

# McGINNIS

TOBACCO ROAD  
LOT 0172

PLAN ID 070121



**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 FOUNDATIONS
A5.1	FIRST FLOOR PLANS
A5.2	SECOND FLOOR PLANS
A6.1	ROOF PLANS
A7.2-A7.3	ELECTRICAL PLANS
A8.1	TRIM LOCATION LAYOUT

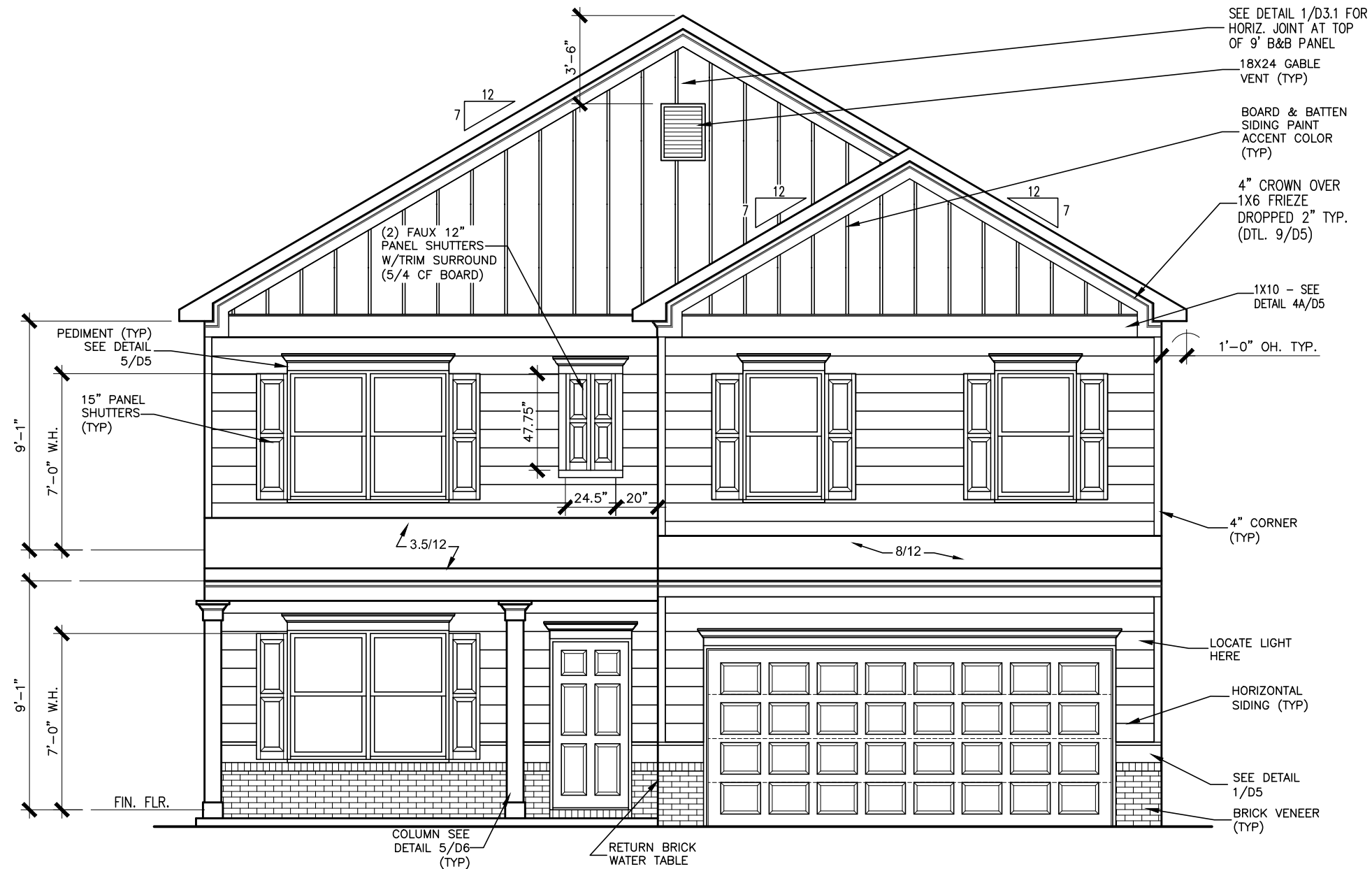
AREA TABULATION	
FIRST FLOOR	1001
SECOND FLOOR	1371
TOTAL	2372
GARAGE	410
FRONT PORCH (COVERED) B&C MASSINGS	108
REAR PATIO (COVERED)	120
REAR PATIO EXT	80

PLAN REVISIONS			
DATE	BY	REVISION	PAGE #
2/23/2021	MM	PROTOTYPE WALK CHANGES - SEE REVISION SHT	ALL
4/7/2021	AW	Added elevations J & K	A1.10, A1.11
7/1/2021	AW	2ND Prototype walk changs - see revision sheet	A2.1-A2.3, A5.1-A5.3, A7.2-A7.3
9/2/2021	BB	ADDED FOURTH TURTLE BACK VENT TO C MASSING REAR ELEVATION	A2-3, A6.3
2/1/2022	AW	Added LED light in Laundry hall on same switch as Loft lights	A7.3

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

# TOBACCO ROAD LOT 0172



FRONT ELEVATION "B"

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

ALL NON-MASONRY RETURNS TO BE HORIZONTAL SIDING

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

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



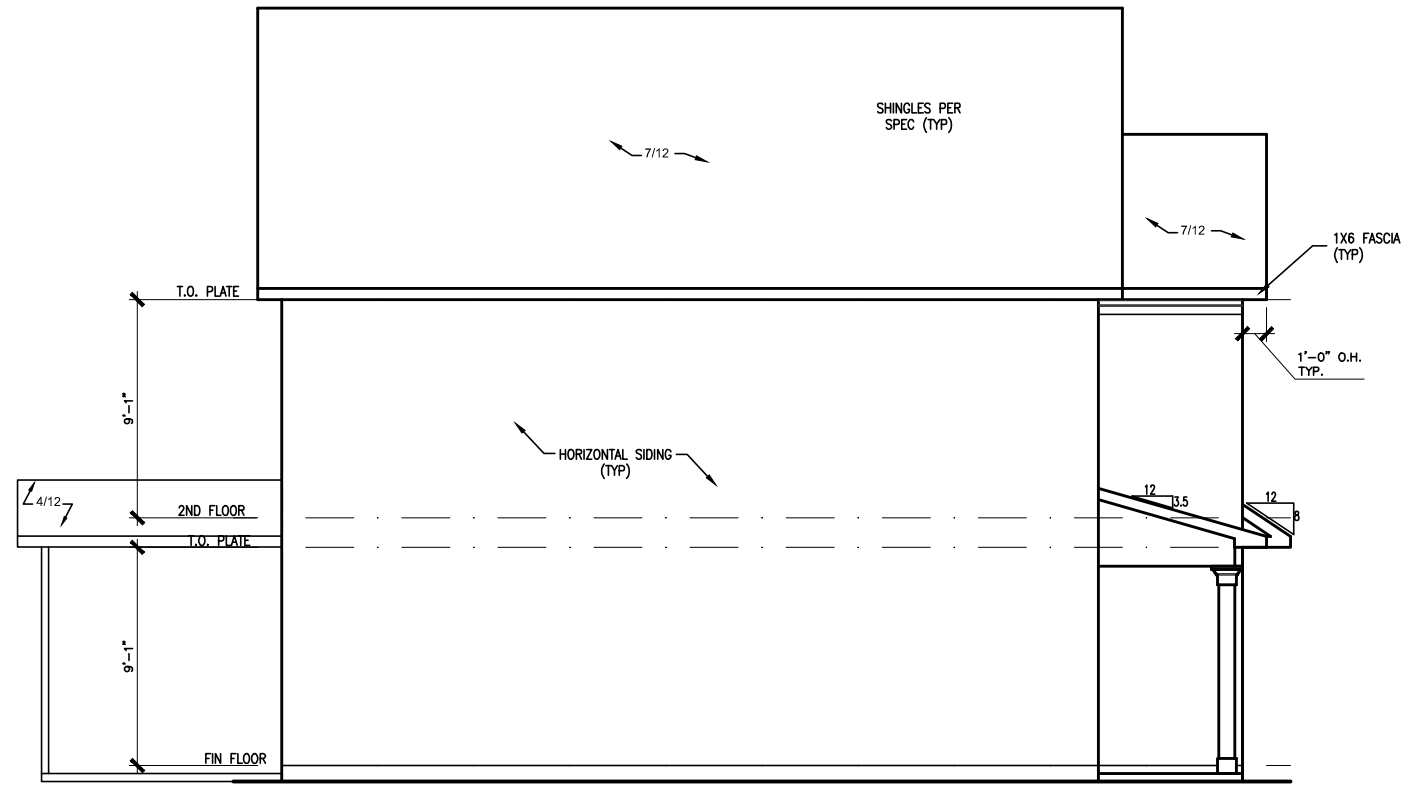
ELEVATIONS  
FRONT ELEVATION  
MCGINNIS

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

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

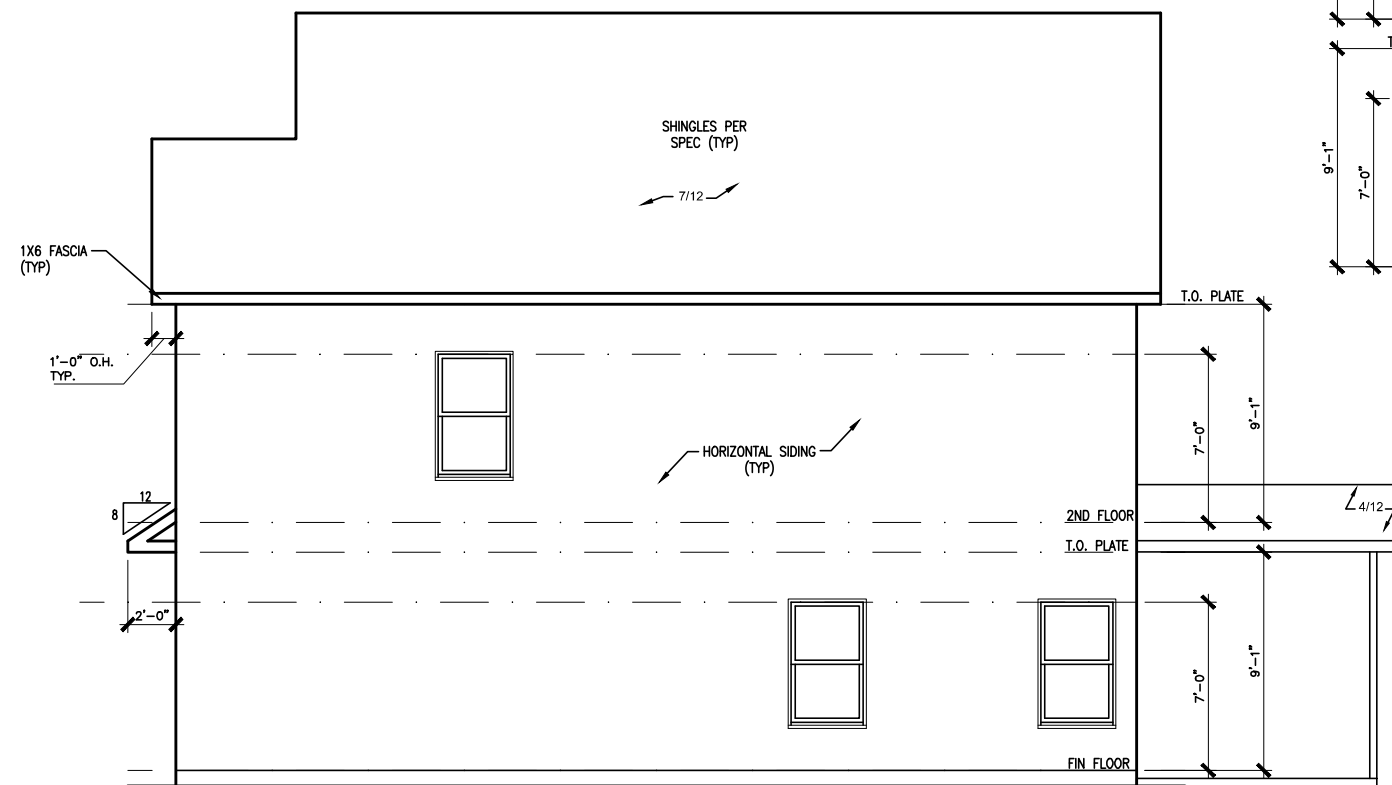
BY: TJJ	CH: AW
DATE: 06/19/2024	
FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A1.1	

# TOBACCO ROAD LOT 0172



LEFT ELEVATION "B"

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



RIGHT ELEVATION "B"

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



REAR ELEVATION "B"

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

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

**SMITH DOUGLAS HOMES**  
QUALITY | INTEGRITY | VALUE

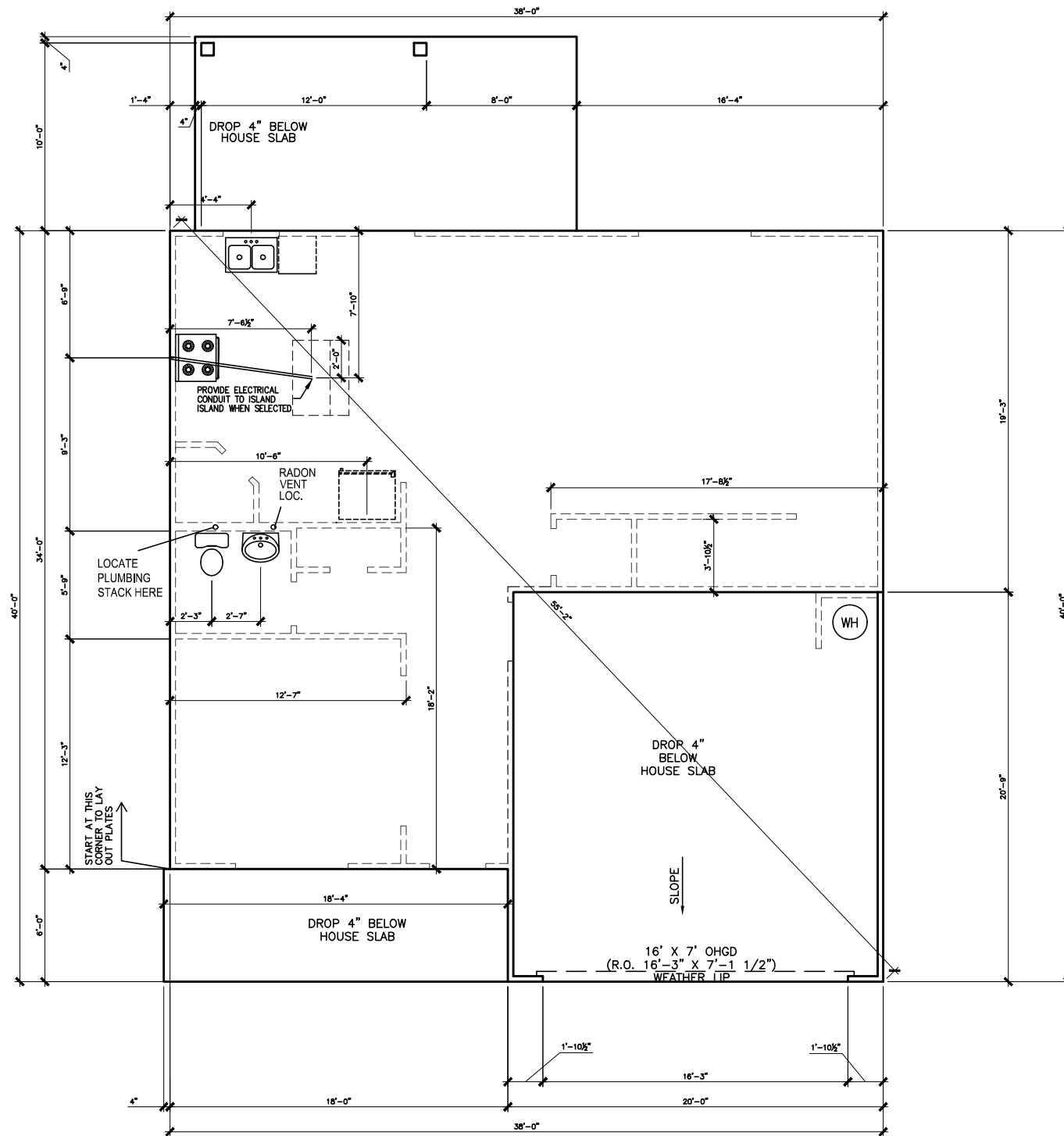
ELEVATIONS  
SIDES AND REAR  
MCGINNIS

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

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

BY: TJJ	CH: AW
DATE: 06/19/2024	
FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A2.1	

# TOBACCO ROAD LOT 0172



\*RADON VENT PROVIDED  
PER LOCAL CODE

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

SLAB PLAN

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

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



FOUNDATION PLAN  
SLAB PLAN  
MCGINNIS

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

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

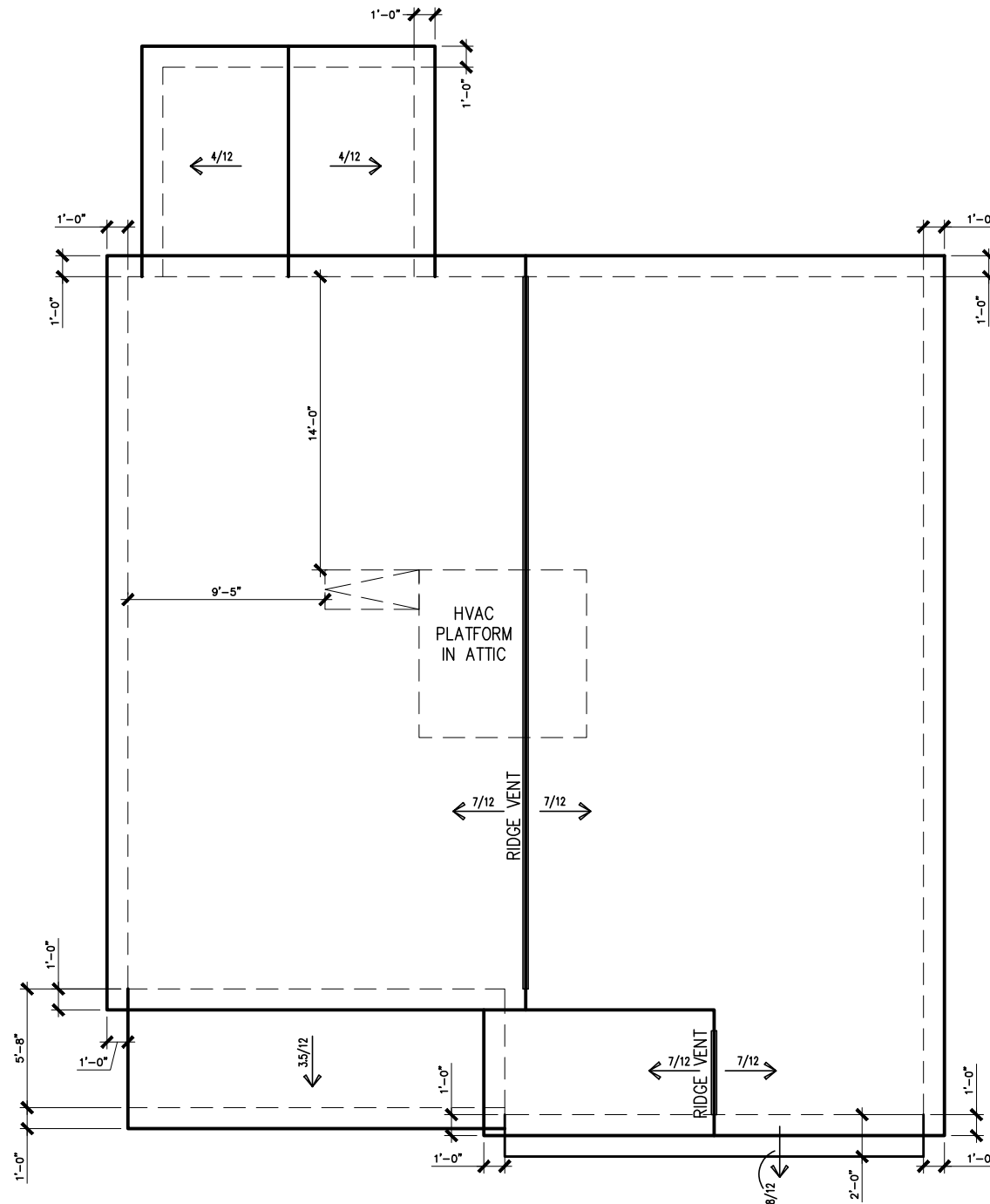
BY: TJJ	CH: AW
DATE: 06/19/2024	
FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A3.1	







# TOBACCO ROAD LOT 0172



ROOF PLAN "B"

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

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



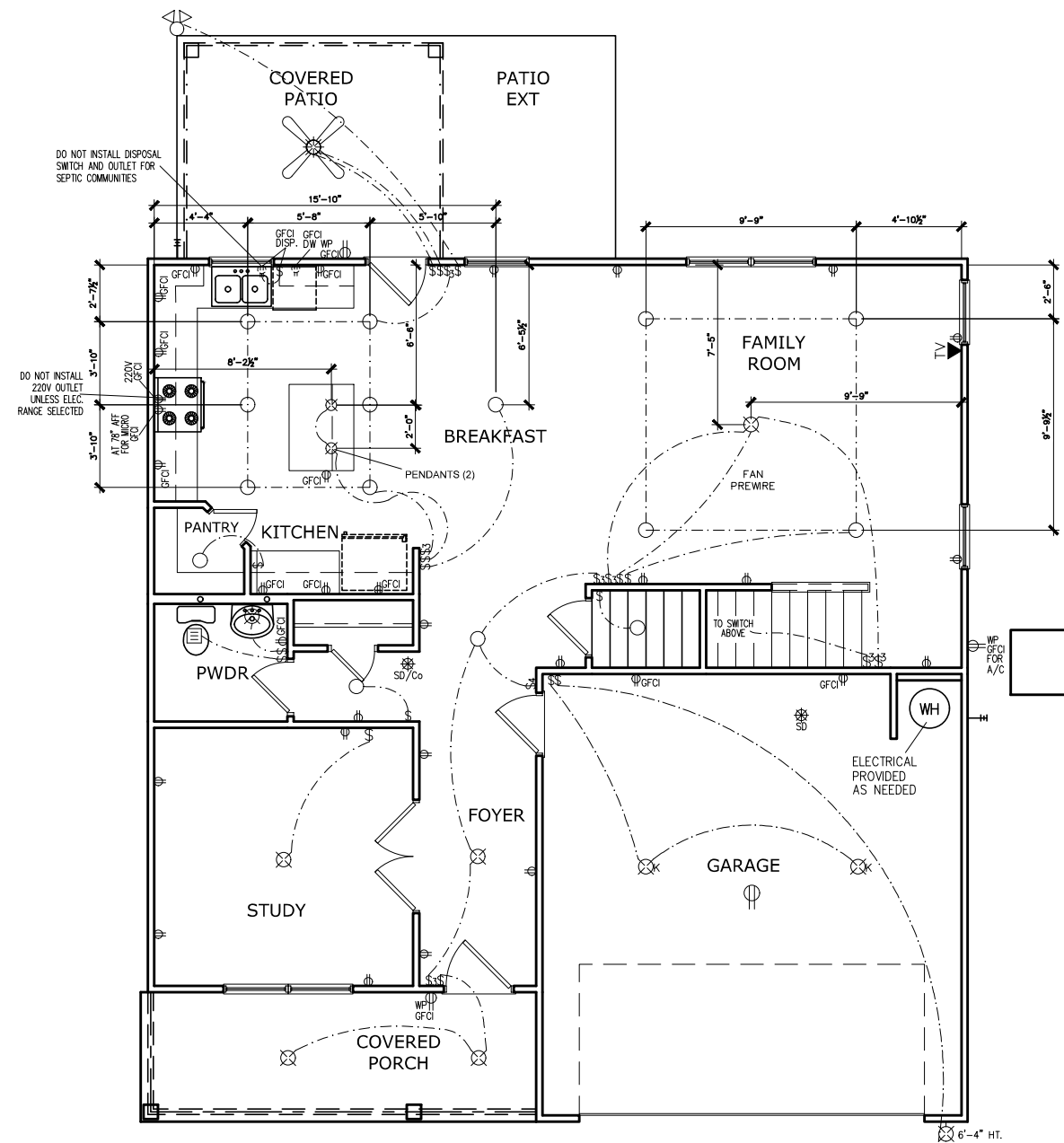
ROOF PLAN  
ROOF PLAN  
MCGINNIS

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

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

BY: TJJ	CH: AW
DATE: 06/19/2024	
FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A6.1	

# TOBACCO ROAD LOT 0172



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	GFCI OUTLET
⊕	WALL MOUNT FIXTURE	⊕AFCI	ARCH FAULT CIRCUIT INTERRUPTER
○	CEILING FIXTURE	†GL	GAS LINE
●	FLEX CONDUIT	†WL	WATER LINE
CH	CHIMES	↓	HOSE BIBB
PH	TELEPHONE	⊕	FLOOD LIGHT
SD/Cc	SMOKE DETECTOR & CARBON MONOXIDE	⊕	1x4 LUMINOUS FIXTURE
SO	SECURITY OUTLET	⊕	CEILING FAN
□	GARAGE DOOR OPENER	—	ELECTRICAL WIRING
⊕	EXHAUST FAN	⊕	CEILING FIXTURE
⊕	FAN/LIGHT		

ELECTRICAL PLANS TO FOLLOW ALL LOCAL CODES

APPROX. FIXTURE HGTS (MEASURED FROM BOTTOM OF FIXTURE)

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

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

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

**SMITH DOUGLAS HOMES**  
QUALITY | INTEGRITY | VALUE

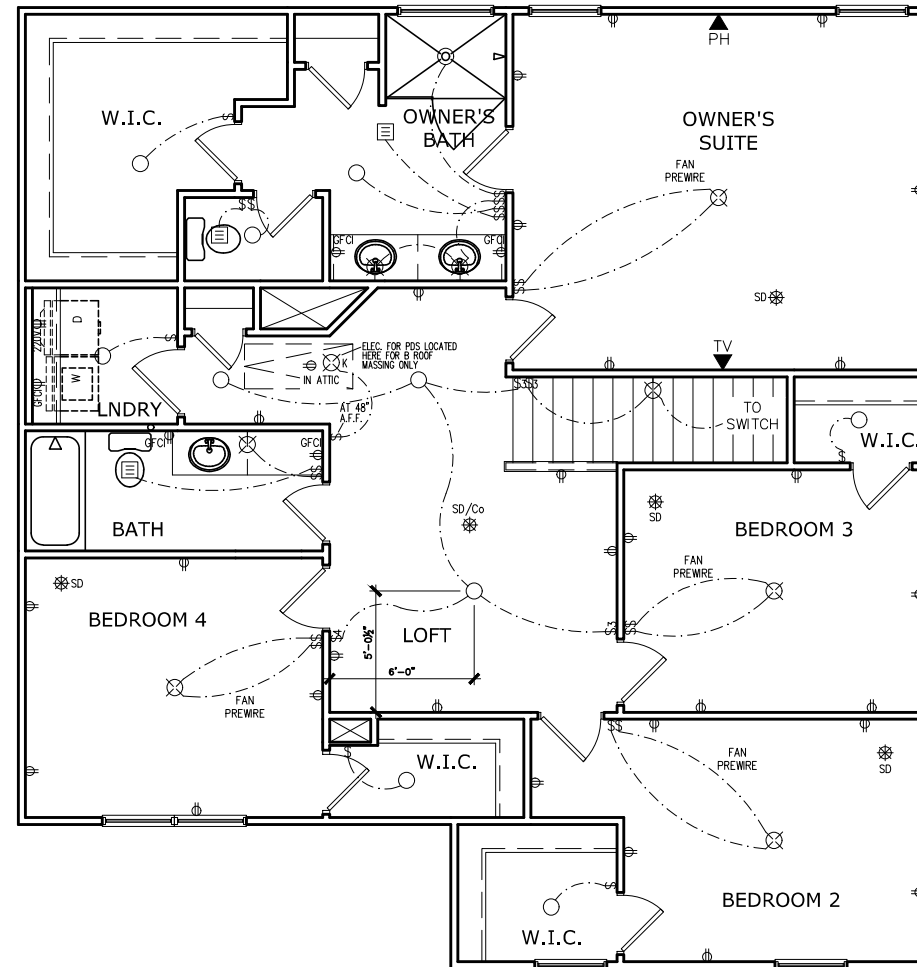
ELECTRICAL PLAN  
FIRST FLOOR  
MCGINNIS

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

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

BY:	TJJ	CH:	AW
DATE:	06/19/2024		
FACADE OPT:	B		
PLAN ID:			
FND:	ALL	ELEV:	B
PAGE NO:	A7.2		

# TOBACCO ROAD LOT 0172



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	—	ELECTRICAL WIRING
⊕	EXHAUST FAN	⊕	CEILING FIXTURE
⊕	FAN/LIGHT		

ELECTRICAL PLANS TO FOLLOW ALL LOCAL CODES

APPROX. FIXTURE HGTS (MEASURED FROM BOTTOM OF FIXTURE)

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

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

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



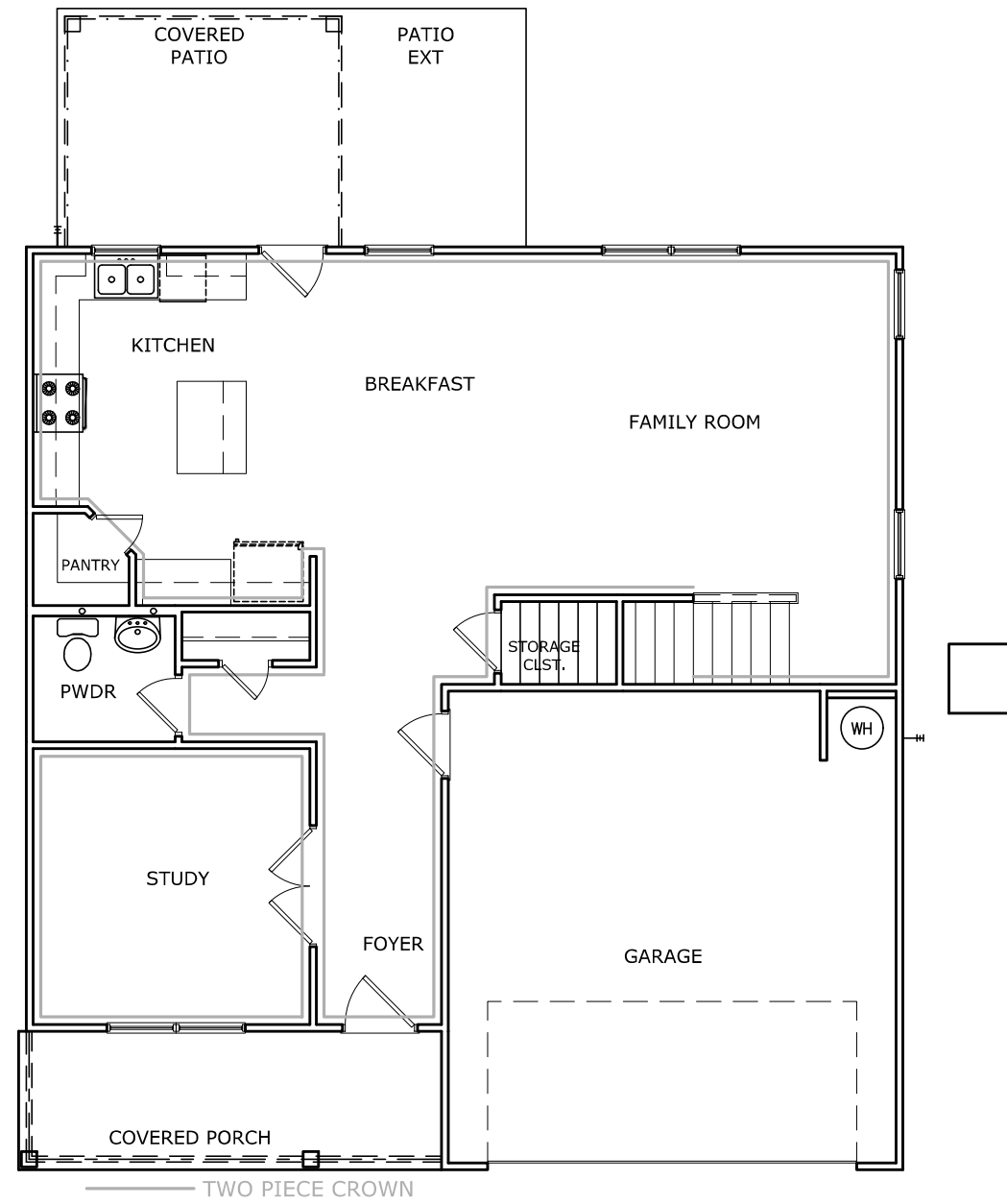
ELECTRICAL PLAN  
SECOND FLOOR  
MCGINNIS

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

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

BY: TJJ	CH: AW
DATE: 06/19/2024	
FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A7.3	

# TOBACCO ROAD LOT 0172



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



FLOOR PLAN  
TRIM LAYOUT  
MCGINNIS

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

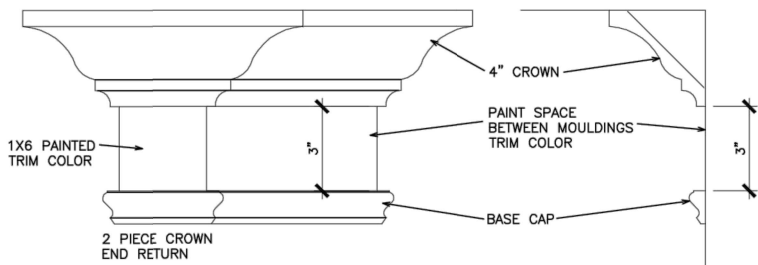
SMITH DOUGLAS HOMES expressly reserves its property rights in these plans and drawings. These plans and related drawings are not to be reproduced without written consent from SMITH DOUGLAS HOMES.

BY: TJJ	CH: AW
DATE: 06/19/2024	
FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A8.1	

TRIM LAYOUT FIRST FLOOR PLAN

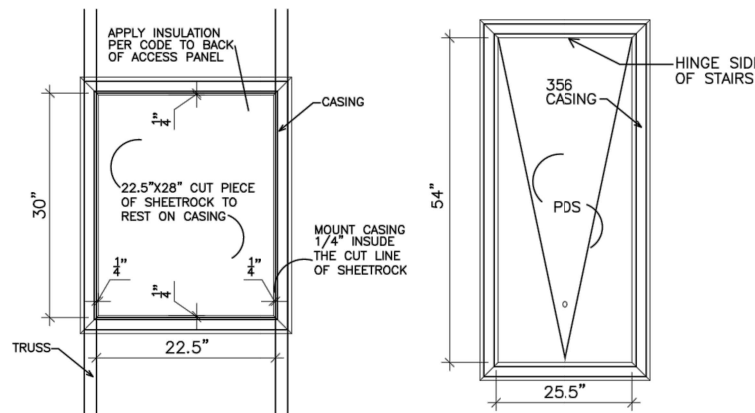
SCALE : 1/8" = 1'-0"

REFER TO LOT SPECIFIC PLAN TO DETERMINE WHICH DETAILS APPLY



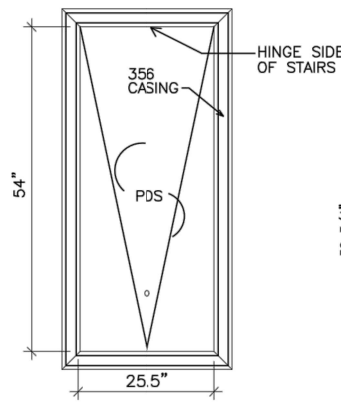
TYPICAL TWO PIECE CROWN

N.T.S.



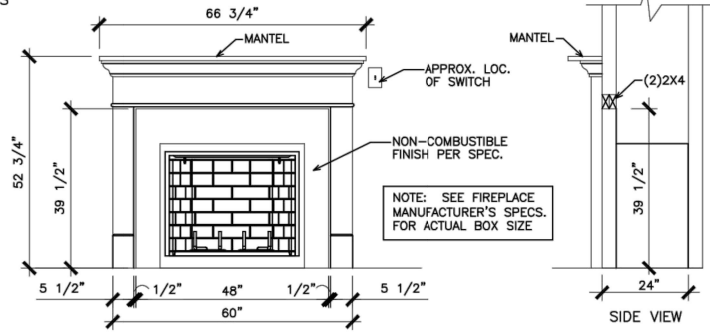
SCUTTLE HOLE DETAIL

N.T.S.



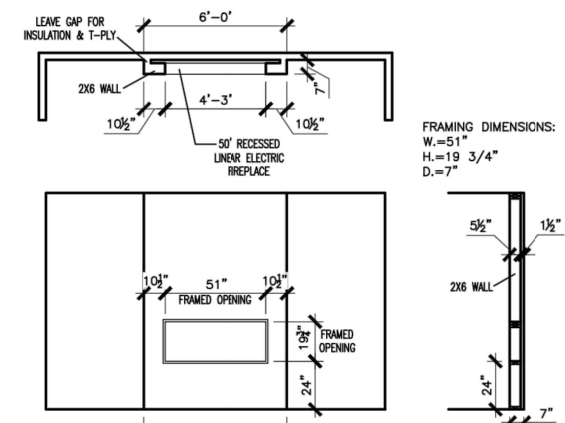
PDS TRIM DETAIL

N.T.S.



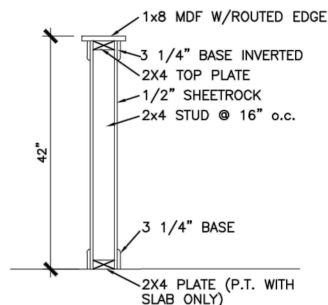
GAS/ELECTRIC FIREPLACE DETAIL WITH WESCOTT WOOD MANTEL

N.T.S.



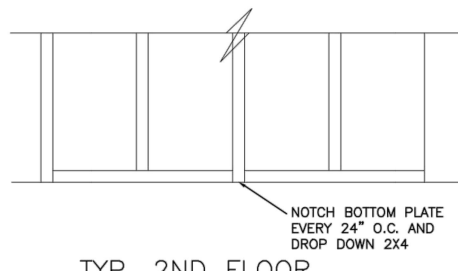
LINEAR ELECTRIC FIREPLACE DETAIL

N.T.S.



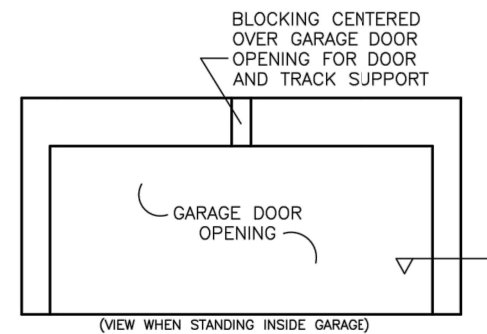
TYP. KNEEWALL SECTION

N.T.S.



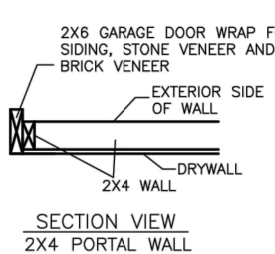
TYP. 2ND FLOOR KNEE WALL STABILITY

N.T.S.



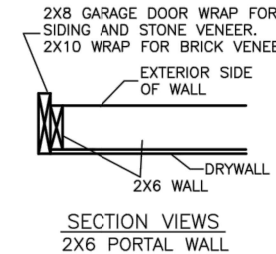
TYP. GARAGE WRAP & BLOCKING

N.T.S.



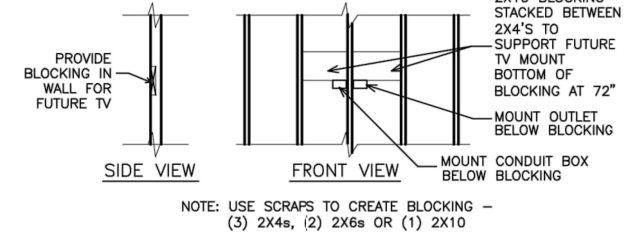
SECTION VIEW 2X4 PORTAL WALL

N.T.S.



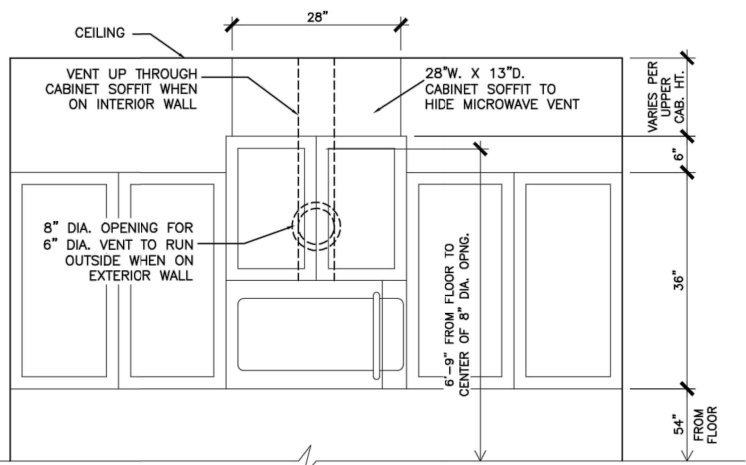
SECTION VIEWS 2X6 PORTAL WALL

N.T.S.



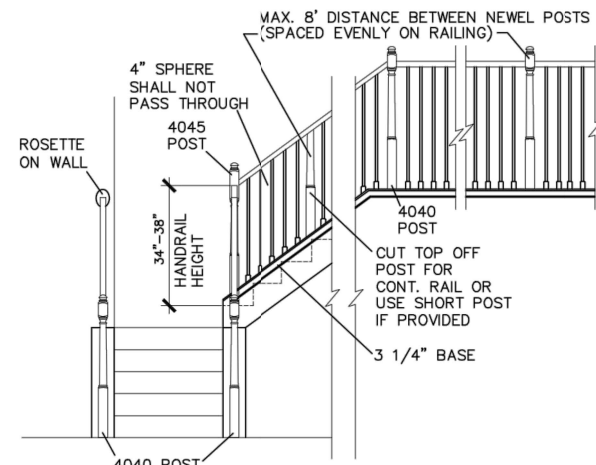
TYP. TV WALL PREP

N.T.S.



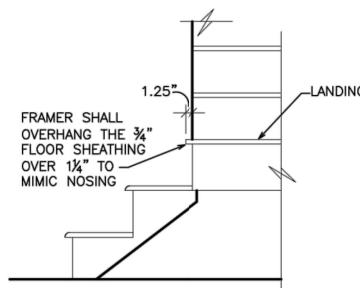
CABINET SOFFIT DETAIL ABOVE VENTED MICROWAVE W/CABINET ABOVE RANGE BUMPED UP & OUT

N.T.S.



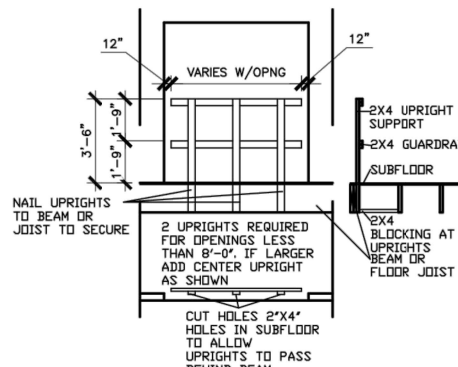
HANDRAIL/POST DETAIL @ STAIRS

N.T.S.



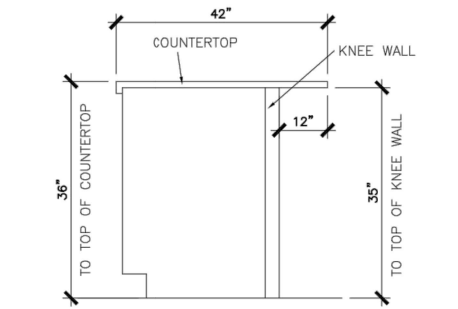
BOX STEP OVERHANG

N.T.S.



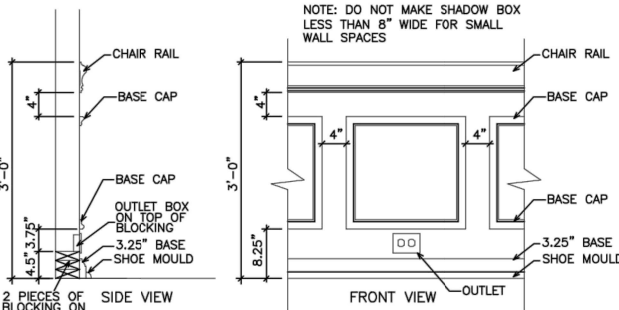
GUARD RAIL DTL. AS REQ'D

N.T.S.



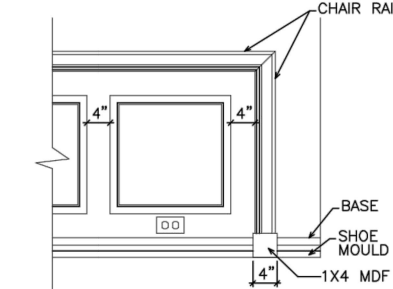
SECTION @ ISLAND KNEEWALL

N.T.S.



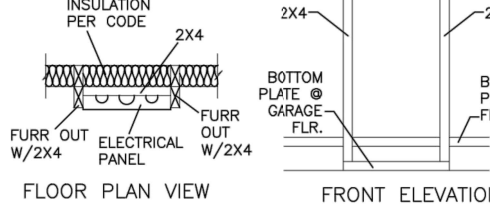
TYPICAL CHAIR RAIL & SHADOW BOX DETAIL

N.T.S.



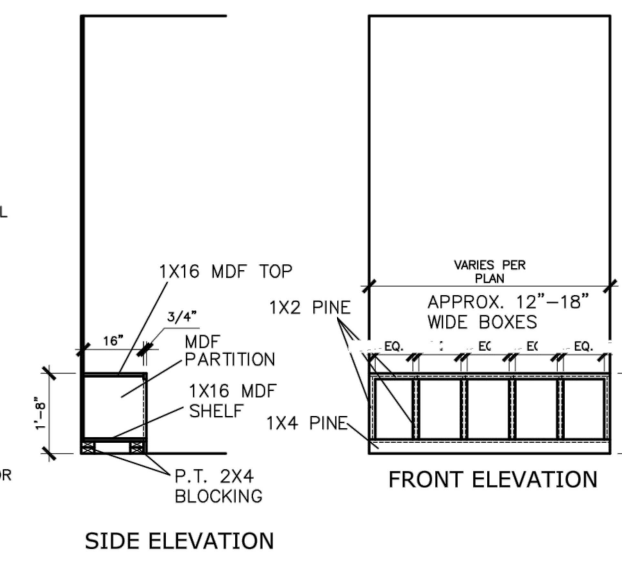
CHAIR RAIL END TRIM DETAIL

N.T.S.



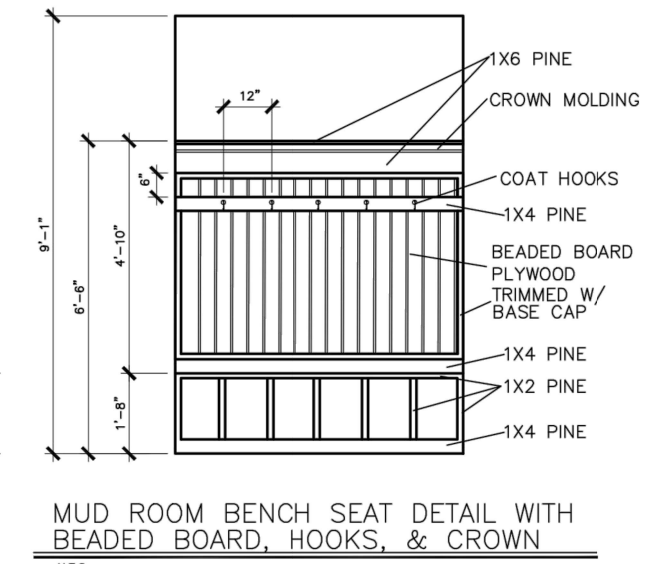
ELECTRICAL PANEL DETAIL

N.T.S.



MUD ROOM BENCH SEAT DETAIL

N.T.S.



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

N.T.S.

(IF TRIM CHOSEN WITHOUT BENCH CONTINUE TO FLOOR)

© SMITH DOUGLAS HOMES 2023

BY	REVISION	DATE

**SMITH DOUGLAS HOMES**  
QUALITY | INTEGRITY | VALUE

INTERIOR TRIM  
DETAILS

SMITH DOUGLAS HOMES  
110 VILLAGE TRAIL  
SUITE 215  
WOODSTOCK, GA 30188  
www.smithdouglas.com

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

DATE:	6/13/23
PLAN ID:	
PND:	
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 STUD TO PLATE	NAILS @ 4" O.C.	NAILS @ 4" O.C.
RIM TO TOP PLATE	(4) TOENAILS/ (3) END NAILS	(4) TOENAILS/ (4) END NAILS*
BLK'G. BTWN. JOISTS TO TOP PL.	TOENAILS @ 6" O.C.	TOENAILS @ 4" O.C.*
DOUBLE STUD	(3) TOENAILS EA. END	(3) TOENAILS EA. END*
DOUBLE TOP PLATE	NAILS @ 16" O.C.	NAILS @ 16" 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 H2.5T	(4) TOENAILS + (1) SIMPSON H2.5T
GAB. END TRUSS TO DBL. TOP PL.	TOENAILS @ 8" O.C.	TOENAILS @ 6" O.C.
R.T. w/ HEEL HT. 9 1/4" TO 12"	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. 12" TO 16"	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. 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.	

\* 2 1/2"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
- 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)

VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER 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 1/2"x3/8"
8'-0"	3 FT. MAX	L4"x4"x1/4" *
	12 FT. MAX	L5"x3 1/2"x3/8"
	16 FT. MAX	L6"x3 1/2"x3/8"
9'-6"	12 FT. MAX	L6"x3 1/2"x3/8"

ALL LINTELS

- SHALL SUPPORT 2 3/4" - 3 1/2" VENEER w/ 40 psf MAXIMUM WEIGHT.
- 10" SHALL HAVE 4" MIN. BEARING
- 16" SHALL HAVE 8" MIN. BEARING
- 10" SHALL NOT BE FASTENED BACK TO HEADER.
- 10" SHALL BE FASTENED BACK TO WOOD HEADERS IN WALL @ 48" O.C. w/ 1/2" DIA. x 3 1/2" LONG LAG SCREWS @ 2" LONG VERTICALLY SLOTTED HOLES.
- MAX. VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
- ALL LINTELS SHALL BE LONG LEG VERTICAL.
- WHEN SUPPORTING VENEER: < 3" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3/4" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT FINISHING.
- SEE STRUCTURAL PLAN FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS.
- \* FOR QUEEN VENEER USE L4"x3/4".

MK 51ND - 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 = 4000 psi: ..... FOUNDATION WALLS
  - 3000 psi: ..... FOOTINGS & INTERIOR SLABS ON GRADE
  - 3500 psi: ..... GARAGE & EXTERIOR SLABS ON GRADE
  - fy = 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 (GM, GP, SM, SP)
  - 45 PCF TYPE (GM, GC, SM, SM-SC, ML)
  - IMPORTANT: IF 60 PCF SOIL TYPE (SC, ML-CI, OR CI) 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 51ND - MAY 2016

LEGEND

- R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)
- O.F. INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.)
- F.J. INDICATES 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 ADDL. 10 PSF DEAD LOAD AT THESE LOCATIONS.
- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM/HEADER
- METAL HANGER
- INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:  
**20MPH 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 R301.3 OF THE 2018 NCBC:RC & 2018 IRC. 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 NCBC:RC & 2018 IRC SECTION R802.II.1.1. 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 1/32" 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 (1/8" 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 HOLDDOWN
- MK 51ND - MAR 2016

FLOOR FRAMING

- I-JOISTS SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES STONEMARBLE 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 'STUD-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, & HIP'S FASTEN ROOF SHEATHING FIELDS PER EDGE NAILING SPEC.
  - FASTEN EACH ROOF TRUSS TO TOP PLATE w/ USP RT1A CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) RT1A CLIPS AT 2-PLY GIRDER TRUSSES, (3) RT1A 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 ITC & TPI'S BC51 "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 1' SPAN).
- MK 51ND - 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, GUYS, AND TIE-DOWNS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

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

GENERAL STRUCTURAL NOTES

- DESIGN IS BASED ON 2018 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 = 1 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(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. SPP/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=2.0x10^6 psi
  - ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:
    - "LVL" - Fb=2400 psi; FcII=2500 psi; E=1.8x10^6 psi
  - FOR 2 & 3 PLY BEAMS OF EQUAL 1 1/2" MAX. WIDTH, FASTEN PLYS TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O.C. OR 2 ROWS USP W635 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 1/2" MAX. WIDTH, FASTEN PLYS TOGETHER WITH 3 ROWS OF USP W66 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 51ND - MAR 2016

TOBACCO Lot 172

8/18/23

**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING  
3025 Bluechick Parkway, Suite 205 - Alpharetta, GA 30022  
404-777-4894 - mulhern@mkulpe.com

NC License # C-3825

Mulhern+Kulp project number:  
**256-21009**

project mgr: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**

REVISIONS:

date:	initial:
11/22/21	JPP
08/18/23	MMD

ISSUED PLANS ADDED  
STRIP PORTAL FRAME GARAGE EXT. WALLS

GENERAL STRUCTURAL NOTES

**MCGINNIS MODEL**

SMITH DOUGLAS HOMES

120 MPH WIND ZONE  
NORTH CAROLINA

sheet:

**50.0**





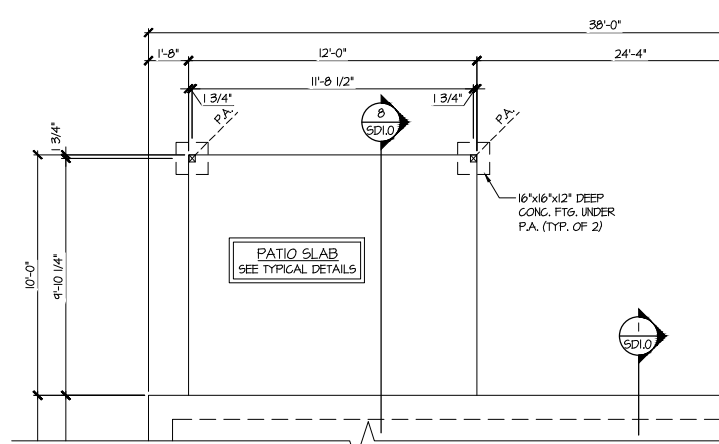
**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING  
3025 Beechdale Parkway, Suite 105 - Alpharetta, GA 30022  
404-777-4874 - mulhern+kulp.com  
NC License # C-3825

Mulhern+Kulp project number:  
**256-21009**  
project mgr: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**  
REVISIONS:  
date: 11/22/21 initial: JPP  
MISSED PLANS ADDED  
08/18/23 MMD  
STRAP, PORTAL FRAME, GARAGE EXT. WALLS

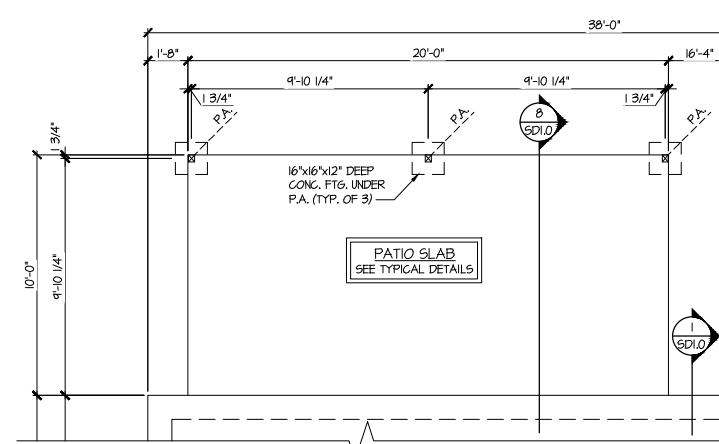
SMITH DOUGLAS  
HOMES

MONO-SLAB FOUNDATION  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

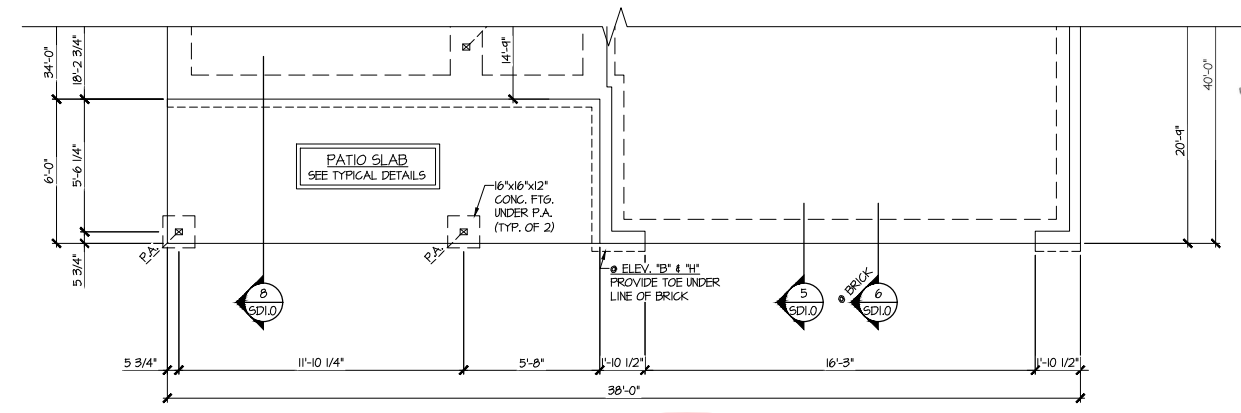
sheet:  
**S1.0**



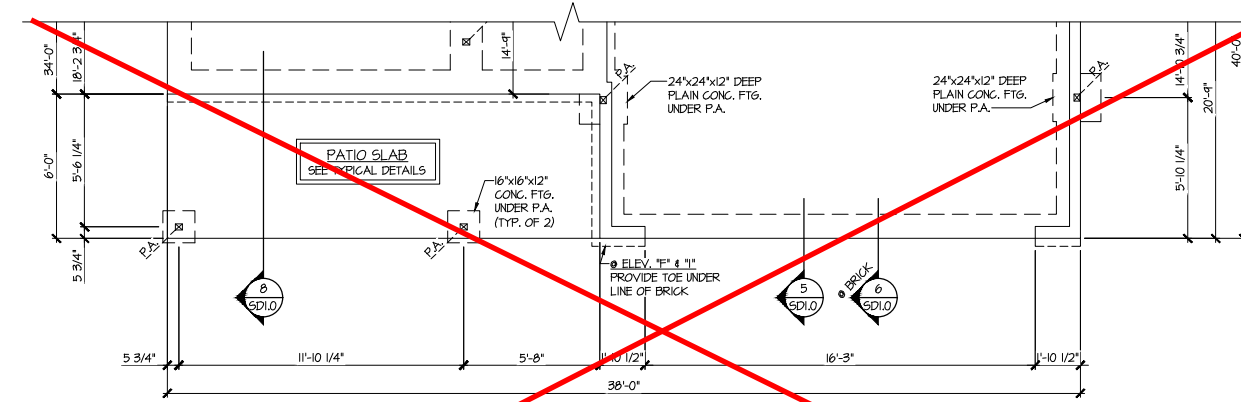
**4 PARTIAL MONO-SLAB FOUNDATION PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. COVERED PORCH



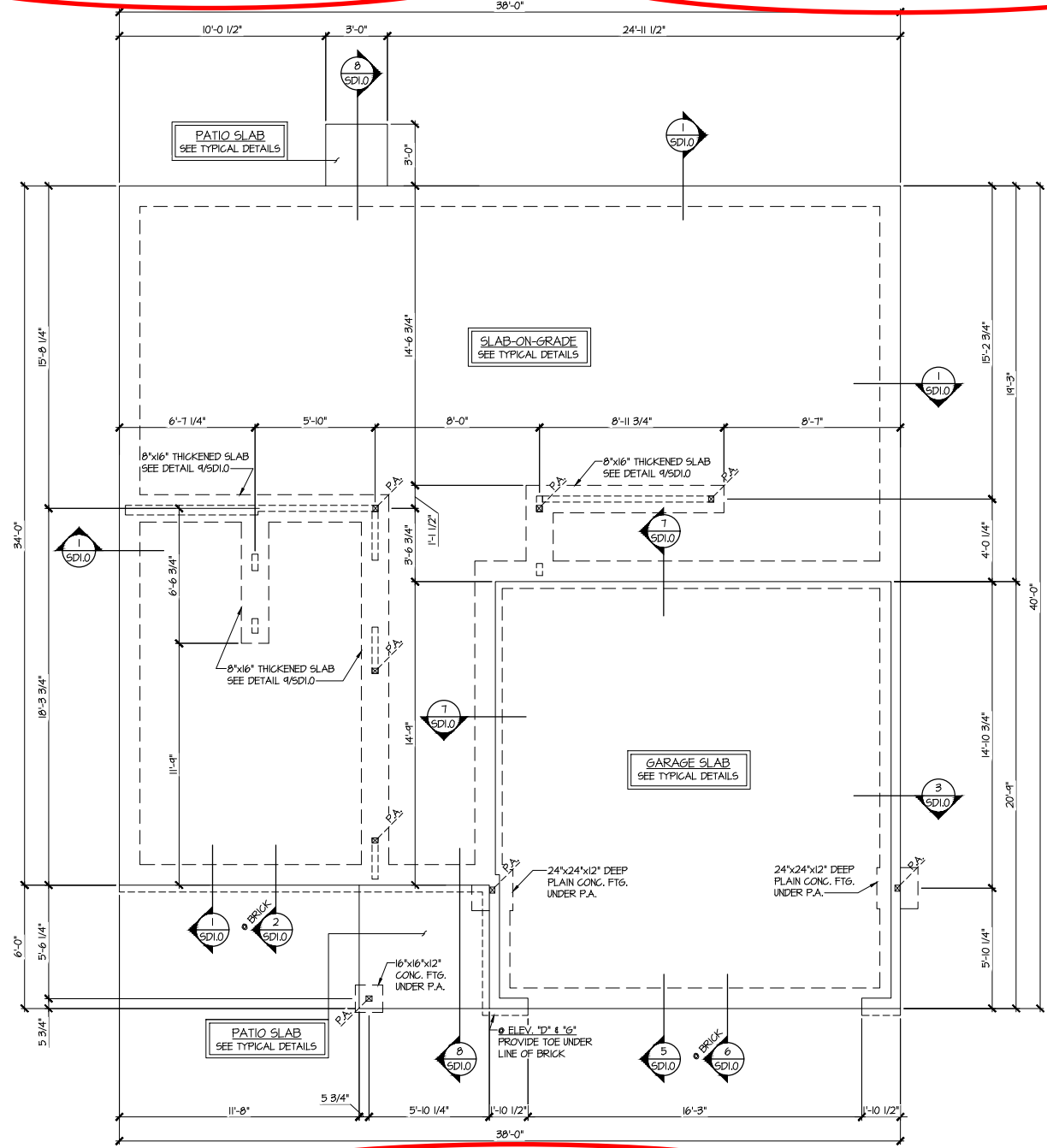
**5 PARTIAL MONO-SLAB FOUNDATION PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. LARGE COVERED PORCH



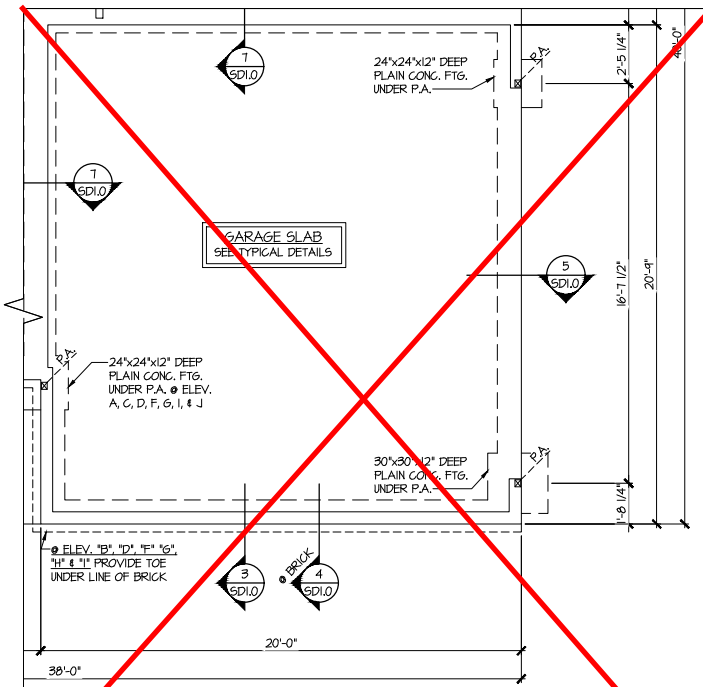
**2 PARTIAL MONO-SLAB FOUNDATION PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ELEV. B, E, H, & K



**3 PARTIAL MONO-SLAB FOUNDATION PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ELEV. C, F, & J



**1 MONO-SLAB FOUNDATION PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ELEV. A, D, G, & J



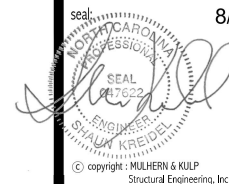
**6 PARTIAL MONO-SLAB FOUNDATION PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. SIDE ENTRY GARAGE

**TOBACCO**  
Lot 172

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

**LEGEND**

- R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)
- O.F. INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.)
- F.J. INDICATES 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 ADDL 10 PSF DEAD LOAD AT THESE LOCATIONS.
- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM/HEADER
- M.L. METAL HANGER
- INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING  
3025 Sherrills Parkway, Suite 105 - Alpharetta, GA 30022  
970-777-4874 - mulhern+kulp.com  
NC License # C-3825

Mulhern+Kulp project number:  
**256-21009**  
project mgr: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**  
REVISIONS:  
date: initial:  
11/22/21 JPP  
1/23/22 MMD  
08/18/23 MMD  
STRIP PORTAL FRAME GARAGE EXT. WALLS

SMITH DOUGLAS  
HOMES

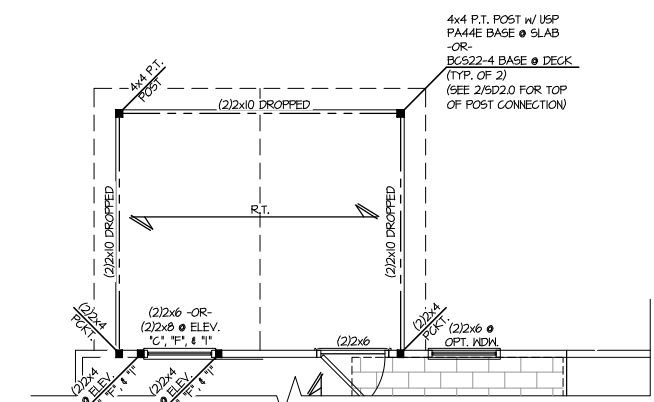
2ND FLOOR FRAMING PLAN

MCGINNIS MODEL

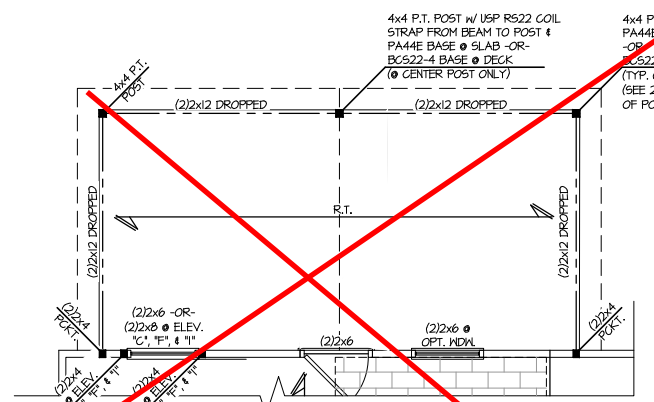
120 MPH WIND ZONE  
NORTH CAROLINA

sheet:

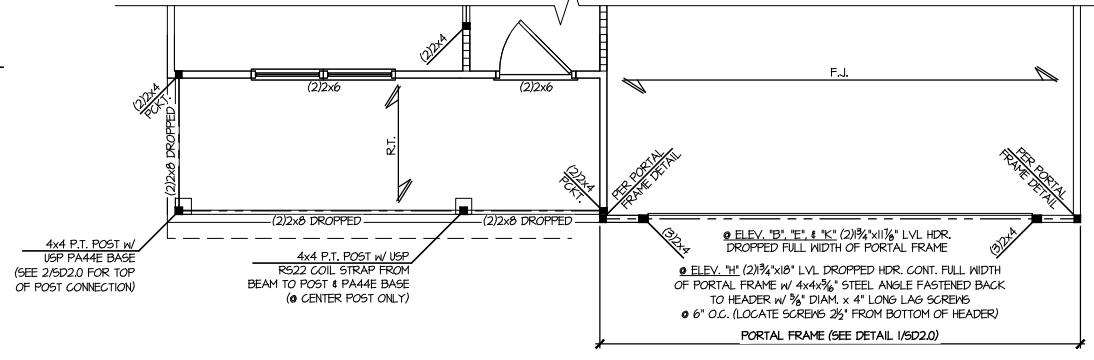
**S3.0**



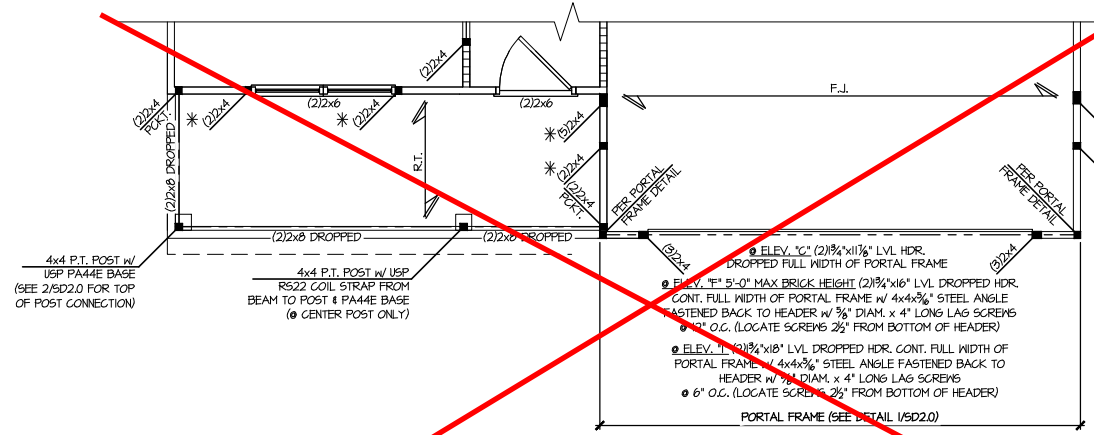
**4 PARTIAL 2ND FLOOR FRAMING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. COVERED PORCH



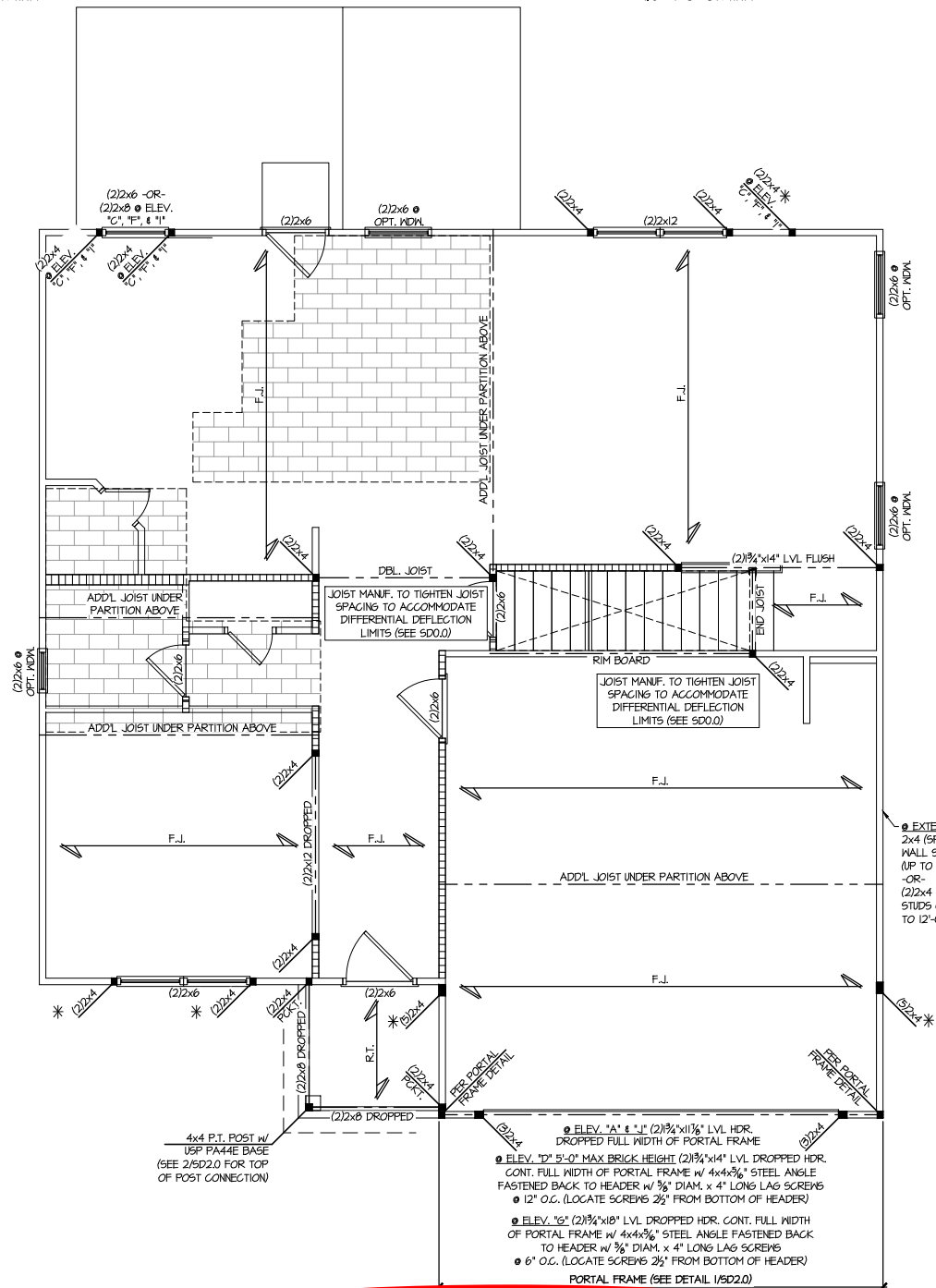
**5 PARTIAL 2ND FLOOR FRAMING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. LARGE COVERED PORCH



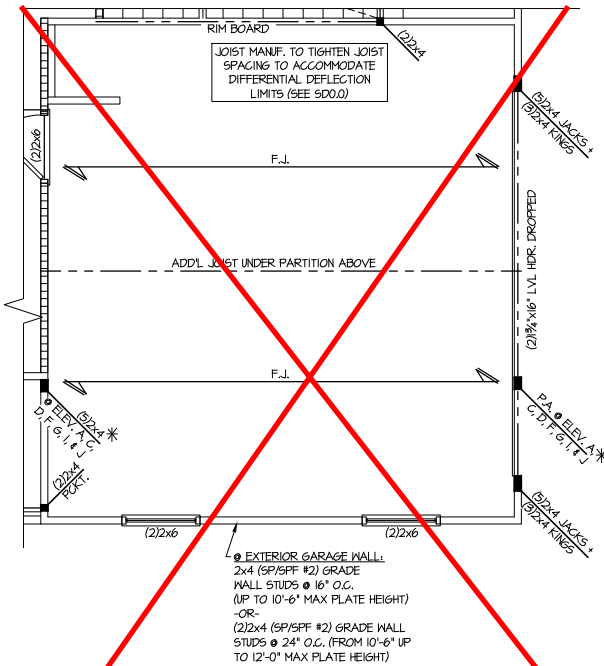
**2 PARTIAL 2ND FLOOR FRAMING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ELEV. B, E, H, & K



**3 PARTIAL 2ND FLOOR FRAMING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ELEV. C, F, & J



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



**6 PARTIAL 2ND FLOOR FRAMING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. SIDE ENTRY GARAGE

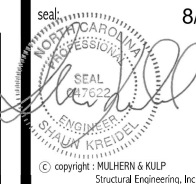
**TOBACCO**  
Lot 172

REFER TO S.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. UNO.)
- O.F. INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. UNO.)
- F.J. INDICATES 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 ADDL 10 PSF DEAD LOAD AT THESE LOCATIONS.
- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM/HEADER
- M.L. METAL HANGER
- \* INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING  
3025 Sherrills Parkway, Suite 105 - Alpharetta, GA 30022  
404-777-4874 - mulhern+kulp.com  
NC License # C-3825

Mulhern+Kulp project number:  
**256-21009**  
project mgr: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**  
REVISIONS:  
date: 11/22/21 initial: JPP  
1/22/23 MMD  
08/18/23 MMD  
STRAP, PORTAL FRAME, GARAGE EXT. WALLS

SMITH DOUGLAS  
HOMES

1ST FLOOR WALL BRACING PLAN  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

sheet:  
**S3.0L**

**LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS**

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:  
**120MPH 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 1604) & ASCE 7, AS PERMITTED BY R301.1.3 OF THE 2018 NCSBC: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 NCSBC:RC & 2018 IRC SECTION R02.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & R602.11.

MJK STD. - MAR 2016

**EXT. WALL SHEATHING SPECIFICATION**

- 7/16" 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. UNO.)
- 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 (7/8" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

**3" O.C. EDGE NAILING**

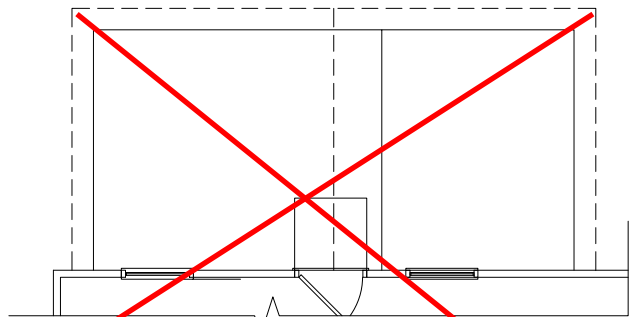
- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING w/ 2 3/8" x 0.113" NAILS @ 3" O.C. AND 12" O.C. IN THE PANEL FIELD NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEL TO STUD) AND INSTALLED FULL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

**NOTES**

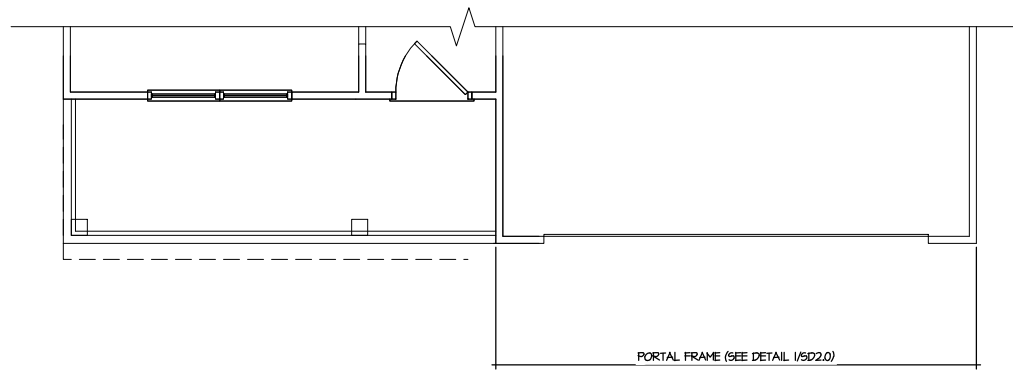
- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, UNO.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-MANUFACTURED PANELIZED 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

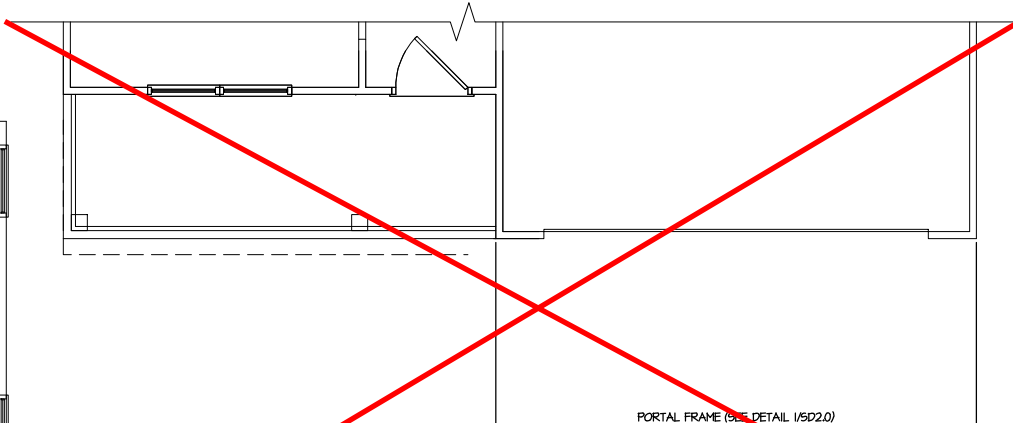
MJK STD. - MAR 2016



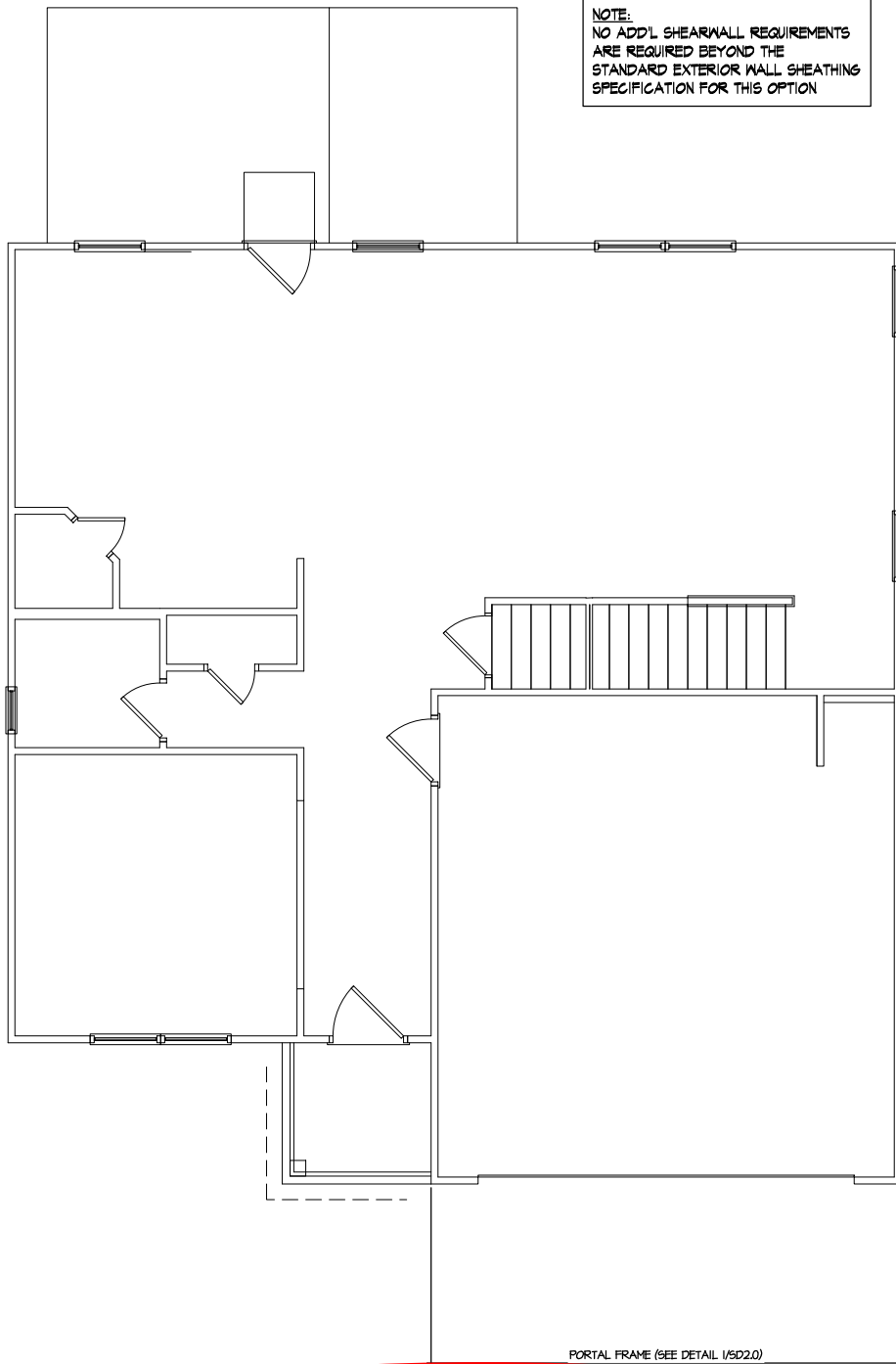
**5 PARTIAL 1ST FLOOR WALL BRACING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. LARGE COVERED PORCH



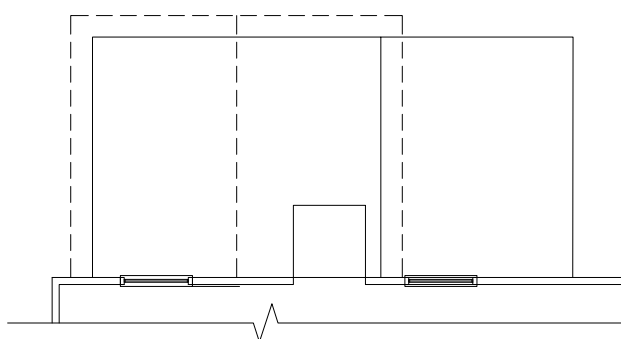
**2 PARTIAL 1ST FLOOR WALL BRACING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ELEV. B, E, H, & K



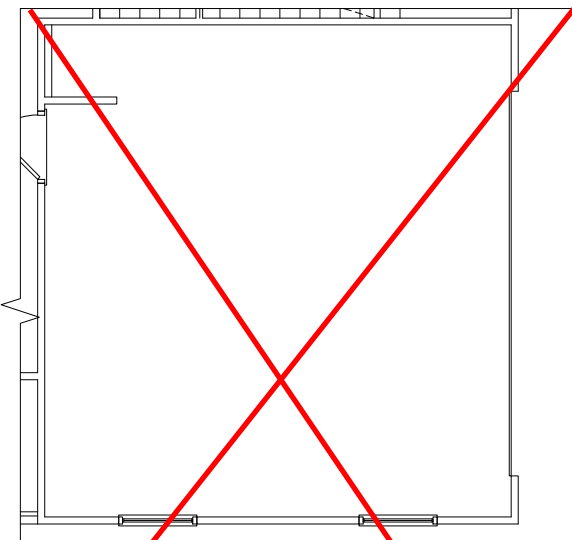
**3 PARTIAL 1ST FLOOR WALL BRACING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ELEV. C, F, & I



**1 1ST FLOOR WALL BRACING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ELEV. A, D, G, & J



**4 PARTIAL 1ST FLOOR WALL BRACING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. COVERED PORCH



**6 PARTIAL 1ST FLOOR WALL BRACING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. SIDE ENTRY GARAGE

**NOTE:**  
NO ADD'L SHEARWALL REQUIREMENTS ARE REQUIRED BEYOND THE STANDARD EXTERIOR WALL SHEATHING SPECIFICATION FOR THIS OPTION

**NOTE:**  
NO ADD'L SHEARWALL REQUIREMENTS ARE REQUIRED BEYOND THE STANDARD EXTERIOR WALL SHEATHING SPECIFICATION FOR THIS OPTION

**NOTE:**  
NO ADD'L SHEARWALL REQUIREMENTS ARE REQUIRED BEYOND THE STANDARD EXTERIOR WALL SHEATHING SPECIFICATION FOR THIS OPTION

**TOBACCO Lot 172**

REFER TO S0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

**LEGEND**

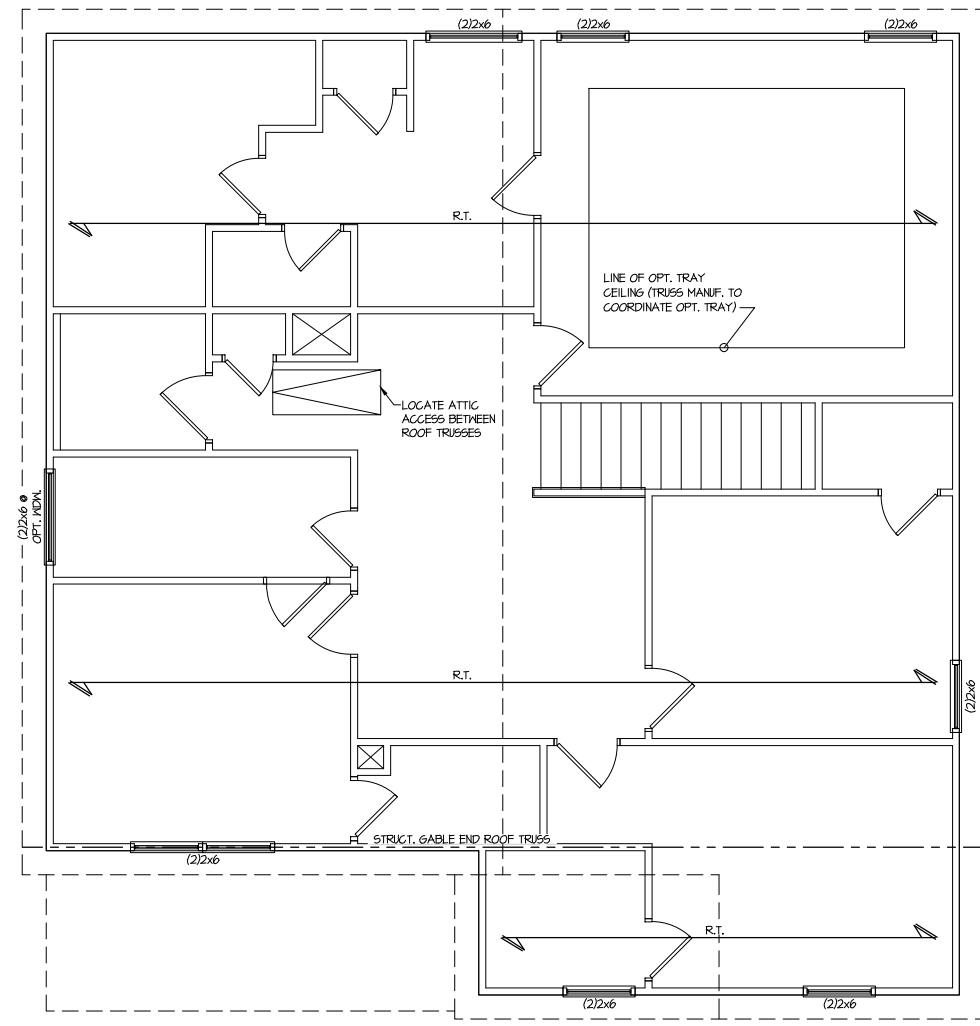
- R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. UNO.)
- O.F. INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. UNO.)
- F.J. INDICATES 14" DEEP FLOOR I-JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER
- D.J. INDICATES 2x8 P.T. DECK 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.
- 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 project number:	256-21009
project mgr:	SMK
drawn by:	MJF
issue date:	10-26-2021
REVISIONS:	
date:	initial:
11/22/21	JFP
08/18/23	MMD
MISSED PLANS ADDED STRAP PORTAL FRAME GARAGE EXT. WALLS	

SMITH DOUGLAS  
 HOMES

ROOF FRAMING PLAN  
 MCGINNIS MODEL  
 120 MPH WIND ZONE  
 NORTH CAROLINA

sheet:  
**S4.1**



**TOBACCO  
 Lot 172**

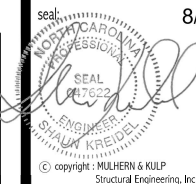
THIS LEVEL HAS BEEN DESIGNED FOR 9'-1" PLATE HEIGHT

REFER TO 50.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

**1 ROOF FRAMING PLAN**  
 SCALE: 1/4"=1'-0" ON 22x34  
 1/8"=1'-0" ON 11x17  
 ELEV. B, E, H, & K

LEGEND	
• R.T.	INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)
• O.F.	INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.)
• F.J.	INDICATES 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)
• [Symbol]	INDICATES LOCATIONS OF POTENTIAL TILE FLOOR. JOIST MANUFACTURER SHALL DESIGN FLOOR SYSTEM FOR ADDL 10 PSF DEAD LOAD AT THESE LOCATIONS.
• [Symbol]	INTERIOR BEARING WALL
• [Symbol]	BEARING WALL ABOVE (B.W.A.)
• [Symbol]	BEAM/HEADER
• JL	METAL HANGER
• *	INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.





**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING  
3025 Sherrills-Forkway, Suite 105 - Albemarle, NC 28822  
919-777-4874 - mulhern+kulp.com  
NC License # C-3825

Mulhern+Kulp project number:  
**256-21009**  
project mgr: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**  
REVISIONS:  
date: initial:  
11/22/21 JPP  
08/18/23 MMD  
MMD  
STRAP PORTAL FRAME, GARAGE EXT. WALLS

SMITH DOUGLAS  
HOMES

2ND FLOOR WALL BRACING PLAN  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

sheet:  
**S4.1L**

**LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS**

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

THE DESIGN WAS COMPLETED PER 2015 & 2018 IBC (SECTION 1604) & ASCE 7, AS PERMITTED BY R301.1.3 OF THE 2018 NC SBC: 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 NC SBC: 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 R602.3.5 & R802.11.

MJK STD. - MAR 2016

**EXT. WALL SHEATHING SPECIFICATION**

- 7/16" 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 (7/8" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

**3" O.C. EDGE NAILING**

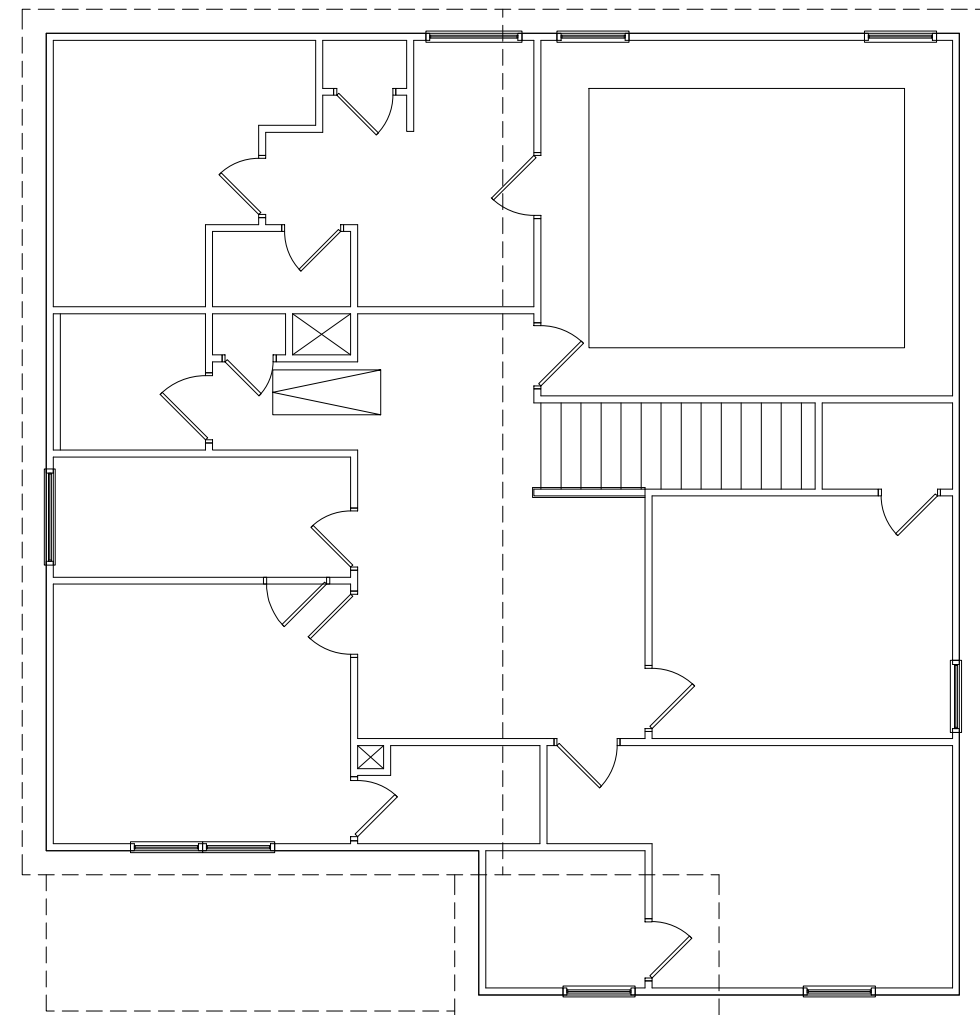
- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING w/ 2 3/8" x 0.113" NAILS @ 3" O.C. AND 12" O.C. IN THE PANEL FIELD NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEL TO STUD) AND INSTALLED FULL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

MJK STD. - MAR 2016



NOTE:  
NO ADD'L SHEARWALL REQUIREMENTS ARE REQUIRED BEYOND THE STANDARD EXTERIOR WALL SHEATHING SPECIFICATION FOR THIS ELEVATION

**2ND FLOOR WALL BRACING PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ELEV. B, E, H, & K

**TOBACCO Lot 172**

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

REFER TO 50.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

**LEGEND**

- R.T. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)
- O.F. INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.)
- F.J. INDICATES 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 ADDL 10 PSF DEAD LOAD AT THESE LOCATIONS.
- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM/HEADER
- M.L. METAL HANGER
- INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

Mulhern+Kulp project number:	256-21009
project mgr:	SMK
drawn by:	MJF
issue date:	10-26-2021
REVISIONS:	
date:	initial:
11/22/21	JPP
08/18/23	MMD
MISSED PLANS ADDED STRAP, PORTAL FRAME, GARAGE EXT. WALLS	

SMITH DOUGLAS  
HOMES

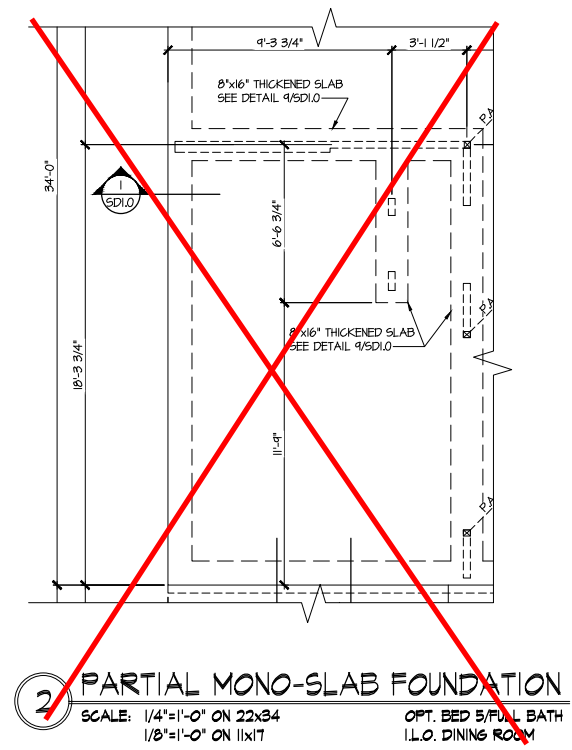
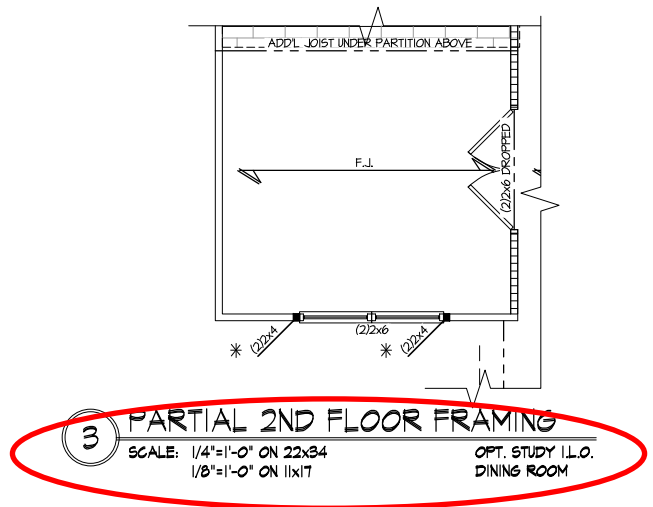
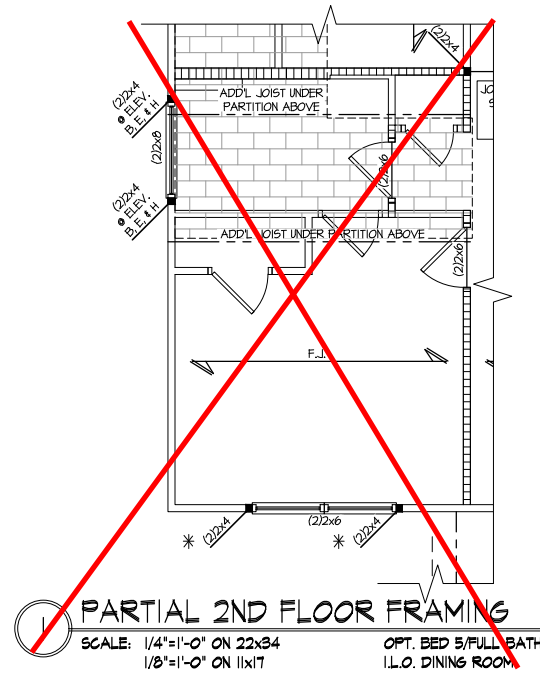
OPTIONS

**MCGINNIS MODEL**

120 MPH WIND ZONE  
NORTH CAROLINA

sheet:











**S5.0**

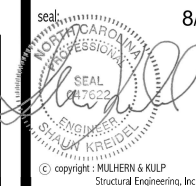


**TOBACCO  
Lot 172**

REFER TO 50.0 FOR TYPICAL  
STRUCTURAL NOTES & SCHEDULES

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

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 SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER
	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.
	INTERIOR BEARING WALL
	BEARING WALL ABOVE (B.W.A.)
	BEAM/HEADER
	METAL HANGER
	INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING  
3025 Sherrills-Forkway, Suite 105 - Albemarle, NC 28822  
919-777-4874 - mulhern+kulp.com  
NC License # C-3825

Mulhern+Kulp project number:  
**256-21009**  
project mgr: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**  
REVISIONS:  
date: initial:  
1/22/21 JPP  
MISSED PLANS ADDED  
08/18/23 MMD  
STRAP, PORTAL FRAME, GARAGE EXT. WALLS

SMITH DOUGLAS  
HOMES

OPTIONS  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

sheet:  
**S5.0L**

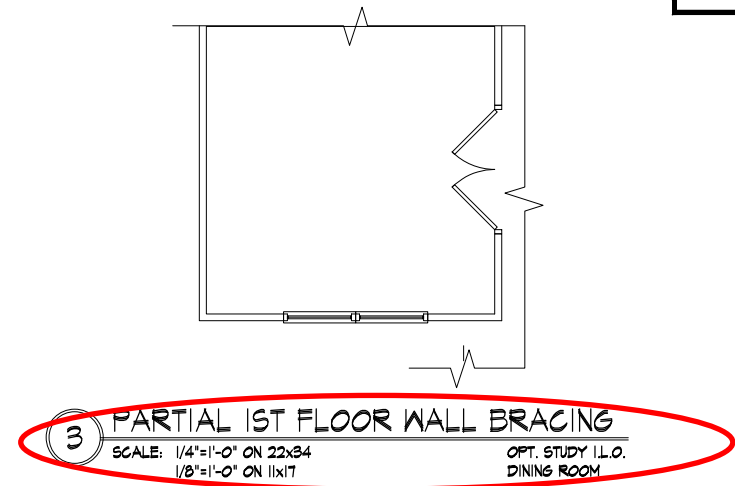
**LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS**  
THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:  
**120MPH WIND IN 2018 NCSBC:RC & 120MPH WIND IN 2018 IRC**  
(120 MPH WIND SPEED IN ASCE 7 WIND MAP, PER IRC R301.2.1.1) EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.  
THE DESIGN WAS COMPLETED PER 2015 & 2018 IBC (SECTION 1604) & ASCE 7, AS PERMITTED BY R301.1.3 OF THE 2018 NCSBC: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 NCSBC: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 R602.3.5 & R802.11.  
MK STD. - MAR 2016

**EXT. WALL SHEATHING SPECIFICATION**  
• 7/16" 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 (7/16" 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.

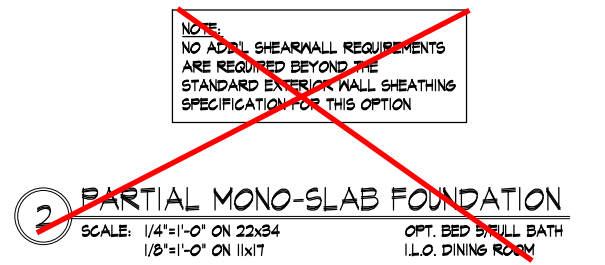
**NOTES**  
• SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.  
• DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, U.N.O.  
• ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.  
• 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 HOLDDOWN  
MK STD. - MAR 2016



**NOTE:**  
NO ADD'L SHEARWALL REQUIREMENTS ARE REQUIRED BEYOND THE STANDARD EXTERIOR WALL SHEATHING SPECIFICATION FOR THIS OPTION



**NOTE:**  
NO ADD'L SHEARWALL REQUIREMENTS ARE REQUIRED BEYOND THE STANDARD EXTERIOR WALL SHEATHING SPECIFICATION FOR THIS OPTION



**NOTE:**  
NO ADD'L SHEARWALL REQUIREMENTS ARE REQUIRED BEYOND THE STANDARD EXTERIOR WALL SHEATHING SPECIFICATION FOR THIS OPTION

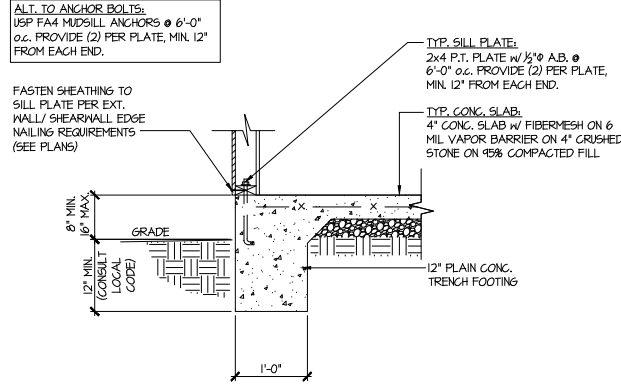
**TOBACCO**  
Lot 172

REFER TO S0.0 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

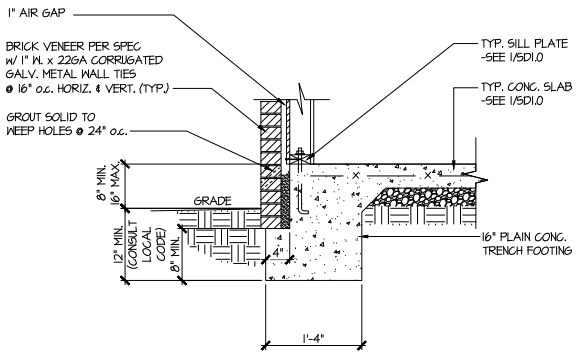
THIS LEVEL HAS BEEN DESIGNED FOR 9'-1" PLATE HEIGHT

**LEGEND**

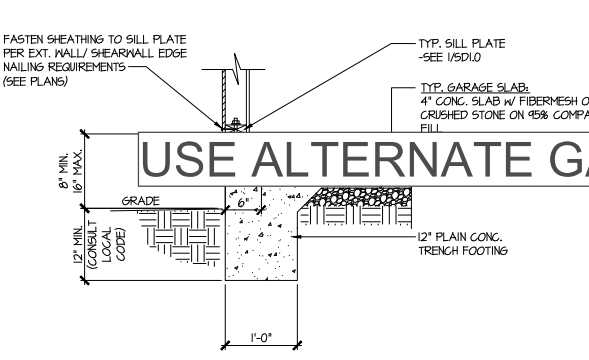
• R.T.	INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)
• O.F.	INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.)
• F.J.	INDICATES 14" DEEP FLOOR I-JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER
• D.J.	INDICATES 2x8 P.T. DECK JOISTS @ 16" O.C. (MAX)
• [Symbol]	INDICATES LOCATIONS OF POTENTIAL TILE FLOOR. JOIST MANUFACTURER SHALL DESIGN FLOOR SYSTEM FOR ADDL 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.



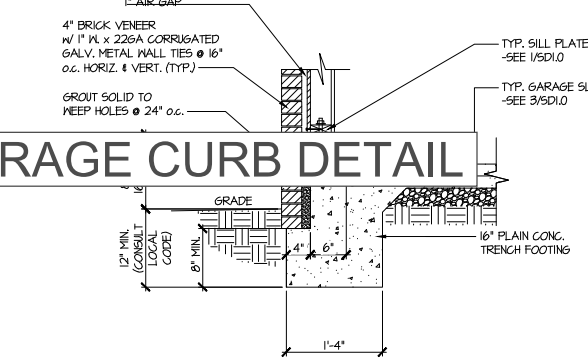
1 TYPICAL SLAB ON GRADE PERIMETER FOOTING



2 TYPICAL SLAB ON GRADE PERIMETER FOOTING w/ BRICK VENEER

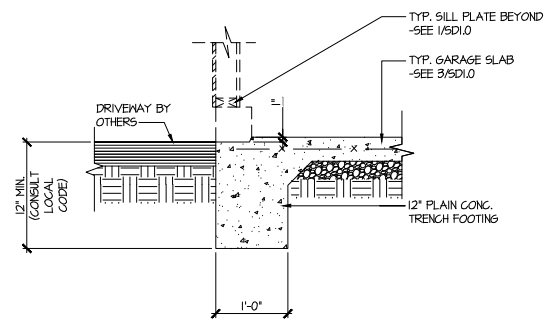


3 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING

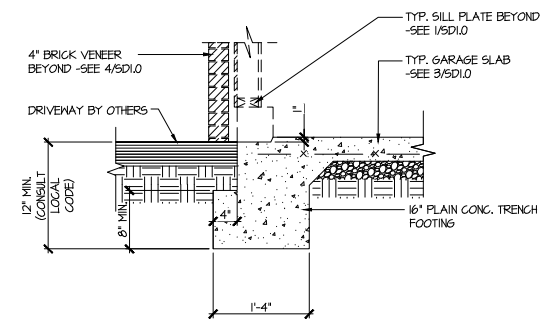


4 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING w/ BRICK VENEER

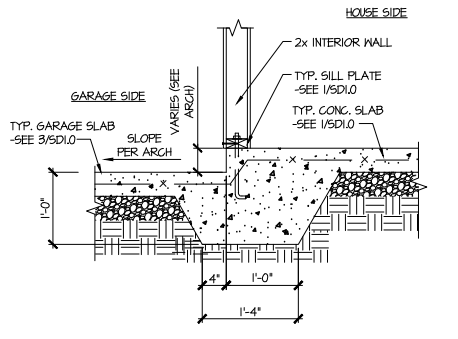
**USE ALTERNATE GARAGE CURB DETAIL**



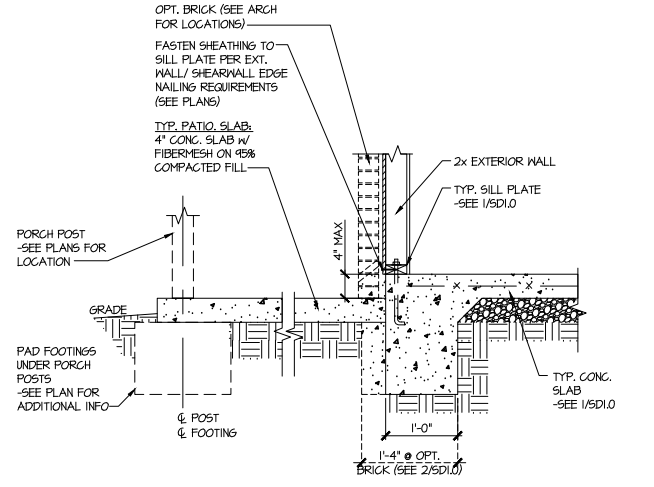
5 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING



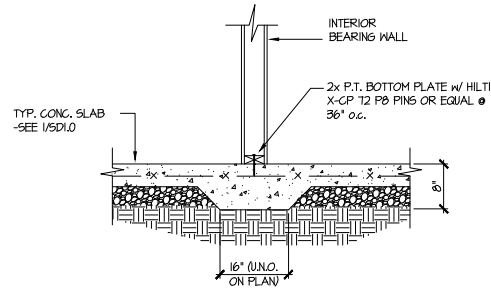
6 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING w/ BRICK VENEER



7 TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING



8 TYPICAL SLAB ON GRADE PERIMETER FOOTING @ PORCH/PATIO



9 TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL

**MULHERN+KULP**  
 RESIDENTIAL STRUCTURAL ENGINEERING  
 3025 Bluechick Parkway, Suite 105 - Alpharetta, GA 30022  
 770-777-4874 - mulhern+kulp.com  
 NC License # C-3825

Mulhern+Kulp project number:  
 256-21009

project mgr: SMK  
 drawn by: MJF  
 issue date: 10-26-2021

REVISIONS:

date:	initial:
11/22/21	JPP
08/18/23	MMD

REVISIONS:  
 08/18/23 MMD  
 STRAP, PORTAL FRAME, GARAGE EXT. WALLS

SMITH DOUGLAS  
 HOMES

FOUNDATION DETAILS  
 MCGINNIS MODEL  
 120 MPH WIND ZONE  
 NORTH CAROLINA

sheet:  
**SD1.0**

**TOBACCO**  
 Lot 172





**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING

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

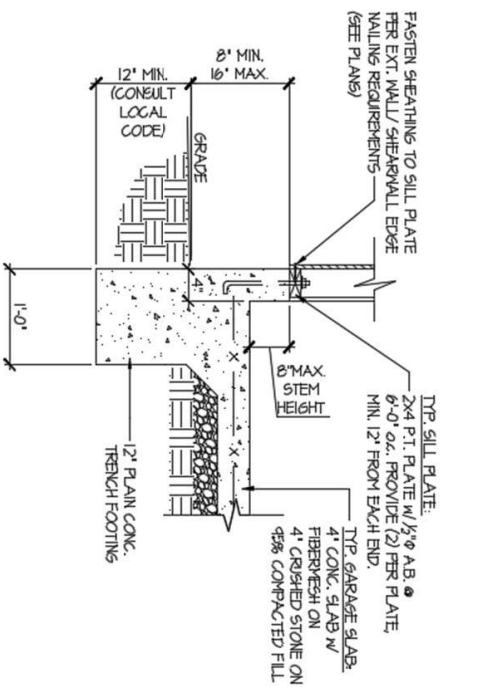
**ALTERNATE GARAGE CURB DETAIL**  
Smith Douglas Homes

*Reference*

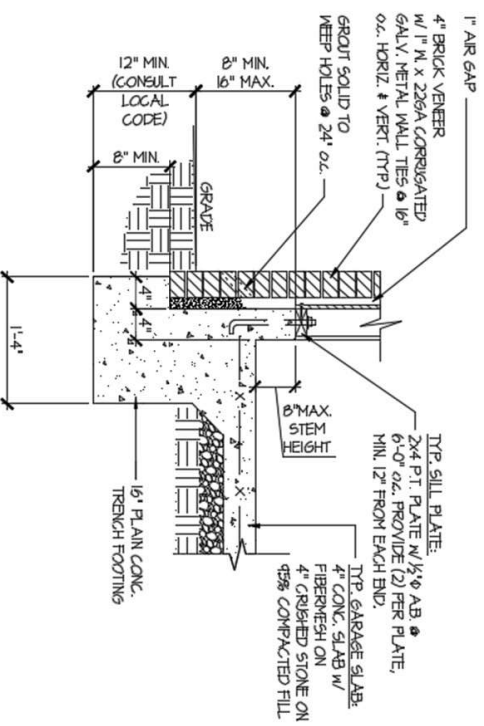
*Current Structural Plans prepared by Mulhern & Kulp*

Jody:

Pursuant to your request, we have prepared this letter to address the "Alternate Garage Curb Details", prepared by Mulhern & Kulp for 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.



**A** TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING



**B** TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING  
w/ BRICK VENEER

Please feel free to call if you have any questions.

Respectfully,

**MULHERN & KULP STRUCTURAL ENGINEERING, INC.**

NC License # C-3825

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

Signature + Seal 08/18/2023



Mulhern+Kulp project number:  
**256-21009**

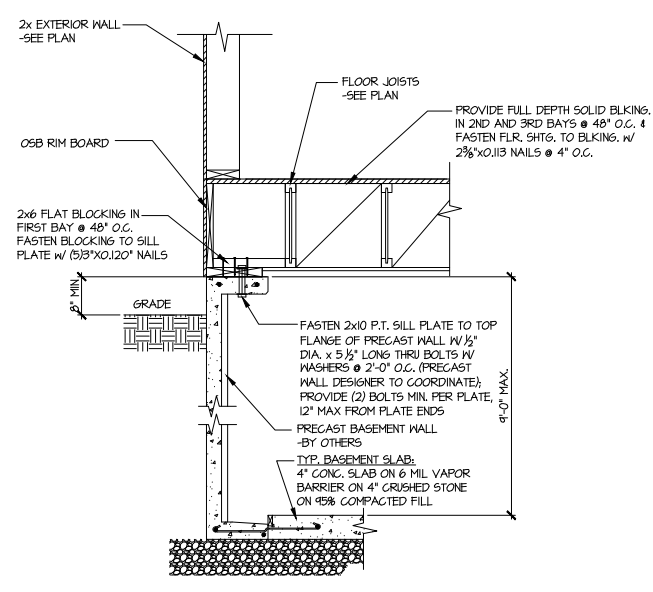
project mgr: **SMK**  
 drawn by: **MJF**  
 issue date: **10-26-2021**

REVISIONS:

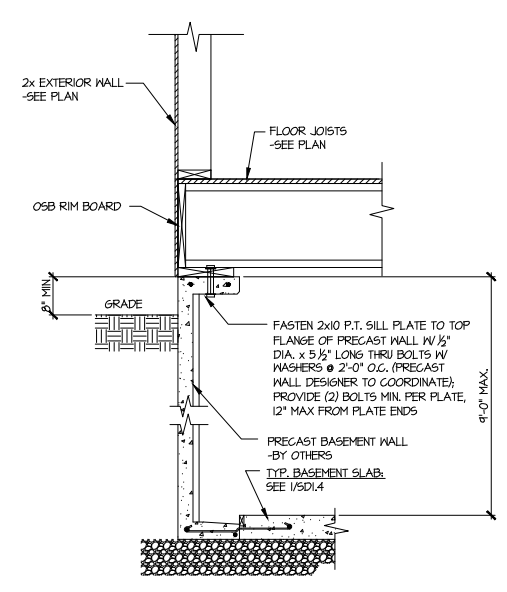
date:	initial:
11/22/21	JPP
08/18/23	MMD
STRAP, PORTAL FRAME, GARAGE EXT. WALLS	

SMITH DOUGLAS  
 HOMES

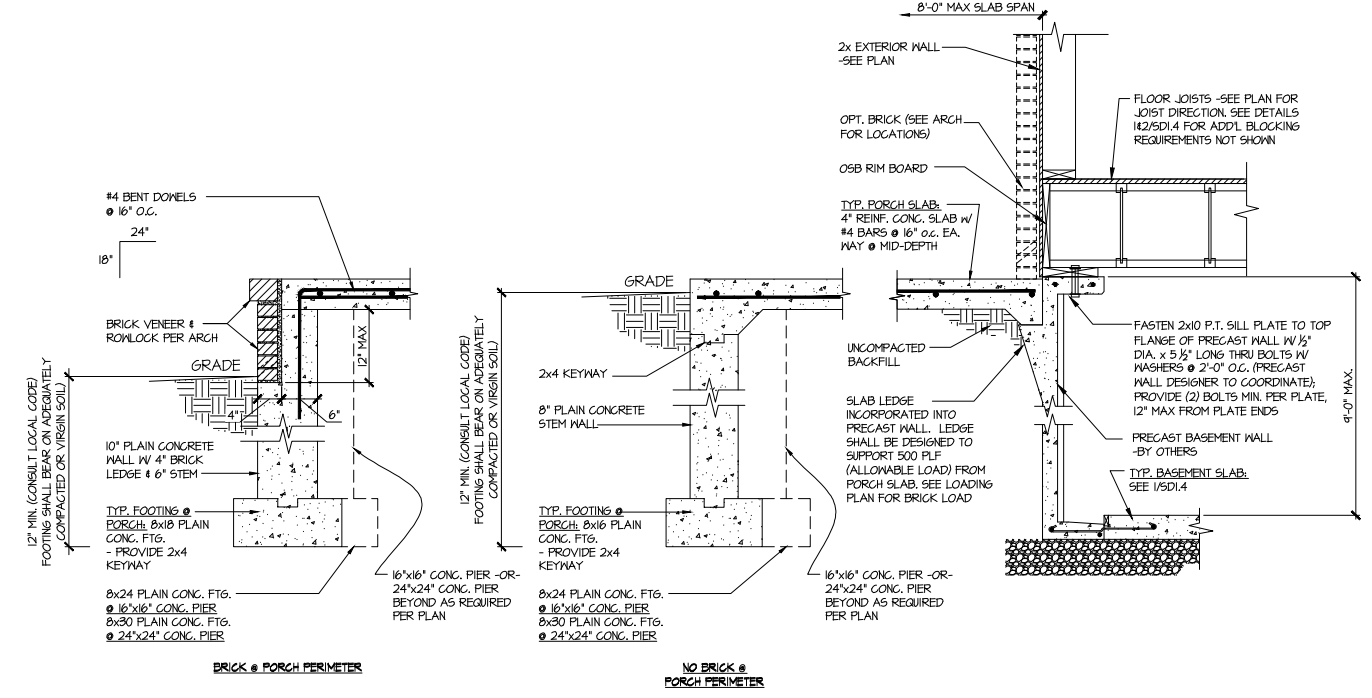
FOUNDATION DETAILS  
**MCGINNIS MODEL**  
 120 MPH WIND ZONE  
 NORTH CAROLINA



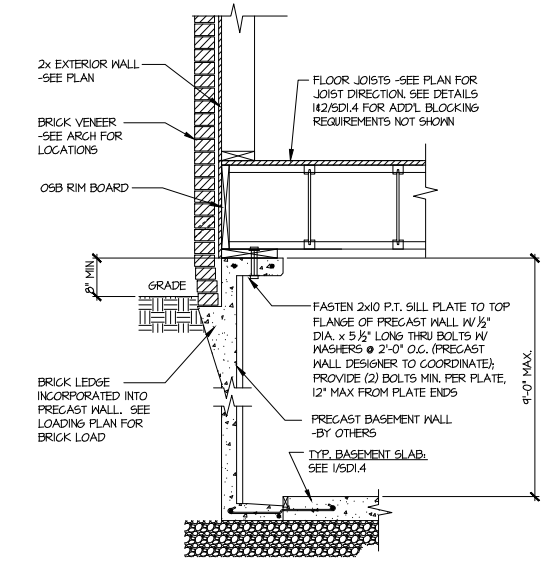
**1 SECTION**  
 SCALE: 3/4"=1'-0"



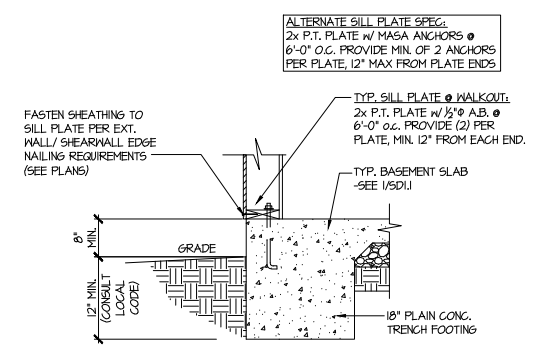
**1A SECTION**  
 SCALE: 3/4"=1'-0"



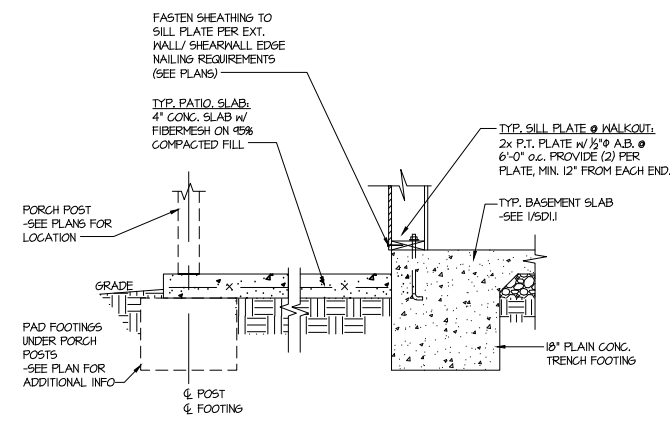
**3 SECTION**  
 SCALE: 3/4"=1'-0"



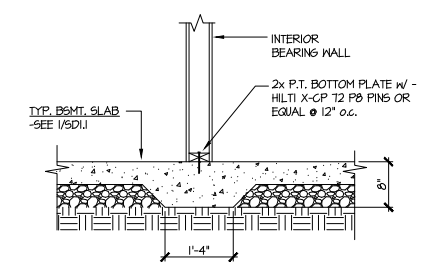
**2 SECTION**  
 SCALE: 3/4"=1'-0"



**4 TYPICAL BASEMENT FOUNDATION @ WALKOUT**

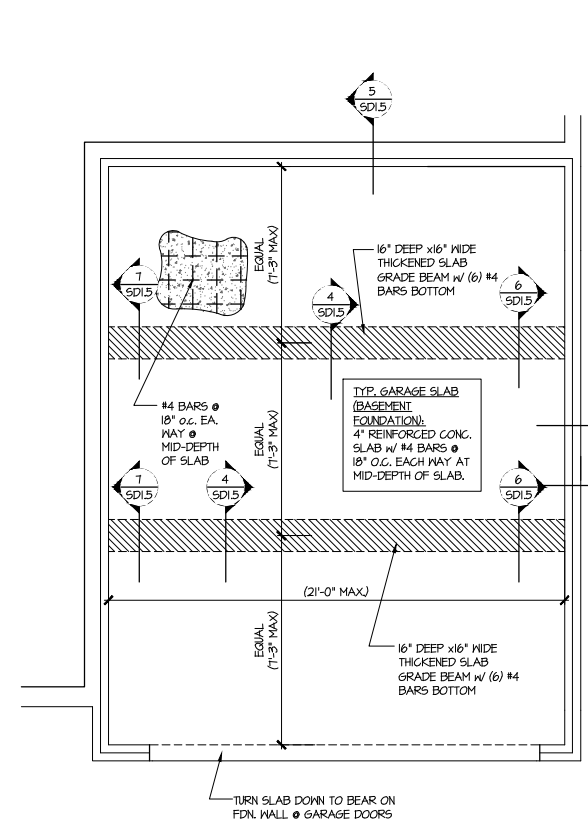


**5 TYPICAL BASEMENT FOUNDATION @ WALKOUT**

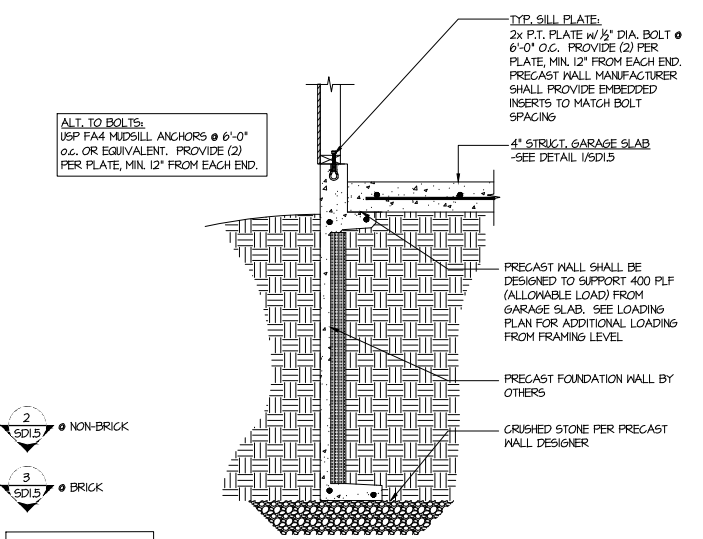


**6 TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL**

**TOBACCO**  
 Lot 172



**1** GENERIC FOUNDATION PLAN KEY @ GARAGE  
 SCALE: 1/4"=1'-0"



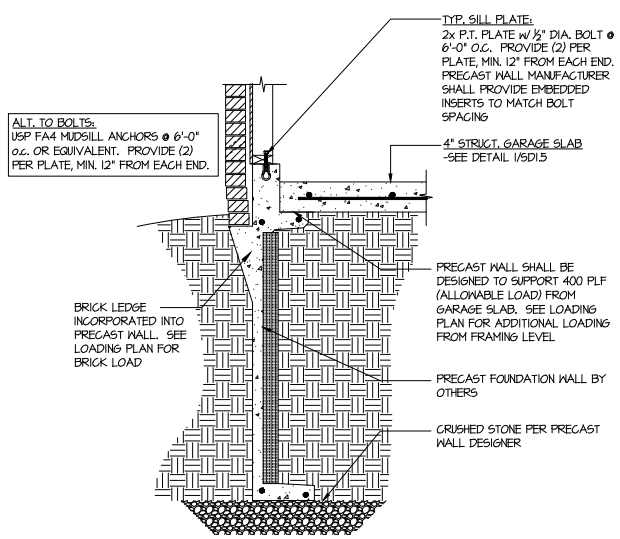
**2** TYPICAL PERIMETER FOOTING @ GARAGE - BASEMENT FOUNDATION  
 (NON-BRICK)

ALT. TO BOLTS:  
 USP F44 MIDSILL ANCHORS @ 6'-0" O.C. OR EQUIVALENT. PROVIDE (2) PER PLATE, MIN. 12" FROM EACH END.

2 @ SD1.5 NON-BRICK  
 3 @ SD1.5 BRICK

SLAB THICKNESS SHOWN IS MIN. THICKNESS REQ'D - SLOPE OF SLAB SHALL NOT COMPROMISE MIN. THICKNESS

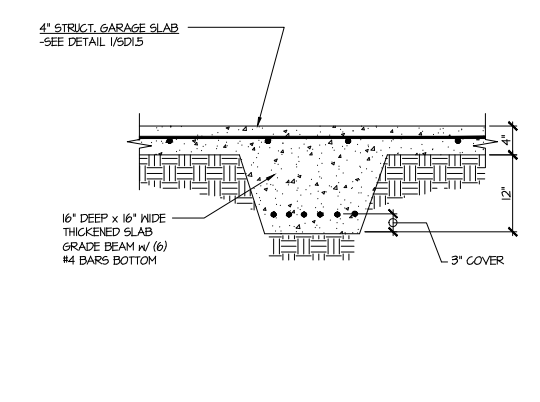
SEE ARCHITECTURAL PLANS FOR ACTUAL GARAGE DIMENSIONS



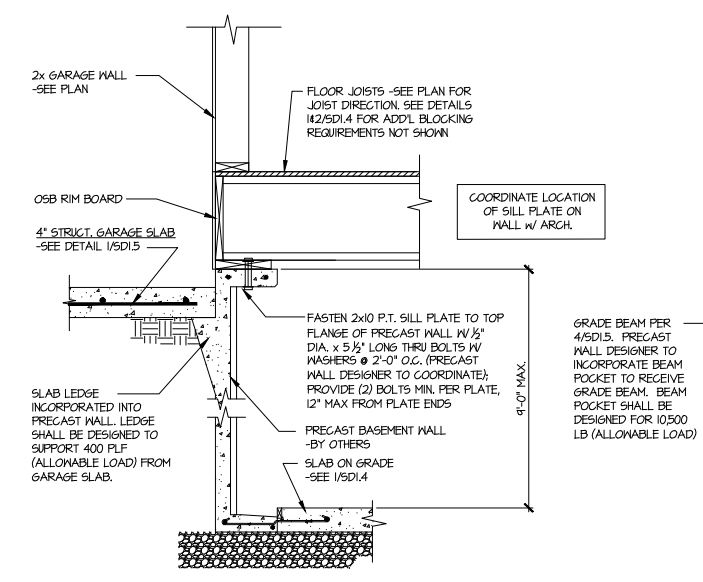
**3** TYPICAL PERIMETER FOOTING @ GARAGE - BASEMENT FOUNDATION (BRICK)

ALT. TO BOLTS:  
 USP F44 MIDSILL ANCHORS @ 6'-0" O.C. OR EQUIVALENT. PROVIDE (2) PER PLATE, MIN. 12" FROM EACH END.

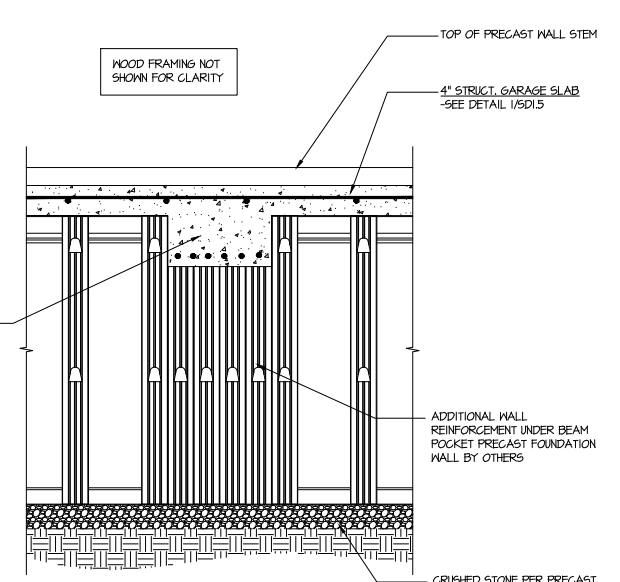
BRICK LEDGE INCORPORATED INTO PRECAST WALL. SEE LOADING PLAN FOR BRICK LOAD



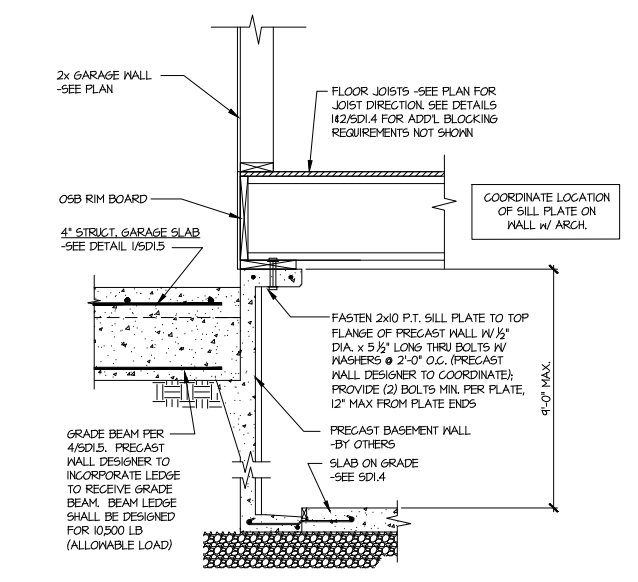
**4** TYPICAL CONCRETE GRADE BEAM @ GARAGE FDN.  
 SCALE: 3/4"=1'-0"



**5** CONCRETE BSMT. FDN. WALL @ GARAGE



**6** SECTION  
 SCALE: 3/4"=1'-0"



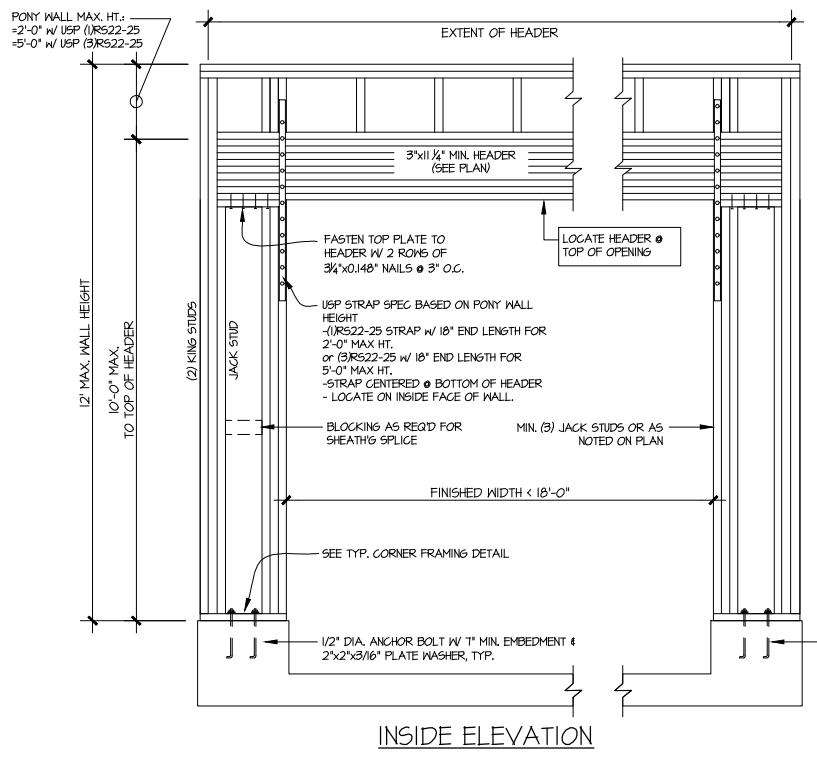
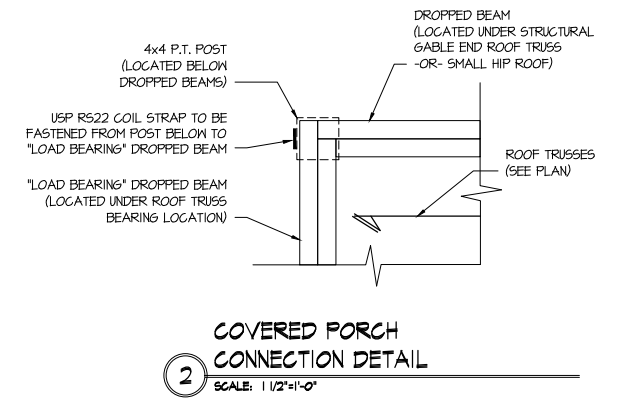
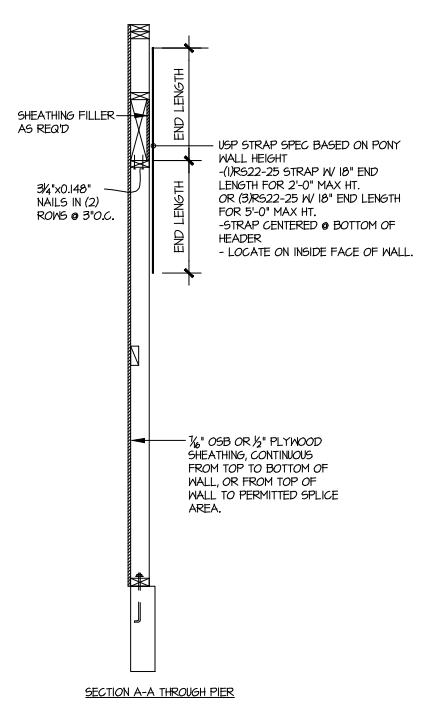
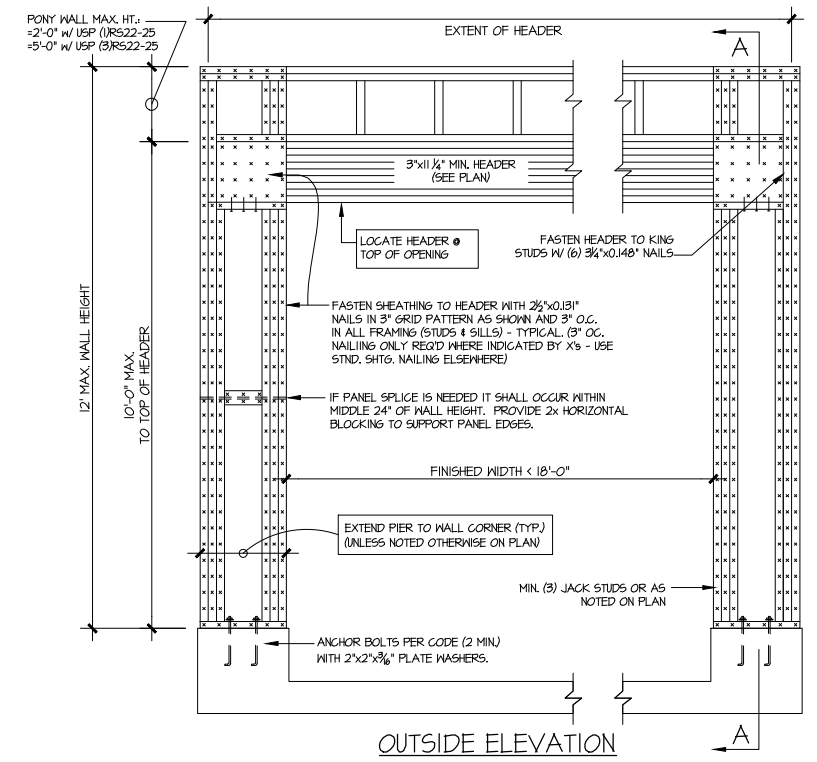
**7** SECTION  
 SCALE: 3/4"=1'-0"

**TOBACCO**  
 Lot 172

Mulhern+Kulp project number:	256-21009
project mgr:	SMK
drawn by:	MJF
issue date:	10-26-2021
REVISIONS:	
date:	initial:
1/22/21	JPP
08/18/23	MMD
STRAP, PORTAL FRAME, GARAGE EXT. WALLS	

SMITH DOUGLAS  
 HOMES

FRAMING DETAILS  
 MCGINNIS MODEL  
 120 MPH WIND ZONE  
 NORTH CAROLINA



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

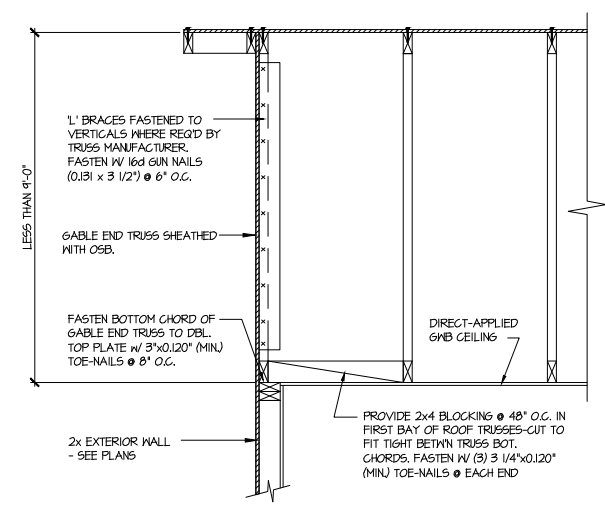
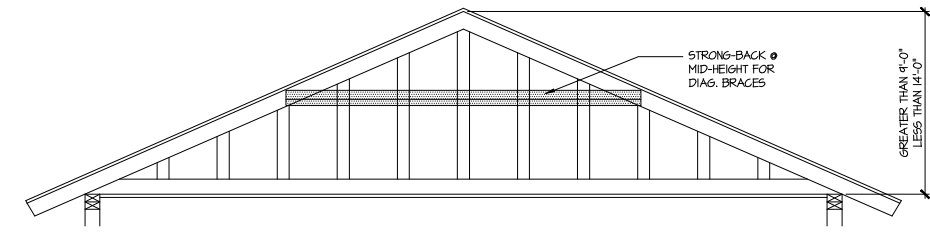
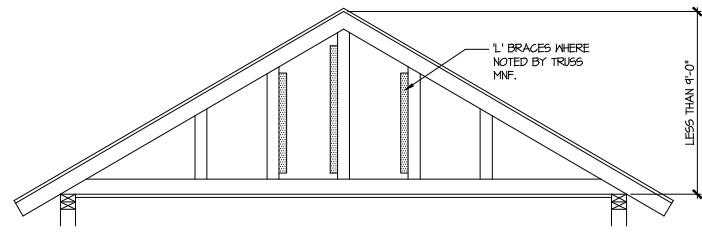
WALL FRAMING SPECIFICATION:  
 • 2x4 WALL: USE SPF #2 GRADE STUDS (OR BETTER)  
 • 2x6 WALL: USE SPF STUD GRADE STUDS (OR BETTER)

Labels: 2 1/2"x0.131" NAIL @ 6" O.C. IN ALL PANEL EDGES NOT PART OF PORTAL FRAME, 3/4"x0.148" NAIL AT 12" O.C., PORTAL FRAME WALL SEGMENT, PLAN VIEW OF CORNER DETAIL, ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT: 1) 1/2" DIA. THREADED ROD EPOXY SET W/ 4 1/2" EMBED. (MIN) UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL)

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

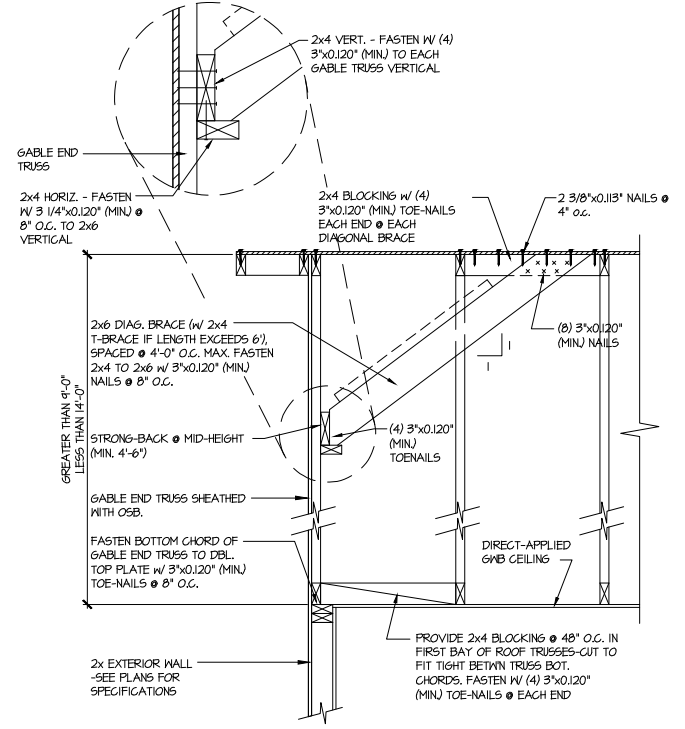
**TOBACCO**  
 Lot 172





**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.

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.

**MULHERN+KULP**  
 RESIDENTIAL STRUCTURAL ENGINEERING  
 3025 Bluechick Parkway, Suite 105 - Alpharetta, GA 30022  
 770-777-4874 - mulhern+kulp.com  
 NC License # C-3825

Mulhern+Kulp project number:  
 256-21009

project mgr: SMK  
 drawn by: MJF  
 issue date: 10-26-2021

REVISIONS:

date:	initial:
11/22/21	JFP
08/18/23	MMD
STRAP, PORTAL FRAME, GARAGE EXT. WALLS	

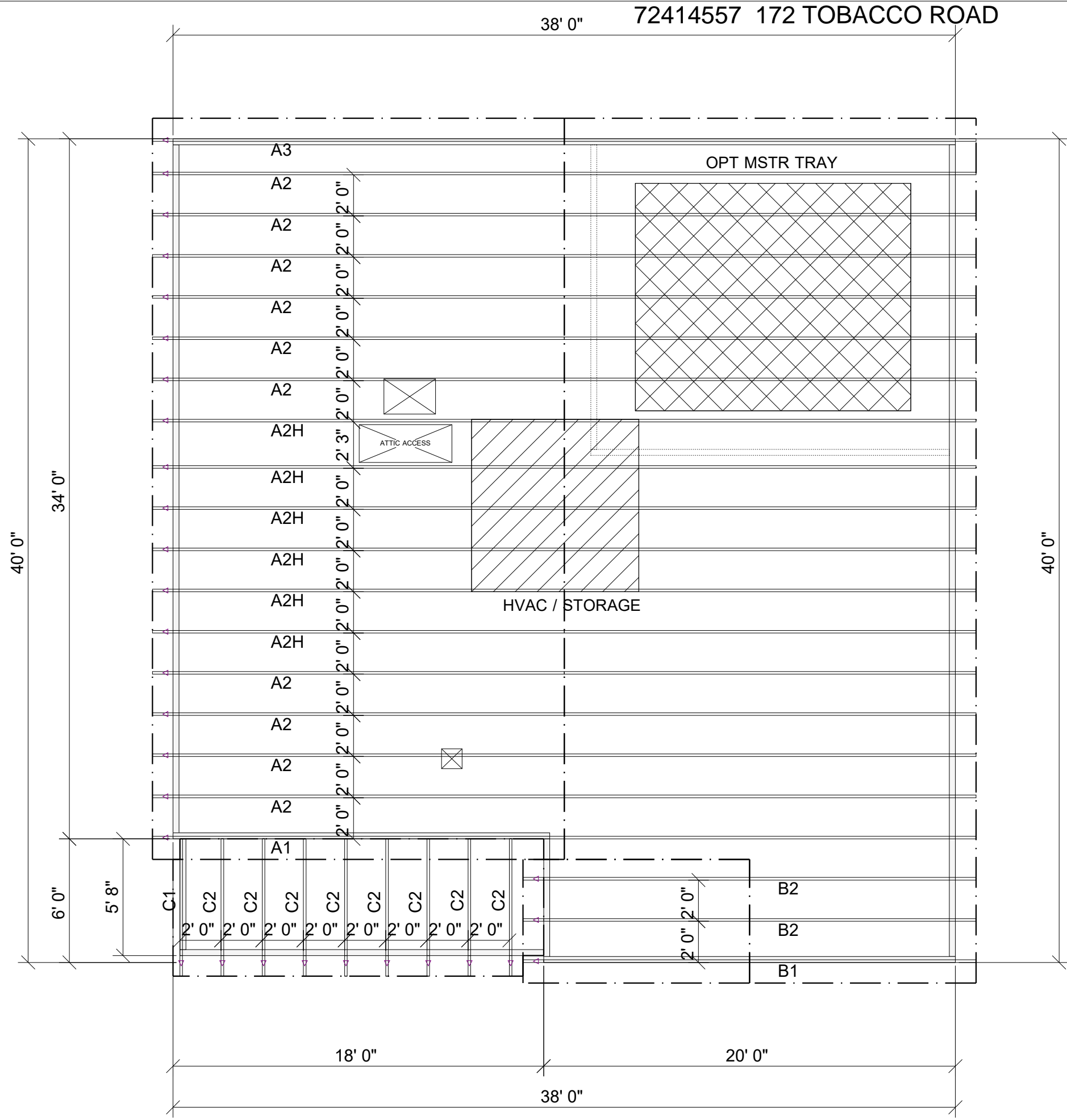
SMITH DOUGLAS  
 HOMES

FRAMING DETAILS  
 MCGINNIS MODEL  
 120 MPH WIND ZONE  
 NORTH CAROLINA

TOBACCO  
 Lot 172

sheet:  
**SD2.1**

TRUSS TO WALL CONNECTIONS, IF SHOWN, ARE FOR UPLIFT ONLY AND DO NOT CONSIDER LATERAL LOADS. ALL CONNECTORS ON THIS PROJECT ARE TO BE INSTALLED PER THE CONNECTOR MANUFACTURER'S SPECIFICATIONS. ALL CONNECTORS SHOWN THAT ARE NOT "TRUSS TO TRUSS" ARE SUGGESTIONS ONLY AND ARE TO BE VERIFIED BY THE BUILDING DESIGNER OR ENGINEER OF RECORD FOR SUITABILITY TO THIS PARTICULAR PROJECT. UFP MID-ATLANTIC, LLC. ACCEPTS NO RESPONSIBILITY FOR THE SPECIFIC APPLICATION OR SUITABILITY OF ANY CONNECTOR THAT IS NOT "TRUSS TO TRUSS" AS THEY APPLY TO THIS SPECIFIC STRUCTURE.



MCGINNIS BEH

ROOF AREA: 1943.52 ft<sup>2</sup> RIDGE LINE: 42 ft VALLEY LINES: 0 HIP LINES: 0 Indicates Left End of Truss

Customer  
**SMITH DOUGLAS**

Job Name  
**MCGINNIS**

Date: 3-3-21  
Scale: NTS  
Revision Date 1:  
Revision Date 2:

Quality Products for Quality Builders



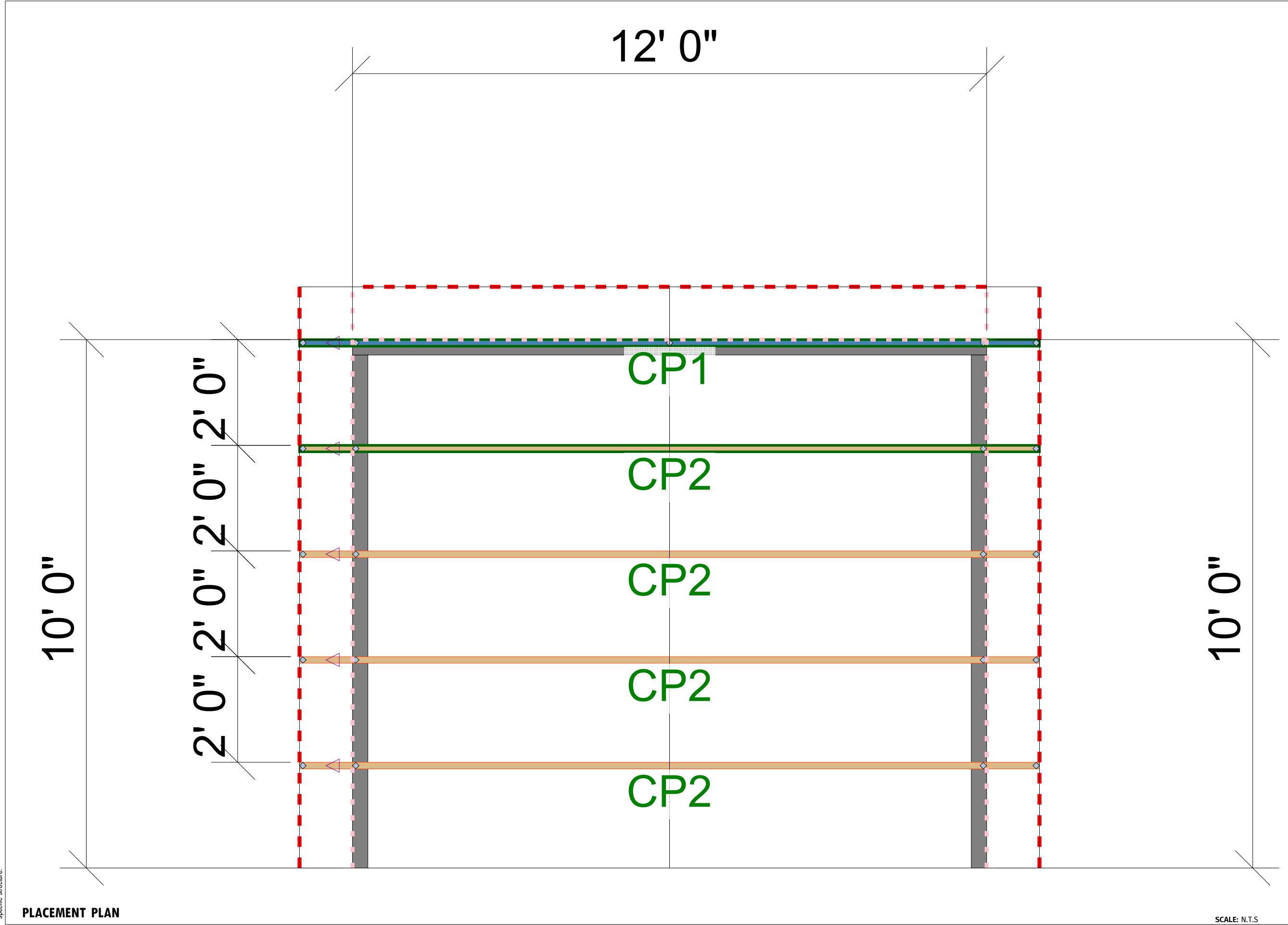
**UFP MID-ATLANTIC, LLC**  
A UFP INDUSTRIES COMPANY

BURLINGTON, NC	PHONE (800) 476-9356
CHESAPEAKE, VA	PHONE (800) 476-3190
CLINTON, NC	PHONE (810) 590-3220
CONWAY, SC	PHONE (800) 397-9572
JEFFERSON, GA	PHONE (800) 648-4038
LOCUST, NC	PHONE (704) 888-0920
LIBERTY, NC	PHONE (800) 648-4038
OOLETWAH, TN	PHONE (641) 497-0056
PEARISBURG, VA	PHONE (800) 397-9571

NOTES: THIS DRAWING IS THE PROPERTY OF UFP MID-ATLANTIC, LLC AND IS NOT TO BE USED FOR ANY PURPOSE DETRIMENTAL TO THE INTEREST OF UFP MID-ATLANTIC, LLC. THIS DRAWING MUST BE USED IN CONJUNCTION WITH ALL OTHER TECHNICAL DRAWINGS SUPPLIED BY UFP MID-ATLANTIC, LLC AND "BRACING WOOD TRUSS COMMENTARY AND RECOMMENDATIONS" AS PUBLISHED BY THE TRUSS PLATE INSTITUTE FOR INDUSTRY STANDARDS IN ERECTING TRUSSES. (TFI) IS LOCATED AT 583 DONOFRIO DR. SUITE 200 MADISON, WI 53719 (608) 833-5900

1. TEMPORARY BRACING TO BE INSTALLED w/T.P.I. STANDARD BCS-B1.
2. SEE ENGINEERED DRAWING FOR PERMANENT BRACING MINIMUM REQUIREMENTS.
3. FRAMER TO VERIFY ALL DIMENSIONS, DROP, & RISE LOCATIONS PRIOR TO TRUSS PLACEMENT.
4. BLDR/FRAMER RESPONSIBLE FOR ADJUSTMENT OF TRUSS SPACING TO MISS PLUMBING DROPS, UNLESS NOTED OTHERWISE.
5. THIS LAYOUT IS NOT AN ENGINEERED DRAWING. THIS DRAWING WAS CREATED TO ESTABLISH TRUSS PLACEMENT ONLY. IT IS THE RESPONSIBILITY OF THE BUILDER TO PROVIDE ADEQUATE SUPPORT FOR ALL THE ELEMENTS SHOWN IN THIS DRAWING.

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



PLACEMENT PLAN

SCALE: N.T.S

REVISIONS		DSN
DATE	DESCRIPTION	
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

DESIGNER JNN  
 LAYOUT DATE 3/2/22  
 ARCH DATE -  
 STRUC DATE -  
 JOB #: MASTER

MCGINNIS 10X12 PORCH

Smith Douglas

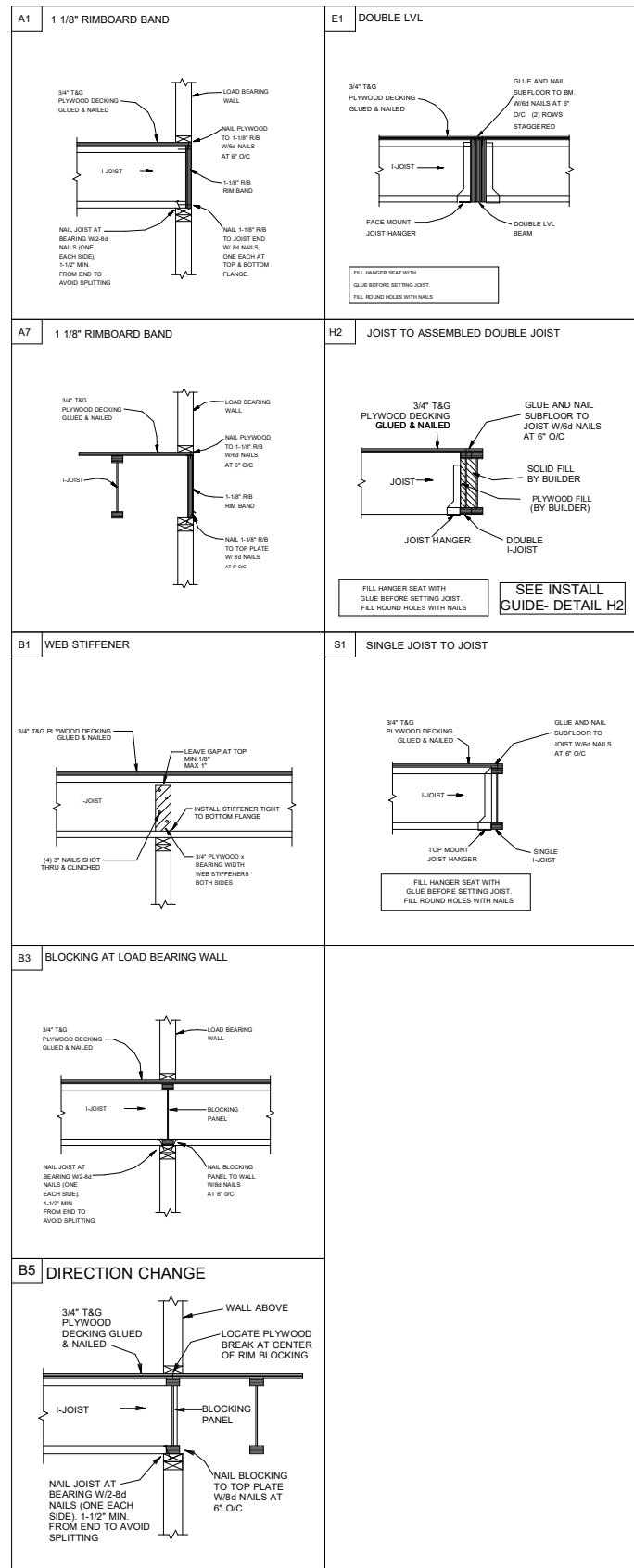
This drawing is property of UFP Site Built, LLC. Any unauthorized use of this document without written permission is prohibited. UFP relinquishes ownership of delivered product upon delivery. Owner of product must obtain UFP's authorization prior to any alteration or modification of product. UFP will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



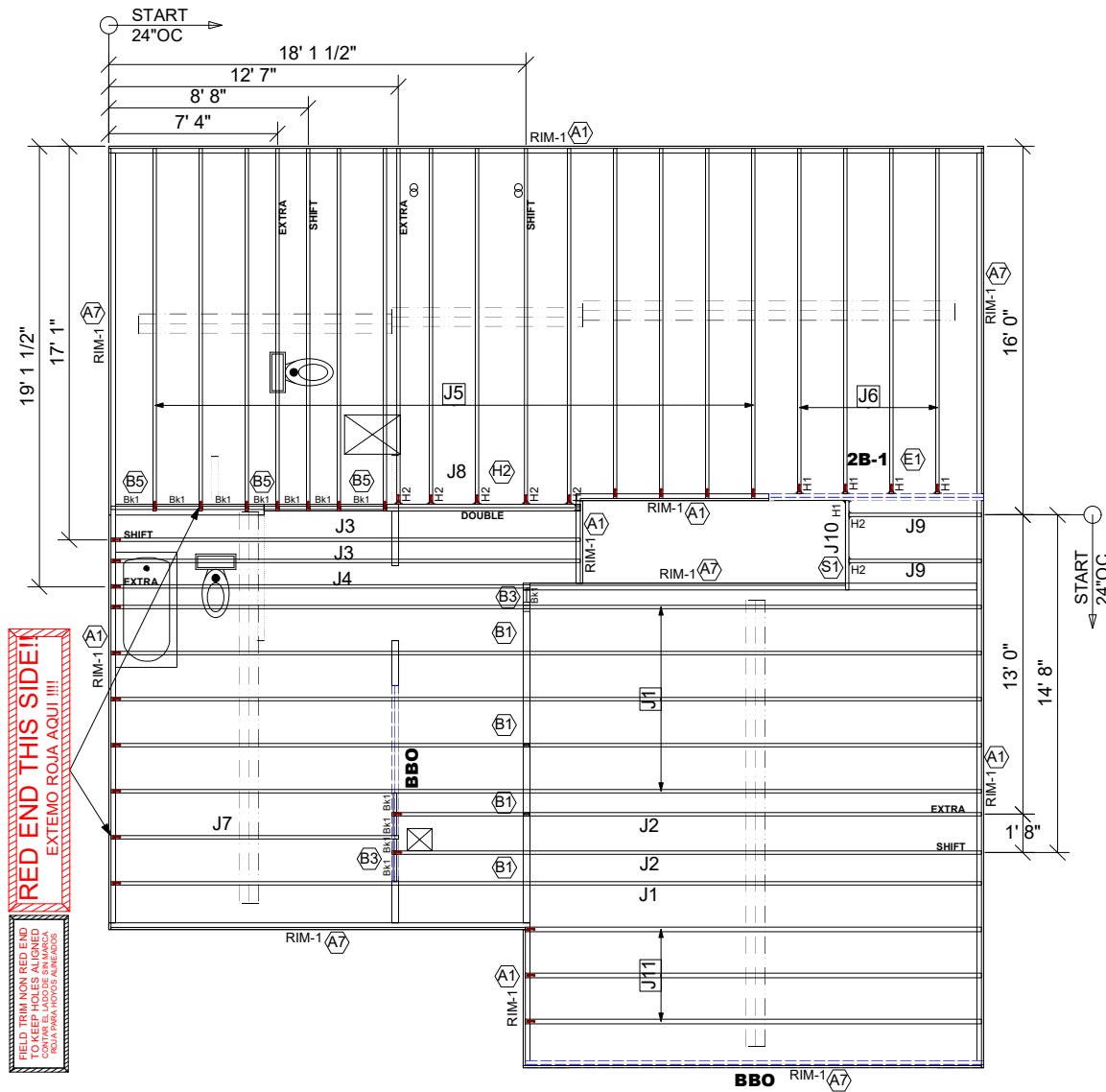
**UFP SITE BUILT**  
 A UFP INDUSTRIES COMPANY  
 Burlington, NC Locust, NC  
 Chesapeake, VA Liberty, NC  
 Clinton, NC Ooltewah, TN  
 Conway, SC Pearisburg, VA  
 Jefferson, GA Stanfield, NC  
 Customer Service (800) 476-9356



THIS IS AN ENGINEERED WOOD PRODUCT (EWP) MEMBER PLACEMENT DIAGRAM ONLY; NOT AN ENGINEERED DOCUMENT. EWP members are designed as individual building components to be incorporated into the building design at the specification of the building designer. The Contractor is responsible for the temporary bracing of the floor system, and the building designer is responsible for the permanent bracing and blocking of the floor system and the overall structure. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. It is the responsibility of the General Contractor to verify that the provided layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to notify UFP and provide plans containing the latest specifications and designs. UFP will not be responsible for plan changes by others after final approval of shop drawings, or for errors or modifications made on-site during construction. DO NOT CUT, NOTCH, DRILL, OR OTHERWISE "REPAIR" EWP MEMBERS IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION BY A LICENSED PROFESSIONAL DESIGNATED BY UFP. The Framing is responsible to verify all dimensions, including adjusting member spacing within tolerances to allow for the drop and rise of plumbing/HVAC, unless noted otherwise. All connectors on this project are to be installed per the connector manufacturer's specifications. All connectors shown that are not joist to joist are suggestions only and are to be verified by the Building Designer or Engineer of Record for suitability to this particular project. UFP accepts no responsibility for the specific application or suitability of any connector that is not joist to joist as they apply to this specific structure.



2ND FLOOR PLACEMENT PLAN



Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
J1	38' 0"	14" TJI@ 110	1	6	MFD
J2	26' 0"	14" TJI@ 110	1	2	MFD
J3	21' 0"	14" TJI@ 110	1	2	MFD
J4	19' 0"	14" TJI@ 110	1	1	MFD
J5	16' 0"	14" TJI@ 110	1	16	MFD
J6	15' 0"	14" TJI@ 110	1	4	MFD
J7	13' 0"	14" TJI@ 110	1	1	MFD
J8	9' 0"	14" TJI@ 110	2	2	FF
J9	6' 0"	14" TJI@ 110	1	2	MFD
J10	4' 0"	14" TJI@ 110	1	1	MFD
J11	20' 0"	14" TJI@ 360	1	3	MFD
2B-1	10' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD
RIM-1	16' 0"	1 1/8" x 14" TJI@ Rim Board	1	12	MFD
Bk1	2' 0"	14" TJI@ 110	1	12	MFD

Connector Summary			
PlotID	Qty	Manuf	Product
H1	5	MiTek	IHFL1714
H2	7	MiTek	TFL1714

GENERAL NOTES:

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

FRAMER NOTE

--- DENOTES DUCT HOLE RUNS

ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED

- Avoid Plumbing Drops

FRAMER NOTE

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

CRITICAL !!

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

PLAN LEGEND

- 1B-, 2B-** INDICATES BEAM ABOVE TOP PLATE (FLUSH WITH FLOOR SYSTEM)
- H-, 1H-, GDH-** INDICATES BEAM BELOW TOP PLATE (DROPPED BELOW FLOOR SYSTEM)
- \*BEAMS MAY PROTRUDE ABOVE OR BELOW DECKING OR TOP PLATE RESPECTIVELY, REFER TO DETAIL IF BEAM IS A DIFFERENT DEPTH THAN FLOOR SYSTEM
- SHIFT** SHIFT JOIST TO MISS PLUMBING, ALIGN WITH WALL OR SUPPORT FURNITURE
- EXTRA** A JOIST ADDED TO THE LAYOUT IN ADDITION TO THE ON CENTER JOISTS
- DOUBLE** TWO JOISTS SIDE BY SIDE (ONLY ASSEMBLED IF NOTED)

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

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

LAYOUT FOR 19.2" O/C

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

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

SCALE: 1/8"=1'

**UFP SITE BUILT**  
A UFP INDUSTRIES COMPANY

Burlington, NC  
Chesapeake, VA  
Clinton, NC  
Conway, SC  
Jefferson, GA  
Locust, NC  
Liberty, NC  
Ooltewah, TN  
Pearisburg, VA  
Stanfield, NC

Customer Service (800) 476-9356



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.

**Smith Douglas Homes**

**McGinnis 2nd Floor**

REVISIONS	DATE	DESCRIPTION	DSN

DESIGNER PB2  
LAYOUT DATE 5/6/2024  
ARCH DATE 9/27/2023  
STRUC DATE 8/18/2023  
JOB #: 24050341F2