

# McGINNIS

DUNCANS CROSSING  
LOT 37



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
A4.1	BASEMENT FOUNDATIONS
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A5.2	SECOND FLOOR PLANS
A6.1	ROOF PLANS
A7.1-A7.3	ELECTRICAL PLANS
A8.1	TRIM LOCATION LAYOUT

## AREA TABULATION

FIRST FLOOR	1001
SECOND FLOOR	1371
TOTAL	2372
UNFINISHED BASEMENT	1028
GARAGE	410
FRONT PORCH (COVERED)	108
B&C MASSINGS	9
REAR PAD	120

## 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

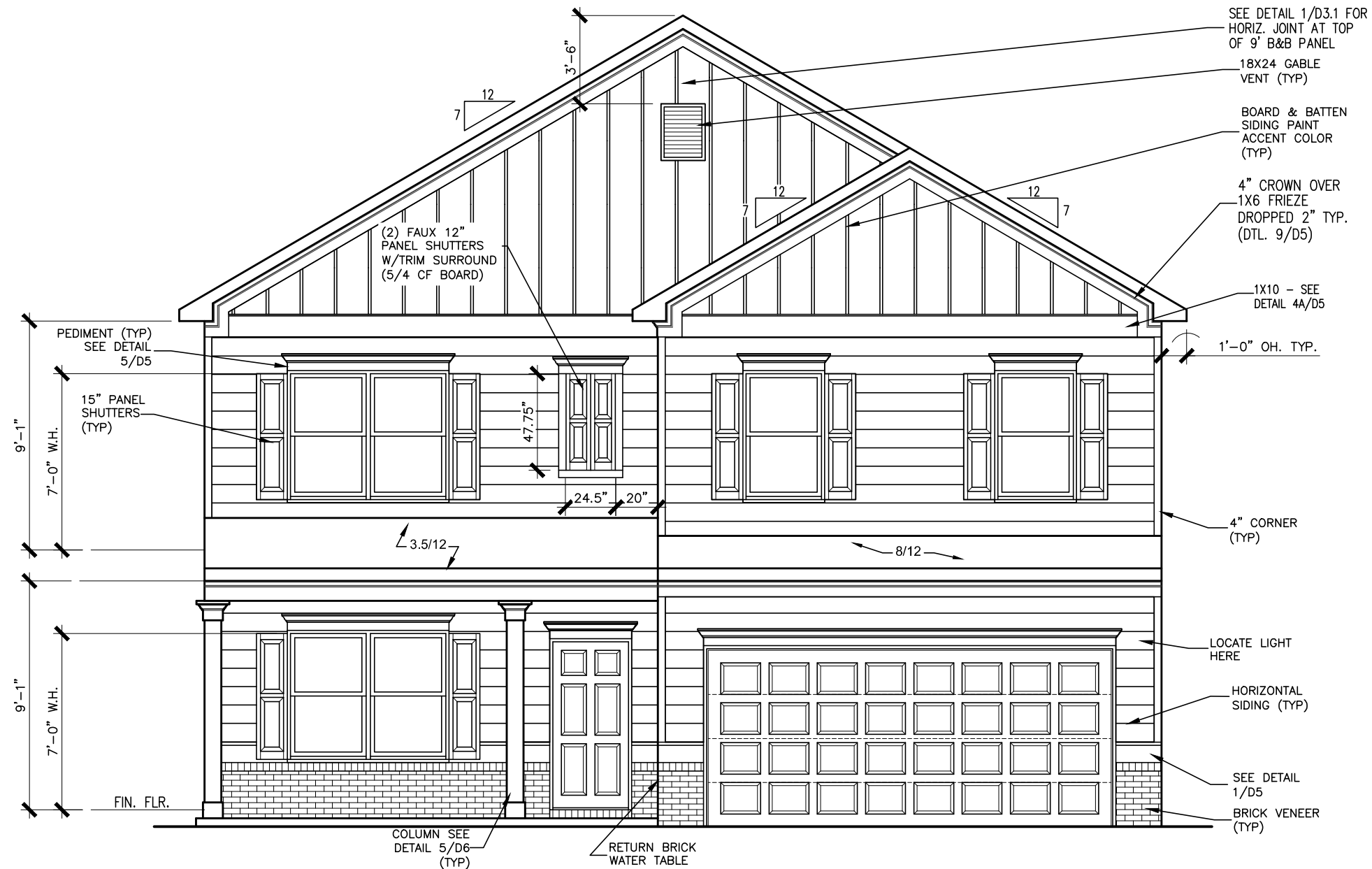
## GOVERNMENTAL CODES & STANDARDS

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

# DUNCANS CROSSING LOT 37



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

- SEE DETAIL 1/D3.1 FOR HORIZ. JOINT AT TOP OF 9' B&B PANEL
- 18X24 GABLE VENT (TYP)
- BOARD & BATTEN SIDING PAINT ACCENT COLOR (TYP)
- 4" CROWN OVER 1X6 FRIEZE DROPPED 2" TYP. (DTL. 9/D5)
- 1X10 - SEE DETAIL 4A/D5
- 1'-0" OH. TYP.
- 4" CORNER (TYP)
- LOCATE LIGHT HERE
- HORIZONTAL SIDING (TYP)
- SEE DETAIL 1/D5
- BRICK VENEER (TYP)

- PEDIMENT (TYP) SEE DETAIL 5/D5
- 15" PANEL SHUTTERS (TYP)
- 9'-1" W.H.
- 7'-0" W.H.
- 9'-1" W.H.
- 7'-0" W.H.
- FIN. FLR.

BY	REVISION	DATE



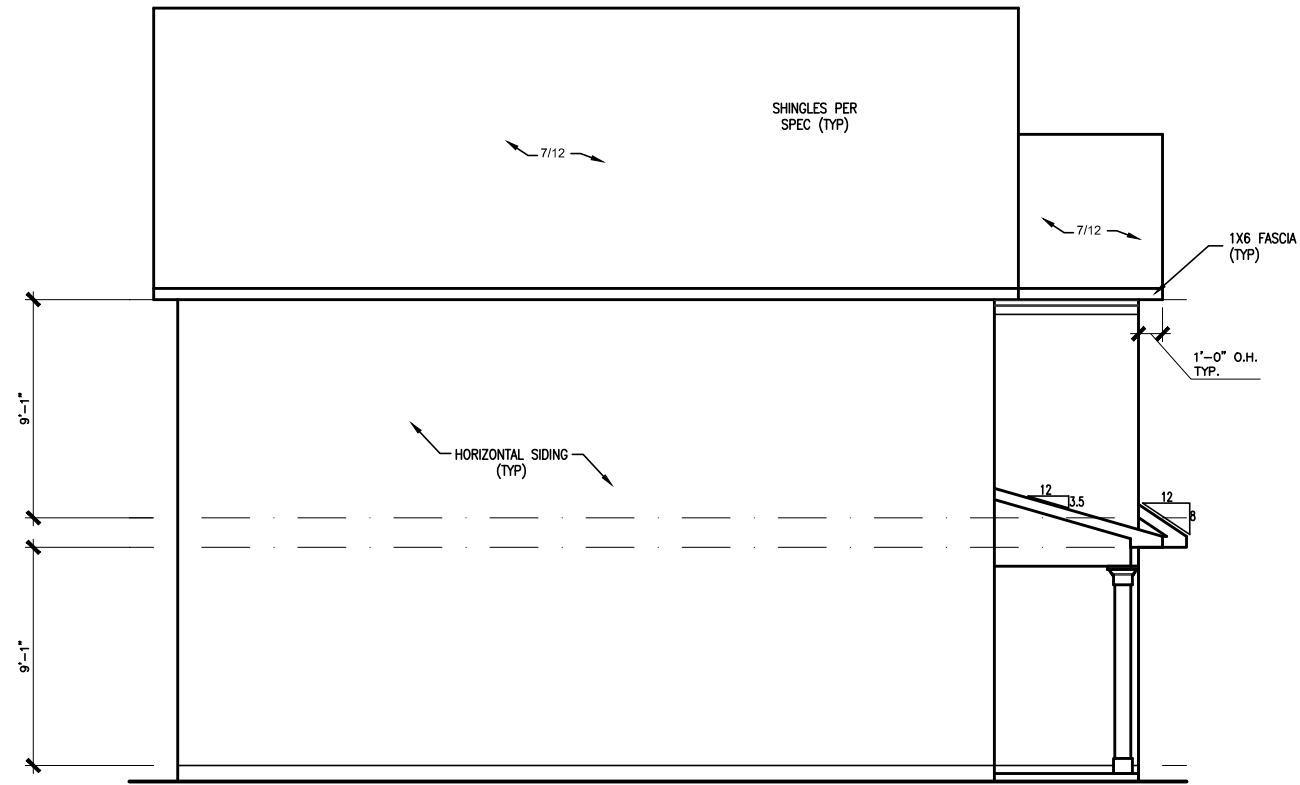
ELEVATIONS  
FRONT ELEVATION  
MCGINNIS

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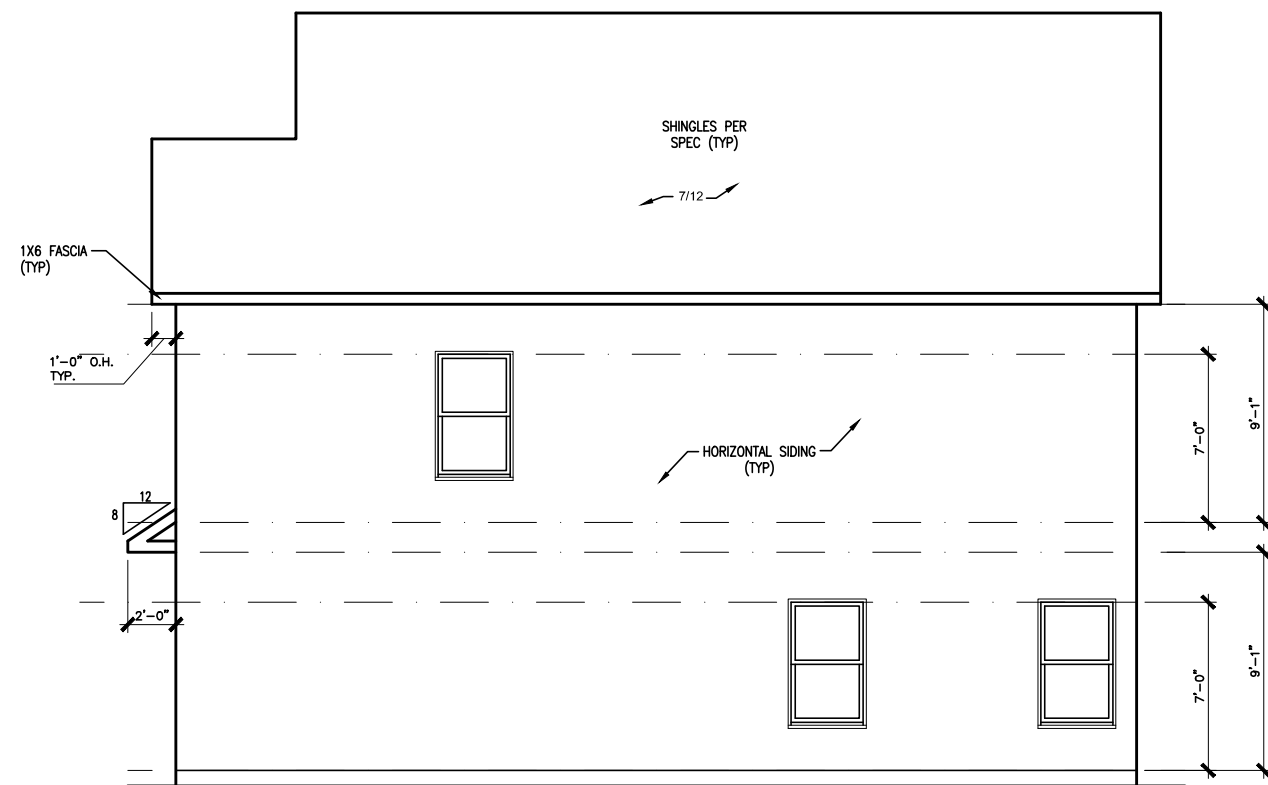
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DATE: 9/27/2023	
FACADE OPT: B	
PLAN ID:	
FND: ALL	ELEV: B
PAGE NO: A1.1	

# DUNCANS CROSSING LOT 37



LEFT ELEVATION "B"

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



RIGHT ELEVATION "B"

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



REAR ELEVATION

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

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DATE						



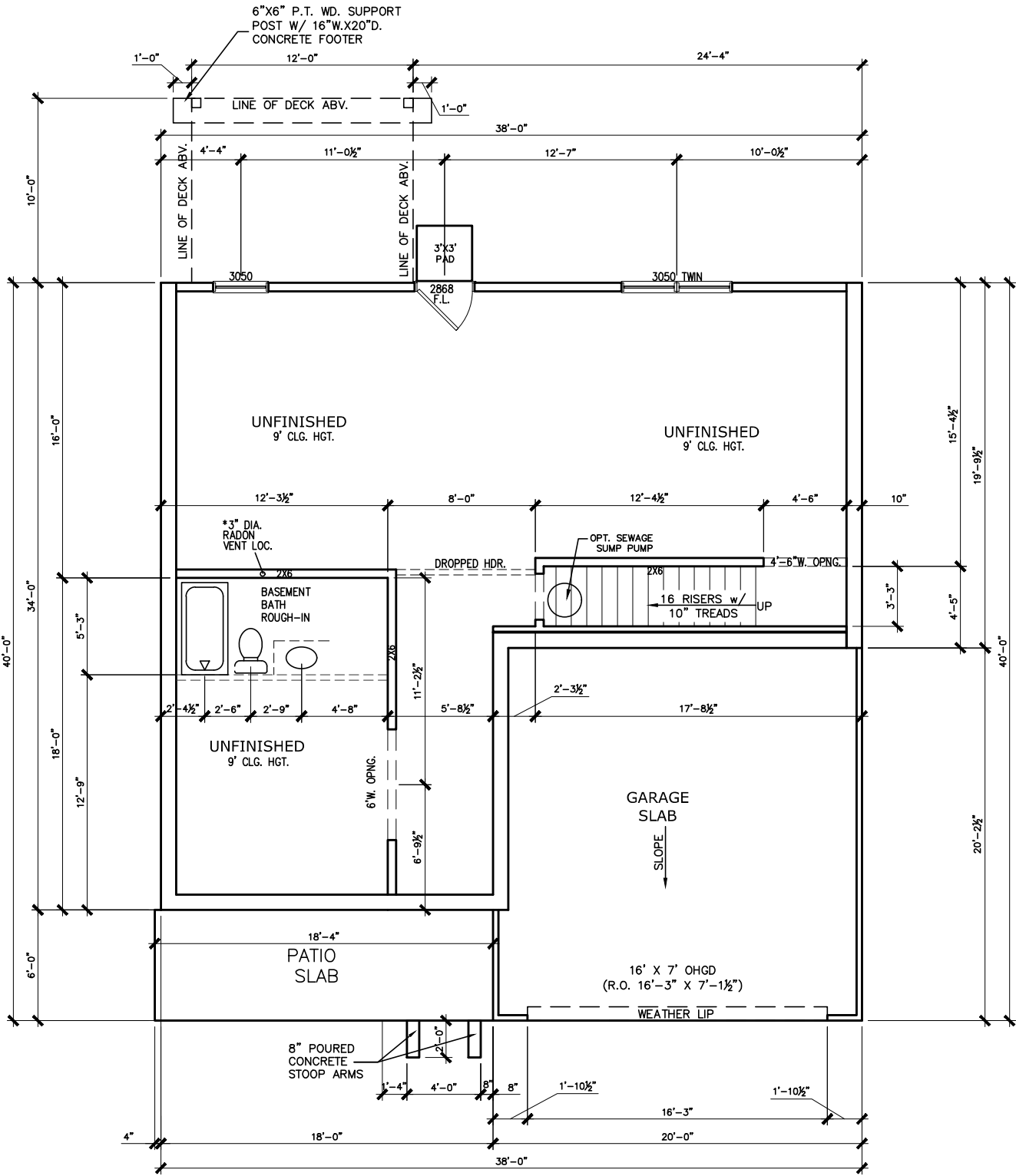
ELEVATIONS  
SIDES AND REAR  
MCGINNIS

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# DUNCANS CROSSING LOT 37



UNFINISHED BASEMENT FLOOR PLAN

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

\*RADON VENT PROVIDED PER LOCAL CODE  
REFER TO DETAIL 5/D2 FOR BRICK LEDGE DETAIL WHEN BRICK VENEER IS CHOSEN

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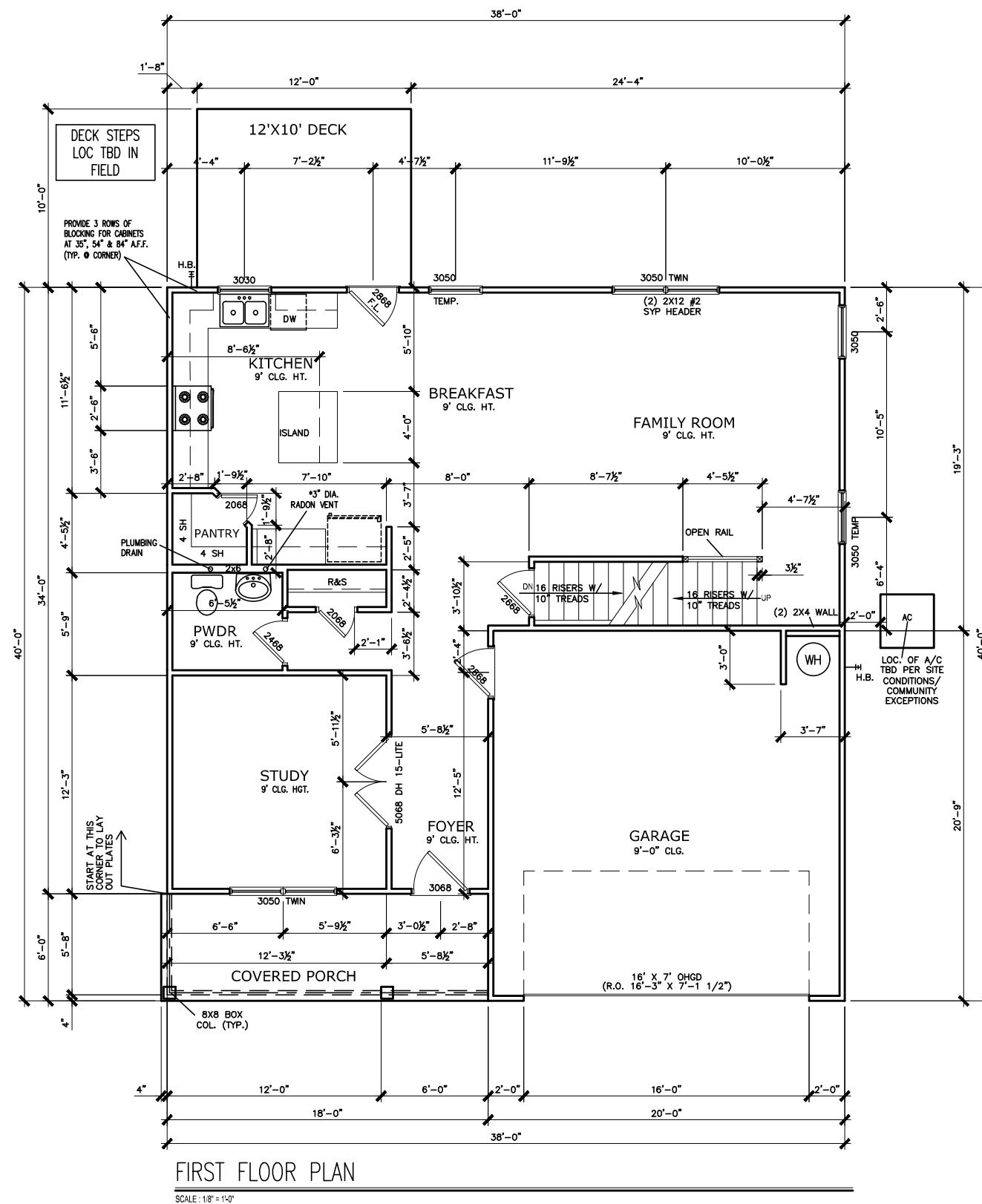
FOUNDATION PLAN  
BASEMENT PLAN  
MCGINNIS

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FND: ALL BLV: B  
PAGE NO: A4.1

# DUNCANS CROSSING LOT 37



FIRST FLOOR PLAN

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

\*RADON VENT PROVIDED  
PER LOCAL CODE

DATE	BY	REVISION



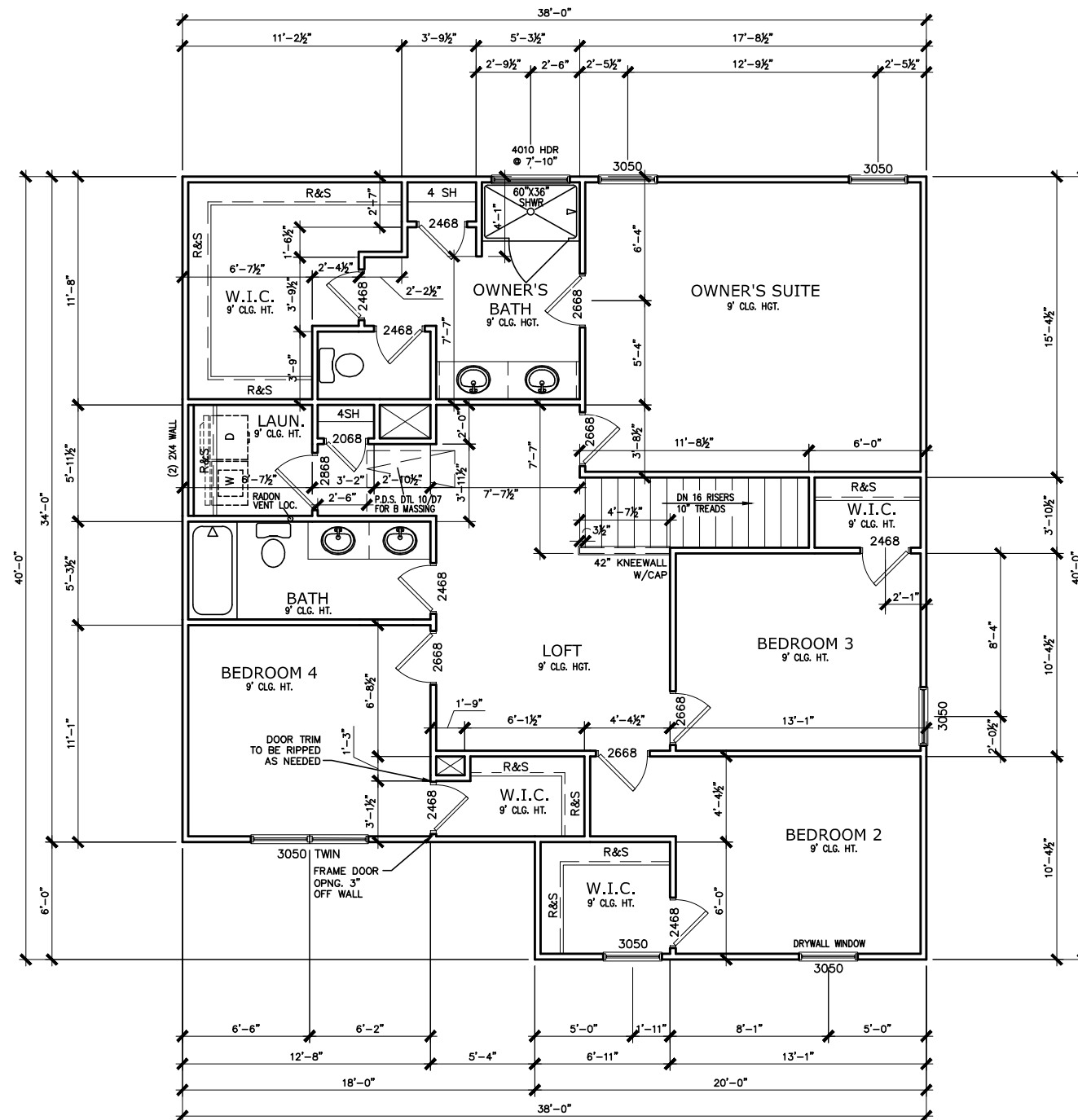
FLOOR PLAN  
FIRST FLOOR  
MCGINNIS

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# DUNCANS CROSSING LOT 37



SECOND FLOOR PLAN

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

\*RADON VENT PROVIDED PER LOCAL CODE

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

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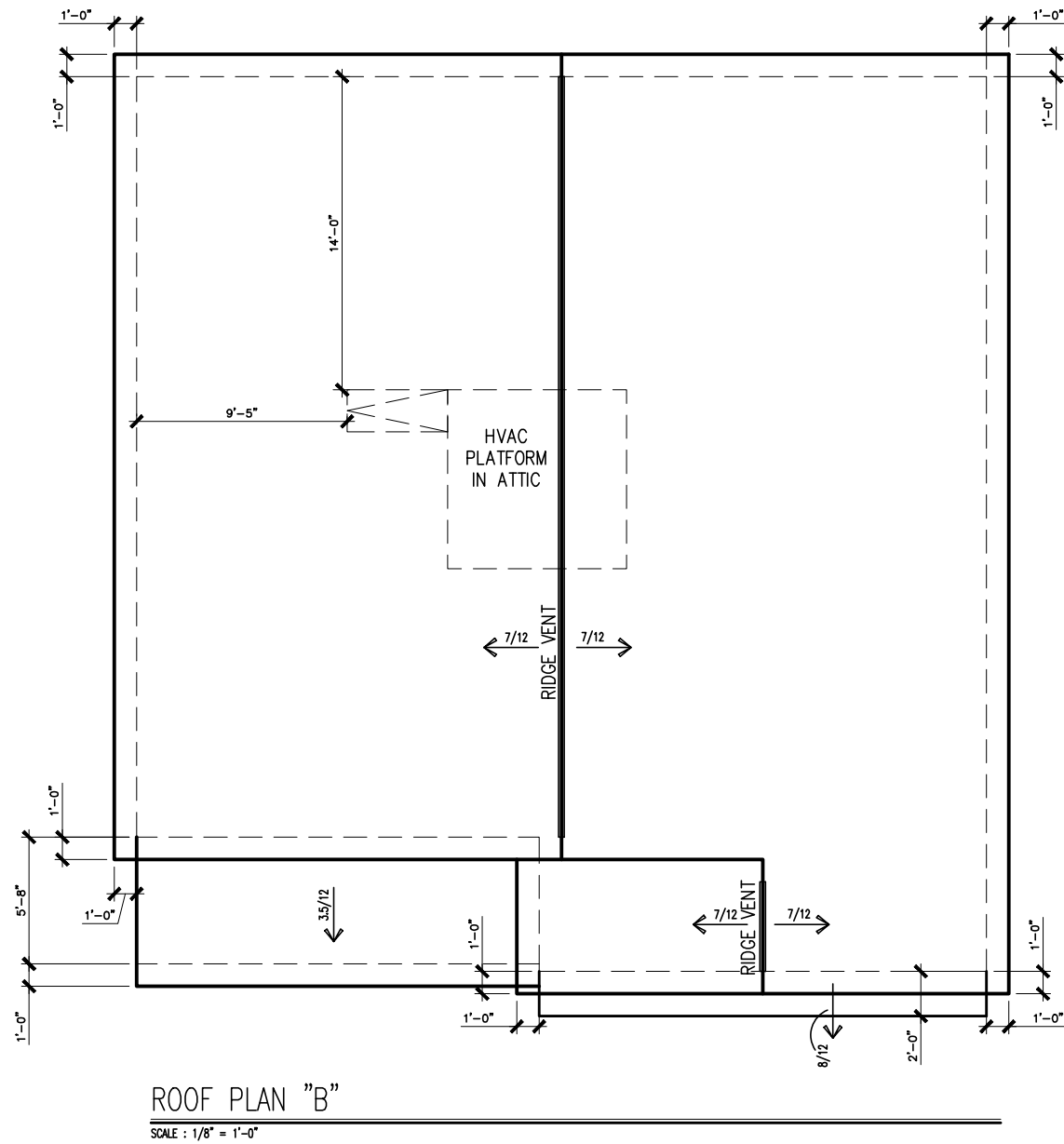
FLOOR PLANS  
SECOND FLOOR  
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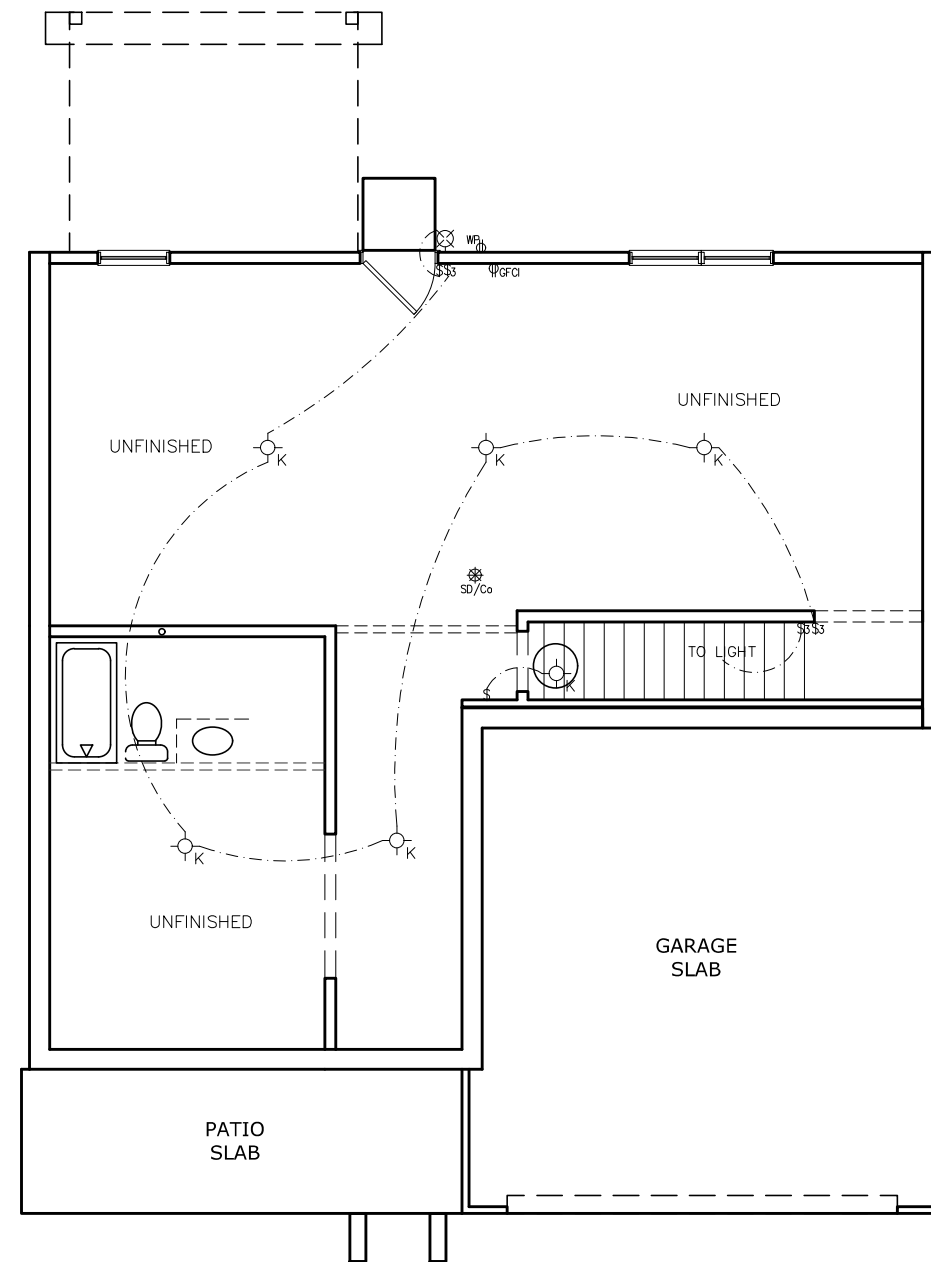
ROOF PLAN  
ROOF PLAN  
MCGINNIS

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# DUNCANS CROSSING LOT 37



UNFINISHED BASEMENT 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
⊕ <sub>K</sub>	KEYLESS	⊕ <sub>GFCI</sub>	GFCI OUTLET
⊗	WALL MOUNT FIXTURE	⊕ <sub>AFCI</sub>	ARCH FAULT CIRCUIT INTERRUPTER
○	CEILING FIXTURE	† <sub>GL</sub>	GAS LINE
●	FLEX CONDUIT	† <sub>WL</sub>	WATER LINE
CH	CHIMES	⊥	HOSE BIBB
PH	TELEPHONE	⊕	FLOOD LIGHT
SD/Cd	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

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

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ELECTRICAL PLAN  
BASEMENT  
MCGINNIS

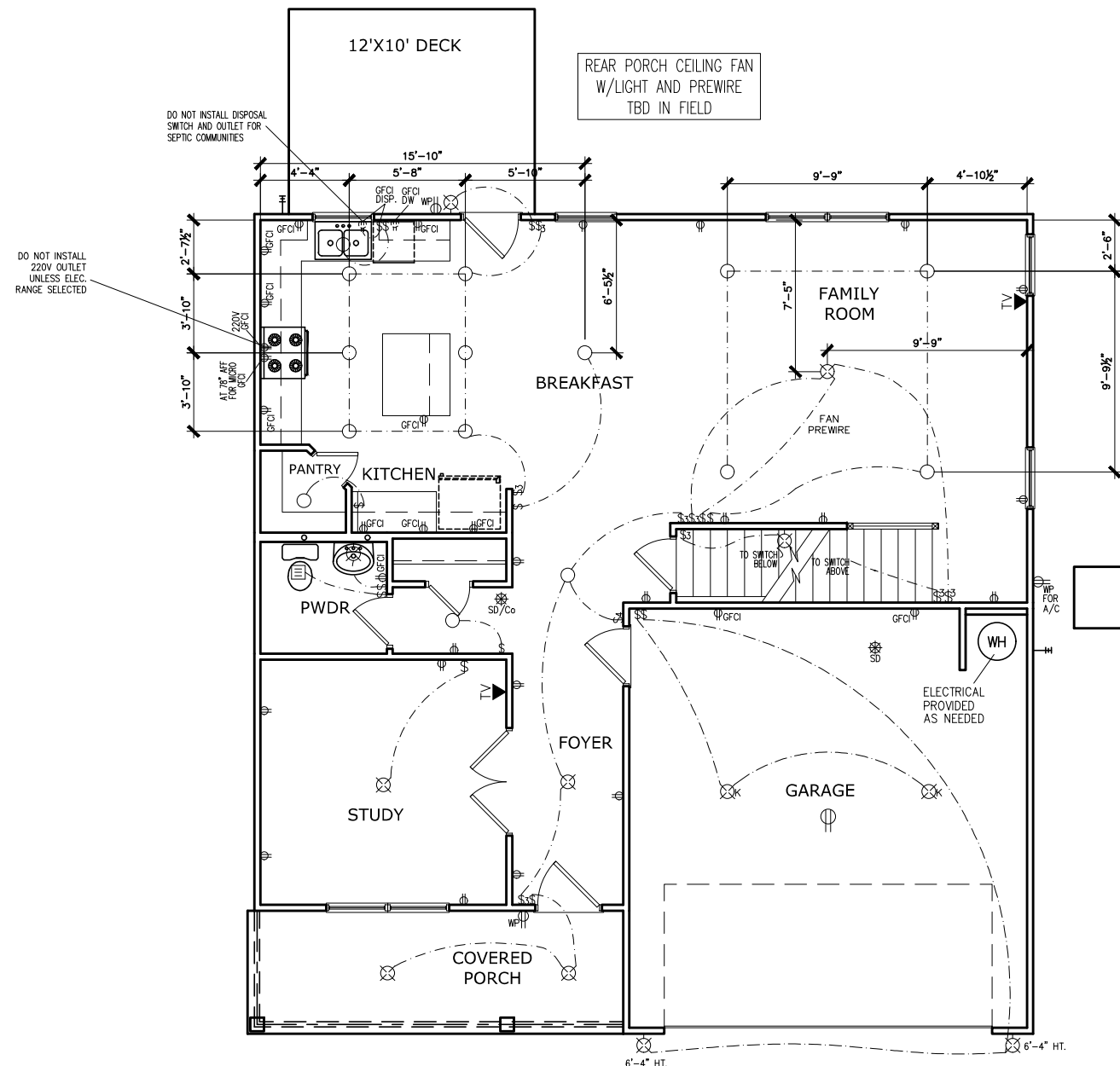
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# DUNCANS CROSSING LOT 37



FIRST FLOOR ELECTRICAL PLAN

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

## ELECTRICAL LEGEND

\$	SWITCH	TV	TV
\$3	3 WAY SWITCH	⊕	120V RECEPTACLE
\$4	4 WAY SWITCH	⊕	120V SWITCHED RECEPTACLE
⊗	CEILING FIXTURE	⊕	220V RECEPTACLE
⊕	KEYLESS	⊕	GFCI OUTLET
⊗	WALL MOUNT FIXTURE	⊕	ARCH FAULT CIRCUIT INTERRUPTER
○	CEILING FIXTURE	†	GAS LINE
●	FLEX CONDUIT	†	WATER LINE
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		

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

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DATE							



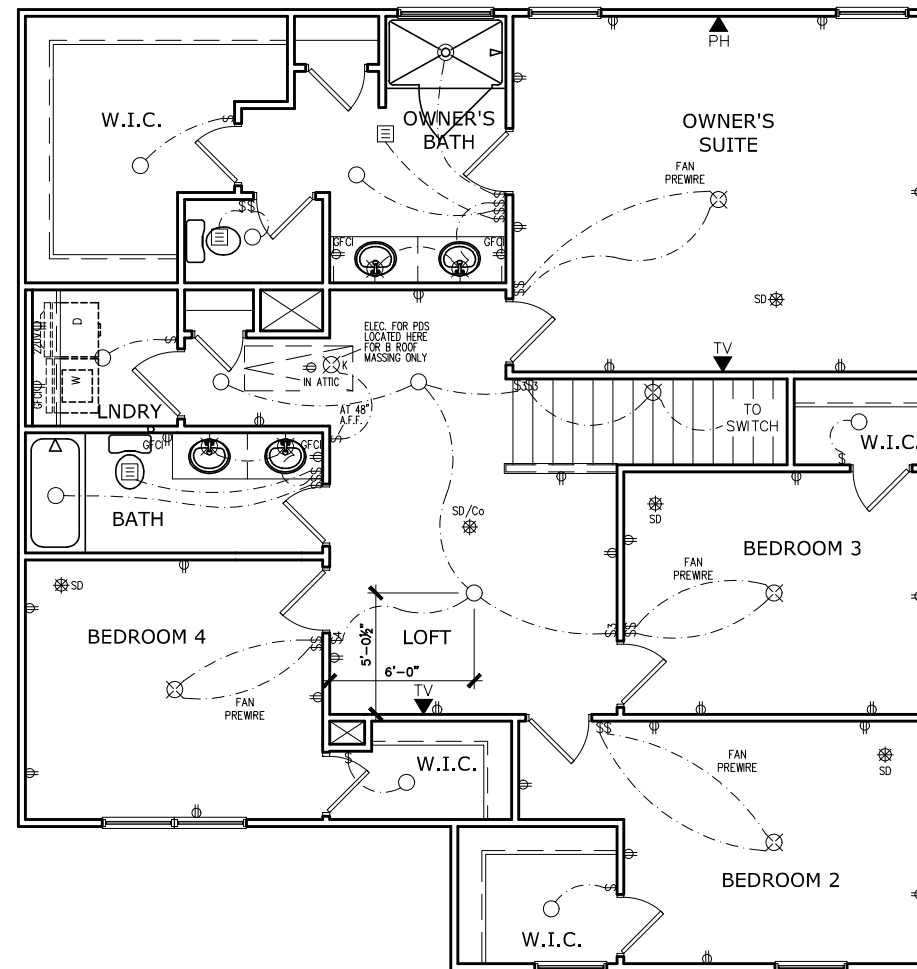
ELECTRICAL PLAN  
FIRST FLOOR  
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PAGE NO:	A7.2		

# DUNCANS CROSSING LOT 37



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

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

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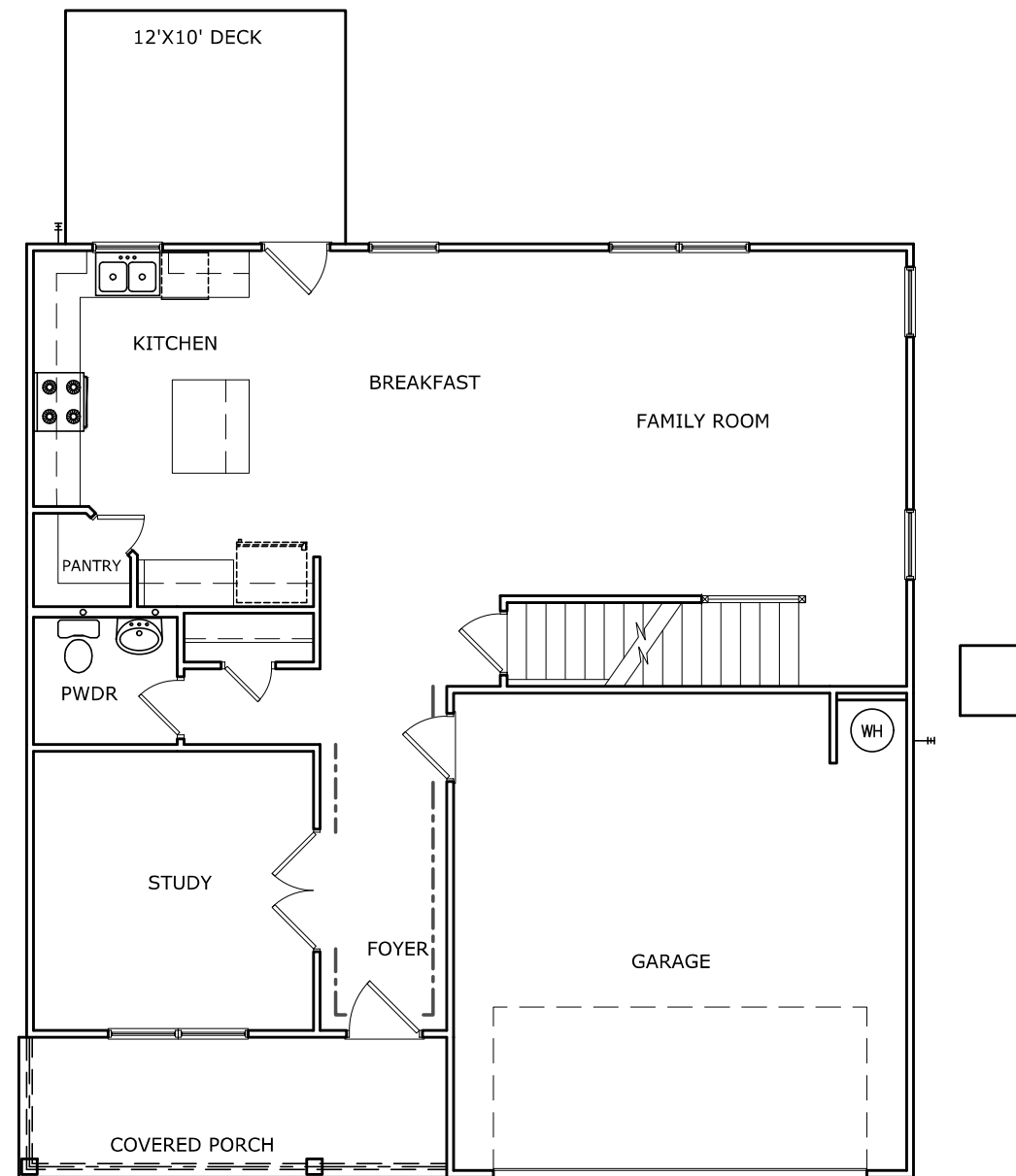
ELECTRICAL PLAN  
SECOND FLOOR  
MCGINNIS

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# DUNCANS CROSSING LOT 37



TRIM LAYOUT FIRST FLOOR PLAN

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

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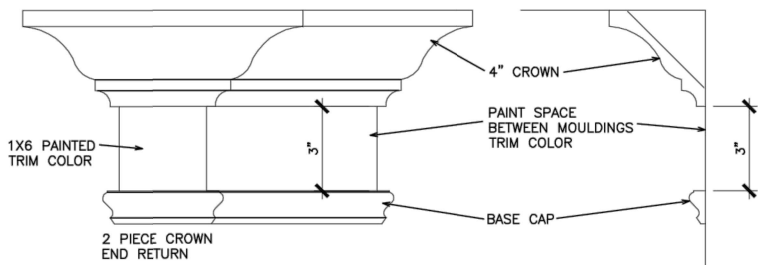
FLOOR PLAN  
TRIM LAYOUT  
MCGINNIS

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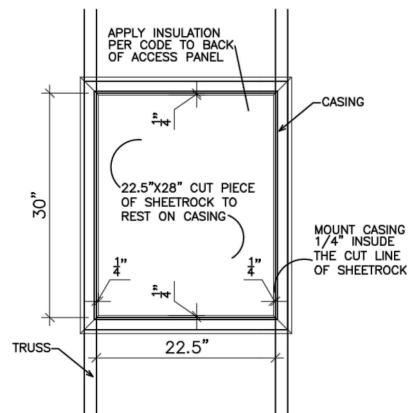
BY: SL	CH: AW
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PAGE NO: A8.1	

REFER TO LOT SPECIFIC PLAN TO DETERMINE WHICH DETAILS APPLY



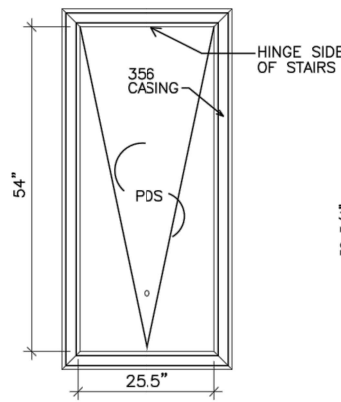
TYPICAL TWO PIECE CROWN

N.T.S.



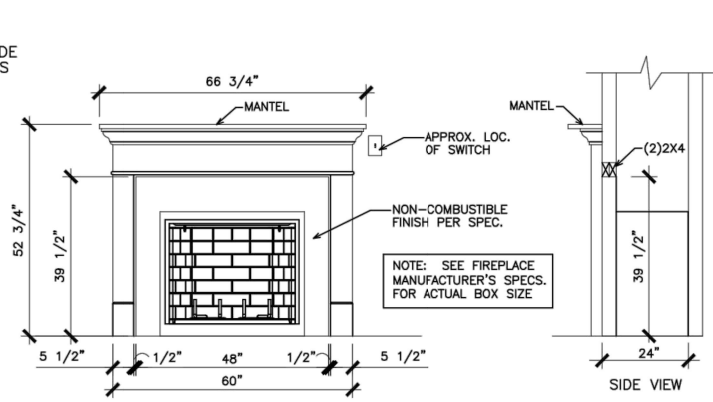
SCUTTLE HOLE DETAIL

N.T.S.



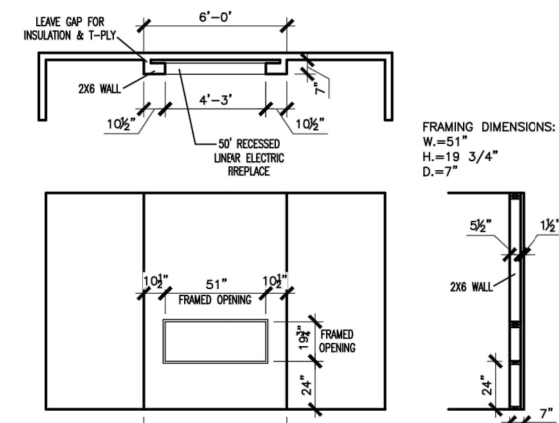
PDS TRIM DETAIL

N.T.S.



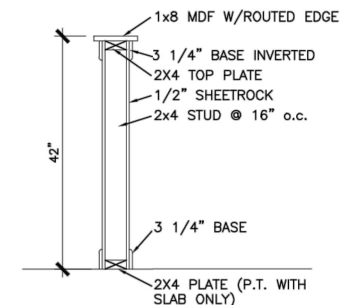
GAS/ELECTRIC FIREPLACE DETAIL WITH WESCOTT WOOD MANTEL

N.T.S.



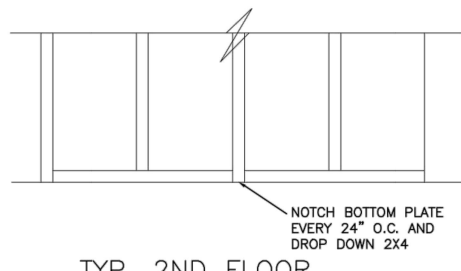
LINEAR ELECTRIC FIREPLACE DETAIL

N.T.S.



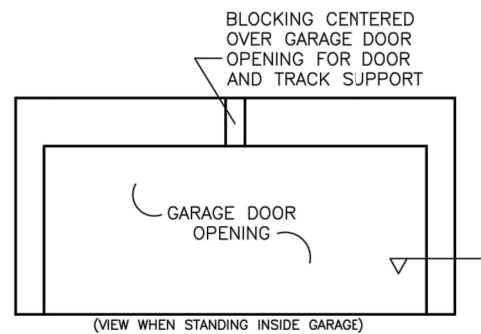
TYP. KNEEWALL SECTION

N.T.S.



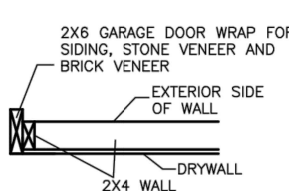
TYP. 2ND FLOOR KNEE WALL STABILITY

N.T.S.

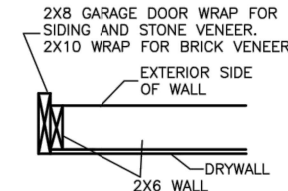


TYP. GARAGE WRAP & BLOCKING

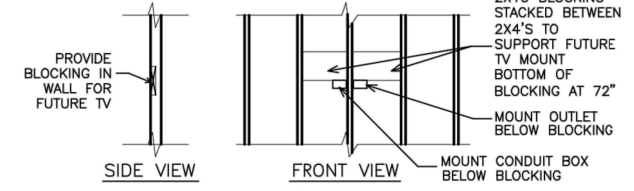
N.T.S.



SECTION VIEW 2X4 PORTAL WALL

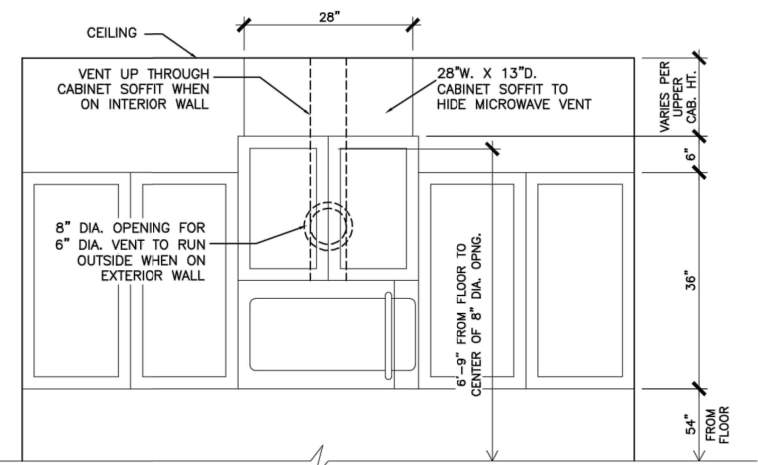


SECTION VIEWS 2X6 PORTAL WALL



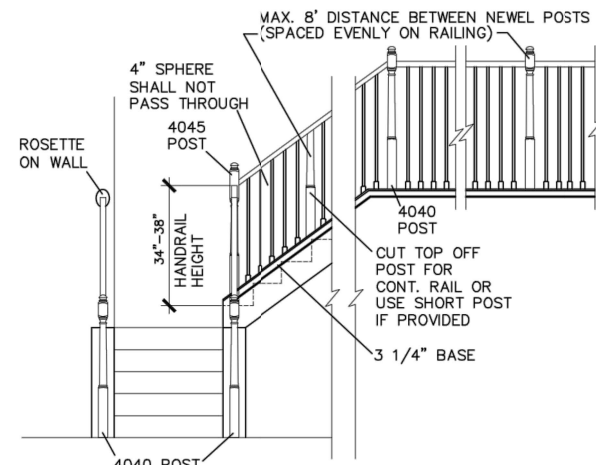
TYP. TV WALL PREP

N.T.S.



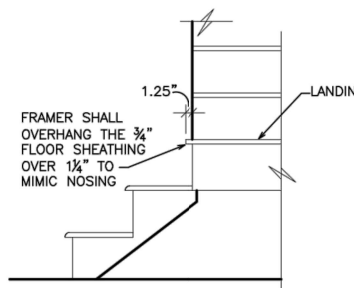
CABINET SOFFIT DETAIL ABOVE VENTED MICROWAVE W/CABINET ABOVE RANGE BUMPED UP & OUT

N.T.S.



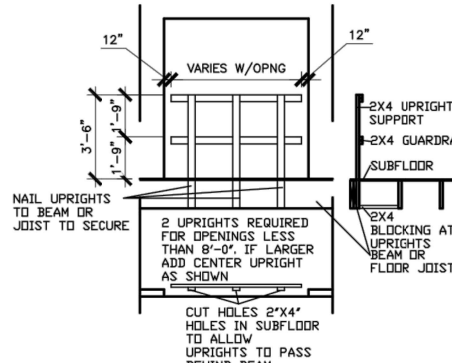
HANDRAIL/POST DETAIL @ STAIRS

N.T.S.



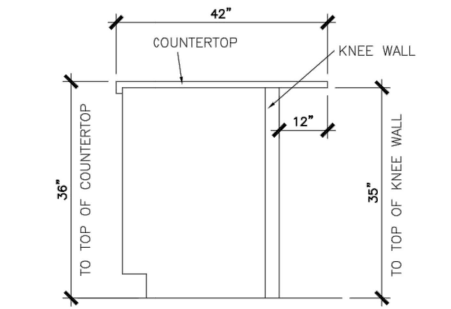
BOX STEP OVERHANG

N.T.S.



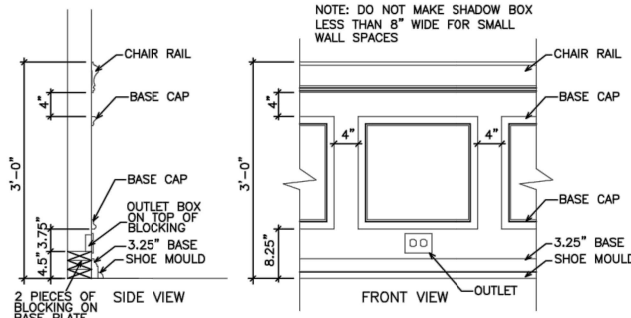
GUARD RAIL DTL. AS REQ'D

N.T.S.



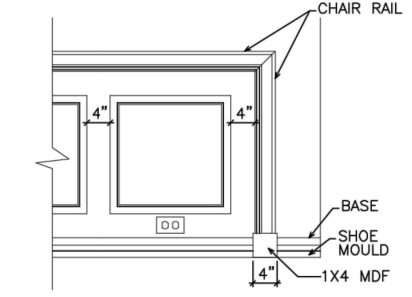
SECTION @ ISLAND KNEEWALL

N.T.S.



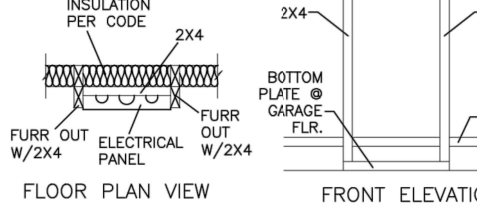
TYPICAL CHAIR RAIL & SHADOW BOX DETAIL

N.T.S.



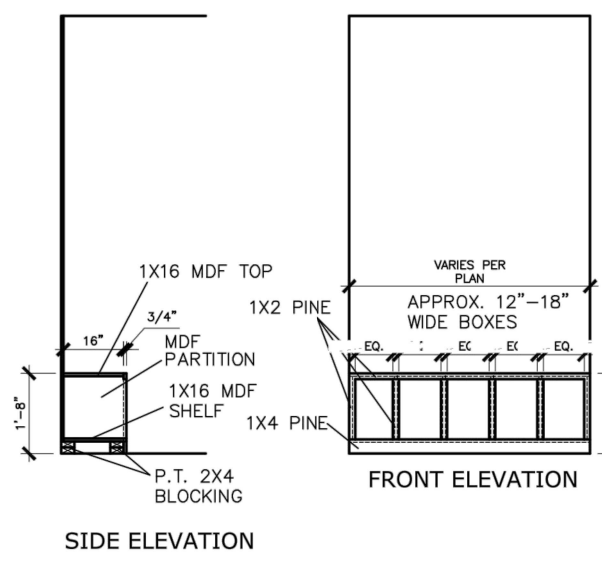
CHAIR RAIL END TRIM DETAIL

N.T.S.



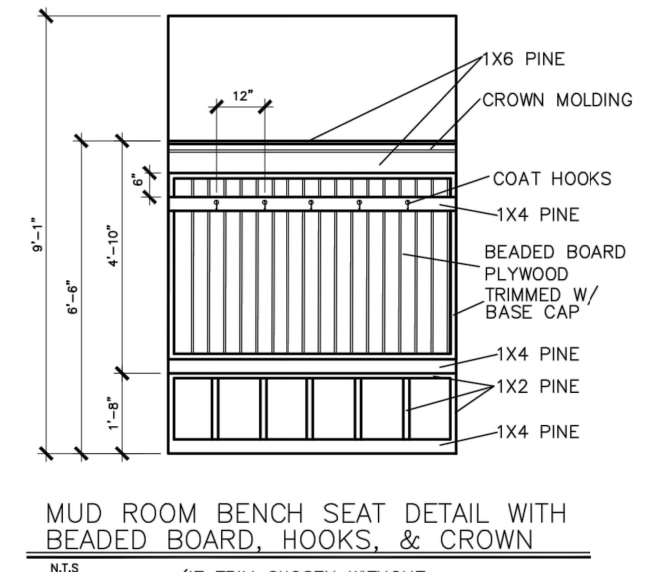
ELECTRICAL PANEL DETAIL

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)

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QUALITY | INTEGRITY | VALUE

INTERIOR TRIM  
DETAILS

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

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DATE:	6/13/23
PLAN ID:	
END:	
ELEV:	
PAGE NO.:	D1.1





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404-777-9974 - mulhern+kulp.com  
NC License # C-3825



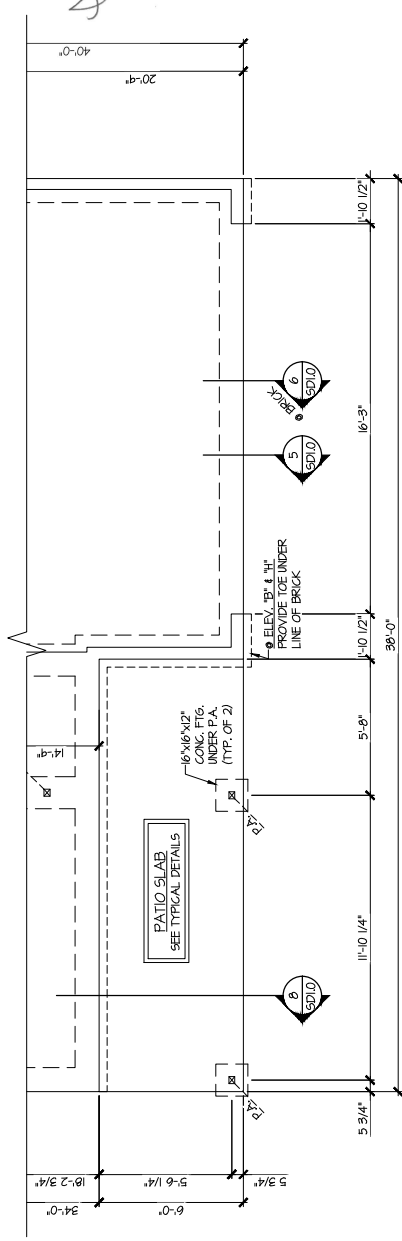
Mulhern+Kulp project number:  
**256-21009**  
project title: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**

REVISIONS:  
date: **11/22/21** initial: **JPP**  
**UNISSUED SLABS ADDED**  
date: **08/18/23** initial: **MND**  
**STRAY PORTAL FRAME GARAGE DET. REMOVED**

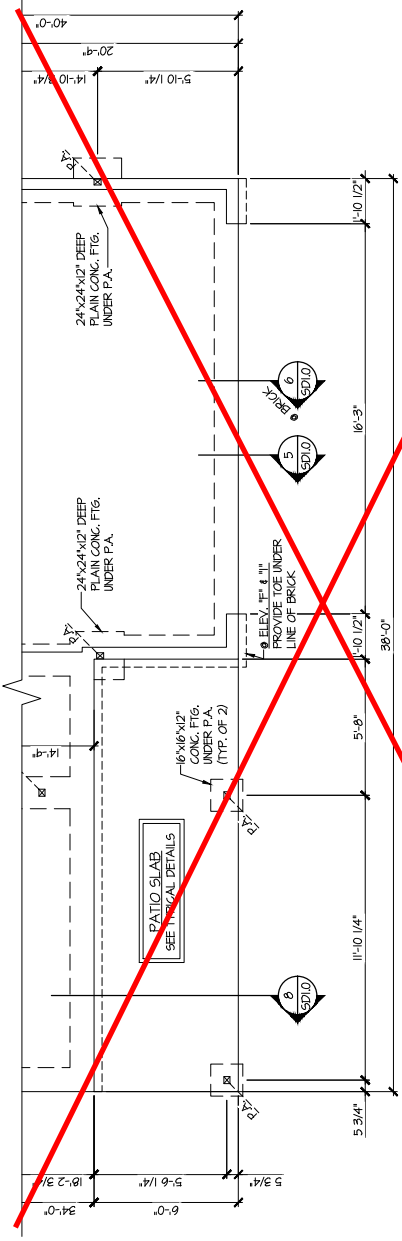
SMITH DOUGLAS  
HOMES

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

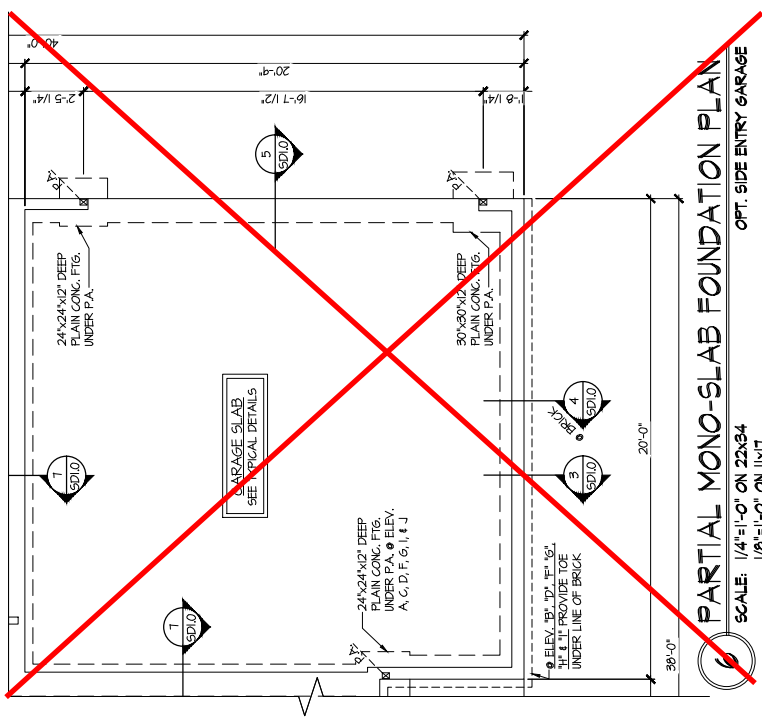
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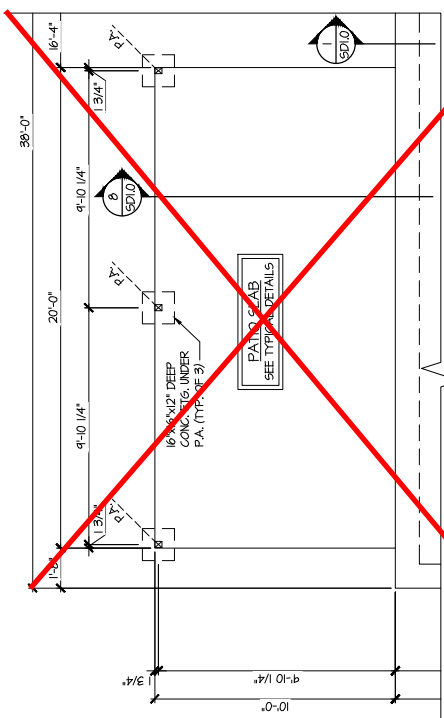
**2 PARTIAL MONO-SLAB FOUNDATION PLAN**  
ELEV. B, E, H, & K  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON LIMIT



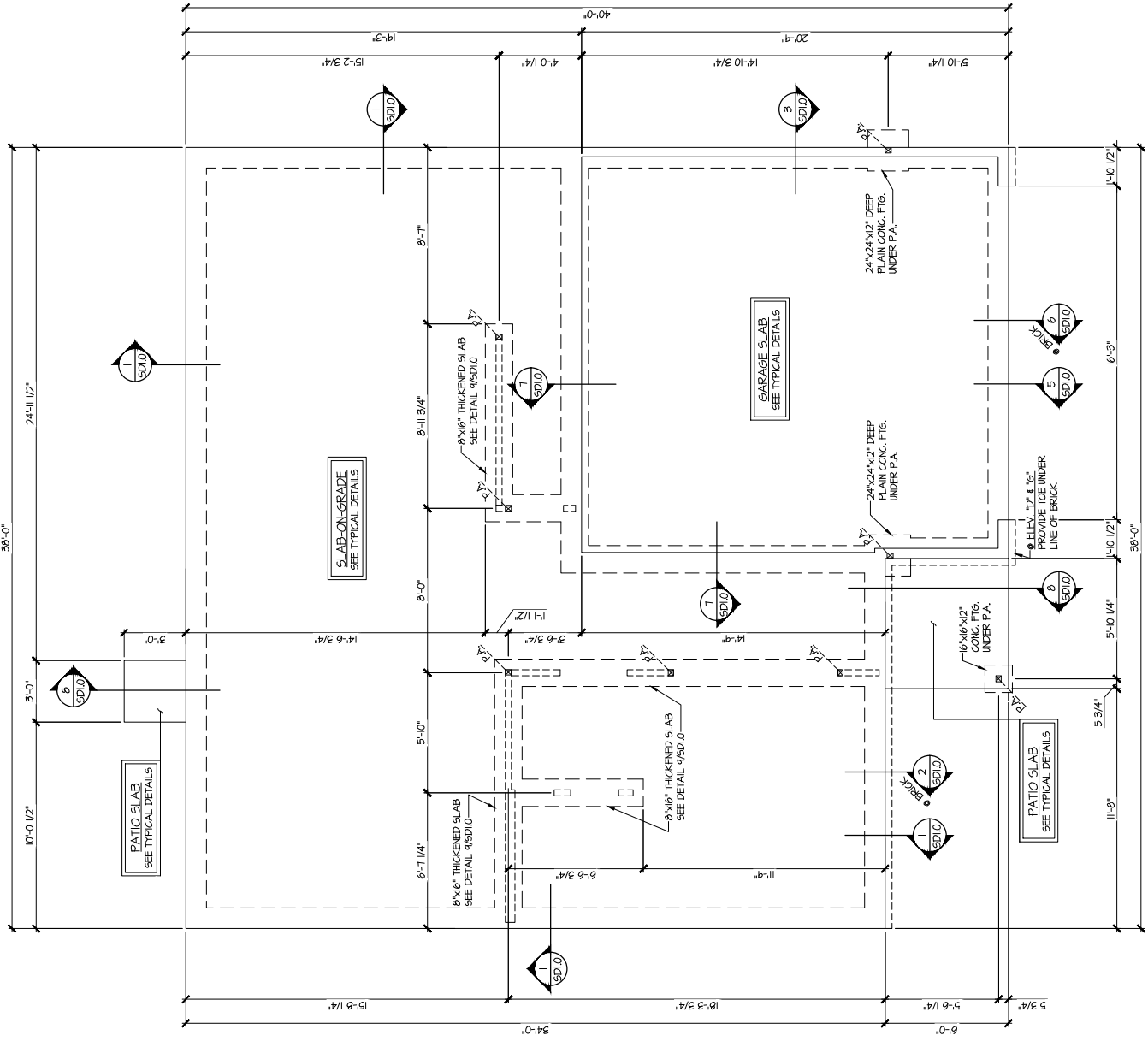
**3 PARTIAL MONO-SLAB FOUNDATION PLAN**  
ELEV. C, F, I  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON LIMIT



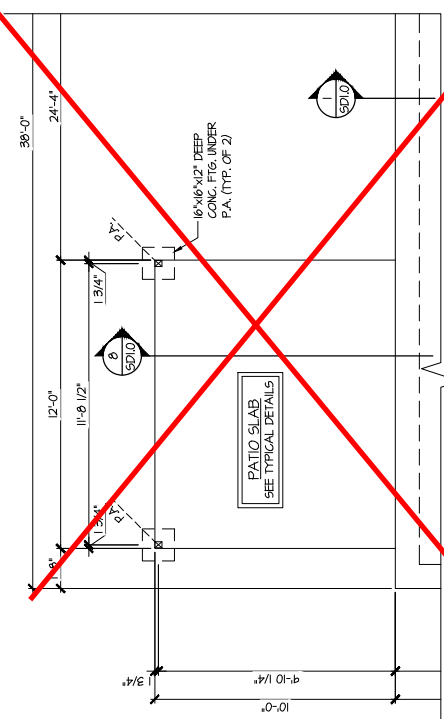
**6 PARTIAL MONO-SLAB FOUNDATION PLAN**  
OPT. SIDE ENTRY GARAGE  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON LIMIT



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



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



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

**Duncans  
Lot 37**

REFER TO S0.0 FOR TYPICAL  
STRUCTURAL NOTES & SCHEDULES

- LEGEND**
- RT. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. UNO.)
  - O.F. INDICATES TRUSSES OVERFRAMING @ 24" O.C. (TYP. UNO.)
  - F.L. INDICATES 14" DEEP FLOOR JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER.
  - P.L. 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.



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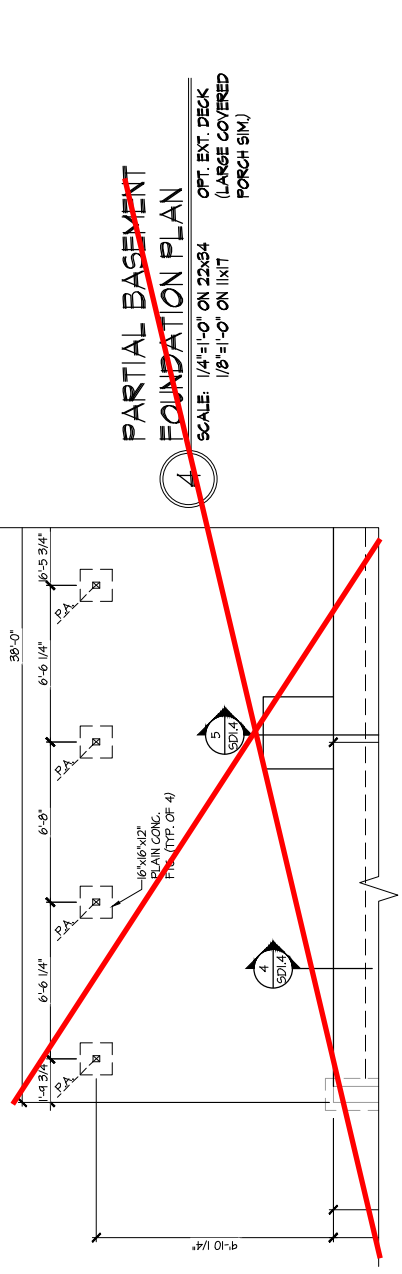
Mulhern+Kulp project number:  
**256-2-1009**  
project mgr: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**

REVISIONS:  
date: **11/22/21** initial: **JPP**  
**UNISSUED SLABS ADDED**  
date: **08/18/23** initial: **MJD**  
**STRIP PATIAL, FRAME, GARAGE EXT. WALLS**

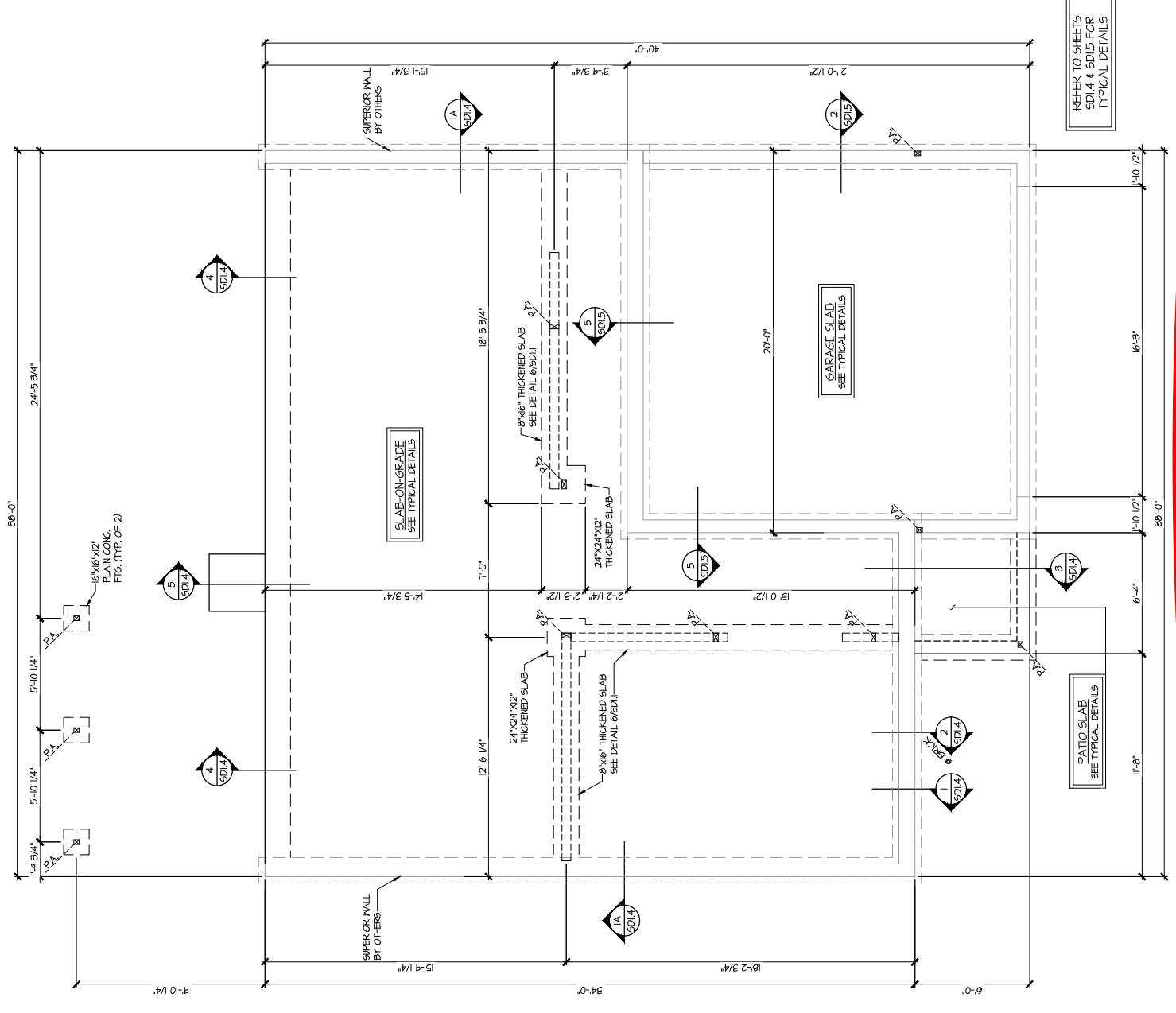
SMITH DOUGLAS  
HOMES

BASEMENT FOUNDATION PLAN  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

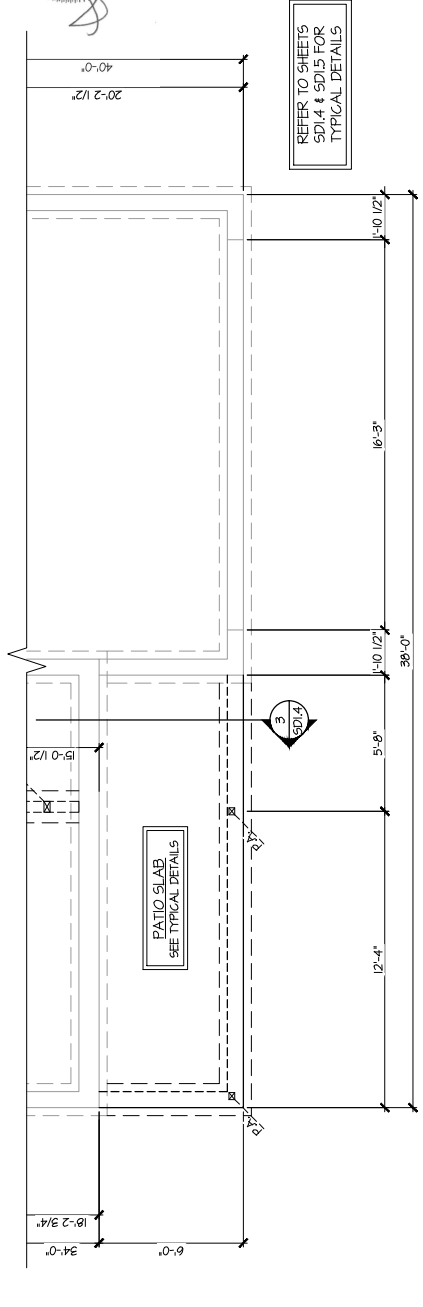
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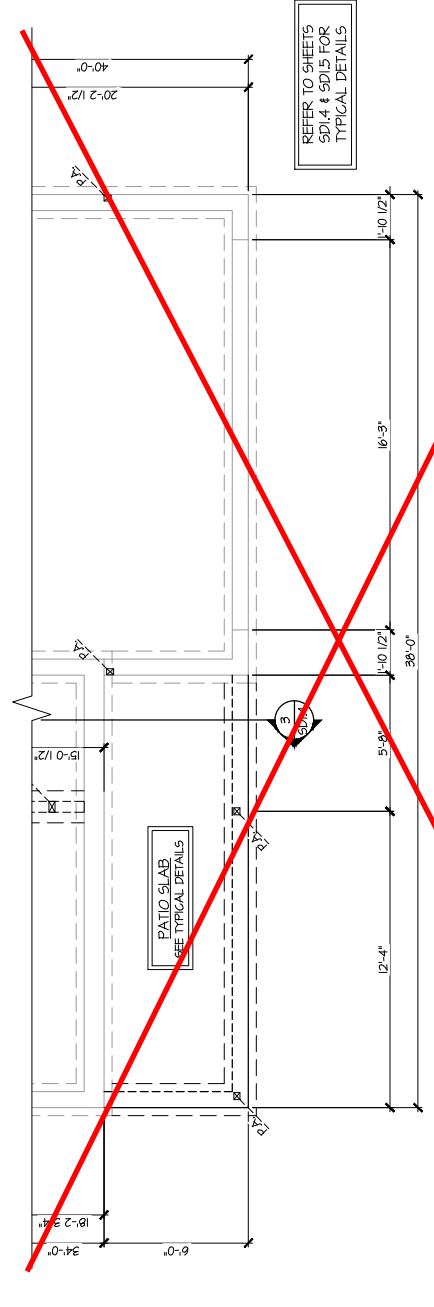
**1** PARTIAL BASEMENT FOUNDATION PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON I/IT  
OPT. EXT. DECK (LARGE COVERED PORCH SIM)



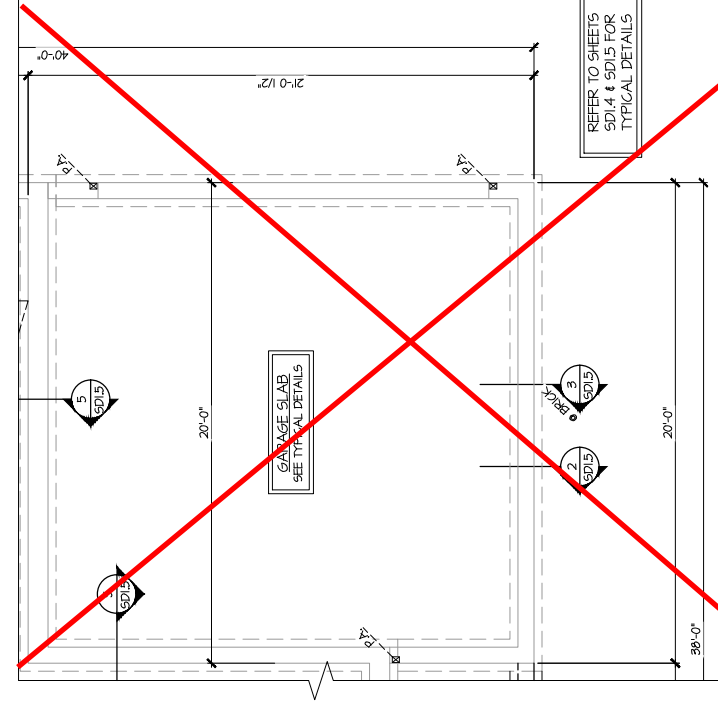
**2** PARTIAL BASEMENT FOUNDATION PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON I/IT  
SUPERIOR WALLS ELEV. 1, 2, 3, 4, 5



**3** PARTIAL BASEMENT FOUNDATION PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON I/IT  
SUPERIOR WALLS ELEV. 1, 2, 3, 4, 5



**4** PARTIAL BASEMENT FOUNDATION PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON I/IT  
SUPERIOR WALLS ELEV. C, F, S

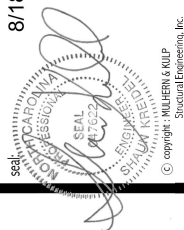


**5** PARTIAL BASEMENT FOUNDATION PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON I/IT  
OPT. SIDE ENTRY GARAGE

**Duncans  
Lot 37**

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

- LEGEND**
- RT. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANIF. (TYP. UNO.)
  - O.F. INDICATES TRUSSES OVERFRAMING @ 24" O.C. (TYP. UNO.)
  - F.L. INDICATES 14" DEEP FLOOR I-JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER.
  - P.L. 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.A.A.)
  - BEAM/HEADER
  - M.L. METAL HANGER
  - INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



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

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

REVISIONS:

date:	initial:
11/22/21	JPP
10/20/23	MND

10/20/23 MND  
STRIP PARTIAL FRAME GARAGE EXT. WALLS

SMITH DOUGLAS  
HOMES

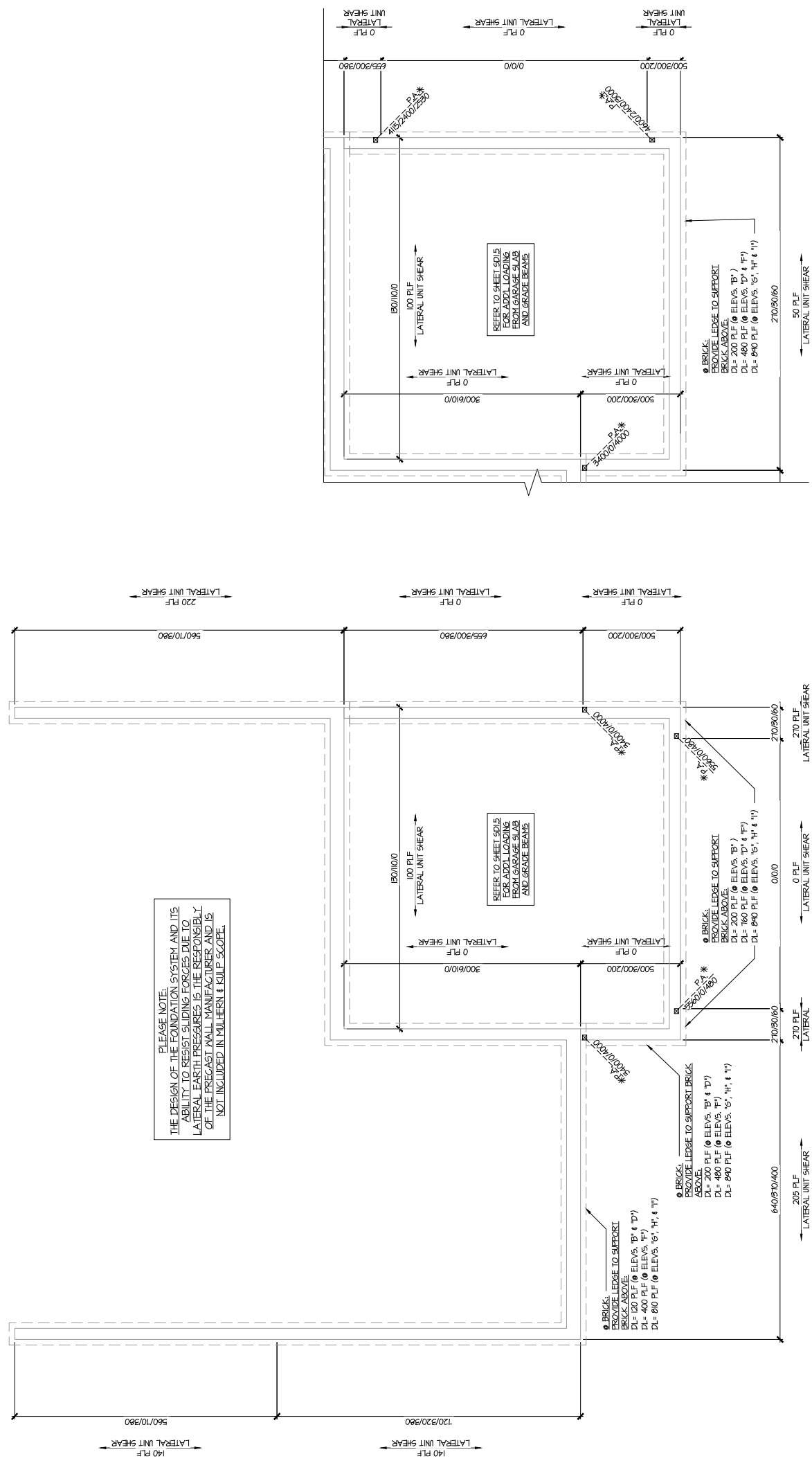
SUPERIOR WALL LOADING PLAN  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

Sheet:  
**S1.3**

**Duncans  
Lot 37**

REFER TO 50.0 FOR TYPICAL  
STRUCTURAL NOTES & SCHEDULES

- LEGEND**
- RT. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANIF. (TYP. UNO.)
  - O.F. INDICATES TRUSSES OVERFRAMING @ 24" O.C. (TYP. UNO.)
  - F.L. INDICATES 14" DEEP FLOOR I-JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER
  - P.L. INDICATES 2x8 P.T. DECK JOISTS @ 16" O.C. (MAX). JOIST 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.A.)
  - BEAM/HEADER
  - METAL HANGER
  - INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



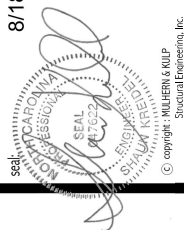
PLEASE NOTE:  
THE DESIGN OF THE FOUNDATION SYSTEM AND ITS  
ABILITY TO RESIST SLIDING FORCES DUE TO  
LATERAL EARTH PRESSURES IS THE RESPONSIBILITY  
OF THE PRECAST WALL MANUFACTURER AND IS  
NOT INCLUDED IN MULHERN & KULP'S SCOPE.

**2 SUPERIOR WALL LOADING PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. SIDE ENTRY GARAGE

**1 SUPERIOR WALL LOADING PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
ALL ELEV. 51M.



8/18/23



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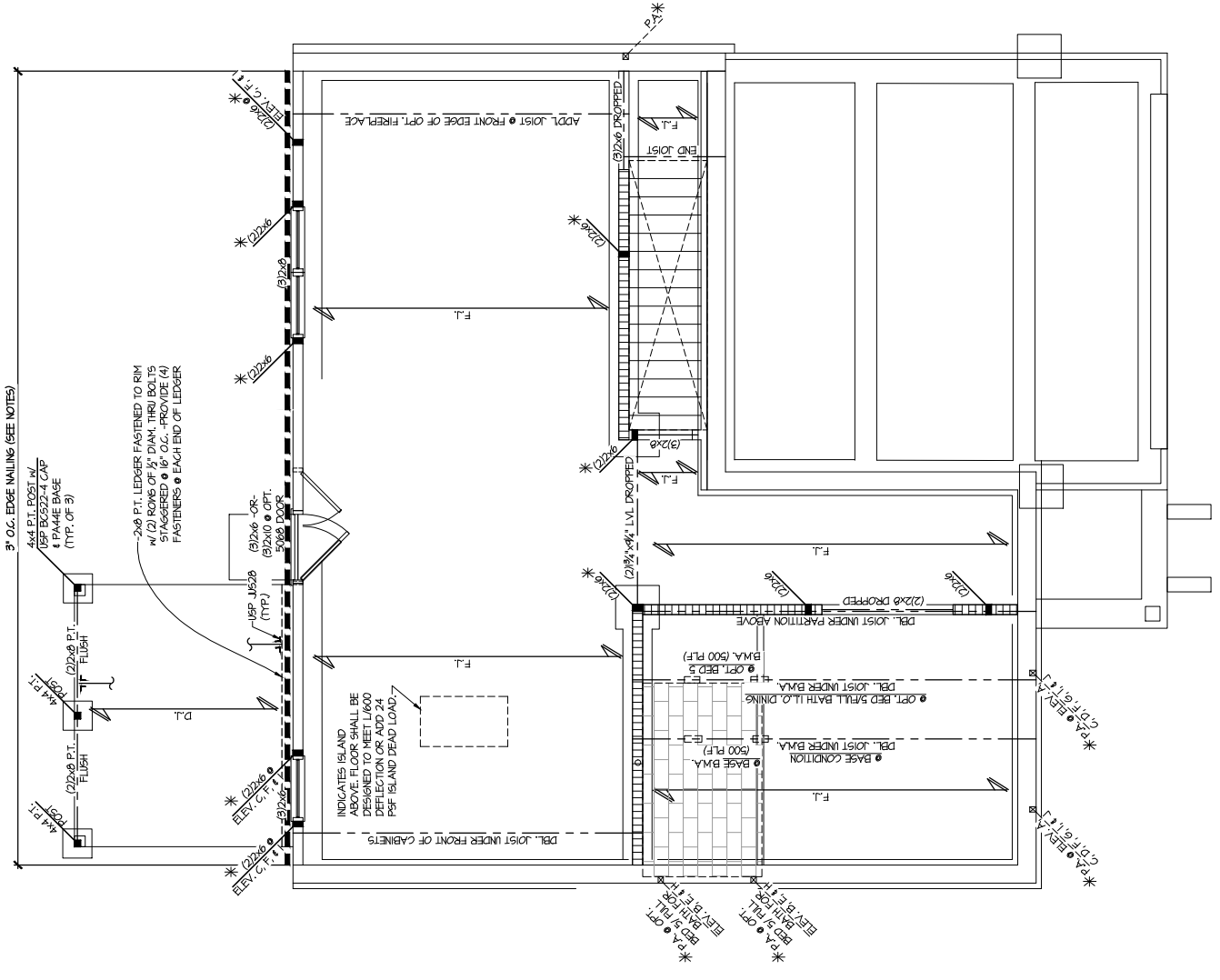
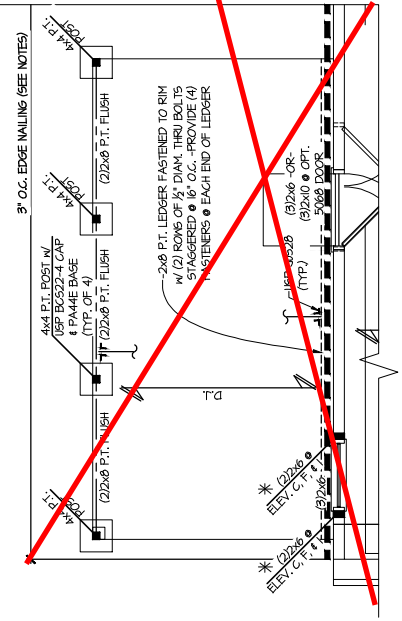
Mulhern+Kulp project number:  
**256-21009**  
project mgr: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**  
REVISIONS:  
date: **11/22/21** initial: **JPP**  
**UNISSUED** WAS ADDED  
**02/18/23** MND  
STRIP PARTIAL FRAME GARAGE EXT. WALLS

**SMITH DOUGLAS**  
HOMES

**1ST FLOOR FRAMING PLAN**  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

Sheet:  
**S2.0**

**2 PARTIAL 1ST FLOOR FRAMING PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11X17  
OPT. EXT. DECK (LARGE COVERED PORCH SIM)



**1 UNFINISHED BASEMENT PLAN**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11X17  
ALL ELEV. SIM.  
FINISHED BASEMENT SIM

**Duncans Lot 37**

THIS LEVEL HAS BEEN DESIGNED FOR 4'-4" PLATE HEIGHT

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

- LEGEND**
- RT. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF MANIF. (TYP. UNO.)
  - OF. INDICATES TRUSSES OVERFRAMING @ 24" O.C. (TYP. UNO.)
  - F.L. INDICATES 14" DEEP FLOOR I-JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER
  - P.L. 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**  
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719-777-0074 - mulhern@mulhernkulp.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: **JFP**  
**10/26/21** **MND**  
**10/26/21** **MND**  
STRIP PARTIAL FRAME, GARAGE EXT. WALLS

**SMITH DOUGLAS**  
HOMES

**BASEMENT WALL BRACING PLAN**  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

Sheet:  
**S2.0L**

**EXT. WALL SHEATHING SPECIFICATION**

- 7/16" OSB OR 1/2" PLYWOOD:  
FASTEN SHEATHING w/ 2 1/2"x0118 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 ROOF STRUCTURAL WALL SHEATHING TO FRAMING w/ 2 1/2" x 0118 NAILS @ 3" O.C. AND 12" O.C. IN THE PANEL FIELD w/ 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 0120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

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

INDICATES HOLDDOWN

ME 5193 - MAR 2016

**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))  
EXP. B, RISK CAT. 2 & SEISMIC CAT. AVB.

THE DESIGN WAS COMPLETED PER 2015 & 2018 IBC, SECTION 609) & ASCE 7, AS PERMITTED BY R301.3 OF THE 2018 NCSBC: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 NCSBC:RC & 2018 IRC SECTION R902.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.2.3 & R802.11.

ME 5193 - MAR 2016

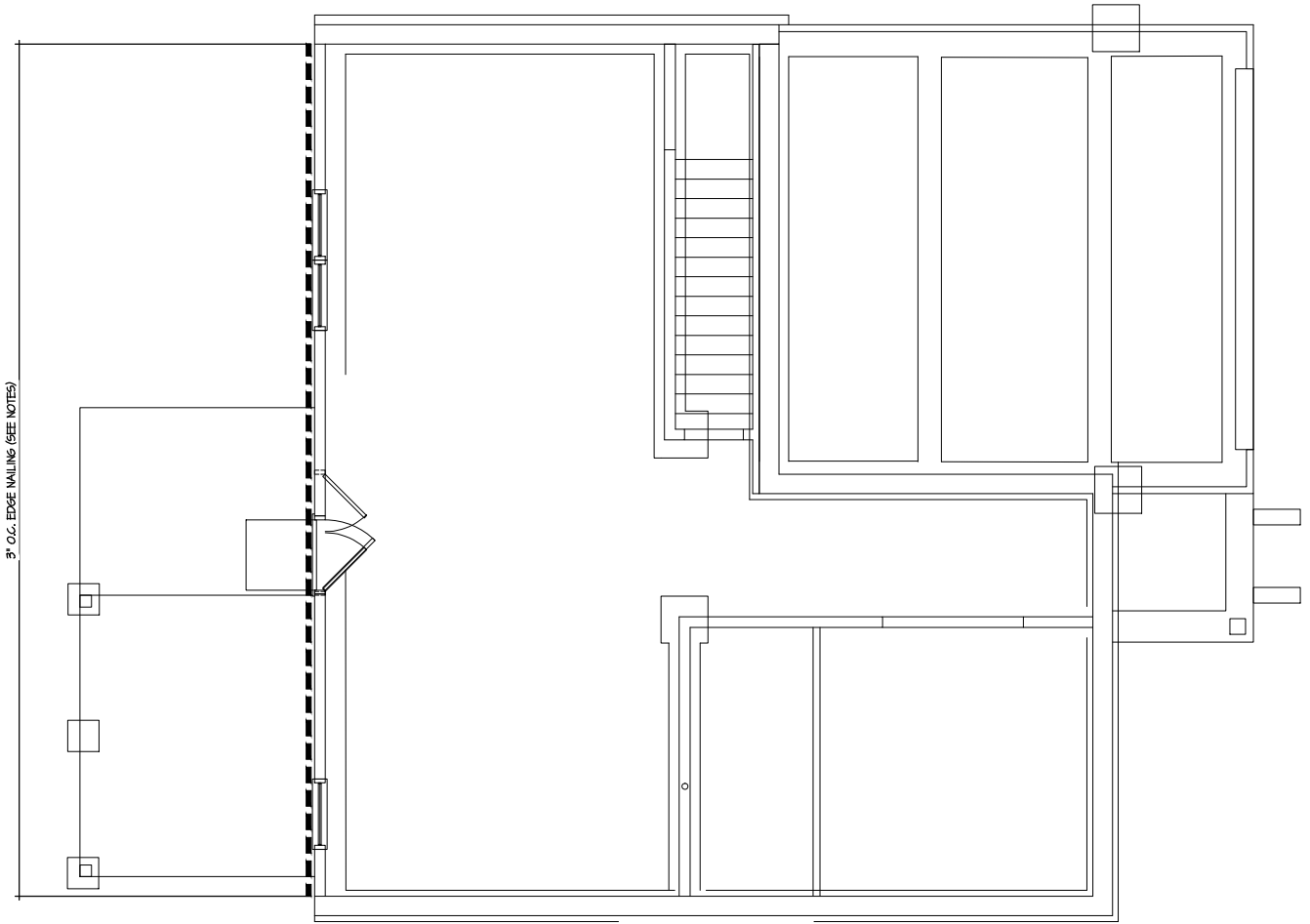
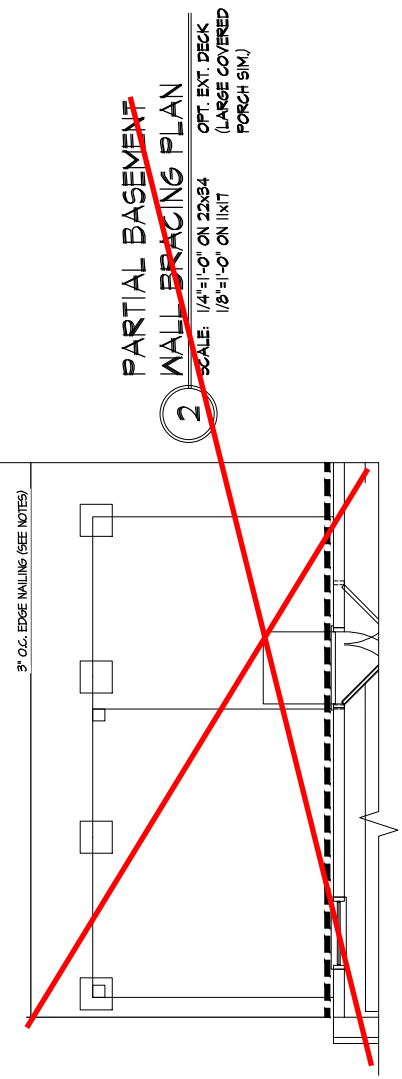
**Duncans**  
**Lot 37**

THIS LEVEL HAS BEEN DESIGNED FOR 4'-4" PLATE HEIGHT

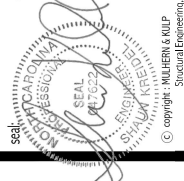
REFER TO SOI FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

**LEGEND**

- RT. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF MANUF. (TYP. UNO.)
- OF. INDICATES TRUSSES OVERFRAMING @ 24" O.C. (TYP. UNO.)
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- P.L. 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 METAL HANGER
- INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



**1** BASEMENT WALL BRACING PLAN  
UNFINISHED BASEMENT CONDITION  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x7  
ALL ELEV. SIM.  
FINISHED BASEMENT SIM.



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770-777-9974 - mulhern@mk.com



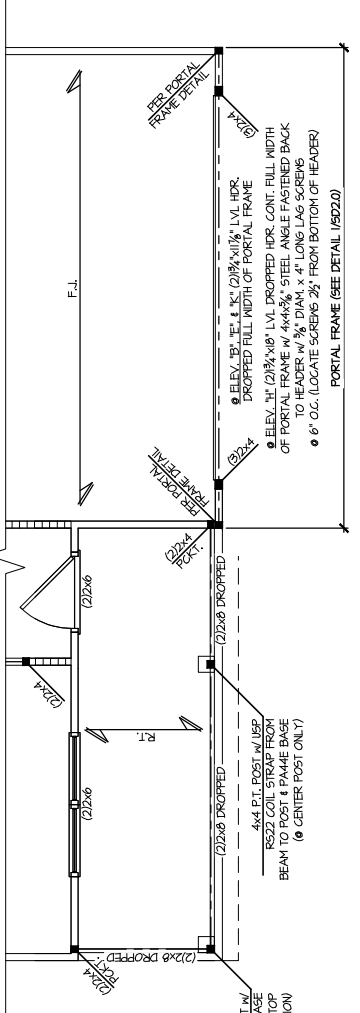
Mulhern+Kulp project number:  
256-21009  
project mgr: SMK  
drawn by: MJF  
issue date: 10-26-2021

REVISIONS:  
date: initial  
11/22/21 JPP  
09/18/23 MJD  
STRIP PORTAL FRAME GARAGE DET. WALLS

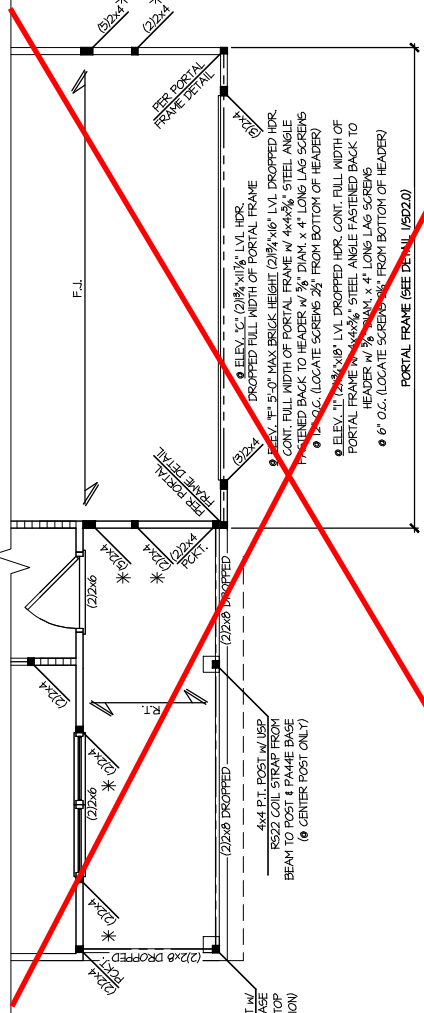
SMITH DOUGLAS  
HOMES

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

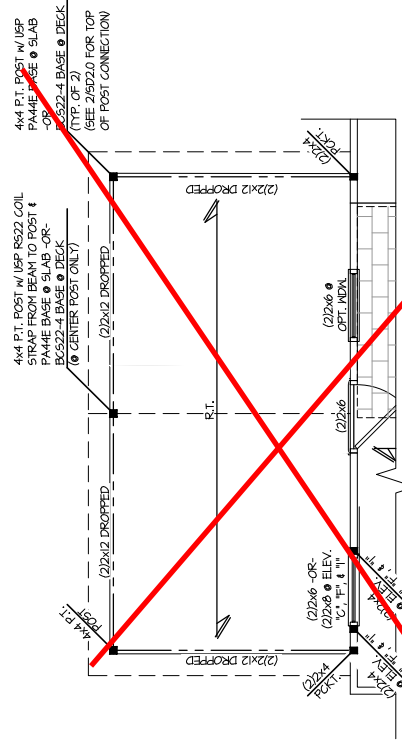
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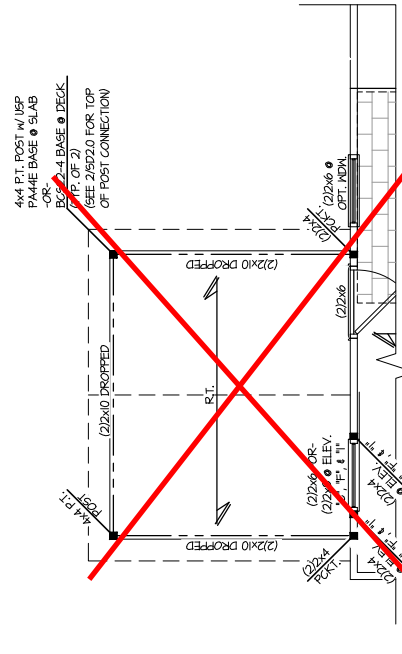
**2 PARTIAL 2ND FLOOR FRAMING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON INIT  
ELEV. B, E, H, & K



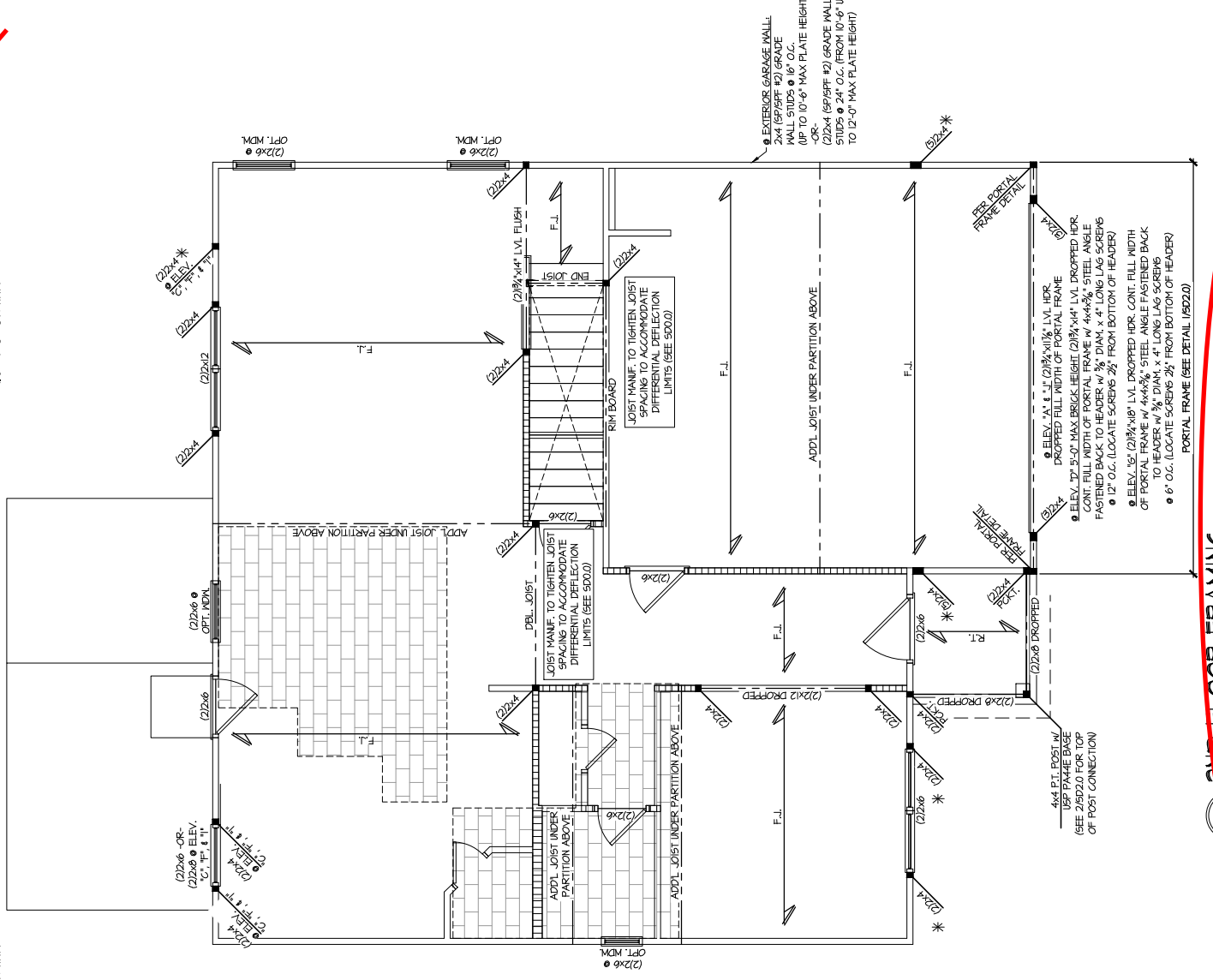
**3 PARTIAL 2ND FLOOR FRAMING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON INIT  
ELEV. C, F, & I



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



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



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

**Duncans  
Lot 37**

REFER TO 500 FOR TYPICAL  
STRUCTURAL NOTES & SCHEDULES  
THIS LEVEL HAS BEEN DESIGNED  
FOR 9'-1" PLATE HEIGHT

**LEGEND**

RT.	INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANIF. (TYP. UNO.)
O.F.	INDICATES TRUSSES OVERFRAMING @ 24" O.C. (TYP. UNO.)
F.J.	INDICATES 14" DEEP FLOOR JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER.
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[Symbol]	INDICATES LOCATIONS OF POTENTIAL TILE FLOOR. JOIST MANUFACTURER SHALL DESIGN FLOOR SYSTEM FOR ADDL 10 PSF DEAD LOAD AT THESE LOCATIONS.
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[Symbol]	BEARING WALL ABOVE (B.W.A.)
[Symbol]	BEAM/HEADER
[Symbol]	METAL HANGER
[Symbol]	INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

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



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3025 Shilohs Branchway, Suite 105 - Ahoskie, VA 28922  
770-777-0074 - mulhern@mulhernkulp.com  
NC License # C-3825



Mulhern+Kulp project number:  
**256-21009**  
Project title: **SMK**  
Drawn by: **MJF**  
Issue date: **10-26-2021**  
Revisions:  
date: **11/22/21** initial: **JFP**  
**UNDESIGNED WALLS ADDED**  
date: **02/10/23** initial: **MND**  
**STRAY PORTAL FRAME, GARAGE EXT. WALLS**

SMITH DOUGLAS  
HOMES

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

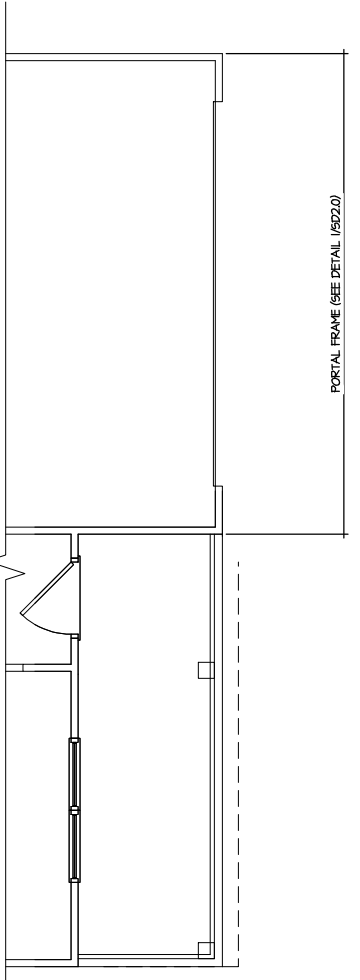
Sheet:  
**S3.0L**

**EXT. WALL SHEATHING SPECIFICATION**  
• 7/16" OSB OR 15/32" PLYWOOD;  
FASTEN SHEATHING w/ 2 3/8"x0.119 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 ROOF STRUCTURAL WALL SHEATHING TO FRAMING w/ 2 3/8" x 0.119" 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 ALL UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.

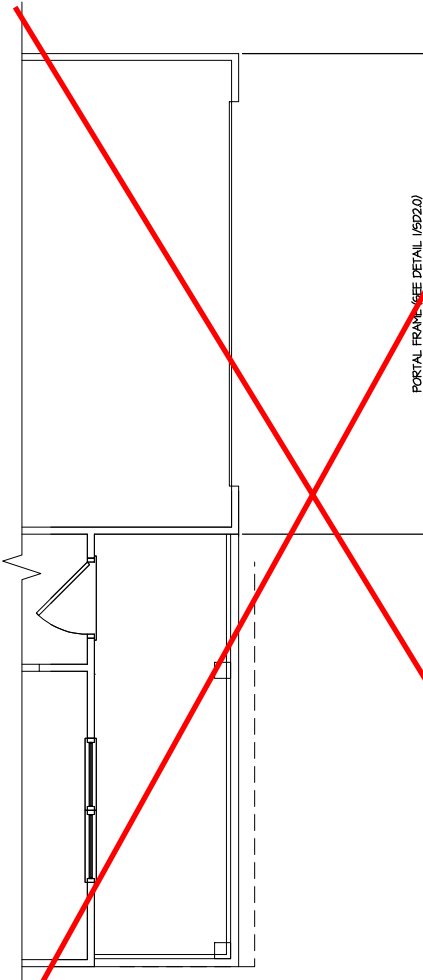
**NOTES**  
• SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR, TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN IT WILL BE SPECIFICALLY NOTED ON PLAN.  
• DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, UNO.  
• ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.  
• PRE-MANUFACTURED 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 HOLDDOWN  
ME 5102 - MAR 2006

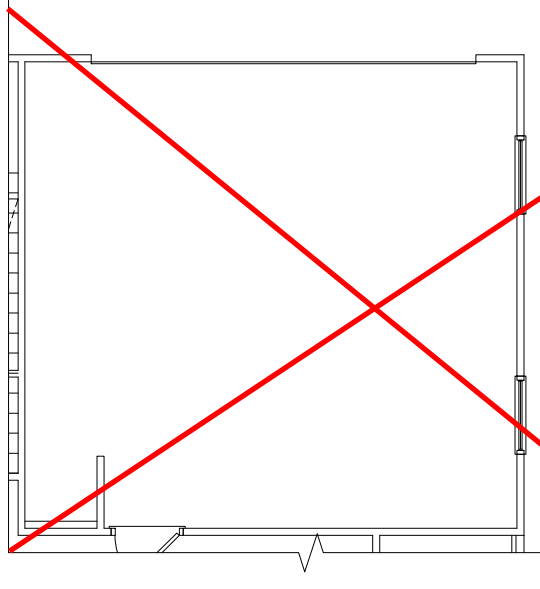
**LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS**  
THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:  
**120MPH WIND IN 2018 NCSBC:RC & 120MPH WIND IN 2018 IRC**  
(120 MPH WIND SPEED IN ASCE 7 WIND MAP PER IRC R301(2.1))  
EXP. B, RISK CAT. 2 & SEISMIC CAT. AVB.  
THE DESIGN WAS COMPLETED PER 2015 & 2018 IBC, SECTION 609) & ASCE 7, AS PERMITTED BY R301.3 OF THE 2018 NCSBC: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 NCSBC:RC & 2018 IRC SECTION R902.1.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.2.3 & R602.11.  
ME 5102 - MAR 2006



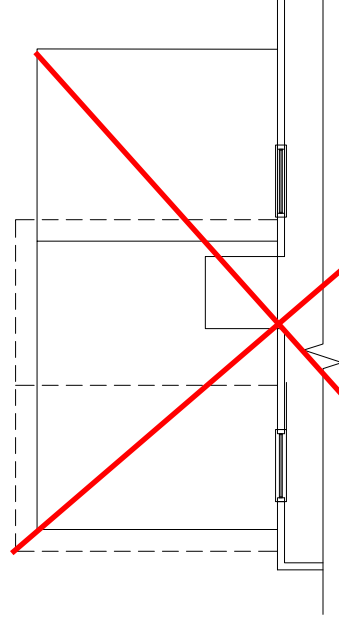
**2 PARTIAL 1ST FLOOR WALL BRACING**  
ELEV. B, E, H & K  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17



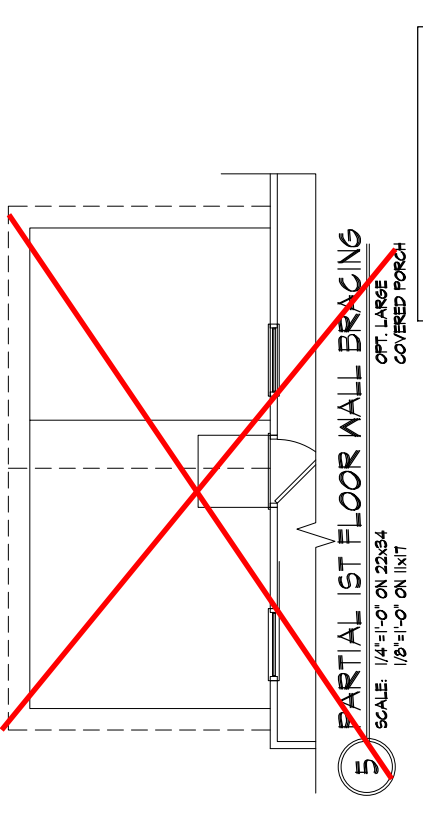
**3 PARTIAL 1ST FLOOR WALL BRACING**  
ELEV. G, J & I  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17



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

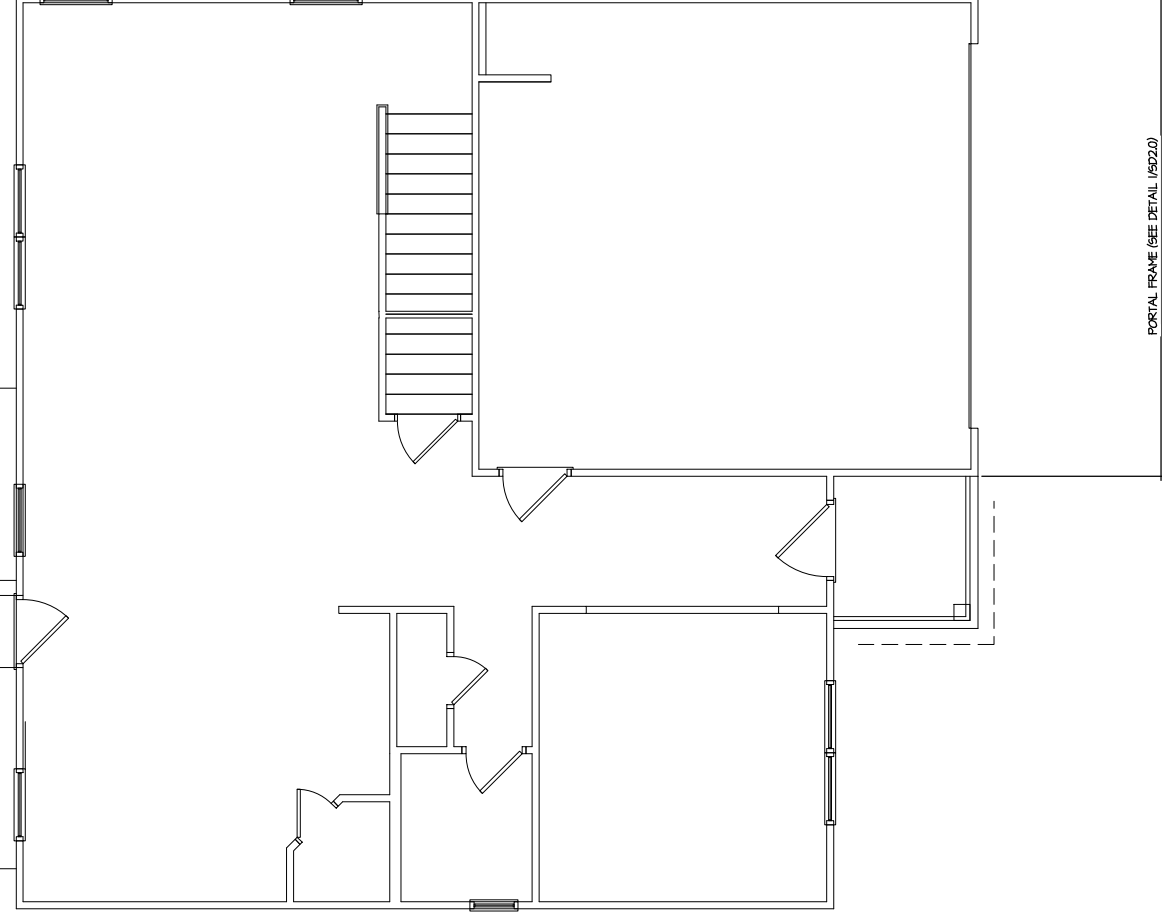


**4 PARTIAL 1ST FLOOR WALL BRACING**  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17



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

NOTE:  
NO ADDL SHEARWALL REQUIREMENTS ARE REQUIRED BEYOND THE STANDARD EXTERIOR WALL SHEATHING SPECIFICATION FOR THIS OPTION



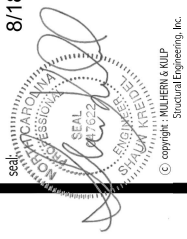
**1ST FLOOR WALL BRACING**  
ELEV. A, D, G, L  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17

**Duncans Lot 37**

REFER TO 500 FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

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

- LEGEND**
- RT. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF MANIF. (TYP. UNO.)
  - O.F. INDICATES TRUSSES OVERFRAMING @ 24" O.C. (TYP. UNO.)
  - F.L. INDICATES 14" DEEP FLOOR I-JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER.
  - P.L. 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 METAL HANGER
  - INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



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770-777-0074 - mulhern+kulp.com  
NC License # C-3825



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

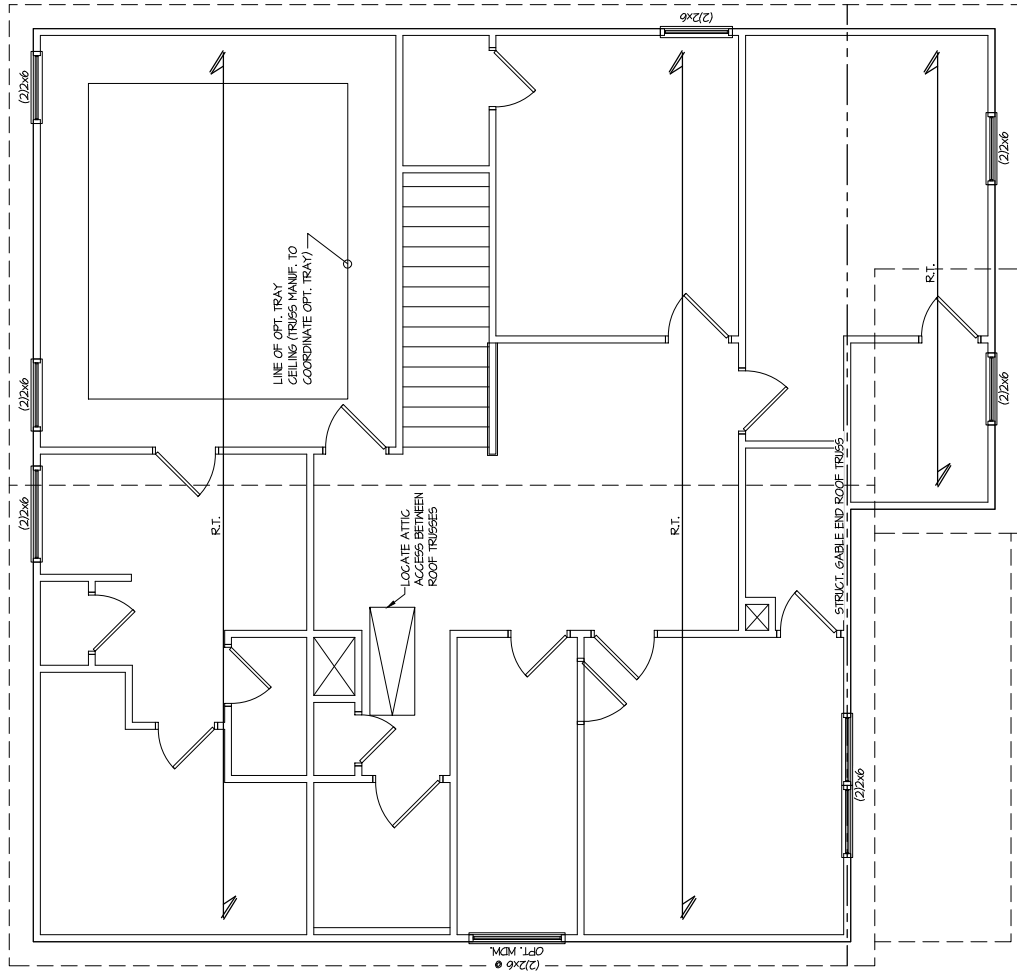
project mgr: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**

REVISIONS:  
date: 11/22/21 initial: JPP  
REVISIONS WERE ADDED  
08/18/23 MND  
STRIP PORTAL FRAME GARAGE EXT. WALLS

SMITH DOUGLAS  
HOMES

ROOF FRAMING PLAN  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

Sheet:  
**S4.1**



**Duncans  
Lot 37**

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

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

- LEGEND**
- RT. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF MANIF. (TYP. UNO.)
  - O.F. INDICATES TRUSSES 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
  - P.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/A/A)
  - BEAM/HEADER
  - HL METAL HANGER
  - \* INDICATES POST ABOVE (P/A) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

**1** ROOF FRAMING PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x7  
**ELEV. B, E, H, & K**



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**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING

3025 Bechtel Drive / Suite 105 - Ahoskie, NC 28702  
719-777-0014 - mulhern@mkulps.com

NC License # C-3825



Mulhern+Kulp project number:  
**256-2 1009**

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

REVISIONS:  
date: 11/22/21 initial: JPP  
10/26/21 MJD  
10/26/21 MJD  
10/26/21 MJD  
10/26/21 MJD

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 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. AVB.

THE DESIGN WAS COMPLETED PER 2015 & 2018 IBC, SECTION 6009) & ASCE 7, AS PERMITTED BY R301.3 OF THE 2018 NCSBC: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 NCSBC:RC & 2018 IRC SECTION R902.1.1.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & R902.1.1.

ME 5193 - MAR 2006

**EXT. WALL SHEATHING SPECIFICATION**

- 7/16" OSB OR 15/32" PLYWOOD:  
FASTEN SHEATHING w/ 2" x 0.019" 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 ROOF STRUCTURAL WALL SHEATHING TO FRAMING w/ 2" x 0.019" NAILS @ 3" O.C. AND 12" O.C. IN THE PANEL FIELD w/ 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 HOLDDOWN

ME 5193 - MAR 2006

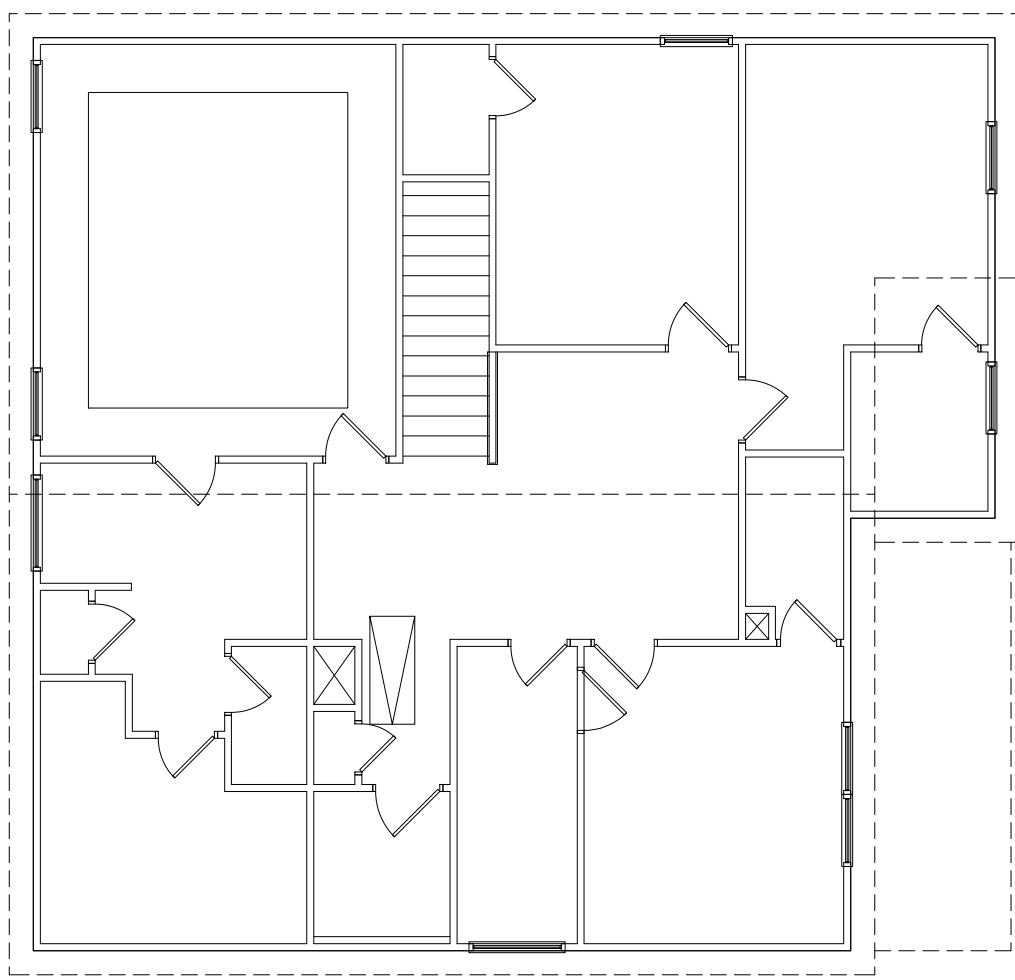
**Duncans Lot 37**

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

REFER TO SOO FOR TYPICAL STRUCTURAL NOTES & SCHEDULES

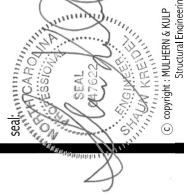
**LEGEND**

- RT. INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF MANUF. (TYP. UNO.)
- OF. INDICATES TRUSSES OVERFRAMING @ 24" O.C. (TYP. UNO.)
- F.L. INDICATES 14" DEEP FLOOR I-JOISTS (24" O.C. MAX SPACING). JOIST SERIES AND SPACING SHALL BE THE RESPONSIBILITY OF THE JOIST MANUFACTURER.
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- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM/HEADER
- M METAL HANGER
- \* INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



NOTE:  
NO ADDL 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



**MULHERN+KULP**  
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3025 Southside Parkway, Suite 105 - Durham, NC 27602  
919-777-9974 - mulhern+kulp.com  
NC License # C-3825



Project title: **SMK**  
drawn by: **MJF**  
issue date: **10-26-2021**

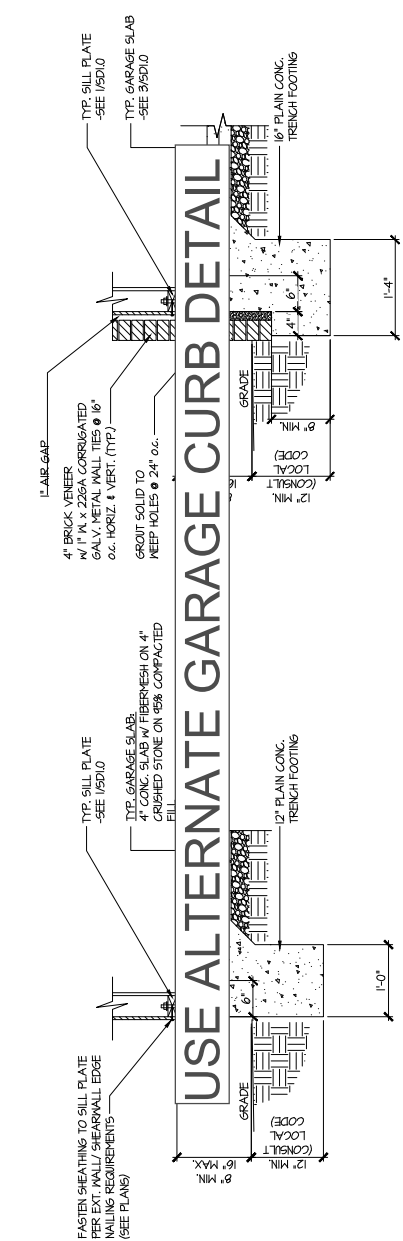
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**256-21009**

SMITH DOUGLAS  
HOMES

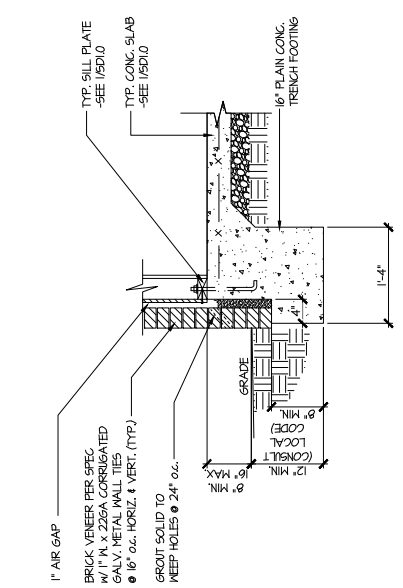
FOUNDATION DETAILS  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

Sheet:  
**SD1.0**

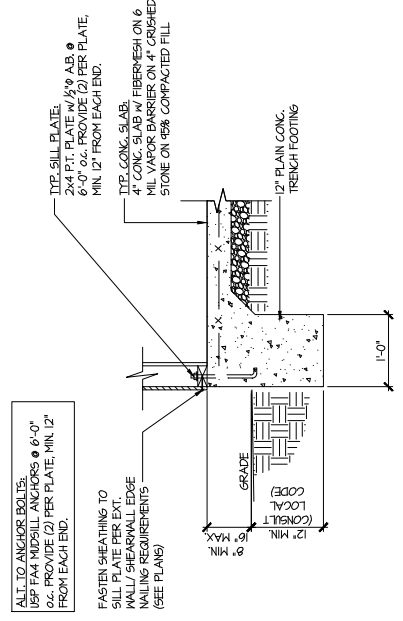
**Duncans  
Lot 37**



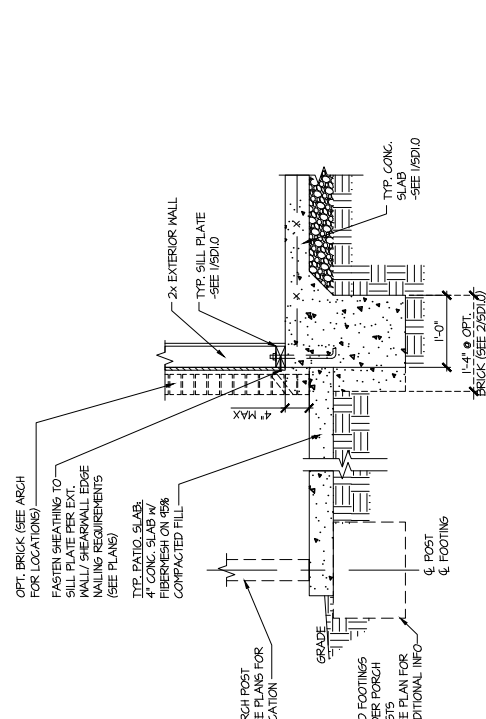
**1** TYPICAL SLAB ON GRADE PERIMETER FOOTING



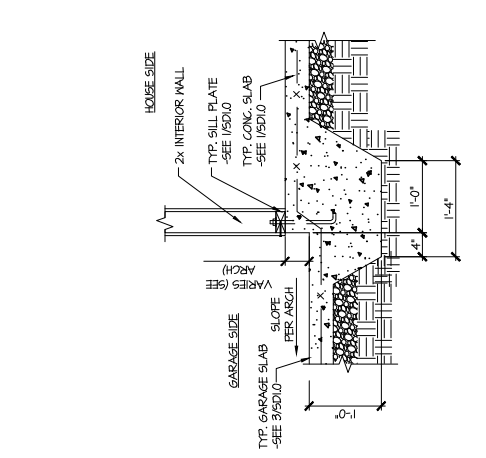
**2** TYPICAL SLAB ON GRADE PERIMETER FOOTING



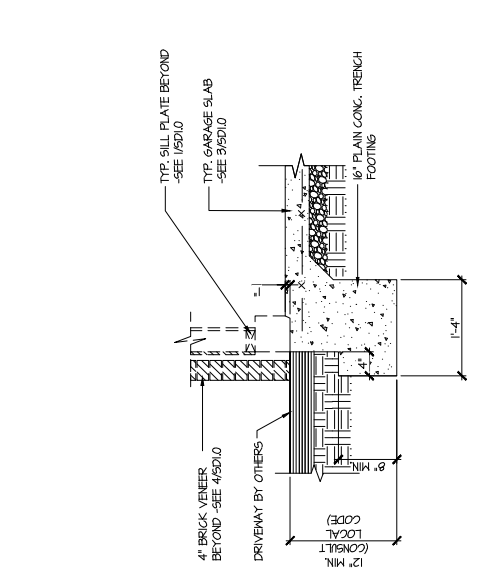
**3** TYPICAL SLAB ON GRADE PERIMETER FOOTING



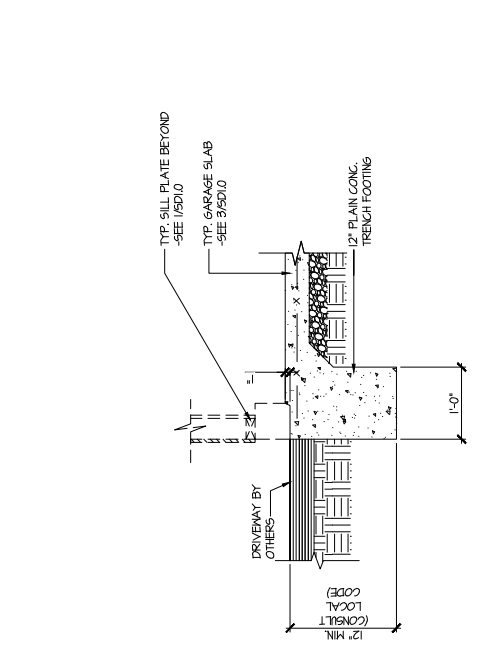
**4** TYPICAL SLAB ON GRADE PERIMETER FOOTING



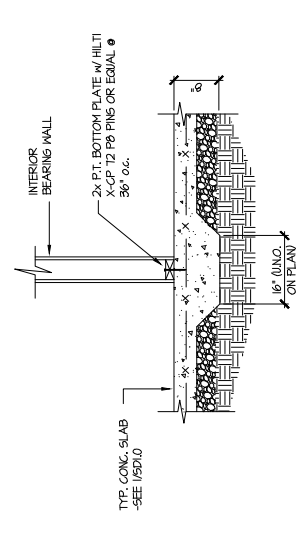
**5** TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING



**6** TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING

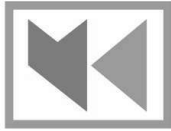


**7** TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING



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

**Duncans  
Lot 37**



# 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

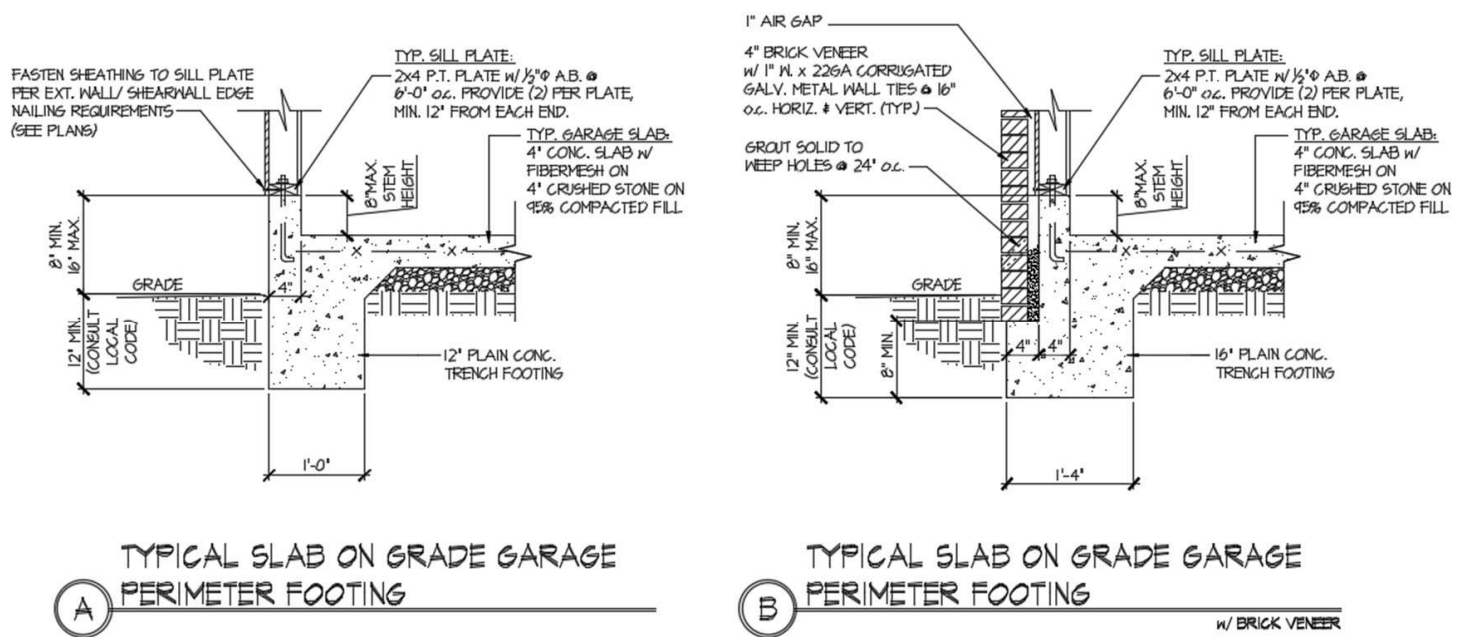
## ALTERNATE GARAGE CURB DETAIL Smith Douglas Homes

### 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.



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  
 RESIDENTIAL STRUCTURAL ENGINEERING  
 3025 Boulevard Parkway, Suite 105 - Ahlsville, NC 28802  
 719-777-9974 - mulhern@mulhernkulp.com  
 NC License # C-3825

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

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

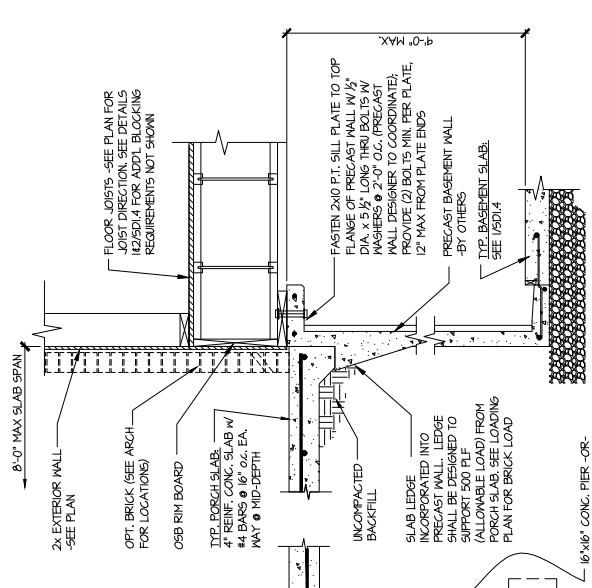
REVISIONS:  
 date: **11/22/21** initial: **JPP**  
 description: **UNISSUED PLANS ADDED**  
**09/18/23** **MHD**  
 STRAY PORTAL FRAME GARAGE DET. WALLS

SMITH DOUGLAS  
 HOMES

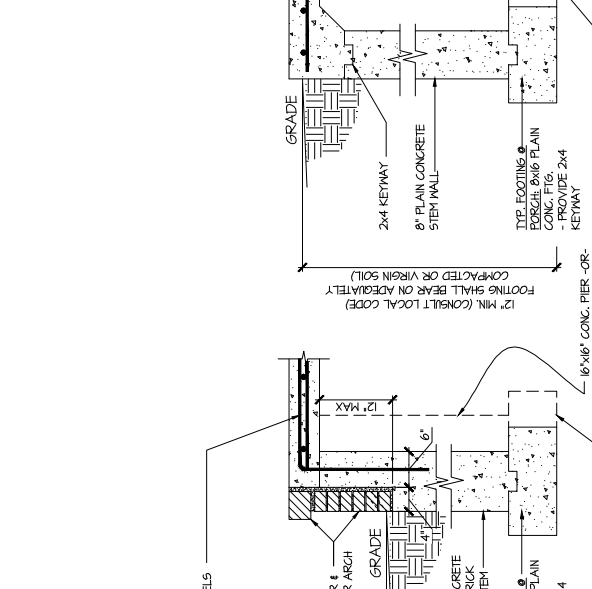
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 NORTH CAROLINA

Sheet:  
**SD1.4**

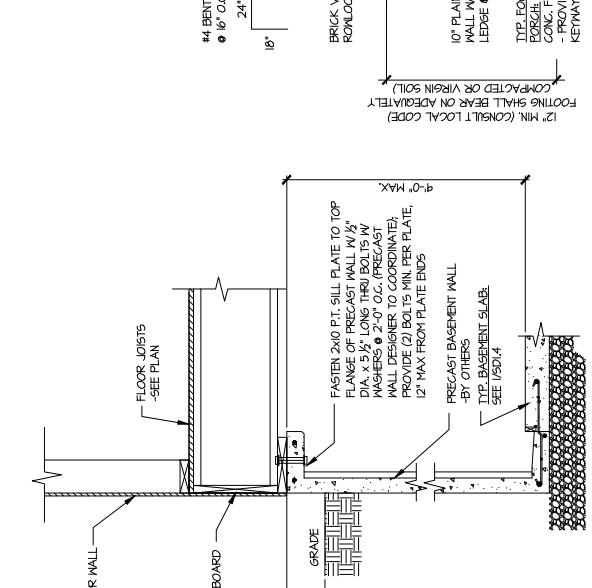
Duncans  
 Lot 37



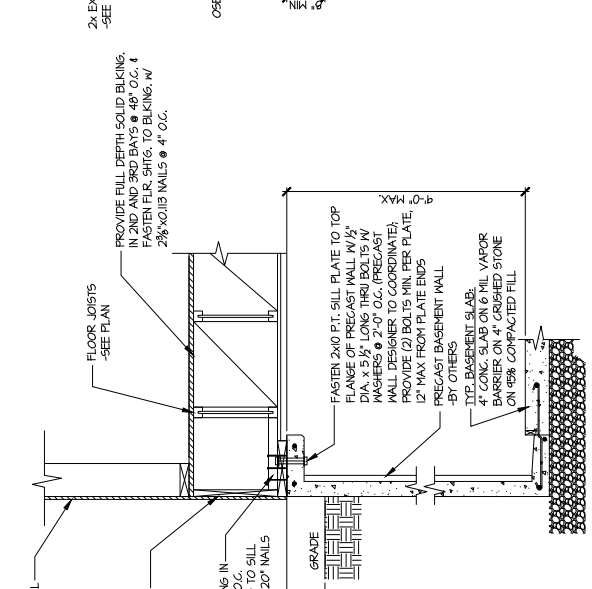
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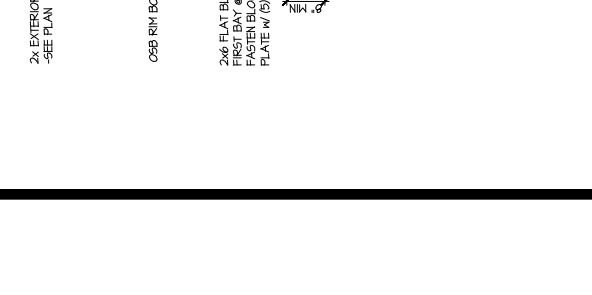
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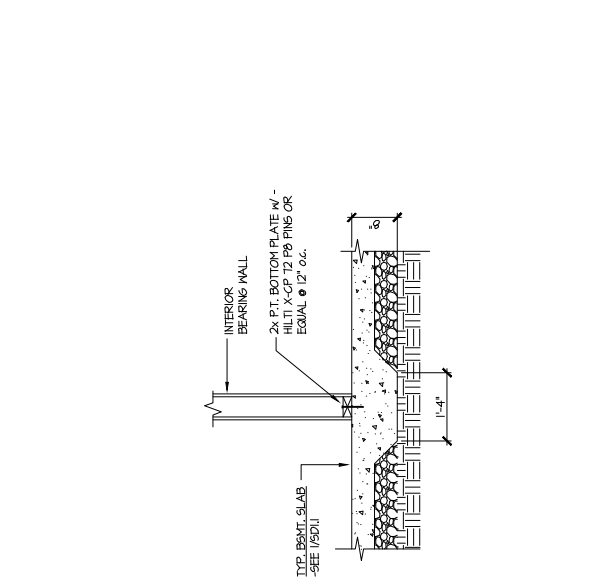
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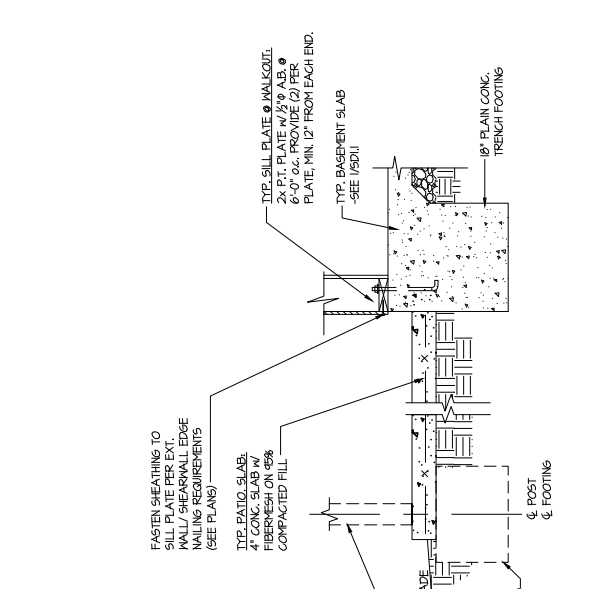
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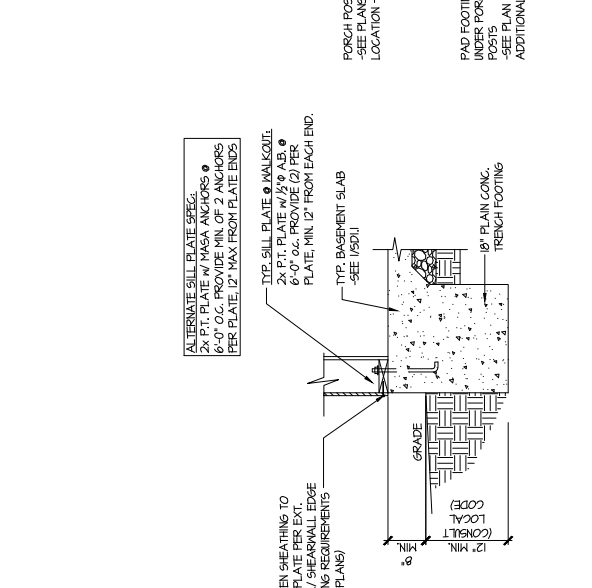
**5 SECTION**  
 SCALE: 3/4"=1'-0"



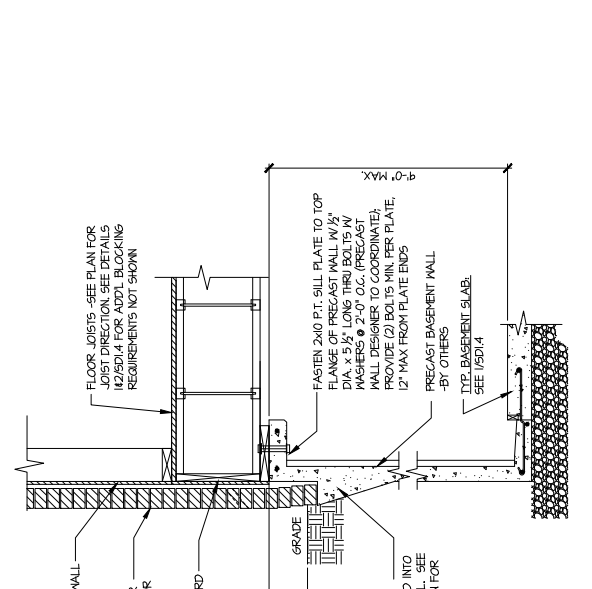
**6 SECTION**  
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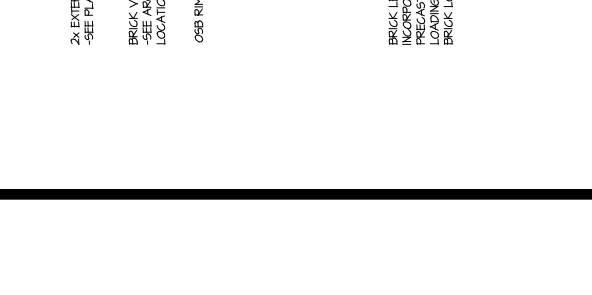
**7 SECTION**  
 SCALE: 3/4"=1'-0"



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



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



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



**MULHERN+KULP**  
 ESSENTIAL STRUCTURAL ENGINEERING  
 2025 Southside Parkway, Suite 305 - Alhambra, GA 30022  
 770-777-9974 - mulhern@mulhernkulp.com



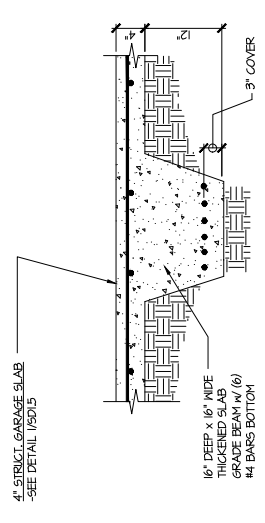
project ngr: **SMK**  
 drawn by: **MJF**  
 issue date: **10-26-2021**

date: **11/22/21**  
 checked by: **JPP**  
 design by: **MJD**  
 stamp: **PRELIMINARY**

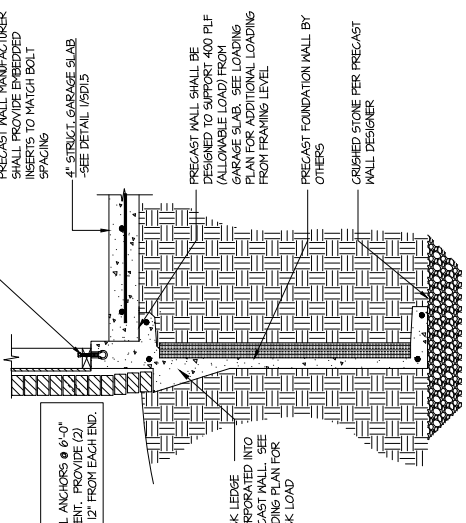
revisions:

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

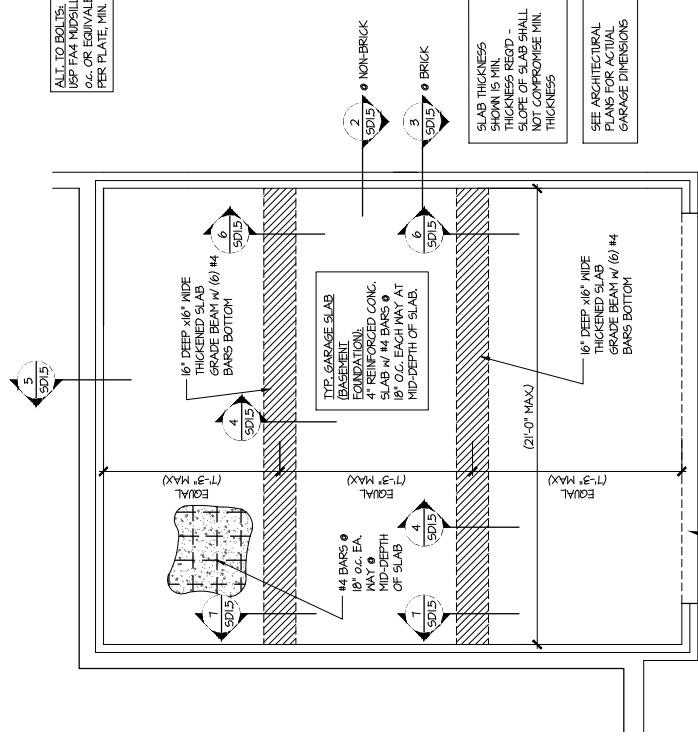
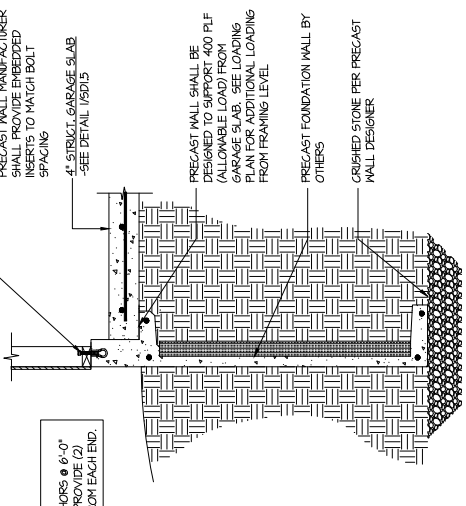
**4** TYPICAL CONCRETE GRADE BEAM @ GARAGE FDN.  
 SCALE: 3/4"=1'-0"



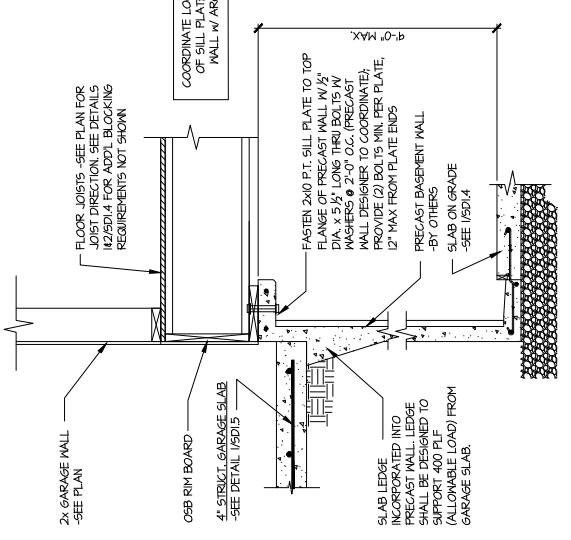
**3** TYPICAL PERIMETER FOOTING @ GARAGE - BASEMENT FOUNDATION (BRICK)  
 SCALE: 3/4"=1'-0"



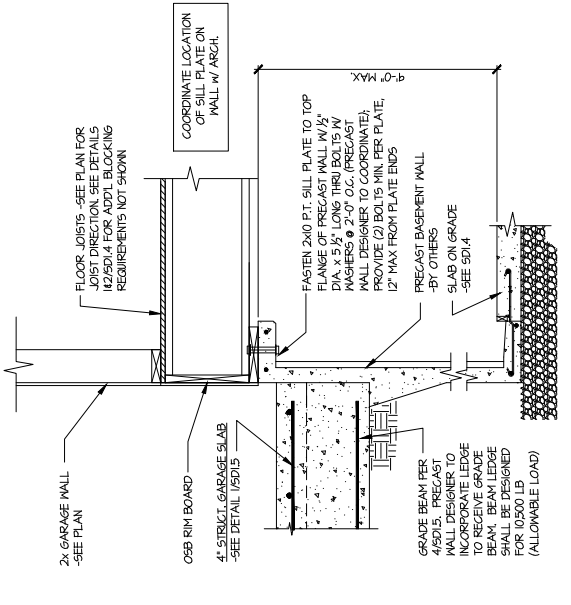
**2** TYPICAL PERIMETER FOOTING @ GARAGE - BASEMENT FOUNDATION  
 SCALE: 3/4"=1'-0"



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



**5** CONCRETE BSMT. FDN. WALL @ GARAGE  
 SCALE: 3/4"=1'-0"

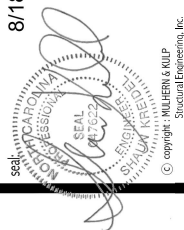


**7** SECTION  
 SCALE: 3/4"=1'-0"

**Duncans**  
**Lot 37**

FOUNDATION DETAILS  
 MCGINNIS MODEL  
 120 MPH WIND ZONE  
 NORTH CAROLINA

Sheet:



**MULHERN+KULP**  
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3025 Boulevard Parkway, Suite 105 - Ahlsville, NC 28802  
#770-777-0074 - mulhern@mulhernkulp.com  
NC License # C-3825



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

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

REVISIONS:

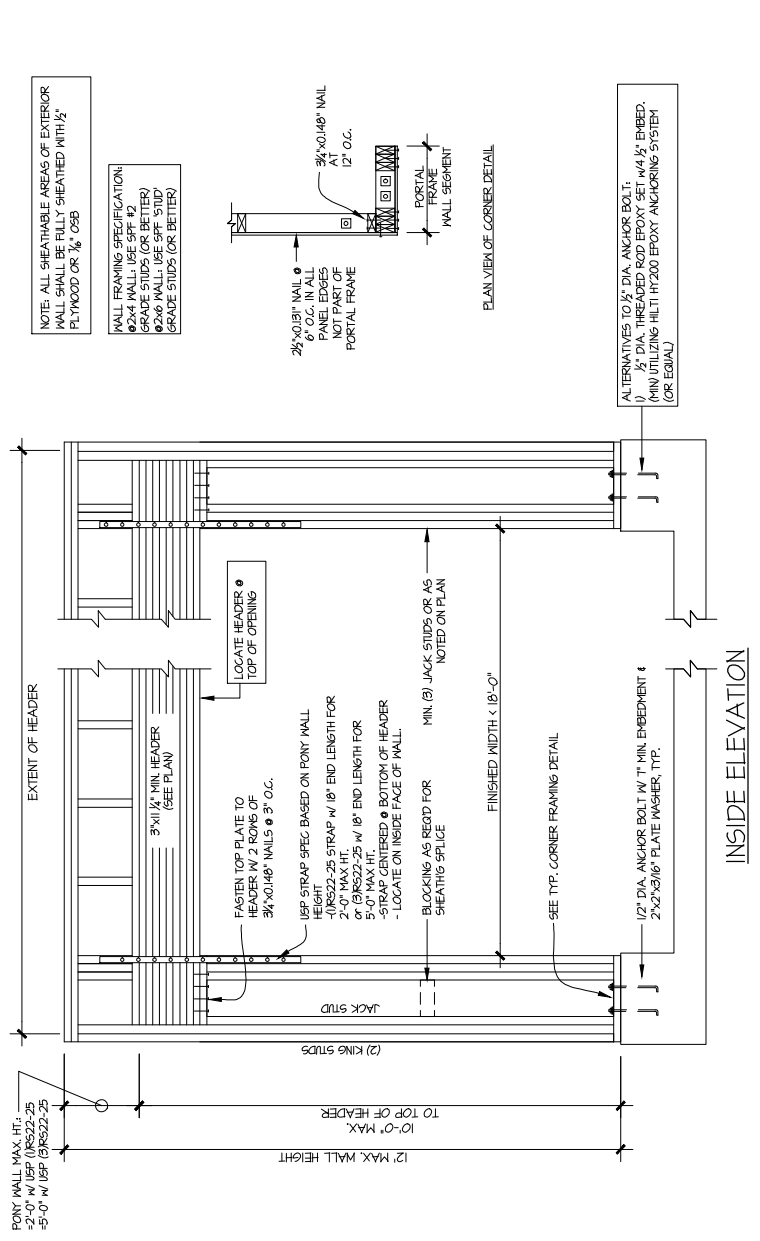
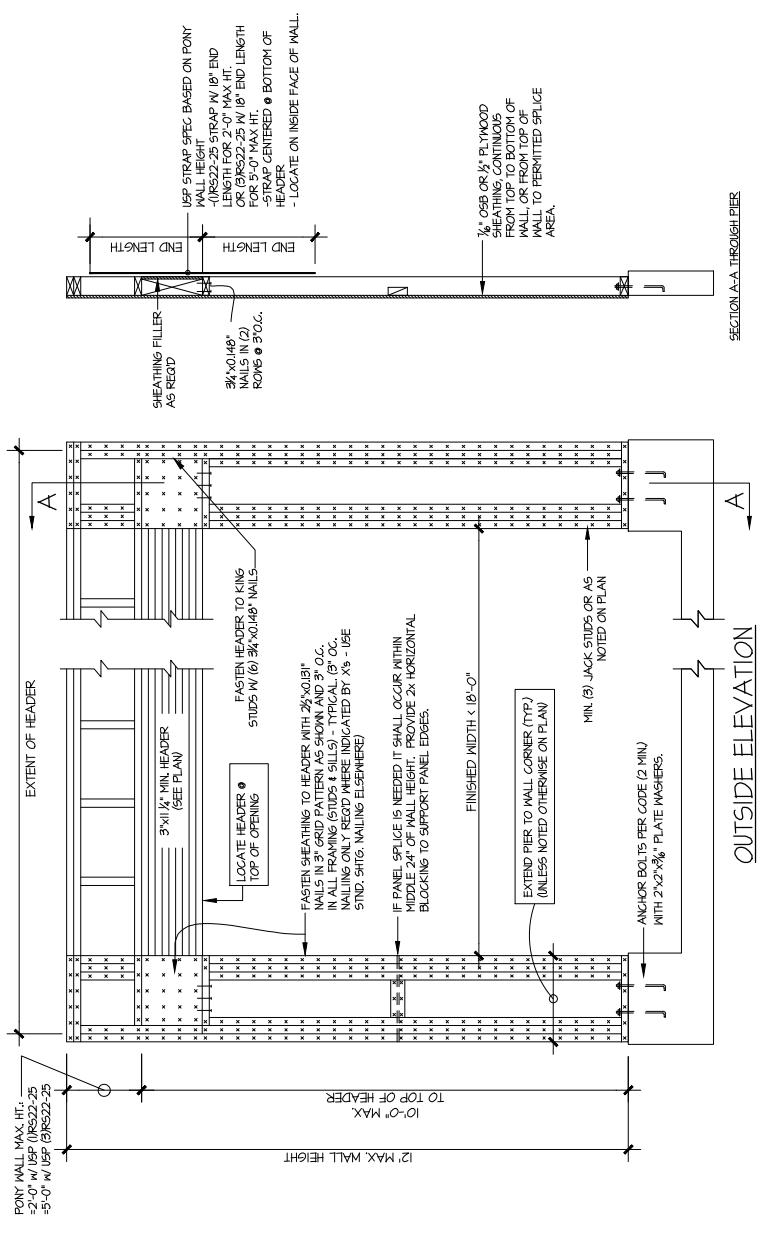
date:	initial:
11/22/21	JPP
10/26/22	MND
08/18/23	MND

SMITH DOUGLAS  
HOMES

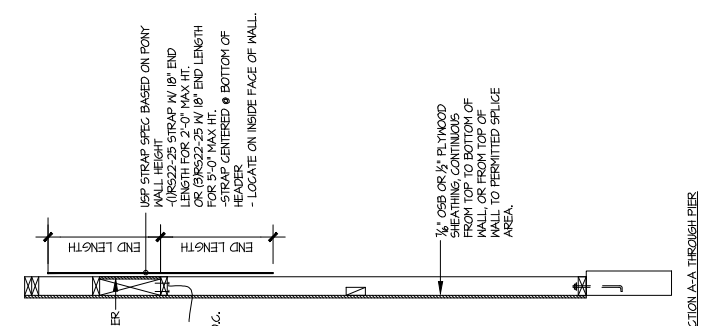
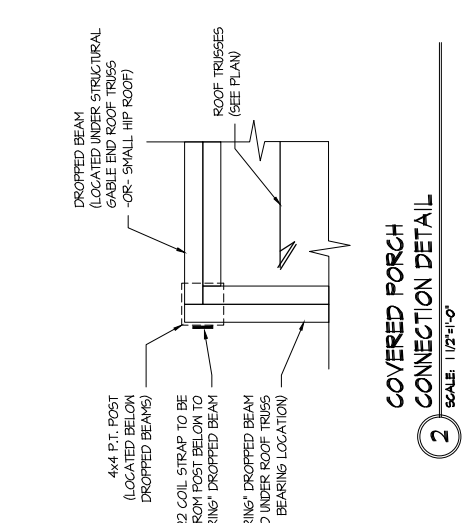
FRAMING DETAILS  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

Sheet:  
**SD2.0**

Duncans  
Lot 37

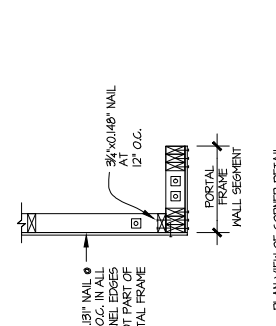


**1 GARAGE PORTAL FRAME BRACING ELEVATION**  
SCALE: N.T.S.  
BOTH SIDES OF GARAGE DOOR  
120 MPH WIND SPEED (UL)

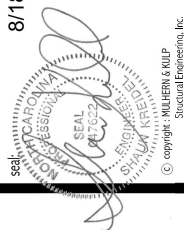


NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 5/8" OSB

WALL FRAMING SPECIFICATION:  
2x4 WALL USE SFP #2  
GRADE STUDS (OR BETTER)  
2x6 WALL USE SFP #1 STRIP  
2x6 WALL USE SFP #2 STRIP  
2x6 WALL USE SFP #2 STRIP (OR BETTER)



ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT:  
1) 1/2" DIA. TREADED ROD EPOXY SET w/ 1/4" x 1/2" EMBED. (MIN) UTILIZING HULTI HIT 200 EPOXY ANCHORING SYSTEM (OR EQUAL)



**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING  
3025 Southside Parkway, Suite 105 - Ahlsville, GA 30022  
478-777-0074 - mulhern+kulp.com

NC License # C-3825



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

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

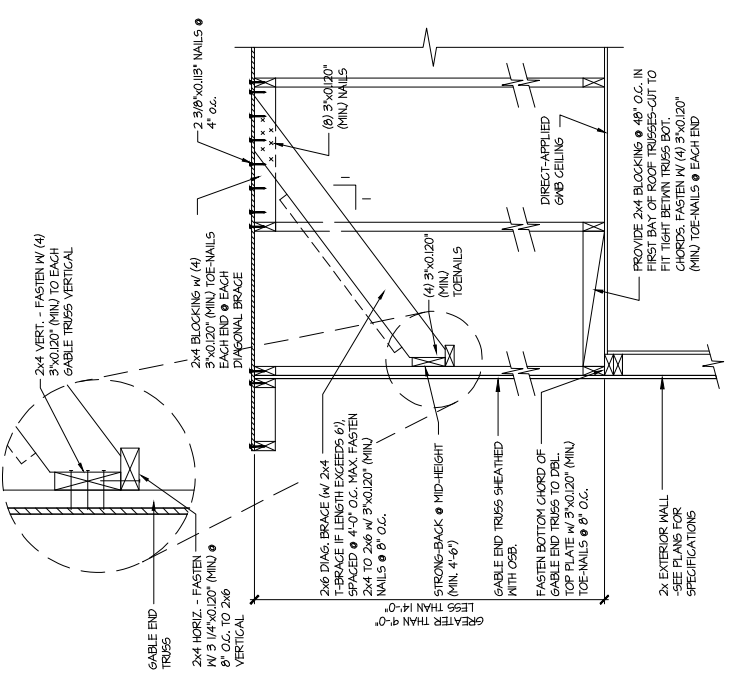
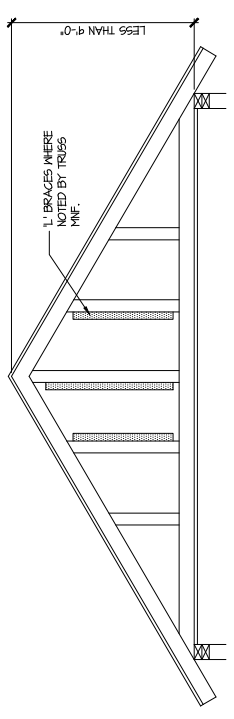
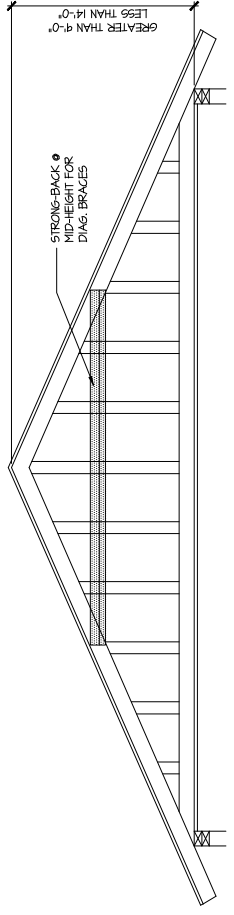
REVISIONS:  
date: 11/22/21 initial: JPP  
11/22/21 MANDATED BY STATE  
02/18/23 MND  
STRUK DETAIL FRAME GARAGE DET. NAILS

SMITH DOUGLAS  
HOMES

FRAMING DETAILS  
MCGINNIS MODEL  
120 MPH WIND ZONE  
NORTH CAROLINA

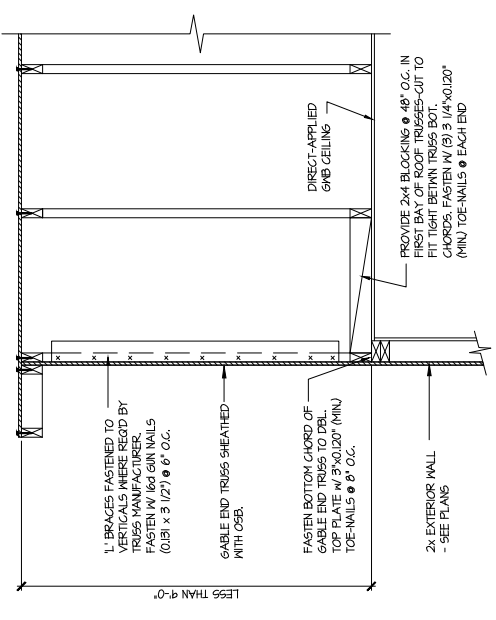
Duncans  
Lot 37

Sheet:  
**SD2.1**



**(B) TYPICAL GABLE END BRACING DETAIL**  
SCALE: NONE  
ROOF & GABLE END TRUSSES  
HEIGHT BETWEEN 4'-0" TO 14'-0"

BRACE GABLE END TRUSSES PER ABOVE DETAIL WHEN GABLE HEIGHT EXCEEDS 4'-0". L BRACES NOT REQUIRED.



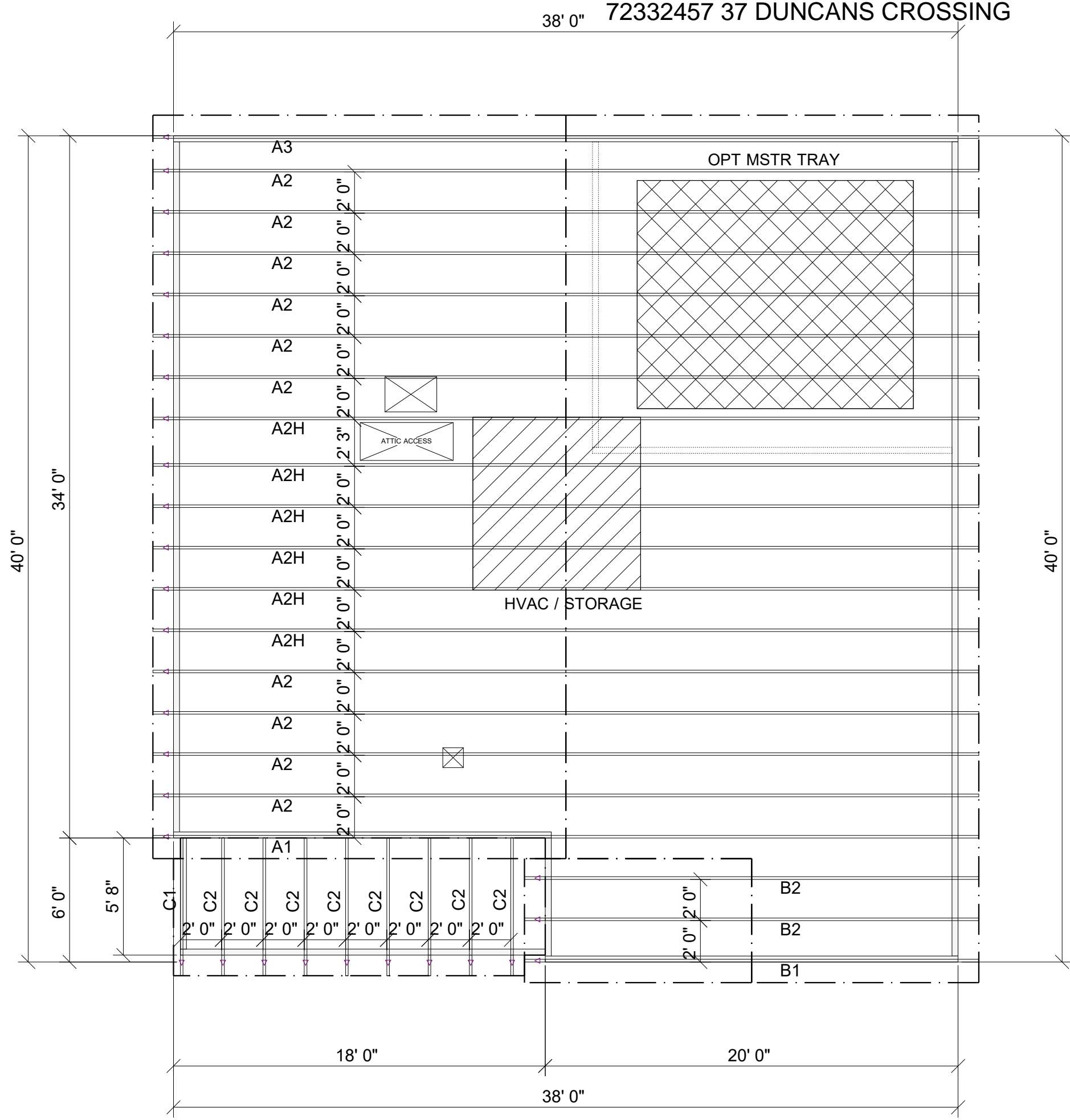
**(A) TYPICAL GABLE END BRACING DETAIL**  
SCALE: NONE  
ROOF & GABLE END TRUSSES  
HEIGHT UP TO 4'-0"

BRACE GABLE END TRUSSES PER ABOVE DETAIL WHEN GABLE HEIGHT IS LESS THAN 4'-0". L BRACES REQUIRED WHERE NOTED BY TRUSS MANUFACTURER.

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.

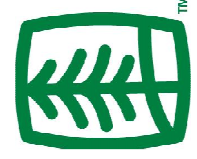
TRUSS TO WALL CONNECTIONS, IF SHOWN, ARE FOR UPLIFT ONLY AND DO NOT CONSIDER LATERAL LOADS. ALL CONNECTORS ON THIS PROJECT ARE TO BE INSTALLED PER THE CONNECTOR MANUFACTURER'S SPECIFICATIONS. ALL CONNECTORS SHOWN THAT ARE NOT "TRUSS TO TRUSS" ARE SUGGESTIONS ONLY AND ARE TO BE VERIFIED BY THE BUILDING 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	Quality Products for Quality Builders
Revision Date 1:	
Revision Date 2:	
Drawn By: AS	
Checked By: ***	
Drawing Number	PID-040121



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

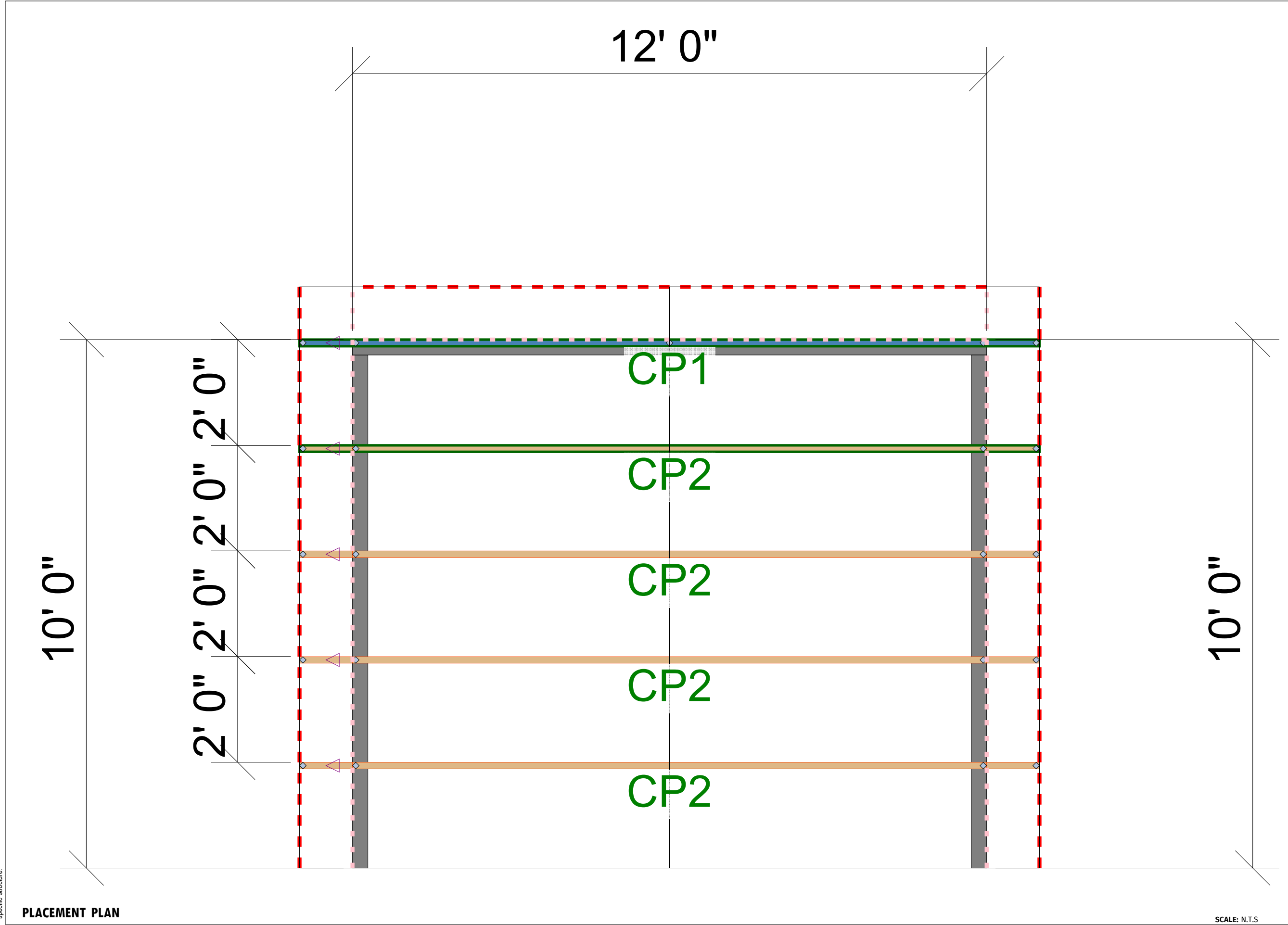
BURLINGTON, NC	PHONE (800) 476-9356
CHESAPEAKE, VA	PHONE (800) 476-3190
CLINTON, NC	PHONE (810) 590-3220
CONWAY, SC	PHONE (800) 397-9572
JEFFERSON, GA	PHONE (800) 648-4038
LOCUST, NC	PHONE (704) 888-0920
LIBERTY, NC	PHONE (800) 648-4038
OOLETWAH, TN	PHONE (641) 497-0056
PEARISBURG, VA	PHONE (800) 397-9571

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.

72332462 37 DUNCANS CROSSING

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

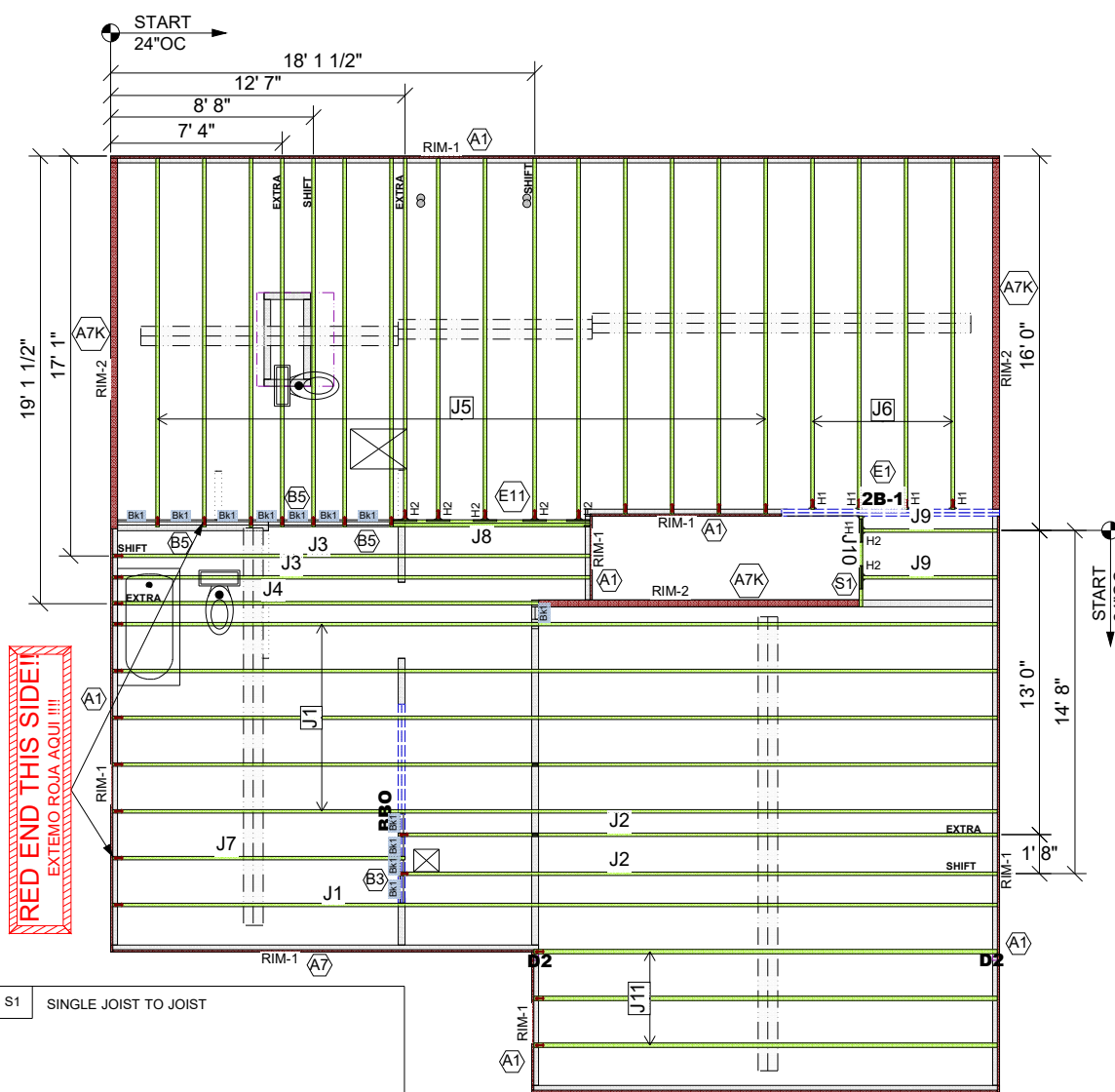
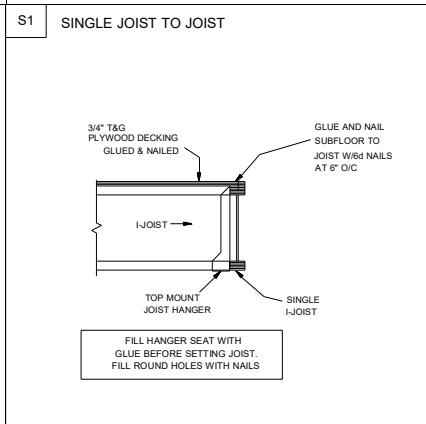
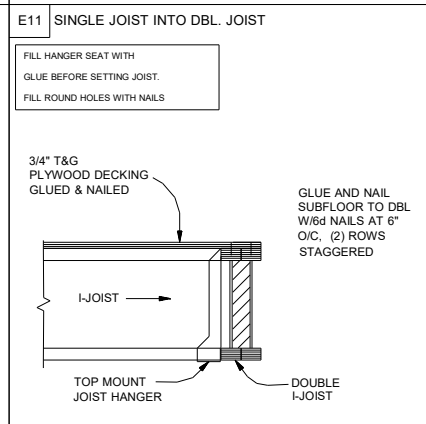
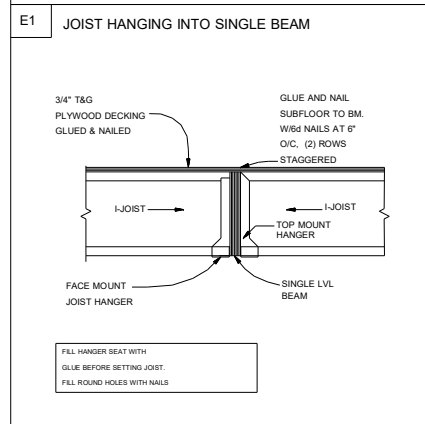
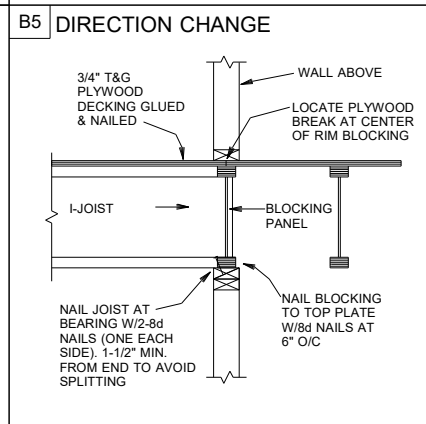
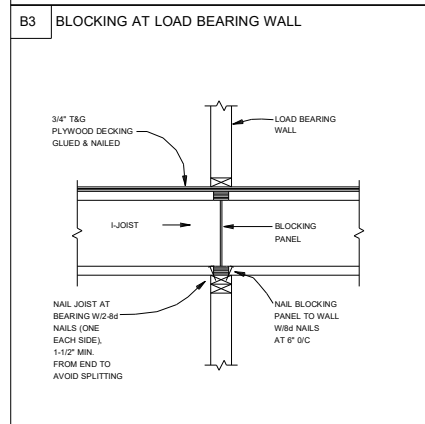
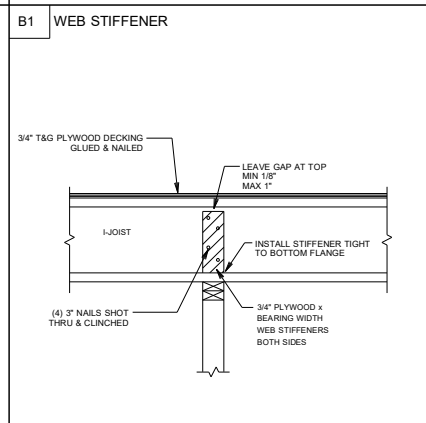
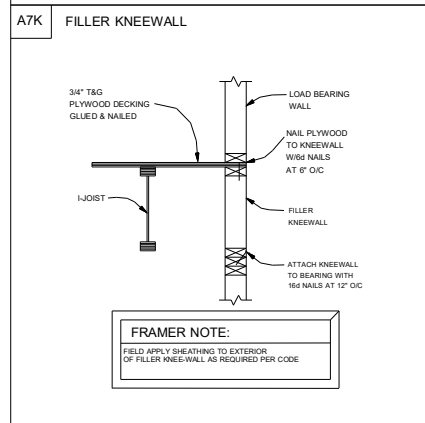
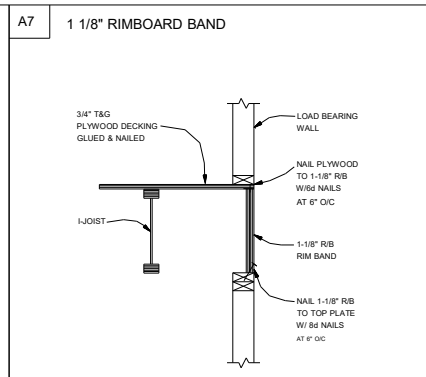
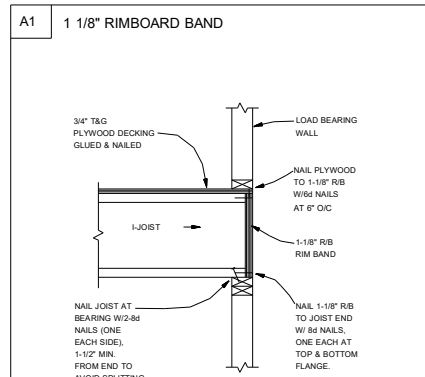
Smith Douglas

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 Chesapeake, VA Liberty, NC  
 Clinton, NC Ooltewah, TN  
 Conway, SC Pearisburg, VA  
 Jefferson, GA Stanfield, NC  
 Customer Service (800) 476-9356





Products					
PlotID	Length	Product	Plies	Net Qty	Fab Type
J1	38' 0"	14" TJ@ 110	1	6	MFD
J2	26' 0"	14" TJ@ 110	1	2	MFD
J3	21' 0"	14" TJ@ 110	1	2	MFD
J4	19' 0"	14" TJ@ 110	1	1	MFD
J5	16' 0"	14" TJ@ 110	1	16	MFD
J6	15' 0"	14" TJ@ 110	1	4	MFD
J7	13' 0"	14" TJ@ 110	1	1	MFD
J8	9' 0"	14" TJ@ 110	2	2	FF
J9	6' 0"	14" TJ@ 110	1	2	MFD
J10	4' 0"	14" TJ@ 110	1	1	MFD
J11	20' 0"	14" TJ@ 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" TJ@ Rim Board	1	9	FF
RIM-2	12' 0"	14" Kneewall	1	4	FF
Bk1	2' 0"	14" TJ@ 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.

**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)

**SHIFT** SHIFT JOIST TO MISS PLUMBING, ALIGN W/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"	

**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.

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

This layout is not an engineered drawing. This drawing was created to establish joist placement only. It is the responsibility of the builder to provide adequate support for all the elements shown in this drawing.

**UFP MID-ATLANTIC, LLC**  
 A UNIVERSAL FOREST PRODUCTS COMPANY  
 BURLINGTON, NC PHONE (800) 476-9356  
 CHESAPEAKE, VA PHONE (800) 476-3190  
 CONWAY, SC PHONE (800) 397-9572  
 JEFFERSONGA PHONE (800) 648-4038  
 PEARISBURG, VA PHONE (800) 397-9571

LOADING	DEFLECTION
ROOF LIVE 20 PSF	L/240
ROOF DEAD 20 PSF	L/180
FLOOR LIVE 40 PSF	L/480
FLOOR DEAD 10 PSF	L/240

Special Loading:

Customer: **SMITH DOUGLAS**  
 Job Name: **MCGINNIS**  
 Date: 10/17/21  
 Scale: NTS  
 Revision Date: \_\_\_\_\_  
 Revision Date: \_\_\_\_\_

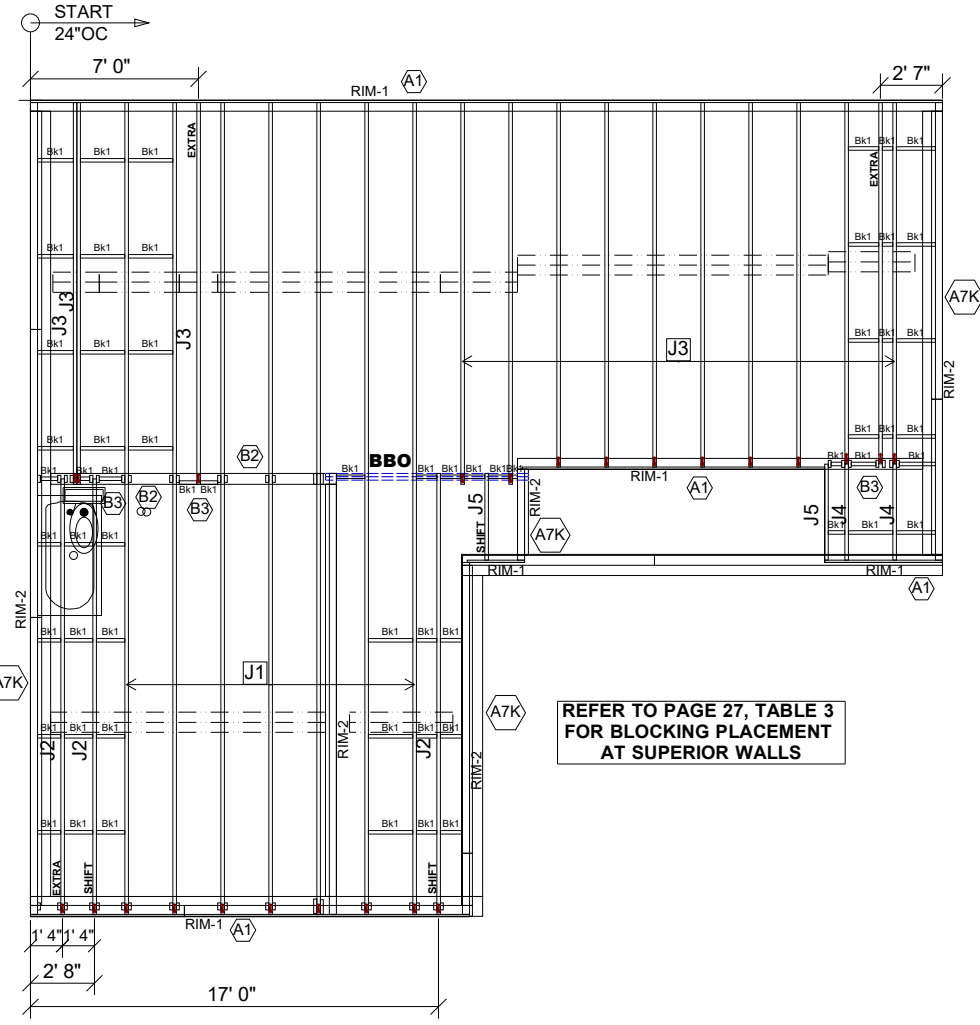
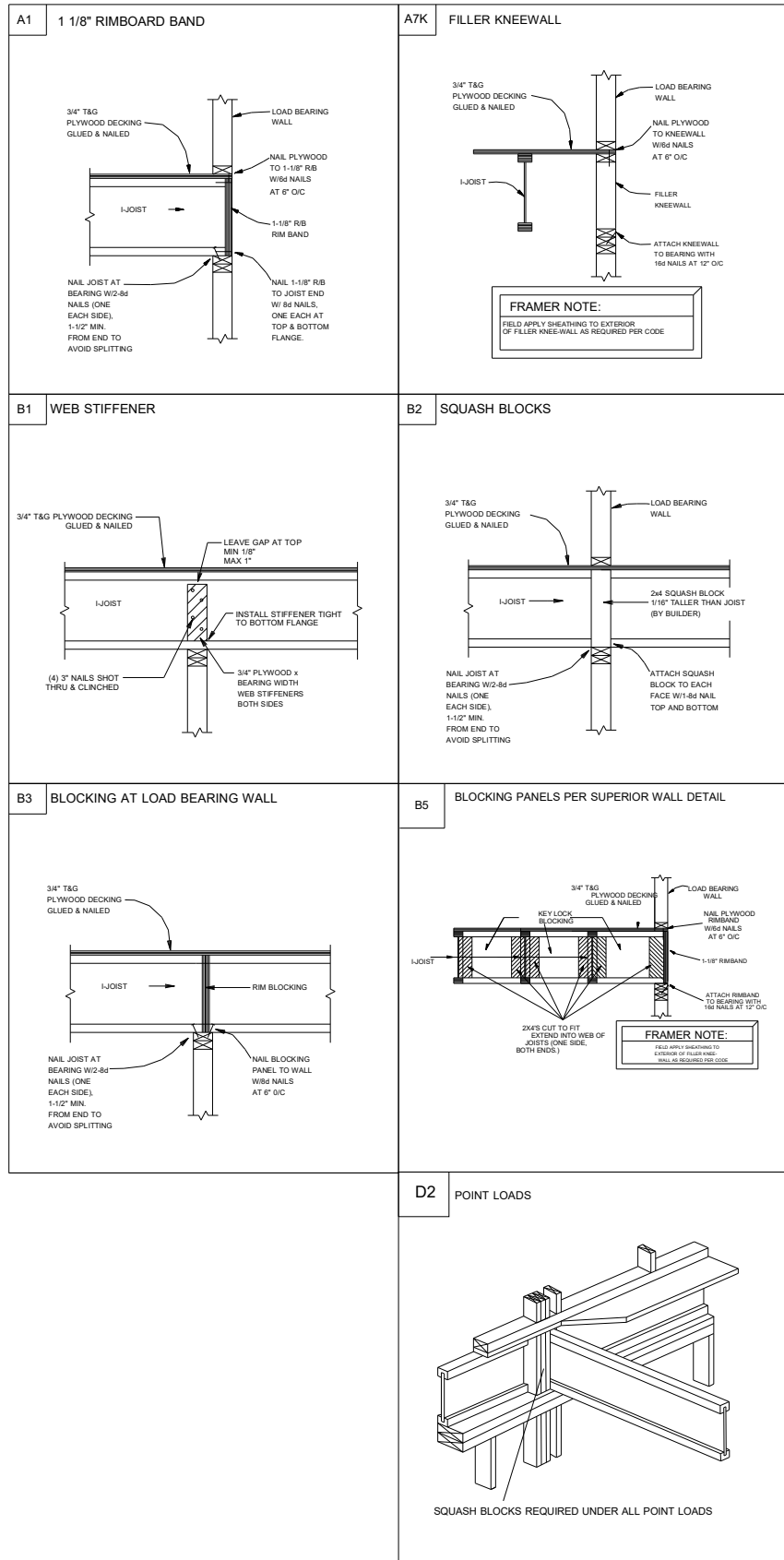
Quality Products for Quality Builders®

Lot #: \_\_\_\_\_

Drawn By: CP3  
 Drawing Number: **21090682F2**

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 Framers are 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 specific application or suitability of any connector that is not joist to joist as they apply to this specific structure.

**FLOOR PLACEMENT PLAN**



**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.

**FIELD VERIFY DIMENSIONS TO JOISTS LOCATED UNDER WALLS!!**  
**1ST FLOOR LAYOUT**

PlotID	Length	Product	Plies	Net Qty	Fab Type
J1	34' 0"	14" TJI@ 110	1	7	MFD
J2	19' 0"	14" TJI@ 110	1	3	MFD
J3	16' 0"	14" TJI@ 110	1	14	MFD
J4	5' 0"	14" TJI@ 110	1	2	MFD
J5	4' 0"	14" TJI@ 110	1	2	MFD
RIM-1	16' 0"	1 1/8" x 14" TJI@ Rim Board	1	5	FF
RIM-2	12' 0"	14" Kneewall	1	8	MFD
Bk1	10' 0"	14" TJI@ 110	1	8	MFD

**PLAN LEGEND**

**1B-, 2B- BBO- H-, 1H-, GDH-**

\*INDICATES BEAM ABOVE TOP PLATE (FLUSH WITH FLOOR SYSTEM)  
 \*INDICATES BEAM BEAM BY OTHER  
 INDICATES BEAM BELOW TOP PLATE (DROPPED BELOW FLOOR SYSTEM)

**SHIFT** SHIFT JOIST TO MISS PLUMBING, ALIGN W/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. CRITICAL !!**  
 INSTALL 2X4 SQUASH BLOCKS IN FLOOR TRUSS SPACE BELOW ALL EXTERIOR DOOR HEADER JACKS. CUT 1/16" TALLER THAN TRUSS.

REVISIONS	DATE	DESCRIPTION	DSN

DESIGNER CP3  
 LAYOUT DATE 8/28/23  
 ARCH DATE 7/23/21  
 STRUC DATE 5/24/23  
 JOB #: 23081804F1MSTR

SCALE: 1/8"=1'

SMITH DOUGLAS

MCGINNIS

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