

# CRAWFORD

HARRINGTON PLACE  
LOT 55



SMITH DOUGLAS HOMES

QUALITY | INTEGRITY | VALUE

PLAN ID 040121

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
A6.1	ROOF PLANS
A7.2	ELECTRICAL PLANS
A8.1	TRIM LOCATION LAYOUT

AREA TABULATION	
FIRST FLOOR	1826
TOTAL	1826
GARAGE	395
FRONT PORCH (COVERED)	20
REAR PATIO	120

PLAN REVISIONS			
DATE	BY	REVISION	PAGE #
9/22/23	BB	REMOVED SHOWER AND TUB SIZES ON ALL AFFECTED PAGES	A3.1, A5.1

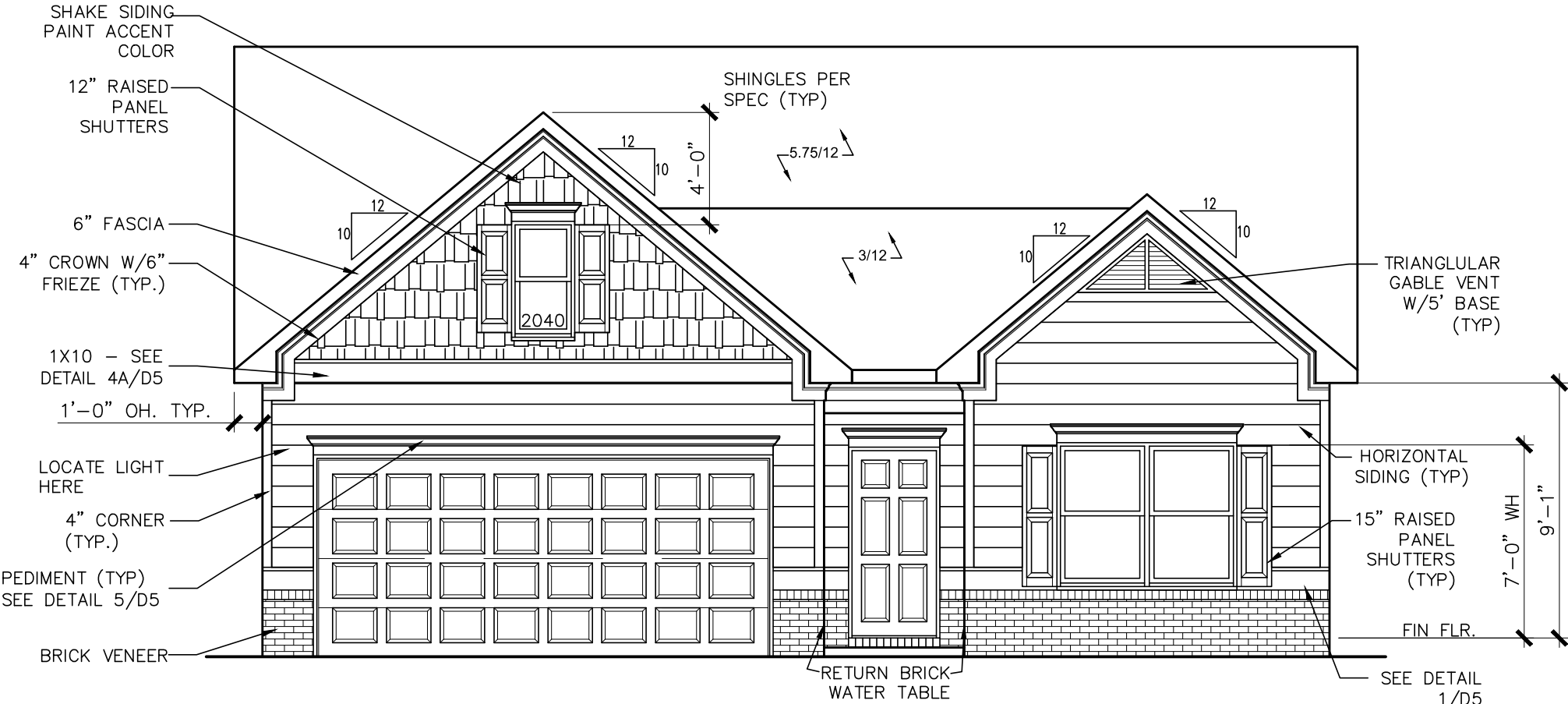
GOVERNMENTAL CODES & STANDARDS
HOME TO BE BUILT TO CONFORM TO ALL APPLICABLE LOCAL CODES, PRACTICES AND STANDARDS

BUILDING CODE ANALYSIS / DESIGN CRITERIA
HOME TO BE BUILT TO MEET OR EXCEED ALL LOCAL CODES AND DESIGN CRITERIA

HARRINGTON PLACE  
LOT 55

ALL NON-MASONRY RETURNS TO  
BE HORIZONTAL SIDING

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



FRONT ELEVATION "B"

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

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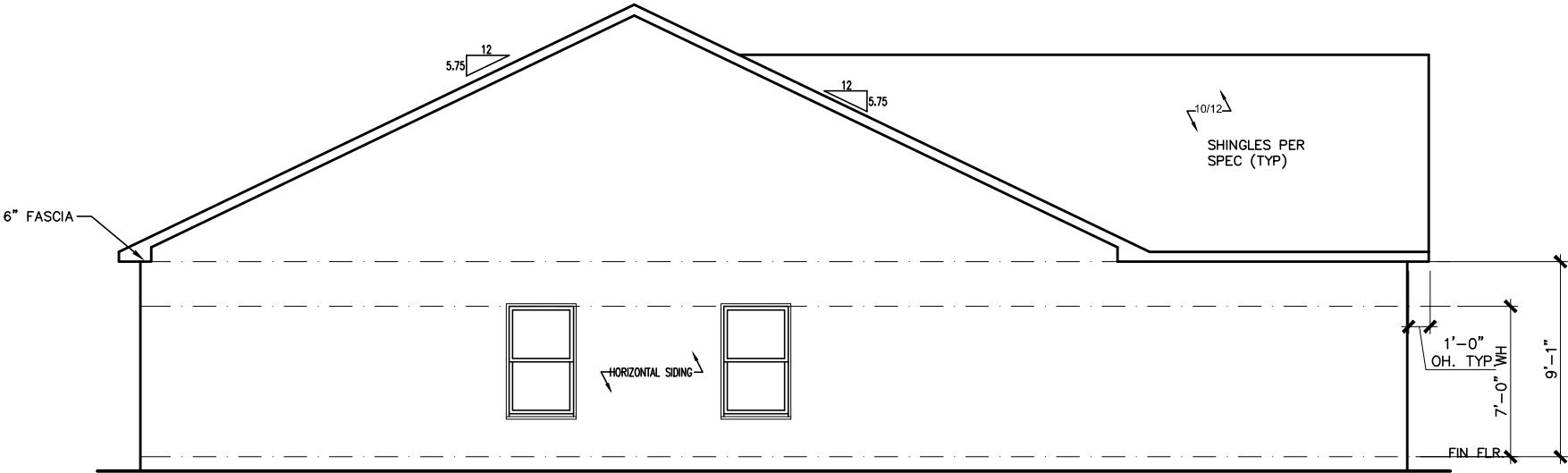
ELEVATIONS	FRONT ELEVATION	CRAWFORD
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WOODSTOCK, GA 30188  
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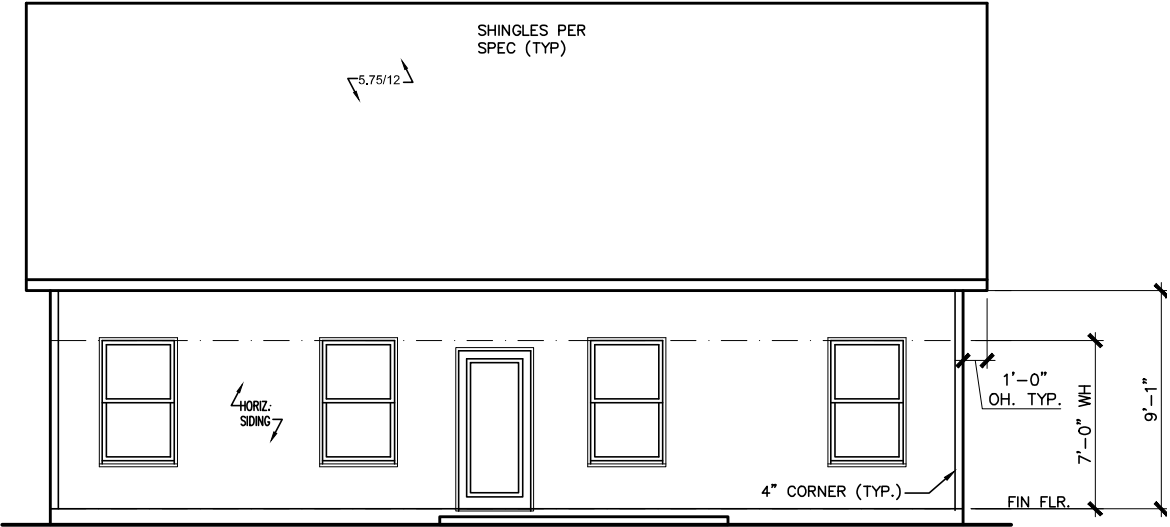
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LOT 55



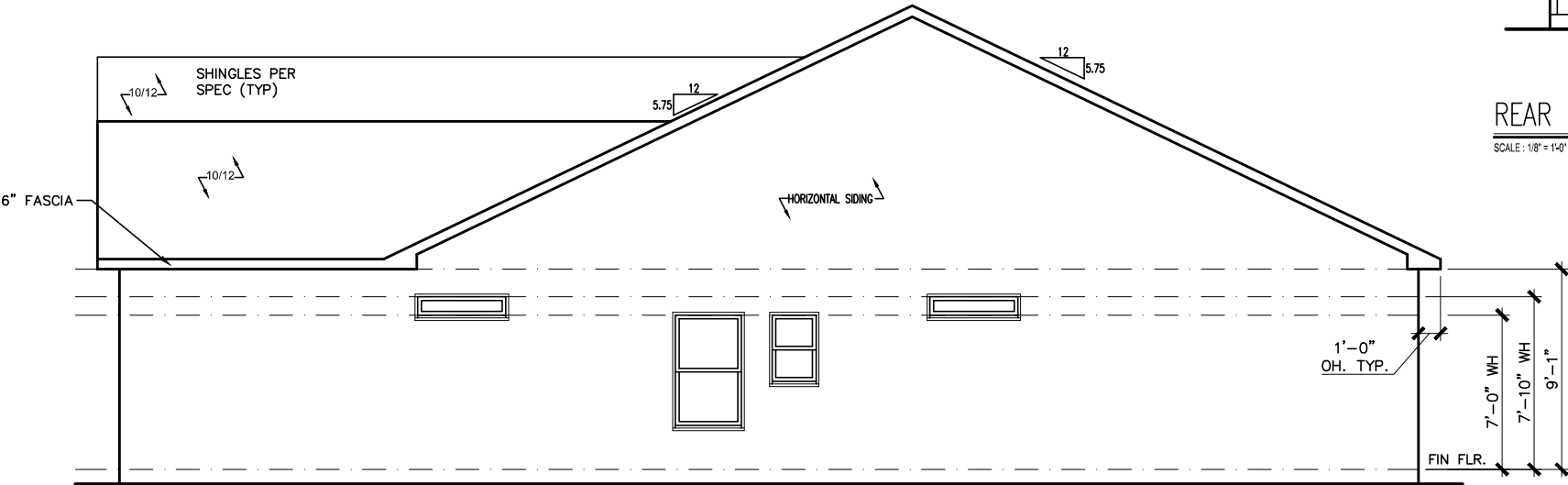
LEFT ELEVATION "B"

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



REAR ELEVATION "B"

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



RIGHT ELEVATION "B"

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

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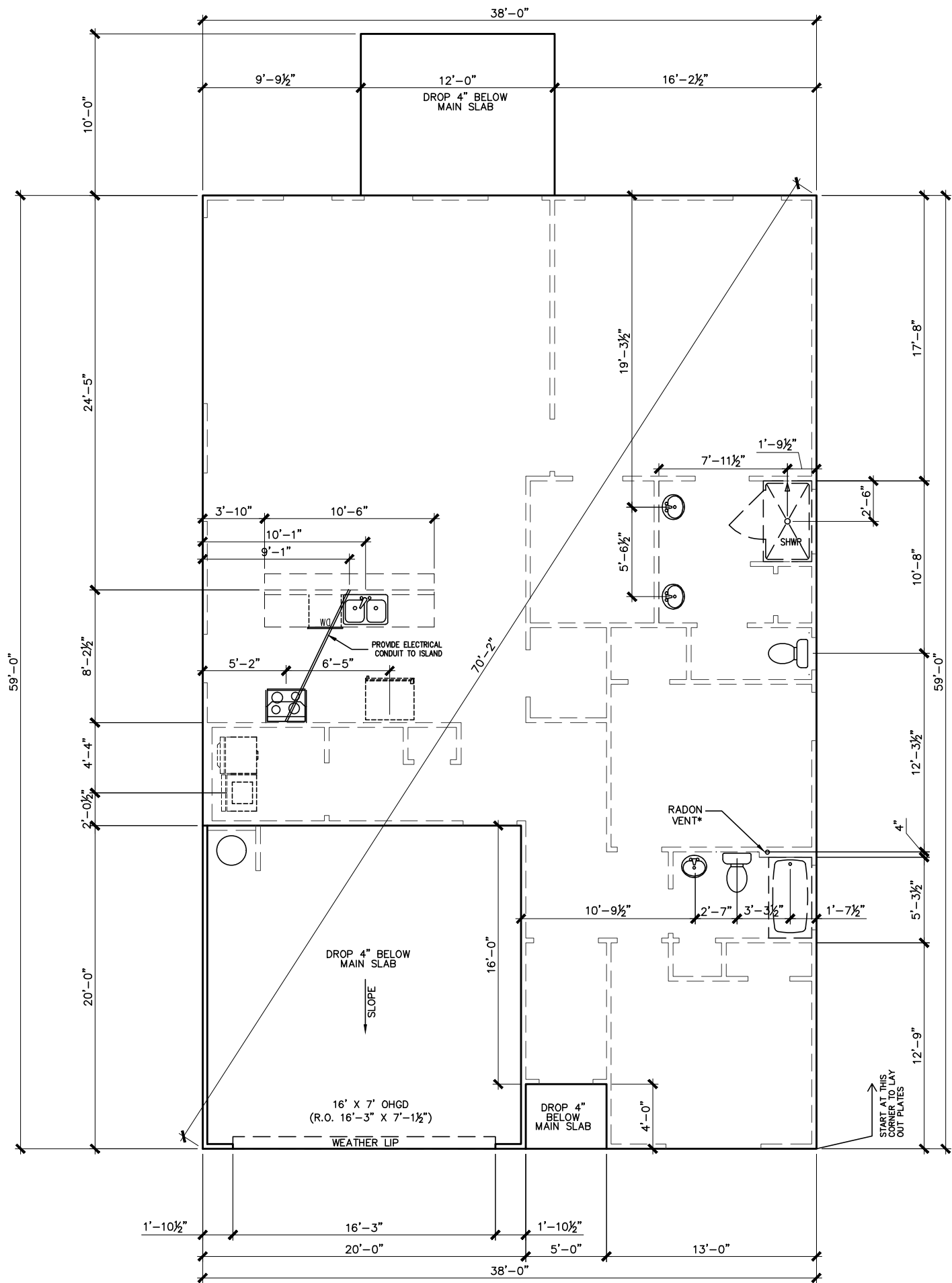
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ELEVATIONS
SIDES AND REAR
CRAWFORD

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PND:	ALL	BLEV:	B
PAGE NO:	A2.1		



SLAB PLAN

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

# HARRINGTON PLACE LOT 55

\*RADON VENT  
PROVIDED PER  
LOCAL CODE

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

DATE	BY	REVISION
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FOUNDATION PLAN
SLAB PLAN
CRAWFORD

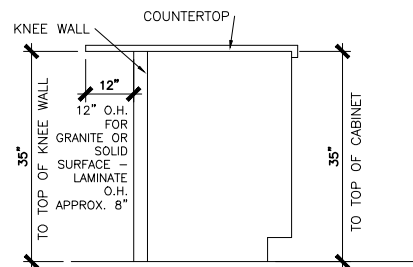
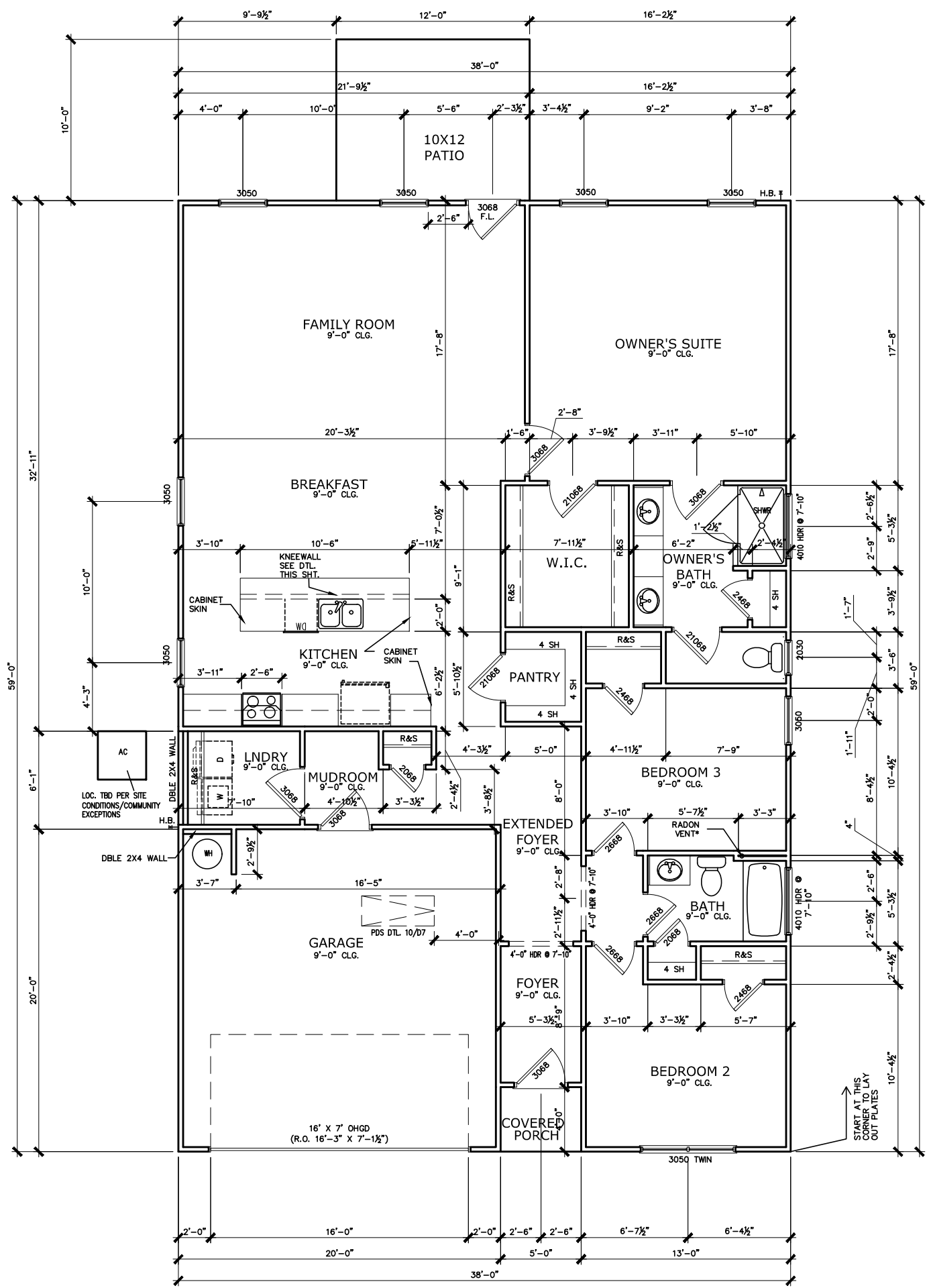
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HARRINGTON PLACE  
LOT 55



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

\*RADON VENT PROVIDED  
PER LOCAL CODE

FIRST FLOOR PLAN

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

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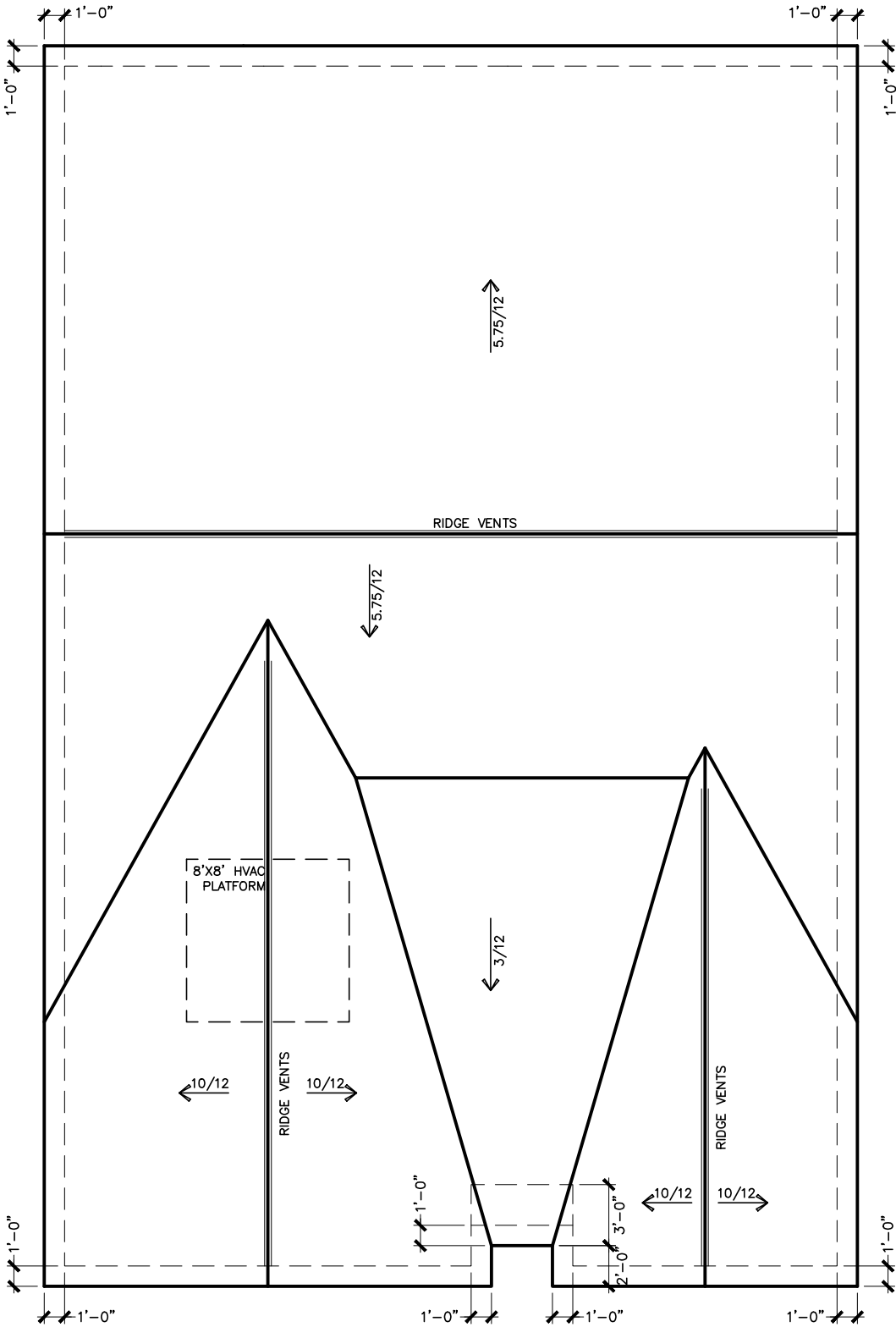
FLOOR PLAN  
FIRST FLOOR  
CRAWFORD

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HARRINGTON PLACE  
LOT 55



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

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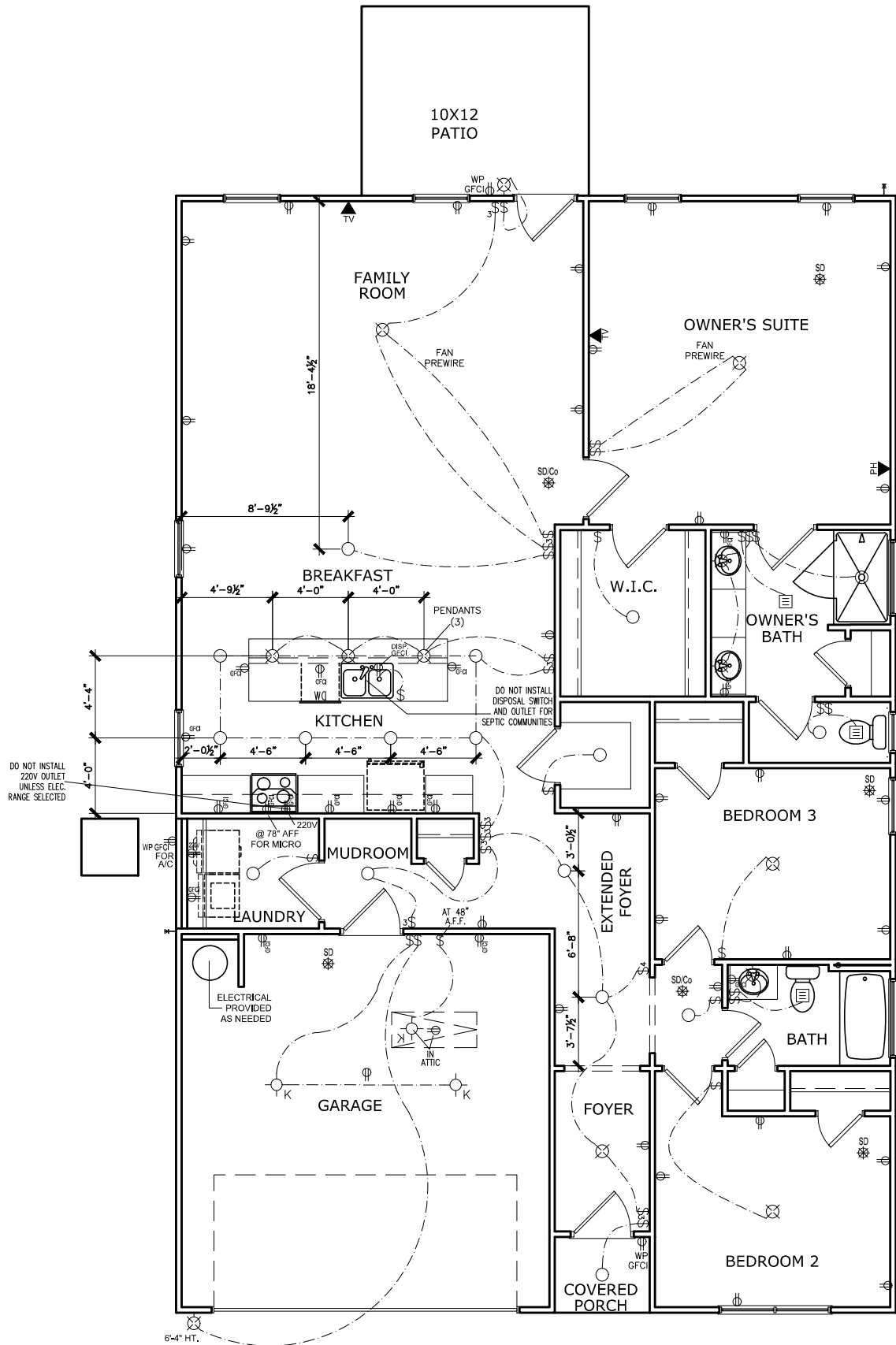
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ROOF PLAN
ROOF PLAN
CRAWFORD

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PND: ALL	B
PAGE NO: A6.1	



FIRST FLOOR ELECTRICAL PLAN

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

# HARRINGTON PLACE LOT 55

## ELECTRICAL LEGEND

\$	SWITCH	▼	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
⊕ <sub>W</sub>	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
▼	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

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

BY:	#
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ELECTRICAL PLAN

FIRST FLOOR

CRAWFORD

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110 VILLAGE TRAIL

SUITE 115

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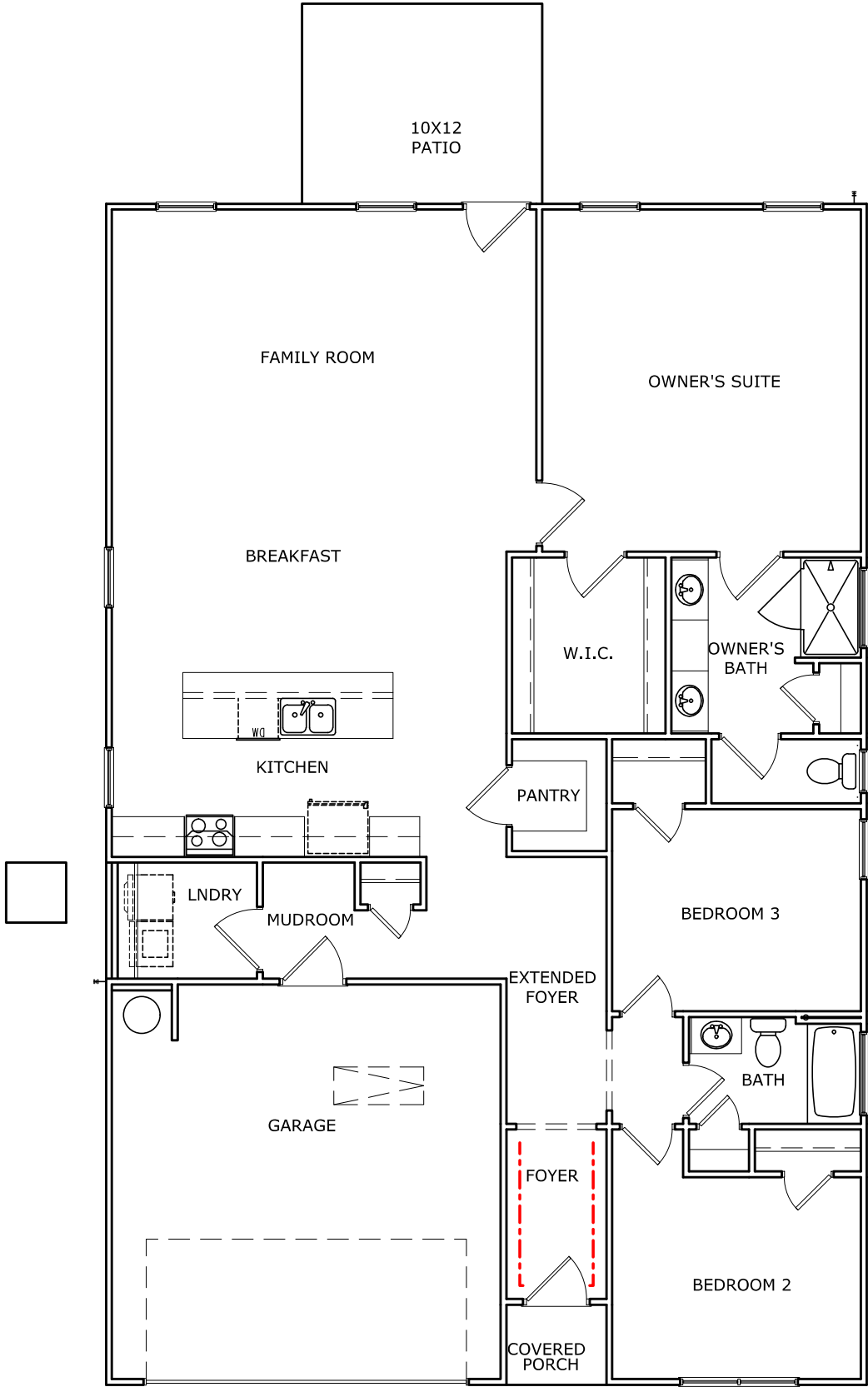
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HARRINGTON PLACE  
LOT 55



TRIM LAYOUT FIRST FLOOR PLAN

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

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FLOOR PLAN

TRIM LAYOUT

CRAWFORD

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110 VILLAGE TRAIL

SUITE 115

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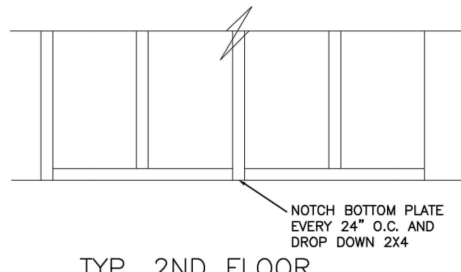
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Technical drawing of a 2-piece crown end return. The drawing shows a side view of the molding with the following labels and dimensions:

- 4" CROWN**: Dimension across the top crown.
- PAINT SPACE BETWEEN MOULDINGS TRIM COLOR**: Dimension across the gap between the crown and the base cap.
- BASE CAP**: Label for the bottom molding piece.
- 2 PIECE CROWN END RETURN**: Label for the entire assembly.
- X6 PAINTED TRIM COLOR**: Label for the side of the molding.
- 3"**: Dimension across the base cap.
- 3"**: Dimension across the gap between the crown and the base cap.

N.T.S

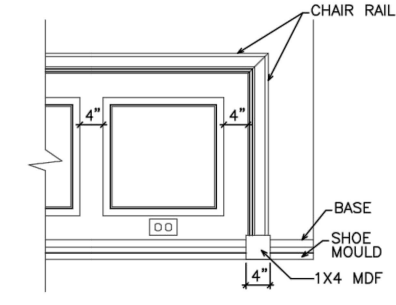


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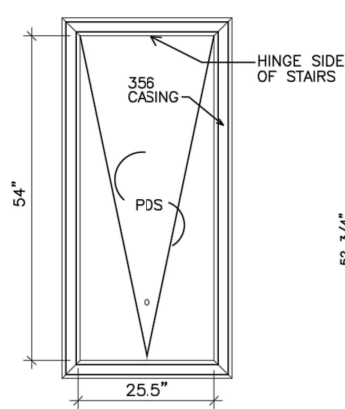
- 
- Figure 1 consists of four diagrams illustrating different window and door configurations for a room. Each diagram shows a rectangular room layout with dimensions for windows, doors, and overall room size.
- Diagram 1 (Leftmost):** Shows a room with a total width of 5'-9" and a total height of 8'-9". It features two windows, each 24" wide and 9" high, positioned 4 1/2" from the top and 1/2" from the side walls. Below the windows are two sections: a 36" wide section and a section labeled "K.S." (Kitchen Sink). The distance between the windows is 1'-4 1/2".
  - Diagram 2:** Shows a room with a total width of 8'-9" and a total height of 8'-9". It features two windows, each 30" wide and 9" high, positioned 4 1/2" from the top and 1/2" from the side walls. Below the windows are two sections: a 60" wide section and a section labeled "K.S.". The distance between the windows is 1'-9".
  - Diagram 3:** Shows a room with a total width of 6'-3" and a total height of 8'-9". It features two windows, each 24" wide and 9" high, positioned 4 1/2" from the top and 1/2" from the side walls. Below the windows are two sections: a 30" wide section and a section labeled "D.S." (Dining Sink). The distance between the windows is 2'-0".
  - Diagram 4 (Rightmost):** Shows a room with a total width of 7'-1/2" and a total height of 8'-9". It features two windows, each 30" wide and 9" high, positioned 4 1/2" from the top and 1/2" from the side walls. Below the windows are two sections: a 36" wide section and a section labeled "D.S.". The distance between the windows is 1'-5".

N.T.S



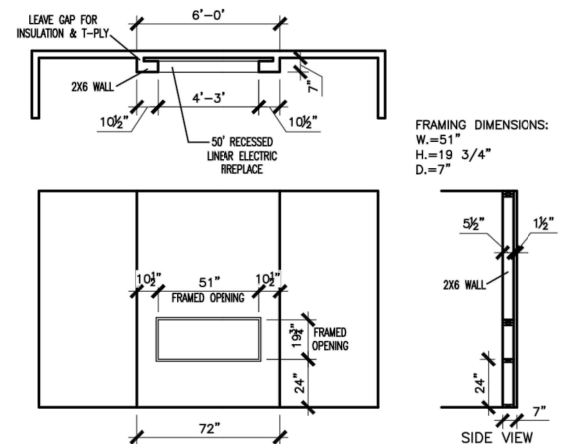
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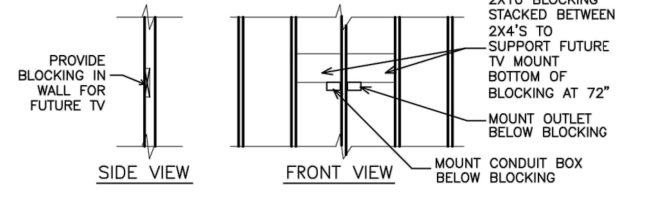
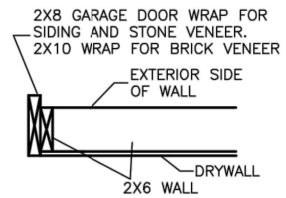
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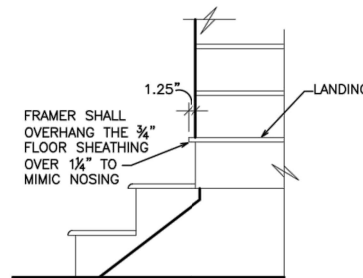


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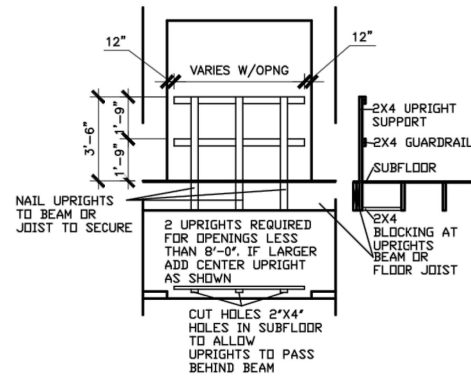
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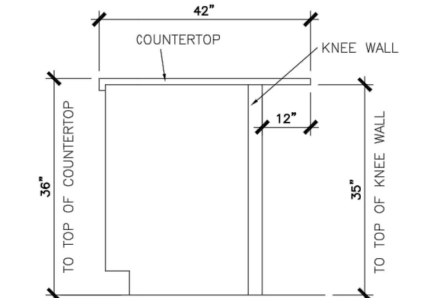
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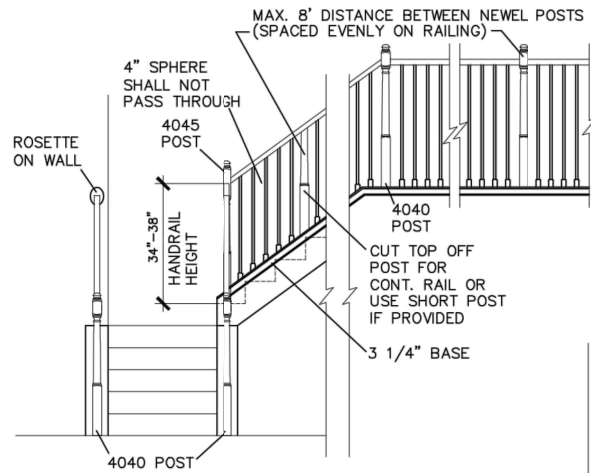
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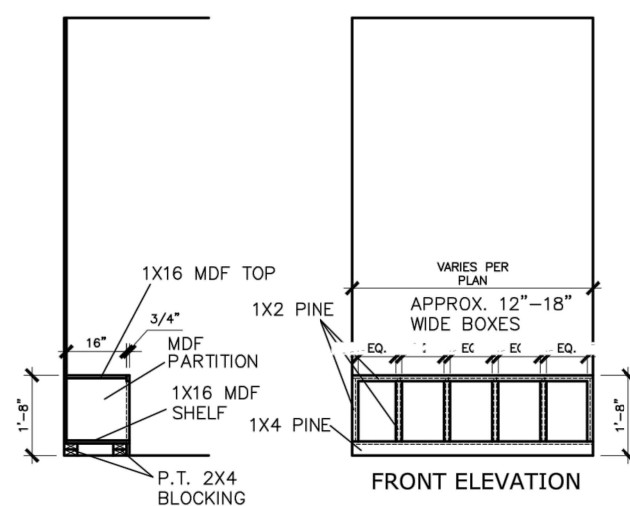
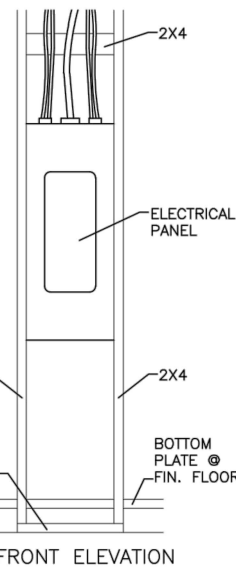
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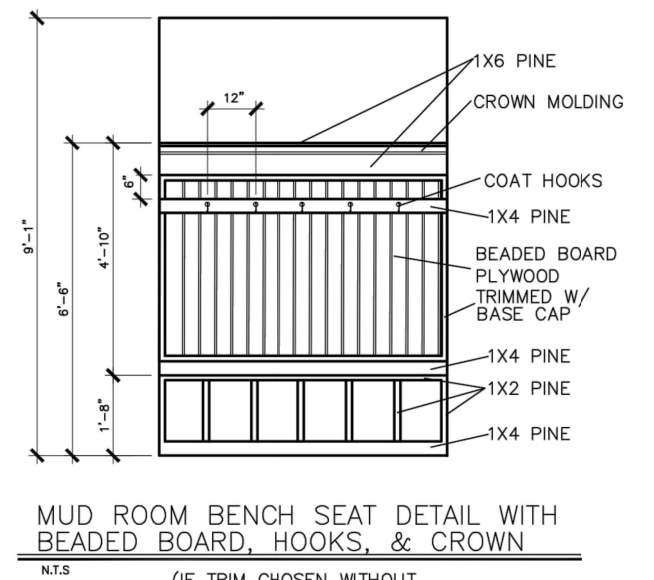
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N.T.9



N.T.S



N.T.

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TE: 6/13/23	
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AN ID:	
D:	ELEV:
GE 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 SOLE PL. TO JOIST/RIM OR BLK'G STUD TO PLATE	(3) TOENAILS NAILS @ 4" O.C. (4) TOENAILS/ (3)END NAILS	(3) TOENAILS* NAILS @ 4" O.C. (4) TOENAILS/ (4)END NAILS*
RIM TO TOP PLATE	TOENAILS @ 6" O.C.	TOENAILS @ 4" O.C.*
BLK'G. BTWN. JOISTS TO TOP PL.	(3) TOENAILS EA. END	(3) TOENAILS EA. END*
DOUBLE STUD	NAILS @ 16" O.C.	NAILS @ 16" O.C.
DOUBLE TOP PLATE	NAILS @ 12" O.C.	NAILS @ 8" O.C.
DOUBLE TOP PLATE LAP SPLICE (12" NAILS IN LAPPED AREA (24" MIN.)	(12) NAILS IN LAPPED AREA (24" MIN.)	(15) NAILS IN LAPPED AREA (24" MIN.)
TOP PLATE LAP @ CORNERS & INTERSECTING WALLS	(3) NAILS	(3) NAILS
RAFTER/TRUSS TO TOP PLATE	(4) TOENAILS + (1) SIMPSON H25T TOENAILS @ 8" O.C.	(4) TOENAILS + (1) SIMPSON H25T TOENAILS @ 6" O.C.
GAB. END TRUSS TO DBL. TOP PL.	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 6" O.C.	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 4" O.C.
R.T. w/ HEEL HT. 9 1/4" TO 12"	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 6" O.C.	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE w/ TOENAILS @ 4" O.C.
R.T. w/ HEEL HT. 12" TO 16"	LAP WALL SHTG. w/ DBL. TOP PL. # INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C.	LAP WALL SHTG. w/ DBL. TOP PL. # INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C.*
R.T. w/ HEEL HT. UP TO 24"	LAP WALL SHTG. w/ DBL. TOP PL. # INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL	LAP WALL SHTG. w/ DBL. TOP PL. # INSTALL ON TRUSS VERT. - FASTEN w/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL*
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 TRUSSES AND ENGINEERED JOISTS SHALL BE  
DESIGNED TO MEET THE DEFLECTION CRITERIA  
BELOW, UNLESS NOTED OTHERWISE ON PLAN.  
MULHERN & KULP CANNOT BE HELD RESPONSIBLE  
FOR ANY STRUCTURAL ISSUES RELATED TO ANY  
BUILDING COMPONENT IF COMPONENT SHOP  
DRAWINGS ARE NOT SUBMITTED TO MK FOR REVIEW  
PRIOR TO FABRICATION, DELIVERY, OR  
INSTALLATION.

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

- A. ROOF TRUSSES:  
1/4" DEAD LOAD  
B. ATTIC TRUSSES, & I-JOISTS:  
1/8" DEAD LOAD

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

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 1/2" - 3 1/2" VENEER w/ 40 psf MAXIMUM HEIGHT.  
- < 8" SHALL HAVE 4" MIN. BEARING  
- > 16" SHALL HAVE 8" MIN. BEARING  
- < 16" SHALL NOT BE FASTENED BACK TO HEADER.  
- > 16" SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @48" O.C. w/ 1/2" DIA. x 3 1/2"  
LONG LAG SCREWS IN 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 PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE  
ABOVE PARAMETERS.  
\* FOR QUEEN VENEER USE L4x3x1/2".

MK STD. - MAY 2016

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NCSCB-RESIDENTIAL CODE
- FOOTING DESIGN - 2,000 PSF NET ALLOWABLE SOIL BEARING  
PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.
- FASTEN 2x4/6 SILL PLATES TO CONC FND WITH A MINIMUM OF 2  
ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:  
• 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C., 1" MIN. EMBEDMENT  
• F44 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<sub>c</sub> = 4,000 psi: ..... FOUNDATION WALLS  
3,000 psi: ..... FOOTINGS & INTERIOR SLABS ON GRADE  
3,500 psi: ..... GARAGE & EXTERIOR SLABS ON GRADE  
f<sub>y</sub> = 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-CL, OR CL) IS  
UTILIZED FOR BACKFILL, CONTACT MULHERN & KULP FOR  
FURTHER EVALUATION OF FOUNDATION DESIGN.

- BASEMENT WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY  
ADEQUATE TEMPORARY BRACING OR INSTALL 1st FLOOR DECK.

- ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS  
THAN 5% OR MORE THAN 1% AIR ENTRAINMENT.

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

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

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

- JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR  
15'-0" O.C. (MAXIMUM)
- JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS  
POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO
- CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL  
SLABS

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

- DIMENSIONS BY OTHERS, BUILDER TO VERIFY.

MK STD. - MAY 2012

LEGEND

- 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.)

- INTERIOR BEARING WALL

- BEARING WALL ABOVE (B.N.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:

115 MPH WIND IN 2018 NCSCB-RC  
& 115 MPH WIND IN 2018 IRC

(115 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 NCSCB-RC & 2018 IRC. IF THE  
PARAMETERS OF SECTION R602.12 COMPLY.  
ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND  
DETAILED HEREWITHIN, IS ADEQUATE TO RESIST THE  
CODE REQUIRED LATERAL FORCES.

DESIGN WIND UPLIFT LOADS HAVE BEEN  
CALCULATED UTILIZING ASCE 7 (ACCEPTED  
ENGINEERING PRACTICE) AS ALLOWED PER 2018  
NCSCB-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.

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 1/5/32" 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 STD. - MAR 2016

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
	USP STAD10 HOLDDOWN

FLOOR FRAMING

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

ROOF FRAMING

- ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16  
EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS  
- w/ 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD.  
- w/ 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES & @ 8" O.C. FIELD.  
- w/ 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES & @ 6" O.C. FIELD.
- WITHIN 48" OF ALL ROOF EDGES, RIDGES, & HIPs FASTEN ROOF  
SHEATHING FIELDS PER EDGE NAILING SPEC.
- FASTEN EACH ROOF TRUSS TO TOP PLATE w/ USP 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 ITCA & TP1'S BC51 I  
"GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING  
OF METAL PLATE CONNECTED WOOD TRUSSES."
- SUPPORT SHORT SPAN ROOF TRUSSES w/2x4 LEDGER FASTENED TO  
FRAMING w/(2) 3" x 0.120" NAILS @ 16" O.C. (UP TO 1" SPAN).

MK STD. - MAR 2016

MEANS & METHODS NOTES

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE  
AFTER THE BUILDING IS FINISHED AND ALL PLAN, DETAIL, AND NOTE  
SPECIFICATIONS HAVE BEEN COMPLETED. IT IS THE CONTRACTOR'S  
SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES  
AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS  
COMPONENTS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT  
LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING,  
TEMPORARY BRACING, 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 NCSCB-RESIDENTIAL CODE
- WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN  
SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.
- DESIGN LOADS:  
ROOF LIVE = 20 PSF  
DEAD = 7 PSF T.C., 10 PSF B.C.  
LOAD DURATION FACTOR = 1.25  
FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS)  
DEAD = 10 PSF (I-JOIST5)  
ADD'L 10 PSF @ CERAMIC TILE IN BATHS & LAUND.  
SOIL 2,000 PSF ASSUMED ALLOWABLE BEARING  
PRESSURE (TO BE VERIFIED BY BUILDER)

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD  
CONNECTIONS TABLE (IRC TABLE R602.3.11) OR ON PLANS. ALL  
NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR  
CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER  
MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY.  
NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL  
FRAMING GUN NAILS.
- EXT. & INT. BEARING WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON  
PLANS) @ 16" O.C. SPF/SP "STUD" GRADE LUMBER, OR BETTER, U.N.O..  
• WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL INTERIOR BEARING WALLS ARE ASSUMED TO BE SHEATHED w/  
GYP WALL BOARD (ONE SIDE MIN) OR PROVIDE MID HT. BLOCKING.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE  
SPRUCE-PINE-FIR #2 (GPF) 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<sup>6</sup> psi
- ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:  
• 'LVL' - Fb=2400 psi; FcII=2500 psi; E=1.8x10<sup>6</sup> psi
- FOR 2 & 3 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES  
TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS  
USP W635 SCREWS (OR 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 FOR 3-PLY CONDITION. LOCATE  
TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/4"  
BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8  
MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES  
TOGETHER WITH 3 ROWS OF USP 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.

MK STD. - MAR 2016

HARRINGTON  
LOT 55

GENERAL STRUCTURAL NOTES

CRAWFORD MODEL

RALEIGH, NC

SMITH DOUGLAS  
HOMES

Mulhern+Kulp project number:  
256-21005

project mgr: SMK  
drawn by: MJF  
issue date: 08-04-2021

REVISIONS:  
date: 11/22/21 initial: JPP  
REVISIONS PLANS ADDED

12/8/21  
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CAROLINA  
PROFESSIONAL  
ENGINEER  
SHAUN KREIDEL  
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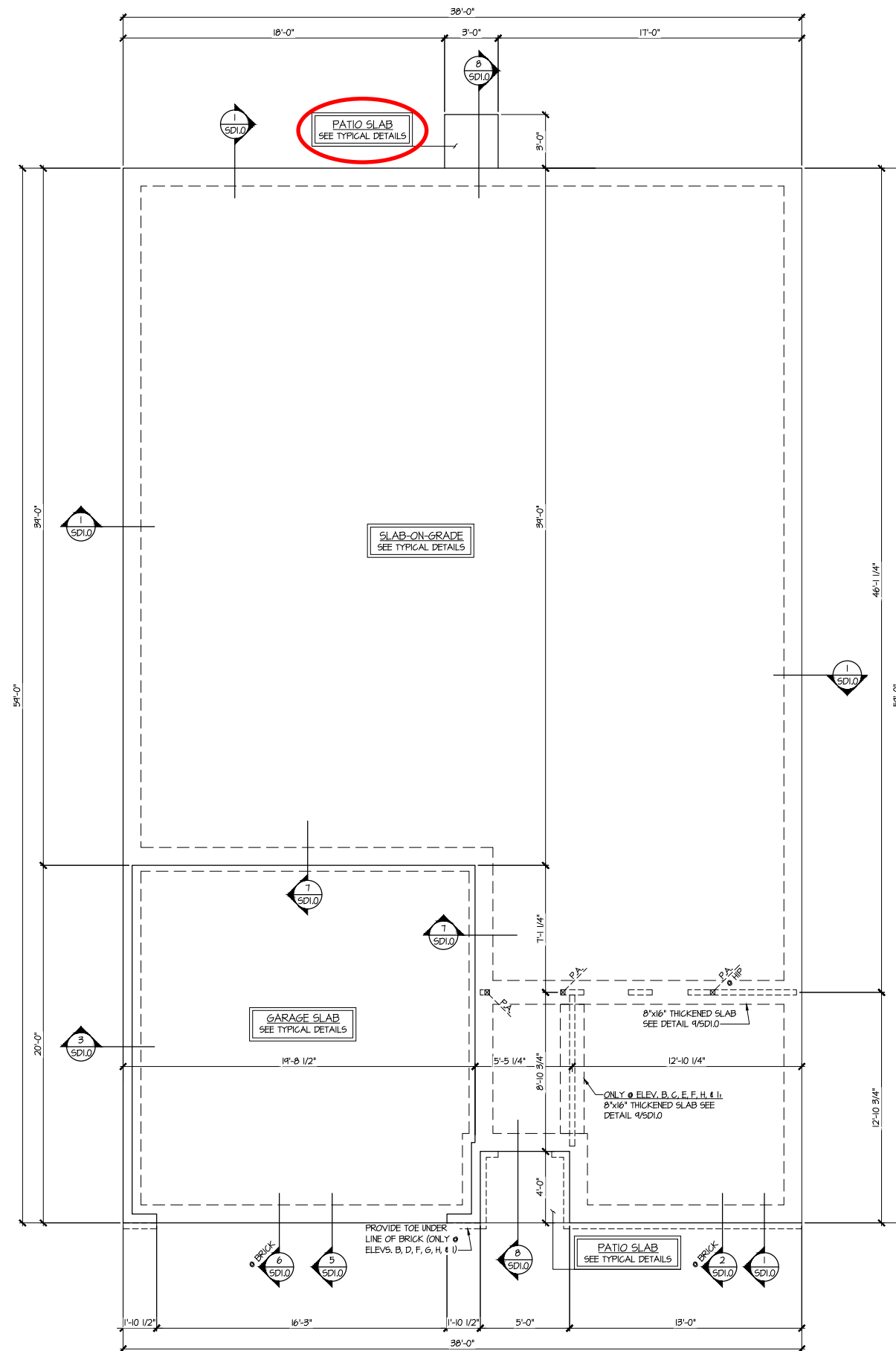


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NC License # C-3825

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# MONO-SLAB FOUNDATION PLAN

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

ELEV. A SHOWN  
(ALL ELEV. SIM)

## HARRINGTON LOT 55

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

NOTE:  
IF EXTERIOR WALLS ARE NOT CONTINUOUSLY  
SHEATHED W/ OSB, REFER TO SHEET 54.0  
FOR HOLDOWN REQUIREMENTS / LOCATIONS

### 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.)
- 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.

12/8/21  
Seal  
SHAUN KREIDEL  
ENGINEER  
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Mulhern+Kulp project number:  
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REVISIONS:  
date: 11/22/21 initial: JPP  
REVISED PLANS ADDED

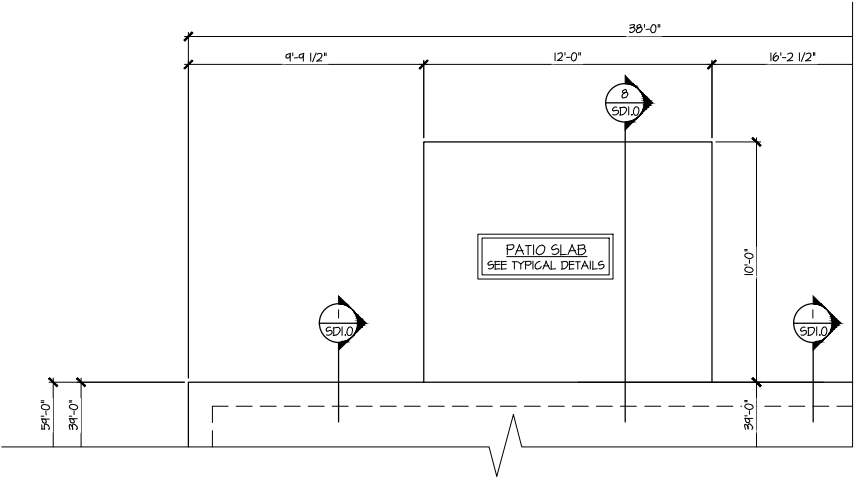
SMITH DOUGLAS  
HOMES

MONO-SLAB FOUNDATION

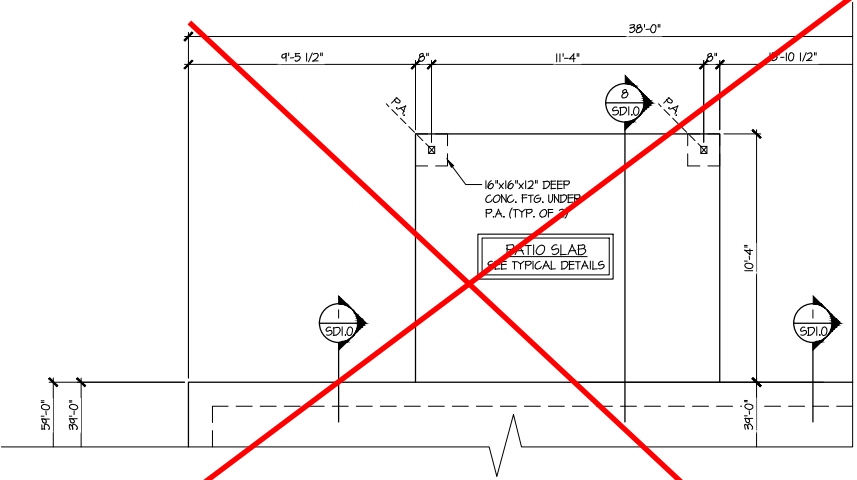
CRAWFORD MODEL

RALEIGH, NC

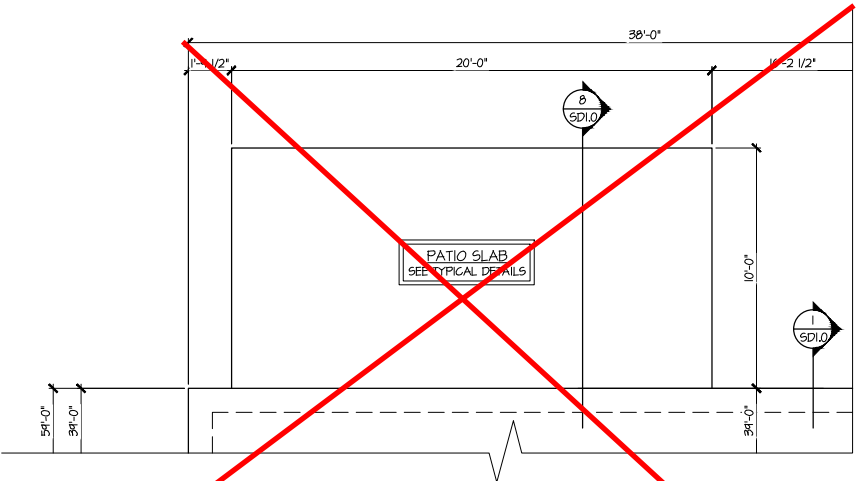
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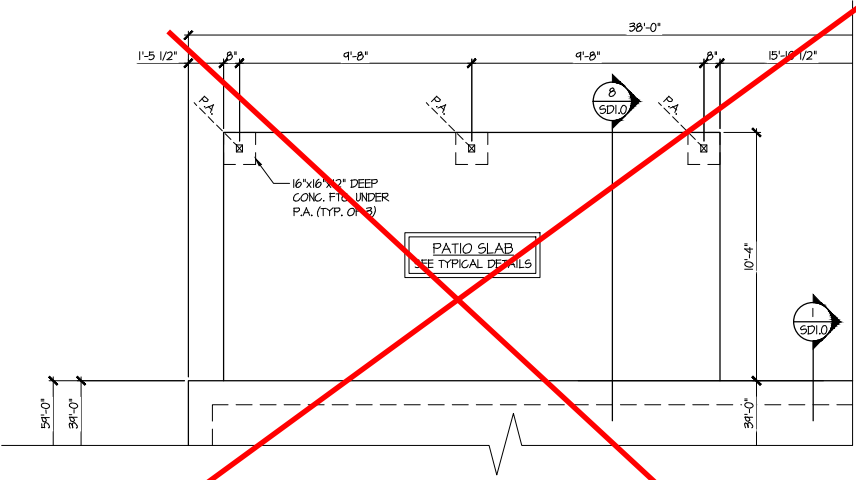
1 PARTIAL MONO-SLAB FOUNDATION PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. PATIO



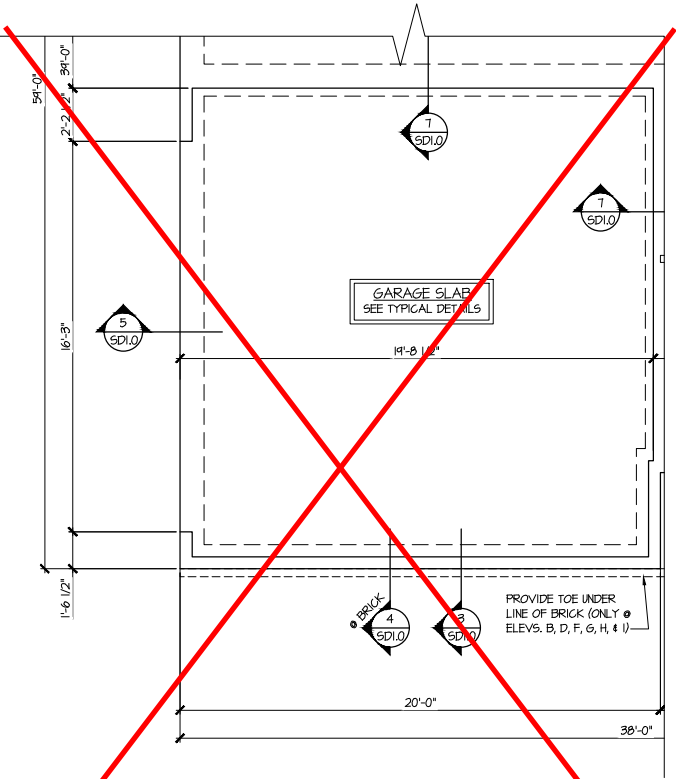
2 PARTIAL MONO-SLAB FOUNDATION PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. COVERED PORCH



3 PARTIAL MONO-SLAB FOUNDATION PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. EXT. PATIO



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



5 PARTIAL MONO-SLAB FOUNDATION PLAN  
SCALE: 1/4"=1'-0" ON 22x34  
1/8"=1'-0" ON 11x17  
OPT. SIDE ENTRY GARAGE  
ELEV. A SHOWN  
(ALL ELEV. SIM.)

HARRINGTON  
LOT 55

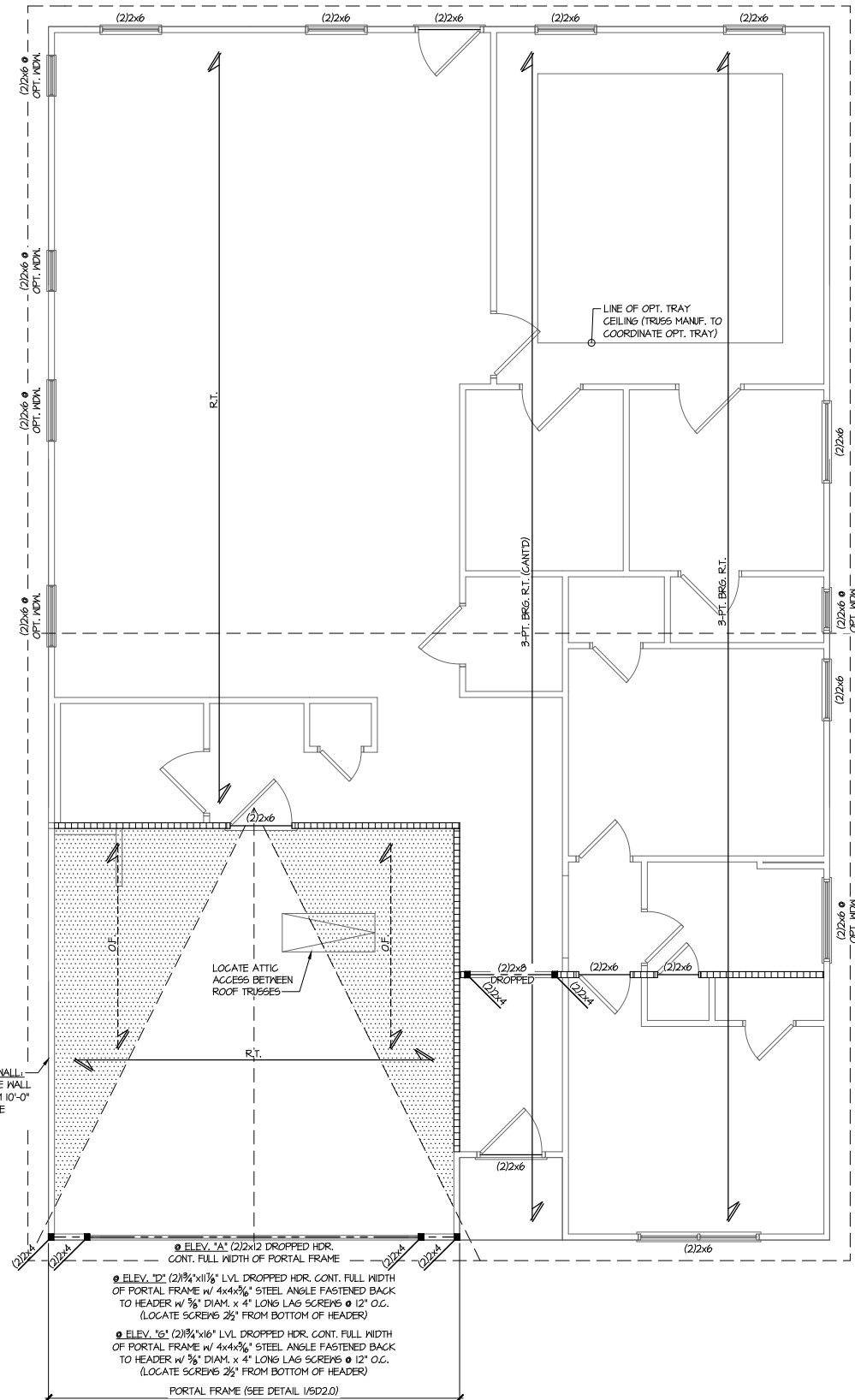
REFER TO S.O. FOR TYPICAL  
STRUCTURAL NOTES & SCHEDULES

NOTE:  
IF EXTERIOR WALLS ARE NOT CONTINUOUSLY  
SHEATHED W/ OSB, REFER TO SHEET 54.0  
FOR HOLDOWN REQUIREMENTS / LOCATIONS

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.)
- 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.

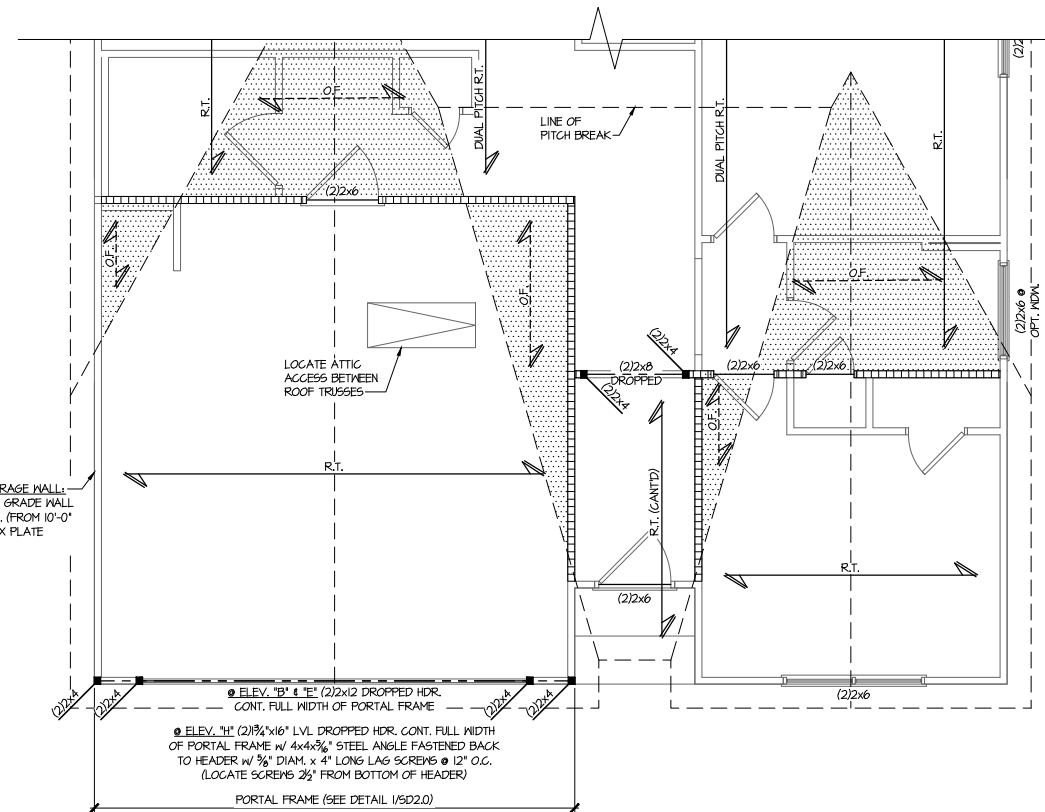




**1 ROOF FRAMING PLAN**

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

~~ELEV. A SHOWN~~  
(ELEV. D & G SIM.)



**2 PARTIAL ROOF FRAMING PLAN**

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

ELEV. B SHOWN (ELEV. E & H SIM.)  
(SEE ELEV. A FOR ADD'L INFO)

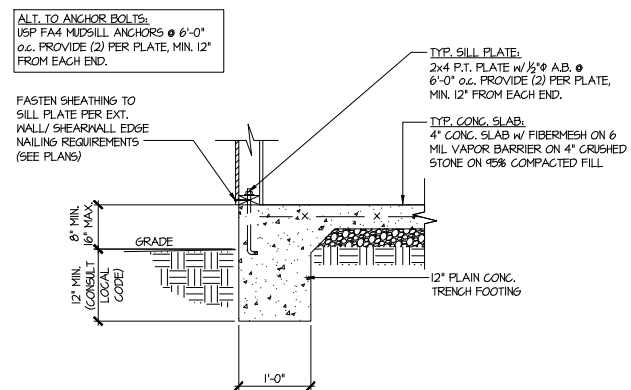
**HARRINGTON  
LOT 55**

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

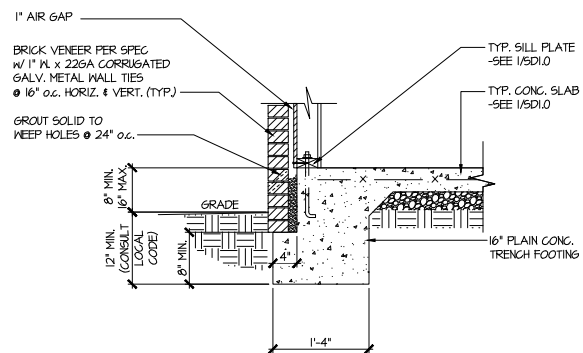
REFER TO S.O. FOR TYPICAL  
STRUCTURAL NOTES & SCHEDULES

**LEGEND**

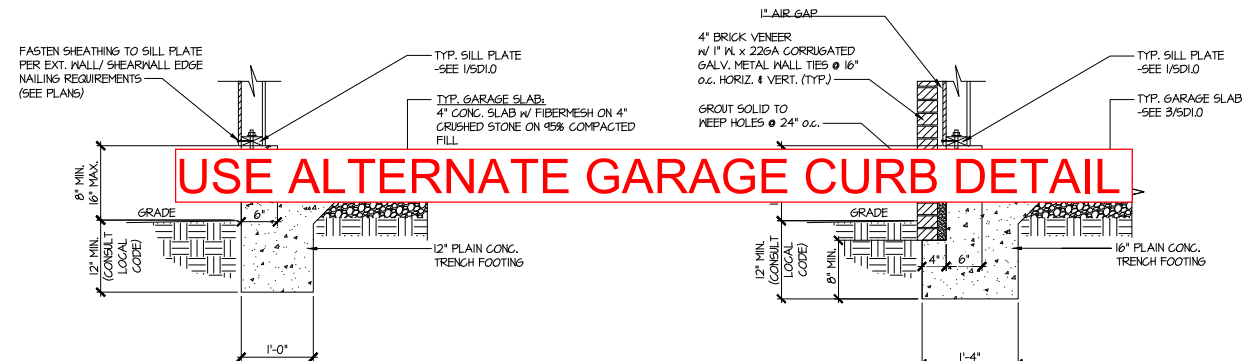
- INDICATES ROOF TRUSSES @ 24" O.C. PER ROOF. MANUF. (TYP. U.N.O.)
- INDICATES TRUSS OVERFRAMING @ 24" O.C. (TYP. U.N.O.)
- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM/HEADER
- METAL HANGER
- INDICATES POST ABOVE (P.A.) PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



TYPICAL SLAB ON GRADE  
PERIMETER FOOTING

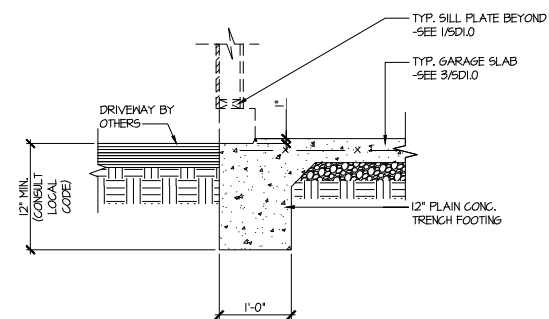


2 TYPICAL SLAB ON GRADE  
PERIMETER FOOTING

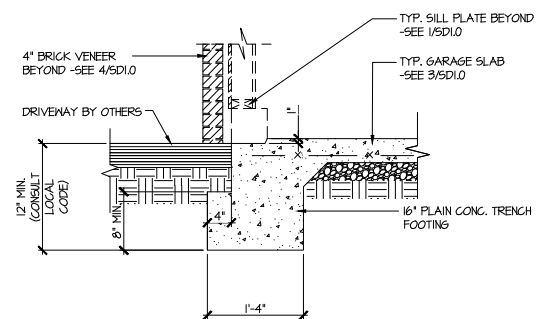


3 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING

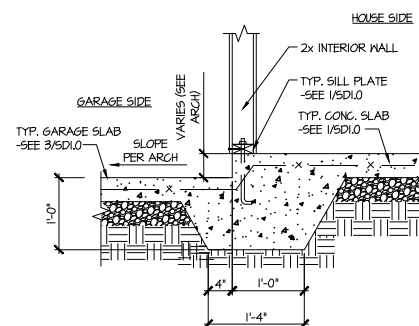
4 TYPICAL SLAB ON GRADE GARAGE PERIMETER FOOTING



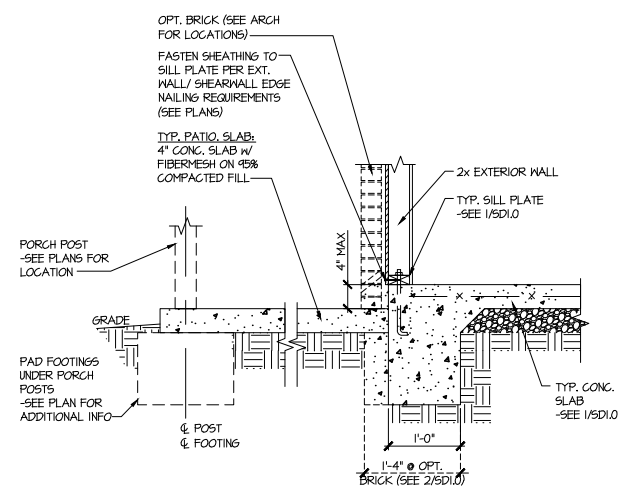
5 TYPICAL SLAB ON GRADE GARAGE ENTRY @ PERIMETER FOOTING



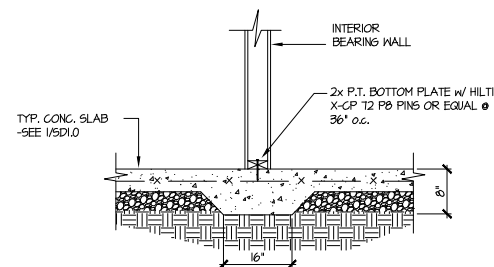
6 TYPICAL SLAB ON GRADE GARAGE  
ENTRY @ PERIMETER FOOTING w/ BRICK VENEER



7 TYPICAL MONOLITHIC INTERIOR GARAGE FOOTING



8 TYPICAL SLAB ON GRADE PERIMETER  
FOOTING @ PORCH/PATIO



TYPICAL THICKENED SLAB @  
INTERIOR BEARING WALL

HARRINGTON  
LOT 55

## FOUNDATION DETAILS

CRAWFORD MODEL

RALEIGH, NC

Mulhern+Kulp project number:  
256-21005

project mgr:	SMK
drawn by:	MJF
issue date:	08-04-2021

REVISIONS:	
date:	initial:
11/22/21	JPP
MIRRORED PLANS ADDED	

SMITH DOUGLAS  
HOMES

**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING  
3525 Resnicke Highway, Suite 300 • Alhambra, CA 91802  
P 714-777-5874 • mulhern+kulp.com

NC License # C-3825



seal: 12/8/21



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MULHERN+KULP

RESIDENTIAL STRUCTURAL ENGINEERING

3825 Shawlands Parkway, Suite 105 • Alpharetta, GA 30022

9770-777-8874 • mulhern+kulp.com

NC License # C-3825

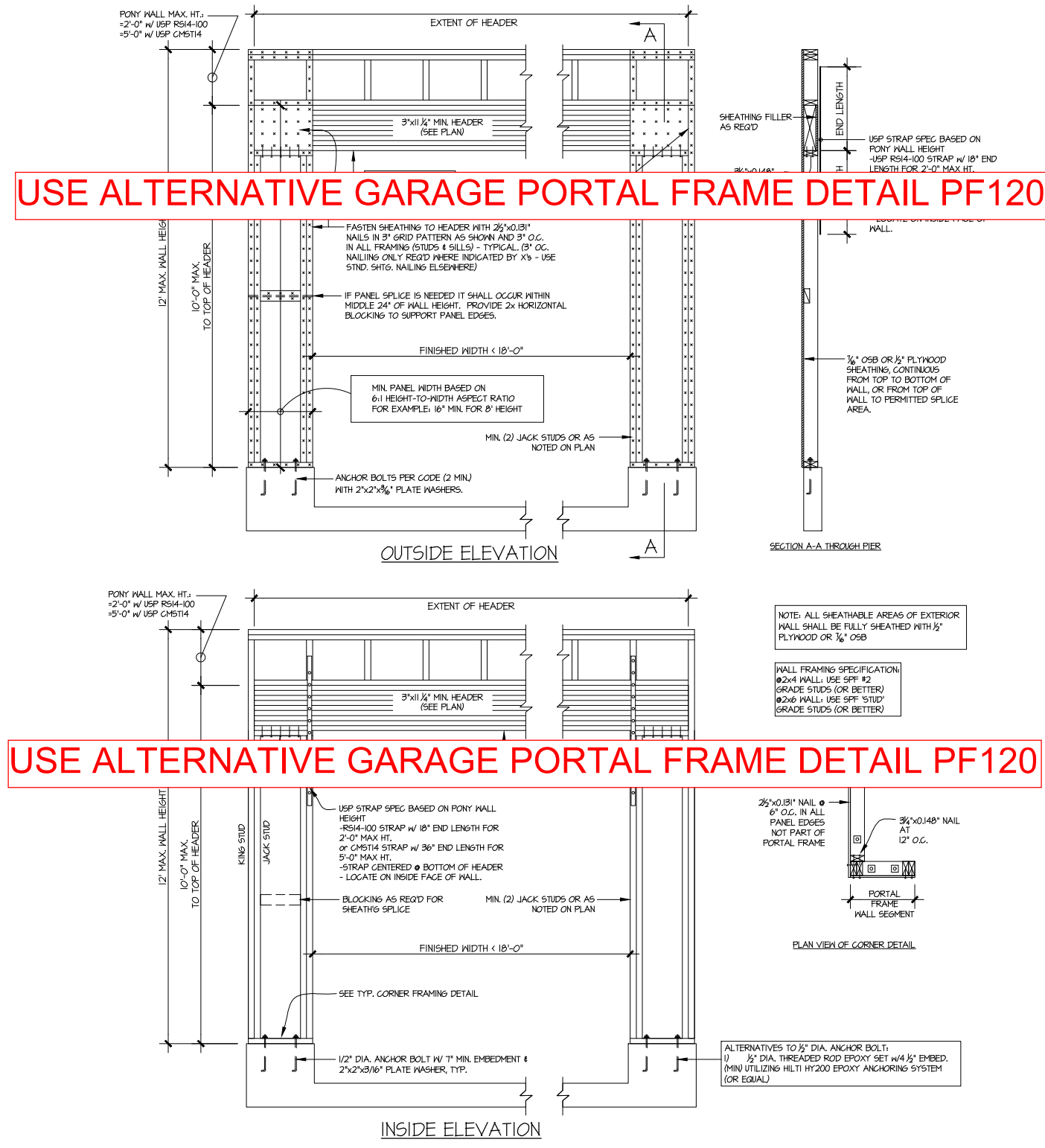
Mulhern+Kulp project number:	256-21005
project mgr:	SMK
drawn by:	MJF
issue date:	08-04-2021
REVISIONS:	
date:	initial:
11/22/21	JPP
REVISED PLANS ADDED	

SMITH DOUGLAS  
HOMES

FRAMING DETAILS

CRAWFORD MODEL

RALEIGH, NC



USE ALTERNATIVE GARAGE PORTAL FRAME DETAIL PF120

USE ALTERNATIVE GARAGE PORTAL FRAME DETAIL PF120

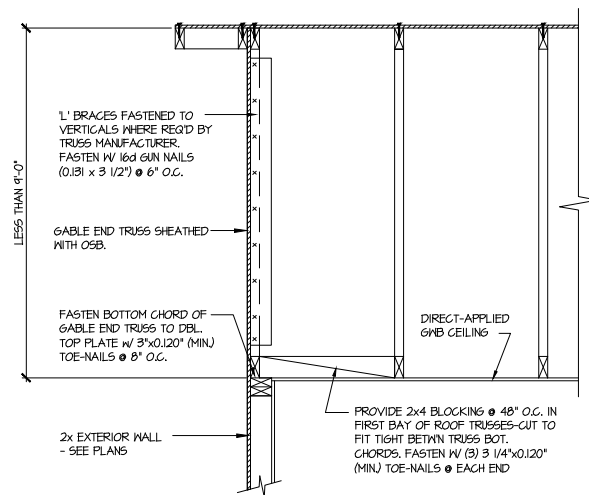
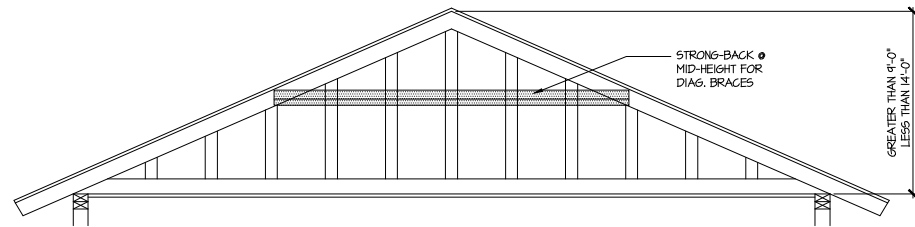
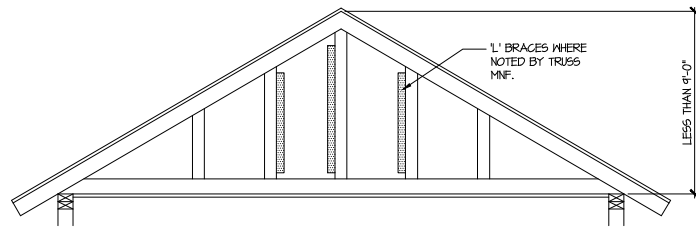
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GARAGE PORTAL FRAME BRACING ELEVATION

SCALE: N.T.S.

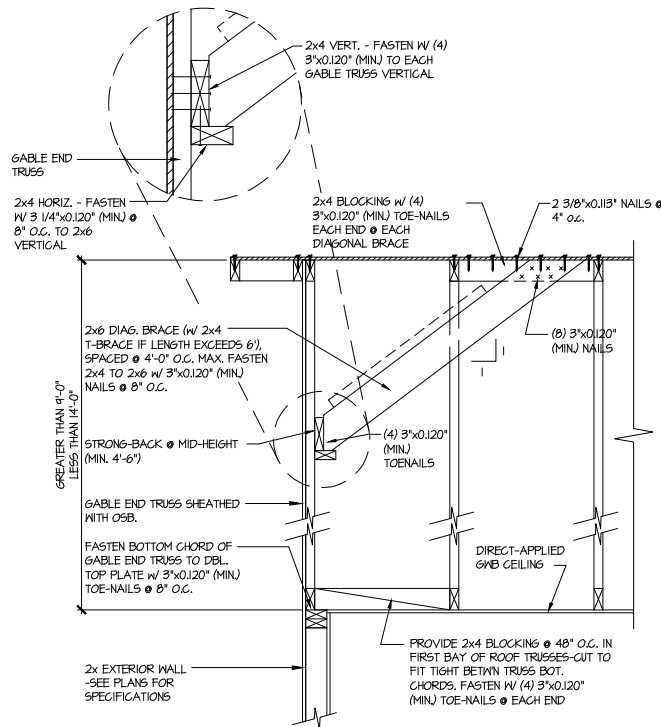
BOTH SIDES OF GARAGE DOOR  
115 MPH WIND SPEED (ULT)

HARRINGTON  
LOT 55



**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 project number:  
**256-21005**

project mgr: **SMK**  
drawn by: **MJF**  
issue date: **08-04-2021**

REVISIONS:  
date: initial:  
11/22/21 JPP  
MODIFIED PLANS ADDED

SMITH DOUGLAS  
HOMES

FRAMING DETAILS  
**CRAWFORD MODEL**

RALEIGH, NC

**HARRINGTON  
LOT 55**

sheet:  
**SD2.1**



**MULHERN+KULP**  
RESIDENTIAL STRUCTURAL ENGINEERING

3625 Brookside Parkway, Suite 165, Alpharetta, GA 30022 ▶ p 770-777-0074 ▶ [mulhernkulp.com](http://mulhernkulp.com)

July 28, 2023

Jody Hunt  
Director of Product Development  
**SMITH DOUGLAS HOMES**  
110 Village Trail, Suite 215  
Woodstock, GA 30188

## **ALTERNATE GARAGE PORTAL FRAME DETAIL**

Smith Douglas Homes

### **Reference**

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

Jody:

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

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

**Please feel free to call if you have any questions.**

Respectfully,

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

NC License # C-3825

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

Signature + Seal    07/28/2023





Mulhern+Kulp project number:  
256-23000

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

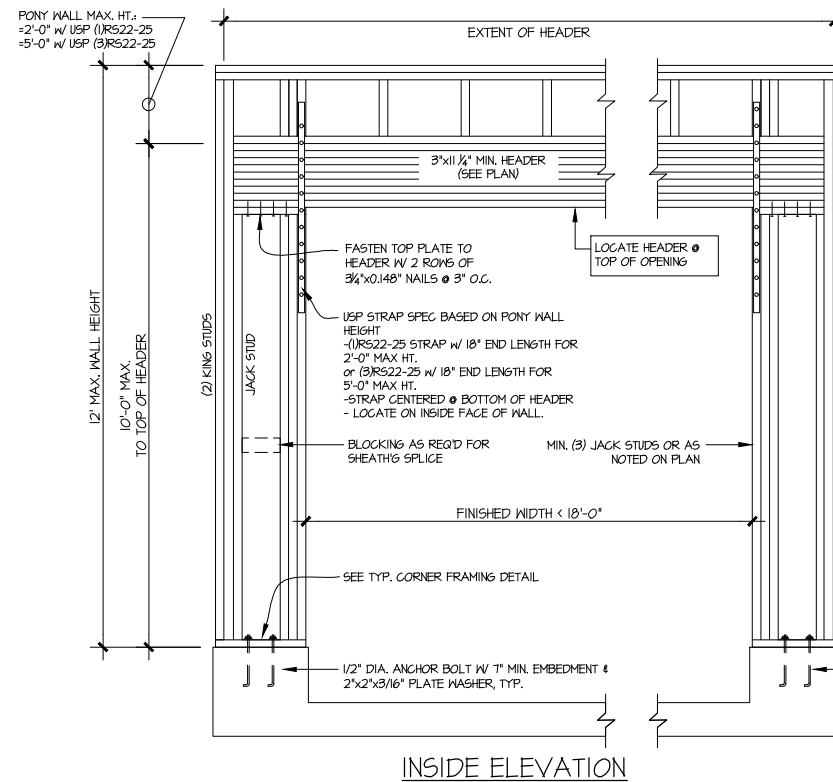
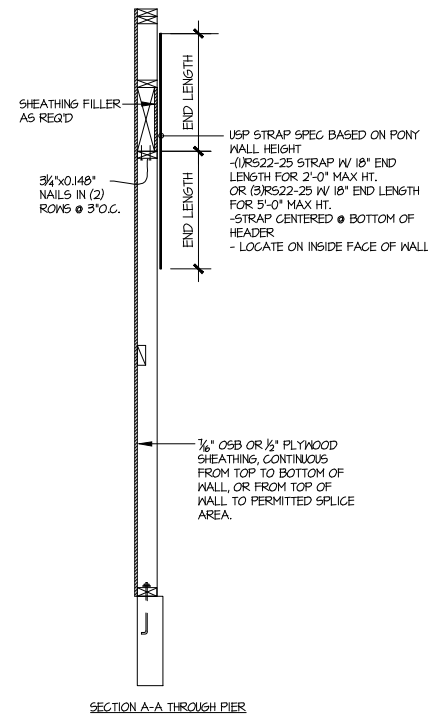
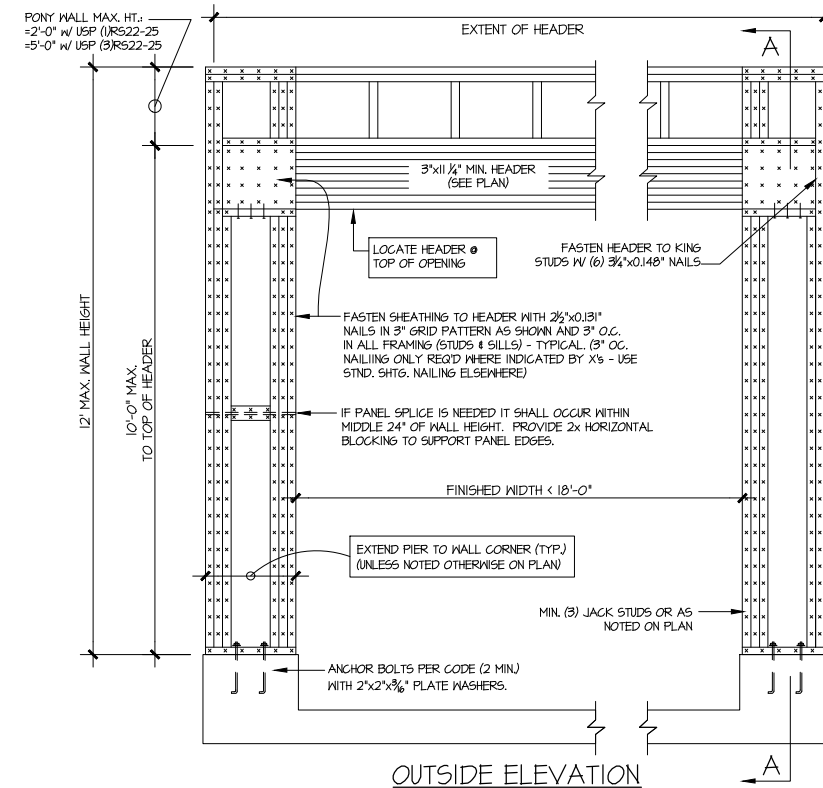
REVISIONS:  
date: initial:

SMITH DOUGLAS  
HOMES

ALTERNATE PORTAL FRAME

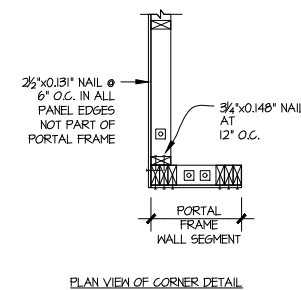
PORTAL FRAME

sheet:  
**PF-120**



NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 1/6" OSB

WALL FRAMING SPECIFICATION:  
Ø2x4 WALL: USE SFF #2 GRADE STUDS (OR BETTER)  
Ø2x6 WALL: USE SFF #TUD GRADE STUDS (OR BETTER)



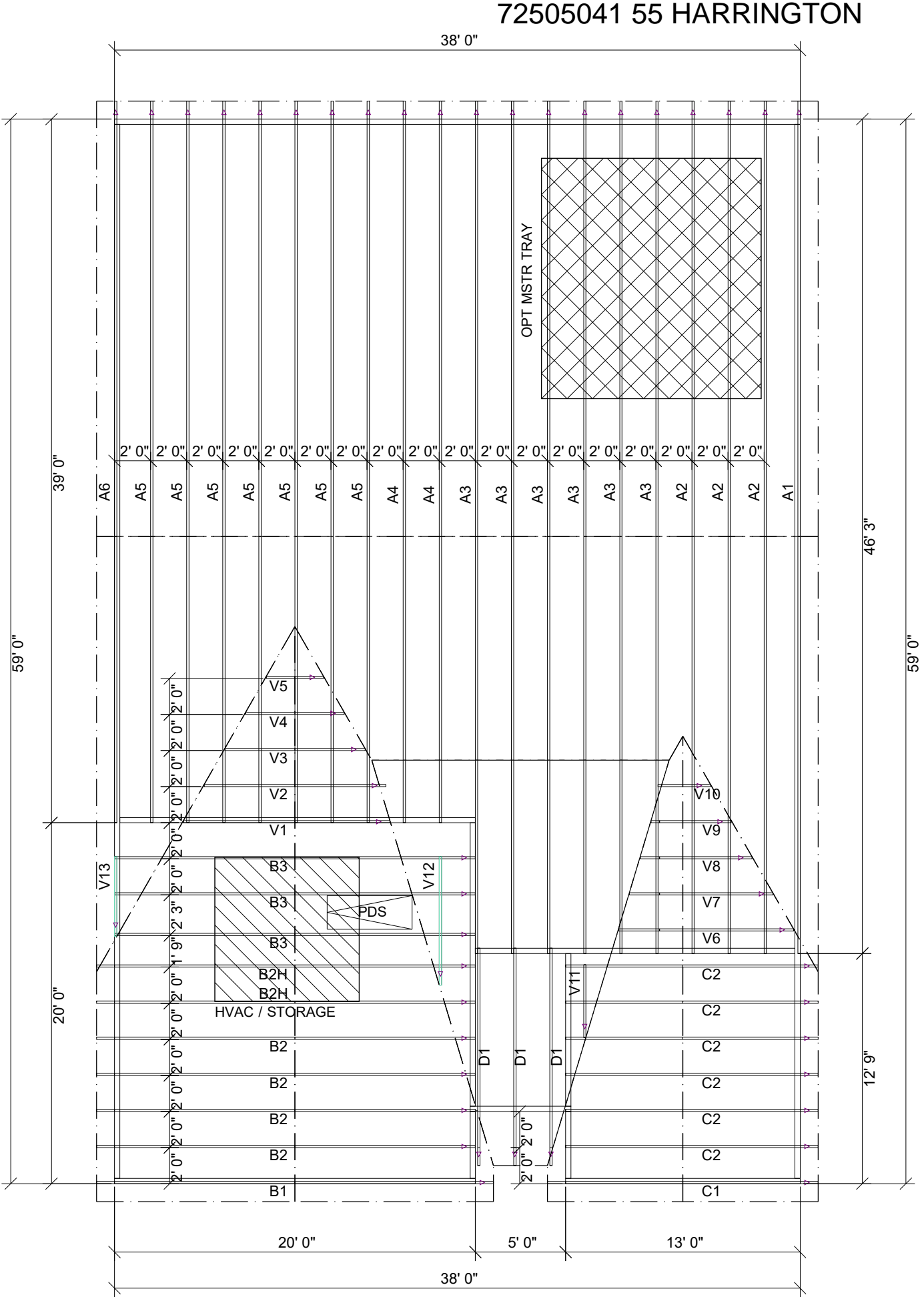
ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT:  
1) 1/2" DIA. THREADED ROD EPOXY SET W/ 1/4" 1/2" EMBED. (MIN. UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL))

**ALTERNATE GARAGE PORTAL FRAME BRACING ELEVATION**  
SCALE: N.T.S.

BOTH SIDES OF GARAGE DOOR  
120 MPH WIND SPEED (ULT)

**HARRINGTON  
LOT 55**

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.



CRAWFORD BEH

ROOF AREA: 2818.33 ft²

RIDGE LINE: 97.67 ft

VALLEY LINES: 99.34

HIP LINES:0

Indicates Left End of Truss

Customer  
**SMITH DOUGLAS**

Job Name  
**CRAWFORD**

Date: 3-30-21

Scale: NTS

Revision Date1:


Revision Date2:

Quality Products for Quality Builders

Drawn By: AS

Checked By: \*\*\*

Drawing Number  
**MASTER**



**UFP MID-ATLANTIC, LLC**

A UFP INDUSTRIES COMPANY

BURLINGTON, NC	PHONE (800) 476-9356
CHESAPEAKE, VA	PHONE (800) 476-3190
CLINTON, NC	PHONE (910) 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
LOLLEWAH, TN	PHONE (844) 497-0056
PEARISBURG, VA	PHONE (800) 397-9571

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1. TEMPORARY BRACING TO BE INSTALLED w/ 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.