

Kyle and Jen Amsdell

Home Addition

1137 Elmwood Road
Rocky River, Ohio 44116

Permit Set

02-15-2023



Schmitz
Design Co.

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Kyle and Jen Amsdell
Home Addition
1137 Elmwood Road
Rocky River, Ohio 44116

ABBREVIATIONS

ADA	UL A117.1 2009 STANDARDS	N.I.C.	NOT IN CONTRACT
AFF	ABOVE FINISH FLOOR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
ALUM	ALUMINUM		
B/	BOTTOM OF	O/	OVER
BD	BOARD	OC	ON CENTER
BLDG	BUILDING	OBC	OHIO BUILDING CODE
BOTT	BOTTOM	OL	OCCUPANT LOAD
		OPP	OPPOSITE
C.O.	CLEANOUT	PT	PRESSURE TREATED
CFM	CUBIC FEET PER MINUTE	PERF	PERFORATED
CLG	CEILING	PLAM	PLASTIC LAMINATE
CLR	CLEAR	PLYWD	PLYWOOD
CMU	CONCRETE MASONRY UNIT	PR	PAIR
CONC	CONCRETE	PTD	PAINTED
CONT	CONTINUOUS	PVC	POLYVINYL CHLORIDE
CPT	CARPET		
D.S.	DOWNSPOUT	R.O.	ROUGH OPENING
DEMO	DEMOLITION/DEMOLISH	REF	REFERENCE
DIA	DIAMETER	REQ'D	REQUIRED
DN	DOWN	RH	RIGHT HAND
DWG	DRAWING	RM	ROOM
		RR	RESTROOM
(E)	EXISTING	RTU	ROOF TOP UNIT
ETR	EXISTING TO REMAIN	S.B.O.	SUPPLIED BY OWNER
EA	EACH	SAN	SANITARY
ELEV	ELEVATION	SCHED	SCHEDULE
EQ	EQUAL	SF	SQUARE FOOT
EXIST	EXISTING	SIM	SIMILAR
EXT	EXTERIOR	SSTL	STAINLESS STEEL
		STL	STEEL
FD	FLOOR DRAIN	STRUCT	STRUCTURE/ STRUCTURAL
FE	FIRE EXTINGUISHER		
FFE	FINISH FLOOR ELEVATION	T/	TOP OF
FRP	FIBERGLASS REINFORCED PLASTIC	TYP	TYPICAL
FRT	FIRE RETARDANT TREATED		
FT	FEET/FOOT	UL	UNDERWRITERS LABORATORIES
FTG	FOOTING	UNO	UNLESS NOTED OTHERWISE
		V	VOLT
GA	GUAGE	V.I.F.	VERIFY IN FIELD
GALV	GALVANIZED	VTR	VENT THROUGH ROOF
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER		
GWB	GYPSUM WALL BOARD	W	WIDE
GYP	GYPSUM	W/	WITH
		WD	WOOD
HM	HOLLOW METAL	WWF	WELDED WIRE FABRIC
HSS	HOLLOW STEEL SECTION		
		@	AT
IECC	INTERNATIONAL ENERGY CONSERVATION CODE	⌀	CENTERLINE
		Ø	DIAMETER
LAV	LAVATORY		
LH	LEFT HAND		
LVL	LAMINATED VENEER LUMBER		
M.O.	MASONRY OPENING		
MASY	MASONRY		
MAX	MAXIMUM		
MECH	MECHANICAL		
MEP	MECHANICAL, ELECRICAL, & PLUMBING		
MFR	MANUFACTURER		
MGYP	MOISTURE RESISTANT GYPSUM BOARD		
MIN	MINIMUM		
MTL	METAL		

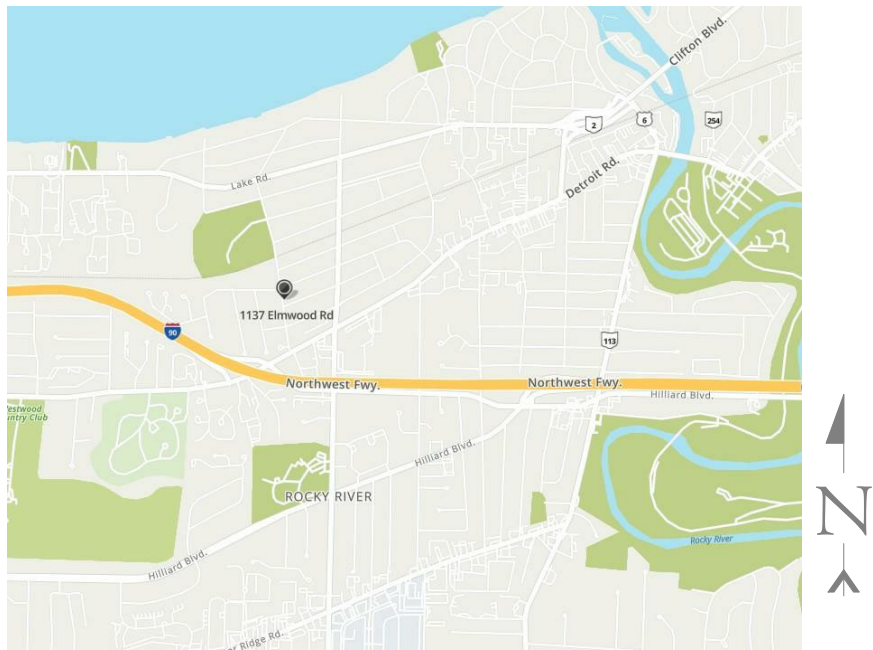
GENERAL PROJECT NOTES

- The work shall conform to all applicable local, state, and national codes.
- Field verify existing conditions prior to performing any demolition, fabrication, or construction work.
- Contractor shall review and become familiar with all existing conditions prior to commencing work. Any conditions not documented on these drawings or observed to be different than those shown on these drawings are to be reported to the architect and owner prior to commencing the work.
Contractor shall submit all not already submitted permit documents, qualifications, etc. and be responsible for all fees associated with permits, utility extensions, tap-inspections, etc. The contractor is responsible for obtaining the permits, and all associated permit and inspection costs / fees.
- If a discrepancy or conflict between code requirements, drawing details, specifications, engineering data, manufacturer's recommendations, existing conditions, or owner provided information becomes known to the contractor, they shall promptly report it to the architect/engineer and owner for corrective action.
- Contractor and sub-contractors shall determine erection procedures and sequencing and provide all required shoring and bracing as needed to complete the work.
- It is the sole responsibility of the contractor and sub-contractors to initiate, maintain, and supervise all safety requirements, precautions, and programs in connection with the work.
- Written dimensions take precedence over scaled dimensions.
- Before any work is started, all boundary lines shall be marked at their intersections with permanent markers and setbacks shall be checked for conformance.

DRAWING INDEX

A0.0	Title Sheet
A1.0	General Notes and Elevations
A2.0	Floor Plans
A3.0	Wall Sections

LOCATION MAP



CODE COMPLIANCE

Applicable Codes:	2019 Residential Code of Ohio (RCO) 2017 Ohio Plumbing Code (OPC) 2017 Ohio Mechanical Code (OMC) 2017 National Electric Code (NEC) Local Building and Zoning Ordinances
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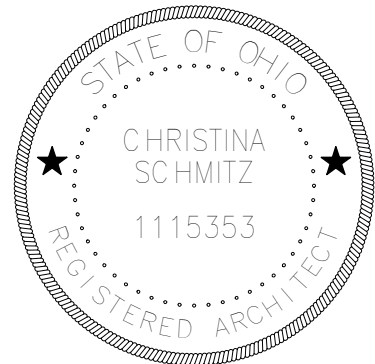
General Project Scope: Second floor addition to a single family home.

Design Criteria:	
Ground snow load	20 psf (RCO 301.2(6))
Wind design speed	115 mph (RCO 301.2(1))
Seismic design category	A (RCO 301.2(2))
Winter design temp	5" (RCO 301.2(1e))
Ice barrier underlayment Required	(RCO 301.2(1))
Flood hazard	N/A
Air freezing index	1500 (RCO 403.3(2))
Dead load	
Floor Construction	12 psf
Roof Construction	15 psf
Exterior Stud Wall Construction	
Brick Veneer	48 psf
Interior Wall Construction	
Gypsum Board	8 psf
Plaster	20 psf
Live load (RCO 301.5)	
Rooms other than sleeping rooms	40 psf
Min roof live load (RCO 301.6)	
4:12 pitch to < 12:12 pitch	16 psf
Allowable Deflection (RCO 301.7)	
Interior Walls and Partitions	H/180
Floors	L/360
Gypsum Ceilings	L/240
All other structural members	L/240
Exterior walls	H/180

Energy Efficiency - Chapter 11

Ohio Home Builders Association Alternative Energy Code Option
Table 1112.2.1 - Insulation and Fenestration Requirements by Component
Compliance Path #1

Fenestration U-Factor:	U-0.32
Skylight U-Factor:	U-0.60
Ceiling R-Value:	R-49 (or R-38 where the insulation extends uncompressed over the top wall plate at the eaves per 1102.2.1)
Wood Frame Wall R-Value:	R-15
Mass Wall R-Value:	R-13 or R-17 when more than half the insulation is on the interior of the mass wall.
Floor R-Value:	R-30 or sufficient to fill the framing cavity (R-19 min.)
Basement Wall R-Value:	R-10 continuous or R-13 cavity (min. 4 feet)
Slab R-Value:	R-10 for 2 feet
Crawl Space R-Value:	R-10 continuous or R-13 cavity



Christina M. Schmitz, License #1115353
Expiration Date 12/31/2023

02-15-2023 Permit Set

Title Sheet

A0.0

Project Number: 2249

GENERAL NOTES

- Verify all rough openings with manufacturer prior to framing.
- All windows are indicated by frame size. All windows shall have design pressure ratings in accordance with RCO 612.5.
- All habitable rooms shall have an aggregate glazing of not less than 8% of the room floor area.
- Provide tempered glass in all windows less than 18" above finished floor, glass in doors, windows within 24" of a door, glass in guards and railings, glass shower enclosures, and where glass is within 60 inches of the bottom stair.
- All handrails shall be mounted between 34" min. and 38" max from tread nosing.
- Porch and balcony railings shall be at least 36" in height where 30" or more above floor or grade below.
- All balusters shall be spaced to prohibit a sphere 4" in diameter from passage through it.
- Minimum head room at stairs shall be 6'-8".
- All garage doors operated by an electric opener shall have an automatic safety / reverse feature.
- Provide sill pitch on all windows and doors towards the exterior.
- Provide pan flashing for all openings.
- Provide all necessary, unspecified flashing.
- Provide all necessary, unspecified roof saddles.
- Step flash all roof and wall intersections with kick flashing at gutter wall locations.
- Provide all necessary downspouts and footing drains with connections to local storm sewer.
- All enclosed attic and rafter spaces shall have cross ventilation with net free area not less than 1/300 of the area to be vented. All openings shall be protected against the entry of snow and rain.
- Contractor shall verify all color selections, finish selections, plumbing fixture selections, etc. with the home owner.
- Provide ridge vent at all horizontal ridges of a length greater or equal to 10'-0".
- Provide weather stripping for man door between garage and living area.
- Provide an attic access panel where there is 30" min of clear height. Panel shall be a min. of 22" x 30" with a min. R-value of 10 and gasketing. Provide a switched light.
- The following areas shall be caulked, gasketed, weatherstripped, or otherwise sealed with an air barrier material, suitable film, or solid material:
 - All joints, seams, and penetrations
 - Site built windows, doors, and skylights
 - Openings between window and door assemblies and their respective jambs and framing
 - Utility penetrations
 - Dropped ceilings or chases adjacent to the thermal envelope
 - Knee walls
 - Walls and ceilings separating the garage from conditioned spaces
 - Behind tubs and showers on exterior walls
 - Attic access openings
 - Rim joist junction
 - Other sources of infiltration
- Provide 1/2" regular gypsum board throughout structure unless noted otherwise.
- Provide 5/8" gypsum board on ceilings where framing members are 24" oc or more.
- Provide 5/8" Type "X" gypsum board at garage ceiling.
- Provide moisture resistant gypsum board in all bathrooms with showers.
- Provide cement backer board at all wet walls to receive tile.
- Insulation shall not be compressed in the cavity per manufacturer's recommendations.
- Provide ventilation baffles at all rafter spaces.
- Caulk all openings in exterior walls. Foam all opening in top plates.
- Insulation facing shall be located on the warm side of the insulation.
- Doors between garage and residence shall be equipped with solid wood doors not less than 1-3/8" in thickness, or 20-minute fire-rated doors.
- Enclosed accessible space under stairs shall have walls, under-stair surfaces, and any soffits protected on the enclosed side with 1/2" gypsum board.
- Provide fireblocking in concealed partition walls vertically at ceiling and floor levels and horizontally at intervals not exceeding 10 feet, in concealed spaces between stair stringers at the top and bottom of each run, and at openings around vents, pipes, ducts, cables, and wires at ceiling and floor level.
- Bedrooms shall have emergency egress windows:
 - Minimum 5.7 SF clear opening
 - 24" minimum clear opening height
 - 20" minimum clear opening width
 - Sill 44" maximum above finish floor
- Means of Egress:
 - Front door shall be a minimum of 34" x 80"
 - The exterior landing shall not be more than 8-1/4" below the top of the threshold with an inswinging door.
 - Minimum hallway width is 3'-0"
 - Minimum stairway width is 36" above the handrail
 - Minimum stairway width is 31-1/2" at or below the handrail
 - Maximum riser height is 8-1/4"
 - Minimum tread depth is 9"
- Smoke alarms are required:
 - At each floor level (including basement)
 - In each bedroom.
 - Outside each sleeping area in the adjacent hall.
 - Interconnected with battery backup (Interconnection / hardwiring is not required in existing inaccessible areas)
- Carbon monoxide detectors required in the immediate vicinity of bedrooms and within bedrooms where there are fuel burning appliances.

FOUNDATION NOTES

- Assumed soil bearing capacity is 1,500 psf. The contractor is responsible for verifying this capacity. A geotechnical engineer shall be the responsibility of the contractor and/or homeowner.
- All footing concrete shall be 3,000 psi (28 day compressive strength)
- All slabs on grade shall be 4,000 psi (28 day compressive strength)
- Provide 6 mil vapor barrier under all interior and garage slabs.
- All footings to be 8" wider than the wall they support and bear on undisturbed soil of bearing capacity.
- The bottom of all footings shall be minimum 36" below grade, or at least 12" below undisturbed soil, whichever is greater.
- Foundations shall not be backfilled unless properly braced.
- Provide a capped clean out to grade with access to the length of the wall along each below grade wall with drain tie being worked on.
- Top of foundation walls shall be at least 6" above finished grade at the full perimeter of the structure.

SITE NOTES

- It is the responsibility of the builder and/or owner to retain the services of a registered surveyor or engineer to verify existing field conditions such as property lines, utility locations, and grading.
- Lot shall be graded to drain surface water away from foundation walls. The grade shall fall a min. of 6" within the first 10 feet.
- Provide sawn or hand troweled control joints @ 10'-0" oc max. each way in driveways and patios.
- Provide control joints in all walks equal to the width of the walk.
- Existing on-site topography shall not be changed. Soil excavated from foundation or other construction shall be hauled off site unless a proposed grading plan is provided to the city for review and is approved.

FRAMING NOTES

- Framing lumber shall be Spruce-Pine-Fir #2 grade or better.
- All lumber shall be stamped with the grade mark of an approved testing agency.
- All LVL beams noted on these drawings shall must meet the following design criteria and be all sizes shall be verified by supplier.
 - Bending Stress: 2900 Fb
 - Modulus of Elasticity: 2,000,000
 - Shear Stress: 285 Fv
 - Compression Stress: 3200 F (parallel to grain) and 750 F (perpendicular to grain)
 - Deflection: L/360 LL and L/240 TL
- Engineered roof trusses are the responsibility of the builder, lumber company, or truss manufacturer.
- Provide double joists at all parallel partitions, tub locations, and cantilevers.
- Provide double header joist and trimmer at all floor openings.
- Provide solid blocking at all bearing locations and @ 8'-0" oc.
- Provide minimum 2x4 collar ties @ 4'-0" oc for all rafters unless noted otherwise. Collar ties shall be placed in the upper third of the rafter.
- All partitions over 10'-0" high shall be framed @ 12" oc.
- All jack studs shall be blocked below the deck.
- Provide 2x8 stiffbacks @ 10'-0" oc for all ceiling joists.
- All sill plates shall be full width of foundation wall below.
- All drilling and notching of studs shall be done in conformance with RCO R602.6.
- All cutting, drilling, and notching of structural floor members shall be done in accordance with RCO 502.8.
- All joists, beams, and girders shall bear a min. of 1-1/2" on wood or metal and 3" on masonry UNO.
- Pressure treated wood shall be used in the following locations:
 - Wood framing members that rest on concrete or masonry foundation walls and are less than 8" from the exposed ground.
 - Sills and sleepers on a concrete slab unless separated with an impervious moisture barrier.
 - Ends of wood girders entering exterior masonry walls having clearances less than 1/2" on tops, sides and ends.
 - Wood sheathing and wall framing on the exterior of a building having a clearance of less than 6" from the ground or less than 2" measured vertically from concrete steps or slabs.
 - All wood in contact with the ground.
 - Wood columns, unless on concrete or metal pedestals.
- Column to beam fastening:
 - Beam ending in concrete pocket: Provide top plate continuously welded to beam on both sides, or no less than (2) 1/2" diameter bolts placed diagonally through top plate of steel column and bottom of the beam. The base plate(s) of steel column(s) shall be anchored to concrete footing pad(s) with no less than two 1/2" diameter anchors or bolts placed diagonally through the base plate(s) of the steel column(s) into the concrete footing pad(s). Beam ending on steel column with bolted connection: Provide no less than four 1/2" diameter bolts shall be used connecting the top plate of the steel column to the beam. The base plate of the steel column shall be anchored to the concrete footing pad with no less than four 1/2" diameter anchors through the base plate of the steel column to the concrete footing pad, or per design professional or manufacturer's recommendation
 - Powder actuated fasteners are prohibited.

ELECTRICAL NOTES

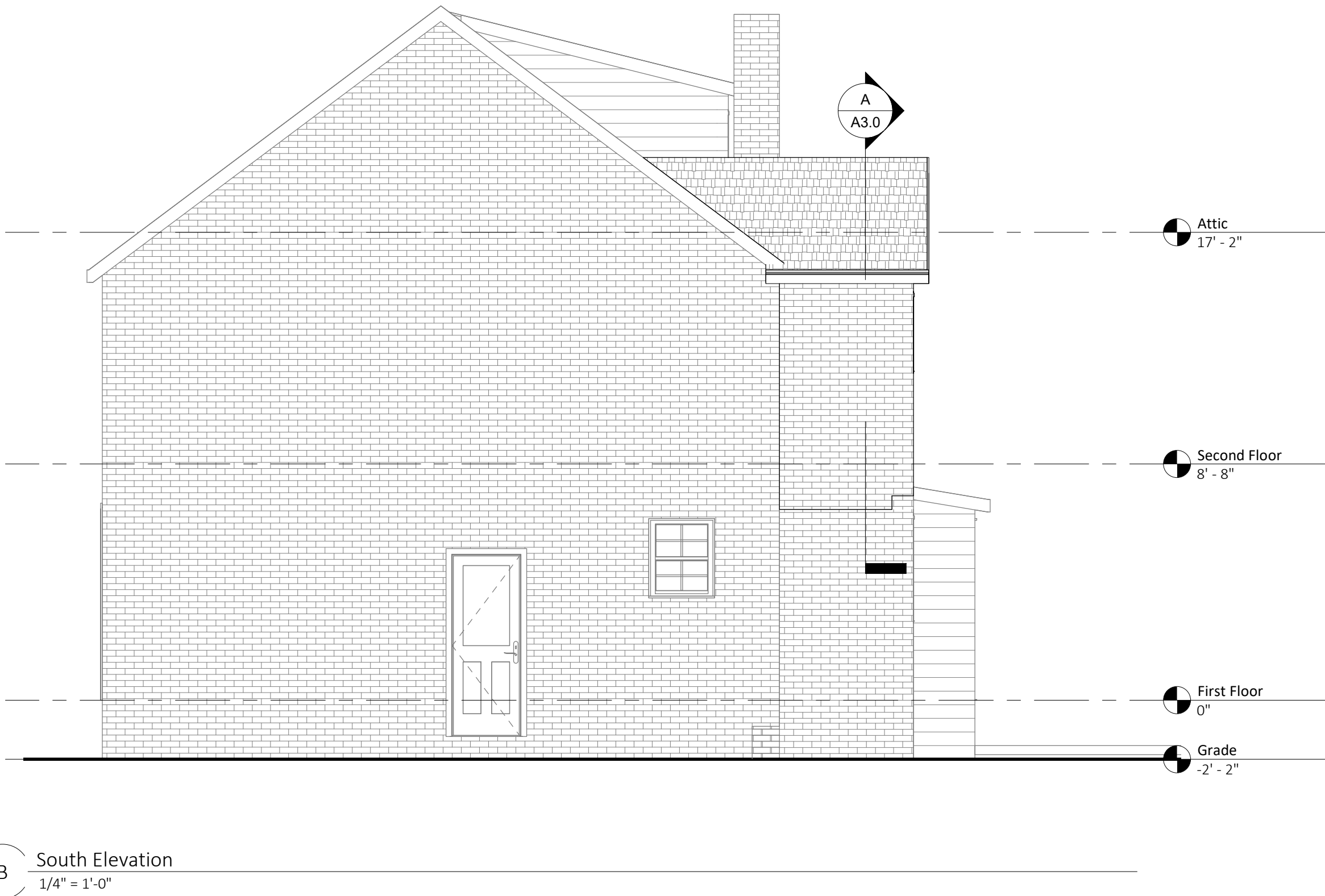
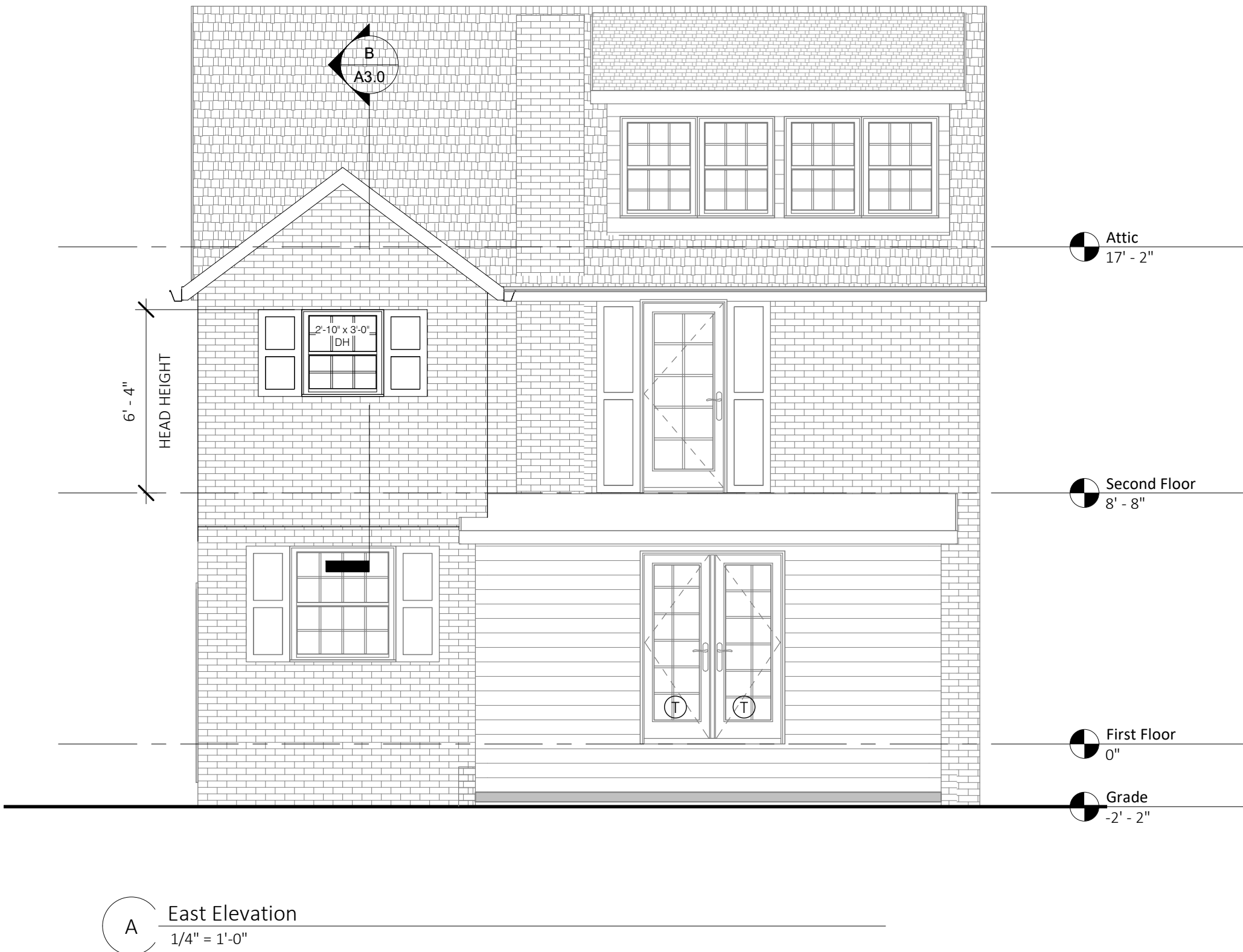
- In addition to the branch circuits installed to supply general illumination and receptacle outlets in dwelling units, the following minimum requirements apply:
 - Two 20-amp circuits for the kitchen receptacles.
 - One 20-amp circuit for the laundry receptacles.
 - One 20-amp circuit for the bathroom receptacles.
 - One 20-amp circuit for the garage receptacles.
 - One individual branch circuit for central heating equipment (ie. furnace).
- All branch circuits supplying 125-volt, 15-and 20-amp outlets or devices in dwelling unit kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, laundry areas, closets, hallways, or similar areas shall be protected by a listed combination type-AFCI device. AFCI protection is also required where branch circuit wiring in the above locations is modified, replace, or extended.
- Any receptacle within 6' of sink must be GFCI protected
- All countertop receptacles in Kitchen to be GFCI protected
- At least 1 GFCI receptacle shall be provided on each side of sink in kitchen island
- Kitchen receptacles shall be provided within 24" of all counter spaces measured horizontally along the wall.
- A receptacle outlet shall be installed at each counter space 12 inches or wider and at each island counter or peninsular space greater than 24 inches by 12 inches.
- Master Bath lay to have 1 GFCI receptacle on each side OR 1 GFCI between bowls.
- Receptacles shall not be installed within 3 feet horizontally and 2.5 feet vertically from the top of the bathtub rim or shower stall threshold.
- Receptacles in Laundry rooms shall be GFCI.
- Receptacles to be provided in all habitable rooms within 6' of doorways and 12' max spacing. A receptacle outlet shall be installed in each wall space 2-feet or more in width.
- Where one or more lighting outlets are installed for interior stairways, there shall be a wall switch at each floor level and landing level that includes an entryway, to control the lighting outlets where the stairway between floor levels has six risers or more.
- At least one GFCI receptacle required in Garage in each vehicle bay not more than 66" above the floor.
- For dwelling units, attached garages, and detached garages with electrical power, at least one wall switch - controlled lighting outlet shall be installed to provide illumination on the exterior side of outdoor entrances or exits with grade - level access. A vehicle door in a garage shall not be considered as an outdoor entrance or exit.
- GFCI receptacle required with 25' of HVAC equipment (within the same space)
- Bedrooms must be AFCI protected
- Foyers greater than 60 sq. ft. shall have a receptacle in each wall 3' or more in width.
- At least one wall switch controlled lighting outlet shall be installed in every habitable room, kitchen and bathroom, hallway, stairway, garage and basement spaces.
- Receptacles that are installed or replaced in wet locations shall be listed as weather resistant "WR" and shall have an enclosure that is weatherproof with the cord inserted. Covers shall be marked "extra duty".
- At least one receptacle outlet accessible from grade shall be installed at the front and back of the dwelling with an extra duty cover that is weatherproof, whether or not an attachment plug cap is inserted in the receptacle outlet.
- Balconies, decks, and porches accessible from inside a dwelling unit shall have at least one receptacle outlet located less than 6 1/2 feet above the floor.
- Smoke detectors shall be hard wired and interconnected with battery back up.
- All underground electrical lines shall be embedded in sand.

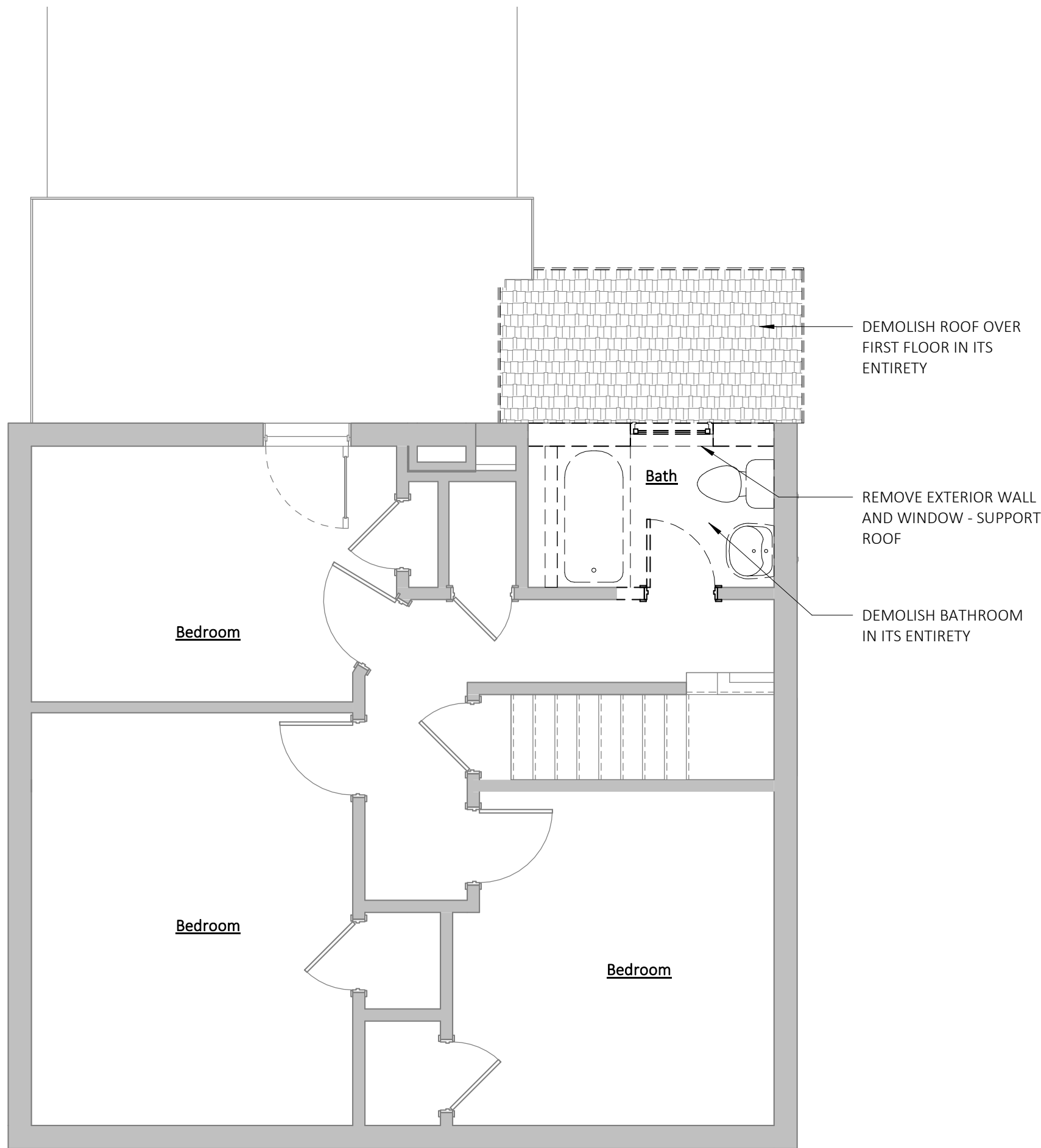
HVAC AND PLUMBING NOTES

- It is the responsibility of the builder to have all HVAC and plumbing systems designed and installed by licensed mechanical specialists.
- It is the responsibility of the contractor to submit mechanical and plumbing descriptions to the city for approval prior to initiation of the work.
- All mechanical flues shall be routed to the rear of the house.
- Condensing units shall be placed in the rear or side yards in accordance with local zoning codes.
- All toilet and bath/shower areas shall have an exhaust fan vented to the exterior.
- Vent thru roof (VTR) shall be a min. of 10'-0" away from outside air intake openings.
- Ducts in unconditioned spaces shall be insulated with a min. R-8 insulation.
- Verify the exact location of the water heater and furnace prior to installation of floor drains.
- Sump pumps (if required) shall have an in line check valve.
- Unvented crawl spaces shall have the following:
 - A class I vapor retarder under the concrete slab. Joints of the vapor retarder shall overlap by 6 inches and shall be sealed or taped. The edges of the vapor retarder shall extend not less than 6 inches up the stem wall and shall be attached and sealed to the stem wall or insulation.
 - One of the following:
 - Conditioned air supply sized to deliver at a rate equal to 1 cubic foot per minute for each 50 square feet of under-floor area, including a return air pathway to the common area (such as a duct or transfer grille), and perimeter walls insulated with R-10 rigid insulation.
 - Dehumidification sized to provide 70 pints of moisture removal per day for every 1,000 square feet of crawl space floor area.

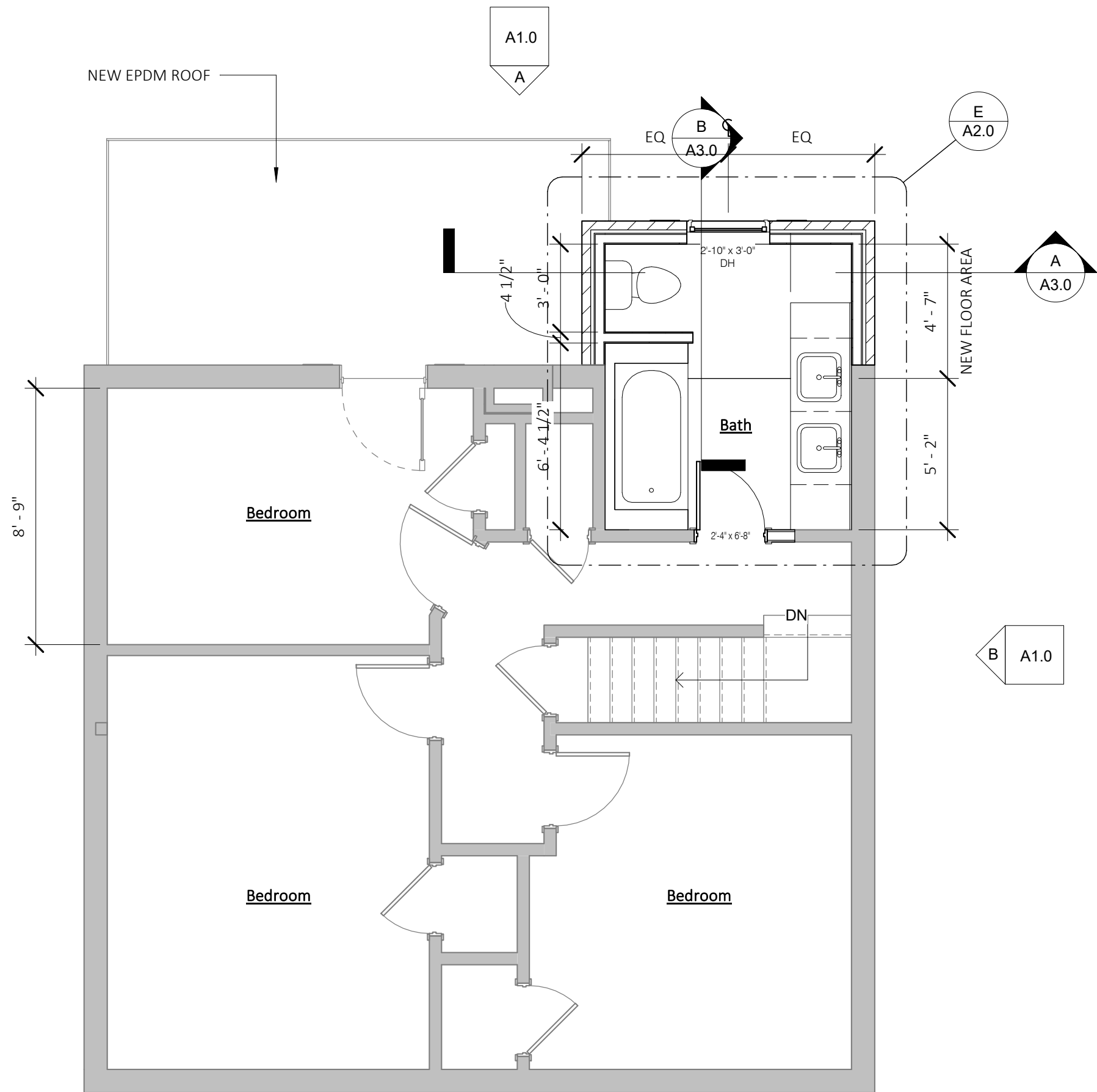
EXTERIOR ELEVATION GENERAL NOTES

- NEW FACE BRICK, VINYL WINDOWS, AND ASPHALT SHINGLES TO MATCH EXISTING

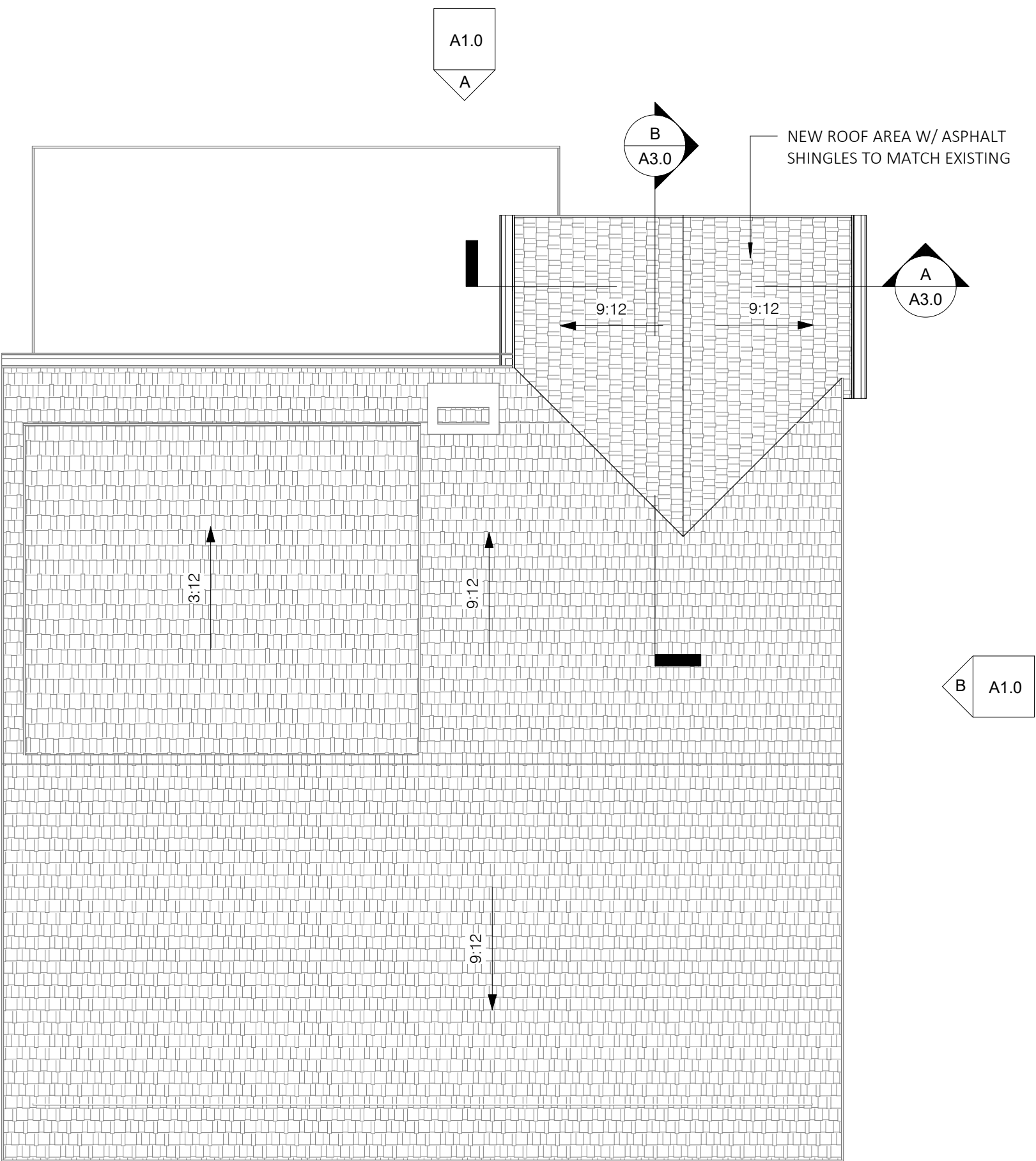




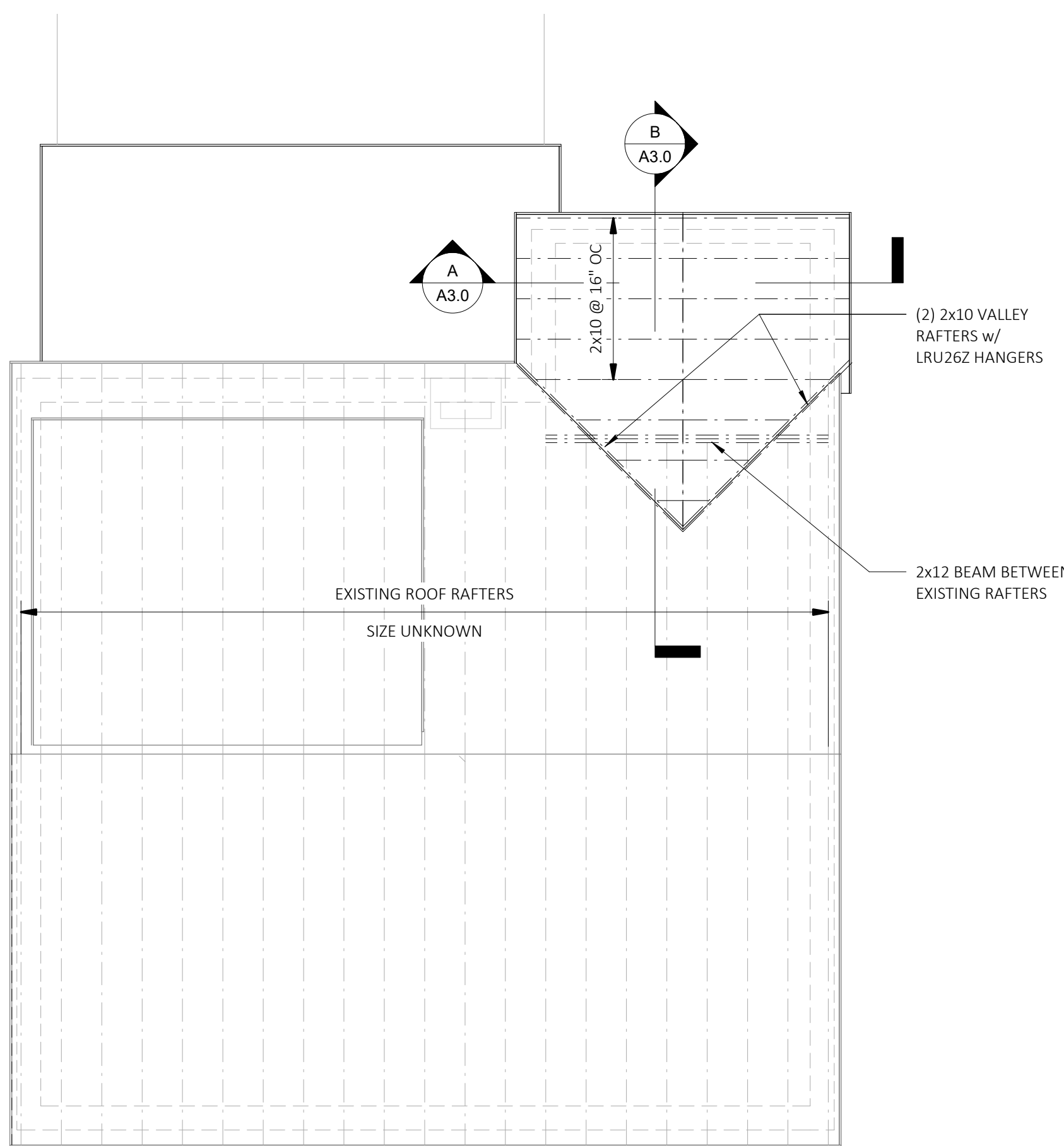
A Second Floor Demolition Plan
1/4" = 1'-0"



B Second Floor - New Work Plan
1/4" = 1'-0"



C Roof Plan
1/4" = 1'-0"



D Roof Framing
1/4" = 1'-0"

DEMOLITION GENERAL NOTES

- FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DEMOLITION ACTIVITIES. NOTIFY THE ARCHITECT OF ANY CONDITIONS AFFECTING THE WORK THAT VARY FROM THOSE INDICATED WITHIN THESE DOCUMENTS.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING TO BRACE AND SUPPORT EXISTING WORK PRIOR TO AND DURING DEMOLITION AND NEW CONSTRUCTION AS NEEDED.

ELECTRICAL AND LIGHTING NOTES

- REFER TO SHEET A0.1 FOR GENERAL ELECTRICAL NOTES.
- CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL SWITCHES, OUTLETS, LIGHTING, CABLE, DATA, PHONE, AUDIO ETC WITH THE HOME OWNER PRIOR TO INSTALLATION.
- WHILE SYMBOLS MAY BE SHOWN ADJACENT, ALIGN SWITCHES AND WALL RECEPTACLES WHERE POSSIBLE
- RECESSED LIGHTING IN INSULATED CEILINGS AREAS SHALL BE FULLY SEALED WITH A GASKET OR CAULK.
- RECESSED LIGHTS SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE OF NOT GREATER THAN 2.0 CFM WHEN TESTED IN ACCORDANCE WITH ASTM E283 AT A PRESSURE DIFFERENTIAL OF 1.57 PSF.

ELECTRICAL LEGEND

- LIGHT FIXTURE - SELECTED BY OWNER
- WALL MOUNTED LIGHT FIXTURE - SELECTED BY OWNER
- EXHAUST FAN/ LIGHT COMBO
- NEW DUPLEX RECEPTACLE (120V) @ 18" AFF UNO WITH +#"
- SINGLE SWITCH
- CIRCUIT HOMERUN TO PANEL

ABBREVIATION CODE:

- AC ABOVE COUNTER (MIN 8" AC)
- CAB IN/UNDER CABINET
- GFCI GROUND FAULT CIRCUIT INTERRUPTER

FLOOR PLAN GENERAL NOTES

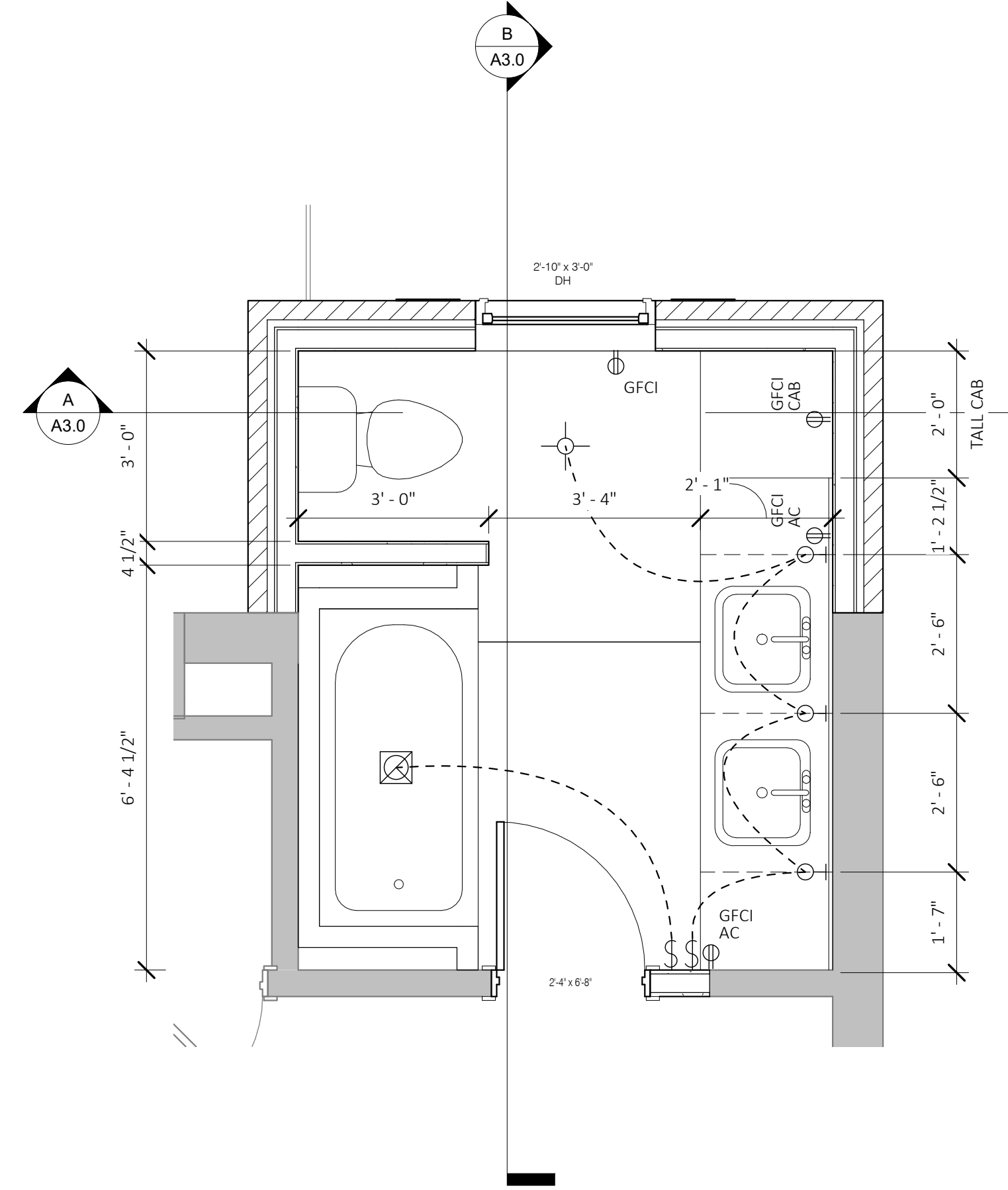
- FIELD VERIFICATION OF ALL EXISTING CONDITIONS AND DIMENSIONS, INCLUDING FLOOR LEVEL HEIGHTS, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.
- EXTERIOR WALLS ARE DIMENSIONED TO OUTSIDE FACE OF SHEATHING. ALL OTHER DIMENSIONS ARE TO FINISHED FACE U.N.O. ALL DIMENSIONS TO EXISTING CONSTRUCTION ARE TO BE VERIFIED IN THE FIELD BY CONTRACTOR.
- INTERIOR WALL ASSEMBLIES SHALL CONSIST OF 1/2" GYP BD ON EA SIDE OF 2x4 WOOD FRAMING @ 16" OC, UNO.
- FRAMING SIZES BASED OFF SPRUCE-PINE-FIR (SPF) GRADE #2 OR BETTER UNO.
- FIELD VERIFY ALL RELEVANT DIMENSIONS AND CONDITIONS PRIOR TO FABRICATION OF ANY SYSTEMS.
- WALL BRACING SHALL BE CONSTRUCTED IN COMPLIANCE WITH RCO 602.10.

FLOOR PLAN LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NEW CONSTRUCTION

ROOF PLAN GENERAL NOTES

- PROVIDE ICE GUARD ON ALL VALLEYS AND FOR 3' ON ALL EAVES.

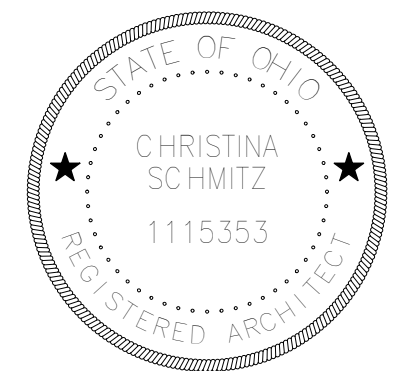


E Enlarged Bathroom Plan
1/2" = 1'-0"

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Wall Sections

A3.0

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