOSURE FACTOR (Ce) = 1.0
- d. SNOW LOAD IMPORTANCE FACTOR (I) = 1.0
- 6. DESIGN LIVE LOADS: a. FIRST FLOOR = 40 PSF LIVE LOAD + 15 PSF DEAD LOAD b. SECOND FLOOR = 40 PSF LIVE LOAD + 15 PSF DEAD LOAD
- c. ATTIC = 20 PSF LIVE LOAD (AREAS WHERE HEIGHT IS 30" OR GREATER) d. EXTERIOR BALCONIES AND DECKS = 40 PSF LIVE LOAD OR OCCUPANCY SERVED. e. ROOF = 25 PSF + 20 PSF DEAD LOAD
- 7. WIND DESIGN PARAMETERS
- a. BASIC WIND SPEED = 115 MPH b. WIND LOAD IMPORTANCE FACTOR = 1.0
- c. WIND EXPOSURE = EXPOSURE B 8. SEISMIC DESIGN PARAMETERS
- a. OCCUPANCY CATEGORY = II b. SITE CLASS = D
- 9. SOIL DESIGN ASSUMPTIONS
- a. ASSUMED ALLOWABLE SOIL BEARING PRESSURE FOR FOUNDATIONS = 1500 PSF BASED ON TABLE 401.4.1
- b. EQUIVALENT FLUID PRESSURE FOR WALL LOADING = 55 PCF c. THE WATER TABLE SHALL BE BELOW THE LOWEST FLOOR LEVEL OF THE STRUCTURE
- d. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE SOIL IS ADEQUATE TO SUPPORT THE STRUCTURE AND THAT THE ASSUMED WALL LOADING IS CORRECT. NOTIFY THE ENGINEER OR ARCHITECT IN WRITING IMMEDIATELY IF THE SOIL DOES NOT CONFORM TO THESE CONDITIONS.

### REINFORCED CONCRETE

- 1. MATERIALS: a. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301-08 "SPECIFICATIONS FOR STRUCTURAL CONCRETE.", ACI 318-14 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE",
- AND ACI 332-14 "RESIDENTIAL CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" b. STRUCTURAL CONCRETE CLASS LOCATION F'C FOOTINGS, PIERS, UNDERPINNING 3000 INTERIOR SLABS ON GRADE, WALLS, AND ALL INTERIOR 3500 11 CONCRETE NOT OTHERWISE IDENTIFIED EXTERIOR SLABS ON GRADE, RETAINING WALLS, PIERS AND 4000 (WITH AIR 111 COLUMNS PLACED INTEGRALLY WITH BASEMENT WALLS, PIERS ENTRAINED 5%-7%) AND COLUMNS PLACED INTEGRALLY WITH BASEMENT WALLS, AND
- ALL EXTERIOR CONCRETE NOT OTHERWISE IDENTIFIED. c. ALL DEFORMED REINFORCING BARS: FY = 60,000
- d. ALL WELDED WIRE MESH: ASTM A-185 MINIMUN 8" LAPS
- 2. DO NOT BACKFILL AGAINST BASEMENT WALL UNTIL BOTH THE SLAB-ON-GRADE AND THE FLOOR ABOVE ARE IN PLACE AND CURED
- 3. AT ALL OPENINGS AND REENTRANT CORNERS IN FOUNDATION WALLS, PROVIDE MINIMUM ONE #4 REBAR X 24" LONG DIAGONALLY AT EACH CORNER
- 4. PROVIDE CONTROL JOINTS IN SLAB-ON-GRADE AT 10' ON CENTER MAXIMUM
- SPACING EACH WAY WITH A MAXIMUM ASPECT RATIO OF 1.5 : 1

### MASONRY

- SPECIFICATIONS<sup>®</sup> MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-13)," PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, DETROIT, MICHIGAN, EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.
- 2. MATERIALS:
- a. CONCRETE BLOCK: ASTM C90. MINIMUM NET AREA COMPRESSIVE STRENGTH OF C.M.U. = 1900 PSI. b. MORTAR: ASTM C270 (USING THE PROPERTY SPECIFICATION METHOD, PARAGRAPH 3.2), TYPE S, MINIMUM COMPRESSIVE STRENGTH = 1800 PSI.
- c. BOND BEAM AND CORE FILL: ASTM C476, COARSE OR FINE TYPE, PLACED PER IRC SECTION R609 d. JOINT REINFORCING: HOT-DIPPED GALVANIZED FINISH, 9 GAGE MINIMUM SIDE WIRES AND CROSS WIRES, EXCEPT USE 3/16 INCH DIAMETER SIDE WIRES WHERE "HEAVY-WEIGHT" IS REQUIRED. PROVIDE STANDARD WEIGHT AT EVERY OTHER COURSE MINIMUM U.N.O.
- e. BAR REINFORCING: ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
- f. WIRE TIES AND ANCHORS: RECTANGULAR TYPE, 3/16" DIAMETER WIRE TIES (HOT DIPPED GALVANIZED). g. PROVIDE 100% SOLID BEARING, MINIMUM THREE COURSES UNDER BEAMS, TWO COURSES UNDER LINTELS. h. FILL CORE SOLID AROUND ANCHOR BOLTS.
- i. PROVIDE 100% SOLID BLOCKS OR SOLIDLY-FILLED HOLLOW BLOCKS FOR AT LEAST 4" ALL AROUND ALL EXPANSION BOLTS.
- 3. LINTELS: PROVIDE LINTELS OVER ALL MASONRY OPENINGS AS INDICATED ON THE DRAWINGS OR WHERE NOT NOTED AS PER THE TABLE BELOW. PROVIDE MINIMUM 6" BEARING EACH END.

MASONRY OPENING	ANGLE SECTION
TO 4'-0"	L 3-1/2 X 3-1/2 X 5/16
4'-1" TO 5'-6"	L 4 X 3-1/2 X 5/16 LLV
5'-7" TO 6'-0"	L 5 X 3-1/2 X 5/16 LLV

### STRUCTURAL STEEL

- 1 MATERIALS a. STRUCTURAL STEEL CHANNEL, ANGLES, PLATES, ETC.: ASTM A36, FY = 36 KSI; STRUCTURAL
- STEEL WIDE FLANGES: ASTM A572 OR ASTM A992, FY = 50 KSI; HIGH STRENGTH BOLTS: ASTM A325 OR A490; ANCHOR BOLTS: ASTM A307 OR A36; ELECTRODES: SERIES E70; STRUCTURAL PIPES: ASTM A53 OR A501; FY = 35 KSI MIN; SQUARE AND RECTANGULAR TUBING: ASTM A500, FY = 46 KSI; EXPANSION BOLTS: HILTI "KWIK-BOLT TZ," SIMPSON STRONG-TIE "STRONG-BOLT"
- OR APPROVED EQUAL. ADHESIVE ANCHORS: HILTI "HIT-ICE/HIT HY 150," SIMPSON STRONG-TIE "ACRYLIC-TIE," ITW RED-HEAD "A7 ACRYLIC."
- b. MINIMUM BEAM BEARING ON MASONRY = 7-1/2 INCHES; ON CONCRETE = 5"
- UNLESS NOTED OTHERWISE. c. EMBEDMENT LENGTH OF EXPANSION BOLTS INTO SOLID MASONRY OR CONCRETE SHALL BE AS FOLLOWS: 1/2 INCH DIAMETER BOLTS --- 3-1/2 INCHES EMBEDMENT
- 3/4 INCH DIAMETER BOLTS --- 5 INCHES EMBEDMENT d. ALL STEEL PIPE COLUMNS TO BE FIXED, NON-ADJUSTABLE, SCHEDULE 40 PIPE COLUMNS
- 2. CONNECTIONS:
- a. WOOD NAILERS SHALL BE PROVIDED AND ATTACHED TO THE TOP FLANGE OF STEEL BEAMS PER THE FOLLOWING OR ANOTHER APPROVED METHOD:
- POWDER-ACTUATED FASTENERS FLANGE WIDTH BOLTS
- 3/8" DIAM. AT 30" O.C. .145" DIAM. AT 18" O.C.
- 5" OR GREATER 1/2" DIAM. AT 42" O.C. 145" DIAM. AT 18" O.C.
- b. BEAM TO COLUMN CONNECTIONS TO BE BOLTED SHEAR TAB OR CAP PLATE TYPE CONNECTIONS. WHERE A CONTINUOUS BEAM WITH A CAP PLATE IS USED, PROVIDE MINIMUM 3/8" STIFFENER PLATES EACH SIDE OF BEAM WEB CENTERED OVER COLUMN
- c. CONNECTIONS TO BE SELECTED BY THE FABRICATOR TO DEVELOP THE FULL UNIFORM LOAD CAPACITY OF THE MEMBER OR FORCES SHOWN ON PLANS,
- WHICHEVER IS GREATER d. BEAM CONNECTIONS AT OPEN POCKETS IN A FOUNDATION, BEAM CONNECTIONS TO COLUMNS, AND COLUMN CONNECTIONS TO FOUNDATIONS SHALL COMPLY WITH RCO SECTIONS 502.6.3 AND 502.9.1 MINIMUM UNLESS MORE STRICT PROVISIONS ARE SPECIFIED OR REQUIRED BY DESIGN.

## STRUCTURAL LUMBER

- 1. MATERIALS: a. STRUCTURAL LUMBER INCLUDING BEARING AND EXTERIOR W OR EOUAL, ALLOWABLE STRESSES PER THE NATIONAL DESIGN
- 2018 EDITION; 19% MAX. MOISTURE CONTENT b. PLYWOOD: PLYWOOD: CDX, STRUCTURAL II OR BETTER, EXTER
- WALLS: PANEL IDENTIFICATION INDEX 24/0 17/16 INCH MIN. (W FLOORS: PANEL IDENTIFICATION INDEX 32/16 - 23/32 INCH MIN. c. OSB: FOR WALLS: MINIMUM 7/16 INCH THICK WITH 24/16 SPAN
- MINIMUM 7/16 INCH THICK WITH 24/16 SPAN RATING, EXPOSURI MIN, STURD-I-FLOOR WITH SPAN RATING OF 24 INCH OC, EXPO
- d. MICROLAM (LVL): MODULUS OF ELASTICITY = 1,900,000 PSI, Fb BASED ON ILEVEL TRUS JOIST. e. PROVIDE PRESSURE TREATED WOOD AS REQUIRED BY CODE A ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE, ALL W
- ELEMENTS, ALL WOOD LESS THAN 6" FROM THE GROUND 2. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESI ERECTION SHALL BE GOVERNED BY THE LATEST EDITION OF: a. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
- b. U.S. PRODUCT STANDARD PSI c. 2018 INTERNATIONAL RESIDENTIAL CODE
- 3. CONNECTIONS: a. JOISTS TO SIDES OF BEAMS: 16 GA. GALVANIZED STD. JOIST HAI
- b. JOISTS AND TRUSSES TO TOPS OF WALLS AND BEAMS: 18 GA. c. SHEATHING TO FLOOR JOISTS - GLUED AND NAILED - USE 8d AT PANEL EDGES AND 12 INCHES C/C AT INTERMEDIATE SUPPO
- APA SPECIFICATIONS APG-01 APPLIED PER MANUFACTURER'S d. SHEATHING TO ROOF TRUSSES OR RAFTERS - NAILED - USE 8d O/C AT PANEL EDGES AND 12 INCHES O/C AT INTERMEDIATE SU
- CLIPS AT MID-SPAN OF PLYWOOD BETWEEN SUPPORTS. e. SHEATHING TO WALLS - NAILED - USE 8d COATED SINKERS AT
- AND 12 INCHES O.C. AT INTERMEDIATE SUPPORTS. ALL VERTICA TO BE OVER A COMMON STUD, PLATE, BAND BOARD, OR 2X BL
- f. ALL CONNECTORS (HANGERS, NAILS, ETC.) IN CONTACT WITH T STAINLESS STEEL OR HOT DIP GALVANIZED COMPATIBLE WITH
- g. SILL PLATES TO FOUNDATION 1/2" DIA. ANCHOR BOLTS AT 6'-0 CORNERS AND ENDS OF PLATES. ANCHOR BOLTS TO BE EMBE MINIMUM OF 7" IN CONCRETE OR 15" IN MASONRY.
- h. BUILT UP WOOD BEAMS AND FLITCH BEAMS 1/2" DIAMETER T 2" FROM TOP AND BOTTOM U.N.O. STAGGER TOP AND BOTTOM
- i. MULTIPLE STUD COLUMNS GLUED AND NAILED WITH 16d NAI J. ALL OTHER CONNECTIONS TO BE PER TABLE R602.3(1) MINIMU
- 4. MISCELLANEOUS:
- a. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-AND RAFTERS, USE SOLID BLOCKING AT JOIST AND RAFTER BE b. IT IS ASSUMED THAT THE STRUCTURAL SHEATHING WILL PROV THE STUDS AND ENTIRE STRUCTURE IF SHEATHING IS NOT PRO AT MID-HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIC METAL DIAGONAL BRACING AS REQUIRED FOR LATERAL STAB
- c. USE DOUBLE JOIST UNDER INTERIOR PARTITIONS, UNLESS SHO d. USE DOUBLE STUDS UNDER BEAM AND LINTEL BEARING, UNL
- e. APPLY CONTINUOUS BEAD OF ADHESIVE ON JOISTS AND GRO PANELS f. IN AREAS WHERE TOP CHORD OF TRUSSES DO NOT RECEIVE P SHEATHING, PROVIDE 1 X 4 CONTINUOUS BRIDGING PERPEND
- AND SPACED AT 3'-0" O.C. g. BEFORE APPLYING FINISH FLOORING, SET NAILS 1/8 INCH BUT
- SAND ANY SURFACE ROUGHNESS, PARTICULARLY AT JOINTS A h. PROVIDE AND INSTALL BRIDGING FOR PREFABRICATED WOOI
- ON THE TRUSS MANUFACTURER'S APPROVED SHOP DRAWING . WHERE FLOOR JOISTS SPAN PARALLEL TO FOUNDATION WALL
- EQUAL TO THE JOIST DEPTH AT MAXIMUM 24 INCHES ON CENT OVER WALL AND ADJACENT JOISTS. EXTEND BLOCKING OVER BLOCKING SHALL BE ADEQUATELY FASTENED TO THE FLOOR

RAFTER SET	MAXIMUM RAFTER SPAN	RIDGE BEAM
2 X 6	9'- 2"	2 X 8
2 X 8	12"- 1"	2 X 10
2 X 10	15" - 5"	2 X 12
2 X 12	18"- 9"	14" LVL

# PREFABRICATED WOOD ROOF TRU

- 1. MATERIALS: a. LUMBER: SOUTHERN PINE #2, ALLOWABLE STRESSES PER THE SUPPLEMENT, 2018 EDITION; 19% MAX. MOISTURE CONTENT b. METAL CONNECTOR PLATES: GALVANIZED SHEET STEEL, ASTM CLASS G60 PER ASTM A525. MANUFACTURE WITH HOLES, PLUG
- UNIFORMLY SPACED AND FORMED. 2. DESIGN:
- a. TOP CHORD LIVE LOAD: 25 PSF TOP CHORD DEAD LOAD: 10 PSF BOTTOM CHORD DEAD LOAD: 5 PSF
- BOTTOM CHORD LIVE LOAD: 5 PSF NET WIND UPLIFT: 8 PSF
- b. FINAL DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A
- REGISTERED IN OHIO. EXPERIENCED IN SIMILAR DESIGN. RETA c. SHOP DRAWINGS SHALL EXHIBIT THE SEAL OF THE ENGINEER I
- DESIGN. d. MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360.
- e. MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.
- 3. MISCELLANEOUS: a. BOLT TOP CHORDS OF ALL MULTIPLE TRUSSES TOGETHER WITH 4'-0" O.C. BOLT WEB MEMBERS TOGETHER WITH 1/2" DIAMETER
- CONCENTRATED LOADS, OR PER TRUSS DESIGNER RECOMMEN b. IN AREAS WHERE TOP CHORDS OF TRUSSES DO NOT RECEIVE
- PROVIDE 1 X 4 CONTINUOUS BRIDGING PERPENDICULAR TO TO SPACED AT 3'-0" O.C. c. TRUSS FABRICATOR SHALL SUBMIT COPIES OF THE FINAL, APPI DRAWINGS TO THE DEPARTMENT OF COMMERCE, OFFICE OF CO
- PRIOR TO FABRICATION AND ERECTION.

## **ENGINEERED WOOD JOISTS**

- 1. MATERIALS: PROVIDE ENGINEERED WOOD PRODUCTS AND INSTALLED SYSTEM ENGINEERED, MANUFACTURED, FABRICATED, AND INSTALLED TO M PERFORMANCE REQUIREMENTS AND REFERENCED BUILDING COE
- 2. DESIGN a. DEFLECTION REQUIREMENTS: MAXIMUM LIVE LOAD DEFLECTION MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240
- b. LOADING REQUIREMENTS: LIVE LOAD = SEE PLAN, DEAD LOAD = FLOORS, INCREASE WHERE REQUIRED FOR SPECIFIC FLOOR FIN
- c. FINAL DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A P REGISTERED IN OHIO, EXPERIENCED IN SIMILAR DESIGN, RETAIN
- d. SHOP DRAWINGS AND CALCULATIONS SHALL INDICATE COMPLIA PERFORMANCE, CODE AND MANUFACTURER'S REQUIREMENTS e. PRODUCT DATA: SUBMIT MANUFACTURER'S DATA SHEETS ON EA
- USED, INCLUDING PREPARATION INSTRUCTIONS AND RECOMME HANDLING REQUIREMENTS, INSTALLATION METHODS

STRUCTURAL LUMBER	A. GENERAL NOTES	E. MOISTURE AND VENTILATION
<ol> <li>MATERIALS:         <ul> <li>a. STRUCTURAL LUMBER INCLUDING BEARING AND EXTERIOR WALL STUDS: SPRUCE PINE FIR #2</li> <li>OR EQUAL, ALLOWABLE STRESSES PER THE NATIONAL DESIGN SPECIFICATION SUPPLEMENT</li> </ul> </li> </ol>	1 ELEMENTS OF CONSTRUCTION NOT SPECIFICALLY NOTED ON THESE DRAWINGS SHALL COMPLY WITH THE 2019 RCO AND THE REQUIREMENTS OF THE CITY OF DUBLIN, OHIO BUILDING DEPARTMENT	1 ORC 317.1 MAINTAIN 18" CLEAR BETWEEN BOTTOM OF FLOOR JOISTS AND THE TOP OF CRAWL SPACE FLOOR AND 12" CLEAR BETWEEN BOTTOM OF WOOD GIRDERS AND THE TOP OF CRAWL SPACE FLOOR
2018 EDITION; 19% MAX. MOISTURE CONTENT b. PLYWOOD: PLYWOOD: CDX, STRUCTURAL II OR BETTER, EXTERIOR GLUE. FOR ROOF AND WALLS: PANEL IDENTIFICATION INDEX 24/0 - 17/16 INCH MIN. (WITH PLYWOOD CLIPS). FOR	<ul> <li>2 RADON-RESISTANT CONSTRUCTION TECHNIQUES MEETING THE REQUIREMENTS</li> <li>OF THE CURRENT INTERNATIONAL RESIDENTIAL CODE APPENDIX F SHALL BE USED.</li> </ul>	2 ORC 401.3 THE GRADE AWAY FROM FOUNDATION WALLS SHALL FALL A MINIMUM OF 6" WITHIN THE FIRST 10 FEET
FLOORS: PANEL IDENTIFICATION INDEX 32/16 - 23/32 INCH MIN. c. OSB: FOR WALLS: MINIMUM 7/16 INCH THICK WITH 24/16 SPAN RATING, EXPOSURE 1. FOR ROOFS:	HOWEVER IT IS NOT THE ARCHITECT'S RESPONSIBILITY TO DETERMINE IF A RADON ABATEMENT OR MITIGATION SYSTEM IS REQUIRED	3 ORC 806.2 ROOF VENTILATION: THE TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1 TO 150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE TOTAL AREA
MINIMUM 7/16 INCH THICK WITH 24/16 SPAN RATING, EXPOSURE 1. FOR FLOORS: 23/32 INCH THICK MIN, STURD-I-FLOOR WITH SPAN RATING OF 24 INCH OC, EXPOSURE 1, TONGUE AND GROOVE. d. MICROLAM (LVL): MODULUS OF ELASTICITY = 1,900,000 PSI, Fb = 2,600 PSI. DESIGN	3 THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO DESIGN INFORMATION PRESENTED ON THESE DRAWINGS AND DOES NOT EXTEND TO METHODS OF CONSTRUCTION, MATERIALS, OR FINISHES USED IN THE FIELD	IS PERMITTED TO BE REDUCED TO 1 TO 300, PROVIDED AT LEAST 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED NOT MORE THAN
BASED ON ILEVEL TRUS JOIST. e. PROVIDE PRESSURE TREATED WOOD AS REQUIRED BY CODE AT THE FOLLOWING LOCATIONS: ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE, ALL WOOD EXPOSED TO EXTERIOR FLENTER ALL WOOD LESS THAN FLEDOM THE COOLIND.	4 ALL DIMENSIONS ON THIS DRAWING ARE VARIABLE TO THE EXTENT OF NORMAL DIMENSIONAL TOLERANCES IN THE FIELD AND DO NOT TAKE INTO ACCOUNT THE	3' BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED IN THE LOWER 1/3 OF THE SPACE.
ELEMENTS, ALL WOOD LESS THAN 6" FROM THE GROUND 2. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST EDITION OF:	NORMAL AND EXPECTED SHRINKAGE AND SETTLING OF BUILDING MATERIALS 5 THESE DRAWINGS ARE ABBREVIATED AND ARE NOT INTENDED TO SPECIFY ALL DETAILS NECESSARY FOR CONSTRUCTION. THE BUILDER AND OWNER WORKING	<ul> <li>4 ORC 905.1.2 ALL BATHROOMS AND TOILET ROOMS TO BE PROVIDED WITH AN EXHAUST FAN FOR VENTILATION</li> <li>5 ORC 905.1.2 AN ICE BARRIER MUST BE USED IN LIEU OF NORMAL UNDERLAYMENT AND EXTEND</li> </ul>
a. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. b. U.S. PRODUCT STANDARD PSI	TOGETHER WILL MAKE ALL DECISIONS AND SELECTIONS NECESSARY FOR CONSTRUCTION THE OWNER AND HIS CONTRACTOR ARE RESPONSIBLE FOR CONSTRUCTING A	UP FROM THE EAVE'S EDGE TO A POINT NOT LESS THAN 24" INSIDE THE EXTERIOR WALL LINE OF THE BUILDING
<ul> <li>c. 2018 INTERNATIONAL RESIDENTIAL CODE</li> <li>3. CONNECTIONS:</li> <li>a. JOISTS TO SIDES OF BEAMS: 16 GA. GALVANIZED STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE.</li> </ul>	STRUCTURALLY SOUND AND WEATHERPROOF FINISHED BUILDING.	F. EGRESS AND ACCESS
b. JOISTS AND TRUSSES TO TOPS OF WALLS AND BEAMS: 18 GA. GALVANIZED HURRICANE ANCHORS.c. SHEATHING TO FLOOR JOISTS - GLUED AND NAILED - USE 8d COATED SINKERS AT 6 INCHES O/C	B. MECHANICAL AND ELECTRICAL	1 ORC 310.1 EVERY SLEEPING ROOM SHALL HAVE NOT LESS THAN ONE OPERABLE EMERGENCY ORC 310.2.1 ESCAPE AND RESCUE OPENING. EGRESS CLEAR OPENING SHALL BE 5.7 SQUARE FEET
AT PANEL EDGES AND 12 INCHES C/C AT INTERMEDIATE SUPPORTS. USE ADHESIVES MEETING APA SPECIFICATIONS APG-01 APPLIED PER MANUFACTURER'S RECOMMENDATIONS. d. SHEATHING TO ROOF TRUSSES OR RAFTERS - NAILED - USE 8d COATED SINKERS AT 6 INCHES	1 ALL MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS WILL BE DESIGNED AND INSTALLED BY SUBCONTRACTORS PER OWNER'S REQUIREMENTS,	ORC 310.2.2 MINIMUM ON FIRST AND SECOND FLOOR EXCEPT AT FIRST FLOOR AREA MAY BE REDUCED TO 5.0 SQUARE FEET IF SILL IS NO HIGHER THAN 44" ABOVE FINISHED GRADE.
O/C AT PANEL EDGES AND 12 INCHES O/C AT INTERMEDIATE SUPPORTS. PROVIDE PLYWOOD CLIPS AT MID-SPAN OF PLYWOOD BETWEEN SUPPORTS. e. SHEATHING TO WALLS - NAILED - USE 8d COATED SINKERS AT 6 INCHES O.C. AT PANEL EDGES	AND PER APPLICABLE CODES 2 RCO 1102.4.1.2 TESTING	2 ORC 807.1 AN ATTIC ACCESS OPENING SHALL BE PROVIDED TO ATTIC AREAS THAT EXCEED 30 SQUARE FEET AND HAVE A VERTICAL HEIGHT OF 30" OR GREATER. THE ROUGH FRAMED OPENING SHALL NOT BE LESS THAN 22" X 30" AND SHALL BE LOCATED
AND 12 INCHES O.C. AT INTERMEDIATE SUPPORTS. ALL VERTICAL AND HORIZONTAL JOINTS ARE TO BE OVER A COMMON STUD, PLATE, BAND BOARD, OR 2X BLOCKING. f. ALL CONNECTORS (HANGERS, NAILS, ETC.) IN CONTACT WITH TREATED LUMBER SHALL BE	THE BUILDING OR DWELLING UNIT SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT MORE THAN FIVE AIR CHANGES PER HOUR. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH RESNET/ICC 380, ASTM	IN A HALLWAY OR OTHER READILY ACCESSIBLE LOCATION 3 ORC 309.4 ELECTRIC GARAGE DOOR OPENERS SHALL CONFORM TO THE SAFETY/STOP
STAINLESS STEEL OR HOT DIP GALVANIZED COMPATIBLE WITH THE CHEMICALS IN THE WOOD. g. SILL PLATES TO FOUNDATION - 1/2" DIA. ANCHOR BOLTS AT 6'-0" O.C. AND 12" MAXIMUM FROM	E779 OR ASTM E1827 AND REPORTED AT A PRESSURE OF 0.2 INCH W.G. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE BUILDING OFFICIAL.	REQUIREMENTS OF U.L. 325
CORNERS AND ENDS OF PLATES. ANCHOR BOLTS TO BE EMBEDED IN THE FOUNDATION A MINIMUM OF 7" IN CONCRETE OR 15" IN MASONRY. h. BUILT UP WOOD BEAMS AND FLITCH BEAMS - 1/2" DIAMETER THRU BOLTS AT 16" O.C.	TESTING SHALL BE PERFORMED AT ANY TIME AFTER CREATION OF ALL PENETRATIONS OF THE BUILDING THERMAL ENVELOPE.	G. STRUCTURAL 1 ORC 502.7.1 JOISTS EXCEEDING A NOMINAL 2 INCHES BY 12 INCHES SHALL BE SUPPORTED
2" FROM TOP AND BOTTOM U.N.O. STAGGER TOP AND BOTTOM ROWS 4" i. MULTIPLE STUD COLUMNS - GLUED AND NAILED WITH 16d NAILS AT 12" O.C. EACH PLY. J. ALL OTHER CONNECTIONS TO BE PER TABLE R602.3(1) MINIMUM.	3 RCO 1102.4.1.2 PROGRAMMABLE THERMOSTADT THE THERMOSTAT CONTROLLING THE PRIMARY HEATING OR COOLING SYSTEM OF THE DWELLING UNIT SHALL BE CAPABLE OF CONTROLLING THE HEATING	2 ORC 606.6.3 BEAMS AND GIRDERS SHALL HAVE MINIMUM BEARING OF AT LEAST 3 INCHES
<ul> <li>4. MISCELLANEOUS:</li> <li>a. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-0" O/C MAX. FOR ALL JOISTS</li> </ul>	AND COOLING SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE DAY. THIS THERMOSTAT	ORC 606.6.3.1 ON SOLID MASONRY. JOISTS SHALL HAVE MINIMUM BEARING OF 11/2 INCHES BUILDER TO PROVIDE ENGINEERED DRAWINGS FOR PREFABRICATED TRUSSES
AND RAFTERS, USE SOLID BLOCKING AT JOIST AND RAFTER BEARING. b. IT IS ASSUMED THAT THE STRUCTURAL SHEATHING WILL PROVIDE LATERAL BRACING FOR THE STUDS AND ENTIRE STRUCTURE IF SHEATHING IS NOT PROVIDED. USE SOLID BLOCKING	SHALL INCLUDE THE CAPABILITY TO SET BACK OR TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES OF NOT LESS THAN 55°F TO NOT GREATER THAN 85°F. THE THERMOSTAT SHALL BE PROGRAMMED INITIALLY	AND ENGINEERED LUMBER MEMBERS AT FRAMING INSPECTION
AT MID-HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIOR BEARING PARTITIONS AND METAL DIAGONAL BRACING AS REQUIRED FOR LATERAL STABILITY OF THE STRUCTURE.	BY THE MANUFACTURER WITH A HEATING TEMPERATURE SETPOINT OF NOT GREATER THAN 70°F AND A COOLING TEMPERATURE SETPOINT OF NOT LESS THAN 78°F.	2019 RCO CHAPTER 11 TABLE 1102.1.2 CLIMATE ZONE 5
c. USE DOUBLE JOIST UNDER INTERIOR PARTITIONS, UNLESS SHOWN OTHERWISE. d. USE DOUBLE STUDS UNDER BEAM AND LINTEL BEARING, UNLESS SHOWN OTHERWISE. e. APPLY CONTINUOUS BEAD OF ADHESIVE ON JOISTS AND GROOVE OF TONGUE-AND-GROOVE	4 RCO 1103.3.3 DUCT TESTING (MANDATORY). DUCTS SHALL BE PRESSURE TESTED TO DETERMINE AIR LEAKAGE BY ONE OF	ITEM REQUIRED VALUES PROVIDED VALUES
PANELS. f. IN AREAS WHERE TOP CHORD OF TRUSSES DO NOT RECEIVE PLYWOOD OR OSB SHEATHING, PROVIDE 1 X 4 CONTINUOUS BRIDGING PERPENDICULAR TO TOP CHORDS	THE FOLLOWING METHODS:	I     BASEMENT WALL R-VALUE     R-10 CONTINUOUS     R-10 FOAMBOARD (EXTERIOR)
AND SPACED AT 3'-0" O.C. g. BEFORE APPLYING FINISH FLOORING, SET NAILS 1/8 INCH BUT DO NOT FILL, AND LIGHTLY SAND ANY SURFACE ROUGHNESS, PARTICULARLY AT JOINTS AND AROUND NAILS.	DIFFERENTIAL OF 0.1 INCH W.G. (25 PA) ACROSS THE SYSTEM, INCLUDING THE MANUFACTURER'S AIR HANDLER ENCLOSURE IF INSTALLED AT THE TIME OF	OR AND/OR R-13 CAVITY R-13 BATTS (INTERIOR)
h. PROVIDE AND INSTALL BRIDGING FOR PREFABRICATED WOOD TRUSSES AS INDICATED ON THE TRUSS MANUFACTURER'S APPROVED SHOP DRAWINGS.	THE TEST. REGISTERS SHALL BE TAPED OR OTHERWISE SEALED DURING THE TEST. 2. POSTCONSTRUCTION TEST:	2 CRAWL SPACE WALLS R-VALUE R-10 CONTINUOUS R-13 DRAPED OR AND EXTENDING 24"
i. WHERE FLOOR JOISTS SPAN PARALLEL TO FOUNDATION WALLS, PROVIDE 2X BLOCKING EQUAL TO THE JOIST DEPTH AT MAXIMUM 24 INCHES ON CENTER BETWEEN BAND BOARD OVER WALL AND ADJACENT JOISTS. EXTEND BLOCKING OVER MINIMUM THREE JOIST SPACES.	TOTAL LEAKAGE SHALL BE MEASURED WITH A PRESSURE DIFFERENTIAL OF 0.1 INCH W.G. (25 PA) ACROSS THE ENTIRE SYSTEM, INCLUDING THE MANUFACTURER'S AIR HANDLER ENCLOSURE. REGISTERS SHALL BE TAPED	R-13 CAVITY     ALONG CRAWL       3     CEILING R-VALUE     R-49     R-49 BLOWN CELLULOSE
BLOCKING SHALL BE ADEQUATELY FASTENED TO THE FLOOR SHEATHING. 5. OVERLAY FRAMING	OR OTHERWISE SEALED DURING THE TEST 5 RCO 1103.6 MECHANICAL VENTILATION (MANDATORY).	OR AND/OR R-30 LESS THAN 500 SF AIR-IMPERMEABLE SPRAY FOAM AND R-38C BATTS
RAFTER SET MAXIMUM RAFTER SPAN RIDGE BEAM	THE BUILDING SHALL BE PROVIDED WITH VENTILATION THAT COMPLIES WITH THE REQUIREMENTS OF SECTION 1505 OR WITH OTHER APPROVED MEANS OF VENTILATION, OUTDOOR AIR INTAKES AND EXHAUSTS SHALL HAVE AUTOMATIC	4 WOOD-FRAMED WALLS R-VALUE R-20 CAVITY R-20 BATT IN 2 X 6 FRAMING
2 X 6 9'- 2" 2 X 8	OR GRAVITY DAMPERS THAT CLOSE WHEN THE VENTILATION SYSTEM IS NOT OPERATING. 6 RCO 1104.1 LIGHTING EQUIPMENT (MANDATORY).	AND/OR         AND/OR           R-13 + R-5         R-13 BATT IN 2 X 4 FRAMING WITH
2 X 8         12"- 1"         2 X 10           2 X 10         15" - 5"         2 X 12	NOT LESS THAN 90 PERCENT OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY LAMPS.	OR R-2 INSULATING SHEATHING OVER STRUCTURAL SHEATHING 7/16" STRUCTURAL SHEATHING
2 X 12 18"- 9" 14" LVL		5 FLOORS R-VALUE R-30 R-30 BATTS OR R-19 TO FILL CAVITY
PREFABRICATED WOOD ROOF TRUSSES	C. FIRE SAFETY/FIRE-RESISTIVE CONSTRUCTION 1 ORC 302.7 ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS, UNDER STAIR SURFACE	6     SLAB R-VALUE/DEPTH     R-10 / 2 FT     N/A
<ol> <li>MATERIALS:         <ul> <li>a. LUMBER: SOUTHERN PINE #2, ALLOWABLE STRESSES PER THE NATIONAL DESIGN SPECIFICATION</li> <li>SUPPLEMENT, 2018 EDITION: 19% MAX. MOISTURE CONTENT</li> </ul> </li> </ol>	AND SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2" GYPSUM BOARD 2 ORC 314.2 SMOKE DETECTORS AND CO2 DETECTORS SHALL BE INTERCONNECTED AND SHALL	7     GLAZING U-FACTOR     0.35     U-VALUE 0.35 MAX       8     SKYLIGHTS U-FACTOR     0.60     U-VALUE .60 MAX
b. METAL CONNECTOR PLATES: GALVANIZED SHEET STEEL, ASTM A446, GRADE A, COATING CLASS G60 PER ASTM A525. MANUFACTURE WITH HOLES, PLUGS, TEETH OR PRONGS	ORC 314.3 BE INSTALLED IN: 1] ALL SLEEPING ROOMS 2] OUTSIDE, AND IN THE IMMEDIATE VICINITY OF, EACH SLEEPING ROOM	9     ATTIC SUPPLY DUCTS R-VALUE     R-8
UNIFORMLY SPACED AND FORMED. 2. DESIGN: a. TOP CHORD LIVE LOAD: 25 PSF	3] ON EACH ADDITIONAL STORY INCLUDING BASEMENTS AND HABITABLE ATTICS 3 ORC 316.1 FOAM PLASTIC MATERIALS SHALL MEET THE PROVISIONS OF THE 2019 ORC	DUCT TIGHTNESS TO BE TESTED AND VERIFIED PER RCO 1103.3
TOP CHORD DEAD LOAD: 10 PSF BOTTOM CHORD DEAD LOAD: 5 PSF	4 ORC 302.9.1 WALL AND CEILING FINISHES SHALL HAVE A FLAME-SPREAD CLASSIFICATION OF NOT ORC 302.9.2 GREATER THAN 200 AND A SMOKE-DEVELOPED INDEX OF NOT GREATER THAN 450	10 SUPPLY DUCTS R-VALUE R-6 R-6 DUCT TIGHTNESS TO BE TESTED AND VERIFIED PER RC0 1103.3
BOTTOM CHORD LIVE LOAD: 5 PSF NET WIND UPLIFT: 8 PSF b. FINAL DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER,	5 ORC 302.10 ALL EXPOSED INSULATION MATERIALS INCLUDING FACINGS SHALL HAVE A FLAME-SPREAD INDEX NOT TO EXCEED 25 WITH AN ACCOMPANYING SMOKE-DEVELOPED INDEX	
REGISTERED IN OHIO, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE MANUFACTURER. c. SHOP DRAWINGS SHALL EXHIBIT THE SEAL OF THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN.	NOT TO EXCEED 450 6 ORC 302.11 FIRESTOPPING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS	ROOM LIGHT AND VENT. SCHEDULE
d. MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360. e. MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.	(HORIZONTAL AND VERTICAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES AND BETWEEN A TOP STORY AND THE ROOF SPACE	ROOM NAME FLOOR AREA GLASS AREA REQ'D GLASS AREA VENTILATION AREA REQ'D VENT AREA EGRESS AREA DIMENSIONS
<ol> <li>MISCELLANEOUS:</li> <li>a. BOLT TOP CHORDS OF ALL MULTIPLE TRUSSES TOGETHER WITH 1/2" DIAMETER BOLTS AT 4'-0" O.C. BOLT WEB MEMBERS TOGETHER WITH 1/2" DIAMETER BOLTS AT 2'-0" O.C. AT</li> </ol>	7 ORC 1001.10 HEARTH EXTENSIONS SHALL EXTEND AT LEAST 16" IN FRONT OF, AND AT LEAST 8" BEYOND, EACH SIDE OF THE FIREPLACE OPENING. WHERE THE FIREPLACE OPENING IS 6 SQUARE FEET OR LARGER, THE HEARTH EXTENSION SHALL EXTEND AT LEAST 20" IN FRONT OF,	OFFICE         510         40.8         20.4         N/A         N/A
CONCENTRATED LOADS, OR PER TRUSS DESIGNER RECOMMENDATIONS. b. IN AREAS WHERE TOP CHORDS OF TRUSSES DO NOT RECEIVE PLYWOOD SHEATHING, PROVIDE 1 X 4 CONTINUOUS BRIDGING PERPENDICULAR TO TOP CHORDS AND	AND AT LEAST 12" BEYOND, EACH SIDE OF THE FIREPLACE OPENING 8 ORC 1004.1 FACTORY-BUILT FIREPLACES SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED	FAMILY         397         31.8         15.9           KITCHEN/DINING         405         32.4         16.2
SPACED AT 3'-0" O.C. c. TRUSS FABRICATOR SHALL SUBMIT COPIES OF THE FINAL, APPROVED FABRICATION	IN ACCORDANCE WITH THE CONDITIONS OF THE LISTING. FACTORY-BUILT FIREPLACES SHALL BE TESTED IN ACCORDANCE WITH UL 127	BEDROOM 3         230         18.4         9.2           BEDROOM 2         230         18.4         9.2
DRAWINGS TO THE DEPARTMENT OF COMMERCE, OFFICE OF CONSTRUCTION COMPLIANCE, PRIOR TO FABRICATION AND ERECTION.	D. STAIRS AND GUARDS	DEDRCOM 2         250         10.4         5.2           OWNER'S BEDROOM         251         20.1         10
ENGINEERED WOOD JOISTS	1 ORC 311.7.5.1 STAIRS SHALL HAVE 8 1/4" MAXIMUM RISER HEIGHT, 9" MINIMUM TREAD DEPTH AND SHALL ORC 311.7.2 MEET ALL OTHER REQUIREMENTS OF THE 2019 RCO AND THE CITY OF DUBLIN, OHIO BUILDING D	EPARTMENT NOTES
<ol> <li>MATERIALS: PROVIDE ENGINEERED WOOD PRODUCTS AND INSTALLED SYSTEMS WHICH HAVE BEEN ENGINEERED, MANUFACTURED, FABRICATED, AND INSTALLED TO MEET THE SPECIFIED</li> </ol>	2 ORC 311.7.8 HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF EACH CONTINUOUS RUN OF TREADS OR FLIGHT WITH FOUR OF MORE RISERS	1) AREAS THAT DO NOT MEET THE MINIMUM REQUIREMENTS FOR LIGHT AND VENTILATION PER 2019 RCO WITH GLAZED AREAS ALONE SHALL BE SUPPLEMENTED BY MECHANICAL LIGHT AND VENTILATION
PERFORMANCE REQUIREMENTS AND REFERENCED BUILDING CODE 2. DESIGN	3 ORC 311.7.8.1 HANDRAIL HEIGHT, MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSING, OR FINISH SURFACE OF RAMP SLOPE, SHALL BE NOT LESS THAN 34" AND NOT MORE THAN 38"	2) DOCUMENTATION OF THE ILLUMINATION AND VENTILATION EQUIPMENT AND FIXTURES NEED TO MEET THE MINIMUM
a. DEFLECTION REQUIREMENTS: MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360 MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240 b. LOADING REQUIREMENTS: LIVE LOAD = SEE PLAN, DEAD LOAD = 15 PSF MINIMUM FOR	4 ORC 311.7.8.5 THE HANDGRIP PORTION OF ALL HANDRAILS SHALL MEET THE SPECIFIC REQUIREMENTS OF THIS SECTION OR PROVIDE EQUIVALENT GRASPABILITY	REQUIREMENTS SHALL BE SUPPLIED BY THE CONTRACTOR.
FLOORS, INCREASE WHENES, LIVE LOAD - SEE PICAN, DEAD LOAD - IS PSF MINIMUM FOR FLOORS, INCREASE WHERE REQUIRED FOR SPECIFIC FLOOR FINISHES c. FINAL DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN OHIO, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE MANUFACTURER	5 ORC 312.1 PORCHES, BALCONIES, OR RAISED SURFACES LOCATED MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 36" HIGH. OPEN SIDES OF STAIRS	
d. SHOP DRAWINGS AND CALCULATIONS SHALL INDICATE COMPLIANCE WITH SPECIFIED PERFORMANCE, CODE AND MANUFACTURER'S REQUIREMENTS	WITH A TOTAL RISE OF MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 36" HIGH.	
e. PRODUCT DATA: SUBMIT MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING PREPARATION INSTRUCTIONS AND RECOMMENDATIONS, STORAGE AND HANDLING REQUIREMENTS, INSTALLATION METHODS	6 ORC 312.1.3 REQUIRED GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR AREAS, BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES WHICH DO NOT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER OR MORE	SHEET INDEX
<ul> <li>MISCELLANEOUS:</li> <li>a. STORE PRODUCTS UNTIL READY FOR INSTALLATION IN ACCORDANCE WITH</li> </ul>		A00.0 GENERAL NOTES STRUCTURAL NOTES
MANFACTURER'S RECOMMENDATIONS TO PROTECT AND PREVENT DAMAGE b. MAINTAIN ENVINRONMENTAL CONDITIONS WITHIN LIMITS RECOMMENDED BY MANUFACTURER FOR OPTIMUM RESULTS, DO NOT INISTALL PRODUCTS UNDER ENVIRONMENTAL		A00.1 SITE PLAN A00.2 WALL SECTIONS
CONDITIONS OUTSIDE MANUFACTURER'S LIMITS. c. PROVIDE ENGINEERED CONNECTORS SPECIFICALLY DESIGNED FOR CONNECTION TYPE AND APPLICATIONS		ZONING AND LOT AREAS       BUILDING AREAS       A00.3       Details         ZONING DISTRICT       HISTORIC DISTRICT       BUILDING AREA       SQ. FEET       A01.0       FOUNDATION PLAN
d. PROVIDE NAIL AND FASTENER TYPE AND SIZES PER MEMBER MANUFACTURER'S DETAILS AND RECOMMENDATIONS		HISTORIC RESIDENTIAL FINISHED LOWER LEVEL TBD A01.1 FINISHED BASEMENT PLAN
e. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SHOP DRAWINGS f. CONDITIONS AND PRACTICES NOT PERMITTED:		FIRST FLOOR     3,118.2     A02.0     FIRST FLOOR PLAN       SQ. FEET     SECOND FLOOR     1,263.7     A02.1     SECOND FLOOR FRAMING PLAN
DO NOT PLACE HOLES CLOSER TO SUPPORTS THAN RECOMMENDED BY MANUFACTURER DO NOT OVER CUT HOLES AND DAMAGE FLOOR JOISTS DO NOT MAKE HOLES WITH HAMMER UNLESS A KNOCKOUT IS PROVIDED FOR THIS PURPOSE		LOT TOTAL     20,745.4     TOTAL     4,381.9     A03.0     SECOND FLOOR PLAN       DEVELOPMENT COVER ALLOWED AT 45%     9,335.4     A03.1     ROOF FRAMING PLAN
DO NOT HAMMER ON FLANGE AND DAMAGE JOIST DO NOT CUT, NOTCH OR DRILL FLANGE DO NOT USE 16d OR LARGER NAILS IN FLANGE		GARAGE     838.0     A03.2     ROOF PLAN       PROPOSED BUILDING FOOTPRINT     3,589.4     A04.0     NORTH ELEVATION
DO NOT BEVEL CUT JOIST ENDS INSIDE EDGE OF BEARING DO NOT SUPPORT JOIST ON WEB DO NOT INSTALL VISIBLY DAMAGED JOISTS		(INC. COVERED PORCHES)     GROSS BUILDING AREA AS MEASURED       PROPOSED DRIVEWAY COVER     1,512.6         GROSS BUILDING AREA AS MEASURED   AT THE PERIMETER OF THE STRUCTURE A04.1 SOUTH ELEVATION
CLIMATIC/GEOGRAPHIC DESIGN CRITERIA 2019 RCO		PROPOSED WALKS COVER     1,512.6     SHEATHING LESS THE UPPER PART OF     A04.2     EAST ELEVATION       ANY TWO-STORY VOLUMES_FINISHED     ANY TWO-STORY VOLUMES_FINISHED     A04.2     EAST ELEVATION
ROOF SNOW WIND SEISMIC SUBJECT TO FROST SUBJECT TO SUBJECT TO WINTER DESIGN		PROPOSED PATIO COVER     701.1       BASEMENT AREAS MEASURED FROM     A05.0       BUILDING SECTIONS       THE OUTSIDE FACE OF INSULATED       A05.1       BUILDING SECTIONS
LOAD (SPF)     SPEED     USE GROUP     WEATHERING     DEPTH     TERMITE     DECAY     TEMP. FOR HTG.       20 DOE     <		TOTAL DEVELOPMENT COVER PROPOSED       5,953.4         STUD WALLS.       A06.0         INTERIOR ELEVATIONS         A07.0
20 PSF   115 MPH   I SEVERE   36"   YES   YES   3 DEG. F		A07.1 SECOND FLOOR ELECTRICAL
		A08.0 DETACHED SHED DRAWINGS



SQ. FEET
20,745.4
9,335.4
3,589.4
1,512.6
1,512.6
701.1
5.953.4





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# RTA Project Number

y 000000 Preliminary Biddi Constr

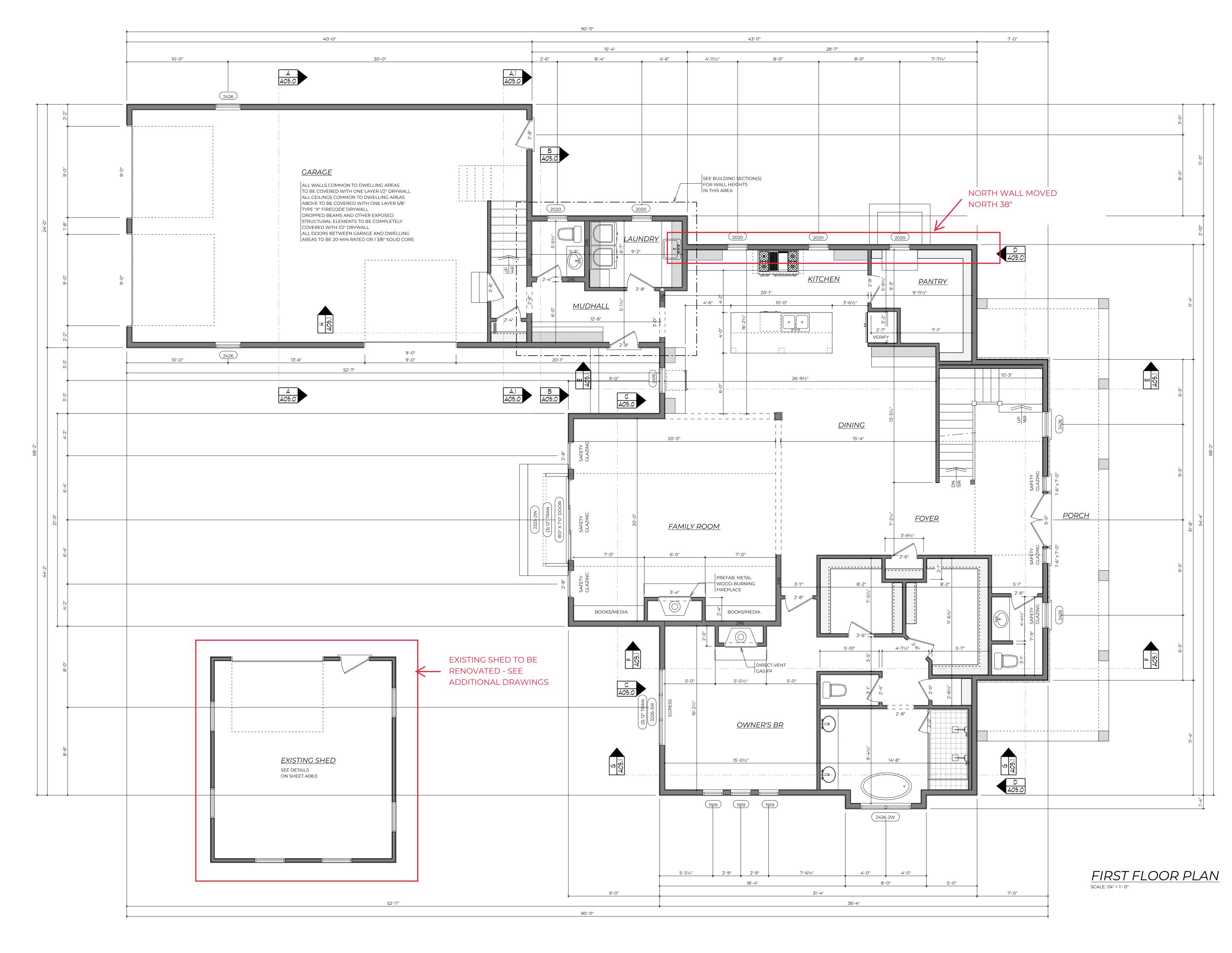
Bidding	060921
Construction	000000
Revision	Date
North wall	081221

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**GENERAL NOTES** STRUCTURAL NOTES SCHEDULES AND TABLES



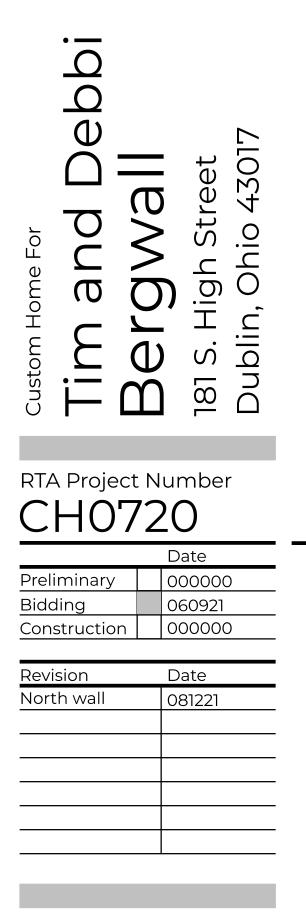


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FIRST FLOOR PLAN









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





RICHARD**TAYLOR** A R C H I T E C T S

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# ELEVATION NOTES

	ROOF	
1	VENTED RIDGE CAP	
2	PREFINISHED STANDING SEAM METAL ROOF 16" PANEL WIDTH	
2.1	DIMENSIONAL ASPHALT SHINGLES	
3	LP SMARTSIDE 1 X 8 FASCIA - FIELD PAINTED	
4	PREFINISHED ALUMINUM GUTTER AND DOWNSPOUTS	
5	LP SMARTSIDE 1 X 8 RAKE - FIELD PAINTED	
6	LP SMARTSIDE 1 X 6 FRIEZE - FIELD PAINTED	
	WALLS/TRIM	
7	CULTURED STONE OR THINSET NATURAL STONE	
8	LP SMARTSIDE 5/4" TRIM BOARD	
9	LP SMARTSIDE BOARD AND BATTEN SIDING 12" SPACING - FIELD PAINTED	
10	LP SMARTSIDE 1 X 4 CORNER TRIM FIELD PAINTED	
11	LP SMARTSIDE 1 X 4 TRIM - FIELD PAINTED	
12	LP SMARTSIDE 1 X 6 TRIM - FIELD PAINTED	
13	CUSTOM WOOD BRACKET - FEILD PAINTED SEE DETAIL SHEET A00	
14	BUILT UP WOOD COLUMN SEE DETAIL SHEET A00	
15	N/A	
16	8" CUT STONE LINTEL	
17	CUT STONE SILL	
	MISC	
18	PATTERN FLAGGED CUT LIMESTONE PORCH	

- 18
   PATTERN FLAGGED CUT LIMESTONE PORCH

   19
   CUT LIMESTONE SLAB STEP
- 20 CUSTOM METAL CHIMNEY SHROUD



# RTA Project Number CH0720

	Date
Preliminary	000000
Bidding	060921
Construction	000000
Revision	Date
North wall	081221
	•

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FRONT ELEVATION

LEFT ELEVATION





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



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	ROOF
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# RTA Project Number CH0720

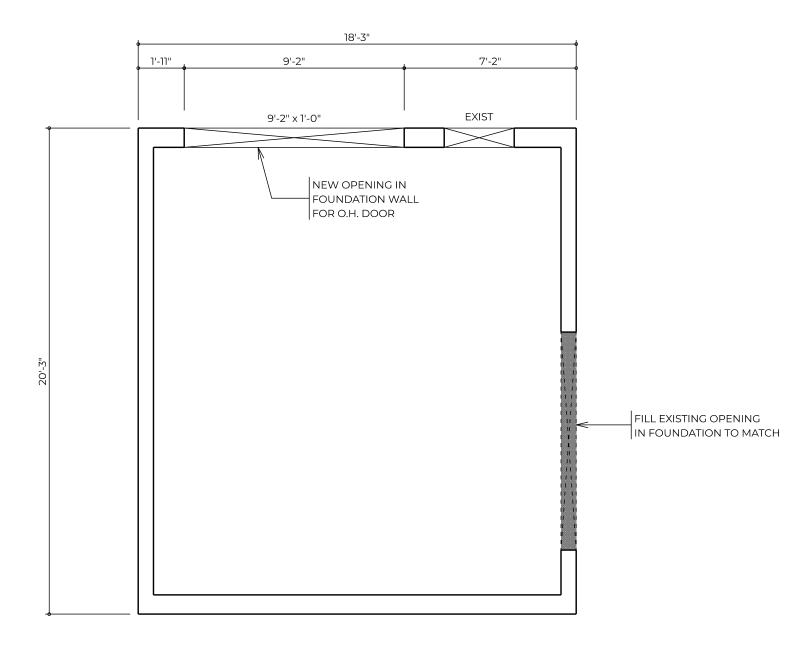
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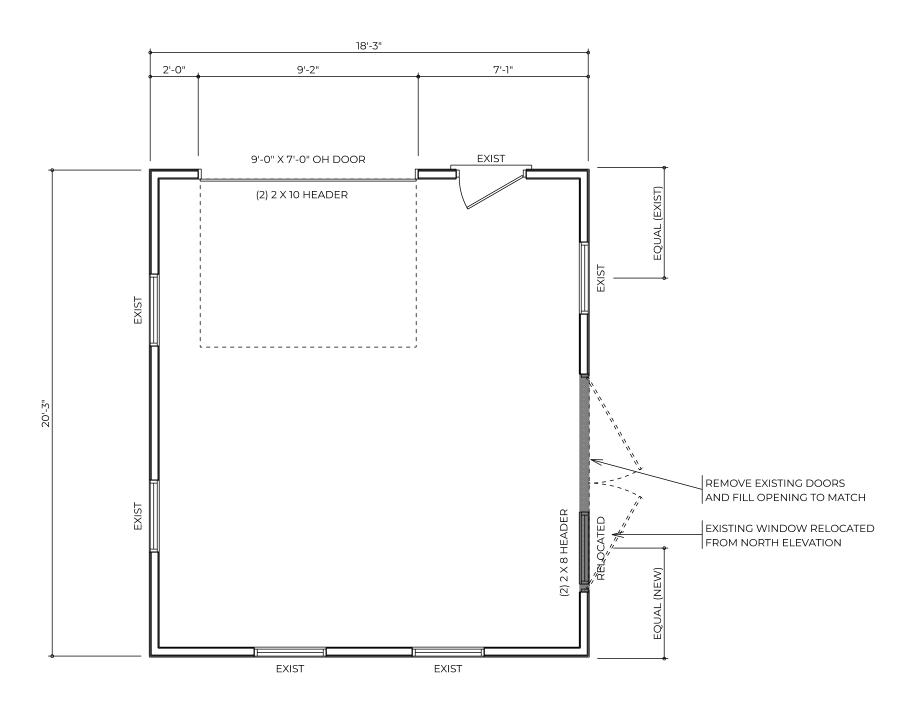
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REAR ELEVATION **RIGHT ELEVATION** 

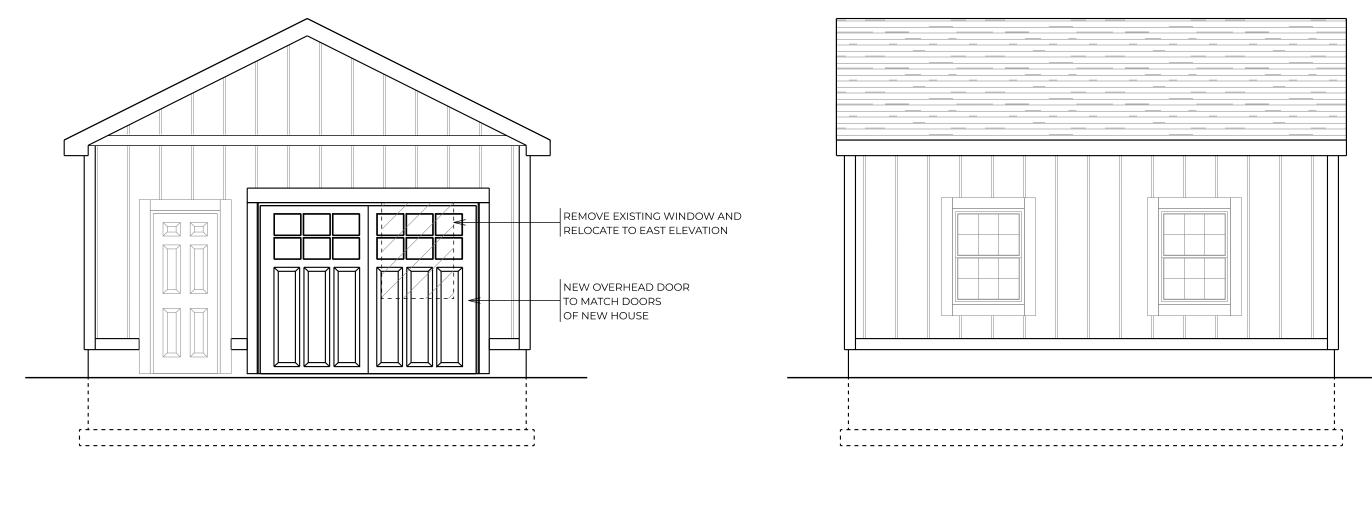




# FOUNDATION PLAN SCALE: 1/4" = 1'- 0"



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

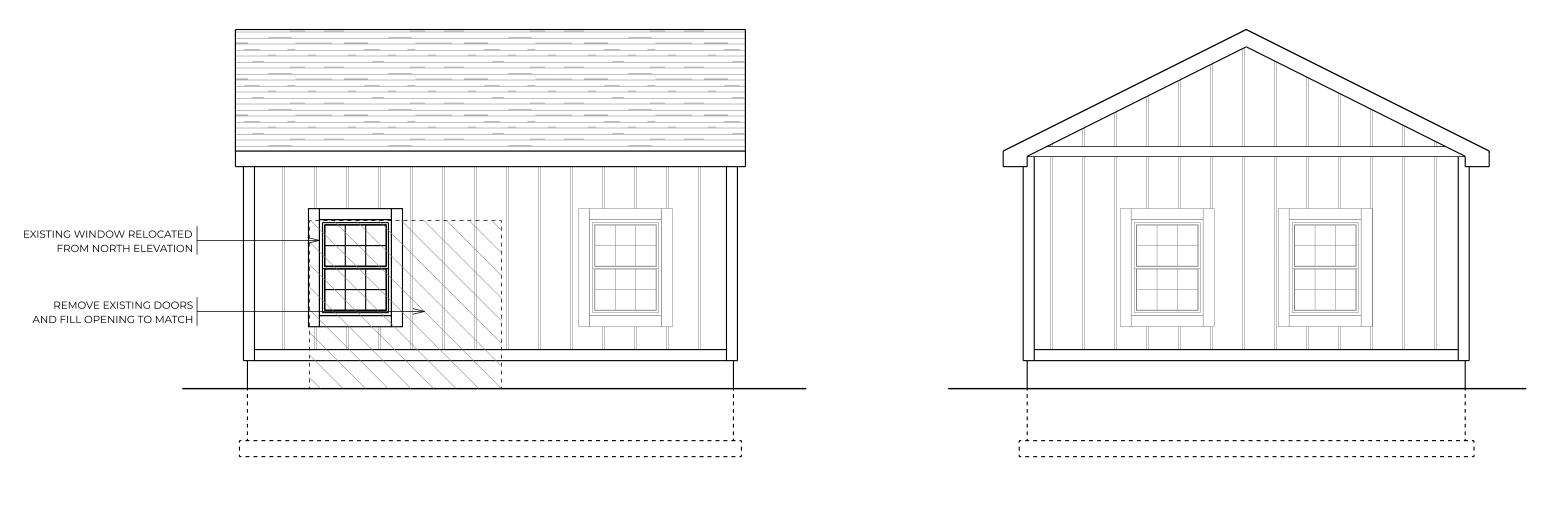






## SHED GENERAL NOTES

- REPLACE EXISTING ROOFING TO MATCH ROOFING OF NEW HOUSE
- 2 REPAIR/REPLACE EXISTING SIDING AND TRIM AS NEEDED TO MATCH
- 3 PAINT SIDING, TRIM, OVERHEAD DOOR TO MATCH NEW HOUSE







# WEST ELEVATION

# SOUTH ELEVATION SCALE: 1/4" = 1'- 0"





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**RENOVATION OF** EXISTING DETACHED SHED



