LANDEN

BRIARWOOD BLUFF LOT 24

PLAN ID 010123

PAGE #



110 VILLAGE TRAIL SUITE 215 WOODSTOCK, GA. 30188

DATE

BY

	DRAWING INDEX
A0.0 A1.1 A2.1 A3.1 A5.1 A6.1 A7.2	COVER SHEET FRONT ELEVATIONS SIDE & REAR ELEVATIONS SLAB FOUNDATIONS FIRST FLOOR PLAN ROOF PLANS ELECTRICAL PLAN

AREA TABULATION		
FIRST FLOOR	1535	
TOTAL	1535	
GARAGE	397	
FRONT PORCH A & C	48	
MASSING(COVERED)	40	
REAR PATIO	120	

11/29/2022	ВВ	REVISED ROOF PITCH ON ALL ELEVATIONS AND ROOF PLANS	A1.1-A1.9, A2.1-A2.3, A6.1-A6.3

PLAN REVISIONS

REVISION

GOVERNMENTAL CODES & STANDARDS

HOME TO BE BUILT TO CONFORM TO ALL APPLICABLE LOCAL CODES, PRACTICES AND STANDARDS

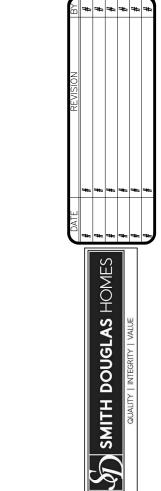
BUILDING CODE ANALYSIS / DESIGN CRITERIA

HOME TO BE BUILT TO MEET OR EXCEED ALL LOCAL CODES AND DESIGN CRITERIA

ALL NON-MASONRY RETURNS TO BE HORIZONTAL SIDING

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

BRIARWOOD BLUFF LOT 24

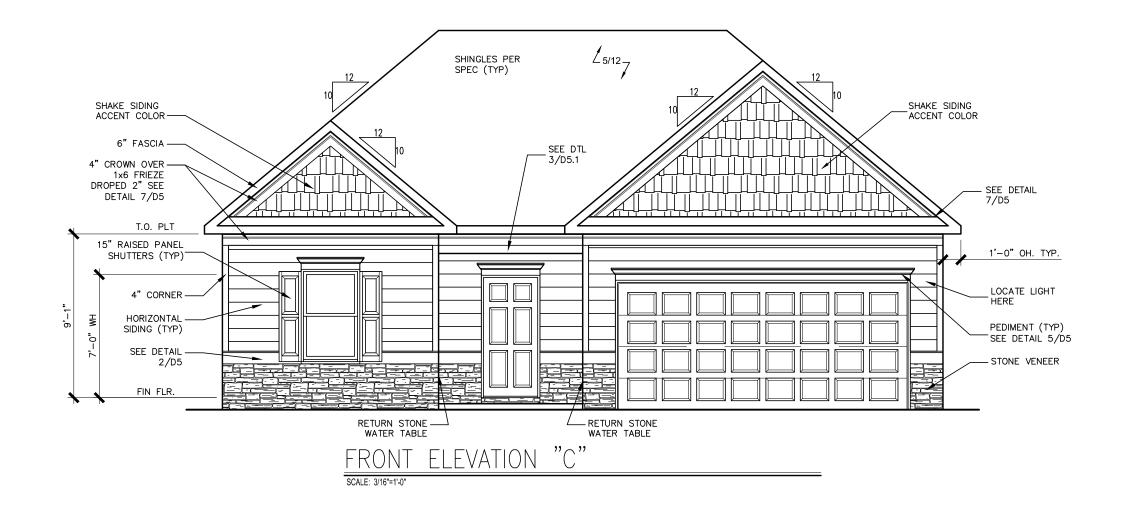




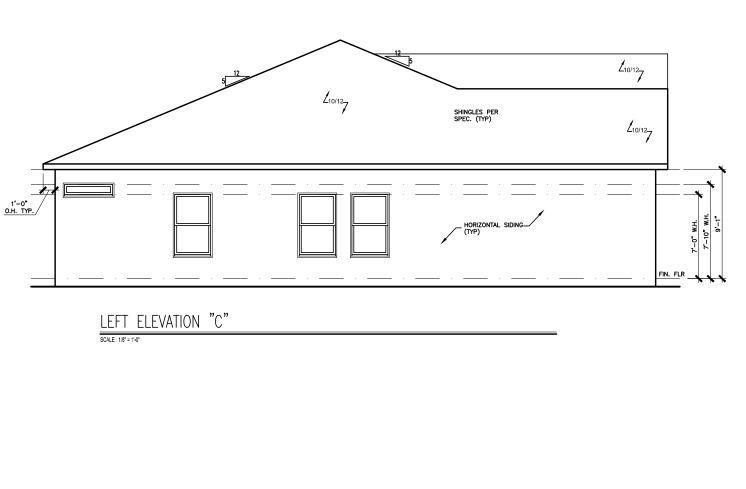
SMITH DOUGLAS HOMES expressly reserves it's property rights in these plans and drawings. These plans and related drawings are not to be reproduced without written

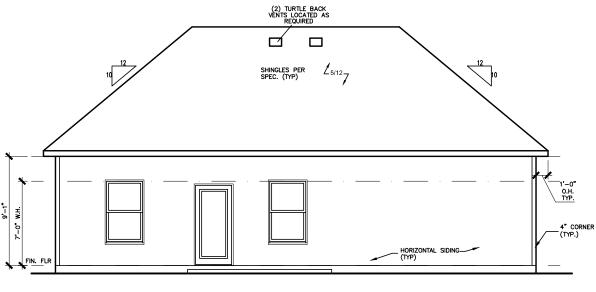
SMITH DOUGLAS HOMES 110 VILLAGE TRAIL SUITE 115 WOODSTOCK, GA 30188 www.smithdouglas.com





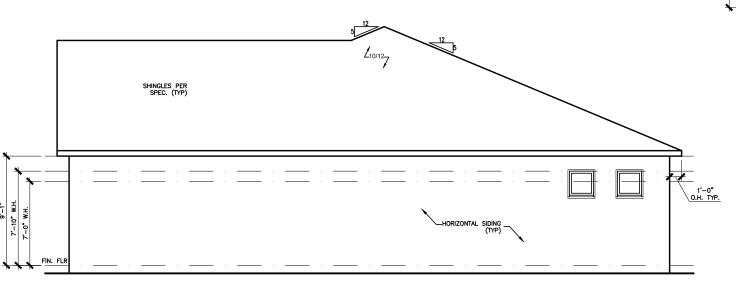
BRIARWOOD BLUFF LOT 24





REAR ELEVATION "C"

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



RIGHT ELEVATION "C"

SMITH DOUGLAS HOMES expressly reserves it's property rights in these plans and drawings. These plans and related drawings are not to be reproduced without write consent from SMITH DOUGLAS HOMES.

BY:

BY:

CH:

AAP

AAP

AAP

AAP

AW

 $igotimes_{\mathcal{D}}$ smith douglas homes

REAR

AND

SIDES

SMITH DOUGLAS HOMES 110 VILLAGE TRAIL SUITE 115 WOODSTOCK, GA 30188 www.smithdouglas.com

ELEVATIONS

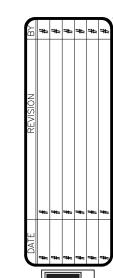
LANDEN

30'-5" 7'-9½" DROP 4" BELOW HOUSE SLAB 15'-8½" 7'-11½" 15'-8½" RADON VENT LOC. WH DROP 4" BELOW HOUSE SLAB DROP 4" BELOW HOUSE SLAB START AT THIS CORNER TO LAY OUT PLATES 16' X 7' OHGD (R.O. 16'-3" X 7'-1 1\(\times2\)") 1'-10½" 1'-10½" 20'-0" 40'-0" SLAB PLAN SCALE : 1/8" = 1'-0"

BRIARWOOD BLUFF LOT 24

*RADON VENT PROVIDED PER LOCAL CODE

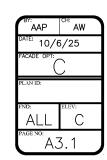
REFER TO DETAIL 3/D1
FOR BRICK LEDGE
DETAIL WHEN BRICK
VENEER IS CHOSEN



SMITH DOUGLAS HOMES

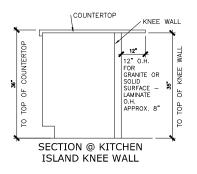
SMITH DOUGLAS HOMES
110 VILLAGE TRAIL
SUITE 115
WOODSTOCK, GA 30188
www.smithdouglas.com

SMITH DOUGLAS HOMES expressly reserves it's property rights in these plans and drawings. These plans and related drawings are not to be reproduced without written consent from SMITH DOUGLAS HOMES.



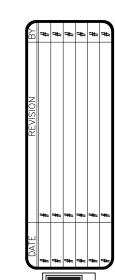
10X12 PATIO DINING 9'-0" CLG. SEE KNEE WALL DTL. THIS SHT. FAMILY ROOM 9'-0" CLG. OWNER'S SUITE 9'-0" clg. COAT FLEX SPACE 9'-0" clg. A/C LOC. OF AC T.B.D. PER SITE CONDITIONS/ COMMUNITY EXCEPTIONS BEDROOM 2 EXT. FOYER ¹ 9'-0" clg. (2)2X4 WA HDR. © _R&s _ GARAGE 9'-0" CLG. NO LIVING SPACE ABOVE GARAGE COVERED PORCH BEDROOM 3 9'-0" clg. 16' X 7' OHGD (R.O. 16'-3" X 7'-1 1/2") FIRST FLOOR PLAN SCALE : 1/8" = 1'-0"

BRIARWOOD BLUFF LOT 24



REFER TO MANUFACTURER'S SPECS. FOR DRAIN LOCATIONS ON DETAIL SHEETS D12,D12.1,D12.2 & D12.3

*RADON VENT PROVIDED
PER LOCAL CODE



SMITH DOUGLAS HOMES

FLOOR PLAN FIRST FLOOR LANDEN

SMITH DOUGLAS HOMES 110 VILLAGE TRAIL SUITE 115 WOODSTOCK, GA 30188 www.smithdouglas.com SMITH DOUGLAS HOMES expressly reserves it's property rights in these plans and drawings. These plans and related drawings are not to be

PLAN ID:

PAGE NO:

AAP

AW

AW

DATE: 10/6/25

FAGADE OPT:

PLAN ID:

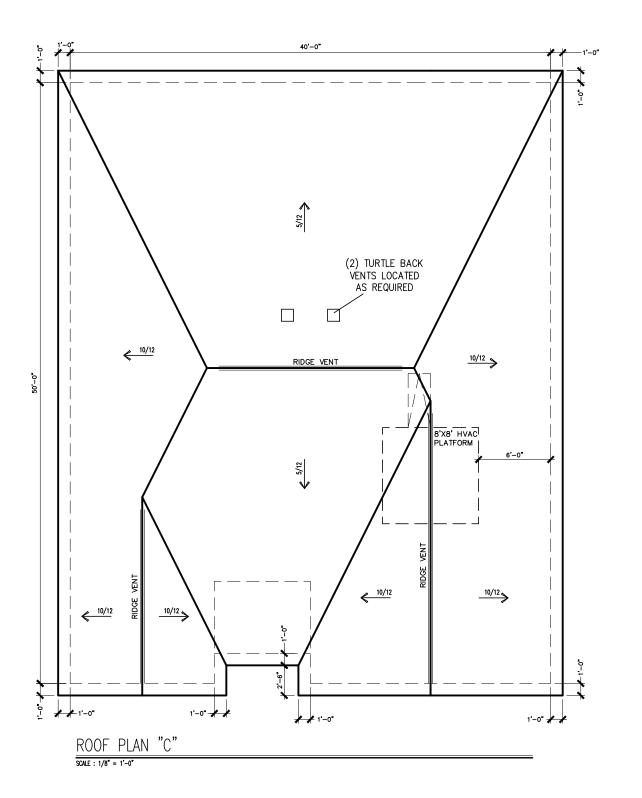
ELEV:

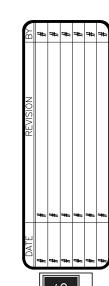
C

PAGE NO:

A5.1

BRIARWOOD BLUFF LOT 24







ROOF PLAN
ROOF PLAN
LANDEN

SMITH DOUGLAS HOMES
110 VILLAGE TRAIL
SUITE 115
WOODSTOCK, GA 30188
www.smithdouglas.com

SMITH DOUGLAS HOMES
expressly reserves, it's

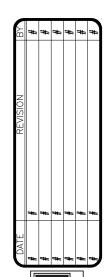
SMITH DOUGLAS HOMES expressly reserves it's property rights in these plans and drawings. These plans and related drawings are not to be reproduced without writter consent from SMITH DOUGLAS HOMES.



10X12 PATIO DINING W.I.C. Q OWNER'S **FAMILY** ROOM / (3) GFCI GFCI OWNER'S DO NOT INSTALL 220V OUTLET UNLESS ELEC. RANGE SELECTED SUITE KITCHEN /FOR A/C BEDROOM 2 🕸 NDRY LNDRY FLEX EXT. SPACE ELECTRICAL PROVIDED AS NEEDED FOYER GARAGE COVERED PORCH BEDROOM 3

BRIARWOOD BLUFF LOT 24

ELE	ectrical i	_EGE	ND
\$	SWITCH	φ	120V RECEPTACLE
\$3	3 WAY SWITCH	Ψ	220V RECEPTACLE
\$4	4 WAY SWITCH	P _{GFCI}	GFCI OUTLET
-ф _к	KEYLESS	⊕w _P	WEATHER PROOF GFCI OUTLET
ΨØ	WALL MOUNT FIXTURE	Pusa	USB OUTLET
Ø	CEILING FIXTURE	T _{GL}	GAS LINE
0	CEILING FIXTURE	8	FLOOD LIGHT
TV	TV		CEILING FAN
C5 ₩	CAT 5		CEILING TAN
₽H	TELEPHONE	▤	EXHAUST FAN
SD/C₀ ₩	SMOKE DETECTOR & CARBON MONOXIDE		ELECTRICAL WIRING
ELECTRICAL PLANS TO FOLLOW ALL LOCAL CODES			
APPRO	X. FIXTURE HGTS (MEASUR	ED FROM B	OTTOM OF FIXTURE)
BREAKFAST/DINING ROOM		63" ABO	VE FINISHED FLOOR
KITCHEN PENDANT LIGHTS		33" ABO	VE COUNTER TOP
TWO STORY FOYER FIXTURE			FROM 1ST FLR TO OF LIGHT FIXTURE
CEILING FAN		96" ABO	VE FINISHED FLOOR
FLOOD LIGHTS		10' MAX	. ABOVE FIN. FLOOR





ELECTRICAL PLAN FIRST FLOOR LANDEN

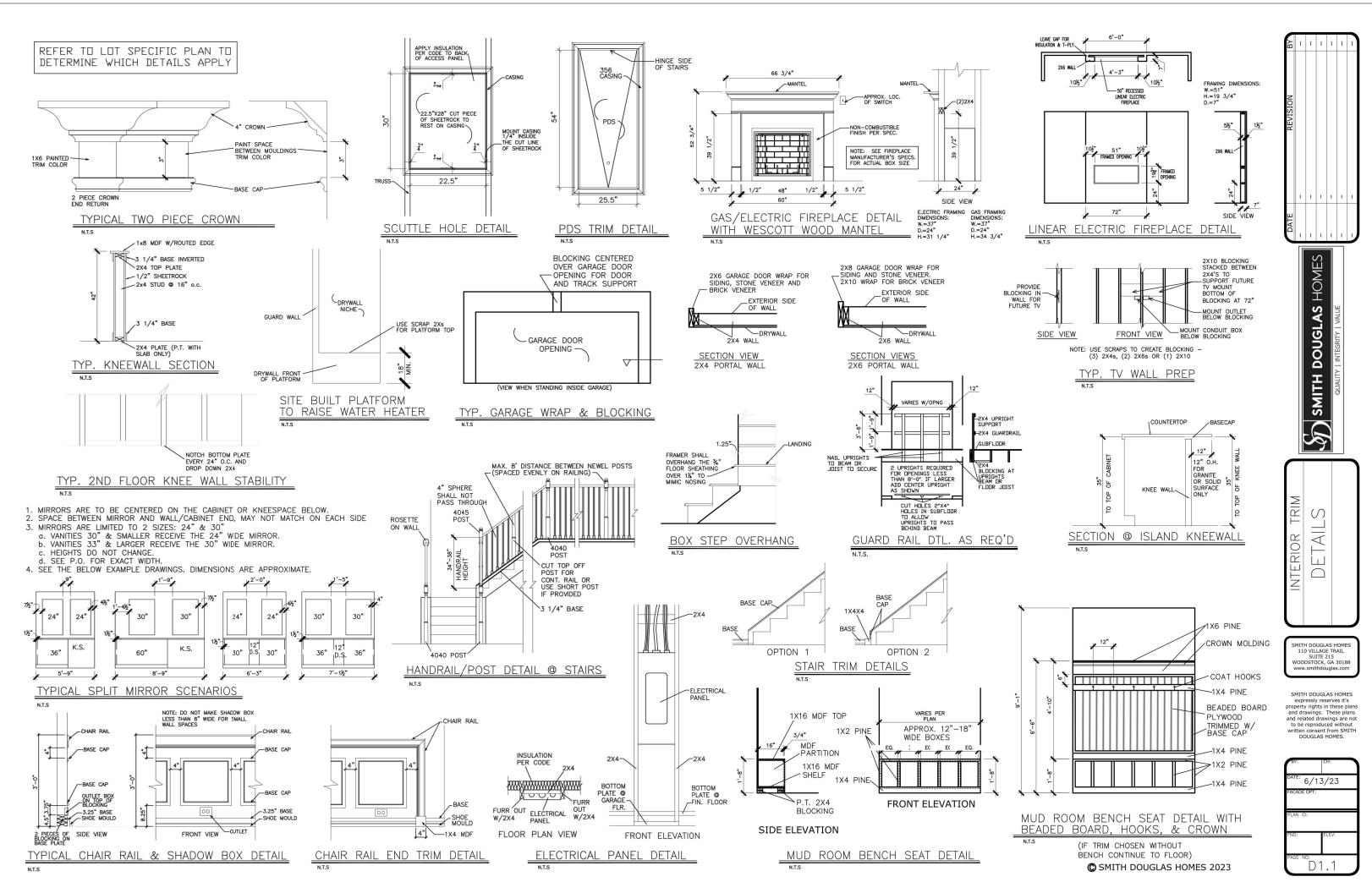
SMITH DOUGLAS HOMES 110 VILLAGE TRAIL SUITE 115 WOODSTOCK, GA 30188 www.smithdouglas.com

SMITH DOUGLAS HOMES expressly reserves it's property rights in these plans and drawings. These plans and related drawings are not to be reproduced without written consent from SMITH DOUGLAS HOMES.



FIRST FLOOR ELECTRICAL PLAN

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



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	(I2) 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 + (I) SIMPSON H2.5T	(4) TOENAILS + (I) SIMPSON H2.5T
GAB. END TRUSS TO DBL. TOP PL.	TOENAILS @ 8" O.C.	TOENAILS @ 6" o.c.
R.T. w/ HEEL HT. 91/4" TO 12"	2xIO BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 6" O.C.	2xIO BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 4" O.C.
R.T. w/ HEEL HT. 12" TO 16"	2xI2 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 6" O.C.	2xI2 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 4" 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.	LAP WALL SHTG. W/ DBL. TOP PL. & INSTALL ON TRUSS VERT FASTEN W/ NAILS @ 6" O.C.*
R.T. w/ HEEL HT. 24" TO 48"	LAP WALL SHTG, W/ DBL, TOP PL. & INSTALL ON TRUSS VERT FASTEN W/ 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*
WALL TO FOUNDATION	WALL SHTG. LAP W/ SILL PL. & FASTENED PER SHEAR WALL FASTENING SPEC.	

2½°x0.113 IS AN ACCEPTABLE ALTERNATIVE TO A 3°x0.120°, SAME SPACING OR NUMBER OF NAILS. DNLY 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 M&K 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:

- ROOF TRUSSES: 1/4" DEAD LOAD
- ATTIC TRUSSES, & I-JOISTS: 1/8" DEAD LOAD
- ABSOLUTE DEAD LOAD DEFECTION OF ATTIC TRUSSES WHEN AD JACENT TO ELOOR FRAMING BY OTHERS SHALL BE LIMITED TO 3/16". (NOT DIFFERENTIAL DEFLECTION)

VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x¼"
	3 FT. MAX	L3"x3"x¼"
6'-0"	I2 FT. MAX	L4"x3"x¼"
	20 FT. MAX	L5"x3½"x¾"
8'-0"	3 FT. MAX	L4"x4"x¼" *
	I2 FT. MAX	L5"x3½"x5%"
	l6 FT. MAX	L6"x3½"x¾"
9'-6"	I2 FT. MAX	L6"x3½"x5%"

. LINTELS: HALL SUPPORT 2 % - 3 ½ ' VENEER W 40 psf MAXIMM WEIGHT 6' SHALL HAVE 4' NIN BEARING 6' SHALL HAVE 5' MIN, BEARING 6' SHALL NOT BE FASTENED BACK TO HEADER.

(4) SHALL BY TEE FASTENDE DACK TO HEADER IN MALL 048°02, M/3° DIA x 3 3/5° LONG 1A6 SCREPE BY ACT LONG VERTICALLY SLOTTED HOLES, M/3° DIA x 3 3/5° LONG 1A6 SCREPE IN 2° LONG VERTICALLY SLOTTED HOLES, MAX VEREER IN APPLIED TO ANY PORTION OF PROKE OVER THE OPENING, ALL INITIES SHALL BE LONG LEG VERTICAL.
ALL INITIES SHALL BE LONG LEG VERTICAL.
BY SHEPS SHIPPORT VEREER C 3° MICE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOY FOR NORTHEY COMPANISHED STORY ALLOY SHOW THE PILED TO BE 3/2° MICE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOY FOR NORTHEY COMPANISHED STORY ALLOY SHOW THE MATCHES THE STORY OF MATCHES THE SHOW THE STORY OF MATCHES THE SHOW THE SHO

R QUEEN VENEER USE L4x3x/4".

GENERAL STRUCTURAL NOTES

FOUNDATION

DESIGN IS BASED ON 2018 NCSBC-RESIDENTIAL CODE

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, I2" MAX. FROM PLATE ENDS - UTILIZING I/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: I/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 ACL 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 eq 000,000 psi

BASEMENT FOUNDATION WALL DESIGN BASED ON:

 8' OR 9' 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 (GW GP GW 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 BACKELLING, BY ADEQUATE TEMPORARY BRACING OR INSTALL 1st FLOOR DECK.

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

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

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

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

• JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" OC (MAXIMUM)

• JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (I:I RATIO), WITH A MAXIMUM OF I:1.5 RATIO

· CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SI ABS

TYPICAL REINFORCEMENT DETAILS: PROVIDE 3" MIN. CLEAR COVER WHERE CAST AGAINST FARTH, LI/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.

LEGEND

R.T. NDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUE (TYP IINO)

OF. INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.) F.J. NDICATES 14" DEEP FLOOR 1-JOISTS (24" O.C. MAX

SPACING), JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER D.J. NDICATES 2x8 P.T. DECK JOISTS @ 16" O.C. (MAX.)

INDICATES LOCATIONS OF POTENTIAL TILE FLOOR. JOIST MANUFACTURER SHALL DESIGN FLOOR
SYSTEM FOR ADD'L 10 PSF DEAD LOAD AT THESE LOCATIONS

INTERIOR BEARING WALL

■ □□□□□ BEARING WALL ABOVE (B.W.A.)

BEAM/HEADER

JL 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:)MPH WIND IN 2018 NCSBC:R(

\$ 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.

HE DESIGN WAS COMPLETED PER 2015 & 2018 IBC ECTION 1609) & ASCE 7, AS PERMITTED BY R30113 OF THE 2018 NCSBC:RC & 2018 IRC. IF THE PARAMETERS OF SECTION R602.12 COMPLY CCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREWITHIN IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

DESIGN WIND UPLIET LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NCSBC:RC & 2018 IRC SECTION R802.II.I. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5¢ R802.II.

EXT. WALL SHEATHING SPECIFICATION

1/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W/ 2 3 "XO.II3 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

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 × 0.113 NAILS @ 3" O.C. AND 12" O.C. IN THE PÄNEL FIELD NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEI 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. T 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

FLOOR FRAMING

- I-JOISTS SHALL BE DESIGNED BY MANUE TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA, (EXCLUDES STONE/MARBLE OR WET BED CONSTRUCTED FLOORS - CONTACT M&K 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 TONA HANDBOOK (TILE COUNCIL OF NORTH AMERICA).
- AT I-JOIST FLOORS, PROVIDE I" 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 I (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND
- $2\frac{1}{2}$ " \times 0.131" NAILS @ 6"o.c. @ PANEL EDGES & @ 12"o.c. FIELD. x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD
- 2 🖁 × 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 I (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS w/ 2 ½" x 0.131" NAILS @ 6"o.c. @ PANEL EDGES € @ 12" O.C. FIELD.
- w/ 2 3 × 0.120 NAILS @ 4 O.C. @ PANEL EDGES & @ 8 O.C. FIELD. - w/ 2 3 × 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.C
- 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 BCSI I "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."
- SUPPORT SHORT SPAN ROOF TRUSSES W/2x4 LEDGER FASTENED TO FRAMING w/(2) 3" \times 0.120" NAILS @ 16" O.C. (UP TO T' SPAN).

MEANS & METHODS NOTES

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

TRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENTS IN CONTACT WITH LOOR FRAMING ARE LEVEL, INCLUDING, BUT NOT LIMITED FOUNDATIONS, SLABS ON GRADE, BEAMS, WALLS, AND NON-BEARING ELEMENTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIF 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 NGSBC-RESIDENTIAL CODE

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

• DESIGN LOADS ROOF

LIVE = 20 PSF DEAD = 7 PSF T.C., 10 PSF B.C. LOAD DURATION FACTOR = 1.25

FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (1-JOISTS)

2,000 PSF ASSUMED ALLOWABLE BEARING

ADD'L IO PSF @ CERAMIC TILE IN BATHS & LAUND.

PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

- CONNECTIONS TABLE (IRC TABLE R602.3(1)) OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION, ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL
- 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
- 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
- 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=2.0x10^6 psi

(I)2x4/6 FLAT @ OPENINGS UP TO 4', (2)2x4/6 FLAT UP TO 8'.

- ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:
 'LVL' Fb=2400 psi; FcII=2500 psi; E=I.8xI0^6 psi
- FOR 2 & 3 PLY BEAMS OF EQUAL 13/4" MAX, WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"XO.120" NAILS @ 8" O/C OR 2 ROWS USP WS35 SCREWS (OR 31/3" 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 $\frac{1}{2}$ " OR 5 $\frac{1}{4}$ 4 BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8
- FOR 4 PLY BEAMS OF EQUAL 13/4" MAX, WIDTH, FASTEN PLIES TOGETHER WITH 3 ROMS OF USP WS6 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 T" 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 BCS22-4 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 FINA 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.

MUCHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERINS C-3825



Mulhern+Kulp project numbe 256-21019

project mgr SMK ILM issue date 02-03-22

initial:

REVISIONS

SMITH DOUGI HOMES

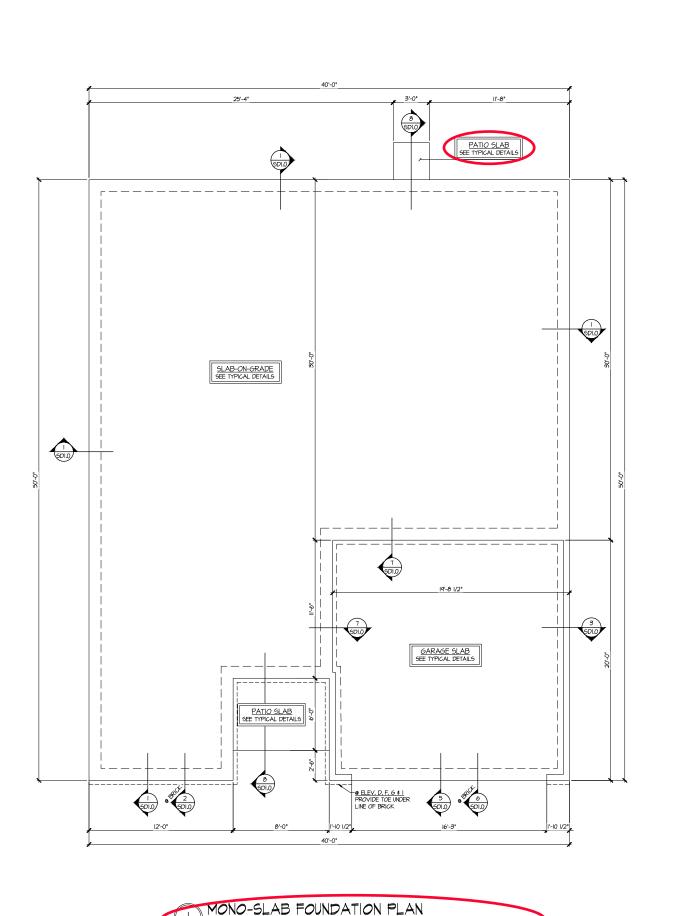
STRUCTURAL NOTES MODI

ZONI WIND NDEN 120 N

GENERAL

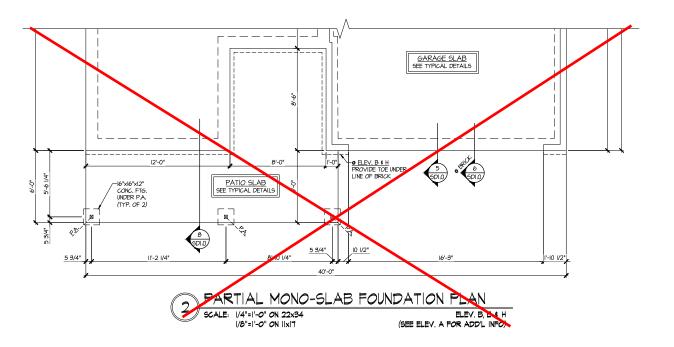
SO.C

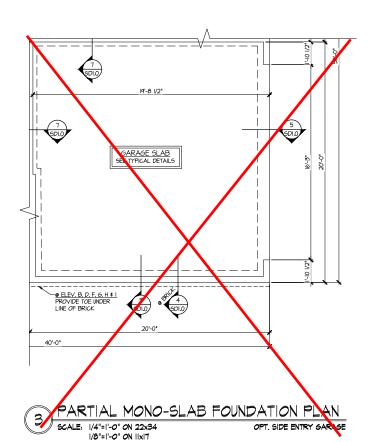
BRIARWOOD OT 24



SCALE: 1/4"=1'-0" ON 22x34 1/8"=1'-0" ON 11x17

ELEV. A, C, D, F, G & I





BRIARWOOD LOT 24

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

LEGEND

• RT. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)

• OF INDICATES TRUSS OVERFRAMING • 24" O.C. (TYP. UNO.)

F.J. NDICATES 14" DEEP FLOOR I-JOISTS (24" O.C. MAX SPACING), JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER

• D.J. INDICATES 2x8 P.T. DECK JOISTS @ 16" O.C. (MAX.) INDICATES LOCATIONS OF POTENTIAL TILE FLOOR.
JOIST MANUFACTURER SHALL DESIGN FLOOR
SYSTEM FOR ADD'L 10 PSF DEAD LOAD AT THESE

LOCATIONS. • IIIIIII INTERIOR BEARING WALL

• CTTT BEARING WALL ABOVE (B.W.A.)

• ---- BEAM/HEADER

• JL METAL HANGER

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

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERINS 2025 Beckeler Perkey, Sale 185 - Agin 2772-777-2674 - mathematicans NC License # C-3825



Mulhern+Kulp project number: 256-21019

SMK drawn by: MJF issue date: 02-03-22

REVISIONS:

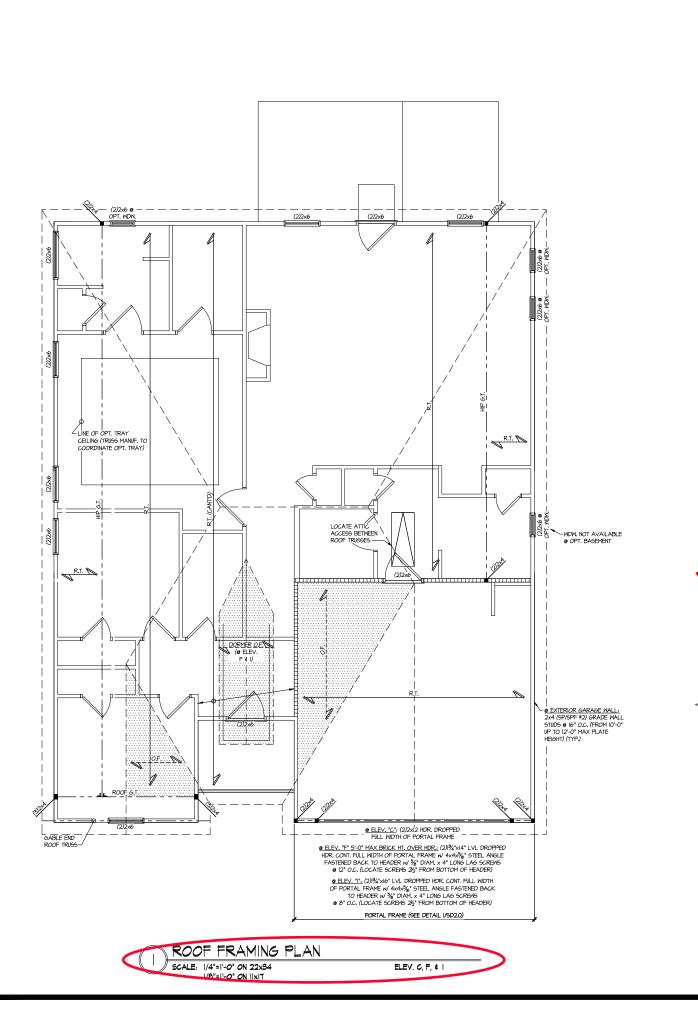
initial:

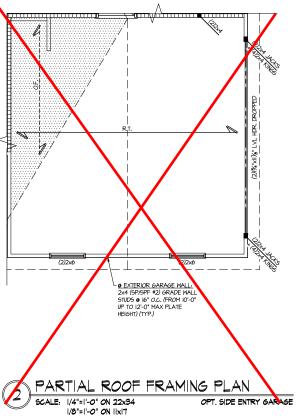
SMITH DOUGLAS HOMES

FOUNDATION ANDEN MODEL MONO-SLAB

120 MPH WIND ZONE NORTH CAROLINA

S1.0





5/31/23

MULHERN + KULP

RESIDENTIAL STRUCTURAL ENGINEERING

RESIDENTIAL STRUCTURAL ENGINEERING

FORTING STRUCTURAL ENGINEERING STRUCTURAL ENGINEERING STRUCTURAL ENGINEERING STRUCTURAL ENGINEERING S



Mulhern+Kulp project number: 256-21019

SMK MJF issue date: 02-03-22

REVISIONS:

initial:

SMITH DOUGLAS HOMES

ANDEN MODEI PLAN

LEGEND

• R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)

LOT 24

BRIARWOOD

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

F.J. NDICATES 14" DEEP FLOOR I-JOISTS (24" O.C. MAX SPACING), JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER

INDICATES LOCATIONS OF POTENTIAL TILE FLOOR.

• □=== BEARING WALL ABOVE (B.W.A.)

• --- BEAM/HEADER

• JL METAL HANGER

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

• OF. INDICATES TRUSS OVERFRAMING • 24" O.C. (TYP. U.N.O.)

• D.J. INDICATES 2x8 P.T. DECK JOISTS @ 16" O.C. (MAX.)

JOIST MANUFACTURER SHALL DESIGN FLOOR SYSTEM FOR ADD'L 10 PSF DEAD LOAD AT THESE LOCATIONS.

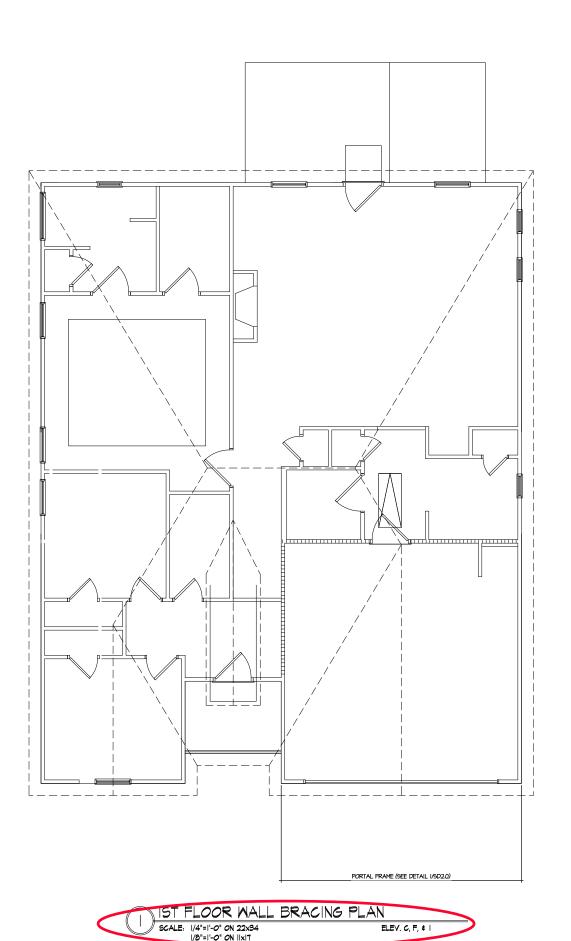
• IIIIIII INTERIOR BEARING WALL

FRAMING |

ROOF

S3.2

120 MPH WIND ZONE NORTH CAROLINA



_ATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:

20MPH WIND IN 2018 NCSBC: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 NCSBC:RC & 2018 IRC. IF THE PARAMETERS OF SECTION R602.12 COMPLY. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREWITHIN, 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
NCSBC:RC \$ 2018 IRC SECTION R802.II.I.I. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 R802.II.

EXT. WALL SHEATHING SPECIFICATION

- 1/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W/ 2 3 XO.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
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1 ¾" 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 × 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.

- 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

BRIARWOOD LOT 24

REFER TO SO.O FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

LEGEND

• R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)

OF. INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.)

F.J. NDICATES 14" DEEP FLOOR 1-JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER

D.J. NDICATES 2x8 P.T. DECK JOISTS @ 16" O.C. (MAX.)

- INDICATES LOCATIONS OF POTENTIAL TILE FLOOR. JOIST MANUFACTURER SHALL DESIGN FLOOR SYSTEM FOR ADD'L 10 PSF DEAD LOAD AT THESE LOCATIONS.
- IIIIIII INTERIOR BEARING WALL
- □□□□□ BEARING WALL ABOVE (B.W.A.)
- ■ ■ BEAM/HEADER
- JL METAL HANGER
 - INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINEERING Structure Parkway, Suite 186 > Agin B-77-4874 - methankapaem C License # C-3825

5/31/23



Mulhern+Kulp project number: 256-21019

SMK MJF issue date: 02-03-22

initial:

REVISIONS:

SMITH DOUGLAS HOMES

PLAN BRACING MODI

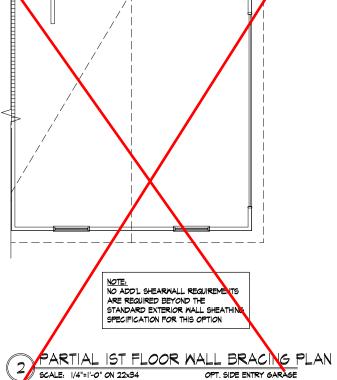
ZONE Ina 120 MPH WIND Z NORTH CAROLII NDEN

S

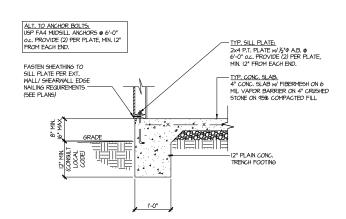
WALL

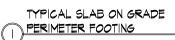
OOR

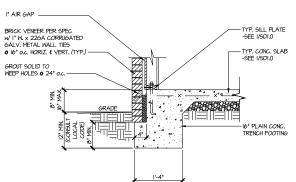
S3.2l



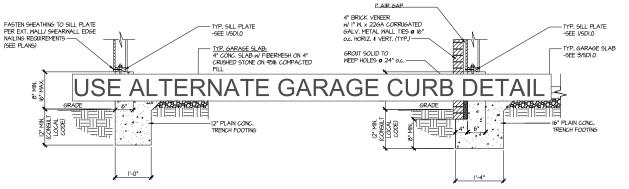
1/8"=1'-0" ON 11x17





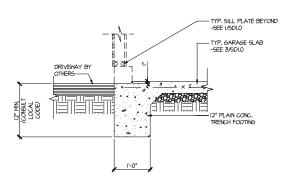




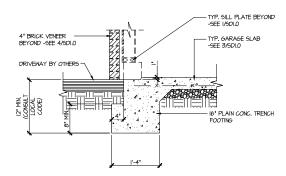


TYPICAL SLAB ON GRADE GARAGE 3 PERIMETER FOOTING

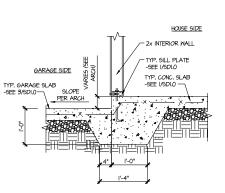




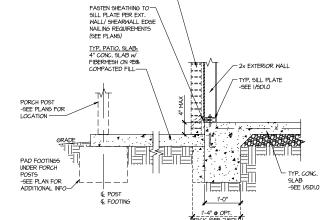
TYPICAL SLAB ON GRADE GARAGE (5) ENTRY @ PERIMETER FOOTING



TYPICAL SLAB ON GRADE GARAGE 6 ENTRY @ PERIMETER FOOTING

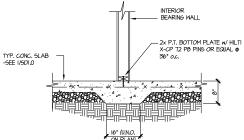


TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING

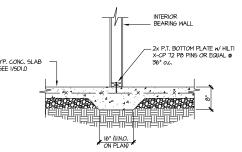


OPT. BRICK (SEE ARCH FOR LOCATIONS)

TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO



TYPICAL THICKENED SLAB @ 9 INTERIOR BEARING WALL



LOT 24

BRIARWOOD

5/31/23

MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERINS SECSION CONTROL OF STATE OF ST

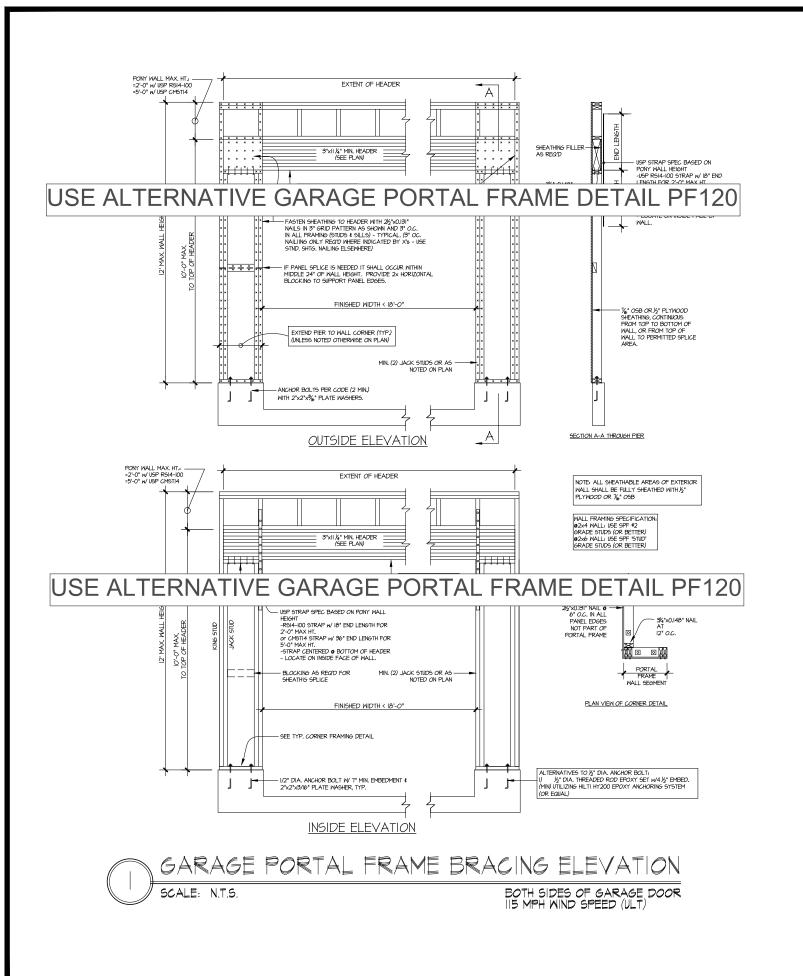
Mulhern+Kulp project number:

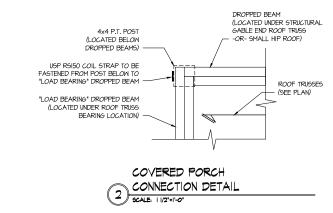
256-21019 SMK MJF issue date: 02-03-22 REVISIONS: initial:

SMITH DOUGLAS HOMES

MODE ZONE FOUNDATION DETAILS 120 MPH WIND Z NORTH CAROLII ANDEN

SD1.0







MULHERN+KULP
RESIDENTIAL STRUCTURAL ENSINEERINS 205 Beckele Petwey, Suite 165 - Ages 9.78-77-4804 - methenleigner NC License # C-3825



Mulhern+Kulp project number: 256-21019

MJF issue date: 02-03-22

REVISIONS:

initial:

SMITH DOUGLAS HOMES

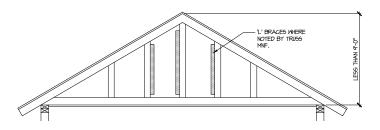
MODE

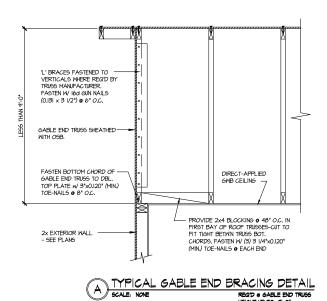
120 MPH WIND ZONE NORTH CAROLINA

FRAMING DETAILS ANDEN

SD2.0

BRIARWOOD LOT 24





BRACE GABLE END TRUSGES PER ABOVE DETAIL WHEN GABLE HEIGHT IS LEGS THAN 9'-O'. L' BRACES REQUIRED WHERE NOTED BY TRUSS MANUFACTURER.

- STRONG-BACK • MID-HEIGHT FOR DIAG. BRACES 2x4 VERT. - FASTEN W (4) 3"x0.120" (MIN.) TO EACH GABLE TRUSS VERTICAL 2x4 BLOCKING W (4) 3*x0.120" (MIN.) TOE-NAILS EACH END @ EACH DIAGONAL BRACE 2x4 HORIZ. - FASTEN
W 3 I/4"x0.I20" (MIN.) 9
8" O.C. TO 2x6
VERTICAL —2 3/8"x0.113" NAILS € 4" o.c. 2x6 DIAG. BRACE (w/ 2x4
T-BRACE IF LENGTH EXCEEDS 6);
SPACED 6 4-0 O.C. MAX. FASTEN
2x4 TO 2x6 w/ 3*X01,20* (MIN)
NAILS 6 8* O.C.

XX EXECUTE:
XX EX 主 STRONG-BACK @ MID-HEIGHT (MIN. 4'-6") FASTEN BOTTOM CHORD OF — GABLE END TRUSS TO DBL. TOP PLATE w/ 3"x0.120" (MIN.) TOE-NAILS & 8" O.C. - PROVIDE 2x4 BLOCKING @ 48" O.C. IN FIRST BAY OF ROOF TRUSSES-CUT TO FIT TIGHT BETWN TRUSS BOT. CHORDS, FASTEN W (4) 3"X0,120" (MIN.) TOE-NAILS @ EACH END 2x EXTERIOR WALL -SEE PLANS FOR SPECIFICATIONS

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

B TYPICAL GABLE END BRACING DETAIL SCALE: NONE REGID & GABLE END TRUGG

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.

5/31/23

MUCHERNAL STRUCTURAL ENGINEERING
TESTICAL PRINCE, SER TO ANTHER SATES
TO FITTER A TESTICAL SATES
TO FI

Mulhern+Kulp project number: 256-21019

SMK MJF issue date: 02-03-22

REVISIONS:

initial:

SMITH DOUGLAS HOMES

LANDEN MODEI FRAMING DETAILS

120 MPH WIND ZONE NORTH CAROLINA

BRIARWOOD

LOT 24

SD2.1





3625 Brookside Parkway, Suite 165, Alpharetta, GA 30022 🔻 p 770-777-0074 🔻 mulhernkulp.com

July 28, 2023

lody Hunt

Director of Product Development

SMITH DOUGLAS HOMES

110 Village Trail, Suite 215 Woodstock, GA 30188

ALTERNATE GARAGE PORTAL FRAME DETAIL

Smith Douglas Homes

Reference "Alternate Garage Portal Frame Detail" on sheet PF-120 & PF-130, prepared by Mulhern & Kulp dated 07/28/2023 - attached

Jody:

Pursuant to your request, we have prepared this letter to address the "Alternate Garage Portal Frame Detail", prepared by Mulhern & Kulp for Smith Douglas Homes.

Detail" on sheet "PF-130" is an acceptable alternative portal frame design for anywhere in North Carolina with a wind speed less than The "Alternate Garage Portal Frame Detail" on sheet "PF-120" is an acceptable alternative portal frame design for anywhere in North The "Alternate Garage Portal Frame or equal to 130mph ultimate wind speed per ASCE 7-16. These details only apply to structural plans that have been designed by Mulhern& Kulp. It is the responsibility of "SDH" to provide the correct "Alternate Garage Portal Frame Detail", to the building Carolina with a wind speed less than or equal to 120mph ultimate wind speed per ASCE 7-16. department that matches the jurisdiction's wind speed requirements.

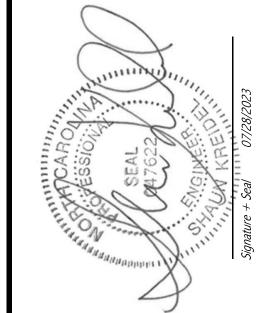
Please feel free to call if you have any questions.

Respectfully,

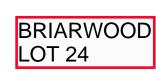
MULHERN & KULP STRUCTURAL ENGINEERING, INC.

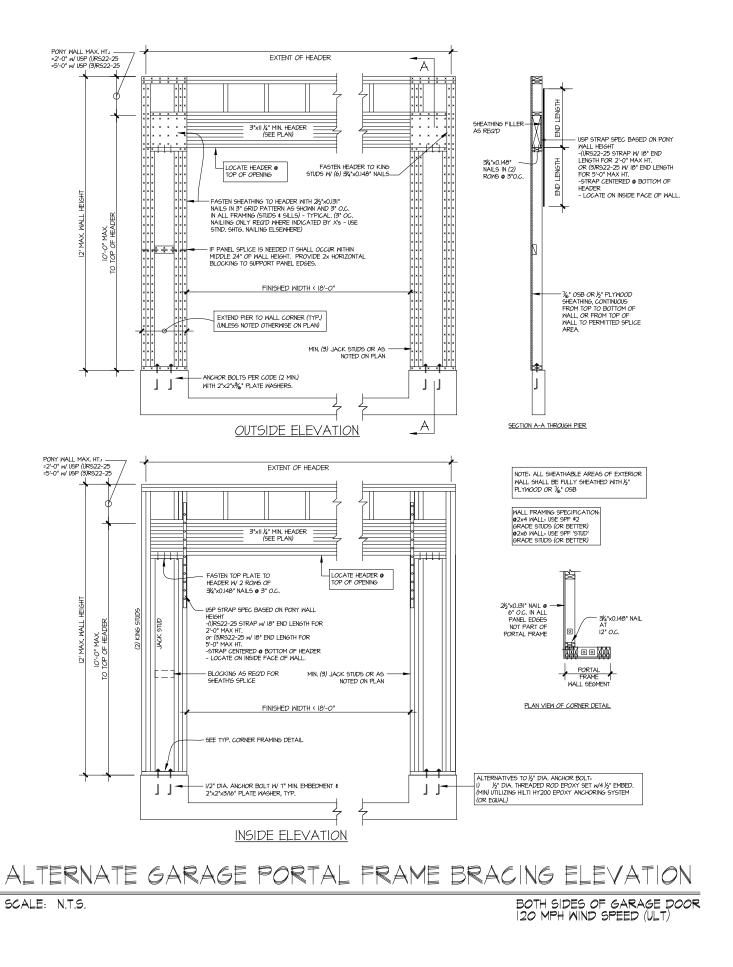
NC License # C-3825

Project Manager + Atlanta Office Director Shaun M. Kreidel, P.E.



P:|Client Files|256 - Smith Douglas Homes|2023|23000 - 2023 Client Admin|2023-07-28 - Alternate Portal Frame Letter|Alternate Garage Portal Frame Detail -Letter - RLH.docx

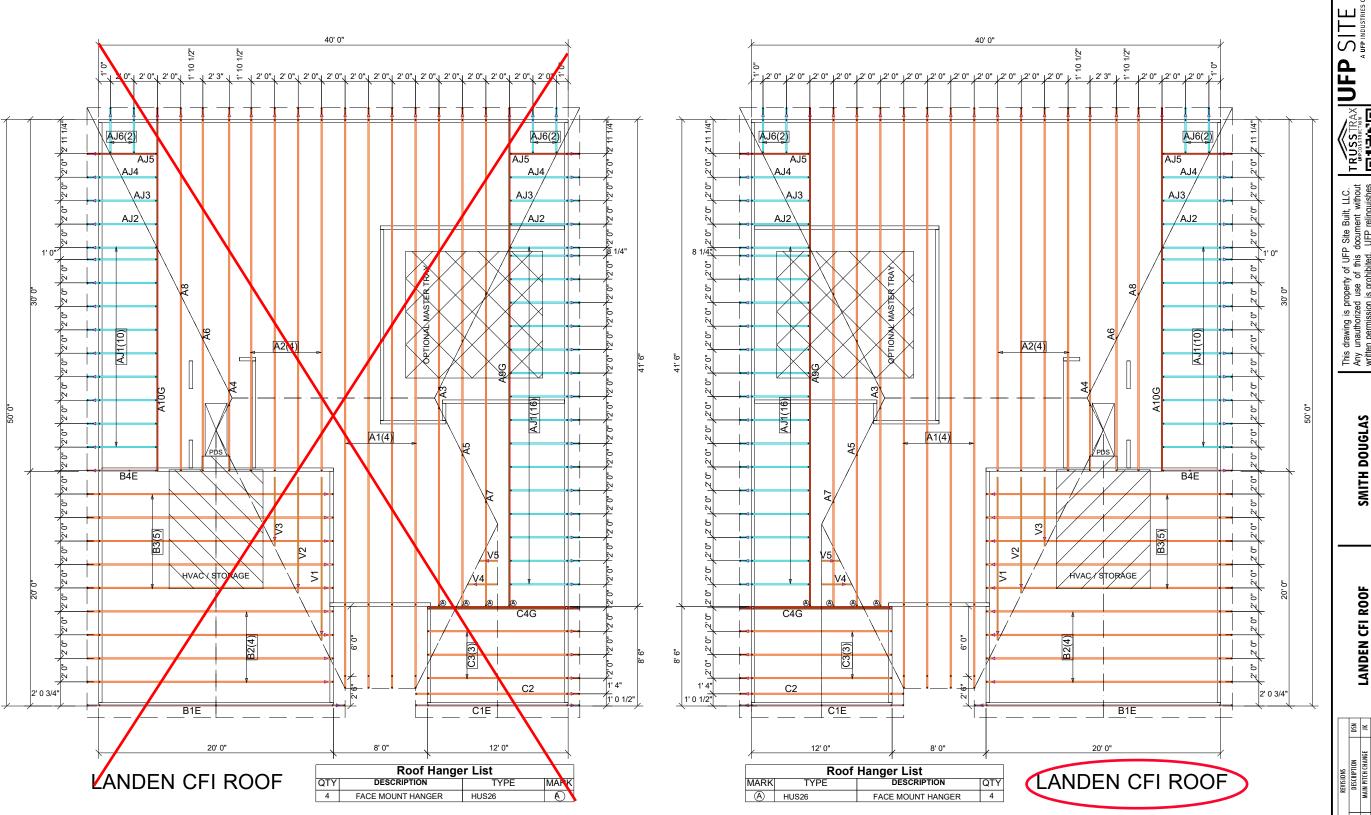




ocopyright: MULHERN & KULP Structural Engineering, Inc. MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
STRUCTURAL ENGINEERING
STRUCTURAL ENGINEERING
STRUCTURAL ENGINEERING Mulhern+Kulp project number: 256-23000 SMK RAP issue date: 07.28.2023 REVISIONS: initial: SMITH DOUGLAS HOMES FRAME PORTAL FRAME ALTERNATE PORTAL

BRIARWOOD LOT 24

PF-120



TRUSSIRAX This drawing is property of UFP Site Built, LLC. Any unauthorized use of this document without written permission is prohibited. UFP relinquishes ownership of delivered product upon delivery. Owner of product must obtain UFP's authorization prior to any alteration or modification of product, UFP will not be held responsible for any unauthorized modifications done or costs incurred without prior written authorization from UFP. DOUGLAS SMITH 핑 DEN NS ×

DESIGNER JK
LAYOUT DATE 05/02/2023
ARCH DATE 04/07/2023

STRUC DATE N/A

JOB #: MASTER

_ Med Mos

> Burlington, NC Chesapeake, V. Clinton, NC Conway, SC Jefferson, GA