

LAWSON

BRIARWOOD BLUFF
LOT 0017

PLAN ID 110122



SMITH DOUGLAS HOMES

QUALITY | INTEGRITY | VALUE

110 VILLAGE TRAIL SUITE 215
WOODSTOCK, GA. 30188

DRAWING INDEX

A0.0	COVER SHEET
A1.1	FRONT ELEVATIONS
A2.1	SIDE & REAR ELEVATIONS
A3.1	SLAB FOUNDATION
A5.1	FIRST FLOOR PLANS & DETAILS
A5.2	SECOND FLOOR PLANS & DETAILS
A6.1	ROOF PLANS
A7.2-A7.3	ELECTRICAL PLANS
A8.1	TRIM LOCATION LAYOUTS

AREA TABULATION

FIRST FLOOR	704
SECOND FLOOR	946
TOTAL	1650
GARAGE	402
FRONT PORCH (COVERED)	91
REAR PATIO	120

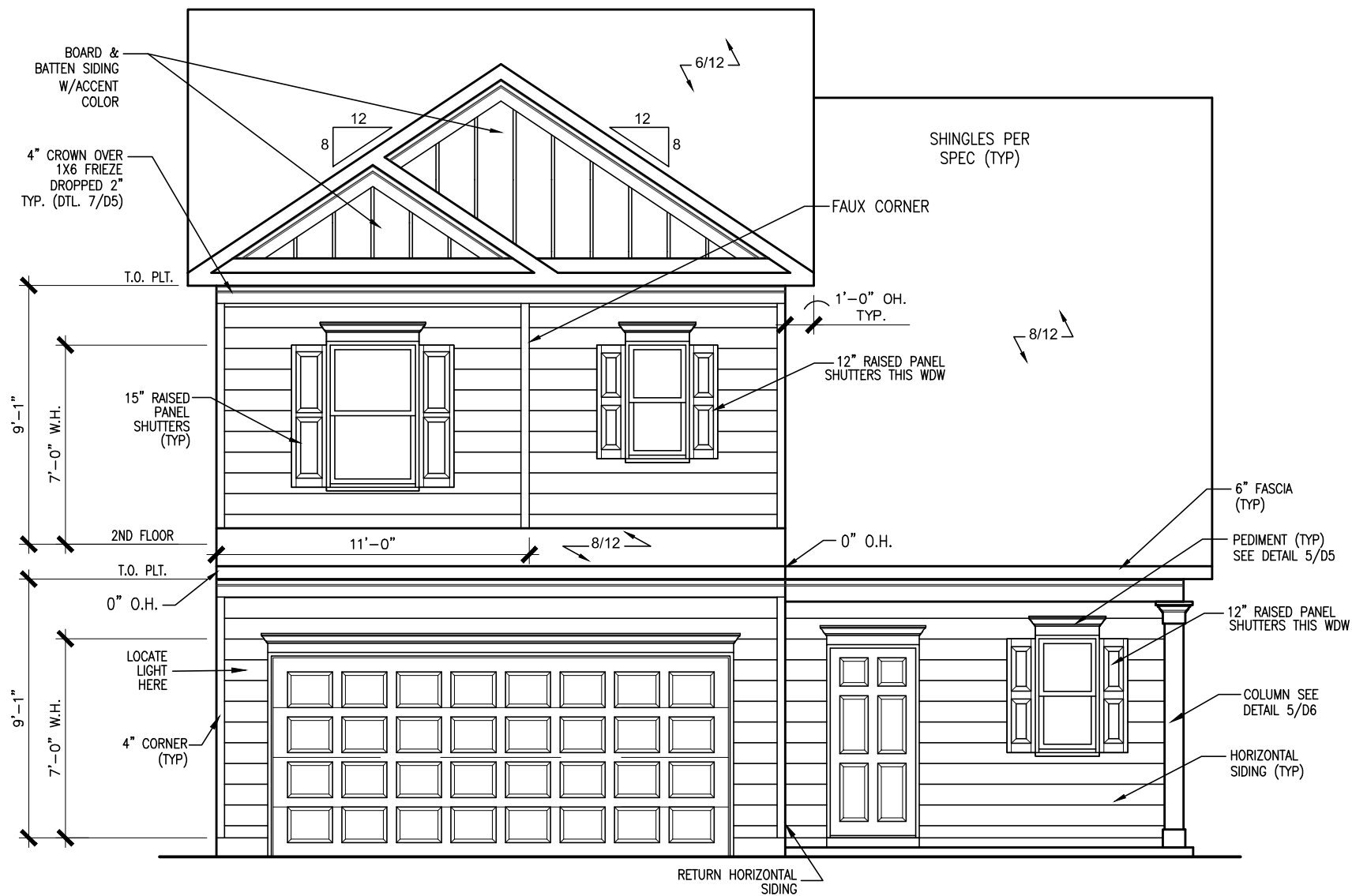
PLAN REVISIONS

[illegible]

ALL NON-MASONRY RETURNS TO
BE HORIZONTAL SIDING

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

BRIARWOOD BLUFF
LOT 0017



FRONT ELEVATION "A"
SCALE: 3/16"=1'-0"

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ELEVATIONS

FRONT ELEVATION

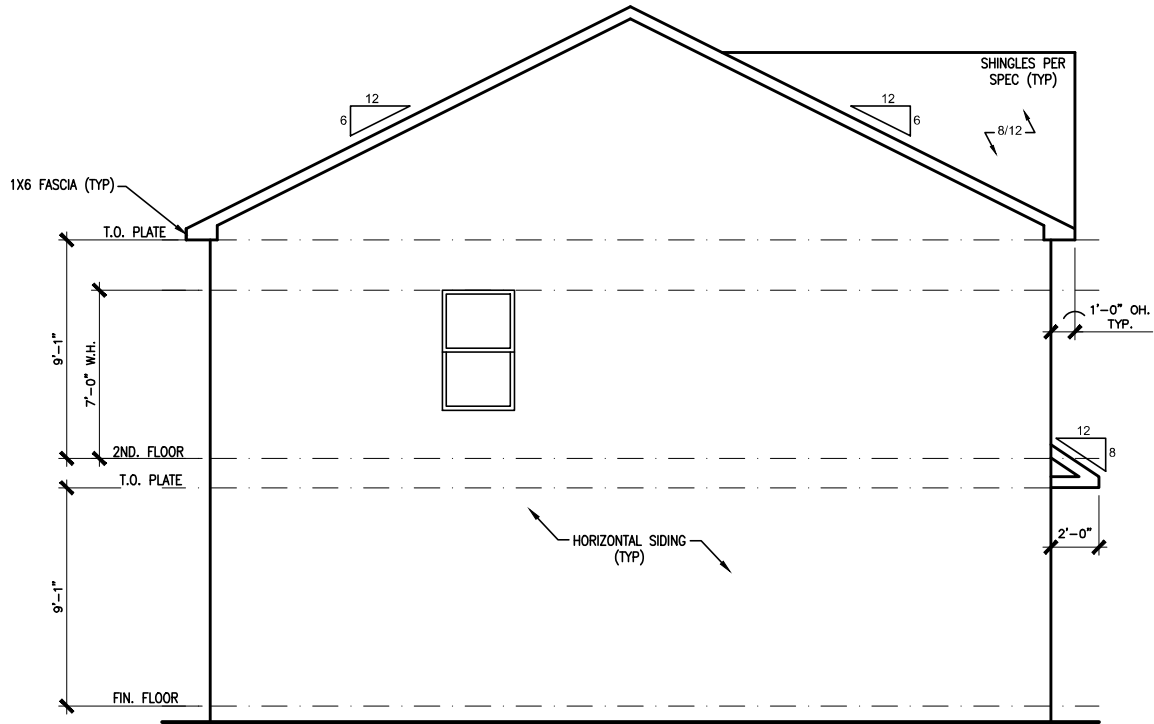
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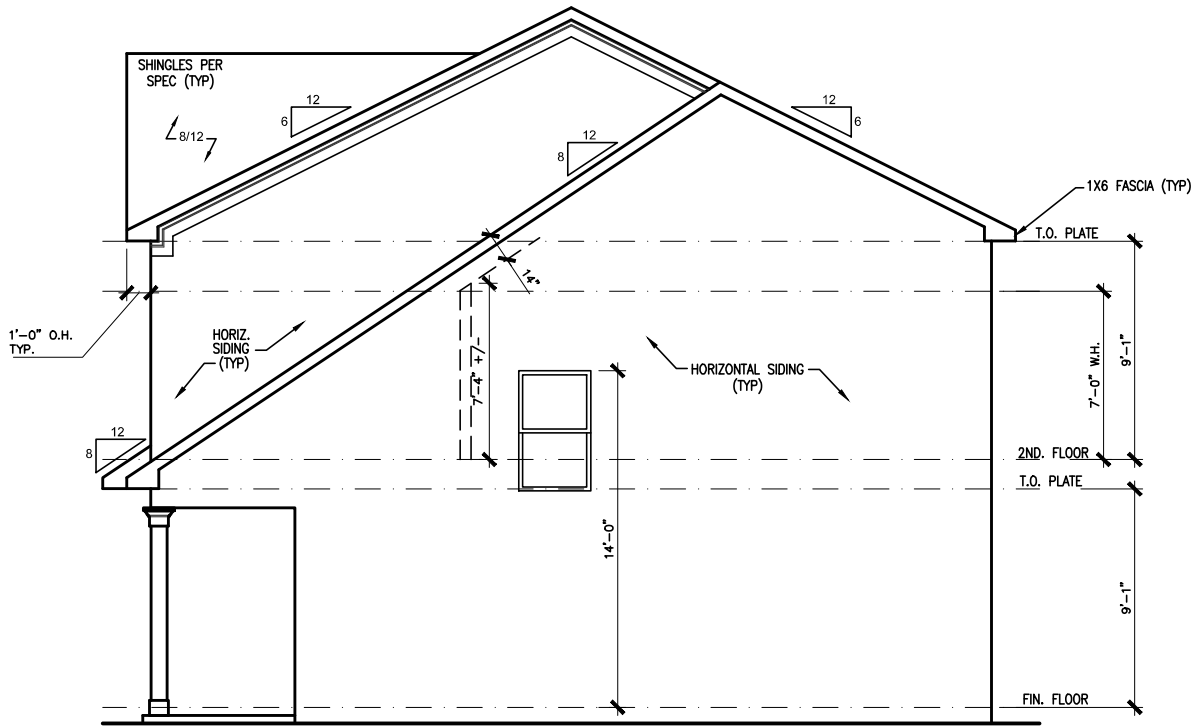
BY:	BI	CH:	AW
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FACADE OPT:	A		
PLAN ID:			
PND:	ALL	ELEV:	A
PAGE NO:	A1.1		

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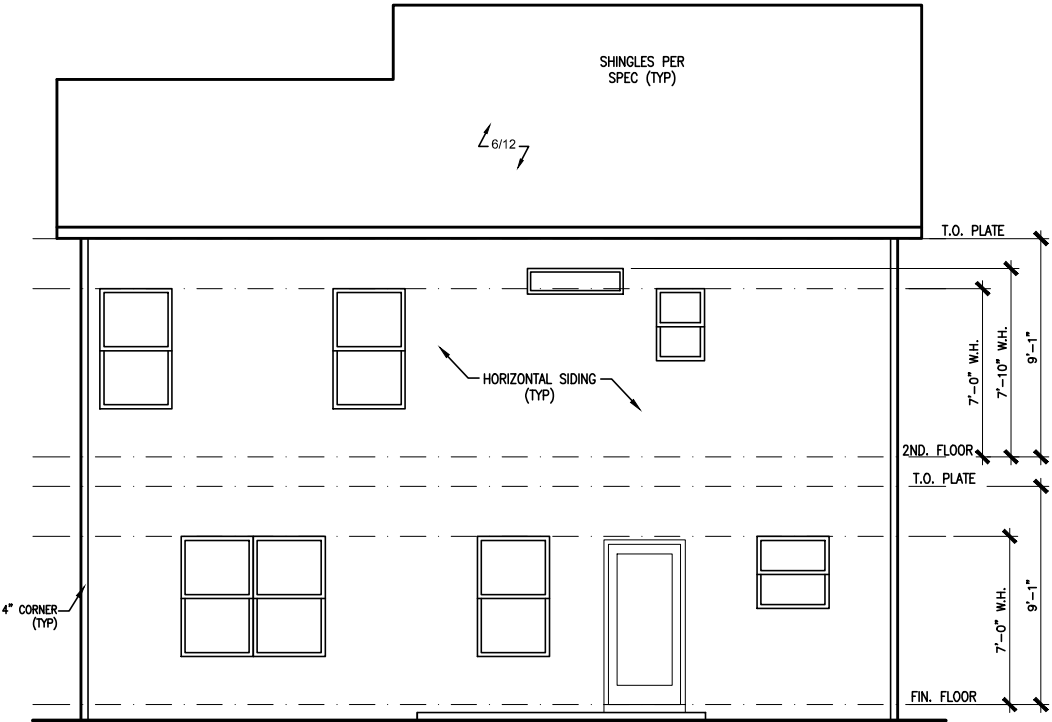
LEFT ELEVATION "A"

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



RIGHT ELEVATION "A"

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



REAR ELEVATION "A"

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

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ELEVATIONS	SIDES AND REAR	LAWSON
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SUITE 118

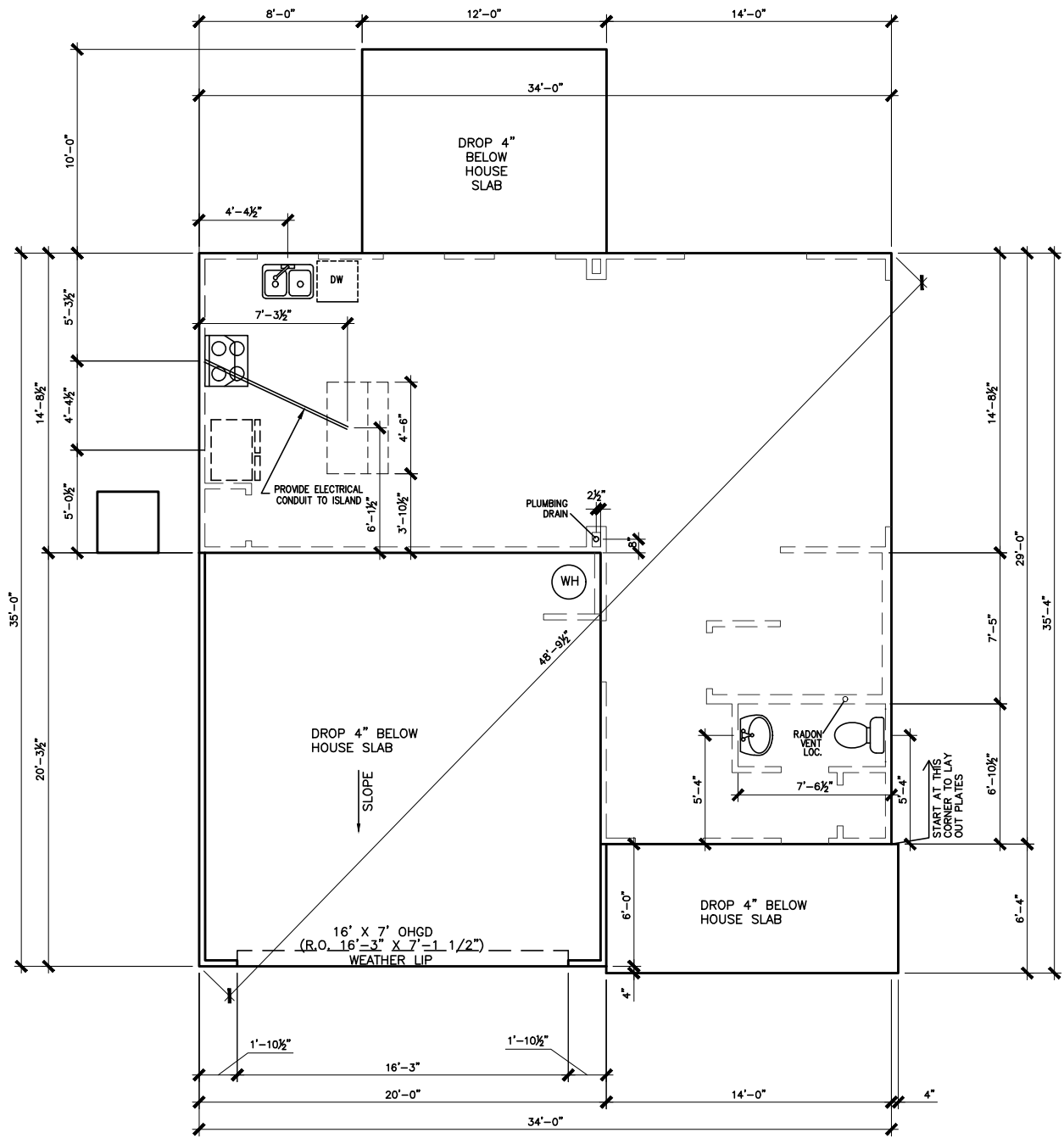
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BRIARWOOD BLUFF
LOT 0017



SLAB PLAN

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

*RADON VENT PROVIDED
PER LOCAL CODE

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

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FOUNDATION PLAN
SLAB PLAN
LAWSON

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SUITE 115

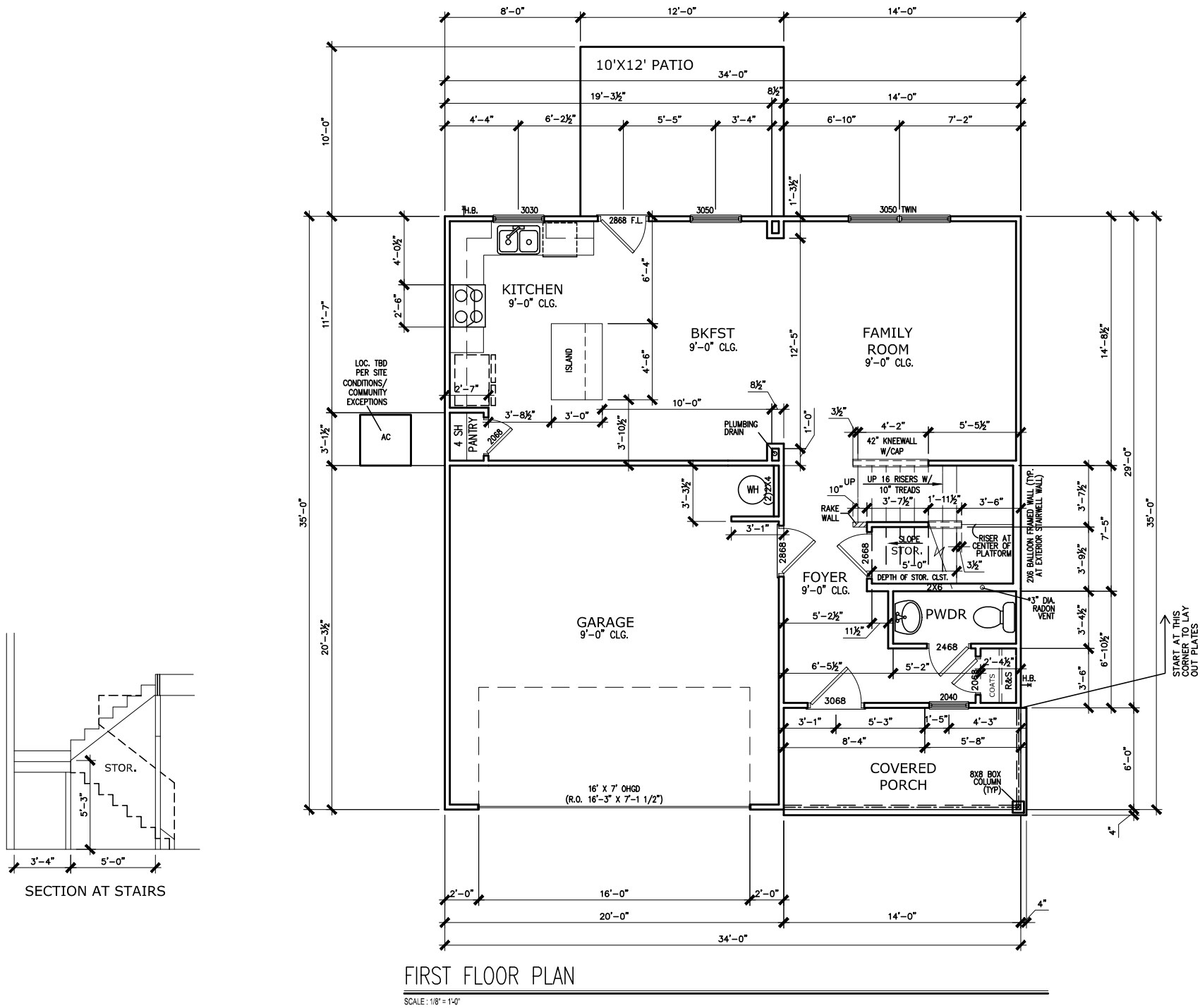
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FLOOR PLAN

FIRST FLOOR

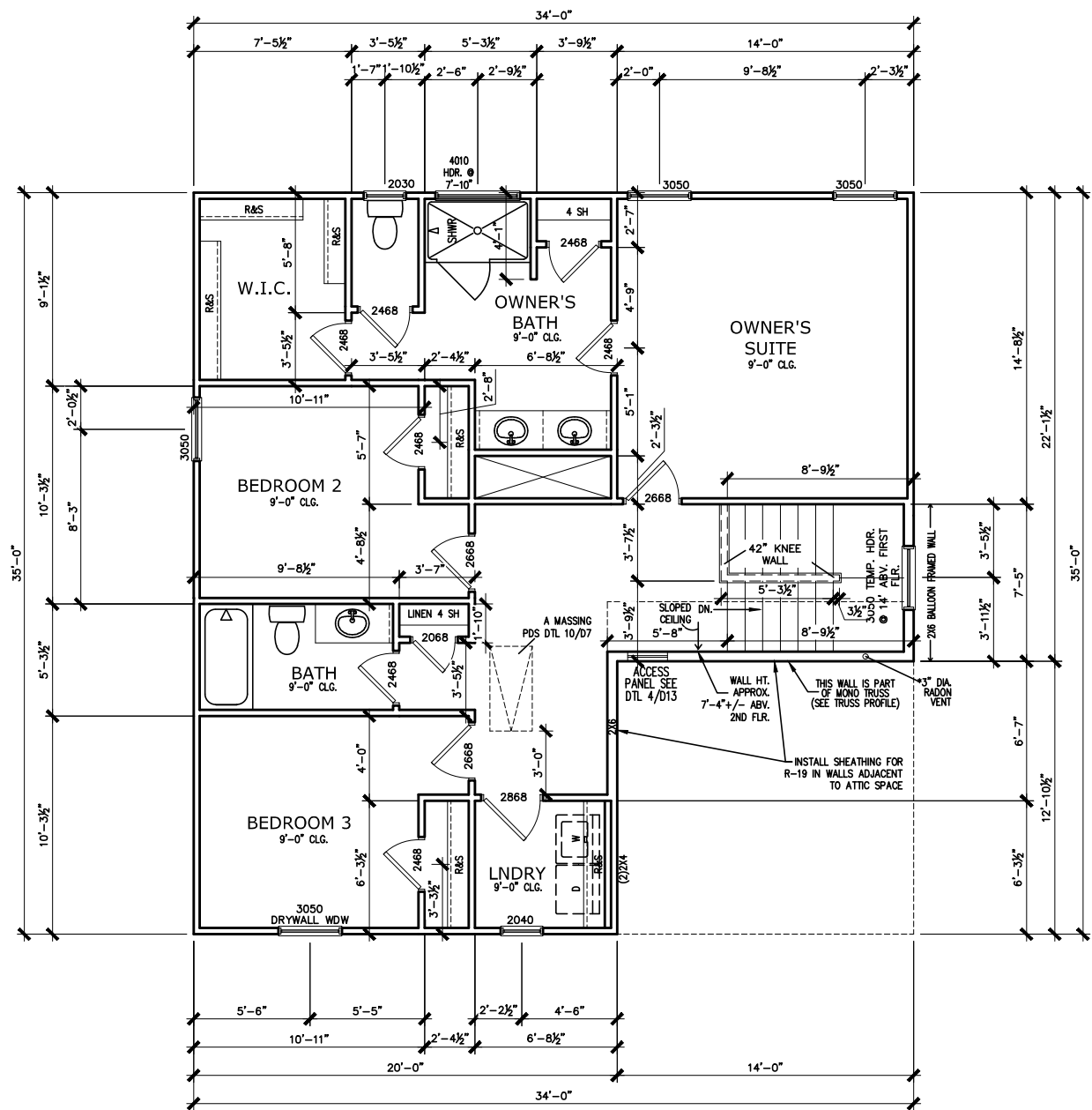
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LOT 0017



SECOND FLOOR PLAN

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

*RADON VENT PROVIDED
PER LOCAL CODE

REFER TO MANUFACTURER'S SPECS.
FOR DRAIN LOCATIONS ON DETAIL
SHEETS D12, D12.1, & D12.2

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FLOOR PLAN

SECOND FLOOR

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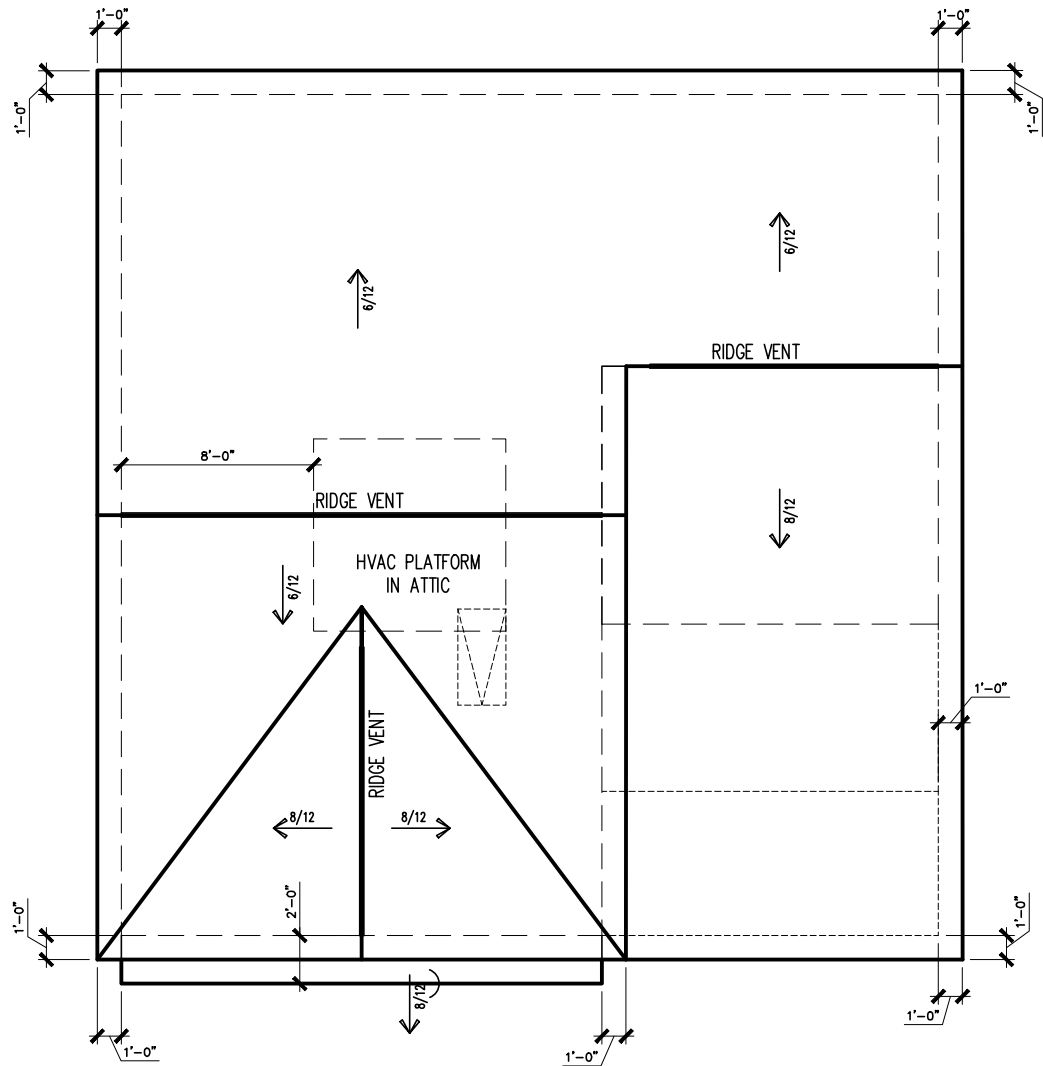
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ROOF PLAN "A"
SCALE : 1/8" = 1'-0"

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ROOF PLAN

ROOF PLAN

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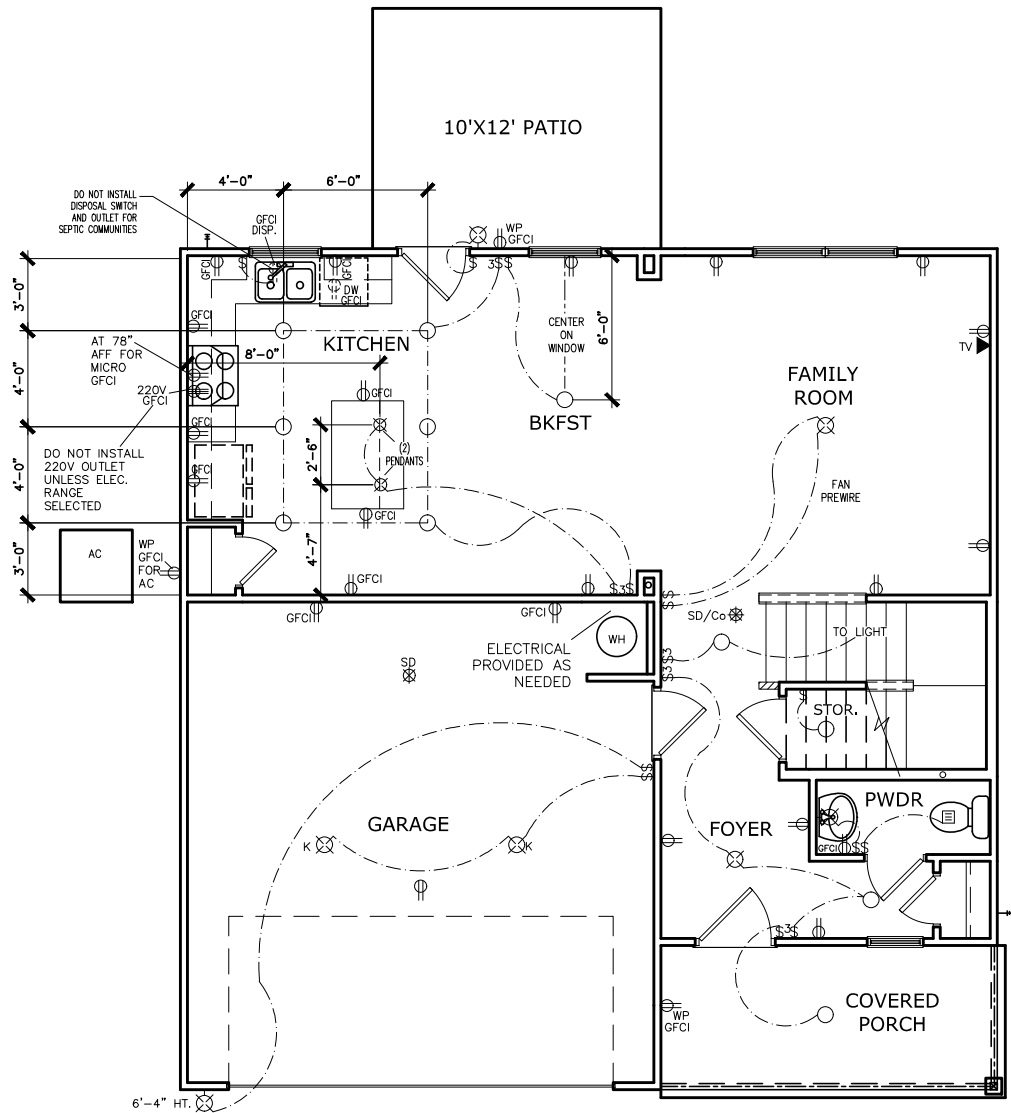
PLAN ID:

PND: ALL

RELEV: A

PAGE NO: A6.1

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LOT 0017



FIRST FLOOR ELECTRICAL PLAN

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

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

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

BY:	#	#	#	#	#	#
REVISION						
DATE	#	#	#	#	#	#

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ELECTRICAL PLAN

FIRST FLOOR

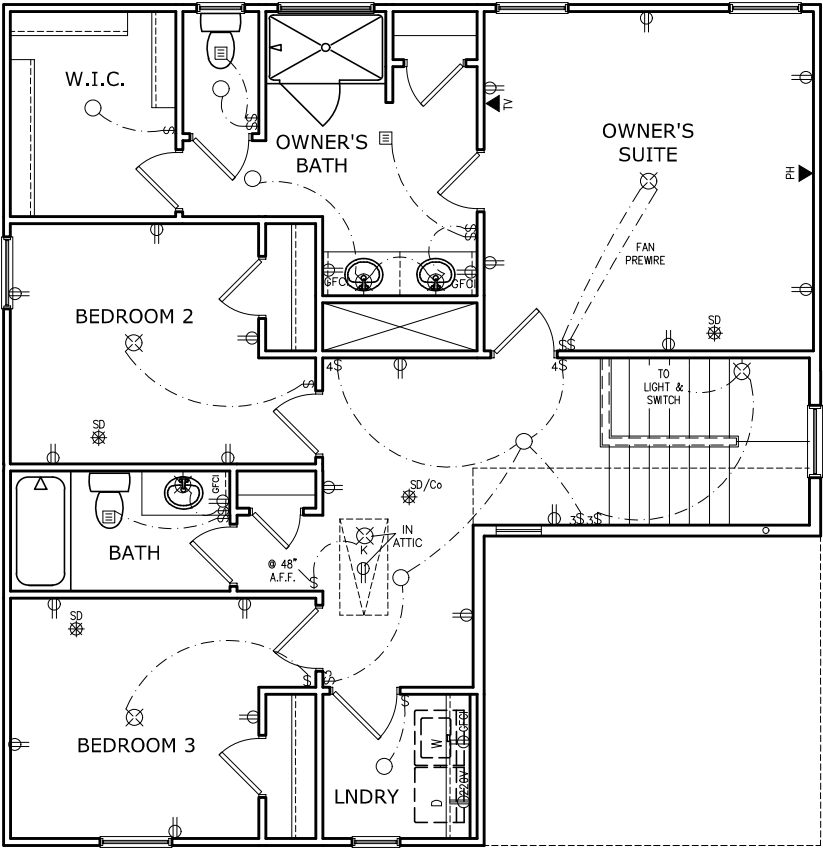
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PAGE NO:	A7.2		

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SECOND FLOOR ELECTRICAL PLAN

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

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

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

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ELECTRICAL PLAN

SECOND FLOOR

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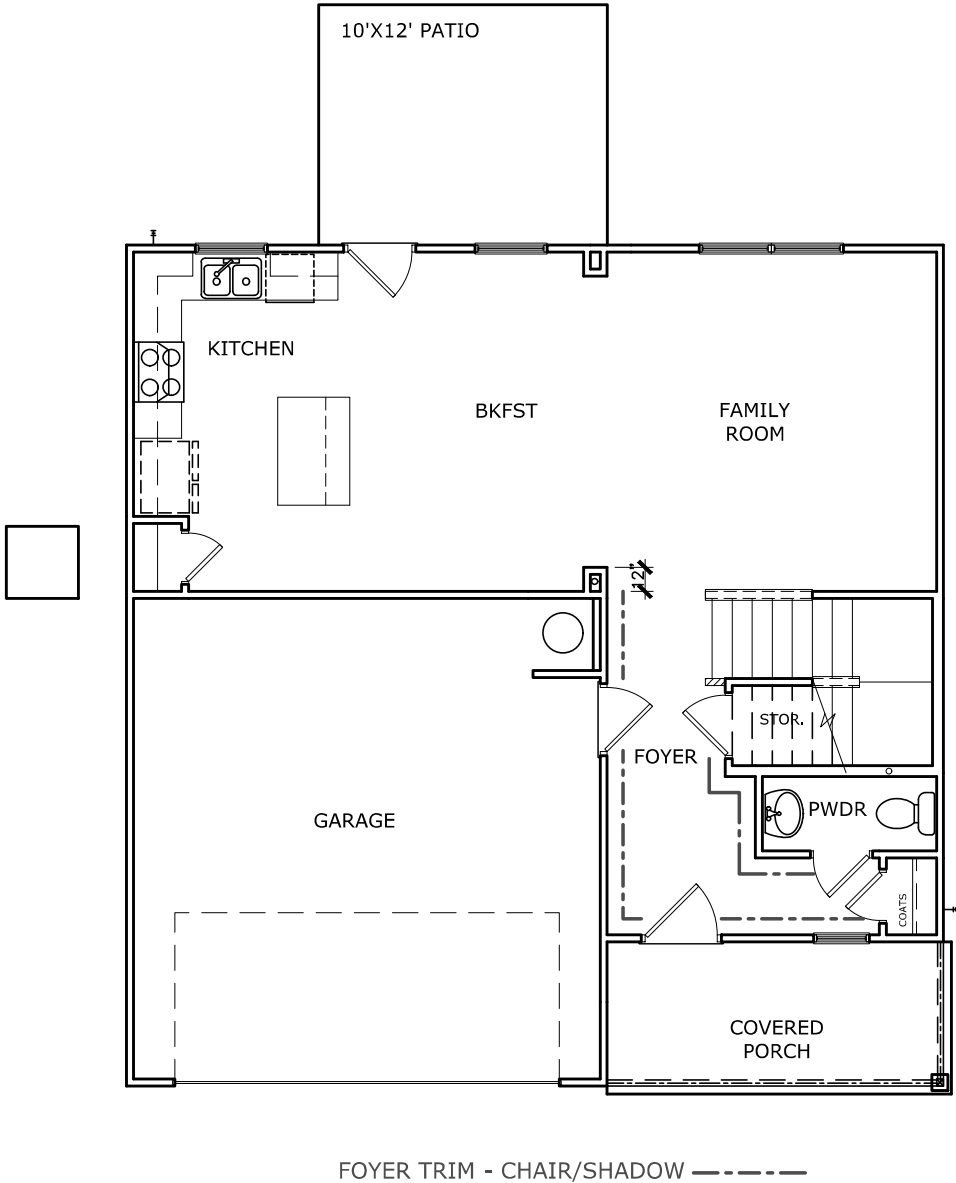
FACADE OPT: A

PLAN ID:

PND: ALL RLEV: A

PAGE NO: A7.3

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TRIM LAYOUT FIRST FLOOR PLAN

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

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FLOOR PLAN

TRIM LAYOUT

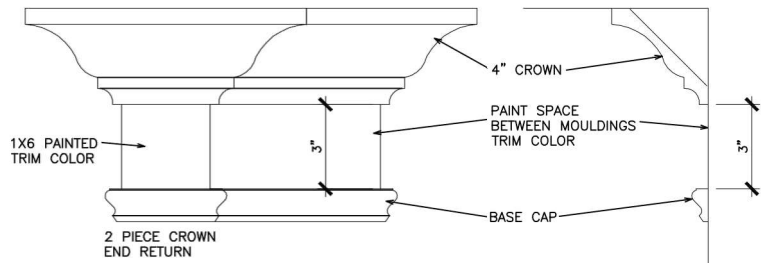
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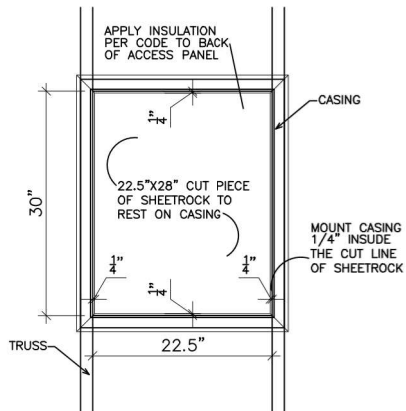
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REFER TO LOT SPECIFIC PLAN TO
DETERMINE WHICH DETAILS APPLY



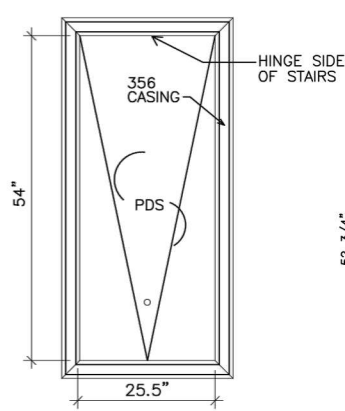
TYPICAL TWO PIECE CROWN

N.T.S.



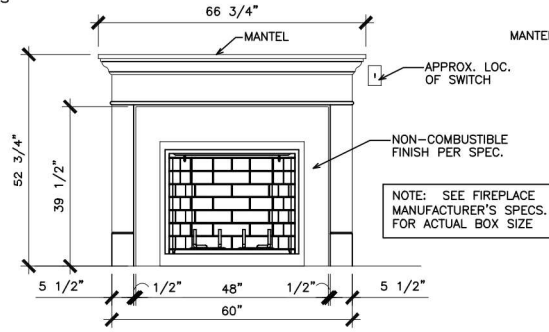
SCUTTLE HOLE DETAIL

N.T.S.



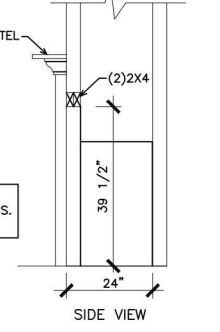
PDS TRIM DETAIL

N.T.S.



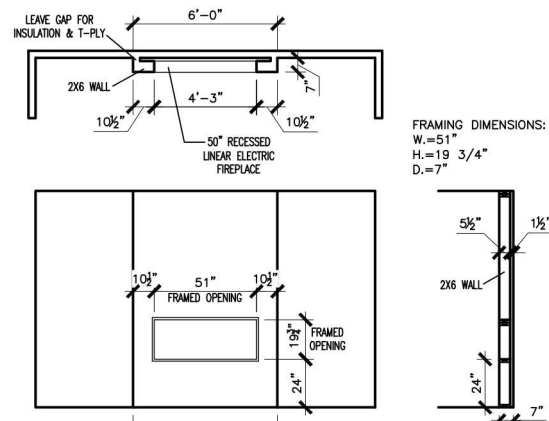
GAS/ELECTRIC FIREPLACE DETAIL
WITH WESCOTT WOOD MANTEL

N.T.S.



SIDE VIEW

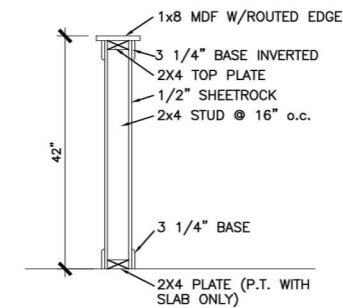
ELECTRIC FRAMING
DIMENSIONS:
W.=37"
D.=24"
H.=31 1/4"



LINEAR ELECTRIC FIREPLACE DETAIL

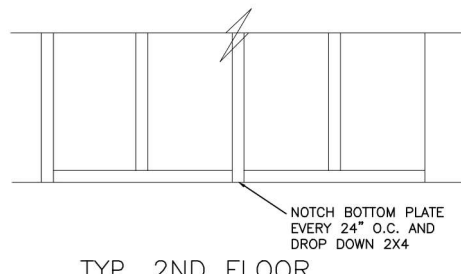
N.T.S.

FRAMING DIMENSIONS:
W.=51"
H.=19 3/4"
D.=7"



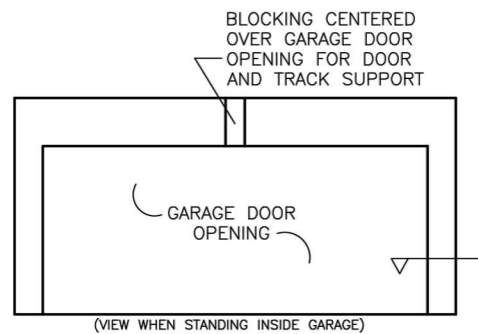
TYP. KNEEWALL SECTION

N.T.S.



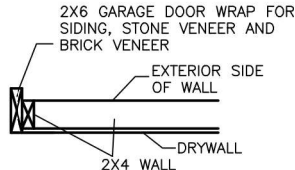
TYP. 2ND FLOOR
KNEE WALL STABILITY

N.T.S.



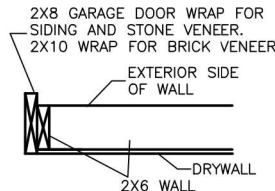
TYP. GARAGE WRAP & BLOCKING

N.T.S.



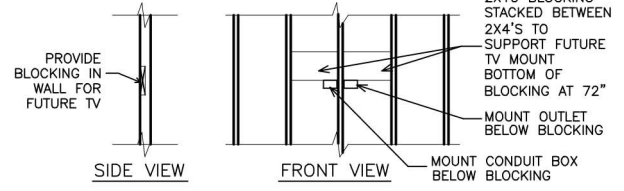
SECTION VIEW
2X4 PORTAL WALL

N.T.S.



SECTION VIEWS
2X6 PORTAL WALL

N.T.S.

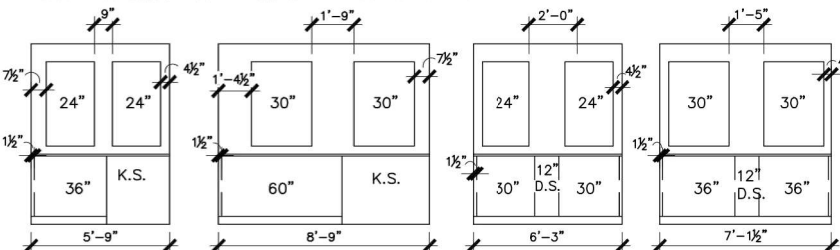


TYP. TV WALL PREP

N.T.S.

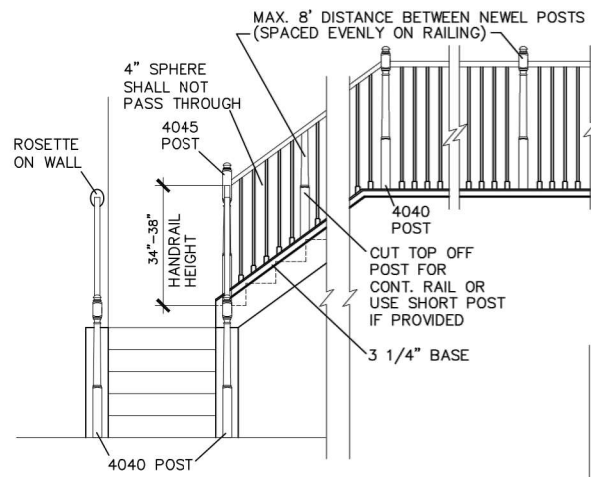
NOTE: USE SCRAPS TO CREATE BLOCKING -
(3) 2X4s, (2) 2X6s OR (1) 2X10

1. MIRRORS ARE TO BE CENTERED ON THE CABINET OR KNEESPACE BELOW.
2. SPACE BETWEEN MIRROR AND WALL/CABINET END, MAY NOT MATCH ON EACH SIDE
3. MIRRORS ARE LIMITED TO 2 SIZES: 24" & 30"
 - a. VANITIES 30" & SMALLER RECEIVE THE 24" WDE MIRROR.
 - b. VANITIES 33" & LARGER RECEIVE THE 30" WIDE MIRROR.
 - c. HEIGHTS DO NOT CHANGE.
 - d. SEE P.O. FOR EXACT WIDTH.
4. SEE THE BELOW EXAMPLE DRAWINGS. DIMENSIONS ARE APPROXIMATE.



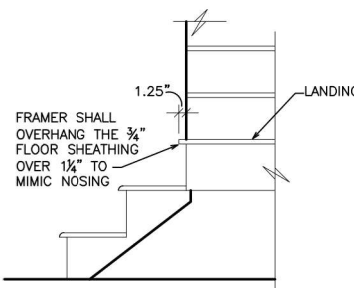
TYPICAL SPLIT MIRROR SCENARIOS

N.T.S.



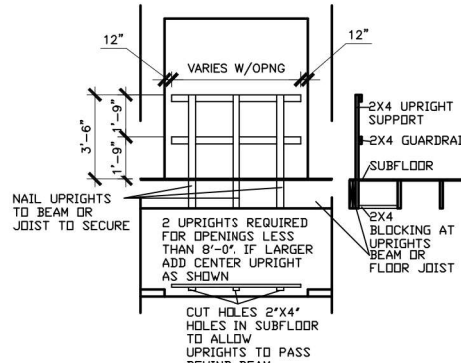
HANDRAIL/POST DETAIL @ STAIRS

N.T.S.



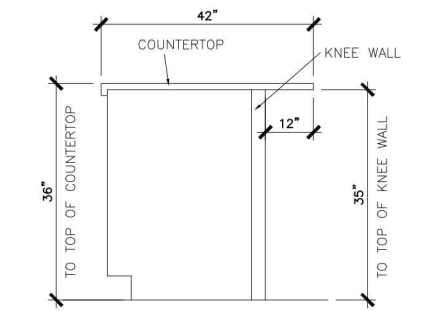
BOX STEP OVERHANG

N.T.S.



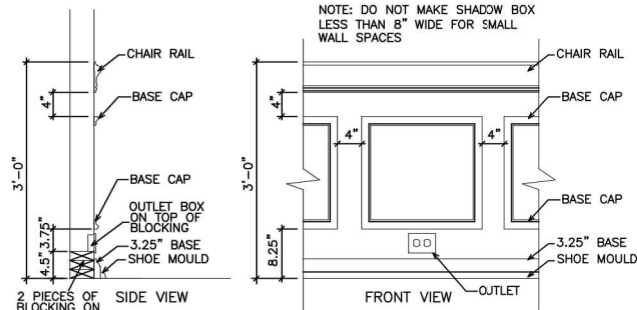
GUARD RAIL DTL. AS REQ'D

N.T.S.



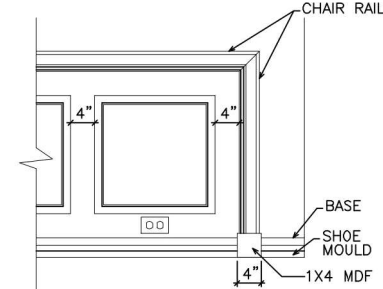
SECTION @ ISLAND KNEEWALL

N.T.S.



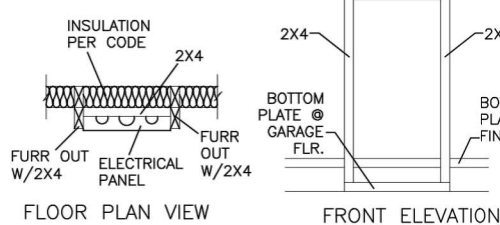
TYPICAL CHAIR RAIL & SHADOW BOX DETAIL

N.T.S.



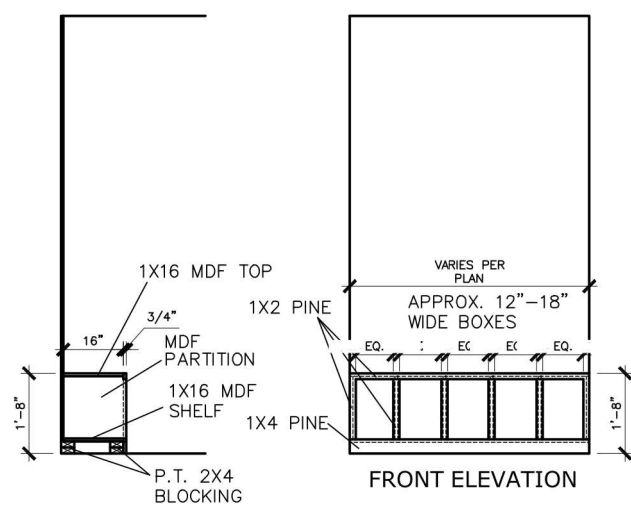
CHAIR RAIL END TRIM DETAIL

N.T.S.



ELECTRICAL PANEL DETAIL

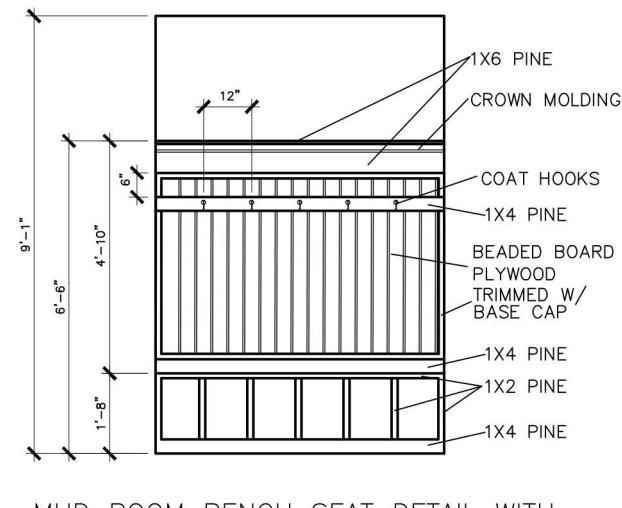
N.T.S.



SIDE ELEVATION

MUD ROOM BENCH SEAT DETAIL

N.T.S.



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

N.T.S.

(IF TRIM CHOSEN WITHOUT
BENCH CONTINUE TO FLOOR)

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INTERIOR TRIM
DETAILS

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FND:	ELEV:
PAGE NO:	D1.1

CONNECTION SPECIFICATIONS (TYP. U.N.O.)		
DESCRIPTION OF BLDG. ELEMENT	3"x0.131" NAILS	3"x0.120" NAILS
JOIST TO SOLE PLATE	(3) TOENAILS	(3) TOENAILS*
SOLE PL. TO JOIST/RIM OR BLK'G	NAILS @ 4" O.C.	NAILS @ 4" O.C.
STUD TO PLATE	(4) TOENAILS/ (3)END NAILS	(4) TOENAILS/ (4)END NAILS*
RIM TO TOP PLATE	TOENAILS @ 6" O.C.	TOENAILS @ 4" O.C.*
BLK'G. BTWN. JOISTS TO TOP PL.	(3) TOENAILS EA. END	(3) TOENAILS EA. END*
DOUBLE STUD	NAILS @ 16" O.C.	NAILS @ 16" O.C.
DOUBLE TOP PLATE	NAILS @ 12" O.C.	NAILS @ 8" O.C.
DOUBLE TOP PLATE LAP SPLICE	(12) NAILS IN LAPPED AREA (24" MIN.)	(15) NAILS IN LAPPED AREA (24" MIN.)
TOP PLATE LAP @ CORNERS & INTERSECTING WALLS	(3) NAILS	(3) NAILS
RAFTER/TRUSS TO TOP PLATE	(4) TOENAILS + (1) SIMPSON H25T TOENAILS @ 8" O.C.	(4) TOENAILS + (1) SIMPSON H25T TOENAILS @ 6" O.C.
GAB. END TRUSS TO DBL. TOP PL.	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 6" O.C.	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 4" O.C.
R.T. w/ HEEL HT. 9 1/4" TO 12"	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 6" O.C.	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 4" O.C.
R.T. w/ HEEL HT. 12" TO 16"	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C.	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C.*
R.T. w/ HEEL HT. UP TO 24"	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL*
R.T. w/ HEEL HT. 24" TO 48"	WALL SHTG. LAP w/ SILL PL. & FASTENED PER SHEAR WALL FASTENING SPEC.	
WALL TO FOUNDATION		
* 3/2"x0.113 IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS. (ONLY ACCEPTABLE WHERE * ARE SHOWN)		

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

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

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

A. ROOF TRUSSES:
1/4" DEAD LOAD

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

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

VEENER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VEENER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x1/4"
	3 FT. MAX	L3"x3"x1/4"
6'-0"	12 FT. MAX	L4"x3"x1/4"
	20 FT. MAX	L5"x3"x3/8"
8'-0"	3 FT. MAX	L4"x4"x1/4" *
	12 FT. MAX	L5"x3"x3/8"
9'-6"	16 FT. MAX	L6"x3"x3/8"
	12 FT. MAX	L6"x3"x3/8"

ALL LINTELS:
• SHALL SUPPORT 2 3/4" - 3 1/2" VEENER w/ 40 psf MAXIMUM WEIGHT.
• @ 16" SHALL HAVE 4" MIN. BEARING
• @ 18" SHALL HAVE 6" MIN. BEARING
• @ 16" SHALL NOT BE FASTENED BACK TO HEADER.
• @ 18" SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @ 48" O.C. w/ 3/2" DIA. x 3 1/2" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.
• MAX. VEENER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
• ALL LINTELS SHALL BE LONG LEGS VERTICAL.
• WHEN SUPPORTING VEENER, 3" MIN. THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 1/2" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT FINISHING.
• SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS.
• FOR GREEN VEENER USE L4x3x3/4".

MK STD. - MAY 2016

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NCBC-RESIDENTIAL CODE & 2018 IRC WITH SOUTH CAROLINA AMENDMENTS
- FOOTING DESIGN - 2,000 PSF NET ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.
- FASTEN 2x4/6 SILL PLATES TO CONC FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:
 - 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C., 7" MIN. EMBEDMENT
 - FA4 ANCHOR STRAPS @ 6'-0" O.C.
- FASTEN 2x10 SILL PLATES TO PRECAST BSMT WALLS WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:
 - 1/2" DIA. BOLTS @ 2'-0" O.C.
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT w/ PERIMETER FOUNDATION SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2.
- BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT w/ PRESERVATIVE-TREATED WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.
- FOUNDATION WALLS & FOOTINGS SHALL BE PLAIN CONCRETE, U.N.O.
- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
 - f'c = 4,000 psi: FOUNDATION WALLS
 - 3,000 psi: FOOTINGS & INTERIOR SLABS ON GRADE
 - 3,500 psi: GARAGE & EXTERIOR SLABS ON GRADE
 - fy = 60,000 psi
- BASEMENT FOUNDATION WALL DESIGN BASED ON:
 - 8' OR 4' HEIGHT (AS NOTED ON PLANS)
 - TALLER WALLS MUST BE ENGINEERED.

- BASEMENT WALL DESIGN IS BASED ON 30 OR 45 PCF BACKFILL SOIL TYPE CLASSIFICATIONS:
 - 30 PCF TYPE (GM, GP, SM, SP)
 - 45 PCF TYPE (GM, GC, SM, SM-SC, ML)
 - IMPORTANT - IF 60 PCF SOIL TYPE (SC, ML-CL, OR CL) IS UTILIZED FOR BACKFILL, CONTACT MULHERN & KULP FOR FURTHER EVALUATION OF FOUNDATION DESIGN.
- BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY ADEQUATE TEMPORARY BRACING OR INSTALL 1st FLOOR DECK.
- ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 1% AIR ENTRAINMENT.
- ALL FOOTINGS SHALL BEAR BELOW FROST LINE (TYP.) OR 12" MIN IN REGIONS WHERE CODE FROST DEPTH IS NOT APPLICABLE. CONSULT SOILS REPORT OR BUILDING DEPT. FOR MINIMUM DEPTH BELOW GRADE.
- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL.
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
 - JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
 - JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO
 - CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SLABS

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

- DIMENSIONS BY OTHERS, BUILDER TO VERIFY.

MK STD. - MAY 2012

LEGEND

- INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)
- INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.)
- INDICATES 14" DEEP FLOOR I-JOISTS @ 24" O.C. MAX. JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. NOTE: 14" FLOOR TRUSSES @ 24" O.C. MAX. IS AN ACCEPTABLE ALTERNATE FLOOR SYSTEM
- INDICATES LOCATIONS OF POTENTIAL TILE FLOOR. JOIST MANUFACTURER SHALL DESIGN FLOOR SYSTEM FOR ADD'L 10 PSF DEAD LOAD AT THESE LOCATIONS.
- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.M.A.)
- BEAM/HEADER
- METAL HANGER
- INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS

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

THE DESIGN WAS COMPLETED PER 2015 & 2018 IBC (SECTION 1609) & ASCE 7, AS PERMITTED BY R301.1.3 OF THE 2018 NCBC-RC & 2018 IRC. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NCBC-RC & 2018 IRC SECTION R802.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.54 R802.11.

EXT. WALL SHEATHING SPECIFICATION

- 1/16" OSB OR 15/32" PLYWOOD:
 - FASTEN SHEATHING w/ 2 3/8"x0.113 NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE PANEL FIELD. (TYP. U.N.O.)
- ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEL TO STUDS) AND INSTALLED FULL HEIGHT OF SHEAR WALL - OR - 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1 3/4" 16 GA STAPLES (1/6" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

3" O.C. EDGE NAILING

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

NOTES

- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, U.N.O.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-MANUFACTURED PANELIZED WALLS: FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED w/ OSB OR PLYWOOD w/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

- INDICATES EXTENT OF INT. OSB SHEARWALL, AND/OR 3" O.C. EDGE NAILING
- INDICATES HOLDOWN

MK STD. - MAR 2016

NON-BEARING HEADER SCHEDULE

SPAN	2x4 NON-BEARING PARTITION WALL	2x6 NON-BEARING PARTITION WALL
UP TO 3'-0"	(1)2x4 FLAT	(1)2x6 FLAT
UP TO 6'-0"	(2)2x4	(3)2x4
UP TO 8'-0"	(2)2x6	(3)2x6

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

FLOOR FRAMING

- I-JOISTS SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES STONE/MARBLE OR WET BED CONSTRUCTED FLOORS - CONTACT MK FOR EXCLUDED FLOOR DESIGNS)
- PER THE GUIDELINES OF THE TILE COUNCIL OF NORTH AMERICA (TCNA HANDBOOK), IT SHALL BE THE FLOOR FINISH INSTALLER'S RESPONSIBILITY TO VERIFY THAT THE FINISHES TO BE INSTALLED MATCH THE DESIGN CRITERIA NOTED ABOVE (UNDER 'DESIGN LOADS').
- FLOOR SYSTEMS & SHEATHING HAVE BEEN DESIGNED TO SUPPORT ADDITIONAL DEAD LOAD FROM CERAMIC TILE (EXCLUDING MARBLE OR STONE). HOWEVER, IT SHALL BE THE FLOOR FINISH INSTALLER'S RESPONSIBILITY TO PROVIDE PROPER UNDERLAYMENT, UNCOUPLING MEMBRANE AND MORTAR/GROUT PER THE ASSEMBLY DESIGNATIONS IN THE TCNA HANDBOOK (TILE COUNCIL OF NORTH AMERICA).
- AT I-JOIST FLOORS, PROVIDE 1" MIN. OSB RIM BOARD.
- METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O.
- I-JOIST SHOP DWGS. SHALL BE SUBMITTED TO ARCH. & ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY.
- FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED 'STURD-I-FLOOR' 24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS w/ GLUE AND - 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.
 - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
 - 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. IN FIELD.

ROOF FRAMING

- ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS - w/ 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.
 - w/ 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.
 - w/ 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. FIELD.
- WITHIN 48" OF ALL ROOF EDGES, RIDGES, & HIPS FASTEN ROOF SHEATHING FIELDS PER EDGE NAILING SPEC.
- FASTEN EACH ROOF TRUSS TO TOP PLATE w/ USP RTTA CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) RTTA CLIPS AT 2-PLY GIRDER TRUSSES, (3) RTTA CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS.
- METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.
- ROOF TRUSS SHOP DWGS. SHALL BE SUBMITTED TO ARCH & ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY.
- ERECT AND INSTALL ROOF TRUSSES PER WTCA & TPI'S BC511 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."
- SUPPORT SHORT SPAN ROOF TRUSSES w/2x4 LEDGER FASTENED TO FRAMING w/ (2) 3" x 0.120" NAILS @ 16" O.C. (UP TO 7' SPAN).

MK STD. - MAR 2016

MEANS & METHODS NOTES

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

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

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 NCBC-RESIDENTIAL CODE & 2018 IRC WITH SOUTH CAROLINA AMENDMENTS
- WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.
- DESIGN LOADS:

ROOF	LIVE = 20 PSF DEAD = 7 PSF T.C., 10 PSF B.C. LOAD DURATION FACTOR = 1.25
FLOOR	LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (I-JOISTS) ADD'L 10 PSF @ CERAMIC TILE IN BATHS & LAUND.
SOIL	2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE (IRC TABLE R602.3.11) OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS.
- EXT. & INT. BEARING WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SPF/SP 'STUD' GRADE LUMBER, OR BETTER, U.N.O.
 - WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL INTERIOR BEARING WALLS ARE ASSUMED TO BE SHEATHED w/ GYP WALL BOARD (ONE SIDE MIN.) OR PROVIDE MID HT. BLOCKING.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (SP) LUMBER, OR BETTER. SUPPORT ALL HEADERS/ BEAMS w/ (1)2x JACK STUD & (1)2x KING STUD, MINIMUM.
 - THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, U.N.O.
- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x STUD GRADE MEMBERS SPACED @ 24" O.C. (MAX. U.N.O.)
 - HEADERS IN NON-LOAD BEARING WALLS SHALL BE:
 - (1)2x4/6 FLAT @ OPENINGS UP TO 4', (2)2x4/6 FLAT UP TO 8'.
- ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).
- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING:
 - 'LVL' - Fb=2600 psi; Fv=285 psi; E=2.0x10⁶ psi
- ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:
 - 'LVL' - Fb=2400 psi; Fc11=2500 psi; E=1.8x10⁶ psi
- FOR 2 & 3 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS USP #635 SCREWS (OR 3 1/2" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/4" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF USP #66 SCREWS (OR 6 3/4" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE. A SOLID 1" BEAM IS ACCEPTABLE.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND/BEARING. BLOCKING TO MATCH POST ABOVE.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE USP BC522-4 CAP & PA44E BASE, U.N.O.
- CORROSION NOTES:
 - BUILDER RESPONSIBLE TO DETERMINE CORROSION-RESISTANCE REQUIREMENTS AND COMPATIBILITY OF HARDWARE, FASTENERS AND CONNECTORS FOR ENVIRONMENTAL EXPOSURE AND IN CONTACT w/ PRESERVATIVE-TREATED WOOD OF ACTUAL FINAL CONDITIONS AND SOURCED MATERIALS. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.
 - ALL FASTENERS AND CONNECTORS EXPOSED TO SALT WATER (WITHIN 300' OF SALT WATER SHORELINE, INCLUDING VENTED SPACES) SHALL BE STAINLESS STEEL.

MK STD. - MAR 2016

Briarwood
LOT 17



9/15/23

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING



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SMK

drawn by:

MRG

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REVISIONS:

date:

initial:

SMITH DOUGLAS
HOMES

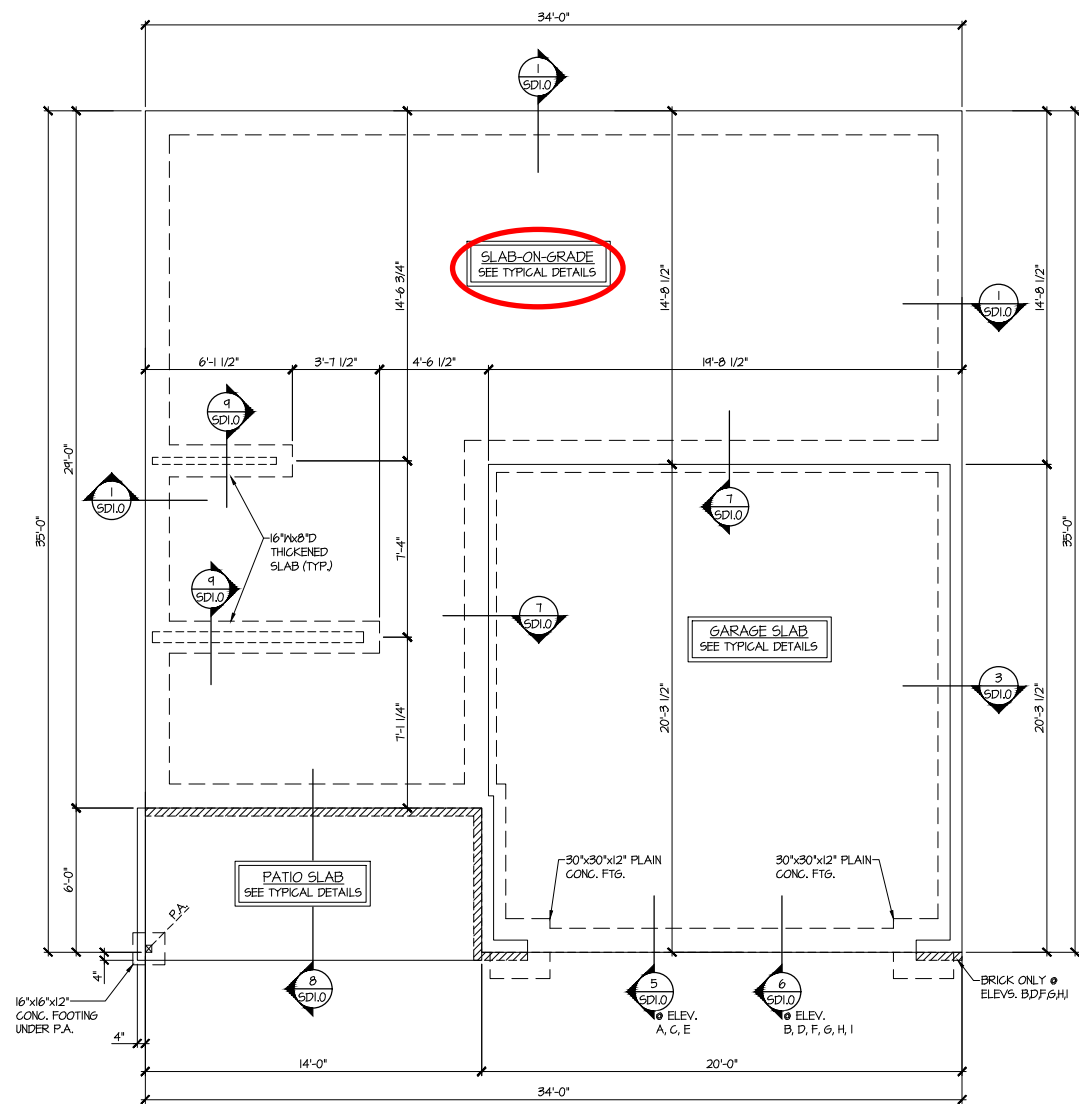
GENERAL STRUCTURAL NOTES

LAWSON MODEL

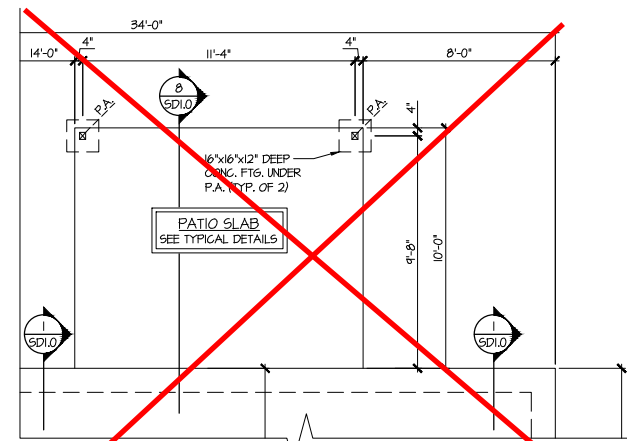
120 MPH WIND ZONE
NORTH CAROLINA

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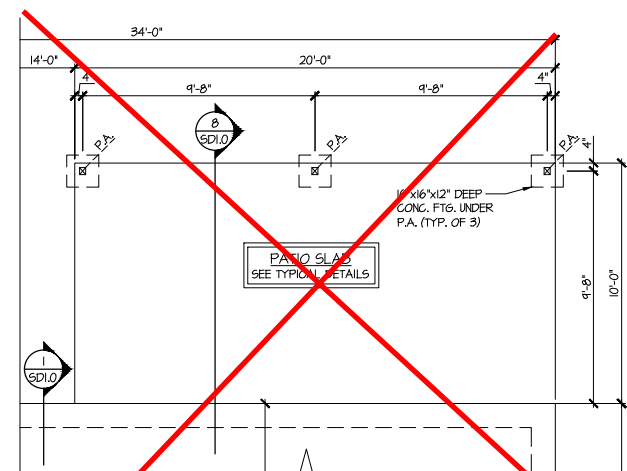
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1 MONO-SLAB FOUNDATION PLAN
SCALE: 1/4"=1'-0" ON 22x34
1/8"=1'-0" ON 11x17
ALL ELEV. 51M.



2 PARTIAL MONO-SLAB FOUNDATION PLAN
SCALE: 1/4"=1'-0" ON 22x34
1/8"=1'-0" ON 11x17
OPT. COVERED PATIO
ALL ELEV. 51M.
SEE BASE ELEV. FOR ADD'L INFO.

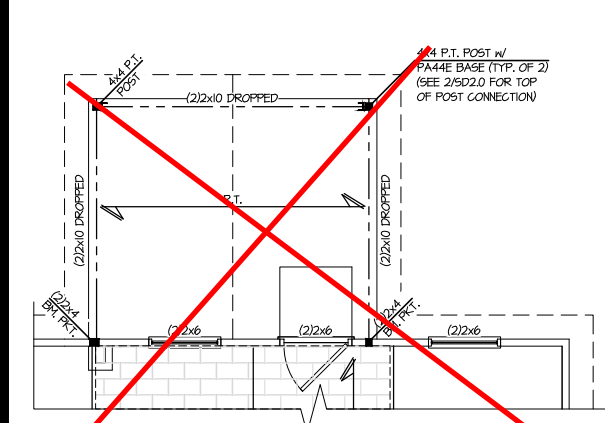


3 PARTIAL MONO-SLAB FOUNDATION PLAN
SCALE: 1/4"=1'-0" ON 22x34
1/8"=1'-0" ON 11x17
OPT. LARGE COVERED PATIO
ALL ELEV. 51M.
SEE BASE ELEV. FOR ADD'L INFO.

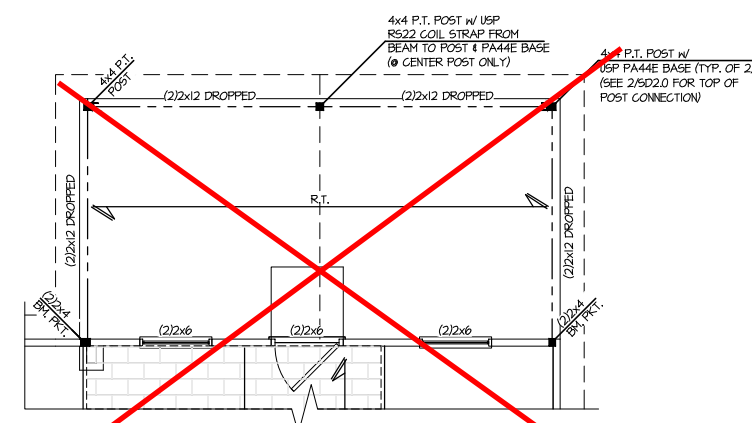
**Briarwood
LOT 17**

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

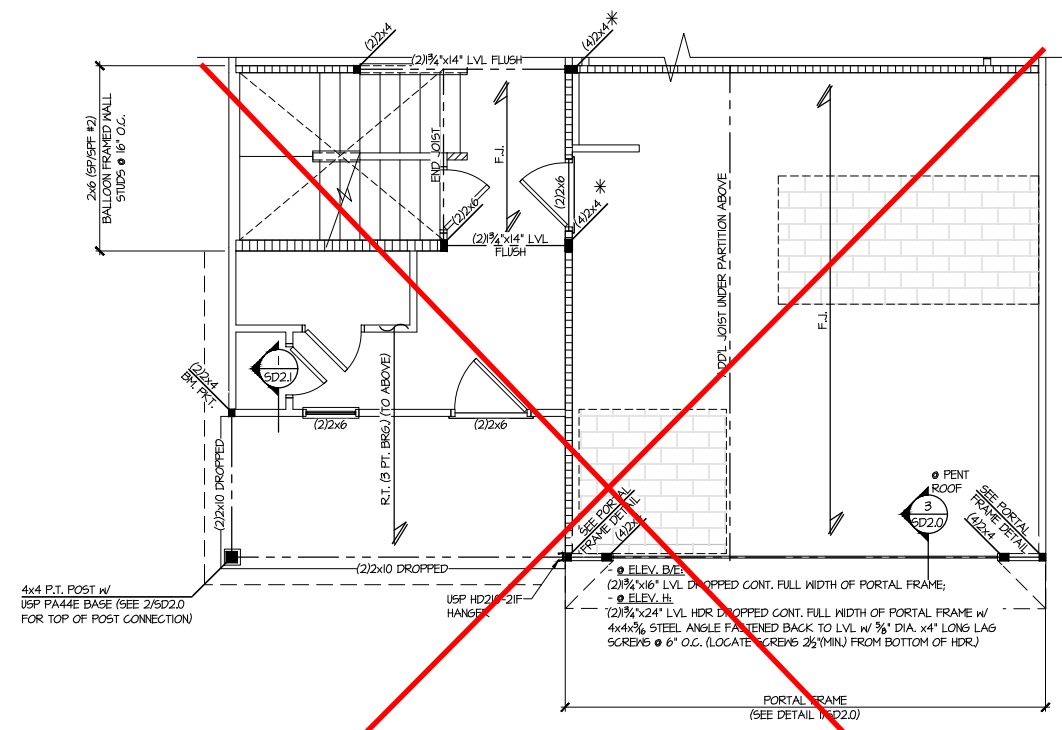
LEGEND	
• R.T.	INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. UNO.)
• O.F.	INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. UNO.)
• F.J.	INDICATES 14" DEEP FLOOR I-JOISTS @ 24" O.C. MAX. JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. NOTE: 14" FLOOR TRUSSES @ 24" O.C.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



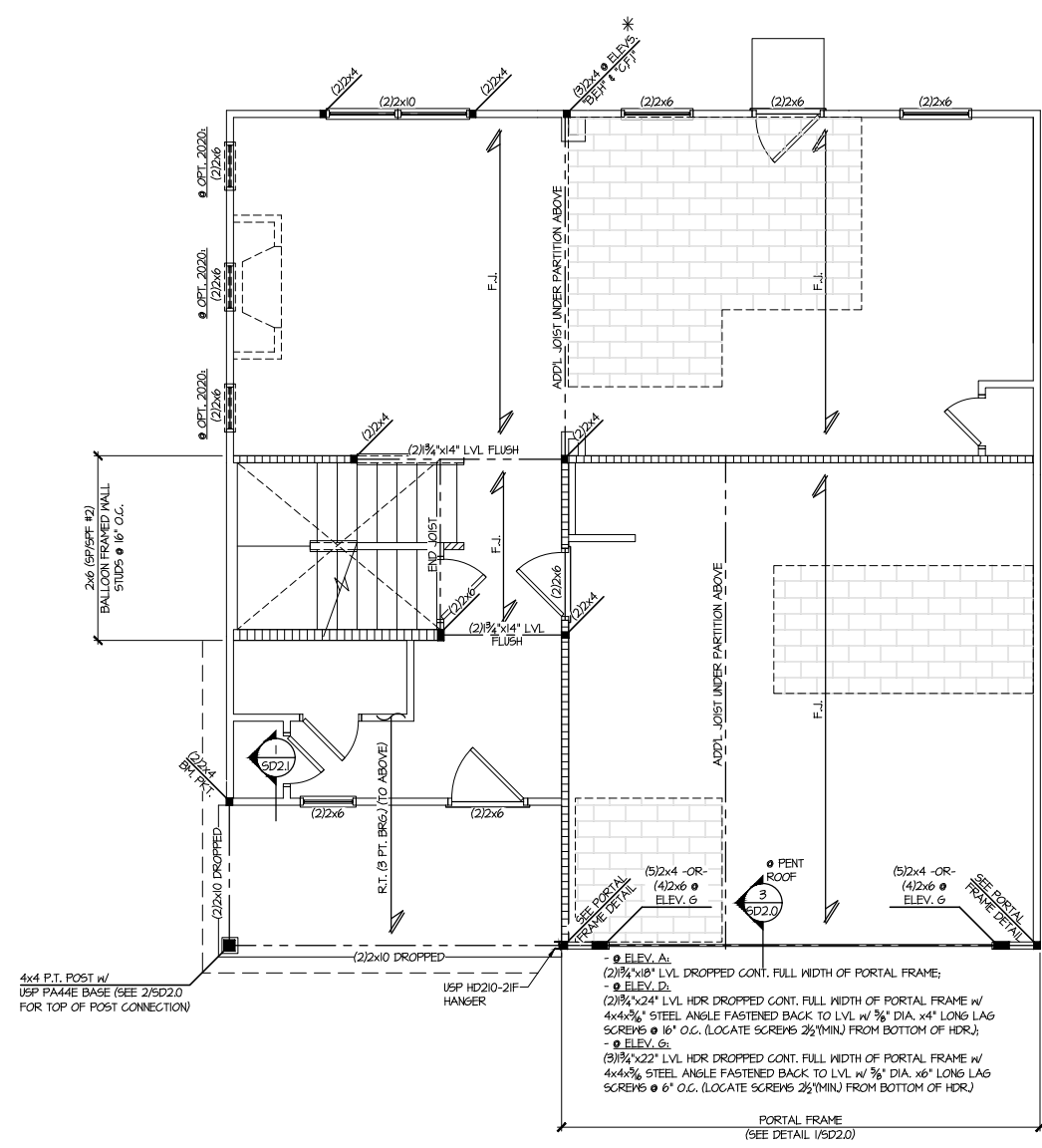
4 PARTIAL 2ND FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0" ON 22x34
1/8"=1'-0" ON 11x17
OPT. COVERED PATIO
ALL ELEV. & SIM.
SEE BASE ELEV. FOR ADD'L INFO.



5 PARTIAL 2ND FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0" ON 22x34
1/8"=1'-0" ON 11x17
OPT. LARGE COVERED PATIO
ALL ELEV. & SIM.
SEE BASE ELEV. FOR ADD'L INFO.

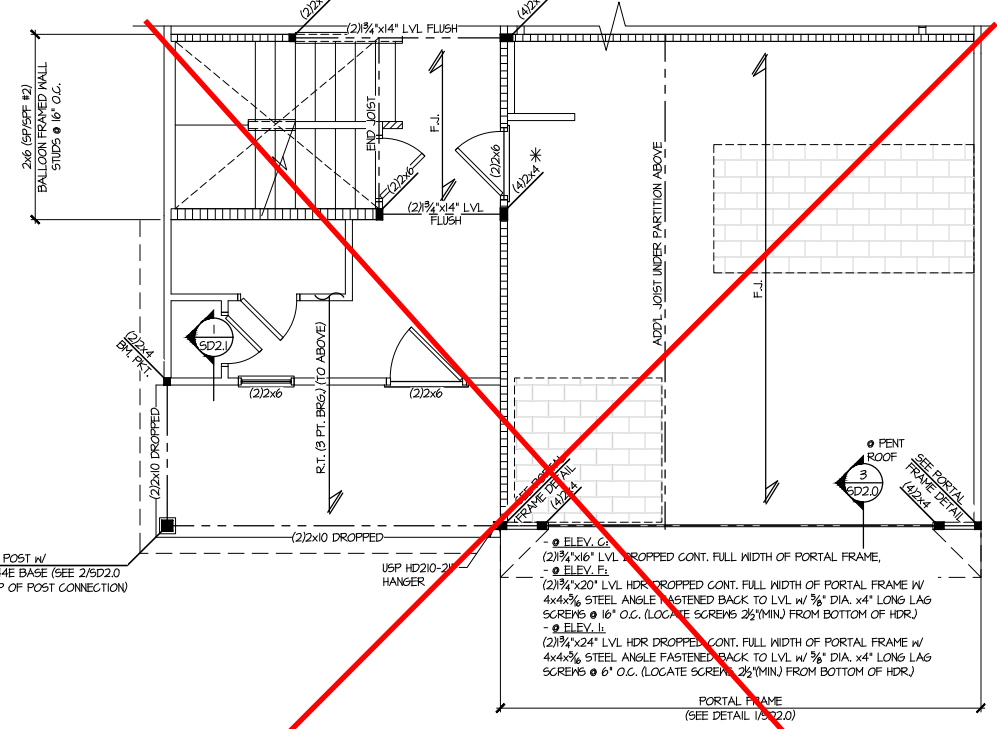


2 PARTIAL 2ND FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0" ON 22x34
1/8"=1'-0" ON 11x17
ELEV. B
ELEV. E & H SIM.
SEE ELEV. A FOR ADD'L INFO.



1 2ND FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0" ON 22x34
1/8"=1'-0" ON 11x17
ELEV. A
ELEV. D & G SIM.

NOTE:
FRONT EXTERIOR
GARAGE WALL TO BE
2x6 @ ELEV. G ONLY



3 PARTIAL 2ND FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0" ON 22x34
1/8"=1'-0" ON 11x17
ELEV. C
ELEV. F & I SIM.
SEE ELEV. A FOR ADD'L INFO.

**Briarwood
LOT 17**

THIS LEVEL HAS BEEN DESIGNED
FOR 9'-1" PLATE HEIGHT

REFER TO S0.0 FOR TYPICAL
STRUCTURAL NOTES & SCHEDULES

LEGEND	
• RT.	INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. UNO.)
• OF.	INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. UNO.)
• F.J.	INDICATES 14" DEEP FLOOR I-JOISTS @ 24" O.C. MAX. JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. NOTE: 14" FLOOR TRUSSES @ 24" O.C. MAX. IS AN ACCEPTABLE ALTERNATE FLOOR SYSTEM
• [Pattern]	INDICATES LOCATIONS OF POTENTIAL TILE FLOOR. JOIST MANUFACTURER SHALL DESIGN FLOOR SYSTEM FOR ADD'L 10 PSF DEAD LOAD AT THESE LOCATIONS.
• [Pattern]	INTERIOR BEARING WALL
• [Pattern]	BEARING WALL ABOVE (B.W.A.)
• [Pattern]	BEAM/HEADER
• [Pattern]	METAL HANGER
• *	INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



Mulhern+Kulp project number:
256-22017

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

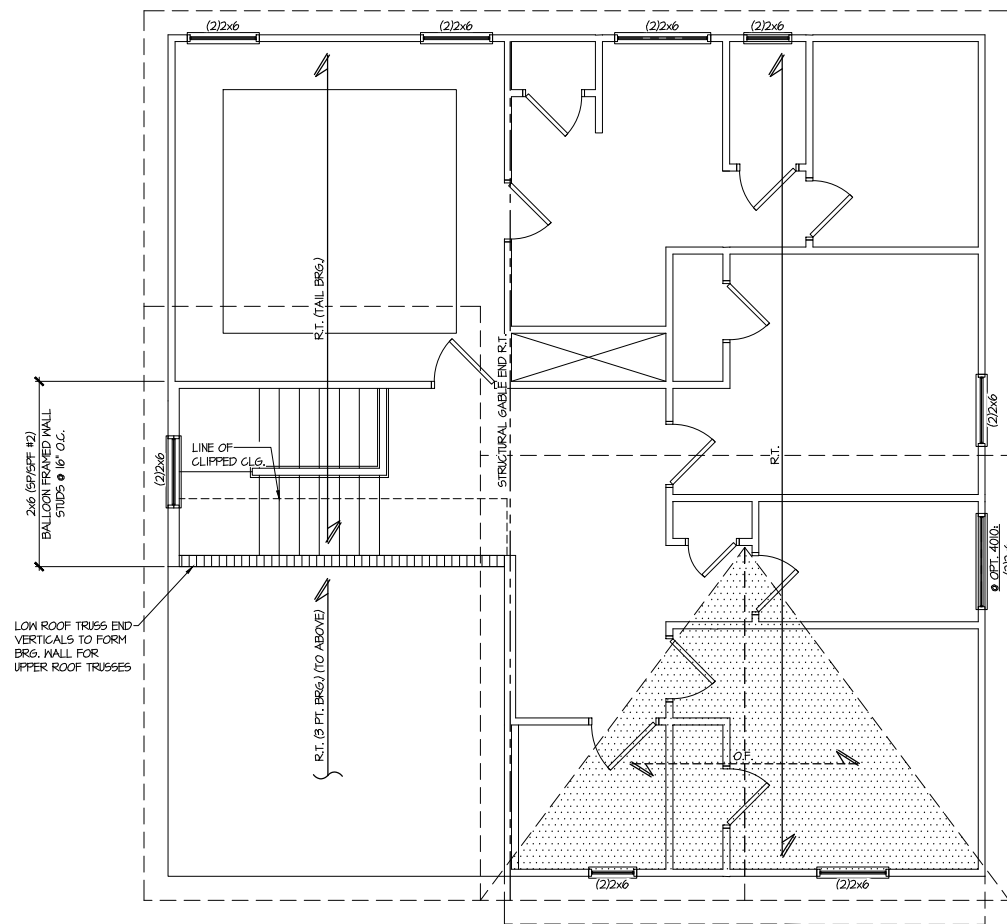
REVISIONS:
date: initial:

SMITH DOUGLAS
HOMES

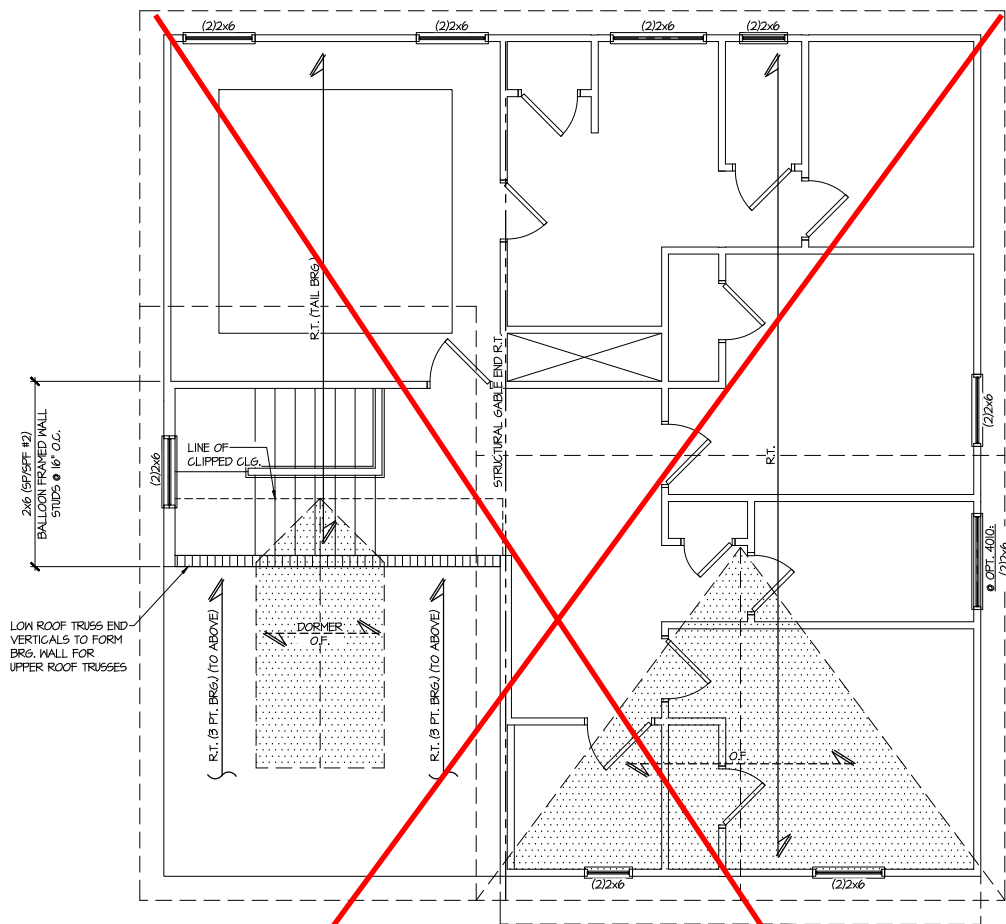
ROOF FRAMING PLAN
LAWSON MODEL
120 MPH WIND ZONE
NORTH CAROLINA

sheet:

S3.0



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



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

**Briarwood
LOT 17**

THIS LEVEL HAS BEEN DESIGNED
FOR 9'-1" PLATE HEIGHT

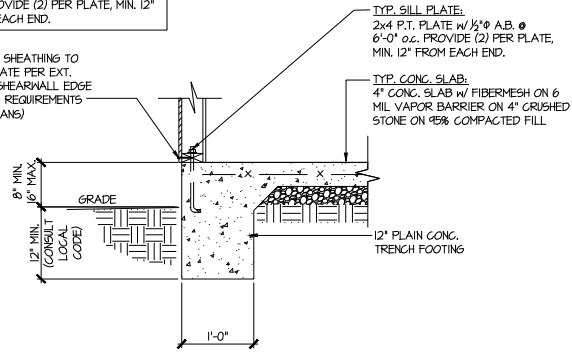
REFER TO S.O. FOR TYPICAL
STRUCTURAL NOTES & SCHEDULES

LEGEND

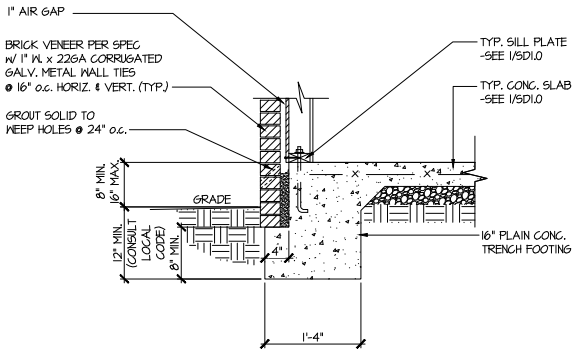
- R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. UNO.)
- O.F. INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. UNO.)
- F.J. INDICATES 14" DEEP FLOOR I-JOISTS @ 24" O.C. MAX. JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. NOTE: 14" FLOOR TRUSSES @ 24" O.C. MAX. IS AN ACCEPTABLE ALTERNATE FLOOR SYSTEM
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- BEARING WALL ABOVE (B.W.A.)
- BEAM/HEADER
- METAL HANGER
- INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

ALT. TO ANCHOR BOLTS:
USE FA4 MUDSILL ANCHORS @ 6'-0"
o.c. PROVIDE (2) PER PLATE, MIN. 12"
FROM EACH END.

FASTEN SHEATHING TO
SILL PLATE PER EXT.
WALL/ SHEARWALL EDGE
NAILING REQUIREMENTS
(SEE PLANS)

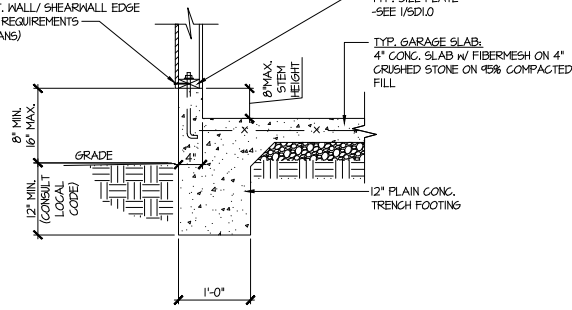


TYPICAL SLAB ON GRADE
PERIMETER FOOTING

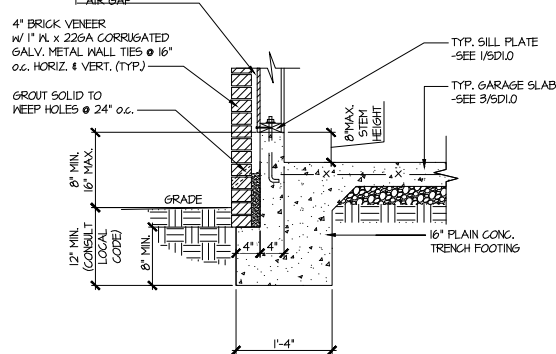


TYPICAL SLAB ON GRADE
PERIMETER FOOTING

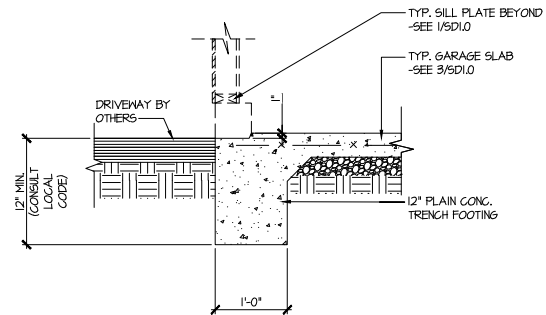
FASTEN SHEATHING TO SILL PLATE
PER EXT. WALL/ SHEARWALL EDGE
NAILING REQUIREMENTS
(SEE PLANS)



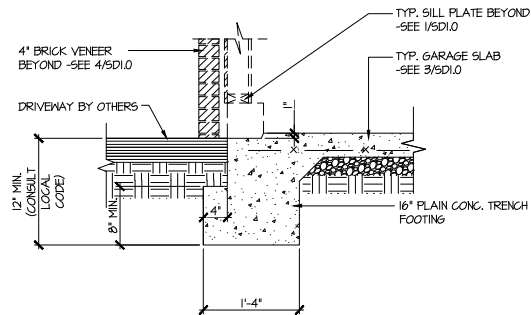
TYPICAL SLAB ON GRADE GARAGE
PERIMETER FOOTING



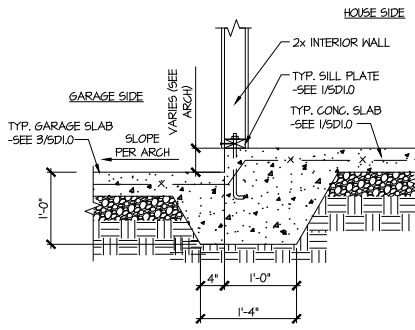
TYPICAL SLAB ON GRADE GARAGE
PERIMETER FOOTING



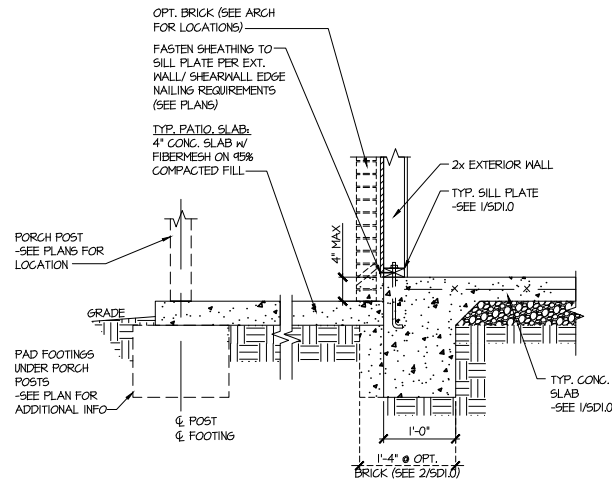
TYPICAL SLAB ON GRADE GARAGE
ENTRY @ PERIMETER FOOTING



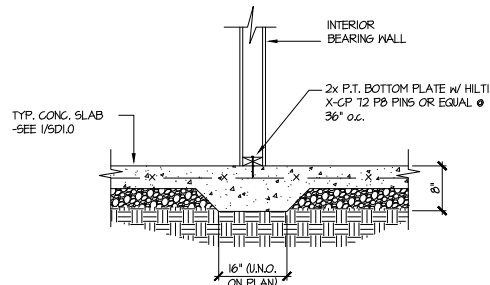
TYPICAL SLAB ON GRADE GARAGE
ENTRY @ PERIMETER FOOTING



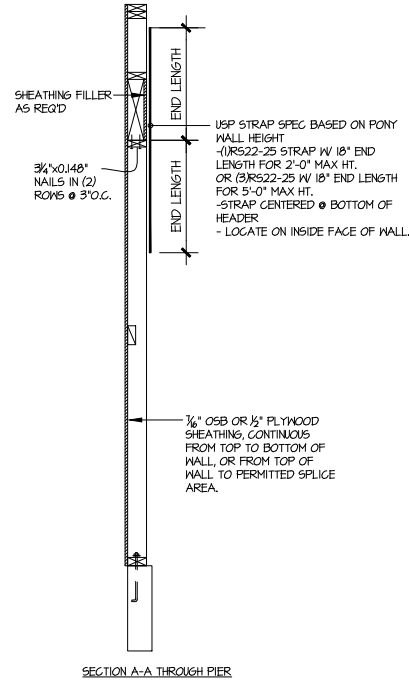
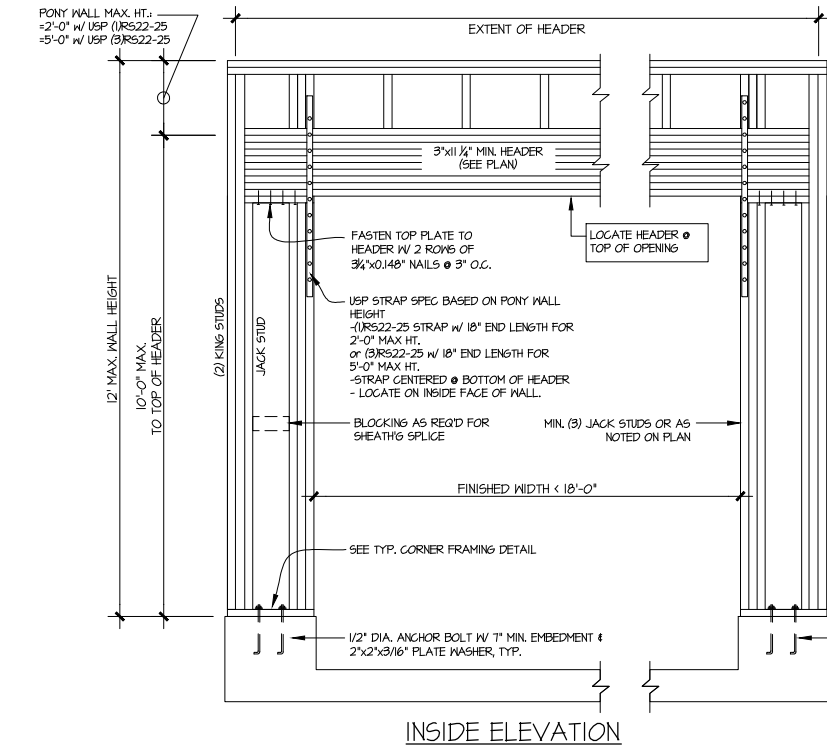
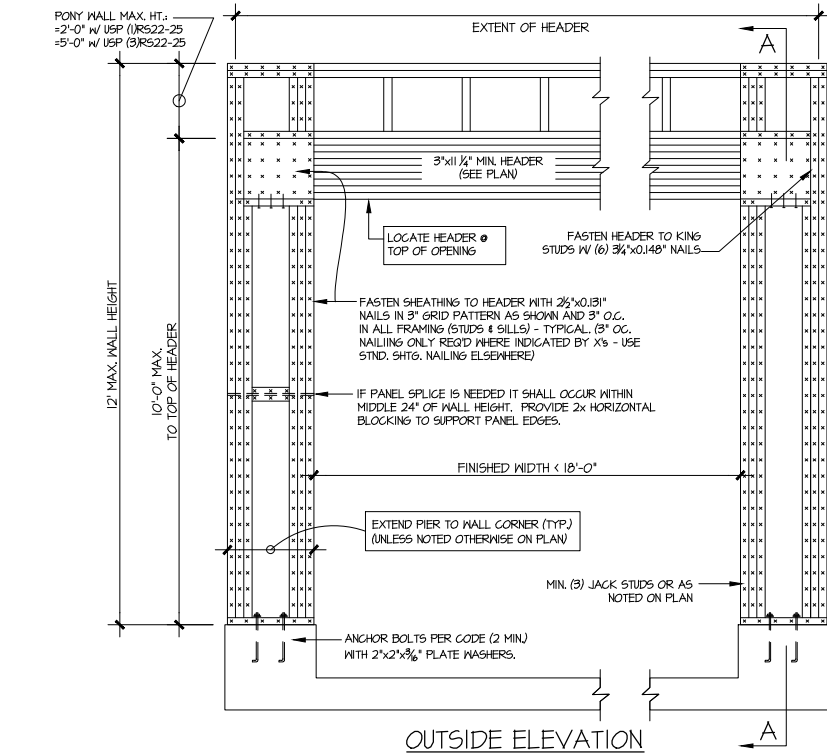
TYPICAL MONOLITHIC INTERIOR
GARAGE FOOTING



TYPICAL SLAB ON GRADE PERIMETER
FOOTING @ PORCH/PATIO

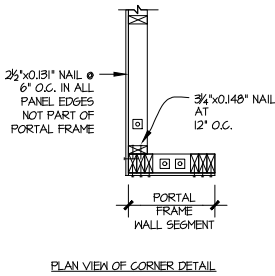


TYPICAL THICKENED SLAB @
INTERIOR BEARING WALL

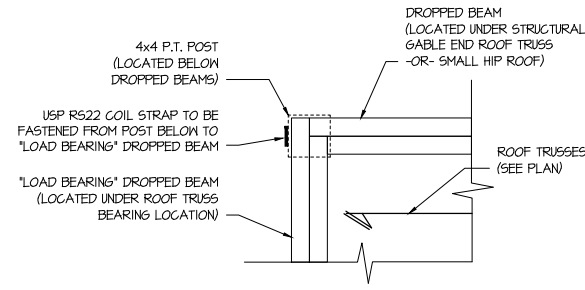


NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 3/8" OSB

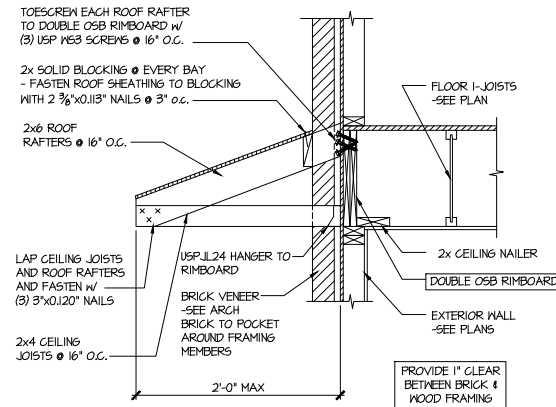
WALL FRAMING SPECIFICATION:
 2x4 WALL: USE SFF #2 GRADE STUDS (OR BETTER)
 2x6 WALL: USE SFF #2 GRADE STUDS (OR BETTER)



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

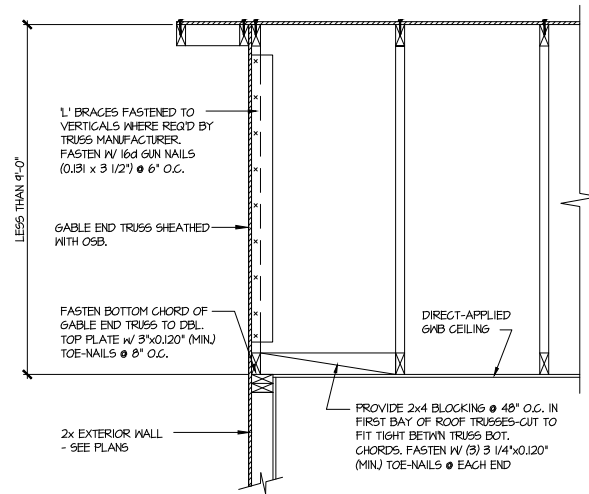
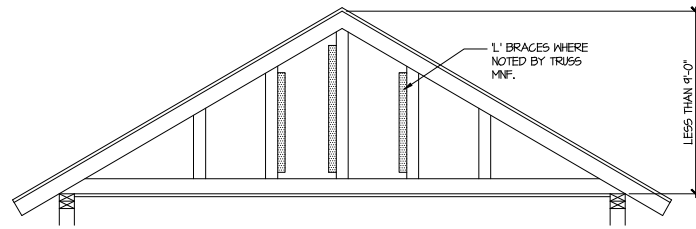


2 COVERED PORCH CONNECTION DETAIL
 SCALE: 1 1/2"=1'-0"



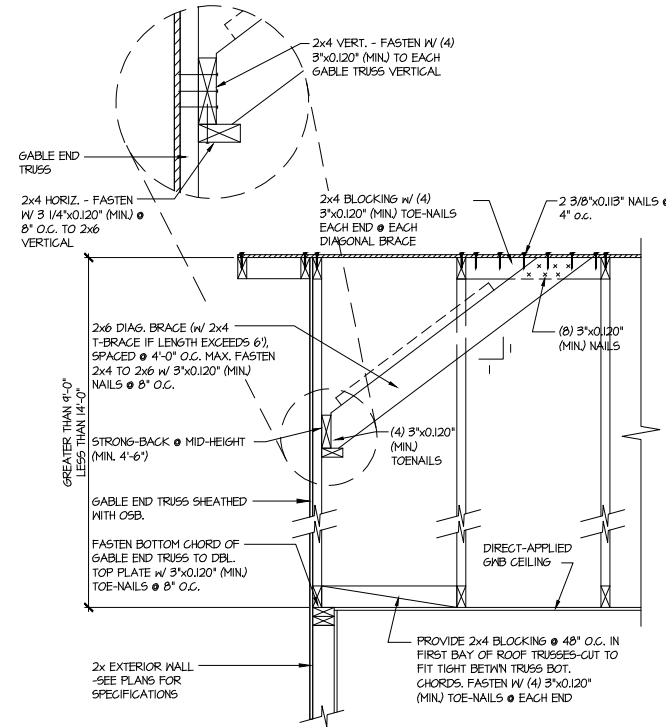
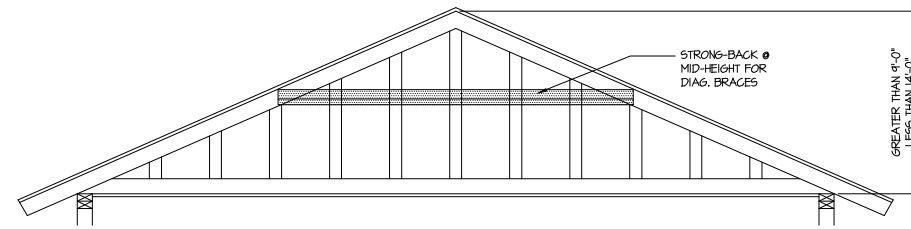
3 DETAIL @ PENT ROOF
 SCALE: 3/4"=1'-0"

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



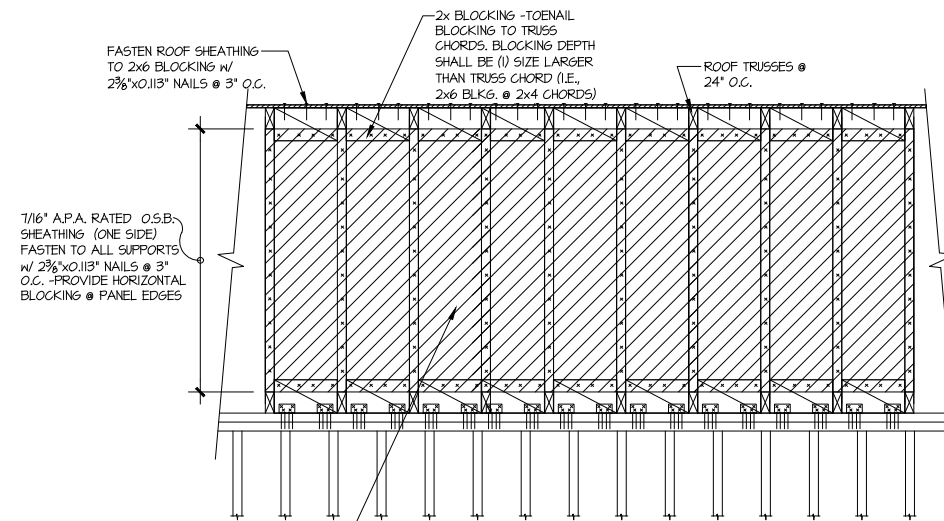
A TYPICAL GABLE END BRACING DETAIL
SCALE: NONE
REQ'D @ GABLE END TRUSS HEIGHT UP TO 9'-0"

BRACE GABLE END TRUSSES PER ABOVE DETAIL WHEN GABLE HEIGHT IS LESS THAN 9'-0". 1' BRACES REQUIRED WHERE NOTED BY TRUSS MANUFACTURER.



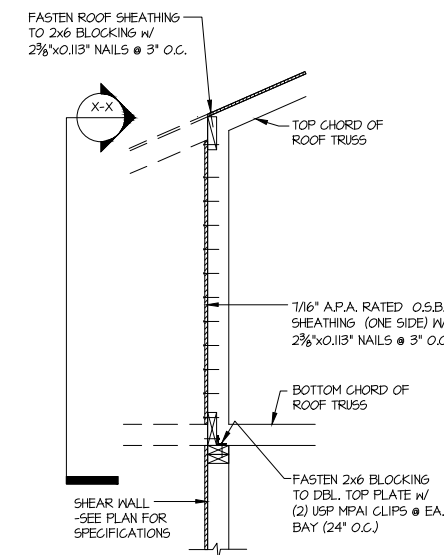
B TYPICAL GABLE END BRACING DETAIL
SCALE: NONE
REQ'D @ GABLE END TRUSS HEIGHT BETWEEN 9'-0" TO 14'-0"

BRACE GABLE END TRUSSES PER ABOVE DETAIL WHEN GABLE HEIGHT EXCEEDS 9'-0". 1' BRACES NOT REQUIRED.



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

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



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

LETTERED DETAILS ARE TYPICAL FOR THIS HOME & SHALL BE IMPLEMENTED IN ALL APPLICABLE AREAS. THESE DETAILS ARE NOT "CUT" ON THE PLANS.

NUMBERED DETAILS ARE PLAN SPECIFIC AND ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED ("CUT") ON THE PLANS.

PLACEMENT PLAN

[illegible]