

# TORINO 2020

## Right Hand Garage Version 19.1



500 Stonehenge Parkway  
Dublin, OH 43017

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THESE DRAWINGS SHALL BE USED IN CONFORMANCE WITH ALL LOCAL BUILDING, MECHANICAL, PLUMBING AND ELECTRICAL CODES AND SHALL MEET THE REQUIREMENTS OF THE HEALTH DEPARTMENT, FIRE MARSHALL, AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), THE FAIR HOUSING ACT ACCESSIBILITY GUIDELINES (FHAAG), AND SHALL BE CONSTRUCTED IN CONFORMANCE WITH STATE AND LOCAL ENERGY REQUIREMENTS.

PROJECT TITLE:

**TORINO 2020**

**CONSTRUCTION SET**

LOT 997 -  
CARRIAGE  
GLEN @  
ANDERSON  
CREEK  
06.14.2021

SHEET TITLE:

**COVER SHEET**

PRINT DATE:

10.21.2020

SHEET NO:

**T-1**

ABBREVIATIONS	INDEX
ABV ABOVE	L LENGTH
AC AIR CONDITIONING	LA LAUNDRY
A.D. AREA DRAIN	LAV LAVATORY
ADJ ADJUSTABLE	LVR LOUVER
ALT ALTERNATE	MAX MAXIMUM
ALUM ALUMINUM	MECH MECHANICAL
BA BATHROOM	MFR MANUFACTURER
BD BOARD	MIN MINIMUM
BF BI-FOLD (DOOR)	MISC MISCELLANEOUS
BLDG BUILDING	N NORTH
BLK BLOCK (CMUs)	N.T.S. NOT TO SCALE
BLW BELOW	O.G.D. OVERHEAD GARAGE DOOR
BM BEAM	OH OVERHEAD
BP BI-PASS (DOOR)	OP OPTIONAL
BOT BOTTOM	PAR PARALLEL
BTWN BETWEEN	P.B. PUSH BUTTON
CAB CABINET	PDR POWDER
CER CERAMIC	PEF PEDESTAL
C.J. CONTROL JOINT OR CONSTRUCTION JOINT	PL PLATE
CL CLOSET OR CENTER LINE	PR PAR
CLG CEILING	P.T. PRESSURE TREATED WOOD
CMU CONCRETE MASONRY UNIT	PVC POLYVINYL CHLORIDE PIPE
COL COLUMN	PVMT PAYMENT
CONC CONCRETE	P.W. PRE-WIRE
CR CARPET	PWD PLYWOOD
CRS CORROSION RESISTANT	RAP RETURN AIR GRILL
CSMT CASEMENT	REF REFERENCE
C.T. CERAMIC TILE	REFR REFRIGERATOR
D DRYER	REQ REQUIRED
DBL DOUBLE	S SOUTH
DH DOUBLE HUNG	SD SMOKE DETECTOR
DIM DIMENSION	SH SINGLE HUNG OR SHELF
DISP DISPOSAL	S.G.D. SLIDING GLASS DOOR
DN DOWN	SIM SIMILAR
DR DOOR	SLP SLOPE / SLIDING
DS DOWNSPOUT	SPC SPOKE
DW DISH WASHER	SPEC SPECIFICATIONS
DWG DRAWING	STD STANDARD
EA EACH	STR STRUCTURAL
ELEV ELEVATION	SQ SQUARE
ELC ELECTRICAL	SVM SYMBOL
EQ EQUAL	SWS SMOOTH FOUR SIDES
EXT EXTERIOR	T TREAD (AT STAIRS) OR TILE
FAU FORCED AIR UNIT	T.B. TOWEL BAR
F.C. FLOOR CHANGE	TEMP TEMPERED (GLASS)
F.D. FLOOR DRAIN	T&G TONGUE & GROOVE
F.F. FINISH FLOOR LINE	T.O.C. TOP OF CURB
F.G. FINISHED GRADE	TV TELEVISION
FLR FLOORING	TYP TYPICAL
FL FLOURESCENT (LIGHT)	U.N.O. UNLESS NOTED OTHERWISE
FND FOUNDATION	V.B. VAPOR BARRIER
F.O.S. FACE OF STUD	VERT VERTICAL
FTG FOOTING	V.T.R. VENT THRU ROOF
FX FUSED GLASS	W WASHING MACHINE
GALV GALVANIZED	W.WOOD
GAR GARAGE	WDW WINDOW
G.B. GYPSUM BOARD	WH WATER HEATER
GD GRADE OR GRADING	WI WROUGHT IRON
G.D.O. GARAGE DOOR OPENER	WIC WALK-IN CLOSET
GIP GARAGE FLOOR FALL INTERRUPTER	W.WO WITH OR WITHOUT
GL GLASS OR GLAZING	WP WATERPROOFING
GYP GYPSUM BOARD	WWM WELDED WIRE MESH
HD HEAD OR HARD	R PROPERTY LINE
HDR HEADER	O ROUND / DIAMETER
HGT HEIGHT	& AND
HVAC HEATING/VENTILATING/AIR COND.	Q CENTERLINE
HWD HARDWOOD	# POUND / NUMBER
INT INTERIOR	
JST JOIST	
JT JOINT	
KIT KITCHEN	

BUILDING CODE COMPLIANCE / PROJECT INFORMATION
ALL CONSTRUCTION TO COMPLY WITH LOCAL CODES AND ORDINANCES CURRENTLY IN USE WITH THE LOCAL JURISDICTION.
APPLICABLE CODES: FOLLOW ALL APPLICABLE STATE AND LOCAL CODES. 2018 NORTH CAROLINA RESIDENTIAL CODE
CONTRACTOR AND BUILDER SHALL REVIEW ENTIRE PLAN TO VERIFY CONFORMANCE WITH ALL CURRENT APPLICABLE CODES IN EFFECT AT TIME OF CONSTRUCTION. BY USING THESE DRAWINGS FOR CONSTRUCTION IT IS UNDERSTOOD THAT CONFORMANCE WITH ALL APPLICABLE CODES IS THE RESPONSIBILITY OF THE BUILDER AND CONTRACTOR.
PRODUCT: SINGLE FAMILY RESIDENCE
OCCUPANCY CLASSIFICATION RESIDENTIAL R-3
CONSTRUCTION TYPE: TYPE VB

GENERAL NOTES:
CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE AND ALL INCONSISTENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DEVELOPER BEFORE PROCEEDING WITH WORK. ANY ERRORS OR OMISSIONS FOUND IN THESE DRAWINGS SHALL BE BROUGHT TO DEVELOPERS ATTENTION IMMEDIATELY. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. ALL DIMENSIONS ARE TO FACE OF STUD OR TO FACE OF FRAMING UNLESS OTHERWISE NOTED. ALL TRUSS DRAWINGS TO BE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO ISSUANCE OF BUILDING PERMIT. ALL OR EQUAL SUBSTITUTIONS MUST BE SUBMITTED TO AND APPROVED BY CITY BUILDING OFFICIAL PRIOR TO INSTALLATION. ALL ANGLED PARTITIONS ARE 45 DEGREES UNLESS OTHERWISE NOTED. PROVIDE FIREBLOCKING. (PER LOCAL CODES.) ALL ELECTRICAL AND MECHANICAL EQUIPMENT AND METERS ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS. CONTRACTOR TO VERIFY.
PROVIDE BLOCKING AND/OR BACKING AT ALL TOWEL BAR, TOWEL RING AND/OR TOILET PAPER HOLDER LOCATIONS, AS SHOWN PER PLAN. TYPICAL AT ALL BATHROOMS AND POWDER ROOMS. VERIFY LOCATIONS AT FRAMING WALK. ELASTOMERIC SHEET WATERPROOFING: FURNISH AND INSTALL ALL WATERPROOFING COMPLETE. A 40 MIL SELF-ADHERING MEMBRANE OF RUBBERIZED ASPHALT INTEGRALLY BONDED TO POLYETHYLENE SHEETING, OR EQUAL. INSTALL PER MANUFACTURER'S AND TRADE ASSOCIATIONS PRINTED INSTALLATION INSTRUCTIONS. 6" MINIMUM LAP AT ALL ADJACENT WALL SURFACES. TO THE BEST OF THE DESIGNER'S KNOWLEDGE THESE DOCUMENTS ARE IN CONFORMANCE WITH THE REQUIREMENTS OF THE BUILDING AUTHORITIES HAVING JURISDICTION OVER THIS TYPE OF CONSTRUCTION AND OCCUPANCY. SHOP DRAWING REVIEW AND DISTRIBUTION, ALONG WITH PRODUCT SUBMITTALS, REQUESTED IN THE CONSTRUCTION DOCUMENTS, SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR, UNLESS DIRECTED OTHERWISE UNDER A SEPARATE AGREEMENT. DEVIATIONS FROM THESE DOCUMENTS IN THE CONSTRUCTION PHASE SHALL BE REVIEWED BY THE DESIGNER AND THE OWNER PRIOR TO THE START OF WORK IN QUESTION. ANY DEVIATIONS FROM THESE DOCUMENTS WITHOUT PRIOR REVIEW, SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS REPRESENTED ON THESE DOCUMENTS INCLUDING THE WORK AND MATERIALS FURNISHED BY SUBCONTRACTORS AND VENDORS.

BUILDER SET:
THE OWNER SHALL FURNISH ANY AND ALL REPORTS RECEIVED FROM THE GEOTECHNICAL ENGINEER (SOILS REPORT), ON THE STUDY OF THE PROPOSED SITE, TO THE DESIGNER, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR. IN THE EVENT THE GEOTECHNICAL REPORTS DO NOT EXIST, THE SOILS CONDITION SHALL BE ASSUMED TO BE A MINIMUM DESIGN SOIL PRESSURE STATED BY THE STRUCTURAL ENGINEER OF RECORD FOR THE PURPOSE OF STRUCTURAL DESIGN. GENERAL CONTRACTOR SHALL ASSURE THE SOIL CONDITIONS MEET OR EXCEED THE CRITERIA. ALL WORK PERFORMED BY THE GENERAL CONTRACTOR SHALL COMPLY AND CONFORM WITH LOCAL AND STATE BUILDING CODES, ORDINANCES AND REGULATIONS, ALONG WITH ALL OTHER AUTHORITIES HAVING JURISDICTION. THE GENERAL CONTRACTOR IS RESPONSIBLE TO BE AWARE OF THESE REQUIREMENTS AND GOVERNING REGULATIONS. PROVIDE AN APPROVED WASHER DRAIN PAN AT SECOND FLOOR ONLY THAT DRAINS TO EXTERIOR. WINDOW SUPPLIER TO VERIFY AT LEAST ONE WINDOW IN ALL BEDROOMS TO HAVE A CLEAR OPENABLE AREA OF 4.0 SQ FT. THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 22" AND THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20". GLAZING TOTAL AREA OF NOT LESS THAN 5.0 SQ FT IN THE CASE OF A GROUND WINDOW AND NOT LESS THAN 5.7 SQ FT IN THE CASE OF AN UPPER STORY WINDOW. (PER NCRC SECTION R310.2.1) ALL HANDRAIL BALLUSTERS TO BE SPACED SUCH THAT A 4" SPHERE CANNOT PASS BETWEEN BALLUSTERS. (PER LOCAL CODES.) PROVIDE STAIR HANDRAILS AND GUARDRAILS PER LOCAL CODES.

ELEV. 'CLASSIC' AREA	
Name	Area
FIRST FLOOR	1927 SF
HEATED	1927 SF
GARAGE	541 SF
PATIO/DECK	356 SF
PORCH	69 SF
UNHEATED	965 SF

AREA OPTIONS	
Name	Area
OPT. SITTING ROOM	146 SF
HEATED	146 SF
<del>OPT. COVERED</del>	<del>199 SF</del>
<del>PATIO/DECK</del>	<del>356 SF</del>
<del>PATIO/DECK W/ COV.</del>	<del>159 SF</del>
<del>PATIO/DECK</del>	<del>69 SF</del>
<del>UNHEATED</del>	<del>950 SF</del>

ALL WINDOWS WHOSE OPENING IS LESS THAN 24" ABOVE THE FINISH FLOOR AND WHOSE OPENING IS GREATER THAN 72" ABOVE THE FINISHED GRADE OR SURFACE BELOW MUST HAVE WINDOW OPENING CONTROL DEVICES COMPLYING WITH THE NORTH CAROLINA RESIDENTIAL CODE SECTION R312.2. WINDOW FALL PROTECTION IS NOT REQUIRED IF PROJECT IS BUILT IN SOUTH CAROLINA. PER SOUTH CAROLINA 2015 IRC MODIFICATION SECTION R312.2 WINDOW FALL PROTECTION DELETED IN SOUTH CAROLINA.

**NOTES:**

-GRADE CONDITIONS MAY VARY FOR INDIVIDUAL SITE FROM THAT SHOWN. BUILDER SHALL VERIFY AND COORDINATE PER ACTUAL SITE CONDITIONS.

-WINDOW HEAD HEIGHTS:  
1ST FLOOR = 8'-0" U.N.O. ON ELEVATIONS  
2ND FLOOR = 7'-0" U.N.O. ON ELEVATIONS  
3RD FLOOR = 7'-0" U.N.O. ON ELEVATIONS.

-ROOFING: PITCHED SHINGLES PER BUILDER. INSTALL ALL LOW SLOPE ROOFING IN ACCORDANCE WITH R905 AND MANUFACTURERS SPECS.

-WINDOWS: MANUFACTURER PER BUILDER. DIVIDED LITES AS SHOWN ON THE EXTERIOR ELEVATIONS

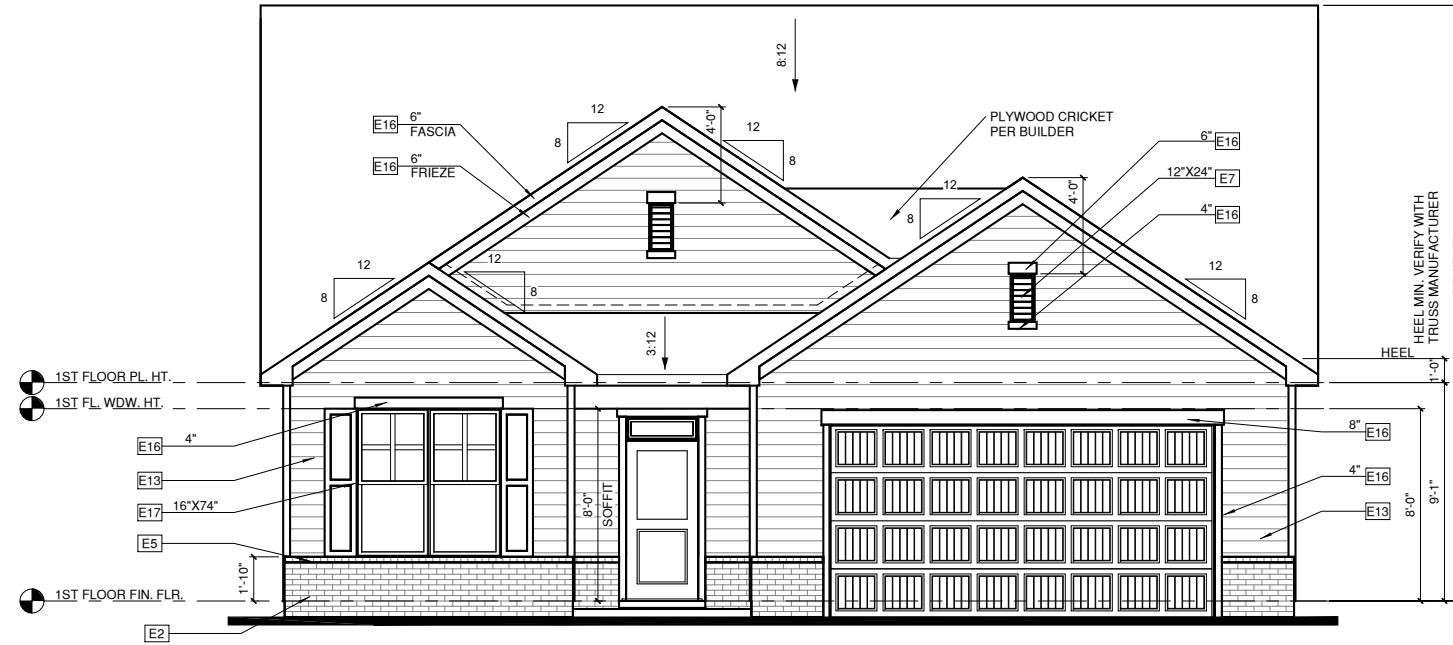
-ENTRY DOOR: AS SELECTED BY BUILDER

-CHIMNEY AS OCCURS: TOP OF CHIMNEYS TO BE A MINIMUM OF 24" ABOVE ANY ROOF WITHIN 10'-0" OF CHIMNEY.

-ALL EXTERIOR MATERIALS TO BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

**ELEVATION KEYNOTE LEGEND**

E1	ADHERED STONE VENEER AS SELECTED BY DEVELOPER, HEIGHT AS NOTED
E2	MASONRY FULL BRICK AS SELECTED BY DEVELOPER, HEIGHT AS NOTED
E5	ROWLOCK COURSE
E7	CORROSION RESISTANT SCREEN LOUVERED VENTS, SIZE AS NOTED
E9	CORROSION RESISTANT ROOF TO WALL FLASHING, CODE COMPLIANT FLASHING MUST BE INSTALLED AT ALL ROOF/WALL INTERSECTIONS
E12	FIBER CEMENT SHAKE SIDING PER DEVELOPER W/ 5/4x4 CORNER TRIM BOARDS
E13	FIBER CEMENT LAP SIDING PER DEVELOPER W/ 5/4x4 CORNER TRIM BOARDS
E15	FIBER CEMENT PANEL SIDING W/ 1X3 BATTS AT 12" O.C. (VINYL BOARD AND BATTEN SIDING)
E16	5/4X FIBER CEMENT TRIM OR 5/4X WOOD TRIM W/ VINYL CAP OR COIL STOCK, SIZE AS NOTED (SIZES SHOWN ARE NOMINAL WIDTHS)
E17	FALSE WOOD SHUTTERS, TYPE AS SHOWN, SIZE AS NOTED



**FRONT ELEVATION 'CLASSIC'**

1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT



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**TORINO 2020**

**CONSTRUCTION SET**

LOT 997 -  
CARRIAGE  
GLEN @  
ANDERSON  
CREEK  
06.14.2021

SHEET TITLE:

**FRONT  
ELEVATIONS  
'CLASSIC'**

PRINT DATE:

10.21.2020

SHEET NO:

**1.2.1**

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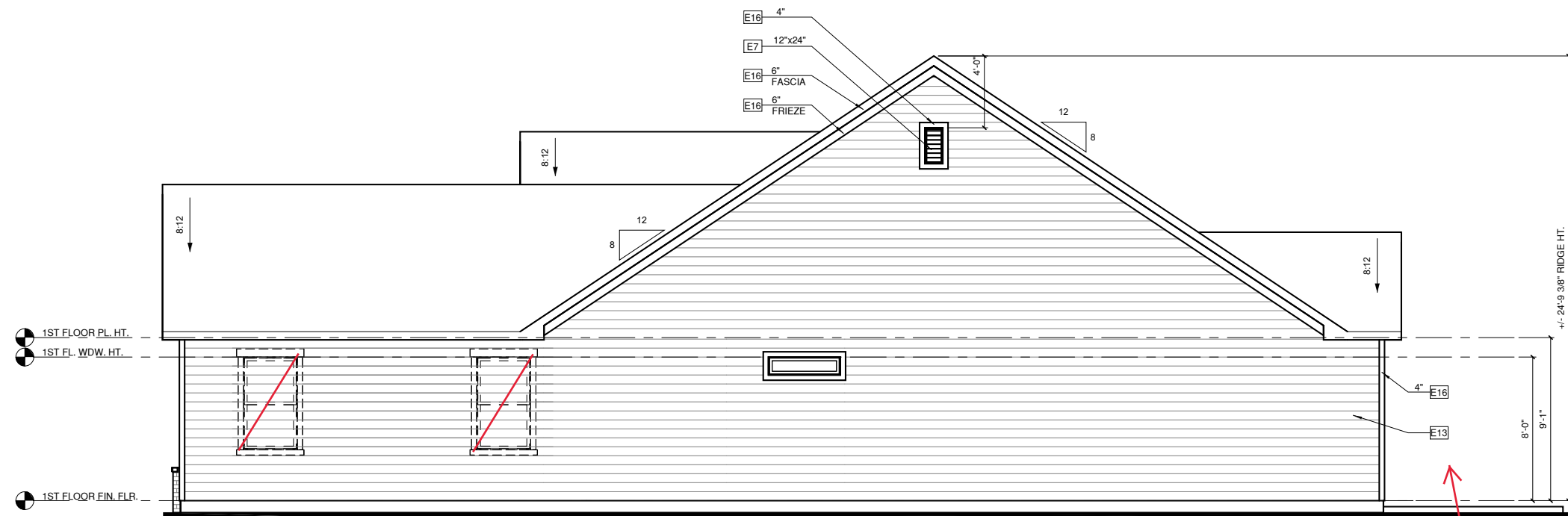
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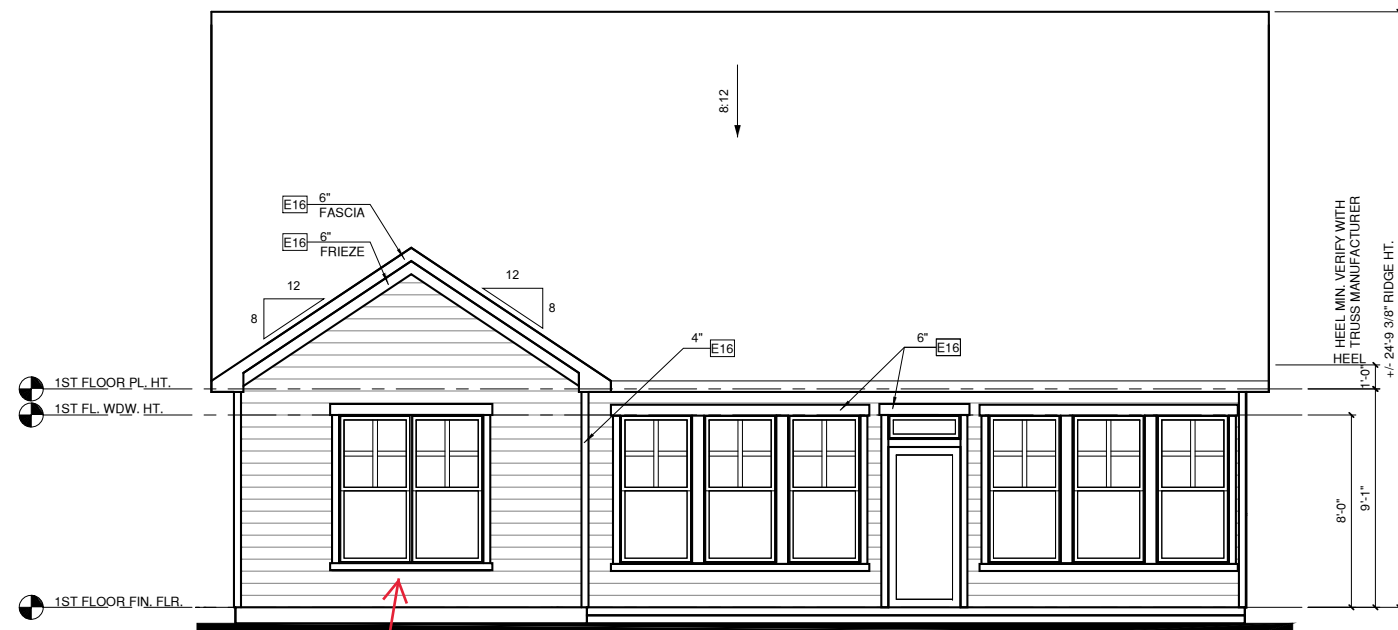
OWNER'S  
SITTING ROOM  
SEE PG. 5.1.1



**LEFT ELEVATION 'CLASSIC'**

2 1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT

OWNER'S  
SITTING ROOM  
SEE PG. 5.1.1



**REAR ELEVATION 'CLASSIC'**

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**OWNER'S  
SITTING ROOM  
SEE PG. 5.1.1**

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PER SOUTH CAROLINA 2015 IRC MODIFICATION SECTION R312.2 WINDOW FALL PROTECTION DELETED IN SOUTH CAROLINA

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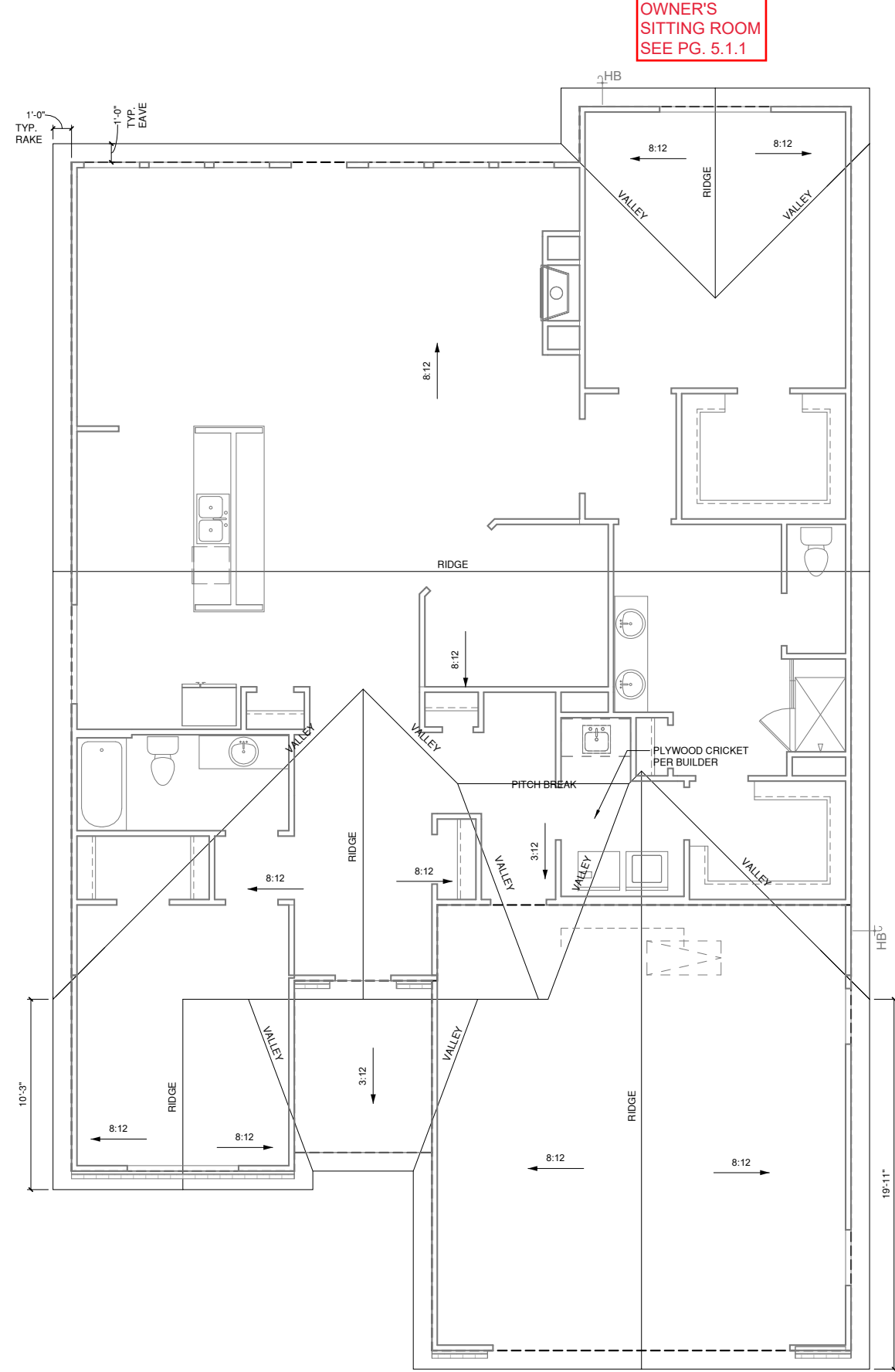
1/150 RATIO:	1/300 RATIO:
<p>GENERAL CONTRACTOR SHALL VERIFY THE NET FREE VENTILATION OF THE VENT PRODUCT SELECTED BY OWNER. VERIFY WITH MANUFACTURER OF HIGH AND LOW VENTS TO BE USED FOR MINIMUM CALCULATED VENTS REQUIRED. THE REQUIRED VENTILATION SHALL BE MAINTAINED. PROVIDE INSULATION STOP SUCH THAT INSULATION DOES NOT OBSTRUCT FREE AIR MOVEMENT AS REQUIRED BY THE BUILDING OFFICIAL.</p> <p>ALL OVERLAP FRAMED ROOF AREAS SHALL HAVE OPENINGS BETWEEN THE ADJACENT ATTICS IN THE ROOF SHEATHING (AS ALLOWED BY THE STRUCTURAL ENGINEER) TO ALLOW PASSAGE AND ATTIC VENTILATION BETWEEN THE TWO OR ISOLATED ATTIC SPACES SHALL BE VENTED INDEPENDENTLY.</p> <p>PER DEVELOPER, AT ALL CANTILEVERED FLOORS, CANTILEVERED ARCHITECTURAL POP-OUTS, AND ANY DOUBLE FRAMING PROJECTIONS THAT ARE SEPARATED FROM THE VENTING CALCULATIONS SHOWN ABOVE, PROVIDE A CONTINUOUS 2" CORROSION RESISTANT SOFFIT VENT AT UNDERSIDE OF FRAMED ELEMENT.</p>	<p>AS AN ALTERNATE TO THE 1/150 RATIO LISTED, THE NET FREE CROSS-VENTILATION AREA MAY BE REDUCED TO 1/300 WHEN A VAPOR BARRIER IS HAVING A TRANSMISSION RATE NOT EXCEEDING 1-PERM INSTALLED ON THE WARM-IN-WINTER SIDE OF THE CEILING.</p> <p>GENERAL CONTRACTOR SHALL VERIFY THE NET FREE VENTILATION OF THE VENT PRODUCT SELECTED BY OWNER. VERIFY WITH MANUFACTURER OF HIGH AND LOW VENTS TO BE USED FOR MINIMUM CALCULATED VENTS REQUIRED. THE REQUIRED VENTILATION SHALL BE MAINTAINED. PROVIDE INSULATION STOP SUCH THAT INSULATION DOES NOT OBSTRUCT FREE AIR MOVEMENT AS REQUIRED BY THE BUILDING OFFICIAL.</p> <p>ALL OVERLAP FRAMED ROOF AREAS SHALL HAVE OPENINGS BETWEEN THE ADJACENT ATTICS IN THE ROOF SHEATHING (AS ALLOWED BY THE STRUCTURAL ENGINEER) TO ALLOW PASSAGE AND ATTIC VENTILATION BETWEEN THE TWO OR ISOLATED ATTIC SPACES SHALL BE VENTED INDEPENDENTLY.</p> <p>PER DEVELOPER, AT ALL CANTILEVERED FLOORS, CANTILEVERED ARCHITECTURAL POP-OUTS, AND ANY DOUBLE FRAMING PROJECTIONS THAT ARE SEPARATED FROM THE VENTING CALCULATIONS SHOWN ABOVE, PROVIDE A CONTINUOUS 2" CORROSION RESISTANT SOFFIT VENT AT UNDERSIDE OF FRAMED ELEMENT.</p>
<p><b>NOTES:</b></p> <ul style="list-style-type: none"> <li>□ ALL ROOF DRAINAGE SHALL BE PIPED TO STREET OR APPROVED DRAINAGE FACILITY.</li> <li>□ DASHED LINES INDICATE WALL BELOW.</li> <li>□ LOCATE GUTTER AND DOWNSPOUTS PER BUILDER.</li> <li>□ PITCHED ROOFS AS NOTED.</li> </ul>	<ul style="list-style-type: none"> <li>□ TRUSS MANUFACTURER SHALL SUBMIT STRUCTURAL CALCS AND SHOP DRAWING TO THE BUILDER'S GENERAL CONTRACTOR AND BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATIONS.</li> <li>□ ALL PLUMBING VENTS SHALL BE COMBINED INTO A MINIMUM AMOUNT OF ROOF PENETRATIONS. ALL ROOF PENETRATIONS SHALL OCCUR TO THE REAR OF THE MAIN RIDGE.</li> </ul>

**ROOF VENT CALC. ELEV. 'B'**

Name	Area	1/300 RATIO AT HIGH & LOW	1/150 RATIO AT HIGH & LOW
AREA 1	2680 SF	643.14 in <sup>2</sup>	1286.29 in <sup>2</sup>

**ELEVATION KEYNOTE LEGEND**

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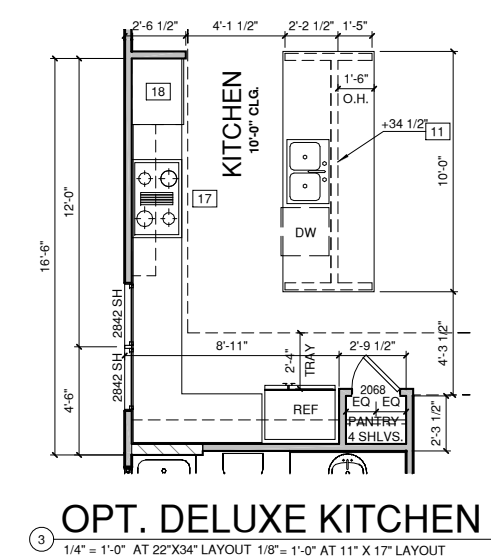
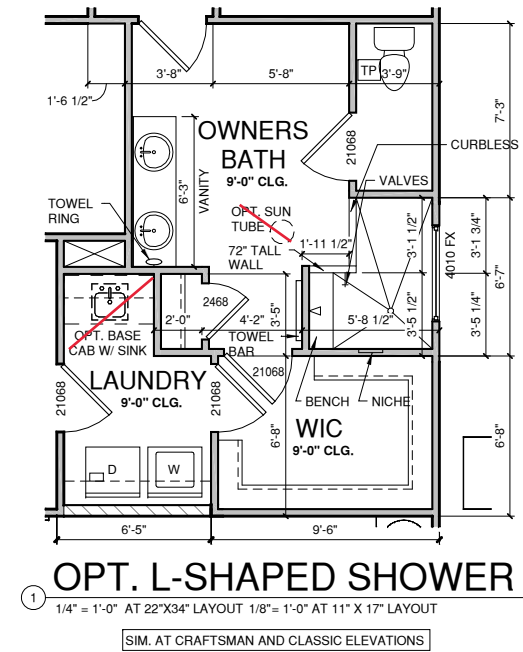


**ROOF PLAN 'CLASSIC'**

1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT

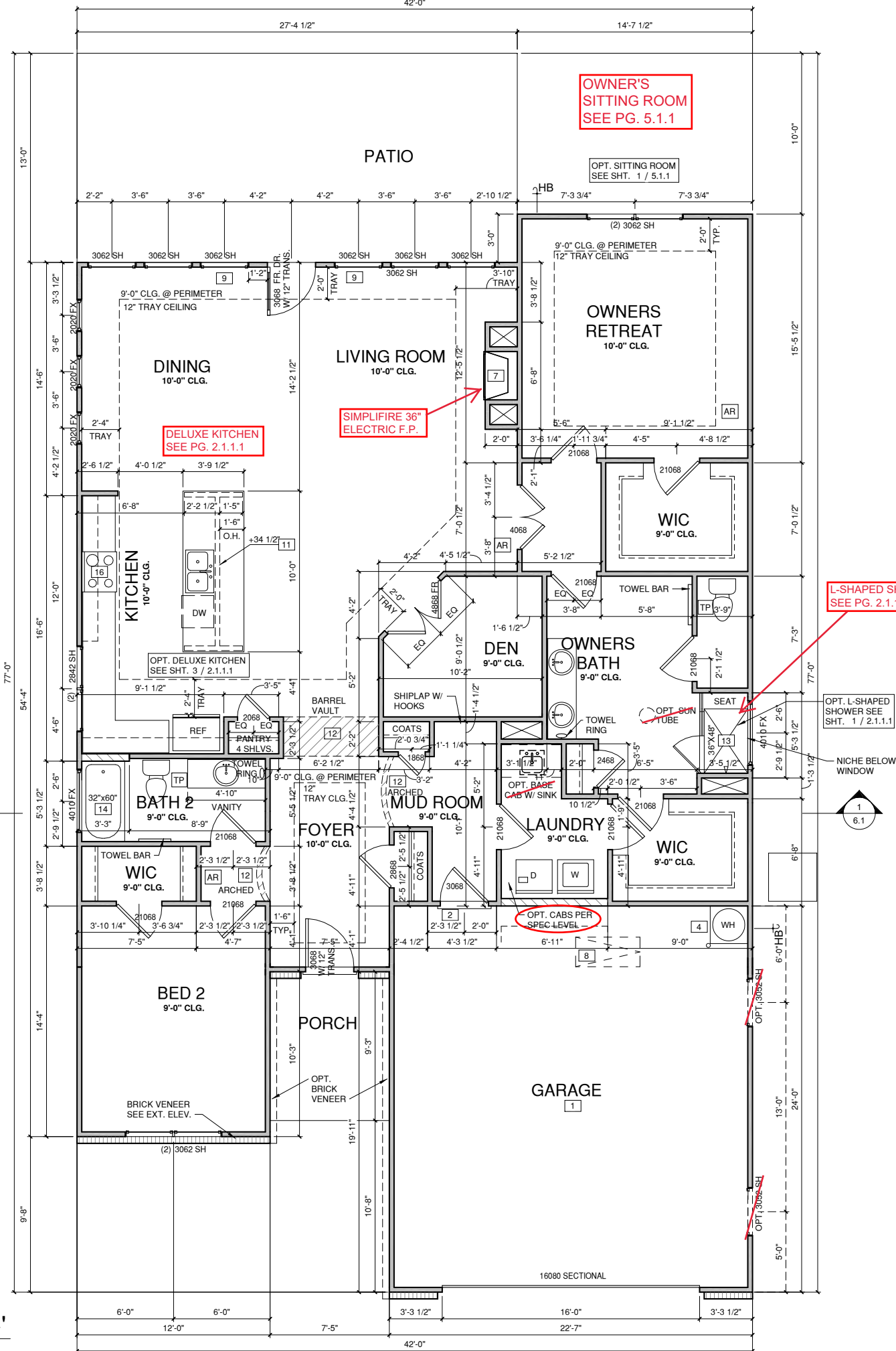
WALL LEGEND	
	FULL HEIGHT 2x4 WOOD STUD PARTITION
	FULL HEIGHT 2x6 WOOD STUD PARTITION
	STONE VENEER
	BRICK VENEER
	DRYWALL OPENING HEIGHT AS NOTED ON PLAN
	STUD WALL BELOW HEIGHT AND STUD SIZE AS NOTED

FLOOR PLAN KEYNOTE LEGEND	
1	HOUSE TO GARAGE FIRE SEPARATION. GARAGE/HOUSE SEPARATION AT VERTICAL SURFACES SHALL BE PROTECTED WITH ONE (1) LAYER 1/2" GYPSUM BOARD. GARAGE/HOUSE SEPARATION AT HORIZONTAL SURFACES SHALL BE PROTECTED WITH ONE (1) LAYER 5/8" TYPE "X" GYPSUM BOARD
2	HOUSE TO GARAGE DOOR SEPARATION. PROVIDE 1 3/8" SOLID CORE DOOR OR APPROVED 20 MINUTE RATED DOOR
3	BENEATH STAIRS AND LANDINGS. 1/2" GYPSUM BOARD ON WALLS AND CEILING OF ENCLOSED ACCESSIBLE AREAS
4	GAS WATER HEATER ON 18" HIGH PLATFORM
7	PRE-FABRICATED METAL FIREPLACE. INSTALL PER MANUFACTURER WRITTEN INSTRUCTIONS
8	ATTIC ACCESS LARGE ENOUGH TO REMOVE LARGEST PIECE OF EQUIPMENT BUT NOT LESS THAN 30"X22". FIRE RATED ACCESS AS NOTED. ATTIC ACCESS LADDER, VERIFY LOCATION AND SIZE WITH TRUSSES (25 1/2"X54" SIZE)
9	TEMPERED SAFETY GLASS
11	HALF WALL. HEIGHT AS NOTED
12	INTERIOR SOFFITS: FFL = 8'-0" U.N.O. SFL = 7'-6" U.N.O.
13	SHOWER. TEMPERED GLASS ENCLOSURE
14	TUB-SHOWER COMBO
16	SLIDE-IN ELECTRICAL RANGE W/ HOOD AND MICRO ABV. VENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS
17	GAS COOKTOP AND HOOD. VENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS
18	ELECTRIC OVEN WITH MICROWAVE OVEN
19	ACCESS HATCH/DOOR. FULLY WEATHER STRIPPED AND INSULATED. (PER NCRC SECTION N1102.2.3)



WALL LEGEND	
	FULL HEIGHT 2X4 WOOD STUD PARTITION
	FULL HEIGHT 2X6 WOOD STUD PARTITION
	STONE VENEER
	BRICK VENEER
	STUD WALL BELOW HEIGHT AND STUD SIZE AS NOTED
	DRYWALL OPENING HEIGHT AS NOTED ON PLAN

FLOOR PLAN KEYNOTE LEGEND	
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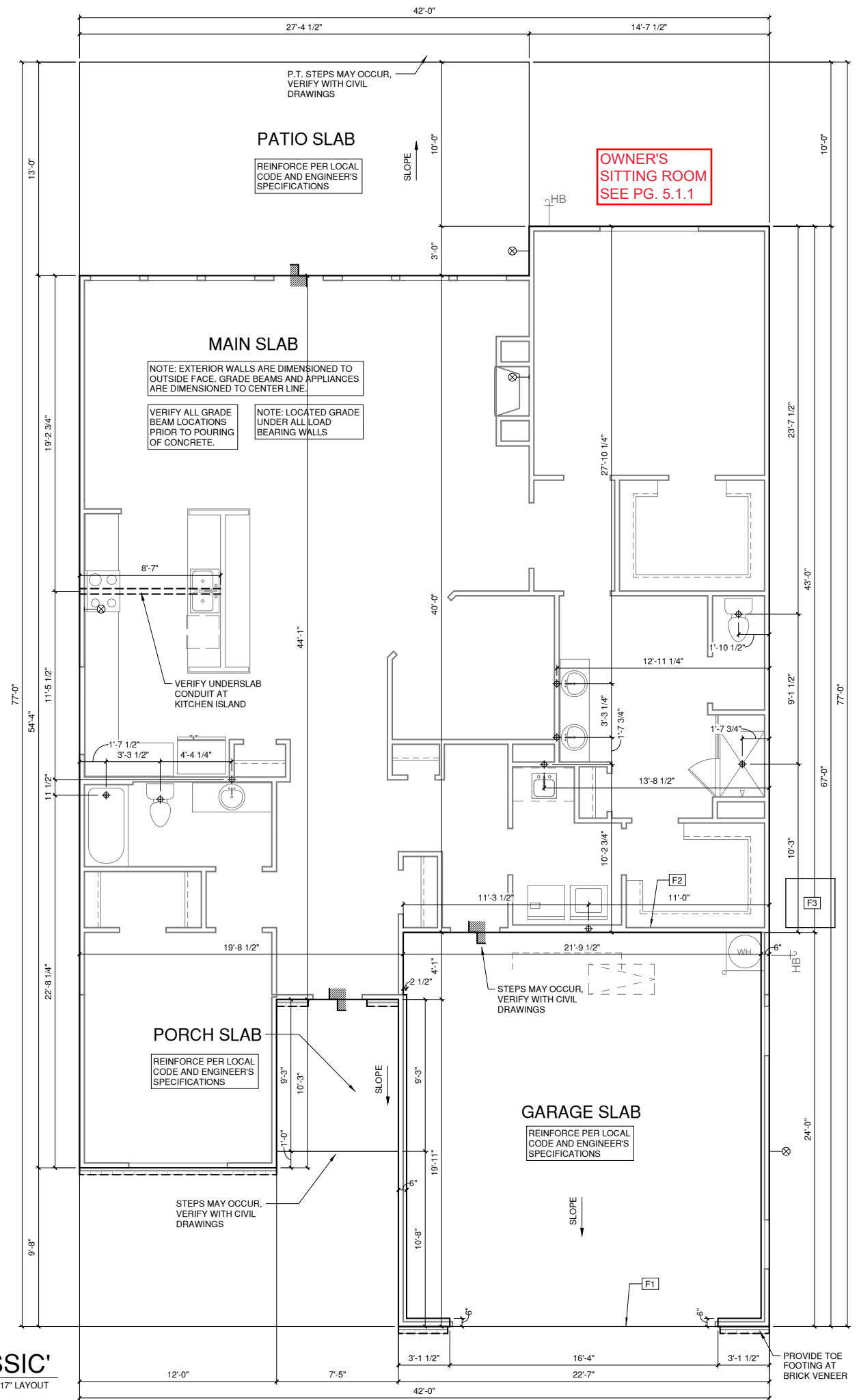
**FIRST FLOOR PLAN 'CLASSIC'**  
1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT

**NOTES FOR NORTH CAROLINA:**

- IRRIGATION SYSTEM SHALL BE DESIGNED TO PREVENT THE SATURATION OF SOIL ADJACENT TO BUILDING.
- THIS PERIMETER DIMENSION PLAN IS FOR DIMENSIONAL INFORMATION ONLY.
- SLOPE ALL STOOPS AND HARDSCAPE MATERIAL AWAY FROM BUILDING - TYPICAL.
- SLOPE GARAGE FLOOR 1/8" PER FOOT TO GARAGE DOOR OPENING.
- VERIFY CURB CUT BLOCKOUT WITH GARAGE DOOR MANUFACTURER.
- REFER TO CIVIL DRAWINGS FOR FINISH SURFACE ELEVATIONS.
- FINISH GRADE SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING. REFER TO SOILS REPORT FOR ANY SPECIFIC REQUIREMENTS.
- REFER TO STRUCTURAL DRAWINGS FOR HOLD-DOWNS, FOOTING DETAILS, CURB THICKNESS, AND INFORMATION NOT SHOWN ON THIS PLAN.
- PLUMBING FIXTURES, VENT LOCATIONS, ETC. ARE APPROXIMATE. CONTRACTOR TO VERIFY COUNT AND LOCATION.
- VERIFY THE SUPPLY FOR SEPARATE CONDUITS TO ANY ISLAND FOR GAS, WATER OR ELECTRIC.
- VERIFY ALL DOOR THRESHOLD HEIGHTS TO HARD SURFACES. 8 1/4" MAX AT INSWING DOORS. (PER NCRC SECTION R311.3.1.)
- TYP STOOP AT INSWING/SLIDER DOORS: 36" DEEP BY THE WIDTH OF THE DOOR SERVED, MINIMUM. (PER NCRC SECTION R311.3.) PROVIDE A SLIP-RESISTANT FINISH.
- FOR THE USE OF EXPOSED GAS WATER HEATERS IN THE GARAGE, PROTECT THE WATER HEATER WITH 3" DIA CONCRETE FILLED STEEL PIPE EMBEDDED INTO CONCRETE FOOTING.
- SOILS TREATMENT:  
BORACARE TERMITE TO BE APPLIED TO FRAMING PER PRODUCT SPECIFICATIONS. (PROVIDE CHEMICAL TREATMENT FOR PROTECTION FROM TERMITE INFESTATION ACCORDING TO THE STANDARDS OF THE NC DEPT OF AGRICULTURE.)
- WOOD CONTACTING CONCRETE OR MASONRY OR LESS THAN CODE REQUIRED SEPARATION TO GRADE SHALL BE PRESSURE TREATED OR FOUNDATION GRADE REDWOOD. SET ALL EXTERIOR WALL SILLS IN MASTIC.

**REFER TO STRUCTURAL DRAWINGS FOR ALL FOUNDATION DIMENSIONS**

FOUNDATION KEYNOTE LEGEND	
F1	LINE OF SLAB ABOVE
F2	LINE OF FRAMED WALL ABOVE
F3	A/C CONDENSER PAD (VERIFY)
F4	16" X 8" CRAWL SPACE VENT
F5	CRAWL SPACE ACCESS PANEL
F6	TYPICAL CRAWL FOUNDATION WALL SHALL BE 8" CMU OR A COMBINATION OF 4" CMU WITH NOMINAL 4" BRICK. SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL ATTACHMENTS. ALL BLOCK CELLS AND SPACE BETWEEN BLOCK AND BRICK SHALL BE FILLED WITH SOLID CONCRETE. FOUNDATION WALL WITH FULL HEIGHT BRICKVENEER SHALL CONSIST OF 8" CMU WITH NOMINAL 4" BRICK. SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL ATTACHMENTS AND BRICK TIE SPACING. FILL VOIDS SOLID TO TOP OF CMU WALL. (MUST COMPLY WITH NCRC SECTION R404, TABLE R404.1.1(1) THROUGH R404.1.1(4) AND APPLICABLE SECTIONS OF R606, R607, R608.) VERIFY WITH STRUCTURAL DRAWINGS FOR WALL FOOTING SIZE AND DEPTH.



**1 SLAB PLAN 'CLASSIC'**  
1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT



500 STONEHENGE PARKWAY,  
DUBLIN, OHIO 43017

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THESE DRAWINGS SHALL BE USED IN CONFORMANCE WITH ALL LOCAL BUILDING, MECHANICAL, PLUMBING AND ELECTRICAL CODES AND SHALL MEET THE REQUIREMENTS OF THE HEALTH DEPARTMENT, FIRE MARSHALL, AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAA), THE FAIR HOUSING ACT ACCESSIBILITY GUIDELINES (FHAAG), AND SHALL BE CONSTRUCTED IN CONFORMANCE WITH STATE AND LOCAL ENERGY REQUIREMENTS.

PROJECT TITLE:

**TORINO 2020**

**CONSTRUCTION SET**

**LOT 997 - CARRIAGE GLEN @ ANDERSON CREEK**  
06.14.2021

SHEET TITLE:

**SLAB PLAN 'CLASSIC'**

PRINT DATE:

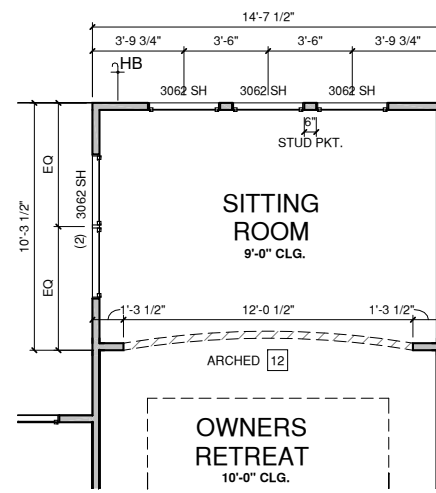
10.21.2020

SHEET NO:

**3.1.2**

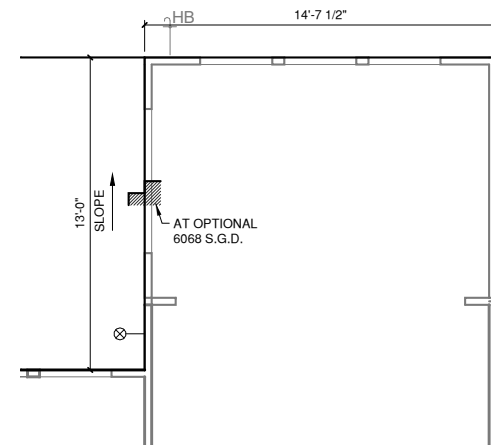
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18	ELECTRIC OVEN WITH MICROWAVE OVEN
19	ACCESS HATCH/DOOR, FULLY WEATHER STRIPPED AND INSULATED. (PER NCRS SECTION N1102.2.3)

WALL LEGEND	
	FULL HEIGHT 2X4 WOOD STUD PARTITION
	STONE VENEER
	BRICK VENEER
	STUD WALL BELOW HEIGHT AND STUD SIZE AS NOTED
	FULL HEIGHT 2X6 WOOD STUD PARTITION
	DRYWALL OPENING HEIGHT AS NOTED ON PLAN



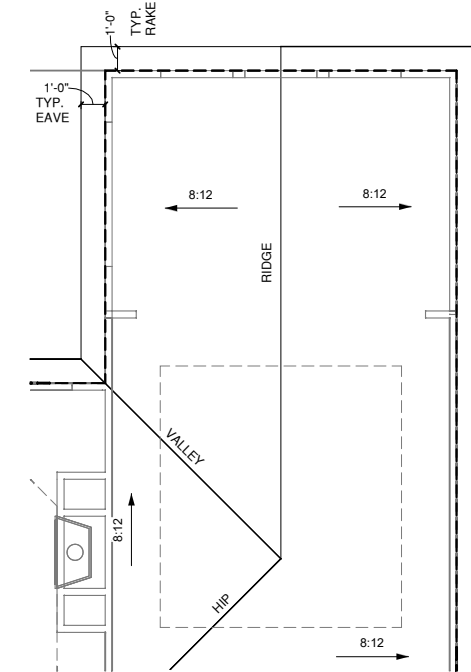
**OPT. SITTING ROOM**

1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT



**SLAB PLAN W/ OPT. SITTING ROOM**

1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT



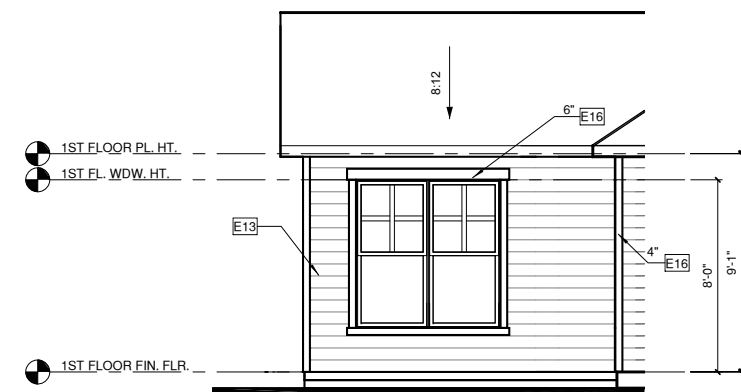
**ROOF PLAN W/ OPT. SITTING ROOM**

1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT

ALL WINDOWS WHOSE OPENING IS LESS THAN 24" ABOVE THE FINISH FLOOR AND WHOSE OPENING IS GREATER THAN 72" ABOVE THE FINISHED GRADE OR SURFACE BELOW MUST HAVE WINDOW OPENING CONTROL DEVICES COMPLYING WITH THE NORTH CAROLINA RESIDENTIAL CODE SECTION R312.2. WINDOW FALL PROTECTION IS NOT REQUIRED IF PROJECT IS BUILT IN SOUTH CAROLINA. PER SOUTH CAROLINA 2015 IRC MODIFICATION SECTION R312.2 WINDOW FALL PROTECTION DELETED IN SOUTH CAROLINA

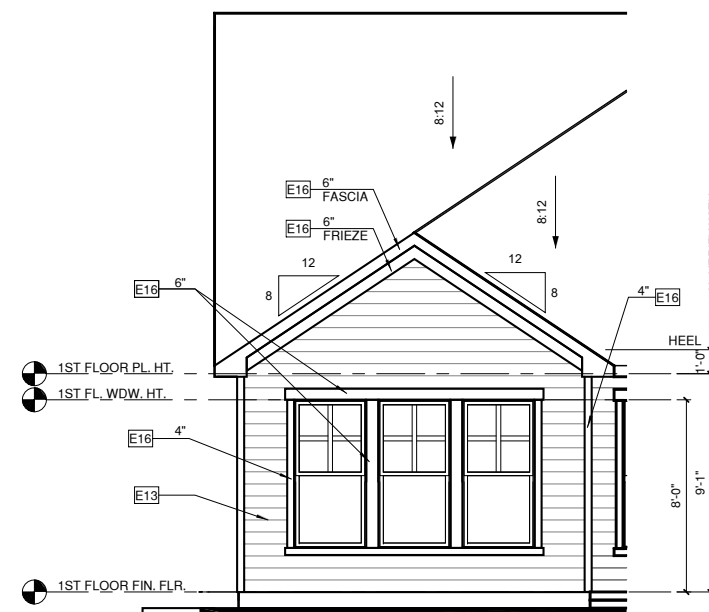
**NOTES:**

- GRADE CONDITIONS MAY VARY FOR INDIVIDUAL SITE FROM THAT SHOWN. BUILDER SHALL VERIFY AND COORDINATE PER ACTUAL SITE CONDITIONS.
- WINDOW HEAD HEIGHTS:  
1ST FLOOR = 8'-0" U.N.O. ON ELEVATIONS  
2ND FLOOR = 7'-0" U.N.O. ON ELEVATIONS  
3RD FLOOR = 7'-0" U.N.O. ON ELEVATIONS.
- ROOFING: PITCHED SHINGLES PER BUILDER. INSTALL ALL LOW SLOPE ROOFING IN ACCORDANCE WITH R905 AND MANUFACTURERS SPECS.
- WINDOWS: MANUFACTURER PER BUILDER. DIVIDED LITES AS SHOWN ON THE EXTERIOR ELEVATIONS
- ENTRY DOOR: AS SELECTED BY BUILDER
- CHIMNEY AS OCCURS: TOP OF CHIMNEYS TO BE A MINIMUM OF 24" ABOVE ANY ROOF WITHIN 10'-0" OF CHIMNEY.
- ALL EXTERIOR MATERIALS TO BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.



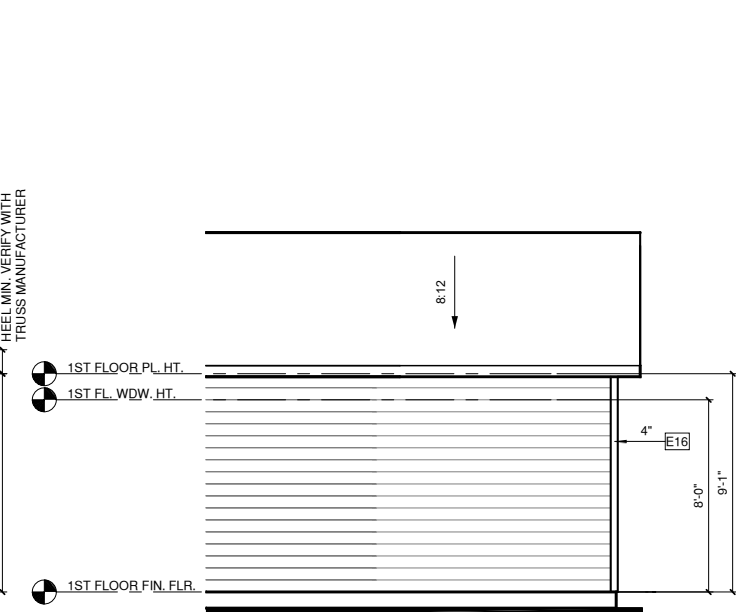
**LEFT ELEVATION W/ OPT. SITTING ROOM**

1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT



**REAR ELEVATION W/ OPT. SITTING ROOM**

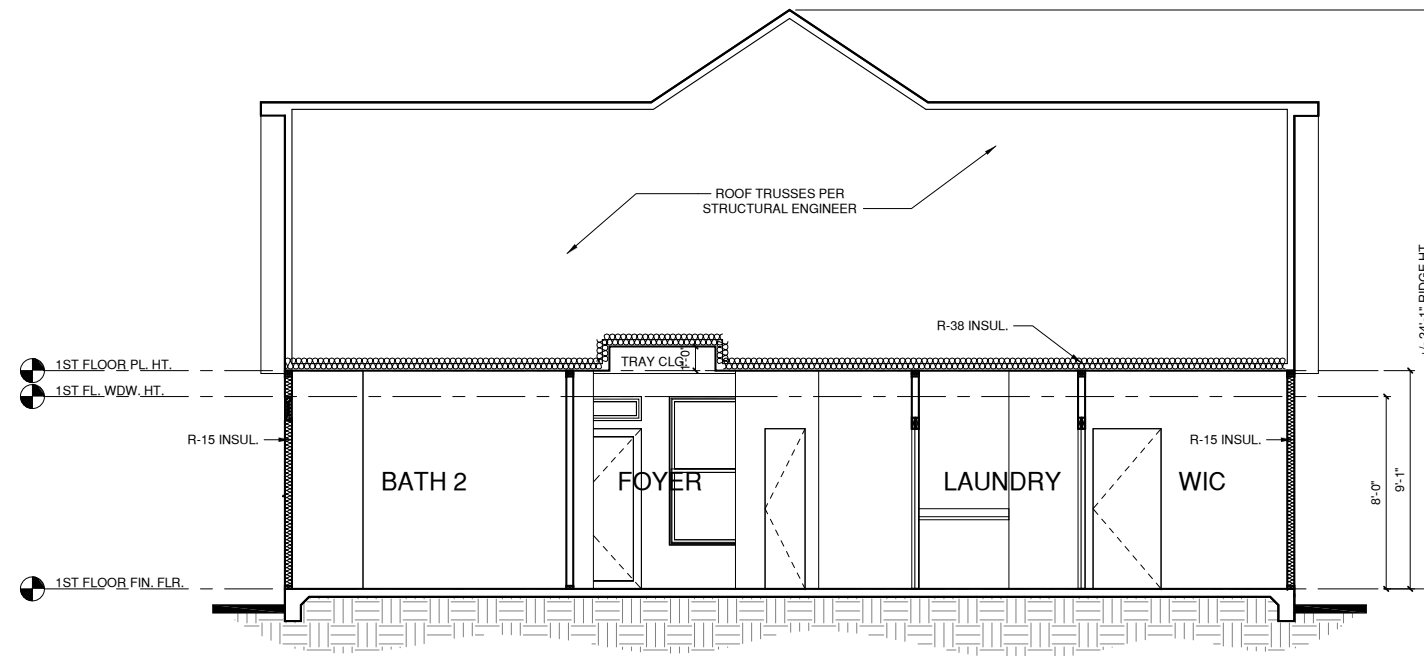
1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT



**RIGHT ELEVATION W/ OPT. SITTING ROOM**

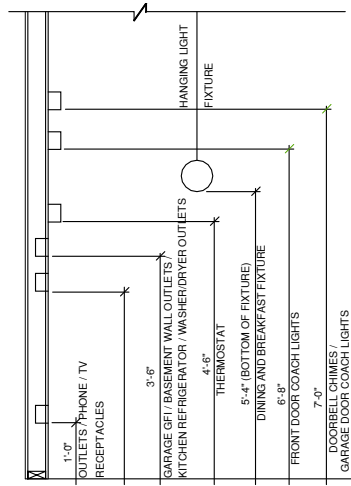
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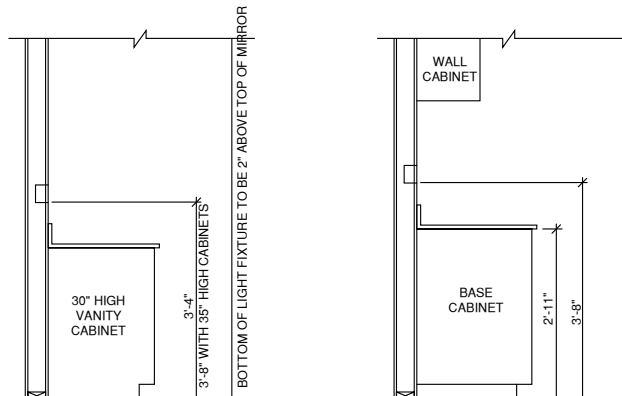


**BUILDING SECTION 1**  
**'CRAFTSMAN'/CLASSIC'**

① 1/4" = 1'-0" AT 22"X34" LAYOUT = 1'-0" AT 11" X 17" LAYOUT



**STANDARD ELECTRICAL BOX HEIGHTS**



**SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS**

**SWITCH AND RECEPTACLE BOXES OVER KITCHEN CABINETS**

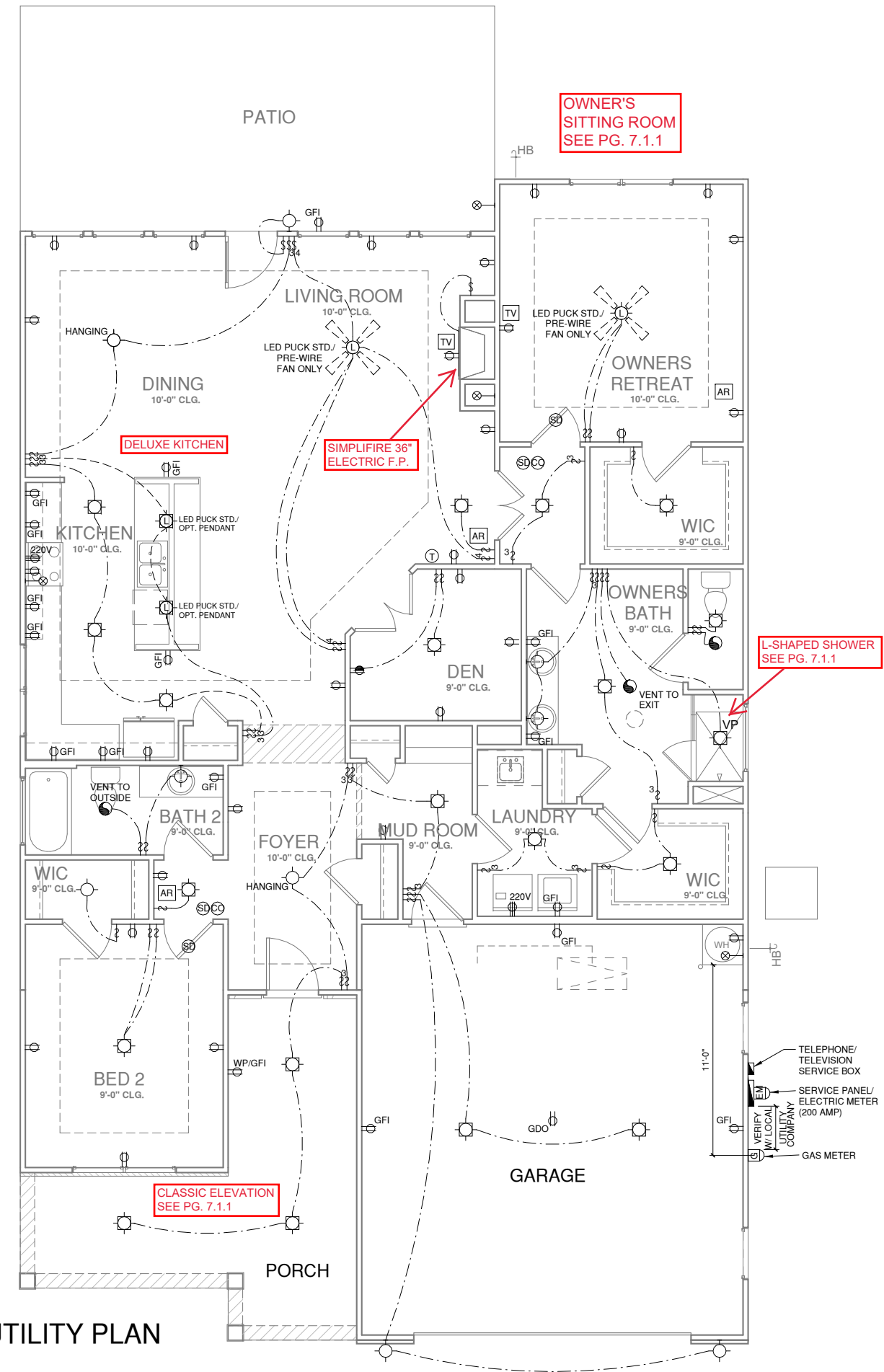
- NOTES:**
- PROVIDE GROUNDING ELECTRICAL ROD PER LOCAL CODES.
  - PROVIDE AND INSTALL ARC FAULT CIRCUIT-INTERRUPTERS (AFCI) AS REQUIRED BY NATIONAL ELECTRICAL CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
  - ALL EXHAUST FANS SHALL HAVE BACKDRAFT DAMPERS
  - FAN/LIGHTS IN WET/DAMP LOCATIONS SHALL BE LABLED "SUITABLE FOR WET OR DAMP LOCATIONS."
  - ELECTRICAL SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT.
  - PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
  - PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRICAL CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
  - ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED DIRECT HOOK-UPS/CUTOFFS.
  - HVAC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS.
  - ALL ELECTRICAL AND MECHANICAL EQUIPMENT (FURNACES, A/C UNITS, ELECTRICAL PANELS, SANITARY SUMP PITS, DRAINING TILE SUMP, AND WATER HEATERS) ARE SUBJECT TO RELOCATOIN DUE TO FIELD CONDITIONS.
  - PROVIDE POWER, LIGHT AND SWITCH AS REQUIRED FOR ATTIC FURNACE PER CODE AND MANUFACTURER'S WRITTEN INSTRUCTIONS.

**LEGEND:**

⊕	DUPLEX OUTLET	⊙	CEILING MOUNTED INCANDESCENT LIGHT FIXTURE
⊕WP/GFI	WEATHERPROOF GFI DUPLEX OUTLET	⊙	WALL MOUNTED INCANDESCENT LIGHT FIXTURE
⊕GFI	GROUND-FAULT CIRCUIT-INTERRUPTER DUPLEX OUTLET	⊙	RECESSED INCANDESCENT LIGHT FIXTURE (VP) = VAPOR PROOF
⊕	HALF-SWITCHED DUPLEX OUTLET	⊙	EXHAUST FAN (VENT TO EXTERIOR)
⊕ 220V	220 VOLT OUTLET	⊙	EXHAUST FAN/LIGHT COMBINATION (VENT TO EXTERIOR)
⊕	REINFORCED JUNCTION BOX	⊙	LED PUCK LIGHT FIXTURE
⊕	WALL SWITCH	⊙	FLUORESCENT LIGHT FIXTURE
⊕3	THREE-WAY SWITCH	⊙	TECH HUB SYSTEM
⊕4	FOUR-WAY SWITCH	⊙	CEILING FAN (PROVIDE ADEQUATE SUPPORT)
⊕CH	CHIMES	⊙	CEILING FAN WITH INCANDESCENT LIGHT FIXTURE (PROVIDE ADEQUATE SUPPORT)
⊕	PUSHBUTTON SWITCH	⊕	GAS SUPPLY WITH VALVE
⊕	110V SMOKE DETECTOR W/ BATTERY BACKUP	⊕	HOSE BIBB
⊕	CO2 DETECTOR	⊕	1/4" WATER STUB OUT
⊕	THERMOSTAT	⊕	WALL SCONCE
⊕PH	TELEPHONE		
⊕TV	TELEVISION		
⊕	ELECTRIC METER		
⊕	ELECTRIC PANEL		
⊕	DISCONNECT SWITCH		

**FIRST FLOOR UTILITY PLAN 'CRAFTSMAN'**

1/4" = 1'-0" AT 22"x34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT



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PROJECT TITLE:  
**TORINO 2020**

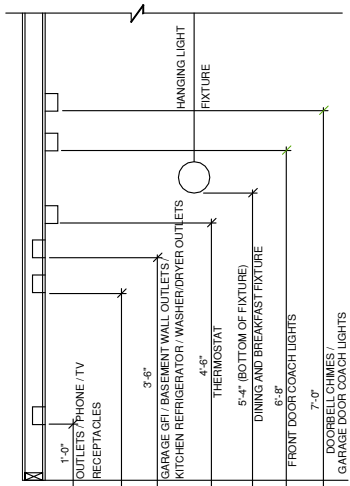
**CONSTRUCTION SET**

**LOT 997 - CARRIAGE GLEN @ ANDERSON CREEK 06.14.2021**

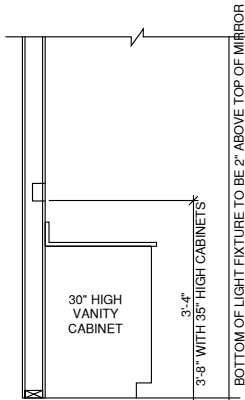
SHEET TITLE:  
**FIRST FLOOR UTILITY PLAN**

PRINT DATE:  
10.21.2020

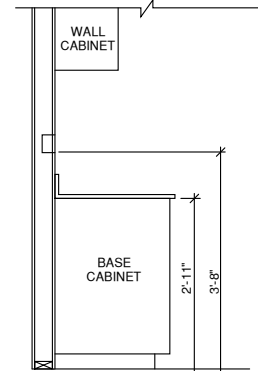
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**7.1**



### STANDARD ELECTRICAL BOX HEIGHTS



SWITCH AND RECEPTACLE BOXES OVER BATH CABINETS



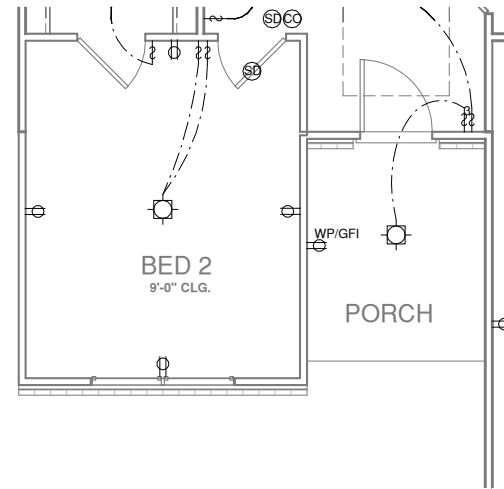
SWITCH AND RECEPTACLE BOXES OVER KITCHEN CABINETS

### NOTES:

- PROVIDE GROUNDING ELECTRICAL ROD PER LOCAL CODES.
- PROVIDE AND INSTALL ARC FAULT CIRCUIT-INTERRUPTERS (AFCI) AS REQUIRED BY NATIONAL ELECTRICAL CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
- ALL EXHAUST FANS SHALL HAVE BACKDRAFT DAMPERS
- FAN/LIGHTS IN WET/DAMP LOCATIONS SHALL BE LABELED "SUITABLE FOR WET OR DAMP LOCATIONS."
- ELECTRICAL SYSTEMS ARE SHOWN FOR INTENT ONLY. THESE SYSTEMS SHALL BE ENGINEERED BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND PLACEMENT.
- PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
- PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRICAL CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
- ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED DIRECT HOOK-UPS/CUTOFFS.
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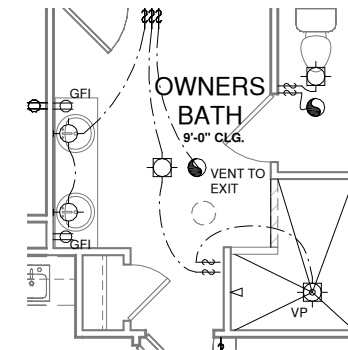
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⊕	PUSHBUTTON SWITCH	⊕	GAS SUPPLY WITH VALVE
⊕ SD	110V SMOKE DETECTOR W/ BATTERY BACKUP	⊕ HB	HOSE BIBB
⊕	CO2 DETECTOR	⊕ CW	1/4" WATER STUB OUT
⊕ T	THERMOSTAT	⊕	WALL SCONCE
⊕ PH	TELEPHONE		
⊕ TV	TELEVISION		
⊕	ELECTRIC METER		
⊕	ELECTRIC PANEL		
⊕	DISCONNECT SWITCH		



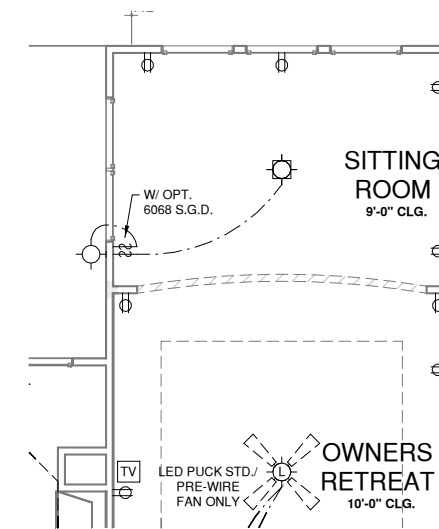
FIRST FLOOR UTILITY PLAN 'CLASSIC'

1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT



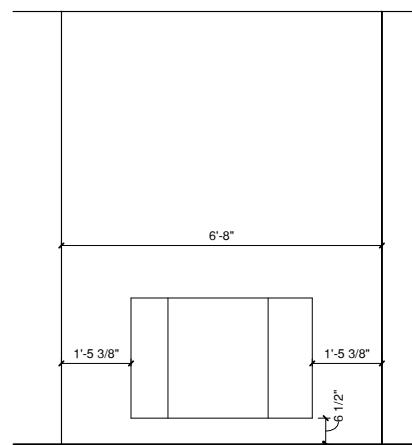
OPT. LUXURY BATH UTILITY PLAN

1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT

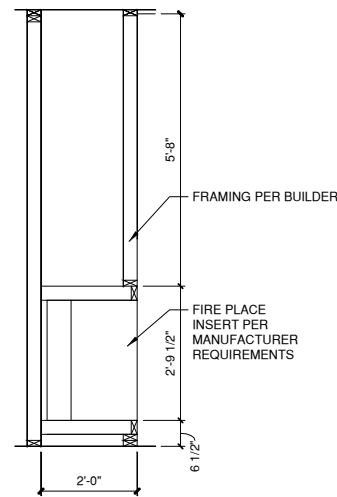


OPT. SITTING ROOM UTILITY PLAN

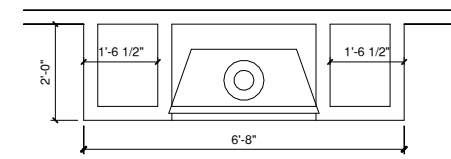
1/4" = 1'-0" AT 22"X34" LAYOUT 1/8" = 1'-0" AT 11" X 17" LAYOUT



**1 FIREPLACE DETAIL**  
1/2" = 1'-0" AT 22"X34" LAYOUT 1/4" = 1'-0" AT 11" X 17" LAYOUT



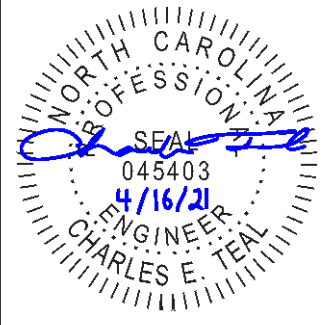
**2 FIREPLACE DETAIL 2**  
1/2" = 1'-0" AT 22"X34" LAYOUT 1/4" = 1'-0" AT 11" X 17" LAYOUT



**3 FIREPLACE DETAIL 3**  
1/2" = 1'-0" AT 22"X34" LAYOUT 1/4" = 1'-0" AT 11" X 17" LAYOUT

# STRUCTURAL PLANS FOR:

# TORINO 2020 - RIGHT HAND



P-0961

**JDS Consulting**  
DESIGN • ENGINEERING • SURVEYING • ENERGY

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INDEX OF SHEETS		REVISION LOG		
SHEET	TITLE	DATE	REVISED BY	REVISION
T	TITLE SHEET: PROJECT INFORMATION AND NOTES	11/05/2020	AWC	UPDATED BACKGROUNDS, ADDED OPT WINDOWS IN GARAGE, REVISED L-SHAPED SHOWER OPT, REVISED MASONRY AND RETURNS ALONG FRONT
GN1.0	GENERAL NOTES			
GN1.1	GENERAL NOTES			
S0.1	SLAB FOUNDATION PLAN	01/08/2021	CDM	ADDED HIGH WINDS WALL BRACING SHEETS PER CLIENT
S0.9	CRAWLSPACE FOUNDATION PLAN	03/18/2021	AWC	REVISED ALL HIGH WINDS NOTATIONS ON ALL SHEETS AND REVISED STANDARD DETAILS
S1.0	FIRST FLOOR CEILING FRAMING PLAN			
S2.0	SECOND FLOOR CEILING FRAMING PLAN	04/15/2021	AWC	REVISED ALL HIGH WINDS NOTATIONS AND DETAILS FOR 150 MPH ZONES
S3.0	FIRST FLOOR WALL BRACING PLAN			
S4.0	SECOND FLOOR WALL BRACING PLAN			
S5.0	ROOF FRAMING PLAN			
D1.0 - D9.0	DETAILS			

**NOTES**

- ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT, INCLUDING ROOF GEOMETRY. JDS Consulting, PLLC ASSUMES NO LIABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. ENGINEER TO BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.
- DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS.
- PLANS MUST HAVE SIGNED SEAL TO BE VALID AND ARE LIMITED TO THE FOLLOWING USES:
  - IF THESE PLANS ARE ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR 18 MONTHS FROM THE DATE ON THE SEAL, UNLESS ANY CODE-REQUIRED UPDATES ARE PLACED IN EFFECT BY THE MUNICIPALITY.
  - IF THESE PLANS ARE NOT ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR A CONDITIONAL, ONE-TIME USE FOR THE LOT OR ADDRESS SPECIFIED ON THE TITLE BLOCK.

**CODE**

ALL CONSTRUCTION, WORKMANSHIP, AND MATERIAL QUALITY AND SELECTION SHALL BE PER:

**2018  
NORTH CAROLINA  
STATE BUILDING CODE:  
RESIDENTIAL CODE**

**ENGINEER OF RECORD**

JDS Consulting, PLLC  
ENGINEERING, BUILDING DESIGN, & CONSTRUCTION  
CONSULTING SERVICES  
8600 'D' JERSEY COURT  
RALEIGH, NC 27617  
FIRM LIC. NO: P-0961  
PROJECT REFERENCE: 21900790

CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: **21900790**

DATE: **04/15/2021** DRAWN BY: **AWC**

TITLE SHEET

**T**

NOTE: ALL CHAPTERS, SECTIONS, TABLES, AND FIGURES CITED WITHOUT A PUBLICATION TITLE ARE FROM THE APPLICABLE RESIDENTIAL CODE (SEE TITLE SHEET).

**GENERAL**

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. FURTHERMORE, CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SAFETY ON SITE. NOTIFY JDS Consulting, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.
- BRACED-WALL DESIGN IS BASED ON SECTION R602.10 - WALL BRACING. PRIMARY PRESCRIPTIVE METHOD TO BE CS-WSP. SEE WALL BRACING PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

ALL NON-PRESCRIPTIVE SOLUTIONS ARE BASED ON GUIDELINES ESTABLISHED IN THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION ASCE 7 AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION - SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC.

- SEISMIC DESIGN SHALL BE PER SECTION R301.2.2 - SEISMIC PROVISIONS, INCLUDING ASSOCIATED TABLES AND FIGURES, BASED ON LOCAL SEISMIC DESIGN CATEGORY.

**DESIGN LOADS**

ASSUMED SOIL BEARING-CAPACITY	2,000 PSF
	<b>LIVE LOAD</b>
ULTIMATE DESIGN WIND SPEED	115 MPH, EXPOSURE B
GROUND SNOW	15 PSF
ROOF	20 PSF
<u>RESIDENTIAL CODE TABLE R301.5</u>	<u>LIVE LOAD (PSF)</u>
DWELLING UNITS	40
SLEEPING ROOMS	30
ATTICS WITH STORAGE	20
ATTICS WITHOUT STORAGE	10
STAIRS	40
DECKS	40
EXTERIOR BALCONIES	60
PASSENGER VEHICLE GARAGES	50
FIRE ESCAPES	40
GUARDS AND HANDRAILS	200 (pounds, concentrated)

COMPONENT AND CLADDING LOADS, INCLUDING THOSE FOR DOORS AND WINDOWS, SHALL BE DERIVED FROM TABLES R301.2(2) AND R301.2(3) FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 35 FEET, LOCATED IN EXPOSURE B.

**ABBREVIATIONS**

ABV	ABOVE	KS	KING STUD COLUMN
AFF	ABOVE FINISHED FLOOR	LVL	LAMINATED VENEER LUMBER
ALT	ALTERNATE	MAX	MAXIMUM
BRG	BEARING	MECH	MECHANICAL
BSMT	BASEMENT	MFR	MANUFACTURER
CANT	CANTILEVER	MIN	MINIMUM
CJ	CEILING JOIST	NTS	NOT TO SCALE
CLG	CEILING	OA	OVERALL
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CO	CASED OPENING	PT	PRESSURE TREATED
COL	COLUMN	R	RISER
CONC	CONCRETE	REF	REFRIGERATOR
CONT	CONTINUOUS	RFG	ROOFING
D	CLOTHES DRYER	RO	ROUGH OPENING
DBL	DOUBLE	RS	ROOF SUPPORT
DIAM	DIAMETER	SC	STUD COLUMN
DJ	DOUBLE JOIST	SF	SQUARE FOOT (FEET)
DN	DOWN	SH	SHELF / SHELVES
DP	DEEP	SHTG	SHEATHING
DR	DOUBLE RAFTER	SHW	SHOWER
DSP	DOUBLE STUD POCKET	SIM	SIMILAR
EA	EACH	SJ	SINGLE JOIST
EE	EACH END	SP	STUD POCKET
EQ	EQUAL	SPEC'D	SPECIFIED
EX	EXTERIOR	SQ	SQUARE
FAU	FORCED-AIR UNIT	T	TREAD
FDN	FOUNDATION	TEMP	TEMPERED GLASS
FF	FINISHED FLOOR	THK	THICK(NESS)
FLR	FLOOR(ING)	TJ	TRIPLE JOIST
FP	FIREPLACE	TOC	TOP OF CURB / CONCRETE
FTG	FOOTING	TR	TRIPLE RAFTER
HB	HOSE BIBB	TYP	TYPICAL
HDR	HEADER	UNO	UNLESS NOTED OTHERWISE
HGR	HANGER	W	CLOTHES WASHER
JS	JACK STUD COLUMN	WH	WATER HEATER
		WWF	WELDED WIRE FABRIC
		XJ	EXTRA JOIST

**MATERIALS**

- INTERIOR / TRIMMED FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES (#2 SOUTHERN YELLOW PINE MAY BE SUBSTITUTED):  
Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI
- FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES:  
Fb = 975 PSI Fv = 95 PSI E = 1.6E6 PSI
- LVL STRUCTURAL MEMBERS TO BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI
- PSL STRUCTURAL MEMBERS TO BE PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
Fb = 2900 PSI Fv = 290 PSI E = 2.0E6 PSI
- LSL STRUCTURAL MEMBERS TO BE LAMINATED STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:  
Fb = 2250 PSI Fv = 400 PSI E = 1.55E6 PSI
- STRUCTURAL STEEL WIDE-FLANGE BEAMS SHALL CONFORM TO ASTM A992. Fy = 50 KSI
- REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615, GRADE 60.
- POURED CONCRETE COMPRESSIVE STRENGTH TO BE A MINIMUM 3,000 PSI AT 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN AMERICAN CONCRETE INSTITUTE STANDARD ACI 318 OR ASTM C1157.
- CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING PROBABILITY PER TABLE R301.2(1) SHALL BE AIR-ENTRAINED WHEN REQUIRED BY TABLE R402.2.
- CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.
- MORTAR SHALL COMPLY WITH ASTM INTERNATIONAL STANDARD C270.
- INDICATED MODEL NUMBERS FOR ALL METAL HANGERS, STRAPS, FRAMING CONNECTORS, AND HOLD-DOWNS ARE SIMPSON STRONG-TIE BRAND. EQUIVALENT USP BRAND PRODUCTS ARE ACCEPTABLE.
- REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES.

**FOUNDATION**

- MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EXIST.
- CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 OR AMERICAN CONCRETE INSTITUTE STANDARD ACI 318.
- MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 AND/OR AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND/OR THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.
- CONCRETE WALL HORIZONTAL REINFORCEMENT TO BE PER TABLE R404.1.2(1) OR AS NOTED OR DETAILED. CONCRETE WALL VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.2(3 AND 4) OR AS NOTED OR DETAILED. ALL CONCRETE WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.
  - A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - B. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- PLAIN-MASONRY WALL DESIGN TO BE PER TABLE R404.1.1(1) OR AS NOTED OR DETAILED. MASONRY WALLS WITH VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.1 (2 THROUGH 4) OR AS NOTED OR DETAILED. ALL MASONRY WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.
  - A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - B. WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
  - C. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R405.
- WOOD SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0" OC AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. INSTALL MINIMUM (2) ANCHOR BOLTS PER SECTION. SEE SECTION R403.1.6 FOR SPECIFIC CONDITIONS.
- THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED, HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION.
- CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDETS SHALL CENTER IN THE MIDDLE THIRD OF THE PIERS.
- ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS (SEE DETAILS).
- ALL REBAR NOTED IN CONCRETE TO HAVE AT LEAST 2" COVER FROM EDGE OF CONCRETE TO EDGE OF REBAR.
- FRAMING TO BE FLUSH WITH FOUNDATION WALLS.
- WITH CLASS 1 SOILS, VAPOR BARRIER AND CRUSHED STONE MAY BE OMITTED.

**FRAMING**

- ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED W/ MIN (1) JACK STUD AND (1) KING STUD EACH END, UNO.
- ALL NON-BEARING HEADERS TO BE (2) 2x4, UNO.
- NON-BEARING INTERIOR WALLS NOT MORE THAN 10' NOMINAL HEIGHT AND NOT SHOWN AS BRACED WALLS MAY BE FRAMED WITH 2x4 STUDS @ 24" OC.
- SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.
- ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.
- ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
- PORCH / PATIO COLUMNS TO BE 4x4 MINIMUM PRESSURE-TREATED LUMBER.
  - A. ATTACH PORCH COLUMNS TO SLAB / FDN WALL USING ABA, ABU, ABW, OR CPT SIMPSON POST BASES TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
  - B. ATTACH PORCH COLUMNS TO PORCH BEAMS USING AC OR BC SIMPSON POST CAPS TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
  - C. TRIM OUT COLUMN(S) AND BEAM(S) PER BUILDER AND DETAILS.
- ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.
- ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS:
  - A. SHOP DRAWINGS FOR THE SYSTEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND COORDINATION BEFORE CONSTRUCTION.
  - B. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER.
  - C. INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
  - D. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE DRAWINGS.
- ALL BEAMS TO BE CONTINUOUSLY SUPPORTED Laterally AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED, WITH A MINIMUM OF THREE STUDS, UNO.
- ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MIN BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS, UNO.
- STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM 307) WITH WASHERS PLACED UNDER THE THREADED END OF THE BOLT. BOLTS TO BE SPACED AT 24" OC (MAX) AND STAGGERED TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH TWO BOLTS TO BE LOCATED AT 6" FROM EACH END OF FLITCH BEAM.
- WHEN A 4-PLY LVL BEAM IS USED, ATTACH WITH (1) 1/2" DIAMETER BOLT, 12" OC, STAGGERED TOP AND BOTTOM, 1 1/2" MIN FROM ENDS. ALTERNATE EQUIVALENT ATTACHMENT METHOD MAY BE USED, SUCH AS SDS, SDW, OR TRUSSLOK SCREWS (SEE MANUFACTURER SPECIFICATIONS).
- FOR STUD COLUMNS OF 4-OR-MORE STUDS, INSTALL SIMPSON STRONG-TIE CS16 STRAPS ACROSS STUDS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).
- FLOOR JOISTS ADJACENT AND PARALLEL TO THE EXTERIOR FOUNDATION WALL SHALL BE PROVIDED WITH FULL-DEPTH SOLID BLOCKING, NOT LESS THAN TWO (2) INCHES NOMINAL IN THICKNESS, PLACED PERPENDICULAR TO THE JOIST AT SPACING NOT MORE THAN FOUR (4) FEET. THE BLOCKING SHALL BE NAILED TO THE FLOOR SHEATHING, THE SILL PLATE, THE JOIST, AND THE EXTERIOR RIM JOIST / BOARD.
- BRACED WALL PANELS SHALL BE FASTENED TO MEET THE UPLIFT-RESISTANCE REQUIREMENTS IN CHAPTERS 6 AND 8 OF THE APPLICABLE CODE (SEE TITLE SHEET). REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE CODE MINIMUM SHALL BE MET.



P-0961

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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: **21900790**

DATE: **04/15/2021** DRAWN BY: **AWC**

GENERAL NOTES

**GN1.0**

FASTENER SCHEDULE		
CONNECTION	3" x 0.131" NAIL	3" x 0.120" NAIL
JOIST TO SILL PLATE	(4) TOE NAILS	(4) TOE NAILS
SOLE PLATE TO JOIST / BLOCKING	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)
STUD TO SOLE PLATE	(4) TOE NAILS	(4) TOE NAILS
TOP OR SOLE PLATE TO STUD	(3) FACE NAILS	(4) FACE NAILS
RIM JOIST OR BAND JOIST TO TOP PLATE OR SILL PLATE	TOE NAILS @ 6" OC	TOE NAILS @ 4" OC
BLOCKING BETWEEN JOISTS TO TOP PLATE OR SILL PLATE	(4) TOE NAILS	(4) TOE NAILS
DOUBLE STUD	NAILS @ 8" OC	NAILS @ 8" OC
DOUBLE TOP PLATES	NAILS @ 12" OC	NAILS @ 12" OC
DOUBLE TOP PLATES LAP (24" MIN LAP LENGTH)	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT
TOP PLATE LAP AT CORNERS AND INTERSECTING WALLS	(3) FACE NAILS	(3) FACE NAILS
OPEN-WEB TRUSS BOTTOM CHORD TO TOP PLATES OR SILL PLATE (PARALLEL TO WALL)	NAILS @ 6" OC	NAILS @ 4" OC
BOTTOM CHORD OF TRUSS TO TOP PLATES OR SILL PLATE (PERPENDICULAR TO WALL)	(3) TOE NAILS	(3) TOE NAILS

SEE TABLE R602.3(1) FOR ADDITIONAL STRUCTURAL-MEMBER FASTENING REQUIREMENTS.

DETAILS AND NOTES ON DRAWINGS GOVERN.


**BALLOON WALL FRAMING SCHEDULE**  
(USE THESE STANDARDS UNLESS NOTED OTHERWISE ON THE FRAMING PLAN SHEETS)

FRAMING MEMBER SIZE	MAX HEIGHT (PLATE TO PLATE) 115 MPH ULTIMATE DESIGN WIND SPEED
2x4 @ 16" OC	10'-0"
2x4 @ 12" OC	12'-0"
2x6 @ 16" OC	15'-0"
2x6 @ 12" OC	17'-9"
2x8 @ 16" OC	19'-0"
2x8 @ 12" OC	22'-0"
(2) 2x4 @ 16" OC	14'-6"
(2) 2x4 @ 12" OC	17'-0"
(2) 2x6 @ 16" OC	21'-6"
(2) 2x6 @ 12" OC	25'-0"
(2) 2x8 @ 16" OC	27'-0"
(2) 2x8 @ 12" OC	31'-0"


- ALL HEIGHTS ARE MEASURED SUBFLOOR TO TOP OF WALL PLATE.
- WHEN SPLIT-FRAMED WALLS ARE USED FOR HEIGHTS OVER 12', THE CONTRACTOR SHALL ADD 6' MINIMUM OF CS16 COIL STRAPPING (FULLY NAILED), CENTERED OVER THE WALL BREAK.
- FINGER-JOINTED MEMBERS MAY BE USED FOR CONTINUOUS HEIGHTS WHERE TRADITIONALLY MILLED LUMBER LENGTHS ARE LIMITED.
- FOR GREATER WIND SPEED, SEE ENGINEERED SOLUTION FOR CONDITION IN DRAWINGS.

**ROOF SYSTEMS**

**TRUSSED ROOF - STRUCTURAL NOTES**

- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
-  DENOTES OVER-FRAMED AREA
- MINIMUM 7/16" OSB ROOF SHEATHING
- TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
- PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

**STICK-FRAMED ROOF - STRUCTURAL NOTES**

- PROVIDE 2x4 COLLAR TIES AT 48" OC AT UPPER THIRD OF RAFTERS, UNLESS NOTED OTHERWISE.
- FUR RIDGES FOR FULL RAFTER CONTACT.
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
-  DENOTES OVER-FRAMED AREA
- MINIMUM 7/16" OSB ROOF SHEATHING
- PROVIDE 2x4 RAFTER TIES AT 16" OC AT 45° BETWEEN RAFTERS AND CEILING JOISTS. USE (4) 16d NAILS AT EACH CONNECTION. RAFTER TIES MAY BE SPACED AT 48" OC AT LOCATIONS WHERE NO KNEE WALLS ARE INSTALLED.
- PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH RAFTER-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

BRICK VENEER LINTEL SCHEDULE		
SPAN	STEEL ANGLE SIZE	END BEARING LENGTH
UP TO 42"	L3-1/2"x3-1/2"x1/4"	8" (MIN. @ EACH END)
UP TO 72"	L6"x4"x5/16" (LLV)	8" (MIN. @ EACH END)
OVER 72"	L6"x4"x5/16" (LLV) ATTACH LINTEL w/ 1/2" THRU BOLT @ 12" OC, 3" FROM EACH END	

\* FOR QUEEN BRICK: LINTELS AT THIS CONDITION MAY BE 5"x3-1/2"x5/16"

NOTE: BRICK LINTELS AT SLOPED AREAS TO BE 4"x3-1/2"x1/4" STEEL ANGLE WITH 16D NAILS IN 3/16" HOLES IN 4" ANGLE LEG AT 12" OC TO TRIPLE RAFTER. WHEN THE SLOPE EXCEEDS 4:12 A MINIMUM OF 3"x3"x1/4" PLATES SHALL BE WELDED AT 24" OC ALONG THE STEEL ANGLE.



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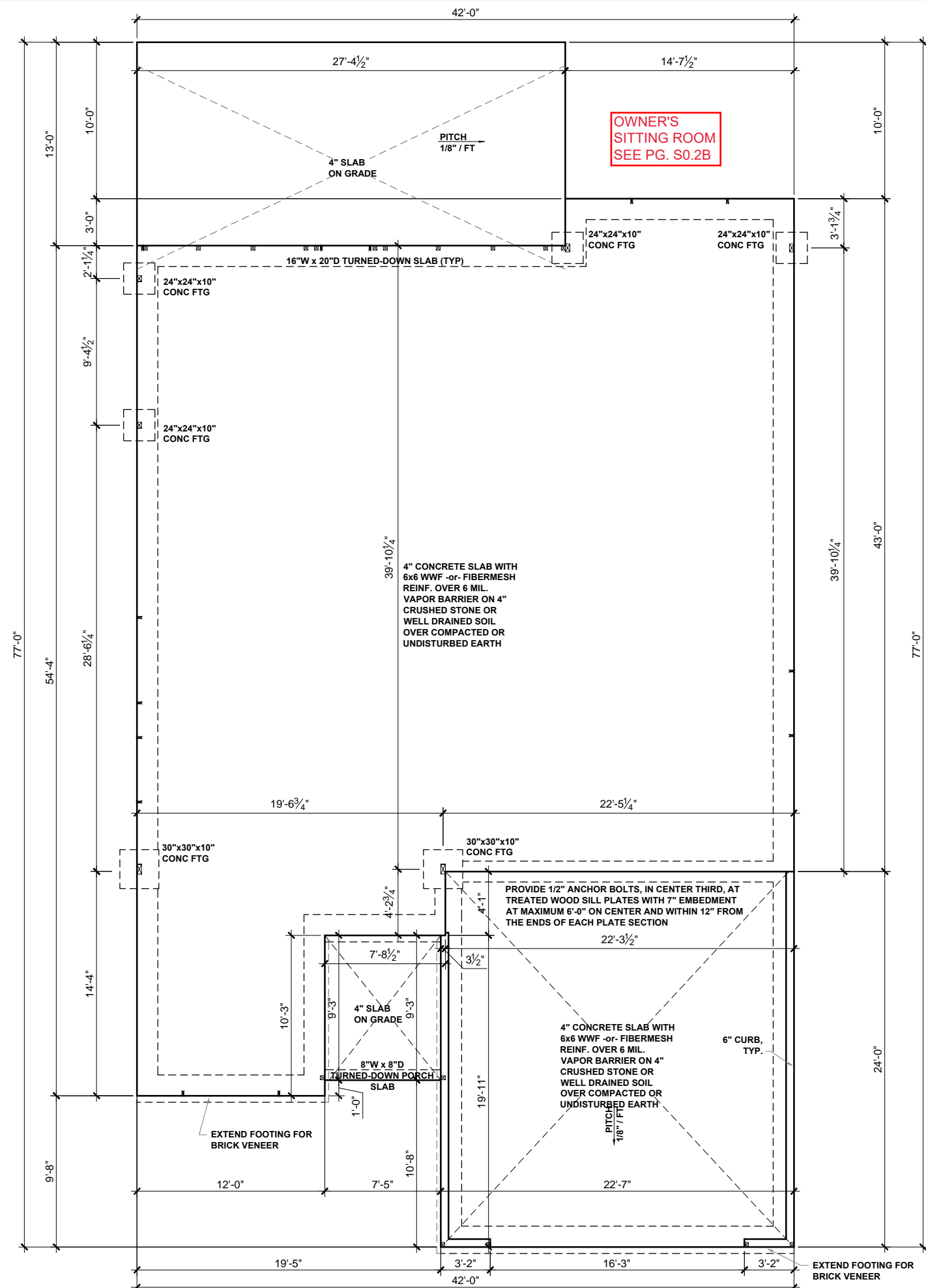
CLIENT:	MCKEE HOMES
PROJECT:	TORINO 2020 - RIGHT HAND
LOCATION:	NORTH CAROLINA
SCALE:	1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: 21900790

DATE: 04/15/2021 DRAWN BY: AWC

GENERAL NOTES

**GN1.1**



**SLAB FOUNDATION PLAN - CLASSIC**  
 SCALE: 1/8" = 1'-0"

**BEAM & POINT LOAD LEGEND**

- INTERIOR LOAD BEARING WALL
- - - ROOF RAFTER / TRUSS SUPPORT
- - - DOUBLE RAFTER / DOUBLE JOIST
- STRUCTURAL BEAM / GIRDER
- WINDOW / DOOR HEADER
- ⊠ POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

ALL CONCRETE CURBS SUPPORTING PORTAL FRAMED OR ENGINEERED OPENINGS IN GARAGES WITH A PONY WALL OVER 24" ABOVE THE GARAGE DOOR HEADER SHALL BE REQUIRED TO BE AT LEAST 8" WIDE.



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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

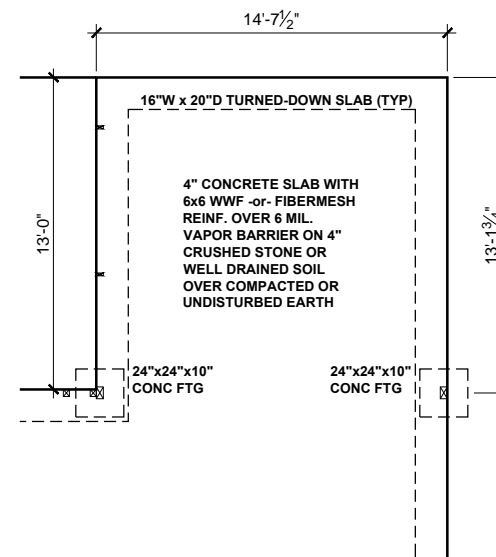
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PROJECT NO.: **21900790**

DATE: **04/15/2021** DRAWN BY: **AWC**

SLAB FOUNDATION PLAN  
**S0.1B**





- BEAM & POINT LOAD LEGEND**
- INTERIOR LOAD BEARING WALL
  - - - ROOF RAFTER / TRUSS SUPPORT
  - - - DOUBLE RAFTER / DOUBLE JOIST
  - - - STRUCTURAL BEAM / GIRDER
  - - - WINDOW / DOOR HEADER
  - ⊗ POINT LOAD TRANSFER
  - POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

SEE FULL PLAN FOR ADDITIONAL INFORMATION

**OPT. SITTING ROOM**

**SLAB FOUNDATION PLAN  
OPTIONS - CLASSIC**

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



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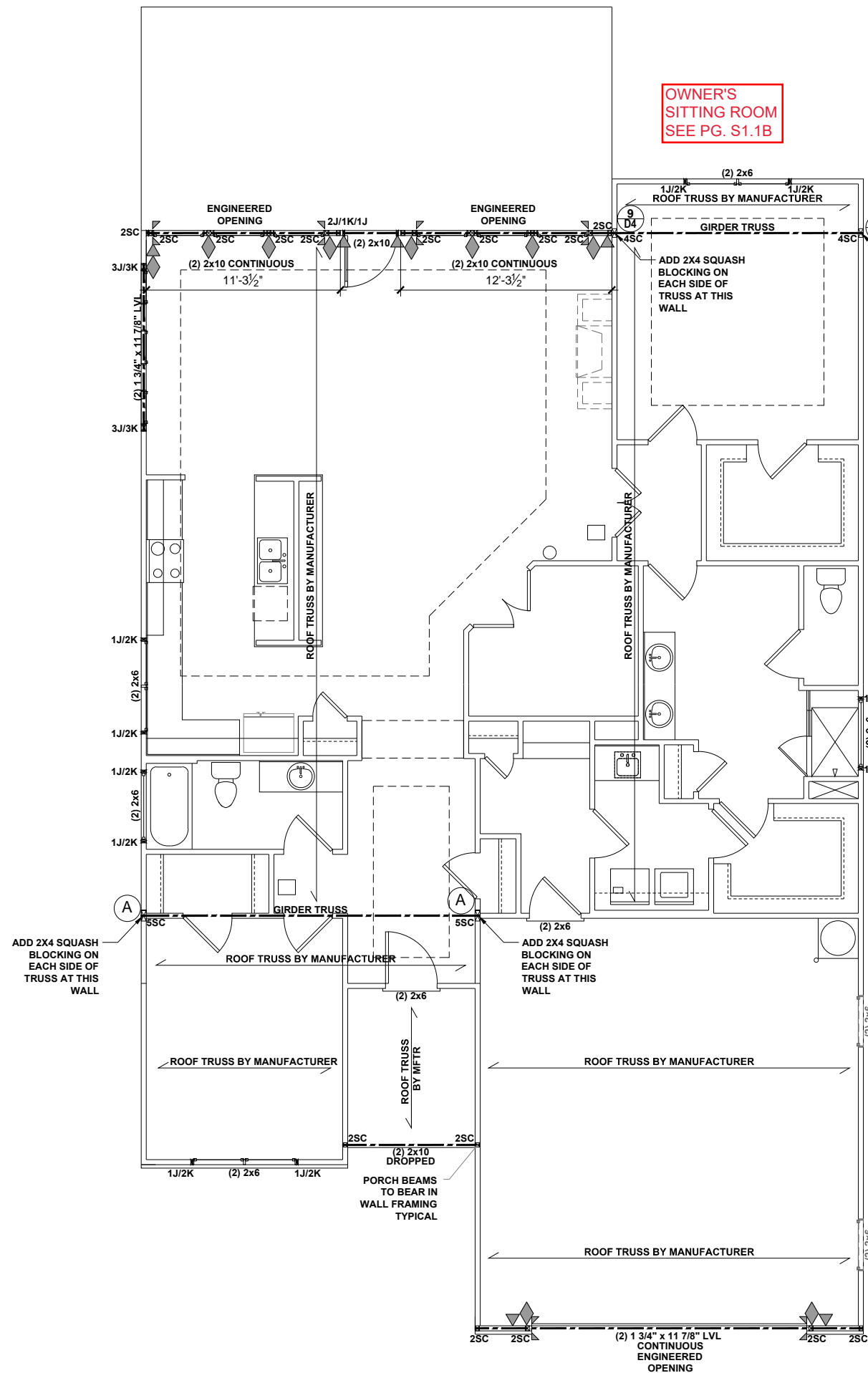
CLIENT:	<b>MCKEE HOMES</b>
PROJECT:	<b>TORINO 2020 - RIGHT HAND</b>
LOCATION:	<b>NORTH CAROLINA</b>
SCALE:	1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: **21900790**

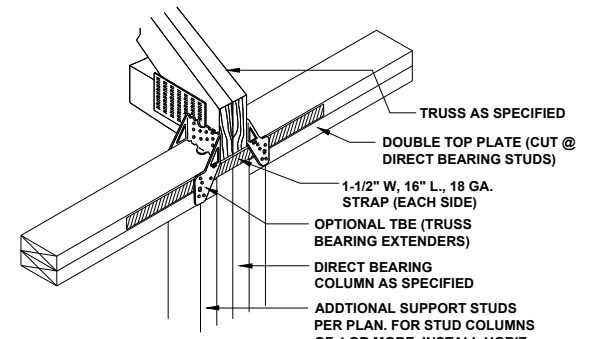
DATE: **04/15/2021** DRAWN BY: **AWC**

PLAN OPTIONS  
SLAB FOUNDATION PLANS

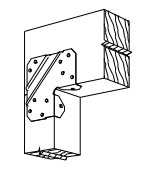
**S0.2B**



**OWNER'S SITTING ROOM SEE PG. S1.1B**

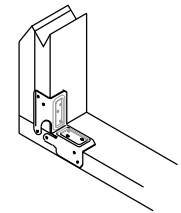


**(A) DIRECT BEARING**  
TRUSS NTS



**LCE4 BRACING CON.**  
NTS

- ▶ LCE4 CLIP TO HEADER JACK CONNECTION AND KBS1Z CLIP AT THE JACK BOTTOM PLATE CONNECTION
- ◆ CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MIN.
- ▶ SIMPSON HTT4 HOLD DOWN FOR ATTACHMENT TO CONCRETE OR MSTA18 STRAP FOR WOOD CONNECTIONS.



**KBS1Z BRACING CON.**  
NTS

**BEAM & POINT LOAD LEGEND**

	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

- STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)**
- ALL FRAMING TO BE #2 SPF MINIMUM.
  - ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
  - EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
  - ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
  - PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
  - ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
  - ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.
  - ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
  - FRONT PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24 BRACKETS. TRIM OUT PER BUILDER.
  - PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN) TO PORCH HEADER / BAND.
  - WHEN A 4-PLY LVL IS USED, ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURER'S SPECIFICATIONS).
  - FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

OPTIONAL 'L' SHAPED SHOWER DOES NOT AFFECT STRUCTURE

OPTIONAL SHOWER @ BATH 2 DOES NOT AFFECT STRUCTURE

OPTIONAL DELUXE KITCHEN DOES NOT AFFECT STRUCTURE



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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

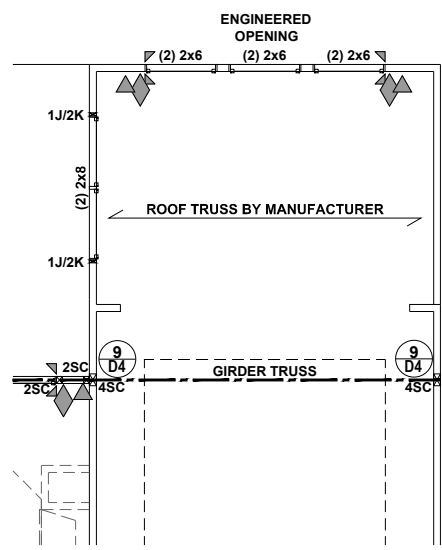
PROJECT NO.: **21900790**

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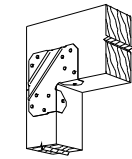
FIRST FLOOR CEILING FRAMING PLAN

**S1.0B**

**FIRST FLOOR CEILING FRAMING PLAN - CLASSIC**  
SCALE: 1/8" = 1'-0"



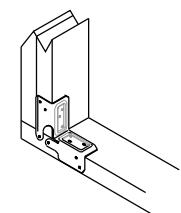
**OPT. SITTING ROOM**



**LCE4 BRACING CON.**

NTS

- ▾ LCE4 CLIP TO HEADER JACK CONNECTION AND KBS1Z CLIP AT THE JACK BOTTOM PLATE CONNECTION
- ◆ CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MIN.
- ▾ SIMPSON HTT4 HOLD DOWN FOR ATTACHMENT TO CONCRETE OR MST18 STRAP FOR WOOD CONNECTIONS.



**KBS1Z BRACING CON.**

NTS

**FIRST FLOOR CEILING FRAMING PLAN OPTIONS - CLASSIC**

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

**BEAM & POINT LOAD LEGEND**

- ▬ INTERIOR LOAD BEARING WALL
- - - ROOF RAFTER / TRUSS SUPPORT
- · - · - DOUBLE RAFTER / DOUBLE JOIST
- ▬ STRUCTURAL BEAM / GIRDER
- ▬ WINDOW / DOOR HEADER
- ⊠ POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

**STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)**

1. ALL FRAMING TO BE #2 SPF MINIMUM.
2. ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
3. EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
4. ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
5. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
6. ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
7. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.
8. ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
9. FRONT PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24 BRACKETS. TRIM OUT PER BUILDER.
10. PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN) TO PORCH HEADER / BAND.
11. WHEN A 4-PLY LVL IS USED, ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURER'S SPECIFICATIONS).
12. FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

OPTIONAL SLIDING GLASS DOOR DOES NOT AFFECT STRUCTURE

SEE FULL PLAN FOR ADDITIONAL INFORMATION



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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

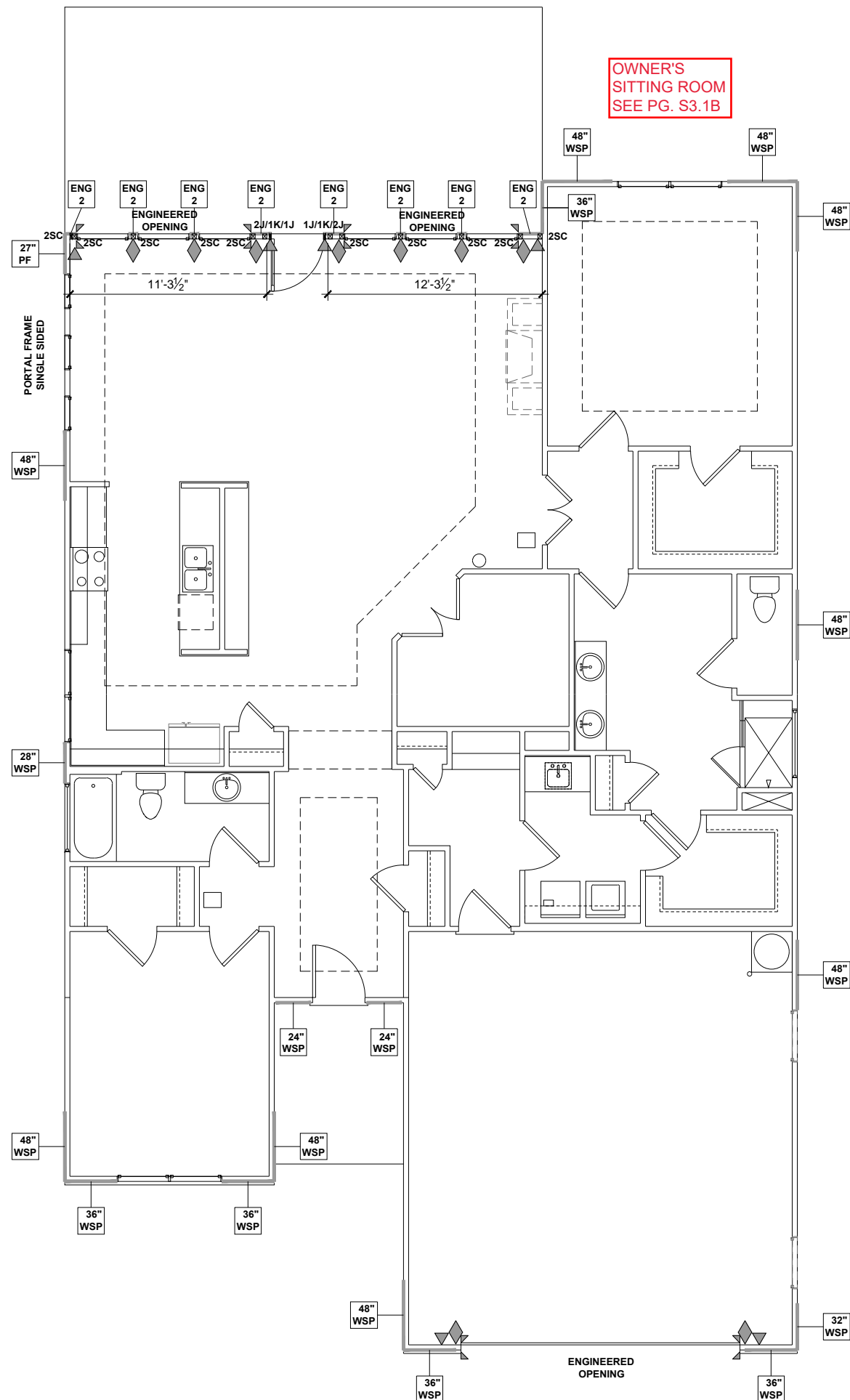
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PROJECT NO.: **21900790**

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FIRST FLOOR OPTIONS  
CEILING FRAMING PLANS

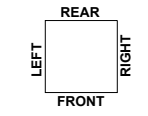
**S1.1B**



OWNER'S  
SITTING ROOM  
SEE PG. S3.1B

**WALL BRACING REQUIREMENTS**

- MINIMUM PANEL WIDTH IS 24"
- FIGURES BASED ON THE CONTINUOUS SHEATHING METHOD USING THE RECTANGLE CIRCUMSCRIBED AROUND THE FLOOR PLAN OR PORTION OF THE FLOOR PLAN. IF NO RECTANGLE IS NOTED, THE STRUCTURE HAS BEEN FIGURED AS WITHIN ONE RECTANGLE.
- PANELS MAY SHIFT UP TO 36" EITHER DIRECTION FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY).
- FOR ADDITIONAL WALL BRACING INFORMATION, REFER TO WALL BRACING DETAIL SHEET(S).
- SCHEMATIC BELOW INDICATES HOW SIDES OF RECTANGLE ARE TO BE INTERPRETED IN BRACING CHART WHEN APPLIED TO STRUCTURE:



- CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MINIMUM
  - SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 10d NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL. (CS16 STRAPPING MAY BE SUBSTITUTED w/ SIMILAR LENGTH AND NAILING PATTERN.) USE HTT4 FOR ATTACHMENT TO CONCRETE.
- SCALED LENGTH OF WALL PANEL AT LOCATION NUMERICAL LENGTH OF PANEL PANEL TYPE

**ENGINEERED WALL SCHEDULE**

- ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

**WALL BRACING NOTE:**

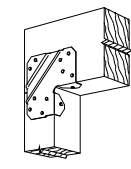
WALLS WITH REQUIRED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCR. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

**WALL BRACING: RECTANGLE 1**

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	12.9 FT.	16.0 FT.
RIGHT	8.4 FT.	14.7 FT.
REAR	12.9 FT.	N/A
LEFT	8.4 FT.	13.7 FT.

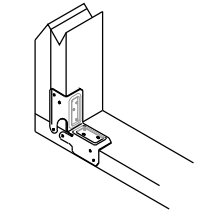
**LCE4 BRACING CON.**

- NTS
- LCE4 CLIP TO HEADER JACK CONNECTION AND KBS1Z CLIP AT THE JACK BOTTOM PLATE CONNECTION
  - CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MIN.
  - SIMPSON HTT4 HOLD DOWN FOR ATTACHMENT TO CONCRETE OR MSTA18 STRAP FOR WOOD CONNECTIONS.



**KBS1Z BRACING CON.**

NTS



**FIRST FLOOR WALL BRACING PLAN - CLASSIC**

SCALE: 1/8" = 1'-0"  
LAYOUTS AND SPECIFICATIONS FOR ULTIMATE WIND SPEEDS LESS THAN 130 MPH ONLY



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CLIENT: MCKEE HOMES

PROJECT: TORINO 2020 - RIGHT HAND

LOCATION: NORTH CAROLINA

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

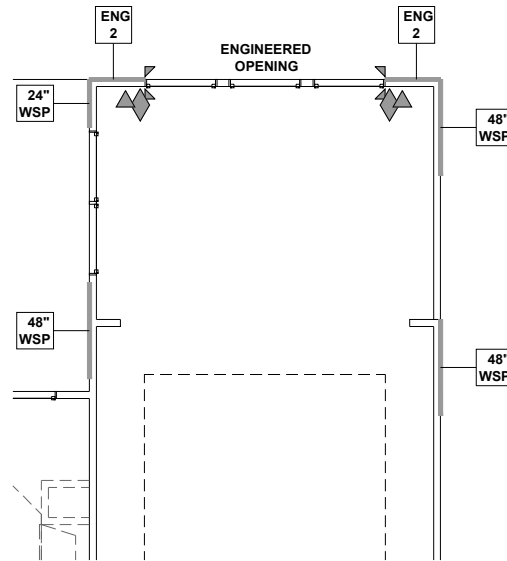
PROJECT NO.: 21900790

DATE: 04/15/2021

DRAWN BY: AWC

FIRST FLOOR WALL BRACING PLAN

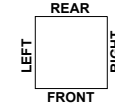
**S3.0B**



**OPT. SITTING ROOM**

**WALL BRACING REQUIREMENTS**

- MINIMUM PANEL WIDTH IS 24"
- FIGURES BASED ON THE CONTINUOUS SHEATHING METHOD USING THE RECTANGLE CIRCUMSCRIBED AROUND THE FLOOR PLAN OR PORTION OF THE FLOOR PLAN. IF NO RECTANGLE IS NOTED, THE STRUCTURE HAS BEEN FIGURED ALL WITHIN ONE RECTANGLE.
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- ◆ CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MINIMUM
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- SCALED LENGTH OF WALL PANEL AT LOCATION NUMERICAL LENGTH OF PANEL  
PANEL TYPE

**ENGINEERED WALL SCHEDULE**

- ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
- ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED BOTH SIDES WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.
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**WALL BRACING NOTE:**

WALLS WITH REQUIRED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCR. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

SEE FULL PLAN FOR ADDITIONAL INFORMATION



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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: **21900790**

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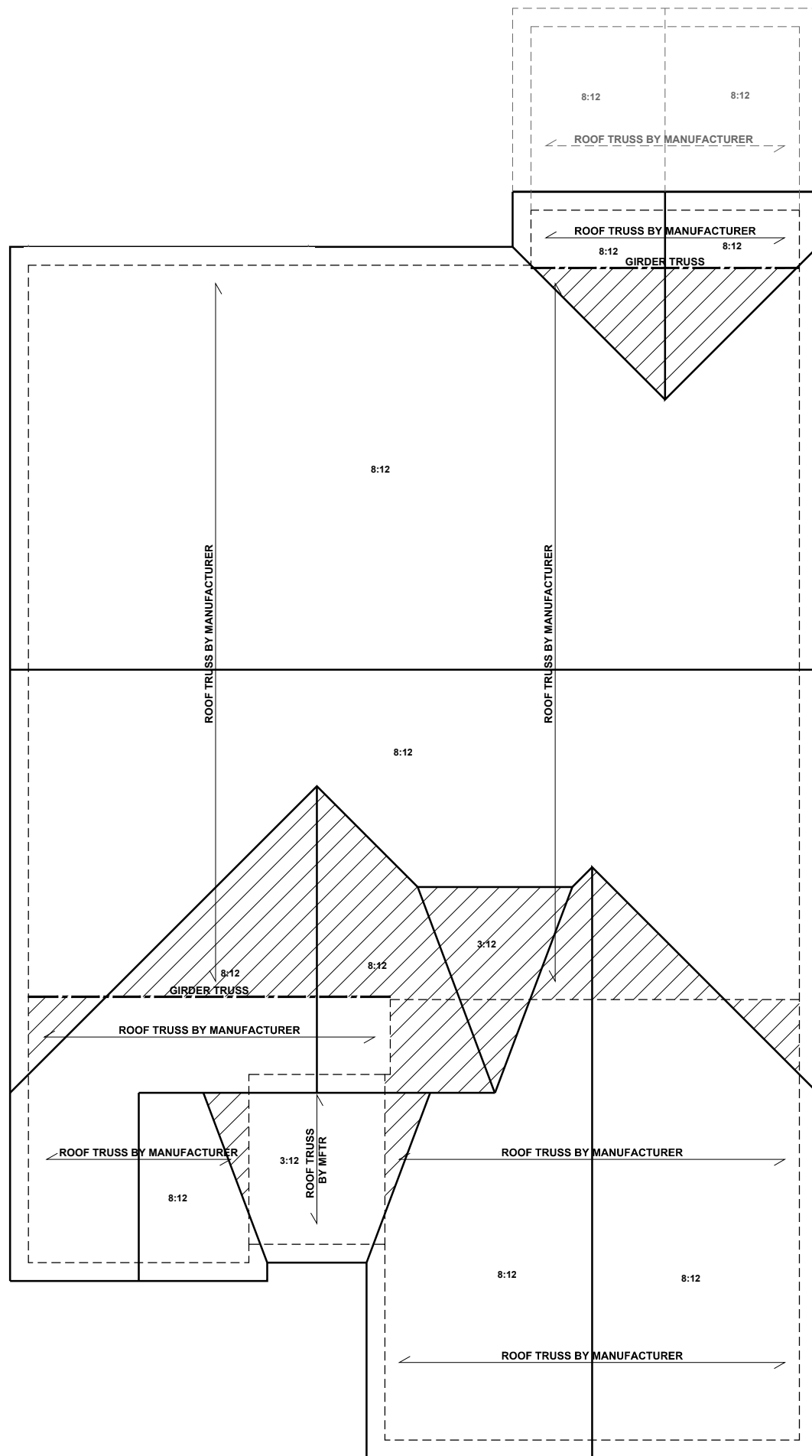
FIRST FLOOR OPTIONS  
WALL BRACING PLANS

**S3.1B**

**FIRST FLOOR WALL BRACING PLAN - OPTIONS - CLASSIC**

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

LAYOUTS AND SPECIFICATIONS FOR ULTIMATE WIND SPEEDS LESS THAN 130 MPH ONLY



**OPT. SITTING ROOM**

**ATTIC VENTILATION - OPT. SITTING ROOM**

THE TOTAL NET-FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE ATTIC SPACE TO BE VENTILATED. THE TOTAL VENTILATION MAY BE REDUCED TO 1/300 PROVIDED AT LEAST 50% BUT NOT MORE THAN 80% OF THE REQUIRED VENTILATION BE LOCATED IN THE UPPER PORTION OF THE AREA TO BE VENTILATED, OR AT LEAST 3' ABOVE THE SOFFIT VENTILATION INTAKE.

+146 SQUARE FEET OF TOTAL ATTIC / 150 =  
 +1 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

**ROOF FRAMING PLAN - CLASSIC**  
 SCALE: 1/8" = 1'-0"

**BEAM & POINT LOAD LEGEND**

	INTERIOR LOAD BEARING WALL
	ROOF RAFTER / TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

- TRUSSED ROOF - STRUCTURAL NOTES**
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
  - DENOTES OVER-FRAMED AREA
  - MINIMUM 7/16" OSB ROOF SHEATHING
  - TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
  - MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
  - PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
  - UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

**ATTIC VENTILATION**

THE TOTAL NET-FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE ATTIC SPACE TO BE VENTILATED. THE TOTAL VENTILATION MAY BE REDUCED TO 1/300 PROVIDED AT LEAST 50% BUT NOT MORE THAN 80% OF THE REQUIRED VENTILATION BE LOCATED IN THE UPPER PORTION OF THE AREA TO BE VENTILATED, OR AT LEAST 3' ABOVE THE SOFFIT VENTILATION INTAKE.

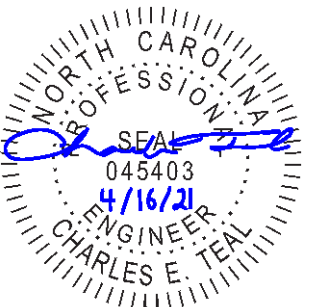
2537 SQUARE FEET OF TOTAL ATTIC / 150 =  
 16.9 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

**TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING**

TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

ROOF PLAN UP TO 28'	CONNECTOR NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION
OVER 28'	(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE



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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

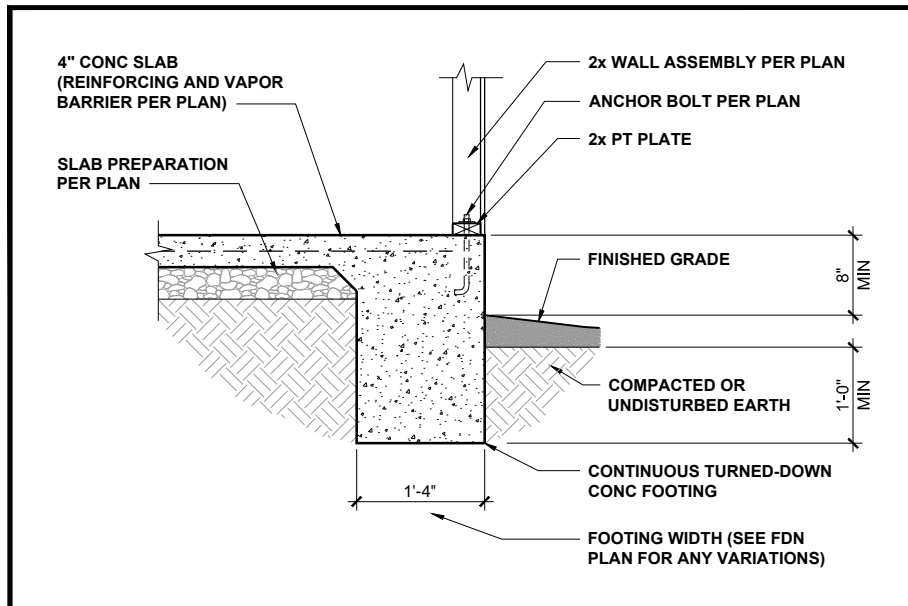
LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 24x36 PAPER, OR AS NOTED

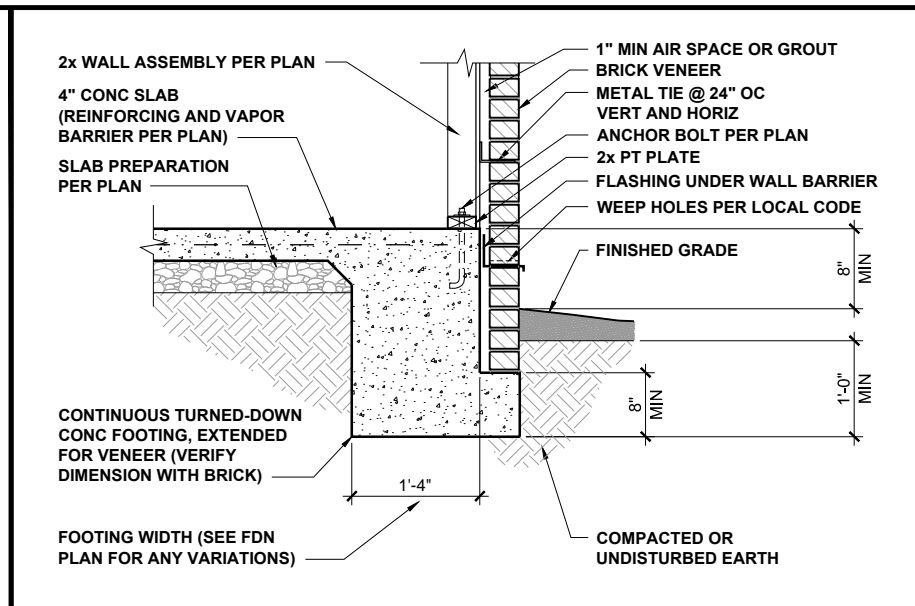
PROJECT NO.: **21900790**

DATE: **04/15/2021** DRAWN BY: **AWC**

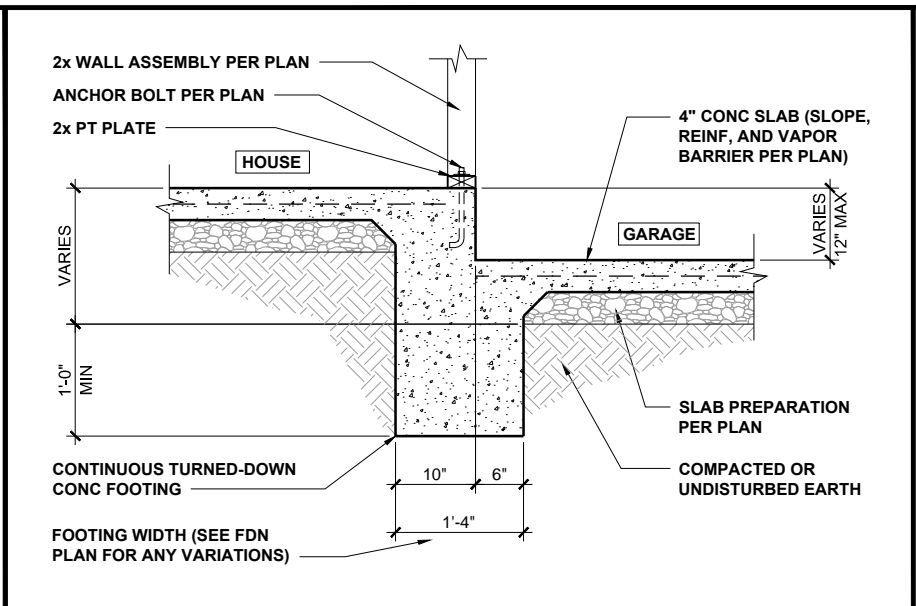
ROOF FRAMING PLAN  
**S5.0B**



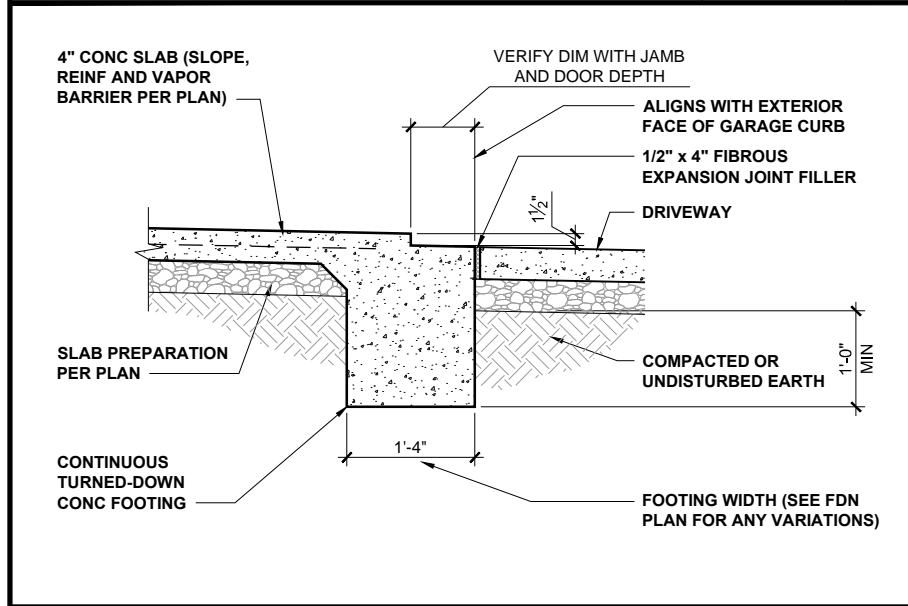
**TURNED-DOWN CONC SLAB FOOTING** 1/2" = 1'-0" **1**



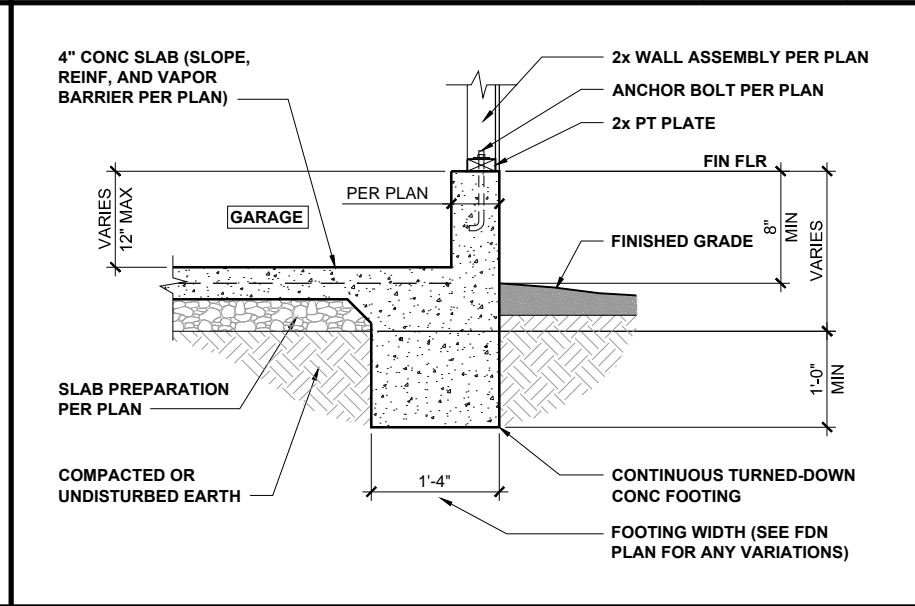
**TURNED-DOWN FOOTING w/ BRICK** 1/2" = 1'-0" **2**



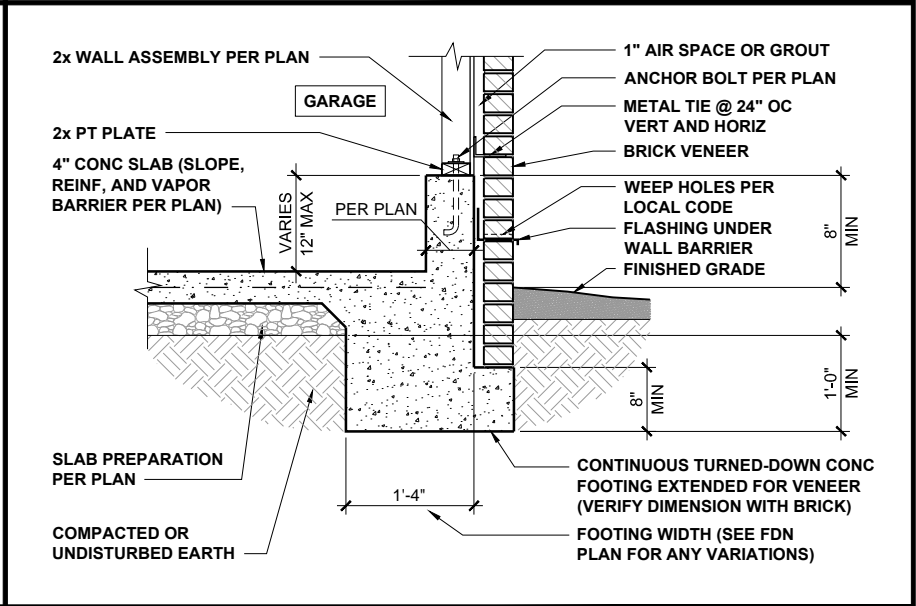
**HOUSE / GARAGE FOOTING** 1/2" = 1'-0" **3**



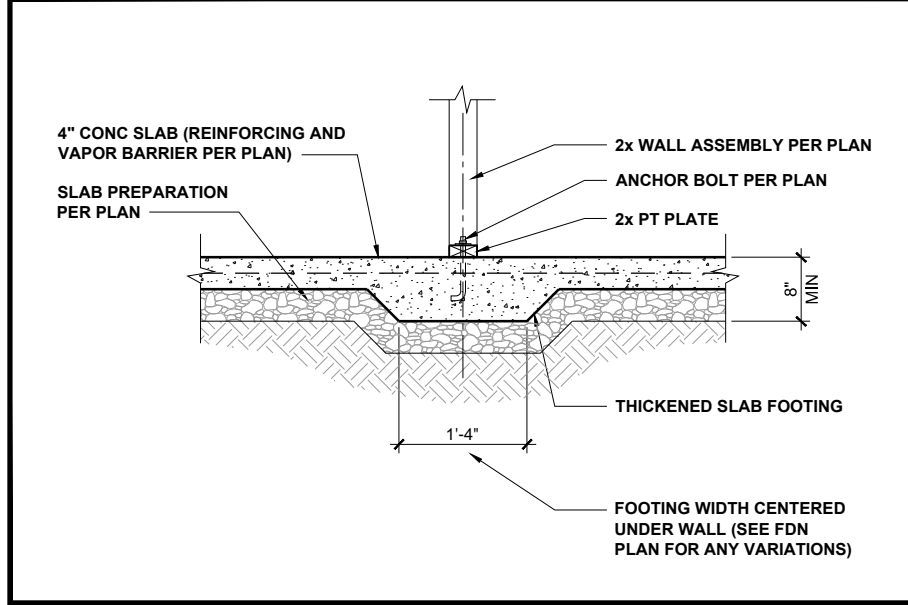
**GARAGE DOORWAY FOOTING** 1/2" = 1'-0" **4**



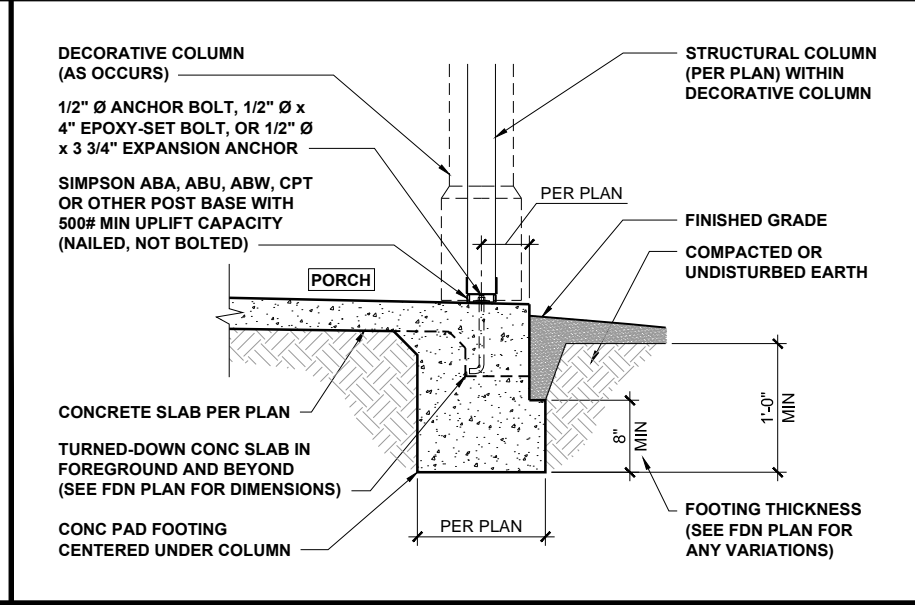
**GARAGE FOUNDATION** 1/2" = 1'-0" **5**



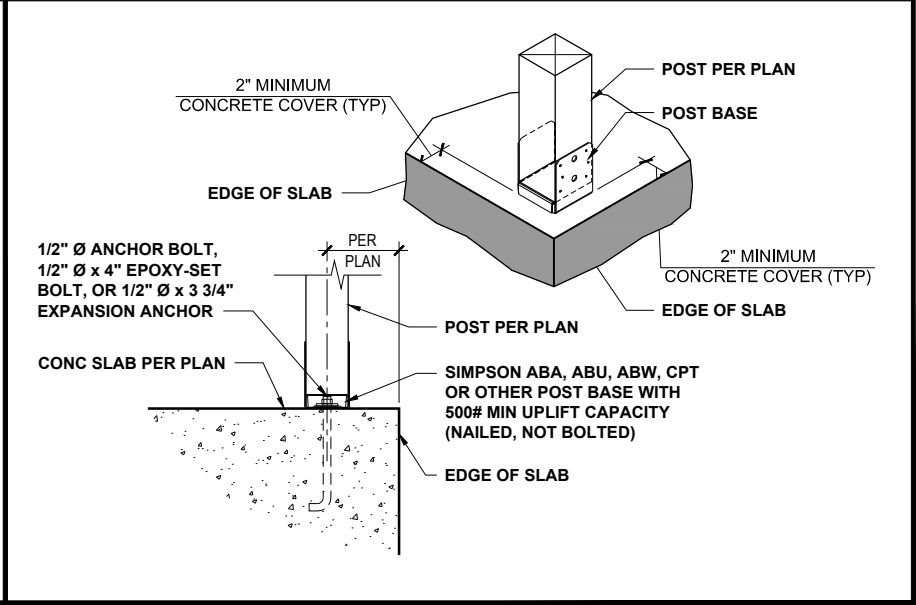
**GARAGE FOUNDATION WITH BRICK** 1/2" = 1'-0" **6**



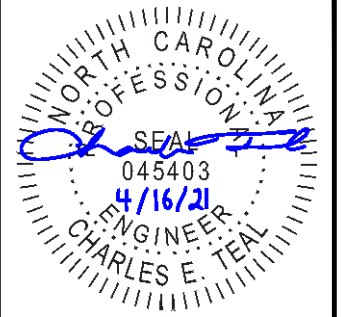
**INTERIOR FOOTING** 1/2" = 1'-0" **7**



**PORCH COLUMN FOUNDATION** 1/2" = 1'-0" **8**



**PORCH COLUMN** 3/4" = 1'-0" **9**



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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

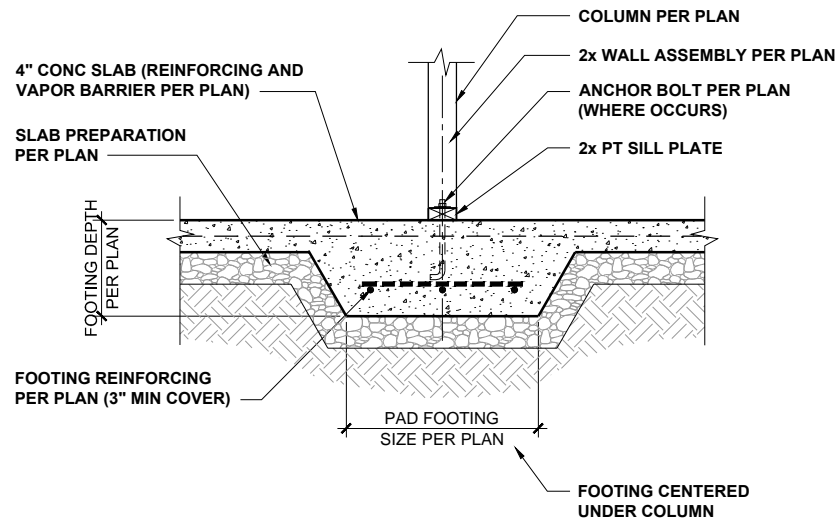
SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: **21900790**

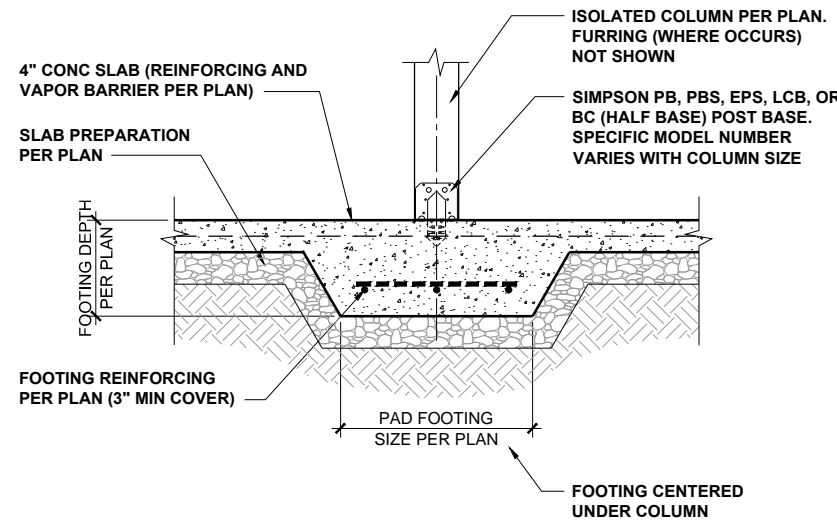
DATE: **04/15/2021** DRAWN BY: **AWC**

TURNED-DOWN SLAB FOUNDATION DETAILS

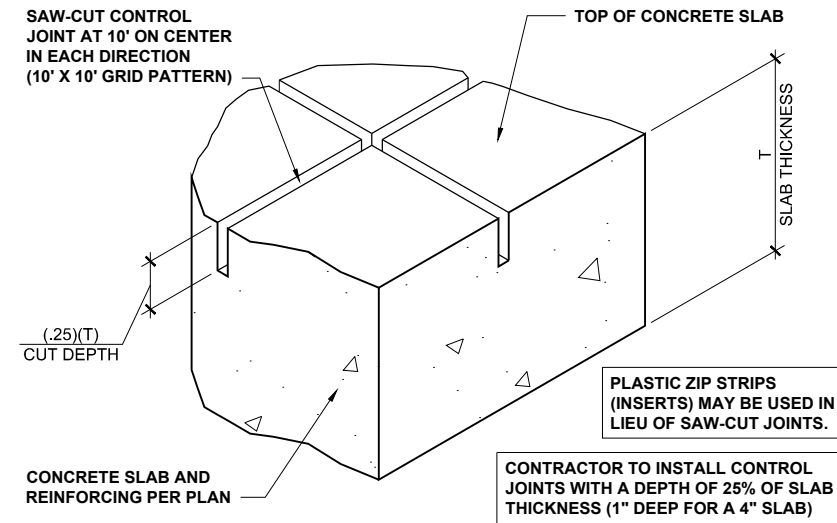
**D1.0**



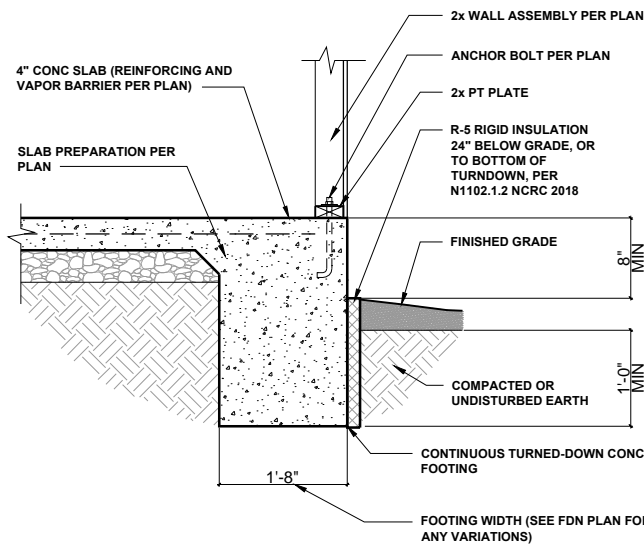
**INT POINT-LOAD FOOTING SECTION** 1/2" = 1'-0" **1**



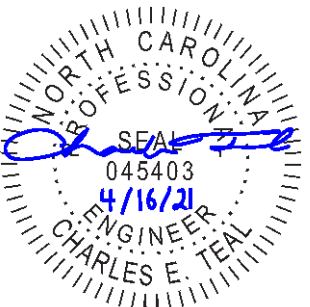
**ISOLATED COLUMN FOOTING** 1/2" = 1'-0" **2**



**CONCRETE SLAB CONTROL JOINTS** 3" = 1'-0" **3**



**TURNDOWN SLAB DEATIL W/ INSULATION** 1/4" = 1'-0" **4**



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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

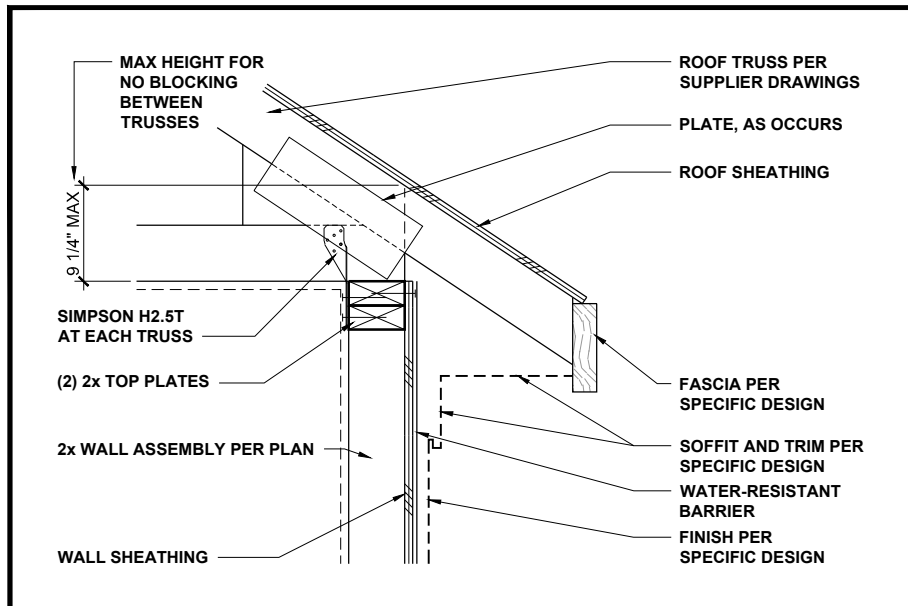
PROJECT NO.: **21900790**

DATE: **04/15/2021** DRAWN BY: **AWC**

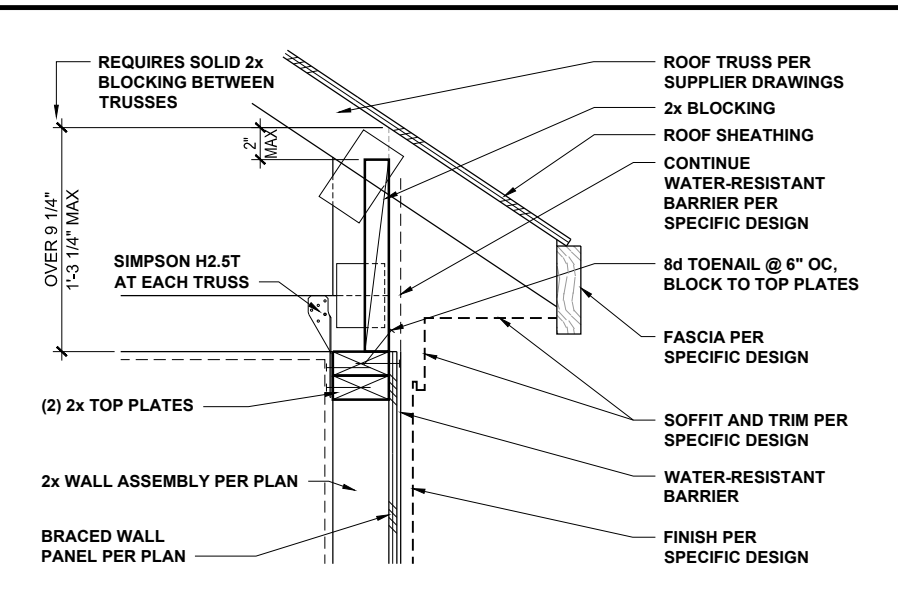
TURNED-DOWN SLAB FOUNDATION DETAILS

**D2.0**

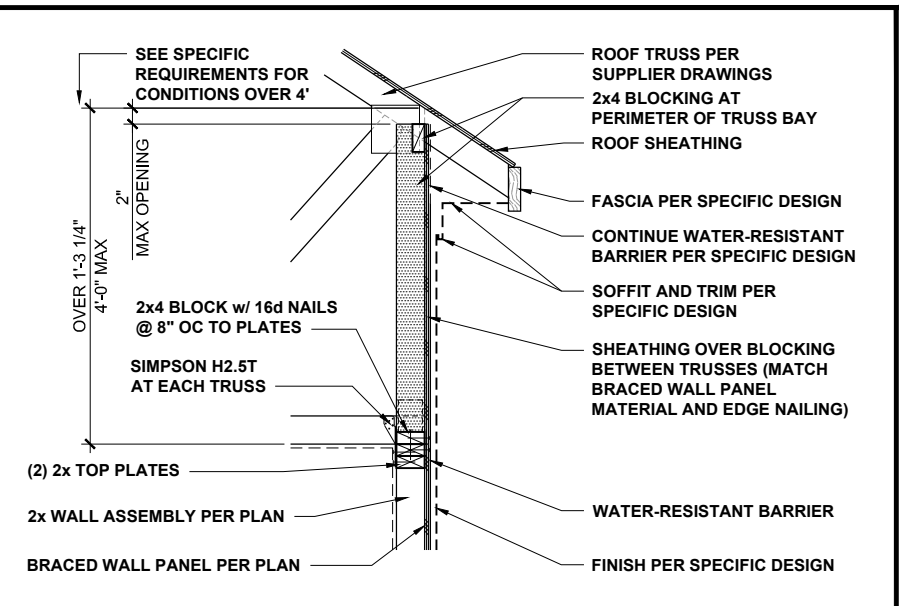




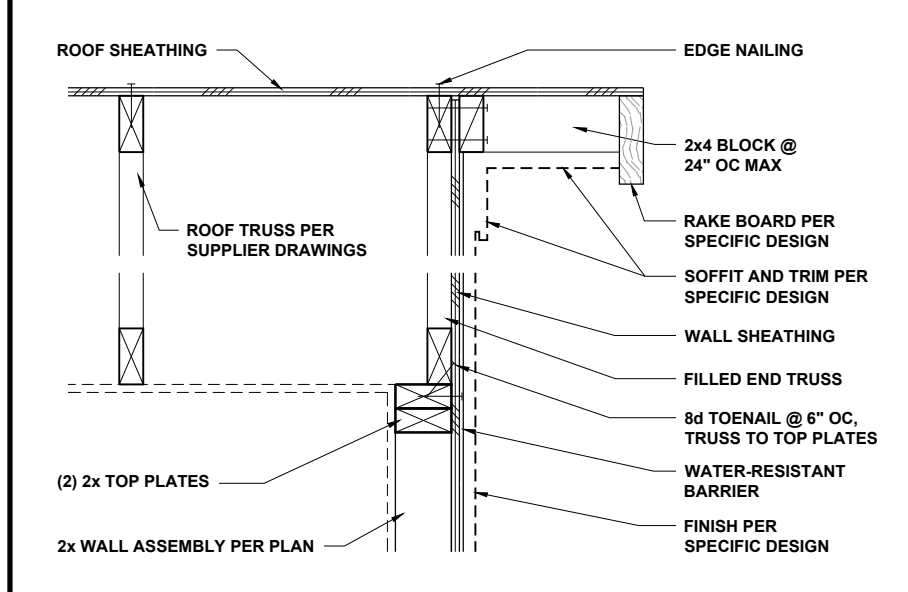
**LOW-HEEL TRUSS AT WALL** 1" = 1'-0" **1**



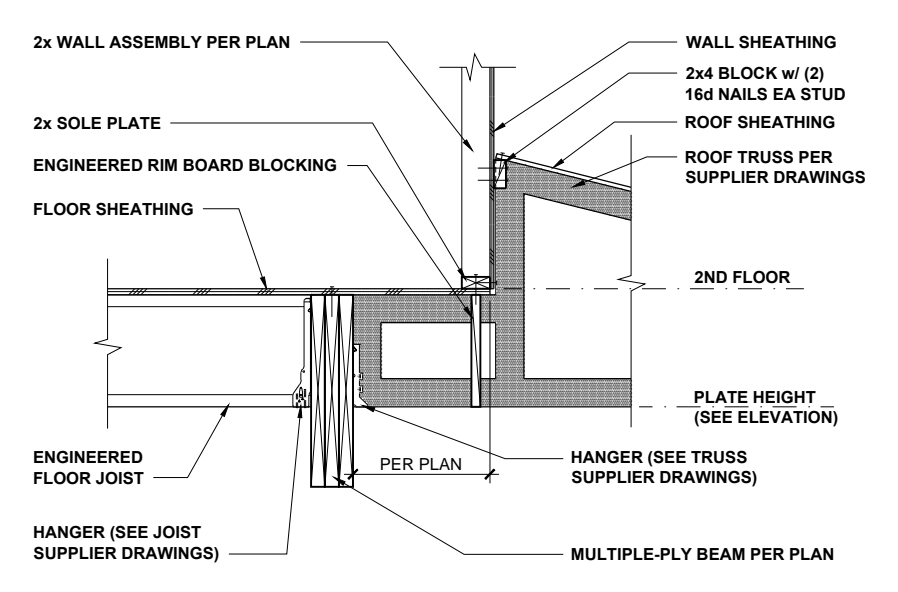
**TYPICAL TRUSS AT BRACED WALL** 1" = 1'-0" **2**



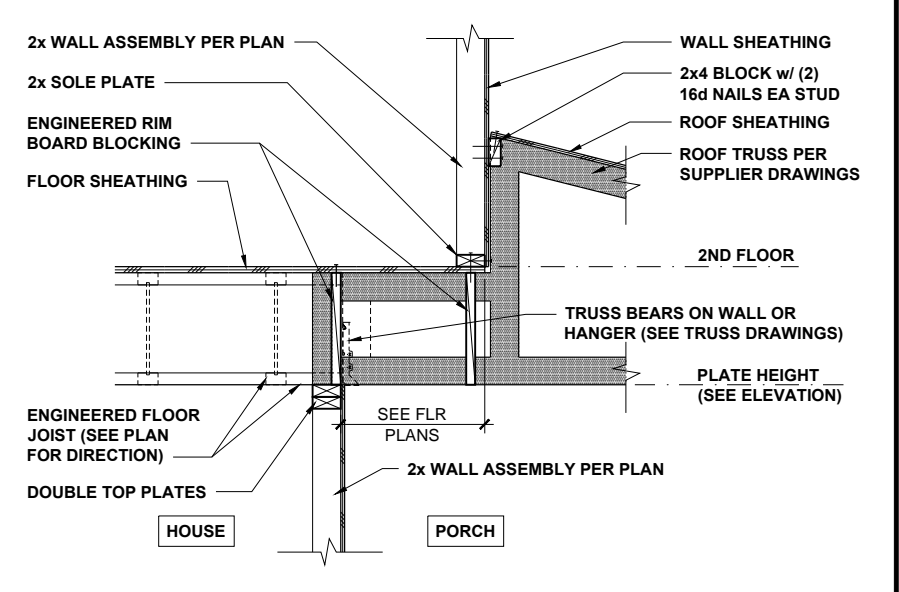
**HIGH-HEEL TRUSS AT BRACED WALL** 1/2" = 1'-0" **3**



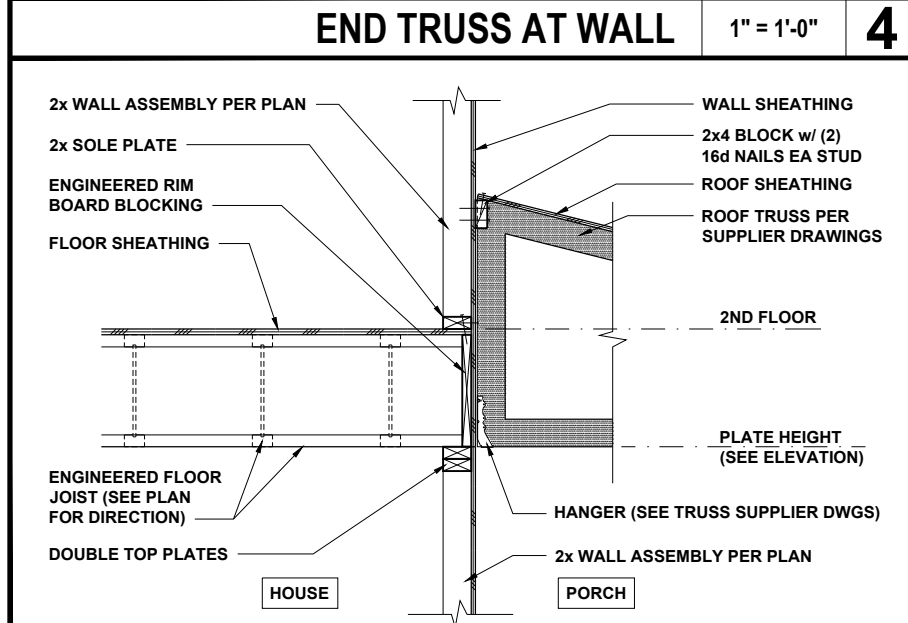
**END TRUSS AT WALL** 1" = 1'-0" **4**



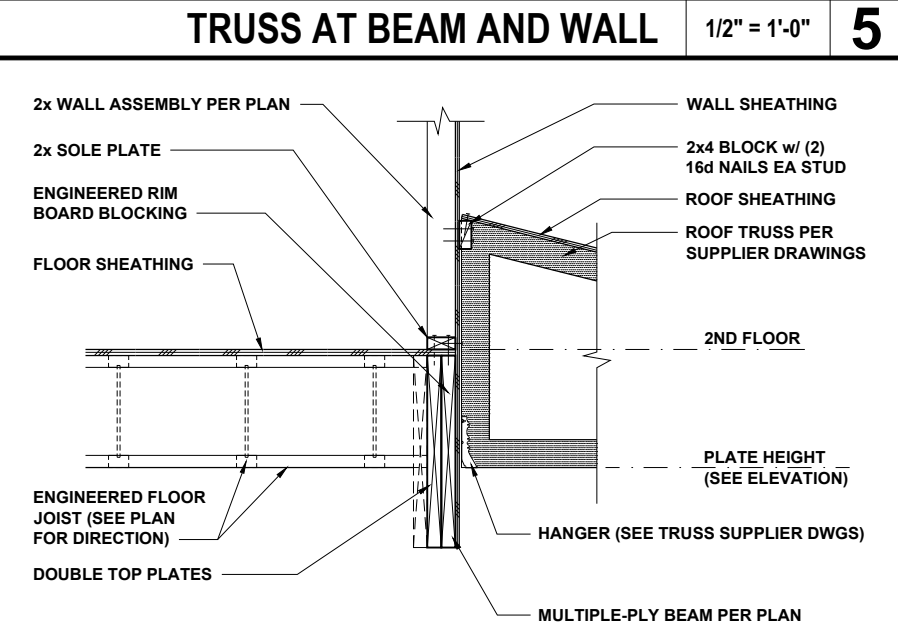
**TRUSS AT BEAM AND WALL** 1/2" = 1'-0" **5**



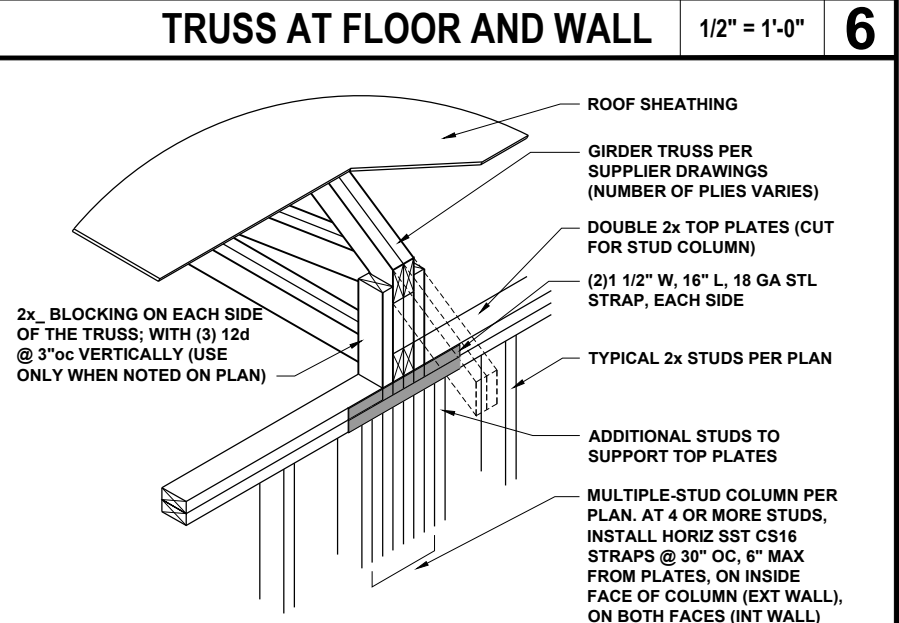
**TRUSS AT FLOOR AND WALL** 1/2" = 1'-0" **6**



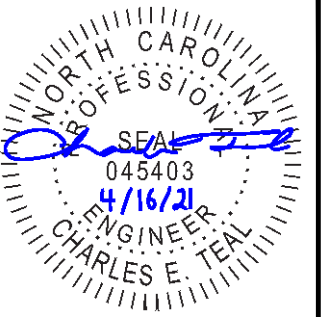
**TRUSS AT FLOOR AND WALL** 1/2" = 1'-0" **7**



**TRUSS AT BEAM AND WALL** 1/2" = 1'-0" **8**



**GIRDER TRUSS AT WALL** 1/2" = 1'-0" **9**



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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

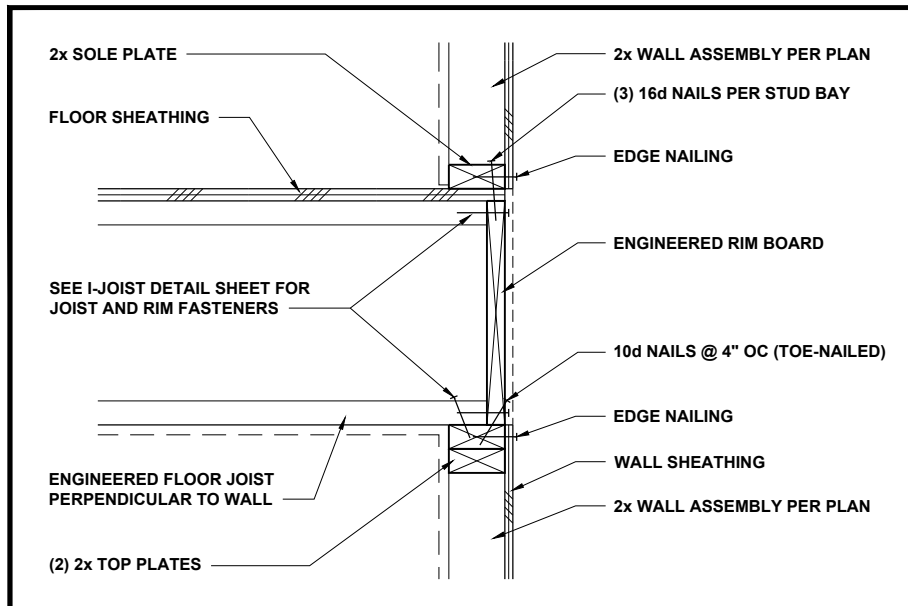
SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: **21900790**

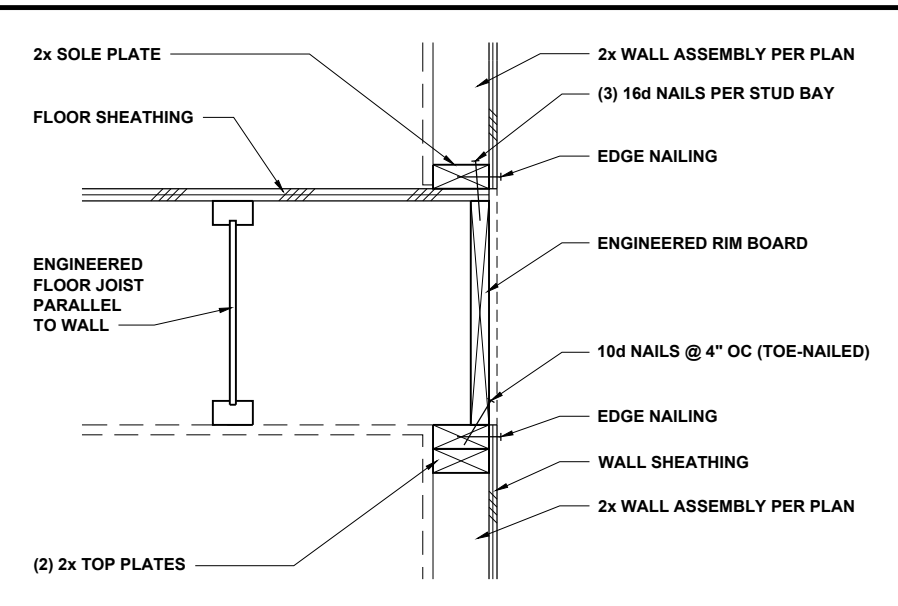
DATE: **04/15/2021** DRAWN BY: **AWC**

ROOF TRUSS FRAMING DETAILS

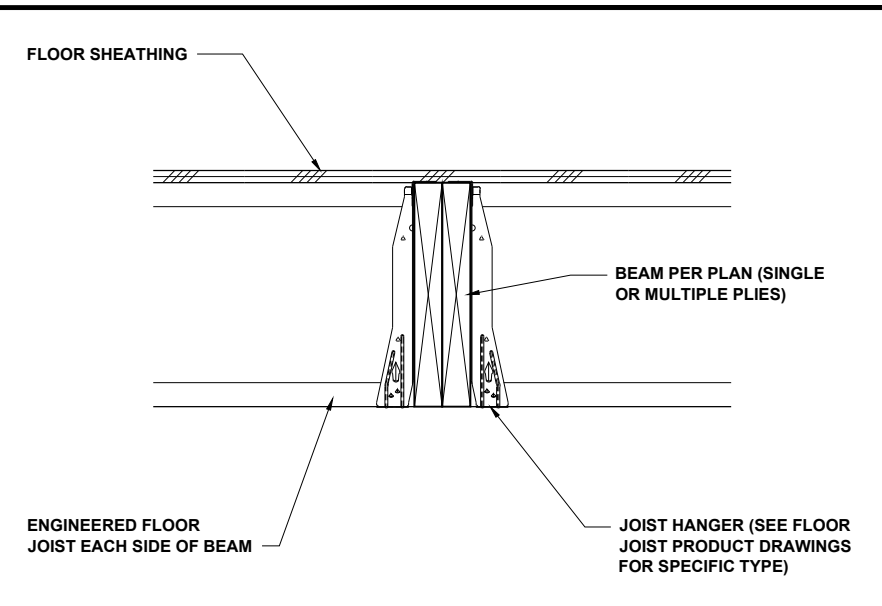
**D4.0**



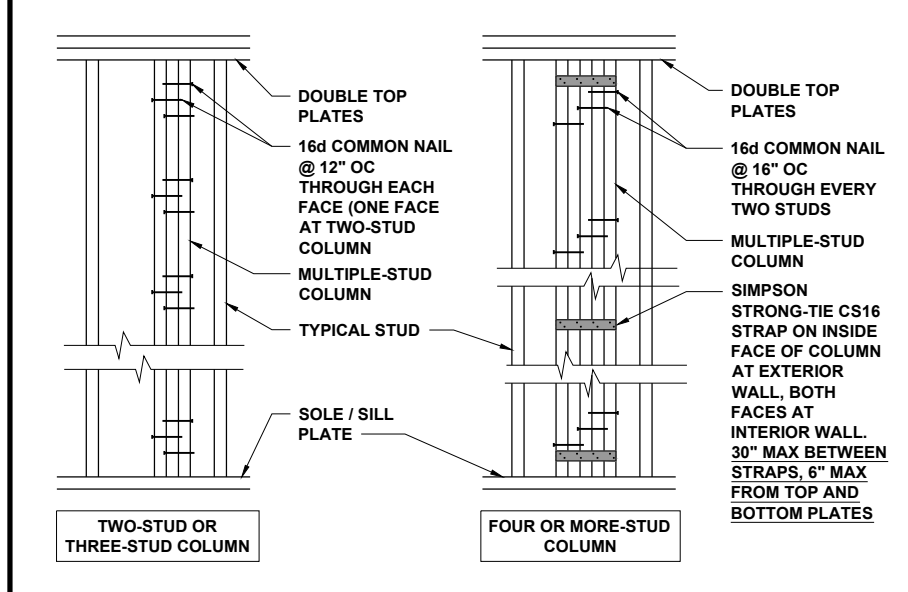
**FLOOR JOISTS PERP TO WALL** 1" = 1'-0" **1**



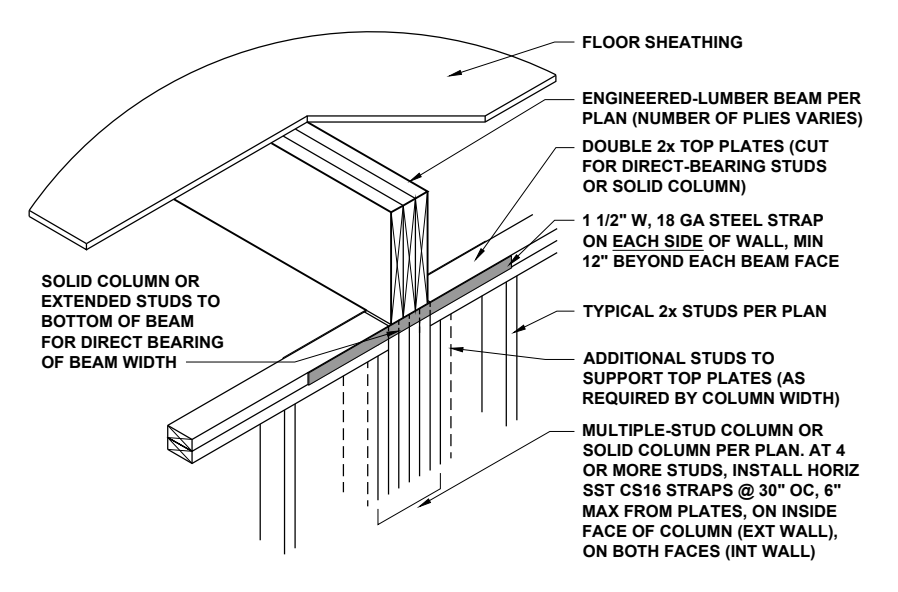
**FLOOR JOISTS PARALLEL TO WALL** 1" = 1'-0" **2**



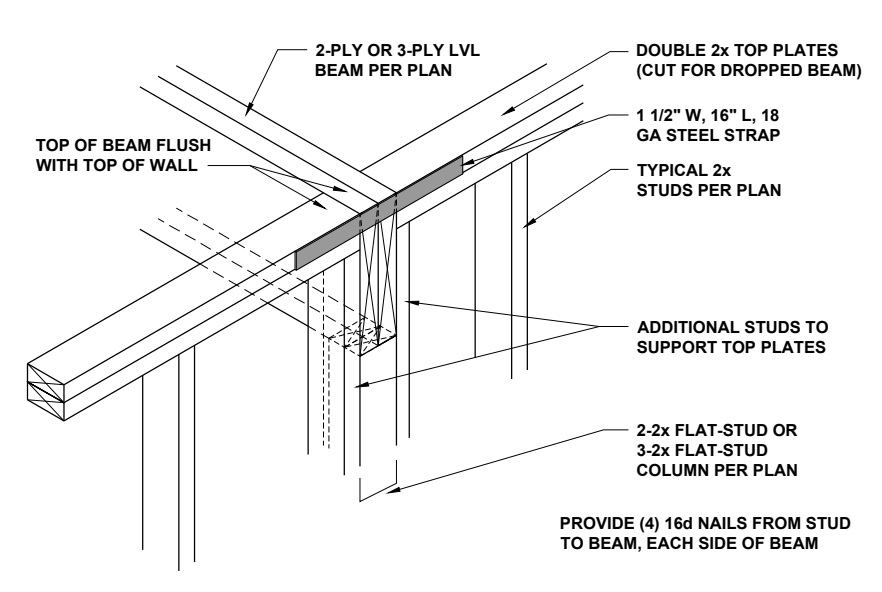
**FLOOR JOISTS AT FLUSH BEAM** 3/4" = 1'-0" **3**



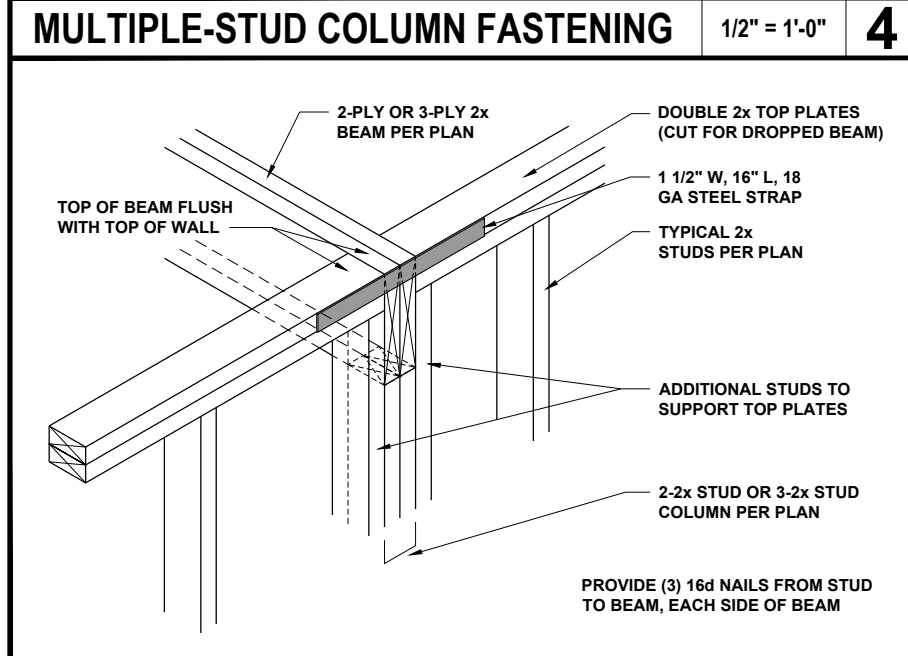
**MULTIPLE-STUD COLUMN FASTENING** 1/2" = 1'-0" **4**



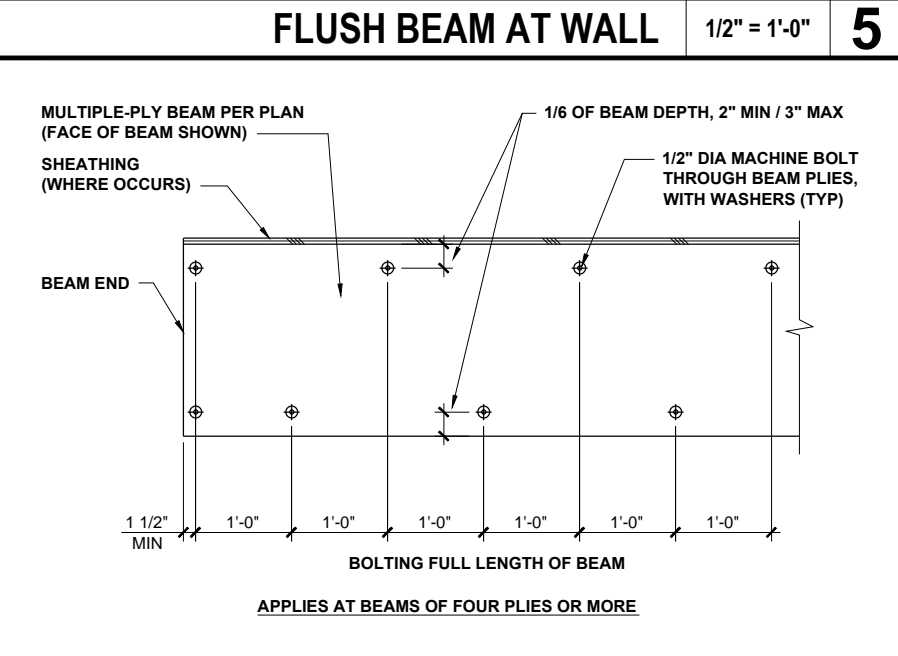
**FLUSH BEAM AT WALL** 1/2" = 1'-0" **5**



**DROPPED LVL BEAM AT WALL** 3/4" = 1'-0" **6**



**DROPPED 2x BEAM AT WALL** 3/4" = 1'-0" **7**



**MULTIPLE-PLY BEAM BOLTING** 1/2" = 1'-0" **8**



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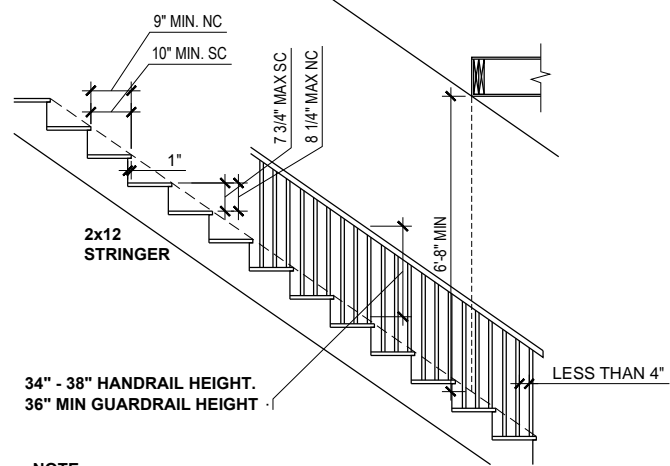
CLIENT: **MCKEE HOMES**  
 PROJECT: **TORINO 2020 - RIGHT HAND**  
 LOCATION: **NORTH CAROLINA**  
 SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: **21900790**

DATE: **04/15/2021** DRAWN BY: **AWC**

MISCELLANEOUS FRAMING DETAILS

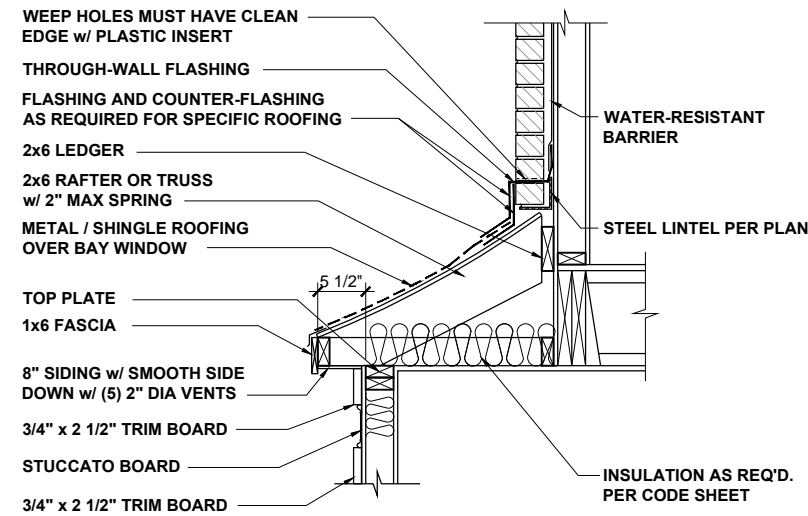
**D5.0**



NOTE:  
EACH TREAD AND RISER MUST BE UNIFORM,  
WITH NO MORE THAN 3/8\"/>

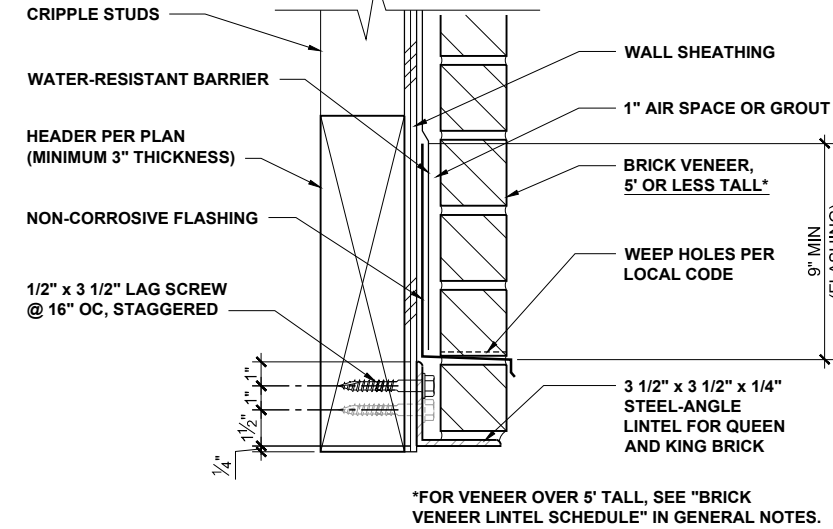
**TYPICAL STAIR REQUIREMENTS**

1/4" = 1'-0" **1**



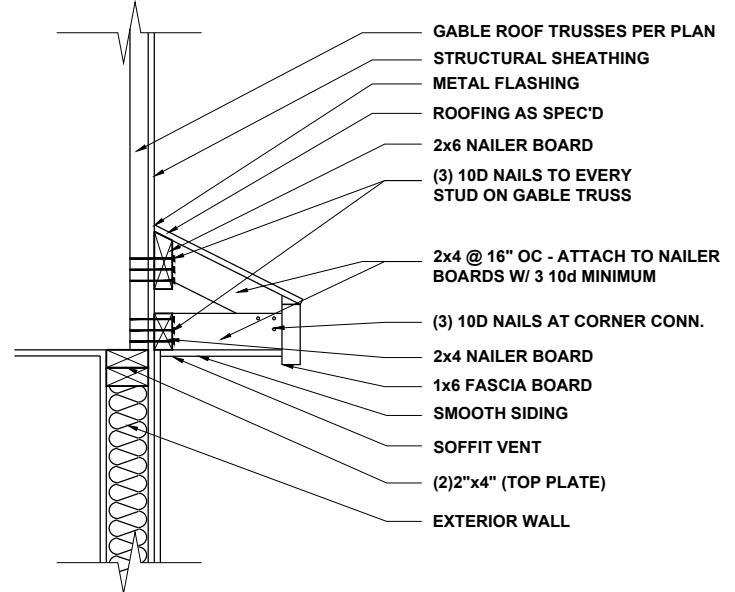
**BAY ROOF**

1/2" = 1'-0" **2**



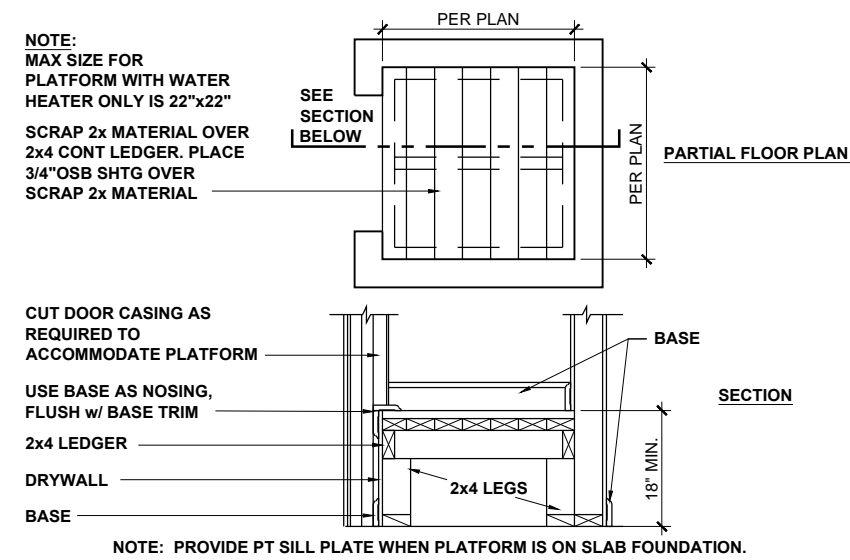
**ALTERNATE LINTEL AT WIDE OPENING**

1 1/2" = 1'-0" **3**



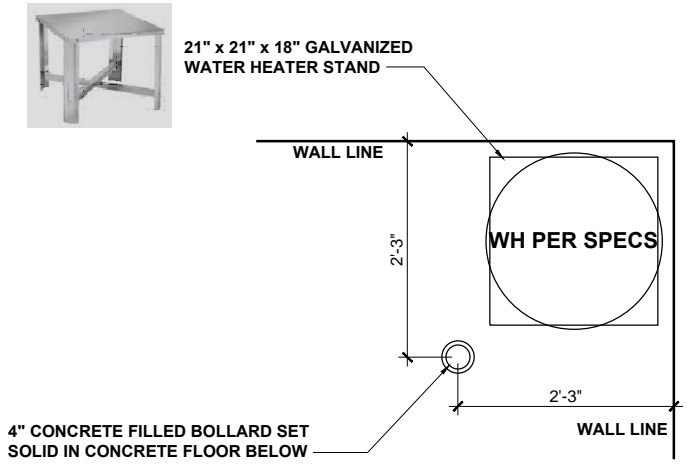
**GABLE ROOF RETURN**

3/4" = 1'-0" **4**



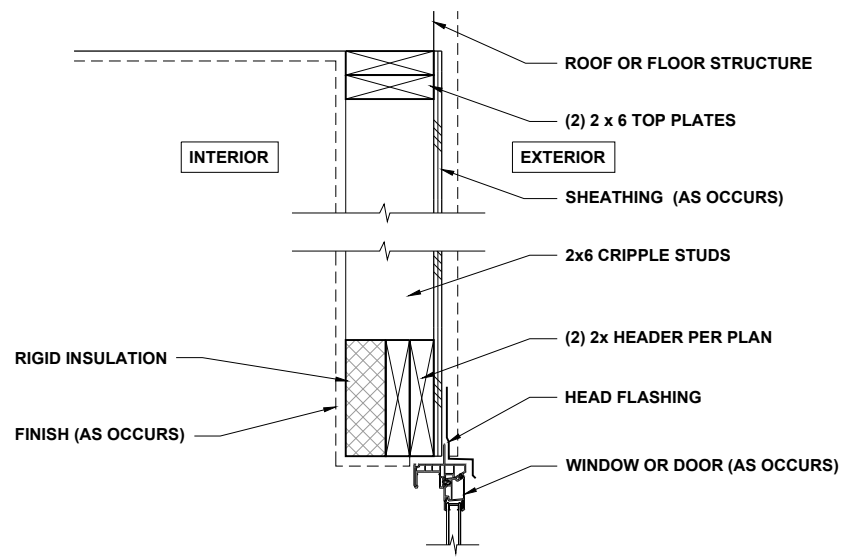
**HVAC / WATER HEATER CLOSET**

1/2" = 1'-0" **5**



**WATER HTR PLATFORM IN GARAGE**

1/2" = 1'-0" **6**



**HEADER WITH INSULATION**

1" = 1'-0" **7**



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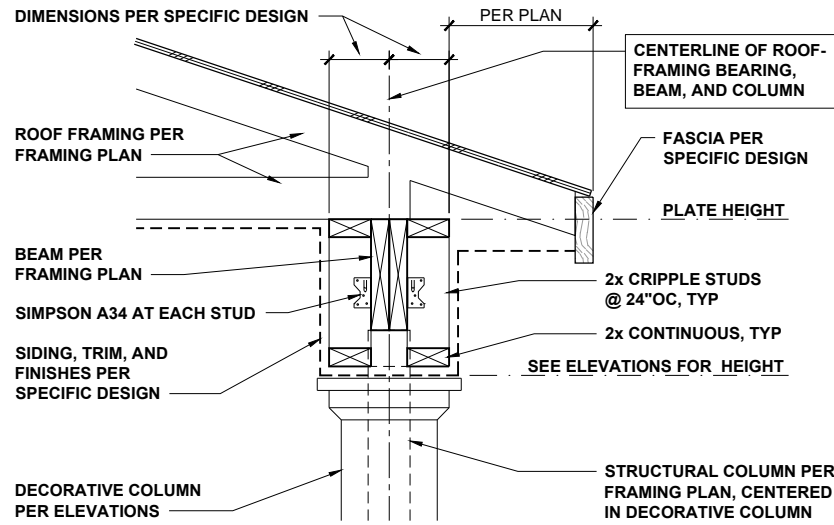
CLIENT:	<b>MCKEE HOMES</b>
PROJECT:	<b>TORINO 2020 - RIGHT HAND</b>
LOCATION:	<b>NORTH CAROLINA</b>
SCALE:	1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: **21900790**

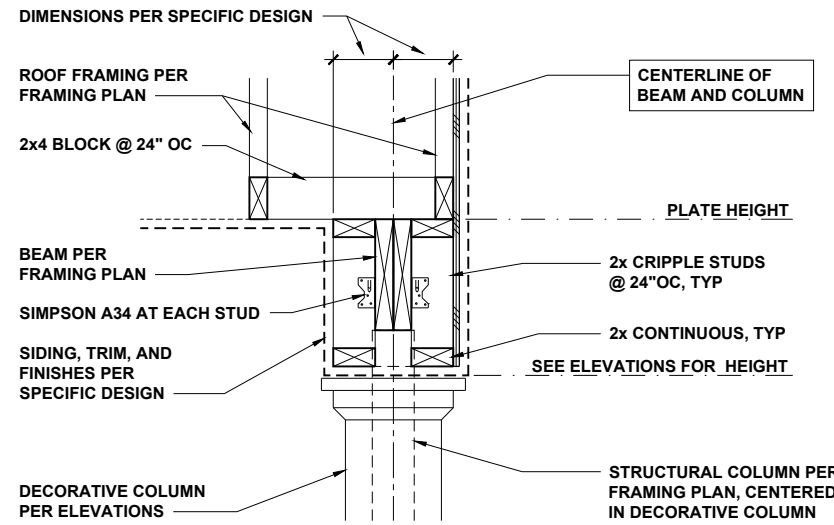
DATE: **04/15/2021** DRAWN BY: **AWC**

MISCELLANEOUS  
FRAMING DETAILS

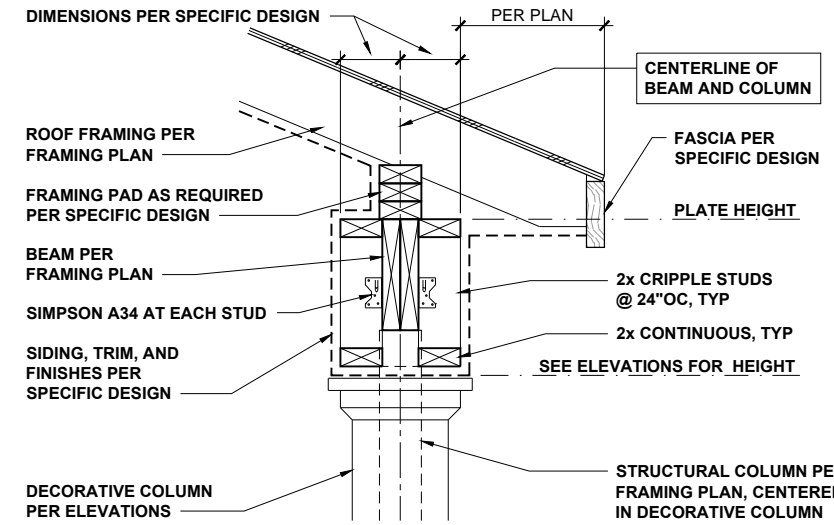
**D6.0**



**COVERED PORCH EAVES**    3/4" = 1'-0"    **1**



**COVERED PORCH RAKE**    3/4" = 1'-0"    **2**



**COVERED PORCH WITH SLOPING CLG**    3/4" = 1'-0"    **3**



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PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

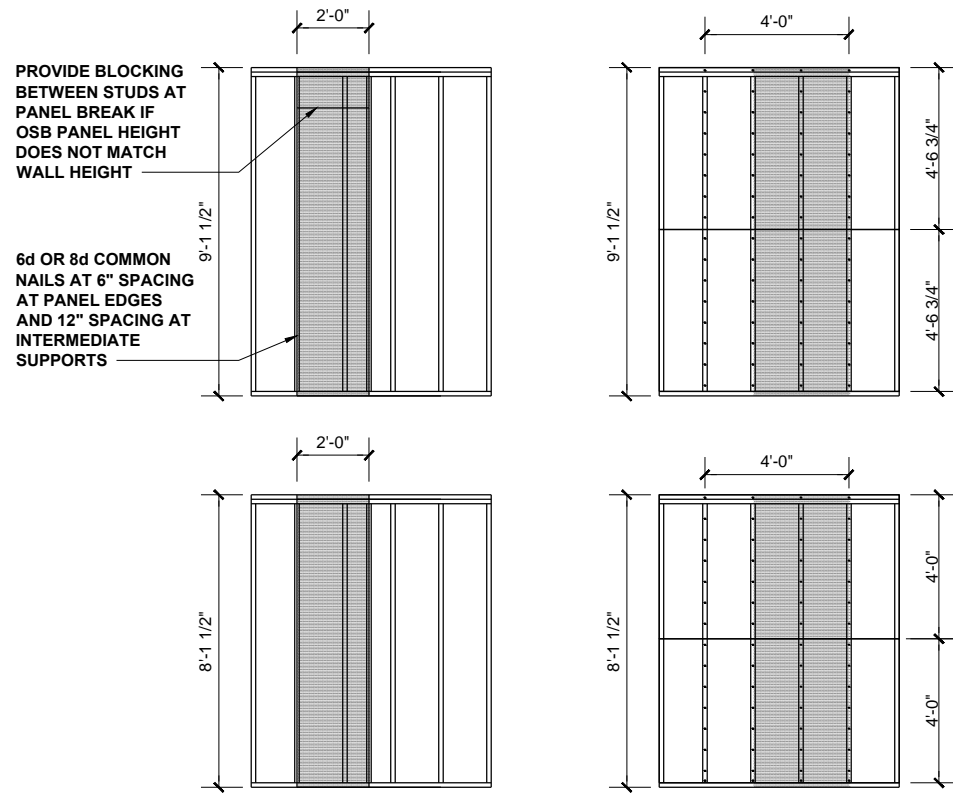
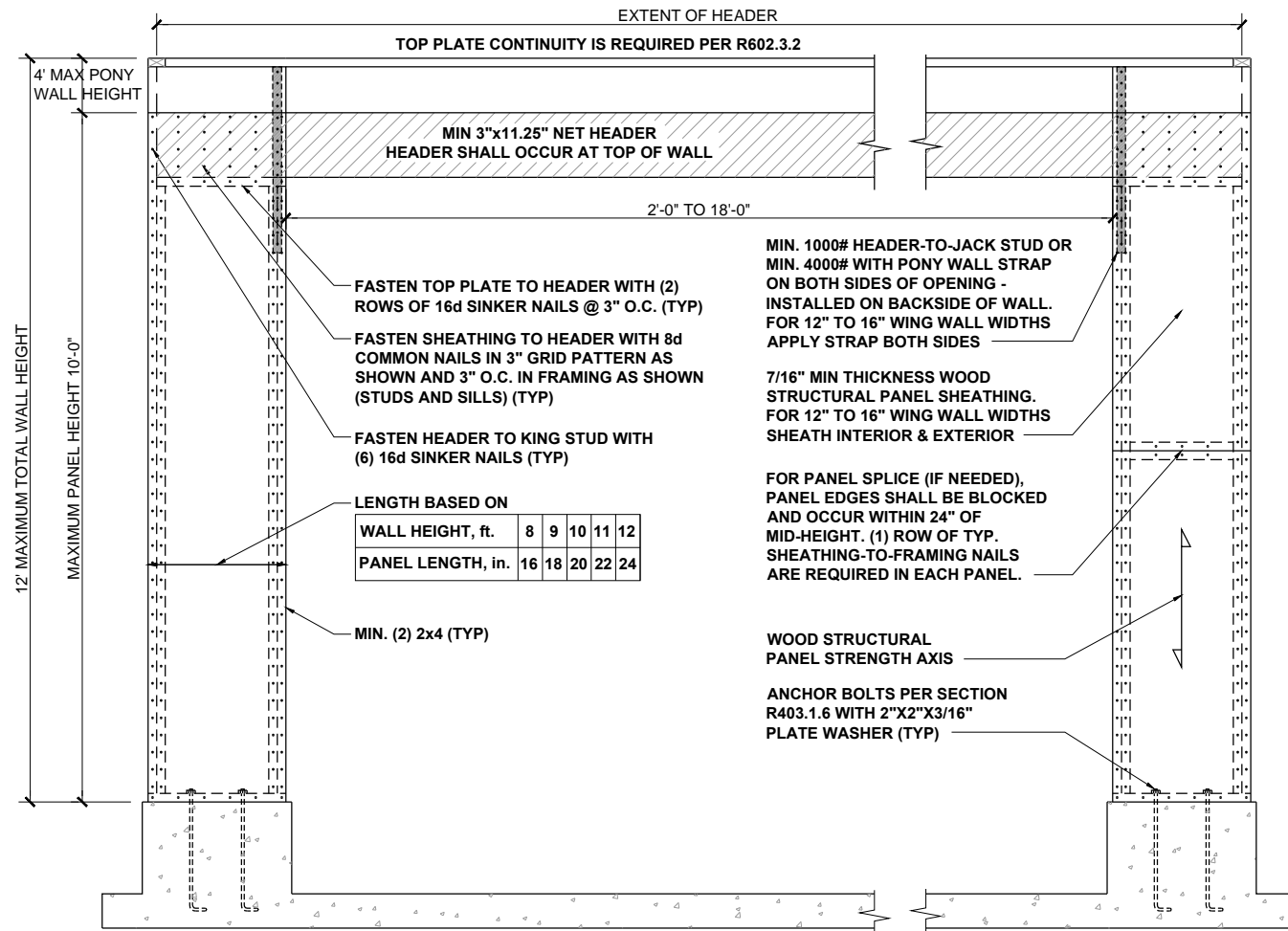
PROJECT NO.: **21900790**

DATE: **04/15/2021**

DRAWN BY: **AWC**

MISCELLANEOUS FRAMING DETAILS

**D7.0**



**HIGH-SPEED WIND ZONES**

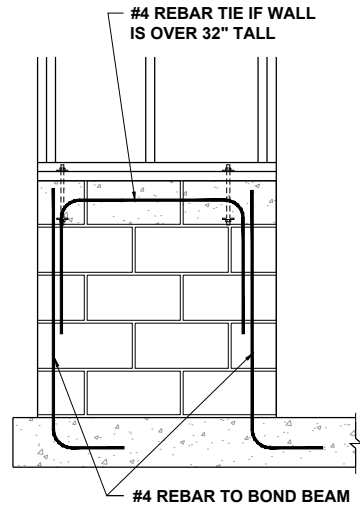
FOR LOCATIONS OF 130 MPH OR MORE ULTIMATE DESIGN WIND SPEED (110 MPH OR MORE BASIC WIND SPEED IN VIRGINIA AND GEORGIA), WALLS SHALL BE BRACED PER THE LATEST ADOPTED EDITION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION ASCE 7 OR STANDARD FOR RESIDENTIAL CONSTRUCTION IN HIGH-WIND REGIONS (ICC 600).



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**GARAGE WING WALL AT CRAWL**

SEE R602.10 - MASONRY STEM WALL SUPPORTING BRACED WALL PANELS FIGURES

METHOD PF: PORTAL FRAME PANEL CONSTRUCTION	3/8" = 1'-0"	1	BRACING METHODS	3/16" = 1'-0"	2
<p><b>A) GARAGE DOOR CORNER</b></p> <p>8d NAILS @ 12" O.C. (INTERMEDIATE SUPPORTS) GYPSUM WALLBOARD (IN ACCORDANCE w/ CHAPTER 7) OPT. BLOCKING FOR GYPSUM WALLBOARD CONTINUOUS WOOD STRUCTURAL PANEL</p> <p>MIN. 24" WOOD STRUCTURAL PANEL** 16d NAILS (2) ROWS @ 24" O.C. OPT. NON-STRUCTURAL FILLER PANEL 8d NAILS @ 6" O.C. (PANEL EDGES)</p>			<p><b>B) GARAGE T-WALL PORTAL FRAMING 16"-12"</b></p> <p>GYPSUM WALLBOARD (IN ACCORDANCE w/ CHAPTER 7) NOTCH 7/16" OSB FOR ANCHOR INSPECTION ANCHOR BOLTS CONTINUOUS WOOD STRUCTURAL PANEL</p> <p>16d NAILS (2) ROWS @ 24" OC ANCHOR BOLTS 8d NAILS @ 6" O.C. (PANEL EDGES)</p>		<p><b>C) GARAGE DOOR CORNER PORTAL FRAMING 16"-12"</b></p> <p>8d NAILS @ 12" O.C. (INTERMEDIATE SUPPORTS) GYPSUM WALLBOARD (IN ACCORDANCE w/ CHAPTER 7) NOTCH 7/16" OSB FOR ANCHOR INSPECTION ANCHOR BOLTS CONTINUOUS WOOD STRUCTURAL PANEL</p> <p>MIN. 24" WOOD STRUCTURAL PANEL** 16d NAILS (2) ROWS @ 24" O.C. 8d NAILS @ 6" O.C. (PANEL EDGES)</p>
<p><b>D) ALT. INSIDE CORNER DETAIL</b></p> <p>8d NAILS @ 6" OC (PANEL EDGES) 16d NAILS @ 12" OC 8d NAILS @ 12" OC (INTERMEDIATE SUPPORTS)</p> <p>GYPSUM WALLBOARD (IN ACCORDANCE w/ CHAPTER 7) CONTINUOUS WOOD STRUCTURAL PANEL MIN. 24" WOOD STRUCTURAL PANEL**</p>			<p><b>E) ALT. OUTSIDE CORNER DETAIL</b></p> <p>GYPSUM WALLBOARD (IN ACCORDANCE w/ CHAPTER 7) OPT. BLOCKING FOR GYPSUM WALLBOARD CONTINUOUS WOOD STRUCTURAL PANEL</p> <p>8d NAILS @ 12" OC (INTERMEDIATE SUPPORTS) MIN. 24" WOOD STRUCTURAL PANEL** 16d NAILS (2) ROWS @ 24" OC OPT. NON-STRUCTURAL FILLER PANEL 8d NAILS @ 6" OC (PANEL EDGES)</p>		<p>** IN LIEU OF THE CORNER RETURN, A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE CORNER STUD AND TO THE FOUNDATION OR FRAMING BELOW.</p>

BRACED WALL HOLD-DOWN	NTS	3	CORNER FRAMING FOR CONTINUOUS SHEATHING	1/4" = 1'-0"	4
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CLIENT: **MCKEE HOMES**

PROJECT: **TORINO 2020 - RIGHT HAND**

LOCATION: **NORTH CAROLINA**

PROJECT NO.: **21900790**

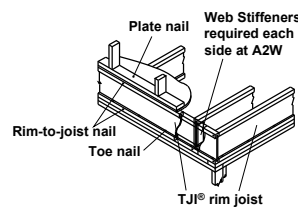
DATE: **04/15/2021** DRAWN BY: **AWC**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

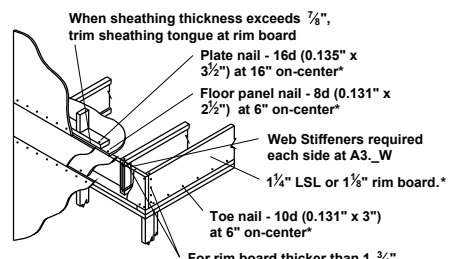
WALL BRACING DETAILS

**D8.0**

# JOIST DETAILS

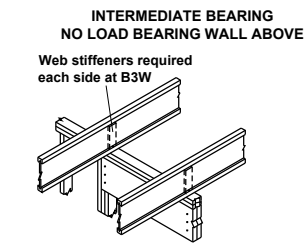


**A2 A2W** Must have 1 3/4" minimum joist bearing at ends. Attach rim joist per A3 detail.

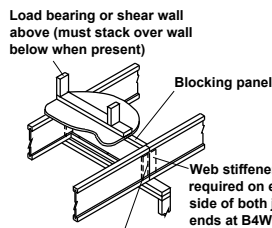


**A3** When sheathing thickness exceeds 3/8", trim sheathing tongue at rim board. Plate nail - 16d (0.135" x 3 3/4") at 16" on-center\*  
 Floor panel nail - 8d (0.131" x 2 1/2") at 6" on-center\*  
 Web Stiffeners required each side at A3\_W  
 1 1/4" LSL or 1 1/8" rim board.\*  
 Toe nail - 10d (0.131" x 3") at 6" on-center\*  
 For rim board thicker than 1 3/4" - Attach Joist to rim board with one 10d (0.128"x3") nail. Top nail from joist into rim board. - Connect corner with four 10d (0.128"x3") nails. Toe nail from side of parallel closure into rim board

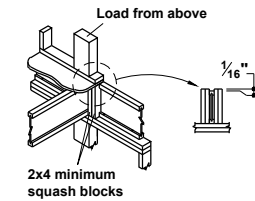
**A3W**



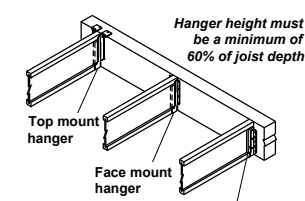
**B3 B3W** Blocking panels may be required with shear walls above or below (See detail B1)



**B4 B4W** End of joists at centerline of support



**CS** Use 2x4 minimum squash blocks to transfer load around joist



**H1** Web stiffeners required if sides of hanger do not laterally support at least 3/8" of joist top flange

## FASTENING OF FLOOR PANELS

Guidelines for Closest On-Center Spacing per Row

\* SEE I-JOIST EQUIVALENCY CHART

Nail Size	I-JOIST *		Rim Board	1 1/2"	LVL	PSL
	110, 210, and 230 EQ.	360 and 560 EQ.	1 1/4" LSL	LSL or wider		
8d (0.131" x 2 1/2")	4"	3"	4"	3"	3"	3"
10d (0.148" x 3"), 12d (0.148" x 3 1/4")	4"	4"	4"	4"	4"	4"
16d (0.162" x 3 1/2")	6"	6"	6" (2)	6" (2)	8"	6"

(1) One row of fasteners permitted (two at abutting panel edges) for diaphragms. Stagger nails when using 4" on-center spacing and maintain 3/8" joist and panel edge distance. For other applications, multiple rows of fasteners are permitted if the rows are offset at least 1/2" and staggered.

(2) Can be reduced to 4" on-center if nail penetration into the narrow edge is no more than 1 3/8" (to avoid splitting).

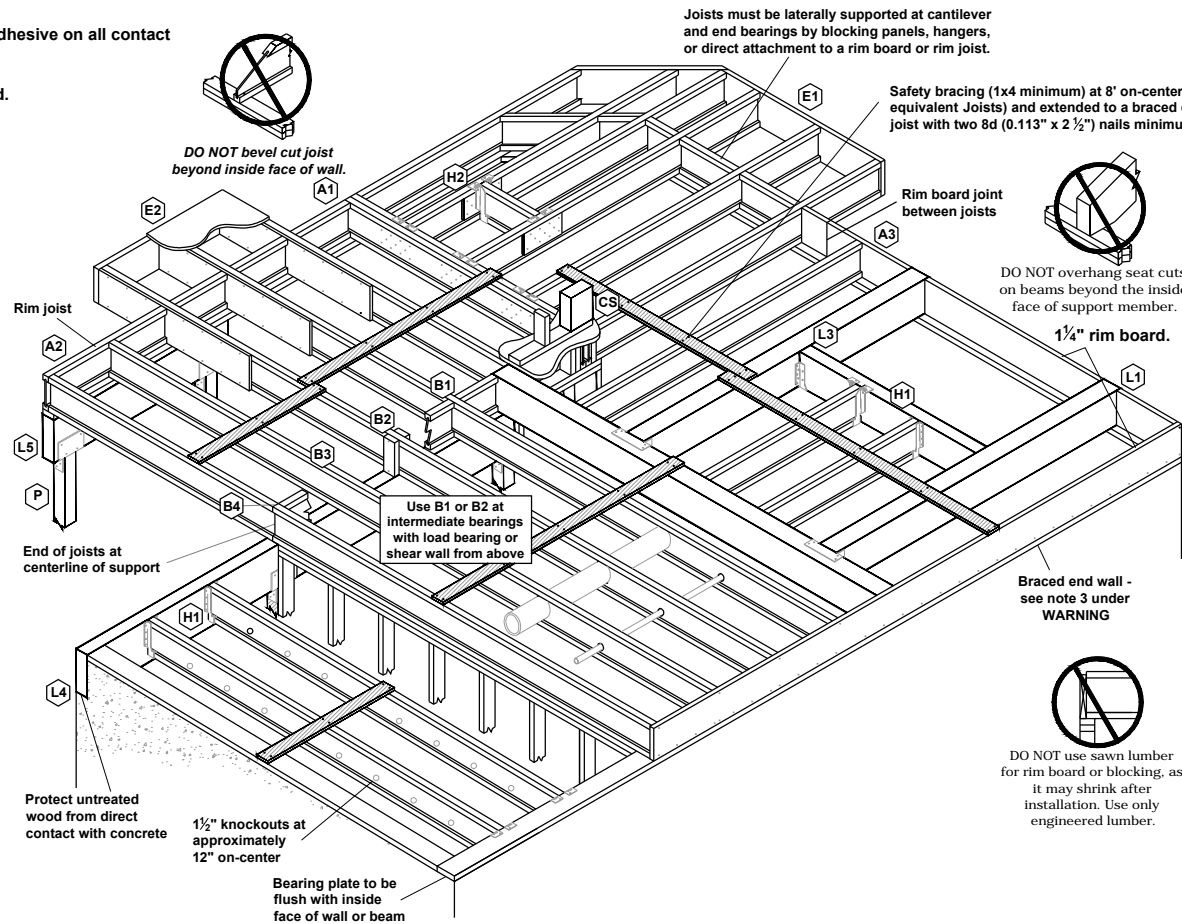
• Recommended nailing is 12" on-center in field and 6" on-center along panel edge. Fastening requirements on engineered drawings supersede recommendations listed above.

• Recommended use of a non-polyurethane subfloor adhesive on all contact points between panels and floor framing.

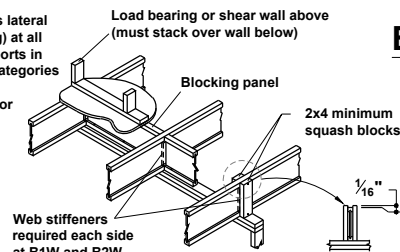
• Nailing rows must be offset at least 1/2" and staggered.

• 14 ga. staples may be substituted for 8d (0.113" x 2 1/2") nails if minimum penetration of 1" into the joist or rim board is achieved.

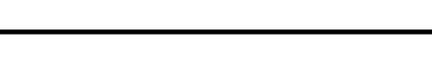
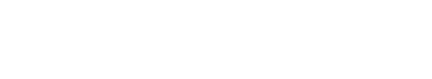
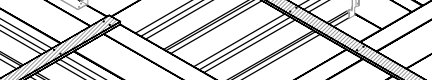
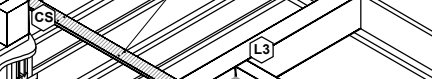
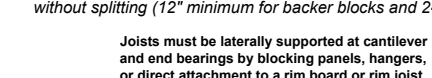
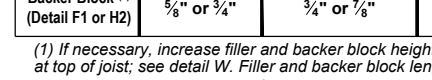
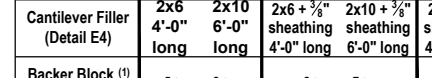
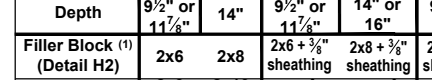
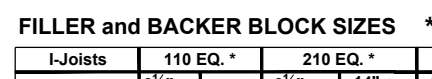
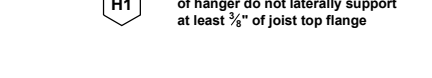
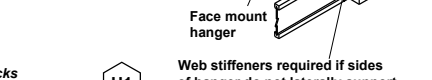
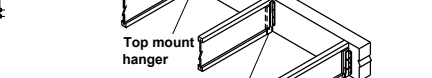
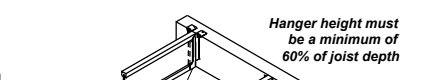
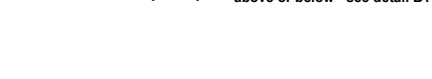
• Maximum spacing of nails is 18" on-center for joists.



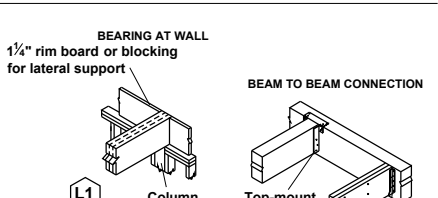
# BEAM and COLUMN DETAILS



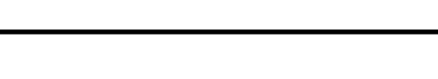
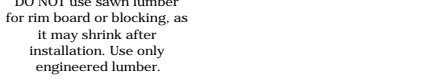
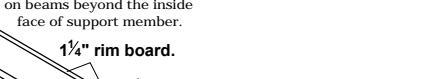
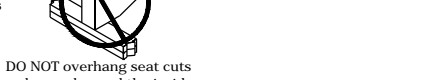
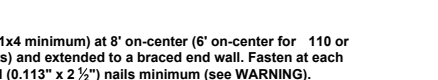
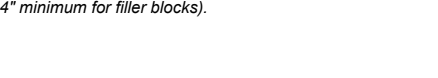
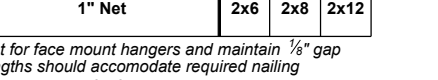
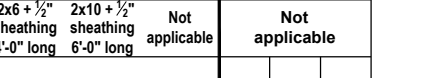
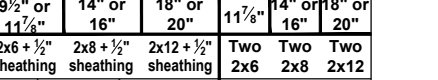
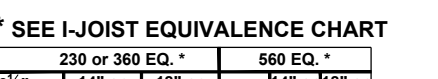
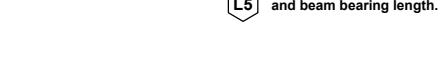
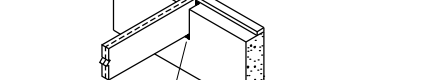
**B1 B1W** Blocking panels may be required with shear walls above or below - see detail B1



# BEAM and COLUMN DETAILS



**L1** BEARING AT WALL 1/4" rim board or blocking for lateral support



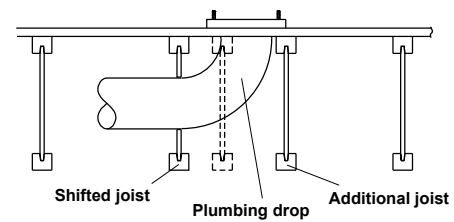
# INSTALLATION TIPS

Subfloor adhesive will improve floor performance, but may not be required.

Squash blocks and blocking panels carry stacked vertical loads (details B1 and B2). Packing out the web of a joist (with web stiffeners) is not a substitute for squash blocks or blocking panels.

When joists are doubled at non-load bearing parallel partitions, space joists apart the width of the wall for plumbing or HVAC.

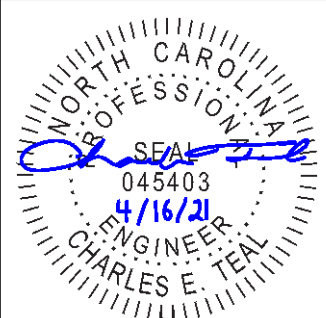
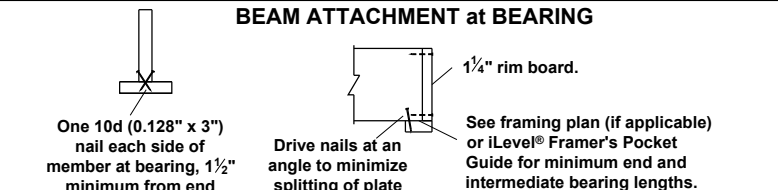
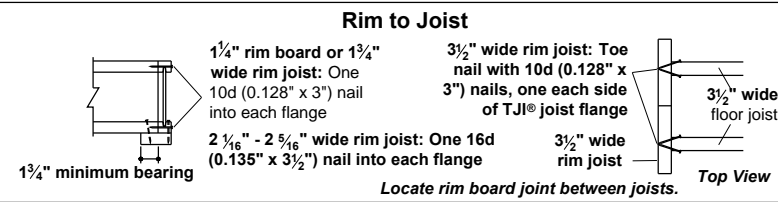
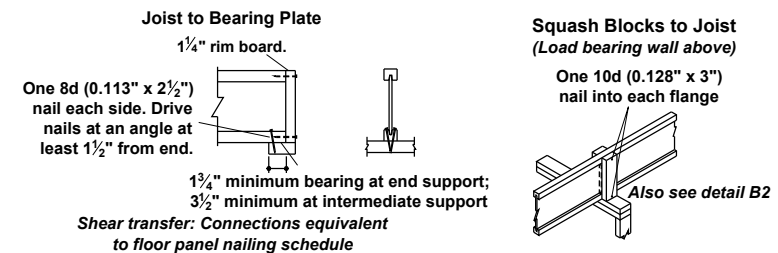
Additional joist at plumbing drop (see detail).



## \* I-JOIST EQUIVALENCY CHART

Depth	EQUIVALENT IN SPAN AND SPACING		
	Mfr & Series	Mfr & Series	Mfr & Series
9 1/4"	TJI - 110	BCI 4500	
	TJI - 210	BCI 5000	
	TJI - 230	BCI 6000	EverEdge 20
11 7/8"	TJI - 110	BCI 4500	
	TJI - 210	BCI 5000	
	TJI - 230	BCI 6000	EverEdge 20
14"	TJI - 360	BCI 60'S	EverEdge 30
	TJI - 560	BCI 90'S	EverEdge 50/60
	TJI - 110	BCI 4500	
16"	TJI - 210	BCI 5000	
	TJI - 230	BCI 6000	EverEdge 20
	TJI - 360	BCI 60'S	EverEdge 30
18"	TJI - 560	BCI 90'S	EverEdge 50/60
	TJI - 110	BCI 4500	
	TJI - 210	BCI 5000	
20"	TJI - 230	BCI 6000	EverEdge 20
	TJI - 360	BCI 60'S	EverEdge 30
	TJI - 560	BCI 90'S	EverEdge 50/60
22"	TJI - 110	BCI 4500	
	TJI - 210	BCI 5000	
	TJI - 230	BCI 6000	EverEdge 20
24"	TJI - 360	BCI 60'S	EverEdge 30
	TJI - 560	BCI 90'S	EverEdge 50/60
	TJI - 110	BCI 4500	
26"	TJI - 210	BCI 5000	
	TJI - 230	BCI 6000	EverEdge 20
	TJI - 360	BCI 60'S	EverEdge 30
28"	TJI - 560	BCI 90'S	EverEdge 50/60
	TJI - 110	BCI 4500	
	TJI - 210	BCI 5000	
30"	TJI - 230	BCI 6000	EverEdge 20
	TJI - 360	BCI 60'S	EverEdge 30
	TJI - 560	BCI 90'S	EverEdge 50/60

## JOIST NAILING REQUIREMENTS at BEARING



P-0961

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DATE: **04/15/2021** DRAWN BY: **AWC**

ENGINEERED JOIST DETAILS

**D9.0**