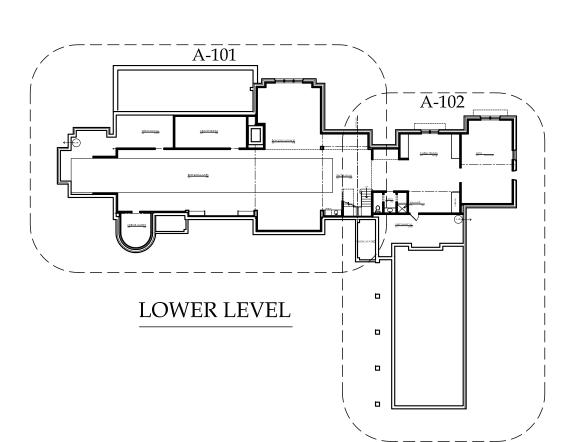
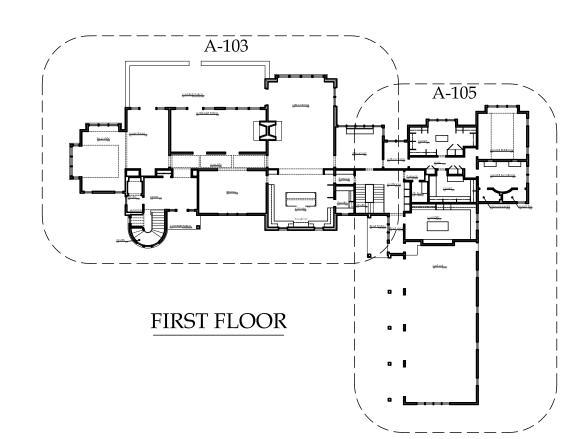
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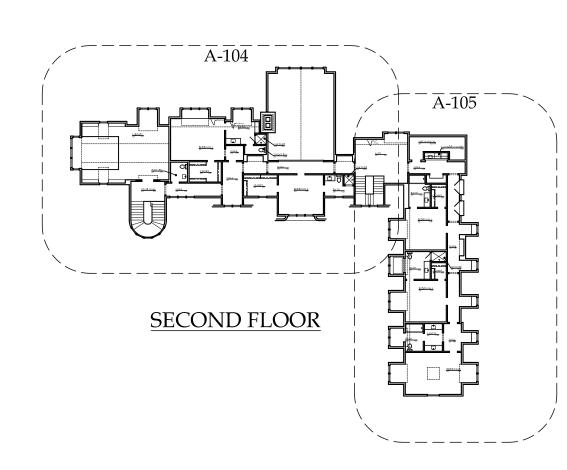
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RESIDENCE









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 / 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 $4\frac{1}{2}$ " - 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" HALF-ROUND. OUTBUILDINGS TO HAVE 5" HALF-ROUND GUTTERS. SEE SEPARATE EXTERIOR DETAIL DRAWINGS.

ELEVATION INFORMATION

ELEVATION 100'-0" REFERS TO TOP OF FINISHED FIRST FLOOR = GRADING PLAN/TOPO MAP ELEVATION 929.5'

TYPICAL TOP OF FOUNDATION WALL IS 1'-7" BELOW ELEVATION 100"-0" = ELEVATION 98'-5" IN THE ARCHITECTURAL DRAWINGS. SEE FOUNDATION PLAN FOR EXCEPTIONS.

TOP OF STEEL = TOP OF FOUNDATION WALL

SEE SEPARATE DRAWINGS FOR INFORMATION REGARDING DETACHED GARAGE AND BOATHOUSE.

BUILDING INFORMATION

TOTAL ALL AREAS

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 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

INCLUDED IN THIS SET:	SHEET NR:	CONTENTS:	REVISIONS:	DA
G-101	G-101	INDEX, BUILDING INFORMATION, KEY PLANS		
S-101	S-101	FOUNDATION PLAN SOUTH		
S-102	S-102	FOUNDATION PLAN NORTH		
S-103	S-103	RETAINING WALL PLAN AND SECTIONS		
S-104	S-104	LATERAL BRACING PLAN AND DETAILS		
A-101	A-101	LOWER LEVEL PLAN SOUTH		
A-102	A-102	LOWER LEVEL PLAN NORTH		
A-103	A-103	1ST FL PLAN SOUTH		
A-104	A-104	2ND FL PLAN SOUTH		
A-105	A-105	1ST FL PLAN NORTH, 2ND FL PLAN NORTH		
A-106	A-106	ROOF PLAN		
A-201	A-201	EAST ELEVATION		
A-202	A-202	SOUTH ELEVATION		
A-203	A-203	WEST ELEVATION		
A-204	A-204	NORTH ELEVATION		
A-301	A-301	SECTIONS, CONSTRUCTION KEY		
A-302	A-302	SECTIONS		
A-303	A-303	SECTIONS		
A-501	A-501	EXTERIOR DETAILS		
A-502	A-502	EXTERIOR DETAILS		
A-601 A-601		WINDOW SCHEDULE AND CUSTOM WINDOWS		
	F-101	LOWER LEVEL FURNITURE PLAN SOUTH		
	F-102	LOWER LEVEL FURNITURE PLAN NORTH		
	F-103	1ST FL FURNITURE PLAN SOUTH		
	F-104	2ND FL FURNITURE PLAN SOUTH		
	F-105	1ST FL FURNITURE PLAN NORTH, 2ND FL FURNITURE PLAN NORTH		





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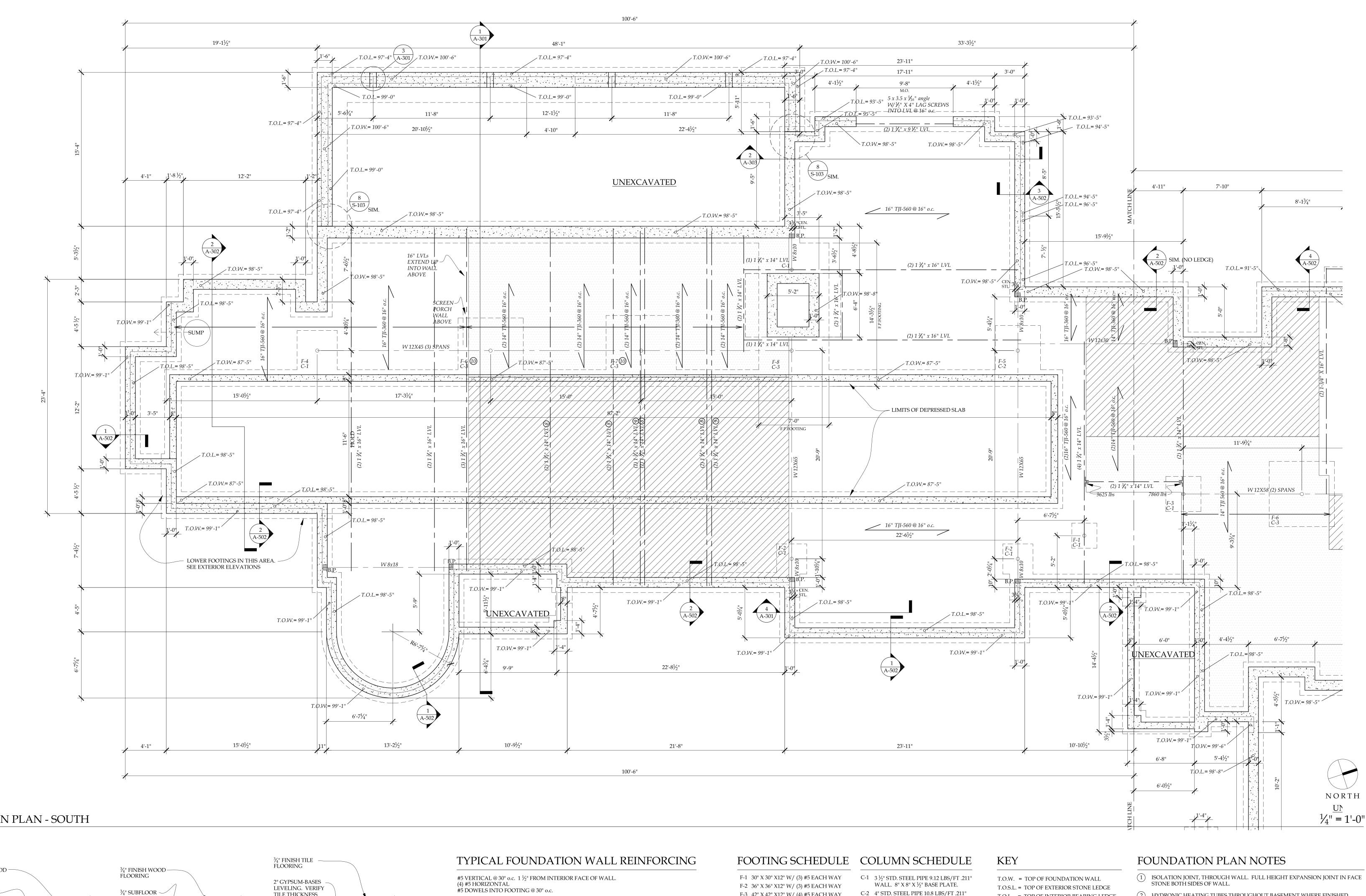
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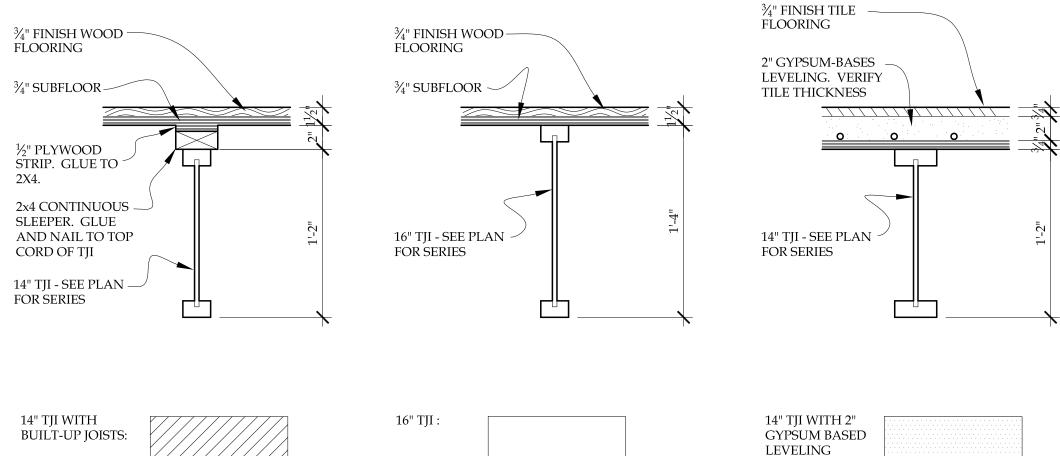
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G_101



FOUNDATION PLAN - SOUTH



SEE RETAINING WALL DETAILS FOR REINFORCING.

SEE SECTION 1/A-301 FOR WEST TERRACE SEAT WALL REINFORCING

TYPICAL FOOTING REINFORCING

(2) #5 CONTINUOUS EXCEPT WHERE NOTED

SEE RETAINING WALL DETAILS FOR REINFORCING. SEE SECTION 1/A-301 FOR WEST TERRACE SEAT WALL REINFORCING F-3 42" X 42" X12" W/ (4) #5 EACH WAY F-4 48" X 48" X12" W/ (4) #5 EACH WAY

FOOTING.

- F-5 54" X 54" X12" 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 ½" 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

T.O.L. = TOP OF INTERIOR BEARING LEDGE WALL. $10'' \times 10' \times \frac{3}{4}''$ BASE PLATE. (FOR SLAB.) C.J. = SAWN CONTROL JOINT C-3 5" EXTRA STRONG STEEL PIPE 20.8 LBS/FT .349" WALL. 14" X 14' X 1" BASE

ELEVATION NOTES

ELEVATION 100'-0" REFERS TO TOP OF FINISHED FIRST FLOOR = TOPO MAP ELEVATION 929.5'

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

- (2) HYDRONIC HEATING TUBES THROUGHOUT BASEMENT WHERE FINISHED FLOORS ARE INSTALLED ARE EMBEDDED IN 1 ½" GYPCRETE BETWEEN WOOD SLEEPERS. SEE SECTION 1/A-301 AND DETAIL 2/A-301. NO HEATING BELOW BOWLING ALLEY.
- (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
- CONNECTED. SEPARATE RETAINING WALL FACE STONE FROM HOUSE FACE STONE WITH FULL HEIGHT EXPANSION JOINT.

(6) HOUSE FOUNDATION WALL AND LANDSCAPE RETAINING WALL ARE NOT

- (7) SUMP PUMPS DISCHARGE INTO DRAIN LINE WHICH ALSO COLLECT DOWN
- 8 LVL FOR SUPPORT BELOW GALLERY/SCREEN PORCH DOOR JAMBS
- (9) LVL FOR SUPPORT BELOW POINT LOADS FROM 2ND FLOOR LVLs AT HALL 211. SEE SECOND FLOOR PLAN.

(10) LOWER COLUMN PAD TO AVOID INTERFERENCE WITH BOWLING ALLEY DEPRESSED SLAB. SEE SECTION 1/A-301

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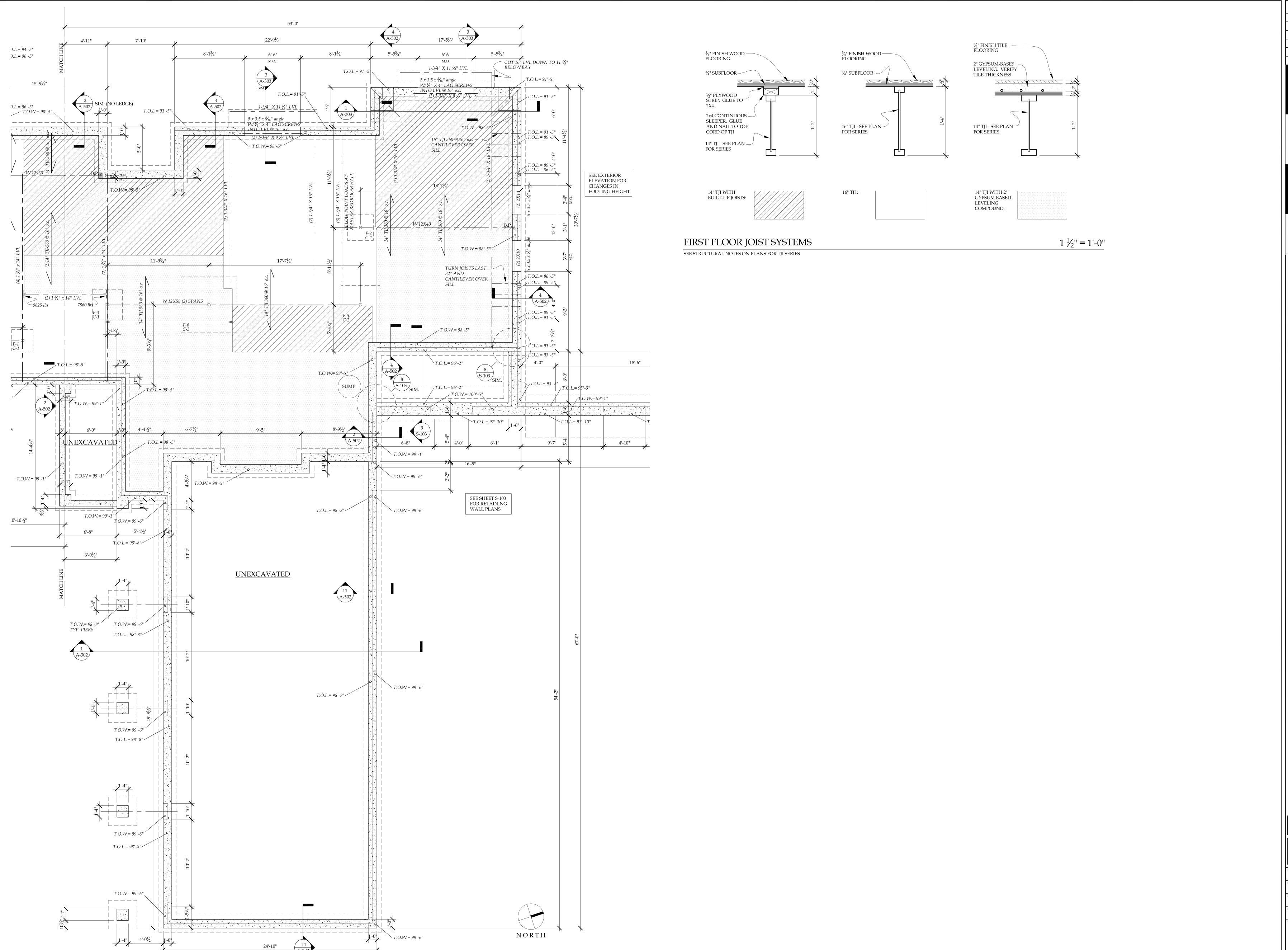
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FIRST FLOOR JOIST SYSTEMS

SEE STRUCTURAL NOTES ON PLANS FOR TJI SERIES

 $1\frac{1}{2}$ " = 1'-0"

COMPOUND:



 $\frac{1}{4}$ " = 1'-0"

FOUNDATION PLAN - NORTH

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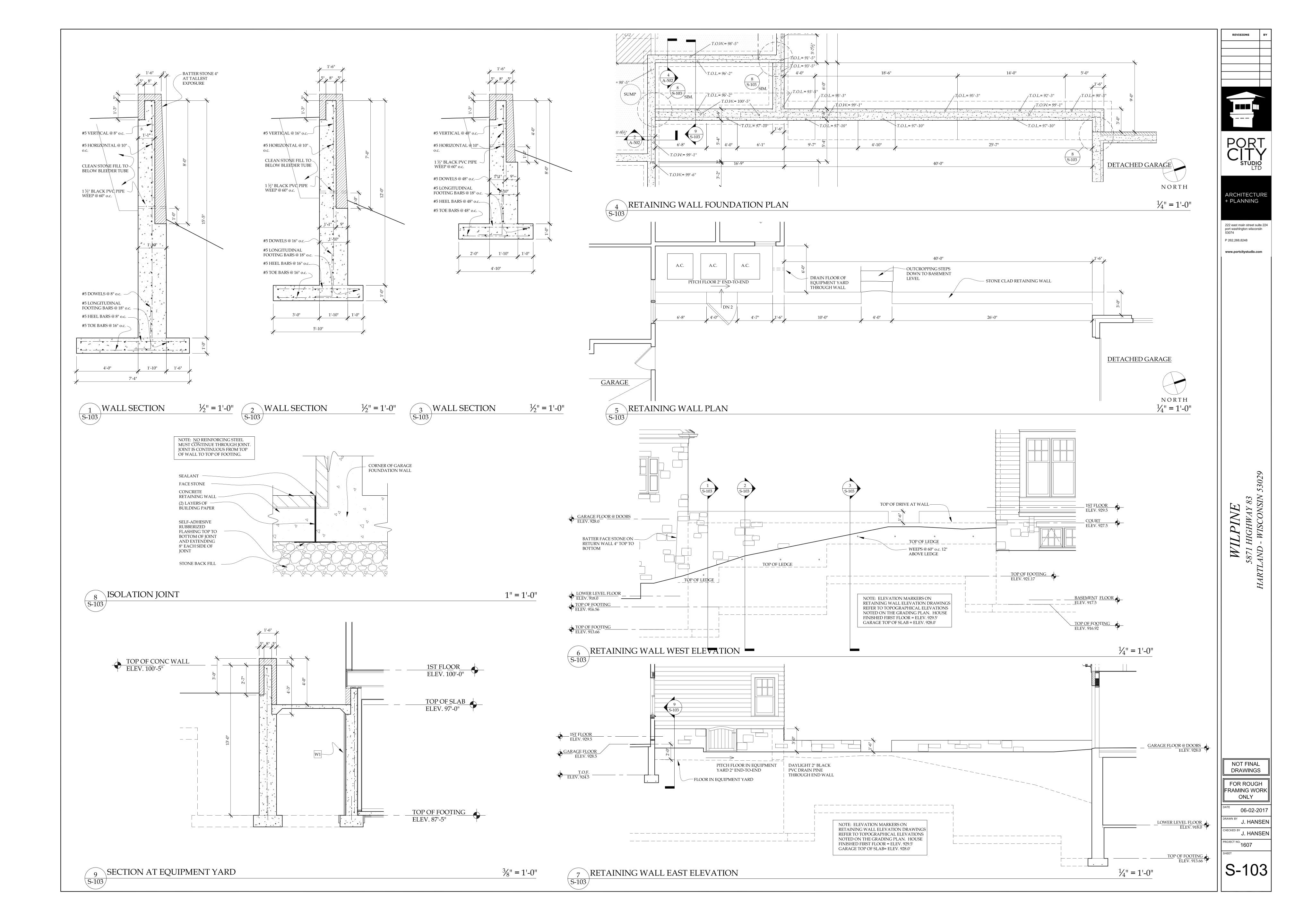
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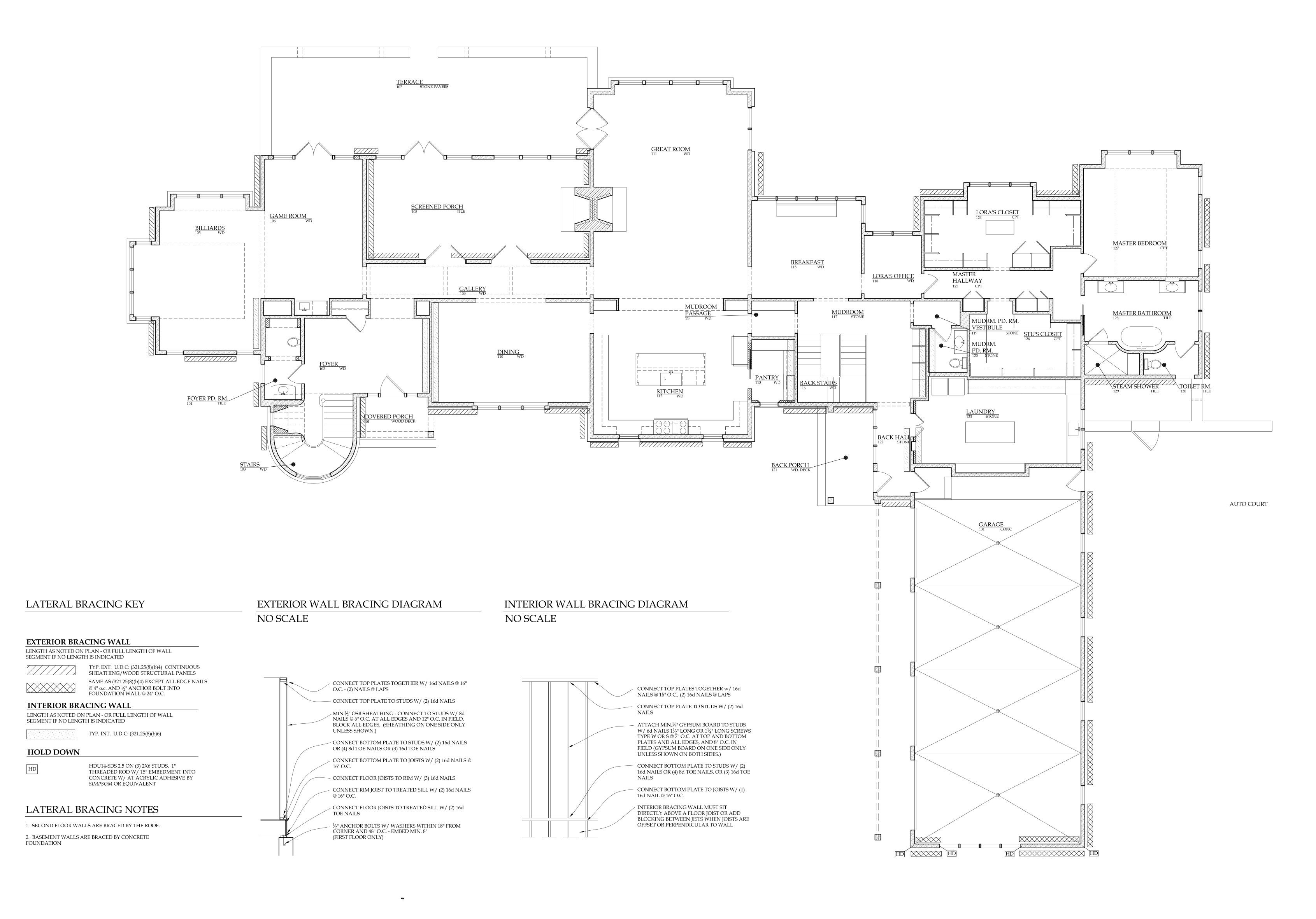
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S-102





1 S-104 LATERAL BRACING PLAN

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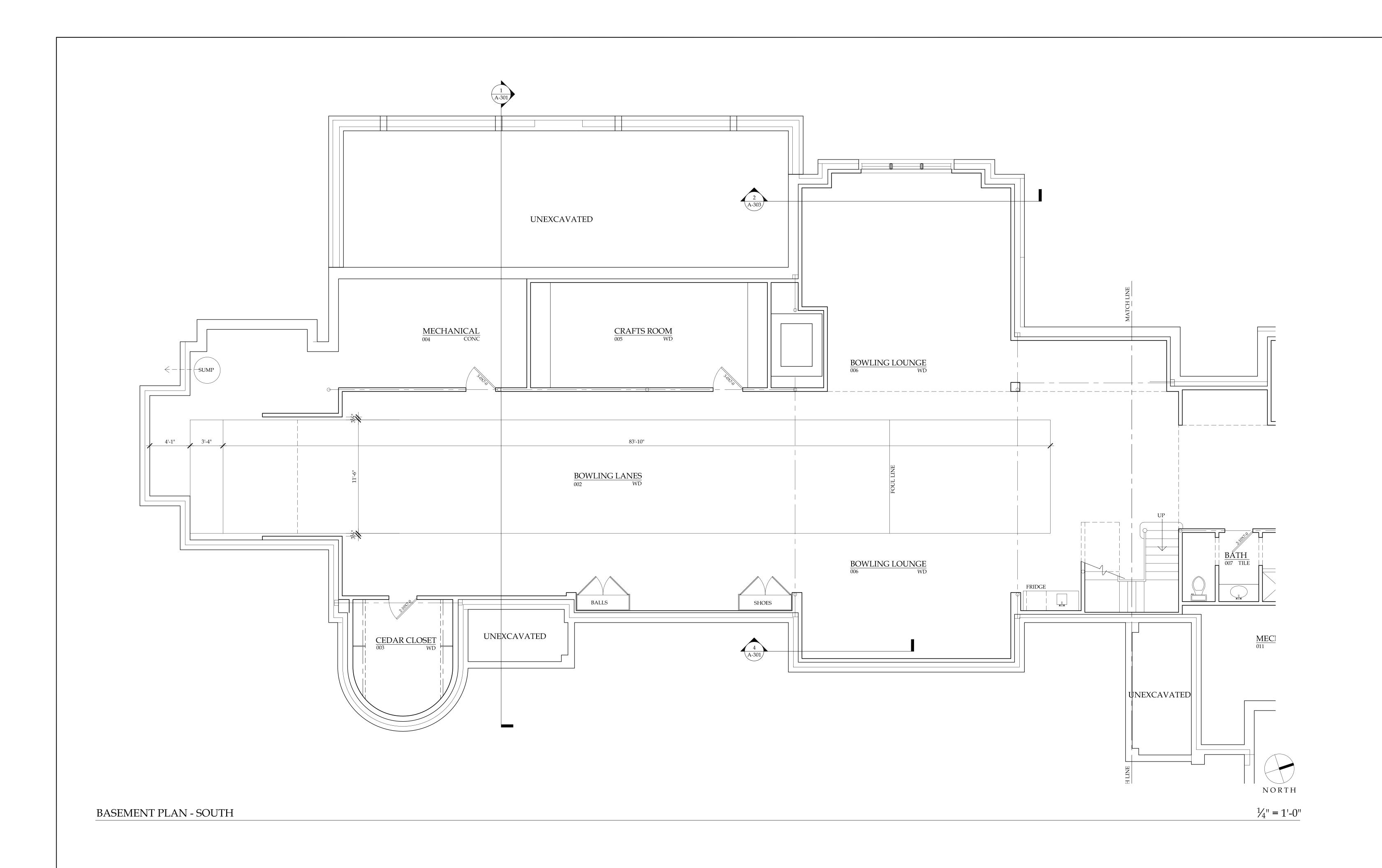
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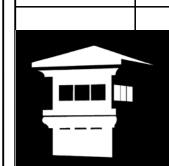
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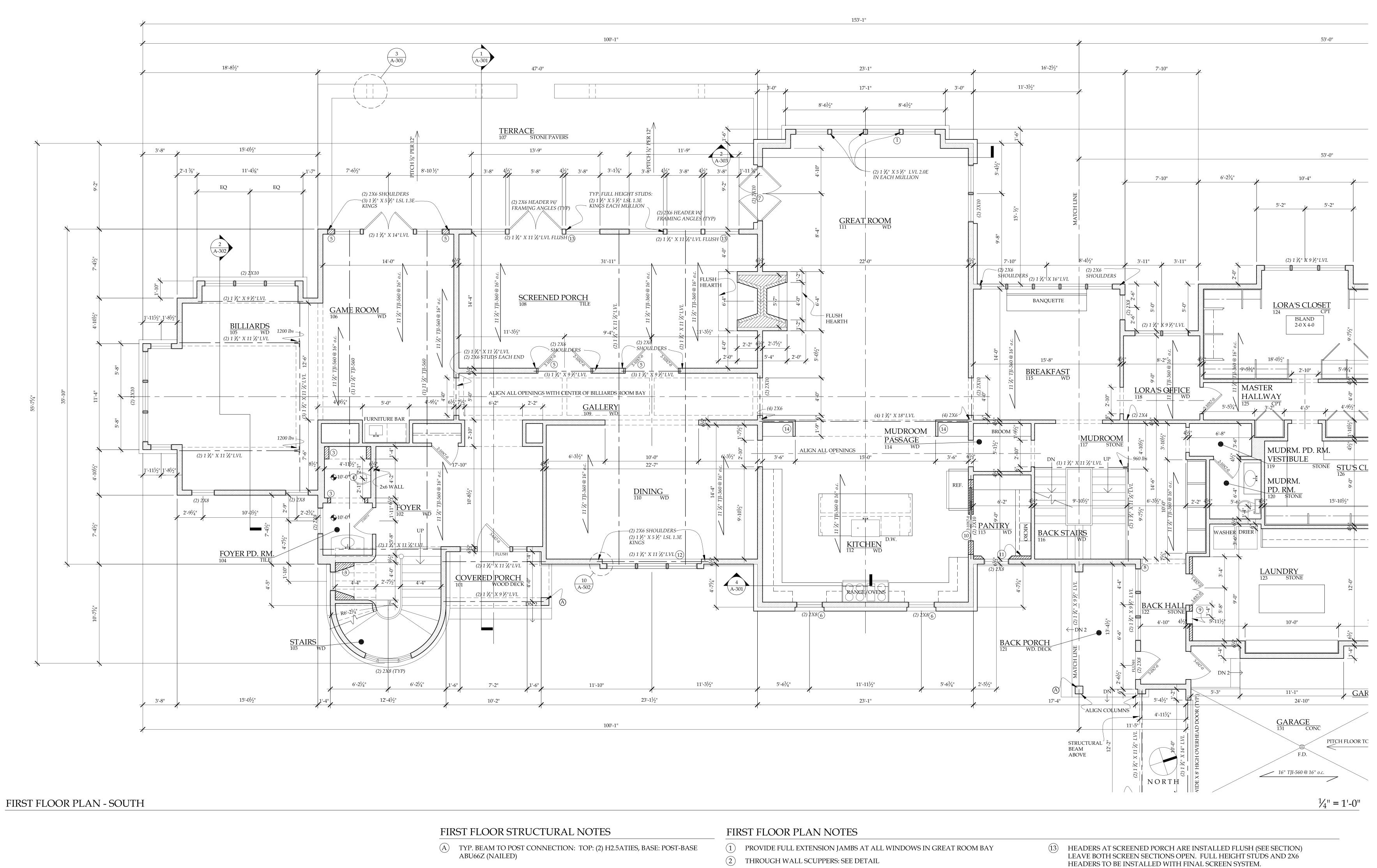
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- INFILL FRAMING TO BE DETERMINED. INSTALL BASIC WALLS ONLY
- (4) COVE CEILING TO BE FRAMED LATER BELOW 10'-0" FLAT CEILING FRAMING
- (5) DOOR SIZE T.B.D. FRAME OPENING AS SHOWN WITH DOTTED WALLS. HEADER TO BE TIGHT TO TOP WALL PLATE.
- (6) FRAME WINDOW R.O. 6" WIDER THAN WINDOW SCHEDULE INDICATES (3" ON EACH SIDE OF WINDOW.)
- (7) INSTALL HEADER AT 10'-0" A.F.F.
- (8) ORNAMENTAL JAMBS BY MILLWORKER
- (9) BUILT-IN IRONING BOARD: THICKNESS OF FURRED WALL TO BE DETERMINED. FRAME TOP OF R.O. AT 8'-0" A.F.F.
- (10) EXACT POCKET DOOR LOCATION TO BE DETERMINED. FRAME OPENING
 - ACORDING TO SHOWN DIMENSIONS (DOTTED WALLS)
- (11) EXTERIOR WALL FURRING THICKNESS TO BE DETERMINED. FRAME TYPICAL EXTERIOR 2X6 WALL ONLY.
- (12) INSTALL HEADER TIGHT TO UNDERSIDE OF TOP WALL PLATE. SEE ELEVATION.

- 14) USE 2 ½" STUDS AROUND CABINETS
- (15) WALL RADIUS WILL BE PROVIDED WHEN TUB SELECTION IS VERIFIED

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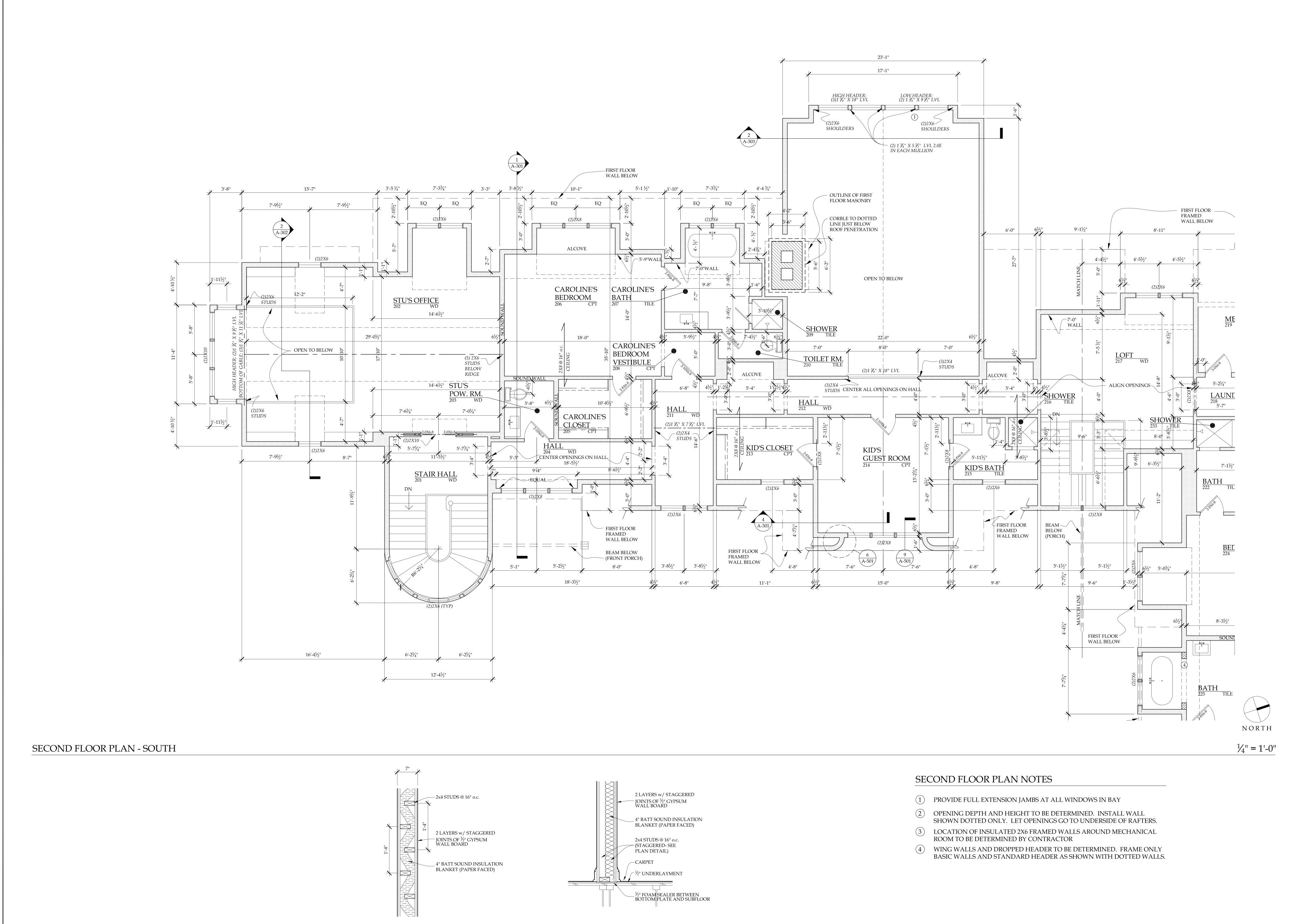
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1'' = 1'-0''

SECOND SOUND WALL DETAILS





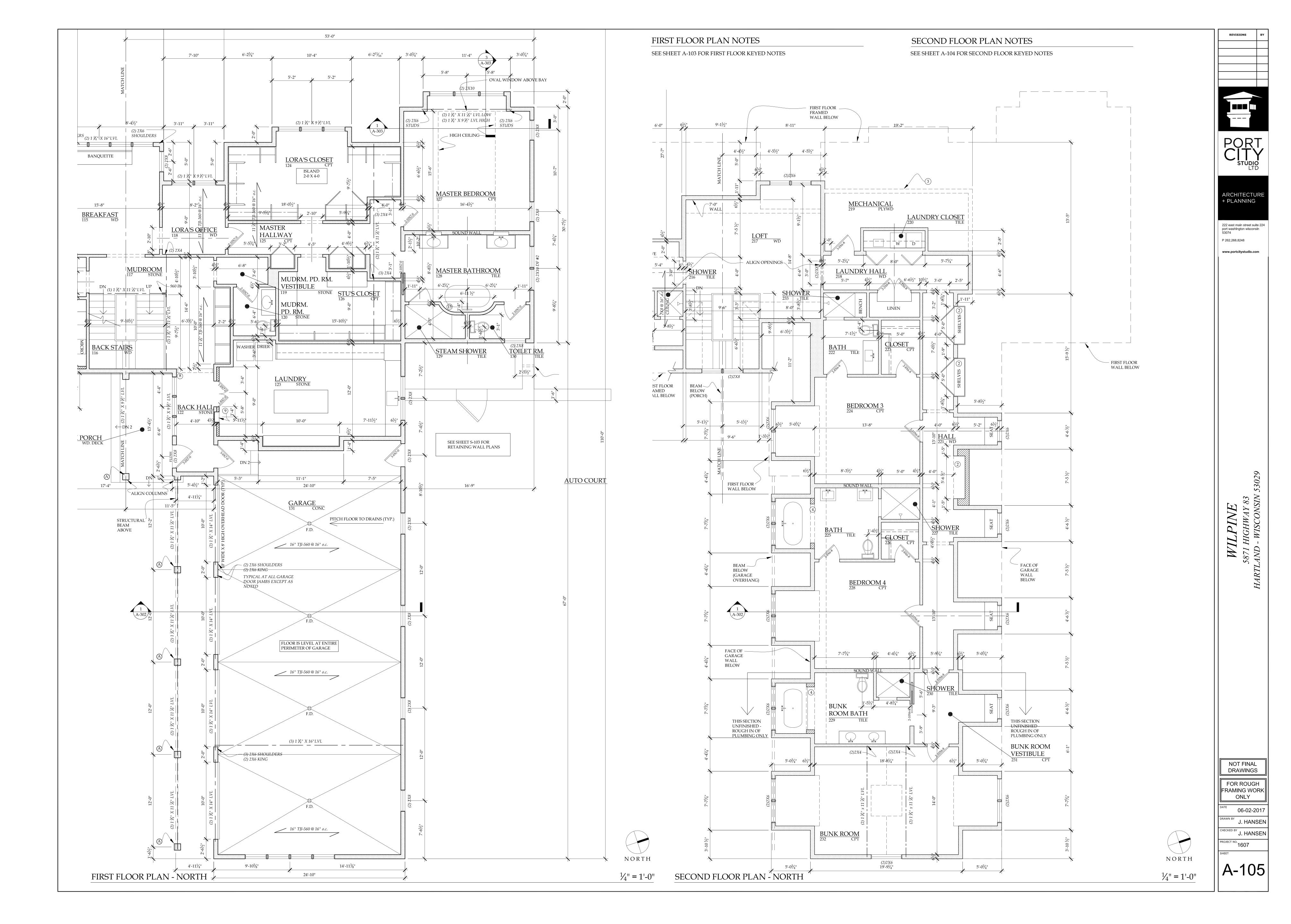
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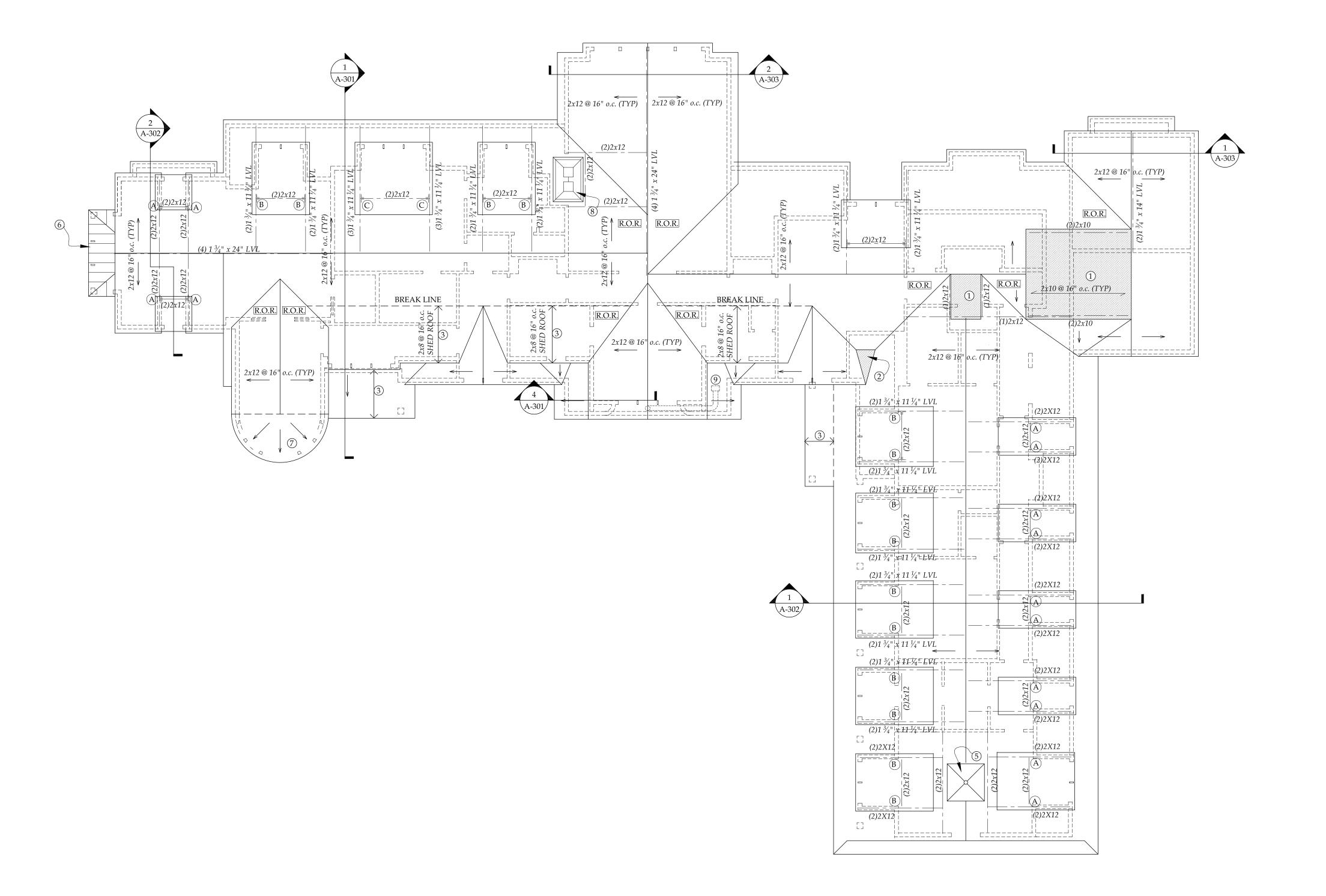
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KEYED ROOF PLAN NOTES

- 1 LOW PITCHED EPDM ROOF. SEE CONSTRUCTION KEY. CREATE MINIMUM ¼" PER FOOT PITCH TO ALL EXTERIOR EDGES. ALL VISIBLE EDGES WHERE EPDM MEETS CEDAR SHINGLES MUST BE HORIZONTAL.
- 2 COPPER SADDLE
- 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" HALF-ROUND
- (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
- © 2100 lbs

LVL CONNECTIONS

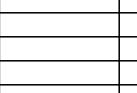
CONNECT (4) 1 $^3\!4$ " X 24" LVLs WITH (3) ROWS OF 6 $^3\!4$ " TRUSSLOK 16" o.c.

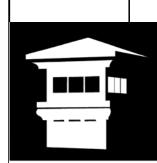
ROOF OVER ROOF CONSTRUCTION

R.O.R INDICATES ROOF OVER ROOF FRAMING



ROOF PLAN $\frac{1}{8}$ " = 1'-0"









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1ST FLOOR ELEV. 100'-0" GARAGE FLOOR ELEV. 99'-0"

 $\frac{1}{4}$ " = 1'-0"

TOP OF FOOTING ELEV. 95'-6"

2 PARTIAL SOUTH ELEVATION @ REAR PORCH A-202

SEE S-103 AND FOR DETAILS.

E EXACT SIZE AN CONFIGURATION OF DINING ROOM BAY TO BE DETERMINED.

F INSTALL HEADER TIGHT TO UNDERSIDE OF TOP WALL PLATE

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- 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
- B CUSTOM MILLWORK SCREEN SYSTEM
- C CUSTOM MILLWORK WINDOW. FRAME RECTANGULAR R.O. SHOWN ON ELEVATION IN DOTTED LINE.
- D THIN STONE VENEER ON HOUSE WALL BEYOND EQUIPMENT BAY. SEE S-103 AND FOR DETAILS.
- E EXACT SIZE AN CONFIGURATION OF DINING ROOM BAY TO BE DETERMINED.
- F INSTALL HEADER TIGHT TO UNDERSIDE OF TOP WALL PLATE





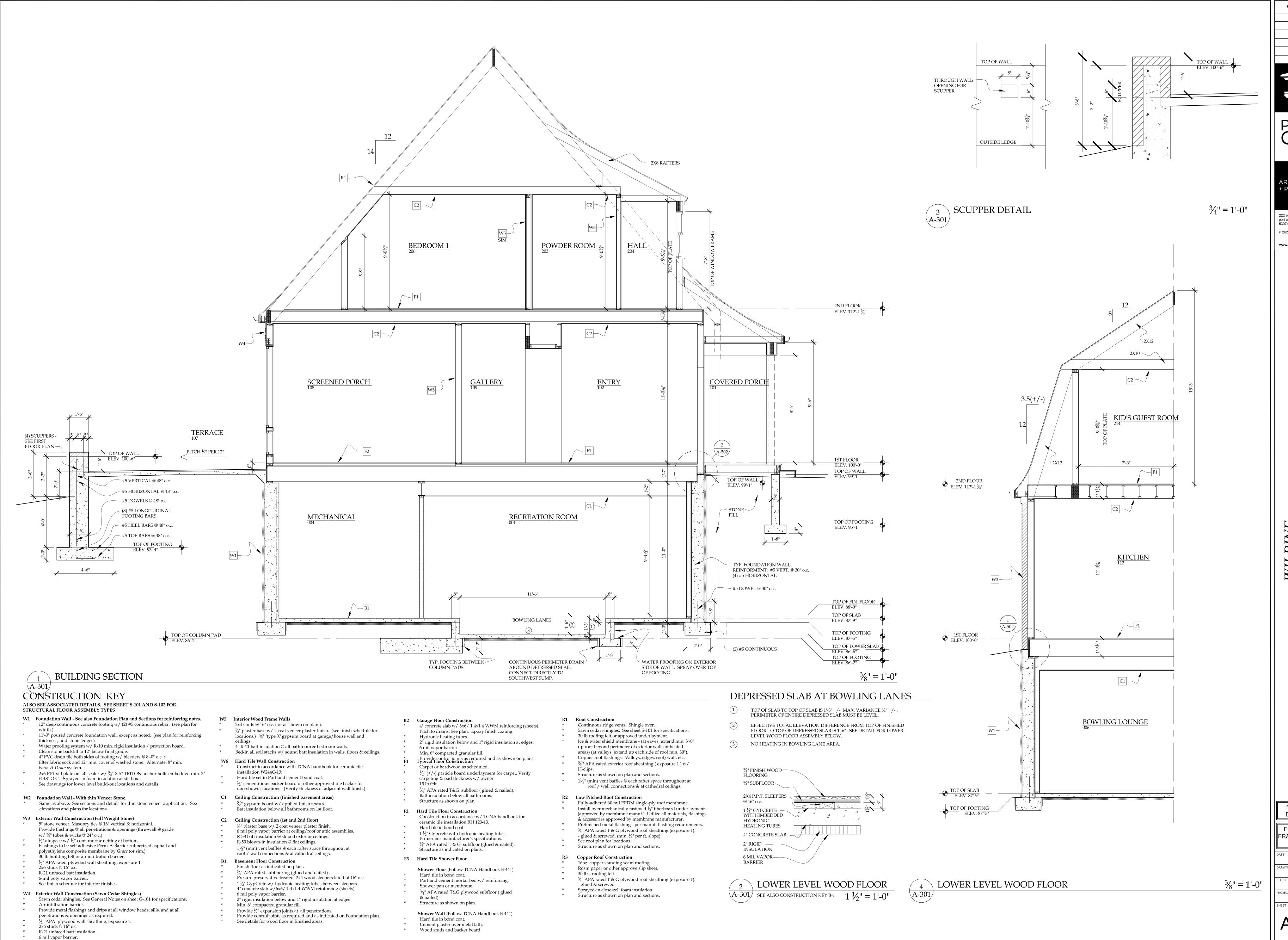
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See finish schedule for interior finishes.





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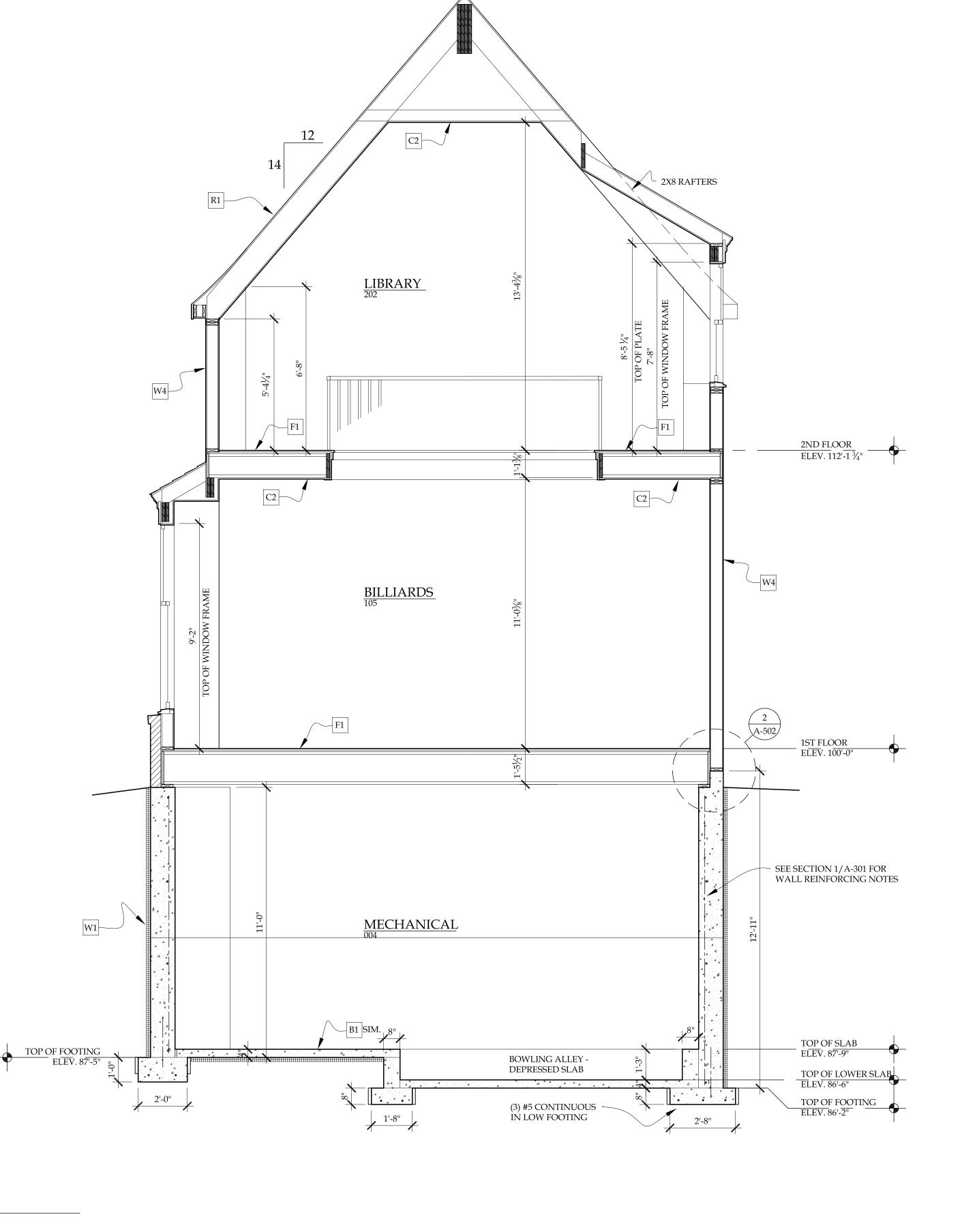
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SECTION AT GARAGE
A-302

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.
- * 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.
- 2x6 PPT sill plate on sill sealer w/ ⁵/₈" X 5" TRITON anchor bolts embedded min. 3" @ 48" O.C. 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/ ¾" tubes & wicks @ 24" o.c.)
 * ½" airspace w/½" 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.
 * ¼" ARA rated physical wall shoothing, exposure 1
- * ½" 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.
- yenetrations & openings as required.

 ½" 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).
 * ½" plaster base w/ 2 coat veneer plaster finish. (see finish schedule for locations.) 5%" '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.
 * ½" cementitious backer board or other approved tile backer for
- non-shower locations. (Verify thickness of adjacent wall finish.)

 C1 Ceiling Construction (finished basement areas)

 * 5/8" gypsum board w/ applied finish texture.

 * Batt insulation below all bathrooms on 1st floor.
- C2 Ceiling Construction (1st and 2nd floor)
 * ½" 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.
 * 1½" (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 (glued and nailed)

 * Presure 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 ½" 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 plan. Epoxy finish coating.
 * Hydronic heating tubes.
 * 2" rigid insulation below and 1" rigid insulation at edges.
 * 6 mil vapor barrier
 * Min. 6" compacted granular fill
- * Min. 6" compacted granular fill.
 * Provide control joints as required and as shown on plans.
 * Carpet or hardwood as scheduled.
 * ½" (+/-) particle board underlayment for carpet. Verify carpeting & pad thickness w/ owner.
 * 15 lb felt.
 * 3/4" APA rated T&G subfloor (glued & nailed).
- * Structure as shown on plan.
 F2 Hard Tile Floor Construction
 * Construction in accordance w/ TCNA handbook for ceramic tile installation RH 123-13.
 * Hard tile in bond coat.
 * 1½" Gypcrete with hydronic heating tubes.

Batt insulation below all bathrooms.

- Hard the in bond coat.
 1½" Gypcrete with hydronic heating tubes.
 Primer per manufacturer's specifications.
 ¾" 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

* Rosin paper or other approve slip sheet.

* 30 lbs. roofing felt

* 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.

R1 Roof Construction

Continuous ridge vents. Shingle over.

30 lb roofing felt or approved underlayment.

Structure as shown on plan and sections.

R2 Low Pitched Roof Construction

See roof plan for locations.

R3 Copper Roof Construction

* Structure as shown on plan and sections.

16oz. copper standing seam roofing.

Sawn cedar shingles. See sheet S-101 for specifications.

Ice & water shield membrane - (at eaves, extend min. 3'-0"

up roof beyond perimeter of exterior walls of heated

Copper roof flashings: Valleys, edges, roof/wall, etc.

areas) (at valleys, extend up each side of roof min. 30").

 $\frac{5}{8}$ " APA rated exterior roof sheathing (exposure 1) w/

 $1\frac{1}{2}$ " (min) vent baffles @ each rafter space throughout at

Fully-adhered 60 mil EPDM single-ply roof membrane.

& accessories approved by membrane manufacturer.

- glued & screwed. (min. ½" per ft. slope).

Install over mechanically fastened ½" fiberboard underlayment

Prefinished metal flashing - per manuf. flashing requirements.

³/₄" APA rated T & G plywood roof sheathing (exposure 1).

roof / wall connections & at cathedral ceilings.

2 SECTION AT LIBRARY - THROUGH WEST BAY

³/₈" = 1'-0"

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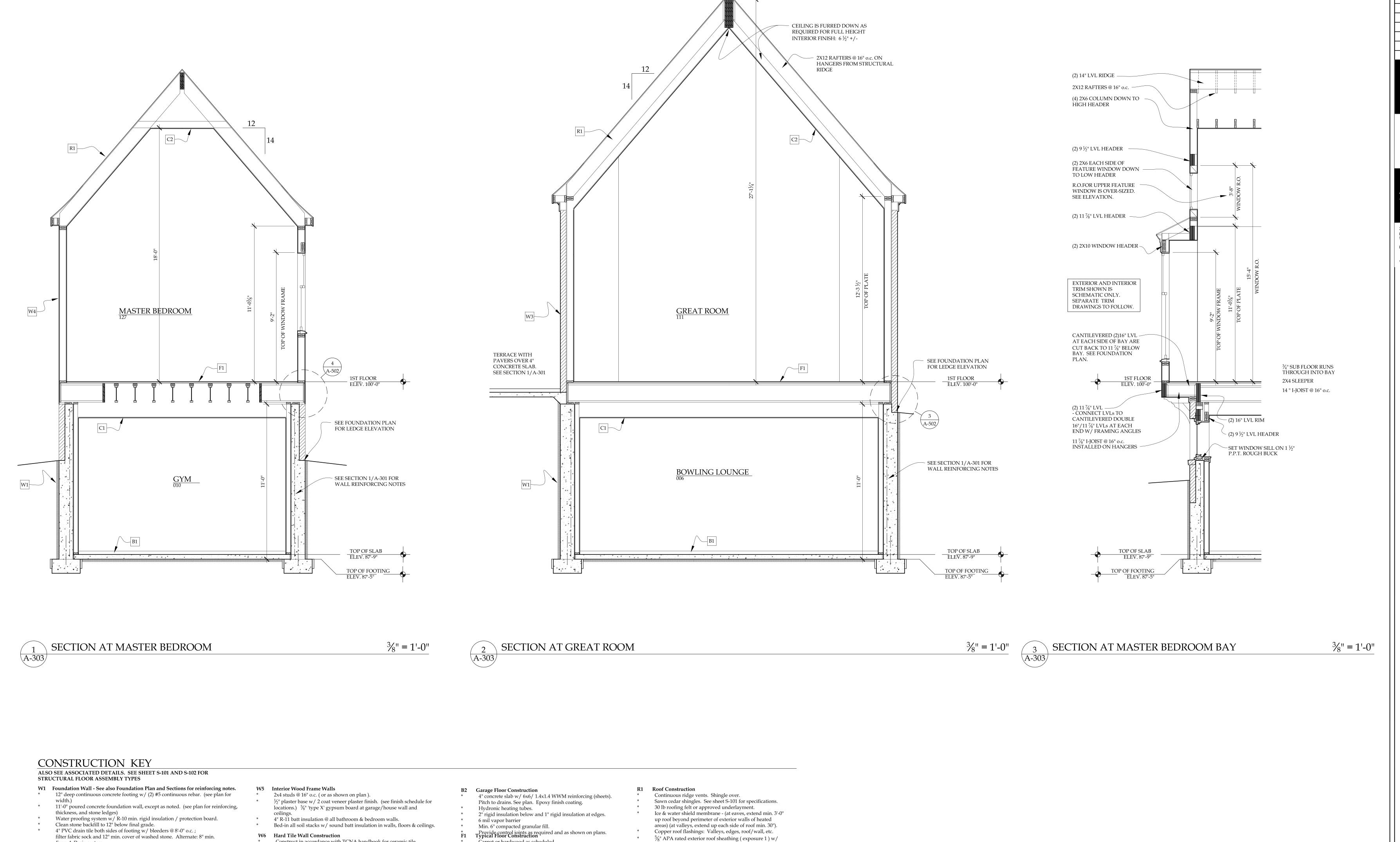
O6-02-2017

DRAWN BY
J. HANSEN

CHECKED BY
J. HANSEN

PROJECT NO. 1607

Δ_302



2x6 PPT sill plate on sill sealer w/ $\frac{5}{8}$ " X 5" TRITON anchor bolts embedded min. 3" @ 48" O.C. 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 $w/\frac{3}{8}$ " tubes & wicks @ 24" o.c.) $\frac{1}{2}$ " airspace w/ $\frac{1}{2}$ " 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. $\frac{1}{2}$ " 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. $\frac{1}{2}$ " 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.

Construct in accordance with TCNA handbook for ceramic tile installation W244C-13:

Hard tile set in Portland cement bond coat. $\frac{1}{2}$ " cementitious backer board or other approved tile backer for non-shower locations. (Verify thickness of adjacent wall finish.) C1 Ceiling Construction (finished basement areas)

 $\frac{5}{8}$ " gypsum board w/ applied finish texture. Batt insulation below all bathrooms on 1st floor. C2 Ceiling Construction (1st and 2nd floor)

 $\frac{1}{2}$ " 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. $1\frac{1}{2}$ " (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 (glued and nailed) Presure preservative treated 2x4 wood sleepers laid flat 16" o.c. $1\frac{1}{2}$ " 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 $\frac{1}{2}$ " expansion joints at all penetrations. Provide control joints as required and as indicated on Foundation plan. See details for wood floor in finished areas.

Carpet or hardwood as scheduled. $\frac{1}{2}$ " (+/-) particle board underlayment for carpet. Verify carpeting & pad thickness w/ owner. 15 lb felt.

 * Structure as shown on plan. **F2** Hard Tile Floor Construction Construction in accordance w/ TCNA handbook for ceramic tile installation RH 123-13. Hard tile in bond coat. $1\frac{1}{2}$ " Gypcrete with hydronic heating tubes. * Primer per manufacturer's specifications. * 3/4" APA rated T & G subfloor (glued & nailed).

* $\frac{3}{4}$ " APA rated T&G subfloor (glued & nailed). Batt insulation below all bathrooms.

* 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. * $\frac{3}{4}$ " 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

Structure as shown on plan and sections.

 $1\frac{1}{2}$ " (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 ½" fiberboard underlayment & accessories approved by membrane manufacturer. Prefinished metal flashing - per manuf. flashing requirements. ³/₄" APA rated T & G plywood roof sheathing (exposure 1). - glued & screwed. (min. $\frac{1}{4}$ " per ft. slope). See roof plan for locations. Structure as shown on plan and sections.

R3 Copper Roof Construction 16oz. copper standing seam roofing. 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.







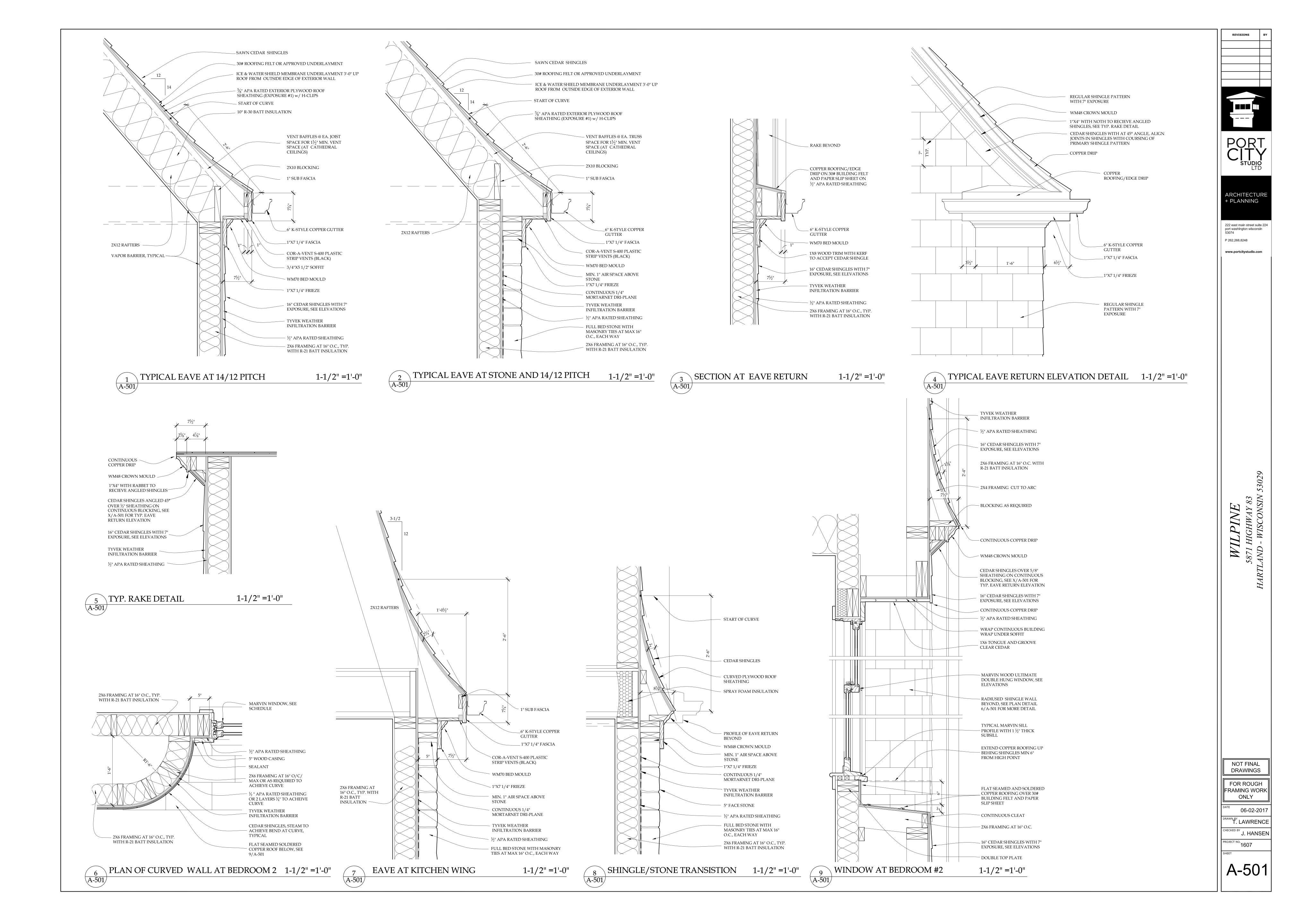
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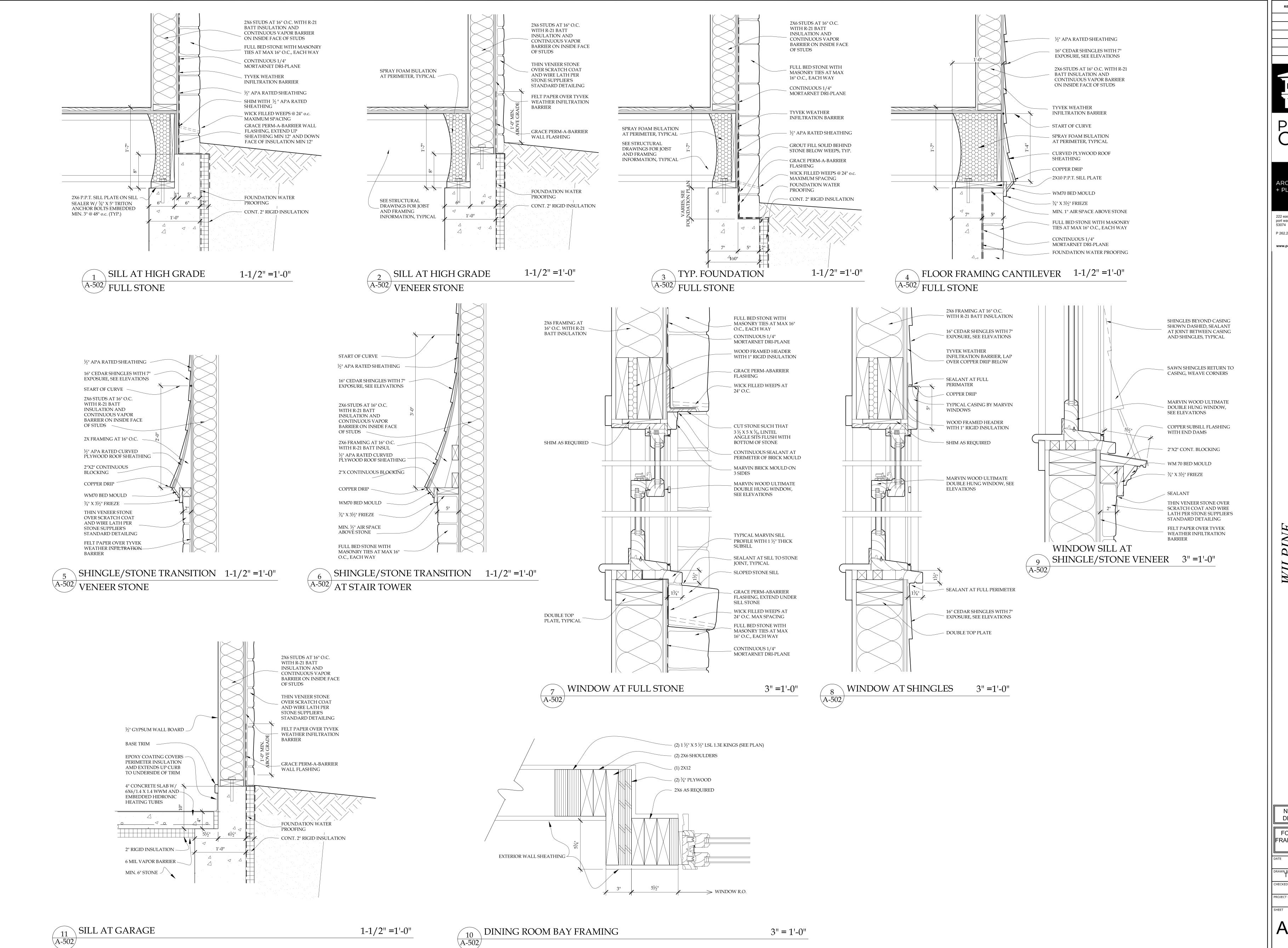
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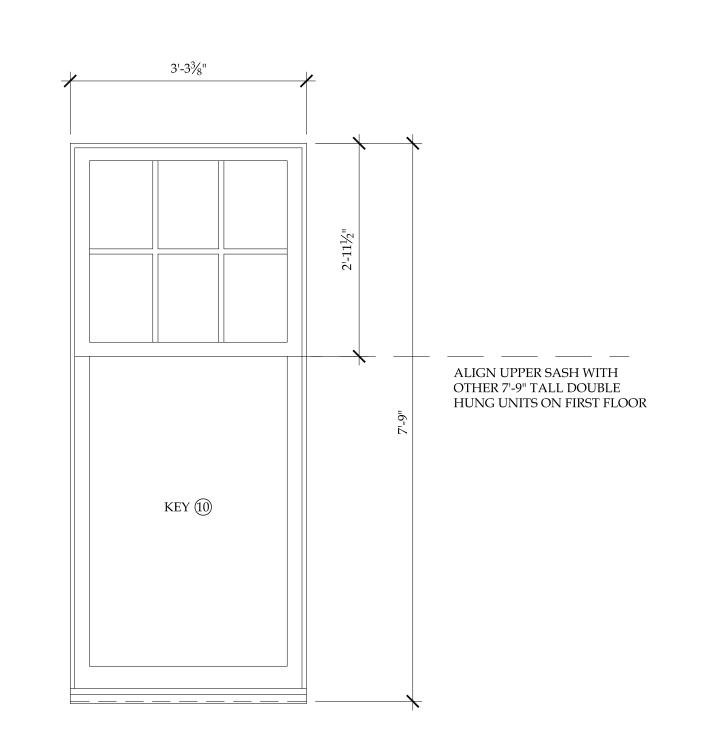
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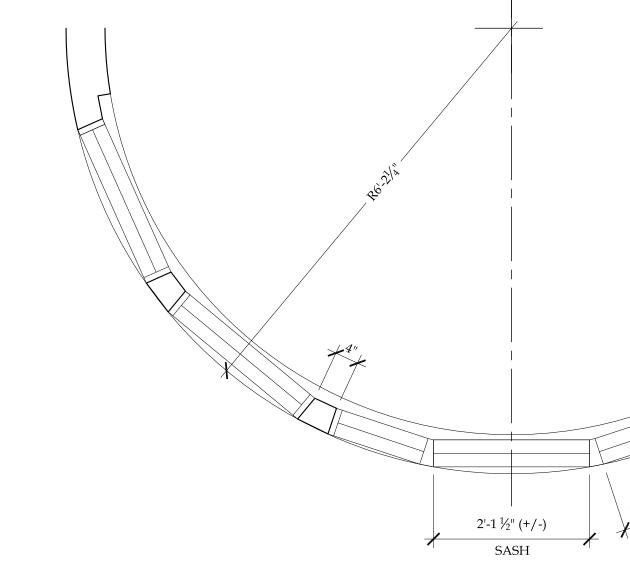
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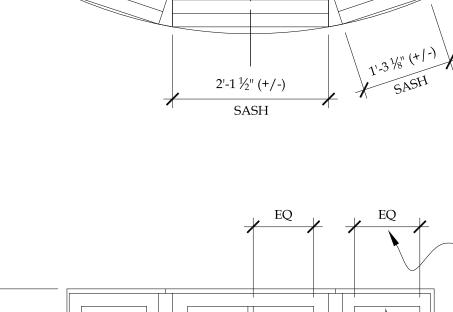
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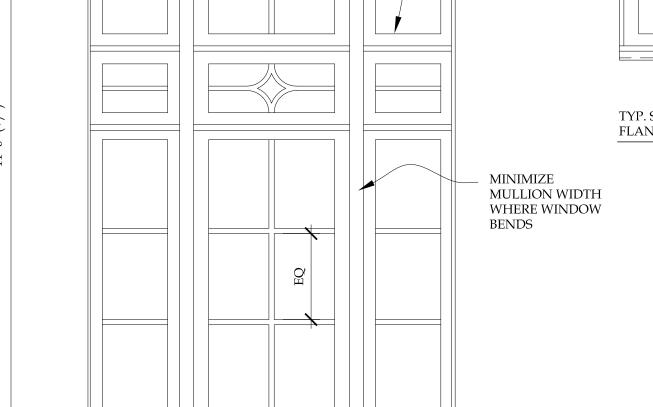




EQ EQUAL LIGHT WIDTH KEY(2) = ALIGN ALL MUNTINS AND — GLASS EDGES

CURVED 1 ½"
SUBSILL SHIPPED

TYP. SECOND FLOOR STAIR FLANKING WINDOWS



WINDOW & FRENCH DOOR **SCHEDULE NOTES**

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

• Cottage Style Double Hung units: See drawings and schedule.

 Contractor to provide supplier's window shop drawings to architect for review before ordering

• All units to be *factory primed*.

• Glass to be $\frac{3}{4}$ " <u>Low-E 272</u> insulated glass with Argon.

• Muntins to be $\frac{7}{8}$ " DSL with aluminum spacer bar between the glass. Muntin patterns as shown on Elevation drawings.

Muntins to have Ogee profile.

• 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 <u>and</u> as confirmed by owner.

• Provide wood framed (factory primed) insect screens for all operable window units: Insect screen to be **black** aluminum mesh.

• Hardware color to be ______.

• 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 installed in stone walls to have site-applied wood brick mould casings at the perimeter head and sides. Profile T.B.D.

• All windows to have $1\frac{1}{2}$ " thick sub sills. units in bays to have sill horns long enough for a continuous sub sill around exterior bay corners. See drawings.

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

Key	Cat. No.	Туре	R.O. (WxH)	Notes:
1	WUDH 2626	Double Hung	2'-8 ³ / ₈ " x 5'-1 ¹ / ₂ "	
2	WUDH	Double Hung Picture	2'-5" x 4'-5 ½"	Installed in curved wall. See plan this sheet.
3	Custom Unit	Fixed Ornamental	See drawing	
4	WUCA 31 3w	Casement	8'-2" x 4'-5 ½"	
5	WUDH 262w	Cottage Double Hung	5'-5 ³ / ₄ " x 5'-7 ¹ / ₂ "	See drawing for upper sash height
6	WUCA 2636	Casement	2'-3" x 3'- ½ ₁₆ "	
7	WUDH 26 3w	Cottage Double Hung	8'-3 ½" x 5'-7 ½"	
8	RT 35 3248	Fixed Oval	4'-1" x 2'-9"	In-sash horizontal oval
9	WUDH 24	Cottage Double Hung	2'-6 ³ / ₈ " x 6'-11 ¹ / ₂ "	See drawing for upper sash height
10	WUDH 34 3w	Cottage Double Hung	10'-3 ½" x 7'-9 ½"	See drawing for upper sash height
11)	WUDH 28 24/36	Cottage Double Hung	2'-10 ³ / ₈ " x 5'-9 ¹ / ₂ "	
12	WUDH 2626 4w	Double Hung	11'-8 ½" x 5'-1 ½"	
13)	WUDH 2626	Double Hung	2'-8 ³ / ₈ " x 5'-1 ¹ / ₂ "	
14)	WUDH 32 3w	Double Hung	9'-9 ½" x 4'-7 ½"	Fixed Double Hung Picture
15)	WUDH 32 3w	Cottage Double Hung	9'-9 ½" x 7'-9 ½"	
16)	WUDH 21	Double Hung	2'-3 ³ / ₈ " x 4'-7 ¹ / ₂ "	Fixed Double Hung Picture
17)	WUDH 21	Double Hung	2'-3 ³ / ₈ " x 7'-9 ¹ / ₂ "	
18)	RT 27	Stationary Round	3'-7" x 3'-7"	In-sash stationary round
19)	WUDH 2824 2w	Double Hung	5'-9 ³ / ₄ " x 4'-9 ¹ / ₂ "	
20	WUDH 2424 3w	Double Hung	7'-9 ½" x 4'-9 ½"	
<u>21</u>	WUDH 34	Double Hung	3'-4 ³ / ₈ " x 2'-6 ¹ / ₂ "	Fixed Double Hung Picture. Same unit all four sides of cupola.
(22)	WUDH 2626 2w	Double Hung	5'-5 ³ / ₄ " x 5'-1 ¹ / ₂ "	sides of cupota.
23)	WUDH 2626 3w	Double Hung	8'-3 ½" x 5'-1 ½"	
24	RT 27	Stationary Round	3'- ½" x 3'- ½"	In-sash stationary round
25)	WUDH 36 4w	Double Hung	14'-10 ½" x 4'-9 ½"	4" vertical structural pockets between units. Provi
26)	WUDH 36 4w	Cottage Double Hung	14'-10 ½" x 7'-9 ½"	 full extension jambs for all units in Great Room Ba See drawings for upper sash height.
27)	WUAWN 3632-3w	Awning	9'-5" x 2'-9"	
28)	WUAWN 3632-2w	Awning	6'-3" x 2'-9"	
<u>29</u>	WUDH 27 5w	Cottage Double Hung	14'-2 ⁷ / ₈ " x 6'-5 ¹ / ₂ "	
30	WUDH 27	Cottage Double Hung	2'-9 ³ / ₈ " x 6'-5 ¹ / ₂ "	
<u>(31)</u>	WUDH 28 2w	Cottage Double Hung	5'-9 ³ / ₄ " x 5'-11 ¹ / ₂ "	See drawing for upper sash height

Cottage Double Hung $8'-9\frac{1}{8}$ " x $6'-5\frac{1}{2}$ "

Cottage Double Hung $5'-9\frac{3}{4}$ " x $5'-9\frac{1}{2}$ "

Cottage Double Hung $5'-9\frac{3}{4}$ " x $6'-6\frac{1}{2}$ "

Cottage Double Hung $6'-5\frac{3}{4}$ " X 7'-9 $\frac{1}{2}$ "

2'-10 ³/₈" x 4'-9 ¹/₂"

 $2'-10\frac{3}{8}$ " x $5'-1\frac{1}{2}$ "

3'-1" x 2'-9"

Upper sash height as unit 11

ALIGN UPPER SASH

KEY(1)

COTTAGE DOUBLE HUNG

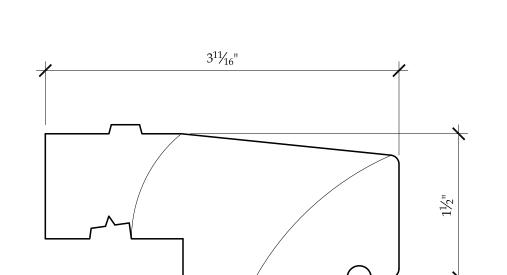
2'-73/8"

KEY (5)

A-601 FIRST FLOOR DINING ROOM

COTTAGE DOUBLE HUNG AND TYP. DOUBLE HUNG $\frac{3}{4}$ " =1'-0" $\frac{3}{A-601}$ MAIN STAIR FEATURE WINDOW SECOND FLOOR

 $\frac{3}{4}$ " =1'-0"



MARVIN TYPICAL SUBSILL

FULL SIZE

 $\frac{3}{4}$ " =1'-0"

DRAWINGS

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