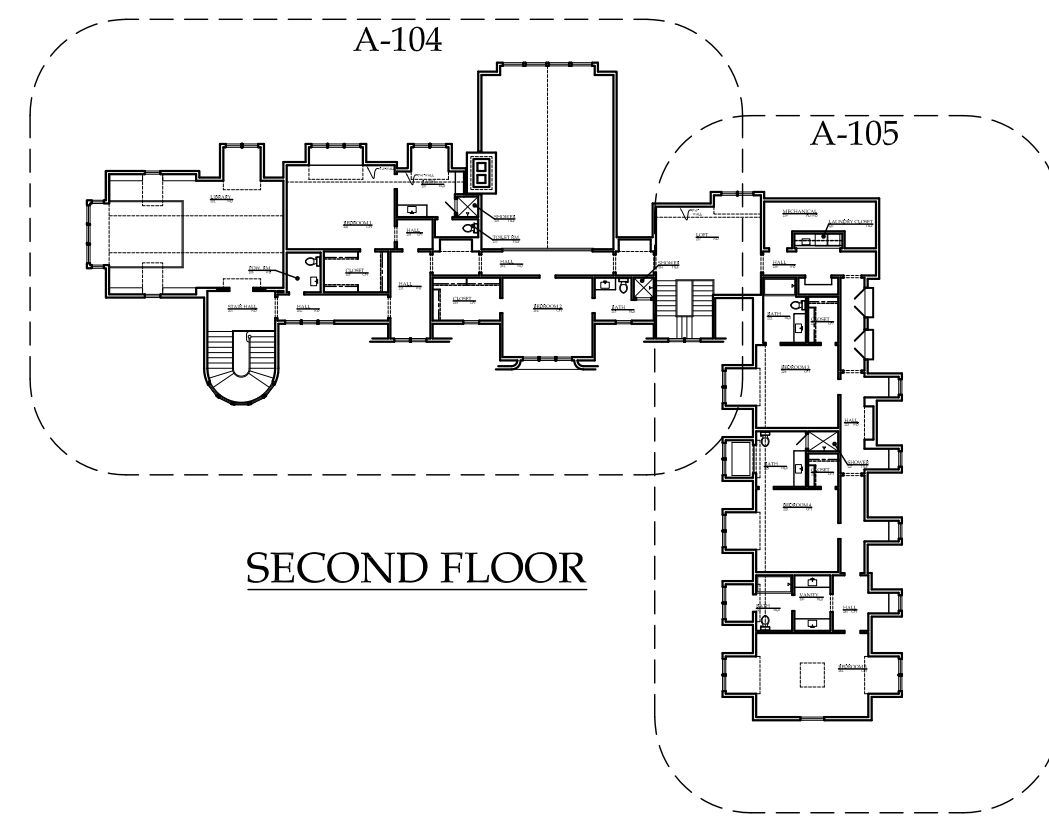
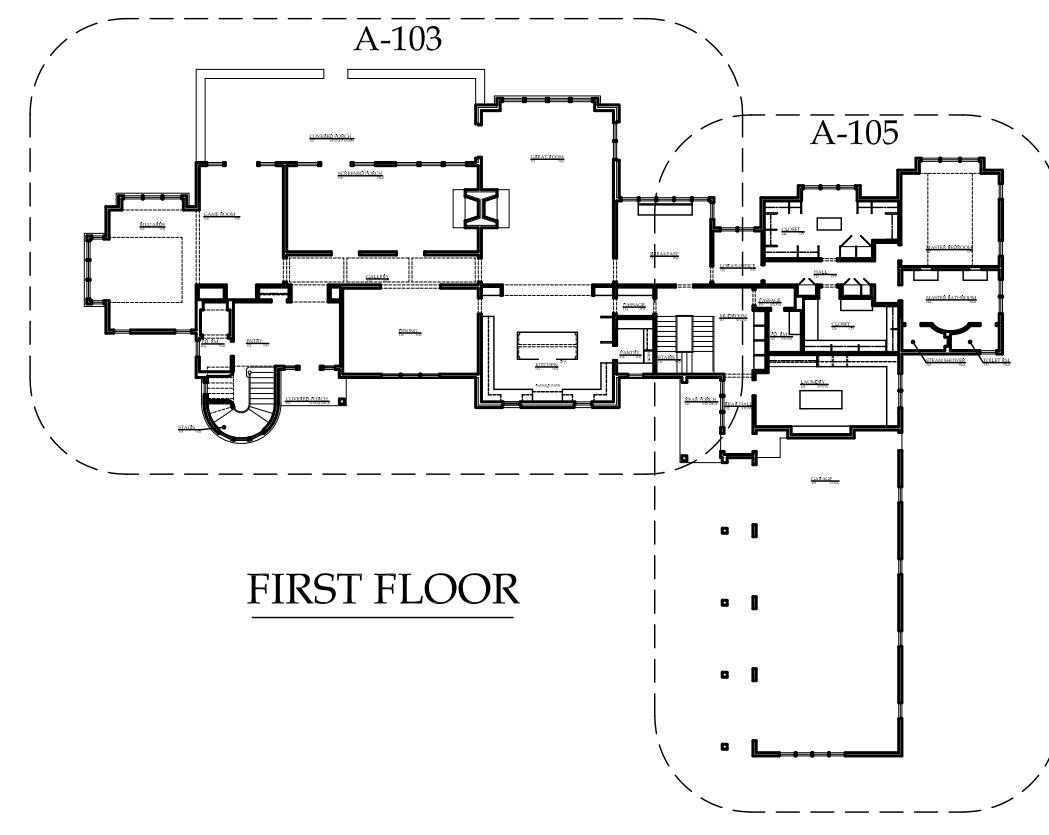
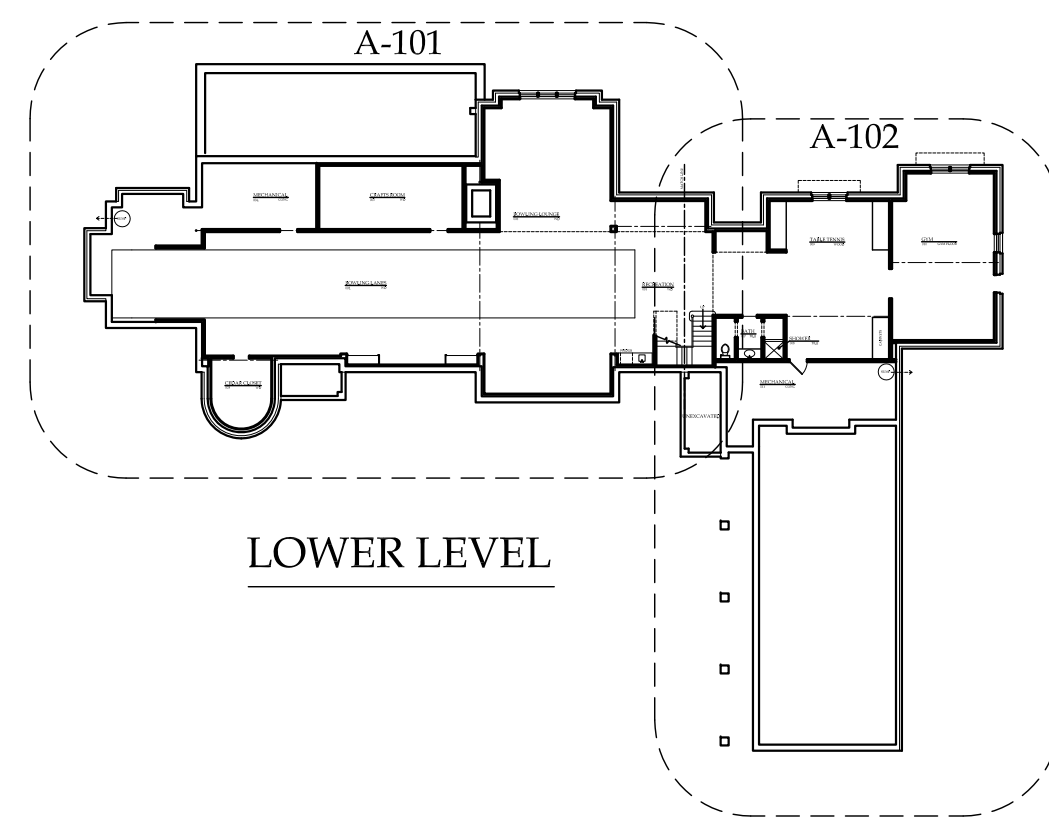


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RESIDENCE

KEY TO ARCHITECTURAL PLAN SHEETS  NORTH



GENERAL NOTES

ENGINEERING NOTES

ALL SPANNING MEMBERS AND KING AND SHOULDER STUDS AT OPENINGS TO BE SPRUCE/PINE/FIR #2 OR BETTER

CEDAR WALL SHINGLES

SAWN CEDAR WALL SHINGLES TO BE EQUIVALENT TO OR BETTER THAN CEDAR SHAKE & SHINGLE BUREAU'S STANDARD FOR 'CERTIGRADE' BLUE LABEL. SHINGLES TO BE 16" LONG BY 5 1/2" (5 BUTTS = 2'), CLEAR HEARTWOOD, 100% EDGE GRAIN WITH NO DEFECTS.

SHINGLES TO BE INSTALLED IN SINGLE COURSE STILE WITH MAX 7" EXPOSURE. NO STAGGERING.

WALLS TO HAVE LACED OUTSIDE CORNERS AND LACED INSIDE CORNERS WITH SELF-ADHERING FLASHING BEHIND.

CEDAR ROOF SHINGLES

SAWN ROOF SHINGLES TO BE EQUIVALENT TO OR BETTER THAN CEDAR SHAKE & SHINGLE BUREAU'S STANDARD FOR 'CERTIGRADE' BLUE LABEL. SHINGLES TO BE CCA TREATED. SHINGLES TO BE 16" LONG X 5, CLEAR HEARTWOOD, 100% EDGE GRAIN WITH NO DEFECTS.

SHINGLES TO BE INSTALLED WITH 4 1/2" - 5" EXPOSURE. NO STAGGERING.

UNDERLAYMENT IS MODIFIED BITUMEN.

METAL FLASHINGS AND GUTTERS

ALL FLASHINGS, DRIP EDGES, AND ACCESSORIES TO BE COPPER. RAIN GUTTERS AND DOWNSPOUT TO BE COPPER. GUTTERS ARE 6" K-STYLE.

BUILDING INFORMATION

GROSS AREAS (SQ.FT.):

HOUSE	
FIRST FLOOR	5485
SECOND FLOOR	4570
LOWER LEVEL (FINISHED)	4350
LOWER LEVEL (UN-FINISHED)	1135
ATTACHED GARAGE	1410
TOTAL HOUSE	16950

BOATHOUSE	
FIRST FLOOR	550

DETACHED GARAGE	
FIRST FLOOR	950
LOWER LEVEL	950

TOTAL ALL AREAS 19400

TOTAL HEATED AND FINISHED SPACE, ALL BUILDINGS (SQ.FT.): 14,955 SQ.FT.

TOTAL CONSTRUCTION AREA, ALL FLOORS, ALL BUILDINGS (SQ.FT.): 19,400 SQ.FT.

SHEET INDEX

SHEET NR.	CONTENTS	REVISIONS	DATE
G-101	INDEX, BUILDING INFORMATION, KEY PLANS		
S-101	FOUNDATION PLAN SOUTH		
S-102	FOUNDATION PLAN NORTH		
S-103	RETAINING WALL PLAN AND SECTIONS		
A-101	LOWER LEVEL PLAN SOUTH		
A-102	LOWER LEVEL PLAN NORTH		
A-103	1ST FL PLAN SOUTH		
A-104	2ND FL PLAN SOUTH		
A-105	1ST FL PLAN NORTH, 2ND FL PLAN NORTH		
A-106	ROOF PLAN		
A-201	EAST ELEVATION		
A-202	SOUTH ELEVATION		
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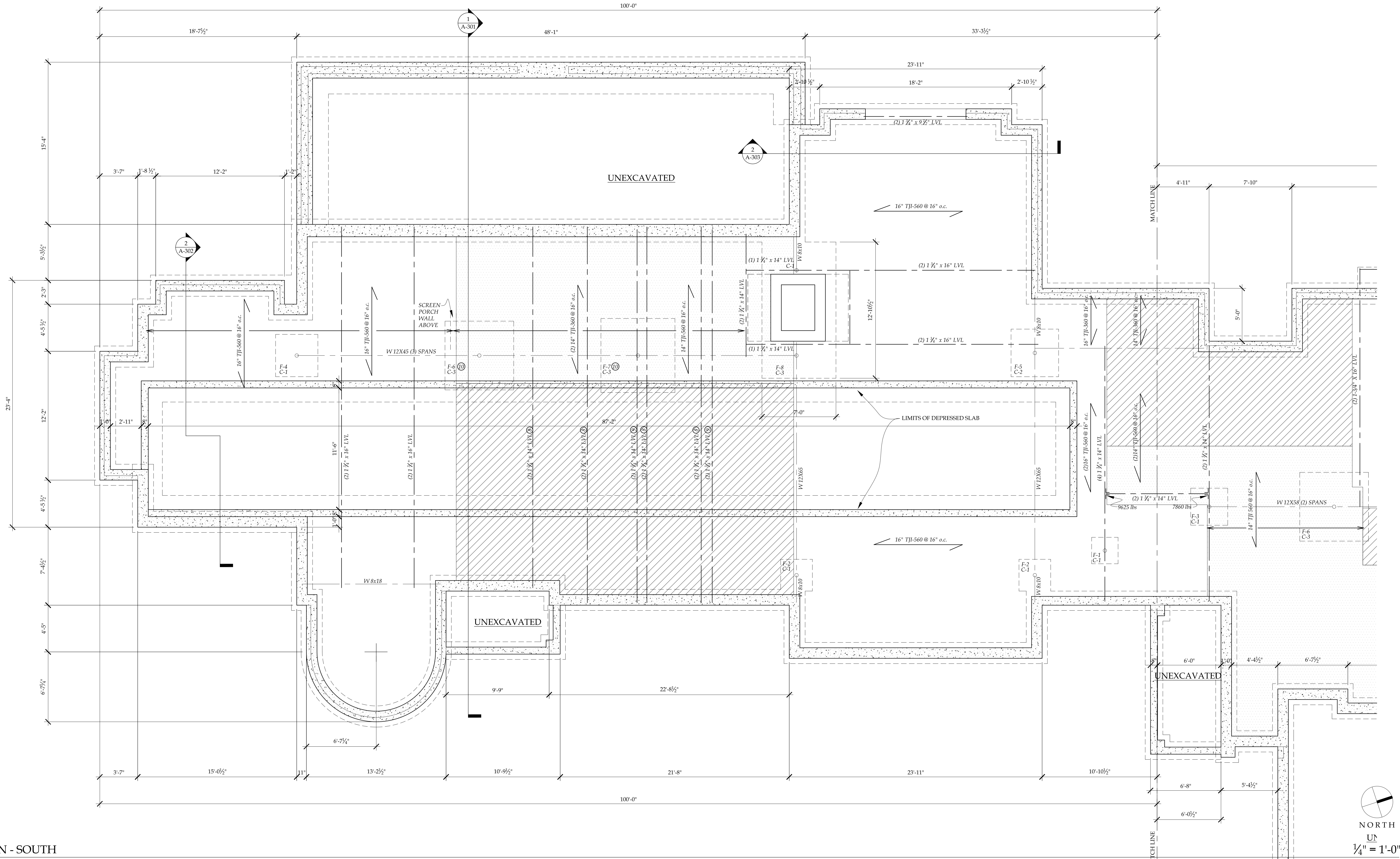
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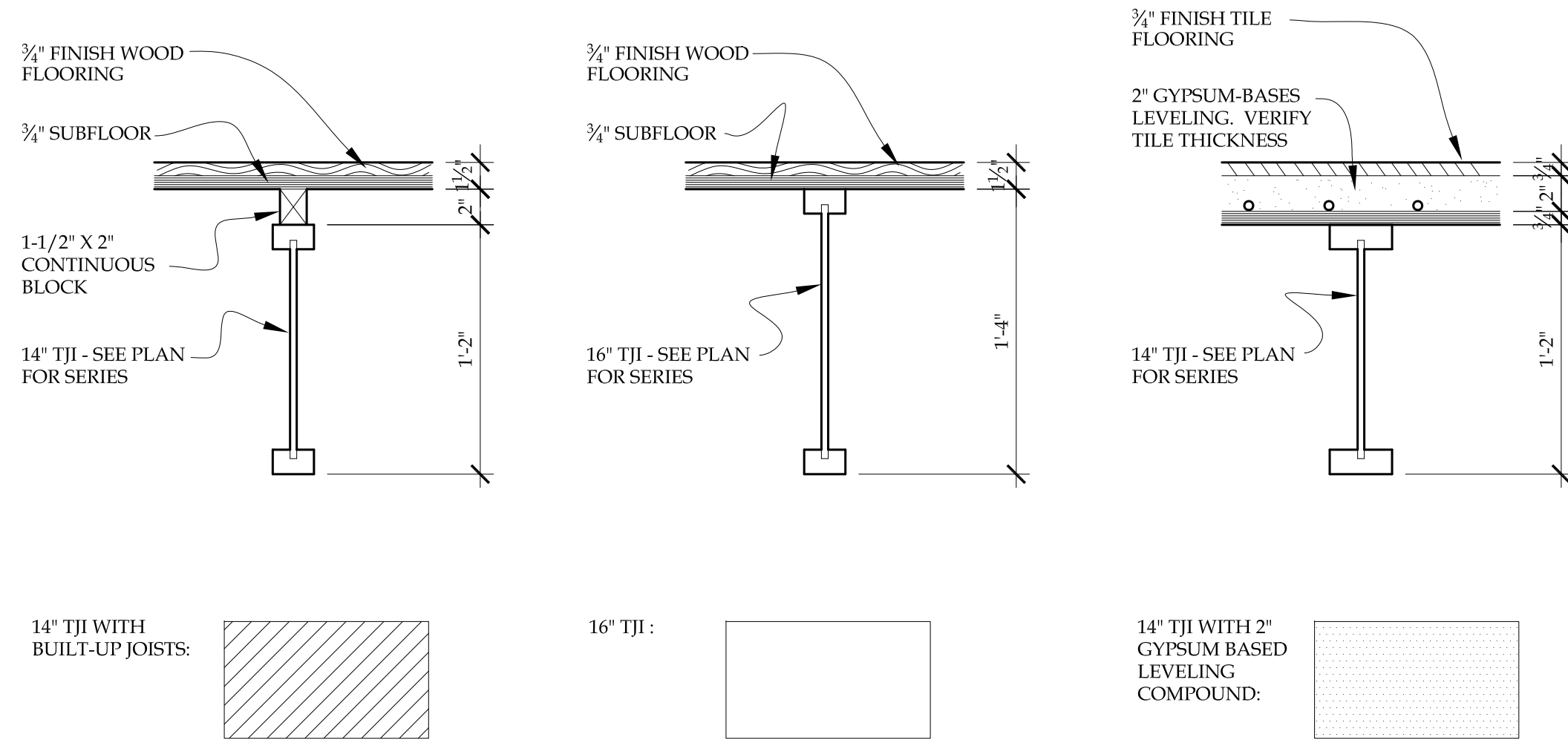
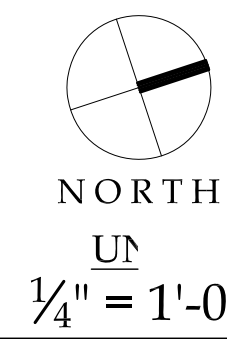
SHEET
G-101

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FOUNDATION PLAN - SOUTH

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FIRST FLOOR JOIST SYSTEMS
SEE STRUCTURAL NOTES ON PLANS FOR TJI SERIES

1 1/2" = 1'-0"

FOOTING SCHEDULE

- F-1 30" X 30" X 12" W/ (3) #5 EACH WAY
- F-2 36" X 36" X 12" W/ (3) #5 EACH WAY
- F-3 42" X 42" X 12" W/ (4) #5 EACH WAY
- F-4 48" X 48" X 12" W/ (4) #5 EACH WAY
- F-5 54" X 54" X 12" W/ (5) #5 EACH WAY
- F-6 78" X 78" X 14" W/ (7) #5 EACH WAY.
- F-7 84" X 84" X 14" W/ (7) #5 EACH WAY.
- F-8 12'-10 1/2" X 7'-0" X 12" W/ #5 @ 12" o.c. EACH WAY. FIREPLACE FOOTING INCORPORATES TWO COLUMN FOOTINGS AND IS INTEGRAL WITH THE PERIMETER FOUNDATION WALL FOOTING.

COLUMN SCHEDULE

- C-1 3 1/2" STD. STEEL PIPE 9.12 LBS/FT. 211" WALL. 8" X 8" X 1/2" BASE PLATE.
- C-2 4" STD. STEEL PIPE 10.8 LBS/FT. 211" WALL. 10" X 10" X 3/4" BASE PLATE.
- C-3 5" EXTRA STRONG STEEL PIPE 20.8 LBS/FT. 349" WALL. 14" X 14" X 1" BASE PLATE.

KEY

- T.O.W. = TOP OF FOUNDATION WALL
- T.O.S.L. = TOP OF EXTERIOR STONE LEDGE
- T.O.I. = TOP OF INTERIOR BEARING LEDGE (FOR SLAB)
- C.J. = SAWN CONTROL JOINT

ELEVATION NOTES

- ELEVATION 100'-0" REFERS TO TOP OF FINISHED FIRST FLOOR
- TYPICAL TOP OF FOUNDATION WALL IS 1'-7" BELOW ELEVATION 100'-0" = ELEVATION 98'-5" SEE FOUNDATION PLAN FOR EXCEPTIONS.
- TOP OF STEEL = TOP OF FOUNDATION WALL

FOUNDATION PLAN NOTES

- 1 ISOLATION JOINT, THROUGH WALL. FULL HEIGHT EXPANSION JOINT IN FACE STONE BOTH SIDES OF WALL.
- 2 IN-SLAB HYDRONIC HEATING TUBES THROUGHOUT BASEMENT FLOOR.
- 3 STEEL POCKET. TOP OF STEEL = TOP OF WALL.
- 4 CANTILEVERED CONCRETE HEARTH ABOVE. SEE DETAIL.
- 5 CONTROL JOINTS BELOW ALL STEEL LINES AND AS SHOWN
- 6 HOUSE FOUNDATION WALL AND LANDSCAPE RETAINING WALL FACE STONE FROM HOUSE FACE STONE WITH FULL HEIGHT EXPANSION JOINT.
- 7 SUMP PUMPS DISCHARGE INTO DRAIN LINE WHICH ALSO COLLECT DOWN SPILLS
- 8 LVL FOR SUPPORT BELOW GALLERY/SCREEN PORCH DOOR JAMBS
- 9 LVL FOR SUPPORT BELOW POINT LOADS FROM LVLS BELOW DORMER WALLS (SEE FIRST FLOOR PLAN.)
- 10 LOWER COLUMN PAD TO AVOID INTERFERENCE WITH BOWLING ALLEY DEPRESSED SLAB. SEE SECTION 1/A-301

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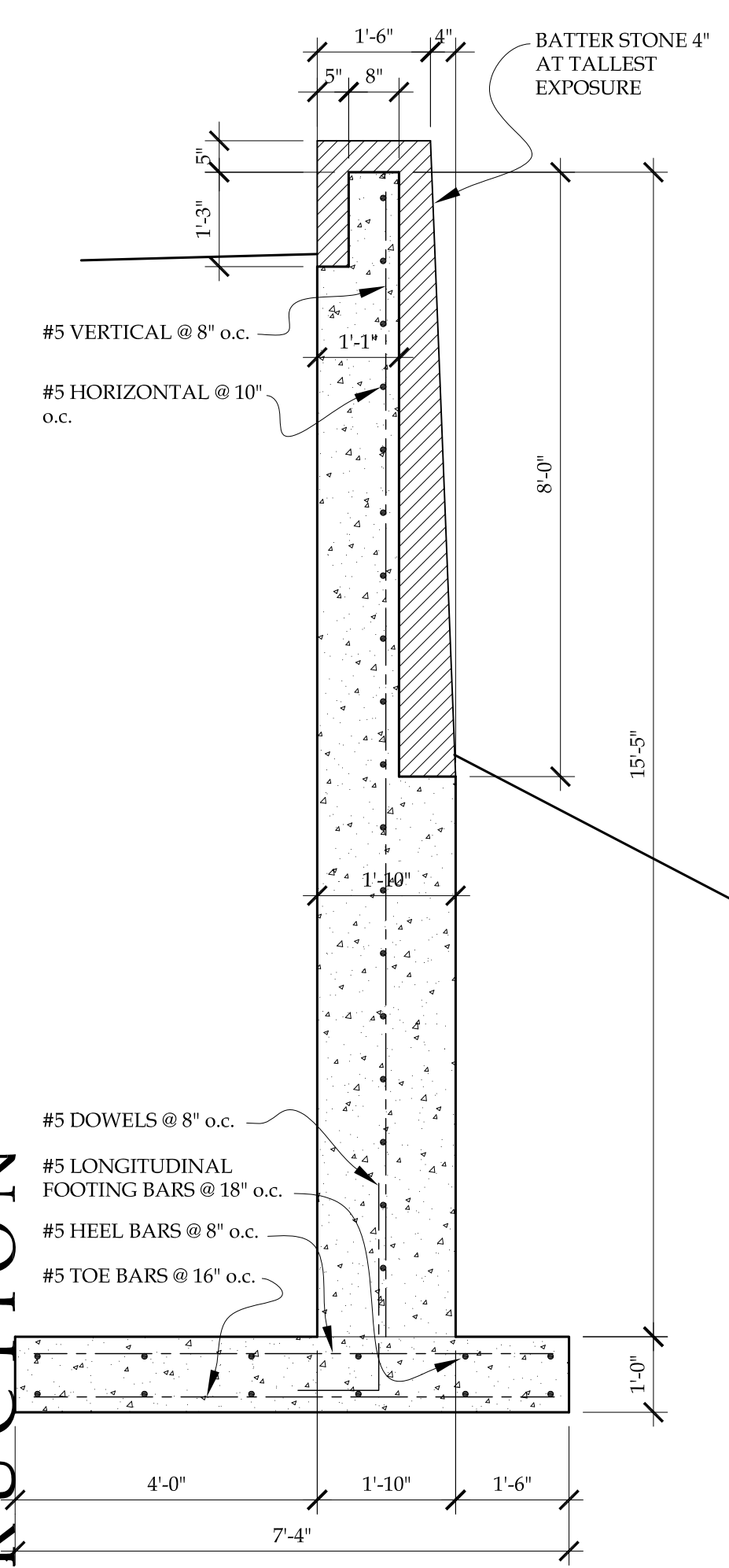
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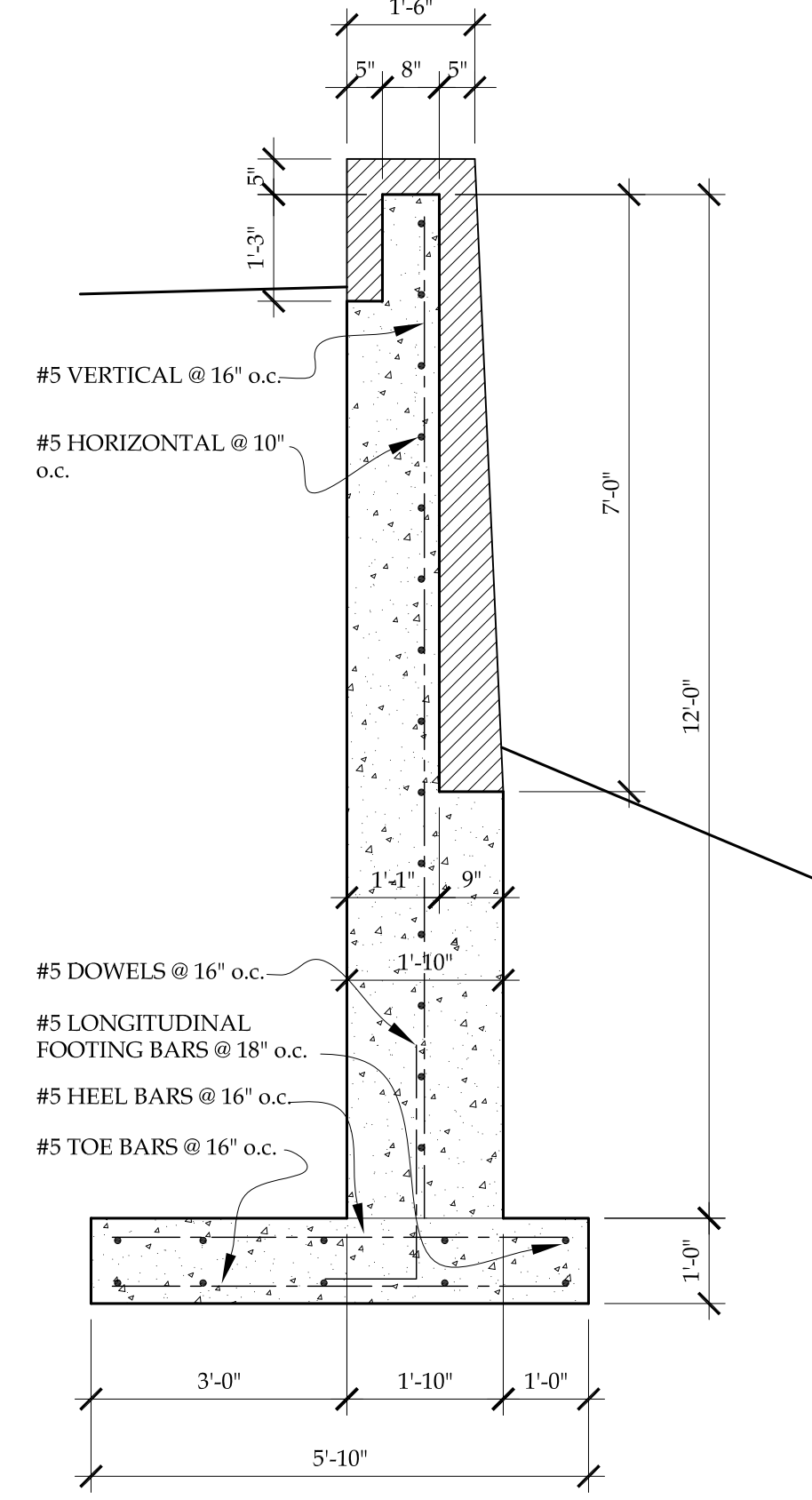
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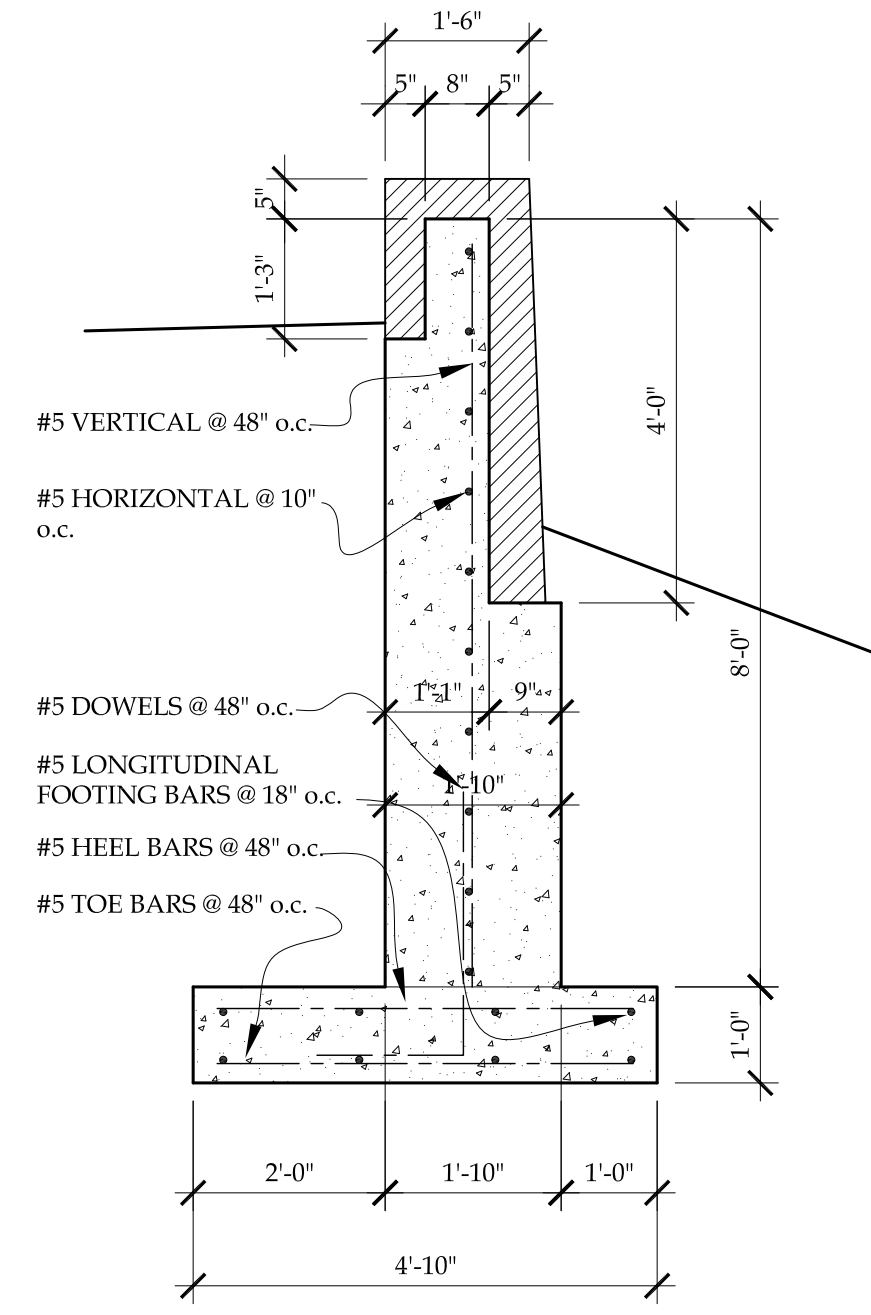
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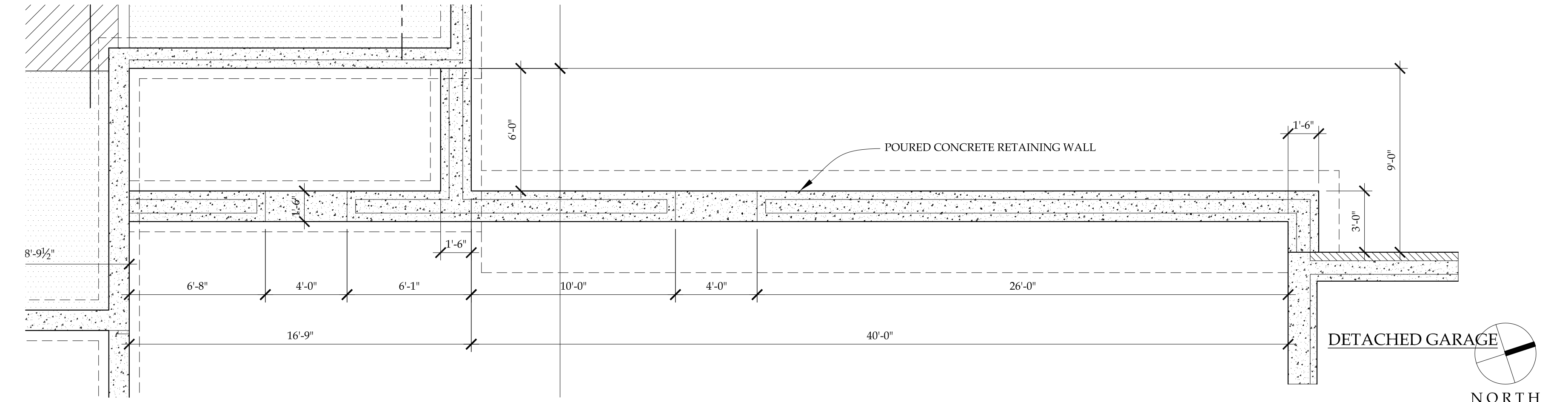
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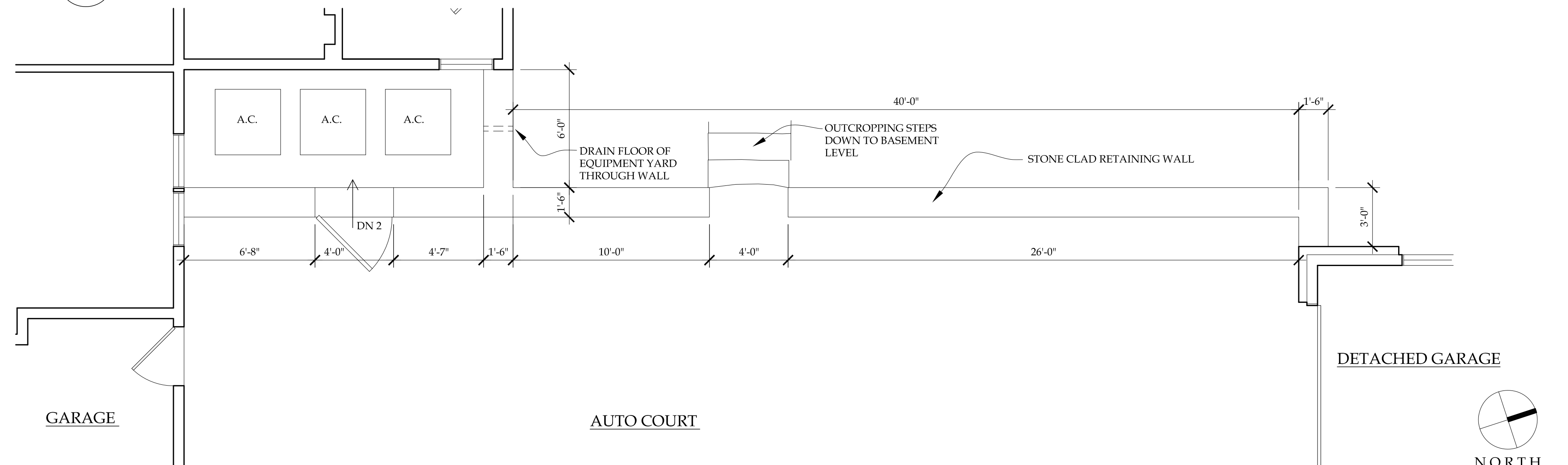
2 WALL SECTION 1/2" = 1'-0"



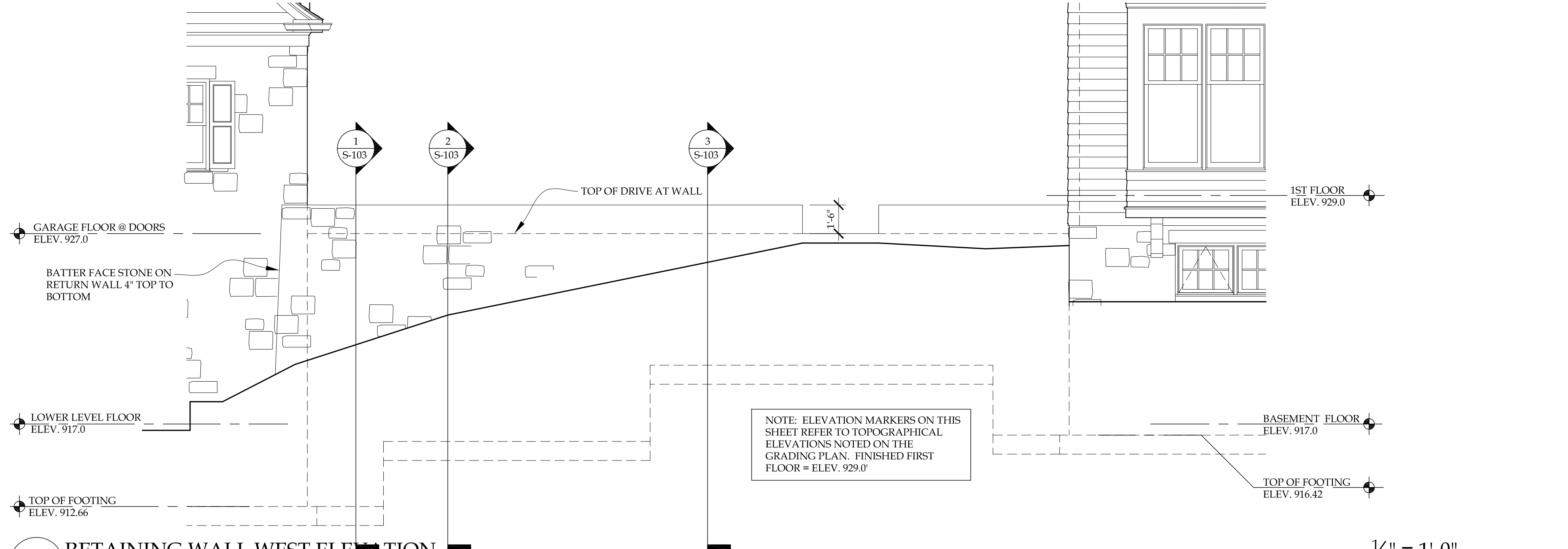
3 WALL SECTION 1/2" = 1'-0"



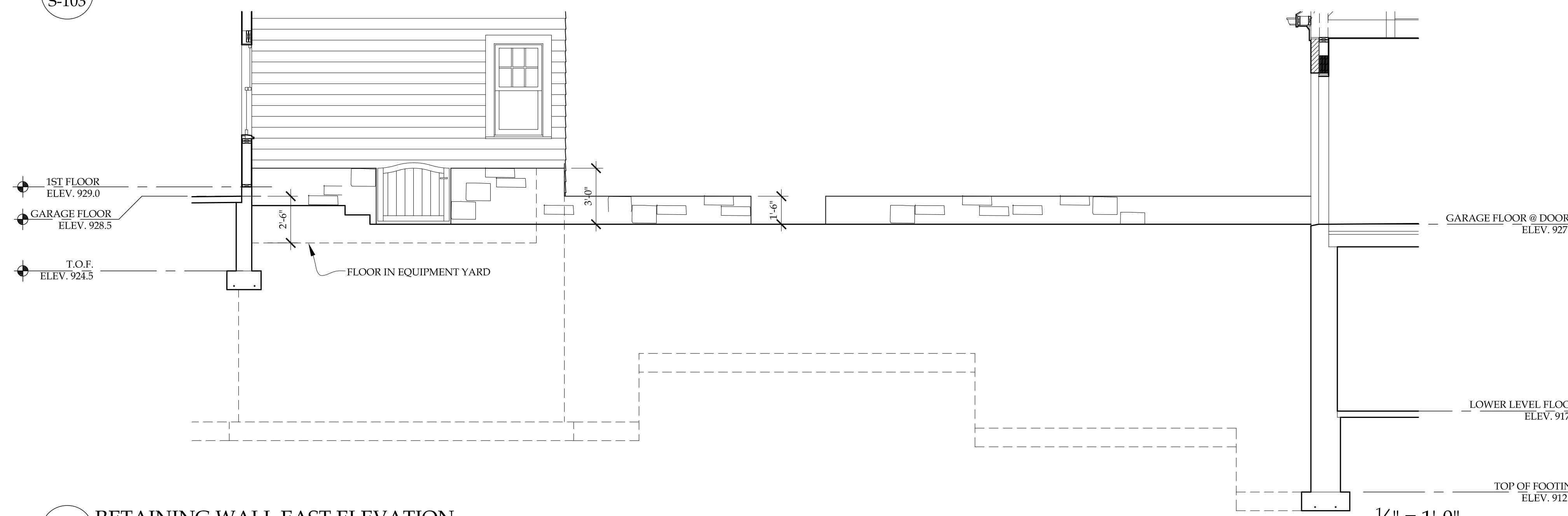
4 RETAINING WALL FOUNDATION PLAN 1/4" = 1'-0"



5 RETAINING WALL PLAN 1/4" = 1'-0"



6 RETAINING WALL WEST ELEVATION 1/4" = 1'-0"



7 RETAINING WALL EAST ELEVATION 1/4" = 1'-0"

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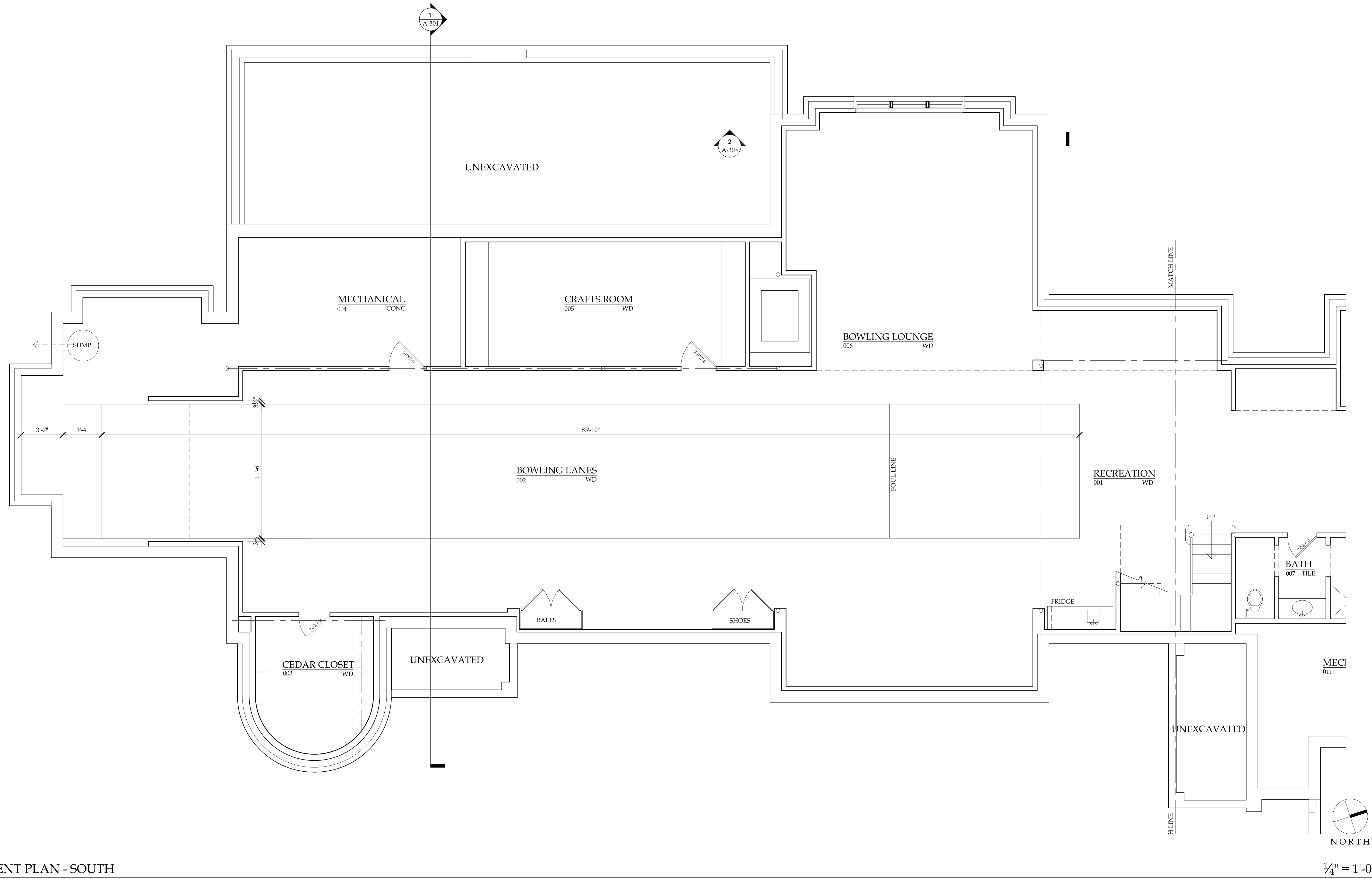
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BASEMENT PLAN - SOUTH

1/4" = 1'-0"

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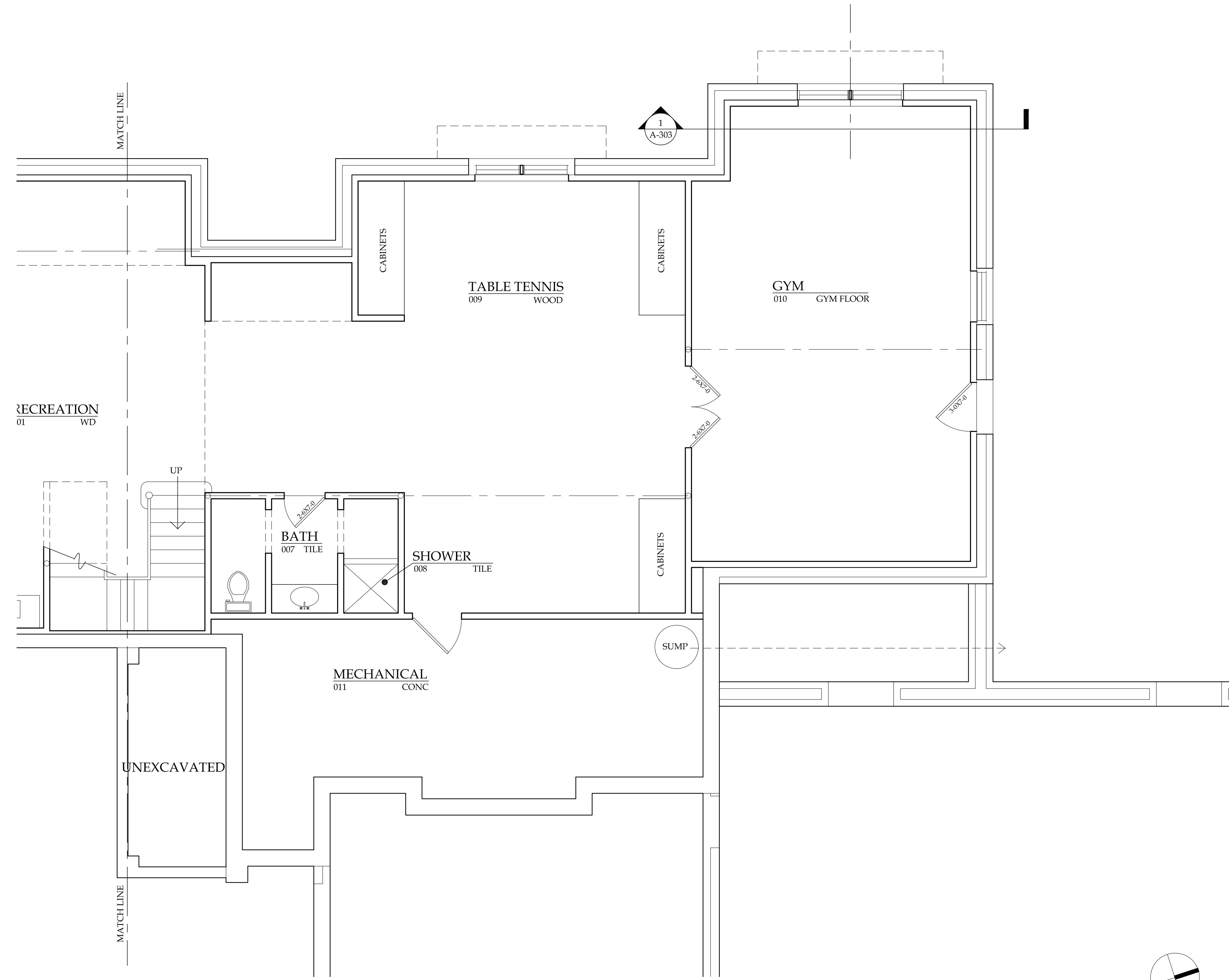
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BASEMENT PLAN - NORTH



NORTH

1/4" = 1'-0"

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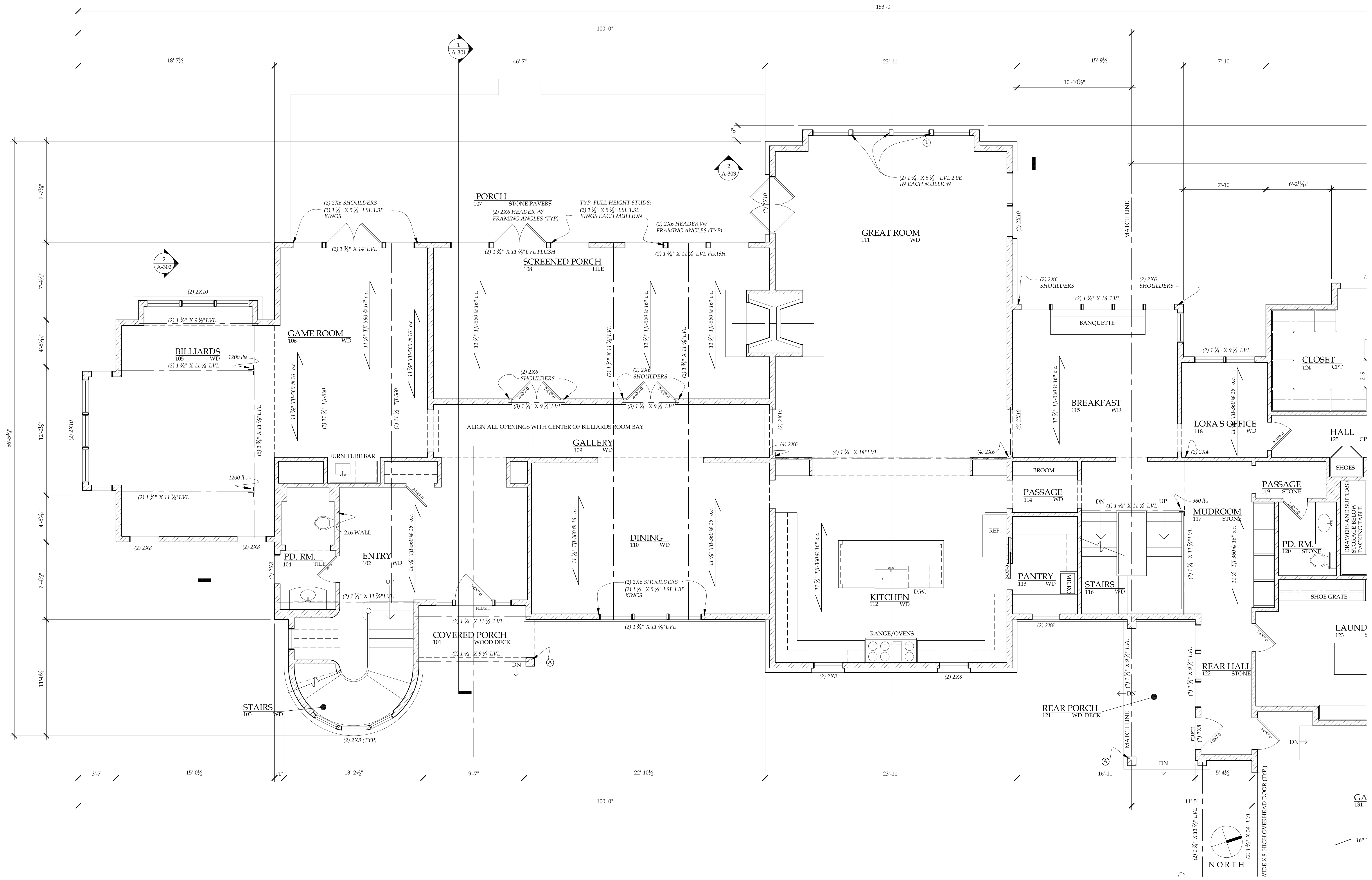
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FIRST FLOOR PLAN - SOUTH

1/4" = 1'-0"

FIRST FLOOR PLAN NOTES

- ① PROVIDE FULL EXTENSION JAMBS AT ALL WINDOWS IN GREAT ROOM BAY

FIRST FLOOR STRUCTURAL NOTES

- Ⓐ TYP. BEAM TO POST CONNECTION: TOP: (2) H2.5ATIES, BASE: POST-BASE ABU66Z (NAILED)

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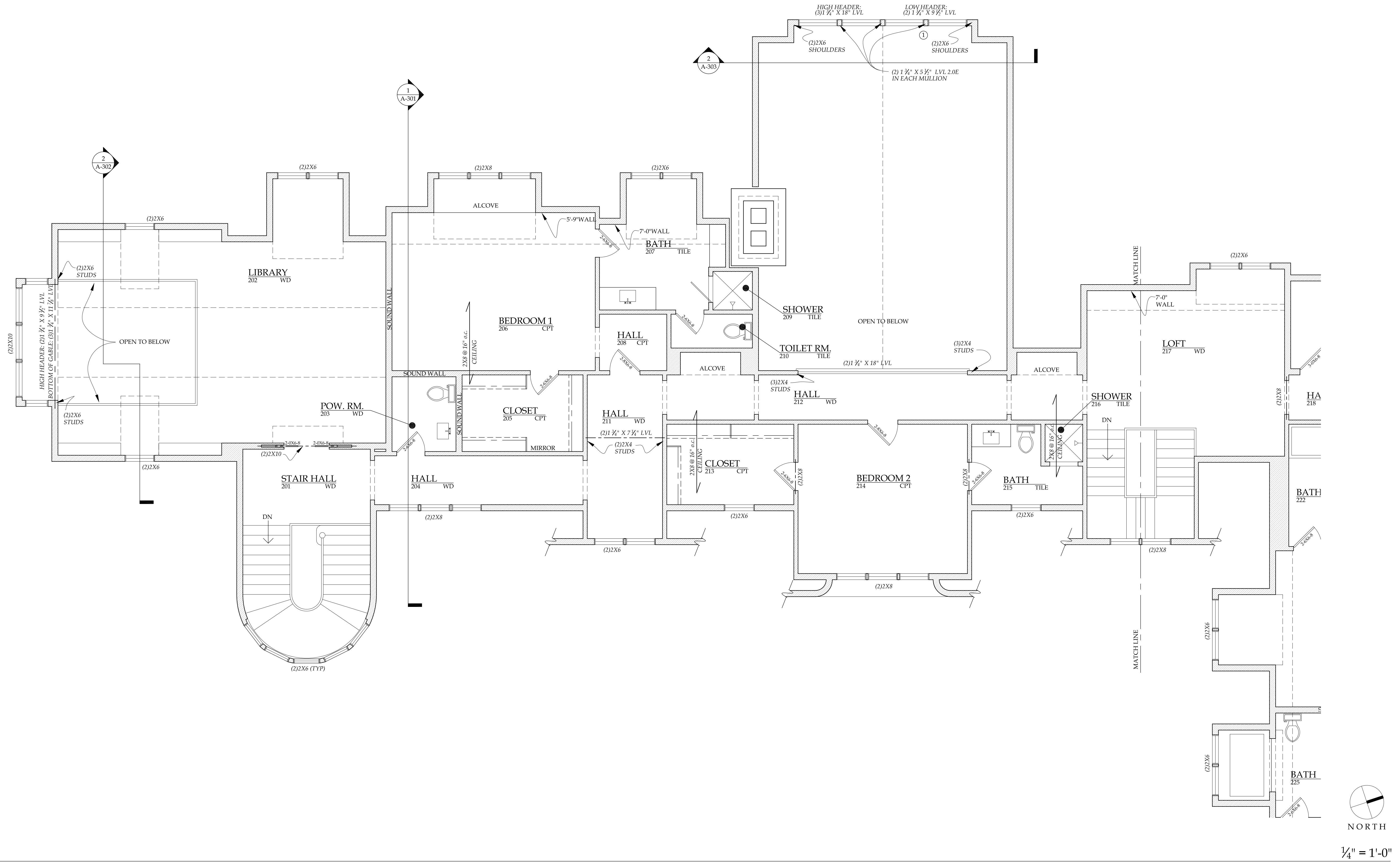
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SECOND FLOOR PLAN - SOUTH



SECOND FLOOR PLAN NOTES

- ① PROVIDE FULL EXTENSION JAMBS AT ALL WINDOWS IN BAY

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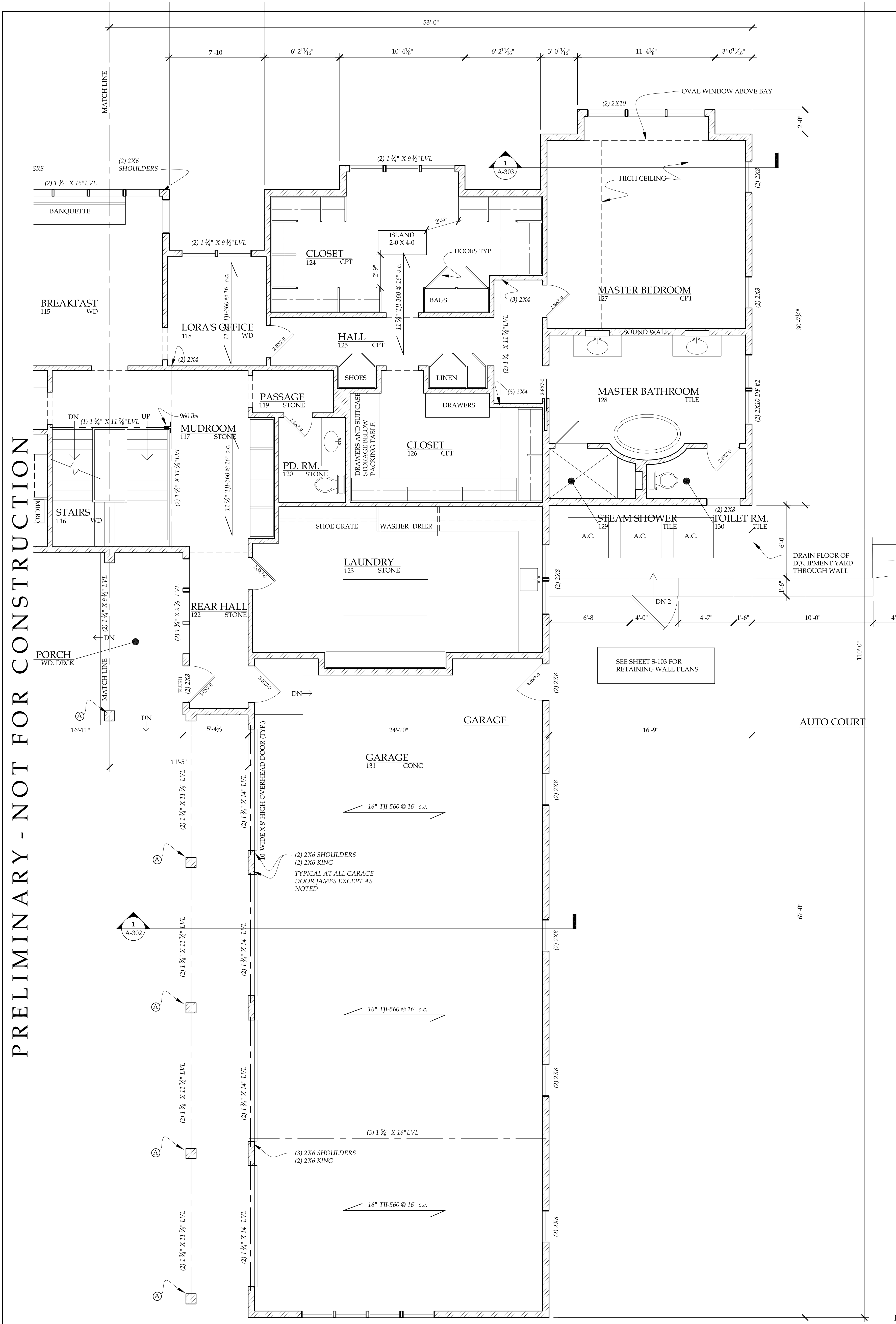
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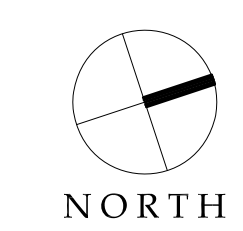
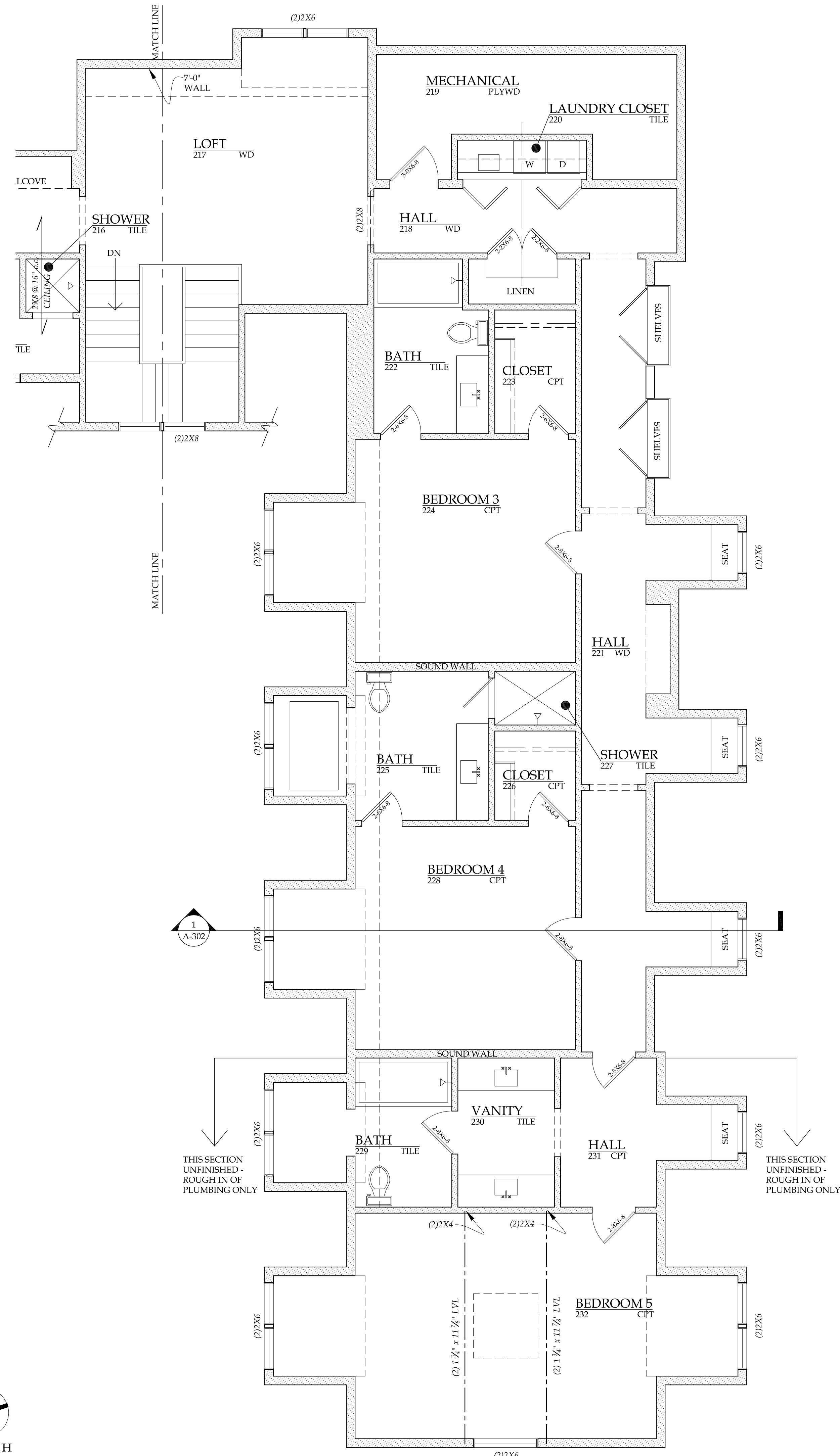
FIRST FLOOR PLAN - NORTH



1/4" = 1'-0"

FIRST FLOOR STRUCTURAL NOTES

(A) TYP. BEAM TO POST CONNECTION: TOP: (2) H2.5 SATIES, BASE: POST-BASE ABU66Z (NAILED)



1/4" = 1'-0"

SECOND FLOOR PLAN - NORTH

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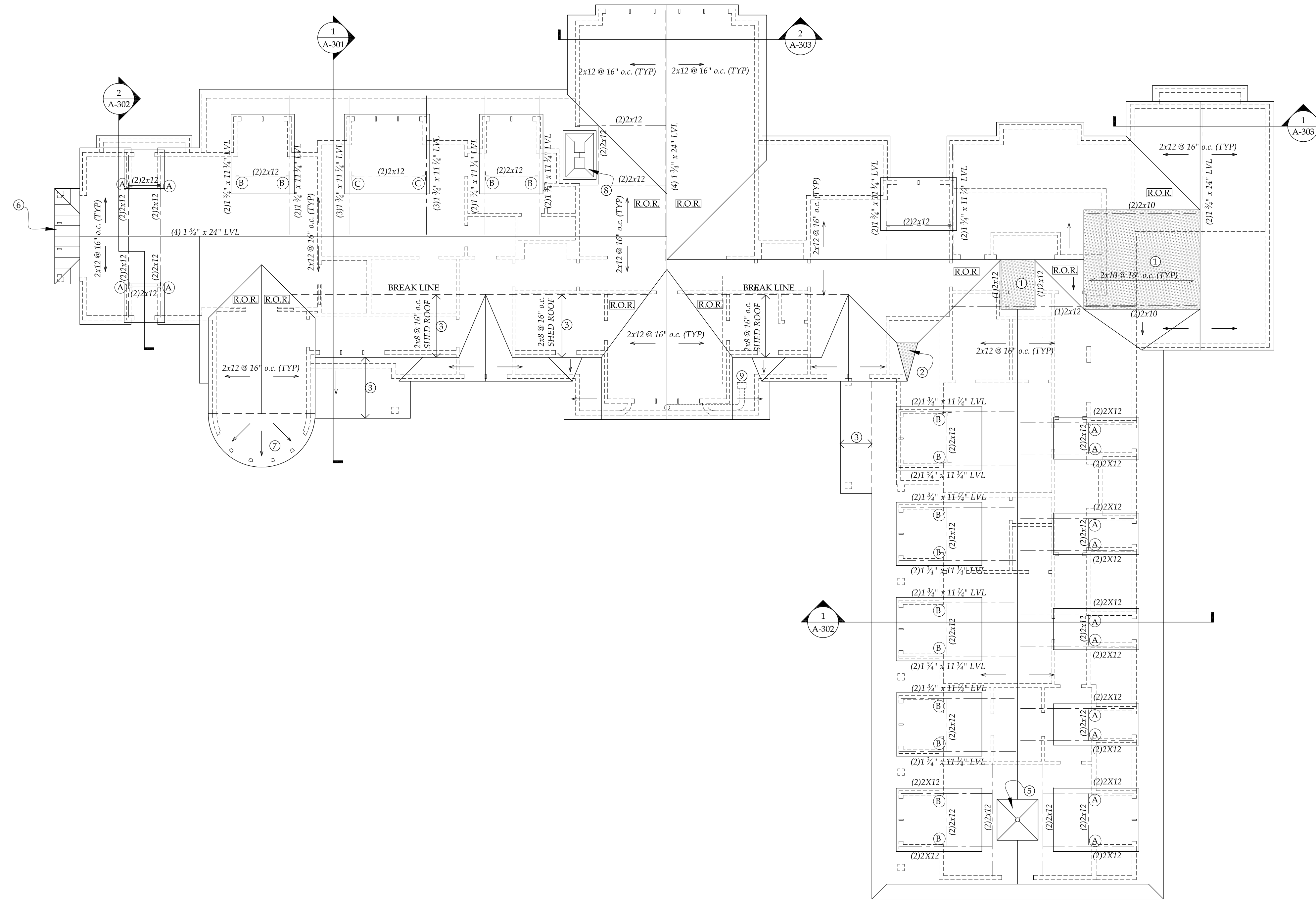
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ROOF PLAN



1/8" = 1'-0"

KEYED ROOF PLAN NOTES

- ① LOW PITCHED EPDM ROOF. SEE CONSTRUCTION KEY. CREATE MINIMUM 1/4" PER FOOT PITCH TO ALL EXTERIOR EDGES. ALL VISIBLE EDGES WHERE EPDM MEETS CEDAR SHINGLES MUST BE HORIZONTAL.
- ② COPPER SADDLE
- ③ CURVED (SWOOPED) CEDAR SHINGLE ROOF. SEE SECTION. TRANSITION AT BREAK LINE MUST BE SMOOTH SO NO VISIBLE BREAK IS DISCERNABLE WHEN VIEWED FROM THE GROUND.
- ④ COPPER GUTTER. 6" K-STYLE
- ⑤ CUPOLA ROOF. SOLDERED CURVED COPPER ROOF. SEE DETAILS.
- ⑥ STANDING SEAM COPPER ROOF. SEE CONSTRUCTION KEY.
- ⑦ ROUNDED CEDAR SHINGLE ROOF
- ⑧ POURED IN PLACE CONCRETE CHIMNEY CAP. PITCH WASH IN ALL FOUR DIRECTIONS.
- ⑨ KITCHEN HOOD VENT TERMINATION ON NORTH SIDE OF ROOF

ROOF STRUCTURAL NOTES

HANGER SCHEDULE (LOAD CAPACITY)

- A 1020 lbs
- B 1550 lbs
- C 2100 lbs

LVL CONNECTIONS

CONNECT (a) 1 1/2" X 24" LVLs WITH (b) ROWS OF 6 3/4" TRUSSLOK 16" o.c.

ROOF OVER ROOF CONSTRUCTION

[R.O.R.] INDICATES ROOF OVER ROOF FRAMING

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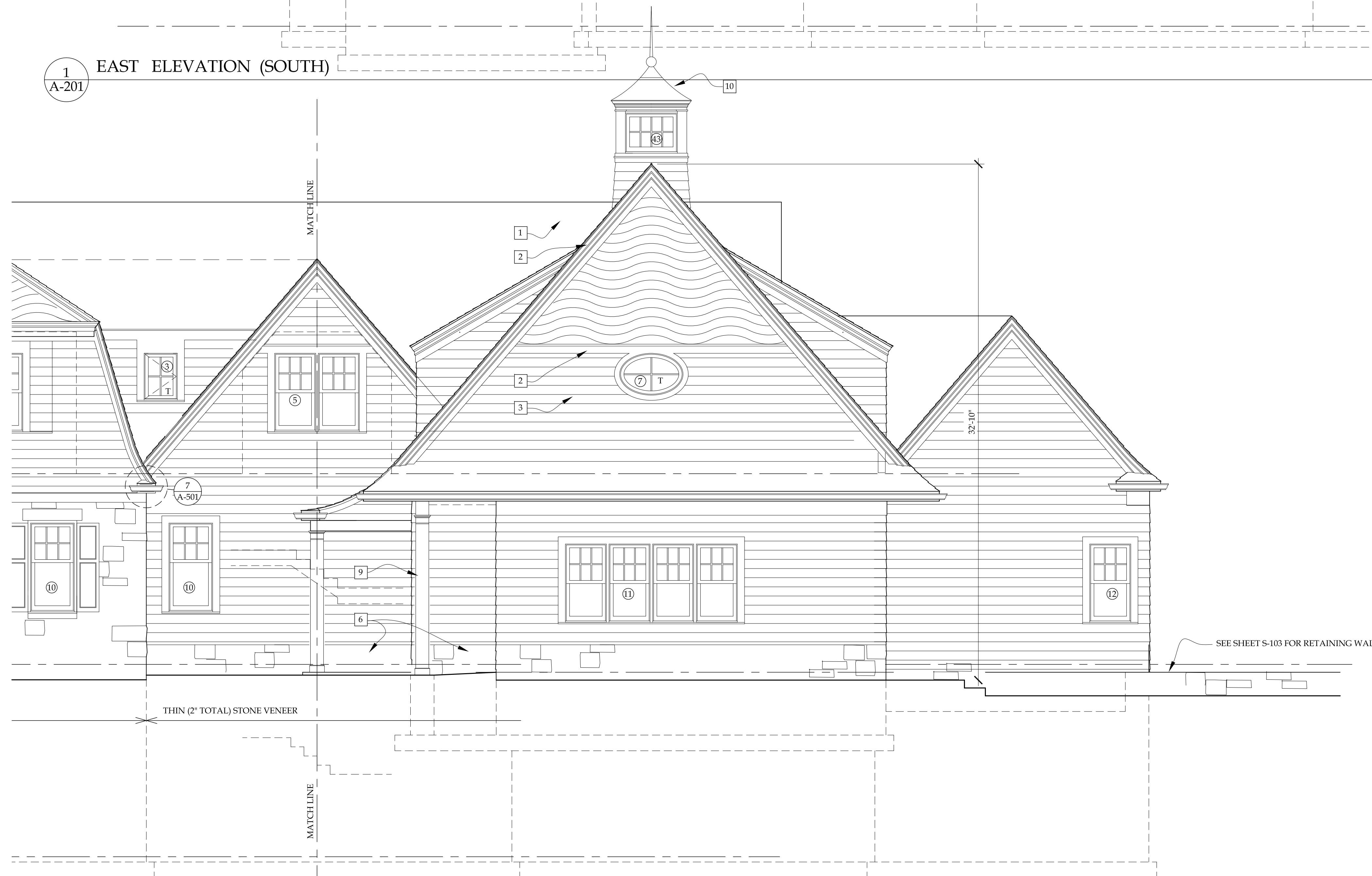
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1 EAST ELEVATION (SOUTH)

1/4" = 1'-0"



2 EAST ELEVATION (NORTH)

1/4" = 1'-0"

EXTERIOR MATERIALS KEY

- 1 SAWN CEDAR SHINGLES
- 2 SMOOTH CEDAR TRIM, PAINTED
- 3 SAWN CEDAR WALL SHINGLES, STAINED
- 4 WOOD DOUBLE HUNG WINDOW, PAINTED
- 5 COPPER GUTTERS AND DOWN SPOUTS
- 6 FACE STONE
- 7 SOLID SMOOTH CEDAR BRACKET, PAINTED
- 8 OVERHEAD DOOR, PAINTED
- 9 SMOOTH WOOD COLUMN, PAINTED
- 10 COPPER ROOF AND FINIAL
- 11 SMOOTH CEDAR WINDOW TRIM, PAINTED

KEYED ELEVATION NOTES

- A CUSTOM MILLWORK ENTRY SYSTEM

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1 SOUTH ELEVATION

1/4" = 1'-0"



2 PARTIAL SOUTH ELEVATION @ REAR PORCH

1/4" = 1'-0"

EXTERIOR MATERIALS KEY

- 1 SAWN CEDAR SHINGLES
- 2 SMOOTH CEDAR TRIM, PAINTED
- 3 SAWN CEDAR WALL SHINGLES, STAINED
- 4 WOOD DOUBLE HUNG WINDOW, PAINTED
- 5 COPPER GUTTERS AND DOWN SPOUTS
- 6 FACE STONE
- 7 SOLID SMOOTH CEDAR BRACKET, PAINTED
- 8 OVERHEAD DOOR, PAINTED
- 9 SMOOTH WOOD COLUMN, PAINTED
- 10 COPPER ROOF AND FINIAL
- 11 SMOOTH CEDAR WINDOW TRIM, PAINTED

KEYED ELEVATION NOTES

- A CUSTOM MILLWORK DOOR

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A-202

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1 WEST ELEVATION (NORTH)

1/4" = 1'-0"



2 WEST ELEVATION (SOUTH)

1/4" = 1'-0"

EXTERIOR MATERIALS KEY

- 1 SAWN CEDAR SHINGLES
- 2 SMOOTH CEDAR TRIM, PAINTED
- 3 SAWN CEDAR WALL SHINGLES, STAINED
- 4 WOOD DOUBLE HUNG WINDOW, PAINTED
- 5 COPPER GUTTERS AND DOWN SPOUTS
- 6 FACE STONE
- 7 SOLID SMOOTH CEDAR BRACKET, PAINTED
- 8 OVERHEAD DOOR, PAINTED
- 9 SMOOTH WOOD COLUMN, PAINTED
- 10 COPPER ROOF AND FINIAL
- 11 SMOOTH CEDAR WINDOW TRIM, PAINTED

KEYED ELEVATION NOTES

- A CUSTOM SCREEN PANELS AND DOORS. SEE DETAILS.

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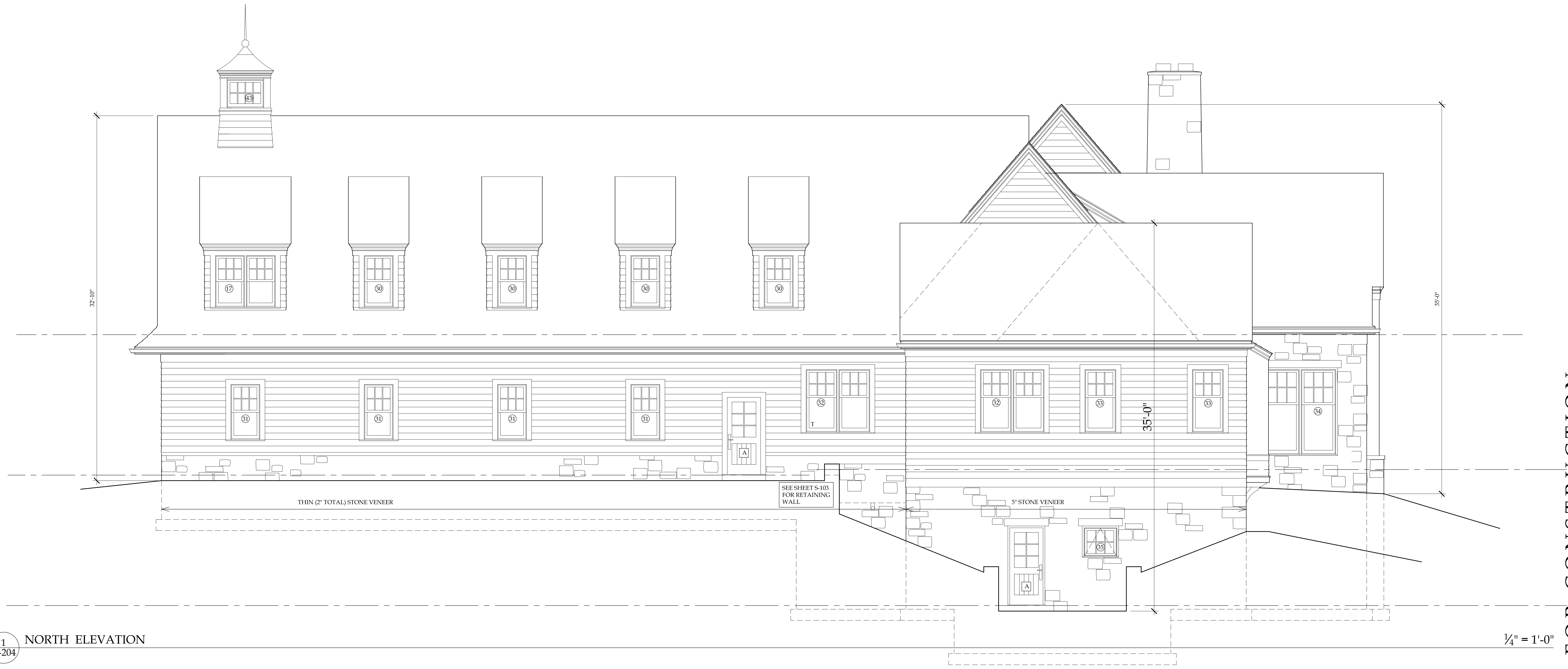
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1 NORTH ELEVATION
A-204

1/4" = 1'-0"

EXTERIOR MATERIALS KEY

- 1 SAWN CEDAR SHINGLES
- 2 SMOOTH CEDAR TRIM, PAINTED
- 3 SAWN CEDAR WALL SHINGLES, STAINED
- 4 WOOD DOUBLE HUNG WINDOW, PAINTED
- 5 COPPER GUTTERS AND DOWN SPOUTS
- 6 FACE STONE
- 7 SOLID SMOOTH CEDAR BRACKET, PAINTED
- 8 OVERHEAD DOOR, PAINTED
- 9 SMOOTH WOOD COLUMN, PAINTED
- 10 COPPER ROOF AND FINIAL
- 11 SMOOTH CEDAR WINDOW TRIM, PAINTED

KEYED ELEVATION NOTES

- A CUSTOM MILLWORK DOOR

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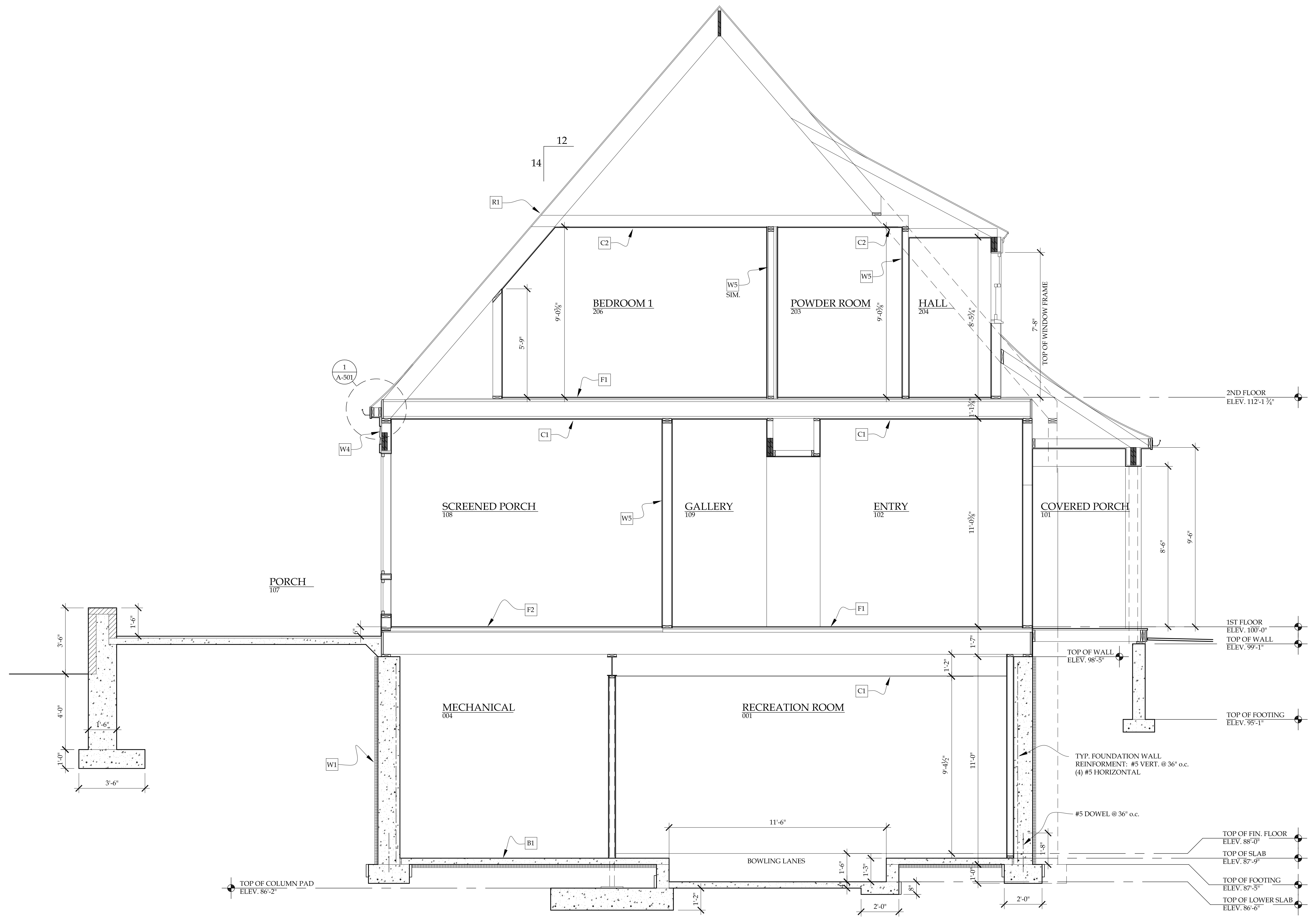
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3/8" = 1'-0"

1 A-301 BUILDING SECTION

CONSTRUCTION KEY

ALSO SEE ASSOCIATED DETAILS. SEE SHEET S-101 AND S-102 FOR STRUCTURAL FLOOR ASSEMBLY TYPES

- W1 Foundation Wall - See also Foundation Plan and Sections for reinforcing notes.**
 - 12" deep continuous concrete footing w/ (2) #5 continuous rebar. (see plan for width.)
 - 11'-0" poured concrete foundation wall, except as noted. (see plan for reinforcing, thickness, and stone ledges)
 - Water proofing system w/ 8-10 min. rigid insulation / protection board.
 - Clean stone backfill to 12" below final grade.
 - 4" PVC drain tile both sides of footing w/ bleeders @ 8'-0" o.c.; filter fabric sock and 12" min. cover of washed stone. Alternate: 8" min. Form-A-Drain system.
 - 2x6 PPT sill plate on sill sealer w/ 1/2" x 8" galv. anchor bolts @ 48" o.c. embedded 5" min.
 - Sprayed-in foam insulation at sill box.
 - See drawings for lower level build-out locations and details.
- W2 Foundation Wall - With thin Veneer Stone.**
 - Same as above. See sections and details for thin stone veneer application. See elevations and plans for locations.
- W3 Exterior Wall Construction (Full Weight Stone)**
 - 5" stone veneer. Masonry ties @ 16" vertical & horizontal.
 - Provide flashings @ all penetrations & openings (thru-wall @ grade w/ 3/8" tubes & wicks @ 24" o.c.)
 - 1/2" airspace w/ 1/2" cont. mortar netting at bottom.
 - Flashings to be self adhesive Form-A-barrier rubberized asphalt and polyethylene composite membrane by Grace (or sim.).
 - 30 lb building felt or air infiltration barrier.
 - 1/2" APA rated plywood wall sheathing, exposure 1.
 - 2x6 studs @ 16" o.c.
 - R-21 unfaced batt insulation.
 - 6 mil poly vapor barrier.
 - See finish schedule for interior finishes
- W4 Exterior Wall Construction (Sawn Cedar Shingles)**
 - Sawn cedar shingles. See General Notes on sheet G-101 for specifications.
 - Air infiltration barrier.
 - Provide metal flashings and drips at all window heads, sills, and at all penetrations & openings as required.
 - 1/2" APA plywood wall sheathing, exposure 1.
 - 2x6 studs @ 16" o.c.
 - R-21 unfaced batt insulation.
 - 6 mil vapor barrier.
 - See finish schedule for interior finishes.

- W5 Interior Wood Frame Walls**
 - 2x4 studs @ 16" o.c. (or as shown on plan).
 - 1/2" plaster base w/ 2 coat veneer plaster finish. (see finish schedule for locations.) 3/8" type X gypsum board at garage/house wall and ceilings.
 - 4" R-11 batt insulation @ all bathroom & bedroom walls.
 - Bed-in all soil stacks w/ sound batt insulation in walls, floors & ceilings.
- W6 Hard Tile Wall Construction**
 - Construct in accordance with TCNA handbook for ceramic tile installation W24C-13.
 - Hard tile set in Portland cement bond coat.
 - 1/2" cementitious backer board or other approved tile backer for non-shower locations. (Verify thickness of adjacent wall finish.)
- C1 Ceiling Construction (finished basement areas)**
 - 3/8" gypsum board w/ applied finish texture.
 - Batt insulation below all bathrooms on 1st floor.
- C2 Ceiling Construction (1st and 2nd floor)**
 - 1/2" plaster base w/ 2 coat veneer plaster finish.
 - 6 mil poly vapor barrier at ceiling/roof or attic assemblies.
 - R-38 batt insulation @ sloped exterior ceilings.
 - R-50 blown-in insulation @ flat ceilings.
 - 1 1/2" (min) vent baffles @ each rafter space throughout at roof / wall connections & at cathedral ceilings.
- B1 Basement Floor Construction**
 - Finish floor as indicated on plans.
 - 3/4" APA-rated subflooring
 - Pressure preservative treated 2x4 wood sleepers laid flat 16" o.c.
 - 1 1/2" CopCrete w/ hydronic heating tubes between sleepers.
 - 4" concrete slab w/ 6/66 / 1.4x1.4 WWM reinforcing (sheets).
 - 6 mil poly vapor barrier.
 - 2" rigid insulation below and 1" rigid insulation at edges
 - Min. 6" compacted granular fill.
 - Provide 1/2" expansion joints at all penetrations.
 - Provide control joints as required and as indicated on Foundation plan.
 - See details for wood floor in finished areas.

- B2 Garage Floor Construction**
 - 4" concrete slab w/ 6/66 / 1.4x1.4 WWM reinforcing (sheets).
 - Pitch to drains. See plan. Epoxy finish coating.
 - Hydronic heating tubes.
 - 2" rigid insulation below and 1" rigid insulation at edges.
 - Min. 6" compacted granular fill.
 - Provide control joints as required and as shown on plans.
- F1 Typical Floor Construction**
 - Carpet or hardwood as scheduled.
 - 3/8" (7/8) particle board underlayment for carpet. Verify carpeting & pad thickness w/ owner.
 - 15 lb felt.
 - 3/4" APA rated T&G subfloor (glued & nailed).
 - Batt insulation below all bathrooms.
 - Batt insulation below all hallways.
- F2 Hard Tile Floor Construction**
 - Construction in accordance w/ TCNA handbook for ceramic tile installation RH 123-13.
 - Hard tile in bond coat.
 - 1 1/2" Gycrete with hydronic heating tubes.
 - Primer per manufacturer's specifications.
 - 3/4" APA rated T & G subfloor (glued & nailed).
 - Structure as indicated on plans.
- E3 Hard Tile Shower Floor**
 - Shower Floor (Follow TCNA Handbook B-441)
 - Hard tile in bond coat.
 - Portland cement mortar bed w/ reinforcing.
 - Shower pan on membrane.
 - 3/4" APA rated T&G plywood subfloor (glued & nailed).
 - Structure as shown on plan.
 - Shower Wall (Follow TCNA Handbook B-441)
 - Hard tile in bond coat.
 - Cement plaster over metal lath.
 - Wood studs and backer board

- R1 Roof Construction**
 - Continuous ridge vents. Shingle over.
 - Sawn cedar shingles. See sheet S-101 for specifications.
 - 30 lb roofing felt or approved underlayment.
 - Ice & water shield membrane - (at eaves, extend min. 3'-0" up roof beyond perimeter of exterior walls of heated areas) (at valleys, extend up each side of roof min. 30").
 - Copper roof flashings: Valleys, edges, roof/wall, etc.
 - 3/8" APA rated exterior roof sheathing (exposure 1) w/ H-clips.
 - Structure as shown on plan and sections.
 - 1 1/2" (min) vent baffles @ each rafter space throughout at roof / wall connections & at cathedral ceilings.
- R2 Low Pitched Roof Construction**
 - Fully-adhered 60 mil EPDM single-ply roof membrane.
 - Install over mechanically fastened 1/2" fiberboard underlayment (approved by membrane manuf.). Utilize all materials, flashings & accessories approved by manufacturer.
 - Perfined metal flashing - per manuf. flashing requirements.
 - 3/4" APA rated T & G plywood roof sheathing (exposure 1), glued & screwed. (min. 1/4" per ft. slope).
 - See roof plan for locations.
 - Structure as shown on plan and sections.
- R3 Copper Roof Construction**
 - Ice, copper standing seam roofing.
 - Rosin paper or other approved slip sheet.
 - 30 lbs. roofing felt
 - 3/4" APA rated T & G plywood roof sheathing (exposure 1), glued & screwed
 - Sprayed-in close-cell foam insulation
 - Structure as shown on plan and sections.

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DATE 02-27-2017
DRAWN BY J. HANSEN
CHECKED BY J. HANSEN
PROJECT NO. 1607

A-301

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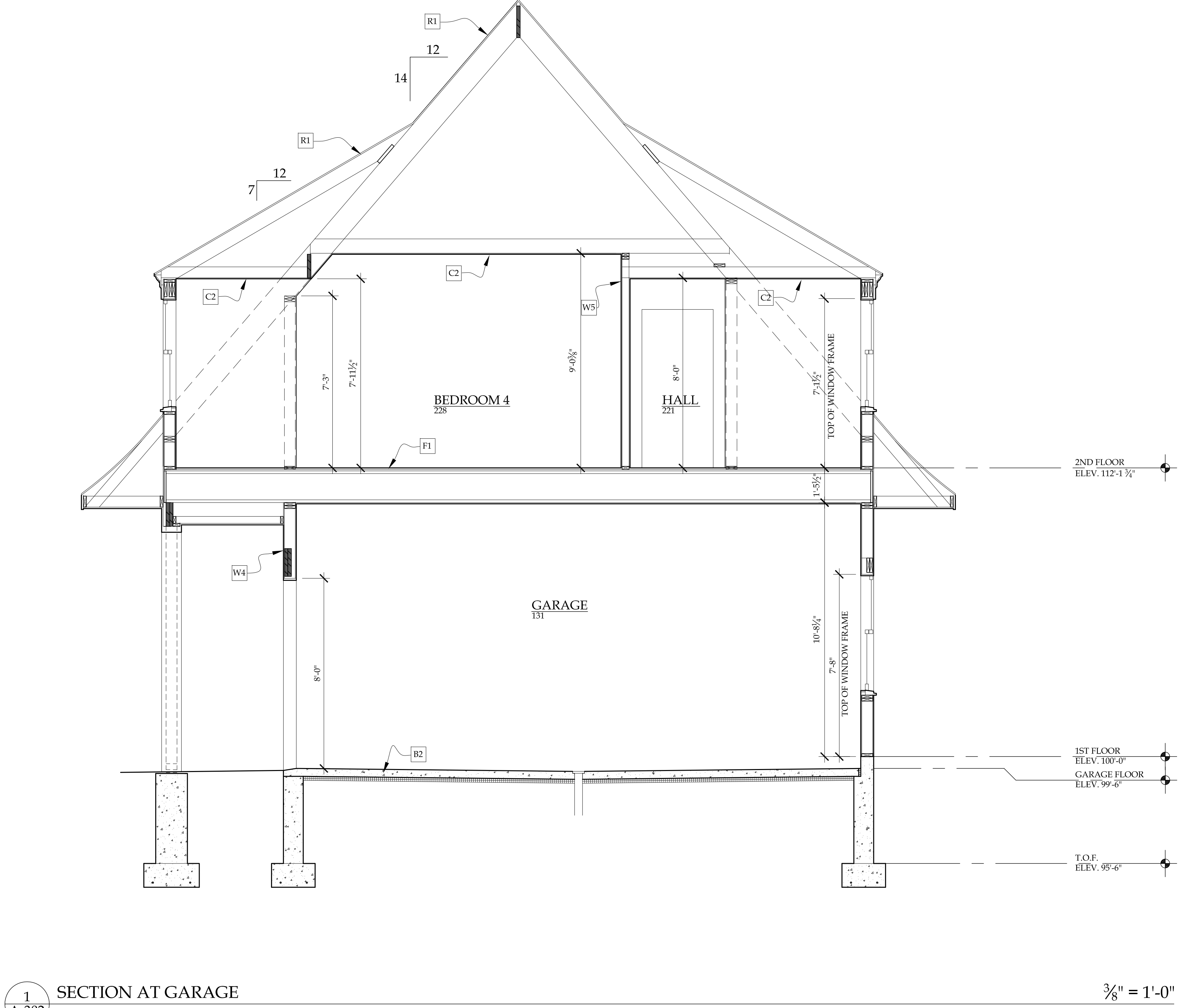
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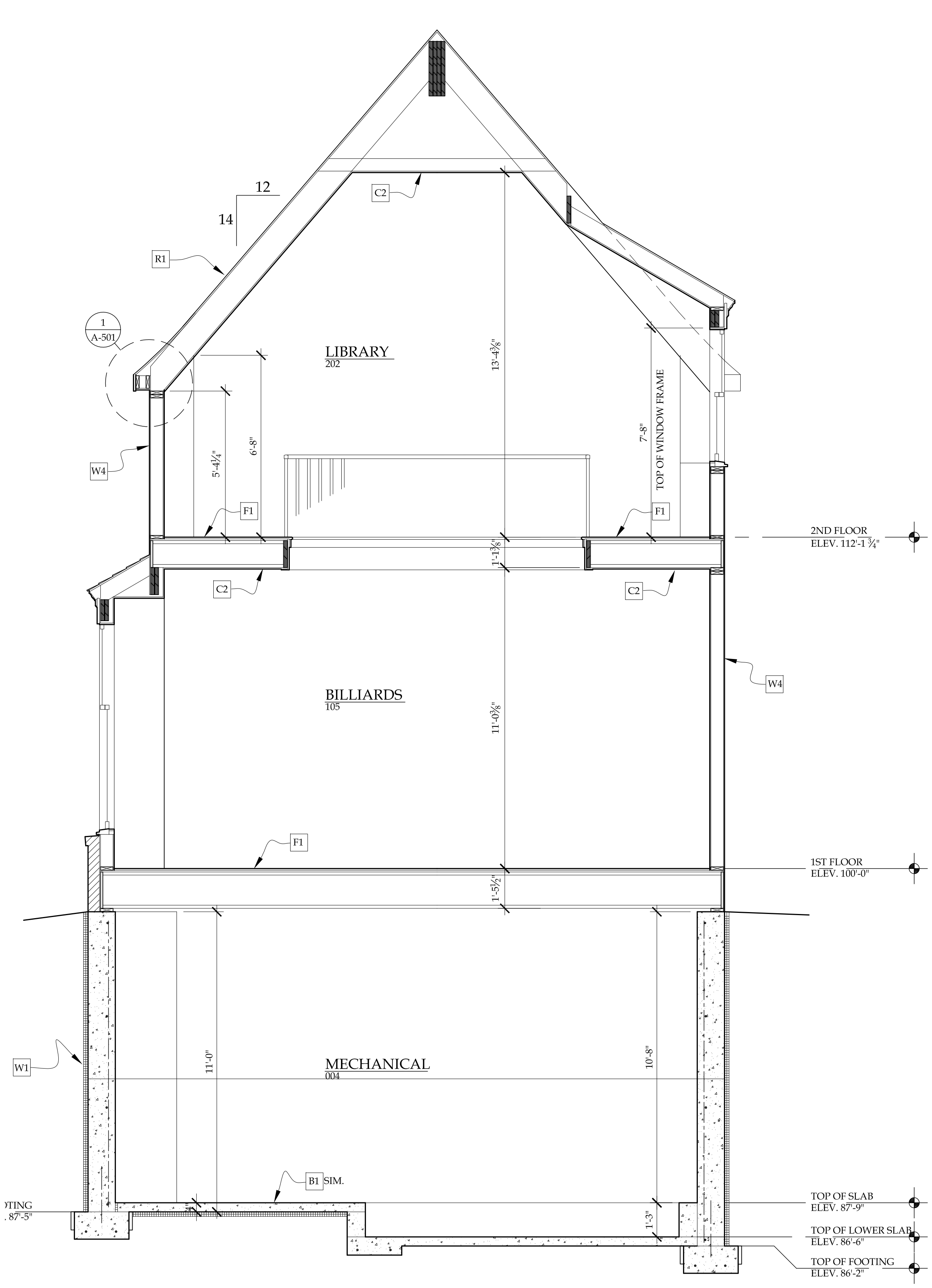
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1 SECTION AT GARAGE

3/8" = 1'-0"



2 SECTION AT LIBRARY - THROUGH WEST BAY

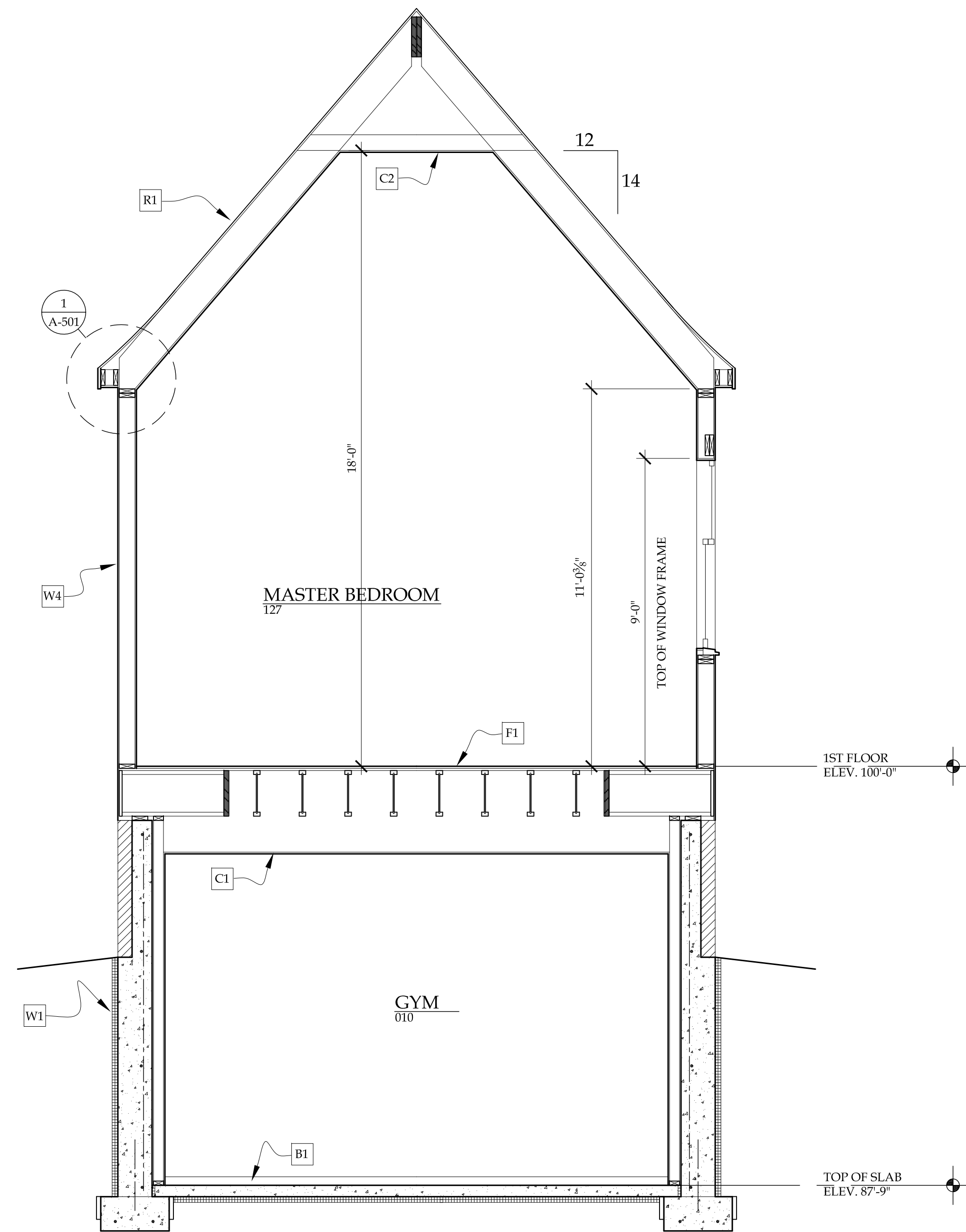
3/8" = 1'-0"

CONSTRUCTION KEY

- ALSO SEE ASSOCIATED DETAILS. SEE SHEET S-101 AND S-102 FOR STRUCTURAL FLOOR ASSEMBLY TYPES
- W1 Foundation Wall - See also Foundation Plan and Sections for reinforcing notes.**
 - * 12" deep continuous concrete footing w/ (2) #3 continuous rebar. (see plan for width).
 - * 11'-0" poured concrete foundation wall, except as noted. (see plan for reinforcing, thickness, and stone ledges)
 - * Water proofing system w/ R-10 min. rigid insulation / protection board.
 - * Clean stone backfill to 12" below final grade.
 - * 4" PVC drain the both sides of footing w/ bleeders @ 8'-0" o.c.; filter fabric sock and 12" min. cover of washed stone. Alternate: 8" min. Form-A-Drain system.
 - * 2x6 PPT sill plate on sill sealer w/ 3/2" x 8" galv. anchor bolts @ 48" o.c. embedded 5" min.
 - * Spray-in foam insulation at sill box.
 - * See drawings for lower level build-out locations and details.
 - W2 Foundation Wall - With thin Veneer Stone.**
 - * Same as above. See sections and details for thin stone veneer application. See elevations and plans for locations.
 - W3 Exterior Wall Construction (Full Weight Stone)**
 - * 5" stone veneer. Masonry ties @ 16" vertical & horizontal.
 - * Provide flashings @ all penetrations & openings (thru-wall @ grade w/ 3/8" tubes & wicks @ 24" o.c.)
 - * 1/2" airspace w/ 1/2" cont. mortar netting at bottom.
 - * Flashings to be self adhesive Fern-A-Barrier rubberized asphalt and polyethylene composite membrane by Grace (or sim).
 - * 30 lb building felt or air infiltration barrier.
 - * 1/2" APA rated plywood wall sheathing, exposure 1.
 - * 2x6 studs @ 16" o.c.
 - * R-21 unfaced batt insulation.
 - * 6 mil poly vapor barrier.
 - * See finish schedule for interior finishes.
 - W4 Exterior Wall Construction (Sawn Cedar Shingles)**
 - * Sawn cedar shingles. See General Notes on sheet G-101 for specifications.
 - * Air infiltration barrier.
 - * Provide metal flashings and drips at all window heads, sills, and at all penetrations & openings as required.
 - * 1/2" APA plywood wall sheathing, exposure 1.
 - * 2x6 studs @ 16" o.c.
 - * R-21 unfaced batt insulation.
 - * 6 mil vapor barrier.
 - * See finish schedule for interior finishes.
 - W5 Interior Wood Frame Walls**
 - * 2x4 studs @ 16" o.c. (or as shown on plan).
 - * 3/2" plaster base w/ 2 coat veneer plaster finish. (see finish schedule for locations) 3/8" type X gypsum board at garage/house wall and ceilings.
 - * 4" R-11 batt insulation @ all bathroom & bedroom walls.
 - * Bed-in all soil stacks w/ sound batt insulation in walls, floors & ceilings.
 - W6 Hard Tile Wall Construction**
 - * Construct in accordance with TCNA handbook for ceramic tile installation W244C-13.
 - * Hard tile set in Portland cement bond coat.
 - * 1/2" cementitious backer board or other approved tile backer for non-shower locations. (Verify thickness of adjacent wall finish.)
 - C1 Ceiling Construction (finished basement areas)**
 - * 3/8" gypsum board w/ applied finish texture.
 - * Batt insulation below all bathrooms on 1st floor.
 - C2 Ceiling Construction (1st and 2nd floor)**
 - * 3/2" plaster base w/ 2 coat veneer plaster finish.
 - * 6 mil poly vapor barrier at ceiling/roof or attic assemblies.
 - * R-38 batt insulation @ sloped exterior ceilings.
 - * R-50 blown-in insulation @ flat ceilings.
 - * 1 1/2" (min) vent baffles @ each rafter space throughout at roof / wall connections & at cathedral ceilings.
 - B1 Basement Floor Construction**
 - * Finish floor as indicated on plans.
 - * 3/4" APA-rated subflooring
 - * Pressure preservative treated 2x4 wood sleepers laid flat 16" o.c.
 - * 1 1/2" GypCrete w/ hydronic heating tubes between sleepers.
 - * 4" concrete slab w/ 6x6/ 1.4x1.4 WWM reinforcing (sheets).
 - * 6 mil poly vapor barrier.
 - * 2" rigid insulation below and 1" rigid insulation at edges
 - * Min. 6" compacted granular fill.
 - * Provide 1/2" expansion joints at all penetrations.
 - * Provide control joints as required and as indicated on Foundation plan.
 - * See details for wood floor in finished areas.
 - B2 Garage Floor Construction**
 - * 4" concrete slab w/ 6x6/ 1.4x1.4 WWM reinforcing (sheets).
 - * Pitch to drains. See plans. Epoxy finish coating.
 - * Hydronic heating tubes.
 - * 2" rigid insulation below and 1" rigid insulation at edges.
 - * Min. 6" compacted granular fill.
 - * Provide control joints as required and as shown on plans.
 - F1 Typical Floor Construction**
 - * Carpet or hardwood as scheduled.
 - * 3/2" (+/-) particle board underlayment for carpet. Verify carpeting & pad thickness w/ owner.
 - * 1 1/2" in felt.
 - * 3/4" APA rated T&G subfloor (glued & nailed).
 - * Batt insulation below all bathrooms.
 - * Structure as shown on plan.
 - F2 Hard Tile Floor Construction**
 - * Construction in accordance w/ TCNA handbook for ceramic tile installation RH 125-13.
 - * Hard tile in bond coat.
 - * 1 1/2" Gypcrete with hydronic heating tubes.
 - * Primer per manufacturer's specifications.
 - * 3/4" APA rated T & G subfloor (glued & nailed).
 - * Structure as indicated on plans.
 - F3 Hard Tile Shower Floor**
 - * Shower Floor (Follow TCNA Handbook B-441)
 - * Hard tile in bond coat.
 - * Portland cement mortar bed w/ reinforcing.
 - * Shower pan or membrane.
 - * 3/4" APA rated T&G plywood subfloor (glued & nailed).
 - * Structure as shown on plan.
 - Shower Wall (Follow TCNA Handbook B-441)**
 - * Hard tile in bond coat.
 - * Cement plaster over metal lath.
 - * Wood studs and backer board
 - R1 Roof Construction**
 - * Continuous ridge vents. Shingle over.
 - * Sawn cedar shingles. See sheet S-101 for specifications.
 - * 30 lb roofing felt or approved underlayment.
 - * Ice & water shield membrane - (at eaves, extend min. 3'-0" up roof beyond perimeter of exterior walls of heated areas) (at valleys, extend up each side of roof min. 30').
 - * Copper roof flashings: Valleys, edges, roof/wall, etc.
 - * 3/4" APA rated exterior roof sheathing (exposure 1) w/ H-clips.
 - * Structure as shown on plan and sections.
 - * 1 1/2" (min) vent baffles @ each rafter space throughout at roof / wall connections & at cathedral ceilings.
 - R2 Low Pitched Roof Construction**
 - * Fully-adhered 60 mil EPDM single-ply roof membrane.
 - * Install over mechanically fastened 1/2" fiberboard underlayment (approved by membrane manuf.). Utilize all materials, flashings & accessories approved by manufacturer.
 - * Prefinished metal flashing - per manuf. flashing requirements.
 - * 1/2" APA rated T & G plywood roof sheathing (exposure 1).
 - glued & screwed, (min. 1/4" per ft. slope).
 - * See roof plan for locations.
 - * Structure as shown on plan and sections.
 - R3 Copper Roof Construction**
 - * 16oz. copper standing seam roofing.
 - * Roof paper or other approved slip sheet.
 - * 30 lbs. roofing felt
 - * 3/2" APA rated T & G plywood roof sheathing (exposure 1).
 - glued & screwed
 - * Sprayed-in close-cell foam insulation
 - * Structure as shown on plan and sections.

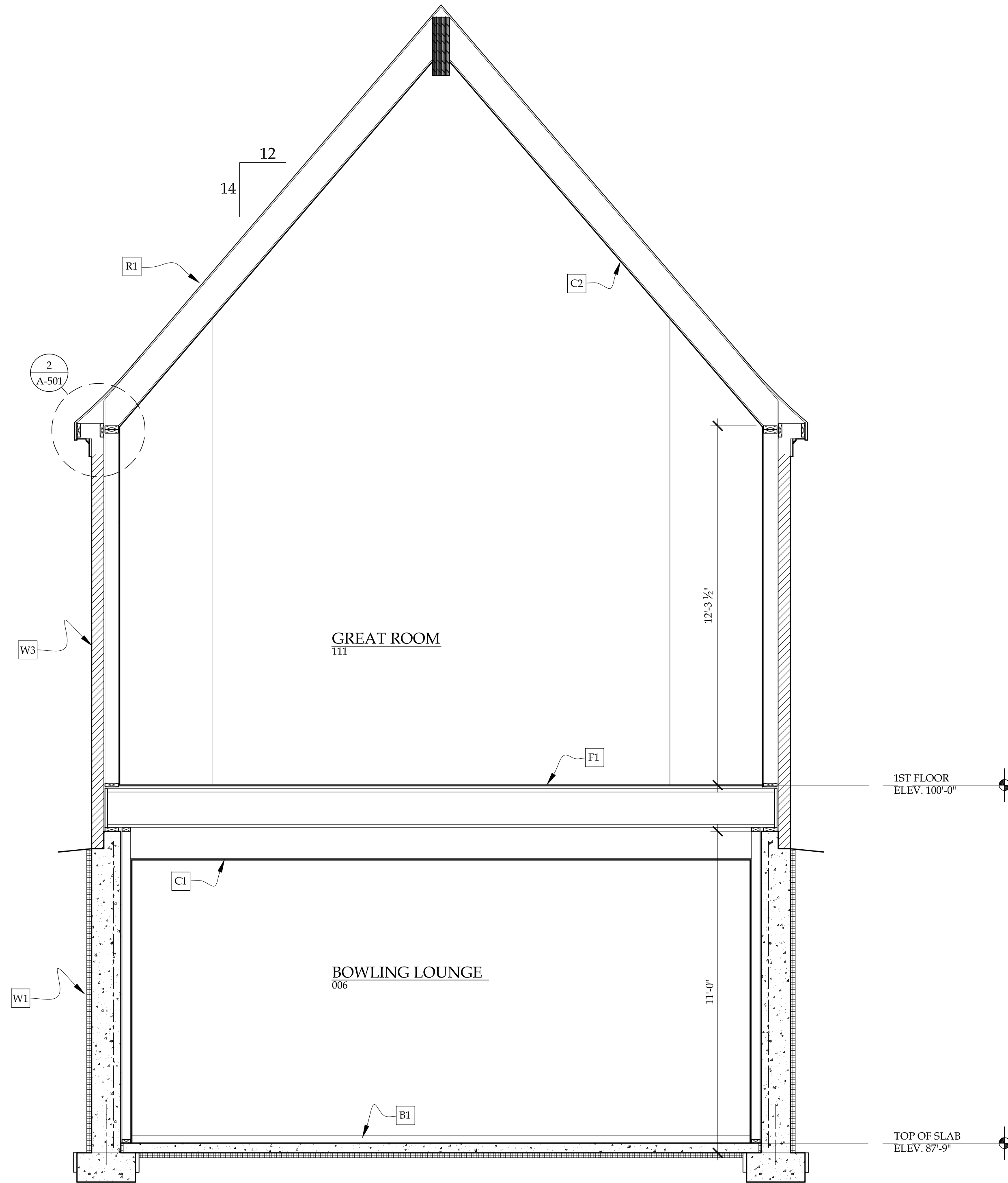
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1 SECTION AT MASTER BEDROOM

3/8" = 1'-0"



2 SECTION AT GREAT ROOM

3/8" = 1'-0"

CONSTRUCTION KEY

ALSO SEE ASSOCIATED DETAILS. SEE SHEET S-101 AND S-102 FOR STRUCTURAL FLOOR ASSEMBLY TYPES

- W1 Foundation Wall - See also Foundation Plan and Sections for reinforcing notes.**
 - * 12" deep continuous concrete footing w/ (2) #5 continuous rebar. (see plan for width)
 - * 11'-0" poured concrete foundation wall, except as noted. (see plan for reinforcing, thickness, and stone ledges)
 - * Water proofing system w/ R-10 min. rigid insulation / protection board.
 - * Clean stone backfill to 12" below final grade.
 - * 4" PVC drain tile both sides of footing w/ bleeders @ 8'-0" o.c.;
 - * filter fabric sock and 12" min. cover of washed stone. Alternate: 8" min. Form-A-Drain system.
 - * 2x6 PPT sill plate on sill sealer w/ 1/2" x 8" galv. anchor bolts
 - * @ 48" o.c. embedded 5" min.
 - * Sprayed-in foam insulation at sill box.
 - * See drawings for lower level build-out locations and details.
- W2 Foundation Wall - With thin Veneer Stone.**
 - * Same as above. See sections and details for thin stone veneer application. See elevations and plans for locations.
- W3 Exterior Wall Construction (Full Weight Stone)**
 - * 5" stone veneer. Masonry ties @ 16" vertical & horizontal.
 - * Provide flashings @ all penetrations & openings (thru-wall @ grade w/ 3/4" tubes & wicks @ 24" o.c.)
 - * 1/2" airspace w/ 1/2" cont. mortar netting at bottom.
 - * Flashings to be self adhesive Perm-A-Barrier rubberized asphalt and polyethylene composite membrane by Grace (or sim).
 - * 30 lb building felt or air infiltration barrier.
 - * 1/2" APA rated plywood wall sheathing, exposure 1.
 - * 2x6 studs @ 16" o.c.
 - * R-21 unfaced batt insulation.
 - * 6 mil poly vapor barrier.
 - * See finish schedule for interior finishes.
- W4 Exterior Wall Construction (Sawn Cedar Shingles)**
 - * Sawn cedar shingles. See General Notes on sheet G-101 for specifications.
 - * Air infiltration barrier.
 - * Provide metal flashings and drips at all window heads, sills, and at all penetrations & openings as required.
 - * 1/2" APA plywood wall sheathing, exposure 1.
 - * 2x6 studs @ 16" o.c.
 - * R-21 unfaced batt insulation.
 - * 6 mil vapor barrier.
 - * See finish schedule for interior finishes.
- W5 Interior Wood Frame Walls**
 - * 2x4 studs @ 16" o.c. (or as shown on plan).
 - * 1/2" plaster base w/ 2 coat veneer plaster finish. (see finish schedule for locations.) 3/8" type-X gypsum board at garage/house wall and ceilings.
 - * 4" R-11 batt insulation @ all bathroom & bedroom walls.
 - * Bed-in all wall stacks w/ sound batt insulation in walls, floors & ceilings.
- W6 Hard Tile Wall Construction**
 - * Construct in accordance with TCNA handbook for ceramic tile installation W244C-13.
 - * Hard tile set in Portland cement bond coat.
 - * 1/2" cementitious backer board or other approved tile backer for non-shower locations. (Verify thickness of adjacent wall finish)
- C1 Ceiling Construction (finished basement areas)**
 - * 3/8" gypsum board w/ applied finish texture.
 - * Batt insulation below all bathrooms on 1st floor.
- C2 Ceiling Construction (1st and 2nd floor)**
 - * 1/2" plaster base w/ 2 coat veneer plaster finish.
 - * 6 mil poly vapor barrier at ceiling/roof or attic assemblies.
 - * R-38 batt insulation @ sloped exterior ceilings.
 - * R-50 blown-in insulation @ flat ceilings.
 - * 1 1/2" (min) vent baffles @ each rafter space throughout at roof / wall connections & at cathedral ceilings.
- B1 Basement Floor Construction**
 - * Finish floor as indicated on plans.
 - * 3/4" APA-rated subflooring
 - * Pressure preservative treated 2x4 wood sleepers laid flat 16" o.c.
 - * 1 1/2" GypCrete w/ hydronic heating tubes between sleepers.
 - * 4" concrete slab w/ 6x6/ 14x14 WWM reinforcing (sheets).
 - * 6 mil poly vapor barrier.
 - * 2" rigid insulation below and 1" rigid insulation at edges
 - * Min. 6" compacted granular fill.
 - * Provide 1/2" expansion joints at all penetrations.
 - * Provide control joints as required and as indicated on Foundation plan.
 - * See details for wood floor in finished areas.
- B2 Garage Floor Construction**
 - * 4" concrete slab w/ 6x6/ 14x14 WWM reinforcing (sheets).
 - * Pitch to drains. See plan. Epoxy finish coating.
 - * Hydronic heating tubes.
 - * 2" rigid insulation below and 1" rigid insulation at edges.
 - * Min. 6" compacted granular fill.
 - * Provide control joints as required and as shown on plans.
- F1 Typical Floor Construction**
 - * Carpet or hardwood as scheduled.
 - * 1/2" (+/-) particle board underlayment for carpet. Verify carpeting & pad thickness w/ owner.
 - * 15 lb felt.
 - * 3/4" APA rated T&G subfloor (glued & nailed).
 - * Batt insulation below all bathrooms.
 - * Structure as shown on plan.
- F2 Hard Tile Floor Construction**
 - * Construction in accordance w/ TCNA handbook for ceramic tile installation RH123-13.
 - * Hard tile in bond coat.
 - * 1 1/2" Gypcrete with hydronic heating tubes.
 - * Primer per manufacturer's specifications.
 - * 3/4" APA rated T & G subfloor (glued & nailed).
 - * Structure as indicated on plans.
- F3 Hard Tile Shower Floor**
 - * Shower Floor (Follow TCNA Handbook B-441)
 - * Hard tile in bond coat.
 - * Portland cement mortar bed w/ reinforcing.
 - * Shower pan or membrane.
 - * 3/4" APA rated T&G plywood subfloor (glued & nailed).
 - * Structure as shown on plan.
- Shower Wall (Follow TCNA Handbook B-441)**
 - * Hard tile in bond coat.
 - * Cement plaster over metal lath.
 - * Wood studs and backer board
- R1 Roof Construction**
 - * Continuous ridge vents. Shingle over.
 - * Sawn cedar shingles. See sheet S-101 for specifications.
 - * 30 lb roofing felt or approved underlayment.
 - * Ice & water shield membrane - (at eaves, extend min. 3'-0" up roof beyond perimeter of exterior walls of heated areas) (at valleys, extend up each side of roof min. 30').
 - * Copper roof flashings: Valleys, edges, roof/wall, etc.
 - * 3/8" APA rated exterior roof sheathing (exposure 1) w/ 4-clips.
 - * Structure as shown on plan and sections.
 - * 1 1/2" (min) vent baffles @ each rafter space throughout at roof / wall connections & at cathedral ceilings.
- R2 Low Pitched Roof Construction**
 - * Fully-adhered 60 mil EPDM single-ply roof membrane.
 - * Install over mechanically fastened 1/2" fiberboard underlayment (approved by membrane manuf.). Utilize all materials, flashings & accessories approved by manufacturer.
 - * Prefinished metal flashing - per manuf. flashing requirements.
 - * 3/4" APA rated T & G plywood roof sheathing (exposure 1).
 - * glued & screwed. (min. 2" per ft. slope).
 - * See roof plan for locations.
 - * Structure as shown on plan and sections.
- R3 Copper Roof Construction**
 - * 16oz. copper standing seam roofing.
 - * Rosin paper or other approve slip sheet.
 - * 30 lbs. roofing felt
 - * 3/4" APA rated T & G plywood roof sheathing (exposure 1).
 - * glued & screwed
 - * Sprayed-in close-cell foam insulation
 - * Structure as shown on plan and sections.

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DATE 02-27-2017

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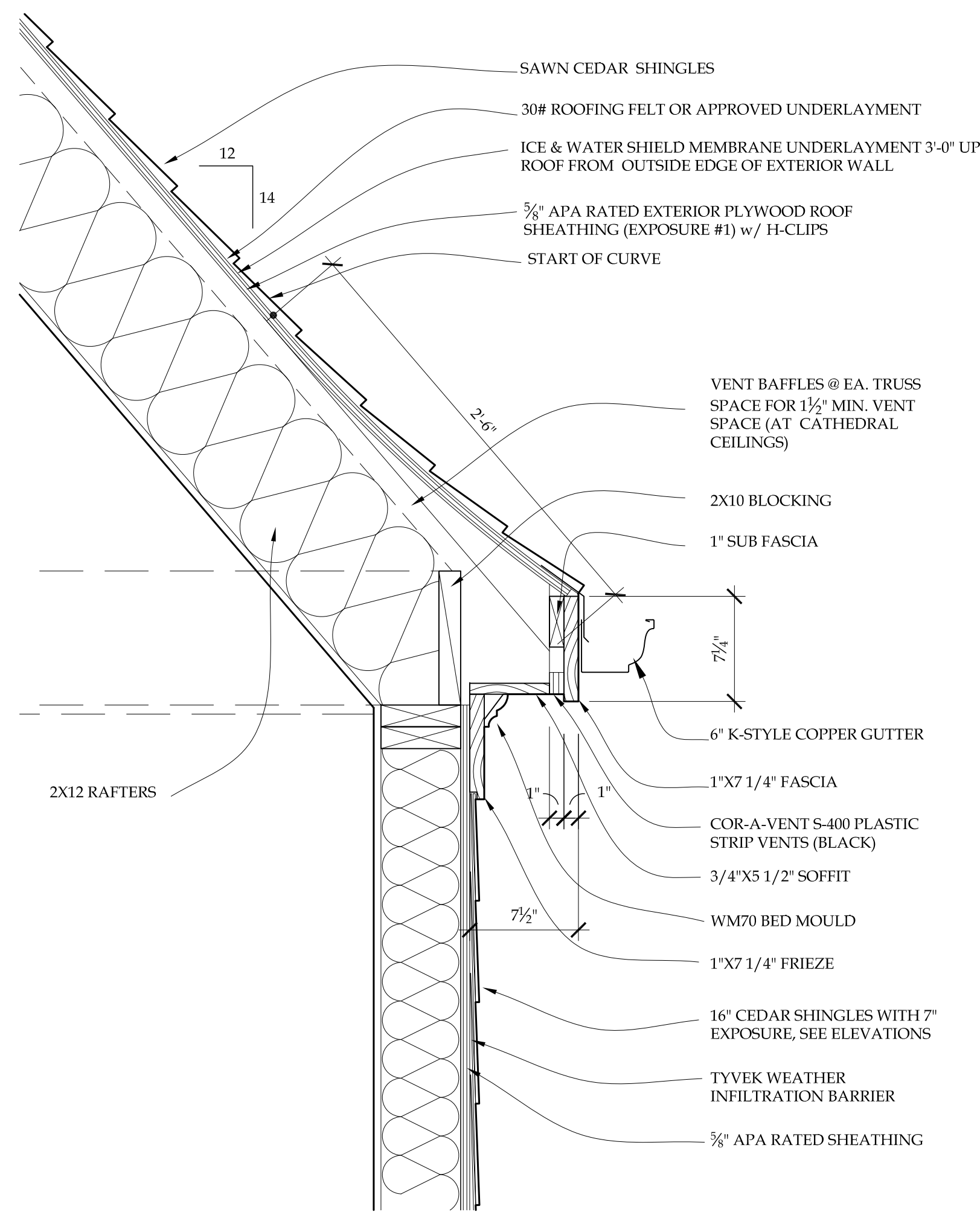
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PROJECT NO. 1607

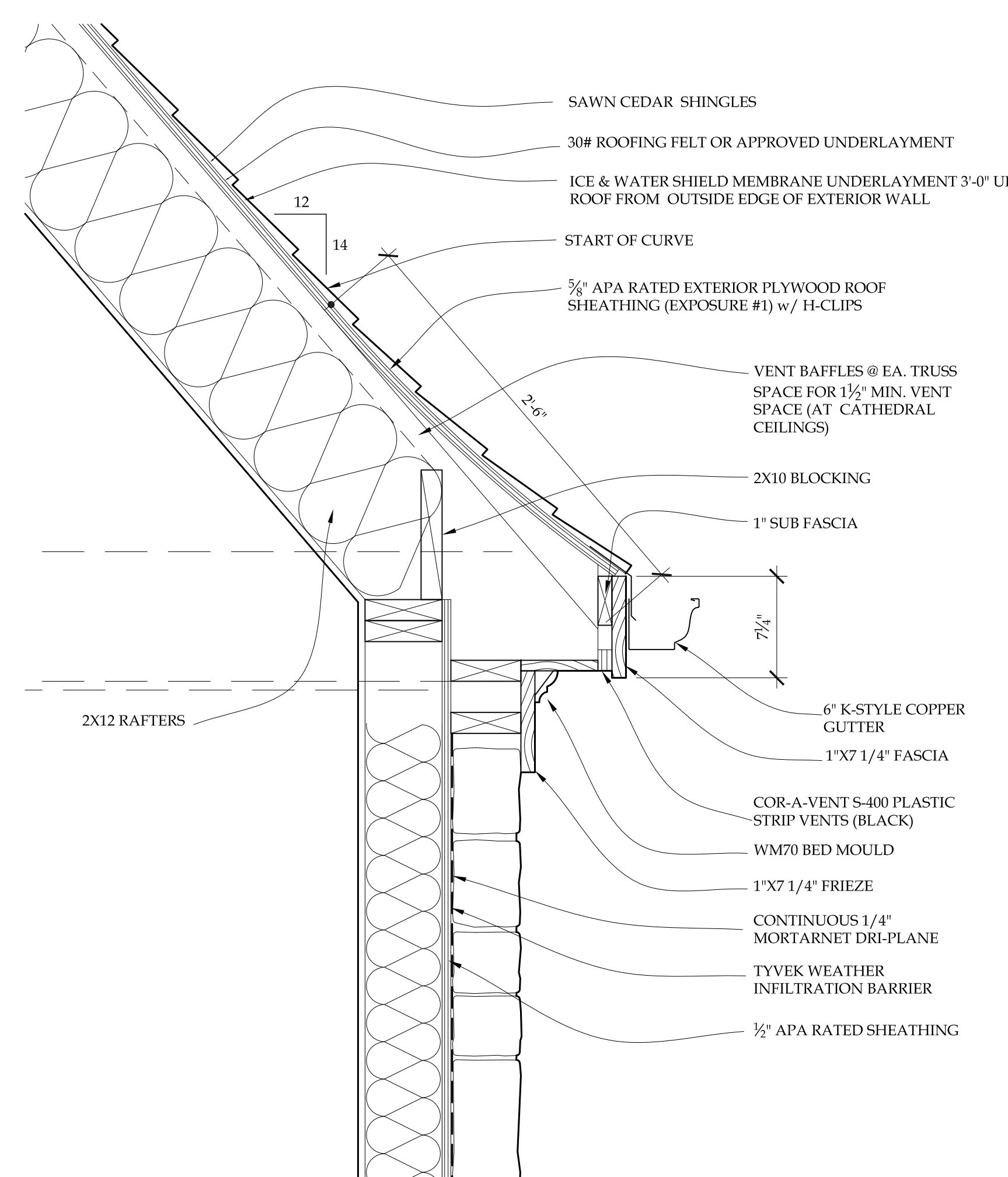
SHEET

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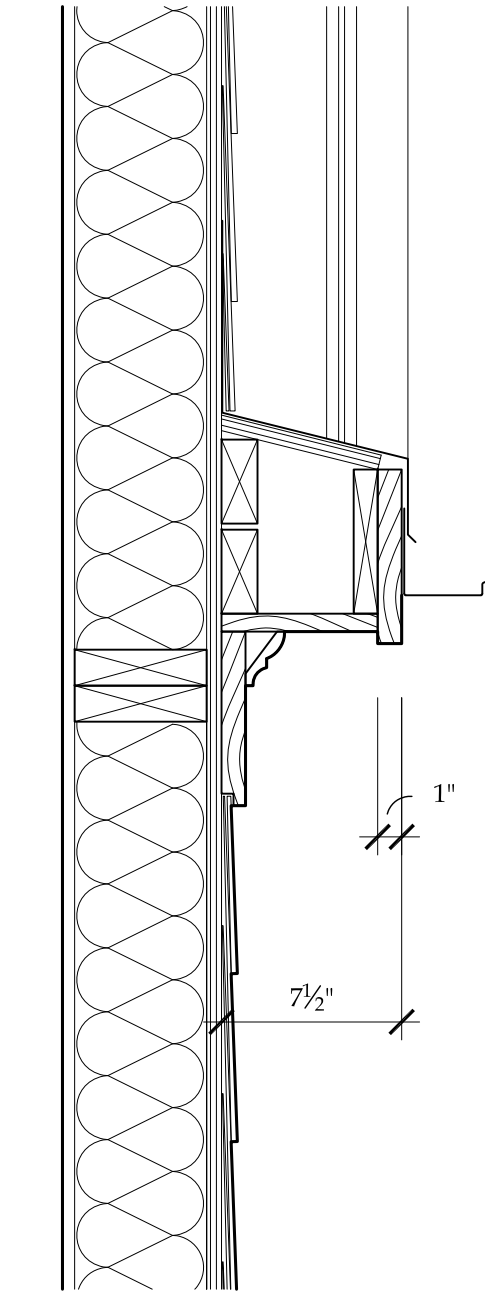
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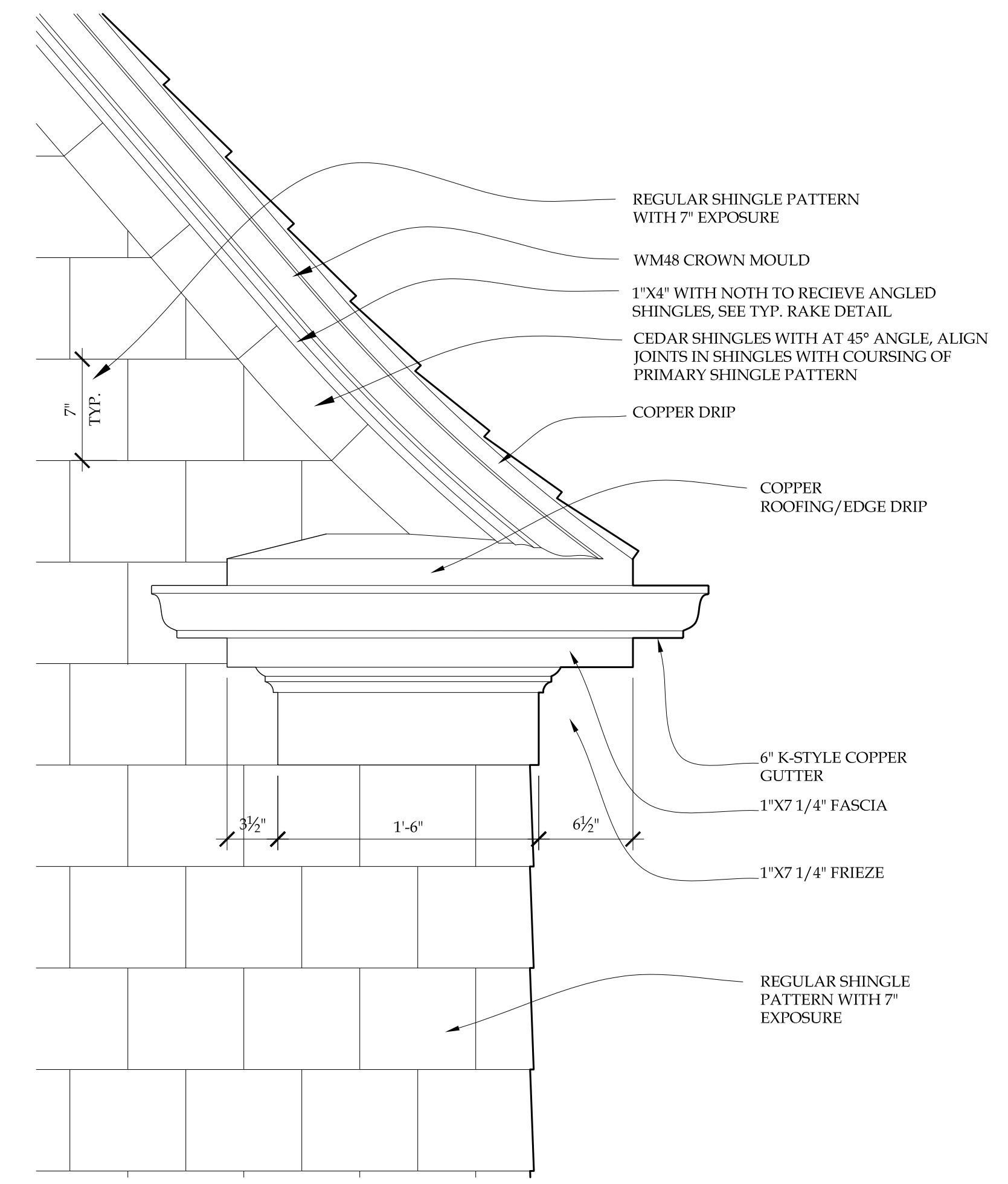
1 TYPICAL EAVE AT 14/12 PITCH 1-1/2" = 1'-0"



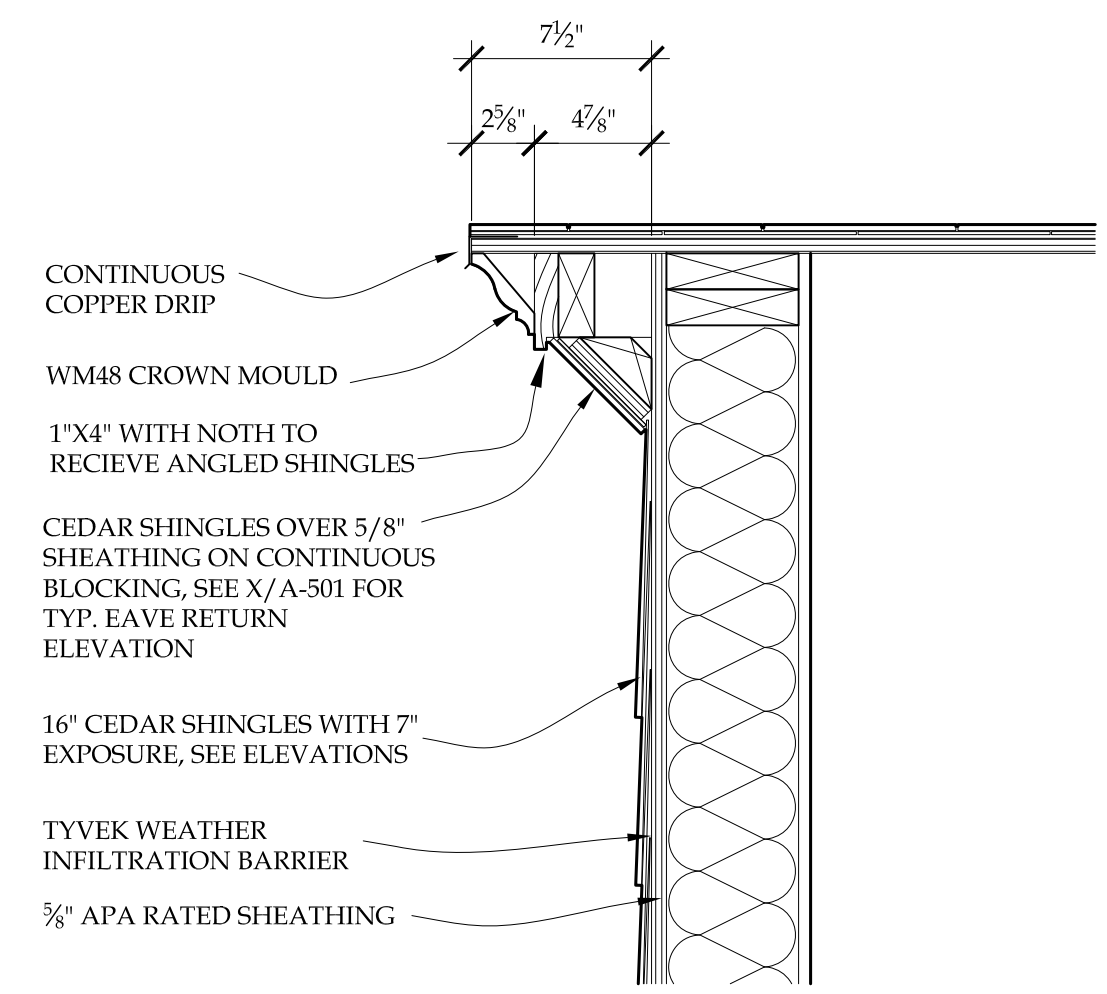
2 TYPICAL EAVE AT STONE AND 14/12 PITCH 1-1/2" = 1'-0"



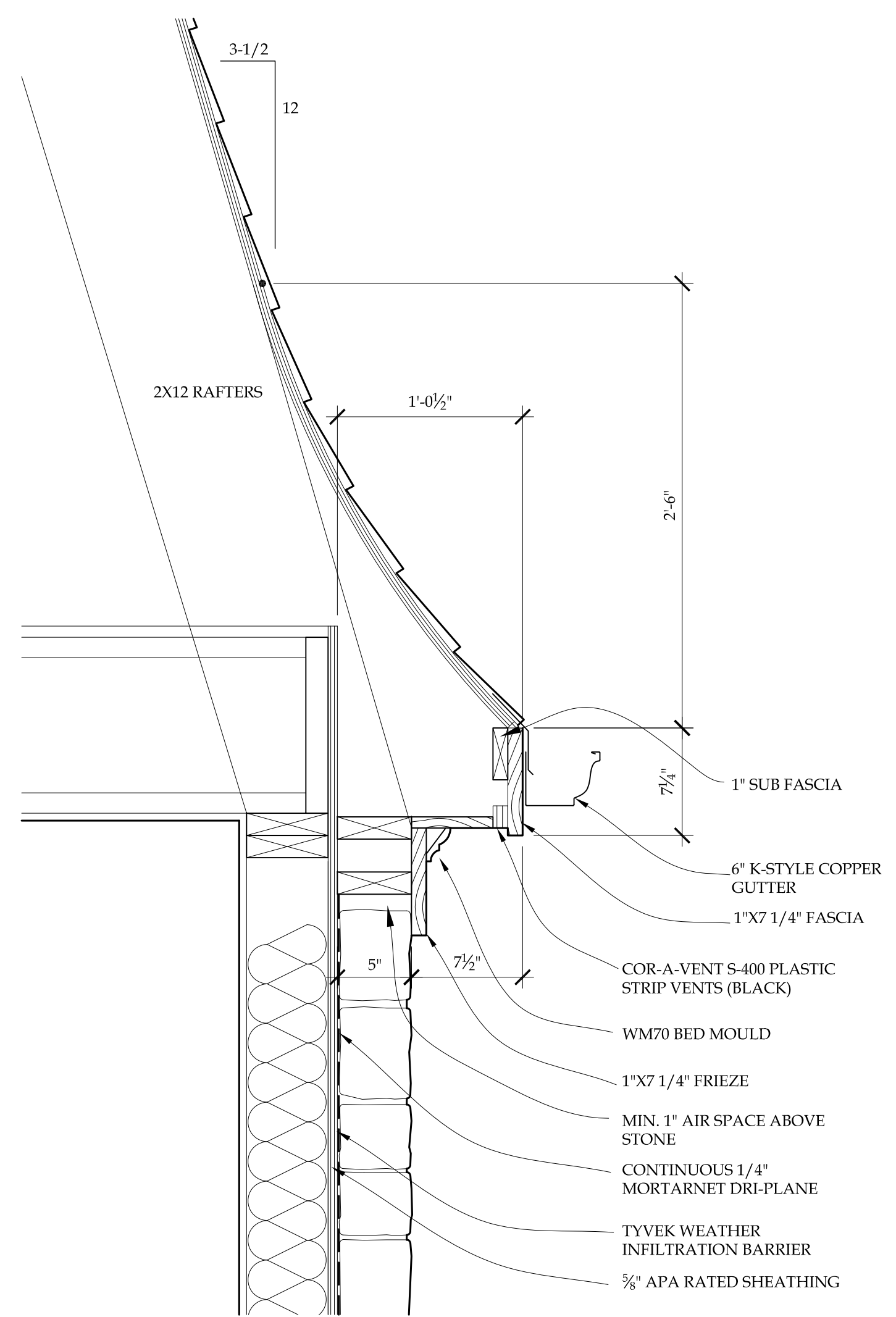
3 SECTION AT EAVE RETURN 1-1/2" = 1'-0"



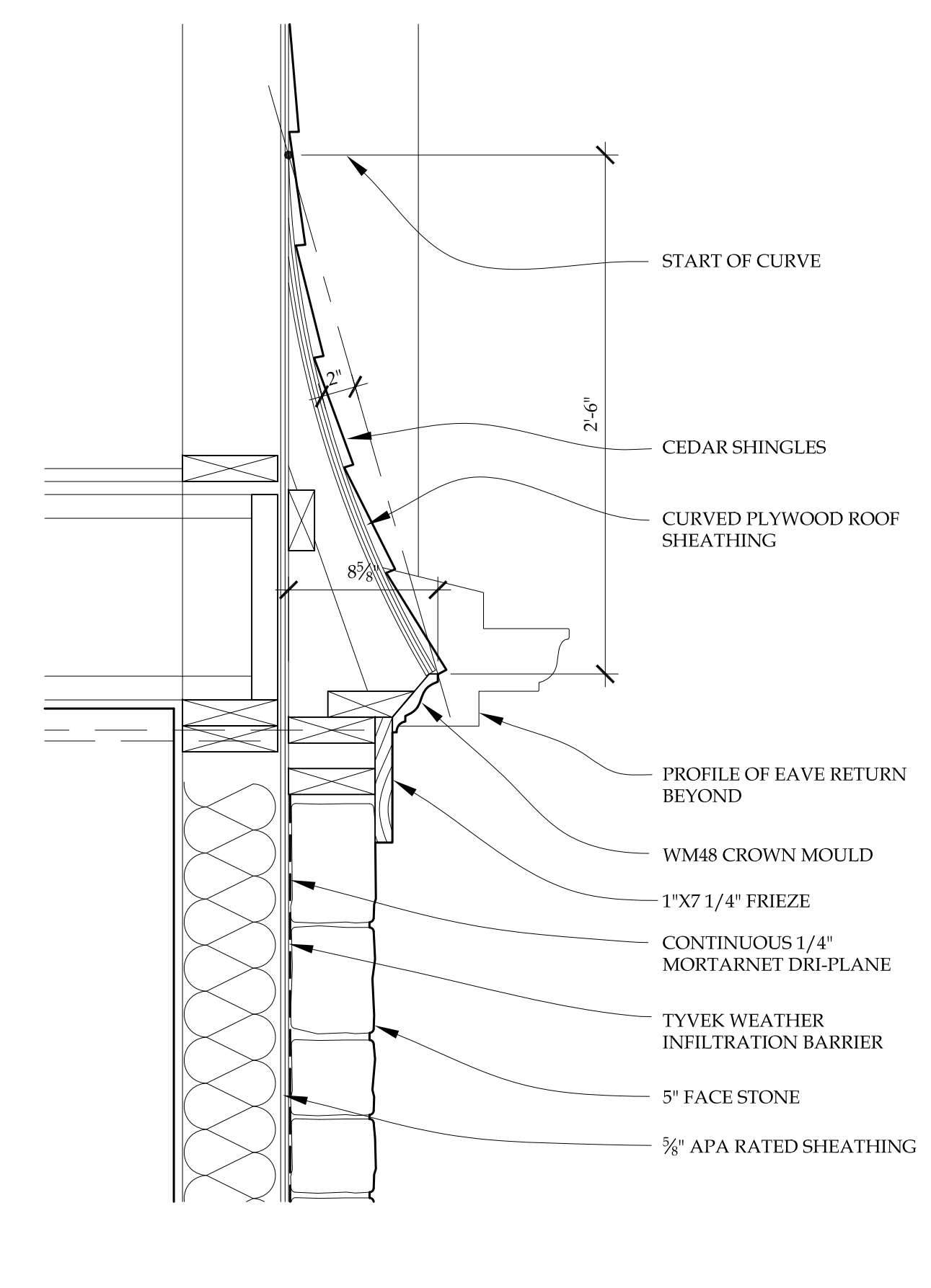
4 TYPICAL EAVE RETURN ELEVATION DETAIL 1-1/2" = 1'-0"



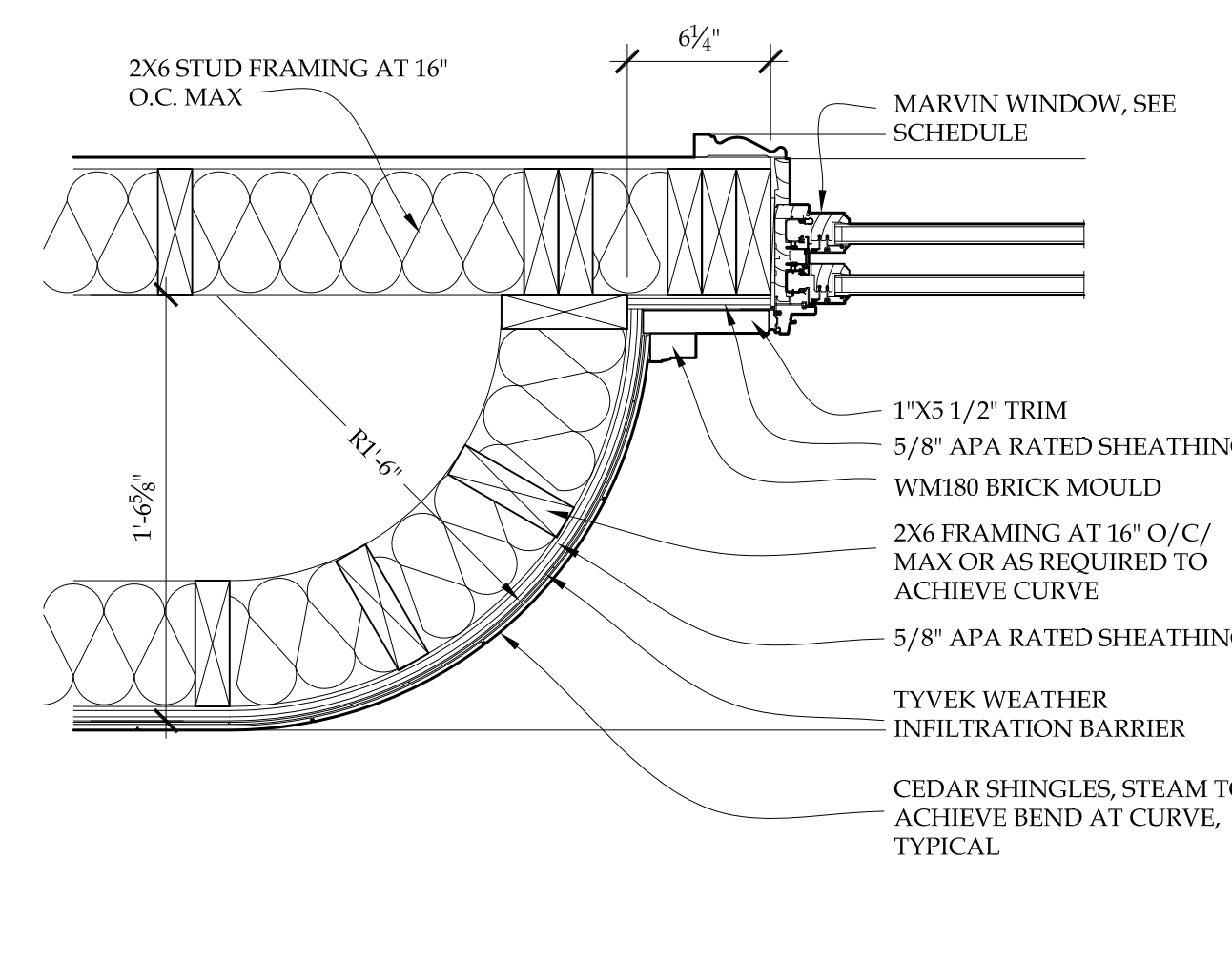
5 TYP. RAKE DETAIL 1-1/2" = 1'-0"



7 EAVE AT KITCHEN WING 1-1/2" = 1'-0"



8 SHINGLE/STONE TRANSITION 1-1/2" = 1'-0"



6 PLAN OF CURVED WALL AT BEDROOM 2 1-1/2" = 1'-0"

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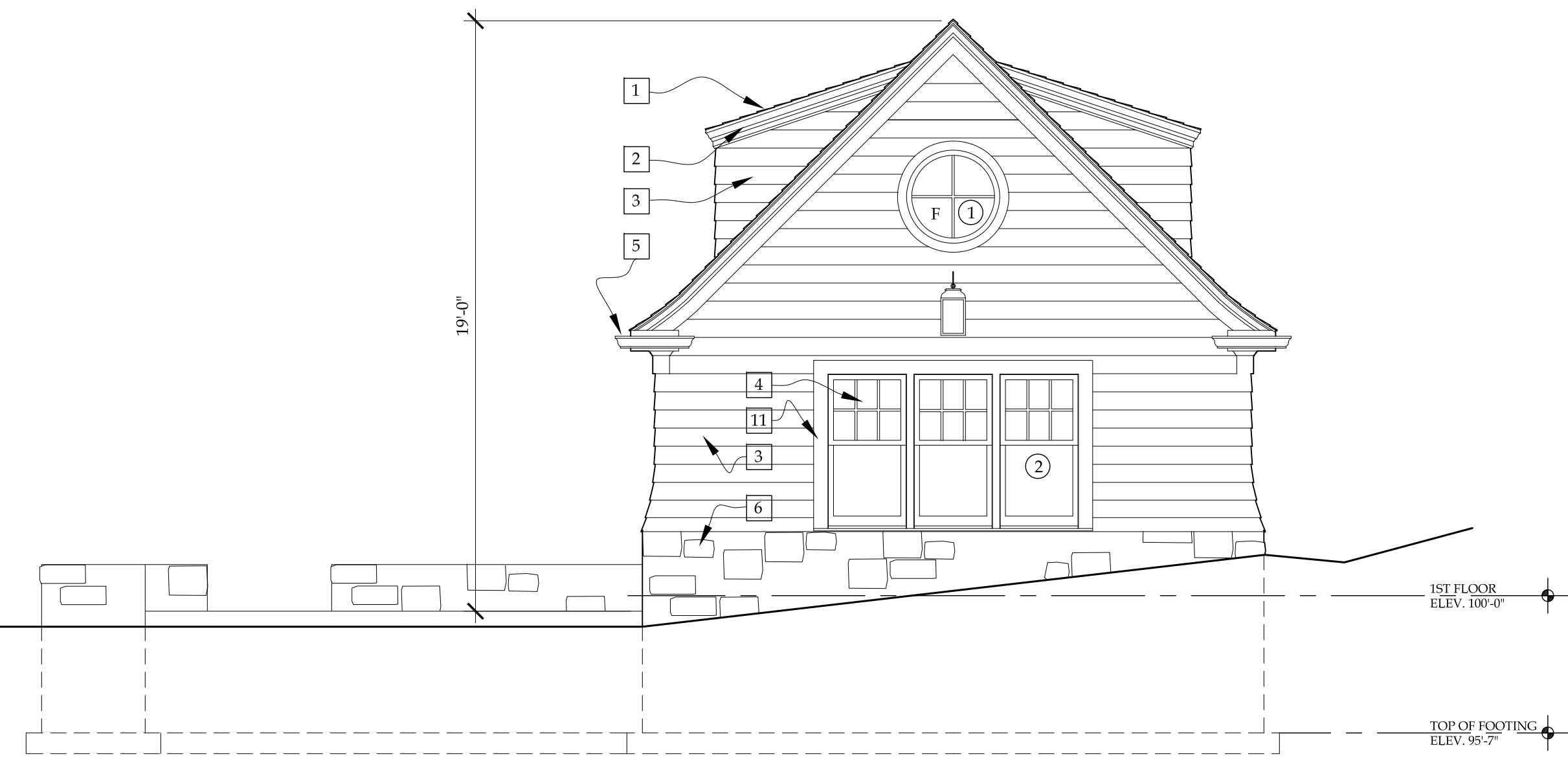
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DATE: 02-27-2017
DRAWN BY: J. HANSEN
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PROJECT NO.: 1607
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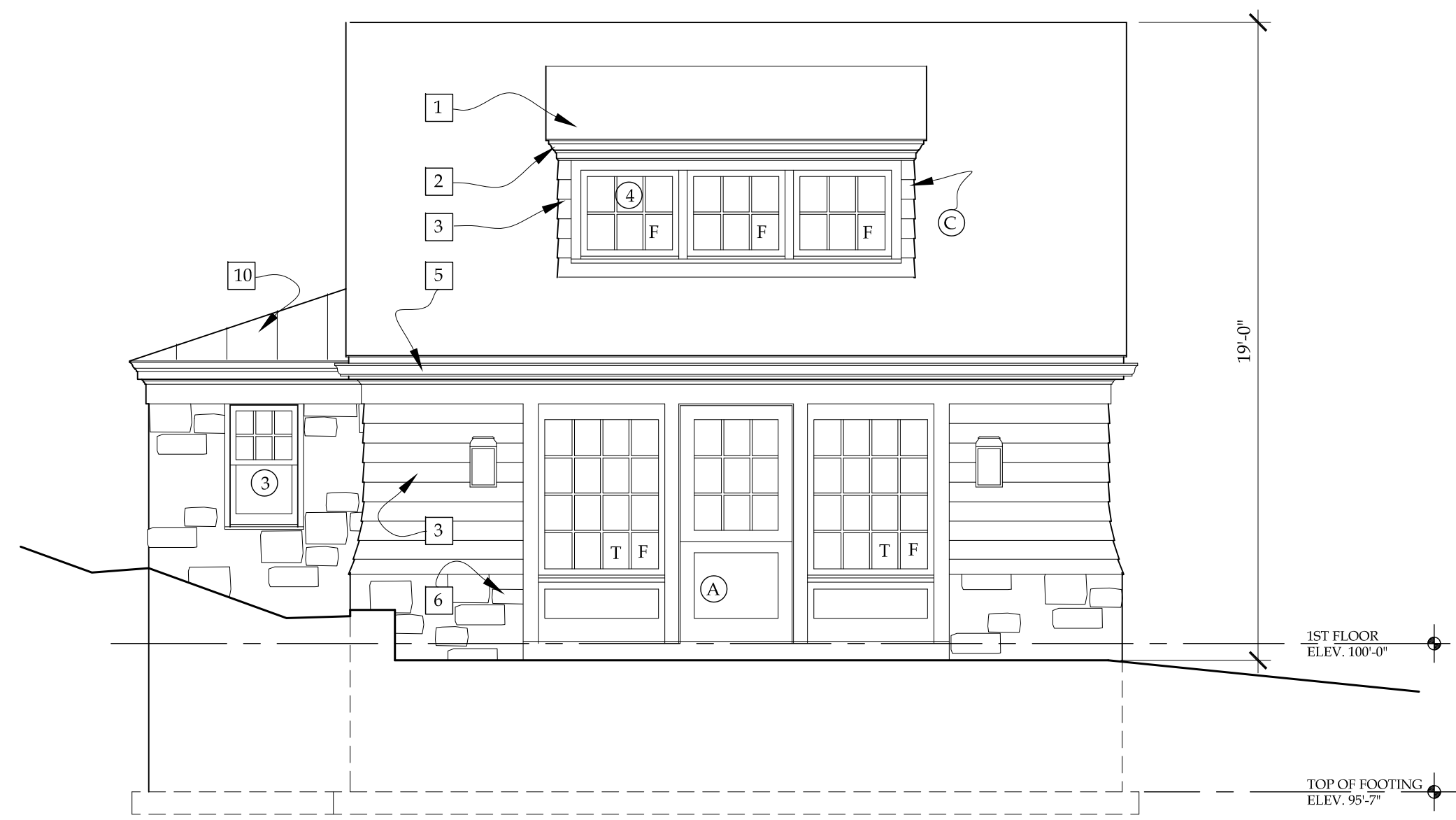
A-501

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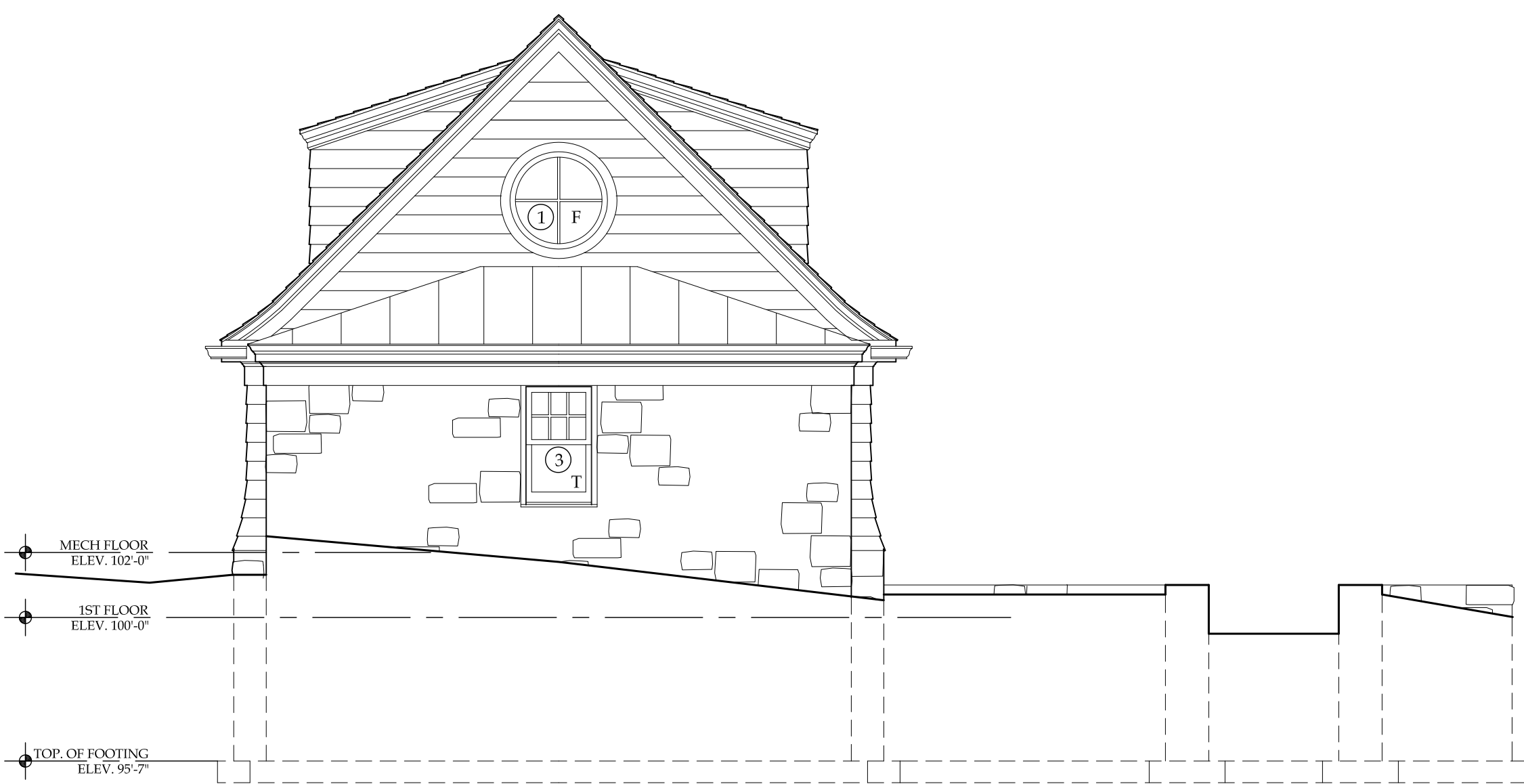
1 WEST ELEVATION
BH-2

1/4" = 1'-0"



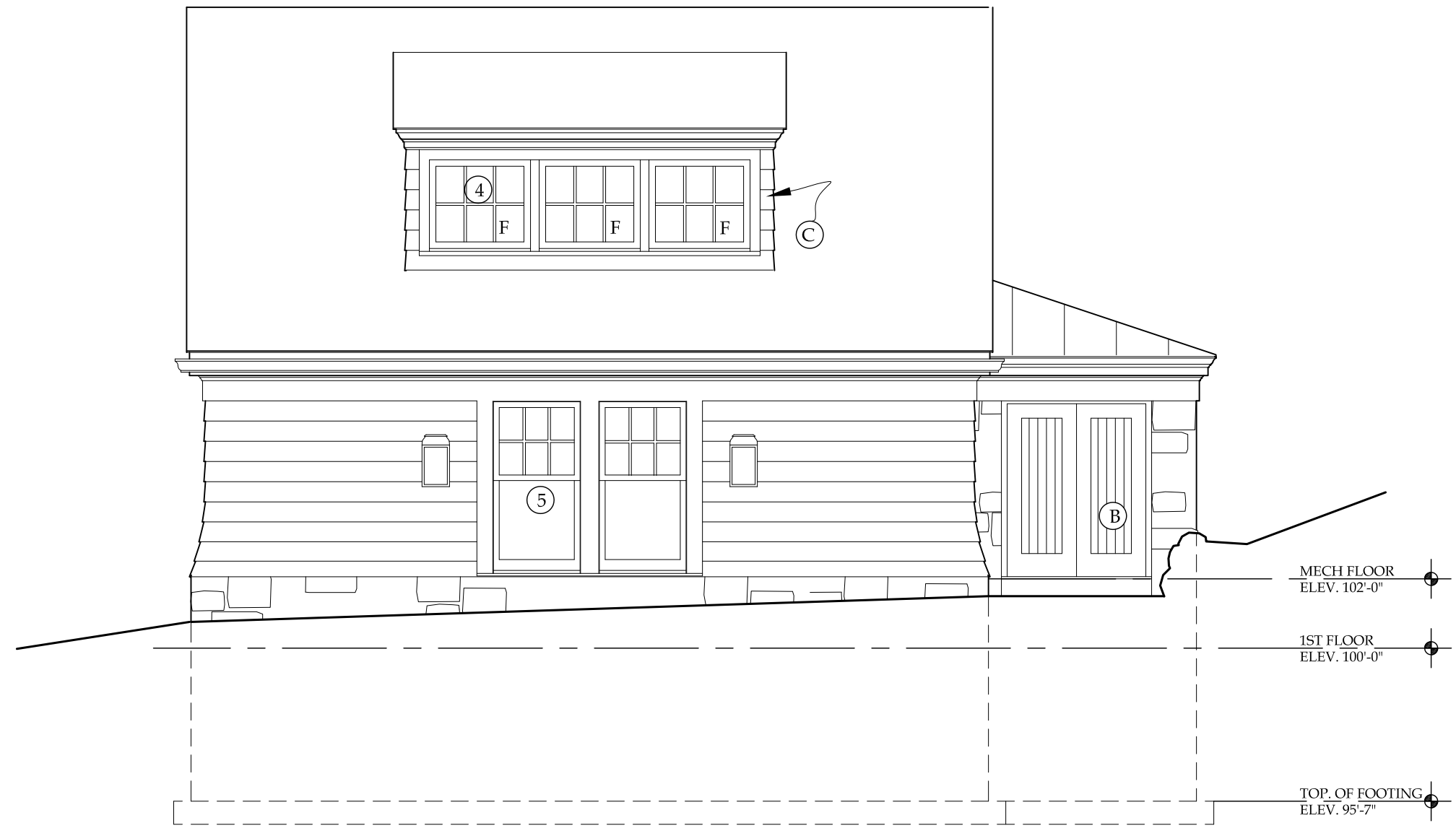
2 NORTH ELEVATION
BH-2

1/4" = 1'-0"



3 EAST ELEVATION
BH-2

1/4" = 1'-0"



4 SOUTH ELEVATION
BH-2

1/4" = 1'-0"

WINDOW & FRENCH DOOR SCHEDULE NOTES

- All keyed windows to be **Marvin Wood Double Hung, Casement, and Awning** units.

- All keyed exterior doors to be **Marvin Wood Swinging French Doors**.

- Cottage Style Double Hung** units to be 40 over 60.

- Contractor to provide supplier's final window list to architect for review before ordering.

- All units to be *factory primed*.

- Glass to be 3/4" *Low-E 272* insulated glass with Argon.

- Muntins to be 3/8" DSL with aluminum spacer bar between the glass. Muntin patterns as shown on Elevation drawings.

- Provide jamb extensions as required. At ganged windows, no extension jambs at intermediate mullions. Extension jambs at perimeter only except as noted.

- Operation as shown on Elevation drawings and as confirmed by owner.

- Provide wood framed (factory primed) insect screens for all operable window units: **Charcoal High Transparency Fiberglass Mesh**.

- Provide wood framed out-swinging (factory primed) insect screen doors for Great Room French Doors: **Charcoal High Transparency Fiberglass Mesh**.

- Hardware color to be *Oil-rubbed bronze*.

- All windows to be installed w/ self adhesive rubberized pan flashing with end dams.

- Provide tempered safety glass where required by Wisconsin Uniform Dwelling Code and where indicated on the elevation drawings with 'T'.

- All windows and doors installed in stone walls to have factory applied W1047 2" wood brick mould casings at the perimeter head and sides.

- All windows and doors installed in shingled walls to have factory applied 5 1/2" x 1 1/2" flat wood casings at the perimeter head and sides. Ganged units to have factory applied or factory loose supplied 1 1/2" thick flat mullion covers in appropriate widths.

- All windows to have 1 1/2" thick sub sills. units in bays to have sill horns long enough for a continuous sub sill around exterior bay corners.

- Ganged windows are typically installed with 2" vertical space mullions except as noted.

WINDOW & FRENCH DOOR SCHEDULE

Key	Cat. No.	Type	R.O. (WxH)	Notes
1	RT 27	Stationary Round	3'-1" x 3'-1"	In-sash fixed round
2	WUDH 2621/31-3w	Cottage Double Hung	8'-3 3/8" x 5'-2"	
3	WUDH 2018	Double Hung	2'-3 3/4" x 3'-10"	
4	WUCA 3632-3w	Fixed Casement	9'-5" x 2'-9"	
5	WUDH 2621/31-2w	Cottage Double Hung	5'-5 3/4" x 5'-2"	
DETACHED GARAGE:				
6	WUDH 2624-2w	Double Hung	5'-5 3/4" x 4'-10"	
7	WUCA 3244	Casement	2'-9" x 3'-9"	
8	WUDH 2624	Double Hung	2'-8 3/8" x 4'-10"	

EXTERIOR MATERIALS KEY

- 1 SAWN CEDAR SHINGLES
- 2 SMOOTH CEDAR TRIM, PAINTED
- 3 SAWN CEDAR WALL SHINGLES, STAINED
- 4 WOOD DOUBLE HUNG WINDOW, PAINTED
- 5 COPPER GUTTERS AND DOWN SPOUTS
- 6 FACE STONE
- 7 SOLID SMOOTH CEDAR BRACKET, PAINTED
- 8 OVERHEAD DOOR, PAINTED
- 9 SMOOTH WOOD COLUMN, PAINTED
- 10 COPPER ROOF
- 11 SMOOTH CEDAR WINDOW TRIM, PAINTED

KEYED ELEVATION NOTES

- A CUSTOM DUTCH DOOR AND SIDE LIGHTS
- B CUSTOM MILLWORK DOORS
- C 2X4 FRAMING IN DORMERS

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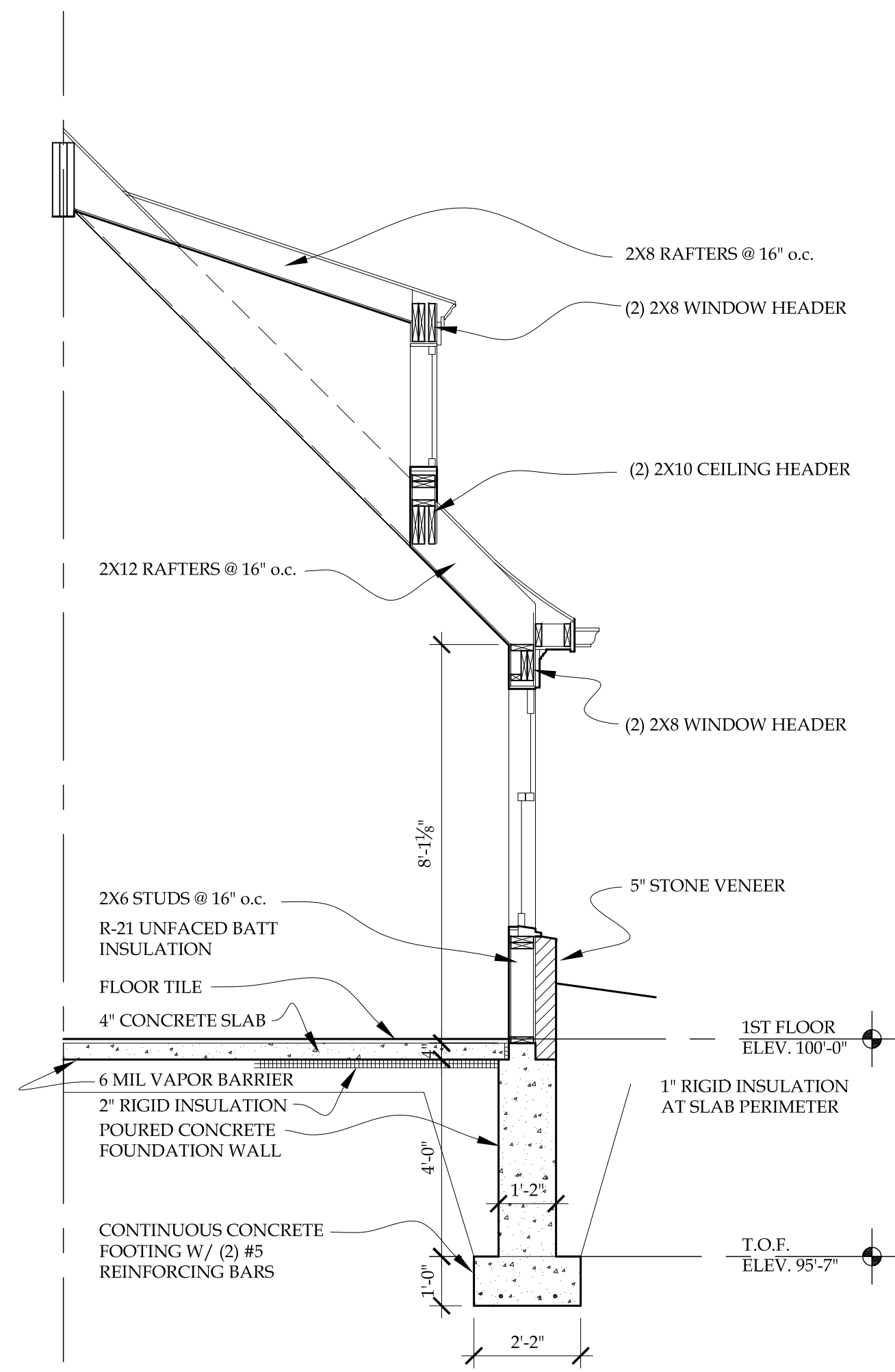
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WILPINE
 5871 HIGHWAY 83
 CHENEQUA - WISCONSIN

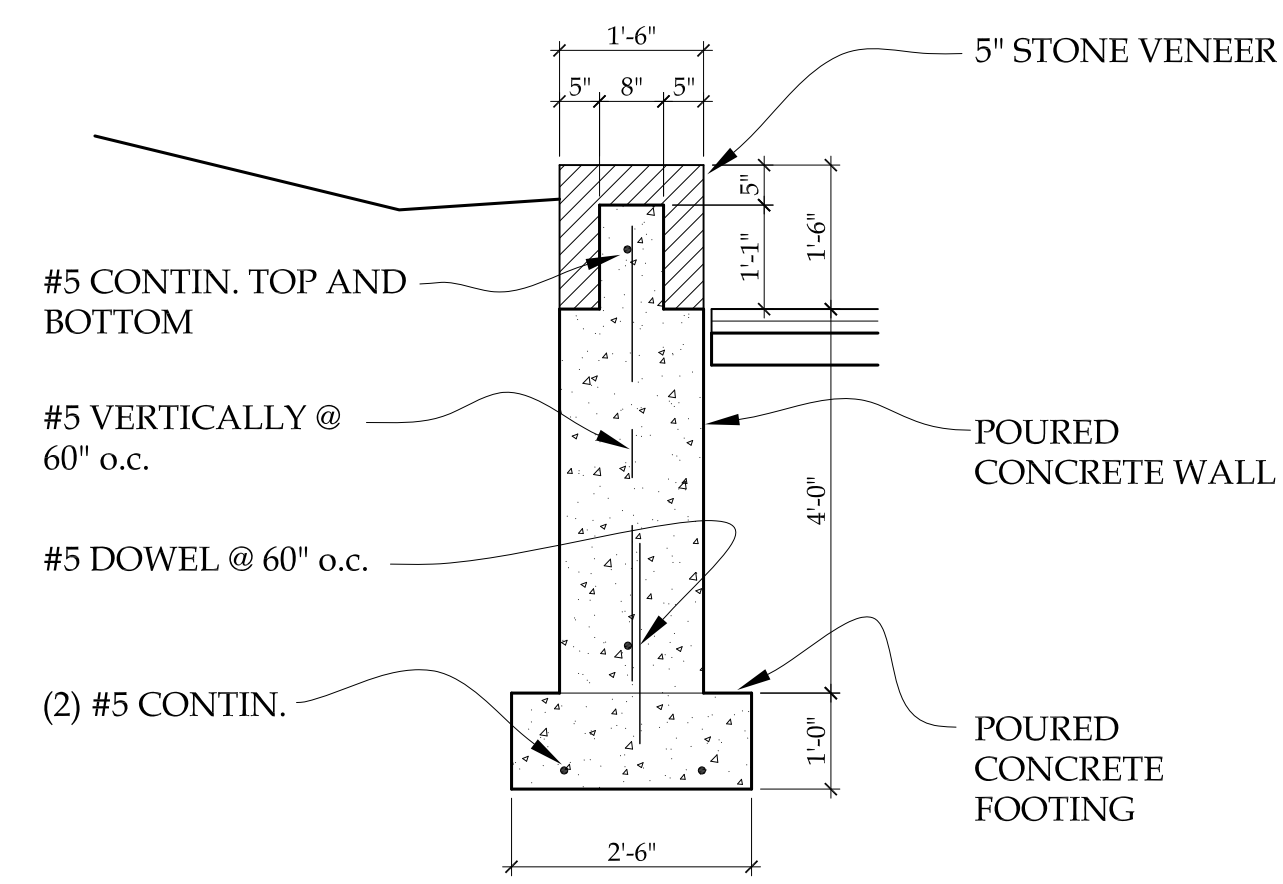
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 PROJECT NO. 1607
 SHEET
 BOATHOUSE
BH-2

PRELIMINARY - NOT FOR CONSTRUCTION



1 SECTION
BH-3 $\frac{3}{8}'' = 1'-0''$



2 SECTION AT RETAINING WALL
BH-3 $\frac{1}{2}'' = 1'-0''$

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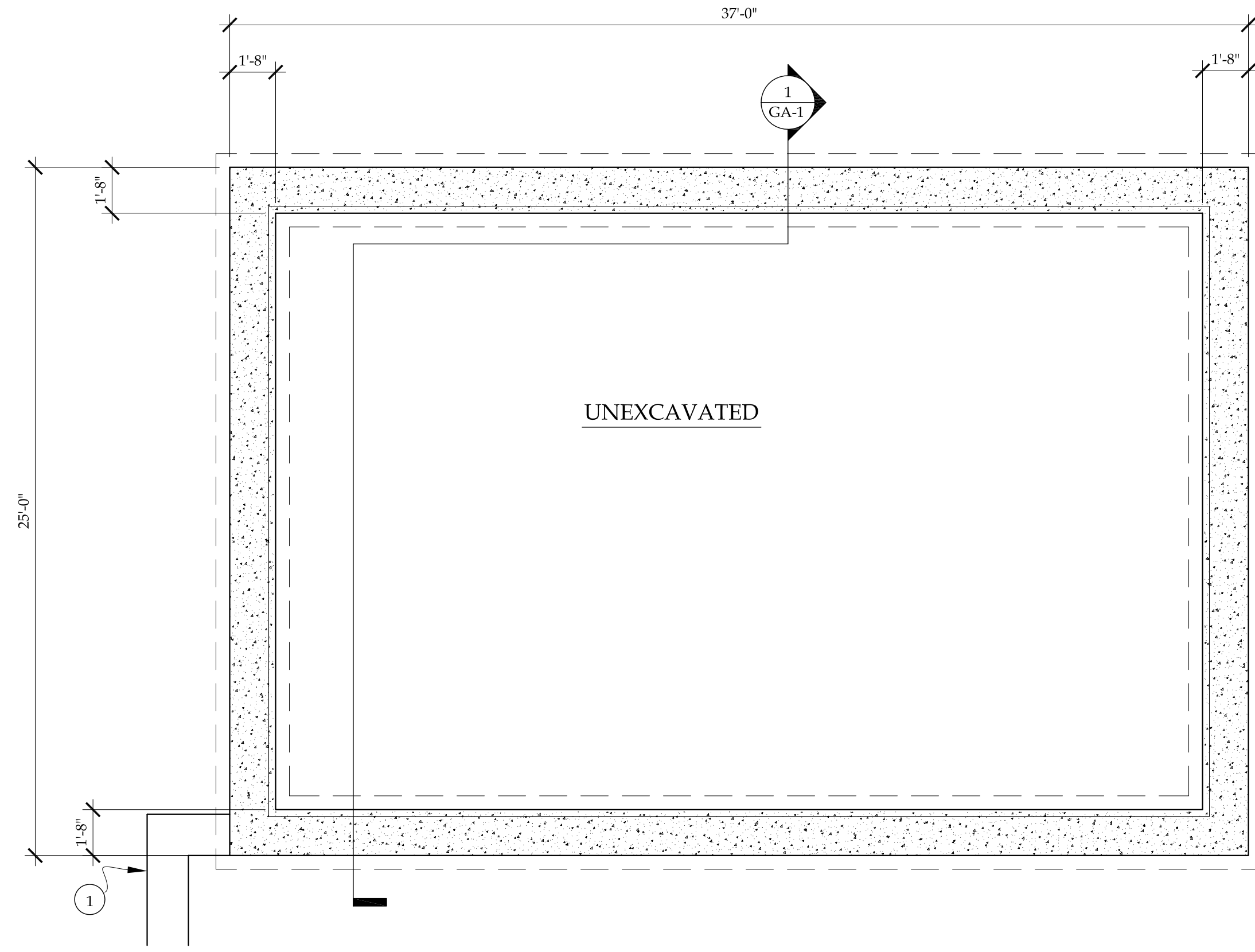
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PROJECT NO. 1607

SHEET

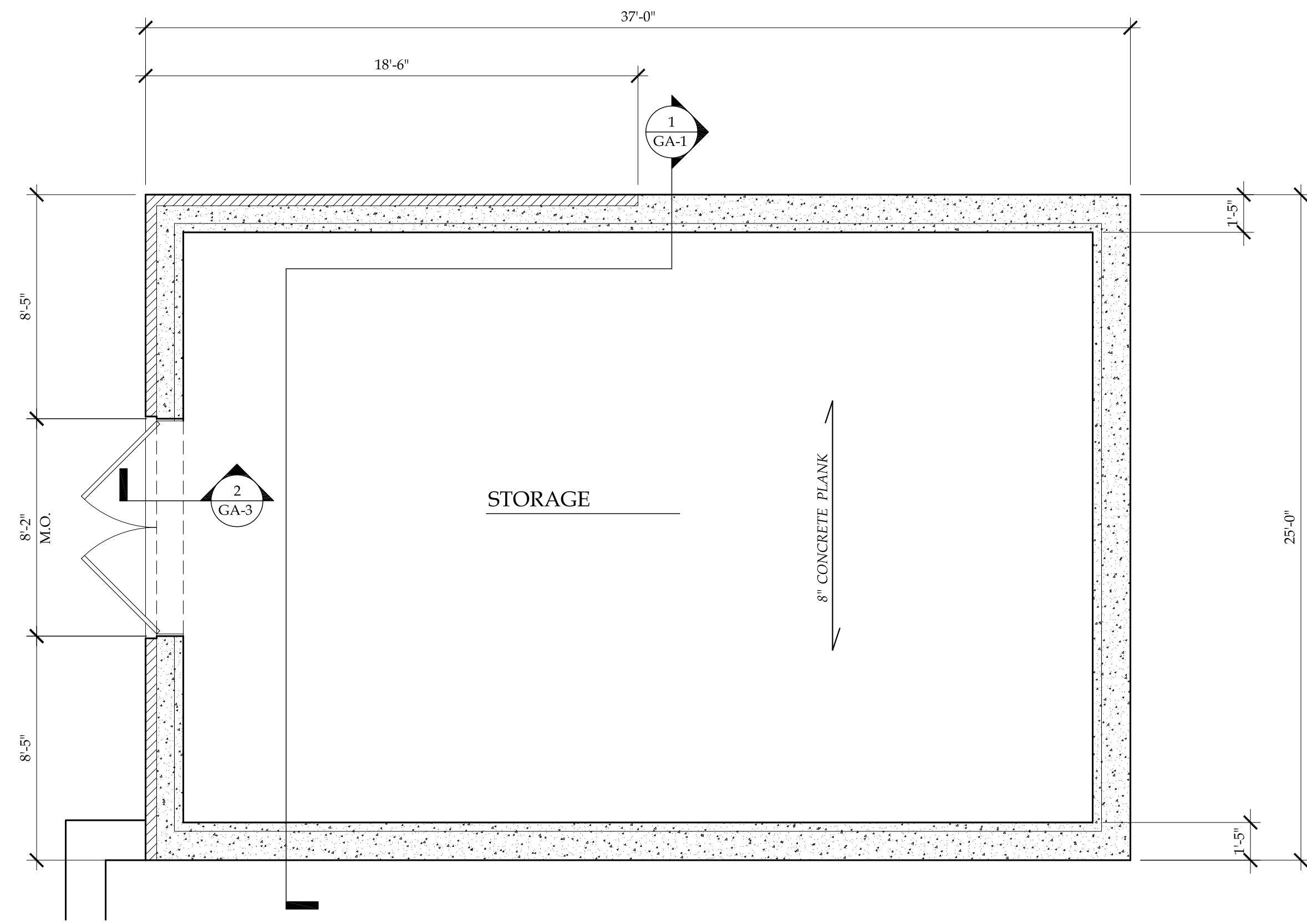
BOATHOUSE
BH-3

PRELIMINARY - NOT FOR CONSTRUCTION



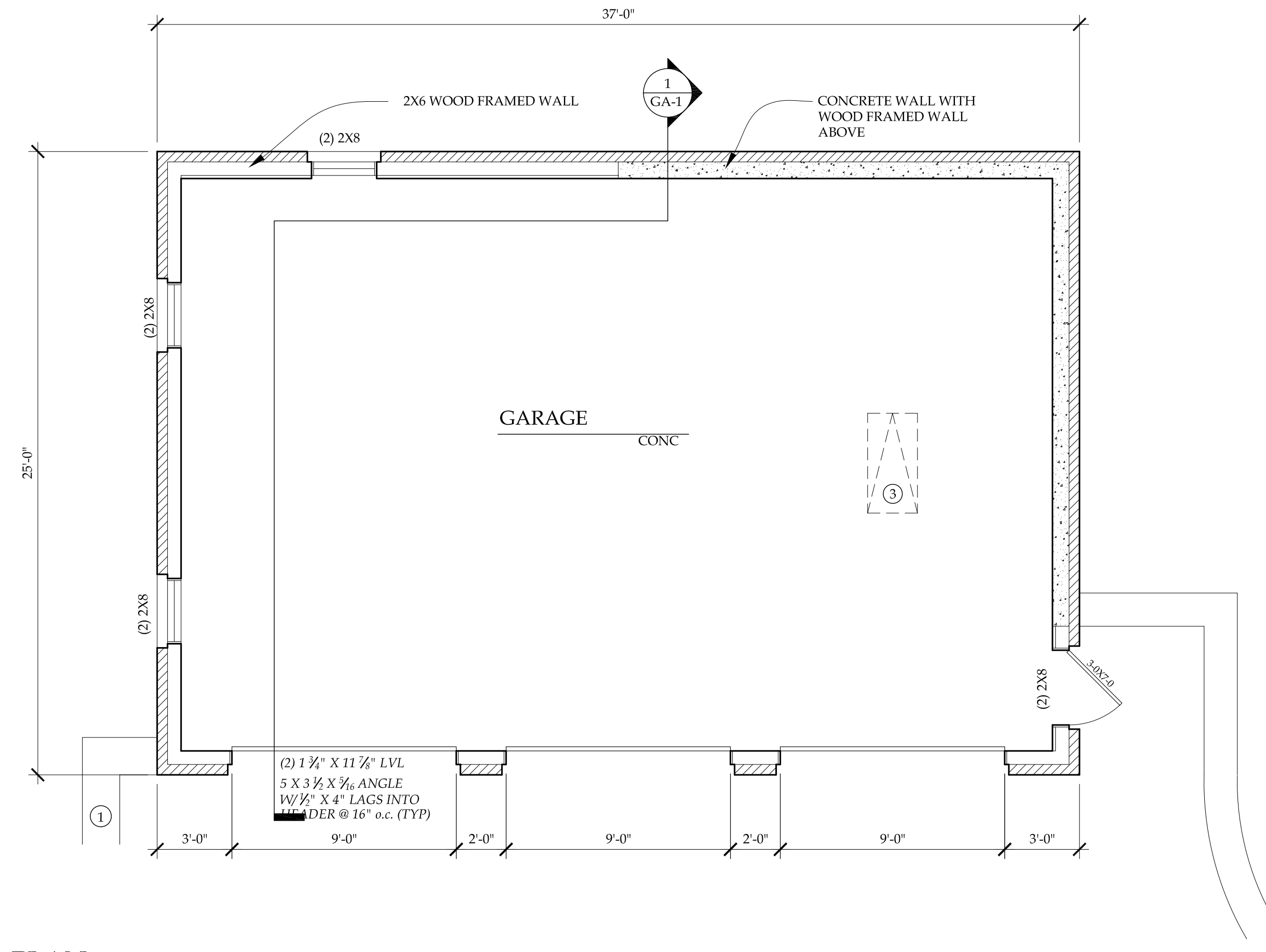
GARAGE FOUNDATION PLAN

NORTH
1/4" = 1'-0"



GARAGE LOWER LEVEL PLAN

NORTH
1/4" = 1'-0"



GARAGE PLAN

NORTH
1/4" = 1'-0"

GARAGE PLAN NOTES

- ① SEE SEPARATE DRAWING S SHEET S-102 FOR STONE-CLAD CONCRETE RETAINING WALL
- ②
- ③ PULL-DOWN LADDER FOR ATTIC ACCESS

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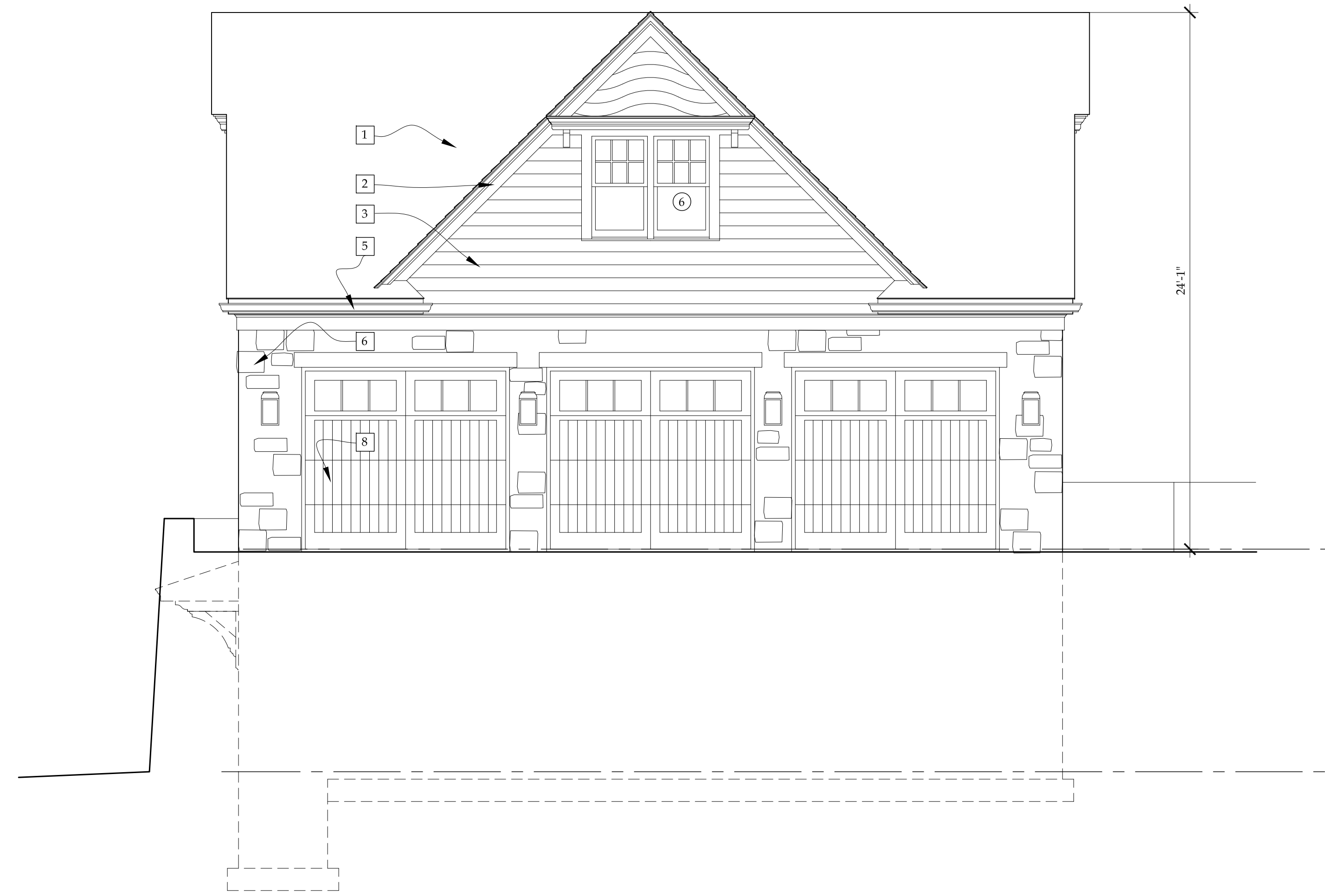
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PROJECT NO. 1607

SHEET

GARAGE
GA-1

PRELIMINARY - NOT FOR CONSTRUCTION



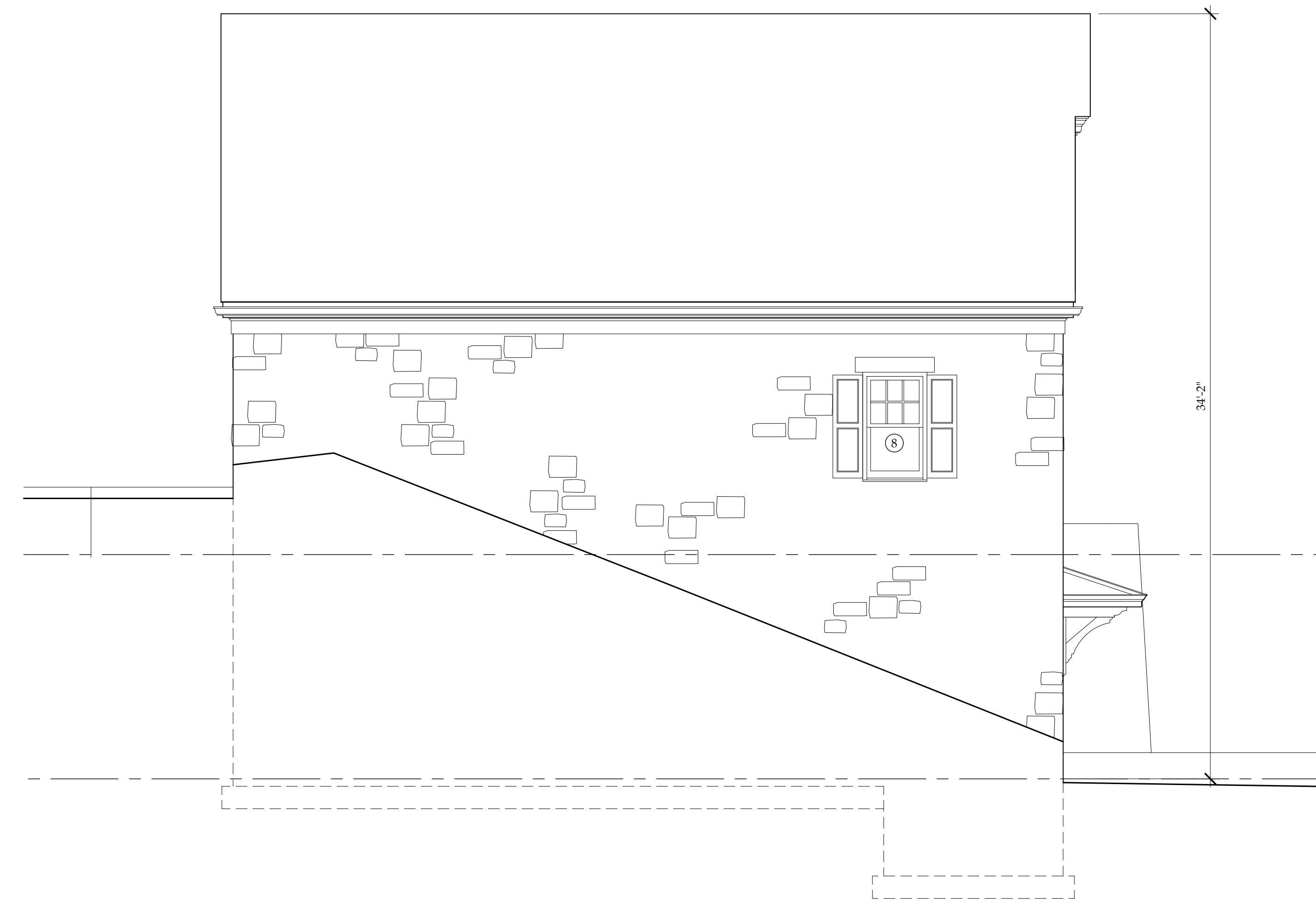
1 SOUTH ELEVATION
GA-2

1/4" = 1'-0"



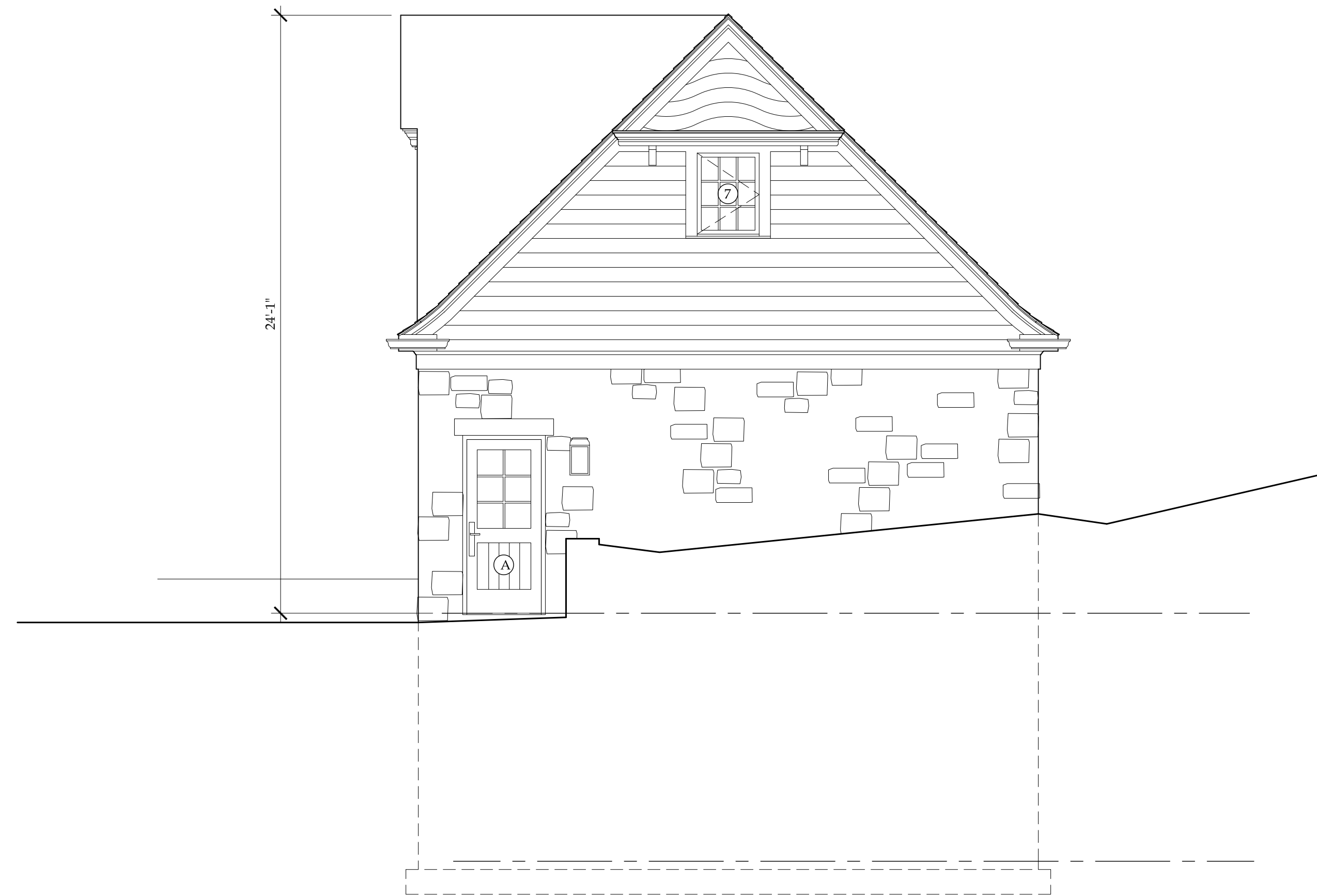
2 WEST ELEVATION
GA-2

1/4" = 1'-0"



3 NORTH ELEVATION
GA-2

1/4" = 1'-0"



4 EAST ELEVATION
GA-2

1/4" = 1'-0"

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KEYED ELEVATION NOTES

- A CUSTOM MILLWORK DOOR

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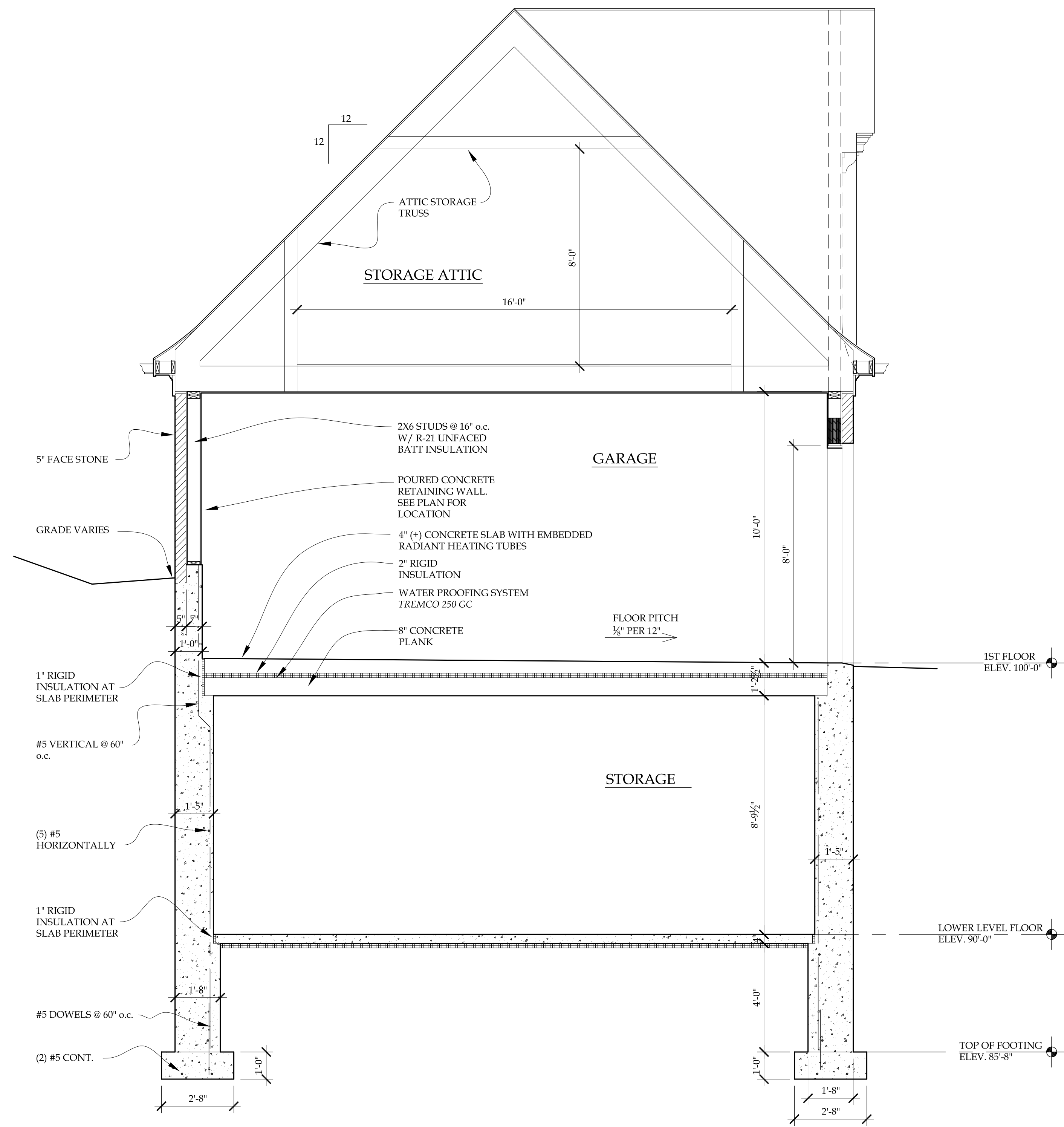
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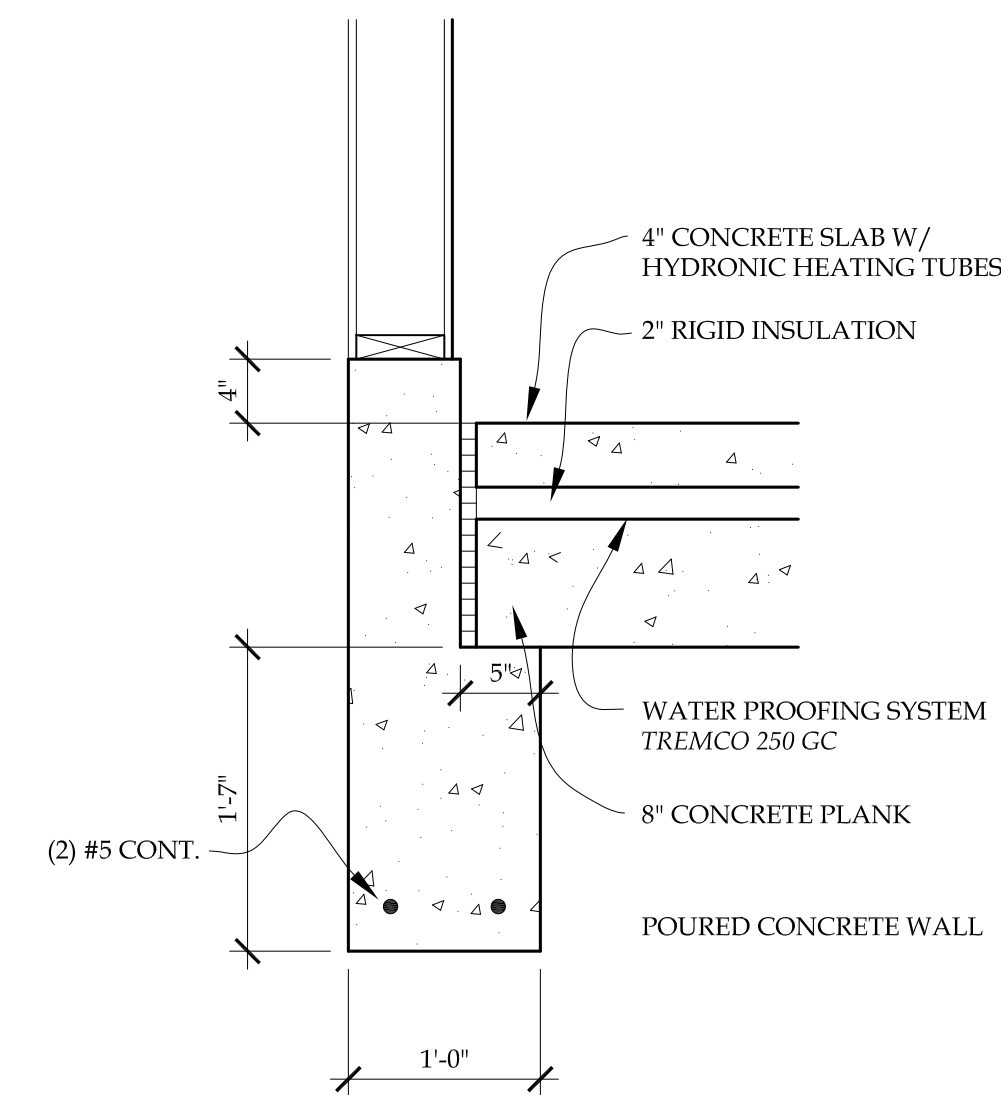
GARAGE
GA-2

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1
GA-3 SECTION

$\frac{3}{8}'' = 1'-0''$



2
GA-3 CONCRETE BEAM AT DOOR 1" = 1'-0"
FACE STONE NOT SHOWN

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SHEET	

GARAGE
GA-3