



Square Footage		Division: Raleigh	
Living Areas		Building Code: 2018 NC Building Code - Residential	
		Index to the Drawings	
First Floor	1876 SF	Sheet No.	Sheet Name
Second Floor	1646 SF	0C.1	Cover Sheet
Third Floor	310 SF	0N.1	General Notes
	3833 SF	0P.1	Plot Plan
Unfinished Areas		2.01F	First Floor Framing Plan
		2.01S	First Floor Structural Plan
Covered Entry	123 SF	2.02F	Second Floor Framing Plan
Deck	240 SF	2.02S	Second Floor Structural Plan
Garage	613 SF	2.03F	Third Floor Framing Plan
Outdoor Living	167 SF	2.03S	Third Floor Structural Plan
	1142 SF	2.04	Roof Plan
		3.01	First Floor Subfloor Plan
		3.02	Second Floor Subfloor Plan
		3.03	Third Floor Subfloor Plan
Square Footage total may vary by +1 SF due to automated rounding of first and second floor area		4.01	First Floor Mechanical Plan
		4.02	Second Floor Mechanical Plan
		4.03	Third Floor Mechanical Plan
Redraws		5.01	Building Section
Plan Review: XX/XX/XX		5.02	Building Section
XXXX		6.01	Front Elevation
		6.02	Garage Side Elevation
		6.03	Rear Elevation
		6.04	Side Elevation
		7.01	House Specific Details
		7.02	House Specific Details
		S-0	Structural Notes
		SD-1	Structural Details
Plan Review: XX/XX/XX			

Plan Review: XX/XX/XX			
XXXX	Space for Architect Seal		
			
	The Drees Company 07/23/2025 4:05:07 PM		
	RESIDENCE FOR: BRENNER SNEED LANE RALEIGH ELEVATE		
Customer Plan Review Signature	Job Number: RGA-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.
	House Name: the CHANLEY		Coord Phone: (859)578-4355
	Drawing Scale: 1/8" = 1'0"		Contract Drawn By: GLP
	Born on Date: 01/18/2024		CDs Drawn By: CLM
I understand that my new Drees home will be built in general conformance to the plans, specifications, selections and the Purchase Agreement, all of which I have reviewed and approved. This set of plans may not reflect the elevations or options for my house. Drees draws the standard plans complete with the most common options. The subcontractor's sets will show only the options I selected in my selection sheets. I have reviewed the plot plan for my house and understand that			
Series: PREMIER			
Plan No.:			

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Architecture Plan Review: ☒ No Comments ☐ See Comments Items drawn on any drawings and not written in the contract sections <u>WILL NOT</u> be included in the site specific drawings.			
Customer Request:	Design Solution:	Reason For Modification:	Comments:
1. XXX	1. XXX	1. XXX	1. XXX
2. XXX	2. XXX	2. XXX	2. XXX
3. XXX	3. XXX	3. XXX	3. XXX
4. XXX	4. XXX	4. XXX	4. XXX

GENERAL NOTES - RALEIGH

FOUNDATION NOTES

CRAWL SPACES:

- SLOPE CONCRETE SLAB 4" MINIMUM TOWARDS GARAGE DOOR
- EXTERIOR FLATWORK/GARAGES SHALL HAVE A MINIMUM CONCRETE SRENGTH OF 4,500 PSI
- FOOTINGS TO A MINIMUM CONCRETE STRENGTH OF 2500 PSI, UNLESS OTHERWISE NOTED
- ASSUMED ALLOWABLE SOIL BEARING PRESSURE: 2,000 p.s.f.
- WATERPROOF FOUNDATION WITH BITUMINOUS SPRAY.
- WALL TIES EMBEDDED IN THE HORIZONTAL MORTAR JOINT SHALL BE 16" ON CENTER. TIES IN ALTERNATE COURSES SHALL BE STAGGERED. THE MAXIMUM VERTICAL DISTANCE BETWEEN TIES SHALL NOT EXCEED 16" AND THE MAXIMUM HORIZONTAL DISTANCE SHALL NOT EXCEED 16" ADDITIONAL TIES SHALL BE PROVIDED AT ALL OPENINGS, AND WITHIN 12" OF THE OPENING.
- CORE FILL ENTIRE BLOCK WALL WHEN THE WALL IS 4'-0" TALL OR HIGHER. INSTALL #4 REBAR IN EACH HOLLOW AREA OF EACH BLOCK FROM FOOTING TO TOP OF WALL, ON THE ENTIRE WALL PRIOR TO CORE FILLING IT.
- TOP COURSE OF BLOCK ON ALL WALLS WILL BE FILLED SOLID WITH MORTAR PLACING THE FOUNDATION STRAPS OR BOLTS IN THE MORTAR 6'-0" ON CENTER, AND 12" FROM EACH CORNER.
- 12"x16" PIERS: HOLLOW MASONRY UP TO 48" HIGH, SOLID MASONRY UP TO 9'0" HIGH
- 16"x16" PIERS: HOLLOW MASONRY UP TO 64" HIGH, SOLID MASONRY UP TO 12'0" HIGH
- BLOCK PIERS SHOULD BE PLACED DIRECTLY ON CONCRETE FOOTINGS PER PLAN. THEY SHOULD BE PLUMBED AND SQUARE WITHIN 1/4".
- SILL PLATES TO BE A MINIMUM OF 2x4 NOMINAL LUMBER.

FRAMING NOTES

DESIGN LOADS:

FLOORS:	40 psf LIVE LOAD + 10 psf DEAD LOAD = 50 psf	GARAGE FLOOR: 50 psf LIVE LOAD	SEISMIC: "A" & "B"
ROOF:	18 psf LIVE LOAD + 17psf DEAD LOAD = 35 psf	WIND SPEED: 120 MPH	

DESIGN DEFLECTION LIMITS (BASED ON LIVE LOAD, EXCEPT MASONRY):

RAFTERS GREATER THAN 3:12	L/180	CEILINGS	L/240
MASONRY VENEER	L/600		
NOMINAL LUMBER FLOORS:	L/360		

MANUFACTURED WOOD FLOORS: DESIGNED TO MINIMUM PRO RATING OF 35 (OR EQUIVALENT). NO MORE THAN 8 POINT DIFFERENCE BETWEEN ADJACENT SPANS. L/480 FOR SPANS UP TO 16'-0" AND NO GREATER THAN 1/2" DEFLECTION L/600 FOR SPANS OVER 16'-0" IF SIMPLE SPAN AND NO GREATER THAN 1/2" DEFLECTION L/840 FOR SPANS OVER 16'-0" IF CONTINUOUS SPAN. AND NO GREATER THAN 1/2" DEFLECTION

-JOIST SPACING: 19.2" o.c. MAXIMUM SPACING

DOUBLE EVERY OTHER FLOOR JOIST UNDER KITCHEN ISLANDS

INSTALL UNCOUPLING MEMBRANE IN TILE FLOOR AREAS IF 19.2" o.c. FLOOR JOIST SPACING

GLUE AND MECHANICALLY FASTEN [SCREWS] WOOD FLOOR IF 19.2" o.c. FLOOR JOIST SPACING

- MANUFACTURED WOOD PRODUCTS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL WOOD BEAMS AND I-JOISTS) SHALL BE FABRICATED, HANDLED, AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- JOISTS ARE NOT TO BE PLACED DIRECTLY OVER INTERIOR PARALLEL WALLS. (TO PREVENT UNEVEN FLOOR DEFLECTION FROM OCCURRING)
- ALL WOOD BEAMS/HEADERS: 2x6's TO BE SPF STUD GRADE OR BETTER/ 2x8 OR LARGER TO BE SYP #2 [PER NDS 2012] OR BETTER, U.O.N.
- ALL HEADERS SHALL BE SUPPORTED BY (1) 2x JACK STUD AND (1) 2x KING STUD MINIMUM. THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACKS REQUIRED, U.N.O. AT FLUSH OR DROPPED BEAMS, THE NUMBER OF STUDS SPECIFIED INDICATES THE TOTAL NUMBER OF STUDS REQUIRED TO SUPPORT THE BEAM.
- EXTERIOR WALLS TO BE 2x4 SPF STUD GRADE AT 16" o.c. UNLESS OTHERWISE NOTED [10'-4-1/2" MAXIMUM WALL HEIGHT]
- ALL INTERIOR BEARING WALLS AND WALLS AT BASEMENT & FIRST FLOOR STAIRWELLS, KITCHEN, BATH, & GARAGE TO BE 2x4 SPF STUD GRADE @ 16" o.c.;
- ALL OTHER NON-BEARING INTERIOR WALLS TO BE 2x4 SPF STUD GRADE @ 24" o.c. U.O.N.
- ALL WALLS TO BE 3 1/2" UNLESS OTHERWISE NOTED.
- PROVIDE SOLID BEARING TO FOUNDATION OR BEAM BELOW FOR ALL BEAMS, HEADERS & GIRDER TRUSSES. PROVIDE BLOCKING BETWEEN JOISTS AS REQUIRED.
- SEE SELECTION SHEET FOR SIZE AND STYLE OF FIREPLACE. SEE FIREPLACE ELEVATION DETAIL FOR ADDITIONAL FRAMING REQUIREMENTS, IF ANY.
- CHECK SELECTION SHEETS FOR FLOOR COVERING AT TOP AND BOTTOM OF STAIR RISERS AND ADJUST RISERS AS REQ'D.
- PROVIDE BLOCKING AT ALL HANDRAIL TERMINATION AND BRACKET LOCATIONS.
- 20-MINUTE FIRE RATED DOOR BETWEEN GARAGE AND LIVING AREA.
- EXTERIOR WALL TO BE 2x4 SPF STUD G AT 16" o.c. UNLESS OTHERWISE NOTED [10'-0" MAXIMUM UNBRACED WALL HEIGHT].
- ALL EXTERIOR WALLS AND INTERIOR BEARING WALLS, FRAMED HIGHER THAN THE STANDARD PLATE HEIGHT, SHALL BE FRAMED WITH CONTINUOUS FULL HEIGHT STUDS TO THE HIGHEST CEILING (I.E. NO INTERMEDIATE BREAKS) TO PREVENT LATERAL HINGE CONDITIONS.
- IN THE GARAGE, PROVIDE 1/2" GYP. BOARD AT ALL WALLS COMMON TO LIVING SPACE AND ALL STRUCTURAL MEMBERS SUPPORTING FLOOR/CEILING ASSEMBLY. GARAGE CEILING TO BE 1/2" SAG RESISTANT GYP. BOARD WHEN THERE ARE NO HABITABLE SPACES ABOVE, OR 5/8" TYPE X GYP. BOARD WHEN HABITABLE SPACES ARE ABOVE.
- ALL EMERGENCY ESCAPE & RESCUE OPENINGS TO BE A MAXIMUM OF 44" OFF OF FINISHED FLOOR AND HAVE MINIMUM OPENING DIMENSIONS OF 24" IN HEIGHT, 20" IN WIDTH, & HAVE A MINIMUM OPENING AREA OF 5.7 S.F.
- ALL DOORS TO BE 6'-8" TALL UNLESS OTHERWISE NOTED.
- ALL GLASS IN INTERIOR AND EXTERIOR DOORS TO BE TEMPERED (INCLUDING SIDELITES AND TRANSOMS)
- ALL LUMBER CONTACTING CONCRETE TO BE PRESSURE TREATED.
- ALL FASTENERS, HANGERS, AND OTHER CONNECTORS TO BE USED WITH PRESSURE TREATED WOOD ARE TO HAVE ZMAX COATING (OR EQUIVALENT) HOT-DIPPED GALVANIZED OR STAINLESS STEEL.
- AT STAIR HANDRAIL, ON ONE SIDE ONLY, SHALL BE CONTINUOUS FOR THE ENTIRE LENGTH OF THE STAIRWAY, AND ENDS SHALL BE RETURNED TO A WALL OR POST. THE HANDRAIL MAY BE INTERRUPTED AT A NEWEL POST AT A TURN.
- ALL HANDRAIL GRIP PORTIONS SHALL NOT EXCEED 2-1/4" IN CROSS SECTIONAL DIMENSION.
- HANDRAILS SHALL BE INSTALLED ON ALL STAIRS WITH 4 OR MORE RISERS, HANDRAIL HEIGHTS SHALL BE A MINIMUM OF 34" AND A MAXIMUM OF 38".
- ALL STAIRS TO BE CONSTRUCTED SO AS NOT TO ALLOW A 4" SPHERE TO PASS THROUGH THE RISER.
- GUARDRAILS MUST BE A MINIMUM OF 36" HIGH. GUARDRAILS AT THE OPEN SIDES OF STAIRS MUST BE A MINIMUM OF 34" HIGH MEASURED VERTICALLY FROM THE NOSING AT THE TREADS. THE HORIZONTAL SPACING OF THE VERTICAL BALUSTERS SHALL BE 4" O.C.
- GUARDRAIL DESIGN TO RESIST A MINIMUM OF 200 LBS LATERAL FORCE

BASEMENTS:

- SLOPE CONCRETE SLAB 4" MINIMUM TOWARDS GARAGE DOOR
- EXTERIOR FLATWORK/GARAGES SHALL HAVE A MINIMUM CONCRETE SRENGTH OF 4,500 PSI
- FOOTINGS TO A MINIMUM CONCRETE STRENGTH OF 2500 PSI, UNLESS OTHERWISE NOTED- ALL FOUNDATION WALLS TO BE CAST IN PLACE CONCRETE 3000 PSI MIN. UNLESS OTHERWISE NOTED.
- BASEMENT WINDOW LOCATIONS MAY VARY FROM DRAWING DUE TO LOT CONDITIONS.
- BACKFILL ADJACENT TO FOUNDATION WALLS SHALL NOT BE PLACED UNTIL THE WALL HAS SUFFICIENT STRENGTH AND HAS BEEN ANCHORED TO THE FLOOR OR HAS BEEN SUFFICIENTLY BRACED TO PREVENT DAMAGE BY THE BACKFILL.
- ASSUMED ALLOWABLE SOIL BEARING PRESSURE: 2,000 p.s.f.
- WATERPROOF FOUNDATION WITH BITUMINOUS SPRAY.
- VERTICAL CONTROL JOINTS IN BASEMENT FOUNDATION WALLS - STANDARD LOCATION GUIDELINES:
 - 1) PLACE A CONTROL JOINT IN ALL UNBRACED WALLS OVER 30' IN LENGTH. (NOTE: "T" WALLS AND CORNERS COUNT AS A BRACE).
 - 2) WINDOWS THAT ARE LARGER THAN THE STANDARD BASEMENT WINDOW REQUIRE A CONTROL JOINT.
 - 3) CONTROL JOINTS ARE NOT REQUIRED AT EVERY WINDOW THAT IS STANDARD SIZE.
 - 4) IF THERE IS A STANDARD WINDOW LOCATED IN A WALL SEGMENT THAT REQUIRES A CONTROL JOINT, THEN THE CONTROL JOINT SHOULD BE PLACED ON THE SIDE OF THE WINDOW THAT IS ADJACENT TO THE LONG SIDE OF THE WALL. IF THERE IS MORE THAN ONE WINDOW IN A WALL THEN ONLY ONE WINDOW SHOULD HAVE A CONTROL JOINT.
 - 5) DOORS DO NOT GET CONTROL JOINTS.
 - 6) CONTROL JOINTS SHOULD NOT BE LOCATED WITHIN 3' OF A BEAM POCKET.
 - 7) CONTROL JOINTS ARE REQUIRED AT THE FIRST AND LAST STEP DOWN AT STEPPED BASEMENT FOUNDATION WALLS.
- INTERIOR FLATWORK SHALL HAVE A MINIMUM CONCRETE STRENGTH OF 3,000 PSI.
- ALL VERTICAL STEEL AND ALL STEEL IN STRUCTURAL SLABS TO BE GRADE 60. ALL HORIZONTAL STEEL IN FOUNDATION WALLS AND FOOTERS TO BE GRADE 40 STEEL.

MECHANICAL/ELECTRICAL NOTES

- ANY GAS APPLIANCES MUST BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- HOLD THE CENTERLINE OF ALL EXTERIOR LIGHT FIXTURES AT 5'-8" OFF BOTTOM OF DOOR OPENING.
- ALL KITCHEN CABINET DIMENSIONS ARE CABINET TO CABINET.
- CABINET STYLES MAY VARY FROM INTERIOR ELEVATIONS DEPENDING ON STYLE, MANUFACTURER, ETC. FOR CABINET DETAILS SEE SHOP DRAWINGS.
- CABINET SIZES MAY VARY WITH FULL-OVERLAY CABINETS.
- GROUND FAULT INTERRUPTER (GFCI) OUTLETS TO BE INSTALLED PER NEC 2017, SECT. 210.8
- PROVIDE HOSE BIBS PER DIVISION SPEC. SHEET. EXACT LOCATION TO BE FIELD DETERMINED UNLESS OTHERWISE NOTED ON THE PLANS.
- MIN. 50 C.F.M. FOR ALL EXHAUST FANS IN BATHROOMS

INSULATION DETAILS

EXTERIOR STUD WALL CAVITY:	(2x4)	R-15
(2x6)	R-19	
FLOOR JOIST CAVITY AT STANDARD PERIMETER:	R-19	
FLOOR JOIST CAVITY AT CANTILEVER:	R-19	
OVER GARAGE: (OVER HORIZONTAL SPACE)	R-38 BLOWN	
(SLOPED AND VERTICAL SPACE)	R-38 BATT	

ELEVATION NOTES

- WINDOW STYLE AND MULLIONS MAY VARY FROM ELEVATION DEPENDING UPON MANUFACTURER, STYLE, PATTERN, TYPE, ETC.
- USE SECONDARY HEAT BARRIER ON ALL DIRECT VENT FIREPLACES 7" OR LESS ABOVE A WALKWAY.
- GRADE AWAY FROM FOUNDATION WALLS SHALL FALL A MINIMUM OF 6" WITHIN THE FIRST 10'.
- PROVIDE TYVEK OR EQUIVALENT HOUSE WRAP BEHIND BRICK AND STONE VENEER OVER WOOD SHEATHING.
- PROVIDE BRICK WEEP HOLES AT 24" O.C. WITH BRICK VENEER AND MORTER NET BEHIND AND THROUGH WEEP HOLES.
- PROVIDE FLASHING AND WEEP HOLES ABOVE ALL BRICK ANGLE IRONS, BELOW ALL BRICK SILLS AND ABOVE SILL PLATE SEALERS.
- EXTERIOR STEPS TO HAVE A MAXIMUM 8" RISER. WHEN VERTICAL RISE EXCEEDS 30" OR FOUR OR MORE CONTINUOUS RISERS, A HANDRAIL IS REQUIRED.

ROOF PLAN NOTES

- ALL OVERHANGS TO HAVE (2) SOFFIT VENTS PER EACH 8' SOFFIT SECTION.
- PROVIDE BAFFLES AT EXTERIOR TRUSS BEARING FOR VENTILATION.
- PROVIDE 15# FELT PAPER UNDER SHINGLES.

SLAB ON GRADE:

- ALL CONCRETE SLABS ON GRADE SHALL BE THE THICKNESS AS INDICATED ON THE DETAILS OVER MINIMUM 6 MIL. POLYETHYLENE (VISQUEEN) VAPOR BARRIER. SLABS SHALL BE REINFORCED WITH 6x6 W1.4 WWF LAPPED 8" AT EDGES AND ENDS IN CONFORMANCE WITH ASTM-A 185, OR FIBERMESS REINFORCEMENT SHALL BE USED WITH A MINIMUM FIBER LENGTH OF 1 1/2" TO 2 1/4" COMPLYING WITH ASTM C 1116. THE DOSAGE AMOUNT SHALL BE 0.75 TO 3.0 POUNDS PER CUBIC YARD IN ACCORDANCE WITH MANUFA Turer's RECOMMENDATIONS.
- SLABS ON GRADE SHALL BEAR ON STRUCTURAL FILL WHICH SHALL BE CLEAN SAND FREE OF DEBRIS AND OTHER DELETERIOUS MATERIAL. STRUCTURAL FILL SHALL BE COMPACTED TO A DENSITY OF AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUMN DRY DENSITY (ASTM D1557). TERMITE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS. IF SOIL TREATMENT IS USED, THE TREATMENT SHALL BE DONE AFTER ALL EXCAVATION, BACKFILLING, AND COMPACTION IS COMPLETED.
- FOOTINGS MAY BEAR UPON UNDISTURBED SOIL OR UPON STRUCTURAL FILL. STRUCTURAL FILL SHALL BE COMPACTED TO A DENSITY OF AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUMN DRY DENSITY (ASTM D1557) FOR A DEPTH OF AT LEAST TWO FEET (2'-0") BELOW THE BOTTOM OF THE FOOTING.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - 3" CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH
 - 2" CONCRETE EXPOSED TO EARTH AND WEATHER
 - 1 1/2" CONCRETE NOT EXPOSED TO EARTH OR WEATHER
- SLOPE CONCRETE SLAB 4" MINIMUM TOWARDS GARAGE DOOR
- EXTERIOR FLATWORK/GARAGES SHALL HAVE A MINIMUM CONCRETE SRENGTH OF 4,500 PSI
- ASSUMED ALLOWABLE SOIL BEARING PRESSURE: 2,000 p.s.f.
- INTERIOR FLATWORK SHALL HAVE A MINIMUM CONCRETE STRENGTH OF 3,000 PSI.
- ALL STEEL IN STRUCTURAL SLABS TO BE GRADE 60. ALL HORIZONTAL STEEL IN FOUNDATION WALLS AND FOOTERS TO BE GRADE 40 STEEL.



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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RG-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name: the CHANLEY			Contract Drawn By: GLP
			Series: PREMIER
Born on Date: 01/18/2024			Plan No.:
CDs Drawn By: CLM			



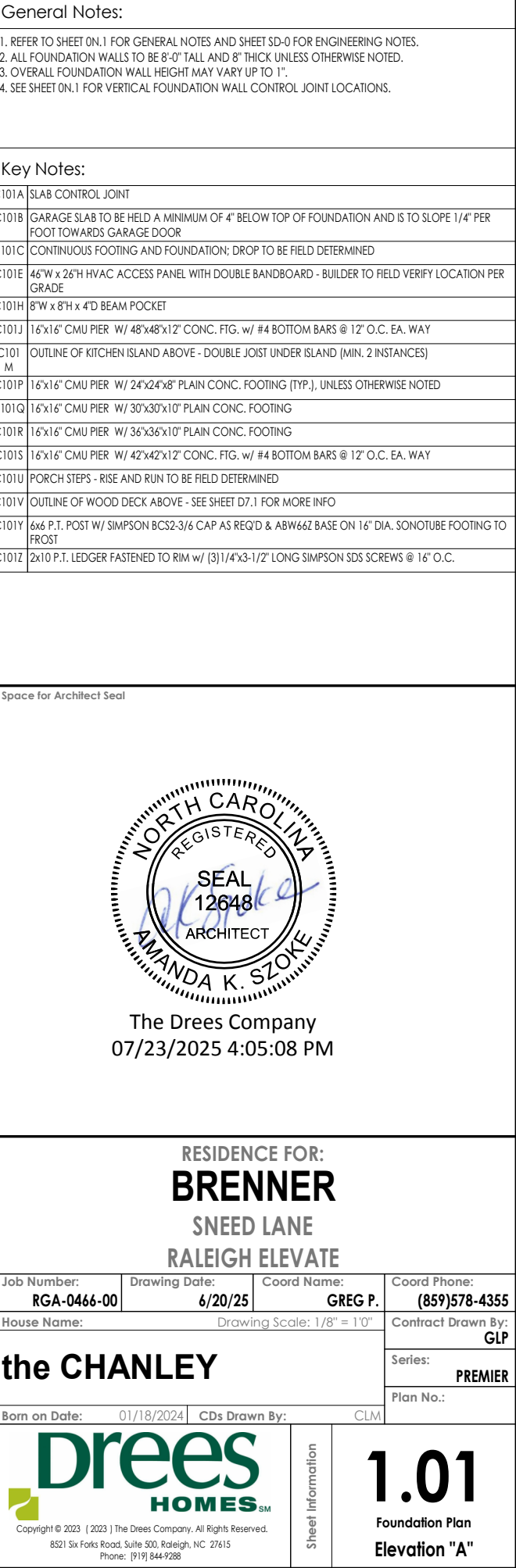
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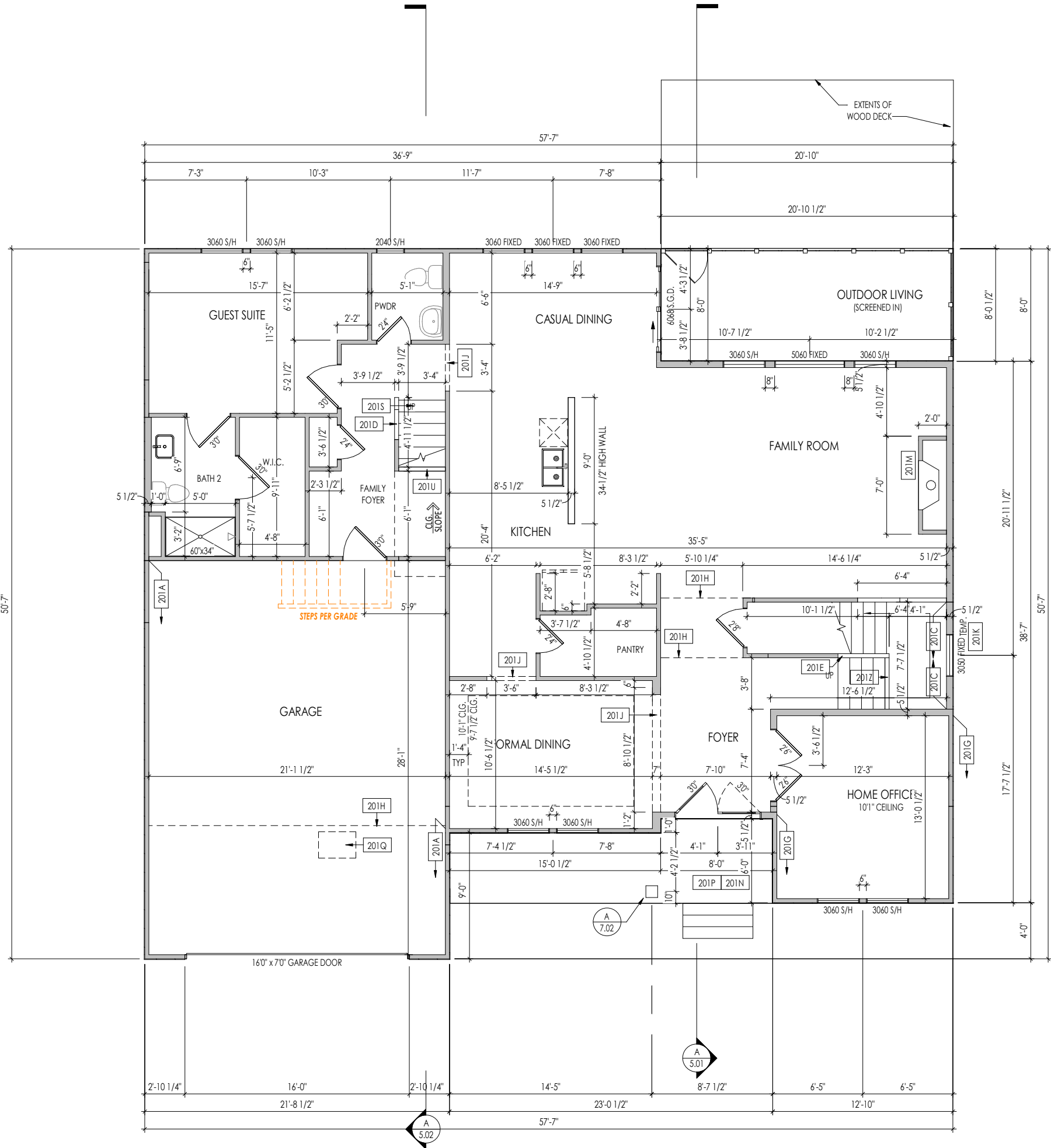
Sheet Information

0N.1
General Notes
Elevation "A"

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- General Notes:
1. REFER TO SHEET 0N.1 FOR GENERAL NOTES.
 2. ALL FIRST FLOOR CEILINGS TO BE 9'-1" ABOVE SUBFLOOR UNLESS OTHERWISE NOTED.
 3. FRAME TOP OF ALL WINDOWS AT 1'-0 1/4" BELOW TOP OF PLATE UNLESS OTHERWISE NOTED.
 4. ALL DROPPED, INTERIOR HEADERS (FALSE AND BEARING) ARE DROPPED 1'-0" FROM CEILING.
 5. REFER TO SELECTION SHEETS FOR FLOORING MATERIAL PRIOR TO CONSTRUCTING STAIRS TO DETERMINE RISER HEIGHTS.
 6. REFER TO SHEET 2.01S FOR STRUCTURAL INFORMATION.

Key Notes:	
201A	FRAME GARAGE WALL FULL HEIGHT STUDS AT 10'-5 1/4" WITH (2)2x4 STUDS AT 16" O.C. FROM TOP OF FOUNDATION WALL; IF ELECTRICAL PANEL LOCATED IN GARAGE, PAD OUT WALL FOR ELECTRICAL PANEL
201C	2x6 BALLOON FRAMED WALL - SEE SHEET 2.01S FOR MORE INFO
201D	36" HIGH WALL SLOPED WITH STAIR STRINGER
201E	SLOPE WALL EVEN WITH TOP OF STAIR STRINGER, RAILING ABOVE
201G	FRAME TOP OF HOME OFFICE WALLS AT 10'-1" ABOVE FINISHED FLOOR
201H	OUTLINE OF SECOND FLOOR ABOVE
201J	FRAME TOP OF OPENING AT HEIGHT SPECIFIED IN GENERAL NOTES ON THIS SHEET
201K	FRAME TOP OF WINDOW AT 6'-9 1/4" BELOW TOP OF SECOND FLOOR PLATE
201M	DIRECT VENT FIREPLACE - REFER TO SELECTION SHEET FOR MODEL AND FIREPLACE DETAIL SHEET F-1 FOR FRAMING INFORMATION
201N	DO NOT CENTER FLOOR JOIST OVER FRONT DOOR TO ALLOW FOR CAN LIGHT INSTALLATION
201P	CARPENTER TO DROP ELECTRICAL WIRE THROUGH PORCH CEILING FOR LIGHTS
201Q	22-1/2" x 32" ATTIC ACCESS
201S	SEE SHEET A/5.02 OR B/5.02 FOR STAIR FRAMING DETAILS
201U	FRAME WALL TO UNDERSIDE OF STAIRS
201Z	APPROX. LOCATION OF 36" HIGH WALL UNDER STAIRS (FIELD VERIFY)

Space for Architect Seal

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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RGA-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
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Born on Date: 01/18/2024			CDs Drawn By: CLM

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Sheet Information

2.01F
First Floor Framing Plan
Elevation "A"

General Notes:

1. REFER TO SHEET 0N.1 FOR GENERAL NOTES.
2. ALL SECOND FLOOR CEILINGS TO BE 9'-1" ABOVE SUBFLOOR UNLESS OTHERWISE NOTED.
3. FRAME TOP OF ALL WINDOWS AT 1'-0-1/4" BELOW TOP OF PLATE UNLESS OTHERWISE NOTED.
4. ALL DROPPED, INTERIOR HEADERS (FALSE AND BEARING) ARE DROPPED 1'-0" FROM CEILING.
5. REFER TO SELECTION SHEETS FOR FLOORING MATERIAL PRIOR TO CONSTRUCTING STAIRS TO DETERMINE RISER HEIGHTS.
6. REFER TO SHEET 2.02S FOR STRUCTURAL INFORMATION.

Key Notes:

202A	36" HIGH WALL
202AA	DROP CLG. TO BOTTOM OF STAIR PLATFORM. SEE DETAIL A/5.02
202BB	36" HIGH WALL SLOPED WITH STAIR STRINGER
202C	FRAME TOP OF WINDOW AT 3'-0-1/4" BELOW TOP OF PLATE
202CC	OUTLINE OF THIRD FLOOR ABOVE
202D	42" HIGH WALL w/ GLASS TO CLG. ABOVE. PROVIDE BLOCKING IN CEILING FOR SHOWER PANEL.
202E	SLOPE WALL EVEN WITH TOP OF STAIR STRINGER, RAILING ABOVE
202F	SEE SHEET B/5.01 OR C/5.01 FOR STAIR FRAMING DETAILS
202G	SEE SHEET A/5.02 OR B/5.02 FOR STAIR FRAMING DETAILS
202H	4-1/2" HIGH SHOWER CURB
202K	2x6 BALLOON FRAMED WALL - SEE SHEET 2.01S FOR MORE INFO
202Z	SEE SHEET A/5.02 OR C/5.02 FOR STAIR FRAMING DETAILS

Space for Architect Seal



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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

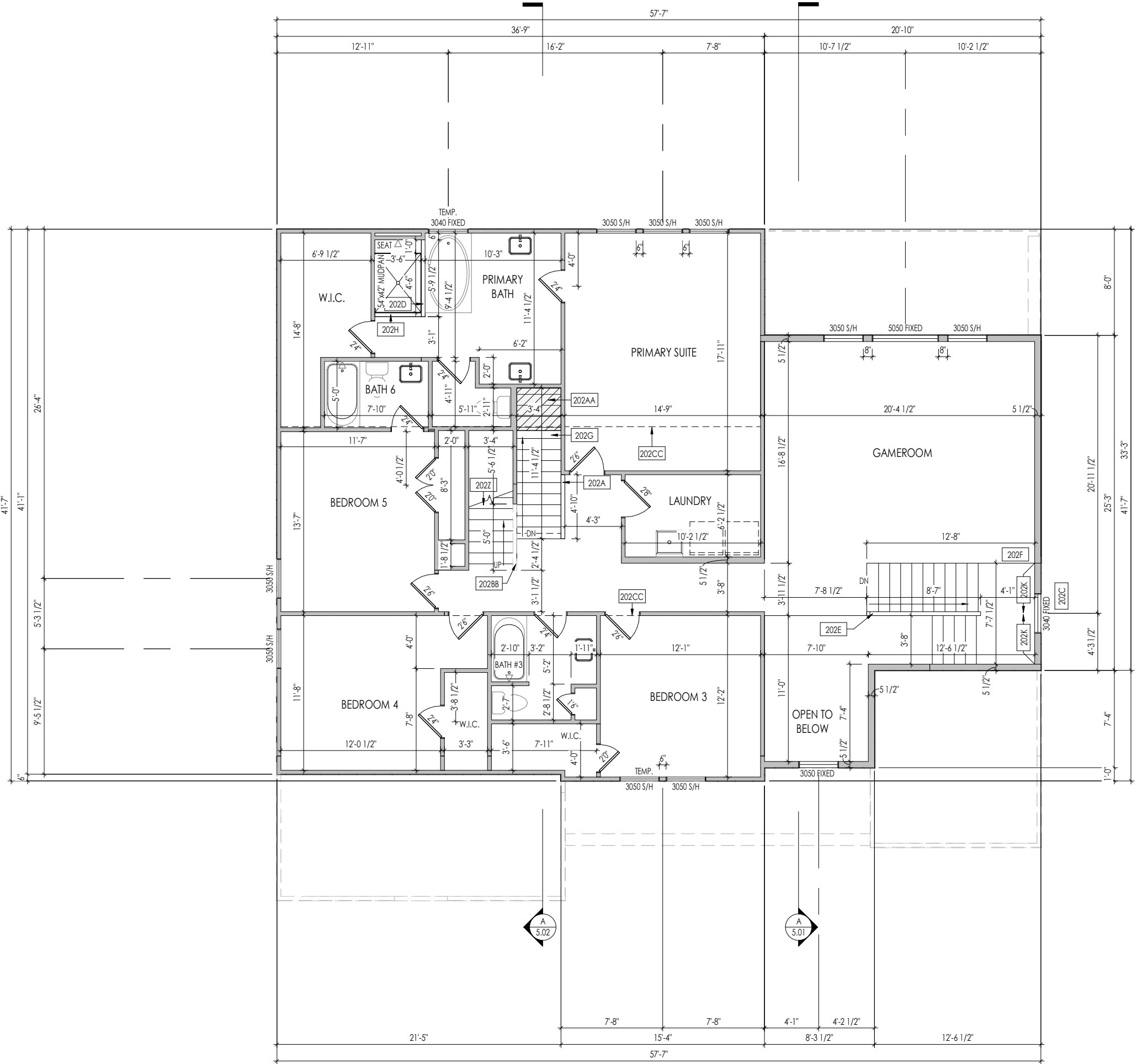
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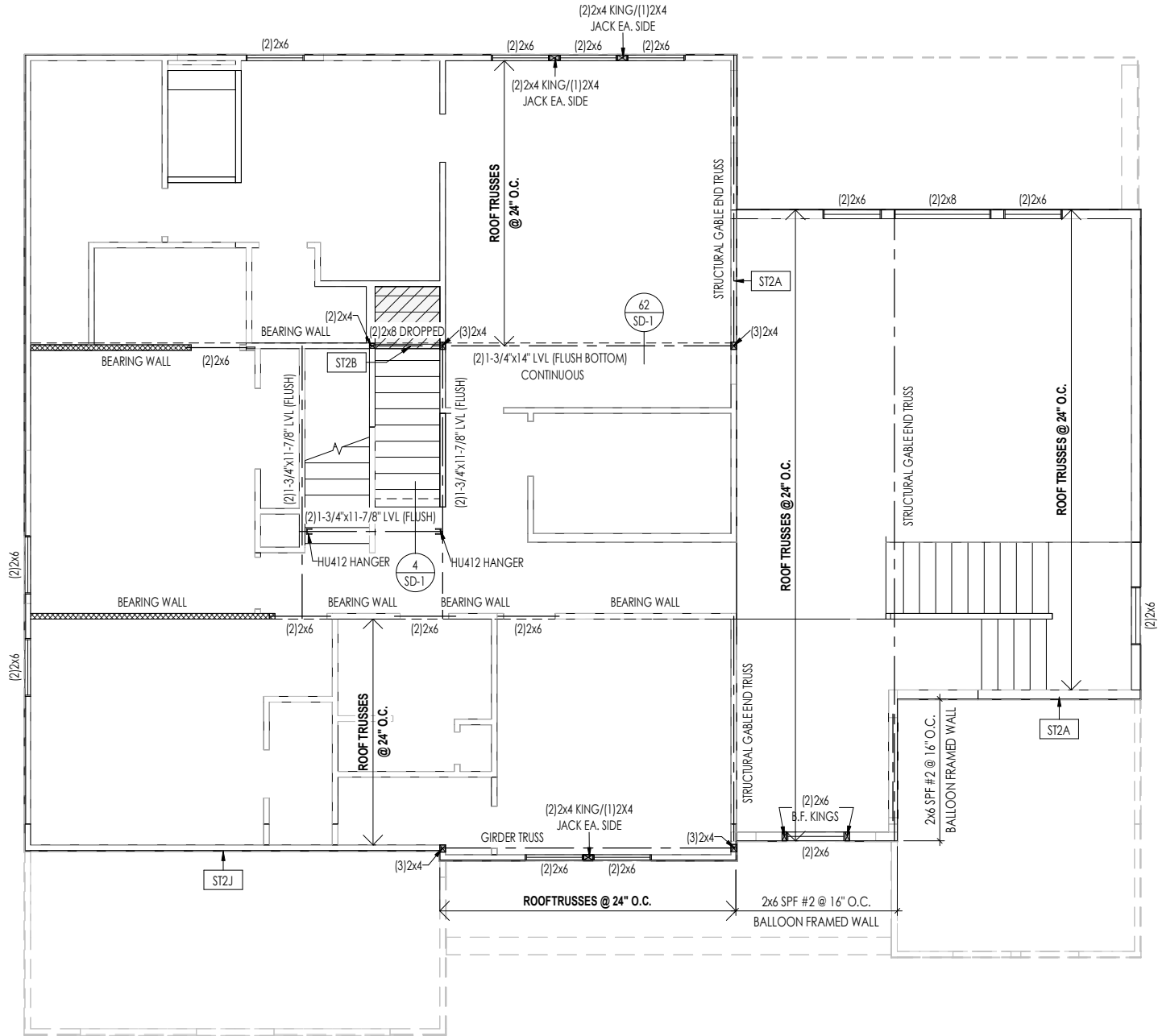
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Sheet Information

2.02F
Second Floor Framing Plan
Elevation "A"





General Notes:

1. REFER TO SHEET S-0 FOR ENGINEERING NOTES.

Key Notes:

ST2A	PROVIDE CONTINUOUS 15/32" PLYWOOD OR 7/16" OSB SHEATHING FASTENED PER TYP. EXTERIOR SHEATHING SPECS.
ST2B	FRAME BOTTOM OF BEAM AT BOTTOM OF STAIR PLATFORM. SEE DETAIL A/5.02
ST2J	CONTINUOUS EXTERIOR SHEATHING BEHIND LOW ROOF TRUSSES DOWN TO BOTTOM OF RIM AND FASTEN PER TYP. EXTERIOR WALL SHEATHING SPECS (SEE NOTES)

Space for Architect Seal



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Job Number: RG-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
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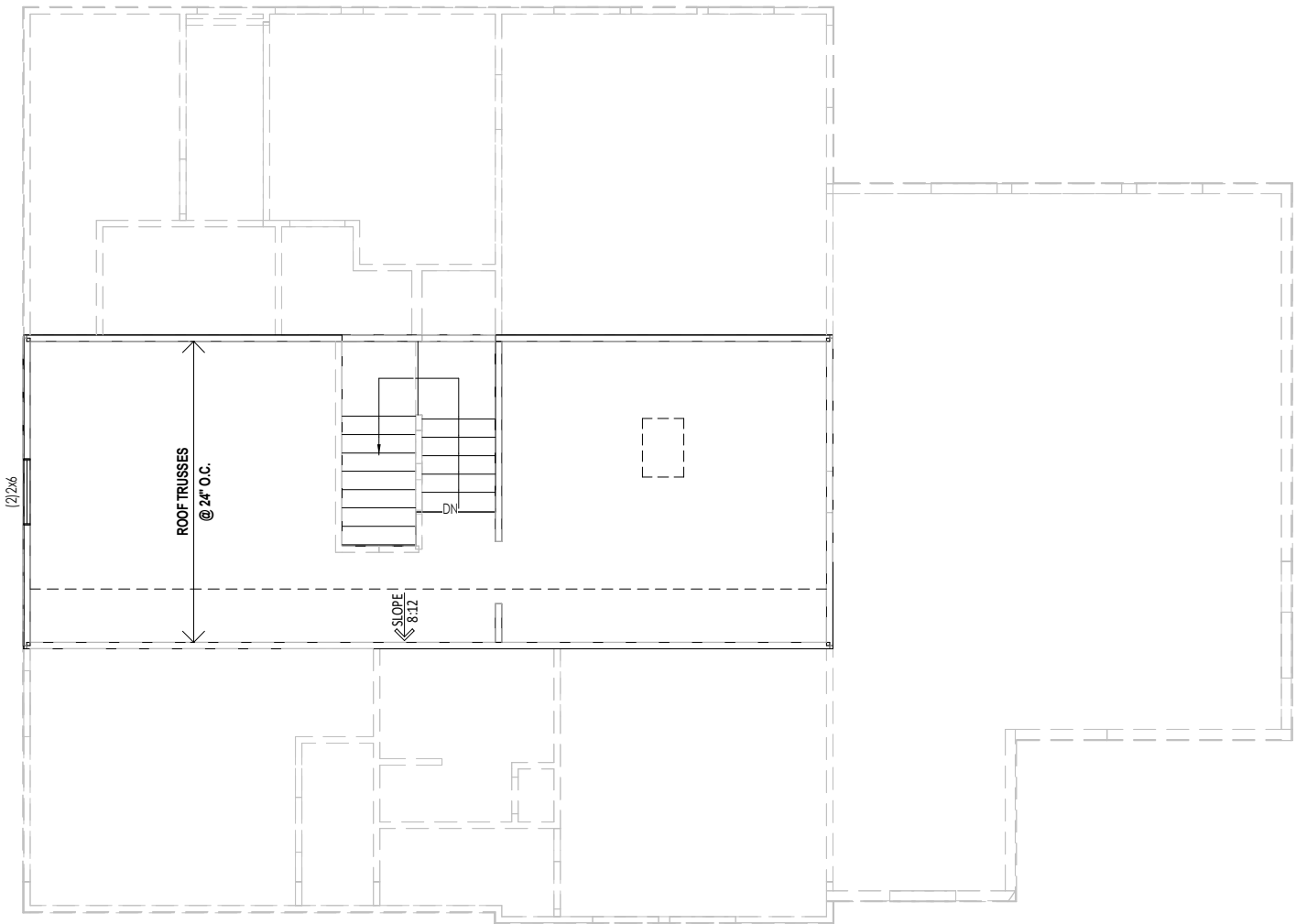
Sheet Information

2.02S
Second Floor Structural Plan
Elevation "A"

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General Notes:

1. REFER TO SHEET S-0 FOR ENGINEERING NOTES.

Key Notes:

Space for Architect Seal



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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RGA-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
-----------------------------------	---------------------------------	-------------------------------	--------------------------------------

House Name:	Drawing Scale: 1/8" = 1'0"	Contract Drawn By: GLP
-------------	----------------------------	----------------------------------

the CHANLEY	Series:
	PREMIER

Born on Date: 01/18/2024	CDs Drawn By: CLM	Plan No.:
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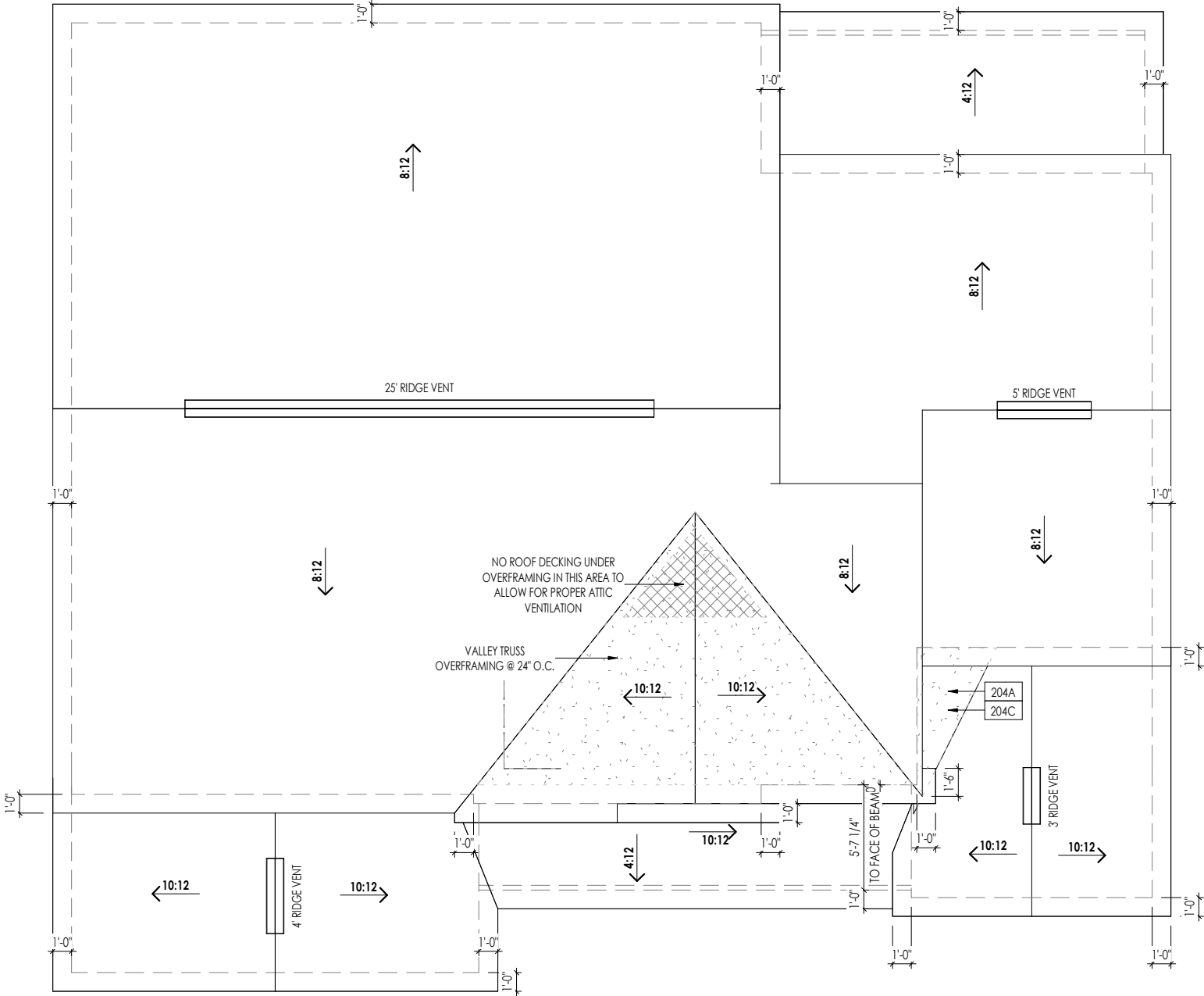
Sheet Information

2.03S
Third Floor Structural Plan
Elevation "A"

ROOF VENTILATION			
CITY/SERIES:		RALEIGH	
	MAIN HOUSE	GARAGE	HOME OFFICE
TOTAL ATTIC AREA:	2.305	242	195
REQUIRED NET FREE VENTILATION (ATTIC AREA/300):	7.68	0.81	0.65
ACTUAL NET FREE VENTILATION (UPPER + LOWER):	8.42	1.23	1.20
DOWNSPOUT CALCULATION			
	MAIN HOUSE	GARAGE	HOME OFFICE
TOTAL DRAINABLE ROOF AREA:	2996.5	314.6	253.5
MINIMUM # OF DOWNSPOUTS:	5	1	1

HEEL CUT STANDARDS			
	OVERHANG		
	1'-0"	2'-0"	
ROOF PITCH	4:12	3-3/4"	7-3/4"
	5:12	4-3/4"	9-3/4"
	6:12	5-3/4"	11-3/4"
	7:12	6-3/4"	13-3/4"
	8:12	7-3/4"	N/A
	9:12	8-3/4"	N/A
	10:12	9-3/4"	N/A
	12:12	11-3/4"	N/A
	14:12	13-3/4"	N/A

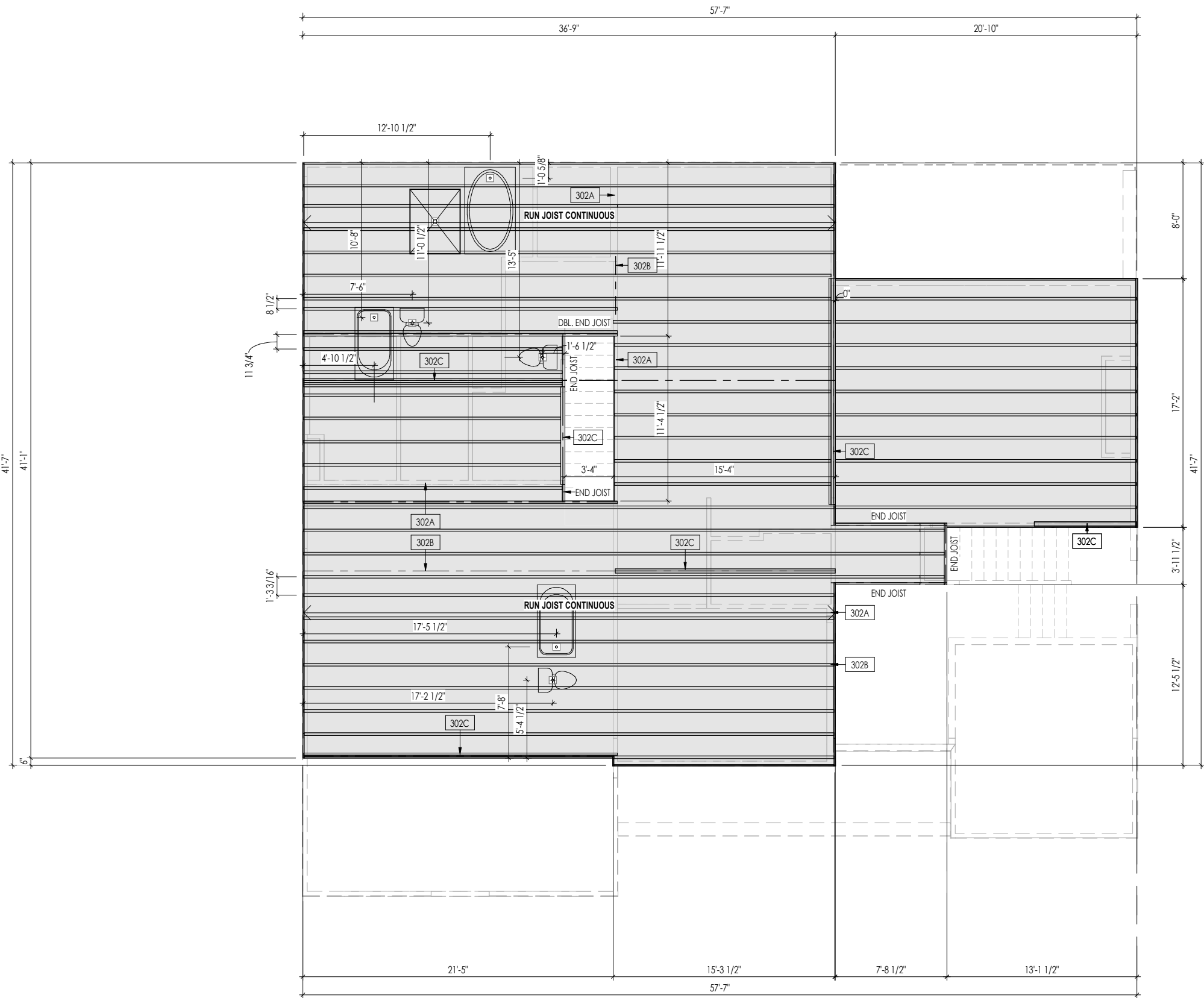
General Notes:	
1. REFER TO SHEET ON.1 FOR GENERAL NOTES AND SHEET SD-0 FOR ENGINEERING NOTES.	
Key Notes:	
204A	VALLEY TRUSS OVER-FRAMING @ 24" O.C.
204C	SADDLE: MIN. 4:12 PITCH - EXTEND 18" PAST FRAME WALL



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RESIDENCE FOR: BRENNER SNEED LANE RALEIGH ELEVATE			
Job Number: RG-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name: the CHANLEY			Contract Drawn By: GLP
Born on Date: 01/18/2024			Series: PREMIER
CDs Drawn By: CLM			Plan No.:
 Copyright © 2023 (2023) The Drees Company. All Rights Reserved. 8521 Six Forks Road, Suite 500, Raleigh, NC. 27615 Phone: (919) 844-9288		Sheet Information	2.04 Roof Plan Elevation "A"

7/16/2025 11:12:00 AM



- General Notes:
1. REFER TO SHEET ON.1 FOR GENERAL NOTES.
 2. FLOOR JOISTS TO BE 14" TJI 210 SERIES, OR EQUAL, @ 19.2" O.C., UNLESS OTHERWISE NOTED.
 3. JOISTS ARE NOT TO BE PLACE DIRECTLY OVER INTERIOR PARALLEL WALL.
(TO PREVENT UNEVEN FLOOR DEFLECTION FROM OCCURRING)
 4. ADD'L JOISTS MAY BE LOCATED UP TO 2" AWAY FROM THE PARTITION WALL ABOVE IN CASES WHERE MECHANICAL PENETRATIONS

Key Notes:

302A	BEARING WALL BELOW
302B	BEAM BELOW - SEE SHEET 2.01S FOR MORE INFO
302C	FLUSH BEAM - SEE SHEET 2.01S FOR MORE INFO

Space for Architect Seal

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RESIDENCE FOR:

BRENNER

SNEED LANE

RALEIGH ELEVATE

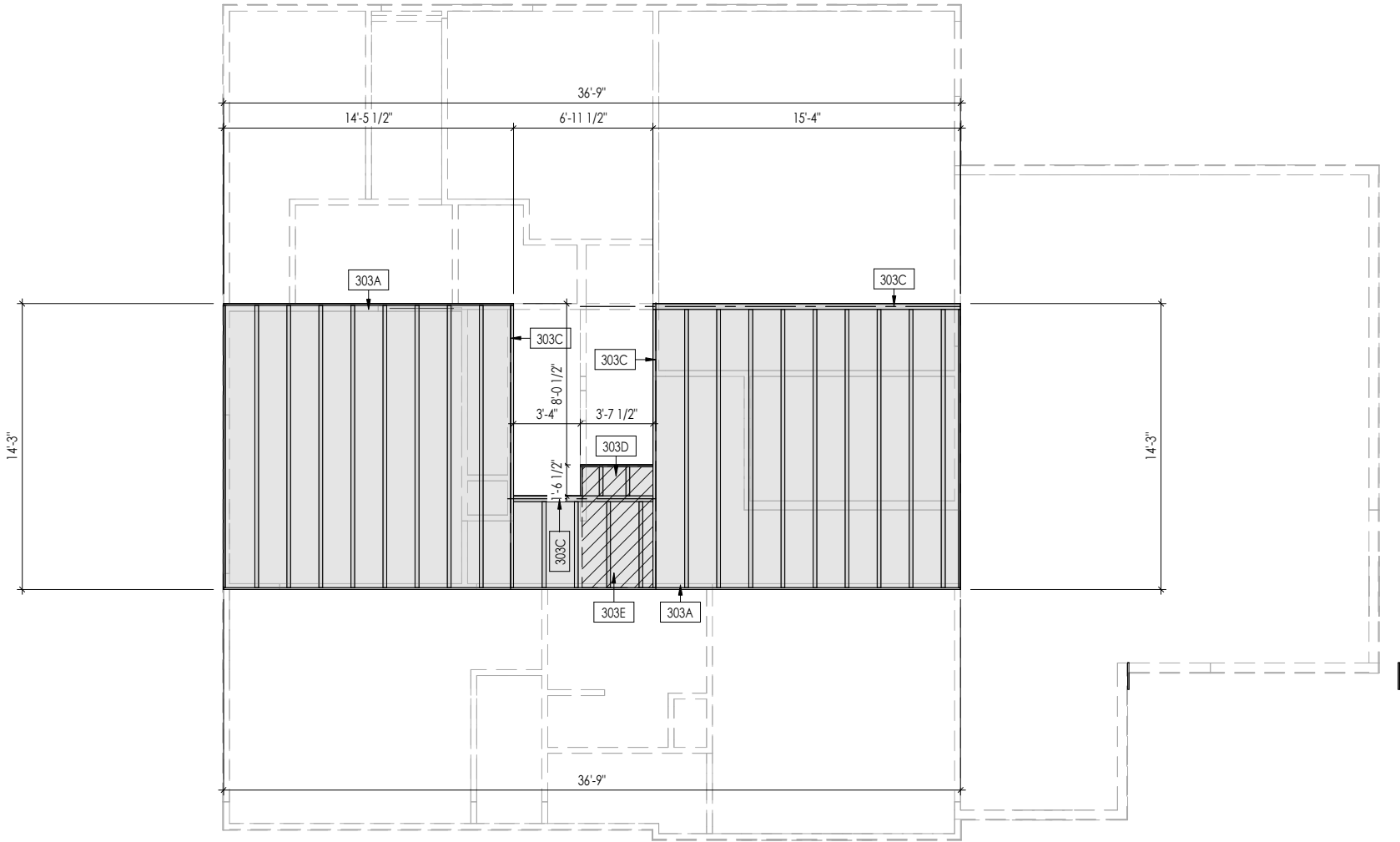
Job Number: RG-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name: the CHANLEY			Contract Drawn By: GLP
Born on Date: 01/18/2024			CDs Drawn By: CLM

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Sheet Information

3.02

Second Floor Subfloor Plan
Elevation "A"



General Notes:

1. REFER TO SHEET ON.1 FOR GENERAL NOTES.
2. FLOOR JOISTS TO BE 11 7/8" TJI 210 SERIES, OR EQUAL, @ 19.2" O.C., UNLESS OTHERWISE NOTED.
3. JOISTS ARE NOT TO BE PLACE DIRECTLY OVER INTERIOR PARALLEL WALL.
(TO PREVENT UNEVEN FLOOR DEFLECTION FROM OCCURRING)
4. ADD'L JOISTS MAY BE LOCATED UP TO 2" AWAY FROM THE PARTITION WALL ABOVE IN CASES WHERE MECHANICAL PENETRATIONS

Key Notes:

Space for Architect Seal



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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RG-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name: the CHANLEY			Contract Drawn By: GLP
Drawing Scale: 1/8" = 1'0"			Series: PREMIER
Born on Date: 01/18/2024			Plan No.: CLM

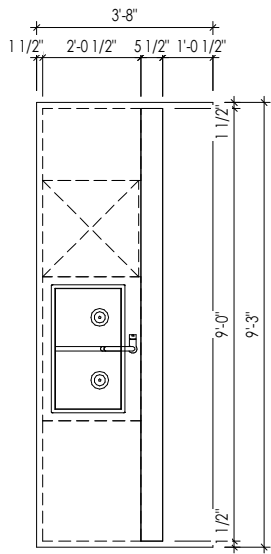


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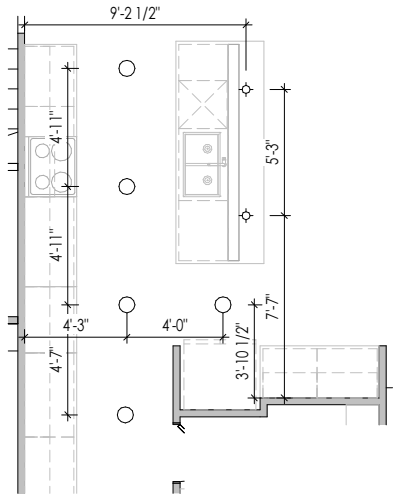
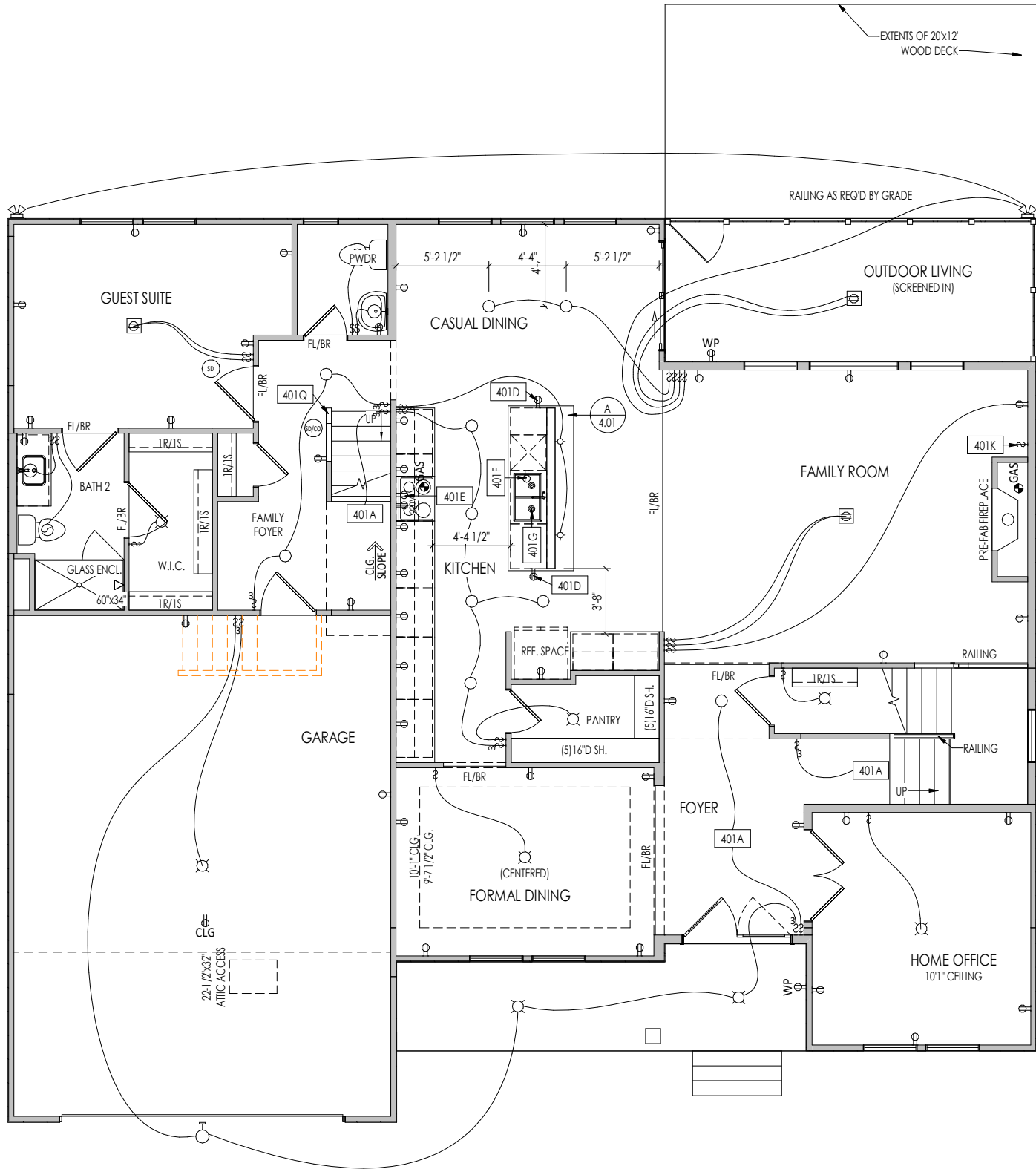
Sheet Information

3.03
Third Floor Subfloor Plan
Elevation "A"

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A
4.01
Kitchen Island Detail
1/4" = 1'-0"



B
4.01
Kitchen Lighting Detail
1/8" = 1'-0"

General Notes:

1. REFER TO SHEET ON.1 FOR GENERAL NOTES.

Key Notes:

401A	TO SWITCH OR LIGHT ABOVE
401D	HOLD OUTLET HIGH ON ISLAND
401E	OUTLET FOR RANGE HOOD/MICROWAVE HELD HIGH - VENT TO EXTERIOR
401F	OUTLET FOR DISHWASHER LOCATED IN SINK CABINET
401G	PUSH BUTTON FOR GARBAGE DISPOSAL OR SWITCH LOCATED IN SINK CABINET - REFER TO SELECTIONS
401K	SWITCHES FOR BLOWER UNIT WITH DIRECT VENT FIREPLACE ONLY
401Q	36" HIGH SLOPED WALL W/ WOOD CAP

MECHANICAL LEGEND

⊖ WALL OUTLET	⊙ CLG. MOUNTED LIGHT FIXT.	⊕ HOSE BIB
⊖ WEATHERPROOF GFCI OUTLET	⊙ SURFACE MOUNT DISC LIGHT OR RECESSED CEILING LIGHT, PER SPECS.	⊖ SHOWER HEAD
⊖ 220 VOLT OUTLET	⊖ WALL MOUNTED LIGHT FIXT.	⊖ GAS HOOK UP
⊖ GFCI OUTLET	⊖ DOUBLE SPOTLIGHT FIXT.	⊖ FLOOR DRAIN
⊖ FLOOR OUTLET	⊖ DIRECTIONAL CAN LIGHT	⊖ SMOKE DETECTOR
⊖ COUNTER POP-UP OUTLET	⊖ PIN LIGHT	⊖ SMOKE DETECTOR/CO DETECTOR COMBINATION
⊖ SINGLE POLE SWITCH	⊖ WALL SCONCE @ 5'-6" A.F.F.	⊖ EXHAUST FAN AND LIGHT COMBINATION
⊖ 3-WAY SWITCH	⊖ FLUORESCENT LIGHT	⊖ CLG. MTD. EXHAUST FAN
⊖ 4-WAY SWITCH	⊖ UNDER CABINET LIGHTING	⊖ DATA JACK
⊖ STAIR LIGHT		⊖ CABLE TELEVISION JACK
⊖ BLOCK, MOUNT, & SWITCH FOR FUTURE FAN/LIGHT COMBINATION (CENTER, UNLESS OTHERWISE NOTED)		

Space for Architect Seal



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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RGAR-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
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House Name: the CHANLEY	Drawing Scale: 1/8" = 1'-0"	Contract Drawn By: GLP
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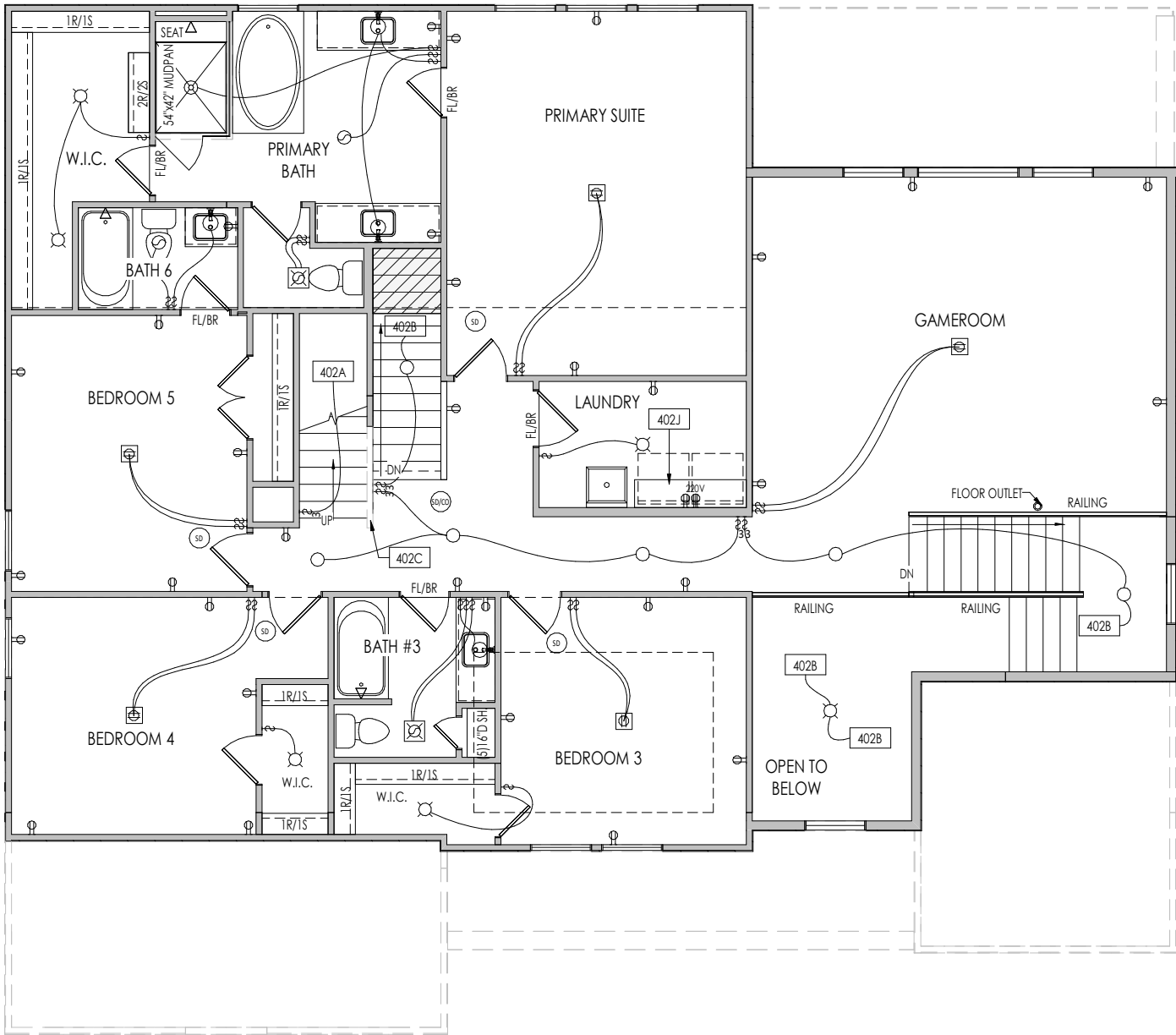
Series: PREMIER

Plan No.: 4.01

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Sheet Information

4.01
First Floor Mechanical Plan
Elevation "A"



General Notes:

1. REFER TO SHEET ON.1 FOR GENERAL NOTES.

Key Notes:

402A	TO SWITCH OR LIGHT ABOVE
402B	TO SWITCH OR LIGHT BELOW
402C	36" HIGH SLOPED WALL W/ WOOD CAP
402J	UPPER WALL CABINETS OR 16" DEEP x 5'-6" LONG SHELF HELD AT 5'-7" A.F.F. - REFER TO SELECTIONS

MECHANICAL LEGEND

WALL OUTLET	CLG. MOUNTED LIGHT FIXT.	HOSE BIB
WEATHERPROOF GFCI OUTLET	SURFACE MOUNT DISC LIGHT OR RECESSED CEILING LIGHT, PER SPECS.	SHOWER HEAD
220 VOLT OUTLET	WALL MOUNTED LIGHT FIXT.	GAS GAS HOOK UP
GFCI OUTLET	DOUBLE SPOTLIGHT FIXT.	FLOOR DRAIN
FLOOR OUTLET	DIRECTIONAL CAN LIGHT	SMOKE DETECTOR
COUNTER POP-UP OUTLET	PIN LIGHT	SMOKE DETECTOR/ CO DETECTOR COMBINATION
SINGLE POLE SWITCH	WALL SCONCE @ 5'-6" A.F.F.	EXHAUST FAN AND LIGHT COMBINATION
3-WAY SWITCH	FLUORESCENT LIGHT	CLG. MTD. EXHAUST FAN
4-WAY SWITCH	UNDER CABINET LIGHTING	DATA JACK
STAIR LIGHT		CABLE TELEVISION JACK
BLOCK, MOUNT, & SWITCH FOR FUTURE FAN/LIGHT COMBINATION (CENTER, UNLESS OTHERWISE NOTED)		

Space for Architect Seal



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RESIDENCE FOR:

BRENNER

SNEED LANE

RALEIGH ELEVATE

Job Number: RGA-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
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House Name:	Drawing Scale: 1/8" = 1'0"	Contract Drawn By: GLP
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the CHANLEY

Series: PREMIER	Plan No.:
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Born on Date: 01/18/2024	CDs Drawn By: CLM
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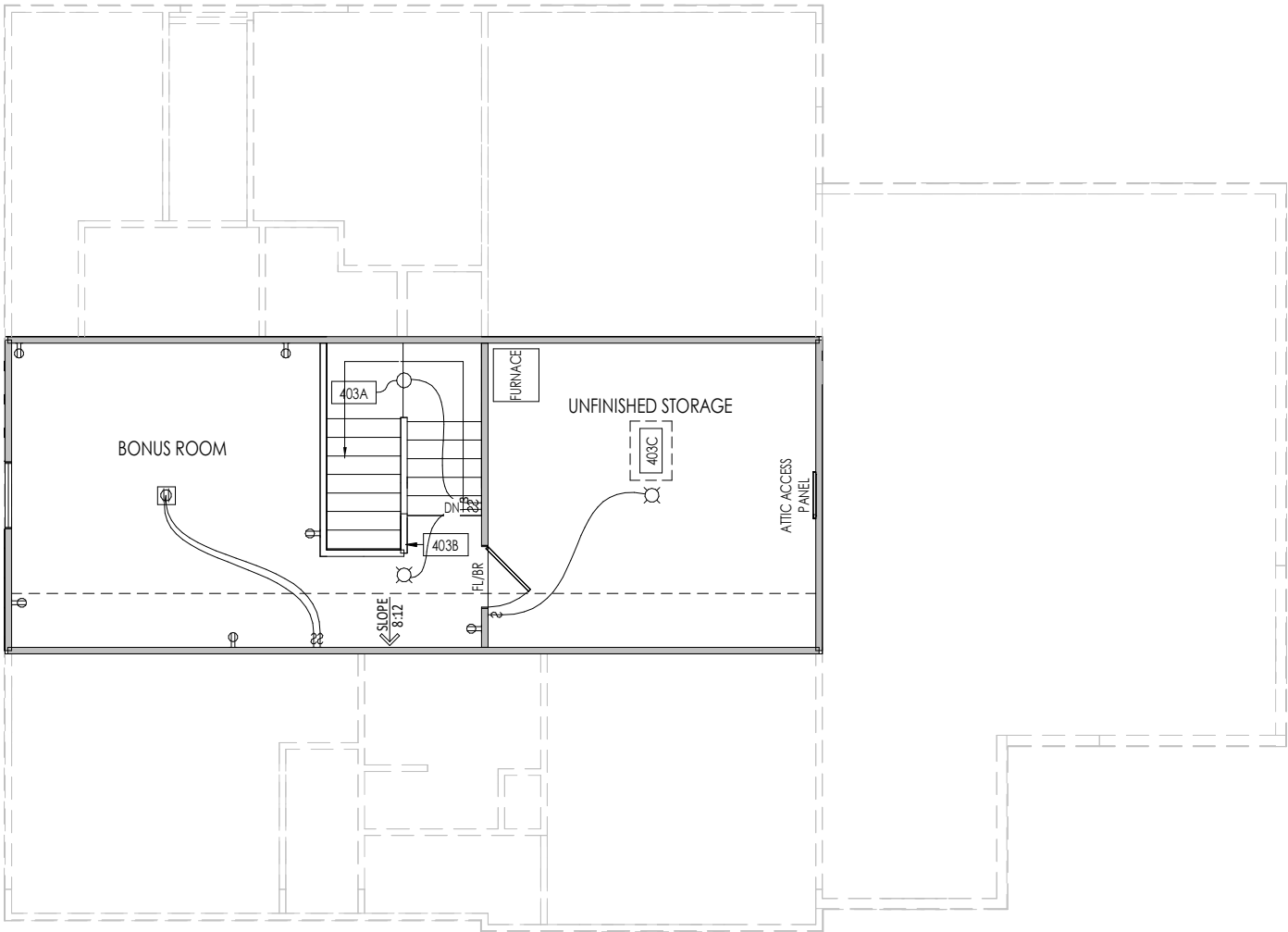
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Sheet Information

4.02
Second Floor Mechanical Plan
Elevation "A"

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General Notes:

1. REFER TO SHEET ON.1 FOR GENERAL NOTES.

Key Notes:

403A TO SWITCH OR LIGHT BELOW

403B 36" HIGH WALL WITH WOOD CAP

403C 22-1/2" x 32" ATTIC ACCESS PANEL IN CEILING

MECHANICAL LEGEND

WALL OUTLET	CLG. MOUNTED LIGHT FIXT.	HOSE BIB
WEATHERPROOF GFCI OUTLET	SURFACE MOUNT DISC LIGHT OR RECESSED CEILING LIGHT, PER SPECS.	SHOWER HEAD
220 VOLT OUTLET	WALL MOUNTED LIGHT FIXT.	GAS GAS HOOK UP
GFCI OUTLET	DOUBLE SPOTLIGHT FIXT.	FLOOR DRAIN
FLOOR OUTLET	DIRECTIONAL CAN LIGHT	SMOKE DETECTOR
COUNTER POP-UP OUTLET	PIN LIGHT	SMOKE DETECTOR/CO DETECTOR COMBINATION
SINGLE POLE SWITCH	WALL SCONCE @ 5'-6" A.F.F.	EXHAUST FAN AND LIGHT COMBINATION
3-WAY SWITCH	FLUORESCENT LIGHT	CLG. MTD. EXHAUST FAN
4-WAY SWITCH	UNDER CABINET LIGHTING	DATA JACK
STAIR LIGHT	BLOCK, MOUNT, & SWITCH FOR FUTURE FAN/LIGHT COMBINATION (CENTER, UNLESS OTHERWISE NOTED)	CABLE TELEVISION JACK

Space for Architect Seal



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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RGAR-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
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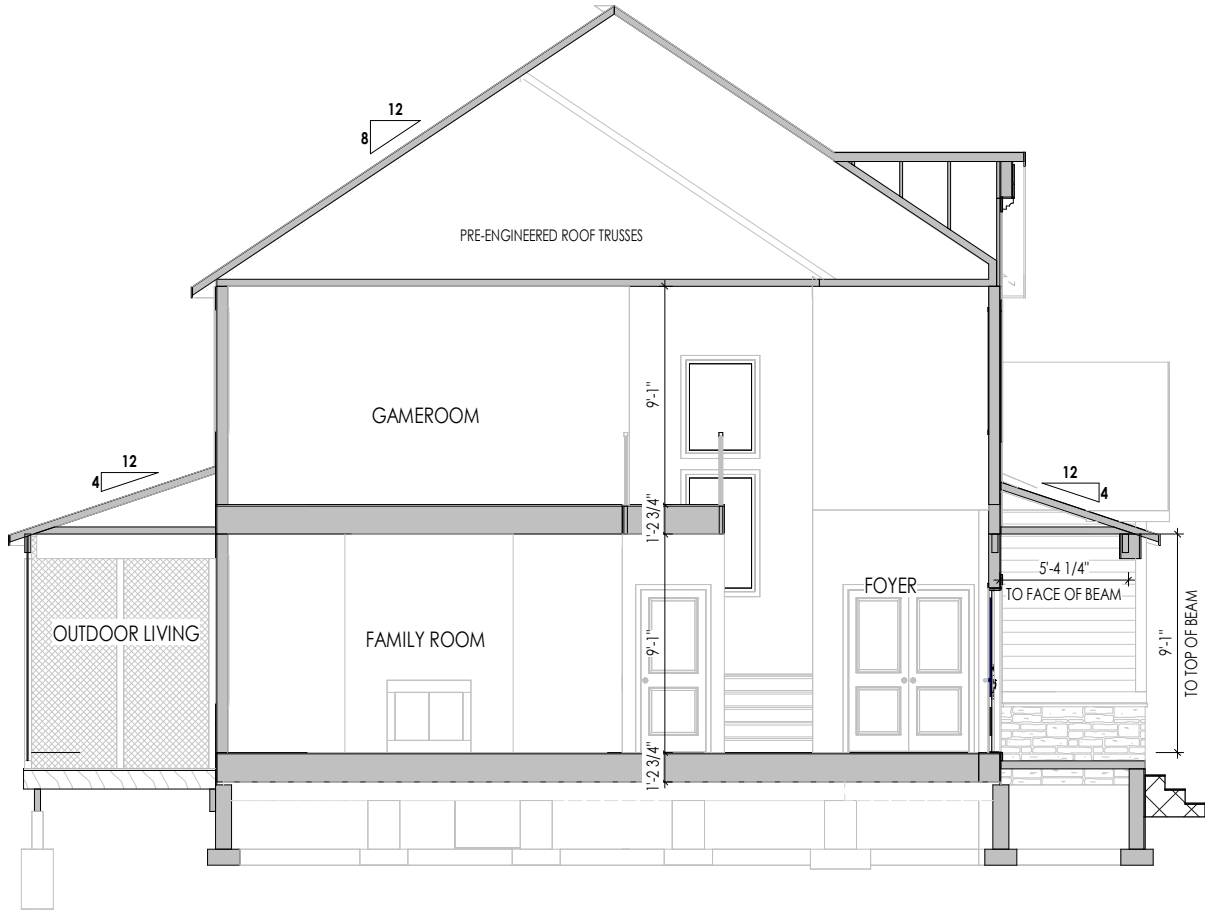
House Name: the CHANLEY	Drawing Scale: 1/8" = 1'0"	Contract Drawn By: GLP
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Series: PREMIER

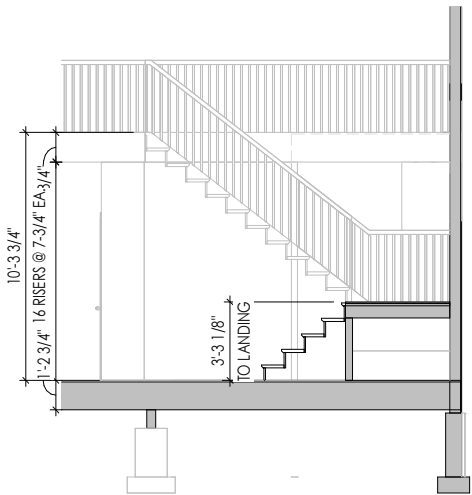
Plan No.:

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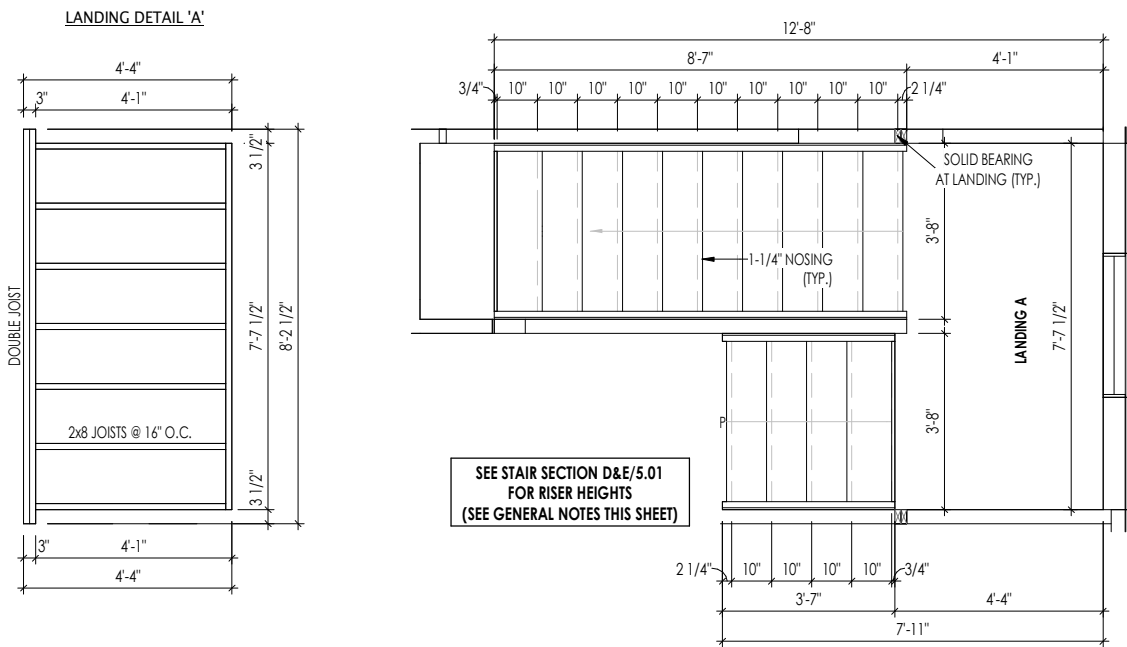
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A
5.01 - Building Section
1/8" = 1'-0"



B
5.02 - Stair Section - MAIN
1/8" = 1'-0"



C
Main Stair Details
1/4" = 1'-0"

General Notes:

1. REFER TO SHEET ON.1 FOR GENERAL NOTES.
2. REFER TO SELECTION SHEETS FOR FLOORING MATERIAL PRIOR TO CONSTRUCTING STAIRS TO DETERMINE RISER HEIGHTS

Key Notes:

Space for Architect Seal



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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

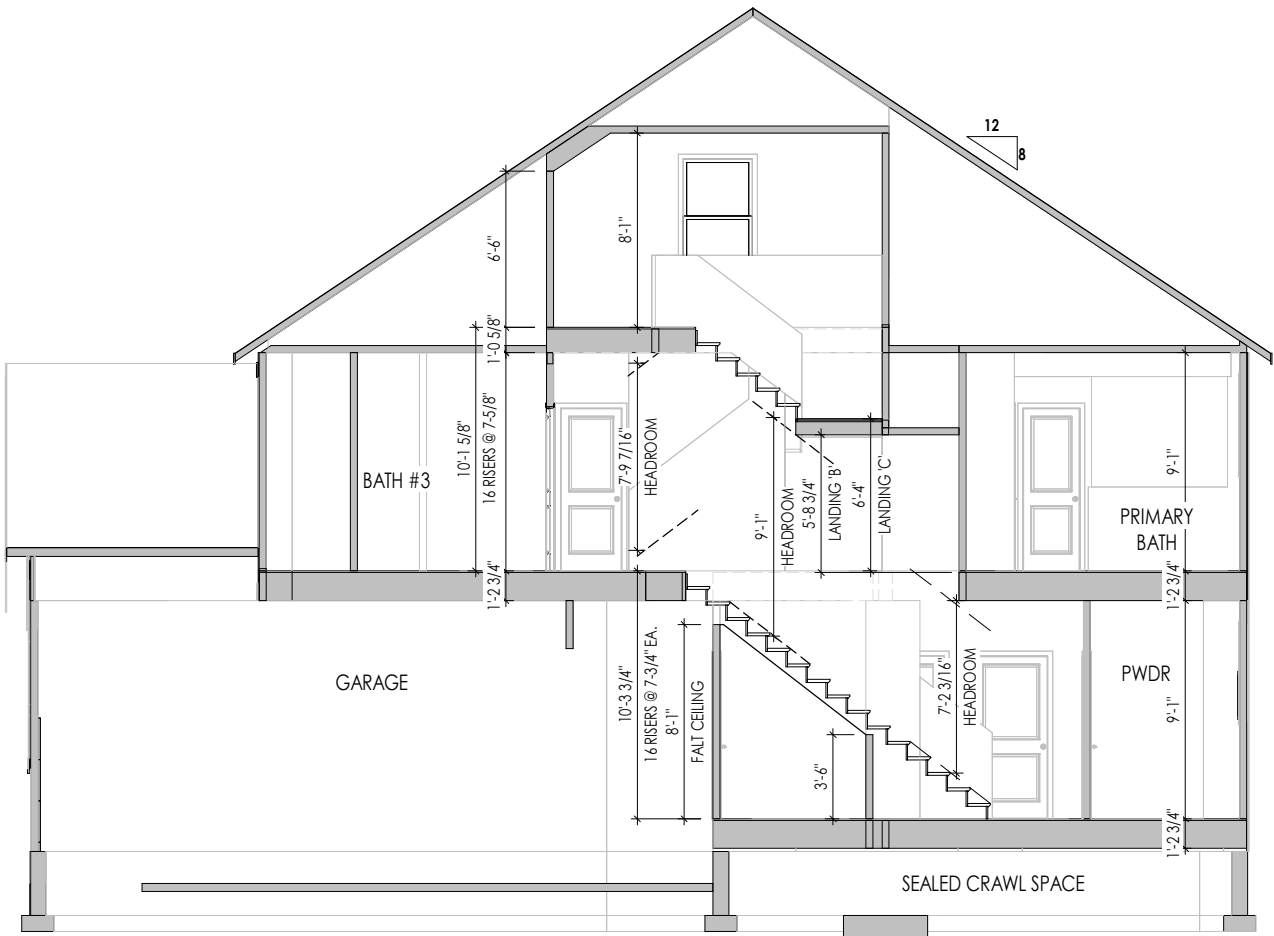
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House Name: the CHANLEY		Contract Drawn By: GLP	
Born on Date: 01/18/2024		CDs Drawn By: CLM	
Series: PREMIER		Plan No.:	

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Sheet Information

5.01
Building Section
Elevation "A"

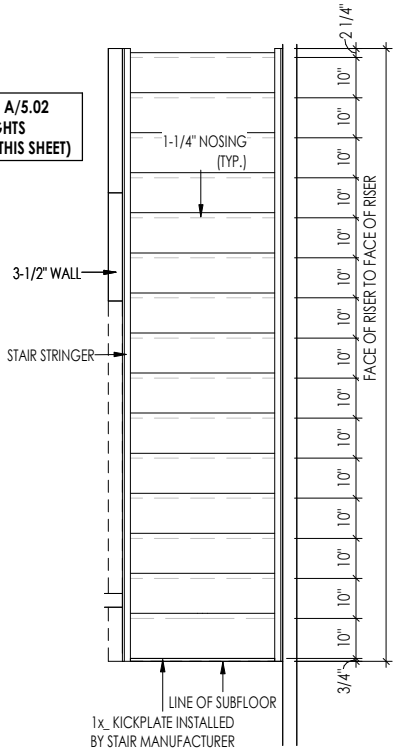
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A
5.02
1/8" = 1'-0"

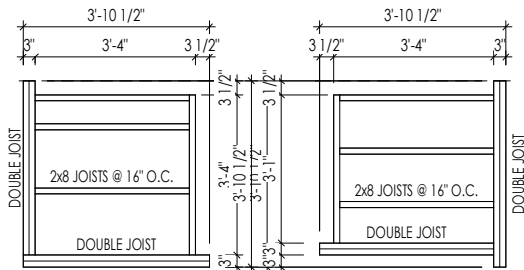
5.02 - Building Section Thru Garage

SEE STAIR SECTION A/5.02
FOR RISER HEIGHTS
(SEE GENERAL NOTES THIS SHEET)



B
5.02
1/4" = 1'-0"

Rear Stair Details



LANDING DETAIL 'C'

LANDING DETAIL 'B'

General Notes:

1. REFER TO SHEET ON.1 FOR GENERAL NOTES.
2. REFER TO SELECTION SHEETS FOR FLOORING MATERIAL PRIOR TO CONSTRUCTING STAIRS TO DETERMINE RISER HEIGHTS

Key Notes:

Space for Architect Seal



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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RG-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
----------------------------------	---------------------------------	-------------------------------	--------------------------------------

House Name: the CHANLEY	Drawing Scale: 1/8" = 1'-0"	Contract Drawn By: GLP
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Series: PREMIER

Plan No.:

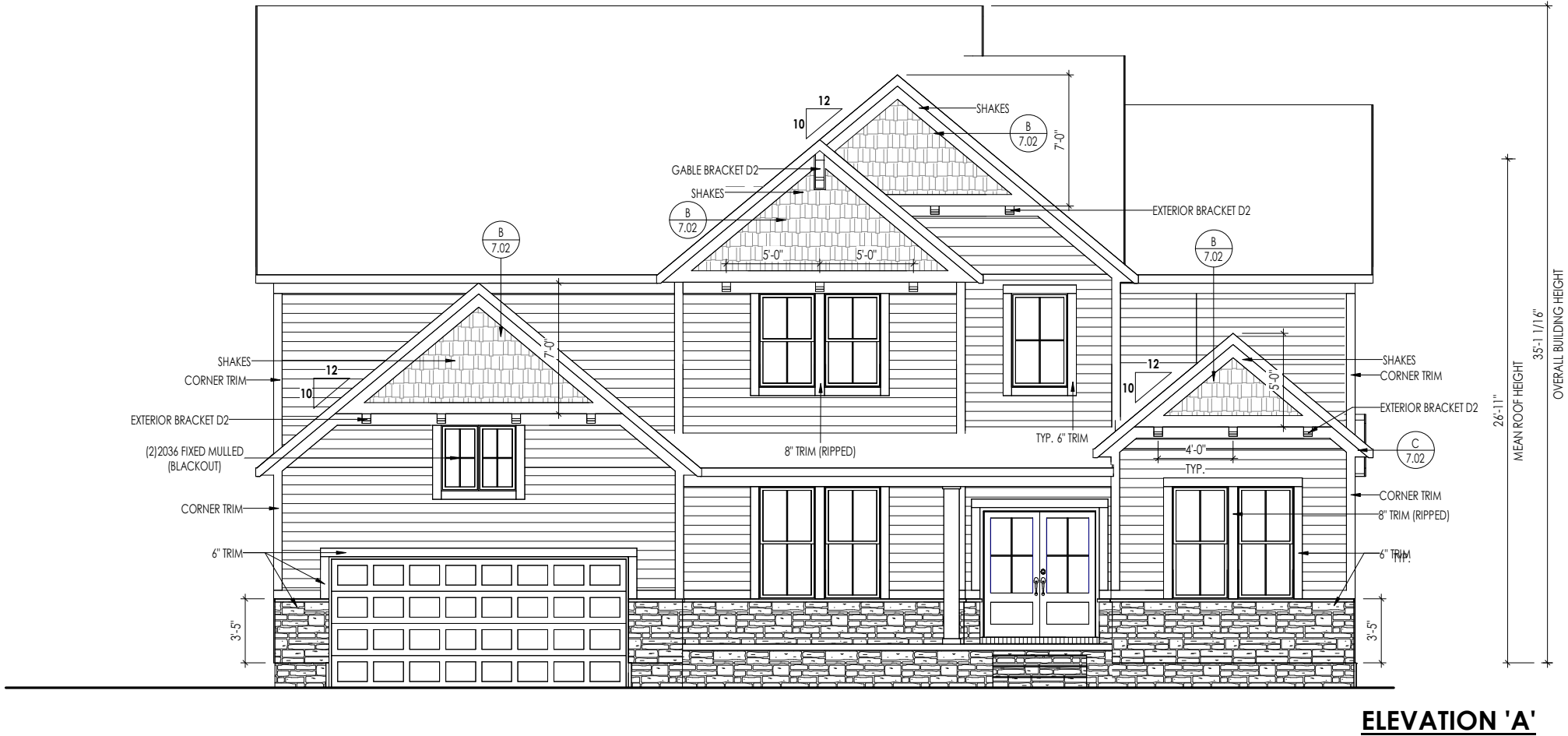
 Copyright © 2023 (2023) The Drees Company. All Rights Reserved. 8521 Six Forks Road, Suite 500, Raleigh, NC. 27615 Phone: (919) 844-9288	Sheet Information	5.02 Building Section Elevation "A"
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ALL FRONT ELEVATION MATERIALS
TO WRAP CORNERS UNTIL MET
WITH A PERPENDICULAR WALL

TYPICAL TRIM:
6" FASCIA (ALL SIDES)
8" FRIEZE (FRONT ONLY, UNLESS OTHERWISE NOTED)

- General Notes:
1. REFER TO SHEET ON.1 FOR GENERAL NOTES.
 2. ROOFING MATERIAL PER SELECTIONS.
 3. REFER TO SHEET S-0 FOR LINTEL SCHEDULE.
 4. CONTACT M&K ENGINEERING FOR HEADER SIZE/BRICK SUPPORT IF GRADE DROPS AND THE AMOUNT OF BRICK OVER GARAGE DOOR SHOWN ON CURRENT ELEVATION IS NO LONGER ACCURATE (IF APPLICABLE)
- Key Notes:



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07/23/2025 4:05:09 PM

RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RG-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name: the CHANLEY			Contract Drawn By: GLP
Born on Date: 01/18/2024			Series: PREMIER
CDs Drawn By: CLM			Plan No.:



Sheet Information

6.01
Front Elevation
Elevation "A"

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TYPICAL TRIM:
6" FASCIA (ALL SIDES)
8" FRIEZE (FRONT ONLY, UNLESS OTHERWISE NOTED)

General Notes:

1. REFER TO SHEET ON.1 FOR GENERAL NOTES.
2. ROOFING MATERIAL PER SELECTIONS.
3. REFER TO SHEET S-0 FOR LINTEL SCHEDULE.

Key Notes:

Space for Architect Seal



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07/23/2025 4:05:10 PM

RESIDENCE FOR:

BRENNER

SNEED LANE

RALEIGH ELEVATE

Job Number: RGA-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name:			Contract Drawn By: GLP
the CHANLEY			Series: PREMIER
			Plan No.:
Born on Date: 01/18/2024	CDs Drawn By: CLM		



Sheet Information

6.03
Rear Elevation
Elevation "A"

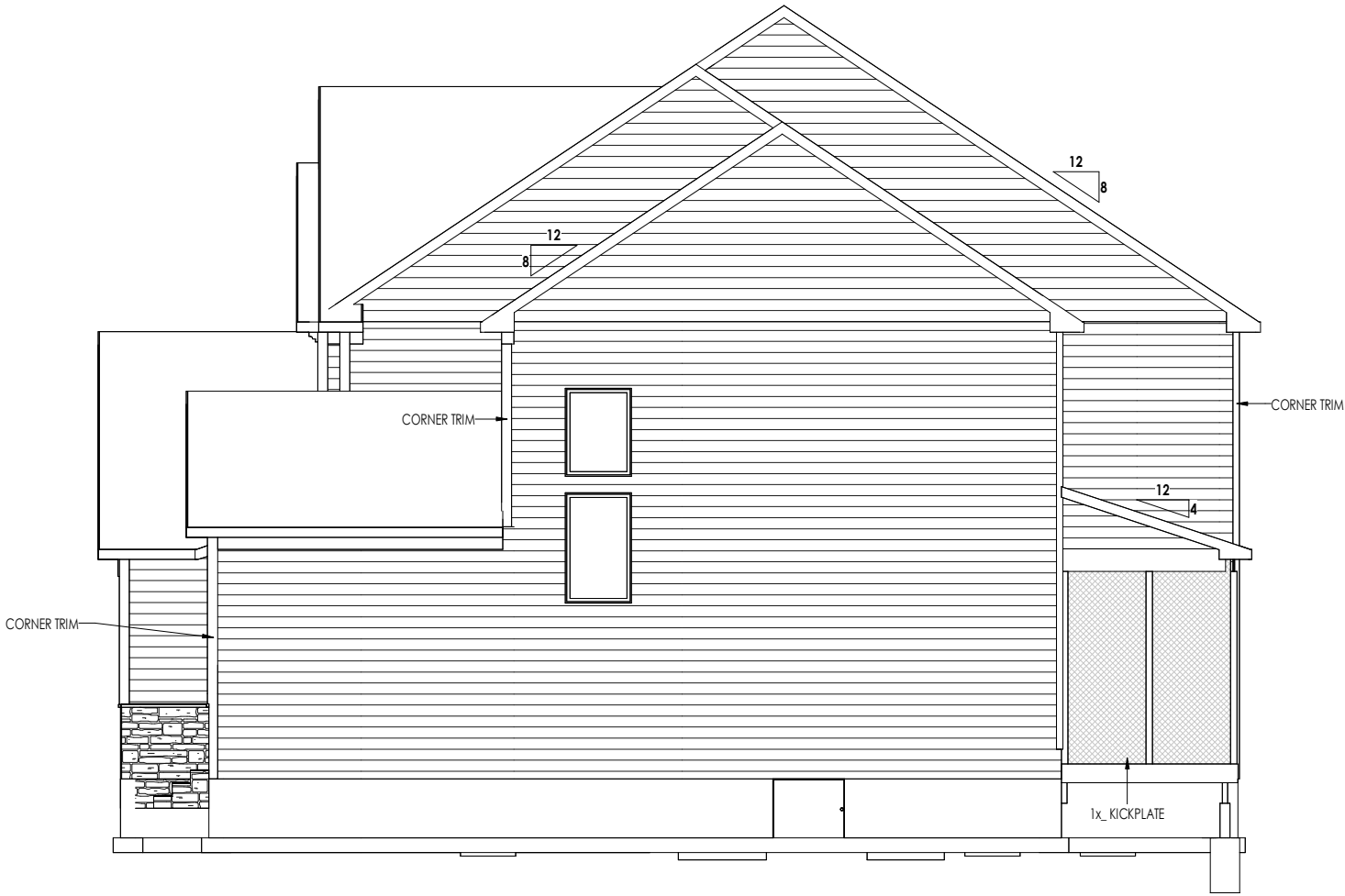
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TYPICAL TRIM:
6" FASCIA (ALL SIDES)
8" FRIEZE (FRONT ONLY, UNLESS OTHERWISE NOTED)

General Notes:

1. REFER TO SHEET ON.1 FOR GENERAL NOTES.
2. ROOFING MATERIAL PER SELECTIONS.
3. REFER TO SHEET S-0 FOR LINTEL SCHEDULE.

Key Notes:



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RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

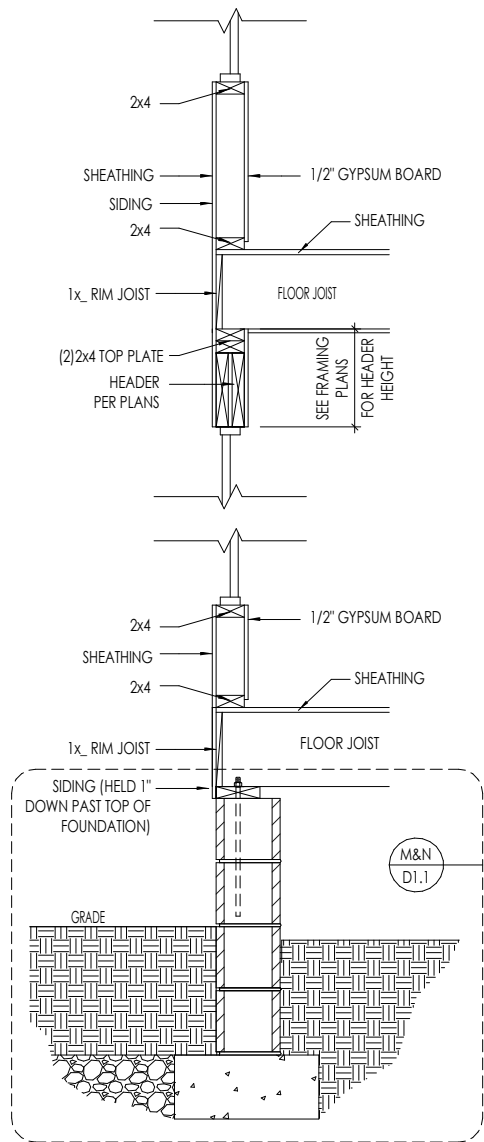
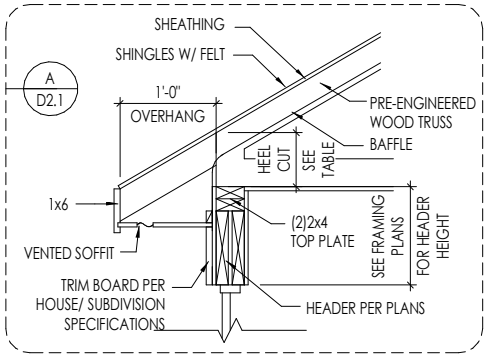
Job Number: RG-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name: the CHANLEY			Contract Drawn By: GLP
Born on Date: 01/18/2024			Series: PREMIER
CDs Drawn By: CLM			Plan No.:

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Sheet Information

6.04
Side Elevation
Elevation "A"



TYPICAL WALL SECTIONS
SCALE: 1/2" = 1'-0"



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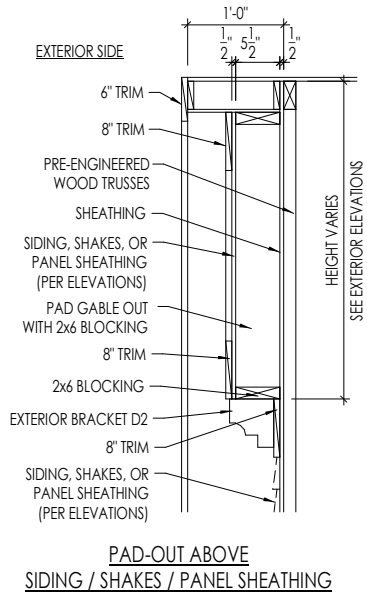
RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RGA-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name: the CHANLEY			Contract Drawn By: GLP
Born on Date: 01/18/2024			Series: PREMIER
CDs Drawn By: CLM			Plan No.:

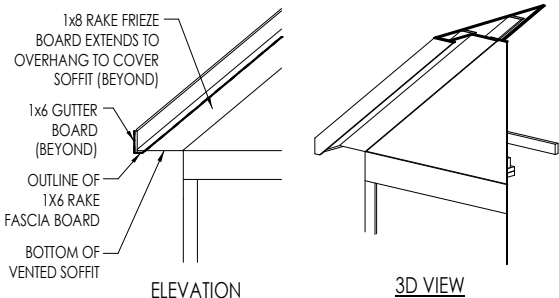
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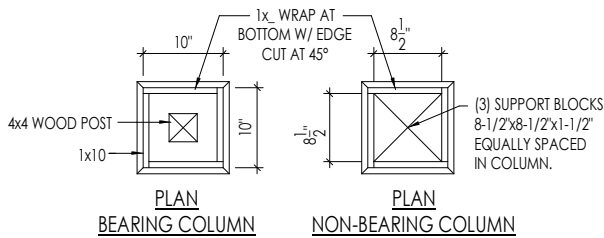
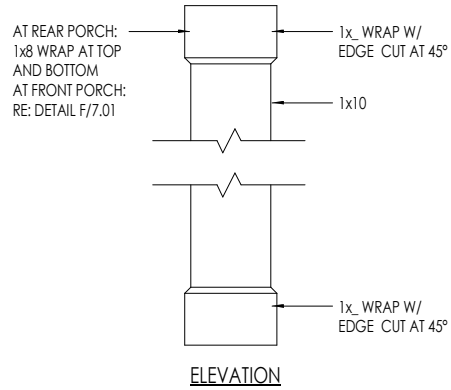
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House Specific Details
Elevation "A"



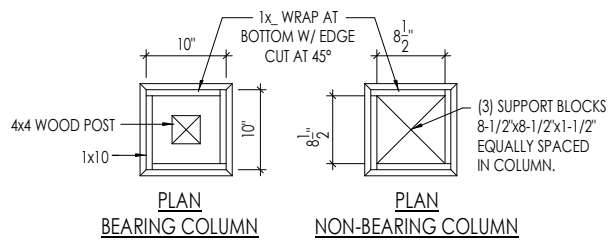
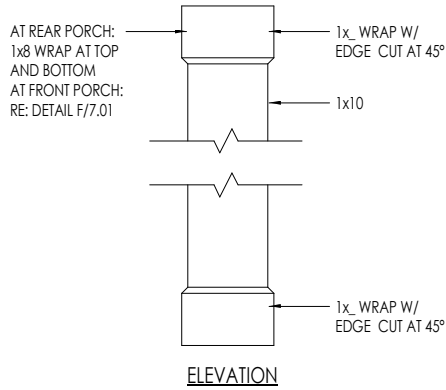
B
7.02 GABLE PAD-OUT DETAIL
SCALE: 1/2" = 1'-0"



C
7.02 RAFTER TAIL DETAIL
SCALE: 1/4" = 1'-0"



E
7.02 10" BOX COLUMN DETAIL
SCALE: 1/2" = 1'-0"



A
7.02 FRONT PORCH COLUMN
SCALE: 1/2" = 1'-0"



The Drees Company
07/23/2025 4:05:10 PM

RESIDENCE FOR:
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RG-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name:		Drawing Scale: 1/8" = 1'-0"	
the CHANLEY		Contract Drawn By: GLP	
		Series: PREMIER	
Born on Date: 01/18/2024		CDs Drawn By: CLM	



Sheet Information

7.02
House Specific Details
Elevation "A"

CONNECTION SPECIFICATIONS (TYP. U.N.O.)

NOTE: 10d NAIL = 3" x 0.131" GUN NAIL	
JOIST TO SOLE PLATE	(3)10d TOENAILS
SOLE PLATE TO JOIST/BLK'G	10d NAILS @ 6" O.C.
STUD TO SOLE PLATE	(3)10d TOENAILS
TOP OR SOLE PLATE TO STUD	(3)10d NAILS
RIM TO TOP PLATE	10d TOENAILS @ 6" O.C.
BLK'G, BTWN. JOISTS TO TOP PL.	(3)10d TOENAILS
RAFTER/TRUSSES TO TOP PLATE	(3)10d TOENAILS + (1) SIMPSON H2.5A
GAB. END TRUSS TO DBL. TOP PL.	10d TOENAILS @ 8" O.C.
R.T. w/ HEEL HT. 9 1/4" TO 12"	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ 10d TOENAILS @ 6" O.C.
R.T. w/ HEEL HT. 12" TO 16"	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ 10d TOENAILS @ 6" O.C.
R.T. w/ HEEL HT. UP TO 24"	LAP WALL SHTG. w/ DBL. TOP PL. # INSTALL ON TRUSS VERT. - FASTEN w/ 8d NAILS @ 6" O.C.
R.T. w/ HEEL HT. 24" TO 48"	LAP WALL SHTG. w/ DBL. TOP PL. # INSTALL ON TRUSS VERT. - FASTEN w/ 8d NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL
DOUBLE STUD	10d NAILS @ 24" O.C.
DOUBLE TOP PLATE	10d NAILS @ 24" O.C.
DOUBLE TOP PLATE LAP SPLICE	(10)10d NAILS IN LAPPED AREA
TOP PLATE LAP @ CORNERS & INTERSECTING WALLS	(2)10d NAILS
WALL TO FOUNDATION	WALL SHTG. LAP w/ SILL PL. & FASTENED PER SHEAR WALL FASTENING SPEC.

GARAGE SLAB

4" CONC. SLAB w/ 6x6-WI.4xWI.4
WMF ON 6 MIL VAPOR BARRIER
ON 4" MIN. GRANULAR FILL ON 95%
COMPACTED FILL/VIRGIN SOIL

PORCH SLAB

4" CONC. SLAB w/ 6x6-WI.4xWI.4 WMF ON
95% COMPACTED FILL/VIRGIN SOIL

BASEMENT SLAB

4" CONC. SLAB ON 6 MIL VAPOR BARRIER
ON 4" MIN. GRANULAR FILL ON
95% COMPACTED FILL/VIRGIN SOIL

SLAB ON GRADE

4" CONC. SLAB w/ 6x6-WI.4xWI.4 WMF ON 6
MIL VAPOR BARRIER ON 4" MIN. GRANULAR
FILL ON 95% COMPACTED FILL/VIRGIN SOIL

VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	3 FT. MAX	L4"x3"x1/4"
6'-0"	20 FT. MAX	L4"x3"x1/4"
	16 FT. MAX	L5"x3"x3/8"
8'-0"	6 FT. MAX	L5"x3"x3/8"
9'-6"	3 FT. MAX	L5"x3"x3/8"
12'-0"	2 FT. MAX	L5"x3"x3/8"

ALL LINTELS:
- SHALL SUPPORT 2 3/4" - 3 1/2" VENEER w/ 40 psf MAXIMUM HEIGHT.
- 16" SHALL HAVE 4" MIN. BEARING
- 18" SHALL HAVE 8" MIN. BEARING
- 12" SHALL NOT BE FASTENED BACK TO HEADER.
- 12" SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @48"O.C. w/ 1/2" DIA. x 3 1/2" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.
- MAX. VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
- ALL LINTELS SHALL BE LONG LBS VERTICAL.
- ALL LINTELS SHALL BE MADE OF 36 KSI STEEL.
- WHEN SUPPORTING VENEER < 3" NIDE THE EXTERIOR TOE OF THE HORIZONTAL LBS
MAY BE CUT IN THE FIELD TO BE 3 1/2" WIDE OVER THE BEARING LENGTH ONLY.
THIS IS TO ALLOW FOR MORTAR JOINT FINISHING.
- SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE
ABOVE PARAMETERS. MKK STD. - MAY 2016

LEGEND

- INTERIOR BEARING WALL
- BEARING WALL ABOVE
- BEAM / HEADER
- EXTENT OF OVERFRAMING

- JL METAL HANGER

-

- INDICATES HOLDDOWN

- INDICATES POST ABOVE (P.A.) PROVIDE
SOLID BLOCKING UNDER POST OR JAMB
ABOVE.

ADDITIONAL NOTES FOR TRUSS &
I-JOIST MANUFACTURER

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED
JOISTS SHALL BE DESIGNED TO MEET THE
DEFLECTION CRITERIA BELOW, UNLESS NOTED
OTHERWISE ON PLAN. MULHERN & KULP CANNOT BE
HELD RESPONSIBLE FOR ANY STRUCTURAL ISSUES
RELATED TO ANY BUILDING COMPONENT IF
COMPONENT SHOP DRAWINGS ARE NOT SUBMITTED
TO MKK FOR REVIEW PRIOR TO FABRICATION,
DELIVERY, OR INSTALLATION.

TRUSSES/JOISTS SHALL BE DESIGNED SO THAT
DIFFERENTIAL DEFLECTION BETWEEN ADJACENT
PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUSH
BEAMS DO NOT EXCEED THE FOLLOWING:

- A. ROOF TRUSSES:
1/4" DEAD LOAD
B. FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS:
1/8" DEAD LOAD

ABSOLUTE DEAD LOAD DEFLECTION OF FLOOR
TRUSSES/ATTIC TRUSSES WHEN ADJACENT TO FLOOR
FRAMING BY OTHERS SHALL BE LIMITED TO 3/16". (NOT
DIFFERENTIAL DEFLECTION)

GENERAL STRUCTURAL NOTES

FOUNDATION

• DESIGN IS BASED ON 2018 NORTH CAROLINA RESIDENTIAL CODE.

• FOOTING DESIGN - 1500 PSF NET ALLOWABLE SOIL BEARING
PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.

• FASTEN 2x SILL PLATES TO CONC. FND WITH A MINIMUM OF 2
ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:
• 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C.; 1" MIN. EMBEDMENT
• SIMPSON MAB STRAPS @ 32" O.C.
• SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C.

• ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ PERIMETER
FOUNDATION SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2.

• BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF
HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED
WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.

• FOUNDATION WALLS & FOOTINGS SHALL BE PLAIN CONCRETE, U.N.O.

• CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN
THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
f'c = 4,000 psi: FOUNDATION WALLS
3,000 psi: FOOTINGS & INTERIOR SLABS ON GRADE
3,500 psi: GARAGE & EXTERIOR SLABS ON GRADE
fy = 60,000 psi

• BASEMENT FOUNDATION WALL DESIGN BASED ON:

- 8' OR 9' HEIGHT (AS NOTED ON PLANS)
- TALLER WALLS MUST BE ENGINEERED.
- NOMINAL WIDTH (8" FOR 8' WALL, 10" FOR 10' WALL).

• BASEMENT WALL DESIGN IS BASED ON 30 OR 45 PCF BACKFILL
SOIL TYPE CLASSIFICATIONS:

- 30 PCF TYPE (GM, GP, SM, SP)
- 45 PCF TYPE (GM, GC, SM, SM-SG, ML)
- IMPORTANT - IF 60 PCF SOIL TYPE (SC, ML-CL, OR CL) IS
UTILIZED FOR BACKFILL, CONTACT MULHERN & KULP FOR
FURTHER EVALUATION OF FOUNDATION DESIGN.

• BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY
ADEQUATE TEMPORARY BRACING OR INSTALL 1st FLOOR DECK.

• PROVIDE (2) #5 BARS AROUND ALL SIDES OF OPENINGS IN
CONCRETE BSMT. FND. WALL WITH 2" CLEAR. REINFORCEMENT
SHALL EXTEND 12" PAST CORNER OF OPENING IN ALL DIRECTIONS.

- FOR OPENINGS UP TO 36", PROVIDE MINIMUM 10" CONCRETE
DEPTH OVER OPENING OR (3)2x10 w/(2)2x6 JACK STUDS, U.N.O.
- LARGER OPENINGS SHALL BE PER PLAN.

• ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS
THAN 5% OR MORE THAN 7% AIR ENTRAINMENT.

• ALL FOOTINGS SHALL BEAR BELOW FROST LINE (TYP.) OR 12" MIN IN
REGIONS WHERE CODE FROST DEPTH IS NOT APPLICABLE. CONSULT
SOILS REPORT OR BUILDING DEPT. FOR MINIMUM DEPTH BELOW
GRADE.

• FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR
95% COMPACTED FILL.

• PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB
EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY
TO DEVELOP.

- JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR
15'-0" O.C. (MAXIMUM)
- JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS
POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO
- CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL
SLABS

• TYPICAL REINFORCEMENT DETAILS: PROVIDE 3" MIN. CLEAR
COVER WHERE CAST AGAINST EARTH, 1 1/2" MIN. CLEAR COVER
AGAINST FORMS. LAP ALL REBAR 48 BAR DIAMETERS MIN. (24"
FOR #4 BARS) & BEND BARS AND LAP AT CORNERS. PROVIDE 6"
HOOK INTO SUPPORTING FOOTINGS WHEN FOOTINGS INTERSECT.

• DIMENSIONS BY OTHERS, BUILDER TO VERIFY.

MKK STD. - MAY 2012

LATERAL/WALL BRACING & WALL
SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST

LATERAL FORCES RESULTING FROM:

120 MPH WIND IN 2018 NCSCBC

(120 MPH WIND SPEED IN ASCE 7-10
WIND MAP, PER IRC R301.2.1.1)
EXP. B & SEISMIC CAT. A/B.

EXT. WALL SHEATHING SPECIFICATION

• 7/16" OSB OR 15/32" PLYWOOD:

FASTEN SHEATHING w/ 2 3/8"x0.113 NAILS @ 6" O.C. AT
EDGES & @ 12" O.C. IN THE PANEL FIELD. (TYP. U.N.O.)

• ALL SHEATHING PANELS SHALL BE ORIENTED
VERTICALLY (LONG DIRECTION PARALLEL TO STUDS)
AND INSTALLED FULL HEIGHT OF SHEAR WALL - OR -
2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO
SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE
FASTENING.

• ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED
AND ARE CONSIDERED SHEAR WALLS.

• ALT. STAPLE CONNECTION SPEC: 1 3/4" 16 GA STAPLES
(1/8" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

3" O.C. EDGE NAILING

• AT DESIGNATED AREAS - FASTEN PANEL EDGES OF
WOOD STRUCTURAL WALL SHEATHING TO FRAMING w/
2 3/8" x 0.113" NAILS @ 3" O.C. AND 12" O.C. IN THE
PANEL FIELD NO STAPLE ALTERNATIVE AVAILABLE
AT THIS SPEC. ALL SHEATHING PANELS SHALL BE
ORIENTED VERTICALLY (LONG DIRECTION PARALLEL
TO STUD) AND INSTALLED FULL HEIGHT OF SHEAR
WALL - OR - 2x HORIZONTAL BLOCKING SHALL BE
PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES
AND 3" O.C. EDGE FASTENING.

NOTES

• SEE CONNECTION SPECIFICATIONS CHART FOR
STANDARD SHEAR TRANSFER DETAILING. IF
ADDITIONAL CAPACITY IS REQUIRED BY DESIGN,
IT WILL BE SPECIFICALLY NOTED ON PLAN.

• DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, U.N.O.

• ALL STRUCTURAL PANELS ARE TO BE DIRECTLY
APPLIED TO STUD FRAMING.

• PRE-MANUFACTURED PANELIZED WALLS:
FASTEN TOGETHER END STUDS OF WALL PANELS
SHEATHED w/ OSB OR PLYWOOD w/ 10d NAILS
@ 4" O.C. (THRU ONE SIDE ONLY)

INDICATES HOLDDOWN

INDICATES POST ABOVE (P.A.) PROVIDE
SOLID BLOCKING UNDER POST OR JAMB
ABOVE.

MKK STD. - SEPT. 2018

GENERAL STRUCTURAL NOTES

FLOOR FRAMING

• I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR
EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES
STONE/MARBLE OR NET BED CONSTRUCTED FLOORS - CONTACT
MKK FOR EXCLUDED FLOOR DESIGNS)

• PER THE GUIDELINES OF THE TILE COUNCIL OF NORTH AMERICA
(TCNA HANDBOOK), IT SHALL BE THE FLOOR FINISH INSTALLER'S
RESPONSIBILITY TO VERIFY THAT THE FINISHES TO BE INSTALLED
MATCH THE DESIGN CRITERIA NOTED ABOVE (UNDER "DESIGN
LOADS").

• AT I-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD.

• METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O.

• FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED "STURD-I-FLOOR"
24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND
GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND
- 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.
- 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
- 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. IN FIELD.

ROOF FRAMING

• ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16
EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS
- w/ 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.
- w/ 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
- w/ 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. FIELD.

• WITHIN 48" OF ALL ROOF EDGES, RIDGES, & HIPS FASTEN ROOF
SHEATHING FIELDS PER EDGE NAILING SPEC.

• FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H2.5A CLIP
(OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.5A
CLIPS AT 2-PLY GIRDER TRUSSES, (3) H2.5A CLIPS AT 3-PLY
GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.

• METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.

• ERECT AND INSTALL ROOF TRUSSES PER WTCA & TP1'S BC51 I
"GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING
OF METAL PLATE CONNECTED WOOD TRUSSES."

• SUPPORT SHORT SPAN ROOF TRUSSES w/2x4 LEDGER FASTENED TO
FRAMING w/(2) 3" x 0.120" NAILS @ 16" O.C. (UP TO 7' SPAN).

MKK STD. - MAR 2016



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING

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GENERAL STRUCTURAL NOTES

• DESIGN IS BASED ON 2018 NORTH CAROLINA RESIDENTIAL CODE.

• WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN
SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.

• DESIGN LOADS:

ROOF LIVE = 20 PSF (18 PSF REDUCED)
DEAD = 7 PSF T.C., 10 PSF B.C.
LOAD DURATION FACTOR = 1.15

FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS)
DEAD = 10 PSF (1-JOISTS & SOLID SAWN)
ADD'L 10 PSF @ CERAMIC TILE IN KITCHEN,
BATHS, SUNROOM, & LAUND.

SOIL 1,500 PSF ASSUMED ALLOWABLE BEARING PRESSURE
(TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

• ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD
CONNECTIONS TABLE (IRC TABLE R602.3.1)) OR ON PLANS. ALL
NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR
CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER
MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY.
NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL
FRAMING GUN NAILS.

• EXT. & INT. BEARING WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON
PLANS) @ 16" O.C. SFF "STUD" GRADE LUMBER, OR BETTER, U.N.O.
• WALLS OVER 10' TALL SHALL BE PER PLAN.

• ALL INTERIOR BEARING WALLS ARE ASSUMED TO BE SHEATHED W/
GYP WALL BOARD (ONE SIDE MIN) OR PROVIDE MID HT. BLOCKING.

• ALL 2x8, 2x10, & 2x12 HEADERS, BEAMS & OTHER STRUCTURAL
MEMBERS SHALL BE S.Y.P. #2 LUMBER, OR BETTER.

• ALL 2x8, 2x10, & 2x12 HEADERS, BEAMS & OTHER STRUCTURAL
MEMBERS SHALL BE SFF "STUD" GRADE LUMBER, OR BETTER.
• SUPPORT ALL HEADERS/ BEAMS W/ (1)2x JACK STUD & (1)2x KING
STUD, MINIMUM.
- THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE
NUMBER OF JACK STUDS REQUIRED, U.N.O..

• ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED
WITH 2x "STUD" GRADE MEMBERS SPACED @ 24" O.C. (MAX, U.N.O.)
• HEADERS IN NON-LOAD BEARING WALLS SHALL BE:
(1)2x4/6 FLAT @ OPENINGS UP TO 4'; (2)2x4/6 FLAT UP TO 8'.

• ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).

• ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING:
• "LSL" - Fb=2325 psi; Fv=310 psi; E=1.55x10⁶ psi
• "LVL" - Fb=2600 psi; Fv=285 psi; E=2.0x10⁶ psi

• ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:
• "LVL" - Fb=2400 psi; Fc=1=2500 psi; E=1.8x10⁶ psi

• FOR 2 & 3 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES
TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS
1/4"x3/8" SIMPSON SDS SCREWS (OR 3/8" TRUSSLOK SCREWS) @ 16"
O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR
GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY
CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE.
SOLID 3 1/2" OR 5 1/4" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF
NAILS FOR 2x6 & 2x8 MEMBERS.

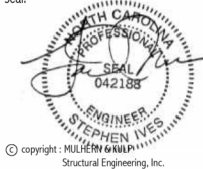
• FOR 4 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES
TOGETHER WITH 3 ROWS OF 1/4"x6" SIMPSON SDS SCREWS (OR 6 3/4"
TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR
BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH
FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND
BOTTOM SCREWS 2" FROM EDGE. A SOLID 7" BEAM IS ACCEPTABLE.

• PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS
CONTINUOUS TO FND/BEARING. BLOCKING TO MATCH POST ABOVE.

• FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS WITH
P.A.F.'s (HILTI) XU PINS OR EQUAL) @ 16" O.C. STAGGERED,
OR 1/2" DIA. BOLTS @ 48" O.C. STAGGERED.

• STEEL PIPE COLUMN "ASD CAPACITIES" SHALL MEET OR EXCEED
THE LOADS PROVIDED AT EACH STEEL PIPE COLUMN LOCATION ON
PLAN. COLUMNS ARE TO BE INSTALLED PER THE MANUFACTURER'S
REQUIREMENT THAT ACHIEVES THE RATED CAPACITY USED,
INCLUDING BUT NOT LIMITED TO POSITIVE CONNECTIONS AT THE TOP
AND BOTTOM OF THE COLUMN. TWO COLUMNS MAY BE USED UNDER
CONTINUOUS BEAMS TO ACHIEVE THE FULL PLAN SPECIFIED
REQUIRED CAPACITY IF INSTALLED CENTERED ON THE EXISTING
FOOTING/ PLAN SPECIFIED SINGLE COLUMN LOCATION.

seal:



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Structural Engineering, Inc.



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project mgr:

BSM

drawn by:

CNV

issue date:

01-22-24

REVISIONS:

date:

initial:

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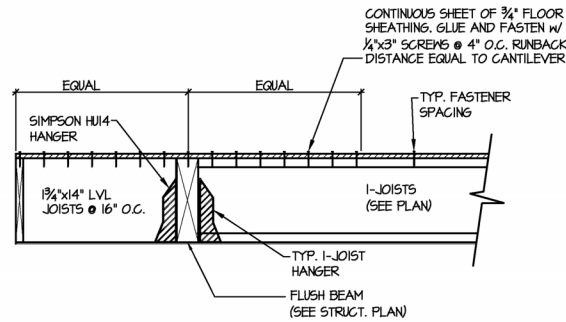
STRUCTURAL NOTES

CHANLEY MODEL

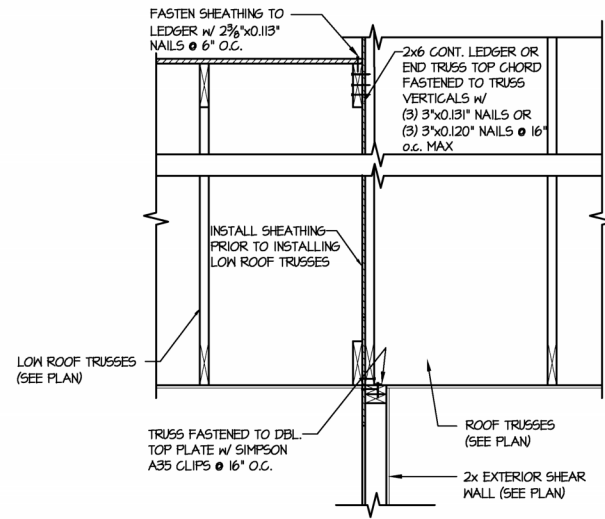
RALEIGH, NC

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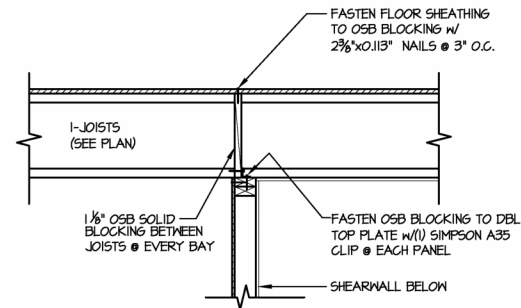
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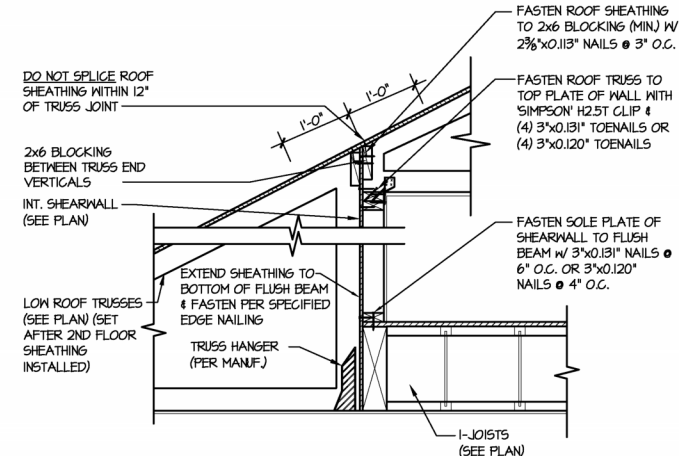
4 FLUSH CANTILEVER BALCONY DETAIL
SCALE: 3/4"=1'-0"



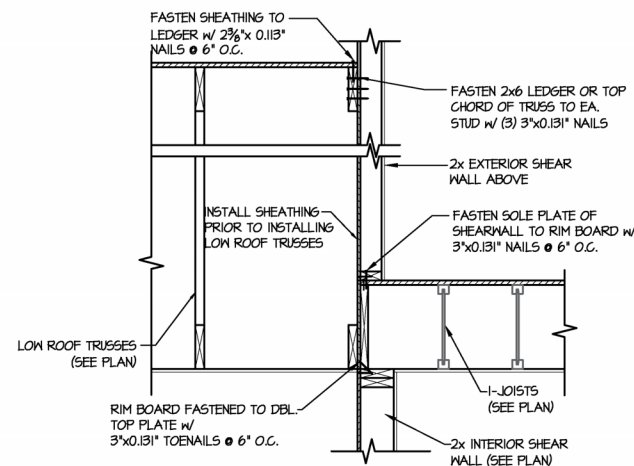
16 TYPICAL SHEAR TRANSFER DETAIL @ COVERED/SCREENED PORCH
SCALE: 3/4"=1'-0"



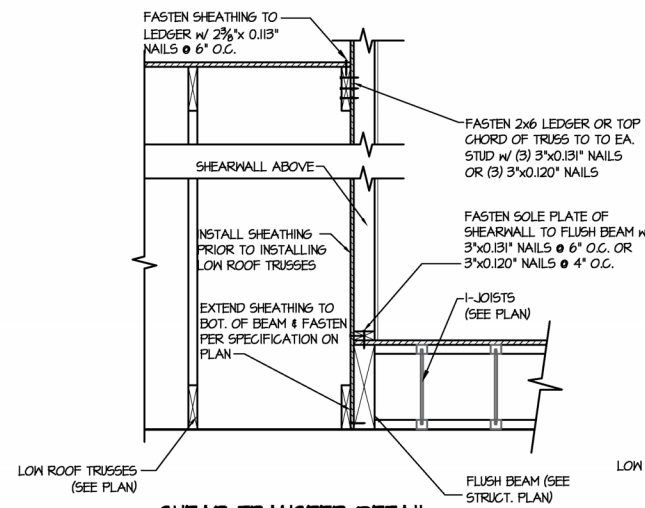
32 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0" 3/8"=1'-0" (1b7f) PERPENDICULAR FRAMING



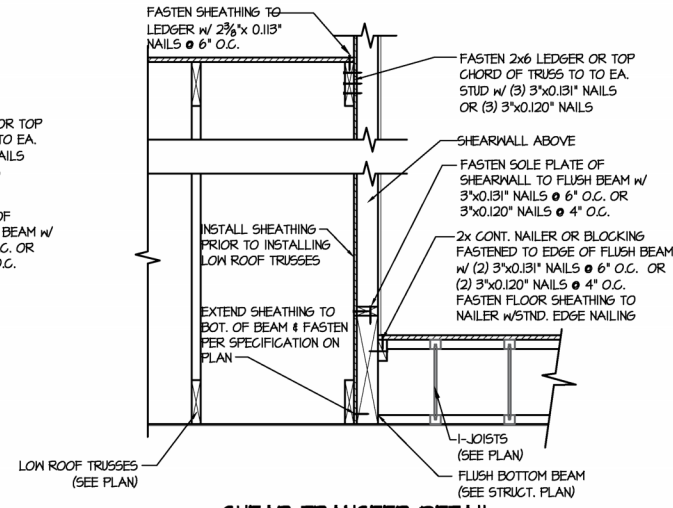
62 SHEAR TRANSFER DETAIL AT INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0" 3/8"=1'-0" (1b7f)



66 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0" 3/8"=1'-0" (1b7f)



68 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0" 3/8"=1'-0" (1b7f)



69 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0" 3/8"=1'-0" (1b7f)

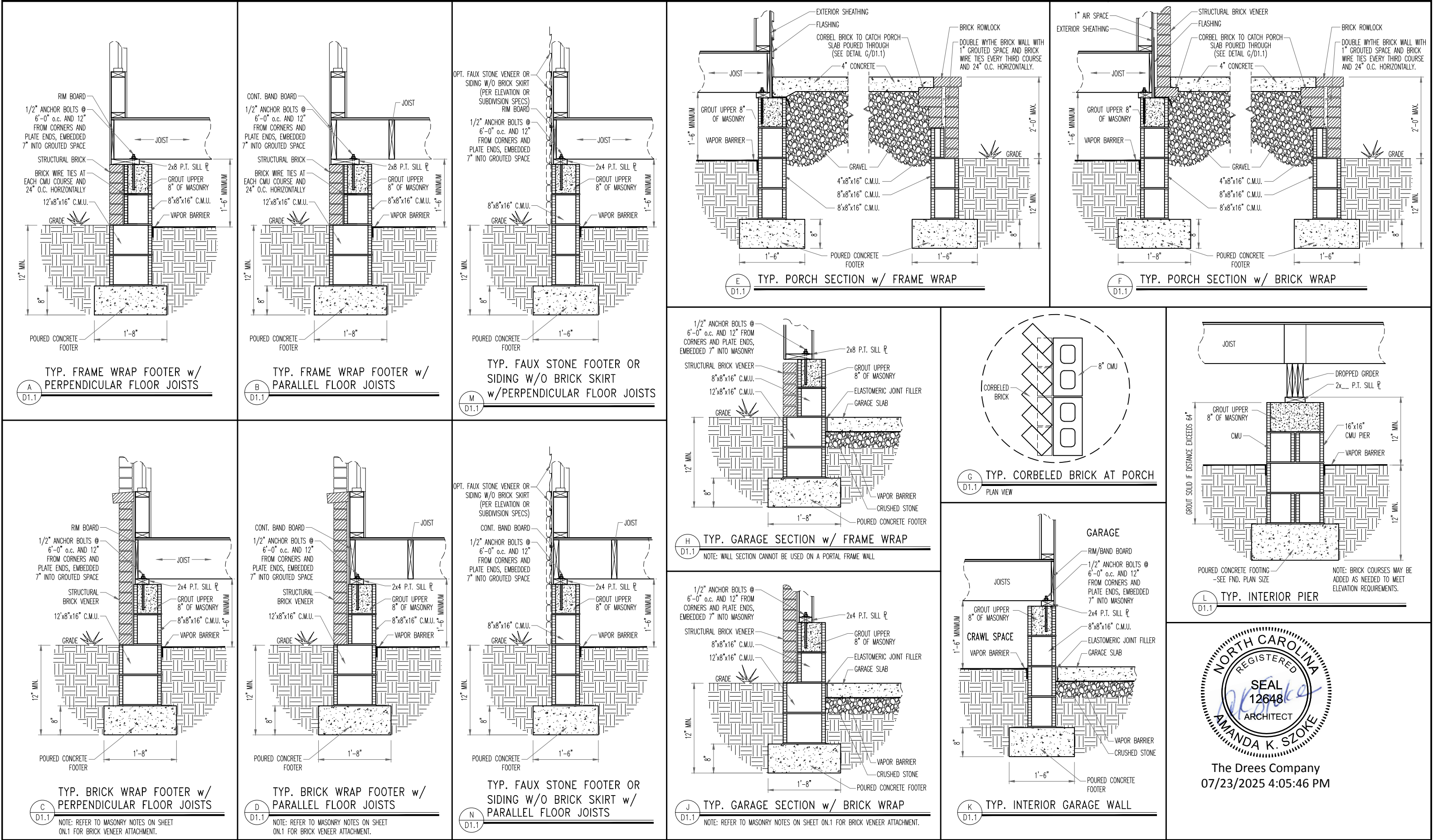


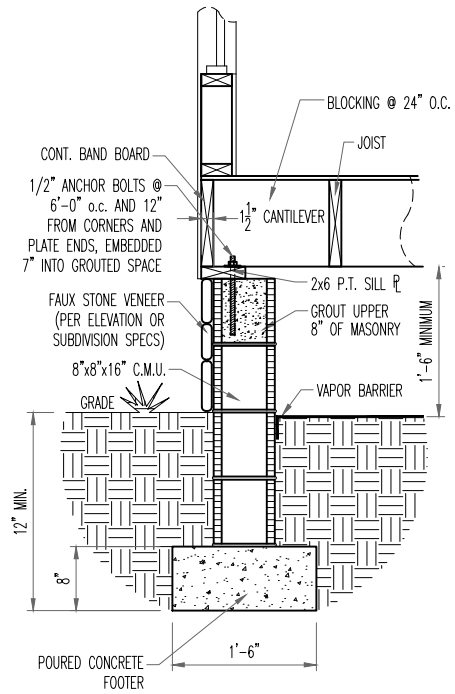
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085-24001
project mgr: BSM
drawn by: CNV
issue date: 01-22-24

REVISIONS:	
date:	initial:



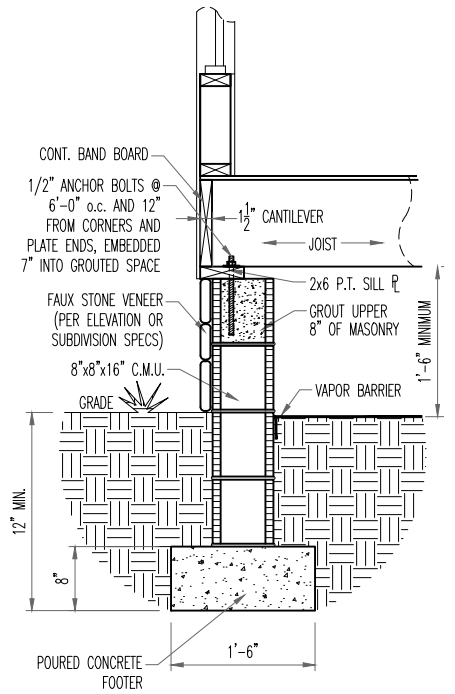
STRUCTURAL NOTES
CHANLEY MODEL
RALEIGH, NC





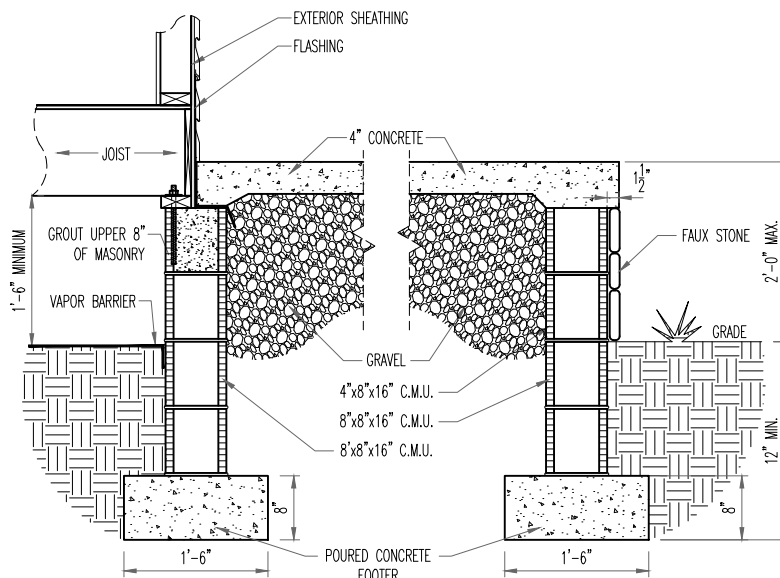
TYP. FAUX STONE SKIRT FOOTER w/
PARALLEL FLOOR JOISTS

A
D1.2



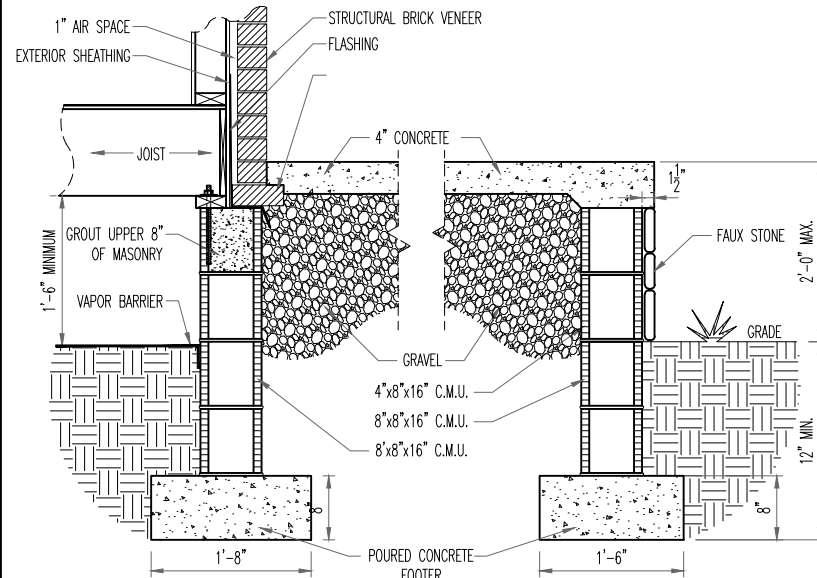
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PERPENDICULAR FLOOR JOISTS

B
D1.2



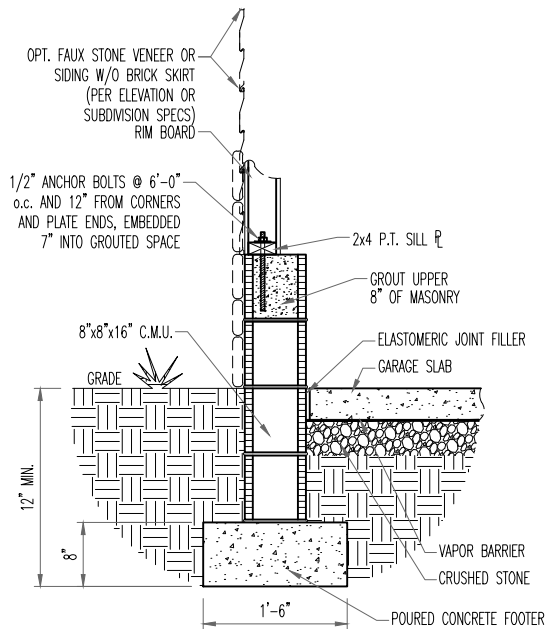
TYP. FAUX STONE SKIRT
TYP. PORCH SECTION w/ FRAME WRAP

C
D1.2



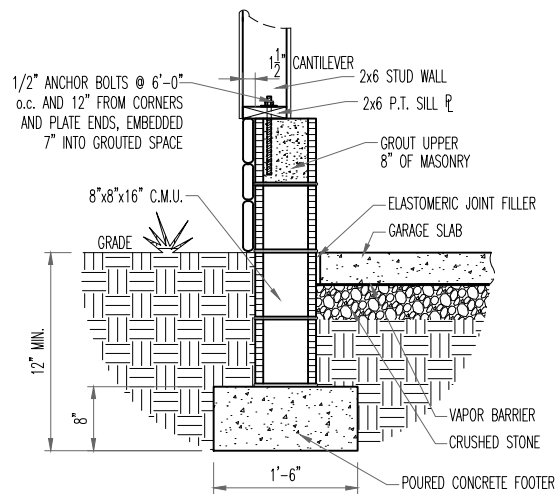
TYP. FAUX STONE SKIRT
TYP. PORCH SECTION w/ BRICK WRAP

D
D1.2



TYP. FAUX STONE FOOTER OR SIDING w/o
BRICK SKIRT
TYP. GARAGE SECTION w/ FRAME WRAP

E
D1.2



TYP. FAUX STONE SKIRT
TYP. GARAGE SECTION w/ FRAME WRAP

F
D1.2

NOTE: WALL SECTION CANNOT BE USED ON A PORTAL FRAME WALL



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STD. DETAIL SHEET

REGION:

RALEIGH

Std. By: ALL

Chk. By: ARC

Std. Date: 08/19/09

Date of

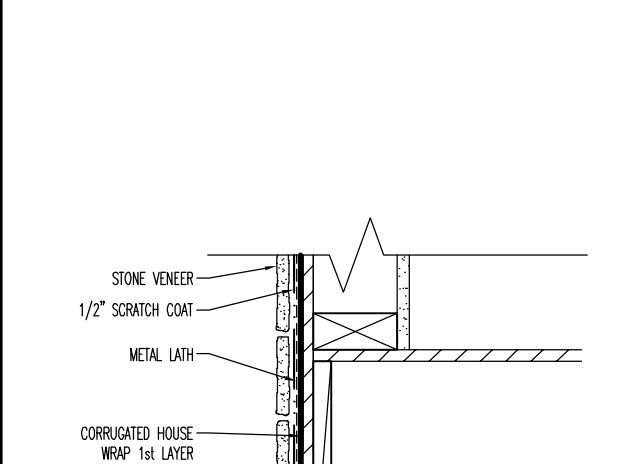
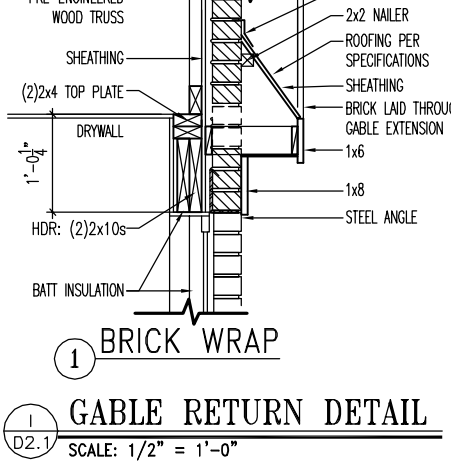
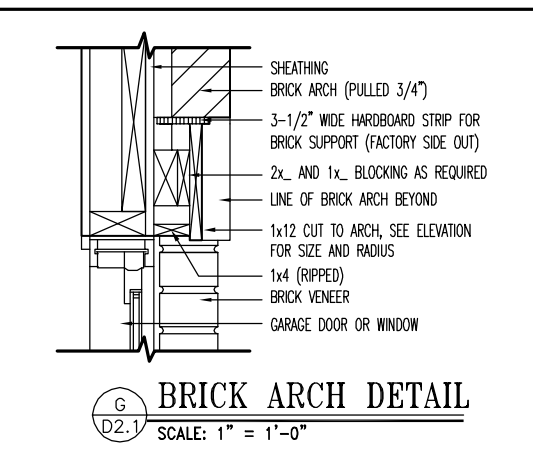
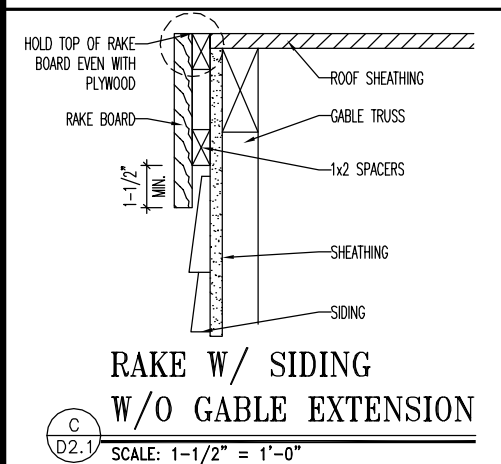
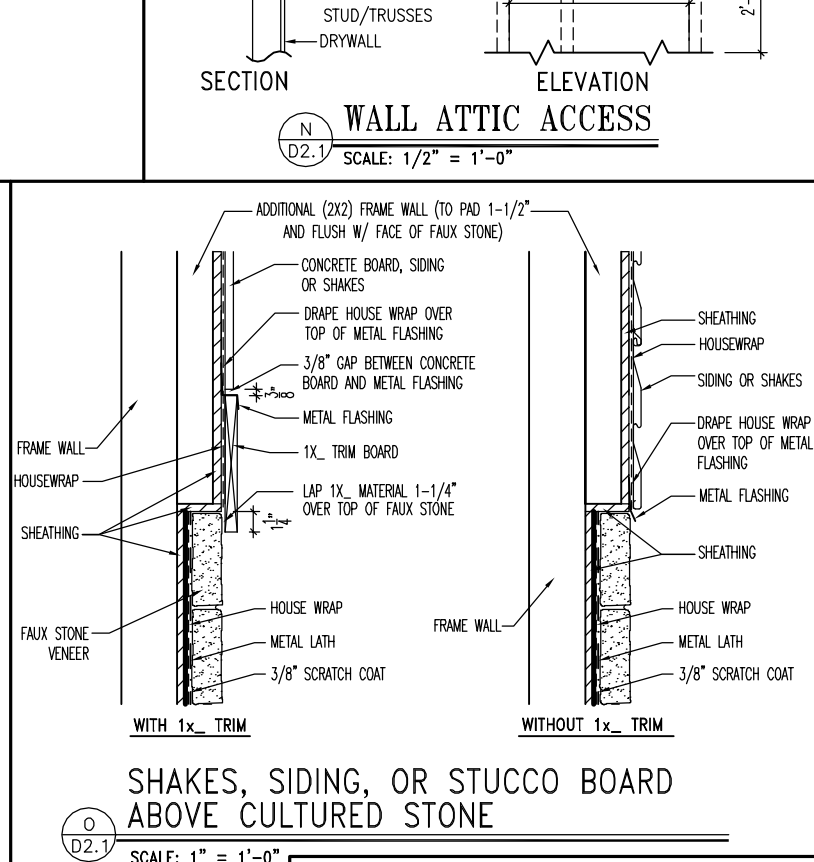
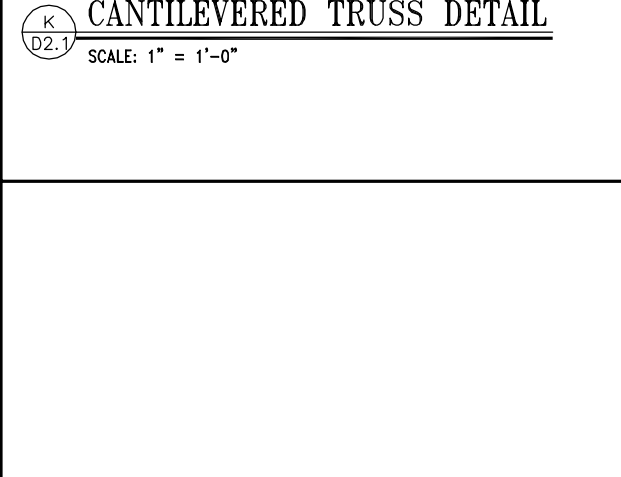
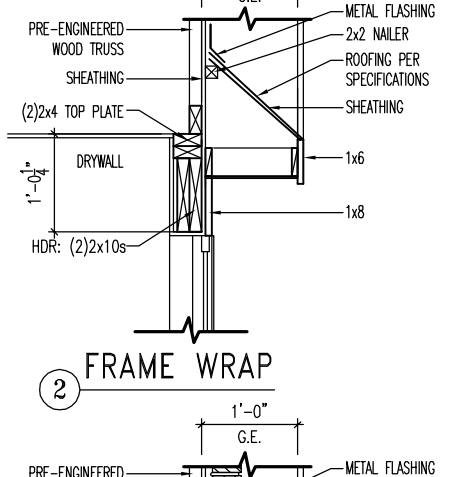
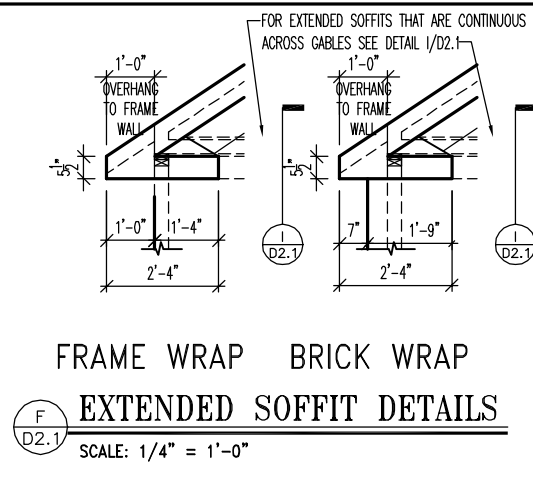
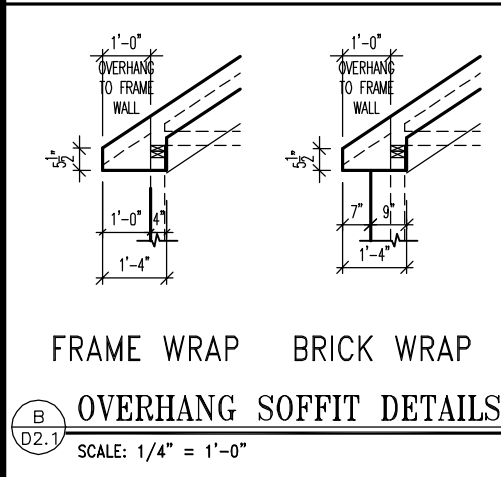
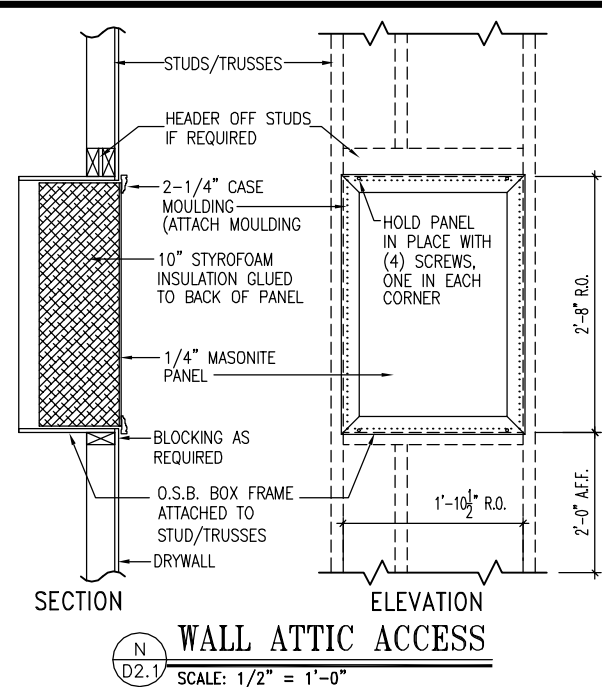
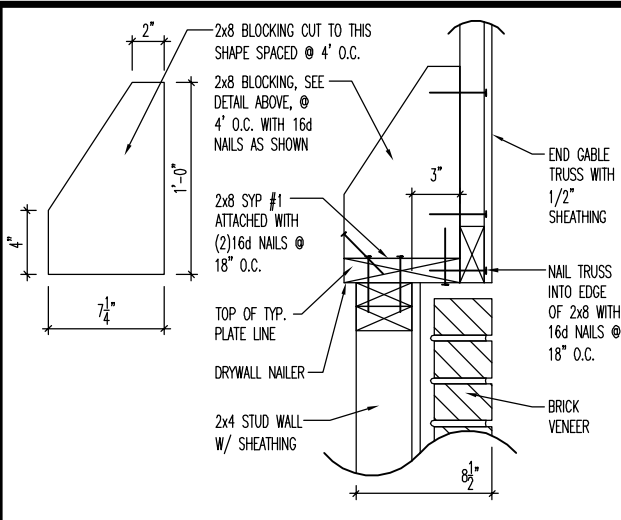
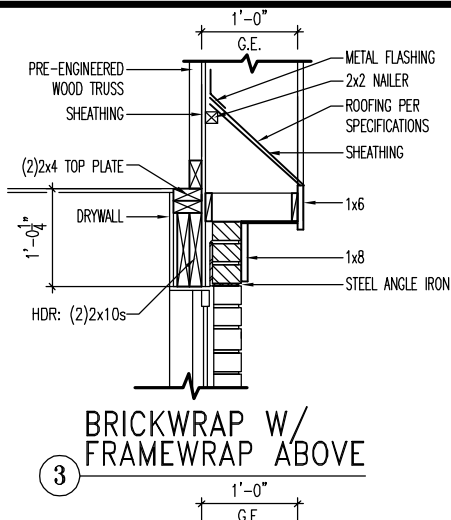
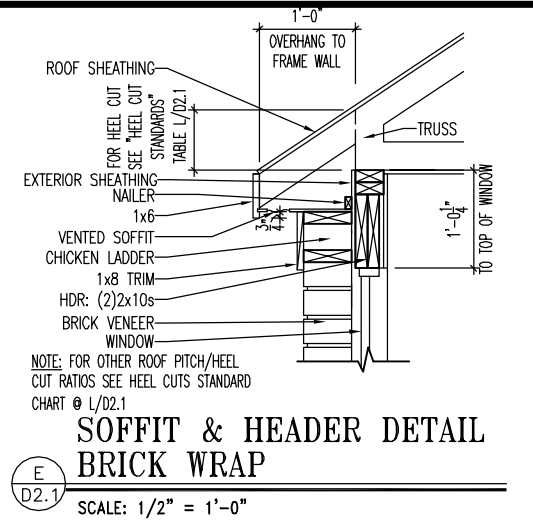
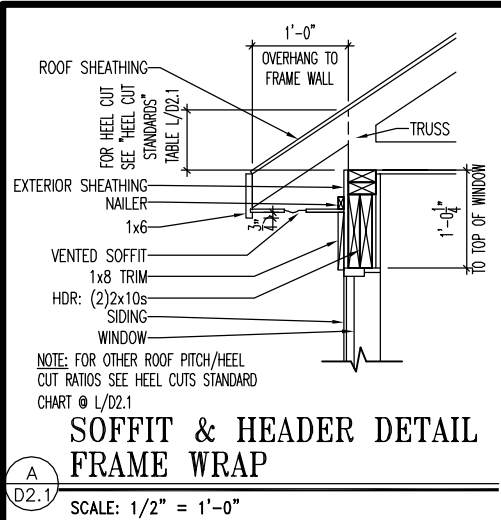
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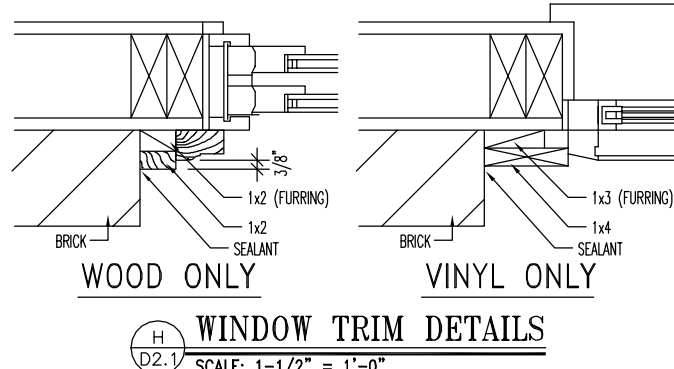
RALEIGH - D-SHEETS.dwg Sep 24, 2015 - 12:14pm

Sheet No.

D1.2



HEEL CUT STANDARDS	
ROOF PITCH	HEEL CUT
4/12	3-3/4"
5/12	4-3/4"
6/12	5-3/4"
7/12	6-3/4"
8/12	7-3/4"
9/12	8-3/4"
10/12	9-3/4"
12/12	11-3/4"
14/12	1'1-3/4"



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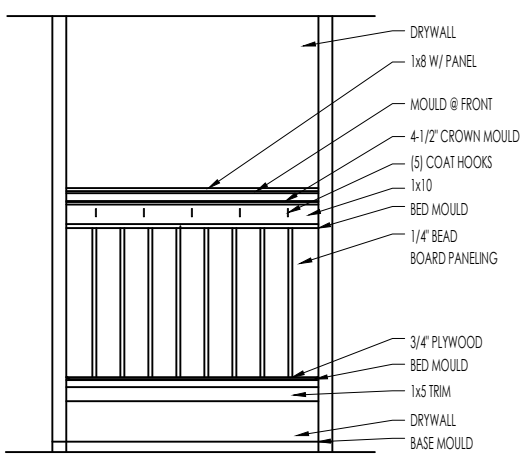
STD. DETAIL SHEET
REGION:
RALEIGH

Std. By: ALL
Chk. By: ARC
Std. Date: 10.11.06
Last Rev: 4/5/10 MSM

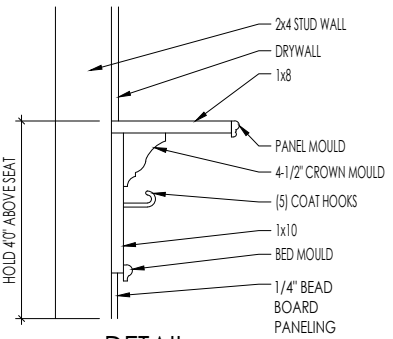
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FRAMING DETAILS

DETAILS MAY NOT APPLY TO CONTRACT

Sheet No.
D2.1

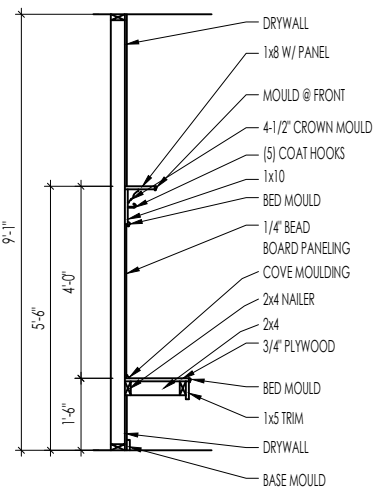


ELEVATION

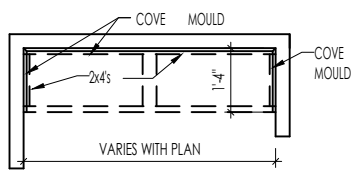


DETAIL

SCALE: 1/2" = 1'-0"



SECTION



PLAN

F
D2.2

BENCH SEAT DETAILS

SCALE: AS NOTED



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07/23/2025 4:05:46 PM



STANDARD FRAMING DETAILS
RALEIGH DIVISION
SCALE: AS NOTED

SHEET NO.

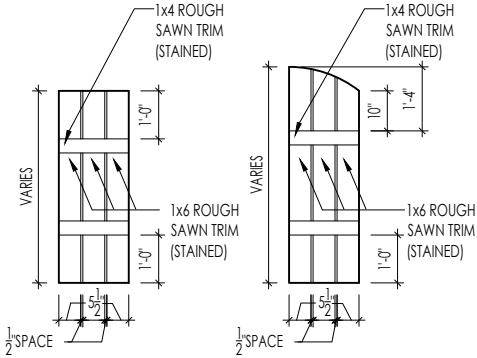
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DATE OF DETAIL: 01/27/15

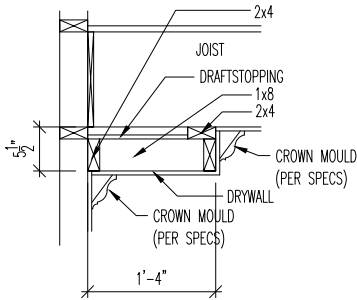
LAST REVISION:

Jan 10, 2023 - 1:47pm

D2.2



M
D2.4
SLAT SHUTTER DETAIL
SCALE: 1/4" = 1'-0"



H
D2.4
SINGLE TRAY CEILING DETAIL
SCALE: 1/2" = 1'-0"



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07/23/2025 4:05:46 PM

STANDARD FRAMING DETAILS
RALEIGH DIVISION
SCALE: AS NOTED



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DRAWN BY: ARCH

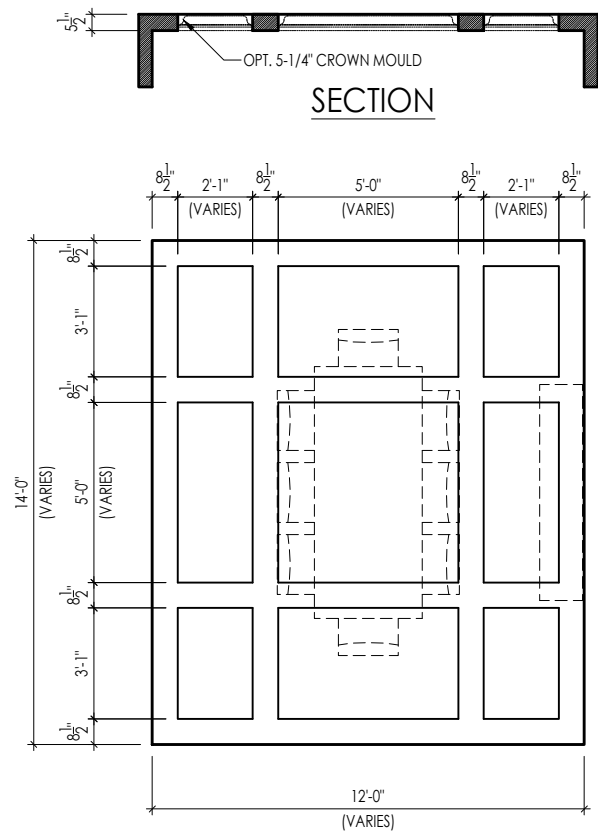
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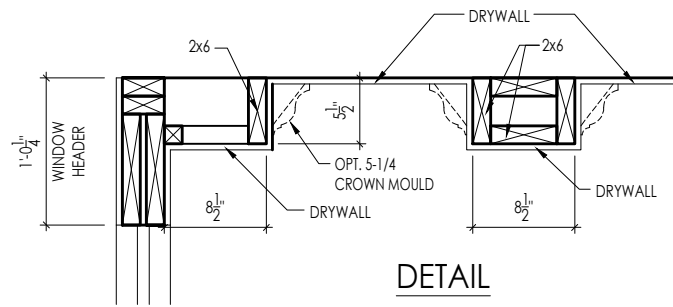
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SHEET NO.

D2.4



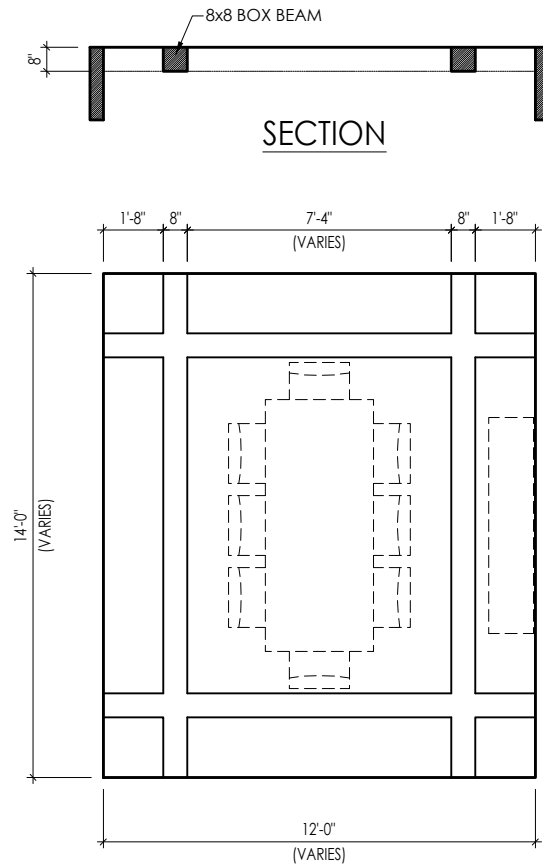
TYPICAL PLAN



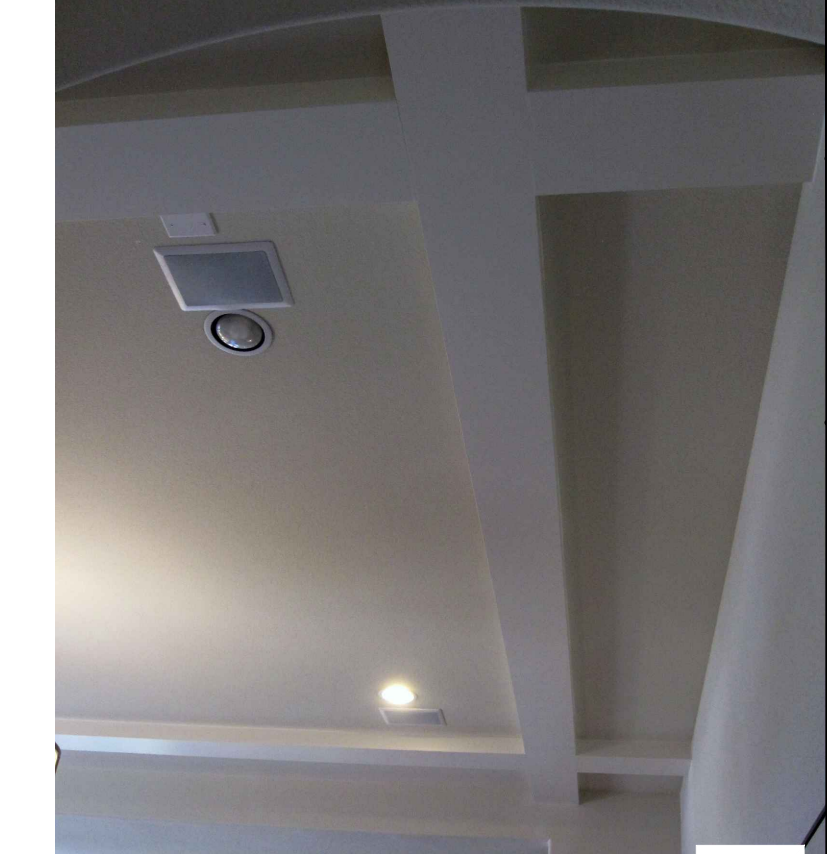
DETAIL

Note: Ceiling treatment details will tray down into space on enclosed rooms located on the 1st floor. On enclosed rooms on the 2nd floor, the ceiling treatment will tray up into the roof truss system. On 2-story spaces, the ceiling treatment will tray down into the space and require an appropriate sized header to capture the ceiling detail return.

01

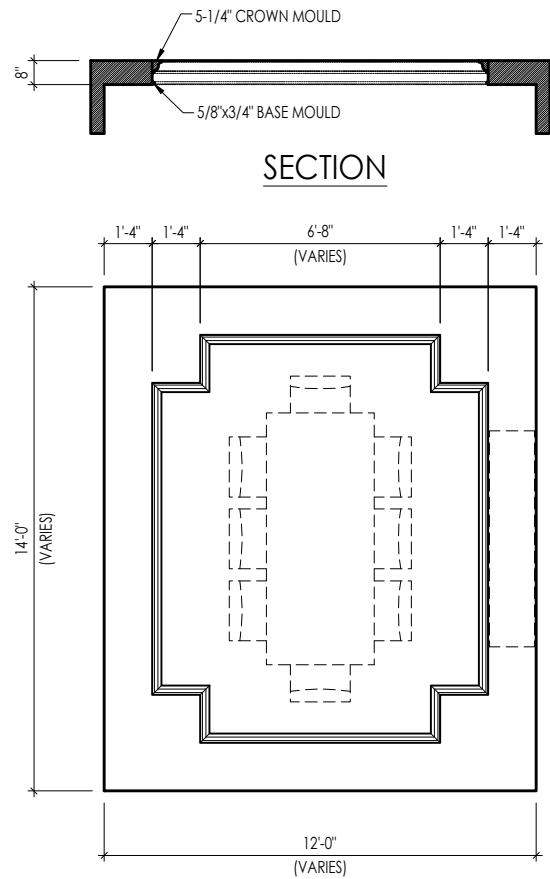


TYPICAL PLAN



Note: Ceiling treatment details will tray down into space on enclosed rooms located on the 1st floor. On enclosed rooms on the 2nd floor, the ceiling treatment will tray up into the roof truss system. On 2-story spaces, the ceiling treatment will tray down into the space and require an appropriate sized header to capture the ceiling detail return.

05

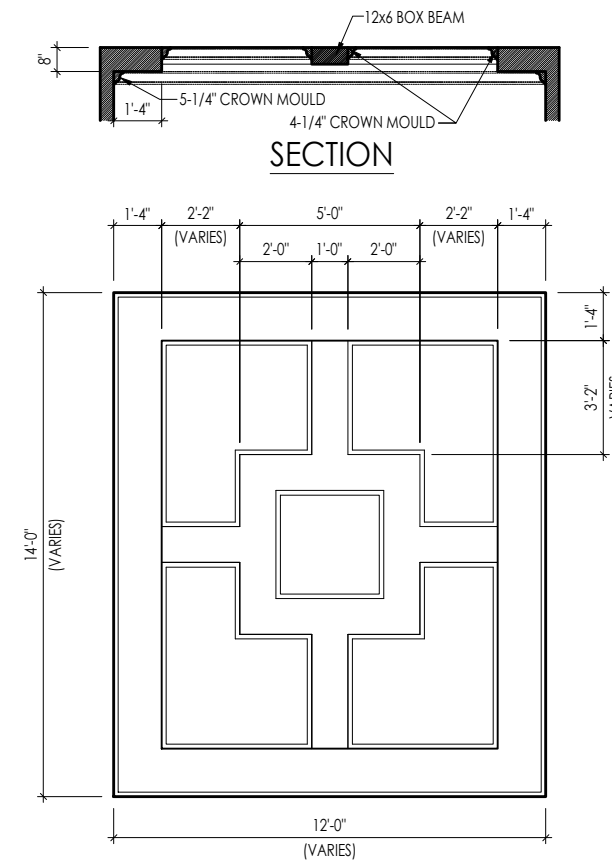


TYPICAL PLAN

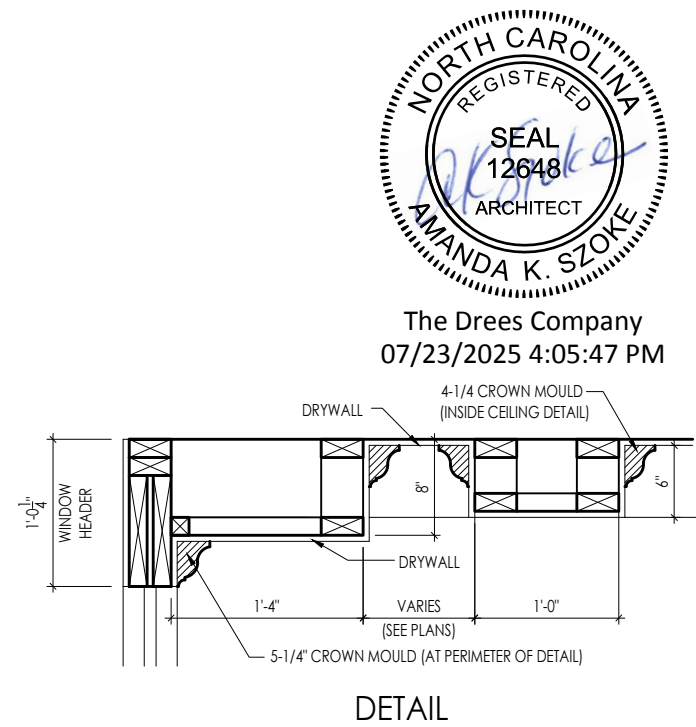


Note: Ceiling treatment details will tray down into space on enclosed rooms located on the 1st floor. On enclosed rooms on the 2nd floor, the ceiling treatment will tray up into the roof truss system. On 2-story spaces, the ceiling treatment will tray down into the space and require an appropriate sized header to capture the ceiling detail return.

04



TYPICAL PLAN



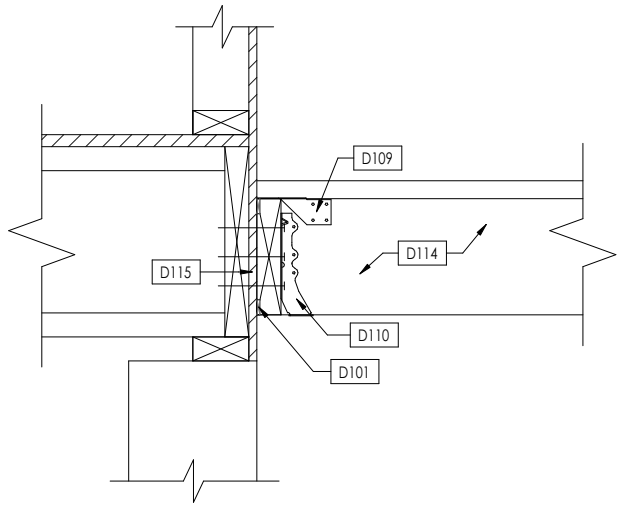
Note: Ceiling treatment details will tray down into space on enclosed rooms located on the 1st floor. On enclosed rooms on the 2nd floor, the ceiling treatment will tray up into the roof truss system. On 2-story spaces, the ceiling treatment will tray down into the space and require an appropriate sized header to capture the ceiling detail return.

15

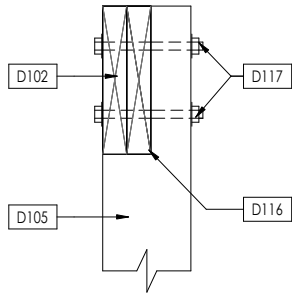


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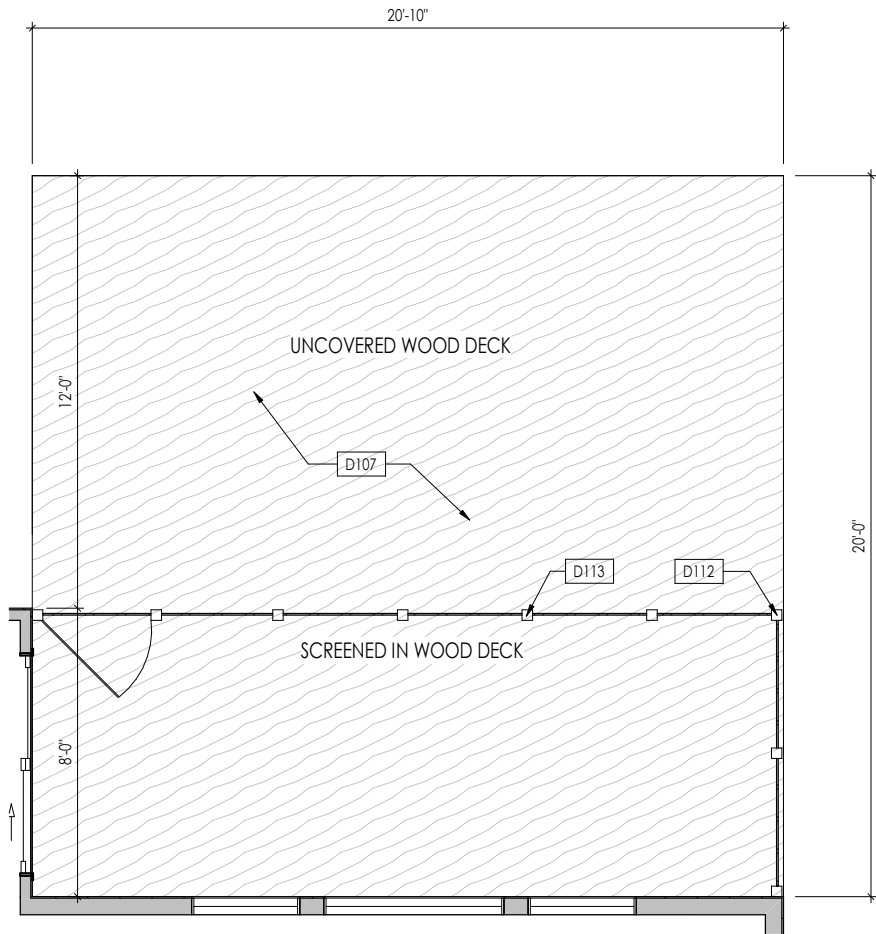
CEILING TREATMENTS
SCALE: AS NOTED



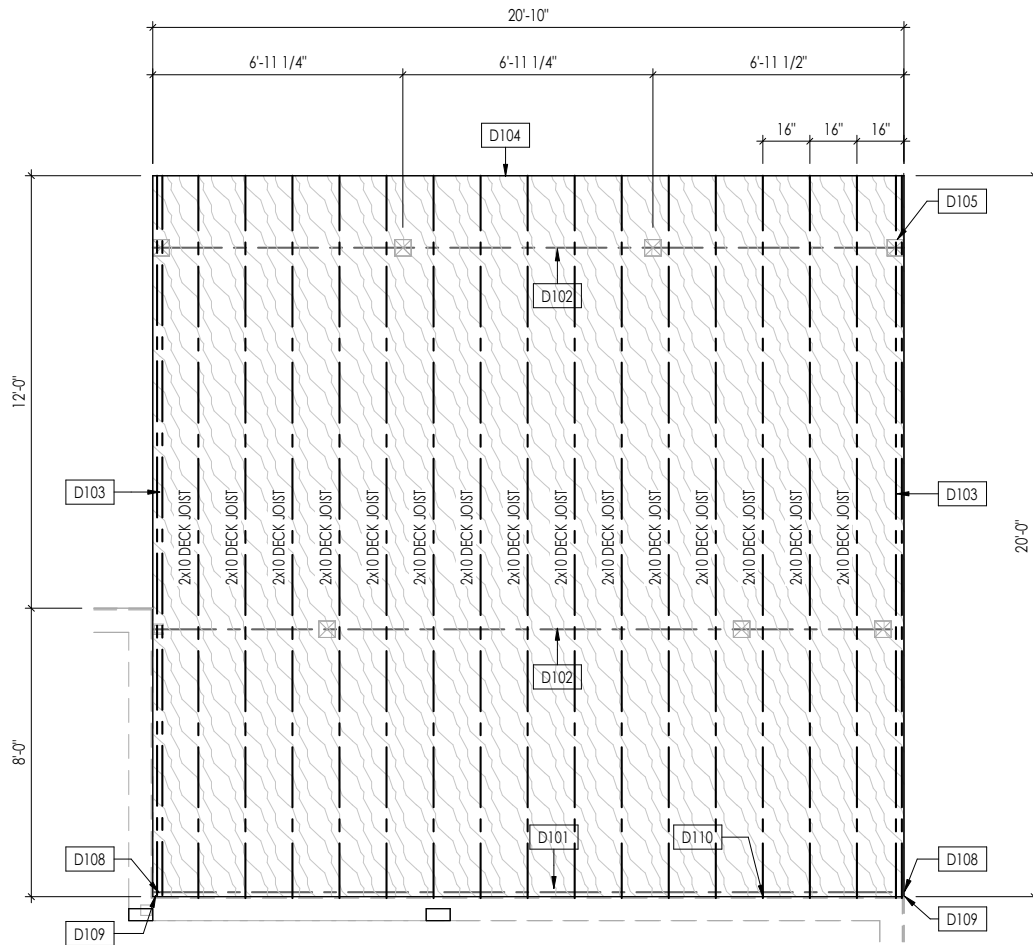
C Deck Ledger Connection to the House Detail
D7.1 1" = 1'-0"



D Connection of 6x6 Post to Deck Support Beam
D7.1 1" = 1'-0"



A Deck Plan Layout
D7.1 3/16" = 1'-0"



B Deck Joist Layout
D7.1 3/16" = 1'-0"

General Notes:

1. REFER TO SHEET ON.1 FOR GENERAL NOTES.
2. SEE SHEET 4.01 FOR DECK LOCATION. FIELD DETERMINE LOCATION & NUMBER OF STAIRS.
3. ALL DECK JOISTS AND BEAMS TO BE SYP#2 PRESSURE TREATED LUMBER OR BETTER.
4. ALL FASTENERS, HANGERS, AND OTHER CONNECTORS TO BE USED WITH PRESSURE TREATED WOOD ARE TO HAVE ZMAX COATING (OR EQUIVALENT) HOT-DIPPED GALVANIZED OR STAINLESS STEEL.
5. GUARDRAIL & STEPS BY BUILDER.

Key Notes:

D101	REFER TO SHEET 1.01 FOR DECK LEDGER INFORMATION
D102	REFER TO SHEET 1.01 FOR DECK DROPPED BEAM SIZE
D103	DOUBLE DECK JOIST
D104	DECK RIM BOARD
D105	DECK SUPPORT POST BELOW, REFER TO SHEET 1.01 FOR SIZE OF POST AND FOOTING
D107	5/4 DECKING TO RUN DIAGONAL ACROSS DECK JOISTS
D108	SIMPSON LUS210-2Z HANGER AT END DECK JOIST
D109	FASTEN LAST TWO DECK END JOISTS ON EACH SIDE OF DECK TO LEDGER WITH SIMSON H3 TIE.
D110	SIMPSON LU210-Z HANGER AT INTERIOR DECK JOISTS
D112	4x4 PRESSURE TREATED POST W/SIMPSON BCS2-2/4 CAP & ABW44Z BASE, (TYP.)
D113	4x4 PRESSURE TREATED POST OR (2)2x4 POST (LOCATE JOISTS UNDER POST)
D114	DECK JOISTS PER DETAIL A/D7.1
D115	OSB RIM OR BETTER
D116	NOTCH POST TO ACCOMMODATE BEAM. BEAM SHALL BEAR FULLY ON NOTCH.
D117	(2)1/2" DIAMETER THROUGH BOLTS WITH NUT & WASHERS

Space for Architect Seal



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RESIDENCE FOR:

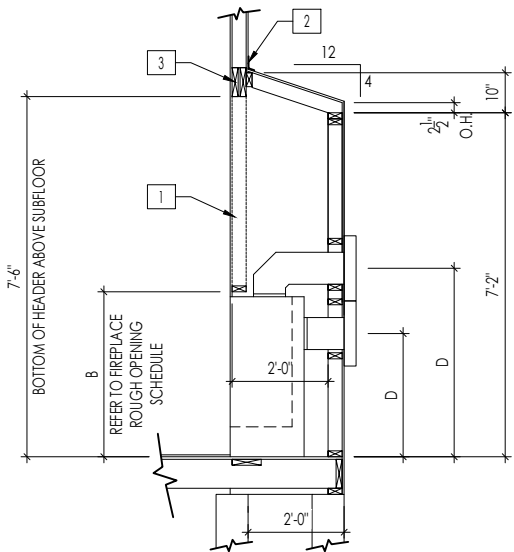
BRENNER
SNEED LANE
RALEIGH ELEVATE

Job Number: RGA-0466-00	Drawing Date: 6/20/25	Coord Name: GREG P.	Coord Phone: (859)578-4355
House Name: the CHANLEY			Contract Drawn By: GLP
Born on Date: 01/18/2024			Series: PREMIER
CDs Drawn By: CLM			Plan No.:

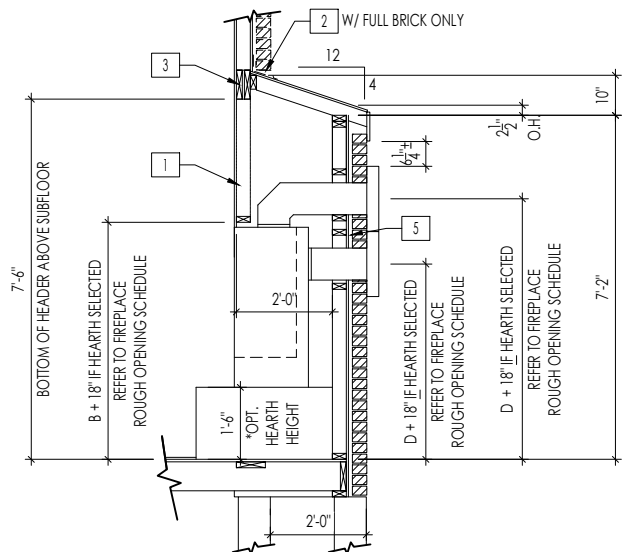
Drees
HOMESSM
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Phone: (919) 844-9288

Sheet Information

D7.1
DECK DETAILS
Elevation "A"



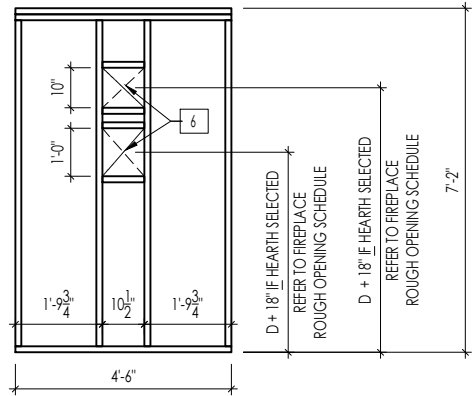
FRAMEWRAP
(SHOWN WITHOUT OPT. HEARTH)



BRICKWRAP
(SHOWN WITH OPT. HEARTH)

FIREPLACE DOGHOUSE SECTIONS

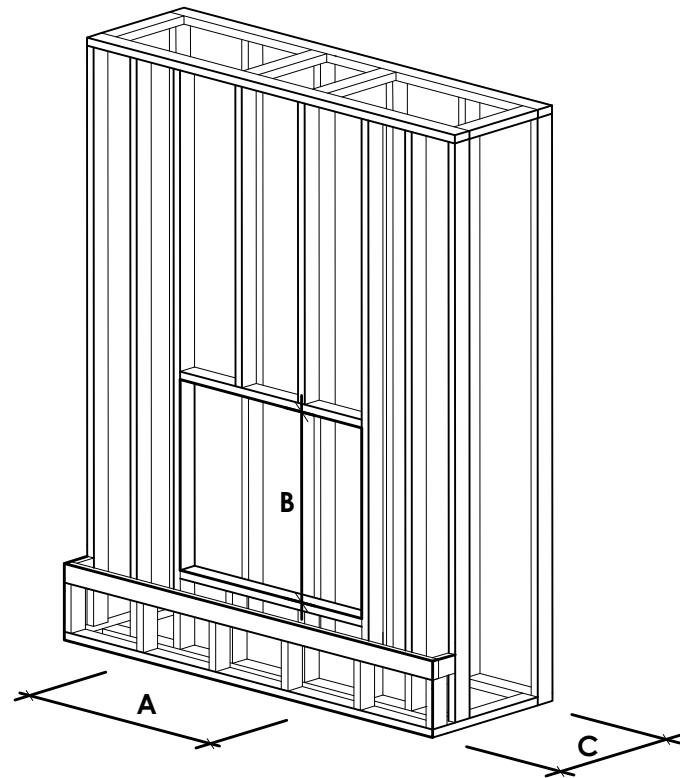
SCALE: 1/4" = 1'-0"



WITH HEARTH

DIRECT VENT REAR WALL FRAMING

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



FIREPLACE ROUGH OPENING SCHEDULE

FIREPLACE MANUFACTURER	MODEL	A	B	C	D
		(FIREBOX REQUIRED WIDTH)	(FIREBOX REQUIRED HEIGHT) *ADD 18" W/ OPT. HEARTH	(FIREBOX REQUIRED DEPTH - INTERIOR REAR WALL TO FRONT EXTERIOR WALL)	(VENT CENTERLINE HEIGHT) *ADD 18" W/ OPT. HEARTH
HEAT & GLO	SLIMLINE SL-7	42"	38-1/4"	16-1/4"	TOP 40" SIDE 26-7/8"
	COSMO 42	49"	32-3/4"	17-3/4"	TOP ONLY 47-1/16"
HEARTH & HOME	COURTYARD 36	43-3/8"	44-1/8"	18-3/8"	SEE MANUFACTURER'S SPEC.
	COURTYARD 42	49-1/4"	44-1/8"	18-1/8"	SEE MANUFACTURER'S SPEC.
	LANAI *(NOT IN CINC/NKY)	57-3/4"	39-1/2"	17-5/8"	SEE MANUFACTURER'S SPEC.
	RAVE	50"	40-1/4"	18-1/4"	TOP ONLY 46-1/2"

all dimensions are in inches

General Notes

- REFER TO SHEET ON.1 FOR GENERAL NOTES.
- VERIFY FIREPLACE MODEL AND HEARTH SELECTION WITH CUSTOMER'S SELECTIONS.

Key Notes

- FUTURE FRAMING FOR F.P. OPENING AFTER INSULATION HAS BEEN INSTALLED IN EXT. WALLS
- FLASHING
- HEADER PER PLAN
-
- 1" AIRSPACE
- BOX OUT FOR FLUE (REFER TO SELECTIONS FOR FIREPLACE AND OPENING HEIGHT)



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FIREPLACE DETAILS

Std. Drawn By: MRPH

Sheet Description:

SCALE: VARIES

FIREPLACE DETAIL

Std. Date: 02.29.20

Date of Last Rev: 7.21.2021

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Sheet No.

F-1

RALEIGH WINDOW SCHEDULE

*** MEETS EMERGENCY ESCAPE & RESCUE
OPENING REQUIREMENTS**

[illegible]

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Sheet Description

WINDOW SCHEDULE

•

Sheet No.

SC-01

LAST REVISED 11/22/17

PILASTERS				
Drees General Callout		Nuwood	Fypon	
FLUTED PILASTER A1	PL7xxF	PIL7Xxx		
FLUTED PILASTER B1	PL9xxF	PIL9Xxx		
FLUTED PILASTER C1	PL11xxFM	PIL11Xxx		
PANEL PILASTER A2	PL7xxP	PIL7XxxDP		
PANEL PILASTER B2	PL9xxP	PIL9XxxDP		
PANEL PILASTER C2	PL11xxPM	PIL11XxxDP		
PILASTER D1	M311-9	PIL10XxxA		
PILASTER D2	M323-9	N/A		
PILASTER Z-E1-PIL	Z-E1-PIL	Z-E1-PIL		
PILASTER Z-E2-PIL	Z-E2-PIL	Z-E2-PIL		
PILASTER Z-E3-PIL	Z-E3-PIL	Z-E3-PIL		
PILASTER Z-PIL-EXT	Z-PIL-EXT	Z-PIL-EXT		
PLAIN PILASTER A3	PL7xxS	PIL7XxxP		
PLAIN PILASTER B3	PL9xxS	PIL9XxxP		
PLAIN PILASTER C3	PL11xxS	PIL11XxxP		
PLINTH D1	PF10	ADD "P" TO END OF PILASTER		
PLINTH D2	P14.5	N/A		
LOUVERS				
Drees General Callout		Nuwood	Fypon	Mid-America
CATHEDRAL LOUVER D1	CLV1224	CLV12X24	--	
CATHEDRAL LOUVER D1T	CLV1224TRIM4	CLV12X24X4F	--	
CATHEDRAL LOUVER D2	CLV1432	CLV14X32	--	
CATHEDRAL LOUVER D2T	CLV1432TRIM4	CLV14X32X4F	00 44 1422	
CATHEDRAL LOUVER D3	CLV2232	CLV22X32	--	
CATHEDRAL LOUVER D3T	CLV2232TRIM4	CLV22X32X4F	--	
HALF CIRCLE LOUVER D1	HRLV32	HRLV32X16	--	
HALF CIRCLE LOUVER D1T	HRLV32TRIM4	HRLV32X4F	--	
HALF CIRCLE LOUVER D2	HRLV36	HRLV36X18	--	
HALF CIRCLE LOUVER D2T	HRLV36TRIM4	HRLV36X4F	00 43 2234	
OCTAGONAL LOUVER D1	OLV24	OLV24	--	
OCTAGONAL LOUVER D12	OLV24TRIM4	OLV24X4F	--	
OVAL LOUVER D1	OLV2537	OLV37X25	--	
OVAL LOUVER D1T	OLV2537TRIM4	OLV37X25X4F	--	
RECTANGUAR LOUVER D1	LV1224V	LV12X24	00 45 1218	
RECTANGUAR LOUVER D1T	LV1224VTRIM4	LV12X24-4F	00 45 1218	
RECTANGUAR LOUVER D2	LV1636V	LV16X36	--	
RECTANGUAR LOUVER D2T	LV1636VTRIM4	LV16X36-4F	--	
RECTANGUAR LOUVER D3	LV2436V	LV24X36	--	
RECTANGUAR LOUVER D3T	LV2436VTRIM4	LV24X36-4F	--	
RECTANGUAR LOUVER D4	LV2424V	LV24X24	--	
RECTANGUAR LOUVER D4T	LV2424VTRIM4	LV24X24-4F	--	
ROUND LOUVER D1	RLV18	RLV18	--	
ROUND LOUVER D1T	RLV18TRIM4	RLV18X4F	--	
ROUND LOUVER D2	RLV22	RLV22	--	
ROUND LOUVER D2T	RLV22TRIM4	RLV22X4F	--	
TRIANGULAR LOUVER D1	--	TRLVxxX36	00 47 0x0x	
BRACKETS				
Drees General Callout		Nuwood	Fypon	
EXTERIOR BRACKET D1	BR437	N/A		
EXTERIOR BRACKET D2	DB102	DTLB6X4X6		
EXTERIOR BRACKET D3	BR304 (7" WIDE)	BKT24X24X7		
EXTERIOR BRACKET D4	BR455	N/A		
EXTERIOR BRACKET D5	BR300-1	BKT12X12X6		
EXTERIOR BRACKET D6	BR300	BKT12X12		
EXTERIOR BRACKET D7	BR409	BKT16X18X3		
EXTERIOR BRACKET D8	BR413	DTLB5X5X3		
EXTERIOR BRACKET D9	TBD	BKT11X20		
EXTERIOR BRACKET D10	TBD	BKT12X24X3		
EXTERIOR BRACKET D11	BR435	BKT25X27		
EXTERIOR BRACKET D12	BR404	BKT16X30X4		
EXTERIOR BRACKET D13	BR23.13x10.13x5.5	N/A		
GABLE BRACKET D1	TBD	DTLB6X4X6R(OR L)PITCH		
GABLE BRACKET D2	BR423-x:12	BKT5X20		
GABLE BRACKET D3	BR424-x:12	BKT5X20 (CUT 2" PROJECTION)		

MOULDINGS		
Drees General Callout	Nuwood	Fypon
BAND MOULD D1	M210-16	MLD612-12
BAND MOULD D2	M301-16	MLD220-16
BARGE MOULD D1	WM210	WM210
CASE MOULD D1	M320-16	MLD226-16
CASE MOULD D2	N/A	MLD244-12
CROWN MOULD D1	M404-16	MLD572-16
DENTIL MOULD D1	M105-16	MLD310-16
DENTIL MOULD D2	M108-8	MLD353-8
HALF ROUND MOULD D1	N/A	MLD605-12
PANEL MOULD D1	M310-8 OR 16	MLD612-12
PEDIMENTS / COMBO HEADERS		
Drees General Callout	Nuwood	Fypon
BROW COMBO D1	BCxx	CSAPxx
PEAK PEDIMENT D1	Pxx-4 (6:12)	PCPxx
PEAK PEDIMENT Z-E1-PED	Z-E1-PED	Z-E1-PED
PEAKED COMBO D1	PCxx-4	CPCPxx
RAMS HEAD PEDIMENT D1	Rxx	RHPxx00
ROUND PEDIMENT D1	Bxx-4	PSPxx
SUNRISE COMBO D1	SCxx-4	CSPxx
VICTORIAN PEDIMENT D1	VPxx	DVPxx w/ SWDHxxXxx
WINDOW DECORATION		
Drees General Callout	Nuwood	Fypon
HALF CIRCLE SUNBURST D1	SPxxxx	SWDHxxXxx
PALLADIAN WINDOW D1	H9AR10-xx xx" FL/FR	ARxxX10MFLxxx
PALLADIAN WINDOW D1K	H9AR10-xxK xx" FL/FR	ARxxX10MFLxxx with K10TM
PALLADIAN WINDOW D2	H9AR10SPxxxx	ARxxX10MFLxxx with SWDHxxXxx
PALLADIAN WINDOW D2K	H9AR10SPxxxxK	ARxxX10MFLxxx with SWDHxxXxx and K10TM
PEAKED CAP HEADER D1	N/A	CHPCxxX15
PLAIN SEGMENT D1	SPxxxxP	PSPxx
SEGMENT SUNBURST D1	SPxxxx	SWDHxxXxx
ACCESSORIES		
Drees General Callout	Nuwood	Fypon
GABLE D1	PGDx12	GPA (width X height)
KEystone D1	KY14F-3	KY14
KEystone D2	KYHM9F	K9M
WREATH D1	N/A	WAB34