

PLANS FOR:



MATTAMY HOMES - SHENANDOAH RH



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CHARLOTTE DIVISION
PH: 704-375-9373

MATTAMY HOMES
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ABBREVIATION LEGEND				PLAN SET COMPOSITION		ELEVATION	
AB	Anchor Bolt	EQ	Equal	MIN	Minimum	SQ	Square
ABV	Above	E.W.	Each Way	MIR	Mirror	SS	Solid Surface
AC	Air Conditioner	EXIST	Existing	MISC	Miscellaneous	SS	Sanitary Sewer
ACC	Access/ Accessible	EXP	Exposed	MM	Millimeter	SST	Stainless Steel
ACFL	Access Floor	EXT	Exterior	MO	Masonry Opening	ST	Steel
ADJ	Adjacent	F.A.	Flat Archway	MOV	Movable	STA	Station
ADJ	Adjustable	FD	Floor Drain	MTD	Mounted	STC	Sound Transmission Class
AFF	Above Finished Floor	FDTN	Foundation	MTFR	Metal Furring	STD	Standard
AGGR	Aggregate	FF	Finish Floor	MTL	Metal	STOR	Storage
ALT	Alternate	FG	Fixed Glass	MULL	Mullion	STRUCT	Structural
ALUM	Aluminum	FIN	Finish	NIC	Not In Contract	SYS	System
ANC	Anchor/Anchorage	FLEX	Flexible	NOM	Nominal	T	Tread
AP	Access Panel	FLR	Floor	NR	Noise Reduction	T.A.	Trimmed Archway
APPROX	Approximate	F.O.	Framed Opening	NRC	Noise Reduction Coefficient	TB	Towel Bar
ARCH	Architect(ural)	FOC	Face of Concrete	NTS	Not to Scale	TEL	Telephone
AUTO	Automatic	FOF	Face of Finish	OA	Overall	TEMP	Temporary/ Temperature
BD	Board	FOM	Face of Masonry	OC	On Center	T&G	Tongue and Groove
BLDG	Building	FOS	Face of Studs	OD	Outside Diameter	THK	Thick(ness)
BLK	Block(ing)	FPL	Fireplace	OH	Overhead (Overhang)	THRES	Threshold
BOC	Bottom of Curb	FR	Frame	OPNG	Opening	TJ	Triple Joist
BRG	Bearing	FTG	Footing	PED	Pedestal	TMPD	Tempered
BRG PL	Bearing Plate	FUR	Furring/ Furred	PL	Plate	TOC	Top of Curb/ Concrete
BSMT	Basement	GA	Gauge	PL	Property Line	TOL	Tolerance
BUR	Built up Roof	GALV	Galvanized	PLAM	Plastic Laminate	TOS	Top of Slab
C.A.	Curved Archway	GD	Grade/ Grading	PLAS	Plastic	TOST	Top of Steel
CAB	Cabinet	GL	Glass/ Glazing	PLAS	Plaster	TOW	Top of Wall
CB	Catch Basin	G.T.	Girder Truss	PL GL	Plate Glass	TPD	Toilet Paper Dispenser
CER	Ceramic	GYP	Gypsum	PLYWD	Plywood	TV	Television
CIR	Circle	HB	Hose Bib	PNL	Panel	TYP	Typical
CJ	Control Joint	HC	Hollow Core	P.T.	Pressure Treated Lumber	UFIN	Unfinish(ed)
CLG	Ceiling	HDBD	Hard Board	PT	Paint(ed)	UNO	Unless Noted Otherwise
CLG HT	Ceiling Height	HDR	Header	PT	Point	UR	Urinal
CLO	Closet	HM	Hollow Metal	PT	Porcelain Tile	VB	Vinyl Base
CM	Centimeter	HORIZ	Horizontal	PTN	Partition	VCT	Vinyl Composition Tile
CMU	Concrete Masonry Unit	HP	High Point	PR	Pair	VER	Verify
COL	Column	HT	Height	PRKG	Parking	VERT	Vertical
CONC	Concrete	HTG	Heating	PSI	Pounds per Square Inch	VEST	Vestibule
CONST	Construction	HVAC	Heating/ Ventilation/ Air Conditioning	PVC	Polyvinyl Chloride	VF	Vinyl Flooring
CONT	Continuous/ Continue	ID	Inside Diameter	PVMT	Pavement	VJ	V(ee) Joint
CORR	Corridor	INCL	Include(d)	QT	Quarry Tile	VNR	Veneer
CPB	Carpet Base	INSUL	Insulate/ Insulation	R	Radius	VWC	Vinyl Wall Covering
CPT	Carpet	INT	Interior	R	Riser	WB	Wood Base
CSMT	Casement	INV	Invert	RA	Return Air	WD	Wood
CT	Ceramic Tile	J-Box	Junction Box	RB	Rubber Base	WDW	Window
CTR	Center	JST	Joist	RCP	Reinforced Concrete Pipe	WGL	Wired Glass
CU FT	Cubic Foot	JT	Joint	RD	Roof Drain	WH	Water Heater
CU YD	Cubic Yard	Kit	Kitchen	REF	Reference	WM	Wire Mesh
CWT	Ceramic Wall Tile	L	Length	REFR	Refrigerator	W/O	Without
DBL	Double	LAM	Laminate	REINF	Reinforced	WPT	Working Point
DH	Double Hung	LB	Lag Bolt	REQD	Required	WSC	Wainscot
DIA	Diameter	LH	Left Hand	RESIL	Resilient	WT	Wall Tile
DIAG	Diagonal	LT	Light	RET	Return	WT	Weight
DIM	Dimension	LTL	Lintel	REV	Revision	WWF	Welded Wire Fabric
DISP.	Garbage Disposal	LT WT	Light Weight	RFG	Roofing	€	Center Line
DJ	Double Joist	LVL	Laminated Veneer Lumber	RM	Room	C	Channel
DN	Down	LVR	Louwer	RO	Rough Opening	PL	Plate
DP	Deep	M	Meter	ROW	Right of Way	±	Plus or Minus
DS	Downspout	MAS	Masonry	RVS	Reverse	€	Property Line
DTL	Detail	MATL	Material	SCHED	Schedule		
DWG	Drawing	MAX	Maximum	SD	Storm Drain		
DWR	Drawer	MC	Maximum	SECT	Section		
EA	Each	MECH	Mechanical	SF	Square Foot		
EJ	Expansion Joint	MED	Medium	SHT	Sheet		
ELEC	Electric	MEMB	Membrane	SHT GL	Sheet Glass		
ELEV	Elevation	MFR	Manufacture(er)(ing)	SHWR	Shower		
EMER	Emergency	MH	Man Hole	SIM	Similar		
EPB	Electric Panel Board			SPEC	Specification		

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GN1.0-GN1.1	GENERAL NOTES
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1.0-1.4	1ST FLOOR PLANS
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5.0-8.0	ELECTRICAL / HVAC PLANS
XX-XX	FLOORING

ELEVATION
CRAFTSMAN
CODE
2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE

SHENANDOAH SQUARE FOOTAGES					
AREA	COLONIAL	CRAFTSMAN	FRENCH COUNTRY	TUDOR	FARM HOUSE
1st FLOOR	1112 SQ. FT.	1112 SQ. FT.	1112 SQ. FT.	1112 SQ. FT.	1112 SQ. FT.
2nd FLOOR	1456 SQ. FT.	1456 SQ. FT.	1456 SQ. FT.	1456 SQ. FT.	1456 SQ. FT.
TOTAL LIVING	2567 SQ. FT.	2567 SQ. FT.	2567 SQ. FT.	2567 SQ. FT.	2567 SQ. FT.
OPT. UPGRADE SIDE ELEVATION	N/A	+9 SQ. FT.	+9 SQ. FT.	N/A	N/A
GARAGE - 2 CAR	421 SQ. FT.	421 SQ. FT.	421 SQ. FT.	421 SQ. FT.	421 SQ. FT.
FRONT PORCH COVERED	49 SQ. FT.	131 SQ. FT.	49 SQ. FT.	49 SQ. FT.	42 SQ. FT.
GLOBAL OPTIONAL SQUARE FOOTAGES					
OPT. COVERED VERANDA					120 SQ. FT.
OPT. SCREENED PORCH					120 SQ. FT.
OPT. SUNROOM					120 SQ. FT.

CLIENT:	MATTAMY HOMES
PROJECT:	SHENANDOAH - RH
LOCATION:	NORTH CAROLINA

PROJECT NO.: 21901788

DATE: 11/02/2021 DRAWN BY: CAR

TITLE SHEET
T1.0

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

**North Carolina
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT**

(note a)

CLIMATE ZONE	FENESTRATION U-FACTOR (notes b, j)	SKYLIGHT U-FACTOR (note b)	GLAZED FENESTRATION SHGC (notes b, k)	CEILING R-VALUE (note m)	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE (note i)	FLOOR R-VALUE	BASEMENT WALL R-VALUE (notes c, o)	SLAB R-VALUE AND DEPTH (note d)	CRAWL SPACE WALL R-VALUE (note c)
3	0.35	0.55	0.30	38 or 30ci	15 or 13 + 2.5 (note h)	5/13 or 5/10ci	19	5/13 (note f)	0	5/13
4	0.35	0.55	0.30	38 or 30ci	15 or 13 + 2.5 (note h)	5/13 or 5/10ci	19	10/15	10	10/15
5	0.35	0.55	NR	38 or 30ci	19 (note n) or 13 + 5 or 15 + 3 (note h)	13/17 or 13/12.5ci	30 (note g)	10/15	10	10/19

- | | |
|--|---|
| <p>a. R-VALUES ARE MINIMUMS. U-FACTORS AND SHGC ARE MAXIMUMS.</p> <p>b. THE FENESTRATION U-FACTOR COLUMN EXCLUDES SKYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.</p> <p>c. "10/15" MEANS R-10 CONTINUOUS INSULATED SHEATHING ON THE INTERIOR OR EXTERIOR OF THE HOME OR R-15 CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL OR CRAWL SPACE WALL.</p> <p>d. R-5 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUES FOR HEATED SLABS. FOR MONOLITHIC SLABS, INSULATION SHALL BE APPLIED FROM THE INSPECTION GAP DOWNWARD TO THE BOTTOM OF THE FOOTING OR A MAXIMUM OF 24 INCHES BELOW GRADE, WHICHEVER IS LESS. FOR FLOATING SLABS, INSULATION SHALL EXTEND TO THE BOTTOM OF THE FOUNDATION WALL OR 24", WHICHEVER IS LESS.</p> <p>e. NOT USED.</p> <p>f. BASEMENT WALL INSULATION IS NOT REQUIRED IN WARM-HUMID LOCATIONS AS DEFINED BY FIGURE N1101.7 AND TABLE N1101.7.</p> <p>g. OR INSULATION SUFFICIENT TO FILL THE FRAMING CAVITY, R-19 MINIMUM.</p> <p>h. THE FIRST VALUE IS CAVITY INSULATION, THE SECOND VALUE IS CONTINUOUS INSULATION, SO "13 + 5" MEANS R-13 CAVITY INSULATION PLUS R-5 CONTINUOUS INSULATION. IF STRUCTURAL SHEATHING COVERS 25 PERCENT OR LESS OF THE EXTERIOR, INSULATING SHEATHING IS NOT REQUIRED WHERE STRUCTURAL SHEATHING IS USED. IF STRUCTURAL SHEATHING COVERS MORE THAN 25 PERCENT OF EXTERIOR, STRUCTURAL SHEATHING SHALL BE SUPPLEMENTED WITH INSULATED SHEATHING OF AT LEAST R-2.</p> | <p>i. THE SECOND R-VALUE APPLIES WHEN MORE THAN HALF THE INSULATION IS ON THE INTERIOR OF THE MASS WALL.</p> <p>j. IN ADDITION TO THE EXEMPTION IN SECTION N1102.3.3, A MAXIMUM OF TWO GLAZED FENESTRATION PRODUCT ASSEMBLIES HAVING A U-FACTOR NO GREATER THAN 0.55 SHALL BE PERMITTED TO BE SUBSTITUTED FOR MINIMUM CODE COMPLIANT FENESTRATION PRODUCT ASSEMBLIES WITHOUT PENALTY.</p> <p>k. IN ADDITION TO THE EXEMPTION IN SECTION N1102.3.3, A MAXIMUM OF TWO GLAZED FENESTRATION PRODUCT ASSEMBLIES HAVING A SHGC NO GREATER THAN 0.70 SHALL BE PERMITTED TO BE SUBSTITUTED FOR MINIMUM CODE COMPLIANT FENESTRATION PRODUCT ASSEMBLIES WITHOUT PENALTY.</p> <p>l. R-30 SHALL BE DEEMED TO SATISFY THE CEILING INSULATION REQUIREMENT WHEREVER THE FULL HEIGHT OF UNCOMPRESSED R-30 INSULATION EXTENDS OVER THE WALL TOP PLATE AT THE EAVES. OTHERWISE R-38 INSULATION IS REQUIRED WHERE ADEQUATE CLEARANCE EXISTS OR INSULATION MUST EXTEND TO EITHER THE INSULATION BAFFLE OR WITHIN 1" OF THE ATTIC ROOF DECK.</p> <p>m. TABLE VALUE REQUIRED EXCEPT FOR ROOF EDGE WHERE THE SPACE IS LIMITED BY THE PITCH OF THE ROOF, THERE THE INSULATION MUST FILL THE SPACE UP TO THE AIR BAFFLE.</p> <p>n. R-19 FIBERGLASS BATTS COMPRESSED AND INSTALLED IN A NOMINAL 2x6 FRAMING CAVITY IS DEEMED TO COMPLY. FIBERGLASS BATTS RATED R-19 OR HIGHER COMPRESSED AND INSTALLED IN A 2x4 WALL IS NOT DEEMED TO COMPLY.</p> <p>o. BASEMENT WALL MEETING THE MINIMUM MASS WALL SPECIFIC HEAT CONTENT REQUIREMENT MAY USE THE MASS WALL R-VALUE AS THE MINIMUM REQUIREMENT.</p> |
|--|---|



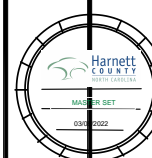
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PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

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GENERAL NOTES

GN1.1

USE CORROSION-RESISTANT FLASHING AT ALL ROOF-TO-WALL INTERSECTIONS



FRONT ELEVATION - CRAFTSMAN



REAR SIDE ELEVATION - CRAFTSMAN



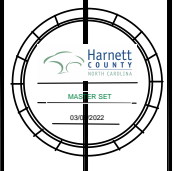
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DRAWN BY: CAR

EXTERIOR ELEVATIONS

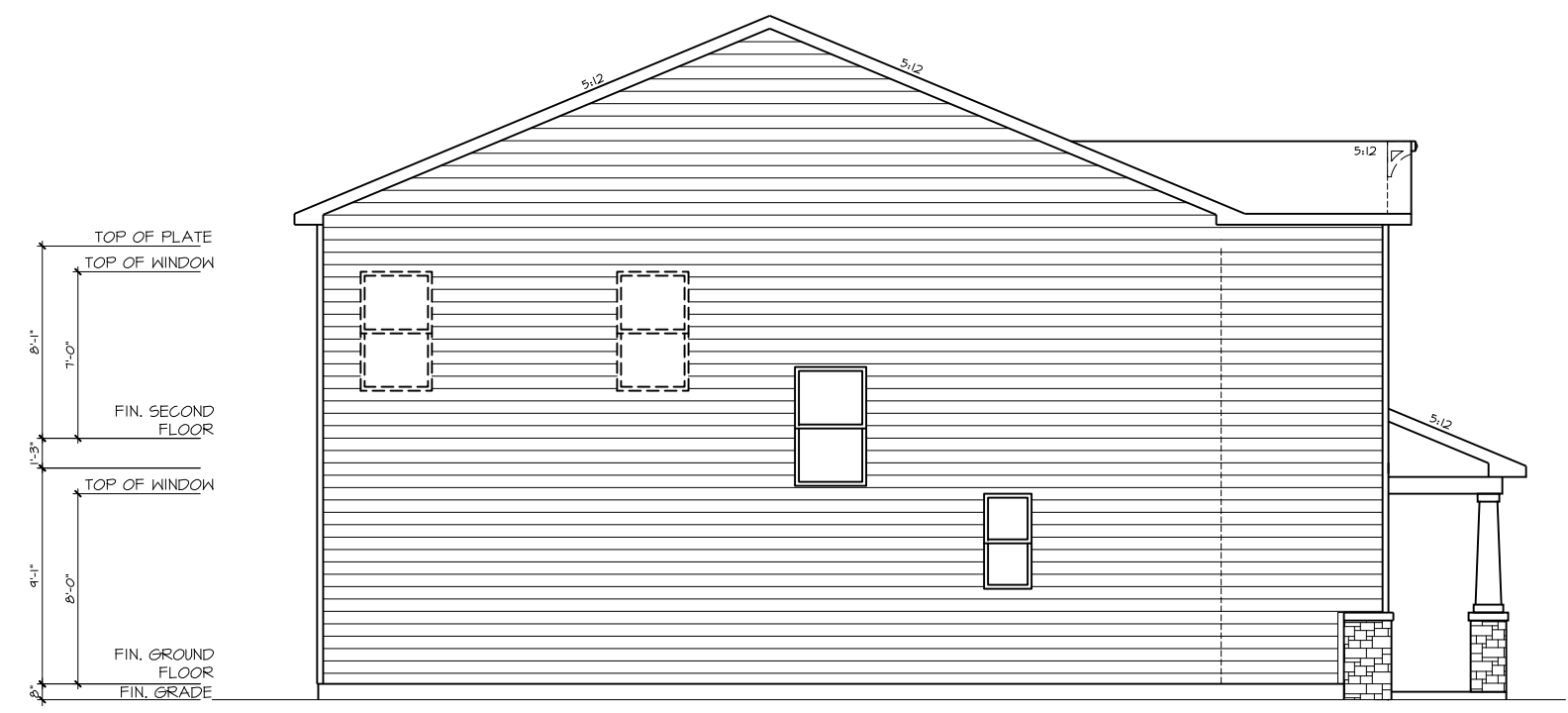
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USE CORROSION-RESISTANT FLASHING AT ALL ROOF-TO-WALL INTERSECTIONS



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LEFT SIDE ELEVATION - CRAFTSMAN



RIGHT ELEVATION - CRAFTSMAN

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MATTAMY HOMES
CLIENT:

SHEANDOAH - RH
PROJECT:

NORTH CAROLINA
LOCATION:

HARNETT COUNTY
REGISTERED
03/12/2022

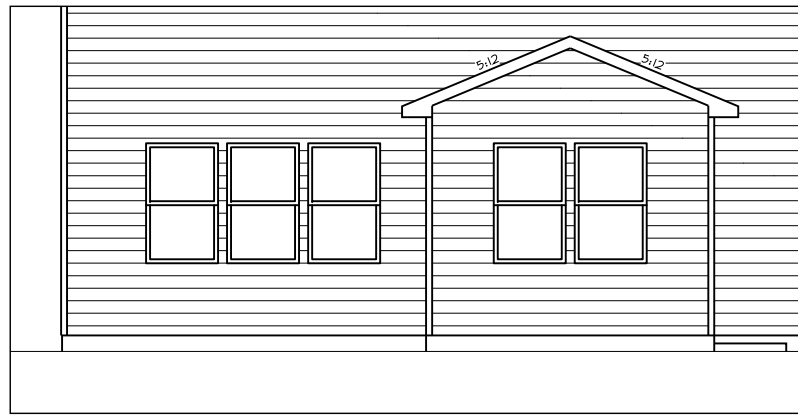
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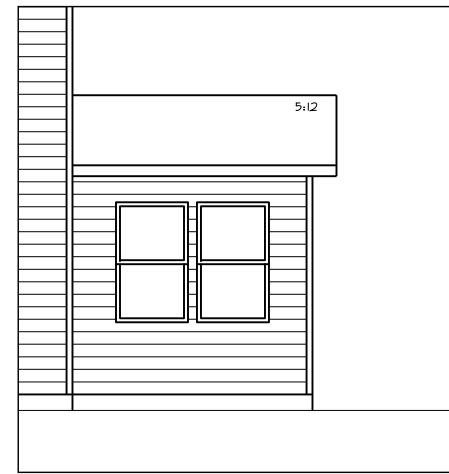
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EXTERIOR ELEVATIONS

0.11



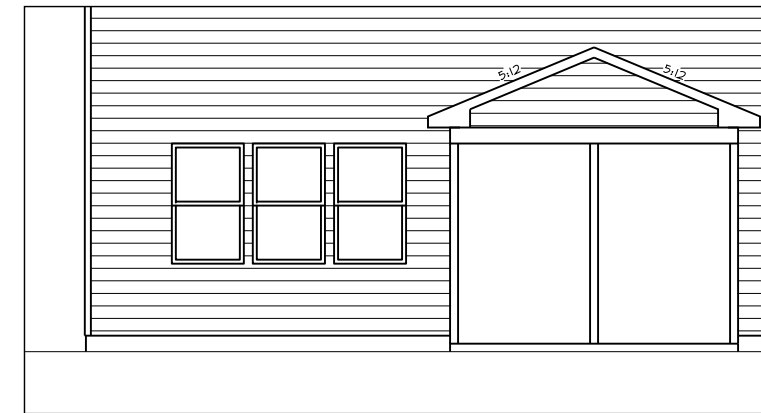
SUNROOM PPO - REAR ELEVATION



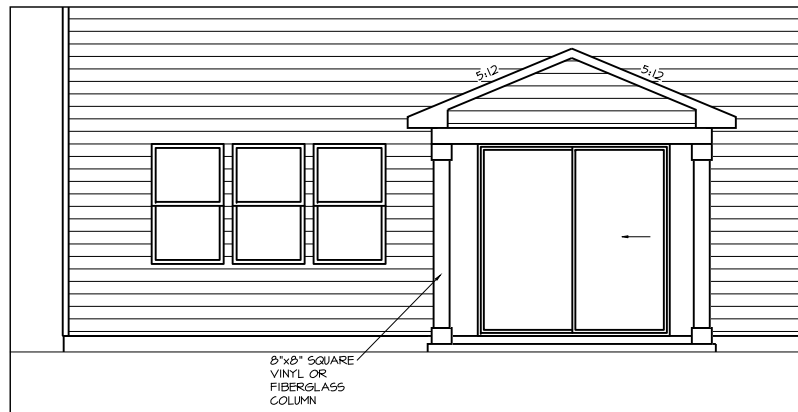
SUNROOM PPO - RIGHT ELEVATION



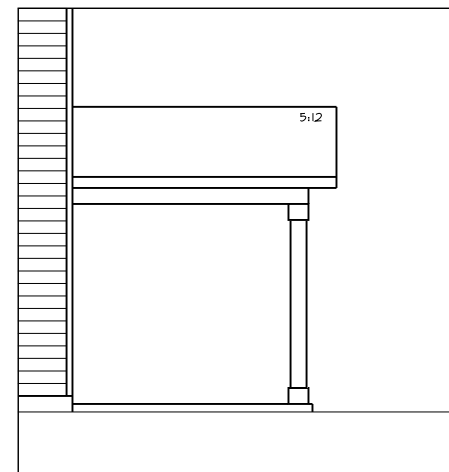
SUNROOM PPO - LEFT ELEVATION



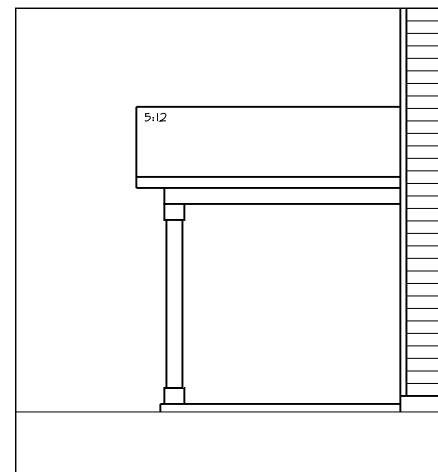
SCREENED PORCH PPO - REAR ELEVATION RALEIGH



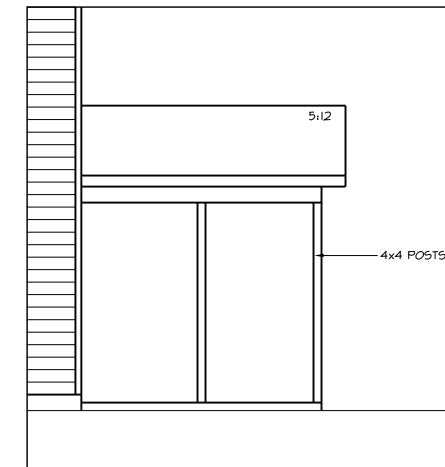
COVERED PORCH PPO - REAR ELEVATION



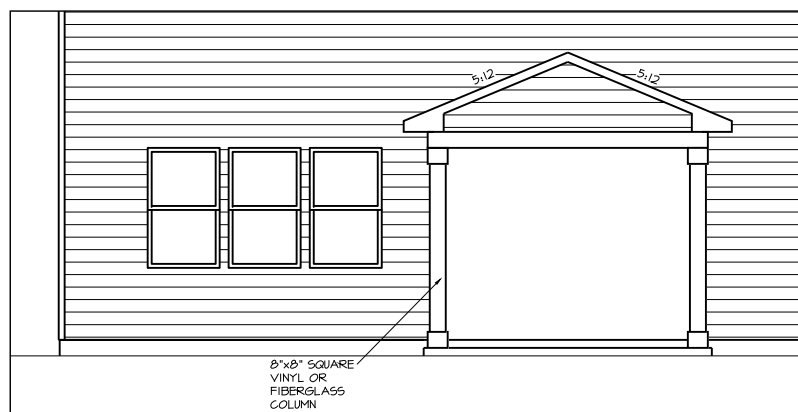
COVERED PORCH PPO - RIGHT ELEVATION



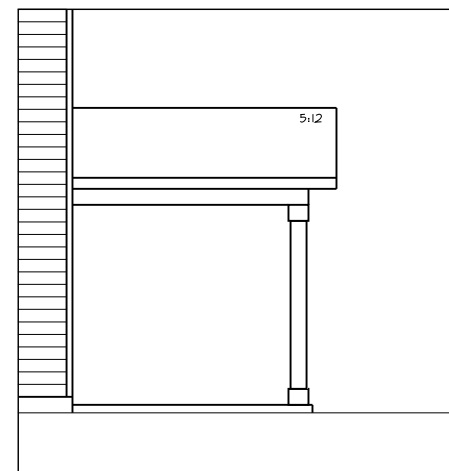
COVERED PORCH PPO - LEFT ELEVATION



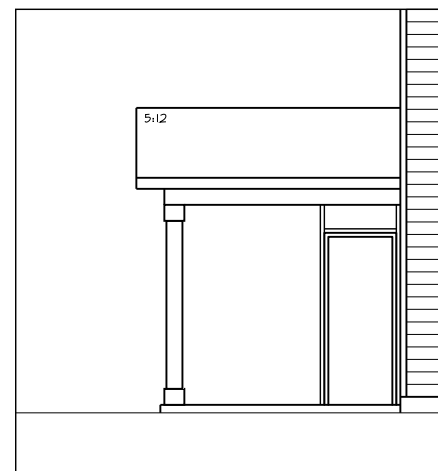
SCREENED PORCH PPO - RIGHT ELEVATION RALEIGH



SCREENED PORCH PPO - REAR ELEVATION



SCREENED PORCH PPO - RIGHT ELEVATION



SCREENED PORCH PPO - LEFT ELEVATION



SCREENED PORCH PPO - LEFT ELEVATION RALEIGH



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EXTERIOR ELEVATIONS

0.12



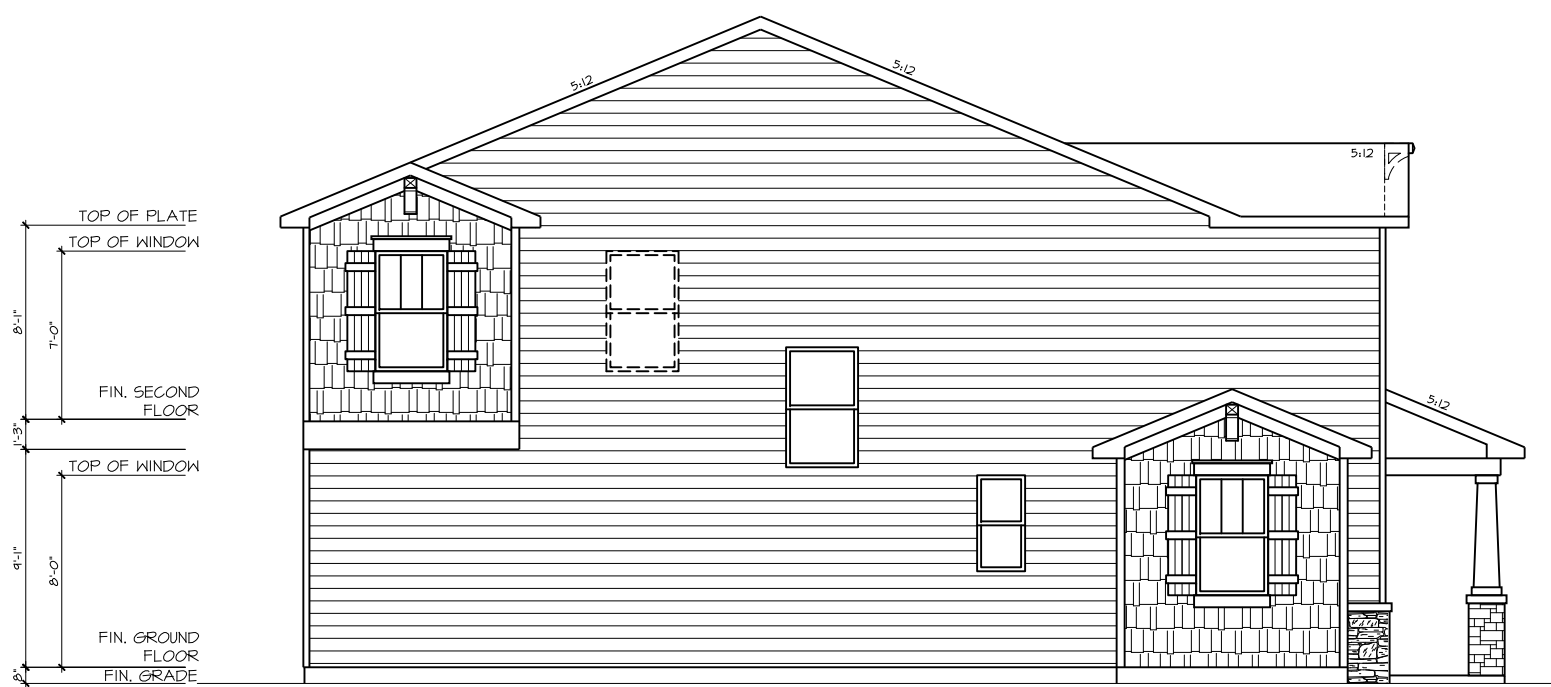
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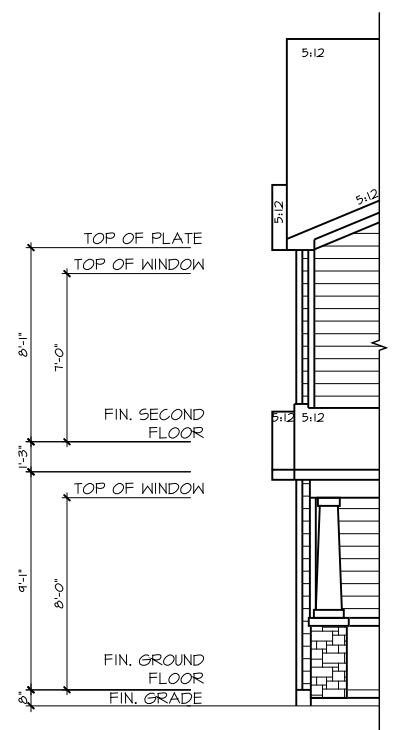


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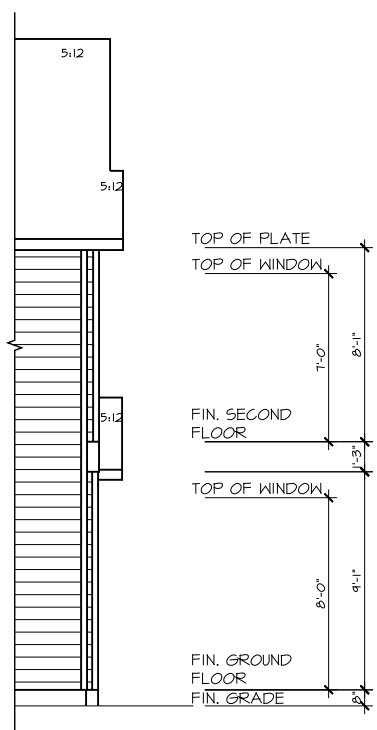
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PPO - ENHANCED SIDE ELEVATION
LEFT SIDE ELEVATION -
CRAFTSMAN



PPO - ENHANCED SIDE
ELEVATION REAR ELEVATION -
CRAFTSMAN



PPO - ENHANCED SIDE
ELEVATION FRONT ELEVATION -
CRAFTSMAN



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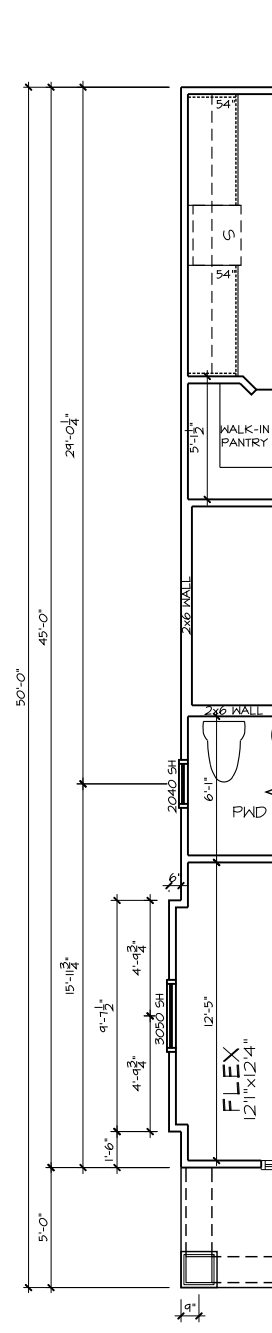
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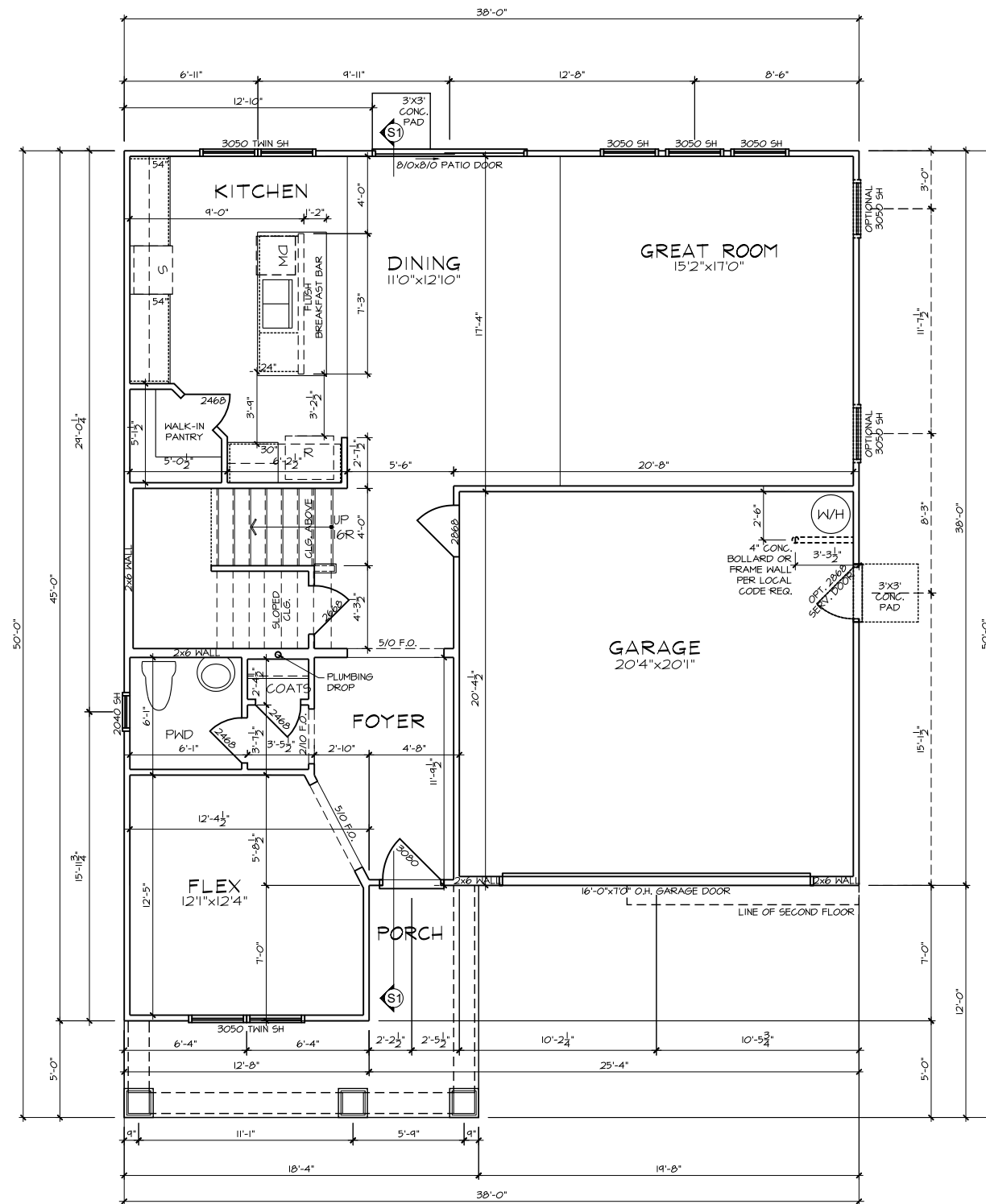
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EXTERIOR ELEVATIONS

0.13



GROUND FLOOR PLAN -
ENHANCED SIDE ELEVATION -
CRAFTSMAN



GROUND FLOOR PLAN - CRAFTSMAN

FLOOR PLAN NOTES

1. ALL FRAMED OPENINGS (F.O.) @ 80" ON 1ST & 96" ON 2ND U.N.O.
2. 4 SHELVES MAX. @ ALL LINEN & PANTRIES.
3. INSTALL HOUSE WRAP AT ALL ATTIC WALLS NEXT TO HEATED SPACES I.L.O. T-PLY.
4. REFER TO GARAGE FRAMING DETAIL ON SHT. DTA3 FOR GOAL POST FRAMING.
5. ALL STUD POCKETS TO BE 4 1/2" (3) STUDS U.N.O.
6. ALL STUDS BEHIND SHOWER STALLS @ 16" O.C.



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CLIENT: **MATTAMY HOMES**

PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 24x34 PAPER, OR AS NOTED

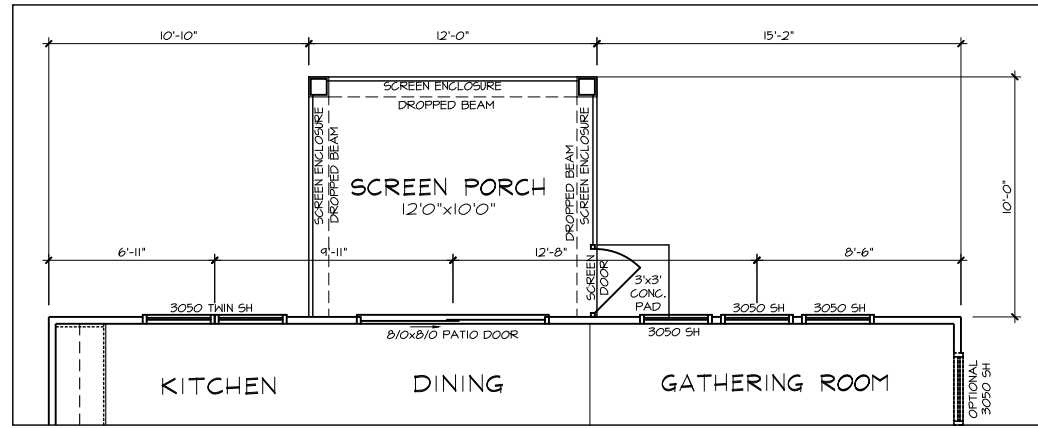
PROJECT NO.: **21901788**

DATE: **11/02/2021**

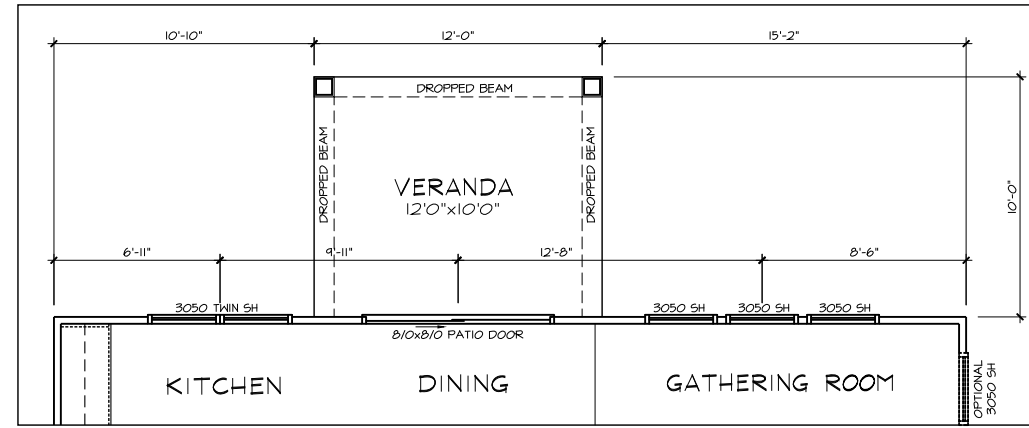
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FIRST FLOOR PLAN

1.0

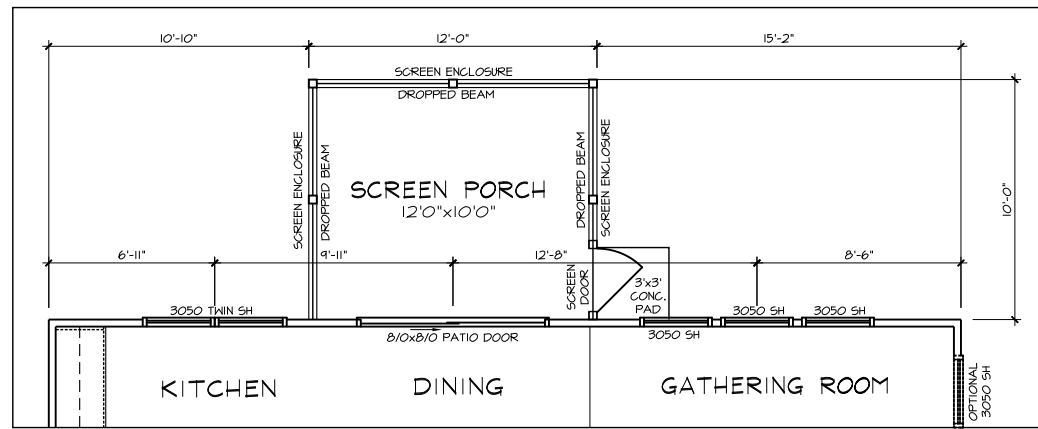


PPO - GROUND FLOOR PLAN
SCREEN PORCH (CHARLOTTE)

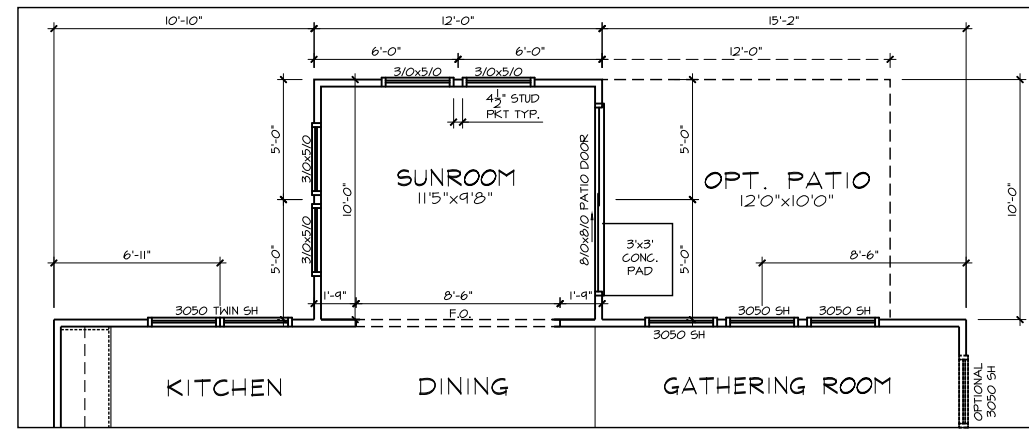


PPO - GROUND FLOOR PLAN
COVERED VERANDA

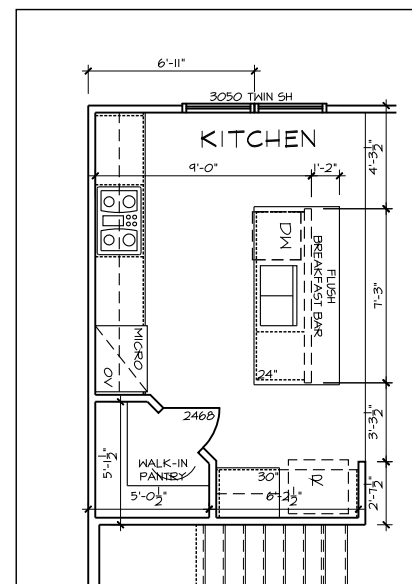
- FLOOR PLAN NOTES**
1. ALL FRAMED OPENINGS (F.O.) @ 80" ON 1ST & 96" ON 2ND U.N.O.
 2. 4 SHELVES MAX. @ ALL LINEN & PANTRIES.
 3. INSTALL HOUSE WRAP AT ALL ATTIC WALLS NEXT TO HEATED SPACES I.L.O. T-PLY.
 4. REFER TO GARAGE FRAMING DETAIL ON SHT. DTA3 FOR GOAL POST FRAMING.
 5. ALL STUD POCKETS TO BE 4 1/2" (3) STUDS U.N.O.
 6. ALL STUDS BEHIND SHOWER STALLS @ 16" O.C.



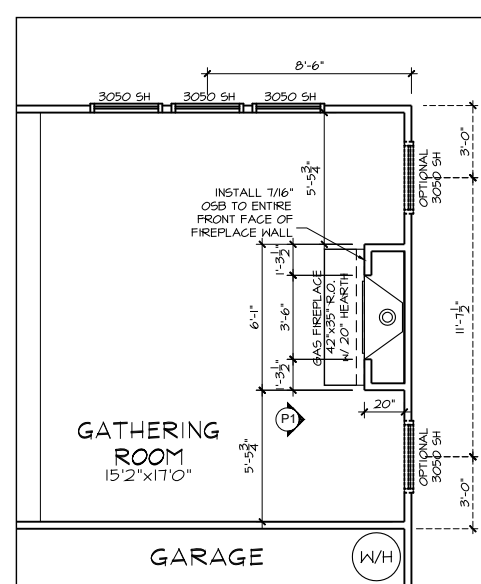
PPO - GROUND FLOOR PLAN
SCREEN PORCH (RALEIGH)



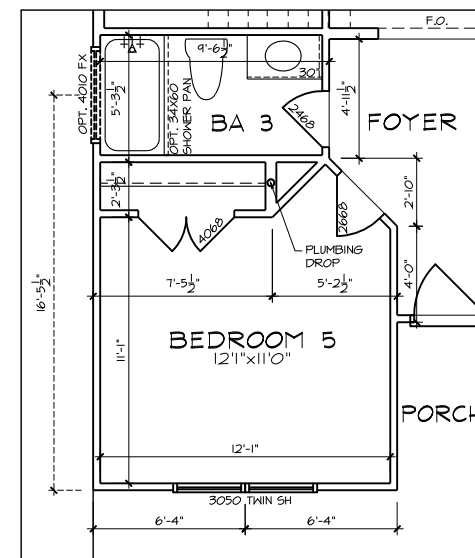
PPO - GROUND FLOOR PLAN
SUNROOM



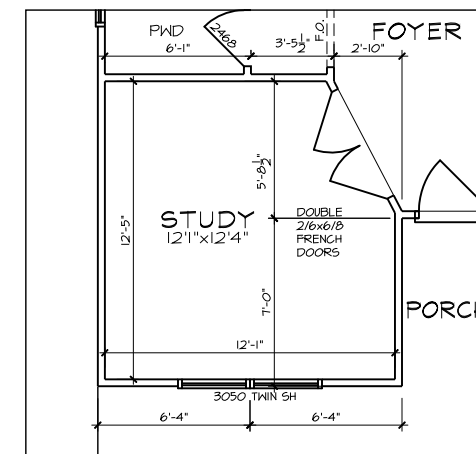
PPO - GROUND FLOOR PLAN
SIGNATURE KITCHEN



PPO - GROUND FLOOR PLAN
GAS FIREPLACE



PPO - GROUND FLOOR PLAN - CRAFTSMAN
BED5/BATH3 - CRAFTSMAN



PPO - GROUND FLOOR PLAN - CRAFTSMAN
STUDY - CRAFTSMAN



**MATTAMY HOMES
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CLIENT: **MATTAMY HOMES**
PROJECT: **SHENANDOAH - RH**
LOCATION: **NORTH CAROLINA**

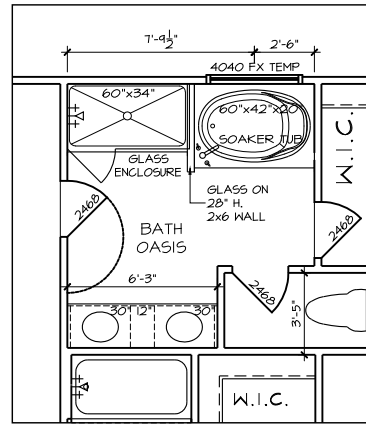
PROJECT NO.: **21901788**

DATE: **11/02/2021** DRAWN BY: **CAR**

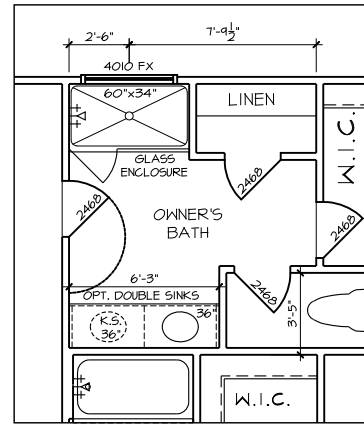
**FIRST FLOOR OPTIONS
FLOOR PLANS**

1.1

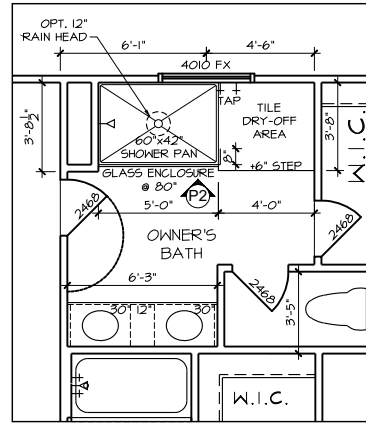
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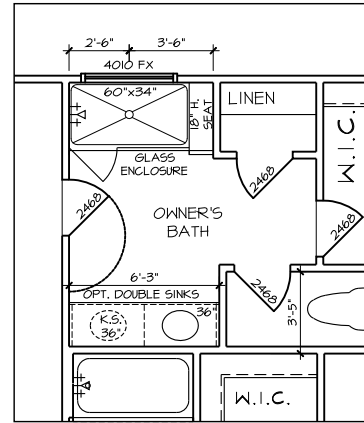
PPO - SECOND FLOOR PLAN
BATH OASIS



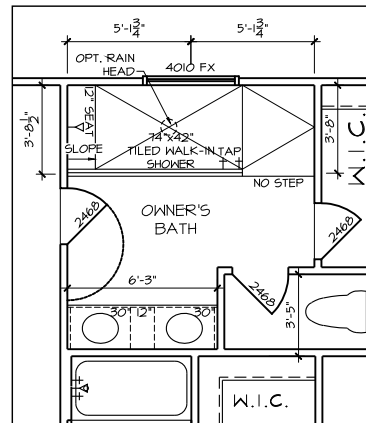
PPO - SECOND FLOOR PLAN
STAND-IN SHOWER



PPO - SECOND FLOOR PLAN
SUPER SHOWER



PPO - SECOND FLOOR PLAN
STAND-IN SHOWER w/ SEAT



PPO - SECOND FLOOR PLAN
SPA SHOWER

FLOOR PLAN NOTES

1. ALL FRAMED OPENINGS (F.O.) @ 80" ON 1ST & 96" ON 2ND U.N.O.
2. 4 SHELVES MAX. @ ALL LINEN & PANTRIES.
3. INSTALL HOUSE WRAP AT ALL ATTIC WALLS NEXT TO HEATED SPACES I.L.O. T-PLY.
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CLIENT: **MATTAMY HOMES**

PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

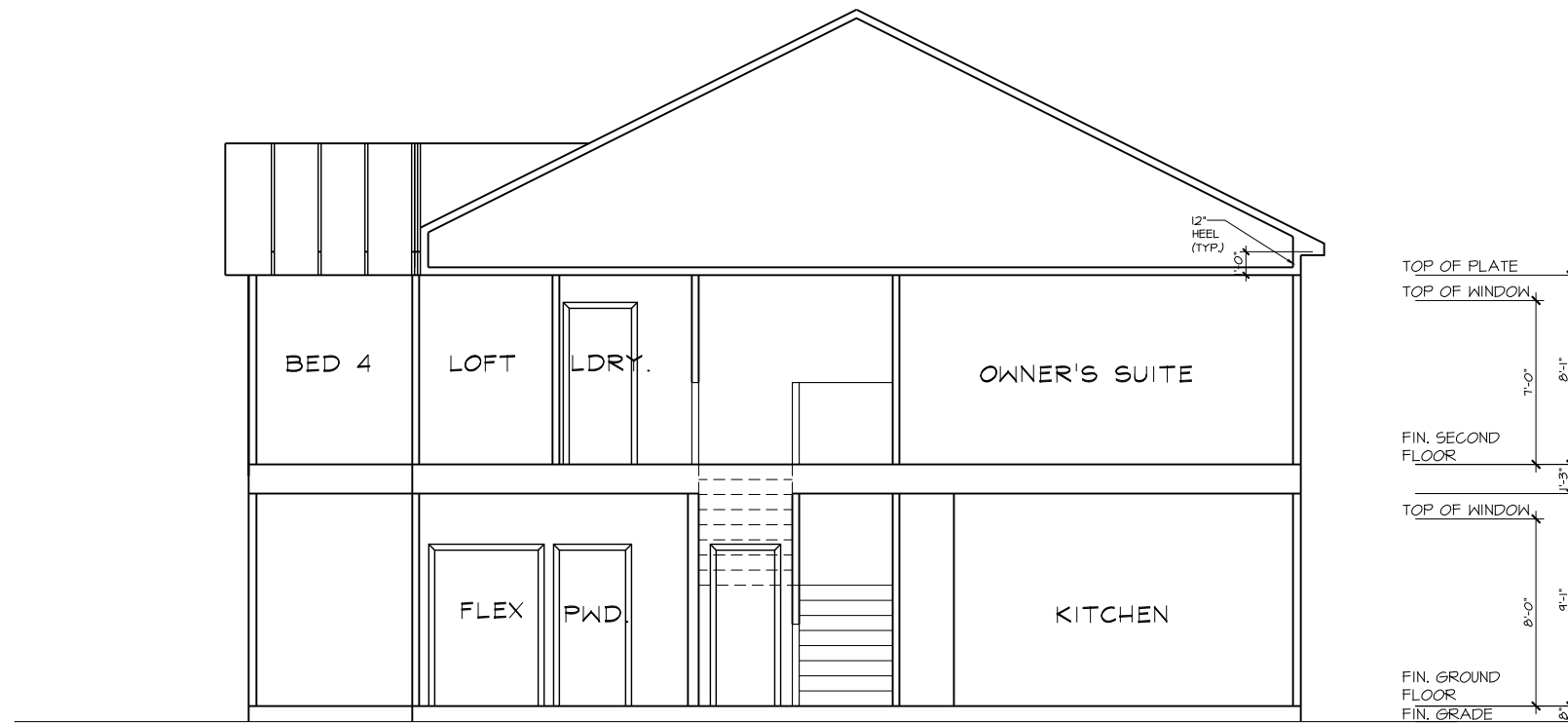
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PROJECT NO.: **21901788**

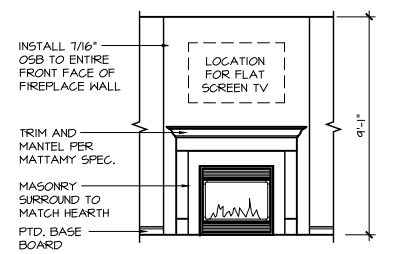
DATE: **11/02/2021** DRAWN BY: **CAR**

**SECOND FLOOR OPTIONS
FLOOR PLANS**

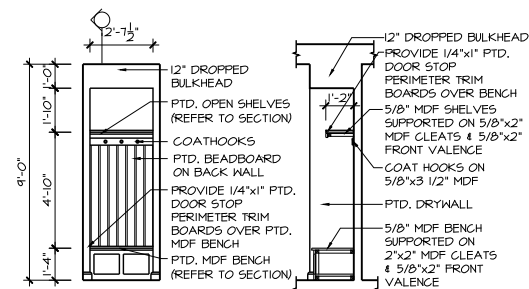
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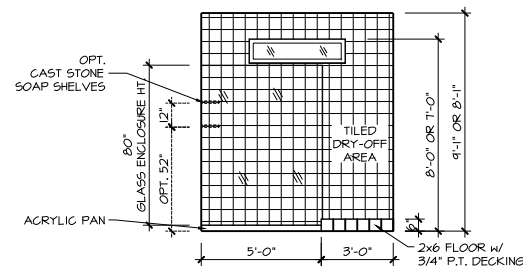
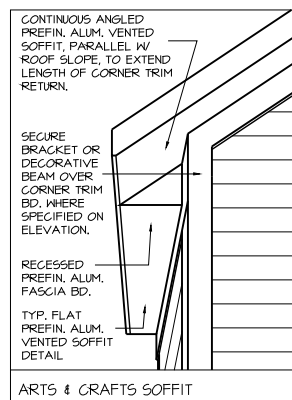
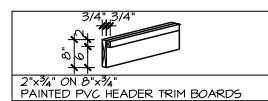
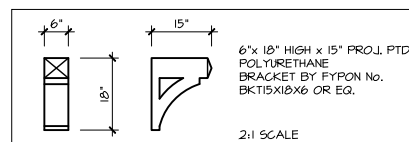
S1 SECTION



P1 GATHERING ROOM GAS FIREPLACE



E1 MUDROOM LOCKER



P2 SUPER SHOWER GLASS SHOWER ENCLOSURE



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CLIENT: MATTAMY HOMES
PROJECT: SHENANDOAH - RH
LOCATION: NORTH CAROLINA

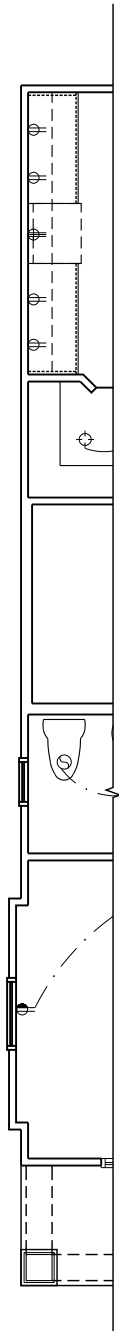
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PROJECT NO.: 21901788

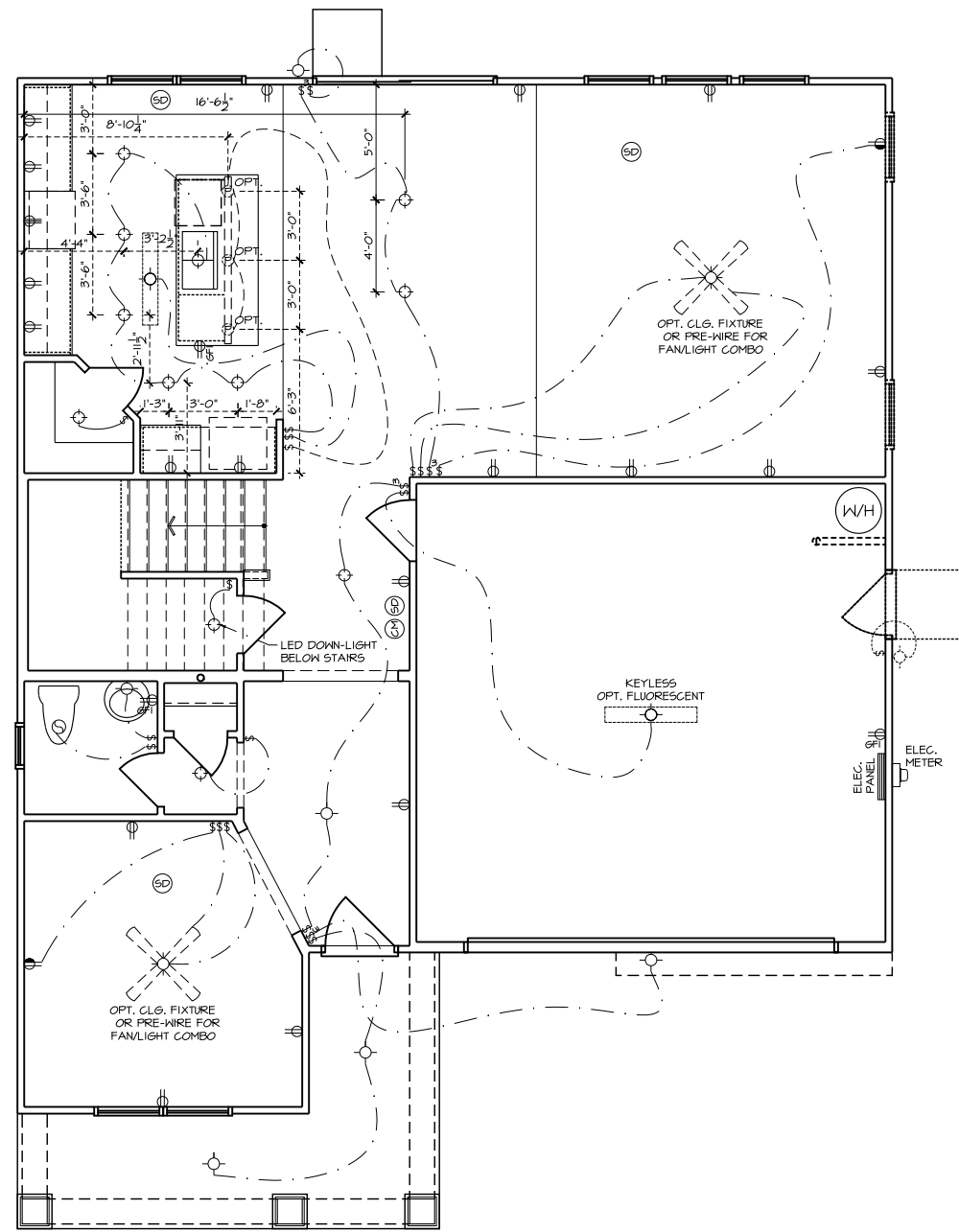
DATE: 11/02/2021 DRAWN BY: CAR

SECTIONS & DETAILS

4.0



ENHANCED SIDE ELEVATION - CRAFTSMAN



ELECTRICAL PLAN - CRAFTSMAN

ELECTRICAL LEGEND

- ⊕ 110V RECEPTACLE
- ⊕ 110V SWITCHED OUTLET
- ⊕ 220V RECEPTACLE
- WP ⊕ 110V RECEPTACLE (WATER PROOF)
- GFI ⊕ 110V GFI RECEPTACLE
- ⊕ RECESSED VAPOR PROOF LIGHT FIXTURE
- ⊕ LIGHT FIXTURE
- ⊕ RECESSED CAN LIGHT FIX.
- ⊕ OPT RECESSED CAN LIGHT FIX.
- ⊕ PENDANT LIGHT FIX.
- ⊕ 4' FLUORESCENT LIGHT
- ⊕ 2' FLUORESCENT LIGHT
- ⊕ 6" X 8" FLUORESCENT LIGHT
- ⊕ LIGHT SWITCH
- ⊕ 3-WAY LIGHT SWITCH
- ⊕ 4-WAY LIGHT SWITCH
- ⊕ EXHAUST FAN
- ⊕ EXHAUST FAN/ LIGHT COMBO
- ⊕ SMOKE DETECTOR
- ⊕ CARBON MONOXIDE
- ⊕ ON 'Q' PANEL
- ⊕ DOOR CHIMES
- ⊕ ELECTRICAL PANEL
- ⊕ OPT CEILING FAN W/ LIGHT
- ⊕ OPT FLOOD LIGHT

NOTE: ALL SMOKE DETECTORS TO BE INTERCONNECTED PER APPLICABLE CODE (SEE TITLE SHEET)

mattamyHOMES

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MATTAMY HOMES

PROJECT: SHENANDOAH - RH

LOCATION: NORTH CAROLINA

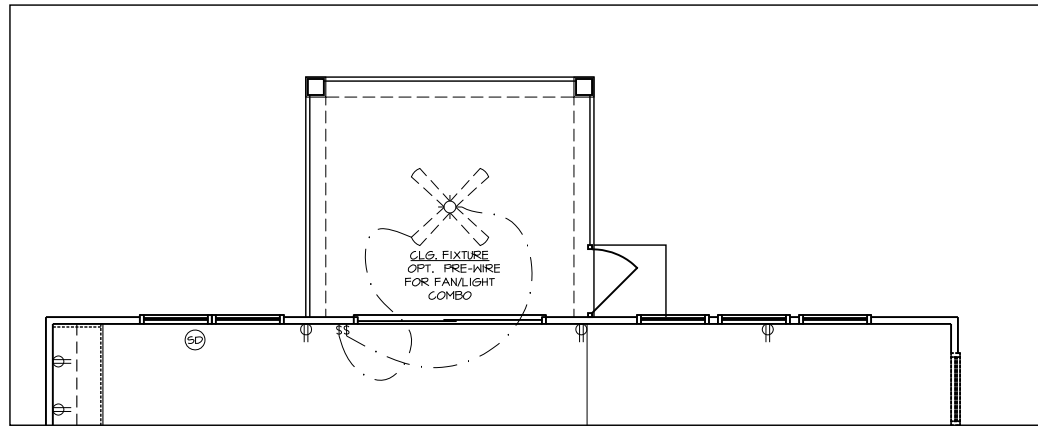
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PROJECT NO.: **21901788**

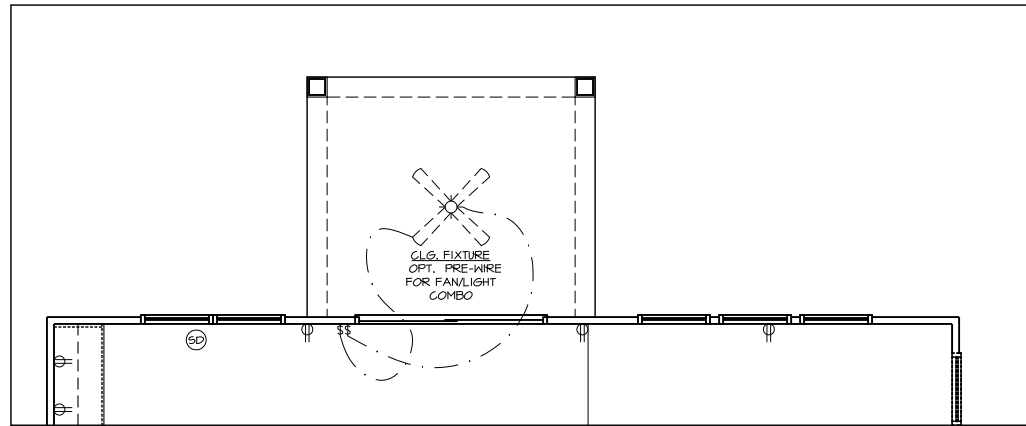
DATE: **11/02/2021** DRAWN BY: **CAR**

**FIRST FLOOR
ELECTRICAL PLAN**

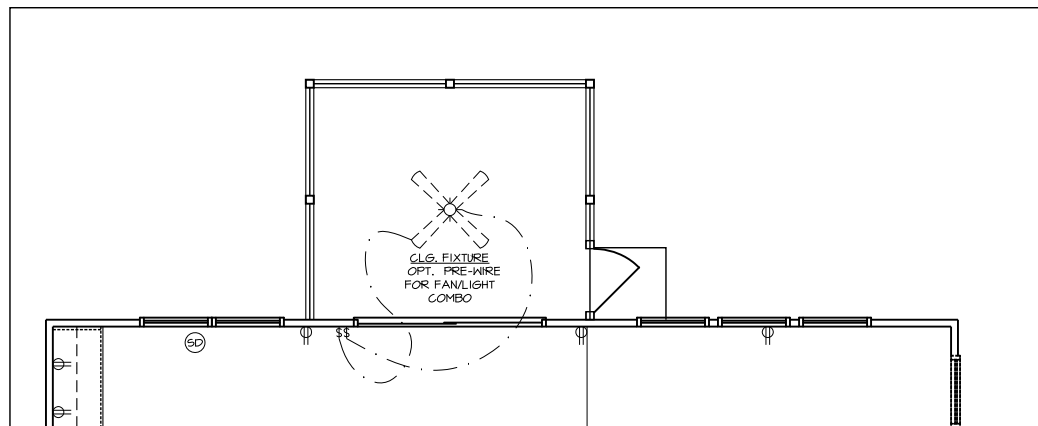
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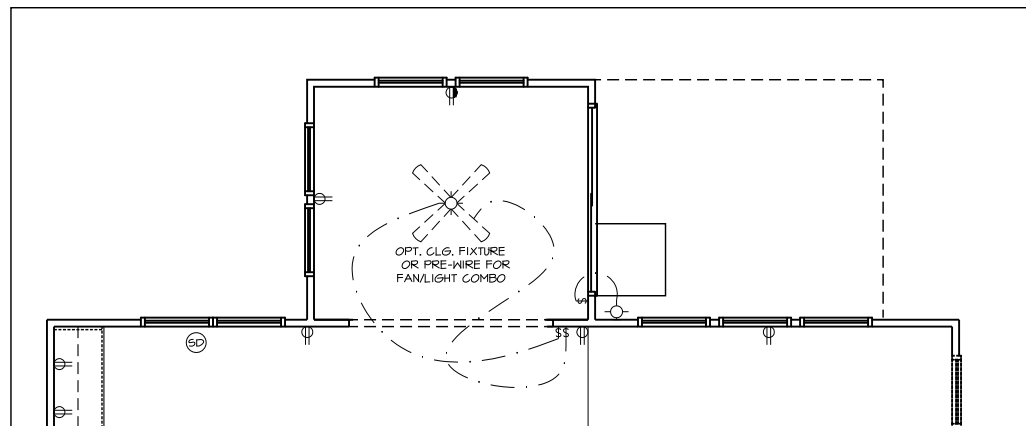
PPO - GROUND FLOOR ELECT. PLAN
SCREEN PORCH (CHARLOTTE)



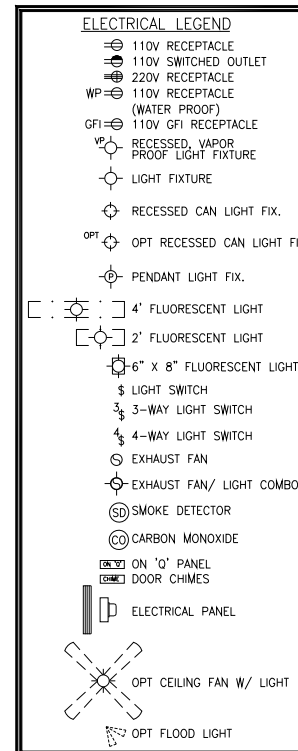
PPO - GROUND FLOOR ELECT. PLAN
COVERED VERANDA



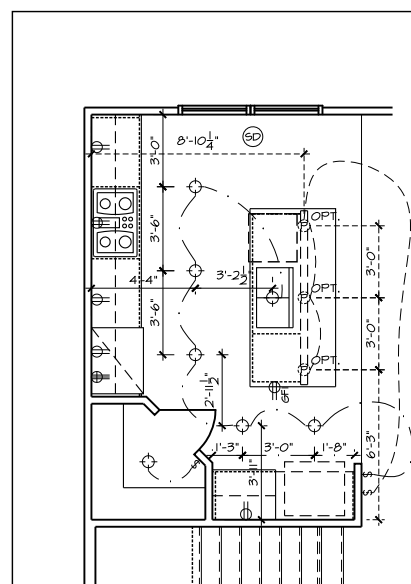
PPO - GROUND FLOOR ELECT. PLAN
SCREEN PORCH (RALEIGH)



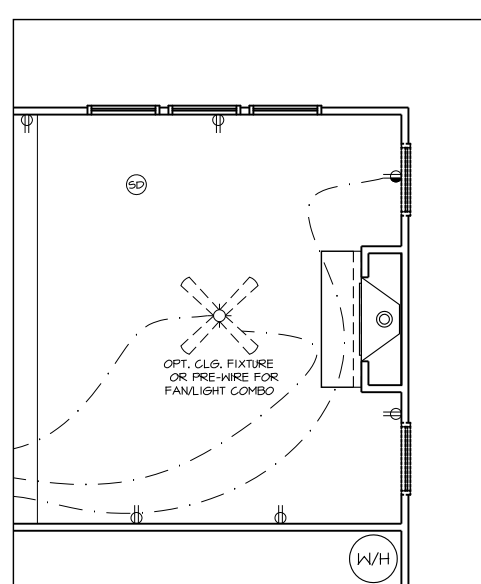
PPO - GROUND FLOOR ELECT. PLAN
SUNROOM



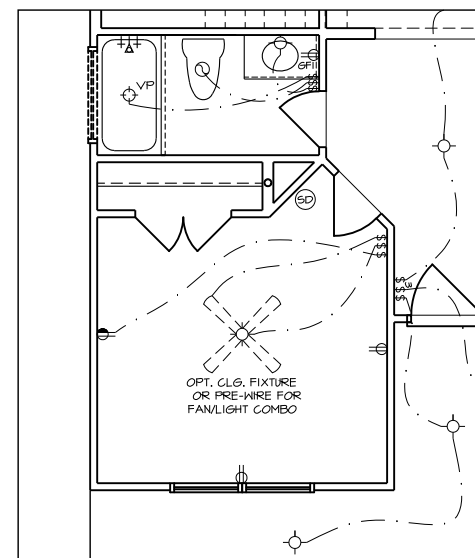
NOTE: ALL SMOKE DETECTORS TO BE INTERCONNECTED PER APPLICABLE CODE (SEE TITLE SHEET)



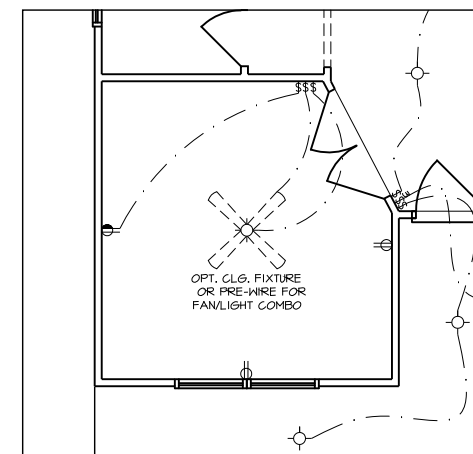
PPO - GROUND FLOOR ELECT. PLAN
SIGNATURE KITCHEN



PPO - GROUND FLOOR ELECT. PLAN
GAS FIREPLACE



PPO - GROUND FLOOR ELECT. PLAN - CRAFTSMAN
BED 5/BATH 3 - CRAFTSMAN



PPO - GROUND FLOOR ELECT. PLAN - CRAFTSMAN
STUDY - CRAFTSMAN



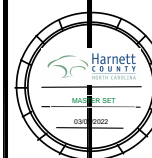
**MATTAMY HOMES
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PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

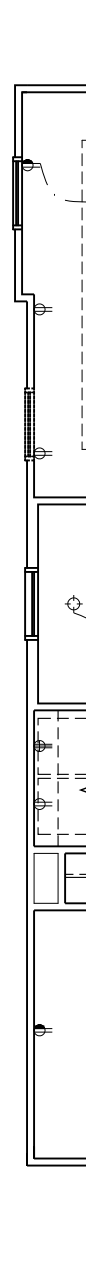
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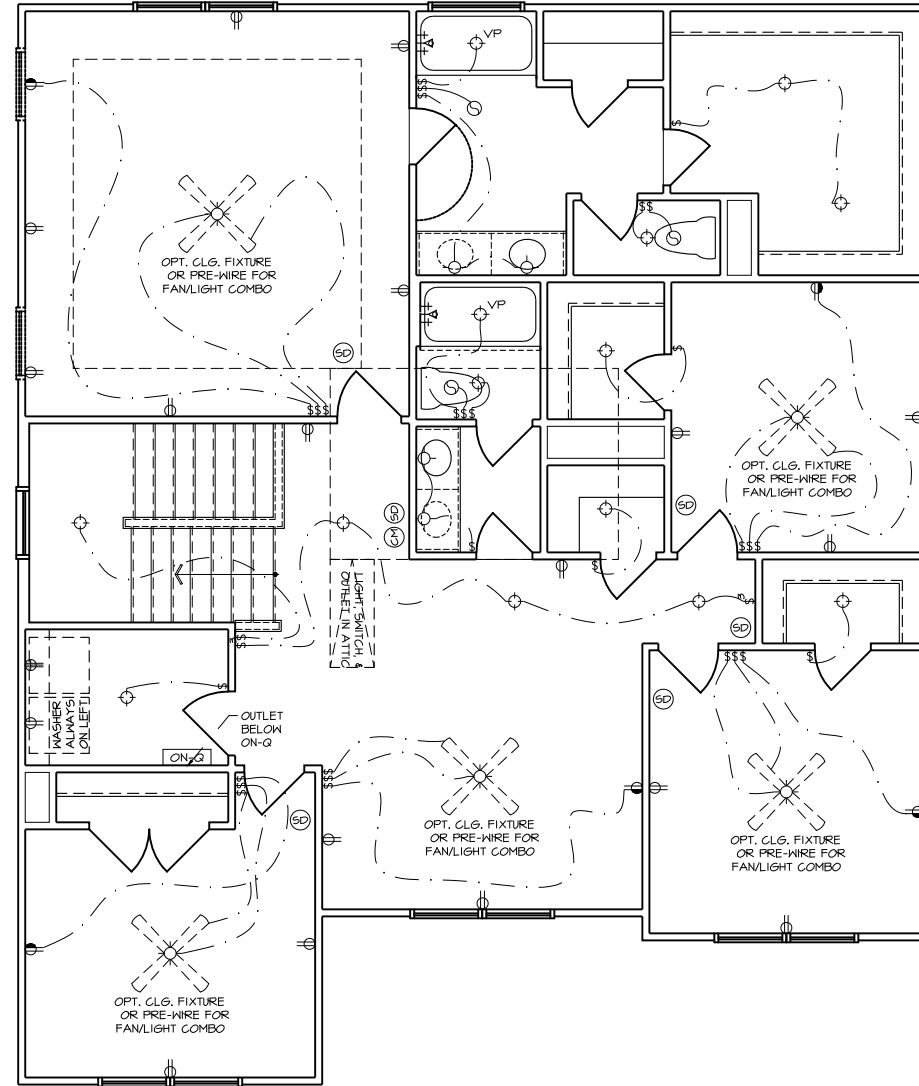
DRAWN BY: **CAR**

**FIRST FLOOR OPTIONS
ELECTRICAL PLANS**

6.1



ENHANCED SIDE ELEVATION
ELECTRICAL PLAN - CRAFTSMAN



SECOND FLOOR ELECTRICAL PLAN
- CRAFTSMAN

ELECTRICAL LEGEND

- ⊖ 110V RECEPTACLE
- ⊖ 110V SWITCHED OUTLET
- ⊖ 220V RECEPTACLE
- WP ⊖ 110V RECEPTACLE (WATER PROOF)
- GFI ⊖ 110V GFI RECEPTACLE
- VP ⊖ RECESSED VAPOR PROOF LIGHT FIXTURE
- ⊖ LIGHT FIXTURE
- ⊖ RECESSED CAN LIGHT FIX.
- OPT ⊖ OPT RECESSED CAN LIGHT FIX.
- ⊖ PENDANT LIGHT FIX.
- ⊖ 4' FLUORESCENT LIGHT
- ⊖ 2' FLUORESCENT LIGHT
- ⊖ 6" x 8" FLUORESCENT LIGHT
- ⊖ LIGHT SWITCH
- ⊖ 3-WAY LIGHT SWITCH
- ⊖ 4-WAY LIGHT SWITCH
- ⊖ EXHAUST FAN
- ⊖ EXHAUST FAN/ LIGHT COMBO
- ⊖ SMOKE DETECTOR
- ⊖ CARBON MONOXIDE
- ⊖ ON 'Q' PANEL
- ⊖ DOOR CHIMES
- ⊖ ELECTRICAL PANEL
- ⊖ OPT CEILING FAN W/ LIGHT
- ⊖ OPT FLOOD LIGHT

NOTE: ALL SMOKE DETECTORS TO BE INTERCONNECTED PER APPLICABLE CODE (SEE TITLE SHEET)



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PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

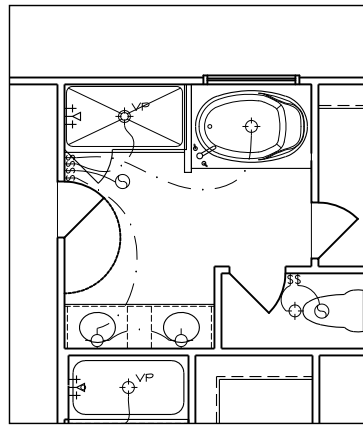
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PROJECT NO.: **21901788**

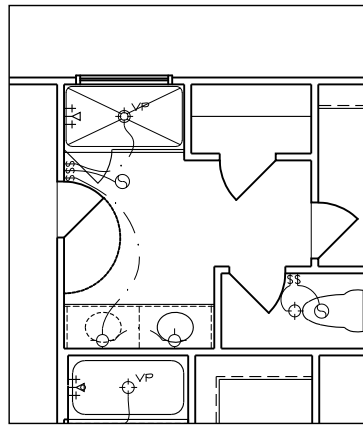
DATE: **11/02/2021** DRAWN BY: **CAR**

**SECOND FLOOR
ELECTRICAL PLAN**

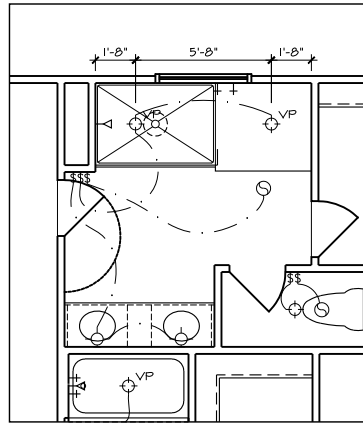
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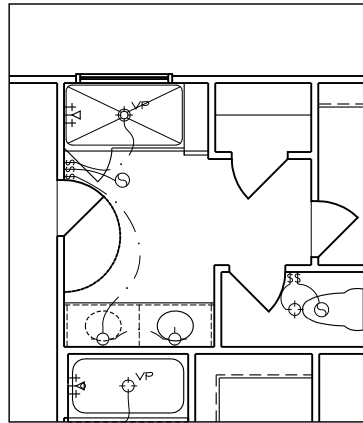
PPO - SECOND FLOOR ELECT. PLAN
STAND-IN SHOWER



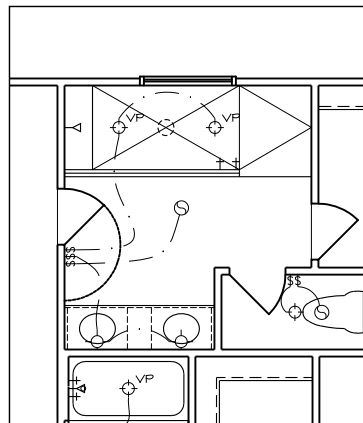
PPO - SECOND FLOOR ELECT. PLAN
STAND-IN SHOWER



PPO - SECOND FLOOR ELECT. PLAN
SUPER SHOWER



PPO - SECOND FLOOR ELECT. PLAN
STAND-IN SHOWER w/ SEAT



PPO - SECOND FLOOR ELECT. PLAN
SPA SHOWER

ELECTRICAL LEGEND

- ⊖ 110V RECEPTACLE
- ⊖ 110V SWITCHED OUTLET
- ⊖ 220V RECEPTACLE
- WP ⊖ 110V RECEPTACLE (WATER PROOF)
- GFI ⊖ 110V GFI RECEPTACLE
- VP ⊖ RECESSED, VAPOR PROOF LIGHT FIXTURE
- ⊖ LIGHT FIXTURE
- ⊖ RECESSED CAN LIGHT FIX.
- OPT ⊖ OPT RECESSED CAN LIGHT FIX.
- ⊖ PENDANT LIGHT FIX.
- ⊖ 4' FLUORESCENT LIGHT
- ⊖ 2' FLUORESCENT LIGHT
- ⊖ 6" x 8" FLUORESCENT LIGHT
- ⊖ LIGHT SWITCH
- ⊖ 3-WAY LIGHT SWITCH
- ⊖ 4-WAY LIGHT SWITCH
- ⊖ EXHAUST FAN
- ⊖ EXHAUST FAN/ LIGHT COMBO
- ⊖ SMOKE DETECTOR
- ⊖ CARBON MONOXIDE
- ⊖ ON 'O' PANEL
- ⊖ DOOR CHIMES
- ⊖ ELECTRICAL PANEL
- ⊖ OPT CEILING FAN W/ LIGHT
- ⊖ OPT FLOOD LIGHT

NOTE: ALL SMOKE DETECTORS TO BE INTERCONNECTED PER APPLICABLE CODE (SEE TITLE SHEET)

mattamyHOMES

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MATTAMY HOMES

PROJECT: SHENANDOAH - RH

LOCATION: NORTH CAROLINA

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 24x36 PAPER, OR AS NOTED

PROJECT NO.: **21901788**

DATE: **11/02/2021** DRAWN BY: **CAR**

**SECOND FLOOR OPTIONS
ELECTRICAL PLANS**

7.1

NOTE: ALL CHAPTERS, SECTIONS, TABLES, AND FIGURES CITED WITHOUT A PUBLICATION TITLE ARE FROM THE APPLICABLE RESIDENTIAL CODE (SEE TITLE SHEET).

GENERAL

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. FURTHERMORE, CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SAFETY ON SITE. NOTIFY JDS CONSULTING, PLLC IMMEDIATELY IF DISCREPANCIES ON PLAN EXIST.

2. BRACED-WALL DESIGN IS BASED ON SECTION R602.10 - WALL BRACING. PRIMARY PRESCRIPTIVE METHOD TO BE CS-WSP. SEE WALL BRACING PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

ALL NON-PRESCRIPTIVE SOLUTIONS ARE BASED ON GUIDELINES ESTABLISHED IN THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION ASCE 7 AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION - SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC.

3. SEISMIC DESIGN SHALL BE PER SECTION R301.2.2 - SEISMIC PROVISIONS, INCLUDING ASSOCIATED TABLES AND FIGURES, BASED ON LOCAL SEISMIC DESIGN CATEGORY.

DESIGN LOADS

ASSUMED SOIL BEARING-CAPACITY	2,000 PSF
LIVE LOAD	
ULTIMATE DESIGN WIND SPEED	115 MPH, EXPOSURE B
GROUND SNOW	15 PSF
ROOF	20 PSF
RESIDENTIAL CODE TABLE R301.6 LIVE LOAD (PSF)	
DWELLING UNITS	40
SLEEPING ROOMS	30
ATTICS WITH STORAGE	20
ATTICS WITHOUT STORAGE	10
STAIRS	40
DECKS	40
EXTERIOR BALCONIES	60
PASSENGER VEHICLE GARAGES	50
FIRE ESCAPES	40
GUARDS AND HANDRAILS	200 (pounds, concentrated)

COMPONENT AND CLADDING LOADS, INCLUDING THOSE FOR DOORS AND WINDOWS, SHALL BE DERIVED FROM TABLES R301.2.2.1 AND R301.2.2.2. FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 35 FEET, LOCATED IN EXPOSURE B.

ABBREVIATIONS

ABV	ABOVE	KS	KING STUD COLUMN
AFF	ABOVE FINISHED FLOOR	LVL	LAMINATED VENEER LUMBER
ALT	ALTERNATE	MAX	MAXIMUM
BRG	BEARING	MECH	MECHANICAL
BSMT	BASEMENT	MFTR	MANUFACTURER
CANT	CANTILEVER	MIN	MINIMUM
CJ	CEILING JOIST	NTS	NOT TO SCALE
CLG	CEILING	OA	OVERALL
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CO	CASED OPENING	PT	PRESSURE TREATED
COL	COLUMN	R	RISER
CONC	CONCRETE	REF	REFRIGERATOR
CONT	CONTINUOUS	RFG	ROOFING
D	CLOTHES DRYER	RO	ROUGH OPENING
DBL	DOUBLE	RS	ROOF SUPPORT
DIAM	DIAMETER	SC	STUD COLUMN
DJ	DOUBLE JOIST	SF	SQUARE FOOT (FEET)
DN	DOWN	SH	SHELF / SHELVES
DP	DEEP	SHTG	SHEATHING
DR	DOUBLE RAFTER	SHW	SHOWER
DSP	DOUBLE STUD POCKET	SIM	SIMILAR
EA	EACH	SJ	SINGLE JOIST
EE	EACH END	SP	STUD POCKET
EQ	EQUAL	SPEC'D	SPECIFIED
EX	EXTERIOR	SQ	SQUARE
FAU	FORCED-AIR UNIT	T	TREAD
FDN	FOUNDATION	TEMP	TEMPERED GLASS
FF	FINISHED FLOOR	THK	THICK(NESS)
FLR	FLOOR(ING)	TJ	TRIPLE JOIST
FP	FIREPLACE	TOC	TOP OF CURB / CONCRETE
FTG	FOOTING	TR	TRIPLE RAFTER
HB	HOSE BIBB	TYP	TYPICAL
HDR	HEADER	UNO	UNLESS NOTED OTHERWISE
HGR	HANGER	W	CLOTHES WASHER
JS	JACK STUD COLUMN	WH	WATER HEATER
		WWF	WELDED WIRE FABRIC
		XJ	EXTRA JOIST

MATERIALS

1. INTERIOR / TRIMMED FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES (#2 SOUTHERN YELLOW PINE MAY BE SUBSTITUTED):

Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI

2. FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED #2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES:

Fb = 975 PSI Fv = 95 PSI E = 1.6E6 PSI

3. LVL STRUCTURAL MEMBERS TO BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSI

4. PSL STRUCTURAL MEMBERS TO BE PARALLEL STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2900 PSI Fv = 290 PSI E = 2.0E6 PSI

5. LSL STRUCTURAL MEMBERS TO BE LAMINATED STRAND LUMBER WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES:

Fb = 2250 PSI Fv = 400 PSI E = 1.55E6 PSI

6. STRUCTURAL STEEL WIDE-FLANGE BEAMS SHALL CONFORM TO ASTM A992. Fy = 50 KSI

7. REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615, GRADE 60.

8. POURED CONCRETE COMPRESSIVE STRENGTH TO BE A MINIMUM 3,000 PSI AT 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE APPLICABLE STANDARDS LISTED IN AMERICAN CONCRETE INSTITUTE STANDARD ACI 318 OR ASTM C1157.

9. CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING PROBABILITY PER TABLE R301.2.1.1 SHALL BE AIR-ENTRAINED WHEN REQUIRED BY TABLE R402.2.

10. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.

11. MORTAR SHALL COMPLY WITH ASTM INTERNATIONAL STANDARD C270.

12. INDICATED MODEL NUMBERS FOR ALL METAL HANGERS, STRAPS, FRAMING CONNECTORS, AND HOLD-DOWNS ARE SIMPSON STRONG-TIE BRAND. EQUIVALENT USP BRAND PRODUCTS ARE ACCEPTABLE.

13. REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES.

FOUNDATION

1. MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2,000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY IF UNSATISFACTORY CONDITIONS EXIST.

2. CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 OR AMERICAN CONCRETE INSTITUTE STANDARD ACI 318.

3. MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R404 AND/OR AMERICAN CONCRETE INSTITUTE PUBLICATION 530: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMPANION COMMENTARIES AND/OR THE MASONRY SOCIETY PUBLICATION TMS 402/602: BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.

4. CONCRETE WALL HORIZONTAL REINFORCEMENT TO BE PER TABLE R404.1.2.1 OR AS NOTED OR DETAILED. CONCRETE WALL VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.2.3 AND 4 OR AS NOTED OR DETAILED. ALL CONCRETE WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.

- A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
- B. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R406.

5. PLAIN-MASONRY WALL DESIGN TO BE PER TABLE R404.1.1.1 OR AS NOTED OR DETAILED. MASONRY WALLS WITH VERTICAL REINFORCEMENT TO BE PER TABLES R404.1.1.2 THROUGH 4 OR AS NOTED OR DETAILED. ALL MASONRY WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTER 6.

- A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
- B. WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
- C. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER SECTION R406.

6. WOOD SILL PLATES TO BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT, SPACED A MAXIMUM OF 6'-0" OC AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. INSTALL MINIMUM (2) ANCHOR BOLTS PER SECTION. SEE SECTION R403.1.6 FOR SPECIFIC CONDITIONS.

7. THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED, HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION.

8. CENTERS OF PIERS TO BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDERS SHALL CENTER IN THE MIDDLE THIRD OF THE PIERS.

9. ALL FOOTINGS TO HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS (SEE DETAILS).

10. ALL REBAR NOTED IN CONCRETE TO HAVE AT LEAST 2" COVER FROM EDGE OF CONCRETE TO EDGE OF REBAR.

11. FRAMING TO BE FLUSH WITH FOUNDATION WALLS.

12. WITH CLASS 1 SOILS, VAPOR BARRIER AND CRUSHED STONE MAY BE OMITTED.

FRAMING

1. ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED W/ MIN (1) JACK STUD AND (1) KING STUD EACH END, UNO.

2. ALL NON-BEARING HEADERS TO BE (2) 2x4, UNO.

3. NON-BEARING INTERIOR WALLS NOT MORE THAN 10' NOMINAL HEIGHT AND NOT SHOWN AS BRACED WALLS MAY BE FRAMED WITH 2x4 STUDS @ 24" OC.

4. SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.

5. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION.

6. ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.

7. PORCH / PATIO COLUMNS TO BE 4x4 MINIMUM PRESSURE-TREATED LUMBER.

- A. ATTACH PORCH COLUMNS TO SLAB / FDN WALL USING ABA, ABU, ABW, OR CPT SIMPSON POST BASES TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
- B. ATTACH PORCH COLUMNS TO PORCH BEAMS USING AC OR BC SIMPSON POST CAPS TO FIT COLUMN SIZES NOTED ON PLAN -OR- ANY OTHER COLUMN CONNECTION WITH 500# UPLIFT CAPACITY.
- C. TRIM OUT COLUMN(S) AND BEAM(S) PER BUILDER AND DETAILS.

7. ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.

8. ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS:

- A. SHOP DRAWINGS FOR THE SYSTEMS SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR REVIEW AND COORDINATION BEFORE CONSTRUCTION.
- B. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER.
- C. INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
- D. TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE DRAWINGS.

9. ALL BEAMS TO BE CONTINUOUSLY SUPPORTED Laterally AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED, WITH A MINIMUM OF THREE STUDS, UNO.

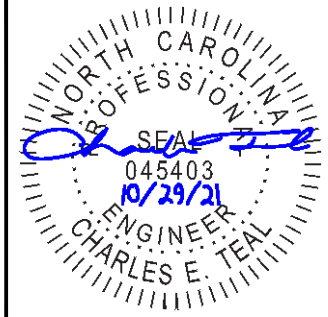
10. ALL STEEL BEAMS TO BE SUPPORTED AT EACH END WITH A MIN BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ATTACHED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS, UNO.

11. STEEL FLITCH BEAMS TO BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM 307) WITH WASHERS PLACED UNDER THE THREADED END OF THE BOLT. BOLTS TO BE SPACED AT 24" OC (MAX) AND STAGGERED TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH TWO BOLTS TO BE LOCATED AT 6" FROM EACH END OF FLITCH BEAM.

12. WHEN A 4-PLY LVL BEAM IS USED, ATTACH WITH (1) 1/2" DIAMETER BOLT, 12" OC, STAGGERED TOP AND BOTTOM, 1 1/2" MIN FROM ENDS. ALTERNATE EQUIVALENT ATTACHMENT METHOD MAY BE USED, SUCH AS SDS, SDW, OR TRUSSLOK SCREWS (SEE MANUFACTURER SPECIFICATIONS).

13. FOR STUD COLUMNS OF 4-OR-MORE STUDS, INSTALL SIMPSON STRONG-TIE CS16 STRAPS ACROSS STUDS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

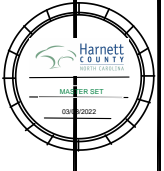
14. FLOOR JOISTS ADJACENT AND PARALLEL TO THE EXTERIOR FOUNDATION WALL SHALL BE PROVIDED WITH FULL-DEPTH SOLID BLOCKING, NOT LESS THAN TWO (2) INCHES NOMINAL IN THICKNESS, PLACED PERPENDICULAR TO THE JOIST AT SPACING NOT MORE THAN FOUR (4) FEET. THE BLOCKING SHALL BE NAILED TO THE FLOOR SHEATHING, THE SILL PLATE, THE JOIST, AND THE EXTERIOR RIM JOIST / BOARD.



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 PROJECT: **SHENANDOAH - RH**
 LOCATION: **NORTH CAROLINA**
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GENERAL NOTES
GN1.0

FASTENER SCHEDULE		
CONNECTION	3" x 0.131" NAIL	3" x 0.120" NAIL
JOIST TO SILL PLATE	(4) TOE NAILS	(4) TOE NAILS
SOLE PLATE TO JOIST / BLOCKING	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)	NAILS @ 8" OC (typical) (4) PER 16" SPACE (at braced panels)
STUD TO SOLE PLATE	(4) TOE NAILS	(4) TOE NAILS
TOP OR SOLE PLATE TO STUD	(3) FACE NAILS	(4) FACE NAILS
RIM JOIST OR BAND JOIST TO TOP PLATE OR SILL PLATE	TOE NAILS @ 6" OC	TOE NAILS @ 4" OC
BLOCKING BETWEEN JOISTS TO TOP PLATE OR SILL PLATE	(4) TOE NAILS	(4) TOE NAILS
DOUBLE STUD	NAILS @ 8" OC	NAILS @ 8" OC
DOUBLE TOP PLATES	NAILS @ 12" OC	NAILS @ 12" OC
DOUBLE TOP PLATES LAP (24" MIN LAP LENGTH)	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT	(12) NAILS IN LAPPED AREA, EA SIDE OF JOINT
TOP PLATE LAP AT CORNERS AND INTERSECTING WALLS	(3) FACE NAILS	(3) FACE NAILS
OPEN-WEB TRUSS BOTTOM CHORD TO TOP PLATES OR SILL PLATE (PARALLEL TO WALL)	NAILS @ 6" OC	NAILS @ 4" OC
BOTTOM CHORD OF TRUSS TO TOP PLATES OR SILL PLATE (PERPENDICULAR TO WALL)	(3) TOE NAILS	(3) TOE NAILS

SEE TABLE R002.3(1) FOR ADDITIONAL STRUCTURAL-MEMBER FASTENING REQUIREMENTS.

DETAILS AND NOTES ON DRAWINGS GOVERN.


BALLOON WALL FRAMING SCHEDULE

FRAMING MEMBER SIZE	MAX HEIGHT (PLATE TO PLATE) 116 MPH ULTIMATE DESIGN WIND SPEED
2x4 @ 16" OC	10'-0"
2x4 @ 12" OC	12'-0"
2x6 @ 16" OC	15'-0"
2x6 @ 12" OC	17'-9"
2x8 @ 16" OC	19'-0"
2x8 @ 12" OC	22'-0"
(2) 2x4 @ 16" OC	14'-6"
(2) 2x4 @ 12" OC	17'-0"
(2) 2x6 @ 16" OC	21'-6"
(2) 2x6 @ 12" OC	25'-0"
(2) 2x8 @ 16" OC	27'-0"
(2) 2x8 @ 12" OC	31'-0"


- ALL HEIGHTS ARE MEASURED SUBFLOOR TO TOP OF WALL PLATE.
- WHEN SPLIT-FRAMED WALLS ARE USED FOR HEIGHTS OVER 12', THE CONTRACTOR SHALL ADD 6' MINIMUM OF CS16 COIL STRAPPING (FULLY NAILED), CENTERED OVER THE WALL BREAK.
- FINGER-JOINTED MEMBERS MAY BE USED FOR CONTINUOUS HEIGHTS WHERE TRADITIONALLY MILLED LUMBER LENGTHS ARE LIMITED.
- FOR GREATER WIND SPEED, SEE ENGINEERED SOLUTION FOR CONDITION IN DRAWINGS.

ROOF SYSTEMS

TRUSSED ROOF - STRUCTURAL NOTES

- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
-  DENOTES OVER-FRAMED AREA
- MINIMUM 7/16" OSB ROOF SHEATHING
- TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
- PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

STICK-FRAMED ROOF - STRUCTURAL NOTES

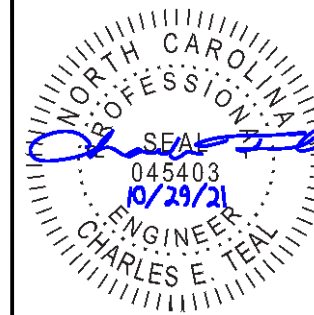
- PROVIDE 2x4 COLLAR TIES AT 48" OC AT UPPER THIRD OF RAFTERS, UNLESS NOTED OTHERWISE.
- FUR RIDGES FOR FULL RAFTER CONTACT.
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
-  DENOTES OVER-FRAMED AREA
- MINIMUM 7/16" OSB ROOF SHEATHING
- PROVIDE 2x4 RAFTER TIES AT 16" OC AT 45° BETWEEN RAFTERS AND CEILING JOISTS. USE (4) 16d NAILS AT EACH CONNECTION. RAFTER TIES MAY BE SPACED AT 48" OC AT LOCATIONS WHERE NO KNEE WALLS ARE INSTALLED.
- PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH RAFTER-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

BRICK VENEER LINTEL SCHEDULE

SPAN	STEEL ANGLE SIZE	END BEARING LENGTH
UP TO 42"	L3-1/2"x3-1/2"x1/4"	8" (MIN. @ EACH END)
UP TO 72"	L6"x4"x5/16" (LLV)	8" (MIN. @ EACH END)
OVER 72"	L6"x4"x5/16" (LLV) ATTACH LINTEL w/ 1/2" THRU BOLT @ 12" OC, 3" FROM EACH END	

* FOR QUEEN BRICK: LINTELS AT THIS CONDITION MAY BE 5"x3-1/2"x5/16"

NOTE: BRICK LINTELS AT SLOPED AREAS TO BE 4"x3-1/2"x1/4" STEEL ANGLE WITH 16D NAILS IN 3/16" HOLES IN 4" ANGLE LEG AT 12" OC TO TRIPLE RAFTER. WHEN THE SLOPE EXCEEDS 4:12 A MINIMUM OF 3"x3"x1/4" PLATES SHALL BE WELDED AT 24" OC ALONG THE STEEL ANGLE.

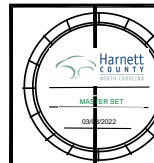


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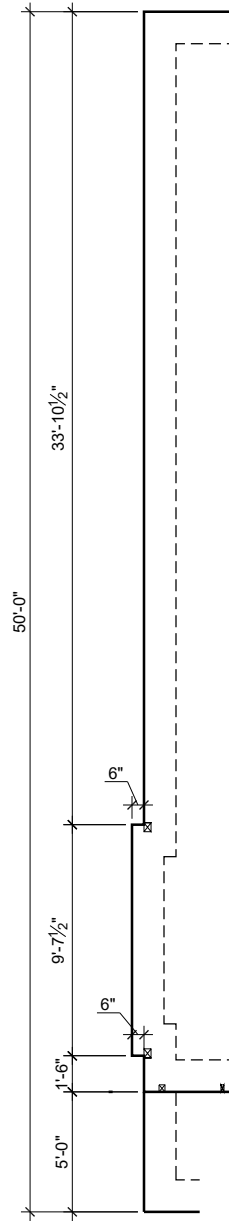


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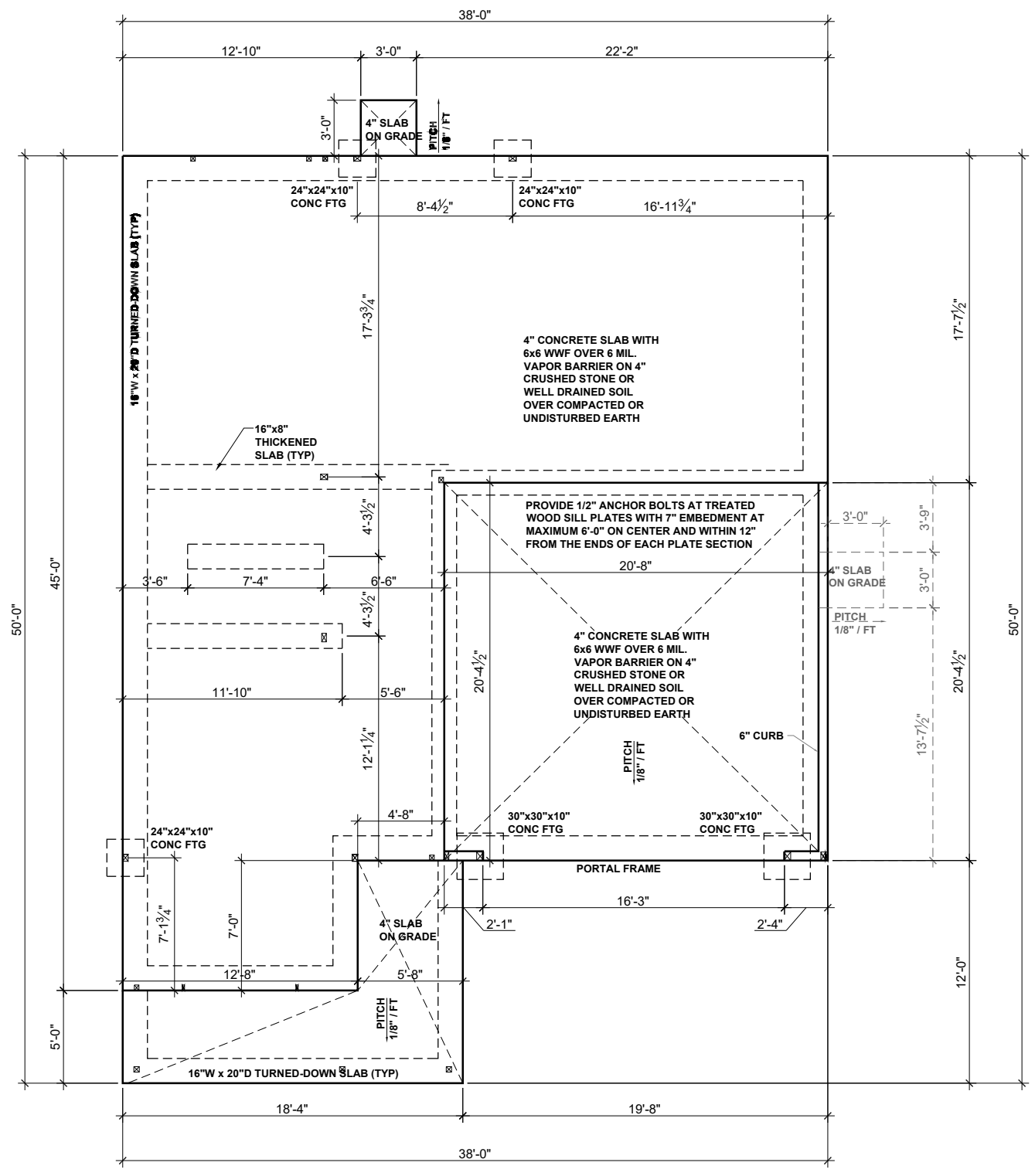
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GENERAL NOTES

GN1.1



ENHANCED SIDE ELEVATION

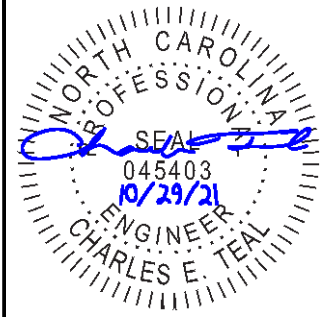


SLAB FOUNDATION PLAN - CRAFTSMAN
SCALE: 1/8"=1'-0"

BEAM & POINT LOAD LEGEND

- LOAD BEARING WALL
- ROOF RAFTER/TRUSS SUPPORT
- - - DOUBLE RAFTER / DOUBLE JOIST
- STRUCTURAL BEAM / GIRDER
- WINDOW / DOOR HEADER
- POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

MAT CLT ONLY: ALL FOOTINGS TO HAVE CONTINUOUS (2) #4 REBAR



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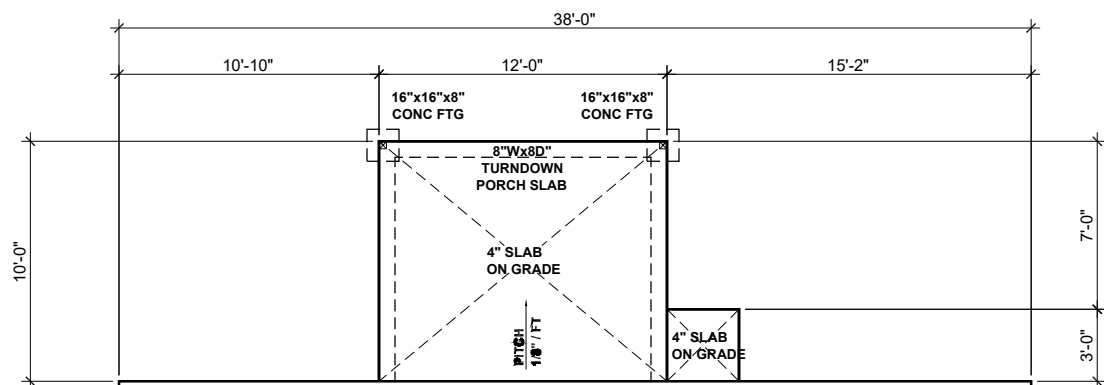
mattamyHOMES

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SLAB FOUNDATION PLAN

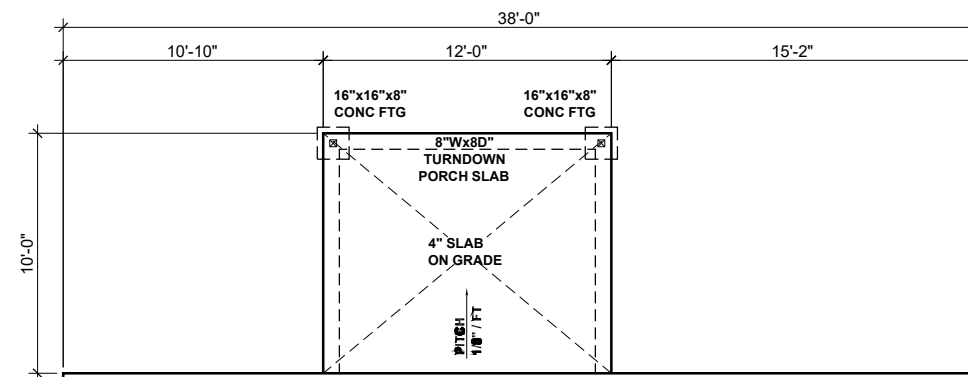
S.10



4" CONCRETE SLAB WITH 6x6 WWF -or- FIBERMESH REINF. OVER 6 MIL. VAPOR BARRIER ON 4" CRUSHED STONE OVER COMPACTED OR UNDISTURBED EARTH

SEE MAIN PLAN FOR HOUSE POINT LOAD FOOTINGS

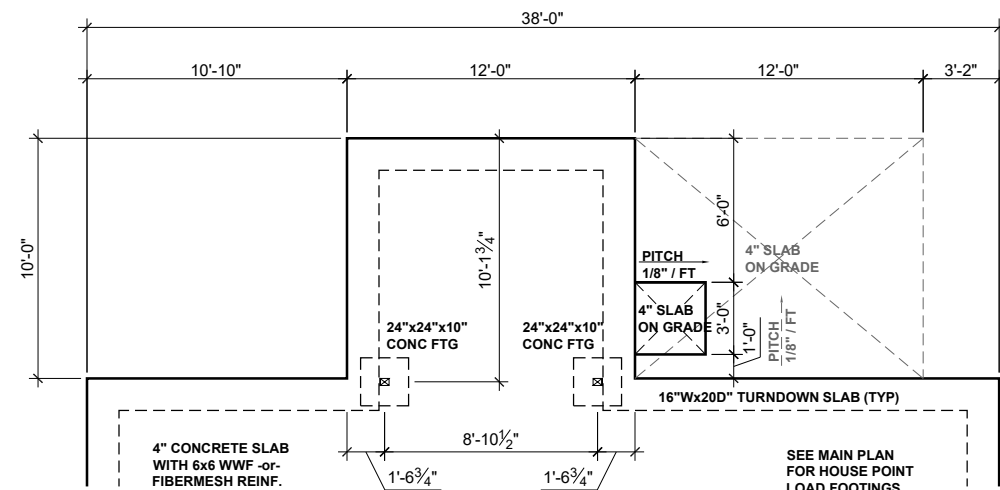
SCREENED PORCH - MAT RALEIGH



4" CONCRETE SLAB WITH 6x6 WWF -or- FIBERMESH REINF. OVER 6 MIL. VAPOR BARRIER ON 4" CRUSHED STONE OVER COMPACTED OR UNDISTURBED EARTH

SEE MAIN PLAN FOR HOUSE POINT LOAD FOOTINGS

COVERED VERANDA - BOTH LOCATIONS SCREENED PORCH - MAT CHARLOTTE



4" CONCRETE SLAB WITH 6x6 WWF -or- FIBERMESH REINF. OVER 6 MIL. VAPOR BARRIER ON 4" CRUSHED STONE OVER COMPACTED OR UNDISTURBED EARTH

SEE MAIN PLAN FOR HOUSE POINT LOAD FOOTINGS

SUNROOM FOUNDATION

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

SLAB FOUNDATION OPTIONS - CRAFTSMAN

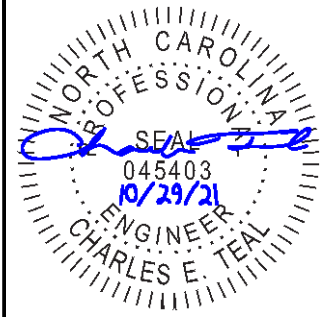
SCALE: 1/8"=1'-0"

BEAM & POINT LOAD LEGEND:

- LOAD BEARING WALL
- - - ROOF RAFTER/TRUSS SUPPORT
- - - DOUBLE RAFTER / DOUBLE JOIST
- - - STRUCTURAL BEAM / GIRDER
- - - WINDOW / DOOR HEADER
- ☒ POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

MAT CLT ONLY: ALL FOOTINGS TO HAVE CONTINUOUS (2) #4 REBAR

SEE FULL PLAN FOR ADDITIONAL INFORMATION



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P-0961

MATTAMY HOMES

CLIENT: **MATTAMY HOMES**

PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

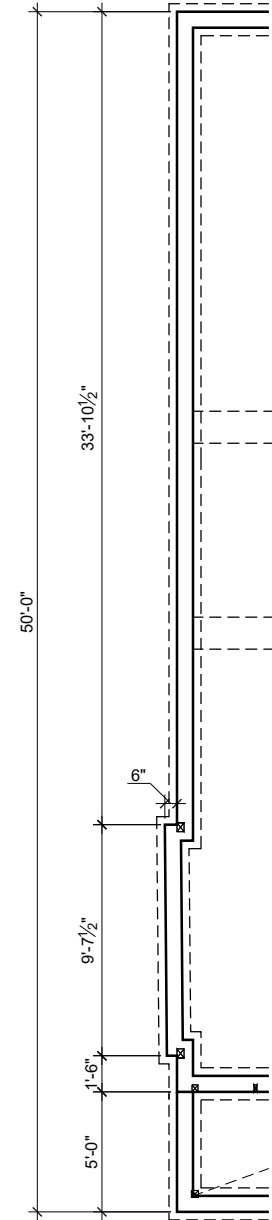


PROJECT NO.: **21901788**

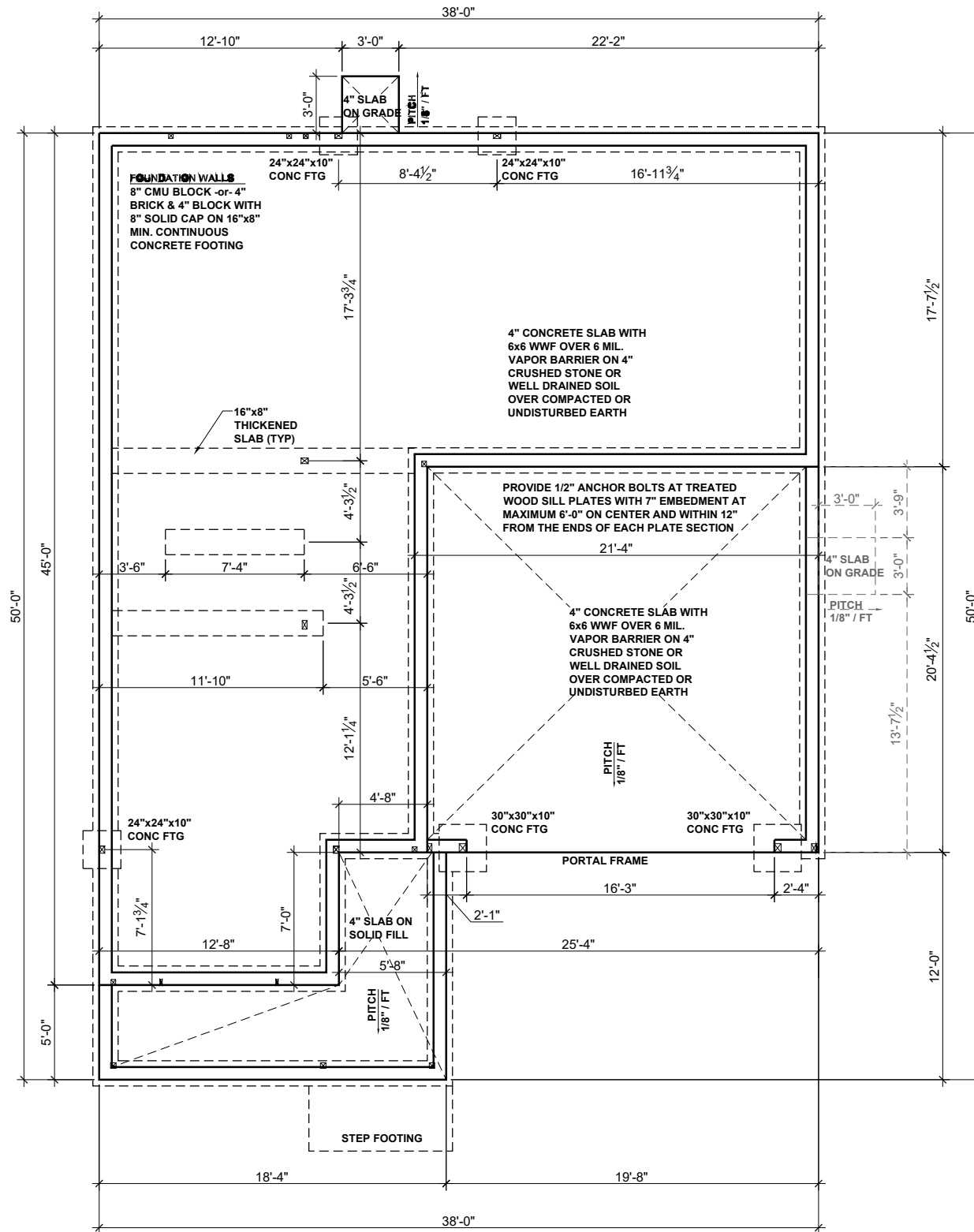
DATE: **10/29/2021** DRAWN BY: **ABS**

SLAB FOUNDATION OPTIONS

S.11



ENHANCED SIDE ELEVATION



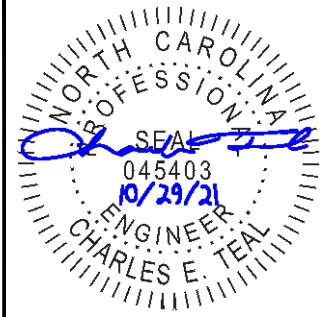
STEM WALL PLAN - CRAFTSMAN

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

BEAM & POINT LOAD LEGEND

	LOAD BEARING WALL
	ROOF RAFTER/TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

MAT CLT ONLY: ALL FOOTINGS TO HAVE CONTINUOUS (2) #4 REBAR



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CLIENT: **MATTAMY HOMES**
 PROJECT: **SHENANDOAH - RH**
 LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

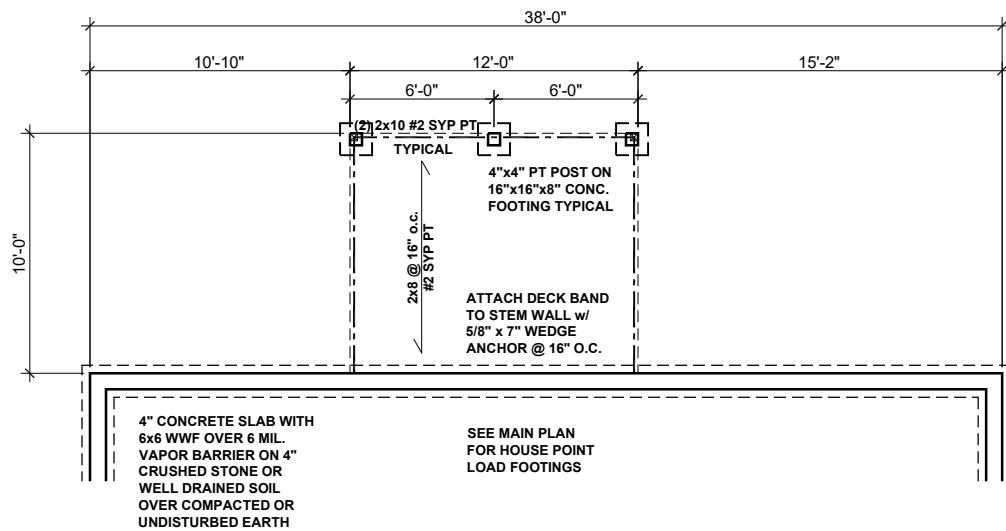


PROJECT NO.: **21901788**

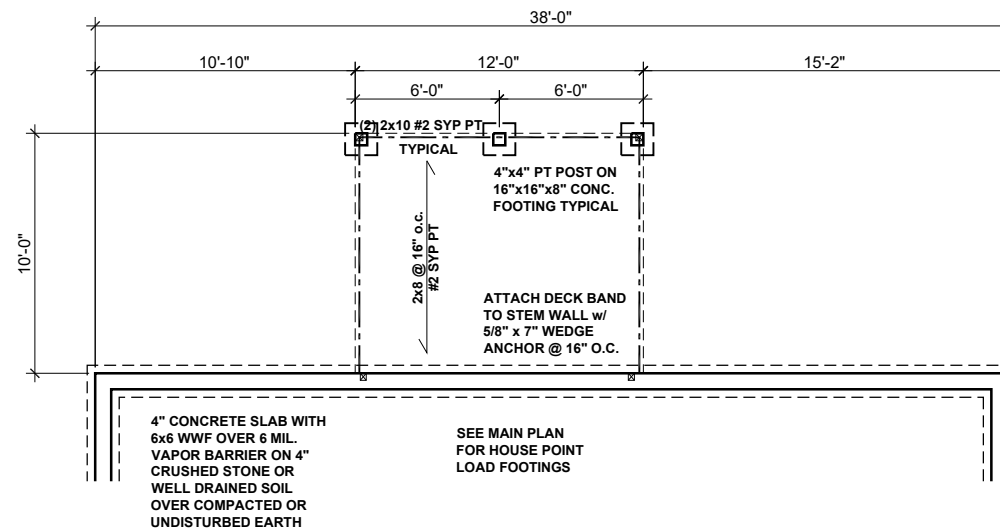
DATE: **10/29/2021** DRAWN BY: **ABS**

STEM WALL FOUNDATION PLAN

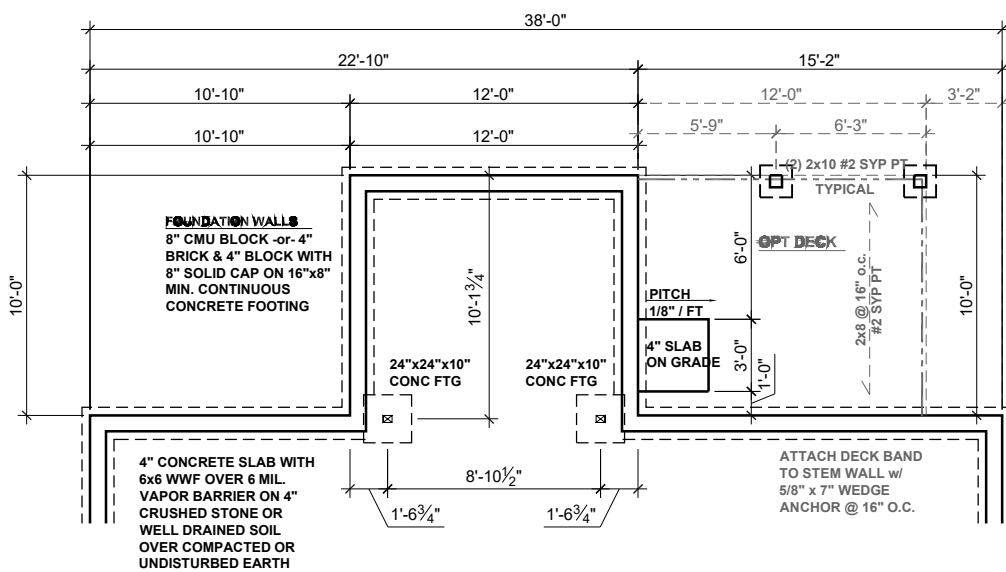
S.20



SCREENED PORCH - MAT RALEIGH



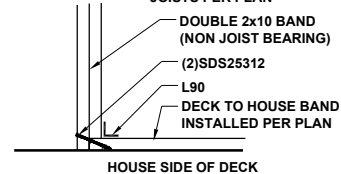
**COVERED VERANDA - BOTH LOCATIONS
SCREENED PORCH - MAT CHARLOTTE**



SUNROOM FOUNDATION

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

* FASTENERS TO BE EXTERIOR FINISH WITH CORROSION PROTECTION



TYPICAL EACH SIDE OF DECK BAND CONNECTION

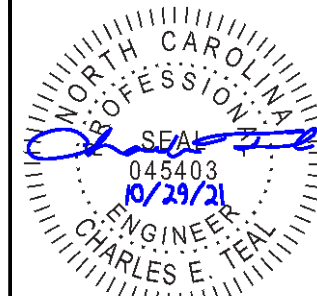
DECK SIDE BAND ATTACHMENT | 1/2" = 1'-0" | 9

BEAM & POINT LOAD LEGEND

—	LOAD BEARING WALL
- - -	ROOF RAFTER/TRUSS SUPPORT
- · - · -	DOUBLE RAFTER / DOUBLE JOIST
— · — · —	STRUCTURAL BEAM / GIRDER
— · —	WINDOW / DOOR HEADER
□	POINT LOAD TRANSFER
■	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

MAT CLT ONLY: ALL FOOTINGS TO HAVE CONTINUOUS (2) #4 REBAR

SEE FULL PLAN FOR ADDITIONAL INFORMATION



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P-0961

CLIENT: **MATTAMY HOMES**

PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED



PROJECT NO.: **21901788**

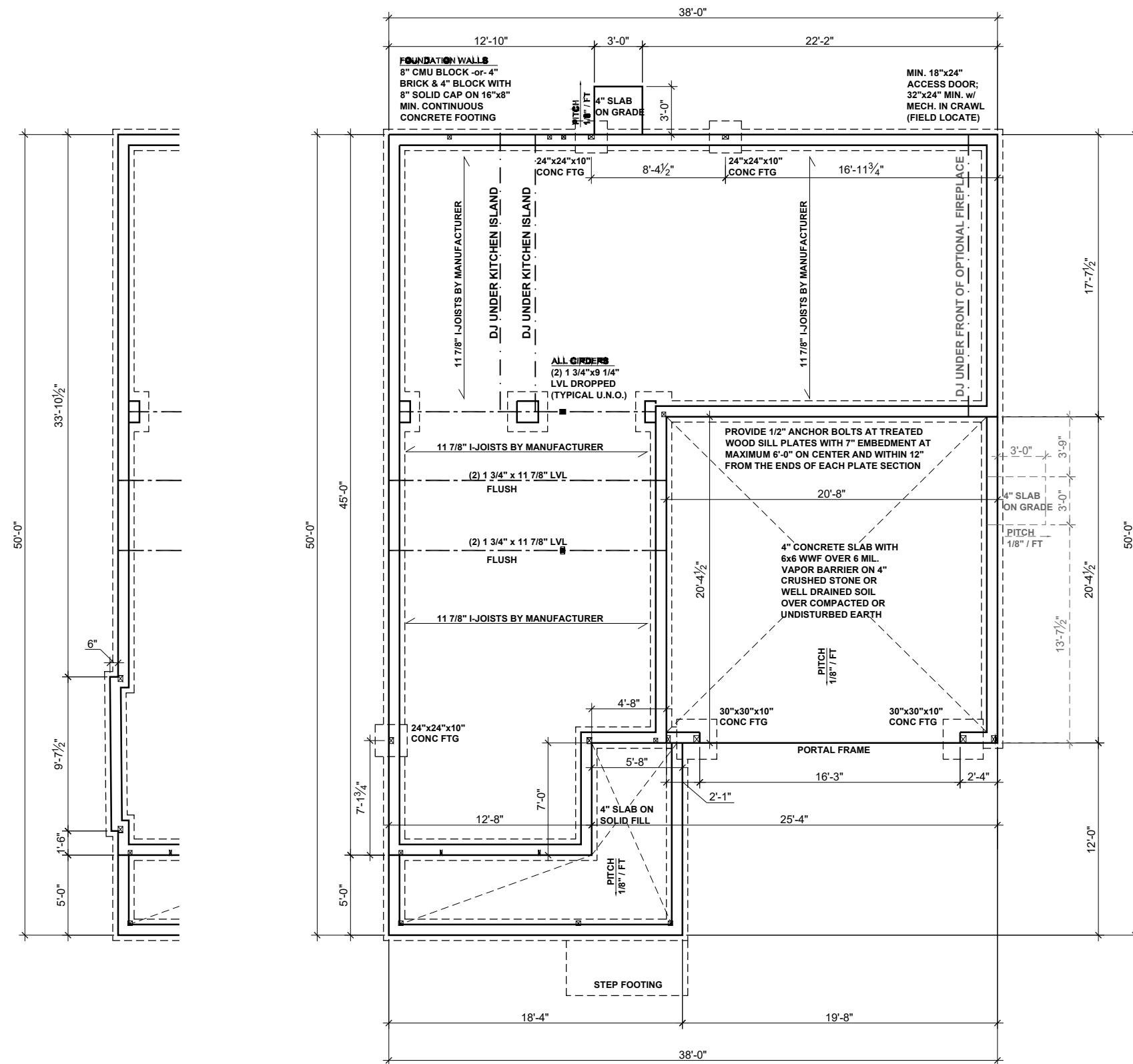
DATE: **10/29/2021** DRAWN BY: **ABS**

STEM WALL FOUNDATION OPTIONS

S.21

STEM WALL FOUNDATION OPTIONS - CRAFTSMAN

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



ENHANCED SIDE ELEVATION

CRAWL SPACE FOUNDATION PLAN - CRAFTSMAN

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

BEAM & POINT LOAD LEGEND:

- LOAD BEARING WALL
- - - ROOF RAFTER/TRUSS SUPPORT
- - - DOUBLE RAFTER / DOUBLE JOIST
- - - STRUCTURAL BEAM / GIRDER
- - - WINDOW / DOOR HEADER
- POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

MAT CLT ONLY: ALL FOOTINGS TO HAVE CONTINUOUS (2) #4 REBAR

CRAWL SPACE VENTILATION

THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL NOT BE LESS THAN 1 SQUARE FOOT FOR EACH 150 SQUARE FEET OF UNDERFLOOR SPACE AREA, AND ONE SUCH OPENING SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE BUILDING.

EXCEPTION: THE TOTAL AREA OF VENTILATION MAY BE REDUCED TO 1/1500 OF THE UNDERFLOOR AREA WHERE THE GROUND SURFACE IS TREATED WITH AN APPROVED VAPOR RETARDER MATERIAL AND THE REQUIRED OPENINGS ARE PLACED SO AS TO PROVIDE CROSS-VENTILATION.

1112 SQUARE FEET OF TOTAL CRAWL SPACE / 150 =

7.14 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

FLOOR FRAMING TO BE 11 7/8" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

**REFER TO I-JOIST EQUIVALENCE CHART ON I-JOIST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES

FOUNDATION STRUCTURAL NOTES:

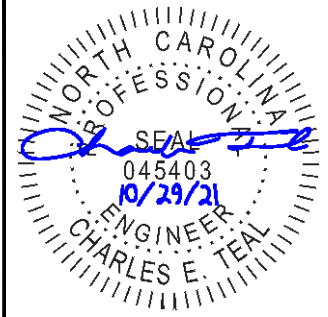
1. CONCRETE BLOCK PIER SIZE SHALL BE:

SIZE	HOLLOW MASONRY	SOLID MASONRY
8x16	UP TO 32" HIGH	UP TO 5'-0" HIGH
12x16	UP TO 48" HIGH	UP TO 9'-0" HIGH
16x16	UP TO 64" HIGH	UP TO 12'-0" HIGH
24x24	UP TO 96" HIGH	

WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.

8"x16" PIERS AT FOUNDATION WALL SUPPORTING DROPPED GIRDER TO HAVE A 30"x10"x8" FOOTING PROJECTION FROM THE MAIN WALL FOOTING.

EXTRA JOISTS UNDER ALL NON LOAD BEARING WALLS THAT RUN AT LEAST 30% OF THE JOIST SPAN.



P-0961



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CLIENT: **MATTAMY HOMES**
 PROJECT: **SHENANDOAH - RH**
 LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

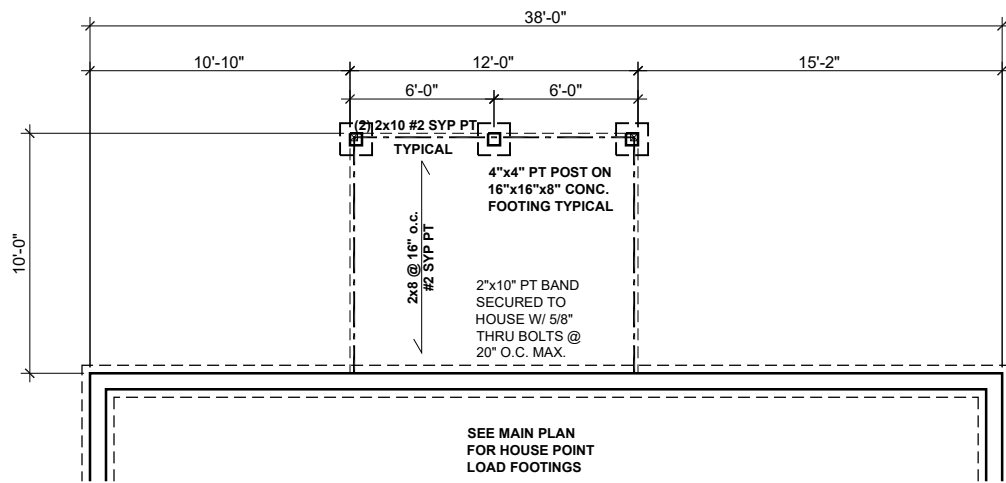


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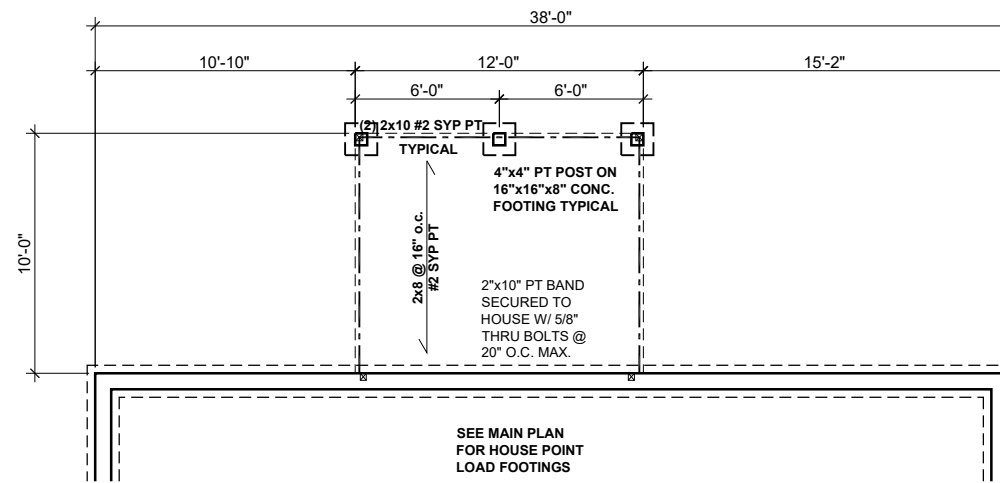
DATE: **10/29/2021** DRAWN BY: **ABS**

CRAWL SPACE FOUNDATION PLAN

S.30



SCREENED PORCH - MAT RALEIGH



**COVERED VERANDA - BOTH LOCATIONS
SCREENED PORCH - MAT CHARLOTTE**

BEAM & POINT LOAD LEGEND

- LOAD BEARING WALL
- ROOF RAFTER/TRUSS SUPPORT
- - - DOUBLE RAFTER / DOUBLE JOIST
- STRUCTURAL BEAM / GIRDER
- WINDOW / DOOR HEADER
- POINT LOAD TRANSFER
- POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

MAT CLT ONLY: ALL FOOTINGS TO HAVE CONTINUOUS (2) #4 REBAR

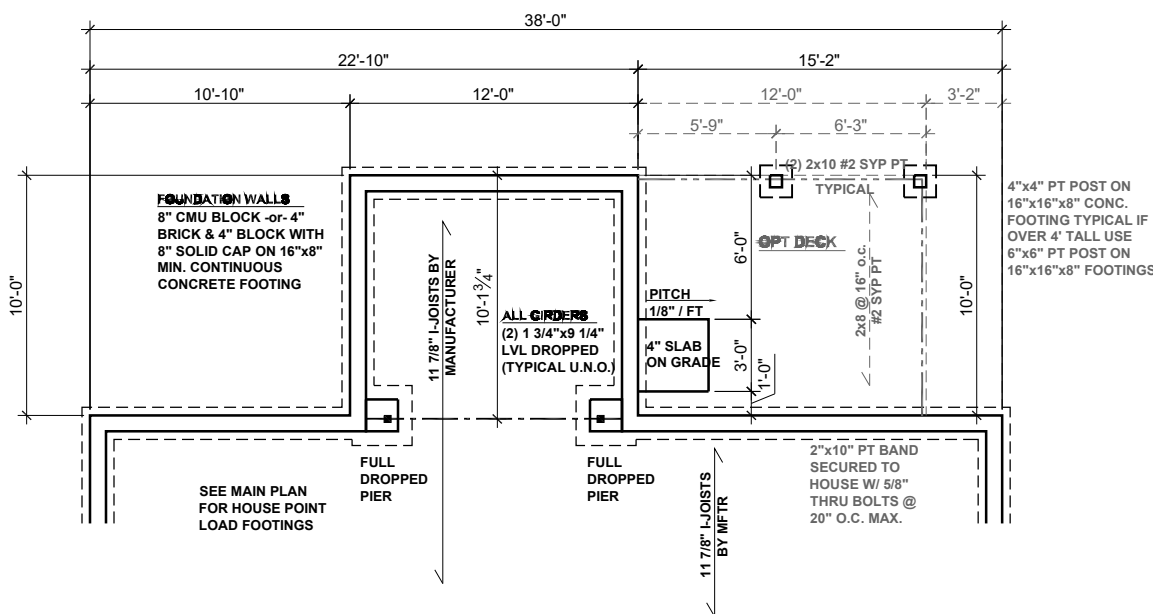
SEE FULL PLAN FOR ADDITIONAL INFORMATION

CRAWL SPACE VENTILATION: SUNROOM

THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL NOT BE LESS THAN 1 SQUARE FOOT FOR EACH 150 SQUARE FEET OF UNDERFLOOR SPACE AREA, AND ONE SUCH OPENING SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE BUILDING.

EXCEPTION: THE TOTAL AREA OF VENTILATION MAY BE REDUCED TO 1/1500 OF THE UNDERFLOOR AREA WHERE THE GROUND SURFACE IS TREATED WITH AN APPROVED VAPOR RETARDER MATERIAL AND THE REQUIRED OPENINGS ARE PLACED SO AS TO PROVIDE CROSS-VENTILATION.

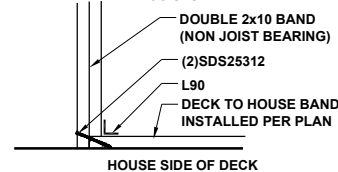
120	SQUARE FEET OF TOTAL CRAWL SPACE / 150 =
.8	SQUARE FEET OF NET-FREE VENTILATION REQUIRED



SUNROOM FOUNDATION

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

* FASTENERS TO BE EXTERIOR FINISH WITH CORROSION PROTECTION

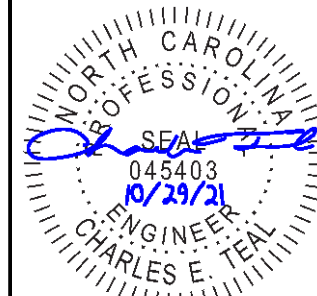


TYPICAL EACH SIDE OF DECK BAND CONNECTION

DECK SIDE BAND ATTACHMENT | 1/2" = 1'-0" | 9

CRAWL SPACE FOUNDATION OPTIONS - CRAFTSMAN

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

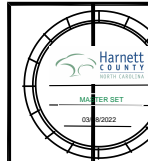


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CLIENT: **MATTAMY HOMES**

PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

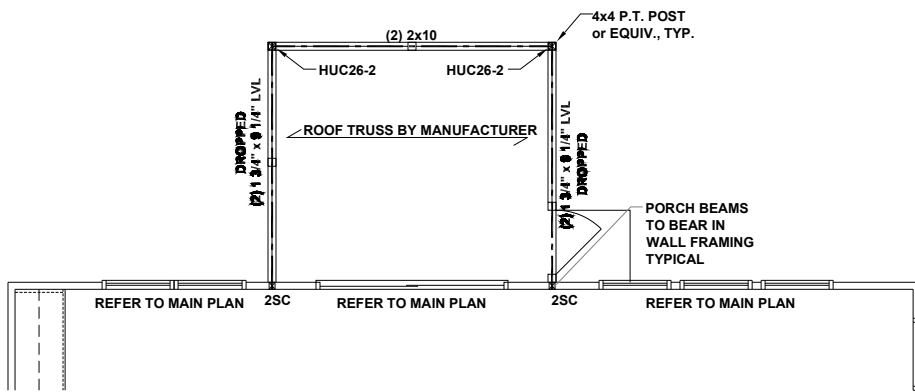


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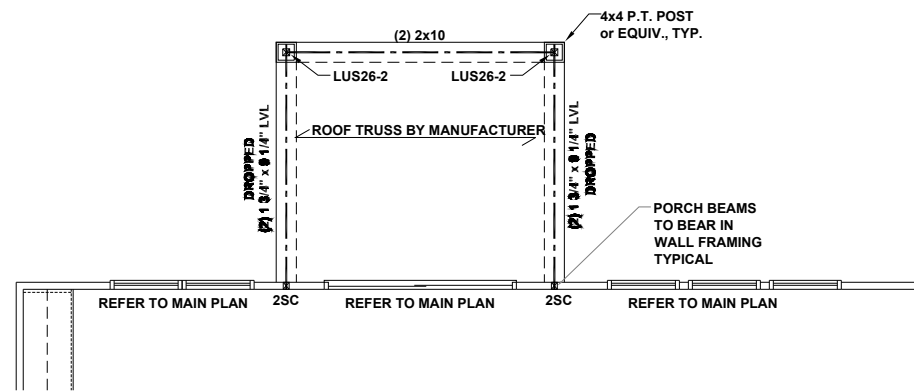
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CRAWL SPACE FOUNDATION OPTIONS

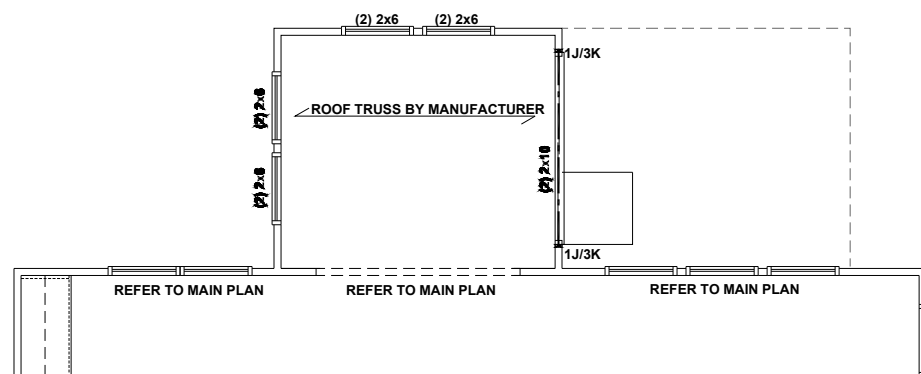
S.31



SCREENED PORCH - MAT RALEIGH



**COVERED PORCH - BOTH LOCATIONS
SCREENED PORCH - MAT CHARLOTTE**



SUNROOM

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

FIRST FLOOR CEILING FRAMING OPTIONS - CRAFTSMAN

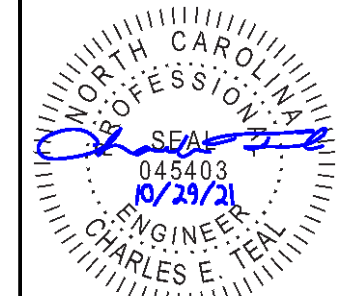
SCALE: 1/8"=1'-0"

BEAM & POST LOAD LEGEND

	LOAD BEARING WALL
	ROOF RAFTER/TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

- STRUCTURAL FRAMING NOTES - SEE GENERAL NOTES SUBJECT FOR ADDITIONAL REQUIREMENTS**
- ALL FRAMING TO BE #2 SPF MINIMUM.
 - ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
 - EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
 - ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
 - PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
 - ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
 - ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.
 - ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
 - FRONT PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24 BRACKETS. TRIM OUT PER BUILDER.
 - PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN) TO PORCH HEADER / BAND.
 - WHEN A 4-PLY LVL IS USED, ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURER'S SPECIFICATIONS).
 - FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

SEE FULL PLAN FOR ADDITIONAL INFORMATION



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MATTAMY HOMES

PROJECT: SHENANDOAH - RH

LOCATION: NORTH CAROLINA

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

mattamyHOMES

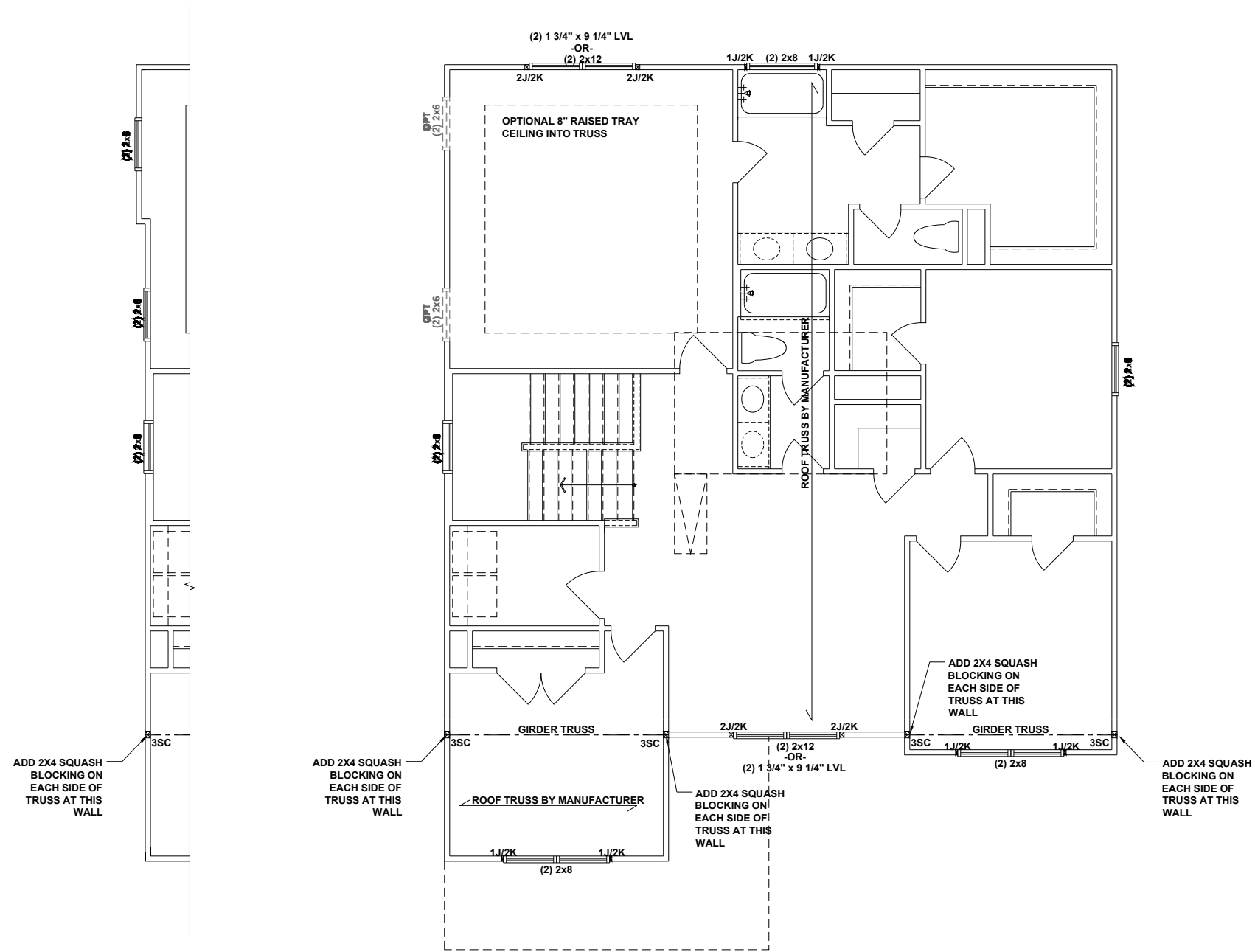
PROJECT NO.: **21901788**

DATE: **10/29/2021** DRAWN BY: **ABS**

**FIRST FLOOR JOIST
CEILING FRAMING OPTIONS**

S1.1

**ENHANCED SIDE
ELEVATION**



**SECOND FLOOR CEILING FRAMING PLAN -
CRAFTSMAN**

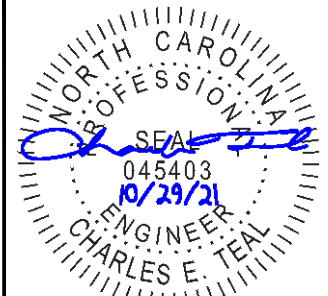
SCALE: 1/8"=1'-0"

BEAM & POINT LOAD LEGEND

	LOAD BEARING WALL
	ROOF RAFTER/TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

- STRUCTURAL FRAMING NOTES - SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS**
- ALL FRAMING TO BE #2 SPF MINIMUM.
 - ALL BEARING HEADERS TO BE (2) 2x6 SUPPORTED w/ MIN (1) JACK AND (1) KING EACH END, UNO.
 - EXTERIOR WALL OPENINGS OVER 3' TO HAVE MULTIPLE KING STUDS AS NOTED ON PLAN.
 - ALL NON-BEARING HEADERS TO BE (2) 2x4 (1) J / (1) K, UNO.
 - PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
 - ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
 - ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY. LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.
 - ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
 - FRONT PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT TOP AND BOTTOM USING SIMPSON (OR EQUIV) COLUMN BASE OR SST A24 BRACKETS. TRIM OUT PER BUILDER.
 - PORCH COLUMNS TO BE MIN 4x4 PT ATTACHED AT BOTTOM USING SIMPSON (OR EQUIV) ABA44 AND AT TOP USING CS 16 STRAPPING (12" MIN) TO PORCH HEADER / BAND.
 - WHEN A 4-PLY LVL IS USED, ATTACH WITH (1) 1/2" Ø BOLT 12" OC STAGGERED, TOP AND BOTTOM, 1-1/2" MIN FROM ENDS. ALTERNATE ATTACHMENT EQUIVALENT METHOD MAY BE USED, SUCH AS SDW OR TRUSSLOK SCREWS (SEE MANUFACTURER'S SPECIFICATIONS).
 - FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

ALL FLUSH BEAMS TO BE DIRECTLY SUPPORTED BY (2) 2X STUDS UNLESS OTHERWISE NOTED. STUD COLUMNS TO BE SUPPORTED BY SOLID BLOCKING TO FOUNDATION OR TO BEARING COMPONENT BELOW.



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MATTAMY HOMES
CLIENT:

SHENANDOAH - RH
PROJECT:

NORTH CAROLINA
LOCATION:

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

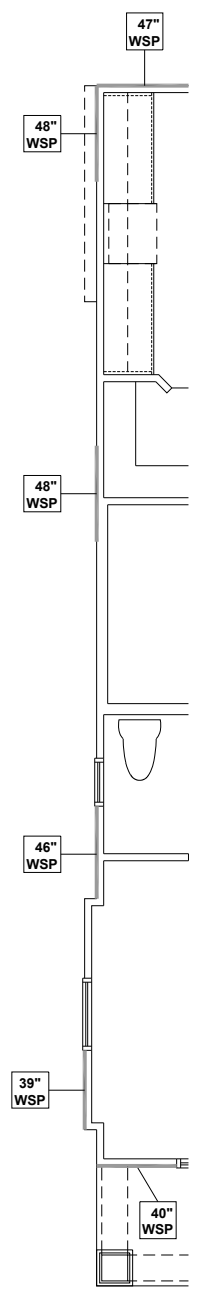


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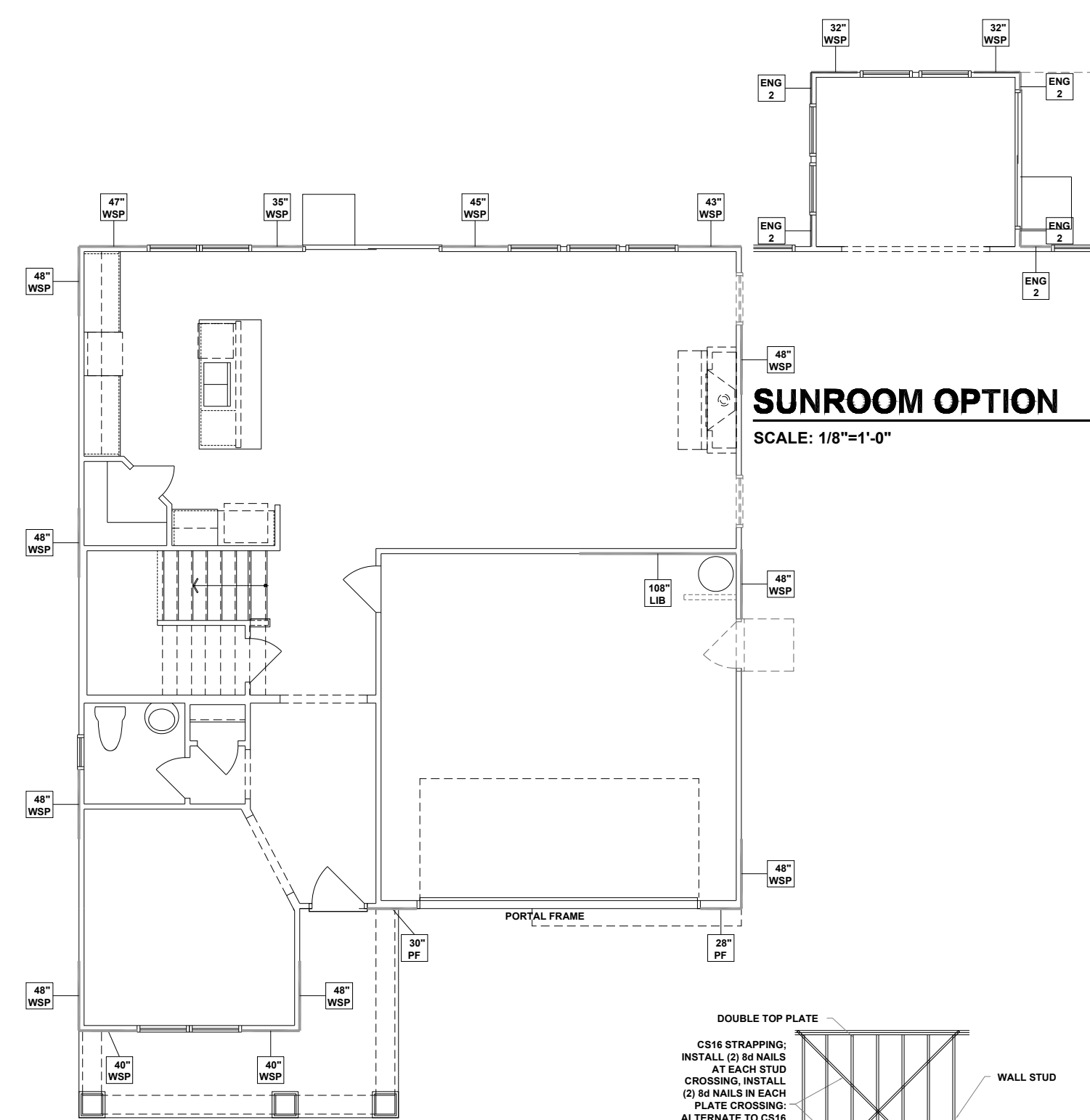
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SECOND FLOOR
CEILING FRAMING PLAN

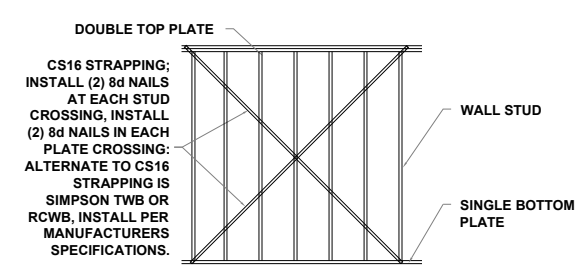
S2.0



UPGRADED SIDE ELEVATION



FIRST FLOOR WALL BRACING PLAN - CRAFTSMAN
SCALE: 1/8"=1'-0"



CROSS BRACED LIB CS16 STRAPPING METHOD
SCALE: 1/4" = 1'-0" STRAP ANGLES TO BE NO MORE THAN 60° AND NO LESS THAN 40°

WALL BRACING REQUIREMENTS

- MINIMUM PANEL WIDTH IS 24"
- FIGURES BASED ON THE CONTINUOUS SHEATHING METHOD USING THE RECTANGLE CIRCUMSCRIBED AROUND THE FLOOR PLAN OR PORTION OF THE FLOOR PLAN. IF NO RECTANGLE IS NOTED, THE STRUCTURE HAS BEEN FIGURED ALL WITHIN ONE RECTANGLE.
- PANELS MAY SHIFT UP TO 36" EITHER DIRECTION FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY).
- FOR ADDITIONAL WALL BRACING INFORMATION, REFER TO WALL BRACING DETAIL SHEET(S).
- SCHEMATIC BELOW INDICATES HOW SIDES OF RECTANGLE ARE TO BE INTERPRETED IN BRACING CHART WHEN APPLIED TO STRUCTURE:

- ◆ CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MINIMUM
- ▶ SIMPSON MSTA15 HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 10d NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL. (CS16 STRAPPING MAY BE SUBSTITUTED w/ SIMILAR LENGTH AND NAILING PATTERN.) USE HIT4 FOR ATTACHMENT TO CONCRETE.

SCALED LENGTH OF WALL PANEL AT LOCATION — 24" WSP — NUMERICAL LENGTH OF PANEL — PANEL TYPE

ENGINEERED WALL SCHEDULE

ENG1: CONTINUOUSLY SHEATH WITH 7/16" OSB ATTACHED WITH 8d NAILS @ 6" OC EDGE AND 12" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG2: CONTINUOUSLY SHEATH WITH 7/16" OSB WITH 10d NAILS @ 3" OC EDGE AND 3" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG3: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED ~~BOTH SIDES~~ WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

ENG4: CONTINUOUSLY SHEATH 7/16" OSB ATTACHED WITH 8d NAILS @ 4" OC EDGE AND 8" OC FIELD. FULLY BLOCKED AT ALL PANEL EDGES.

WALL BRACING NOTE:

WALLS WITH REQUIRED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCRC. THESE WALLS HAVE BEEN ENGINEERED BASED ON DESIGN GUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

WALL BRACING: RECTANGLE 1

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	12.0 FT.	16.16 FT.
RIGHT	11.0 FT.	20.0 FT.
REAR	12.0 FT.	14.16 FT.
LEFT	11.0 FT.	20.0 FT.



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MATTAMY HOMES

CLIENT: **MATTAMY HOMES**

PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

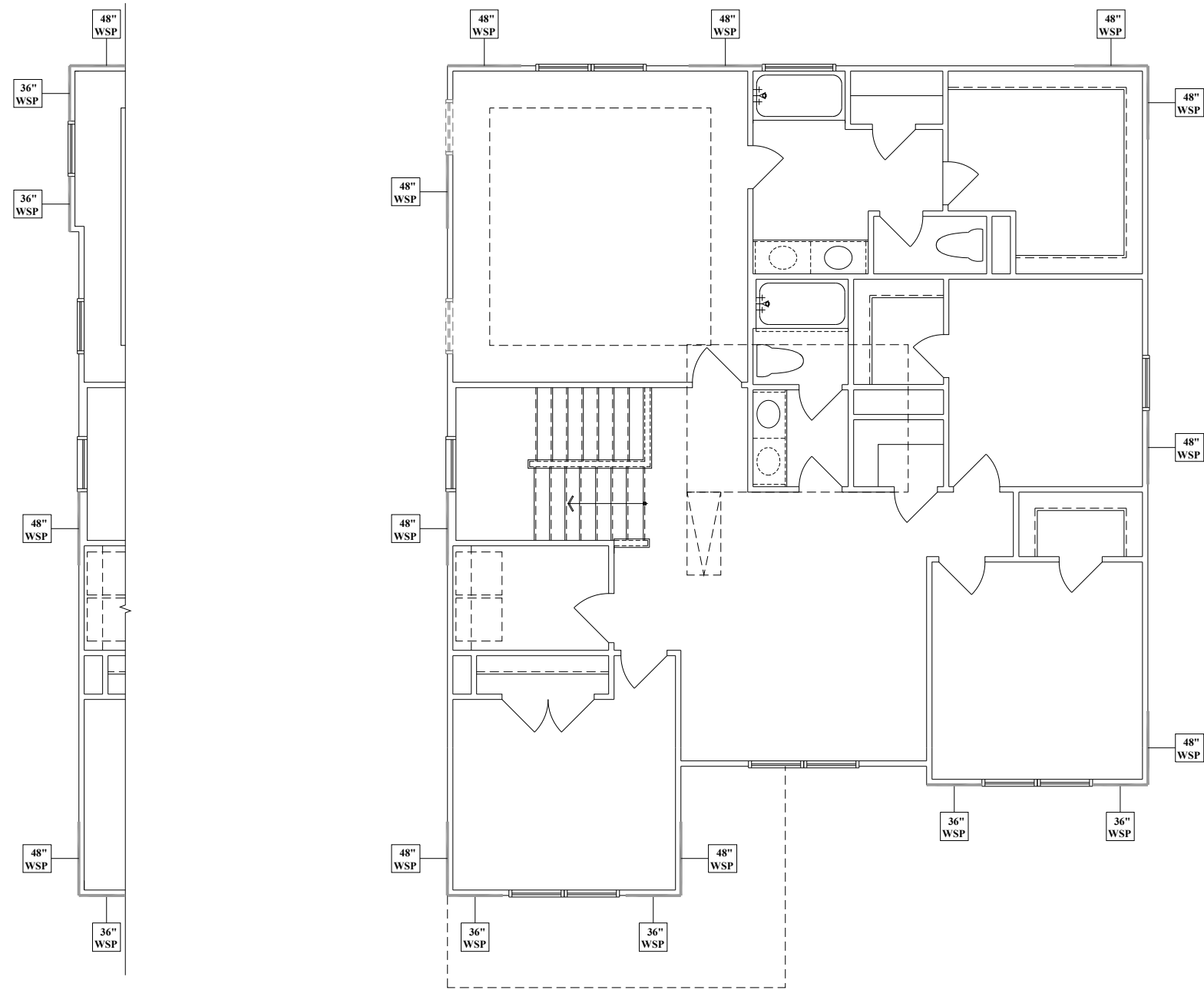
mattamyHOMES

PROJECT NO.: **21901788**

DATE: **10/29/2021** DRAWN BY: **ABS**

FIRST FLOOR WALL BRACING PLAN

S4.0



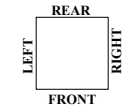
**UPGRADED SIDE
ELEVATION**

**SECOND FLOOR WALL BRACING PLAN -
CRAFTSMAN**

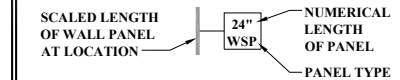
SCALE: 1/8"=1'-0"

WALL BRACING REQUIREMENTS

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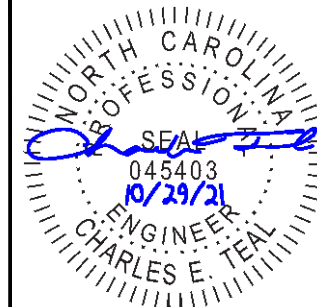


WALL BRACING NOTE:

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WALL BRACING: RECTANGLE 1

SIDE	REQUIRED LENGTH	PROVIDED LENGTH
FRONT	7.0 FT.	12.0 FT.
RIGHT	6.0 FT.	16.0 FT.
REAR	4.5 FT.	12.0 FT.
LEFT	7.0 FT.	12.0 FT.

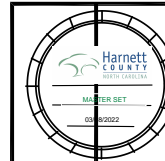


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CLIENT: **MATTAMY HOMES**

PROJECT: **SHENANDOAH - RH**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED



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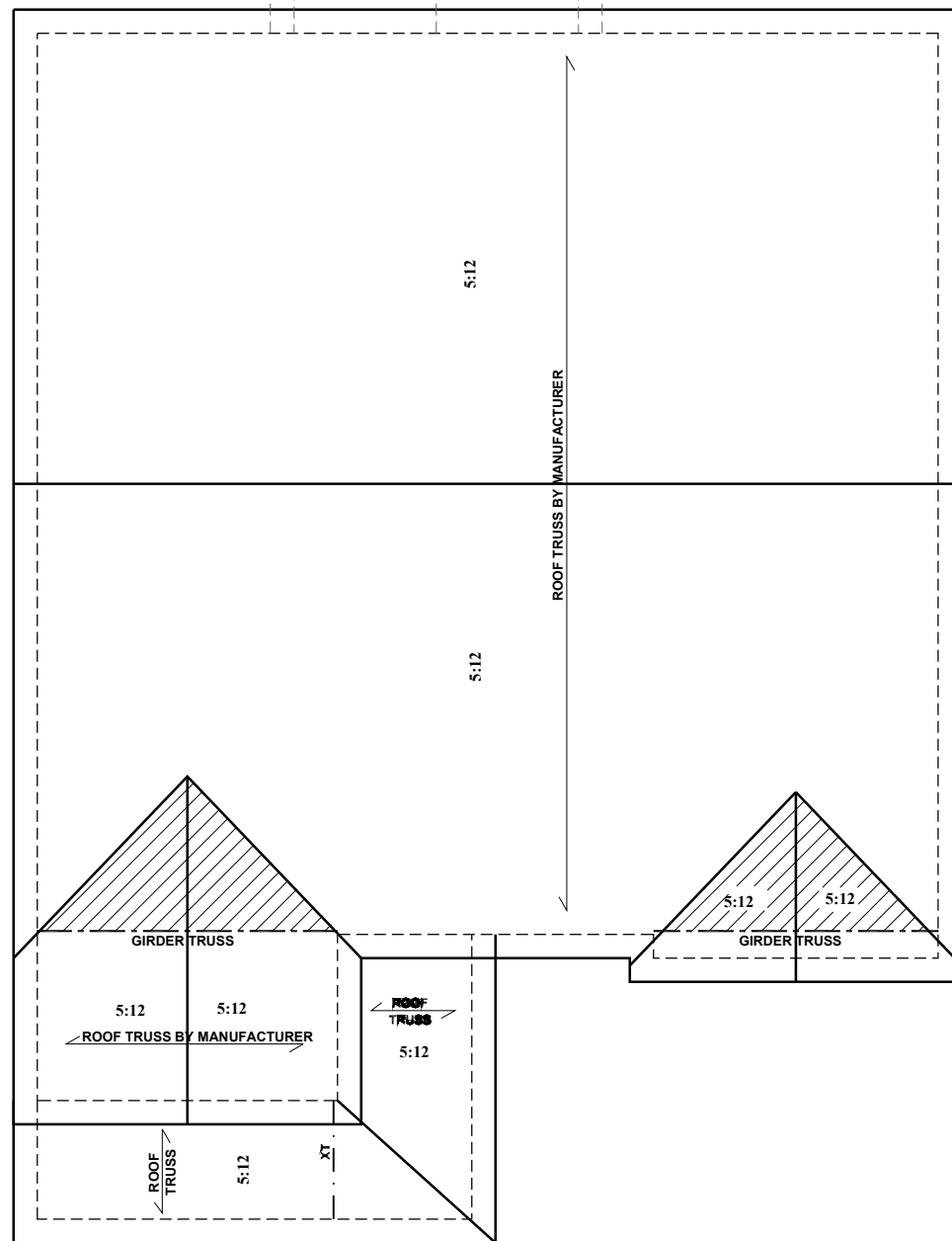
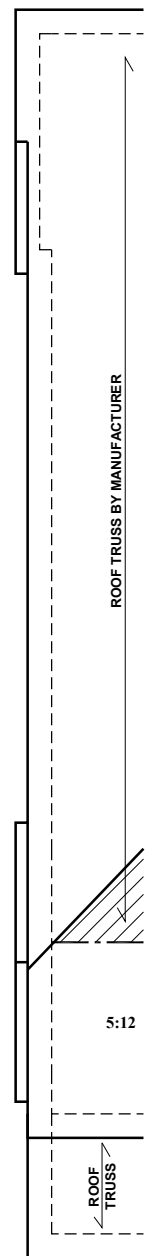
DATE: **10/29/2021**

DRAWN BY: **ABS**

**UPGRADED SIDE
ELEVATION**

ROOF FRAMING PLAN - CRAFTSMAN

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



ATTIC VENTILATION - REAR OPTION

THE TOTAL NET-FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE ATTIC SPACE TO BE VENTILATED. THE TOTAL VENTILATION MAY BE REDUCED TO 1/300 PROVIDED AT LEAST 50% BUT NOT MORE THAN 80% OF THE REQUIRED VENTILATION BE LOCATED IN THE UPPER PORTION OF THE AREA TO BE VENTILATED, OR AT LEAST 3' ABOVE THE SOFFIT VENTILATION INTAKE.

120 SQUARE FEET OF TOTAL ATTIC / 150 =
0.80 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

BEAM & POINT LOAD LEGEND

	LOAD BEARING WALL
	ROOF RAFTER/TRUSS SUPPORT
	DOUBLE RAFTER / DOUBLE JOIST
	STRUCTURAL BEAM / GIRDER
	WINDOW / DOOR HEADER
	POINT LOAD TRANSFER
	POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

- TRUSSED ROOF - STRUCTURAL NOTES**
- PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
 - DENOTES OVER-FRAMED AREA
 - MINIMUM 7/16" OSB ROOF SHEATHING
 - TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN. TRUSS PROFILES SHALL BE SEALED BY THE TRUSS MANUFACTURER. TRUSS PLANS TO BE COORDINATED WITH THE SEALED STRUCTURAL DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
 - PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
 - UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

ATTIC VENTILATION

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1,545 SQUARE FEET OF TOTAL ATTIC / 150 =
10.3 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

TRUSS UPLIFT CONNECTORS: EXPOSURE B, 116 MPH, ANY PITCH, 24" O.C. MAX ROOF TRUSS SPACING

TRUSSES SHALL BE ATTACHED TO SUPPORT WALL FOR UPLIFT RESISTANCE. CONTINUOUS OSB WALL SHEATHING BELOW PROVIDES CONTINUOUS UPLIFT RESISTANCE TO FOUNDATION. ALL TRUSSES SUPPORTED BY INTERMEDIATE SUPPORT WALLS, KNEEWALLS, OR BEAMS SHALL BE ATTACHED TO SUPPORTING MEMBER PER SCHEDULE:

ROOF SPAN IS MEASURED HORIZONTALLY BETWEEN FURTHEST SUPPORT POINTS.

ROOF PLAN	CONNECTOR
UP TO 28'	NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION
OVER 28'	(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR BEAM
	OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE



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ROOF FRAMING PLAN

S6.0