

ABBREVIATIONS

APPROX.

ARCH

BLDG

ELEC

EXIST

FLOOR

FOOT

FOOTING FURRING

GALVANIZED

GYPSUM BOARD

GENERAL CONTRACTOR

EXP

GALV

GYP. BD.

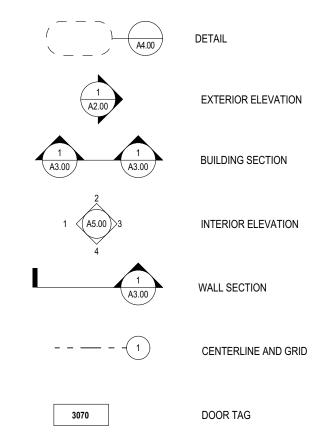
<u>ADDICE TO THE REPORT OF THE PERSON OF THE P</u>					
ABOVE AIR CONDITIONING ABOVE FINISHED FLOOR ALTERNATE	HC HDWR. HM HVAC COND.	HOLLOW CORE HARDWARE HOLLOW METAL HEATING, VENTILATION, AND AIR			
AUTHORITY HAVING JURISDICTION ALUMINUM	HT	HEIGHT			
APPROXIMATELY ARCHITECTURAL	INSUL	INSULATION			
ASPHALT	JST	JOIST			
BOARD BUILDING BOTTOM OF	LAM LF	LAMINATED LINEAR FOOT			
BEARING BOTTOM BETWEEN	MAS MATL MAX.	MASONRY MATERIAL MAXIMUM			
CUBIC FEET CAST IN PLACE CONTROL JOINT	MECH MFG. MIN. MISC	MECHANICAL MANUFACTURER MINIMUM MISCELLANEOUS			
CEILING CLEAR CONCRETE MASONRY UNIT	MO MTD MTL	MASONRY OPENING MOUNTED METAL			
CONCRETE CLEAN OUT CONTINUOUS	NOM NTS	NOMINAL NOT TO SCALE			
DOUBLE DEPARTMENT DIAMETER DIMENSION	O/ O.C. OPN	OVER ON CENTER OPENING			
DOWN DOOR DOWNSPOUT DETAIL DRAWING	PREFAB PLYWD P. LAM PR PSI	PREFABRICATED PLYWOOD PLASTIC LAMINATE PAIR POUNDS PER SQUARE INCH			
EACH ELECTRICAL EQUAL EXHAUST	REF RM RO REQ	REFERENCE ROOM ROUGH OPENING REQUIRED			
EXISTING EXPOSED EXTERIOR	SC SECT SIM.	SOLID CORE SECTION SIMILAR			
FLOOR DRAIN FOUNDATION	STRUC	STRUCTURAL TYPICAL			

TYPICAL

UNLESS NOTED OTHERWISE

WELDED WIRE FABRIC

DRAWING SYMBOLS



WINDOW TAG

PROJECT GENERAL NOTES

THE CONTRACTOR WILL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, PERMITS, TAXES, AND INSURANCE NECESSARY TO COMPLETE THE WORK INDICATED AND/ OR IMPLIED IN THE CONSTRUCTION DOCUMENTS UNLESS NOTED OTHERWISE AND WILL COORDINATE THE WORK RESPONSIBILITIES OF ALL SUBCONTRACTORS. ALL LABOR AND MATERIALS TO CARRY OUT FULLY THE INTENTIONS OF THE PLANS AND SPECIFICATIONS ARE PART OF THE CONTRACT, WHETHER OR NOT SPECIFICALLY DOCUMENTED.

ALL WORK WILL CONFORM TO THE CURRENT OHIO BUILDING, MECHANICAL & PLUMBING CODES, AS WELL AS THE CURRENT NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL OTHER APPLICABLE CITY CODES, LOCAL LAWS, AND AUTHORITIES HAVING JURISDICTION. CODE STANDARDS AND PUBLICATIONS OF PRIVATE AND PUBLIC BODIES MENTIONED WITHIN THE SPECIFICATIONS OR ON THE DRAWINGS, WILL BE CONSIDERED TO BE THOSE IN FORCE AT THE TIME OF THE CONTRACT AWARD.

THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONTROLLED INSPECTIONS AND ANY TECHNICAL TESTING REQUIRED FOR CONTROLLED INSPECTIONS AS STIPULATED BY ALL APPLICABLE CODES.

ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT WILL BE NEW AND FREE OF DEFECTS AND WILL BE SUPPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED, AND CONDITIONED AS DIRECTED BY THE RESPECTIVE MANUFACTURERS, UNLESS SPECIFIED OTHERWISE.

THE CONTRACTOR WILL NOTIFY THE ARCHITECT OF ANY ERRORS, OMISSIONS, CONFLICTS, OR AMBIGUITIES IN AND BETWEEN THE DRAWINGS AND THE SPECIFICATIONS PRIOR TO PROCEEDING WITH THE WORK. IF SUCH NOTICE IS NOT FURNISHED TO THE ARCHITECT, THE CONTRACTOR WILL BE DEEMED TO HAVE INSPECTED THE DRAWINGS AND SPECIFICATIONS AND TO HAVE FOUND THEM IN PROPER FORM FOR EXECUTION.

THE CONTRACTOR REPRESENTS THAT HE HAS HAD ADEQUATE ACCESS TO THE JOB SITE AND BUILDING AREA IN WHICH THE WORK IS TO BE PERFORMED, THAT HE HAS SATISFIED HIMSELF AT TO THE NATURE AND LOCATION OF WORK, INCLUDING ANY OBSTRUCTIONS, SCOPE OF WORK, ACTUAL LEVELS, THE EQUIPMENT AND FACILITIES NEEDED PRELIMINARY TO AND DURING THE EXECUTION OF THE WORK AND ALL OTHER MATTERS, WHICH CAN IN ANY WAY AFFECT THE WORK OR THE COST THEREOF UNDER THIS CONTRACT, AND THAT HE HAS STUDIED THE CONTRACT DOCUMENTS AND ALL OTHER DOCUMENTS PERTAINING TO THE INSTALLATION OF OTHER TRADES WHICH MAY INFLUENCE HIS WORK.

THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY, INCLUDING RESPONSIBILITY FOR ALL RELATED COSTS FOR ANY AND ALL WORK DONE WITHOUT THE APPROVAL OF THE ARCHITECT IF SUCH WORK IS IN CONFLICT WITH THE CONTRACT, DRAWINGS, OR SPECIFICATIONS.

THE OWNER WILL ESTABLISH THE LIMITS OF THE CONSTRUCTION SITE IN ADDITION TO ANY CONTRACT LIMIT LINES SHOWN IN THE DRAWINGS. THE CONTRACTOR WILL CONTINUE HIS OPERATIONS WITHIN THESE LIMITS, UNLESS UPON WRITTEN REQUEST AND REPLY, A VARIANCE IS AGREED TO BY THE OWNER. THE CONTRACTOR WILL BE RESPONSIBLE FOR TRESPASS ON AND/ OR DAMAGE TO OTHER PROPERTY BY ANY OF HIS EMPLOYEES OR HIS SUBCONTRACTOR'S EMPLOYEES.

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE SAFE WORKING CONDITIONS AT THE SITE. THE ARCHITECT AND OWNER WILL NOT BE DEEMED TO HAVE ANY RESPONSIBILITY OR LIABILITY IN CONNECTION HEREWITH.

CONSTRUCTION OPERATIONS WILL NOT INVOLVE INTERRUPTION OF HEATING, WATER, ELECTRICAL, OR OTHER SERVICES TO ANY PORTION OF THE BUILDING OUTSIDE THE LIMITS OF THE CONSTRUCTION SITE DESCRIBED IN NOTE 9.

THE CONTRACTOR WILL BE RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES CUASED BY DEFECTIVE OR ILL TIMED WORK AT NO ADDITIONAL COST TO THE OWNER.

NO SUBSTITUTIONS ARE PERMITTED EXCEPT WHERE THE TERM "APPROVED EQUAL" APPEARS. ALL SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ARCHITECT. THE CONTRACTOR IS TO SUBMIT SAMPLES OR CATALOG CUTS OF ALL VISIBLE MATERIALS AND EQUIPMENT FOR THE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.

BRAHAM RESIDENCE

PROJECT INFORMATION

CITY HUDSON
COUNTY SUMMIT COUNTY

PARCEL NO 3201335

NING ZONE 4 - HISTORIC RESIDENTIAL NEIGHBORHOOD

1915 ACRE

ROJECT NEW TWO STORY SINGLE FAMILY RESIDENCE

APPLICABLE CODEBUILDING: 2019 OHIO RESIDENTIAL BUILDING CODE ZONING: CITY OF HUDSON

PROJECT AREA

FIRST FLOOR 1,400 SF <u>SECOND FLOOR</u> 1,351SF **TOTAL 2,751 SF**

Excess Impervious Area Runoff Storage Calculations

Existing Garage & walks to remain: 525 +38 + 127 =690 s.f. subtotal

Proposed Hardsurface: 1536.6 s.f. (house w/ porches) + 120 (front/rear conc. walks) +990 (prop. Drive)

= 2646.6 s.f. subtotal

Total Site Hardsurface = 690 + 2646.6 s.f. =3336.6 s.f.

Total lot area (0.1915 ac.) = 8341.6 s.f.

Proposed total impervious area = 3336.6/8341.6 = 40%

Max. allowable impervious area = 40% or 3336.6 s.f.

Therefore, no stormwater retention required.

NOTE: This assumes 100% runoff (conservative)

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PROJECT TEAM

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PROJECT #: 2510

ISSUE ID DA
AHBR A 06/03

ISSUE ID DATE

AHBR A 06/03/2025

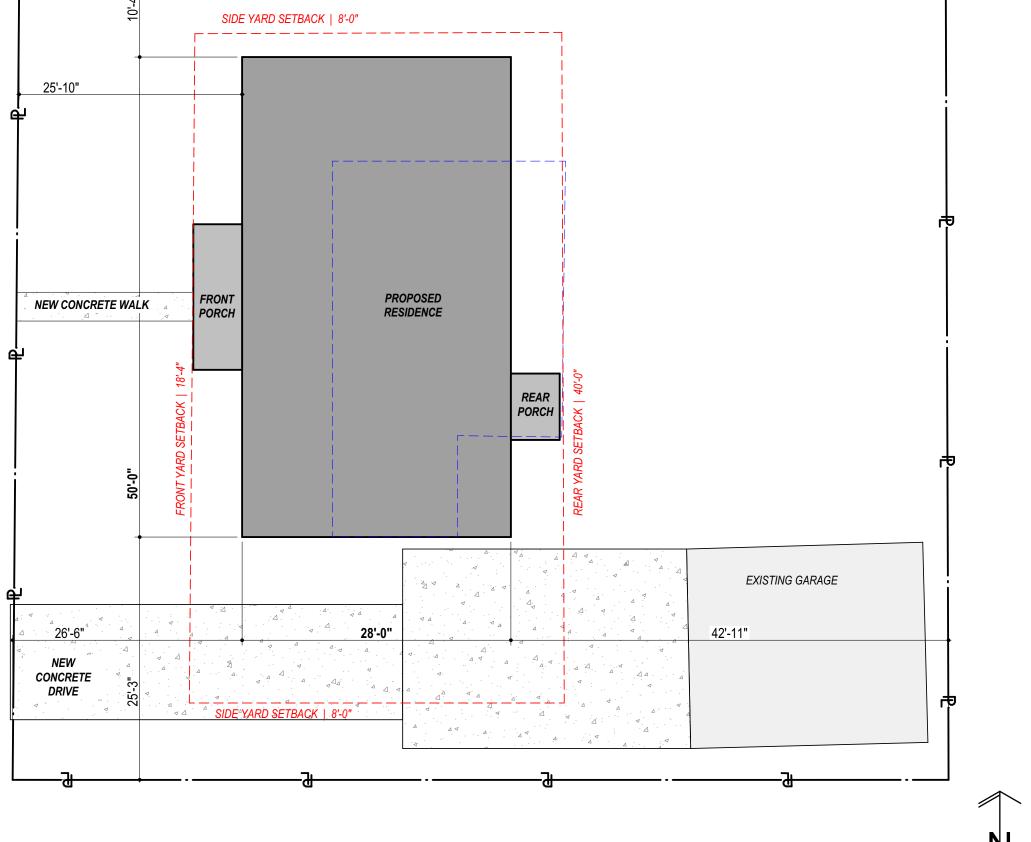
PROGRESS

NOT FOR CONSTRUCTION

6/5/2025

COVER SHEET





CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST OHIO RESIDENTIAL BUILDING CODE.

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING UPON COMPLETION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE, ENSURING SAFETY FOR ALL INVOLVED AND THE STRUCTURAL INTEGRITY DURING CONSTRUCTION. THIS RESPONSIBILITY EXTENDS TO ANY NECESSARY TEMPORARY BRACING OR SHORING. CONTRACTOR-SUPPLIED TEMPORARY SUPPORTS MUST REMAIN IN PLACE UNTIL THEY'RE REPLACED WITH PERMANENT STRUCTURES. THE TEMPORARY SUPPORTS MUST BE DESIGNED BY THE CONTRACTOR'S ENGINEER, WHO MUST BE REGISTERED AS A PROFESSIONAL ENGINEER IN OHIO.

THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. THE SUPPORTING SERVICES BY THE ENGINEER, WHETHER PERFORMED PRIOR TO, DURING, OR AFTER CONSTRUCTION, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS AND PROJECT SPECIFICATIONS; BUT THEY DO NOT GUARANTEE THE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSIDERED AS SUPERVISION OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTY AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.

PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND ADJACENT STRUCTURE(S), FINISHES AND UTILITIES DURING CONSTRUCTION.

THIS SET OF DRAWING IS BASED ON THE PRESUMPTION THAT ALL EXISTING CONSTRUCTION OR CONSTRUCTION PREVIOUSLY DONE ON THIS PROJECT OR PART OF THE EXISTING STRUCTURE IS FIELD VERIFIED, WHICH INCLUDES ALL DIMENSIONS AND CONDITIONS.

REFERENCE THE ARCHITECTURAL MECHANICAL, ELECTRICAL AND ANY OTHER RELEVANT TRADES FOR USE WITH THIS SET OF DRAWINGS.

COMPLY FULLY WITH ALL CODES HAVING JURISDICTION OVER THE WORK. IF ANY WORK OR INDICATED ON THE DRAWINGS IS IN CONFLICT WITH ANY CODE HAVING JURISDICTION, BRING IT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.

WHERE NOT INDICATED OTHERWISE, USE THE LATEST EDITION OF ALL CITED CODES.

ALL DIMENSIONAL DISCREPANCIES BETWEEN CONTRACT DOCUMENTS OR BETWEEN MANUFACTURE DETAILS AND THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.

SHOP DRAWINGS AND DEFERRED STRUCTURAL SUBMITTALS

SHOP DRAWINGS REQUIRED BY THE PROJECT SPECIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER / ARCHITECT FOR REVIEW PRIOR TO FABRICATION / PROCUREMENT. DRAWINGS ARE REVIEWED BY THE ENGINEER FOR GENERAL CONFORMANCE TO THE DESIGN PRIOR TO SUBMISSION TO THE BUILDING DEPARTMENT FOR REVIEW. REGARDLESS OF THE ENGINEER'S REVIEW, THE CONTRACTOR IS FULLY AND SOLELY RESPONSIBLE FOR COMPLETE AND SATISFACTORY SUBMITTAL AND CONFORMANCE TO THE CONTRACT DOCUMENTS. SHOP DRAWINGS WILL BE REJECTED FOR INCOMPLETENESS, LACK OF CALCULATIONS (IF REQUIRED), OR CHANGES WITHOUT PRE-APPROVAL. ALL STRUCTURAL CALCULATIONS AND DRAWINGS AS PART OF THE SHOP DRAWINGS SUBMITTAL SHALL BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN OHIO. FOR RE-SUBMITTALS, ALL CHANGES FROM THE PRIOR SUBMITTAL SHALL BE TIGHTLY ENCLOSED BY A "CLOUD" SO AS TO INDICATE ONLY THOSE AREAS CHANGED.

SLAB ON GRADE AND FOUNDATION SUB-GRADE SOIL PREPARATION

ALL ORGANIC, DELETERIOUS, CONTAMINATED OR OTHERWISE OBJECTIONABLE MATERIALS ENCOUNTERED ARE TO BE REMOVED FROM STRUCTURAL AREAS OF THE SITE.

SUBGRADE SECTORS WHICH WILL EXIST IN CUT AND THOSE WHICH ARE TO SUPPORT STRUCTURES ARE TO BE PROOF ROLLED OR COMPACTED WITH A PLATE VIBRATOR. AREAS EXHIBITING INSTABILITY ARE TO BE UNDERCUT AND BACKFILLED ON A LIFT-BY-LIFT BASIS WITH EACH LIFT COMPACTED. LIFTS SHALL NOT EXCEED MORE THAN 8" THICKNESS. IF UNSTABLE SUBGRADE SECTORS CANNOT BE STABILIZED BY EXCAVATION AND RECOMPACTION, THEN APPROVED GRAVEL OR SIMILAR COARSE AGGREGATE MATERIALS SHALL USED. EACH LIFT IS TO BE COMPACTED TO 98% DENSITY BY ASTM D-698.

FOUNDATIONS

ALLOWABLE SOIL BEARING PRESSURE = 2,000 PSF (PRESUMED)

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE TOPSOIL AND EXCAVATION DEPTH; INSPECT SUBSOIL EXPOSED DURING EXCAVATION, GRADING, AND OTHER EXCAVATION OPERATIONS; APPROVE FILL MATERIALS, PERFORM DENSITY TESTS OF FILLS TO VERIFY PLACEMENT PER SPECIFICATION; INSPECT FOUNDATION BEARING SURFACES AND VERIFY ASSUMED BEARING CAPACITIES.

CONTRACTOR SHALL MEET ALL LOCAL JURISDICTION REQUIREMENTS FOR FOUNDATION INSPECTIONS.

INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES, WHICH WILL RESULT IN DETERIORATION OF BEARING FORMATIONS, SHALL BE PREVENTED. FOOTINGS SHALL BE PLACED IMMEDIATELY FOLLOWING FOOTING EXCAVATIONS AND BEARING SURFACE INSPECTION.

ALL FILL MATERIALS SHALL BE FREE OF ORGANIC CONTAMINATIONS AND OTHER DELETERIOUS MATTER.

NOTIFY ARCHITECT OF ANY UNUSUAL SOIL CONDITIONS. IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED.

CONCRETE

REINFORCING BARS SHALL BE NEW BILLET STEEL BARS CONFORMING TO ASTM A-615. GRADE 60 (60,000 PSI YIELD). WELDED WIRE MESH REINFORCING SHALL CONFORM TO ASTM A-185. ALL CONCRETE CONSTRUCTION, DETAILING, FABRICATING, AND PLACING SHALL CONFORM TO ACI 301 & 318, LATEST EDITION, UNLESS NOTED OTHERWISE. NO TACK WELDING OF REINFORCING IN THE FIELD WILL BE PERMITTED.

MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS:
FOUNDATIONS = 3,000 PSI
SLAB ON GRADE = 4,000 PSI

LAP REINFORCING BARS THE FOLLOWING LENGTHS #4 = 25", #5 = 31", #6 = 40"

GROUND GRANULATED BLAST FURNACE SLAG AND CALCIUM CHLORIDE IS NOT PERMITTED.

AIR ENTRAINMENT: 6% (± 1%) IN ALL EXTERIOR EXPOSED CONCRETE.

CURING: CONTRACTOR TO USE LIQUID SPRAYED CURING AGENT. VERIFY CURING AGENT IS ACCEPTABLE TO BE USED WITH FLOORING, IF APPLICABLE

REINFORCING COVERS SHALL BE TYPICALLY 2" AND IF CAST AGAINST EARTH SHALL BE 3". EXCLUDES SLABS WHERE THE REINFORCING SHALL BE CENTERED UNO.

POTABLE WATER SHALL BE USED IN ANY MIX DONE ON SITE.

CONTRACTOR SHALL SUMMIT CONCRETE MIX FOR REVIEW AND APPROVAL.

STRUCTURAL STEEL

DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE LATEST AISC SPECIFICATIONS.

STRUCTURAL STEEL: PLATES, ANGLES, CHANNELS = A36 (Fy=36 KSI)
WIDE FLANGE SHAPES = A992 GR. 50 (Fy=50 KSI)
TUBES = A500 GR. C (Fy=46 KSI)

PIPES = A53 GR. B (Fy=35 KSI)

FIELD CONNECTIONS SHALL BE BOLTED, BEARING TYPE UNLESS NOTED OTHERWISE, ASTM A325, F3125, GR325 HIGH STRENGTH BOLTS. ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH THE LATEST AWS SPECIFICATIONS.

GENERAL CONTRACTOR SHALL VERIFY ALL STRUCTURAL BEAM LOCATIONS AND LENGTHS, TAKING CAREFUL CONSIDERATION OF THE CLEARANCES OF THE BEAMS AND NOTIFY ARCHITECT IF ISSUES ARE EXPECTED TO BE ENCOUNTERED.

MASONRY

MASONRY SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/TMS 402) AND "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602).

BRICK AND CONCRETE MASONRY CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF THE BRICK INDUSTRY ASSOCIATION (BIA) AND THE NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) AND MINIMUM REQUIREMENTS ESTABLISHED IN THE APPLICABLE BUILDING CODE.

MASONRY SHALL HAVE A COMPRESSIVE STRENGTH OF F'M = 2,000 PSI BASED ON UNIT STRENGTH METHOD, UNLESS OTHERWISE NOTED.

CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90.

MORTAR FOR STRUCTURAL MASONRY SHALL BE TYPE S, CONFORMING TO ASTM C270, AND BE EITHER PORTLAND CEMENT, HYDRATED LIME, OR MORTAR CEMENT. MASONRY CEMENT MORTAR IS NOT ACCEPTABLE FOR STRUCTURAL MASONRY.

GROUT TO FILL CORES SHALL BE ASTM C476, COARSE GROUT (3/8" MAXIMUM AGGREGATE) WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI IN 28 DAYS.

REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.

DEFORMED BAR ANCHORS SHALL CONFORM TO ASTM A496, 70 KSI YIELD STRENGTH.

CONCRETE MASONRY UNITS SHALL HAVE 9 GA GALVANIZED HORIZONTAL JOINT REINFORCEMENT AT 16" OC (LADDER OR TRUSS). LAP 8" MINIMUM.

CORES WITH REINFORCEMENT SHALL BE FILLED WITH GROUT AND CONSOLIDATED IN PLACE BY VIBRATION.

PLACE REINFORCING BARS BEFORE GROUTING. PROPERLY SECURE REINFORCING BARS AT 4'-0" ON CENTER VERTICALLY TO MAINTAIN THE POSITIONS INDICATED ON THE DRAWINGS. BARS TO BE LOCATED IN CENTER OF CELLS UNLESS OTHERWISE NOTED.

MORTAR PROTRUSIONS, EXTENDING INTO CELLS TO BE REINFORCED, SHALL BE REMOVED.

LAY MASONRY UNITS WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS.

BED WEBS IN MORTAR IN STARTING COURSE ON FOOTING AND IN ALL COURSES OF COLUMNS, AND AT CELLS TO BE REINFORCED. PROVIDE 16" OF SOLID MASONRY UNDER WALL BEARING BEAMS AND JOIST GIRDERS UNLESS NOTED OTHERWISE.

CORNERS TO BE TIED BY MASONRY BOND.

GROUT CORES SOLID ONE COURSE BELOW ANY CHANGE IN WALL THICKNESS.

CMU SHALL BE TEMPORARILY BRACED DURING CONSTRUCTION IN ACCORDANCE WITH THE GOVERNING BUILDING CODE FOR LATERAL DESIGN LOADS UNTIL PERMANENT RESTRAINTS HAVE BEEN INSTALLED. TEMPORARY BRACING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REPAIRS RESULTING FROM IMPROPER OR INSUFFICIENT BRACING.

WOOD FRAMING

OTHERWISE.

CONVENTIONAL LUMBER FRAMING

DETAIL, FABRICATE, AND ERECT STRUCTURAL WOOD IN ACCORDANCE WITH THE LATEST VERSION OF THE OHIO RESIDENTIAL BUILDING CODE, NDS (NATIONAL DESIGN SPECIFICATION), ANSI / AWC WFCM (WOOD FRAMED CONSTRUCTION MANUAL), AITC (AMERICAN INSTITUTE OF TIMBER CONSTRUCTION), AND THE LOCAL JURISDICTION HAVING AUTHORITY AND THESE DRAWINGS.

STRESS GRADE OF CONVENTIONAL LUMBER SHALL BE AS FOLLOWS:
IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.

WOOD MEMBERS SHALL BE SPRUCE PINE FIR PER NDS, VISUALLY GRADED DIMENSION LUMBER, UNLESS NOTED OTHERWISE. ALL LUMBER SHALL BEAR THE GRADE STAMP OF AN APPROVED TESTING AGENCY, EXCEPT EXPOSED LUMBER AT VISIBLE AREAS.

SPRUCE PINE FIR (SPF):

GRADE:

BENDING Fb = 875 psi

No. 2 OR BETTER

TENSILE Ft = 450 psi

SHEAR Fv = 135 psi

COMPRESSIVE (^TO GRAIN) Fc = 425 psi

COMPRESSIVE ("TO GRAIN) Fc = 1,150 psi

MODULUS OF ELASTICITY E = 1,400 ksi

MOISTURE CONTENT 19% MAX

MAXIMUM MOISTURE CONTENT FOR ALL WOOD STRUCTURAL MEMBERS SHALL NOT EXCEED 19% PROVIDE DIAGONAL BRIDGING OR FULL DEPTH WOOD BLOCKING AT 8'-0" ON CENTER MAXIMUM SPACING.

SCHEDULES FOR WOOD CONNECTORS ARE BASED ON PRODUCTS MANUFACTURED BY SIMPSON STRONG-TIE. ALL CONNECTIONS SHALL BE INSTALLED TO THE MINIMUM REQUIREMENTS OF SIMPSON, UNLESS NOTED

ALL BEAMS AND POSTS SHALL BE SUPPORTED LATERALLY IN BOTH HORIZONTAL DIRECTIONS AT BEARING POINTS. BEARING ENDS OF WOOD BEAMS SHALL HAVE A MINIMUM OF 1 STUD/POST (JACK STUD) PER 2" WIDTH OF BEAM EXCEPT FOR SPECIFICALLY DESCRIBED IN THE DOOR AND WINDOW HEADER SCHEDULE. ROUND UP TO WHOLE STUD/ POST. MULTI-PLY BEAMS REQUIRE A MINIMUM OF 3" BEARING EACH SIDE UNLESS NOTED OTHERWISE IN THE WINDOW AND DOOR SCHEDULE OR IN THESE DRAWINGS.

MULTI-PLY BEAMS CONSTRUCTED OF CONVENTIONAL LUMBER SHALL BE CONNECTED TO EACH OTHER USING 4-16d NAILS AT 12" ON CENTER IN SPACED PATTERN OR ZIG-ZAG PATTERN. EACH PLY MUST BE FASTENED TO EACH OTHER AND FASTENERS MUST PENETRATE FULLY THROUGH EACH LAYER.

FRAMING CONNECTIONS SHALL BE MANUFACTURED BY SIMPSON AND SHALL MEET THE REQUIREMENTS OF THESE DRAWINGS. ALL SUBSTITUTIONS OR OTHERWISE NOT SPECIFICALLY DETAILED MUST BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL. LUMBER SUPPLIER TO FURNISH APPROPRIATE CONNECTIONS AS SPECIFIED HEREIN.

ALL FRAMING CONNECTIONS SHALL BE HOT DIPPED GALVANIZED STEEL UNLESS NOTED OTHER WISE WITHIN THESE DRAWINGS. BOLT HOLES SHALL BE 1 16" GREATER THAN THE BOLT DIAMETER AND WASHERS ARE REQUIRED ON ALL FAYING SURFACES IN CONTACT WITH WOOD. (BOTH SIDES)

ALL EXTERIOR EXPOSED LUMBER SHALL BE CONSTRUCTED USING PRESSURE TREATED LUMBER AND MUST MEET THE ENVIRONMENTAL REQUIREMENTS OF THE LOCAL JURISDICTION HAVING AUTHORITY. FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER OR FIRE RETARDANT LUMBER MUST BE APPROVED FOR USE WITH PRESSURE TREATED LUMBER BY THE MANUFACTURE OR BE GALVANIZED OR STAINLESS STEEL (300 SERIES).

WOOD MAY SHRINK AFTER CONSTRUCTION IS COMPLETED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR WOOD SHRINKAGE ISSUE AND IS REQUIRED TO BRING UP ANY POTENTIAL OR PROBABLE ISSUES WITH THE ARCHITECT. NAILS ARE TO BE COMMON AND THE SCHEDULE OF NAILS PER CONNECTION SHALL MEET THE OHIO RESIDENTIAL BUILDING CODE PRESCRIPTIVE REQUIREMENTS OR THE AWC WFCM SPECIFICATIONS. CONNECTIONS TO SIMPSON CONNECTIONS SHALL BE BY THE MANUFACTURER.

WOOD SILLS ON CONCRETE OR MASONRY WALLS MUST BE SEPARATED BY SILL PLATE GASKET OR SILL SEAL CONTINUOUSLY. WOOD SILLS ARE TO BE ANCHORED TO THE STRUCTURAL WALLS / SLAB BELOW USING 1/2" Ø x 18" A307 OR A36 (L-BOLTS) AT 48" ON CENTER AND BE EMBED 12" MINIMUM.

ALL LAP SPLICES TO BE 3' LONG WITH A MINIMUM OF (8) 16d NAILS THROUGH LAP.

ROOF RAFTERS

PROVIDE BLOCKING OR BRIDGING AT 8'-0" ON CENTER TYPICAL.

PROVIDE BLOCKING AT RIDGE IF RIDGE IS NOT TIGHT TO BOTTOM OF DECK.

RAFTER TOES ARE TO HAVE A CONTINUOUS RIM ROAD OF THE SAME SIZE AS THE RAFTER.

RAFTERS ARE TO BE CUT NEATLY WITH ACCURATE ANGLES (+/- 1°), AND OVER CUTTING AT BIRD'S MOUTHS OR NOTCHES IS NOT PERMITTED.

END GABLE BRACING:

FULL DEPTH BLOCKING IS REQUIRED BETWEEN RAFTERS AT 3 EQUAL SPACES OR 4 FT MAX SPACING FOR THE FIRST 3 JOIST SPACES. ADDITIONAL BLOCKING IS ALSO REQUIRED FOR 4 ADJACENT JOIST SPACES CENTERED ON EACH SUPPORT POST/ COLUMN OR BEARING WALL.

MICROLLAM LVL'S

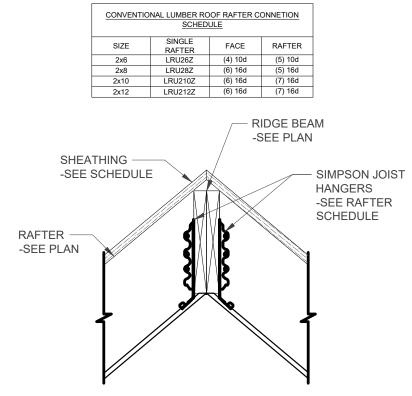
MICROLLAM LVL'S (LAMINATED VENEER LUMBER) AND LSL (LAMINATED STRAND LUMBER) SHALL BE BY WEYERHAEUSER (ICC-ESR 1387) OR APPROVED EQUAL.

ALL MICROLLAM LVL'S SHALL BE GRADE 2.0E WITH THE FOLLOWING MATERIAL SPECIFICATIONS:

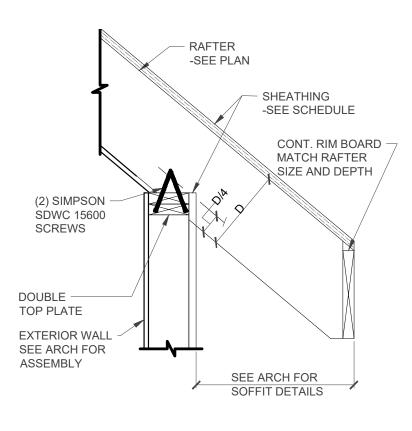
2.0E MICROLLAM LVL BENDING Fb = 2,600 psi
TENSILE Ft = 1,555 psi
SHEAR Fv = 285 psi
COMPRESSIVE (^ TO GRAIN) Fc = 750 psi
COMPRESSIVE ("TO GRAIN) Fc = 2,510 psi
MODULUS OF ELASTICITY E = 2,000 ksi

DO NOT NOTCH, PLACE HOLES IN OR MODIFY THE MEMBERS IN ANYWAY EXCEPT CUTTING SQUARE CUTS TO FIT THE MEMBER.

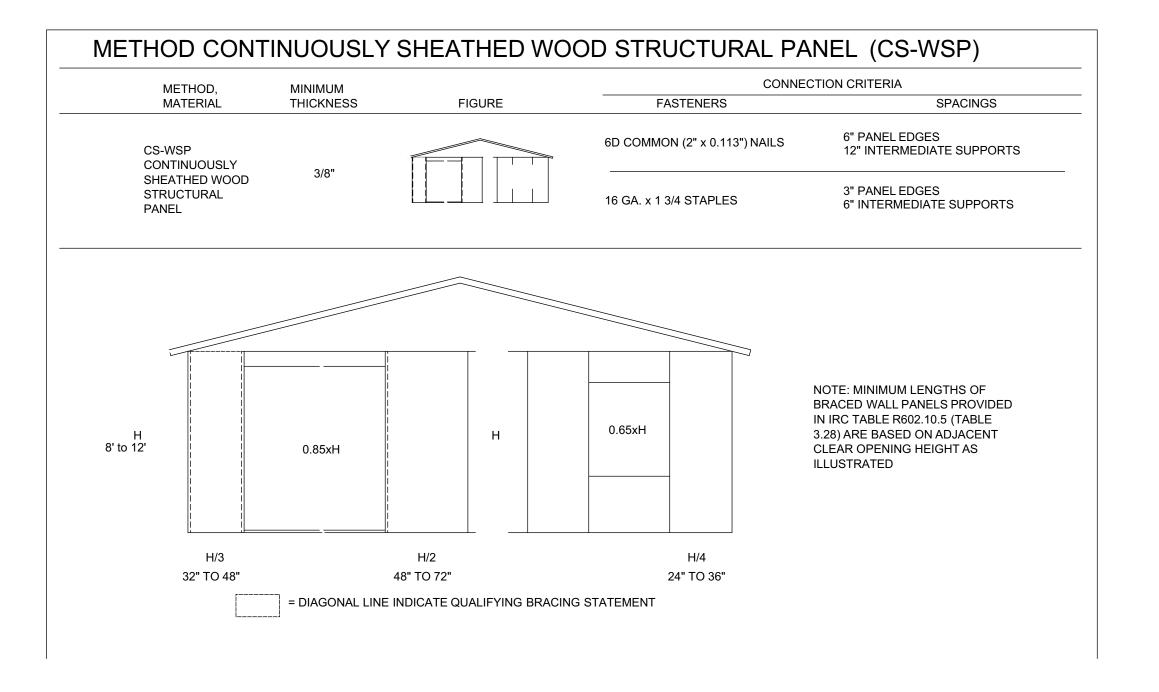
ALL MICROLLAMS SHALL BE IDENTIFIABLE BY A STAMP INDICATING THE PRODUCT TYPE, GRADE AND ICC NUMBER. THE CONTRACTOR SHALL FOLLOW ALL OF THE MANUFACTURES INSTRUCTIONS FOR STORAGE AND INSTALLATION.



RAFTER HANGER SCHEDULE



RAFTER BEARING DETAIL





haraarchitects.com

ARCHITECT

HARA ARCHITECTS

STRUCTURAL

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ISSUE ID DATE

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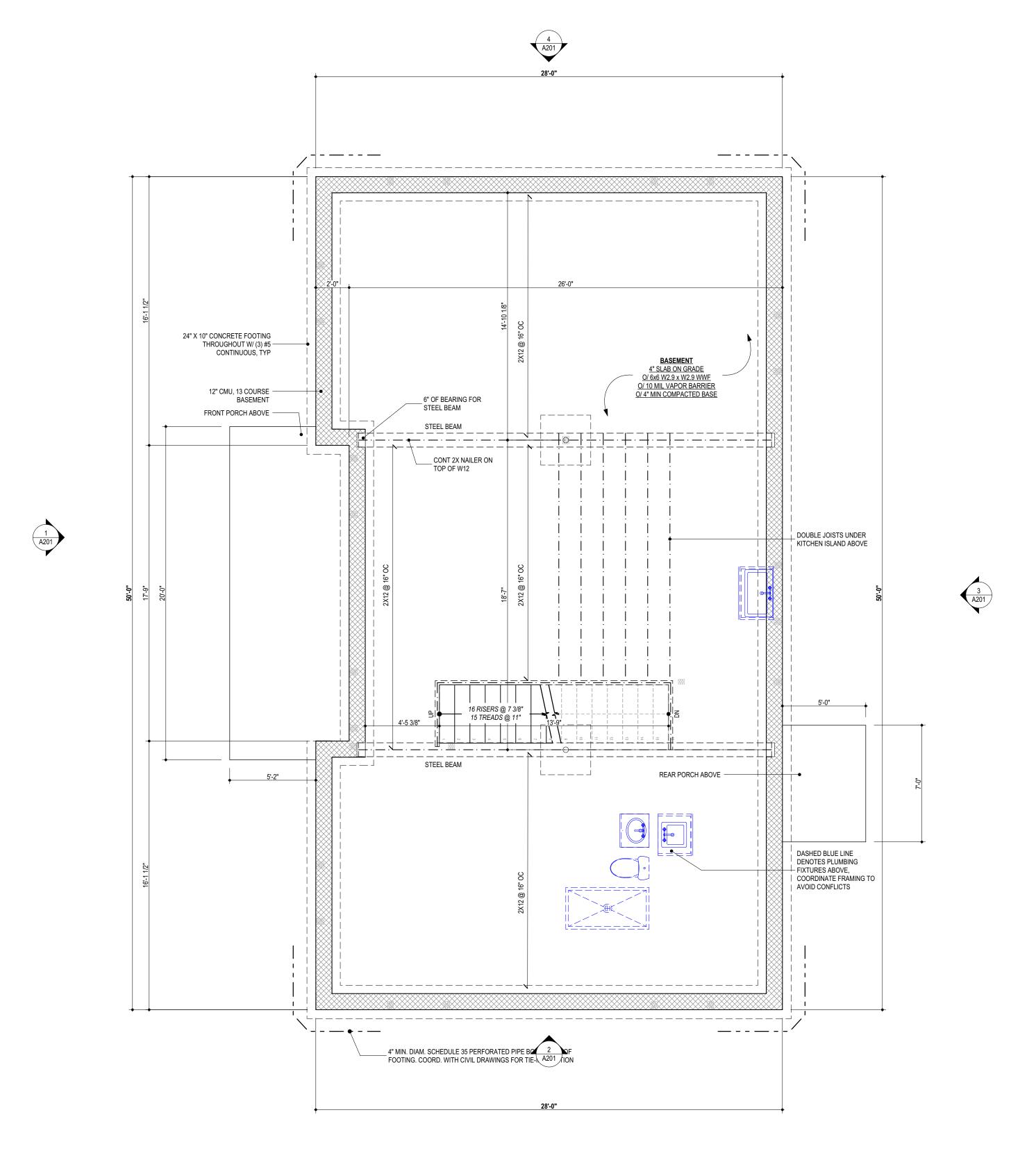
PROGRESS

NOT FOR CONSTRUCTION

6/3/2025

GENERAL NOTES

G101





PROJECT TEAM:

HARA ARCHITECTS

ARCHITECT

STRUCTURAL I A LEWIN

FOUNDATION PLAN GENERAL NOTES

BLOCK WEBS SOLID AT BEARING WALL LOCATIONS ABOVE

CONTRACTOR TO EXTEND ALL POSTS DOWN TO SOUND FOUNDATION, INSTALL FULL DEPTH SOLID BLOCKING AT ALL POINT LOAD LOCATIONS

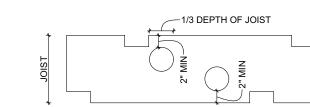
ALL FOOTINGS TO EXTEND DOWN TO FROST LEVEL MIN.

INDICATES LOCATION OF POINT LOAD ABOVE

[] INDICATES LOCATION OF BEARING WALL ABOVE

COORDINATE EXACT LOCATIONS OF FLOOR DRAIN WITH MECH.CONTRACTOR

FOAM INSULATION (BOARD OR SPRAY) MUST BE CLASS ONE FIRE RATED OR COVERED BY A THERMAL BARRIER (I.E. GYPSUM BOARD, INTUMESCENT COATING)



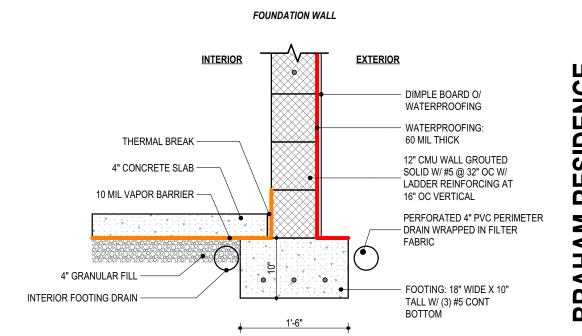
SECTION 502.8

NOTCHES IN THE TOP OR BOTTOM OF JOISTS SHALL NOT EXCEED ONE-SIXTH THE DEPTH OF THE JOIST AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. WHERE JOISTS ARE NOTCHED ON THE ENDS FOR A LEDGER, THE NOTCH SHALL NOT EXCEED ONE-FOURTH THE JOISTS DEPTH. CANTILEVERED JOISTS SHALL NOT BE NOTCHED UNLESS THE REDUCED SECTION PROPERTIES AND LUMBER DEFECTS ARE CONSIDERED IN THE DESIGN. HOLES DRILLED OR BORED IN JOISTS SHALL NOT BE WITHIN 2 INCHES OF THE TOP OR BOTTOM OR THE JOISTS AND THEIR DIAMETER SHALL NOT EXCEED ONE-THIRD THE DEPTH OF THE JOIST.

SECTION 602.6

ANY STUD IN AN EXTERIOR BEARING PARTITION MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25% OF ITS WIDTH. STUDS IN NON-BEARING PARTITIONS MAY BE NOTCHED TO A DEPTH NOT TO EXCEED 40% OF A SINGLE STUD WIDTH. ANY STUD MAY BE BORED OR DRILLED, PROVIDED THAT THE DIAMETER OF THE RESULTING HOLES IS NO GREATER THAN 40% OF THE STUD WIDTH, THE EDGE OF THE HOLE IS NO CLOSER THAN 5/8 INCH TO THE EDGE OF THE STUD, AND THE HOLE IS NOT LOCATED IN THE SAME SECTION AS A CUT OR NOTCH.

FOUNDATION PLAN SECTION



COLUMN & FOOTING SCHEDULE ALL COLUMNS TO HAVE 1/2" CAP BEARING PLATES W/ (4) 5/8" BOLTS IN

EACH PLATE F1 4'-0" x 4'-0" x 1'-0" W/ (6) #5 TOP & BOTTOM EACH WAY

3'-0" DIAMETER x 3'-6" W/ 6X6 W2.9 X W2.9 WWF AROUND

WF-1 1'-6" x 1'-0" W/ (3) #5 CONT BOTTOM

PROJECT #: 2510

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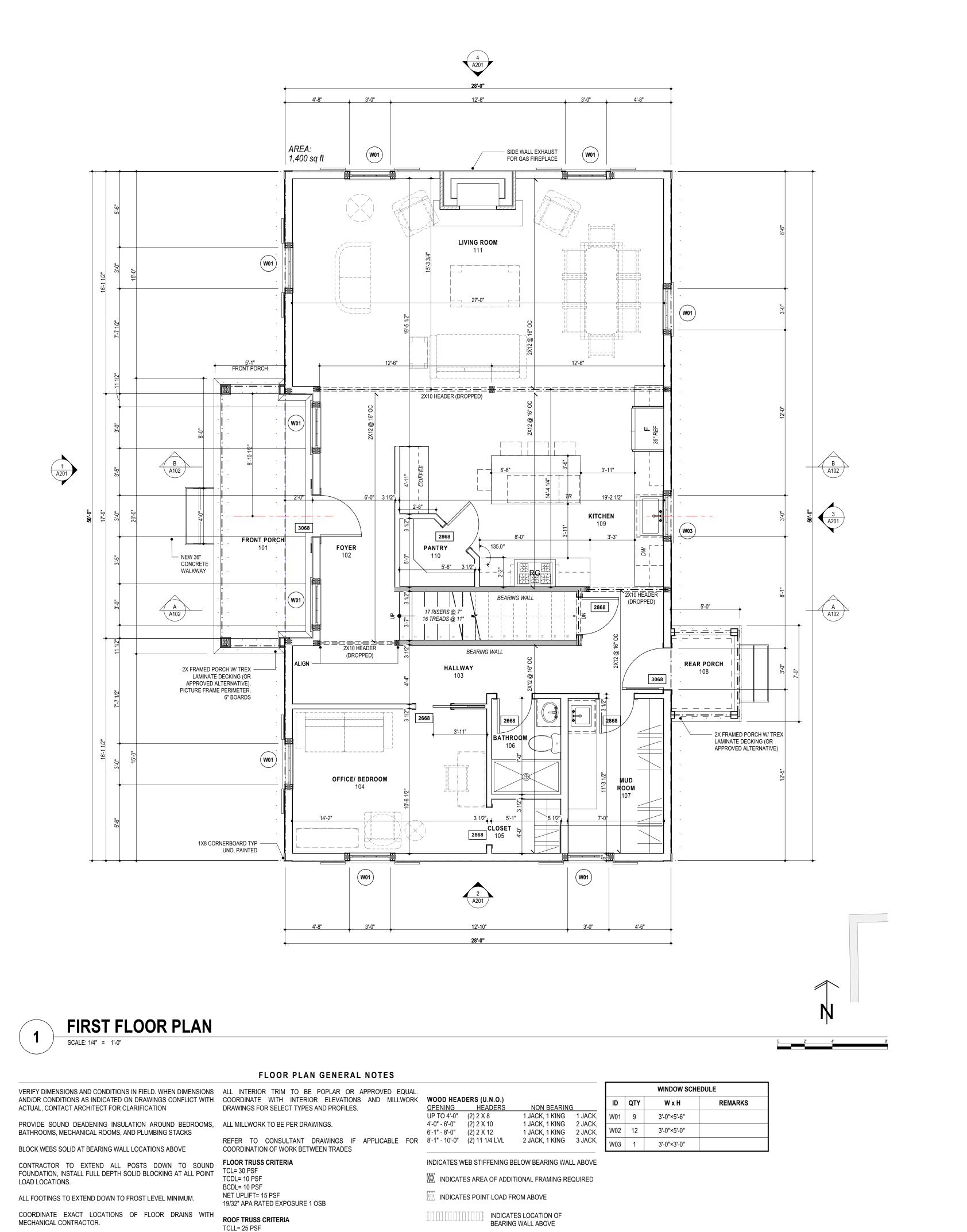
FOUNDATION PLAN

PROGRESS

NOT FOR CONSTRUCTION

6/3/2025

FOUNDATION PLAN



INDICATES BEARING WALL

TCDL= 10 PSF

BCDL= 10 PSF NET UPLIFT= 10 PSF

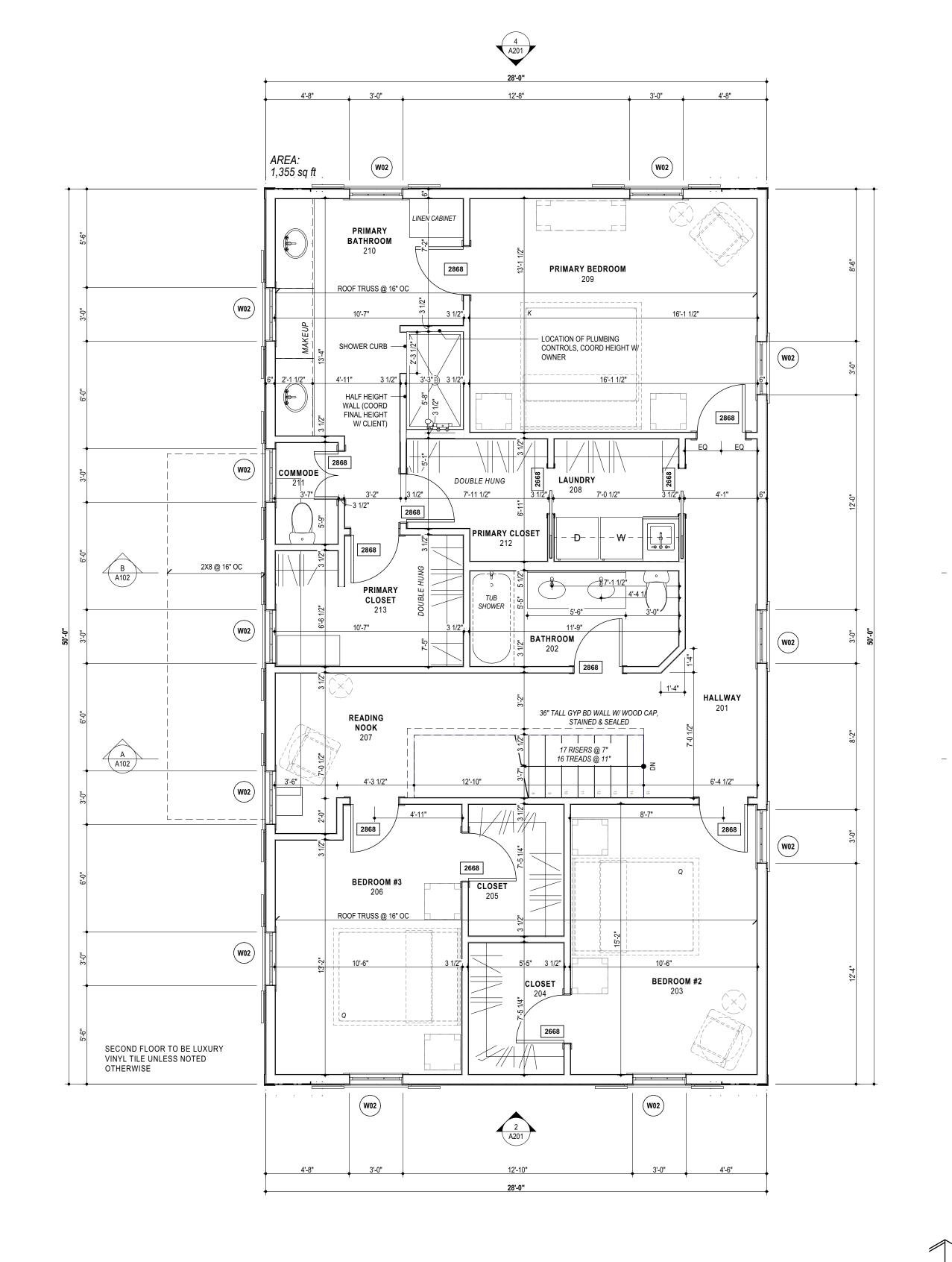
 Δ TTL < L/240

ATTIC LL= 40 PSF

PROVIDE 5/8" GYP. BOARD TYPE "X" ON GARAGE CEILINGS.

ALL INTERIOR DOORS TO BE 1 7/8" SOLID CORE WOOD DOORS.

COORDINATE WITH FINISH PLANS FOR FINAL FINISH SELECTIONS



SECOND FLOOR PLAN

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

PROGRESS

NOT FOR

PROJECT #: 2510

A 06/03/2025

PROJECT TEAM:

HARA ARCHITECTS

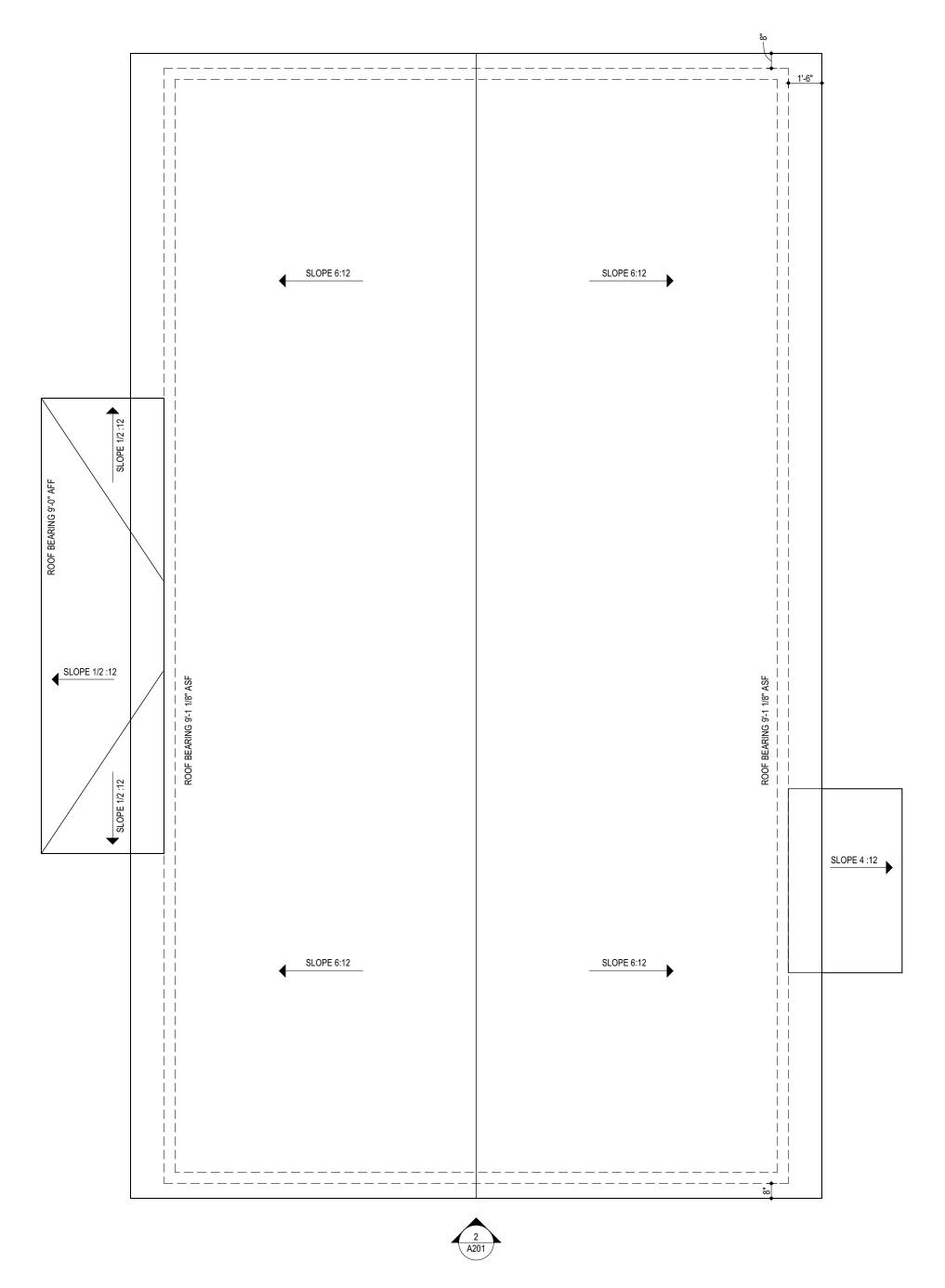
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FIRST & SECOND FLOOR PLAN

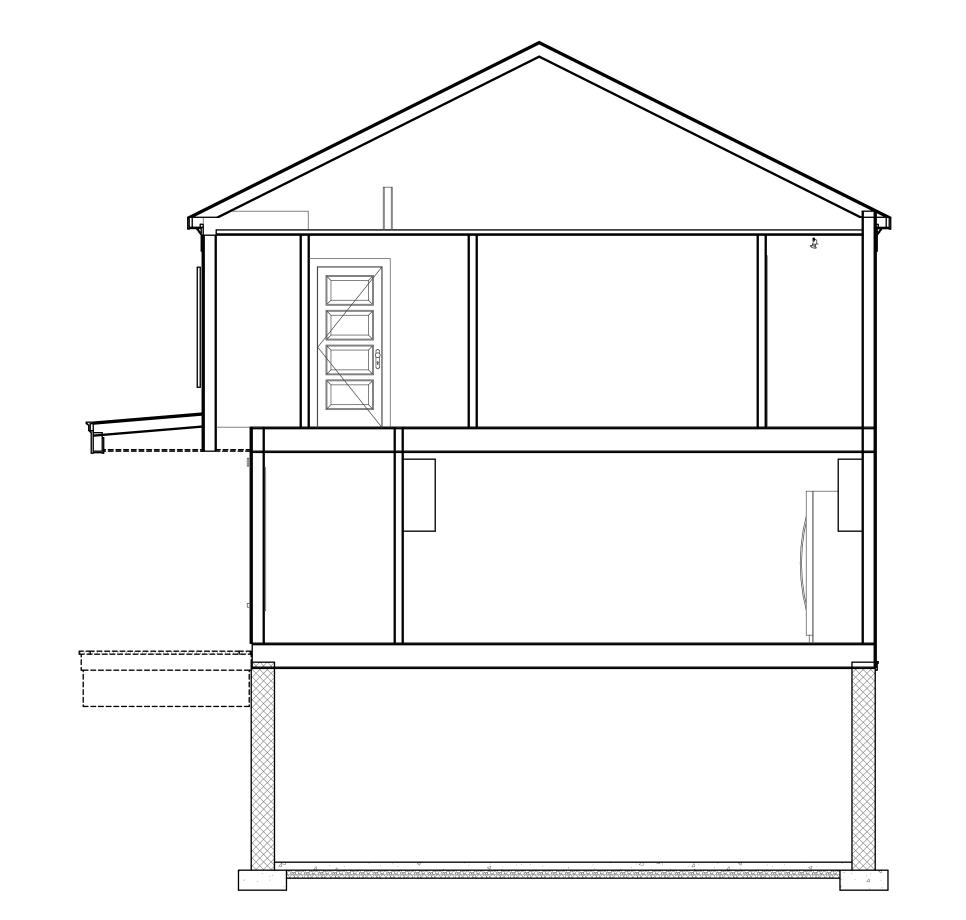
A101





SPRAY FOAM PORTION OF --CANTILEVERED SECOND FLOOR 6'-8" HEADROOM SHOWN IN FILL -13 COURSE BASEMENT -







ROOF PLAN GENERAL NOTES

OVERHANG DIMENSIONS ARE NOTED FROM THE EXTERIOR FACE OF SHEATHING TO THE EXTERIOR FACE OF THE 1X FASCIA BOARD ALL BEARING ELEVATIONS NOTED ARE FROM THE INSIDE FACE OF THE 2X FRAMING U.N.O.

OVERFRAMING AND CRICKETS TO BE CONSTRUCTED OF A MINIMUM 2 X 8

ALL ROOF PENETRATIONS TO BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLTION TO INSURE AESTHETIC EXPECTATIONS ARE MAINTAINED. FLASH AND TERMINATE ALL PROOF PENETRATIONS PER MANUFACTURERS RECOMMENDATIONS U.N.O.

GUTTER PROFILES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO ORDERING.

INDICATES DOWNSPOUT AND GUTTER LOCATION DS 🔾 GUTTER []]



MATERIAL SCHEDULE

ASPHALT SHINGLE ROOF (R-1)
30 YEAR ARCHITECTURAL SHINGLE
O/ MANUFACTURER'S RECOMMENDED UNDERLAYMENT
O/ 17/32" APA RATED EXTERIOR GRADE SHEATHING. ICE GUARD SHOULD BE
INSTALLED AT ALL EAVES AND VALLEYS, UP 72", AND WRAPPED OVER THE

BASIS OF DESIGN: REFER TO EXTERIOR ELEVATION MATERIAL LEGEND

BUILDING SECTION B

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



PROJECT TEAM:

ARCHITECT HARA ARCHITECTS

ISSUE	ID	DATE
AHBR	Α	06/03/2025

PROGRESS

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6/3/2025

ROOF PLAN & BUILDING



PROJECT TEAM:

ARCHITECT
HARA ARCHITECTS
STRUCTURAL
I A LEWIN

BRAHAM RESIDENCE

PROJECT #: 2510

ISSUE ID DA

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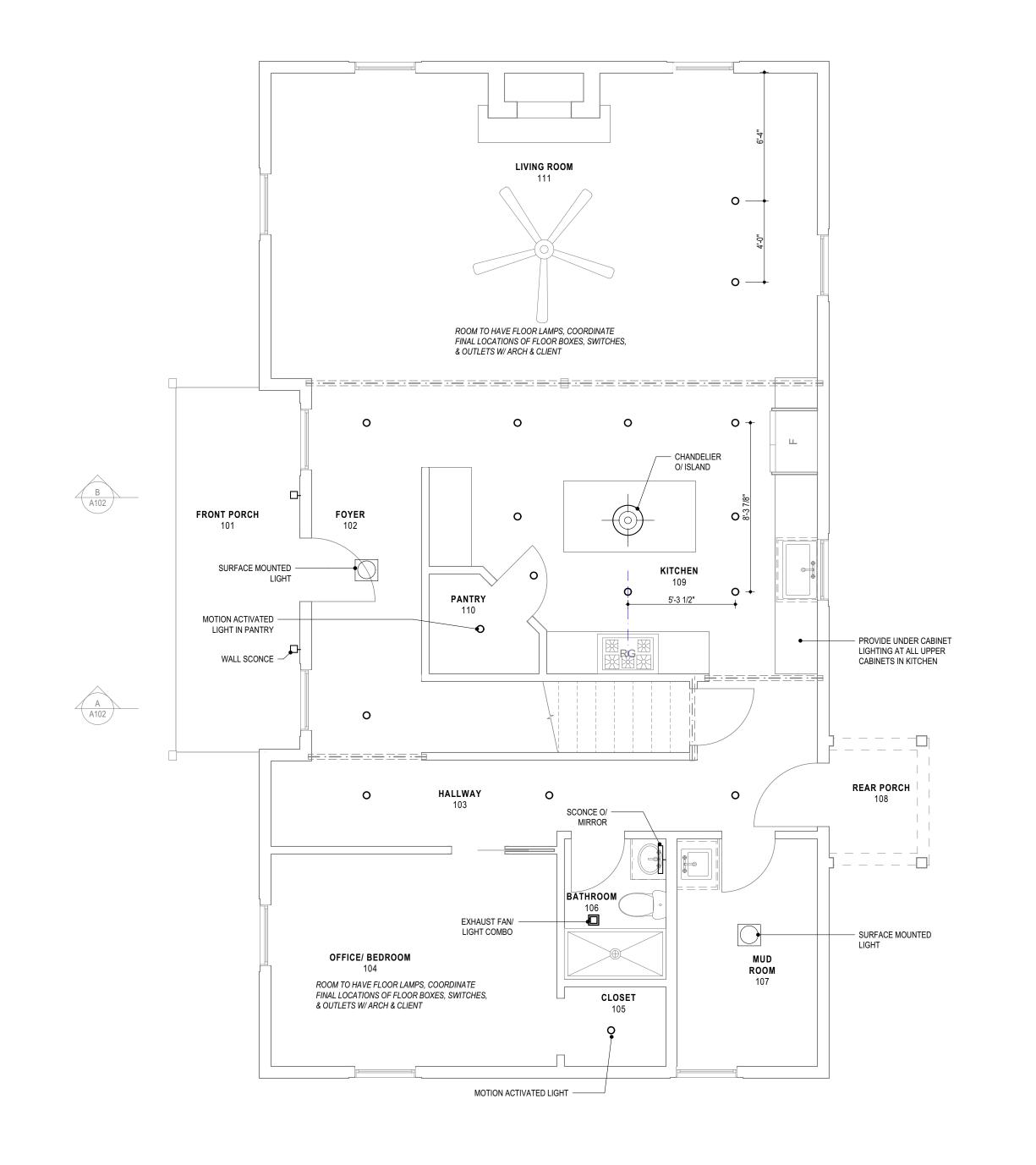
PROGRESS

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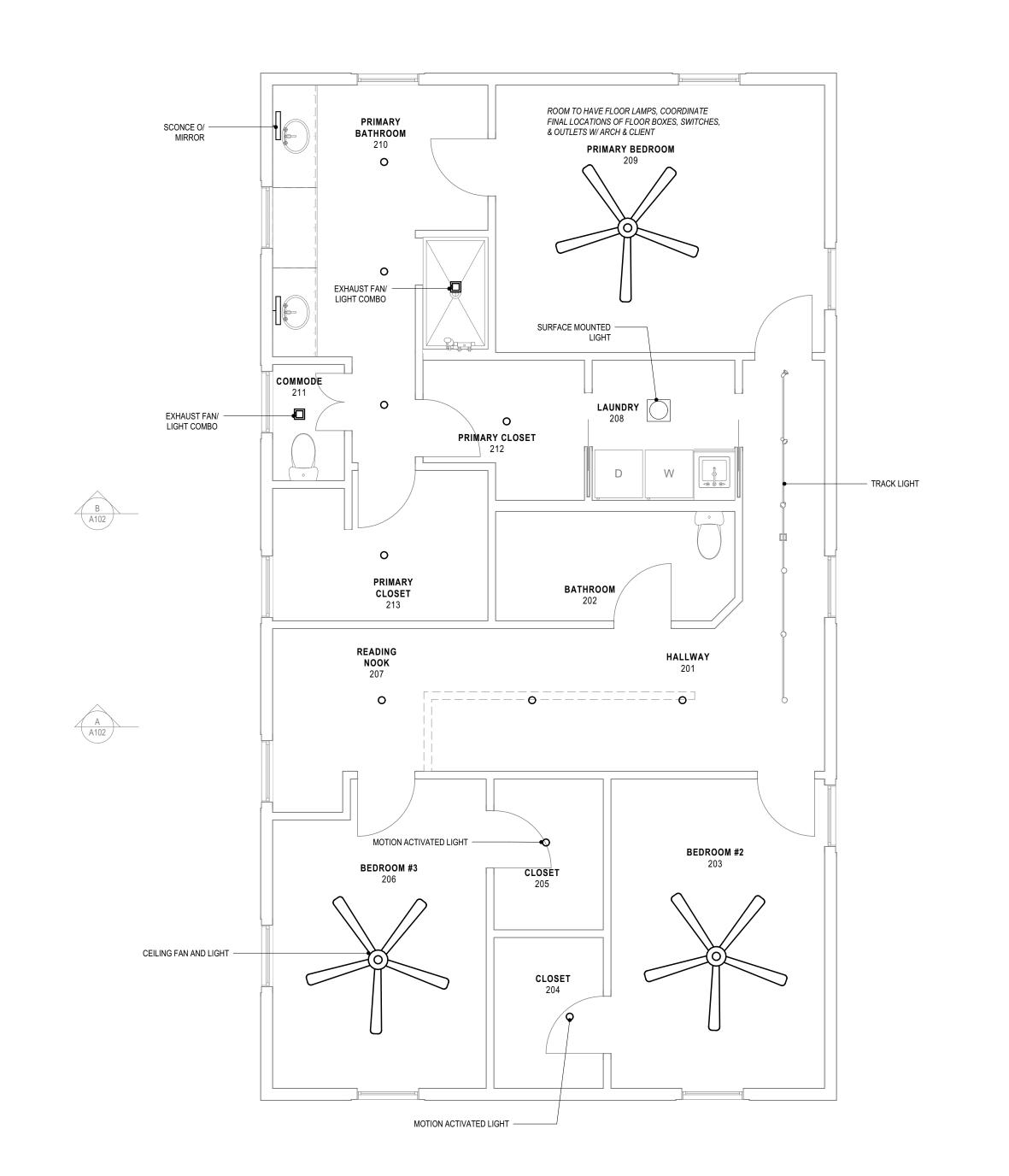
CEILING PLANS

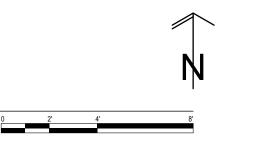




FIRST FLOOR CEILING PLAN

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





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



PROJECT TEAM:

ARCHITECT
HARA ARCHITECTS STRUCTURAL I A LEWIN

MATERIAL SCHEDULE

ALL MATERIAL ASSEMBLIES LISTED BELOW TO OCCUR OVER THE FOLLOWING UNLESS NOTED OTHERWISE:

O/ WEATHER BARRIER O/ APA RATED EXTERIOR GRADE OSB SHEATHING O/ 2X6 STUDS W/ R-19 BATT INSULATION

EXPOSED FOUNDATIONS (MAS-1)
ALL EXPOSED NEW FOUNDATION WALLS TO BE PAINTED CONCRETE
MASONRY UNIT, COLOR BY OWNER.

LAP SIDING (S-1)
HORIZONTAL FIBER CEMENT LAP SIDING (JAMES HARDIE OR APPROVED ALTERNATE), PAINTED WHITE

ASPHALT SHINGLE ROOF (R-1)
30 YEAR ARCHITECTURAL SHINGLE
O/ MANUFACTURER'S RECOMMENDED UNDERLAYMENT
O/ 17/32" APA RATED EXTERIOR GRADE SHEATHING. ICE GUARD SHOULD BE
INSTALLED AT ALL EAVES AND VALLEYS, UP 72", AND WRAPPED OVER THE FACE OF ALL FASCIAS.

GAF TIMBERLINE HDZ ASPHALT SHINGLE ROOF OR CERTAINTEED LANDMARK PRO. COLOR: MOIRE BLACK OR APPROVED ALTERNATE

ALUMINUM CLAD WOOD WINDOW MARVIN SIGNATURE ULTIMATE

TRIM AZEK OR BORAL TRIM, PAINTED

COLOR: WHITE

GUTTERS & DOWNSPOUTS ALUMINUM 5" K STYLE GUTTER & DOWNSPOUT

WINDOW LEGEND

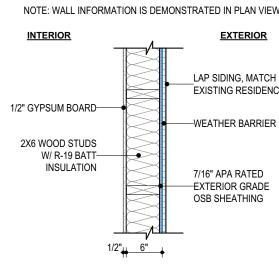
CASEMENT

BASIS OF DESIGN:
WINDOW HEAD GIVEN ABOVE FIRST AND SECOND FLOOR, CONFIRM WINDOW QUANTITIES WITH ELEVATIONS.

** WINDOW COUNT PROVIDED FOR GENERAL REFERENCE AND VERIFICATION

WINDOW SCHEDULE			EDULE
ID	QTY	WxH	REMARKS
W01	9	3'-0"×5'-6"	
W02	12	3'-0"×5'-0"	
W03	1	3'-0"×3'-0"	

NOTE: WALL INFORMATION IS DEMONSTRATED IN PLAN VIEW



EXTERIOR WALL TYPES

PROGRESS

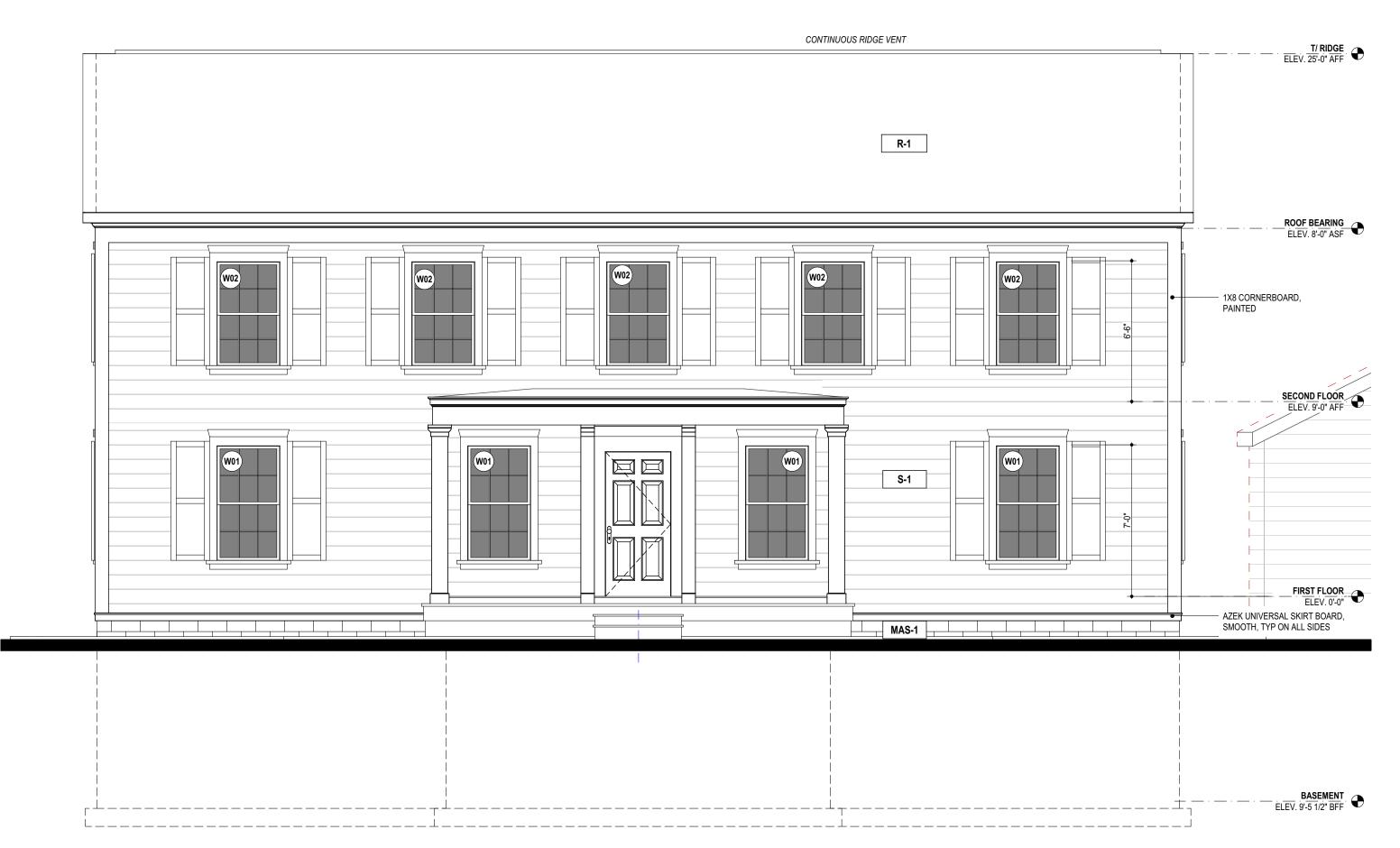
NOT FOR CONSTRUCTION

6/3/2025

EXTERIOR ELEVATIONS

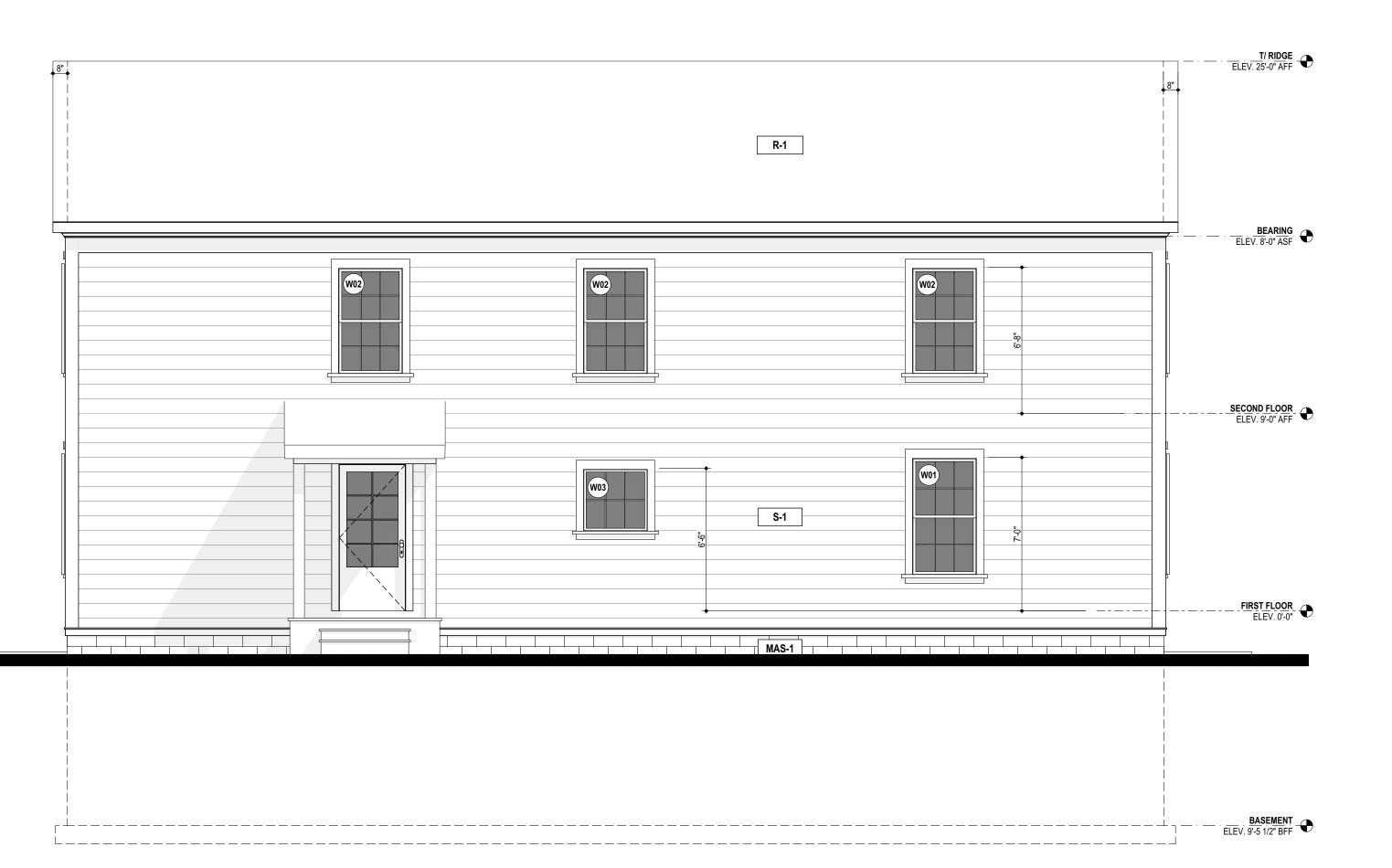
4 NORTH ELEVATION (SIDE OF HOUSE)

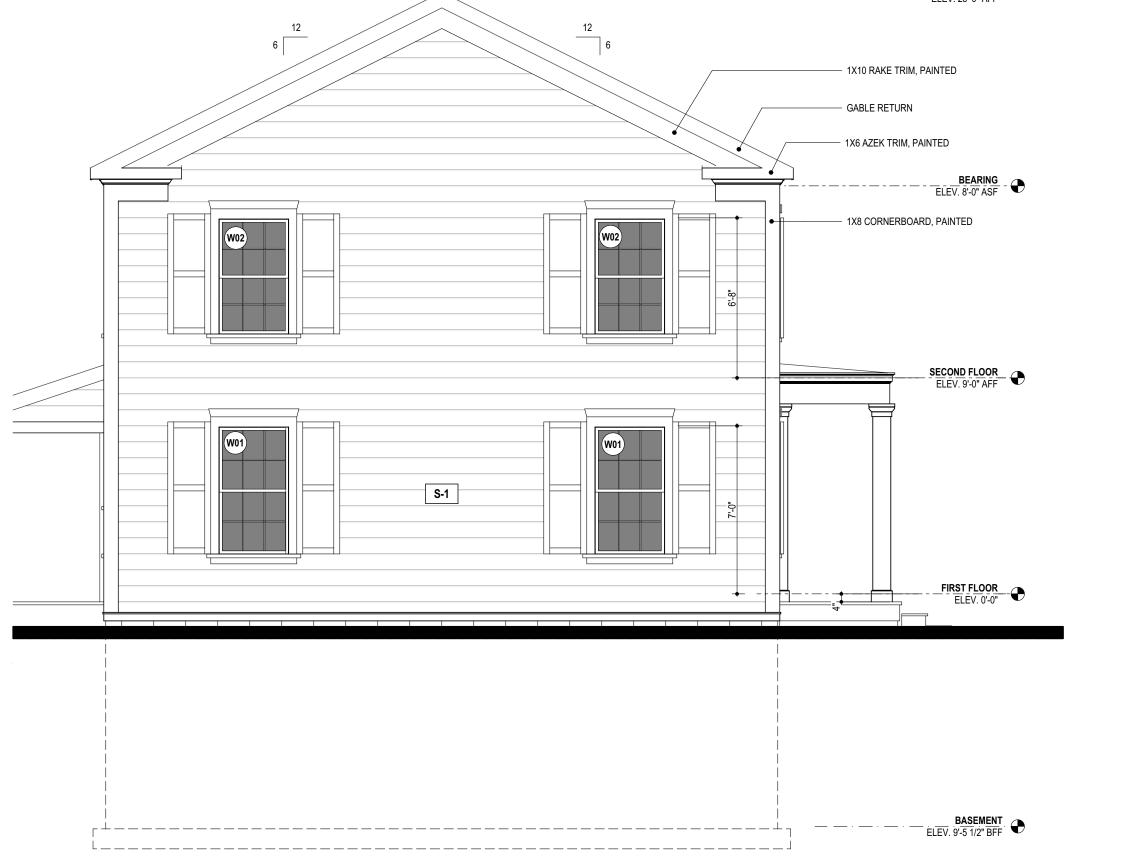
SCALE: 1/4" = 1'-0"



WEST ELEVATION (FRONT OF HOUSE)

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





S-1

L----J

MAS-1

3 EAST ELEVATION (REAR OF HOUSE)

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

SOUTH ELEVATION (SIDE OF HOUSE)

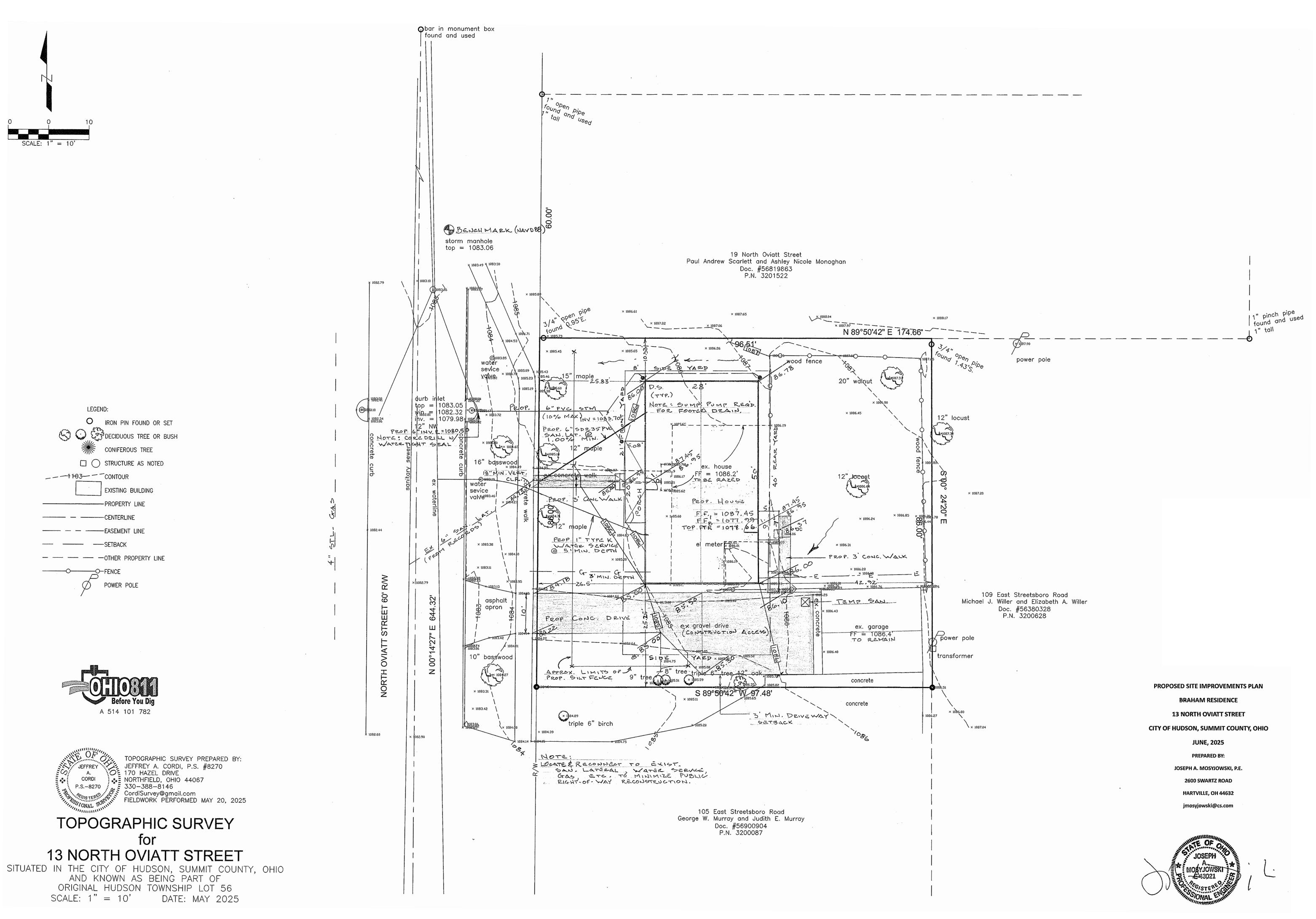
SCALE: 1/4" = 1'-0"

2X6 LADDER FRAMING

1X10 RAKE TRIM, PAINTED -

SECOND FLOOR
ELEV. 9'-0" AFF

GABLE RETURN -





PROJECT TEAM:

ARCHITECT
HARA ARCHITECTS
STRUCTURAL
I A LEWIN

DIDENCE n. Ohio 44236

PROJECT #: 2510

ISSUE ID DATE
AHBR A 06/03/2025

PROGRESS

NOT FOR CONSTRUCTION

6/3/2025

SITE PLAN

C100

Setback Map







THE MARVIN PORTFOLIO

The Marvin portfolio consists of five product lines organized into three distinct collections defined by the degree of design detail and customization opportunities.

Marvin windows and doors offer exceptional performance, energy efficiency, low maintenance, and quality you can see, feel, and touch to help bring your vision to life.



ULTIMATE

Most extensive selection of features. options, and product types



MODERN

Design flexibility in a purely modern aesthetic available exclusively at Marvin Modern dealers



COASTLINE

Custom windows and doors for high velocity hurricane zones in the coastal Southeast



ELEVATE

Wide range of options and product types



ESSENTIAL

MARVIN ESSENTIAL™ COLLECTION

Curated options and product types

MADMIN	CICNIATII	LLECTION

INTERIORS	

6 species options + custom 2 painted or primed options 6 stains + clear coat

EXTRUDED ALUMINUM

EXTRUDED ALUMINUM

5 color options

FIBERGLASS

5 color options

EXTRUDED ALUMINUM

6 solid colors, 4 woodgrain finishes

Bare pine, painted Designer Black, painted White, or clear coat

MARVIN ELEVATE® COLLECTION

FIBERGLASS

3 color options

EXTERIORS

19 colors + custom

WOOD

WOOD

3 species + custom

EXTRUDED ALUMINUM

6 solid colors, 4 woodgrain finishes

Custom sizing for replacement,

remodeling, or new construction

FIBERGLASS

WOOD

5 color options

new construction

FIBERGLASS

5 color options

SIZING

Standard + custom sizing for replacement, remodeling, or new construction

Extensive selection including

Marvin Gallery Hardware

Custom sizing for remodeling or new construction

Minimalist hardware for

modern design aesthetic

Available in multiple styles, sizes, and finishes to complement the window + door aesthetics

Available in 6 finish options

Standard + custom sizing for

replacement, remodeling, or

with 2 door handle styles

replacement, remodeling, or new construction

Standard + custom sizing for

HARDWARE

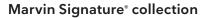
COASTAL +

Hurricane Impact Zones 3 and 4, WATERFRONT + PG 50 Products

All products rated for High Velocity Hurricane Zone (IZ4)

Hurricane Impact Zone 3, + PG 50 Products

Available in 6 finish options with 1 door handle style



REDEFINING THE STANDARD

The Ultimate product line, part of the Marvin Signature collection, unites beautiful design with exceptional craftsmanship. Add character to almost any space with our most extensive selection of shapes, styles, sizes, and options—including wood interiors protected by tough wood or aluminum exteriors. With nearly limitless opportunities for customization, Ultimate can match your vision—and give it room to grow.

About Us

At Marvin, we're driven to imagine and create better ways of living, helping people feel happier and healthier inside their homes. We believe that our work isn't just about designing better windows and doors—it's about opening new possibilities for the people who use them.





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ULTIMATE SPECIALTY SHAPES

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60 ULTIMATE BAY + BOW

WINDOW TERMS + DEFINITIONS

WINDOW OPERATING STYLES



1. FRAME

There are three components to the frame: the header across the top, the jambs down each side, and the sill across the bottom. Marvin frames are built strong with a variety of high-quality wood species.

2. GLAZING

The glass in a window is called glazing. Marvin's broad range of glazing options can meet both high-performance and refined aesthetic requirements.

3. LITE

Each area of glass is called a lite. Marvin offers divided lite patterns for whatever look you wish to create.

4. HARDWARE

Marvin uses only the highest quality locks, handles, lifts, pulls, and hinges in a wide variety of durable finishes.

5. SASH

The sash-operating or stationary-is comprised of horizontal rails, vertical stiles, and glazing. Marvin's large solid sash offer precise fit and ease of operation.



DOUBLE HUNG

Double hung windows have two movable sashes which operate vertically.



CASEMENT

A window that is hinged to its frame at the side and opens like a door.



FIXED OR PICTURE

and radius shapes.

An inoperable window with direct

Available in a wide range of polygon

glaze or in-sash configurations.

IN-SASH PICTURE

- Fixed window designed to match the profiles of operable windows like casement, awning, or double hung
- Available in large sizes up to 8' wide × 8' high



AWNING

An awning is hinged to the frame at the top and opens outward. If hinged on the bottom, it's called a hopper.



GLIDER

A window with a sash that slides horizontally to open and close.



DIRECT GLAZE PICTURE

- Fixed window with no sash-the glass is glazed directly into the frame
- Available in stunningly large sizes with widths or heights up to 12'

MORE FLEXIBILITY TO MEET ANY DESIGN CHALLENGE.

Marvin has an extensive selection of styles, sizes, shapes, and options.

MARVIN SIGNATURE® COLLECTION



12 MARVIN SIGNATURE® COLLECTION

ULTIMATE DOUBLE HUNG G2

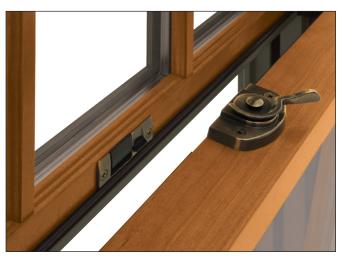




ULTIMATE DOUBLE HUNG G2

The Ultimate Double Hung G2 window is an embodiment of our dedication to the craft of creating windows and doors. Influenced by the rich, historical significance of this window style and inspired by innovative design, each feature is thoughtfully added and every detail is carefully considered. This is all in service of shaping a window that deserves to be in the unique homes our customers desire.





UNIQUE WASH MODE ALLOWS CLEANING OF BOTH SIDES OF GLASS FROM INDOORS

ULTIMATE DOUBLE HUNG G2

Engineered for performance and designed to inspire, each aspect of the Ultimate Double Hung G2 window was made with purpose. Our engineers consider every detail from the most innovative features to the most minute subtleties, all because the windows in your home help illuminate the most important parts of your life.

INTERIOR FEATURES AND PERFORMANCE

RICH WOOD INTERIOR Offers beauty and warmth with six wood species and ten interior finish options.

NARROW CHECKRAIL

Provides a sleek aesthetic at 1 ¹⁵/₁₆ inches to maximize daylight opening while maintaining historical accuracy.

TILT WASH MODE

Allows easy access to exterior glass for cleaning and maintenance.

EXCLUSIVE AUTOLOCK

Activates when the sashes are closed, locking the window.

ENERGY EFFICIENCY

Multiple glass options for meeting ENERGY STAR® standards in energy efficiency for various regions and climates.

SASH BALANCE SYSTEMS

Enables smooth operation at the largest sizes.

EXTERIOR FEATURES AND PERFORMANCE

DURABLE CLADDING

Extruded aluminum exterior cladding with an AAMA verified 2605 finish and backed by a 20-year warranty against chalking and fading.

EXPANSIVE SIZES

Larger than 5 feet wide by 10 feet high.

TRADITIONAL SILL BEVEL

The 14-degree bevel provides optimal water management while maintaining a classic look.



DESIGN VERSATILITY

An array of simulated divided lite patterns, interior and exterior color options, ten hardware finishes, and archtop models.

ALUMINUM INTER-LOCK

Eliminates drafts and improves the window's overall structural integrity.

MARVIN SIGNATURE® COLLECTION

ULTIMATE DOUBLE HUNG ROUND TOP G2





ULTIMATE DOUBLE HUNG ROUND TOP G2

The Ultimate Double Hung Round Top G2 window will add traditional arching and elegant lines to your home or historic preservation project. With the same features and grace of the Ultimate Double Hung G2 window, this window offers design flexibility with numerous variations of radius shapes. Choose from multiple divided lite patterns to further enhance the arch of the window. These versatile windows-available in a wide range of sizes-can provide a subtle accent or a dramatic focal point to enhance your home design.

ROUND TOP VARIATIONS

EYEBROW AND HALF EYEBROW RADIUS OPERATING DOUBLE HUNG

A classic look with a gentle eyebrow radius. Beautiful as a stand alone window or as part of an assembly.

HALF CIRCLE TRANSOM

This simulated half circle transom window can be sized to stand alone or easily fit above a double hung window.

EYEBROW TRANSOM AND PICTURE

This stationary window is available as a transom or picture window. These windows are designed to complement the Ultimate Double Hung G2 window with correlating sizes and matching springline.

HALF CIRCLE RADIUS OPERATING DOUBLE HUNG

A dramatic window with a true half circle arch. The look gives a beautifully smooth transition from jamb to header. Both sashes are operable.

HALF EYEBROW SINGLE HUNG

This striking window style adds elegant curve to a two-wide window assembly (not shown)

*Available on Single Hung only.

ULTIMATE DOUBLE HUNG INSERT G2





ULTIMATE DOUBLE HUNG INSERT G2

The Ultimate Double Hung Insert G2 window adds quality craftsmanship, beauty, and energy efficiency to your home without compromising architectural integrity. Its frame-in-frame design is built precisely to seamlessly fit into your unique window opening, so there's no need to remove the existing frame or disturb the exterior or interior trim of your house.



INTERIOR





SASH LOCK IN SATIN NICKEL

ULTIMATE SINGLE HUNG G2 ULTIMATE SINGLE HUNG G2 WINDOW MARVIN SIGNATURE® COLLECTION



A contemporary classic, the Ultimate Single Hung G2 window blends traditional beauty and state-of-the-art performance. With the top sash stationary and the bottom sash operable, a single hung style is often preferred in a cottage-style window with a small top sash that doesn't need to open. Reliable and energy efficient, the Ultimate Single Hung G2 window offers an auto-lock feature for convenient security, durable hardware for smooth operation, and Marvin's unique Wash Mode for easy cleaning. Customize your design with round top styles or optional Lift Lock, Marvin's exclusive bottom rail locking mechanism for easier operation in hard-to-reach areas.



INTERIOR WITH CONTEMPORARY LIFT LOCK



INTERIOR WITH TRADITIONAL LIFT LOCK





CONTEMPORARY AND TRADITIONAL LIFT LOCKS IN SATIN NICKEL

SINGLE HUNG G2 WINDOW WITH CONTEMPORARY LIFT LOCK IN BRASS

ULTIMATE DOUBLE HUNG MAGNUM WINDOW



traditional windows designed to fit seamlessly into the historic fabric of your home, neighborhood, or community. With residential and commercial applications, these windows are perfect for any historic building.







WOOD DOUBLE HUNG MAGNUM INTERIOR

CASEMENT + AWNING WINDOWS

Ultimate Casements and Awnings are innovative, high-performing windows. Delivering exceptional versatility and clean profiles, these state-of-the-art windows are designed to suit virtually any application. ULTIMATE CASEMENT PUSH OUT WINDOW WITH WOOD INSWING SCREENS

MARVIN SIGNATURE® COLLECTION

ULTIMATE CASEMENT STYLES



FULL FRAME OR NARROW FRAME

The Ultimate Casement and Ultimate Casement Narrow Frame windows are the most versatile and innovative casement windows ever produced. Ultimate Casement styles feature concealed multi-point locks, a patented Wash Mode, and durable hardware that operates smoothly even at the largest sizes.



ULTIMATE CASEMENT

A recessed sash for a traditional look, plus a full jamb, offers design flexibility for new construction or full frame replacement.



A flush sash to the exterior and narrow jamb depth make this window an easy choice for frame-in-frame replacement or more contemporary new construction applications.





ULTIMATE CASEMENT EXTERIOR WITH 4 %6" FULL JAMB

JAMBS + PROFILES

The Ultimate Casement has a recessed sash for a traditional or historic look. The Ultimate Casement Narrow Frame has a flush-to-frame sash for a contemporary look.



ULTIMATE CASEMENT NARROW FRAME EXTERIOR WITH 2 3/16" NARROW JAMB

ULTIMATE CASEMENT EASY WASH MODE

ULTIMATE CASEMENT FEATURES + OPTIONS

Ultimate Casement operates in a way so revolutionary that we've patented it, making Marvin the only place you'll find it. The hardware allows access to both sides of the glass from the inside of your home, making window washing stress- and ladder-free.



Marvin exclusive Wash Mode not available on Ultimate Casement windows in sizes less than 20 inches wide or Ultimate French Casement, Ultimate Awning, or Round Top windows.





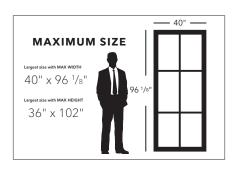
MULTI-POINT LOCKING SYSTEM
Multi-point locking mechanisms
enhance performance and make
large casements easy to operate.



ENDLESS DESIGN OPTIONS
A variety of divided lite patterns, including a double hung look make energy-efficient casements the perfect replacement window in older homes.



LOCK STATUS SENSORHidden Lock Status Sensor option connects with your smart home to indicate when windows are closed and locked.



LARGE SIZES OPEN WITH EASE
We have developed the most durable
hardware in the industry, which provides
easy opening and smooth operation
on even the largest casements.



Limits the casement sash opening to less than 4 inches when engaged. The release mechanism allows for operation beyond 4 inches. This option meets the ASTM F2090-21 standard.



Flip a lever to lock the sash securely in place at multiple set angles, allowing you to open your window on windy days. Available for push out only.

MARVIN SIGNATURE® COLLECTION

ULTIMATE CASEMENT



ULTIMATE CASEMENT WINDOW IN DESIGNER BLACK PAINTED INTERIOR FINISH WITH MATTE BLACK HARDWARE



ULTIMATE CASEMENT

The Ultimate Casement window is offered in some of the largest sizes in the industry, with a secure multipoint lock, durable hardware that ensures smooth operation, and Marvin's exclusive Wash Mode for easy cleaning-even on upper floors. With many design options, including round top shapes, the Ultimate Casement window flexes to fit your vision and can be sized to complement the most expansive views.



ASEMENT PUSH OUT INTERIOR WITH HANDLE IN MATTE BLACK

MARVIN SIGNATURE® COLLECTION

ULTIMATE CASEMENT NARROW FRAME





ULTIMATE CASEMENT NARROW FRAME

The Ultimate Casement Narrow Frame window is a contemporary option with a flush exterior and narrow jamb, ideal for frame-in-frame replacement and allowing quick and easy installation without disturbing the existing frame or interior wall. With its sleek design and square profiles, this window is a great fit for new construction or remodeling projects that call for slim lines and maximum views.



CASEMENT NARROW FRAME INTERIOR WITH FOLDING HANDLE IN SATIN NICKEL



CASEMENT PUSH OUT NARROW FRAME INTERIOR WITH HANDLE IN OIL RUBBED BRONZE

ULTIMATE FRENCH CASEMENT



ULTIMATE FRENCH CASEMENT

The Ultimate French Casement window pairs expert engineering with thoughtful design to offer a beautiful architectural window that won't compromise on performance or energy efficiency. The Ultimate French Casement has no center vertical post and opens like a French door. Simply crank open each independent sash or push out each sash and enjoy an unobstructed view.







FRENCH CASEMENT PUSH OUT INTERIOR

FRENCH CASEMENT PUSH OUT EXTERIOR

ULTIMATE AWNING ULTIMATE AWNING WINDOW IN STAINED MULTI-GRAIN DOUGLAS FIR WITH MATTE BLACK HARDWARE MARVIN SIGNATURE® COLLECTION



ULTIMATE AWNING

A top-hinged alternative or complement to a casement window, the Ultimate Awning window is designed for performance and quality. With industry-leading sizes, the Ultimate Awning can be used on its own as a convenient option for hard to reach areas like over a sink or counter, or as a complement to adjacent windows, allowing fresh air access.







AWNING PUSH OUT WITH PUSH OUT HANDLE IN OIL RUBBED BRONZE

ULTIMATE AWNING NARROW FRAME





ULTIMATE AWNING NARROW FRAME

The Ultimate Awning Narrow Frame window is a sleek and versatile top-hinged window with a flush exterior profile and narrow frame-meaning it can be installed in replacement projects without removing the existing window frame or disrupting interior or exterior trim. The Ultimate Awning Narrow Frame window's contemporary aesthetic looks beautiful on its own or as a complement to narrow frame casement or picture windows. Hardware located at the bottom of the window means easy operation-even in hard to reach areas like over a kitchen sink.



AWNING NARROW FRAME WITH FOLDING HANDLE IN SATIN NICKEL



AWNING PUSH OUT NARROW FRAME WITH BLACK PUSH OUT HANDLE

41

MORE WINDOW STYLES Distinctive spaces demand distinctive windows. Ultimate offers a wide variety of shapes, sizes, and operating styles to exactly match the design requirements of any building project. ULTIMATE DIRECT GLAZE, CASEMENT, POLYGON WINDOWS IN CLEAR COAT MULTI-GRAIN DOUGLAS FIR MARVIN SIGNATURE® COLLECTION

ULTIMATE GLIDER ULTIMATE GLIDER WINDOW IN EBONY WITH MATTE BLACK HARDWARE

ULTIMATE GLIDER

The clean look and contemporary styling of Ultimate Glider windows is complemented by innovative performance features and beautiful design options. Comfortable ergonomics make the windows effortless to operate with an easy, one-handed locking system. Choose from one or two operating sash or dual sash configurations.





ULTIMATE GLIDER BI-PARTING



ULTIMATE GLIDER BI-PARTING

The Ultimate Glider Bi-parting is a stunning variation on the clean, contemporary look of a glider window. Two center panels slide to each side of the window, providing an unobstructed opening. Perfect for the indoor/outdoor lifestyle, the Ultimate Glider Bi-parting window makes a large and easy pass-through from kitchen to outdoor dining or living space.





EXTERIOR





ULTIMATE VENTING PICTURE

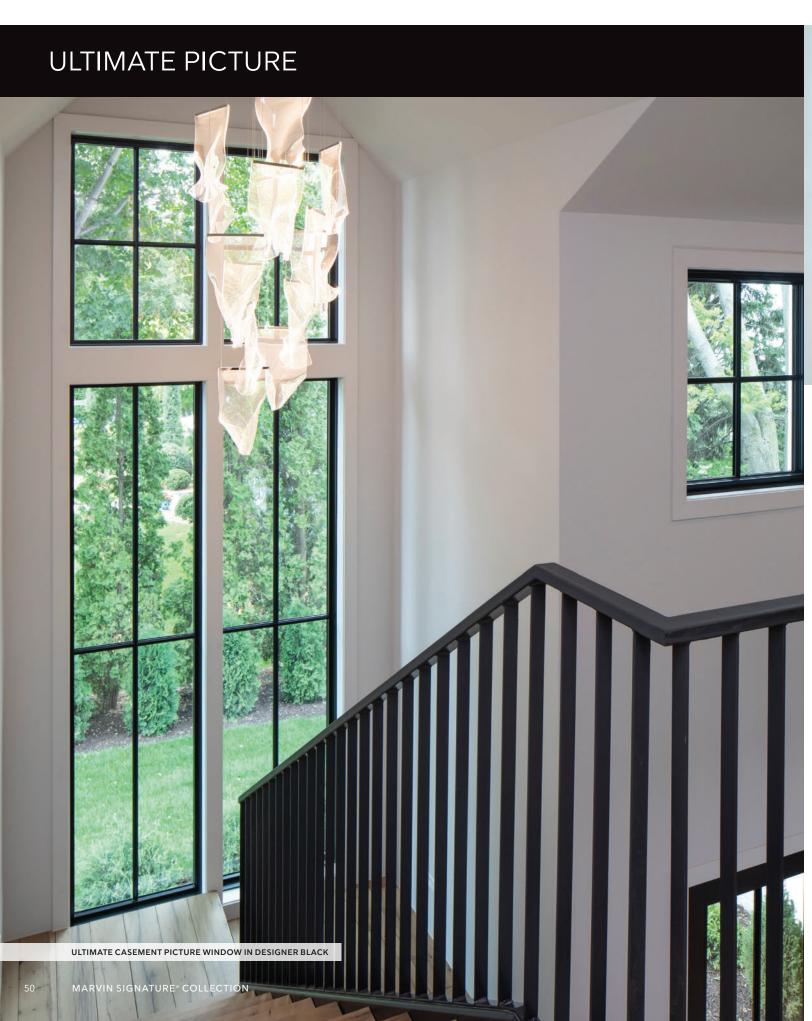
The Ultimate Venting Picture window-exclusive to Marvin-is a beautiful way to bring natural light and fresh air into a room. Designed with a patented hidden screen system, it opens evenly on all sides for passive air exchange, adding comfort and air flow to your home.







VENTILATION SCREEN





ULTIMATE PICTURE

The non-operable Ultimate Picture window is a beautiful way to bring natural light into a room or highlight an unobstructed view. With consistent sizing and profiles, the Picture window makes a perfect complement to the Ultimate double hung, single hung, and casement windows. The non-operable Direct Glaze Picture window provides a clean, contemporary look with a larger daylight opening.



DIRECT GLAZE PICTURE WINDOW INTERIOR VIEW



IN-SASH PICTURE WINDOW INTERIOR VIEW

DIRECT GLAZE

Direct glaze refers to a window with no sash. The glass is glazed directly into the frame and is stationary.

IN-SASH

In-sash Picture windows are non-operable, and they can match the profiles of windows with operable sash.





ULTIMATE PICTURE NARROW FRAME

Homes designed to express a unique vision need windows to match. The contemporary look of the Ultimate Picture Narrow Frame window blurs the line between inside and outside with clean lines, narrow frames, and an almost unlimited selection of shapes and sizes. Ideal for transforming multiple units into stunning window wall configurations, the Ultimate Picture Narrow Frame window is available in sizes up to 86 inches wide and 146 inches high.



DIRECT GLAZE PICTURE NARROW FRAME



IN-SASH PICTURE NARROW FRAME

DIRECT GLAZE

Direct glaze refers to a window with no sash. The glass is glazed directly into the frame and is stationary.

IN-SASH

In-sash Picture windows are non-operable, and they can match the profiles of windows with operable sash.

ULTIMATE CORNER ULTIMATE DIRECT GLAZE PICTURE NARROW FRAME CORNER AND PICTURE WINDOWS IN EBONY MARVIN SIGNATURE® COLLECTION



ULTIMATE CORNER

Make the most of your panoramic views by incorporating corner windows as a design focal point. Corner windows flood a room with natural light, and a stacked assembly can be a bold architectural statement for both the interior and exterior. Clear sightlines from multiple angles enhance the breathtaking view.



EXTERIOR IN LIBERTY BRONZE*

CORNER DETAILS

The clad cap on the exterior and wood cap on the interior create a clean aesthetic and minimal visual disruption.







EXTERIOR CLOSE UP SHOWN IN LIBERTY BRONZE

^{*} Pictured above: Direct Glaze Picture Corner Window In-Sash Picture Corner Window also available

ULTIMATE CORNER NARROW FRAME CORNER NARROW FRAME WINDOW IN LIBERTY BROWN



ULTIMATE CORNER NARROW FRAME

The Ultimate Corner Narrow Frame window makes a strong architectural statement in expansive sizes, combining narrow profiles and clean lines with industry-leading performance. Pair this corner window with other Marvin narrow frame windows for consistent sightlines that maximize glass and views.



EXTERIOR VIEW IN LIBERTY BRONZE

CORNER DETAILS

The clad cap sits flush on the exterior, creating a clean-lined contemporary aesthetic. On the interior, the corner cap is stepped with a square profile.







EXTERIOR CLOSE UP

INTERIOR VIEW WITH DESIGNER BLACK PAINTED INTERIOR FINISH

^{*} Pictured above: Direct Glaze Picture Narrow Frame Corner Window In-Sash Picture Narrow Frame Corner window not available

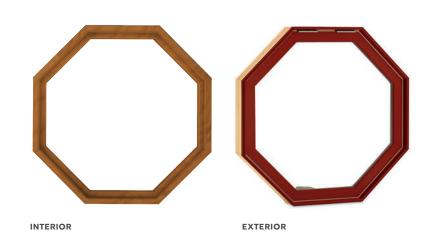
ULTIMATE SPECIALTY SHAPES





ULTIMATE SPECIALTY SHAPES

The Ultimate Specialty Shape windows are available in hundreds of geometric shapes customized to add special flair to a window design. Many are available as operating windows, providing access to fresh air in addition to unique aesthetics.





ULTIMATE BAY + BOW





ULTIMATE BAY

Ultimate Bay windows are a group of connected windows extending outward from a room at desired angles–allowing light and views from multiple directions. Some feature a larger operating or stationary window flanked by smaller windows. Ultimate Bay windows can create space indoors for a cozy nook or window seat or maximize a scenic view to serve as a room's focal point. They can be created with combinations of 3 to 6 casement or double hung windows (fixed or operating).



BAY INTERIOR WITH CASEMENT

ULTIMATE BOW

Ultimate Bow windows are a series of windows connected to form a gentle outward curve. Typically made up of four or more windows, Ultimate Bow windows can create a small nook, open up a view, bring in more light, and boost visual appeal from inside and out. Bow windows are available with casement, double hung, or picture windows. They can be created with combinations of 3 to 6 casement or double hung windows (fixed or operating).



ULTIMATE CASEMENT BOW WINDOW IN BRONZE



DOOR TERMS + DEFINITIONS

DOOR OPERATING STYLES



1. FRAME

The door frame includes the head jamb across the top, side jambs, and the sill at the bottom. Marvin frames are built strong to stand up to heavy door usage year after year.

2. STILES + RAILS

The horizontal wood members of a door are called rails; the vertical components are called stiles. With a traditional French door design, the bottom rail is about 8 inches high with 4 ¾ inch stiles and top rail. Doors with a more contemporary style often feature more glass with stiles and rails as sleek as 3 inches.

3. SILL

Our door sills are made of Ultrex®, our proprietary pultruded fiberglass that is exceptionally strong and virtually impervious to time, weather, and pressure. Ultrex door sills provide excellent performance in hot or cold climates, plus durability over the long haul by being resistant to warping, denting, and fading.

4. PANELS

In a door, the panel is the main section, operating or stationary, that is installed into the frame. Marvin doors come in many sizes, some of the industry's largest, but they all share the tight tolerances for fit and quality finishes.



OUTSWING DOOR

Single or double swinging doors open to the exterior.



INSWING DOOR

Single or double swinging doors open to the interior.



SLIDING DOOR

Save space with a door panel that operates by sliding along a track.



BI-FOLD DOOR

This door folds open and closed like an accordion and can include up to 16 panels.



LIFT AND SLIDE DOOR

For openings as large as 48 feet wide and 12 feet high, substantial door panels fully open into pocket or stacked configurations.



MULTI-SLIDE DOOR

Another option to blend interior and outdoor living with a modular frame system.

MAKE EVERY ENTRANCE GRAND

Marvin doors are designed to maximize the potential of any opening, view, and living space.

DOOR FEATURES + OPTIONS



BEAUTY WITH PERFORMANCE

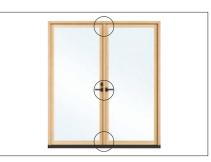
Designed for durability and to minimize air and water infiltration.

Many of our door products are certified to a light commercial rating of PG40.



SOLID WOOD PANELS + FRAMES

The sound of a Marvin door closing is a quiet statement of quality. Wood in the panels and frames make for an elegant, crafted look and feel, and provides a weather-tight closure for outstanding energy efficiency.



MULTI-POINT LOCKING SYSTEM

Concealed stainless steel head and foot bolts within the door secure it solidly at three points. Choose either a keyed or non-keyed lever handle. Multi-point lock comes standard.

RAISED AND FLAT PANELS

Raised and flat panels add depth and

style to sliding and swinging French

doors, including arch top swinging



Standard on swinging doors, an adjustable hinge makes it easy to fine-tune the fit of a swinging door over the door's lifetime. Available in a variety of finishes, plus coastal options.



SILLS

Our Performance and Accessibility Sills are made of durable Ultrex fiberglass and provide solutions for varying applications.



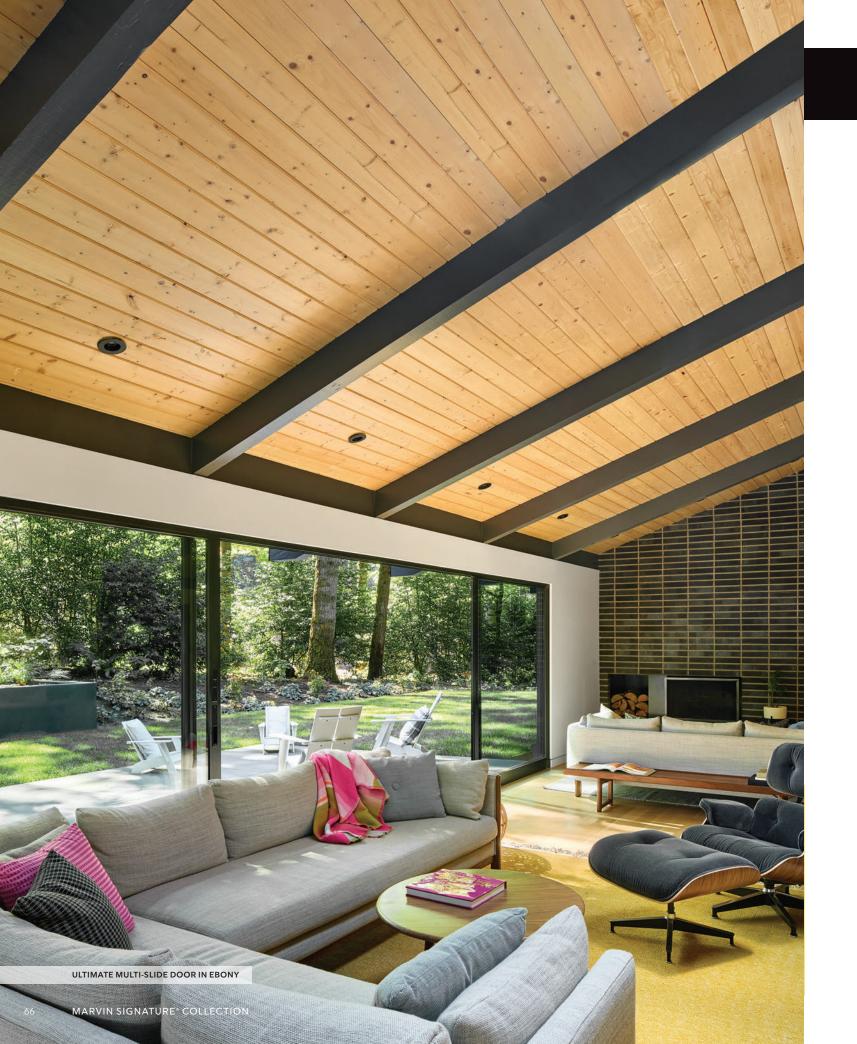


ACCESSIBILITY SILL



PERFORMANCE SILL





ULTIMATE SWINGING NARROW PROFILE DOOR





ULTIMATE SWINGING NARROW PROFILE DOOR

The Ultimate Swinging Narrow Profile door, available in both inswing and outswing, is expertly crafted to provide industry-leading performance with narrow sightlines and robust 2 ¼ inch standard panel thickness. Featuring contemporary 3 inch stiles and rails along with square interior and exterior glazing profiles. Choose from one or two operating panels in configurations up to 4 panels. Sizes up to 10 feet high and 14 feet wide.







MINIMALIST HANDLE IN MATTE BLACK

ULTIMATE SWINGING FRENCH DOOR G2 ULTIMATE INSWING FRENCH DOOR G2 WITH OIL RUBBED BRONZE HARDWARE MARVIN SIGNATURE® COLLECTION



ULTIMATE SWINGING FRENCH DOOR G2

The Ultimate Swinging French door G2, available in both inswing and outswing, delivers a traditional aesthetic with a 4 3/4 inch stile and top rail and a 4 3/4 inch or 8 1/8 inch bottom rail. Select sizes up to 10 feet high and 14 feet wide to maximize views and access to the outdoors. Choose up to 4 panels with an Ogee interior glazing profile.







INSWING EXTERIOR







For the classic elegance of the French door with smooth, space-saving operation, our Ultimate Sliding French door G2 is built to your specifications. With a rich, luxurious fit, feel, and finish, available in configurations up to 16 feet wide and standard heights up to 10 feet, this door G2 offers a view with a grand entrance while conserving space for traffic flow or furniture layout. Available transom and stationary panels further enhance the view, flooding the room with daylight.





ULTIMATE SLIDING FRENCH DOOR G2 IN STAINED MULTI-GRAIN DOUGLAS FIR WITH MATTE BLACK HARDWARE

HARP HANDLE IN MATTE BLACK





ULTIMATE SLIDING NARROW PROFILE DOOR

The Ultimate Sliding Narrow Profile doors are created for smooth operation, performance, and amazing durability. Our tough Performance Sill withstands traffic and seasonal changes, contributing to both the door's energy efficiency and incredibly smooth operation. The contemporary 3 inch stiles and rails maximize your view, while the multi-point lock system ensures a tight seal and security from top to bottom.





INTERIOR AND EXTERIOR VIEWS OF VERTICAL PULL IN MATTE BLACK. AVAILABLE ON ULTIMATE SWINGING AND SLIDING DOORS.





ULTIMATE MULTI-SLIDE DOOR

The Ultimate Multi-Slide door is an ideal option to blend indoor and outdoor living, and the performance ratings of these doors match the exceptional views they frame. They're available in styles up to 6 panels uni-directional or 10 panels bi-parting. Both pocket and stacked designs are available with an optional scenic door sliding screen.



EXTERIOR



HARDWARE AND SILL

Pull and latch hardware provides easy operation and squared-off corners for a clean, contemporary look.



DESIGN FLEXIBILITY

Available in pocket or stacked configurations for openings up to 56 feet wide and 12 feet high. Pocketing configuration shown above.

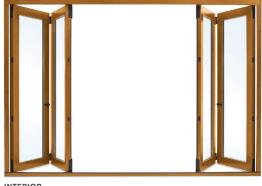






ULTIMATE BI-FOLD DOOR

The Ultimate Bi-Fold door provides big glass and clean design aesthetics to give homeowners more flexibility and a deep indoor-outdoor connection. Spanning 55 feet in width, the Ultimate Bi-Fold door is one of the widest panel doors in the industry. Without question, the Bi-Fold door is a simple, elegant solution for adjoining interior spaces or connecting to the outdoors. Available with a wood or clad exterior.



INTERIO



INTERIOR PANEL HANDLE

The interior panel handle features a minimalist design that smoothly operates folding panels with a 90-degree twist and latches at the head and sill.



ULTIMATE LIFT AND SLIDE DOOR





ULTIMATE LIFT AND SLIDE DOOR

With openings up to 48 feet wide and 12 feet high, now you can add acres to your floor plan. Available with pocketing panels that slide into the wall, completely disappearing from view, or stacked panels that slide and stack perfectly within the door frame for a seamless transition from inside to out. Both are available with exclusive flush-mount handles and exterior finger pulls that virtually disappear when not in use.



INTERIOR



HARDWARE OPTIONS

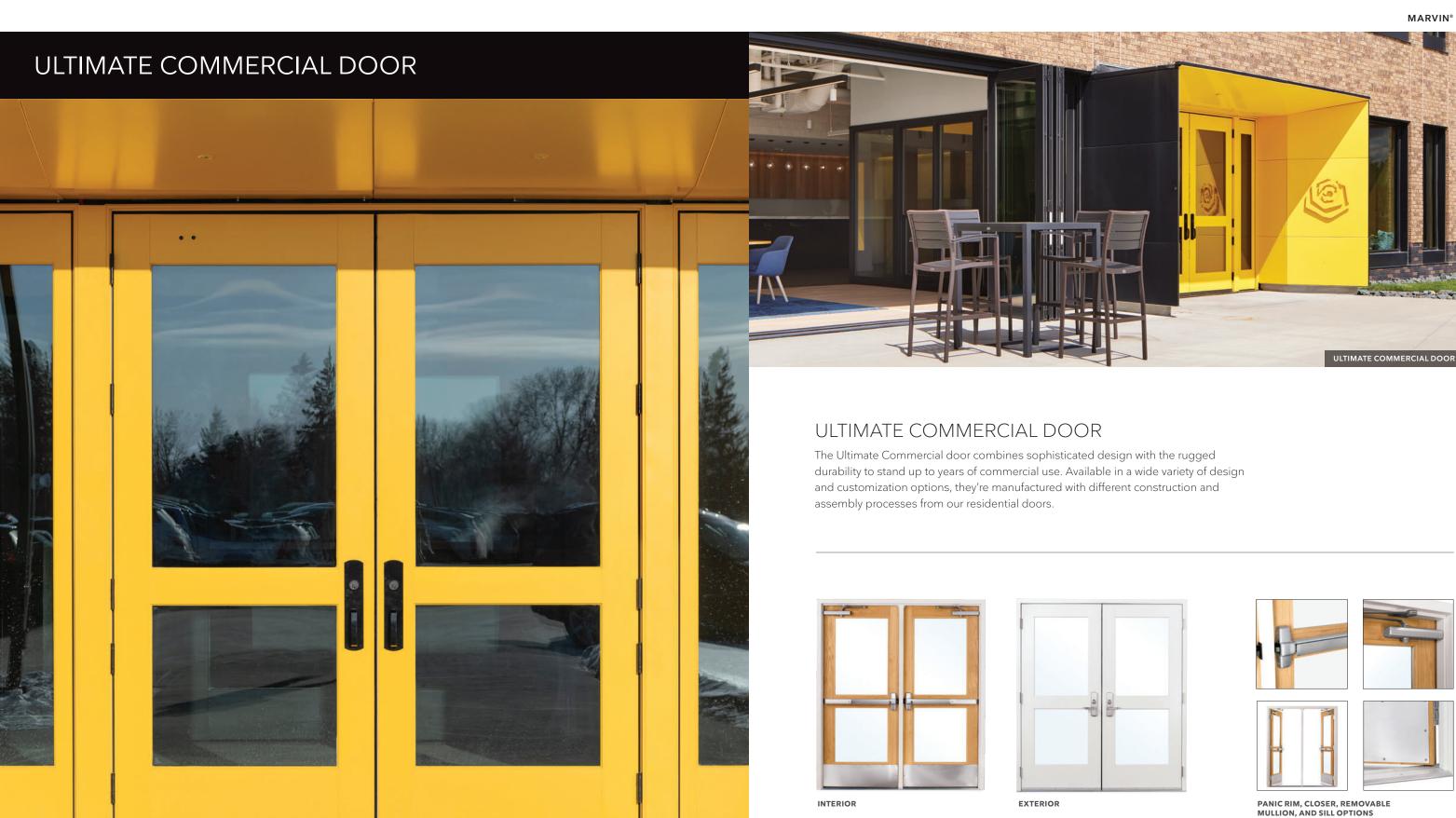
Available with exclusive flush-mount hardware, interior finger pull, and optional exterior finger pull.





POCKET AND STACKED CONFIGURATION

When open, panels either slide into the wall cavity or stack neatly into the door frame. They glide on the inconspicuous 3/16 inch high exposed track.



ULTIMATE COMMERCIAL DOOR



INTERIOR FINISH OPTIONS VERTICAL GRAIN **DOUGLAS FIR** MIXED GRAIN **DOUGLAS FIR** CHERRY WHITE OAK HONDURAN MAHOGANY MARVIN SIGNATURE® COLLECTION

WOOD SPECIES

Offering a rich, warm look, many custom options, and design versatility, wood is a premium choice. Wood can be used on both the interior and exterior of our Ultimate windows and doors and provides great insulation. Treatments such as stain and paint work well when applied. Marvin sources the best, highest quality raw wood and uses refined techniques to process it.

STAIN + PAINT

Compared to painting or staining on the job site, our factory finishes provide consistent quality and performance. Our extensive knowledge about wood as a material and how it handles stains and paints, and the many years we've spent perfecting our finishing process, ensures your windows and doors arrive ready to install.





Stain colors shown on Pine. To see more about finishes visit Marvin.com.

DESIGNER BLACK		
WHITE		
PRIMED WHITE		

EXTERIOR FINISH OPTIONS

STONE WHITE

COCONUT CREAM

SIERRA WHITE

CASHMERE

PEBBLE GRAY

HAMPTON SAGE

CADET GRAY

CLAY

CASCADE BLUE

SUEDE

GUNMETAL

WINEBERRY

BRONZE

BAHAMA BROWN

EVERGREEN

EBONY

BRIGHT SILVER (PEARLESCENT)

COPPER (PEARLESCENT)

LIBERTY BRONZE (PEARLESCENT)

CUSTOM COLOR: ANY COLOR YOU WANT

EXTRUDED ALUMINUM

Extruded aluminum is an extremely tough cladding that protects wood windows, mimics the profiles of wood, and provides superior durability. It is the most commonly ordered exterior material for our Ultimate products.

Select from our palette of 19 durable extruded aluminum colors, including a spectrum of rich hues and three pearlescent finishes. If you have more specialized needs, we can also work with you to create a custom color.



Wood is a premium material for windows and doors, offering classic aesthetic appeal, many options for customization, and design versatility.

We treat exposed millwork with a water repellent wood preservative to help it last longer. Choose from one of the four options below. Each is ready to be finished to match your project's exacting requirements.





Double Hung G2 window in Ebony



Double Hung G2 window in Suede

EXTERIOR CASINGS + SUBSILLS BRICK MOULD CASING AND SPECIAL SUBSILL WITH CUSTOM MULL COVER IN HAMPTON SAGE MARVIN SIGNATURE® COLLECTION

EXTERIOR CASINGS + SUBSILLS

Adding Marvin extruded aluminum or wood casings and subsills to your windows and doors provides great architectural detail to any home. Ultra-durable extruded aluminum casings feature a beautiful factory-applied finish that resists chalking, fading, pitting, corrosion, and marring. Casing profiles are consistent around the sides and top of a window or door, except for the Potter casing profile, which has a taller head. Custom casings and subsills are also available.



BRICK MOULD CASING WITH A246 SUBSILL



FLAT CASING WITH A246 SUBSILL



COLUMBUS CASING WITH A1450 SUBSILL



RIDGELAND CASING WITH A1453 SUBSILL



GRAYSON CASING WITH A1451 SUBSILL



THORTON CASING WITH A1450 SUBSILL



STRATTON CASING WITH A1453 SUBSILL



POTTER CASING WITH A217 SUBSILL





Potter Casing with A1451 Subsill in Cascade Blue

DIVIDED LITES



DIVIDED LITES

Simulated divided lites, available in a number of different styles, mimic the look of individual panes of glass with the energy efficiency of dual pane insulated glass.

Our custom capabilities allow us to create almost any divided lite pattern to match your design style.



SIMULATED DIVIDED LITE (SDL)

SDL bars are permanently adhered to both sides of the glass. Simulated Divided Lites with Spacer Bars (SDLs) are an energy-efficient way to create the look of authentic divided lites.



AUTHENTIC DIVIDED LITE (ADL)

Separate panes of glass are glazed between muntin bars for historical accuracy. Available exclusively with wood exterior units.



GRILLES-BETWEEN-THE-GLASS (GBG)

Grilles are permanently installed between the glass panes. This lowmaintenance grille offers the look of a divided lite pattern with the ease of cleaning just one pane of glass. Available with different interior and exterior colors.

OGEE DIVIDED LITE WIDTHS



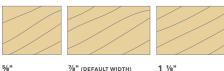








SQUARE DIVIDED LITE WIDTHS

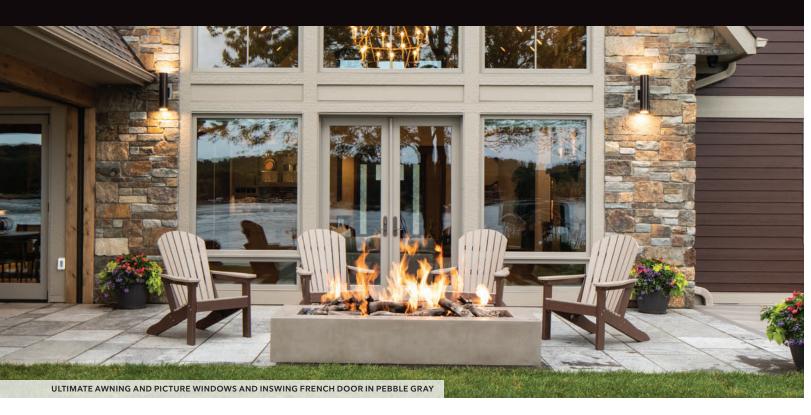






2 13/32" (INTERIOR ONLY)

GLASS + GLAZING



GLAZING PROFILES

Interior and exterior glazing profiles are available in Ogee and Square. Choose Ogee for more traditional projects, and Square for a clean, contemporary look. Interior and exterior glazing profile options vary by product type.



GEE



SQUARE



SQUARE EXTERIOR GLAZING PROFILE

DUAL PANE GLAZING

Our standard glazing is dual pane: two panes of glass with Low E coatings and insulated with argon gas. Compared to a single glass pane, dual pane glass cuts energy costs significantly because of low emissivity coating and the gas-filled insulating space between the glass layers.



TRIPLE PANE GLAZING

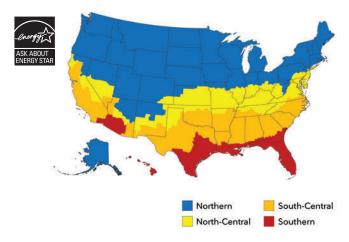
Triple pane glazing consists of three panes of glass with Low E coatings applied to the surface. Two glass spaces are insulated with argon gas between the panes. Available in products where glazing thickness can be greater than ¾ inch.

GLASS + GLAZING

The thermal and structural properties of wood combined with the right glazing make Marvin wood and extruded aluminum clad products an optimal choice for energy efficiency. We offer thousands of window and door options with two or three panes of glass and a range of glazing options to meet the performance challenges of any climate.

GLASS COATINGS

Low E coatings are microscopically thin, essentially invisible coatings on the glass surface that help manage the amount of light and heat conducted through a window pane or reflected away from it, reducing a home's dependence on heat and air conditioning. The national ENERGY STAR® program recognizes products that meet strict energy-efficiency guidelines to suit climates in different areas of the country, and Marvin offers products to meet climate and code requirements in every region.



LOW E1

Low E1 coating is a good choice when you want maximum solar heat gain and radiant heating properties. This type of coating is generally used in Northern climates where heating is prioritized over cooling. You'll reap maximum benefits when windows with this type of coating are positioned to receive direct sun exposure.

LOW E2

The most common Low E coating since it works well across most geographic regions and climates. Low E2 with two metallic coatings balances less solar heat gain and improved radiant heating properties.

LOW E3

Used in applications where solar heat gain may be a concern, low E3 coating uses multiple metallic layers for radiant properties similar to Low E2. This type of coating is most commonly used in Southern, sunny climates where cooling is prioritized over heating.

SPECIALTY GLASS

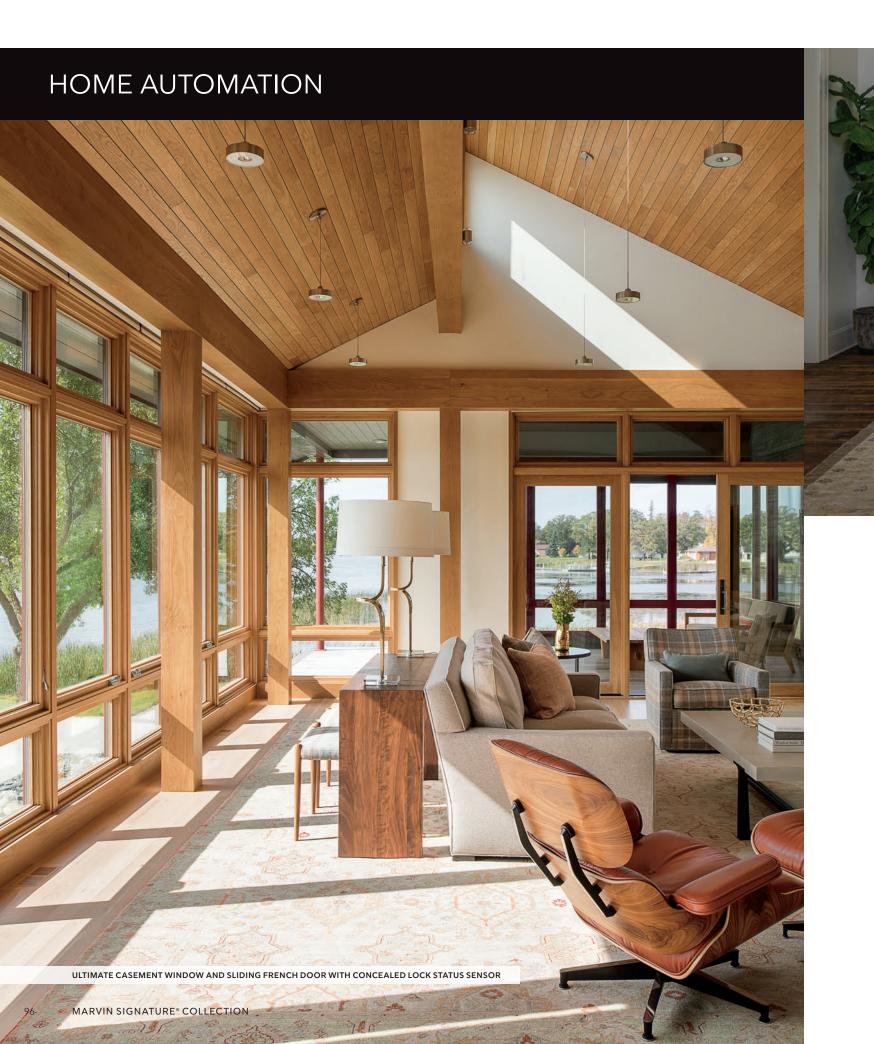
Our specialty options include glass for unique project needs like sound abatement (STC/OITC), high altitudes, Sea Turtle Conservation Codes, and California fire zones. We also offer laminated glass on certain products that are designed specifically for hurricane zones.

A variety of decorative glass options, including those shown below and others, are available to meet the unique needs of each project.

Laminated glass is also available in clear, bronze, gray, or green with tinted interlayers.



ULTIMATE MULTI-SLIDE DOOR



LOCK STATUS SENSOR

Our Lock Status Sensor brings smart home capabilities to Marvin windows and doors. This affordable solution is installed in the factory and fully concealed-meaning no unsightly sensors attached on the exterior or interior and no additional modification of your product once installed. The sensor can be wired or wirelessly connected, working in tandem with your smart home security system to indicate if windows and doors are closed and locked and providing peace of mind when security is a concern.



SCREENS ULTIMATE DOUBLE HUNG INSERT G2 WINDOW IN STONE WHITE WITH FULL SCREENS

SCREENS

Choose from an aluminum surround in three finishes or a wood interior surround that complements warm wood interiors. Marvin screens come standard with Marvin Bright View™ - a fiberglass screen mesh that provides improved airflow and more natural light while keeping insects out. Bright View repels water and resists dirt and grime for a sharp, vivid view.

CASEMENT SCREEN OPTIONS



WOOD SCREEN SURROUND

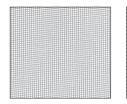
The patented wood screen surround with wood interior and aluminum exterior features Marvin Bright View™ screen mesh. Aluminum screen mesh options also available.



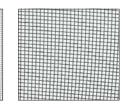
INSWING CASEMENT SCREEN

The beautifully crafted inswing screen adds a classic touch and allows access to operate push-out casement and awning windows.

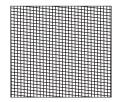
SCREEN MESH OPTIONS



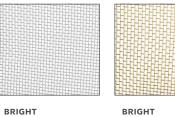
MARVIN BRIGHT VIEW™



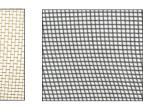
CHARCOAL ALUMINUM WIRE



BLACK ALUMINUM WIRE **ALUMINUM WIRE**



BRIGHT BRONZE WIRE



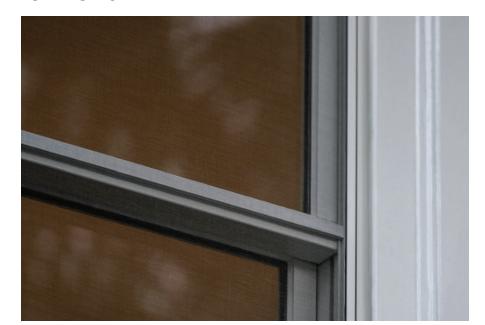
CHARCOAL FIBERGLASS

DOUBLE HUNG SCREEN OPTIONS



FULL OR HALF SCREEN

Exterior aluminum screen with an aluminum surround. The full screen covers both the top and bottom sash. The half screen only covers the bottom sash.



DOUBLE HUNG STORM OPTIONS



TWO-LITE WOOD STORM SASH OR SCREEN

A wood frame containing nonremovable glass. The storm sash can be removed during the summer and replaced with a wood-framed screen. Available only for wood windows.



STORM AND SCREEN COMBINATIONS

A combination unit is composed of two glass panels and one screen panel that can be easily removed from the interior for cleaning. Available with a wood (bare or primed) or aluminum surround, panels can be configured multiple ways, glass above screen, screen above glass, or glass above glass.



ENERGY PANEL

Often confused with storm windows, an energy panel is technically a glazing option. It is a removable, exterior glass panel finished on the edges by a surround. Energy panels cover the exposed glass surface of each sash and offer added energy efficiency for wood windows with single glazing.

DOOR SCREEN OPTIONS



SCENIC DOOR SLIDING SCREEN

The Marvin Ultimate Sliding Screen operates with ease and conceals when not in use. The screen is unobtrusive even in large sizes measuring up to 15 feet wide and up to 10 feet high uni-directional or up to 29.5 feet wide bi-parting.



ULTIMATE SWINGING SCREEN DOOR

With profiles that complement the aesthetics of the door, swinging door screens feature robust, durable extruded aluminum surrounds and concealed hinges.



ULTIMATE SLIDING SCREEN DOOR

Aluminum top hung sliding screen with roller bar, adjustable rollers and unmatched sliding operation.

Marvin window and door screens come standard with Marvin Bright ViewTM - a fiberglass screen mesh that provides improved airflow and more natural light while keeping insects out. Bright View repels water and resists dirt and grime for a sharp, vivid view.

WINDOW OPENING CONTROL DEVICES

Marvin Window Opening Control Devices (WOCD) meet the ASTM F2090-21 standard, created to assist in the prevention of window falls. To meet the standard, our devices limit the window's net clear opening to less than 4 inches (when the sash is open) and have a release function allowing the window to open completely. In order to meet the safety standard, WOCD disengagement takes two independent actions, which helps prevent accidental release. Devices will then automatically reengage once the window is closed and again limit the window opening to less than 4 inches upon re-opening.



ULTIMATE CASEMENT



ULTIMATE DOUBLE HUNG G2



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ULTIMATE GLIDER

WINDOW HARDWARE



WINDOW HARDWARE

Ultimate's durable and elegant hardware is engineered for reliability and to harmonize with any décor. Choose a finish to complement your architectural style. Durable painted finishes in Matte Black, Satin Taupe, Bronze, and White mimic the look of metal. Satin Nickel, Brass, Antique Brass, Polished Chrome, Oil Rubbed Bronze, and Satin Chrome offer the rich appearance and durability of authentic metal finishes.



AUTO-LOCKING HARDWARE SYSTEM

PRODUCTS:

Ultimate Double Hung G2 Ultimate Single Hung G2

AVAILABLE FINISHES:

Matte Black • Brass • Satin Taupe Satin Nickel • Bronze • White Antique Brass • Oil Rubbed Bronze Polished Chrome • Satin Chrome



TRADITIONAL LIFT LOCK

PRODUCTS: Ultimate Single Hung G2

AVAILABLE FINISHES:

Matte Black • Brass • Satin Taupe Satin Nickel • Bronze • White Antique Brass • Oil Rubbed Bronze Polished Chrome • Satin Chrome



CONTEMPORARY LIFT LOCK

PRODUCTS:

Ultimate Single Hung G2

AVAILABLE FINISHES: Matte Black • Brass • Satin Taupe Satin Nickel • Bronze • White Antique Brass • Oil Rubbed Bronze Polished Chrome • Satin Chrome



FOLDING HANDLE

Ultimate Casement • Ultimate Awning Ultimate Casement Narrow Frame Ultimate Awning Narrow Frame

AVAILABLE FINISHES:

Matte Black • Brass • Satin Taupe Satin Nickel • Bronze • White Antique Brass • Oil Rubbed Bronze Polished Chrome • Satin Chrome



PUSH OUT HANDLE

PRODUCTS:

Ultimate Casement • Ultimate Awning Ultimate Casement Narrow Frame Ultimate Awning Narrow Frame

AVAILABLE FINISHES:

Matte Black • Brass • White Antique Brass • Oil Rubbed Bronze Satin Nickel



FOLDING HANDLE

PRODUCTS: Ultimate Glider

AVAILABLE FINISHES:

Matte Black • Brass • Satin Taupe Satin Nickel • Bronze • White Antique Brass • Oil Rubbed Bronze Polished Chrome • Satin Chrome

FINISHES

MATTE BLACK BRONZE OIL RUBBED BRONZE ANTIQUE BRASS SATIN TAUPE SATIN NICKEL BRASS SATIN CHROME WHITE

FINISHES

MATTE BLACK

DARK

BRONZE

OIL RUBBED BRONZE

ANTIQUE BRASS

SATIN TAUPE

SATIN NICKEL

DOOR HARDWARE



DOOR HARDWARE

Ultimate door hardware is engineered for durability, ergonomics, and to be a beautiful complement to your Marvin door. Satin Nickel, Brass, and Oil Rubbed Bronze finishes are available with a PVD finish. The Physical Vapor Deposition (PVD) process adds a layer of toughness to hardware exposed to environmental factors like direct sun and humidity. PVD finishes resist fading and discoloration, even in coastal areas.



TRADITIONAL1

AVAILABLE FINISHES: Matte Black • Satin Taupe • Dark Bronze • White Antique Brass • Satin Chrome Oil Rubbed Bronze

PVD FINISHES:

Satin Nickel • Brass Oil Rubbed Bronze

Polished Chrome



CONTEMPORARY¹

AVAILABLE FINISHES: Matte Black • Dark Bronze

PVD FINISHES: Satin Nickel

Oil Rubbed Bronze



MINIMALIST²

Satin Nickel

Oil Rubbed Bronze

AVAILABLE FINISHES:

Matte Black • Dark Bronze PVD FINISHES:



HINGE

Matte Black • Satin Taupe Dark Bronze • White
Antique Brass • Satin Chrome Polished Chrome Oil Rubbed Bronze

PVD FINISHES: Satin Nickel • Brass Oil Rubbed Bronze



- (1) Available on Ultimate Swinging
- (2) Available on Ultimate Swinging door and Ultimate Swinging French door G2
- (3) Available on Ultimate Swinging door
- (4) Available on Ultimate Sliding door and Ultimate Sliding French door G2

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NARROW **CONTEMPORARY**³

AVAILABLE FINISHES: Matte Black • Dark Bronze

PVD FINISHES: Satin Nickel

Oil Rubbed Bronze



HARP⁴

AVAILABLE FINISHES: Matte Black • Satin Taupe Dark Bronze • White

Antique Brass • Satin Chrome Oil Rubbed Bronze Polished Chrome

PVD FINISHES: Satin Nickel • Brass Oil Rubbed Bronze



VERTICAL PULL⁴

AVAILABLE FINISHES: Matte Black • Dark Bronze

PVD FINISHES:

Satin Nickel • Brass Oil Rubbed Bronze



AVAILABLE FINISHES:

Matte Black • Dark Bronze

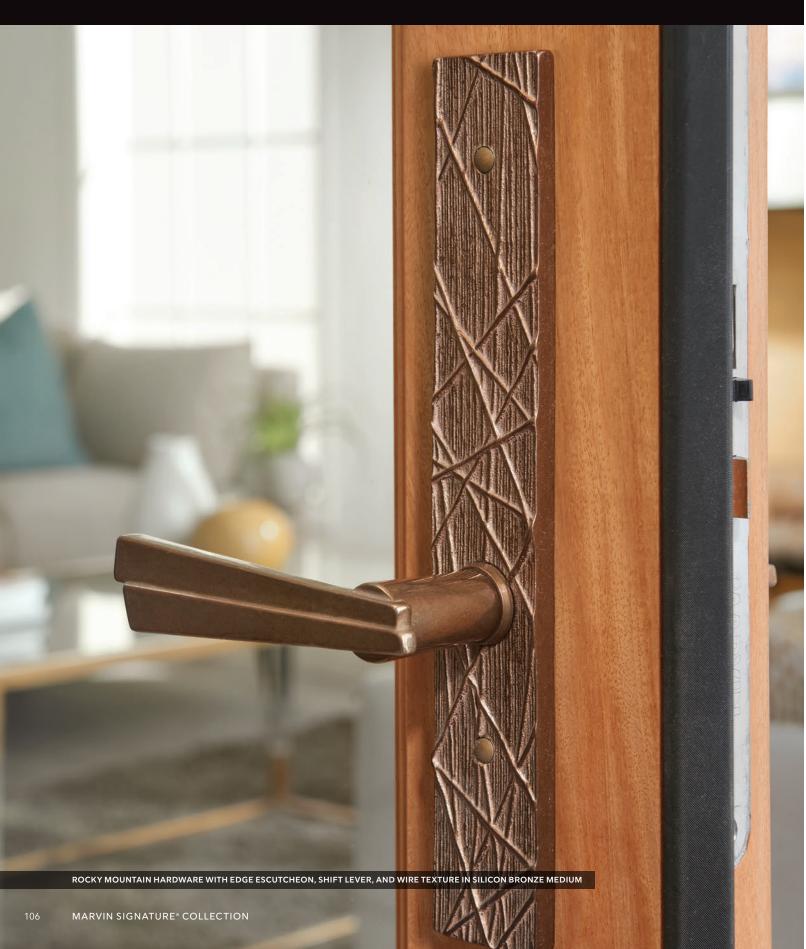
PVD FINISHES:

Oil Rubbed Bronze

Satin Nickel

- **EXTERIOR** FLUSH PULL4

GALLERY HARDWARE



GALLERY HARDWARE

Marvin Gallery Hardware is a curation of door hardware from three renowned manufacturers. Each set chosen meets Marvin's high standards for aesthetics, quality, and craftsmanship.

This hardware collection makes it easy for you to find the hardware choice that perfectly reflects your unique design sensibilities, vision, and personality. From contemporary to traditional, each beautiful piece heightens the aesthetics of any Marvin door.





ASHLEY NORTON

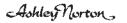
Established in 1987, Ashley Norton is one of the leading designers of fine architectural hardware. With a broad range of designs to suit any architectural style and an abundance of finish options. Ashley Norton solid brass and bronze hardware is built by the most talented craftsman for the most discerning customers.

BOUVET

Founded in 1884 in France by famed ironworker Gustave Bouvet. Metal Style Bouvet combines traditional French ironwork craftsmanship and materials with modern technology to create distinctive hardware for equally distinctive doors. Metal Style Bouvet represents the finest of decorative French-inspired hardware.

ROCKY MOUNTAIN HARDWARE

Rocky Mountain Hardware is expertly crafted in America using only the finest art-grade bronze and precision mechanisms. With over three decades of experience, Rocky Mountain Hardware continues to set itself apart with inimitable style, boundless capabilities, and exceptional quality guaranteed to stand the test of time.





ROCKY MOUNTAIN

GALLERY HARDWARE

ASHLEY NORTON



URBAN ESCUTCHEON CLAROS LEVER DARK BRONZE FINISH

POLISHED BRASS FINISH

URBAN ESCUTCHEON ATLAS LEVER SATIN CHROME FINISH

DARK BONZE FINISH





URBAN ESCUTCHEON DUNN PULL DARK BRONZE FINISH

BOUVET



RECTANGULAR ESCUTCHEON BIRDCAGE 1054 LEVER BLACK FINISH

RECTANGULAR ESCUTCHEON TWISTED 1055 LEVER PEWTER FINISH



ARCH ESCUTCHEON CLASSIC 1052 LEVER PEWTER FINISH

RECTANGULAR ESCUTCHEON SQUARE 1051 LEVER BLACK FINISH



ARCH ESCUTCHEON ARRONDIE PULL 3352



ARCH ESCUTCHEON BIRDCAGE 3353 PULL PEWTER FINISH

ROCKY MOUNTAIN HARDWARE



CURVED E539 ESCUTCHEON HOOK L104 LEVER WHITE BRONZE MEDIUM FINISH

STEPPED ESCUTCHEON

SQUIRREL TAIL L102 LEVER

STEPPED ESCUTCHEON LEGACY L109 LEVER SILICON BRONZE DARK FINISH

CURVED ESCUTCHEON

RIDGE L224 LEVER WHITE BRONZE BRUSHED FINISH





TROUSDALE ESCUTCHEON OFFSET TROUSDALE GRIP G30300 SILICON BRONZE DARK LUSTRE FINISH



EDGE ESCUTCHEON
OFFSET D GRIP SDP6
SILICON BRONZE
LIGHT FINISH
BASIC TEXTURE







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COASTAL PRODUCTS

COASTAL PRODUCTS

Coastal living is beautiful and serene until the storms hit. When you live by the water, you need to know that your windows and doors will stand up to the challenge of coastal conditions. We offer windows and doors specifically designed for the extreme conditions and construction requirements of coastal zones.

ULTIMATE CASEMENT + AWNING Offer a variety of customization, expert craftsmanship and superior value. Casement is also available in Round Top.
ULTIMATE DOUBLE HUNG G2 Blends traditional beauty with state-of-the-art window performance. Also available in an operating Round Top.
ULTIMATE WOOD DOUBLE HUNG Incredibly durable, versatile and easy-to-use. An all-wood exterior and interior bring beautiful and classic style to your project. Also available in Round Top.
PICTURE / DIRECT GLAZE / TRANSOM
Picture (in-operable in-sash glazing - like Casement and Awning) and Direct Glaze (in-operable with direct to frame glazing) windows are available in a wide range of polygon and radius shapes. Transoms are in-sash glazed and can be stationary or operating.
ULTIMATE BI-FOLD DOOR Creates a wide-open transition to outdoor spaces. Spanning up to 55 feet in width, the Bi-Fold door offers more glass and a clean aesthetic.



ULTIMATE MULTI-SLIDE DOOR

Blends exceptional views and indoor/outdoor living with performance. Available in styles up to six panels uni-directional and ten panels bi-parting.



2 1/4" ULTIMATE SWINGING FRENCH DOOR G2

Combines a traditional French style with expert craftsmanship, engineered for both quality and performance. Select from inswing or outswing operation in configurations up to 14 feet wide.



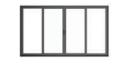
2 1/4" ULTIMATE SWINGING NARROW PROFILE DOOR

The narrow 3-inch stiles and rails increase the glass opening and help provide larger views. Choose between inswing or outswing operation and configurations of up to four panels.



2 1/4" ULTIMATE SLIDING FRENCH DOOR G2

The elegant look of a traditional French door with a space-saving sliding design. Available in 4 panels up to 16 feet wide x 10 feet high. Superior quality with nearly effortless operation.



2 1/4" ULTIMATE SLIDING NARROW PROFILE DOOR

Features 3-inch stiles and rails for a more contemporary look. Available in 4 panels up to 12 feet wide and 8 feet high.



MULL OPTIONS

Dramatic ocean views are often created by grouping IZ3 windows in an assembly, sometimes joining them both horizontally and vertically. The space between the windows where they are joined together is called a mull. Mulling options for Marvin IZ3 Ultimate Casement windows and Ultimate Double Hung windows with frame-to-frame mulling configurations are WDMA certified in most sizes.





Since we opened as a family-owned and -operated lumber and cedar company in 1912, Marvin has designed products to help people live better. We remain committed to bringing beauty and simplicity into people's lives with windows and doors that stand the test of time.

MARVIN.COM

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Cover image: Ultimate Casement and Direct Glaze in Bronze

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Colors shown in printed materials are simulations and may not precisely duplicate product or finish colors. Contact your local Marvin dealer to view actual product and finish color samples.









