LANDEN

DUNCANS CROSSING LOT 49

PLAN ID 010123



110 VILLAGE TRAIL SUITE 215 WOODSTOCK, GA. 30188

	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)		
REAR PATIO	200	

DATE	BY	REVISION	PAGE #
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

GOVERNMENTAL CODES & STANDARDS

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

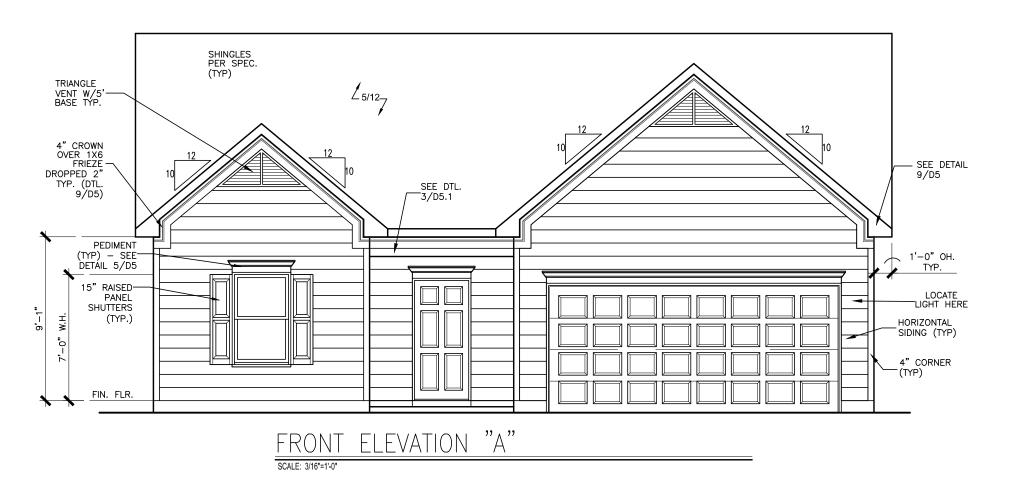
BUILDING CODE ANALYSIS / DESIGN CRITERIA

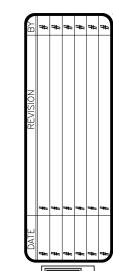
HOME TO BE BUILT TO MEET OR EXCEED ALL LOCAL CODES AND DESIGN CRITERIA

ALL NON-MASONRY RETURNS TO BE HORIZONTAL SIDING

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

DUNCANS CROSSING LOT 49



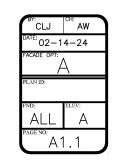


SMITH DOUGLAS HOMES

ELEVATIONS FRONT ELEVATION LANDEN

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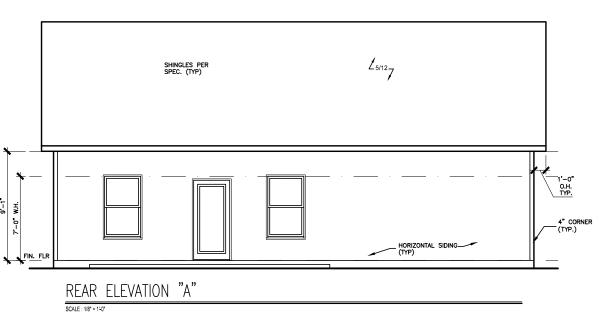
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HORIZONTAL SIDING HORIZONTAL SIDING HORIZONTAL SIDING HORIZONTAL SIDING SHINGLES PER SPEC. (TYP) FIN. FLR FIN. FLR SALE: 18" + T4"

RIGHT ELEVATION "A"

DUNCANS CROSSING LOT 49





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BY:
CLJ CH:
CH:
AW
DATE: 02-14-24

SMITH DOUGLAS HOMES

REAR

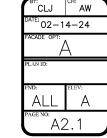
ANA

SIDES

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ELEVATIONS

LANDEN

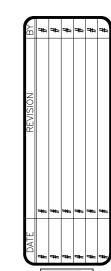


3'-0" DROP 4" BELOW HOUSE SLAB RADON VENT LOC. WH DROP 4" BELOW HOUSE SLAB START AT THIS CORNER TO LAY OUT PLATES SLAB PLAN SCALE : 1/8" = 1'-0"

DUNCANS CROSSING LOT 49

*RADON VENT PROVIDED PER LOCAL CODE

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

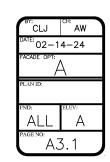


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FOUNDATION PLAN
SLAB PLAN
LANDEN

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10X20 PATIO W.I.C. DINING 9'-0" CLG. FAMILY ROOM 9'-0" CLG. 2'-4½" 3'-5" KITCHEN OO OWNER'S SUITE 9'-0" CLG. COAT FLEX SPACE 9'-0" CLG. BEDROOM 2 9'-0" clg. EXT. FOYER * 9'-0" clg. (2)2X4_WA LOC. OF AC T.B.D. PER SITE CONDITIONS/ COMMUNITY EXCEPTIONS GARAGE 9'-0" CLG. NO LIVING SPACE ABOVE GARAGE COVERED PORCH BEDROOM 3 FIRST FLOOR PLAN SCALE : 1/8" = 1'-0"

COUNTERTOP

SECTION @ KITCHEN ISLAND KNEE WALL

12" O.H.
FOR
GRANITE OR
SOLID
SURFACE –
LAMINATE
O.H.
APPROX. 8"

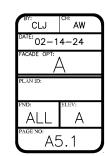
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FLOOR PLAN
FIRST FLOOR
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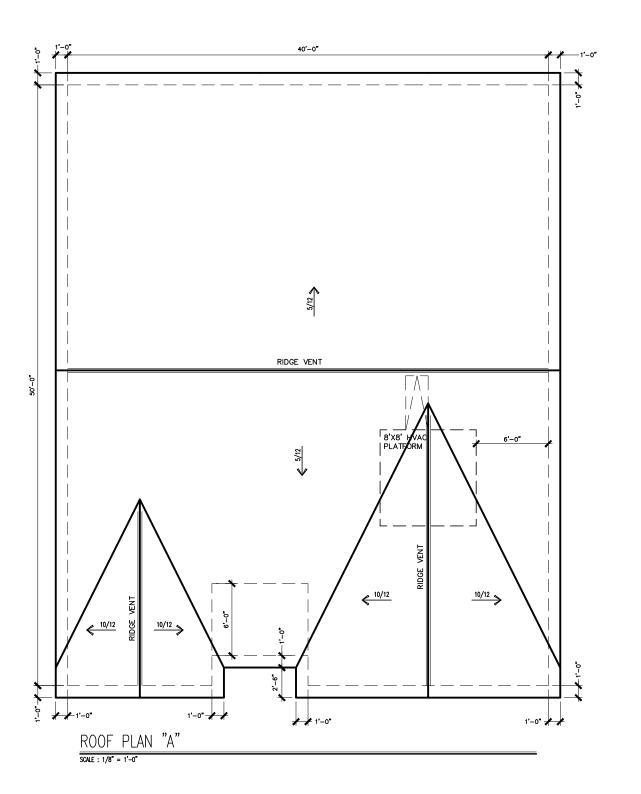


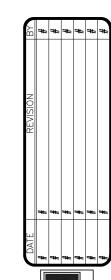
*RADON VENT PROVIDED

PER LOCAL CODE

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

DUNCANS CROSSING LOT 49



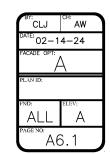




ROOF PLAN
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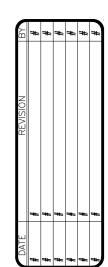
10X20 PATIO DINING W.I.C. FAMILY ROOM/ OWNER'S SUITE 220V GFCI FAN PREWIRE KITCHEN FOR A/C E LNDRY FLEX SPACE BEDROOM 2 EXT. FQYER GARAGE COVERED BEDROOM 3 PORCH FIRST FLOOR ELECTRICAL PLAN

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

DUNCANS CROSSING LOT 49

ELECTRICAL LEGEND				
\$	SWITCH		TV	
\$3	3 WAY SWITCH	ф	120V RECEPTACLE	
\$4	4 WAY SWITCH	•	120V SWITCHED RECEPTACLE	
Ø	CEILING FIXTURE	•	220V RECEPTACLE	
- ∳ _K	KEYLESS	P _{GFCI}	GFCI OUTLET	
+XX	WALL MOUNT FIXTURE	PAFCI	ARCH FAULT CIRCUIT INTERRUPTER	
0	CEILING FIXTURE	† _{GL}	GAS LINE	
•	FLEX CONDUIT	† _{wL}	WATER LINE	
СН	CHIMES	¥	HOSE BIBB	
PH	TELEPHONE	9	FLOOD LIGHT	
SD/Co	SMOKE DETECTOR & CARBON MONOXIDE		1x4 LUMINOUS FIXTURE	
SO	SECURITY OUTLET		OFILINO FAN	
	GARAGE DOOR OPENER		CEILING FAN	
	EXHAUST FAN		ELECTRICAL WIRING	
	FAN/LIGHT	-	CEILING FIXTURE	
ELEC-	ELECTRICAL PLANS TO FOLLOW ALL LOCAL CODES			
APPRO	APPROX. FIXTURE HGTS (MEASURED FROM BOTTOM OF FIXTURE)			
BREA	BREAKFAST/DINING ROOM		63" ABOVE FINISHED FLOOR	
KITCH	KITCHEN PENDANT LIGHTS		VE COUNTER TOP	
TWO	TWO STORY FOYER FIXTURE		96" ABOVE FINISHED FLOOR	
CEILIN	CEILING FAN		96" ABOVE FINISHED FLOOR	

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



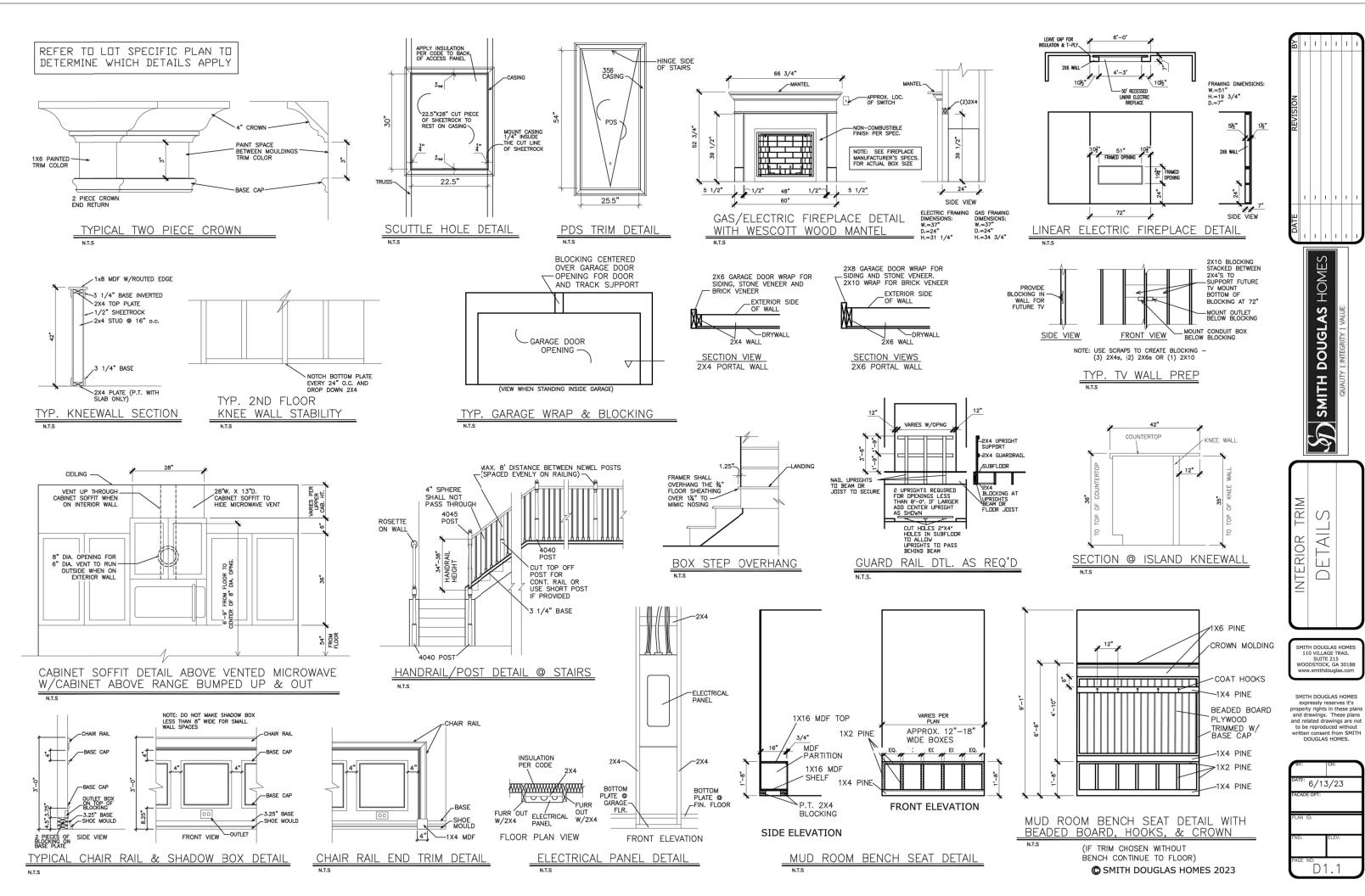
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ELECTRICAL PLAN FIRST FLOOR SMITH DOUGLAS HOMES 110 VILLAGE TRAIL SUITE 115 WOODSTOCK, GA 30188 www.smithdouglas.com

FLOOR

LANDEN





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

3"x0.l3l" NAIL5	3"x0.120" NAILS
(3) TOENAILS	(3) TOENAILS*
NAILS @ 4" o.c.	NAILS @ 4" o.c.
(4) TOENAILS/ (3)END NAILS	(4) TOENAILS/ (4)END NAILS*
TOENAILS @ 6" O.C.	TOENAILS @ 4" o.c.*
(3) TOENAILS EA. END	(3) TOENAILS EA. END*
NAILS @ 16" o.c.	NAILS ② 16" o.c.
NAILS @ 12" o.c.	NAILS @ 8" o.c.
	(15) NAILS IN LAPPED AREA
1-1 1009	(24" MIN.)
(3) NAILS	(3) NAILS
(4) TOENAILS +	(4) TOENAILS +
(I) SIMPSON H2.5T	(I) SIMPSON H2.5T
TOENAILS @ 8" o.c.	TOENAILS @ 6" o.c.
2xI0 BLK EVERY 3RD BAY	2xI0 BLK EVERY 3RD BAY
	FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 4" O.C.
	2xI2 BLK EVERY 3RD BAY
	FASTENED TO DBL. TOP PLATE
	w/ TOENAILS @ 4" O.C.
	LAP WALL SHTG. W/ DBL. TOP PL.
& INSTALL ON TRUSS VERT	& INSTALL ON TRUSS VERT
FASTEN w/ NAILS @ 6" O.C.	FASTEN w/ NAILS @ 6" O.C.*
LAP WALL SHTG, w/ DBL, TOP PL.	LAP WALL SHTG, w/ DBL, TOP PL.
& INSTALL ON TRUSS VERT	# INSTALL ON TRUSS VERT
FASTEN w/ NAILS @ 6" O.C.	FASTEN w/ NAILS @ 6" O.C.
	PROVIDE 2x BLK @ EA. BAY AT
TOP OF HEEL	TOP OF HEEL*
WALL SHTG. LAP W/ SILL PL. &	
I FASTENING SPEC.	
	(3) TOENAILS NAILS © 4" O.C. (4) TOENAILS O 6" O.C. (3) TOENAILS 9 6" O.C. (12) NAILS 10 IN LAPPED AREA (24" MIN) (3) NAILS (4) TOENAILS + (1) SIMPSON 1125T TOENAILS 9 6" O.C. 2X10 BILK EVERY 3RD BAY FASTENED TO DBL TOP PLATE W/TOENAILS 9 6" O.C. 2X2 BILK EVERY 3RD BAY FASTENED TO DBL TOP PLATE W/TOENAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 4 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 4 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 4 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 5 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 5 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 5 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 5 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 5 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 5 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C. LAP WALL SHTG, W/DBL TOP PL. 5 INSTALL ON TRUSS VERT FASTEN W/NAILS 9 6" O.C.

2½"x0.ii3 is an acceptable alternative to a 3"x0.i20", 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 M&K FOR REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.

TRUSSES/LIGISTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACEN PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUSI BEAMS DO NOT EXCEED THE FOLLOWING A. ROOF TRUSSES:

- I/4" DEAD LOAD
- ATTIC TRUSSES, & I-JOISTS: 1/8" DEAD LOAD

ABSOLUTE DEAD LOAD DEFECTION OF ATTIC TRUSSES WHEN AD IACENT TO ELOOR ERAMING 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"x/4"
	3 FT, MAX	L3"x3"x/4"
6'-0"	I2 FT. MAX	L4"x3"x/4"
	20 FT. MAX	L5"x3½"x5%"
8'-0"	3 FT, MAX	L4"x4"x½" *
0-0	I2 FT. MAX	L5"x3½"x5%"
	I6 FT. MAX	L6"x3½"x¾"
9'-6"	I2 FT. MAX	L6"x3½"x5%"

. LINIELS: AALL SUPPORT 2 %" - 3 ½" VENEER W 40 psf MAXIMU 5' SHALL HAVE 4" MIN. BEARING 5' SHALL HAVE 8" MIN. BEARING 5' SHALL NOT BE FASTENED BACK TO HEADER.

- 'SHALL BE FASTENED BACK TO MOOD HEADER IN WALL @48°O.C. w/ ½" DIA. x 3 ½" DIA SCREYS IN 2" LONG VERTICALLY SLOTTED HOLES X. VENEER H. APPLIES TO ANY PORTION OF BRICK OVER THE OPENINS.
- LL LINTELS SHALL BE LONG LEG VERTICAL. HEN SUPPORTING VENEER < 3" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 ¼" WIDE OVER THE BEARING LENGTH ONLY. THIS TO ALLOW FOR MORTAR JOINT FINISHING. TRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE
- TAKAMETERS. EN VENEER DEFT 4x3x½".

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, 12" MAX. FROM PLATE ENDS - UTILIZING
- I/2" DIA. ANCHOR BOLTS @ 6'-0" O.C.7" MIN. EMBEDMENT FA4 ANCHOR STRAPS @ 6'-0" O.C
- EASTEN 2xIO 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 ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:

3,500 psi: GARAGE & EXTERIOR SLABS ON GRADE = 60,000 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, SW, 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 WAI LS 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 7% AIR ENTRAINMENT.
- ALL FOOTINGS SHALL BEAR BELOW FROST LINE (TYP.) OR 12" MIN IN REGIONS WHERE CODE FROST DEPTH IS NOT APPLICABLE. CONSULT SOILS REPORT OR BUILDING DEPT. FOR MINIMUM DEPTH BELOW GRADE
- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL.
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
- . JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
- JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (I:I RATIO), WITH A MAXIMUM OF I:I.5 RATIO · CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL
- PICAL REINFORGEMENT 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 VERIEY

LEGEND

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

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

FJ. 🔪 INDICATES 14" DEEP FLOOR 1-JOISTS (24" O.C. MAX SPACING) LOIST 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 IO PSF DEAD LOAD AT THESE

- LOCATIONS INTERIOR BEARING WALL
- □□□□□ BEARING WALL ABOVE (B.W.A.)

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

_ATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM: OMPH WIND IN 2018 NGSBC:RO

\$ 120MPH WIND IN 2018 IRC (120 MPH WIND SPEED IN ASCE T WIND MAP PER IRC R301211) EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.

THE DESIGN WAS COMPLETED PER 2015 \$ 2018 IBO SECTION (609) & ASCE 7, AS PERMITTED BY R30113 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 UPLIET 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

- 7/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W/ 2 3 "x0.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 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. FDGE FASTENING.

NOTES

- SFF 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

NDICATES HOLDOWN

FLOOR FRAMING

- I- IDISTS 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 ½" x 0.131" NAILS @ 6"o.c. @ PANEL EDGES \$ @ 12"o.c. FIELD.
- 2 g × 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD - 2 3 × 0.113 NAILS @ 3 O.C. @ PANEL EDGES & @ 6 O.C. IN FIELD

ROOF FRAMING

- ROOF SHEATHING SHALL BE 1/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE I (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS
- w/ 2 1 x 0.131 NAILS @ 6"o.c. @ PANEL EDGES & @ 12" O.C. FIELD. - w/ 2 3" x 0.120" NAILS @ 4"a.c. @ PANEL EDGES & @ 8" O.C. FIELD. - W/2 🐉 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 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" x 0.120" NAILS @ 16" O.C. (UP TO 7' SPAN).

MEANS & METHODS NOTES

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

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 VERIF LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY CONTRACTUAL, INDUSTRY, OR WARRANTY TOLERANCES.

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 NGSBG-RESIDENTIAL CODE
- MOOD FRAME ENGINEERING IS BASED ON NDS. "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.

• DESIGN LOADS LIVE = 20 PSF DEAD = 7 PSF T.C., 10 PSF B.C ROOF

LOAD DURATION FACTOR = 1.25 FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) DEAD = 10 PSF (I-JOISTS)

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

2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

- CONNECTIONS TABLE (IRC TABLE R6023(I)) 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
- 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: (I)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=2.0xl0^6 psi
- 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 FOUAL 13/4" MAX, WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"XO.120" NAILS @ 8" O/C OR 2 ROWS IMP WS35 SCREWS (OR 3K" TRUSSLOK SCREWS) @ 16" O/C, USE A APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 ½" OR 5 ¼" BEAMS ARE ACCEPTABLE, USE 2 ROWS OF NAILS FOR 2x6 & 2x8
- FOR 4 PLY BEAMS OF FOUAL 13/11 MAX WIDTH FASTEN PLIES TOGETHER WITH 3 ROWS OF USP MG6 SCREWS (OR 6 3/4 TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER, APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE. A SOLID 7" BEAM IS ACCEPTABLE.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND./BEARING. BLOCKING TO MATCH POST ABOVE.
- ◆ 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 FINAL CONDITIONS AND SOURCED MATERIALS. CONTACT LUMBER & HARDWARE SUPPLIERS TO GOORD.
- ALL FASTENERS AND CONNECTORS EXPOSED TO SALT WATER (WITHIN 300' OF SALT WATER SHORELINE, INCLUDING VENTED SPACES) SHALL BE STAINLESS STEEL.

MULHERN+KUL
RESIDENTIAL STRUCTURAL ENGINEERI C-3825



Julhern+Kulp project numbe 256-21019

SMK roject maj M.JF ssue date: 02-03-22

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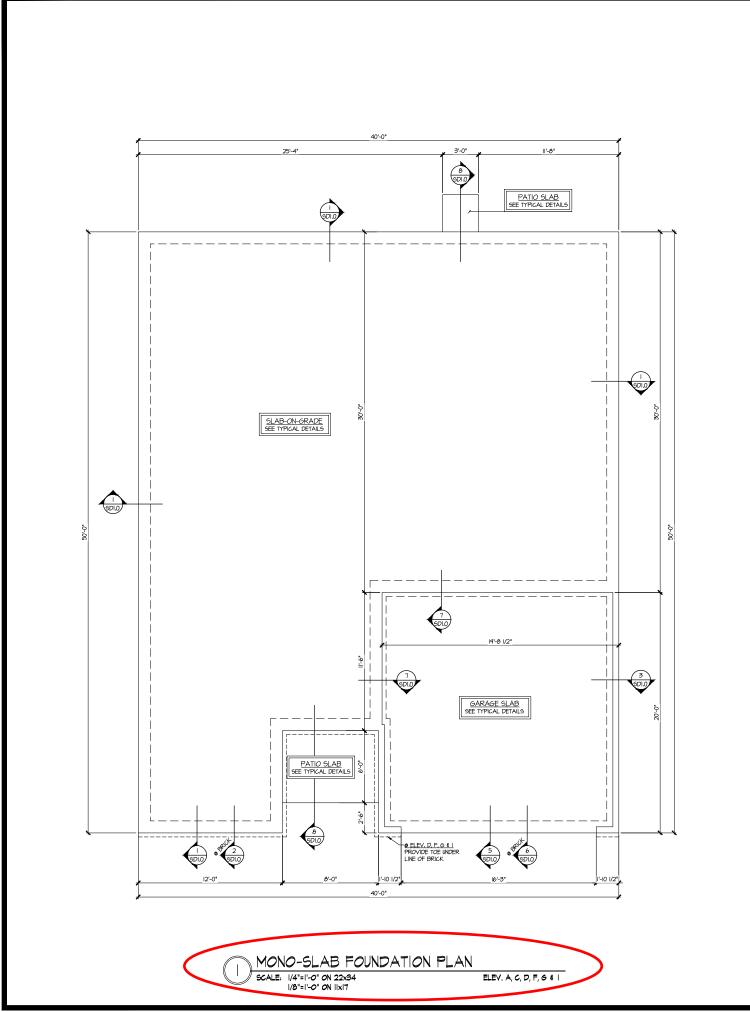
SMITH DOUGL HOMES

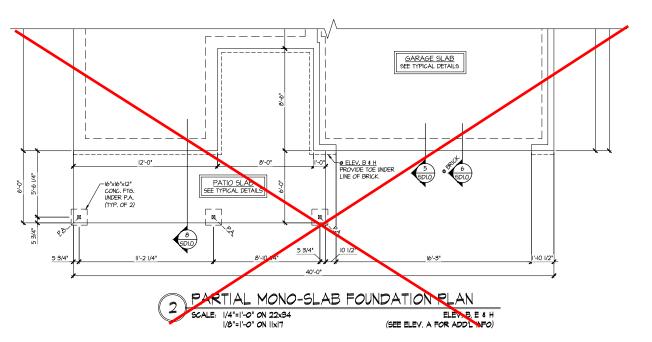
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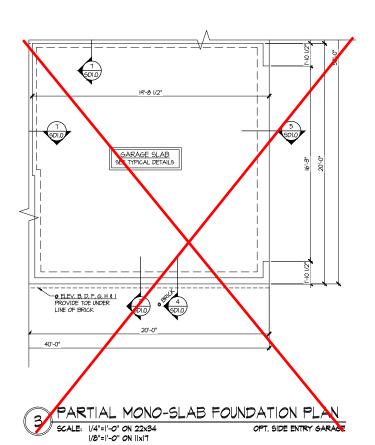
H WIND ZONE CAROLINA NDEN 120 MPH NORTH C \triangleleft

GENERAL

DUNCANS _ot 49







DUNCANS Lot 49

REFER TO SO.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

LEGEND

R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF, MANUF, (TYP. UNO.)

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

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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.

MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINERALS 1905 Broutside Perkway, Suite 1905 - Alpha 1979-777-4974 - manhankapasan NC License # C-3825



Mulhern+Kulp project number: 256-21019

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

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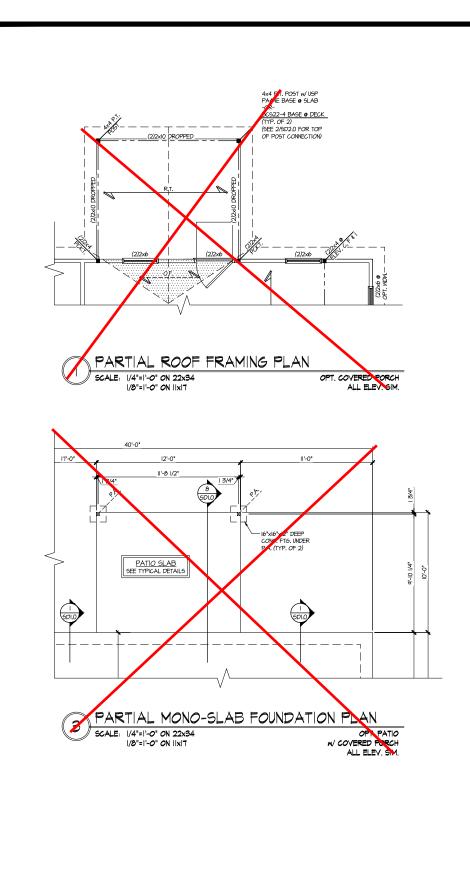
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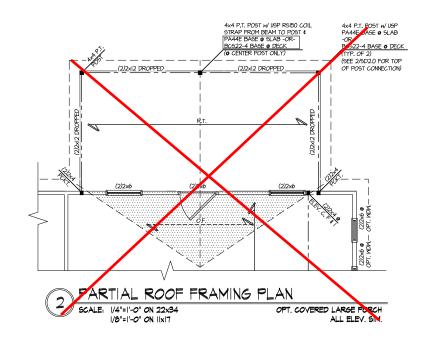
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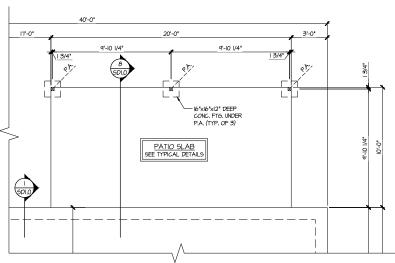
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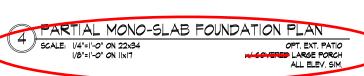
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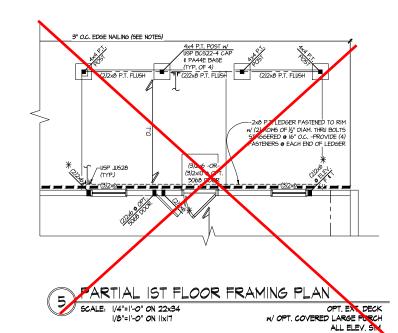
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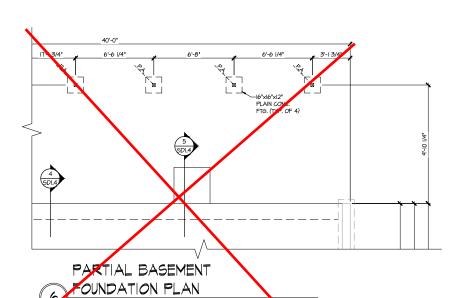












SCALE: 1/4"=1'-0" ON 22x34

DUNCANS

Lot 49

SUPERIOR MALL OPT. EXINDECK W/ COVERED LARGE PORCH ALL ELEV. SM. REFER TO SO.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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MULHERN + KULP

RESIDENTIAL STRUCTURAL ENGINEERING

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NC License # C-3825

Mulhern+Kulp project number 256-21019

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

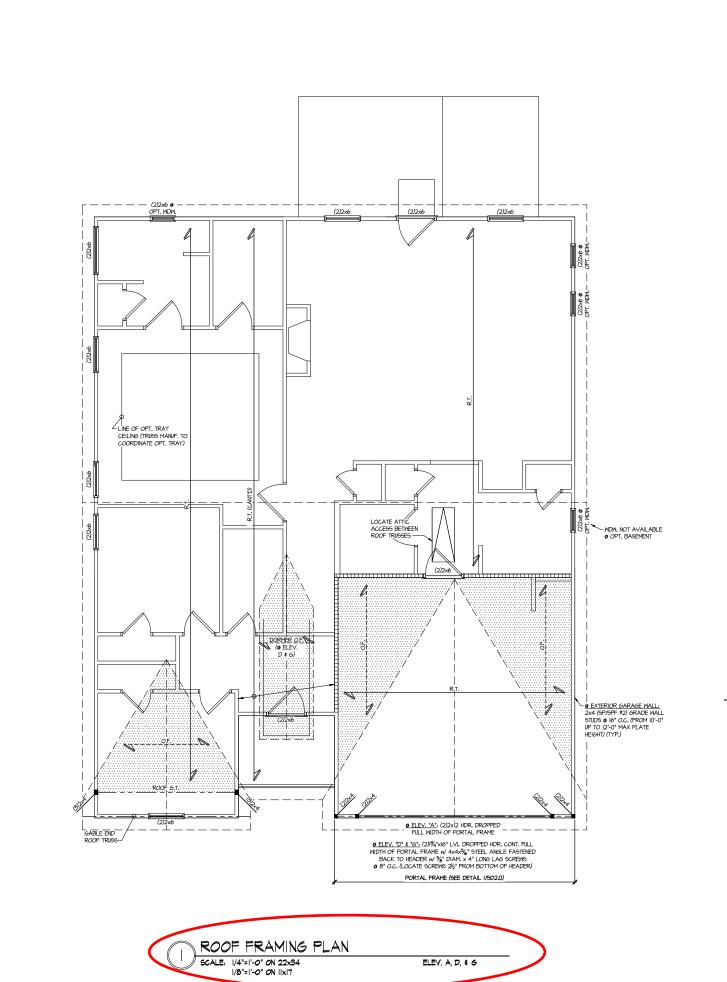
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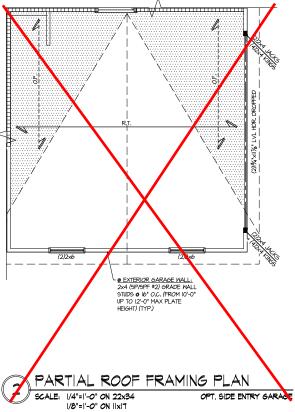
SMITH DOUGLAS HOMES

OPTIONS

MODE STRUCTURAL ANDEN

120 MPH WIND ZONE NORTH CAROLINA







REFER TO SO.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

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issue date: 02-03-22

Mulhern+Kulp project number

REVISIONS: initial:

256-21019

SMK MJF

5/31/23

MULHERN + KULP

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SESS BROOKIS-BENNAN, Subs 165 - Apharota, 8A, 30022

\$770-777-4074 - multimentajecent

NC License # C-3825

SMITH DOUGLAS HOMES

LANDEN MODEI FRAMING PLAN

120 MPH WIND ZONE NORTH CAROLINA

S3.0

ROOF

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

_ATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS

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

20MPH WIND IN 2018 NCSBC:RO

\$ 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 2016
NCSBC:RC \$ 2016 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

7/16" OSB OR 15/32" PLYWOOD: FASTEN SHEATHING W/ 2 🕏 "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 34" 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" x 0.113" NAILS @ 3" O.C. AND 12" O.C. IN THE PANEL FIELD NO STAPLE ALTERNATIVE AVAILABLE 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. FDGE 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

NDICATES HOLDOWN

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1905 Beautable Pathway, Suite 1905 • Alpha 1976-77-4974 • mathemisepeans NC License # C-3825

5/31/23

ulhern+Kulp project number

256-21019 SMK MJF

02-03-22

initial:

REVISIONS:

SMITH DOUGLAS HOMES

ssue date:

DUNCANS Lot 49

REFER TO 50.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

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• IIIIIII INTERIOR BEARING WALL

• ---- BEAM/HEADER

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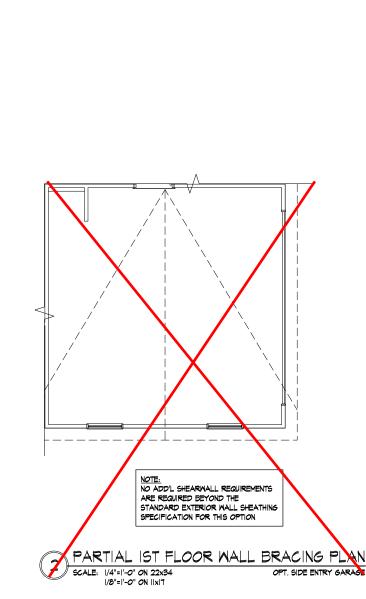
PLAN BRACING MODE WALL

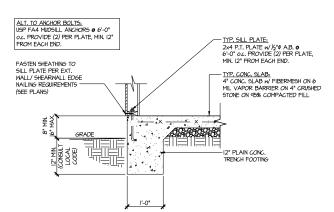
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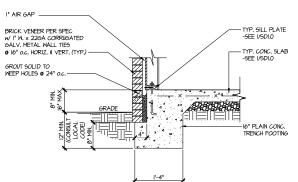
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120 MPH WIND ZONE NORTH CAROLINA NDEN \triangleleft

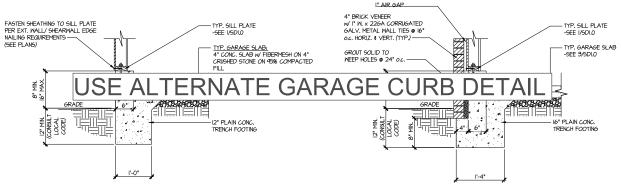






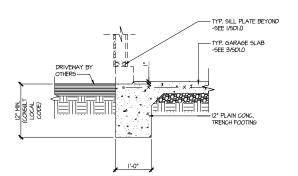


TYPICAL SLAB ON GRADE 2 PERIMETER FOOTING W BRICK VENEER

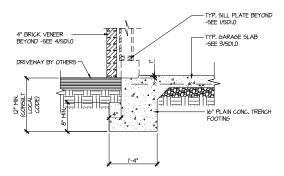


TYPICAL SLAB ON GRADE GARAGE 3 PERIMETER FOOTING

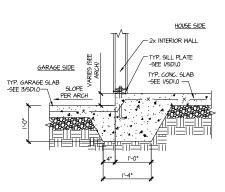




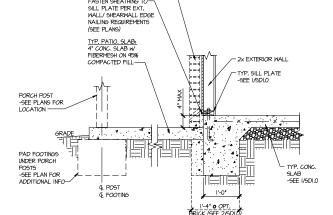
TYPICAL SLAB ON GRADE GARAGE (5) ENTRY @ PERIMETER FOOTING



TYPICAL SLAB ON GRADE GARAGE 6 ENTRY @ PERIMETER FOOTING

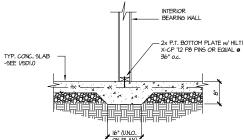


TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING

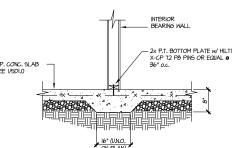


OPT. BRICK (SEE ARCH FOR LOCATIONS)

TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO



TYPICAL THICKENED SLAB @ 9 INTERIOR BEARING WALL



DUNCANS Lot 49

5/31/23

MULHERN+KULP
RESIDENTIAL STREETURAL ENGINEERINS License # C-3825



Aulhern+Kulp project number: 256-21019 SMK drawn by: MJF issue date: 02-03-22 REVISIONS: initial:

SMITH DOUGLAS HOMES

MODE H WIND ZONE CAROLINA FOUNDATION DETAILS ANDEN 120 MPH V

SD1.0



MULHERN+KULP RESIDENTIAL

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

August 18, 2023

Jody Hunt

Director of Product Development

SMITH DOUGLAS HOMES

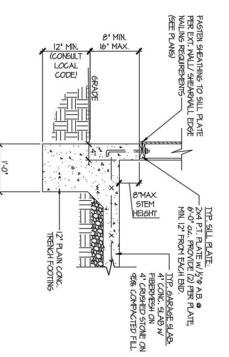
110 Village Trail, Suite 215 Woodstock, GA 30188

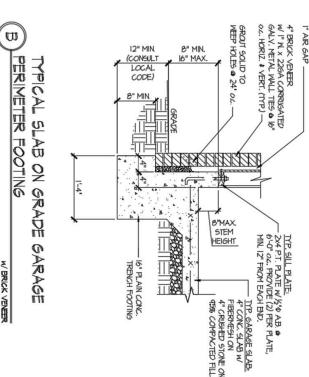
ALTERNATE GARAGE CURB DETAIL

Smith Douglas Homes

Current Structural Plans prepared by Mulhern & Kulp

Smith Douglas Homes shown below. The foundation details shown below call for a 4" wide curb with a maximum of 8" stem wall height; these are an acceptable alternative to the 6" wide curb at the garage per M&K foundation details 3 & 4 on sheet SD-1.0 at 2x4 garage wall locations. Pursuant to your request, we have prepared this letter to address the "Alternate Garage Curb Details", prepared by Mulhern & Kulp for





PERIMETER FOOTING

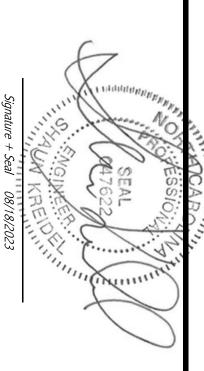
TYPICAL SLAB ON GRADE GARAGE

Please feel free to call if you have any questions

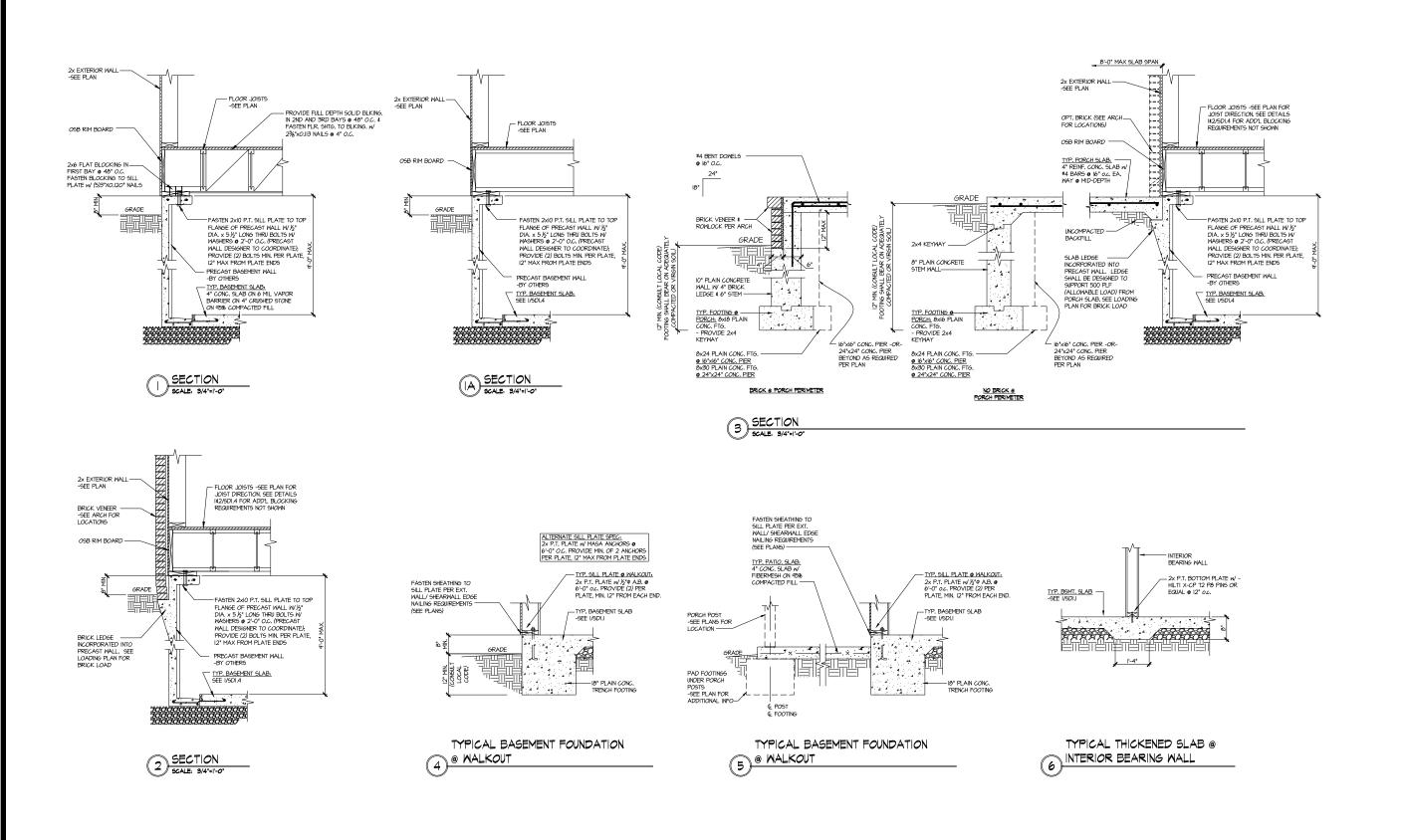
MULHERN & KULP STRUCTURAL ENGINEERING, INC.

NC License # C-3825

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



P:|Client Files|256 - Smith Douglas Homes|2023|23000 - 2023 Client Admin|2023-08-17 - 4in Garage Curb Letter|Alternate Garage Curb Detail - Letter - NC.docx



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Mulhern+Kulp project number: 256-21019

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

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SMITH DOUGLAS HOMES

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FOUNDATION DETAILS
LANDEN MODEL

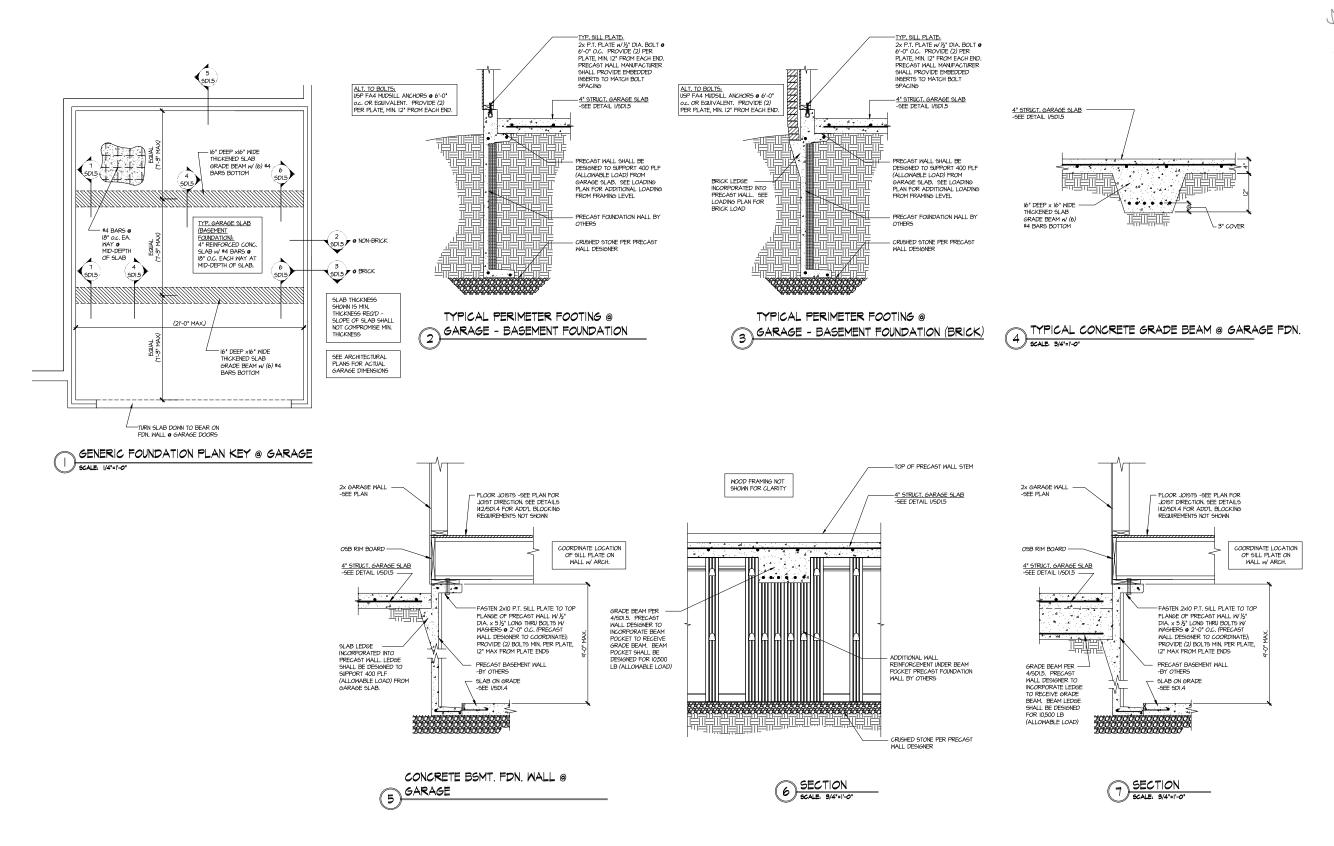
120 MPH WIND ZONE NORTH CAROLINA

sheet:

DUNCANS

Lot 49

SD1.4



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MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINERING

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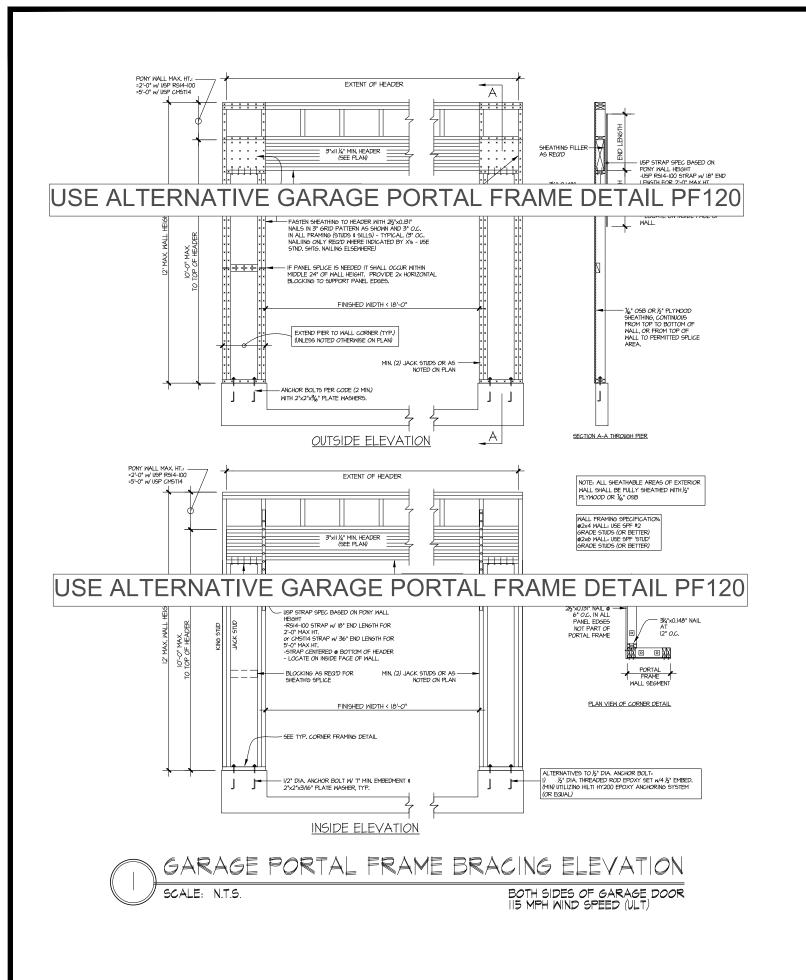
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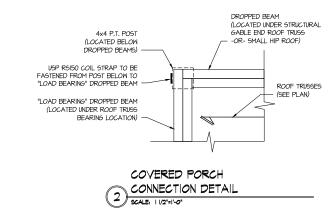
FOUNDATION DETAILS 120 MPH WIND ZONE NORTH CAROLINA ANDEN

DUNCANS

Lot 49

SD₁





5/31/23

MULHERN+KULP RESIDENTIAL STRUCTURAL ENGINEERING 1905 Bredicide Between Softe 1905 - Alpha 1979-77-1974 - medhanicapeans NC License # C-3825



Mulhern+Kulp project number 256-21019

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

REVISIONS:

initial:

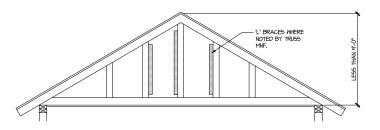
SMITH DOUGLAS HOMES

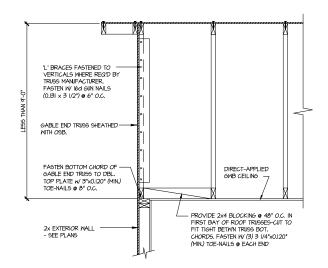
120 MPH WIND ZONE NORTH CAROLINA

LANDEN MODEI FRAMING DETAILS

DUNCANS Lot 49

SD2.0





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

TYPICAL GABLE END BRACING DETAIL SCALE: NONE REQUIRE FROM TRUSS

REQ'D & GABLE END TRUSS HEIGHT UP TO 9'-0"

- 2x4 VERT. - FASTEN W (4) 3"x0.120" (MIN.) TO EACH GABLE TRUSS VERTICAL \
2x4 BLOCKING w/ (4)
3"x0.120" (MIN.) TOE-NAIL5
EACH END ● EACH
DIAGONAL BRACE 2x4 HORIZ. - FASTEN W 3 1/4"x0.120" (MIN.) & 8" O.C. TO 2x6 VERTICAL -2 3/8"x0.II3" NAIL5 @ 2x6 DIAG. BRACE (W 2x4
T-BRACE IF LENGTH EXCEEDS 6);
SPACED • 4-0" to 2. MAX. FASTEN
2x4 TO 2x6 W 3*X0120" (MIN)
NAILS • 8" O.C.

YELL YOUR STREET OF THE ST -(4) 3"x0.120 STRONG-BA (MIN. 4'-6") (MIN.) TOENAILS GABLE END TRUSS SHEATHED WITH OSB. FASTEN BOTTOM CHORD OF — GABLE END TRUSS TO DBL. TOP PLATE w/ 3"x0.120" (MIN.) TOE-NAILS & 8" O.C. 2x EXTERIOR WALL -SEE PLANS FOR SPECIFICATIONS TYPICAL GABLE END BRACING DETAIL SCALE, NONE REQUE 6 64BLE END TRUSS

- STRONG-BACK @ MID-HEIGHT FOR DIAG. BRACES

REQ'D & GABLE END TRUSS HEIGHT BETW'N 9'-0" TO 14'-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.

5/31/23

MULHERN + KULP

RESIDENTIAL STRUCTURAL ENSINEERING

STS Desicial Parkway, Sup. 165 - Aphrona, 8A, 3022

\$776-777-474 + mathematicans

NC License # C-3825

Mulhern+Kulp project number 256-21019

SMK project mgr: MJF issue date: 02-03-22

> REVISIONS: initial:

> > SMITH DOUGLAS HOMES

LANDEN MODEI 120 MPH WIND ZONE NORTH CAROLINA FRAMING DETAILS

SD2.

DUNCANS Lot 49





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

July 28, 2023

Jody 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

odv:

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

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. or equal to 130mph ultimate wind speed per ASCE 7-16. These details only apply to structural plans that have been designed by 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

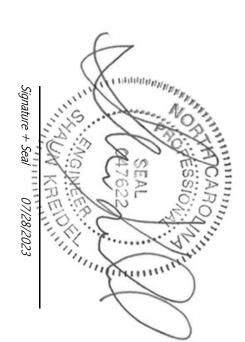
Please feel free to call if you have any questions.

Respectfully,

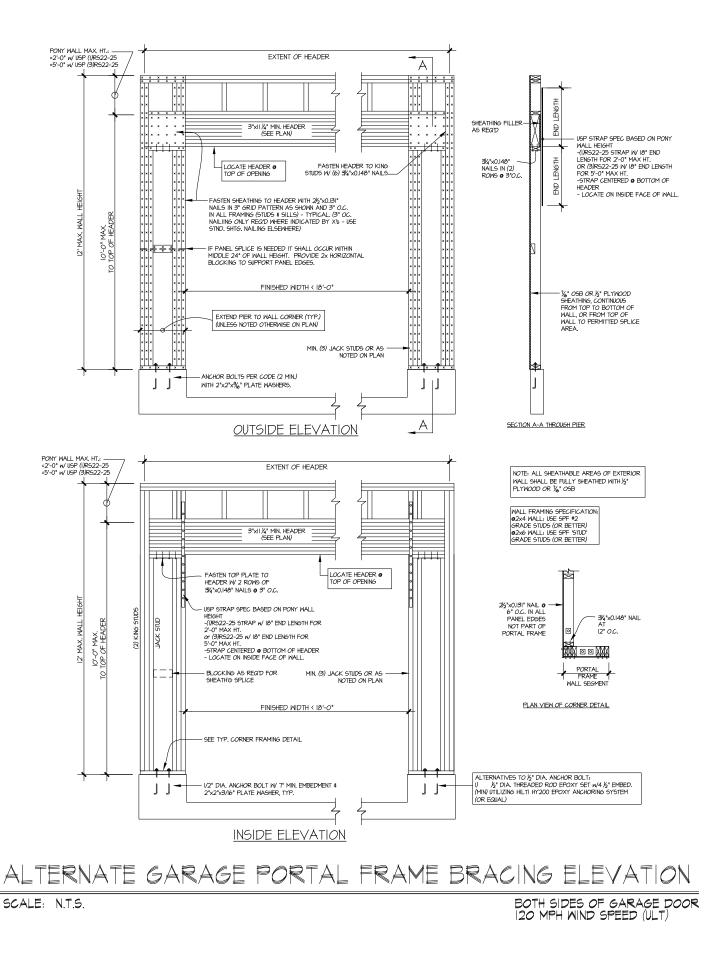
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Shaun M. Kreidel, P.E. Project Manager + Atlanta Office Director



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



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Structural Engineering, Inc.

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Mulhern+Kulp project number:

project mgr: SMK drawn by: RAP issue date: 07.28.2023

REVISIONS:
date: initial:

SLAS

SMITH DOUGLAS HOMES

Alternate Portal Frame PORTAL FRAME

sheet:

DUNCANS

Lot 49

PF-120

