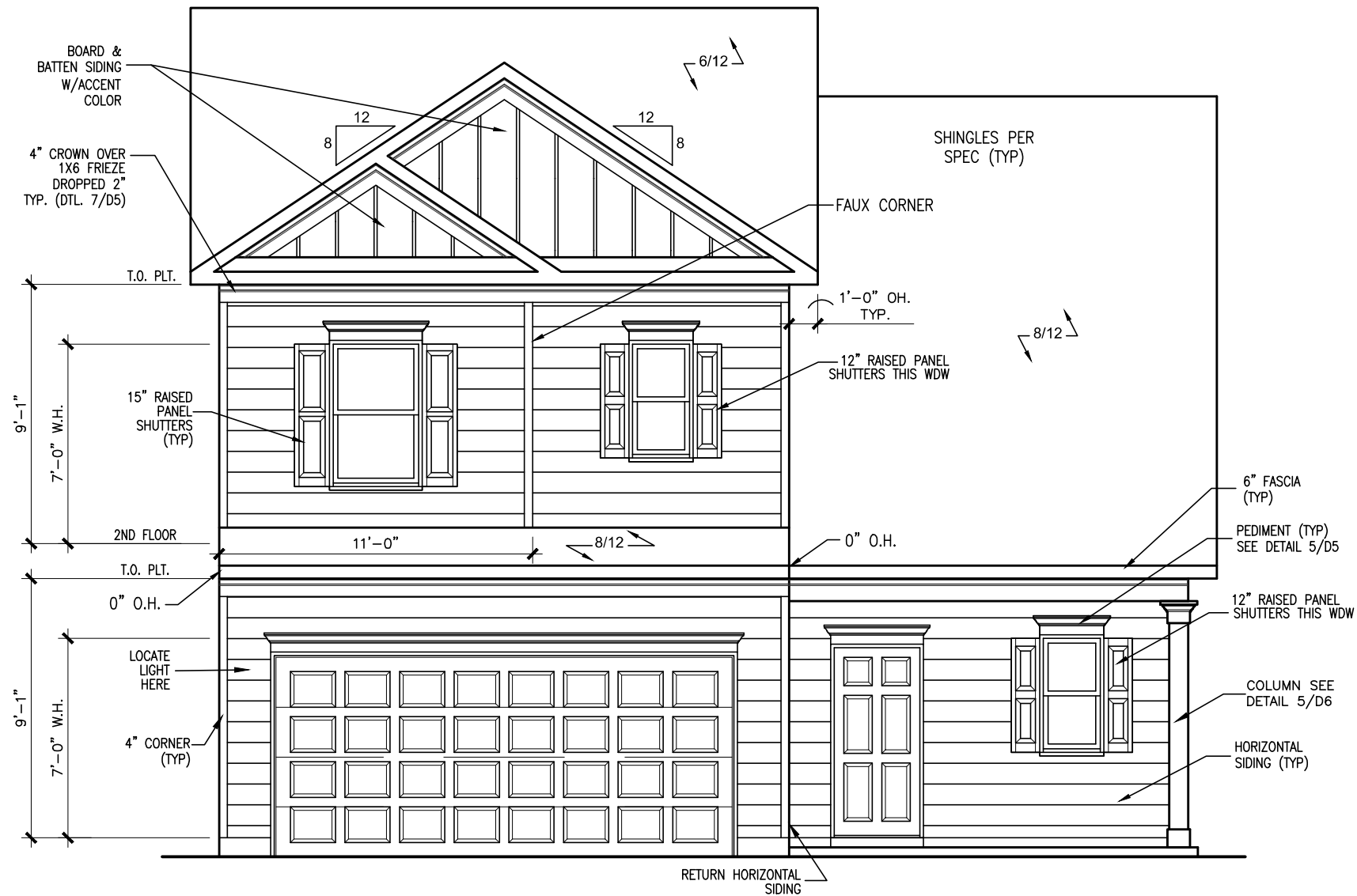


ALL NON-MASONRY RETURNS TO BE HORIZONTAL SIDING

SEE SHEET D3 OF SDH TYPICAL DETAILS FOR SOFFIT DETAILS PER SOFFIT MATERIAL

BRIARWOOD BLUFF LOT 07



FRONT ELEVATION "A"

SCALE: 3/16"=1'-0"

BY	REVISION	DATE
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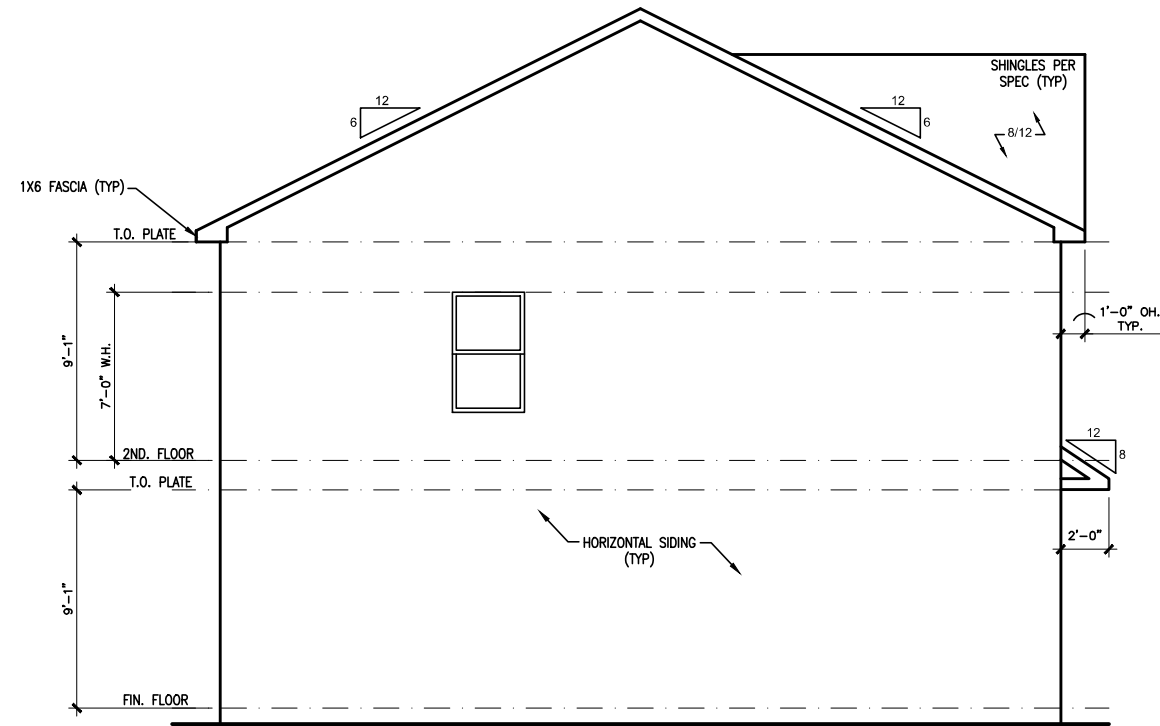
ELEVATIONS
FRONT ELEVATION
LAWSON

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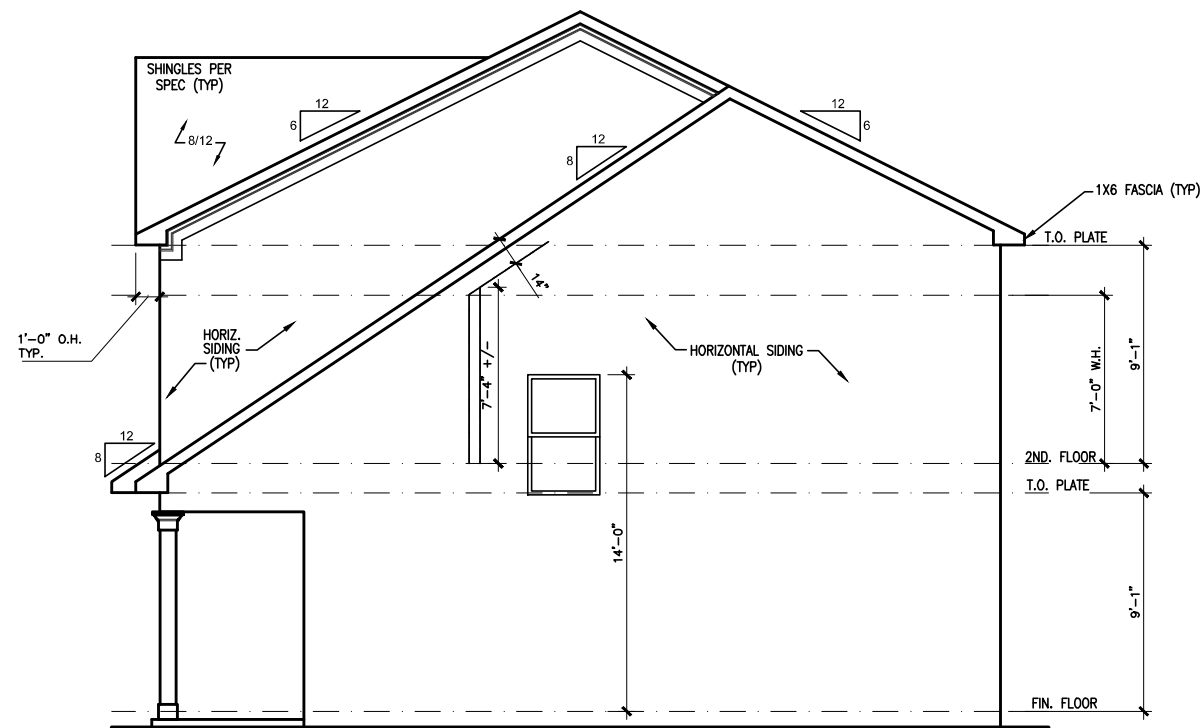
BY: AAP	CH: AW
DATE: 11/6/2024	
FACADE OPT: A	
PLAN ID:	
FND: ALL	ELEV: A
PAGE NO: A1.1	

BRIARWOOD BLUFF LOT 07



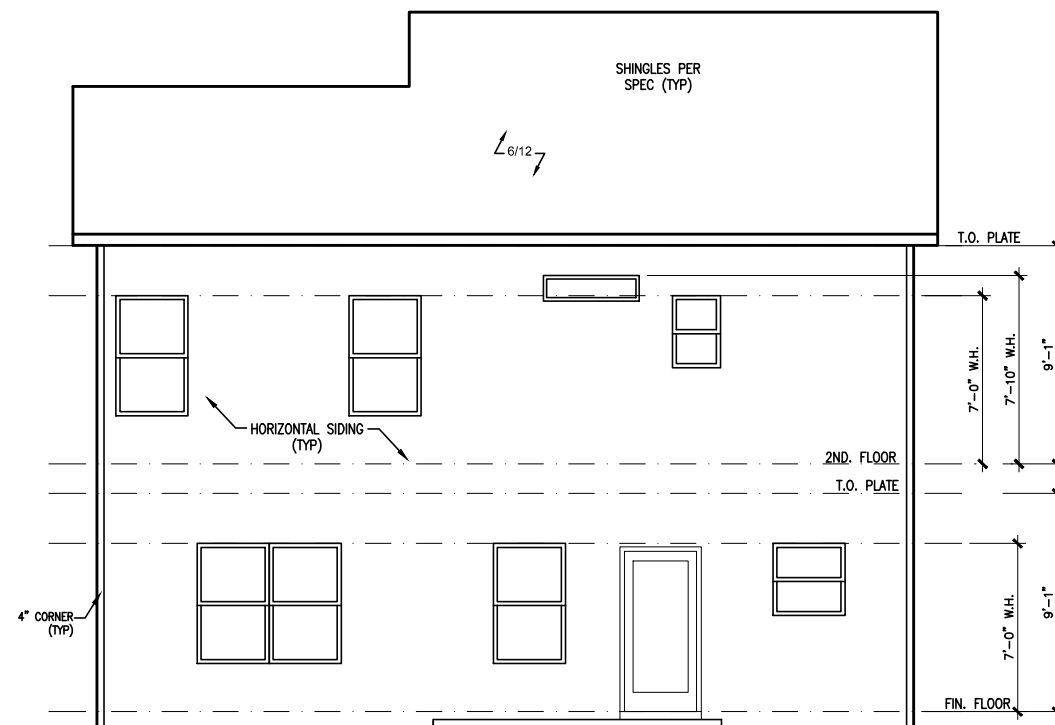
LEFT ELEVATION "A"

SCALE: 1/8" = 1'-0"



RIGHT ELEVATION "A"

SCALE: 1/8" = 1'-0"



REAR ELEVATION "A"

SCALE: 1/8" = 1'-0"

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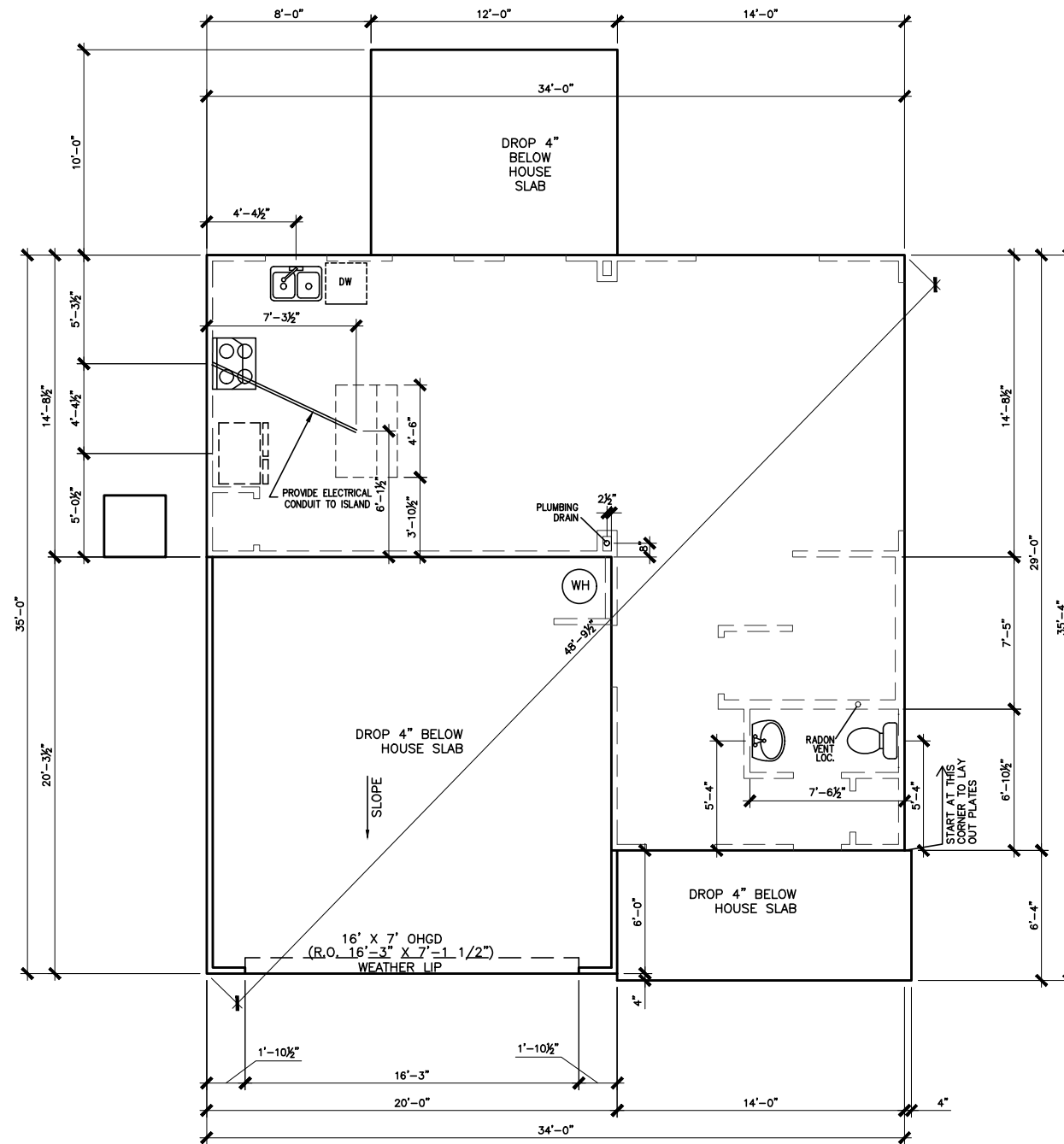
ELEVATIONS
SIDES AND REAR
LAWSON

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BRIARWOOD BLUFF LOT 07



SLAB PLAN

SCALE: 1/8" = 1'-0"

*RADON VENT PROVIDED
PER LOCAL CODE

REFER TO DETAIL 3/D1
FOR BRICK LEDGE
DETAIL WHEN BRICK
VENEER IS CHOSEN

DATE	REVISION	BY



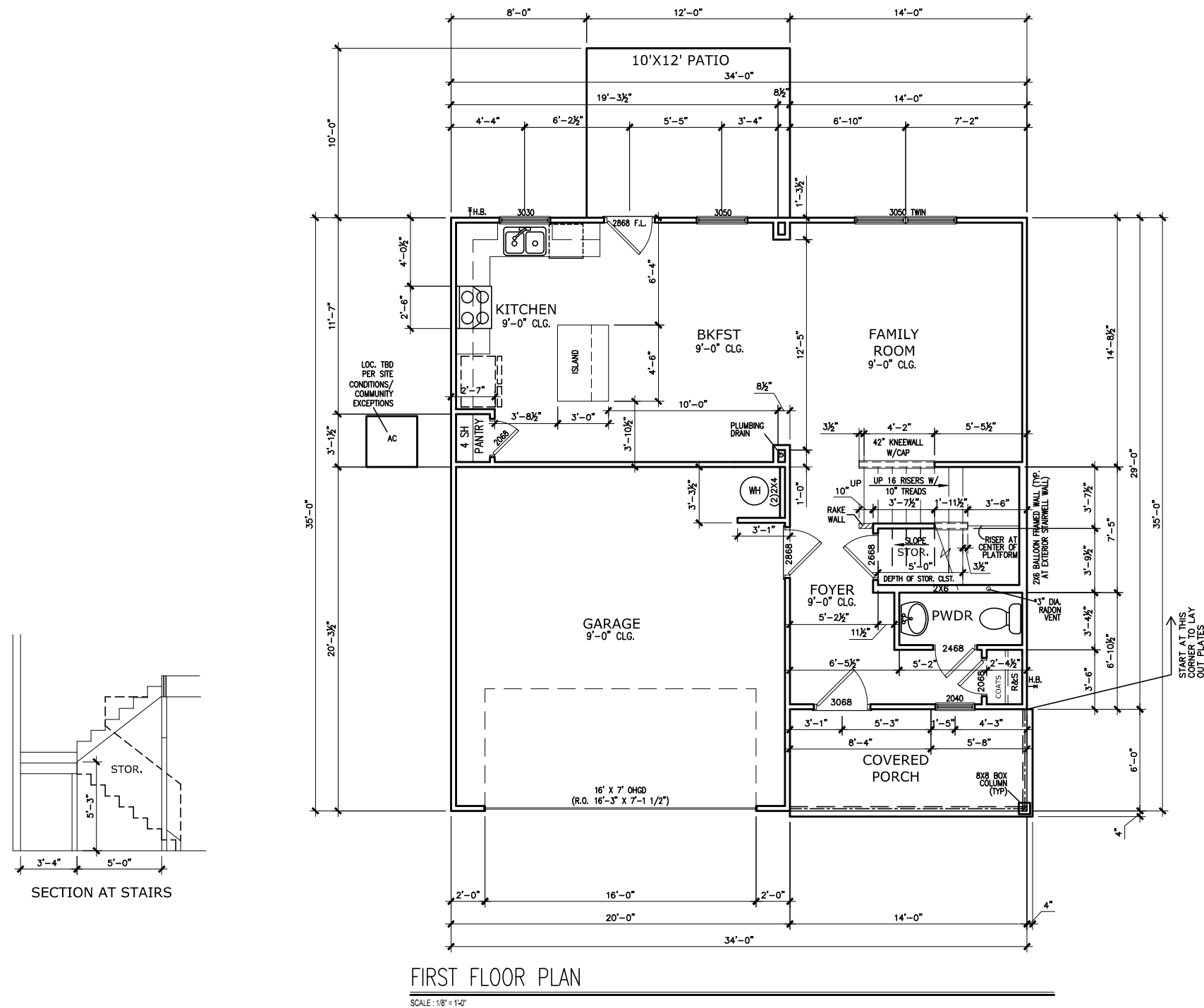
FOUNDATION PLAN
SLAB PLAN
LAWSON

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BRIARWOOD BLUFF LOT 07



*RADON VENT PROVIDED
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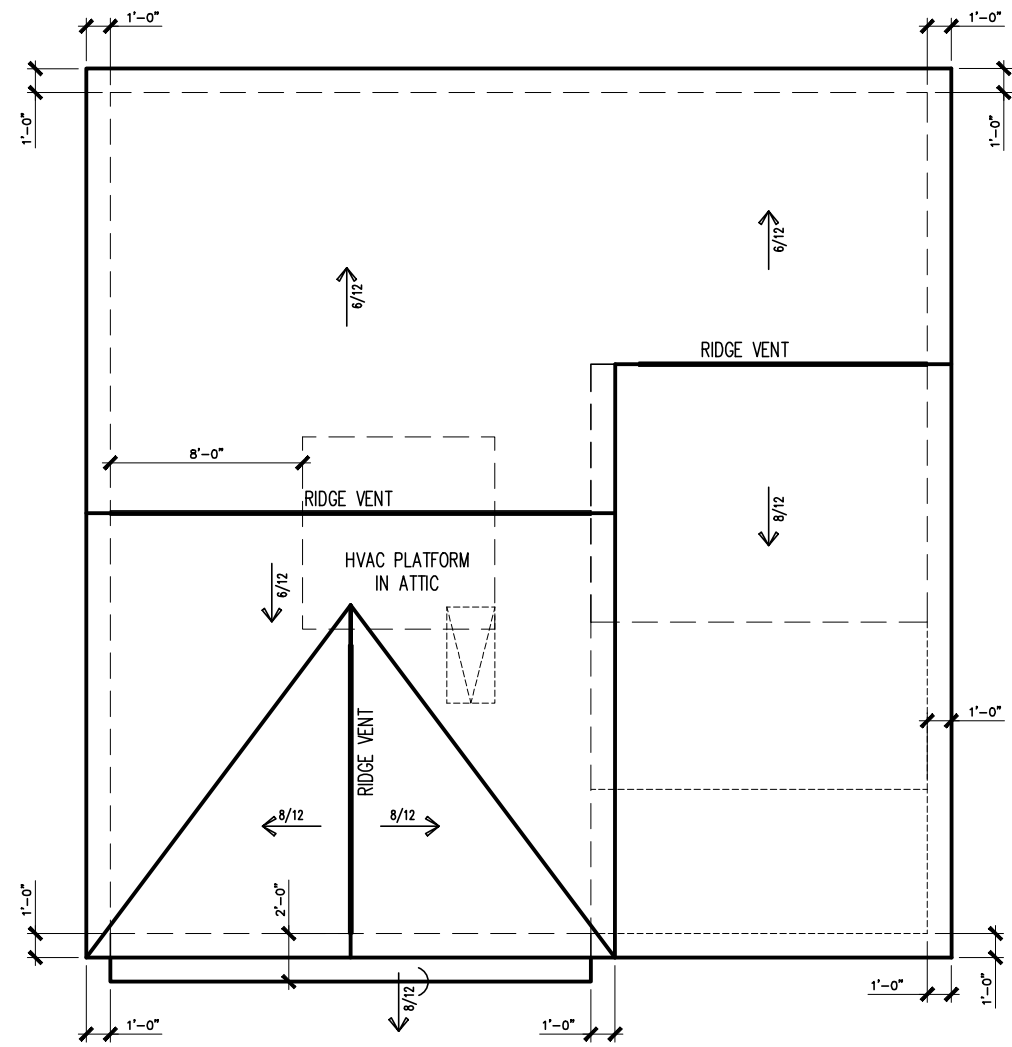
FLOOR PLAN
FIRST FLOOR
LAWSON

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BRIARWOOD BLUFF LOT 07



ROOF PLAN "A"

SCALE : 1/8" = 1'-0"

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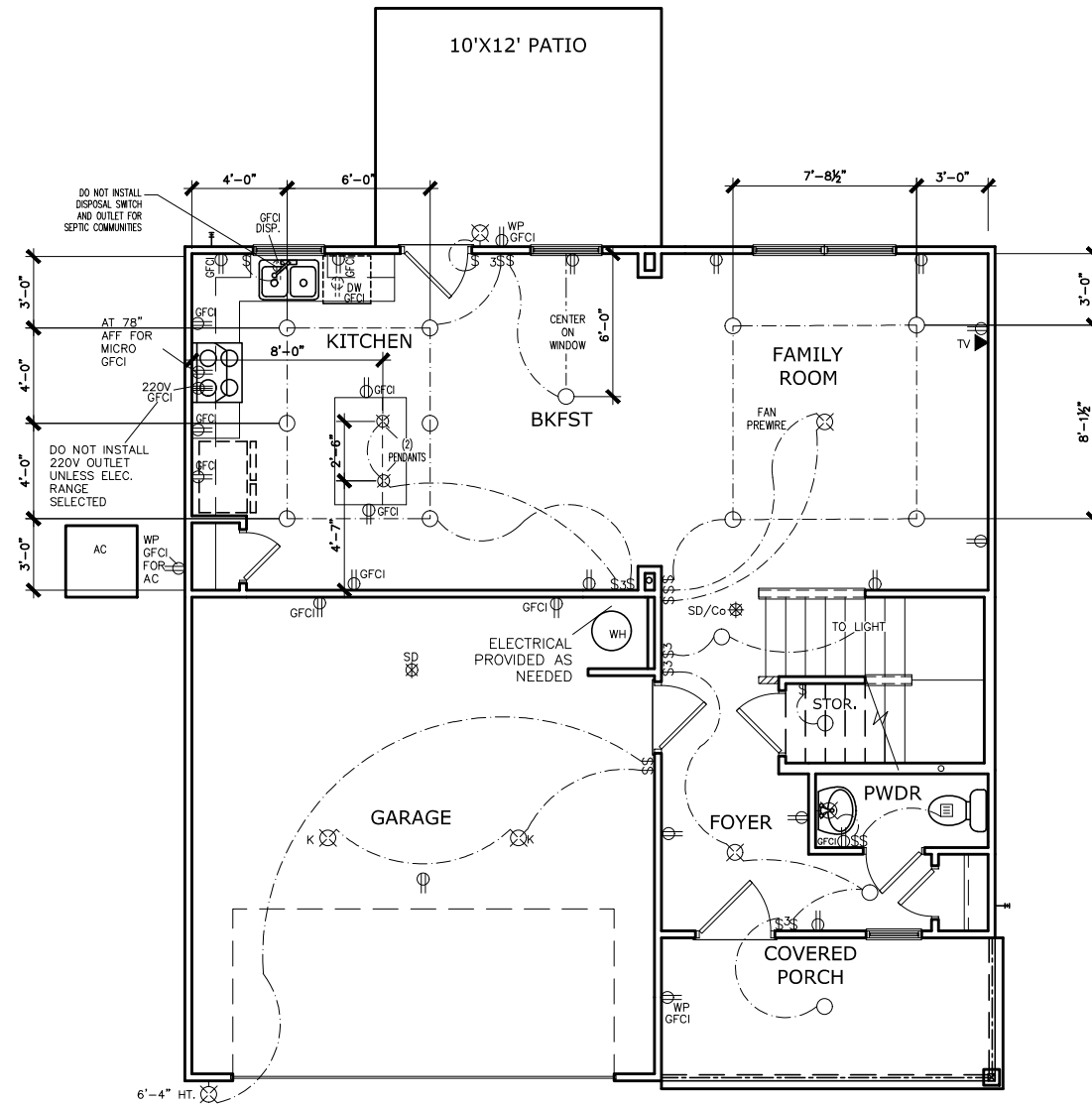
ROOF PLAN
ROOF PLAN
LAWSON

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BRIARWOOD BLUFF LOT 07



FIRST FLOOR ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

ELECTRICAL LEGEND

S	SWITCH	TV	TV
S ₃	3 WAY SWITCH	R	120V RECEPTACLE
S ₄	4 WAY SWITCH	R	120V SWITCHED RECEPTACLE
C	CEILING FIXTURE	R	220V RECEPTACLE
K	KEYLESS	R	GFCI OUTLET
W	WALL MOUNT FIXTURE	R	ARCH FAULT CIRCUIT INTERRUPTER
C	CEILING FIXTURE	GL	GAS LINE
F	FLEX CONDUIT	WL	WATER LINE
CH	CHIMES	H	HOSE BIBB
PH	TELEPHONE	F	FLOOD LIGHT
SD/Cc	SMOKE DETECTOR & CARBON MONOXIDE	L	1x4 LUMINOUS FIXTURE
SO	SECURITY OUTLET	F	CEILING FAN
G	GARAGE DOOR OPENER	W	ELECTRICAL WIRING
E	EXHAUST FAN	C	CEILING FIXTURE
F/L	FAN/LIGHT		

ELECTRICAL PLANS TO FOLLOW ALL LOCAL CODES

APPROX. FIXTURE HGTS (MEASURED FROM BOTTOM OF FIXTURE)

BREAKFAST/DINING ROOM	63" ABOVE FINISHED FLOOR
KITCHEN PENDANT LIGHTS	33" ABOVE COUNTER TOP
TWO STORY FOYER FIXTURE	96" ABOVE FINISHED FLOOR
CEILING FAN	96" ABOVE FINISHED FLOOR
FLOOD LIGHT	10' MAX. ABOVE FIN. FLOOR

NOTE: FINAL PLACEMENT OF PHONE/CABLE T.B.D. ON SITE BY THE BUILDER

BY	REVISION	DATE
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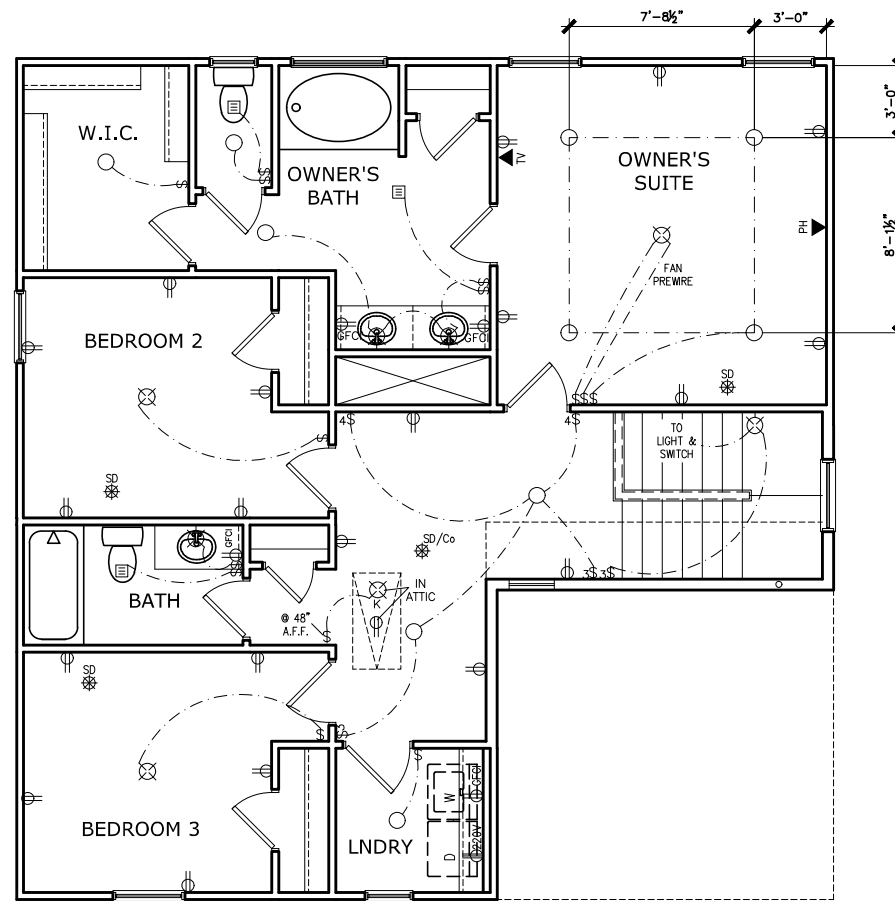
ELECTRICAL PLAN
FIRST FLOOR
LAWSON

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PAGE NO: A7.2	

BRIARWOOD BLUFF LOT 07



SECOND FLOOR ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

ELECTRICAL LEGEND			
§	SWITCH	TV	TV
§3	3 WAY SWITCH	⊕	120V RECEPTACLE
§4	4 WAY SWITCH	⊕	120V SWITCHED RECEPTACLE
⊗	CEILING FIXTURE	⊕	220V RECEPTACLE
⊕	KEYLESS	⊕	GFCI
⊕	WALL MOUNT FIXTURE	⊕	GFCI OUTLET
⊕	CEILING FIXTURE	⊕	ARCH FAULT CIRCUIT INTERRUPTER
⊕	FLEX CONDUIT	†	GL
CH	CHIMES	†	WL
PH	TELEPHONE	⊕	HOSE BIBB
SD/Co	SMOKE DETECTOR & CARBON MONOXIDE	⊕	FLOOD LIGHT
SO	SECURITY OUTLET	⊕	1x4 LUMINOUS FIXTURE
□	GARAGE DOOR OPENER	⊕	CEILING FAN
⊕	EXHAUST FAN	⊕	ELECTRICAL WIRING
⊕	FAN/LIGHT	⊕	CEILING FIXTURE
ELECTRICAL PLANS TO FOLLOW ALL LOCAL CODES			
APPROX. FIXTURE HGTS (MEASURED FROM BOTTOM OF FIXTURE)			
BREAKFAST/DINING ROOM	63" ABOVE FINISHED FLOOR		
KITCHEN PENDANT LIGHTS	33" ABOVE COUNTER TOP		
TWO STORY FOYER FIXTURE	96" ABOVE FINISHED FLOOR		
CEILING FAN	96" ABOVE FINISHED FLOOR		
FLOOD LIGHT	10' MAX. ABOVE FIN. FLOOR		

NOTE: FINAL PLACEMENT OF
PHONE/CABLE T.B.D. ON SITE
BY THE BUILDER

DATE	REVISION	BY
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#	#	#



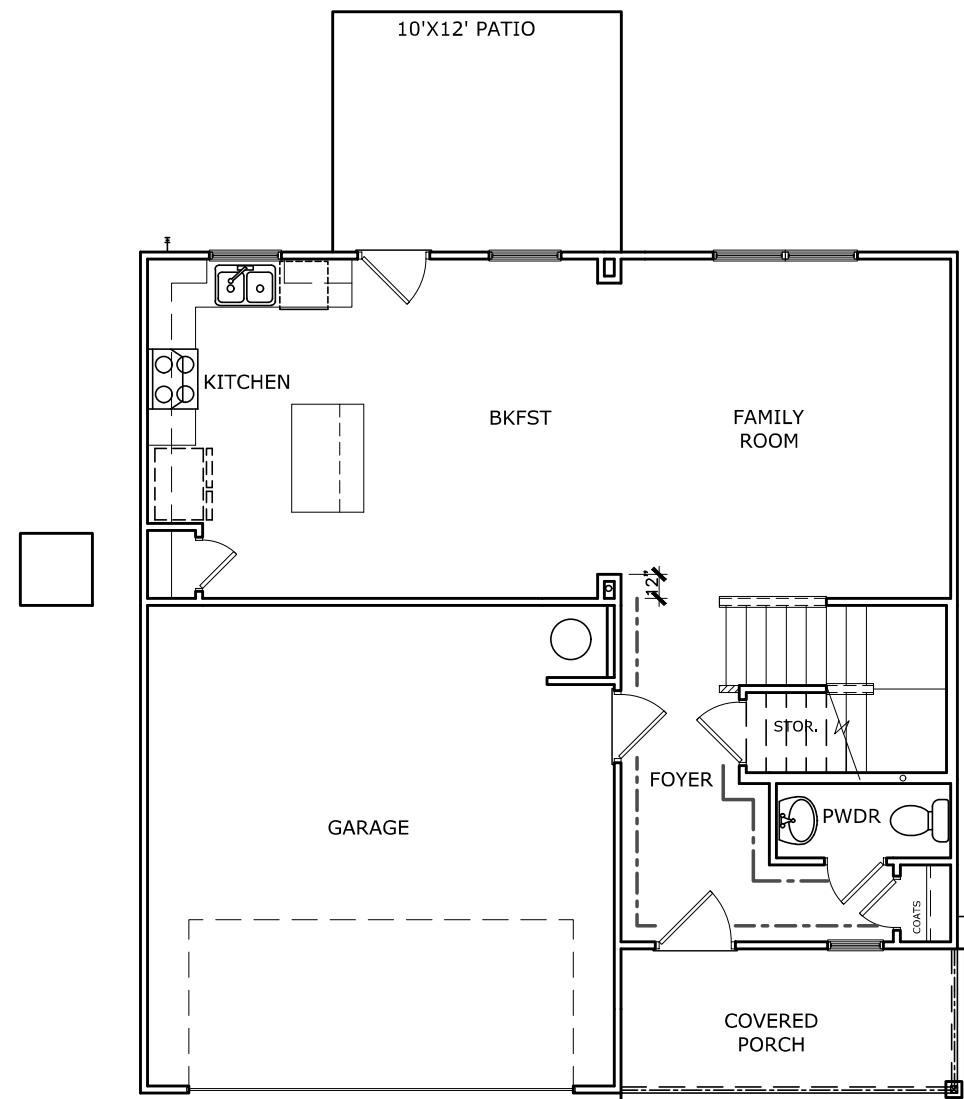
ELECTRICAL PLAN
SECOND FLOOR
LAWSON

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FND: ALL	BLV: A
PAGE NO: A7.3	

BRIARWOOD BLUFF LOT 07



FOYER TRIM - CHAIR/SHADOW -----

TRIM LAYOUT FIRST FLOOR PLAN

SCALE : 1/8" = 1'-0"

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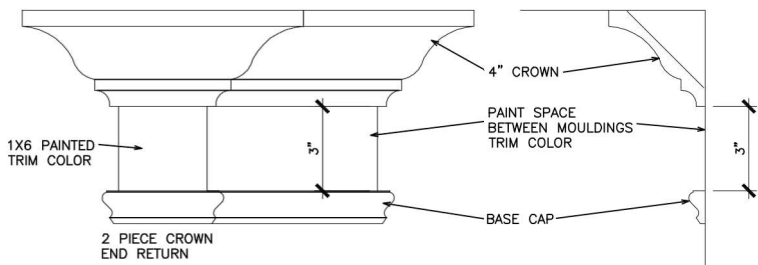
FLOOR PLAN
TRIM LAYOUT
LAWSON

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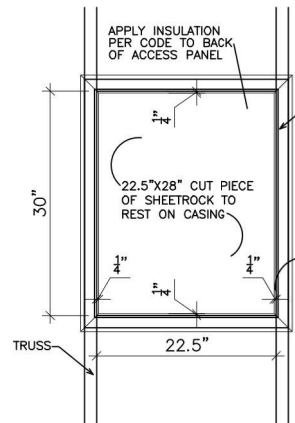
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REFER TO LOT SPECIFIC PLAN TO DETERMINE WHICH DETAILS APPLY



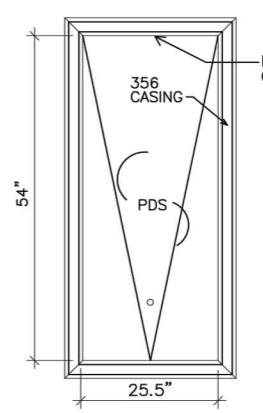
TYPICAL TWO PIECE CROWN

N.T.S.



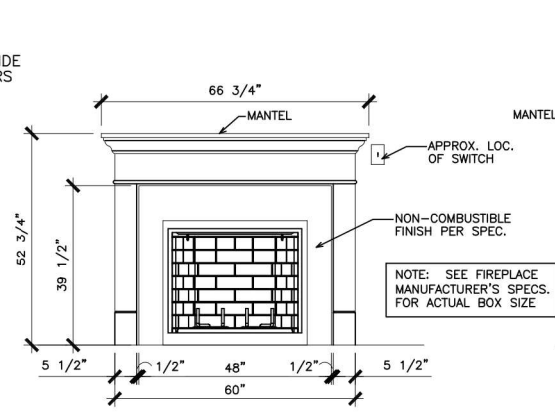
SCUTTLE HOLE DETAIL

N.T.S.



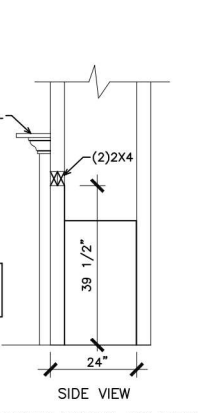
PDS TRIM DETAIL

N.T.S.



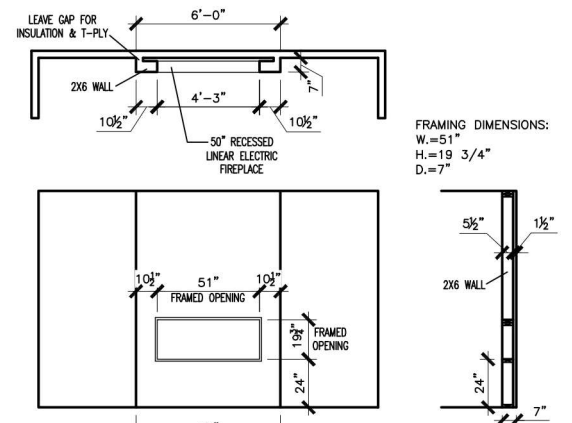
GAS/ELECTRIC FIREPLACE DETAIL WITH WESCOTT WOOD MANTEL

N.T.S.



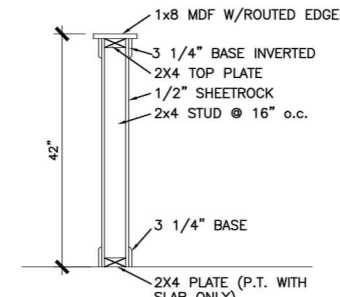
SIDE VIEW

N.T.S.



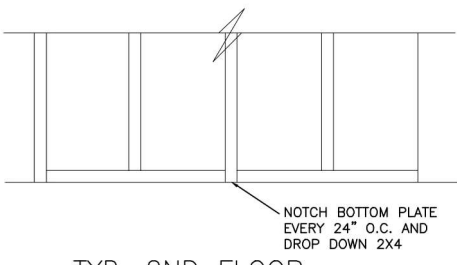
LINEAR ELECTRIC FIREPLACE DETAIL

N.T.S.



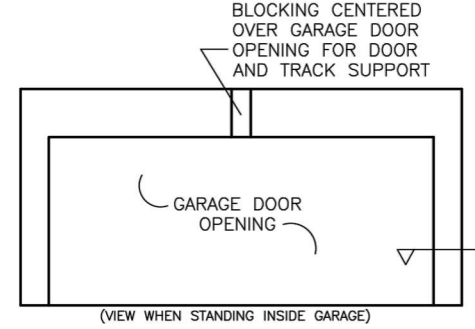
TYP. KNEEWALL SECTION

N.T.S.



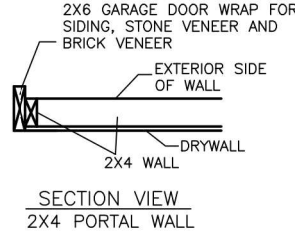
TYP. 2ND FLOOR KNEEWALL STABILITY

N.T.S.



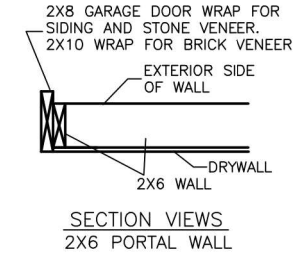
TYP. GARAGE WRAP & BLOCKING

N.T.S.



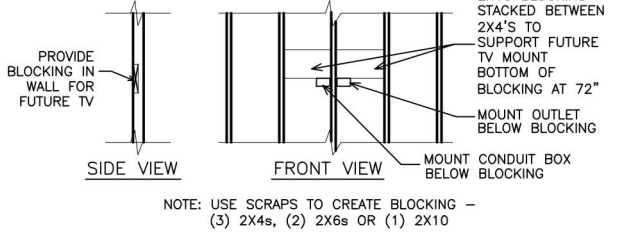
SECTION VIEW 2X4 PORTAL WALL

N.T.S.



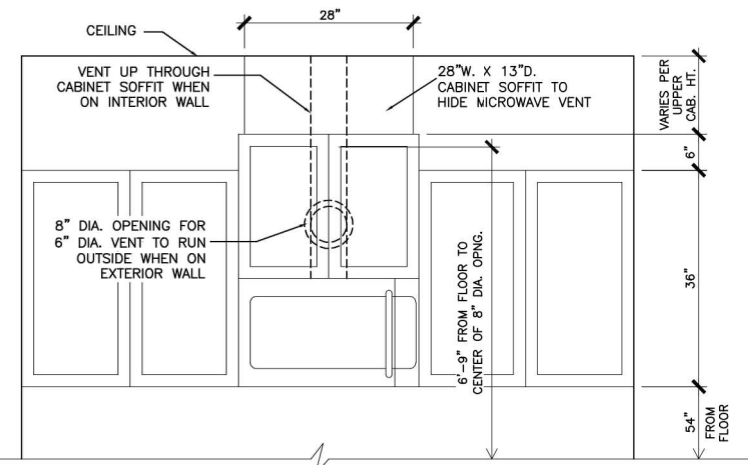
SECTION VIEWS 2X6 PORTAL WALL

N.T.S.



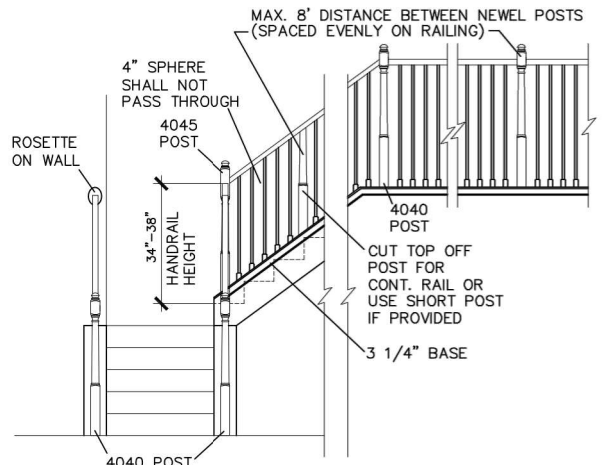
TYP. TV WALL PREP

N.T.S.



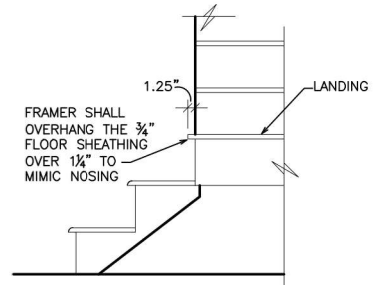
CABINET SOFFIT DETAIL ABOVE VENTED MICROWAVE W/CABINET ABOVE RANGE BUMPED UP & OUT

N.T.S.



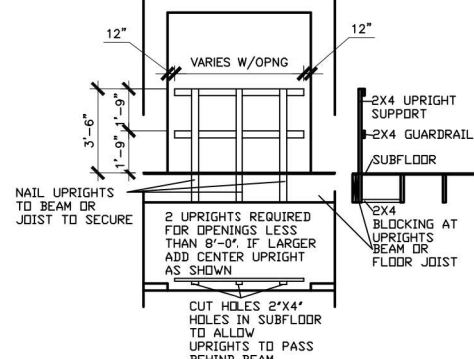
HANDRAIL/POST DETAIL @ STAIRS

N.T.S.



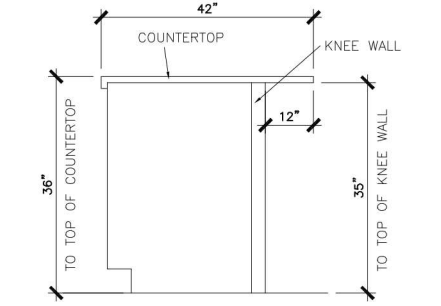
BOX STEP OVERHANG

N.T.S.



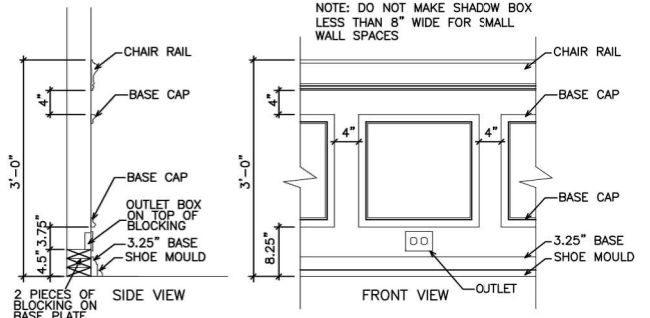
GUARD RAIL DTL. AS REQ'D

N.T.S.



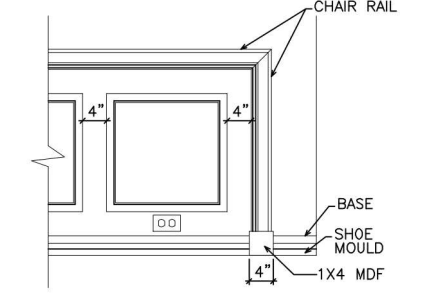
SECTION @ ISLAND KNEEWALL

N.T.S.



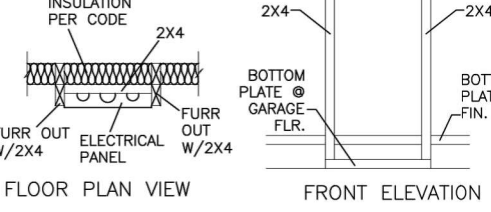
TYPICAL CHAIR RAIL & SHADOW BOX DETAIL

N.T.S.



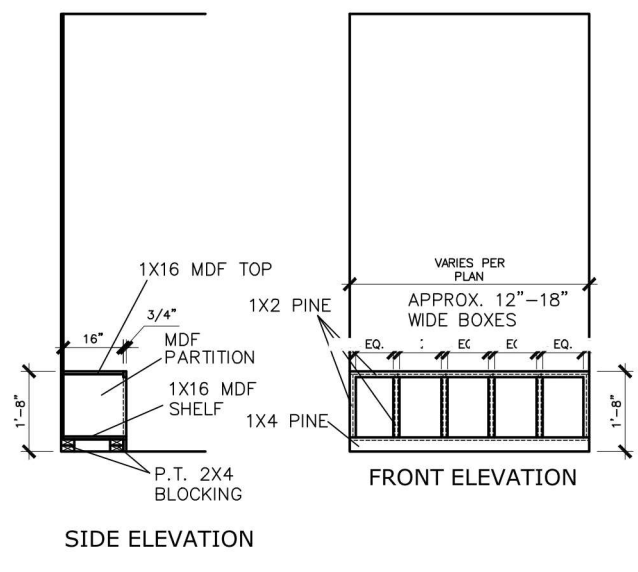
CHAIR RAIL END TRIM DETAIL

N.T.S.



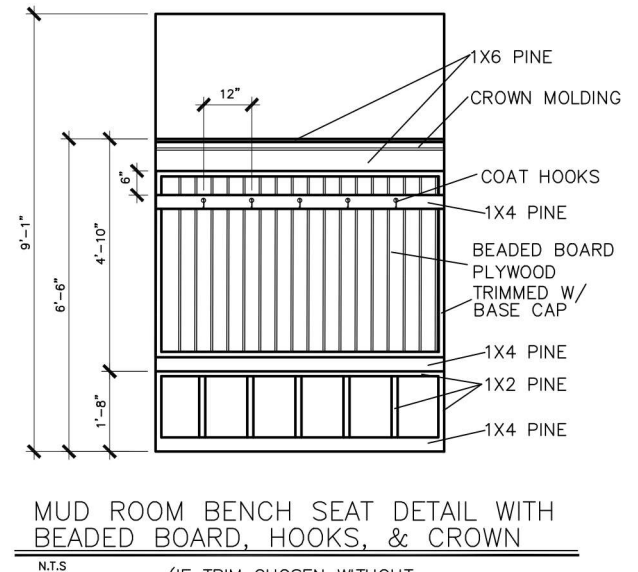
ELECTRICAL PANEL DETAIL

N.T.S.



MUD ROOM BENCH SEAT DETAIL

N.T.S.



MUD ROOM BENCH SEAT DETAIL WITH BEADED BOARD, HOOKS, & CROWN

N.T.S.

(IF TRIM CHOSEN WITHOUT BENCH CONTINUE TO FLOOR)

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INTERIOR TRIM DETAILS

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

Table with 3 columns: DESCRIPTION OF BLDG. ELEMENT, 3"x0.131" NAILS, 3"x0.120" NAILS. Rows include JOIST TO SOLE PLATE, SOLE PL. TO JOIST/RIM OR BLK'G STUD TO PLATE, RIM TO TOP PLATE, etc.

* 2 5/8"x0.113 IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS. (ONLY ACCEPTABLE WHERE * ARE SHOWN)

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

ROOF 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 MK FOR REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.

VENEER LINTEL SCHEDULE

Table with 3 columns: SPAN (MAX), HEIGHT OF VENEER ABOVE LINTEL, STEEL ANGLE SIZE. Rows for spans 3'-0", 6'-0", 8'-0", 9'-6".

ALL LINTELS - SHALL SUPPORT 2 3/8" - 3 1/2" VENEER W/ 40 psf MAXIMUM HEIGHT. < 1/8" SHALL HAVE 4" MIN. BEARING. > 1/8" SHALL HAVE 8" MIN. BEARING. < 1/8" SHALL NOT BE FASTENED BACK TO HEADER. > 1/8" SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @ 48" O.C. W/ 1/2" DIA. x 3 1/2" LONG LAG SCREWS @ 2' LONG VERTICALLY SLOTTED HOLES.

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NCSBG-RESIDENTIAL CODE & 2018 IRC WITH SOUTH CAROLINA AMENDMENTS.
FOOTING DESIGN - 2,000 PSF NET ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED.
FASTEN 2x4/6 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., 7" MIN. EMBEDMENT
• F44 ANCHOR STRAPS @ 6'-0" O.C.

LEGEND

- RT INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)
OF INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.)
F.J. INDICATES 14" DEEP FLOOR I-JOISTS @ 24" O.C. MAX. JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER.

LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: 120MPH WIND IN 2018 NCSBG:RC & 120MPH WIND IN 2018 IRC (120 MPH WIND SPEED IN ASCE 7 WIND MAP, PER IRC R301.2.1.1) EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.

THE DESIGN WAS COMPLETED PER 2015 & 2018 IBC (SECTION 1604) & ASCE 7, AS PERMITTED BY R301.1.3 OF THE 2018 NCSBG:RC & 2018 IRC. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREWITHIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

EXT. WALL SHEATHING SPECIFICATION

- 1/16" 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.
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.

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.
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.

NON-BEARING HEADER SCHEDULE

Table with 3 columns: SPAN, 2x4 NON-BEARING PARTITION WALL, 2x6 NON-BEARING PARTITION WALL. Rows for spans UP TO 3'-0", UP TO 6'-0", UP TO 8'-0".

NOTES: ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x STUD GRADE MEMBERS SPACED @ 24" O.C. (MAX.)

FLOOR FRAMING

- I-JOISTS SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES STONE/MARBLE OR NET BED CONSTRUCTED FLOORS - CONTACT MK 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").
FLOOR SYSTEMS & SHEATHING HAVE BEEN DESIGNED TO SUPPORT ADDITIONAL DEAD LOAD FROM CERAMIC TILE (EXCLUDING MARBLE OR STONE). HOWEVER, IT SHALL BE THE FLOOR FINISH INSTALLER'S RESPONSIBILITY TO PROVIDE PROPER UNDERLAYMENT, UNCOUPLING MEMBRANE AND MORTAR/GROUT PER THE ASSEMBLY DESIGNATIONS IN THE TCNA HANDBOOK (TILE COUNCIL OF NORTH AMERICA).

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.
WITHIN 48" OF ALL ROOF EDGES, RIDGES, & HIPS FASTEN ROOF SHEATHING FIELDS PER EDGE NAILING SPEC.
FASTEN EACH ROOF TRUSS TO TOP PLATE W/ USP RTIA CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) RTIA CLIPS AT 2-PLY GIRDER TRUSSES, (3) RTIA CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.

MEANS & METHODS NOTES

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS FINISHED AND ALL PLAN, DETAIL, AND NOTE SPECIFICATIONS HAVE BEEN COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENTS IN CONTACT WITH FLOOR FRAMING ARE LEVEL, INCLUDING, BUT NOT LIMITED TO; FOUNDATIONS, SLABS ON GRADE, BEAMS, WALLS, AND NON-BEARING ELEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY, OR WARRANTY TOLERANCES.

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 NCSBG-RESIDENTIAL CODE & 2018 IRC WITH SOUTH CAROLINA AMENDMENTS.
WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.
DESIGN LOADS:
ROOF LIVE = 20 PSF
DEAD = 7 PSF T.C., 10 PSF B.C.
LOAD DURATION FACTOR = 1.25
FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS)
DEAD = 10 PSF (1-JOISTS)
ADD'L 10 PSF @ CERAMIC TILE IN BATHS & LAUND.

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.
EXT. & INT. BEARING WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C.
ALL INTERIOR BEARING WALLS ARE ASSUMED TO BE SHEATHED W/ GYP WALL BOARD (ONE SIDE MIN.) OR PROVIDE MID HT. BLOCKING.
ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (SP) LUMBER, OR BETTER. SUPPORT ALL HEADERS/ BEAMS W/ (1) 2x JACK STUD @ (1) 2x KING STUD, MINIMUM.
ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x STUD GRADE MEMBERS SPACED @ 24" O.C. (MAX. U.N.O.)

Mulhern+Kulp project number: 256-22017

project mgr: SMK
drawn by: MRG
issue date: 12-09-22

REVISIONS:
date: initial:

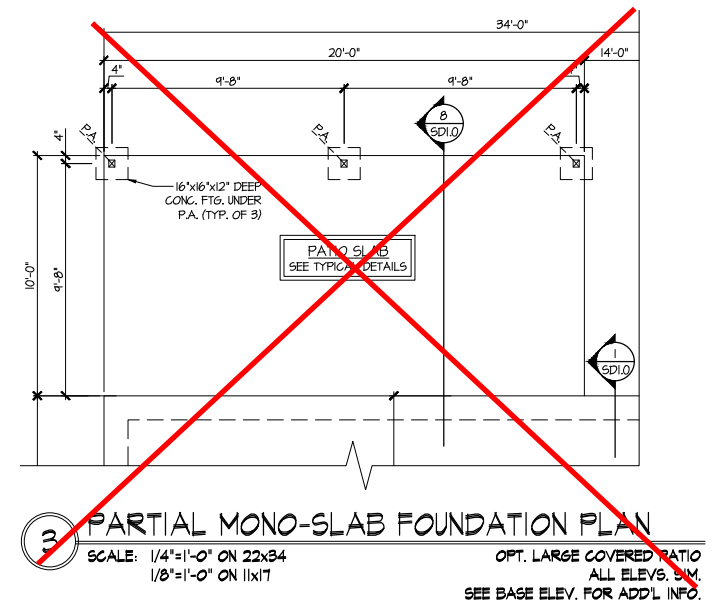
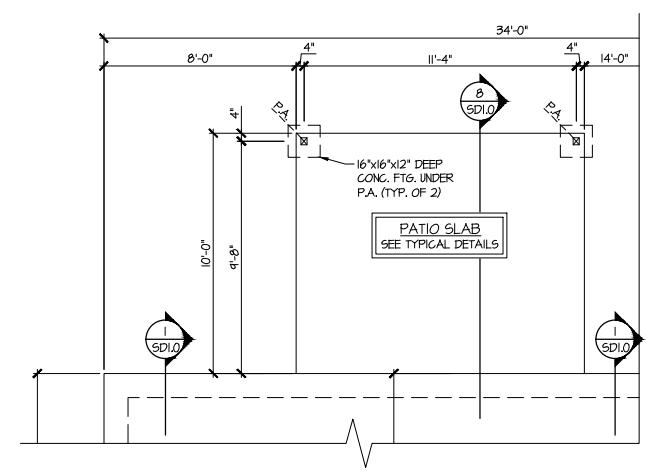
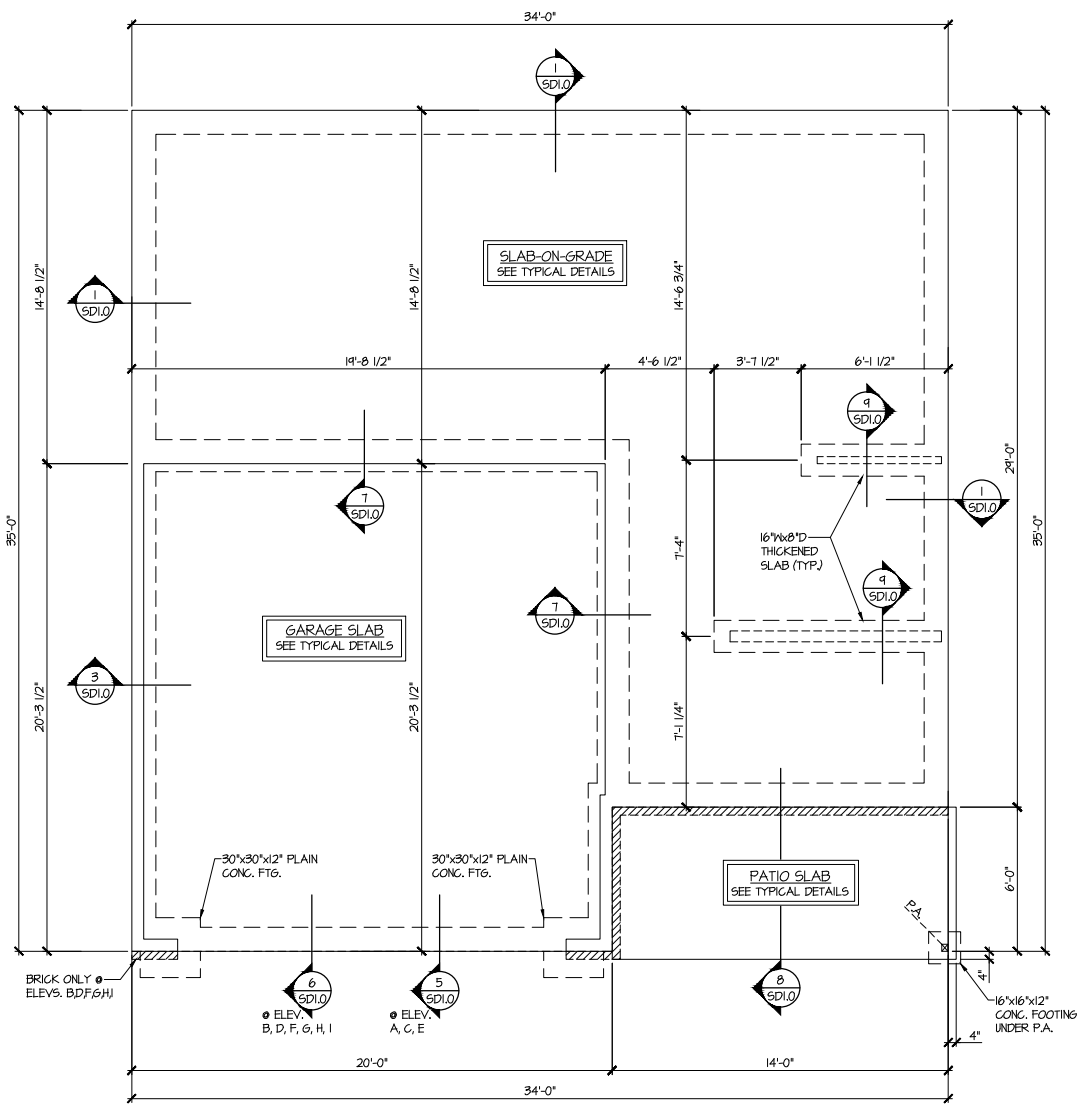
SMITH DOUGLAS HOMES

GENERAL STRUCTURAL NOTES
LAWSON MODEL
120 MPH WIND ZONE
NORTH CAROLINA

BRIARWOOD Lot 7

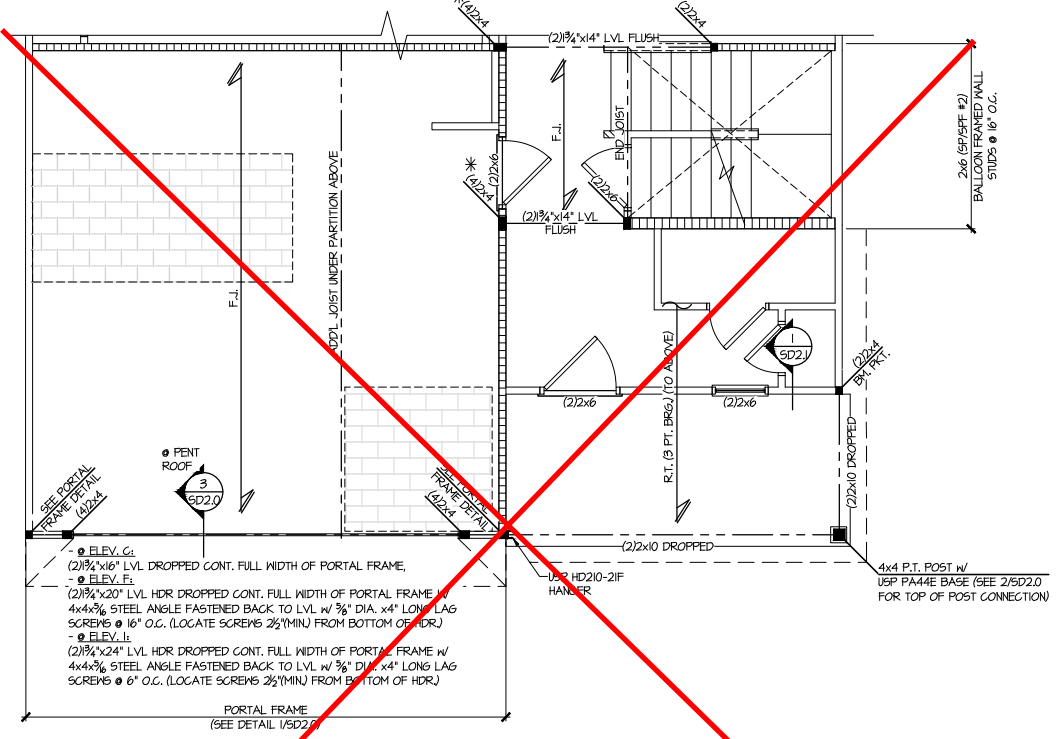
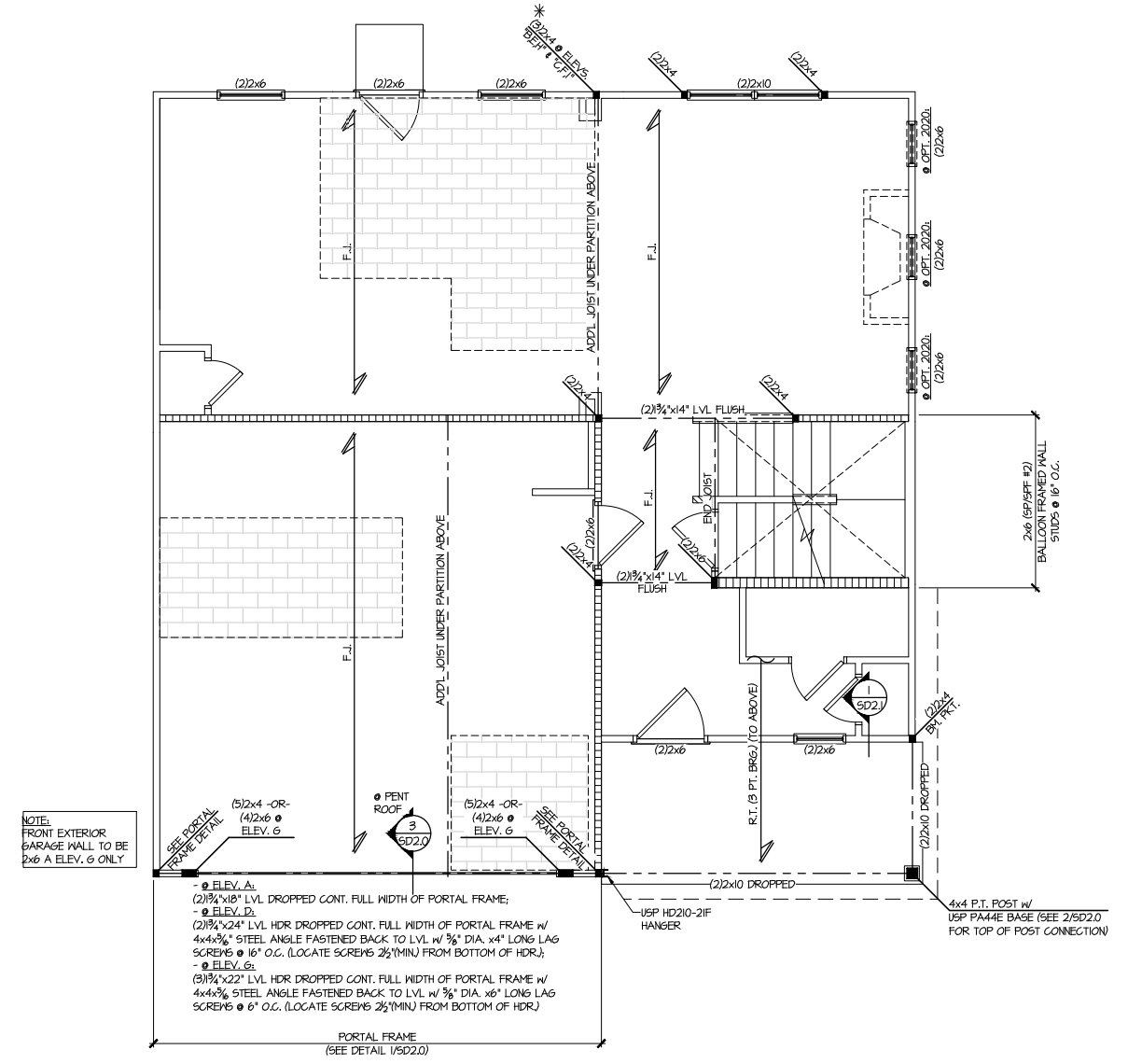
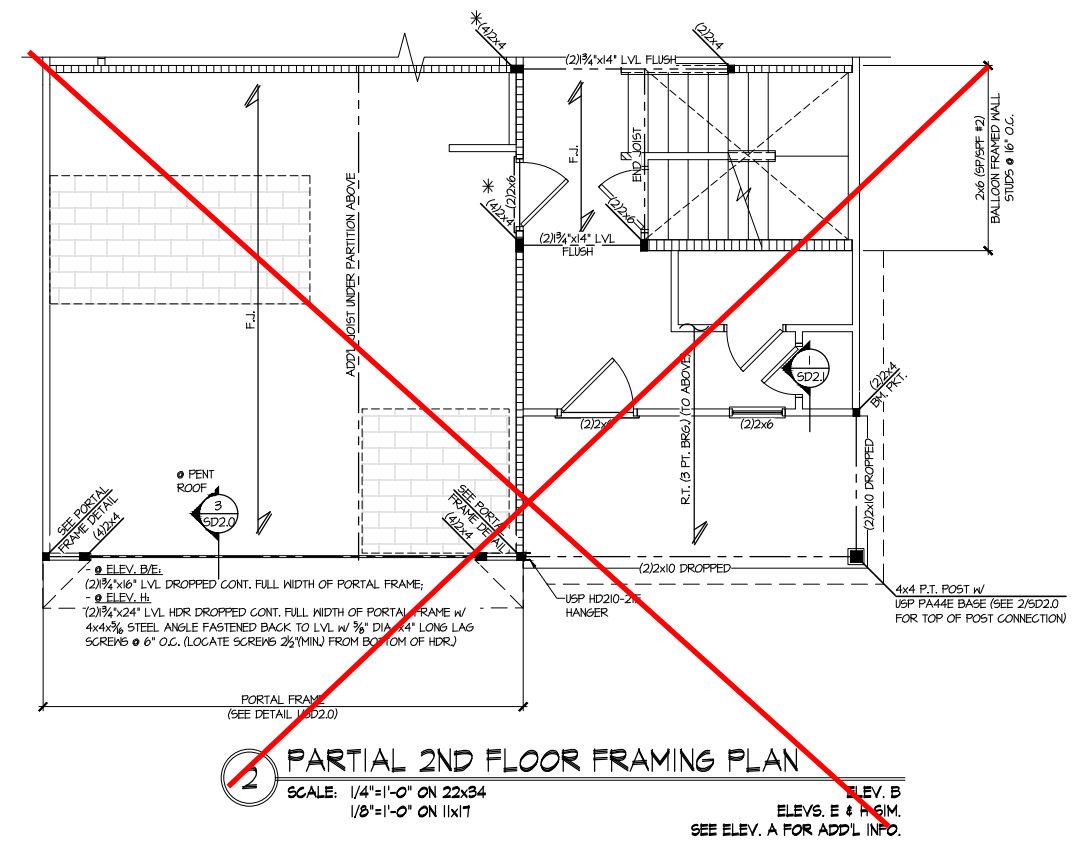
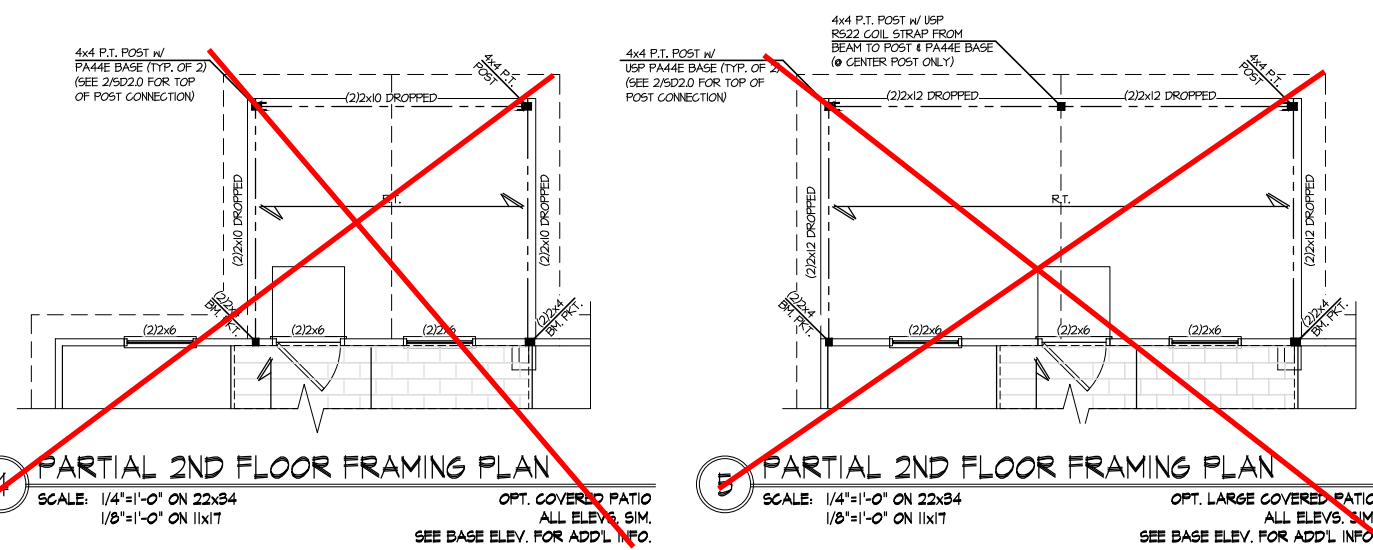
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REFER TO S.O. FOR TYPICAL
 STRUCTURAL NOTES & SCHEDULES



LEGEND

- R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. UNO.)
- O.F. INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. UNO.)
- F.J. INDICATES 14" DEEP FLOOR I-JOISTS @ 24" O.C. MAX. JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. NOTE: 14" FLOOR TRUSSES @ 24" O.C. MAX. IS AN ACCEPTABLE ALTERNATE FLOOR SYSTEM.
- INDICATES LOCATIONS OF POTENTIAL TILE FLOOR. JOIST MANUFACTURER SHALL DESIGN FLOOR SYSTEM FOR ADD'L 10 PSF DEAD LOAD AT THESE LOCATIONS.
- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM/HEADER
- METAL HANGER
- INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



**BRIARWOOD
 Lot 7**

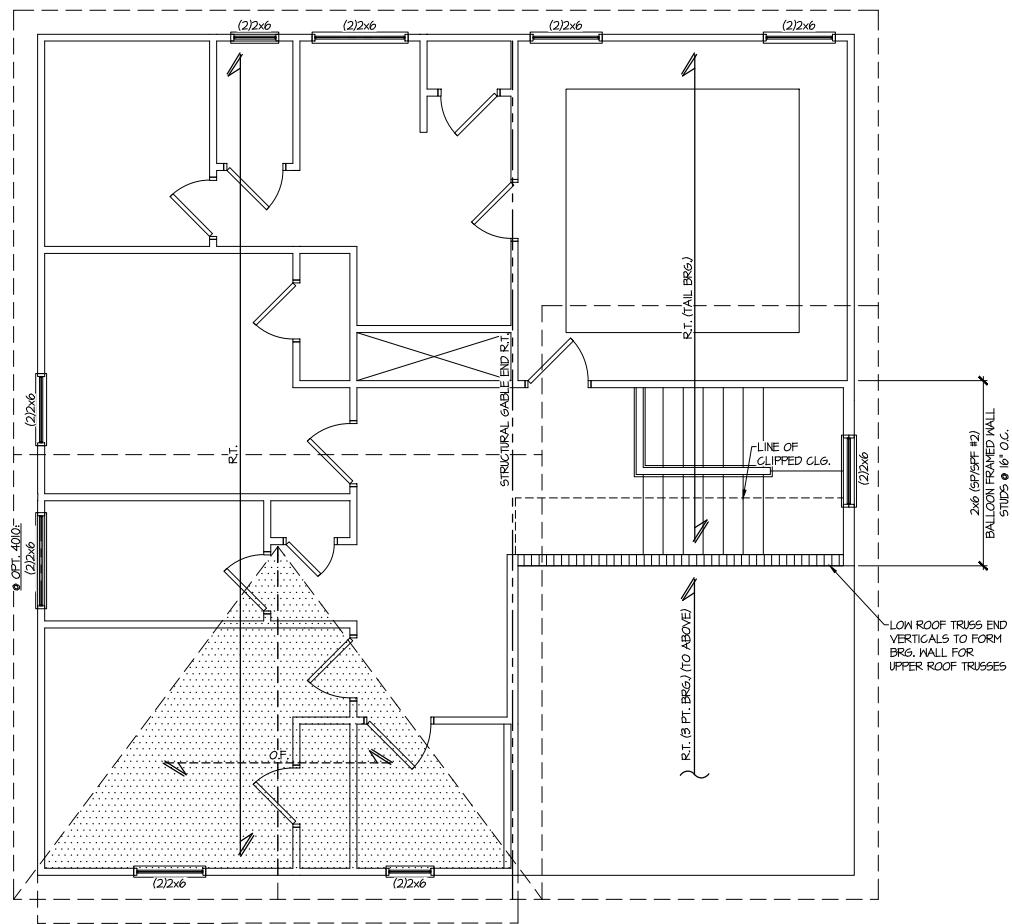
THIS LEVEL HAS BEEN DESIGNED FOR 9'-1" PLATE HEIGHT
 REFER TO S0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

LEGEND

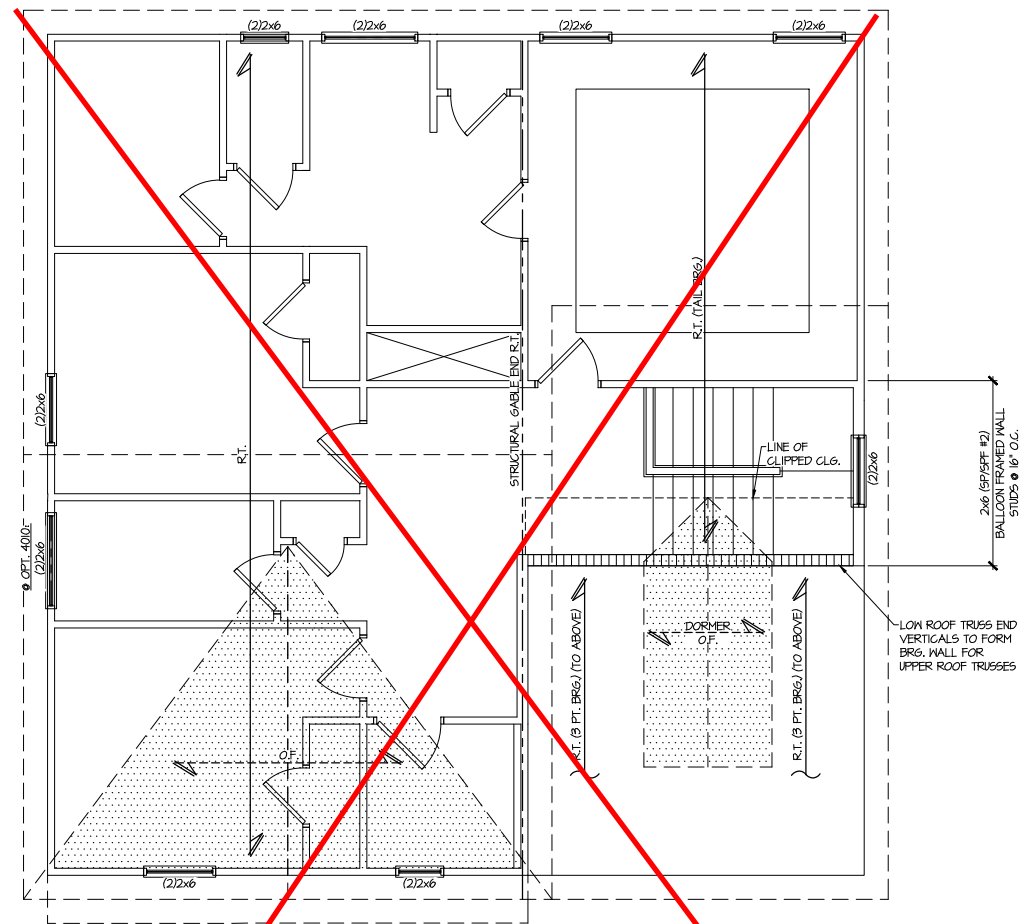
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**BRIARWOOD
 Lot 7**

THIS LEVEL HAS BEEN DESIGNED FOR 9'-1" PLATE HEIGHT
 REFER TO S.O. FOR TYPICAL STRUCTURAL NOTES & SCHEDULES












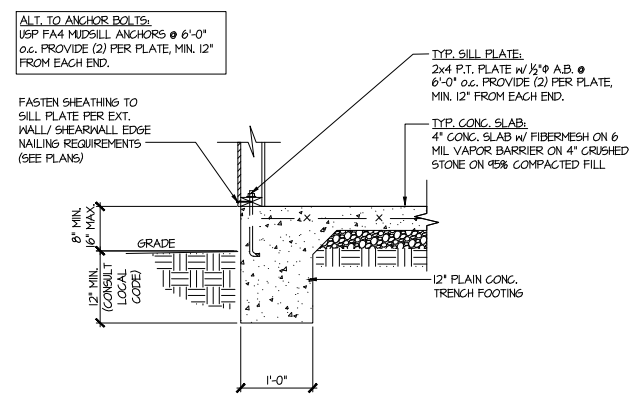
1 ROOF FRAMING PLAN
 SCALE: 1/4"=1'-0" ON 22x34
 1/8"=1'-0" ON 11x17
 ELEV. A
 ELEV. & SIM.



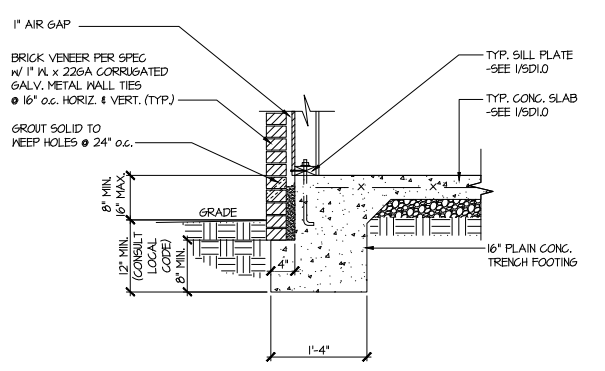
2 ROOF FRAMING PLAN
 SCALE: 1/4"=1'-0" ON 22x34
 1/8"=1'-0" ON 11x17
 ELEV. B

LEGEND

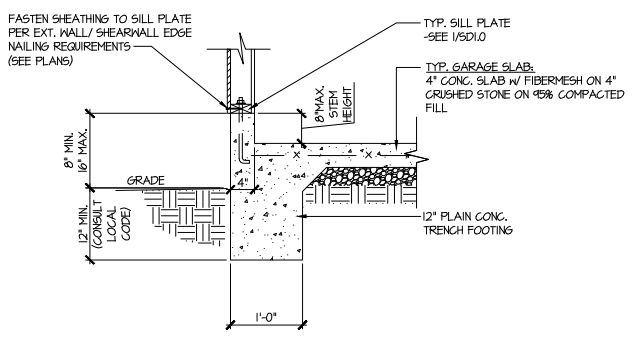
-  R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANIF. (TYP. U.N.O.)
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-  INTERIOR BEARING WALL
-  BEARING WALL ABOVE (B.W.A.)
-  BEAM/HEADER
-  JL METAL HANGER
-  INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



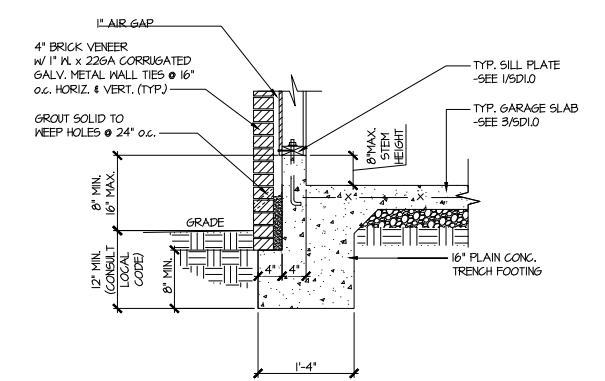
1 TYPICAL SLAB ON GRADE PERIMETER FOOTING



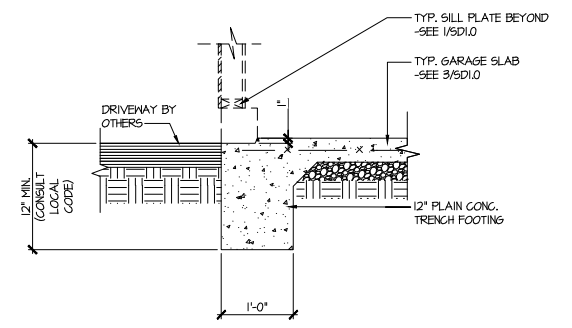
2 TYPICAL SLAB ON GRADE PERIMETER FOOTING w/ BRICK VENEER



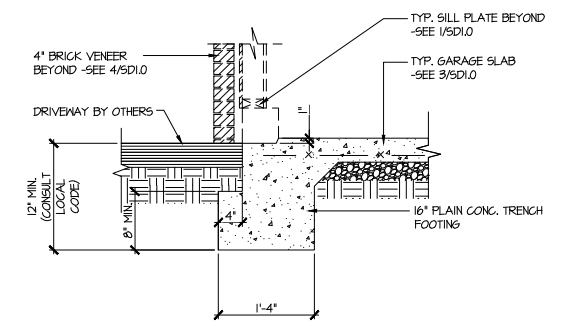
3 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING



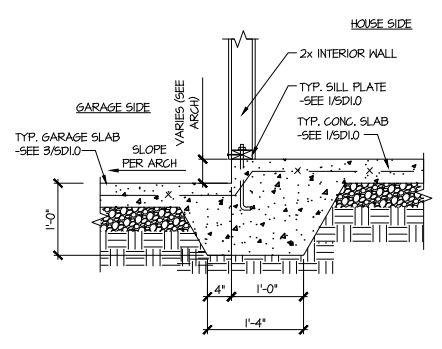
4 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING w/ BRICK VENEER



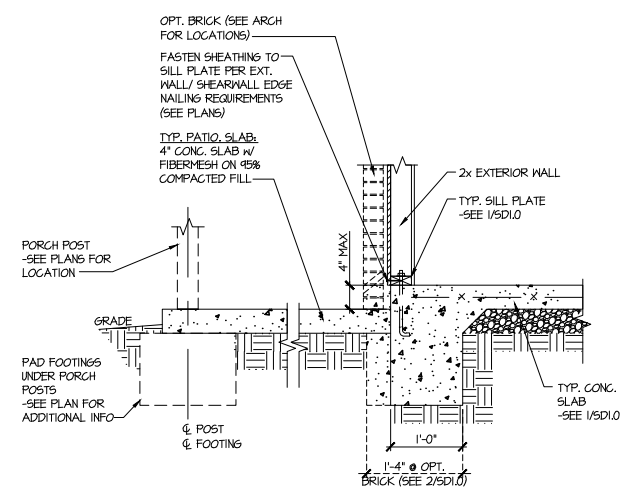
5 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING



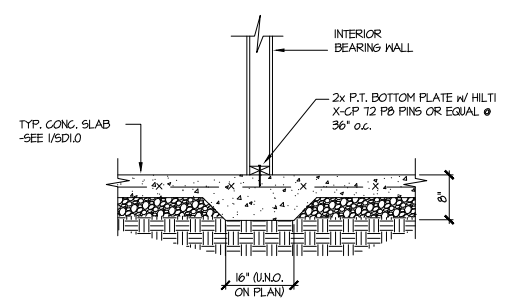
6 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING w/ BRICK VENEER



7 TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING



8 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO



9 TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL

MULHERN+KULP
 RESIDENTIAL STRUCTURAL ENGINEERING
 3025 Shallowford Parkway, Suite 105 - Alpharetta, GA 30022
 770-777-8974 - mulhern@mulhernkulp.com
 NC License # C-3825

Mulhern+Kulp project number:
 256-22017

project mgr: SMK
 drawn by: MRG
 issue date: 12-09-22

REVISIONS:
 date: initial:

SMITH DOUGLAS
 HOMES

FOUNDATION DETAILS
 LAWSON MODEL
 120 MPH WIND ZONE
 NORTH CAROLINA

BRIARWOOD
 Lot 7

sheet:
SD1.0

Mulhern+Kulp project number:
256-22017

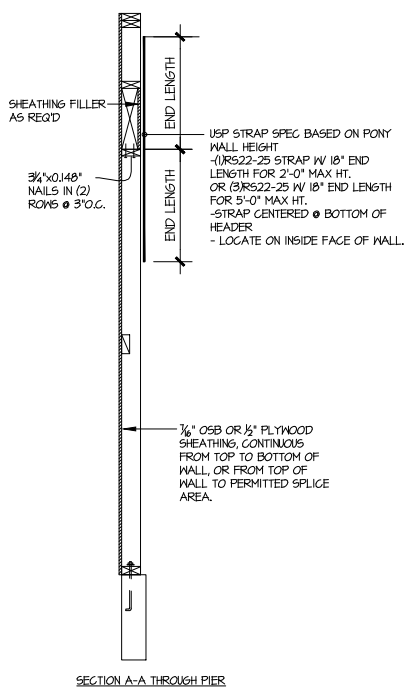
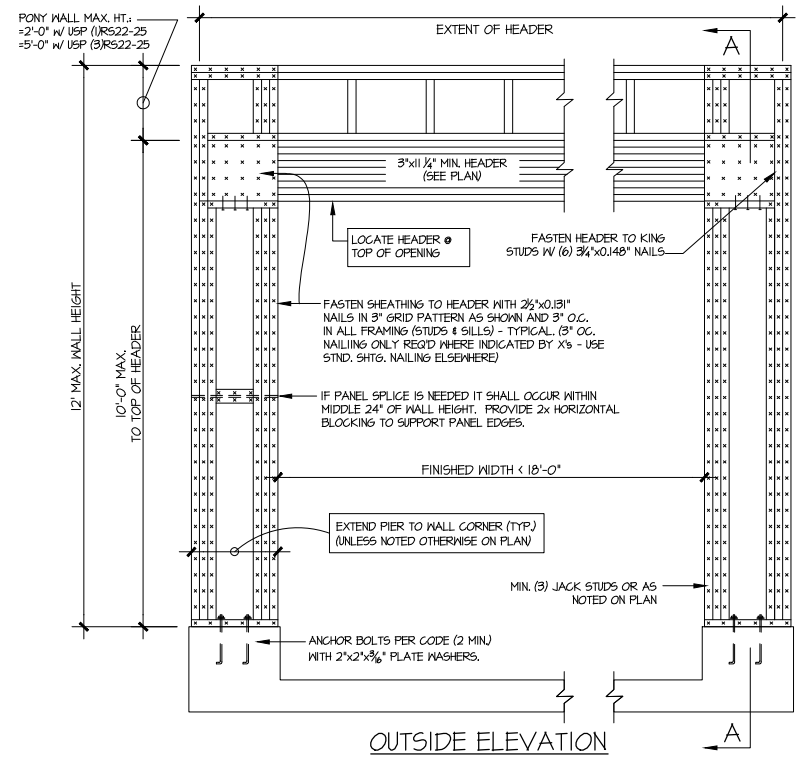
project mgr: **SMK**
 drawn by: **MRG**
 issue date: **12-09-22**

REVISIONS:
 date: initial:

SMITH DOUGLAS
 HOMES

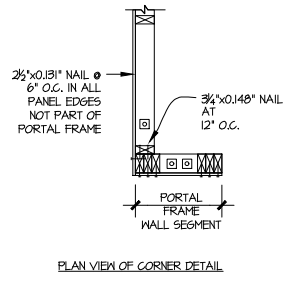
FRAMING DETAILS
LAWSON MODEL
 120 MPH WIND ZONE
 NORTH CAROLINA

BRIARWOOD
 Lot 7

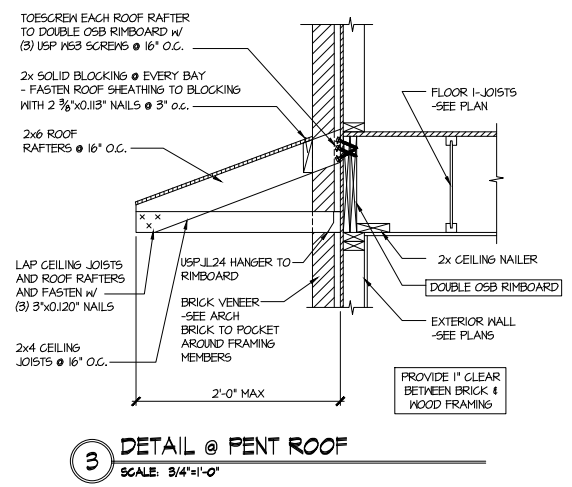
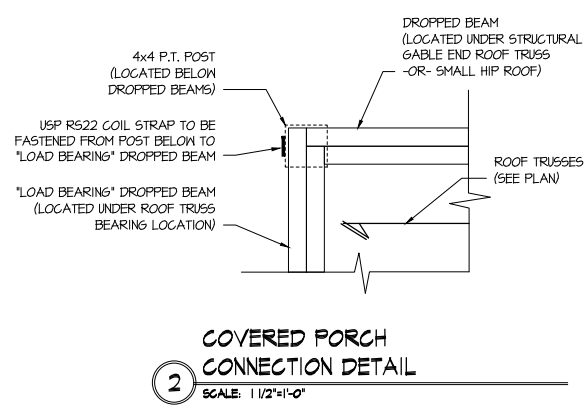
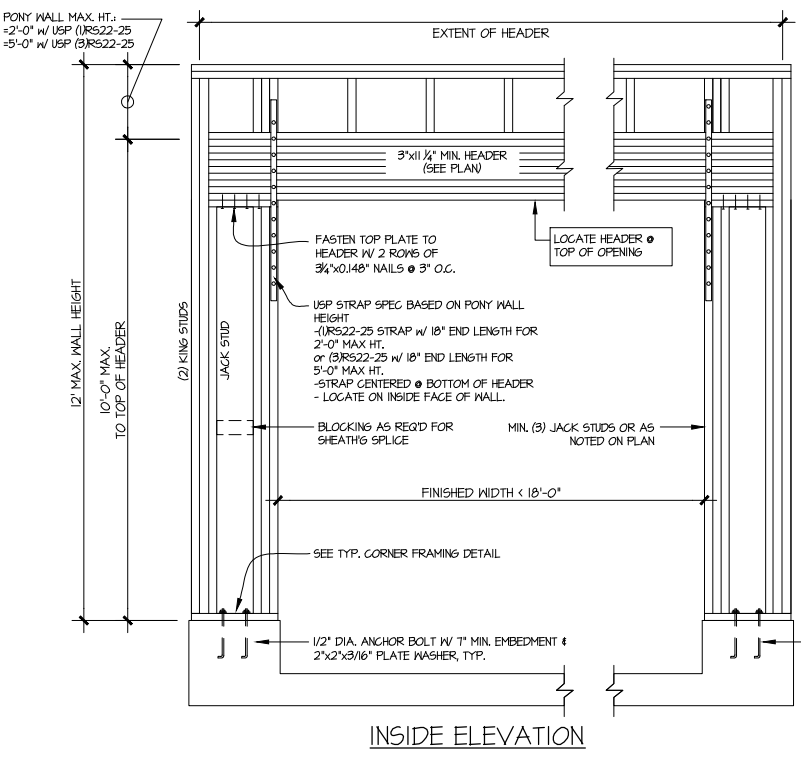


NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 1/4" OSB

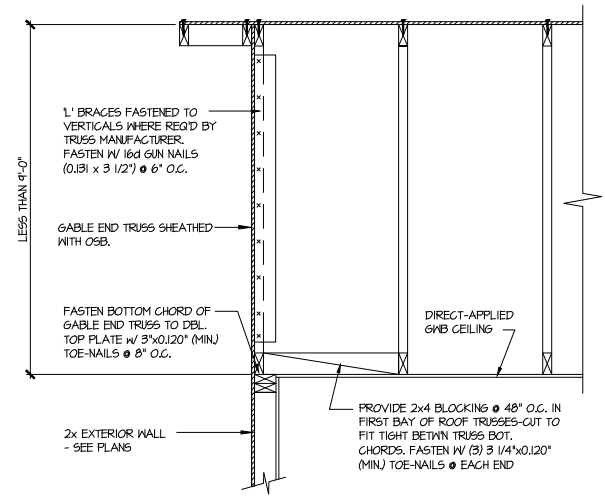
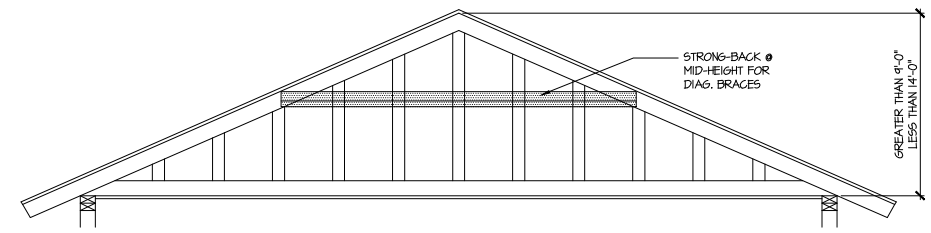
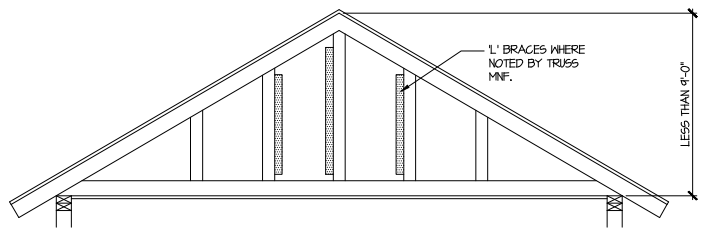
WALL FRAMING SPECIFICATION:
 2x4 WALL: USE SPF #2 GRADE STUDS (OR BETTER)
 2x6 WALL: USE SPF #1 STUD GRADE STUDS (OR BETTER)



ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT:
 (1) 1/2" DIA. THREADED ROD EPOXY SET w/4 1/2" EMBED. (MIN UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL)

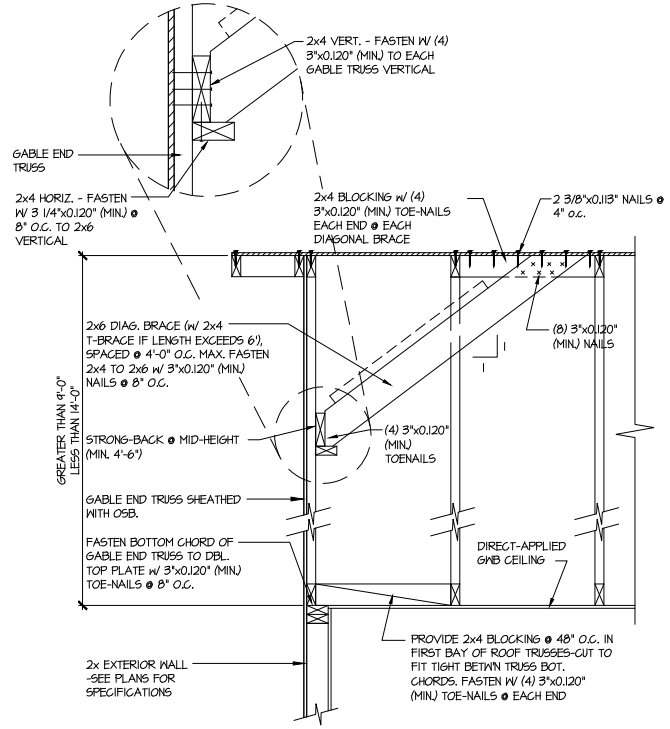


GARAGE PORTAL FRAME BRACING ELEVATION
 SCALE: N.T.S.
 BOTH SIDES OF GARAGE DOOR
 120 MPH WIND SPEED (ULT)



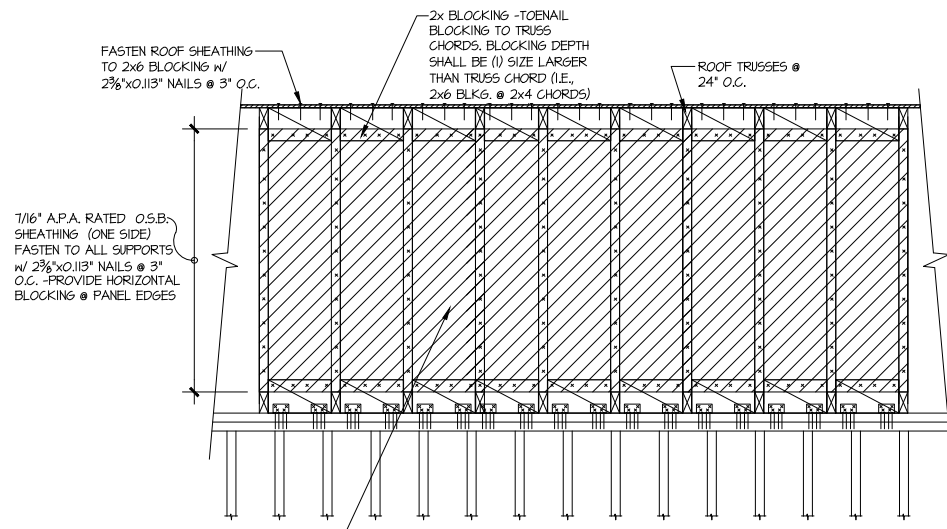
A TYPICAL GABLE END BRACING DETAIL
 SCALE: NONE
 REQ'D @ GABLE END TRUSS
 HEIGHT UP TO 9'-0"

BRACE GABLE END TRUSSES PER ABOVE DETAIL WHEN GABLE HEIGHT IS LESS THAN 9'-0". L' BRACES REQUIRED WHERE NOTED BY TRUSS MANUFACTURER.



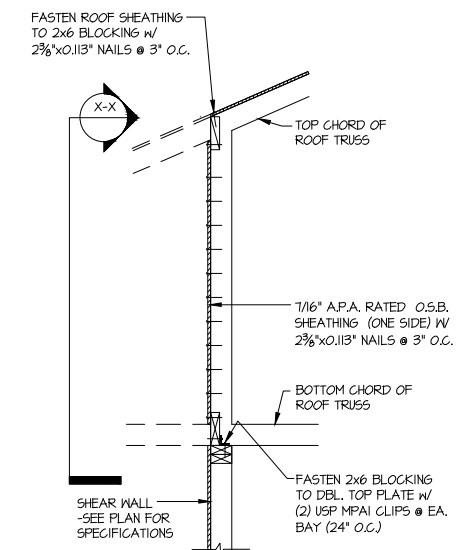
B TYPICAL GABLE END BRACING DETAIL
 SCALE: NONE
 REQ'D @ GABLE END TRUSS
 HEIGHT BETWEEN 9'-0" TO 14'-0"

BRACE GABLE END TRUSSES PER ABOVE DETAIL WHEN GABLE HEIGHT EXCEEDS 9'-0". L' BRACES NOT REQUIRED.



TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL
 SCALE: 3/4"=1'-0"

NOTE TO G.C.'S:
 FOR WALLS LESS THAN 18'-0", RUN BLOCKING & SHEATHING SHOWN CONT. FULL LENGTH OF SHEAR WALL. IF PENETRATIONS ARE REQ'D REMOVE SINGLE BAY ONLY AS NEEDED



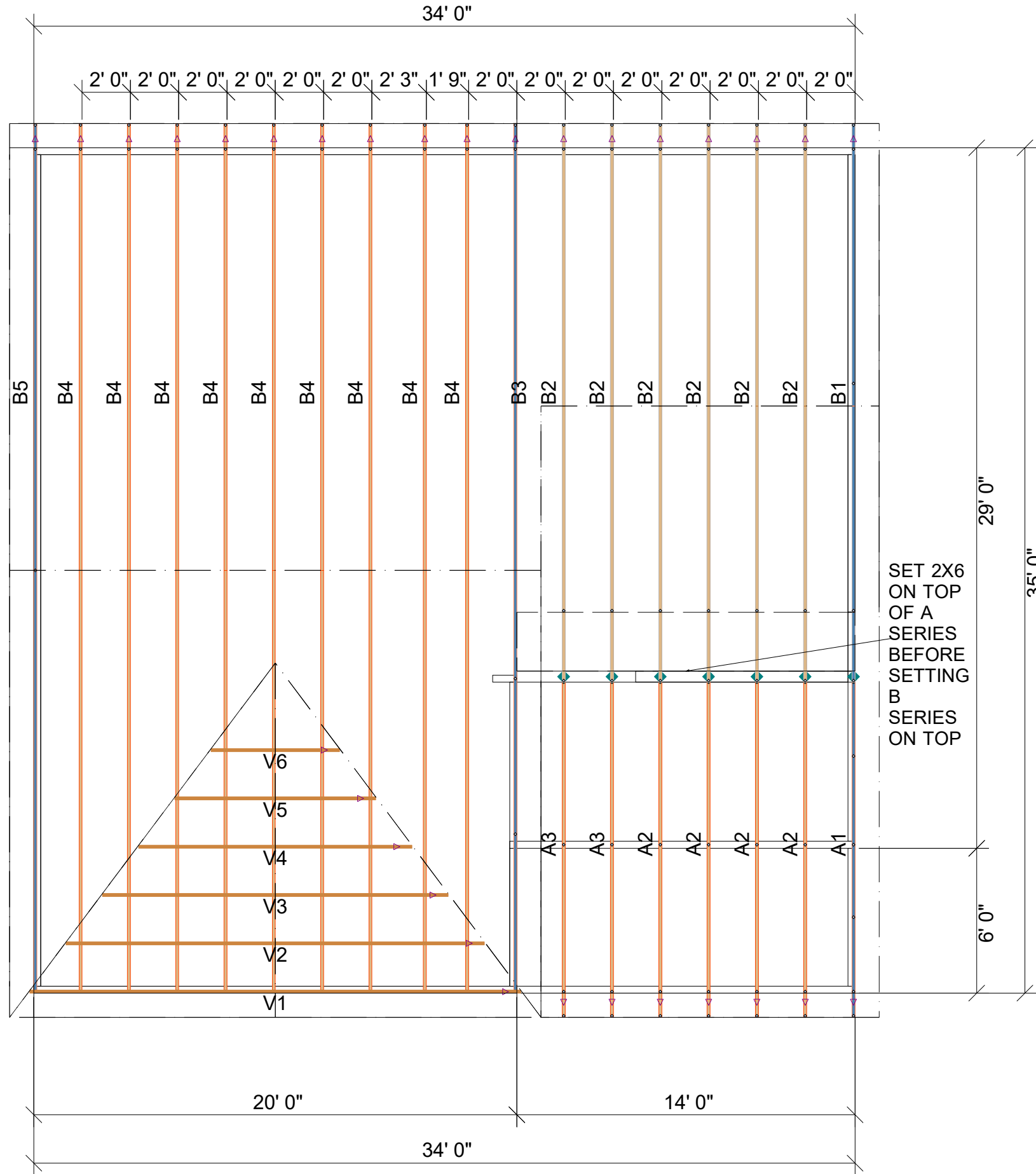
TYPICAL SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL
 SCALE: 3/4"=1'-0"

LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.
 NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.

BRIARWOOD
 Lot 7

THIS IS A TRUSS PLACEMENT DIAGRAM (TPD) ONLY; NOT AN ENGINEERED DOCUMENT. Trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual truss design drawings (TDD's) for each truss design identified on the TPD. The Contractor is responsible for the temporary bracing of the roof and floor system, and requirements for the permanent restraint/bracing of truss systems may be met by following the methods outlined in ANSI-TPI 1-2014 - 2.3.3. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. For general guidance regarding installation and bracing, consult "Building Component Safety Information" (BCSI) available from the SBC Association (www.sbcassociation.com). It is the responsibility of the General Contractor to verify that the provided component layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to notify UFP and provide plans containing the latest specifications and designs. UFP will not be responsible for plan changes by others after final approval of shop drawings, or for errors or modifications made on-site during construction. DO NOT CUT, NOTCH, DRILL, OR OTHERWISE "REPAIR" MANUFACTURED TRUSSES IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION BY A LICENSED PROFESSIONAL DESIGNATED BY UFP. The Framing is responsible to verify all dimensions, including adjusting member spacing within tolerances to allow for the drop and rise of plumbing/HVAC, unless noted otherwise. Truss-to-wall connections, if shown, are for uplift only and do not consider lateral loads. All connectors on this project are to be installed per the connector manufacturer's specifications. All connectors shown that are not truss-to-truss are suggestions only and are to be verified by the Building Designer or Engineer of Record for suitability to this particular project. UFP accepts no responsibility for the specific application or suitability of any connector that is not truss-to-truss as they apply to this specific structure.

PLACEMENT PLAN

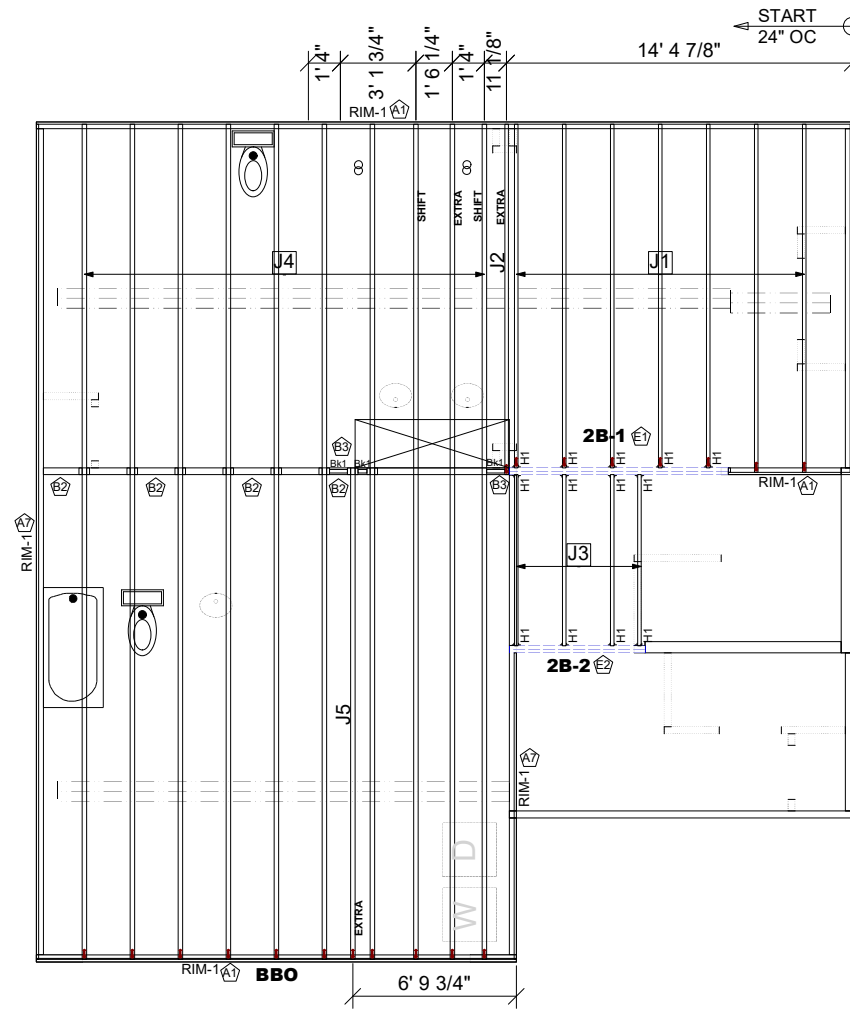
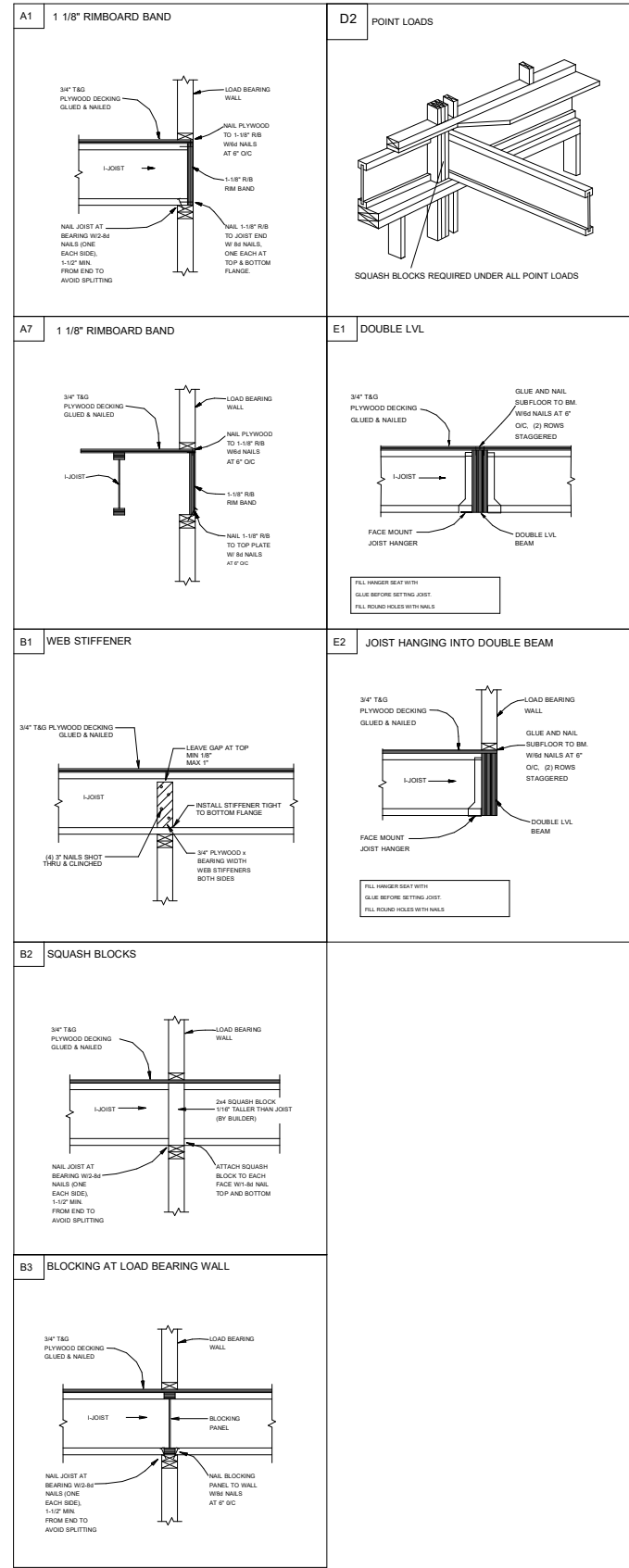


△ INDICATES LEFT END OF TRUSS SCALE: N.T.S

ROOF AREA: 1532.44 ft ² sqft	RIDGE LINE: 50.67 ft	VALLEY LINES: 39.49 ft	HIP LINES: 0 ft	<small>THESE VALUES ARE APPROXIMATE ONLY</small>																																				
LAWSON ADG		SD																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> <th>DSN</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th></th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>					REVISIONS		DSN	DATE	DESCRIPTION																															
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UFP SITE BUILT A UFP INDUSTRIES COMPANY Burlington, NC Locust, NC Chesapeake, VA Liberty, NC Clinton, NC Ooltewah, TN Conway, SC Pearisburg, VA Jefferson, GA Stanfield, NC Customer Service (800) 476-9356																																								

THIS IS AN ENGINEERED WOOD PRODUCT (EWP) MEMBER PLACEMENT DIAGRAM ONLY; NOT AN ENGINEERED DOCUMENT. EWP members are designed as individual building components to be incorporated into the building design at the specification of the building designer. The Contractor is responsible for the temporary bracing of the floor system, and the building designer is responsible for the permanent bracing and blocking of the floor system and the overall structure. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. It is the responsibility of the General Contractor to verify that the provided layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to notify UFP and provide plans containing the latest specifications and designs. UFP will not be responsible for plan changes by others after final approval of shop drawings, or for errors or modifications made on-site during construction. DO NOT CUT, NOTCH, DRILL, OR OTHERWISE "REPAIR" EWP MEMBERS IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION BY A LICENSED PROFESSIONAL DESIGNATED BY UFP. The Framers are responsible to verify all dimensions, including adjusting member spacing within tolerances to allow for the drop and rise of plumbing/HVAC, unless noted otherwise. All connectors on this project are to be installed per the connector manufacturer's specifications. All connectors shown that are not joist to joist are suggestions only and are to be verified by the Building Designer or Engineer of Record for suitability to this specific application or suitability of any connector that is not joist to joist as they apply to this specific structure.

2ND FLOOR PLACEMENT PLAN



Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
J1	15' 0"	14" TJI@ 110	1	7	MFD
J2	15' 0"	14" TJI@ 110	1	1	MFD
J3	8' 0"	14" TJI@ 110	1	4	MFD
J4	35' 0"	14" TJI@ 360	1	10	MFD
J5	21' 0"	14" TJI@ 360	1	1	MFD
2B-1	10' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD
2B-2	6' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD
RIM-1	16' 0"	1 1/8" x 14" TJI® Rim Board	1	8	MFD
Bk1	2' 0"	14" TJI@ 110	1	3	MFD

Connector Summary			
PlotID	Qty	Manuf	Product
H1	13	MiTek	IHF1714

- GENERAL NOTES:**
- 1.) TOP CHORD OF JOISTS ARE PAINTED RED AT NUMBERED END. PLACE PAINTED END AS NOTED ON PLAN.
 - 2.) FOLLOW SPECIAL SPACING AND LOCATION DIMENSIONS FOR EXTRAS OR SHIFTED JOISTS AS SHOWN ON PLAN.
 - 3.) ALL INTERIOR WALL PLATES MUST BE LEVEL WITH OUTSIDE WALL TOP PLATES.
 - 4.) DO NOT STACK CONSTRUCTION LOADS ON UN-BRACED JOISTS.
 - 5.) PROVIDE SOLID SUPPORT BELOW ALL BEAM AND HEADER BEARING POINTS IN WALL AND JOIST SPACES CONTINUOUS DOWN TO THE FOUNDATION.
 - 6.) LOCATE CRIPPLE STUDS IN JOIST SPACE DIRECTLY BELOW HEADER JACKS AT ALL FIRST FLOOR EXTERIOR DOOR LOCATIONS.
 - 7.) INSTALL NAILS IN ALL HOLES PROVIDED IN JOIST HANGERS EXCEPT AT BOTTOM CHORD SEAT. PLACE A DAB OF GLUE IN THE HANGER SEAT BEFORE SETTING JOISTS.
 - 8.) IMPORTANT NOTE! NO STRUCTURAL ANALYSIS OF CONVENTIONAL HEADERS HAS BEEN CONDUCTED IF NOT NOTED. THEY ARE CONSIDERED TO BE ADEQUATE TO SUPPORT THE APPLIED LOADS.

FRAMER NOTE
 --- DENOTES DUCT HOLE RUNS

ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED

- Avoid Plumbing Drops

FRAMER NOTE
 1. GLUE AND NAIL PLYWOOD SUBFLOOR TO BEAMS AND GIRDERS AT 6" O/C WHERE NO WALL IS ABOVE.
 2. FILL HANGER SEAT WITH GLUE BEFORE SETTING JOIST IN HANGER. FILL ROUND HOLES WITH NAILS.

CRITICAL !!
 INSTALL 2X4 SQUASH BLOCKS IN FLOOR TRUSS SPACE BELOW ALL EXTERIOR DOOR HEADER JACKS. CUT 1/16" TALLER THAN TRUSS.

FIELD VERIFY DIMENSIONS TO JOISTS LOCATED UNDER WALLS!!
2ND FLOOR LAYOUT

PLAN LEGEND

1B-, 2B- INDICATES BEAM ABOVE TOP PLATE (FLUSH WITH FLOOR SYSTEM)
H-, 1H-, GDH- INDICATES BEAM BELOW TOP PLATE (DROPPED BELOW FLOOR SYSTEM)
 *BEAMS MAY PROTRUDE ABOVE OR BELOW DECKING OR TOP PLATE RESPECTIVELY, REFER TO DETAIL IF BEAM IS A DIFFERENT DEPTH THAN FLOOR SYSTEM

SINGLE PLY BEAM (ADD LINE FOR EACH ADDITIONAL PLY)
SHIFT SHIFT JOIST TO MISS PLUMBING. ALIGN WITH WALL OR SUPPORT FURNITURE.
EXTRA A JOIST ADDED TO THE LAYOUT IN ADDITION TO THE ON CENTER JOISTS
DOUBLE TWO JOISTS SIDE BY SIDE (ONLY ASSEMBLED IF NOTED)

FIELD TRIM NON RED END TO KEEP HOLES ALIGNED
CONTAR EL LADO DE SIN MARCA ROJA PARA HOYOS ALINEADOS

FIELD LOCATE PLUMBING DROPS/CAN LIGHTS, ETC... PRIOR TO JOIST SECUREMENT TO AVOID INTERFERENCE.

LAYOUT FOR 19.2" O/C

1= 19-3/16"	9= 172-13/16"
2= 38-3/8"	10= 192"
3= 57-5/8"	11= 211-3/16"
4= 76-13/16"	12= 230-3/8"
5= 96"	13= 249-13/16"
6= 115-3/16"	14= 268-13/16"
7= 134-3/8"	15= 288"
8= 153-5/8"	

REVISIONS	DATE	DESCRIPTION	DSN

DESIGNER PB2
 LAYOUT DATE 10/25/2024
 ARCH DATE 5/10/2024
 STRUC DATE 9/15/2023
 JOB #: 24102003F2

SCALE: 1/8"=1'

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Smith Douglas Homes

Lawson 2nd Floor