# **PLANS FOR:**



**GLOBAL OPTIONAL SQUARE FOOTAGES** 







LVL LVR

MATL

MECH

MED

MFR

MEMB

MAX

DS DTL

DWG DWR

ELEV

**EMER** 

Downspout

**Expansion Joint** 

Electric Panel Board

Detail

Drawing

Elevation

Drawer

Each

Laminated Veneer Lumber

Louver

Meter

Masonry

Maximum

Medium

Membrane

Mechanical

Medicine Cabinet

Manufacture(er)(ing)

RO

ROW

RVS

SCHED

SHT GL

SHWR

SPEC

SIM

Rough Opening

Right of Way

Reverse

Schedule

Storm Drain

Sheet Glass

Specification

Shower

Similar

Channel

Plus or Minus

Property Line

PL

# **MATTAMY HOMES - SHENANDOAH RH**

		A	BBREVIAT	ION	LEGEND			PLAN	<b>SET COM</b>	POSITIO	ON		ELEVATI	ION
AB ABV	Anchor Bolt Above	EQ E.W.	Equal Each Wav	MIN MIR	Minimum Mirror	SQ SS	Square Solid Surface	PAGE#	LA`	YOUT				
ABV AC	Above Air Conditioner	E.W. EXIST	Existing	MISC	Miscellaneous	SS	Sanitary Sewer	T4 0 T4 4	TITLE OUEET AN	ID DEVIOLON	1.00			
ACC	Access/ Accessible	EXP	Exposed	MM	Millimeter	SST	Stainless Steel	T1.0-T1.1	TITLE SHEET AN	ID REVISION	LOG			
ACFL ADJ	Access Floor Adiacent	EXT F.A.	Exterior Flat Archway	MO MOV	Masonry Opening Movable	ST STA	Steel Station	GN1.0-GN1.1	GENERAL NOTE	S				
ADJ	Adjustable	FD	Floor Drain	MTD	Mounted	STC	Sound Transmission Class	0.10-0.15	ELEVATIONS					
AFF	Above Finished Floor	FDTN	Foundation	MTFR	Metal Furring	STD	Standard			OD DI ANO		(:R)	$\Delta \vdash 1 >$	SMAN
AGGR ALT	Aggregate Alternate	FF FG	Finish Floor Fixed Glass	MTL MULL	Metal Mullion	STOR STRUCT	Storage	0.20-0.21	BASEMENT FLO	OR PLANS		OIV	71 I <i>\</i>	
ALUM	Aluminum	FIN	Finish	NIC	Not In Contract	SYS	Structural System	1.0-1.4	1ST FLOOR PLA	NS				
ANC	Anchor/Anchorage	FLEX	Flexible	NOM	Nominal	T	Tread	2.0-2.2	2ND FLOOR PLA	MC				
AP	Access Panel	FLR	Floor	NR	Noise Reduction	T.A.	Trimmed Archway							
APPROX ARCH	Approximate Architect(ural)	F.O. FOC	Framed Opening Face of Concrete	NRC NTS	Noise Reduction Coefficient Not to Scale	TB TEL	Towel Bar Telephone	3.0-3.1	3RD FLOOR PLA	NS				
AUTO	Automatic	FOF	Face of Concrete	OA	Overall	TEMP	Temporary/ Temperature	4.0-4.1	SECTIONS / DET	AILS				
BD	Board	FOM FOS	Face of Masonry	OC	On Center	T&G	Tongue and Groove	5.0-8.0	ELECTRICAL / H				CODE	•
BLDG BLK	Building Block(ing)	FDS FPL	Face of Studs Fireplace	OD OH	Outside Diameter Overhead (Overhang)	THK THRES	Thick(ness) Threshold			VAC PLANS			CODE	• •
BOC	Bottom of Curb	FR	Frame	OPNG	Opening	TJ	Triple Joist	XX-XX	FLOORING					
BRG	Bearing	FTG	Footing	PED	Pedestal	TMPD	Tempered							
BRG PL	Bearing Plate	FUR	Furring/ Furred	PL	Plate	TOC	Top of Curb/ Concrete						2018	
SSMT	Basement	GA	Gauge	PL	Property Line	TOL	Tolerance					NORTH CAR	OI INA STATE	<b>BUILDING CODE:</b>
UR	Built up Roof	GALV GD	Galvanized Grade/ Grading	PLAM PLAS	Plastic Laminate Plastic	TOS	Top of Slab							
C.A. CAB	Curved Archway Cabinet	GL	Glass/ Glazing	PLAS	Plaster	TOST TOW	Top of Steel Top of Wall						RESIDENTIAL (	CODE
B	Catch Basin	G.T.	Girder Truss	PL GL	Plate Glass	TPD	Top of Wall Toilet Paper Dispenser							
ER	Ceramic	GYP	Gypsum	PLYWD	Plywood	TV	Television							
CIR	Circle	HB	Hose Bib	PNL	Panel	TYP	Typical							
J	Control Joint	HC	Hollow Core	P.T.	Pressure Treated Lumber	UFIN	Unfinish(ed)							
LG	Ceiling	HDBD	Hard Board	PT	Paint(ed)	UNO	Unless Noted Otherwise							
CLG HT	Ceiling Height	HDR	Header	PT PT	Point	UR	Urinal		SH	ENANDO/	AH SQUA	RE FOOT	AGES	
CLO CM	Closet Centimeter	HM HORIZ	Hollow Metal Horizontal	PTN	Porcelain Tile Partition	VB VCT	Vinyl Base Vinyl Composition Tile			T				
CMU	Concrete Masonry Unit	HP	High Point	PR	Pair	VER	Verify	AREA		COLONIAL	CRAFTSMAN	FRENCH	TUDOR	FARM HOUSE
COL	Column	HT	Height	PRKG	Parking	VERT	Vertical			COLONIAL	CIVAL I SIVIAIN	COUNTRY	IODOK	I AINWI I IOOSE
CONC	Concrete	HTG	Heating	PSI	Pounds per Square Inch	VEST	Vestibule							
CONST	Construction	HVAC	Heating/ Ventilation/	PVC	Polyvinyl Chloride	VF	Vinyl Flooring	1st FLOOF	₹	1112 SQ. FT.	1112 SQ. FT.	1112 SQ. FT.	1112 SQ. FT.	1112 SQ. FT.
ONT	Continuous/ Continue	ID	Air Conditioning	PVMT	Pavement	VJ	V(ee) Joint							
ORR	Corridor	ID INCL	Inside Diameter Include(d)	QT R	Quarry Tile Radius	VNR VWC	Veneer	2nd FLOO	R	1456 SQ. FT	1456 SQ. FT.	1456 SQ. FT.	1456 SQ. FT.	1456 SQ. FT.
PB PT	Carpet Base Carpet	INCL	Include(d) Insulate/ Insulation	R	Radius	WB	Vinyl Wall Covering Wood Base		• •	. 100 0 0.1 11.	00 0 0.1 1.		. 100 0 0 0 1 1 1	. 100 0 0. 1 1.
CSMT	Carpet	INT	Interior	RA	Return Air	WD	Wood	TOTAL LIV	/INC	2567 SO ET	2567 SQ. FT.	2567 SO ET	2567 SQ. FT.	2567 SQ. FT.
T	Ceramic Tile	INV	Invert	RB	Rubber Base	WDW	Window	I I I I I I I I I I I I I I I I I I I	ING	2001 3Q.F1.	2001 3Q.F1.	2007 34. 71.	2001 3Q.1-1.	2301 3Q. F1.
TR	Center	J-Box	Junction Box	RCP	Reinforced Concrete Pipe	WGL	Wired Glass							
U FT	Cubic Foot	JST	Joist	RD	Roof Drain	WH	Water Heater	OPT UPG	RADE SIDE					
J YD	Cubic Yard	JT	Joint	REF	Reference	WM	Wire Mesh	ELEVATION		N/A	+9 SQ. FT.	+9 SQ. FT.	N/A	N/A
VT	Ceramic Wall Tile	Kit	Kitchen	REFR	Refrigerator	W/O	Without	LLLVATIC	/IN					
BL .	Double	L LAM	Length Laminate	REINF REQD	Reinforced Required	WPT WSC	Working Point Wainscot				-			
l \	Double Hung Diameter	LAIVI	Lag Bolt	RESIL	Resilient	WT	Wall Tile	GARAGE -	- 2 CAR	421 SQ. FT.	421 SQ. FT.	421 SQ. FT.	421 SQ. FT.	421 SQ. FT.
A AG	Diameter Diagonal	LH	Left Hand	RET	Return	WT	Weight	J 37 11 10 E	, " \				.=. =	
IM	Diagonal	LT	Light	REV	Revision	WWF	Welded Wire Fabric	ERONT DO	ORCH COVERED	49 SQ. FT.	131 SQ. FT.	49 SQ. FT.	49 SQ. FT.	42 SQ. FT.
ISP.	Garbage Disposal	LTL	Lintel	RFG	Roofing				JINOI I OOVLINED	70 UQ. 1 1.	10100.11.	70 UQ. 1 1.	+3 UQ. I I.	72 00.11.
I	Double Joist	LT WT	Light Weight	RM	Room	Œ.	Center Line			BAL OPTIC	MM COL	IADE EOC	TACES	
1		1 \/I	Laminated Veneer Lumber	· DO	Pough Opening	_	Channal							

OPT. COVERED VERANDA

OPT. SCREENED PORCH

OPT. SUNROOM



**MATTAMY HOMES** RALEIGH DIVISION PH: 919-752-4898



SHENANDOAH

21901788

11/02/2021

120 SQ. FT.

120 SQ. FT.

120 SQ. FT.

CAR

TITLE SHEET

	PLAN REVISION LOG				
DATE	REVISION DESCRIPTION	SHEETS	DFTR		
-/-/-	PLAN CD RELEASE DATE	ALL	-		



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CONSULTING SURVEYING - ENERGY



SHENANDOAH - RH NORTH CAROLINA

21901788

DATE: 11/02/2021

MATTAMY HOMES

DRAWN BY:

CAR

REVISION LOG

## (41) ROOF CONSTRUCTION

SPPG#TIJOH MFT#PWFS#&48#GFMU#OBOFS#+EPVCMF#MBZFS VOE FS MB ZN FOU#GPS #S PPGT #X JJI #B #Q JJD I #PG#MFTT #JIBO#7 =45 // : 249 %#P TC #TIFB UI JOH #X JUI #%I %#D MJO T#P O#B O O S P W FE #S P P G US VTTFT##+TFF#S PPG#US VTT#E FTJH OT,#OS FGJD#BMVN 1 FBW FTUS PVH I #GBTD JB #) #W FOUFE #TPGGJU#V101P1 +m 'a'm #UP #TIFFU#H O414#GPS #O1D 1#FOFS HZ #S FR VJS FN FOUT L

### ROOF VENTILATION

POUDPO#4#N JO 1#W FOULMBULPO#BS FB #PG#463 3 #PG#UPUBM#BUUD #BS FB X JULY #N JD 1#8 3 (#) #N B Y 1#: 3 (#P G#S FR VJS FE #D S P TT #W FOUJMB UJP O OSPW.RFR #W FOILMR HIPST#MPD RHFR #10 #HTF#WOOFS #OPSHIPO#PG UIF#TOBDF#BSF##N JD2#69%#BCPWF#FBWF#PS#DPSOJDF#WFOUT#XJUI UIF#CBMBODF#PG#UIF#SFRVJSFE#WFOUJMBUJPO#QSPWJEFE#CZ FBWF#PS#DPSODF#WFOUT

POULPO#5#N JO #W FOUJNBULPO#BSFB#PG#4633#PG#UPUBM#BUUJD#BSFB X JUI#S FE VD UJP O #JD #D S P TT #W FO UJMB UJP O #X JUI #VTF #P G#W B Q P S CBSSJFS #MPDBUFE #CFUXFFO#DTVMBUJPO#) #ESZXBMM1

### FRAME WALL CONSTRUCTION (2"X4") - SIDING

TJE JDH #B T#Q FS #FMFW B UJP O /#B Q Q S P W FE #I P VTF #X S B Q /#: 249 %#P T C FYUFS JPS #TIFBUIJDH #5%s 7 %#TUVE T#A #49 %#P ID 1#U3 #43 \*#N BY #IFJH IU1 S 46 #C B UU #LO T VMB ULP O /#425% #LO U1#E S Z X B MM #GLO JT I 1

+m 'a'm #UP #TIFFU#H O414#GPS #O1D1#FOFSHZ#SFRVJSFNFOUTL

### FRAME WALL CONSTRUCTION (2"X4") - STONE

TZOUI FUJD #TUP OF #TD S B UD I #D P B U#O FS #N B OVGB D UVS FS T#TO FD T1 PWFS#HBMW1#NUM1#MBUT#)#BOOSPWFE#XFBUTFS#SFTJTUBOU CBSSJFS #: 249 %#PTC #FYUFSJPS #TIFBUIJDH #5%s 7 %#TUVE T#A #49 %#P ID 1 UP #43 \*N B Y #I FJH I U #425 % #40 U #E S Z X B MM #GJO JT I 1

+m `a`m #UP #TIFFU#H O 424#GPS #O 1D 1#FOFS H Z #S FR VJS FN FOUT 1,

### DRAINAGE

TJUF#TIBMM#HSBEF#UP#QSPWJEF#ESBJOBHF#VOEFS#BMM#QPSUJPOT PG#TUS VDUVSF#) #UP#ESBØ#TVSGBDF#XBUFS#BXBZ#GSPN#UIF TUS VD UVS F1#H S B E F#T I B MM#GB MM#9 %#X JD I JD #GJS TU#43 \*#B MM Q MVN C JOH #X P S L #T I B MM#D P N Q MZ #X JUI #UI F #D VS S FOU #S FT JE FOU JB M ) #O MVN C JOH #D P E FT1

### GROUND FLOOR SLAB ON GRADE

DPODSFUF#TMBC#QFS#TUSVDUVSBM#ESBXJOHT#PWFS#DMFBO UFS N JUF#US FBUFE #D PN Q BD U#GJMMJ#D I FN JD BM#Q S FOUS FBUN FOU#PG TP JM \ T \ HS FR V \ JS FE \ \ HC FGP S F \ \ HD B T U \ JD H \ \ HP G \ \ T T M B C \ \ \ HT B X \ \ \ HD V U \ \ HF W FS Z ±53 3 #T TG1

### EXPOSED FLOOR TO EXTERIOR

QSPWJEF#NJDJ#S4<#CBUU#JDTVMBUJPO#JDJ#GMPPST#CFUXFFO DPOE JUPOFE #) #VODPOE JUPOFE #TQBDFT #BQQSPWFE #IPVTF XSBO #GDJTIFE #TPGGJJ1

:1) BUUD #DTVMBUPO#m \a\m #UP#TIFFU#HO414#GPS#OD#SFRVJSFNFOU1 425 % #DU U#ESZXBMM#DFJMJDH#GJDJTI#PS#BQQSPW FE#FR VBM

### INTERIOR STAIRS: SITE BUILT

- TUS JOH FS T#TIB MM#C F#5%s 45%#TZQ 1&5#+QS FTTVS F#US FB UFE #B U CBTF, #FRVBMMZ #TQBDFE #) #BODIPSFE #UP #5%s; %#IFBEFS#) Q 1U1#5%s 7 %#Q MB UF
- 51 US FB E T#TIB MM#C F#5%s 45%#TZ O 16.5#S 4D O FE #E P X O #B T#S FR VJS FE 1 +H MVFE #) #OB JMFE ,
- 61 S JTFS T#TIB MM#C F#4%s; %#TZQ 165#S JQ Q FE #E PXO#B T#S FR VJS FE 1 +H MVFE #) #OB JMFE .

71	N D #US FB E	?#< %
	NBYHOPTJDH	?#40427 %
	N D #US FBE #) #OP T DH	?#< 0627 %
	NBY ##S JTFS	?#; 0427%
	N D #I FBESPPN	?#9 *0; %
	NBY1#WFSUJDBM#SJTF#GPS#GMJRIU#PG#TUBJST	?#45*03 %
	N D #TUB S #X E UI	?#6*03 %
	N JD ##D MFB S #TUB JS #X JE UI	?#6 418 %

### FOR WINDER STAIRS

N JD #X JDE FS #US FBE #N FB TVS FE

45%#GSPN#ADTJEF#FEHF ?#< % N JD JHX JDE FS HUS FBE HN FB TVS FE HB UHB OZ HQ P JD U ?#7% NBY 1#X JDEFS #EFOUI

### HAND RAIL

N JO #TUB JS #2#S B N O #I B O E S B JM#I F JH I U ?#67% NBY #TUBJS #2#SBNQ #IBOESBJM#IFJHIU ?#6;% N.O. THOURS PS #H VBSE #T FOR TU ?#69% N.O.1#FYUFS.PS#HVBSE#TFJHIU 2#69%

GADATIFE #SBANADH #BOE #HVBSE #SBAN#QADL FUT#TIBMM#CF#TQBDFE 7 % #P 1D 1#N BY JN VN #C FUX FFO #Q JD L FUT 1#H VBS E T #BOE #S BJMJDHT TIBMM#OPU#IBWF#POFO.DHT#GSPN#UIF#XBML.DH#TVSGBDF#UP#UIF S FR VJS FE #H VB S E #I FJR I U#X I JD I #B MMP X #UI F #D B TTB H F #P G #B TO IFS F#7 %#AD #E JB N FUFS 1

# (43) WALLS BACKING ONTO ATTIC

XBMMT#XIJDI#TFQBSBUF#DPOEJUJPOFE#MJNJOH#TQBDF#GSPN VODPOEJUPOFE #BUUJD #TOBDF#TIBMM#CF#;DTVMBUFE#BOE#TFBMFE X JITT #BO #B JS #C BSS JES #TZ TITEN #TP #M.N. JIT# DG MITS BTJ PO 1#F 1#W BV/MITE DFJMJDH #TLZMJHIU#SBJTFE#DPGGFSFE#DFJMJDH1 +m 'a'm #UP #TIFFU#H O 414#GP S #O ID 1#FOFS H Z #S FR VJS FN FOUT 1,

41) CFBN #QPDLFU#PS#; %s; %#DPODSFUF#CMPDL#OJC#XBMMTJ#NJOJN VN CFBSJOH#60425%1

# (451) WALL & CEILING BETWEEN GARAGE & LIVING SPACE

82; %#UZOF#VY \*#ESZXBMM#PO#DFJMJDH#PG#HBSBHF#X2#MJMJDH#TOBDF BCPWF#) #425%#ESZXBMM#PO#XBMMT#TVOOPSUJOH#82; %#JZOF#Y #HXC X 2#IBCJUBCMF#TQBDF#BCPWF#BOE#CFUXFFO#IPVTF#BOE HBSBHF#ADTVMBUF#XBMMT#BOE#DFJMJDH#CFUXFFO#HBSBHF#BOE DPOE JUJPOFE #TQBDF #UBQF#TFBM#) #TUS VDUVSBMMZ #TVQQPSU#BMM KP JOUT #JO #PSEFS #UP #CF#HBT2GVNF#UJFIU1

+m 'a'm #UP #TIFFU#H O 412#GP S #O 1D 1#FOFS H Z #S FR VJS FN FOUT 1,

461) EPPS#BOE#GSBNF#HBTQSPPGFE##EPPS#FRVQQFE#XJDI#TFMG DMPTOH #E FW OF #BOE #X FBUIFSTUS QQOH 1

### (47) CLOTHES DRYER VENT

ESZFS#FYIBVTU#WFOUFE#UP#FYUFSJPS#)#FRVJDOFE#X2#CBDL ESBGII#EBNOFS 1#NBY 1#68 #EVDII#MFOHIII #GSPN #II F#DPOOFDIJPO UP #IT F#US BOTJUPO#E VD U#GS PN #IT F#E S Z FS #IP #IT F#P VUMFU UFS N JDB M#X T FS F#GJTUJOH T#B S F#VTFF #S FGFS #IP #N FD T B O JD B M DPEF#GPS #NBY #MFOHUI #SFEVDUJPOT #TFBM#XJJTI OPOODPNCVTUCMF#NBUFSBM#BQQSPWFE#GJSF#DBVMLJOH#PS#OPO DPNCVTUCMF#ESZFS#FYIBVTU#EVDU#XBMM#SFDFOUBDMF

# ATTIC ACCESS

BUULD #BDDFTT#IBUDI#53 %s 63 %#XJUI#XFBUIFS 0#TUS JO OJOH #LOUP BOZ#BUUJD#FYDFFEJDH#63 #TG#s#63 %#WFSUJ#IFJHIUJ##BMMPX#63 % IFBESPPN #JD#BUUJD#BU#IBUDI#MPDBUJPO#m 043 #N JD#JDTVMBUJPO OR

O VMM#E PXO#TUB JS #+O ET,#+TJ[F#O FS #O MBO,#X JUI XFBUIFS OTUS DO ODH #) #DTVMBUFE #XJDI #+S 8.#SJH JE #DTVMBUJP 01 +0 P O 0 S JH JE #JD T V MB U JP O #N B U F S JB M T #B S F #O P U #B M M P X F E ,

### FIREPLACE CHIMNEYS

UP Q #P G#GJS FQ MB D F#D I JN OFZ #TIB MM#C F#N JD J#6\*03 %#B C P W F#UI F TUR TETUMO POULAR UMX TUD T MUTAD POUR DUAX TUT MUTEUR POULA BOE #5\*03 %#BCPWF#UIF#SPPG#TVSGBDF#XJUIJD#B#IPSJ[#EJTUBODF PG#43 \*03 %#GS PN #UIF#D IJN OFZ 1

MJD FO #D MP TFU#P S #Q B O US Z #X 2#N JD  $\pm$ 45%#E FFQ #T I FMW FT  $\pm$ Q S P W JE F

### MECHANICAL VENTILATION

N FD IB OJD B M#FY IB VTU#GB O AW FOUFE #E JS FD UMZ #UP #FY UFS APS AHIP OSPWEF#83 ah #DUFSN JUUFOU#PS#53 ah #DPOUJOVPVT#D CBUISPPNT#) #UP JMFU#SPPNT#OSPWJEF#EVDU#TDSFFOJ#TFF#IWBD

### CABINET BLOCKING

- 69 %#B1G1G1#GPS#CBTF#DBCJ0FUT
- 87 %#B 1G1G1#GPS #CPUUPN #PG#VOOFS #DBC JOFUT ; 7 %#B 1G1G #GP S #UP Q #P G#B #63 %#VQ Q FS #D B C JD FU
- < 9 %#B 1G1G #GP S #UP O #P G#P O U.P OB M#7 5%#VO O FS T
- $_{53}$ ) $_{1}$  <u>Stud wall reinf. For Handicap Bathroo</u>m

X I F S F # I B O E JD B Q Q F E # B D D F T T JC JMJUZ #JT # S F R VJS F E ÆQ S P W JE F XPPE#CMPDL ODH #S FOOGPSDFN FOU#UP#TUVE #XBMMT##GPS#HSBC CBS #10 TUB MMB U.P O #10 #CBUTS PPN #466%069 %#B 1G1G1#CFT.10 F ##UP.1MFU1 66#BIGIG #PO#UIF#XBMM#PQQPTJUF#UIF#UIF#FOUSBODF#UP#UIF CBUIUVC #PS #TIPXFS

# S4 RANGE HOOD VENT

SBOHF#IPPE #W FOUFE #UP #FY UFS JPS J#) #FR VJQ Q FE #X 2#C BD L ESBGU#EBNQFS #N DSPXBWFT #MPDBUFE #BCPWF #B #DPPL JOH BOOMBODF#TIBMM#DPOGPSN#UP#VM<561

### (551) SLAB ON GRADE PORCH

DPODSFUF#TMBC#QFS#TUSVDUVSBM#ESBXJDHT#PWFS#DMFRO UFS N JUF#US FB UFE #D P N O B D U#GJMM#TVC UFS S B O FB O #UFS N JUF QPTUOUS FBUN FOU#NBZ#CF#CPSBDBSF#BQQMJFE#UP#HSPVOE GMPPS#XPPE#TVSGBDFT#JMP#TPJM#USFBUNFOU1

- (56) EJS FDUHW FOUHGVS OBD FHUFS NJOB MHTFFHBQQ FOEJY OD HWFY JD UFS N JOB MT#P G#N FD I B O JO B M#E S B GU#B O E #E JS FD U#W FOU#W FOU JOH TZTUFN %#GPS #N JOJN VN #D MFBS BOD FT#UP #X JOE PX #) #E PPS POFOJOH T#HSBEF#FYIBVTU#) #JOUBLF#WFOUTJ#SFGFS#UP#HBT VUMNTBUNPO#DPEF1
- (57) E JS FD U#W FOU#H B T#GJS FQ MB D F #TFF#B Q Q FOE JY OD #%FY JJ#UFS N JD B MT PG#NFDIBOJDBM#ESBGU#BOE#EJSFDU#WFOU#NFOUJDH#TZTUFN%#GPS N JOJN VN #D MFBSBODFT#UP#XJOEPX#)#EPPS#PQFOJOHT/#HSBEF/ FY I B VTU#) #LOUB L F#W FOUT L#S FGFS #UP #H B T#VUJNJ[B UJP O #D P E F1

# 58) SUBFLOOR FLOOR TRUSSES

627 %#U#) #H #TVC GMP P S #P O#Q S F0FOH JD FFS FE #GMP P S #US VTTFT#C Z S FH JTUFS FE #US VTT#N B OVGB D UVS FS 1##+TFF#TUS VD U1#FOH JDFFS \*T OBJMJOH #TD I FE VMF,

OSPWJEF#ESBGU#TUPOOJOH#FWFSZ#4333#TG1 CSBD JOH #JO#BDD PSEBOD F#X 2#JO JOX JDB #CD T.J +427 %.#O B OFM#UZ O F#VOE FS MB Z #VOE FS #S FTJMJFOU#) #O B S R VFU GMPPSJOH1

### EXPOSED BUILDING FACE

XBMMT#MFTT#UIBO#8\*03 %#GSPN#OSPOFSUZ#MJDF#TIBMM#IBWF#B GJS F#S BUJOH #PG#OP#MFTT#UIBO##IPVS#JO#BDDPSEBODF#XJJI B TUN #F#44< #PS #VM#596#XJUI #FYQPTVSF#GSPN#CPUI #TJEFT OSPKFDUPOT#CFUXFFO#5\*03 %#) #8\*03 %#GSPN#OSPOFSUZ#MDF#NVTU IBWF#B#SBUODH#PO#UIF#VOEFSTÆF#PG#OP#MFTT#UIBO##IPVS#O BDDPSEBODF#XJJJI#BTUN#F#44<#PS#VM#596 OSPKFDUPOT#MFTT#UIBO#8\*03 %#GSPN#OSPOFSUZ#MDF#DBOOPU

IBWF#B#WFOUMBUFE#TPGGJU

PQFO.DHT#.D#B#XBMM#MFTT#UIBO#6\*03 %#GSPN#QSPQFSUZ#M.DF#BSF OPU#BMMPXFE

PQFO.DHT#D#B#XBMM#CFUXFFO#6\*03 %#)#8\*03 %#GSPN#UIF#QSPQFSUZ MADF#DBOOPU#FYDFFE#58 (#PG#UIF#NBYANVN#XBMM#BSFB OFOFUS BUJPOT#MFTT#UIBO#8\*03 %#GS PN #UIF#OS POFS UZ #MJDF#N VTU DPNOMZ#XJJI#DVSSFOU#OD#DPEF

X T F S F #C V.ME .OH #GB D F #T #X .TIT .TO #43 \*03 \$#P G #O S P O F S UZ #M.OF #B F E 82; %#HZQTVN #CPBSE#VOEFSMBZNFOU#A#TPGGJU

### STEMBALL FOUNDATION \$ FOOTING

X T F S F ## S P VO E #CMP P S #TMB C #F V II F O E T #II P P #G B S #B C P W F #G ID 1 HSBEF#GPS#B#NPOPMJDIJD#TMBC#DPOTUSVDU#TUFNXBMM#EFUBJM Q FS #TUS VD UVS B M#FOH JOFFS \*T#TQ FD JGJD B UJP OT1

### TWO STORY VOLUME SPACES

CBMMPPO#GSBN JOH #QFS #TUS VDUVSBM#FOH JOFFS #0#SFGFS #UP GMP PS #O MB OT

(5<) UZQ ##IPVS #S BUFE #QBSUZXBMM#S FGFS #UP #E FUB JMT#GPS #UZQF BOE #TO FD T1

### WOOD FRAME \$ CONCRETE BLOCK CONSTRUCTION NOTES

41 UFS N JUF#) #E FD B Z #Q S P UFD UJP O

### CHEMICAL SOIL TREATMENT

UI F#D P OD FUS B U-P O#S B UF#P G#B Q Q MJD B U-P O#B OE #US FB UN FOU N FUI PE #P G#UI F#UFS N JUD JE F#T I B MM#C F#D P O TJT UF O U#X JUI #B O E OFWES #METT#JIBO#JIF#JESNJJJDJEF#MBCEM#BOE#TIBMM#CF BOOMFE#BDDPEOH#IP#ITF#TUBOEBSET#PG#ITF#OPSUT DBSPMJDB#EFOBSUNFOU#PG#BHSJDVMUVSF

GJFME #D VUT #OP UD I FT#B OE #E S JMMFE #I P MFT#TIB MM#C F US FB UFE #LO #UI F#GJFME #LO #BDDPSEBODF#XJJI #BXQB#N 71

B MM#X P P E #40 #E 35 FD U#D P OUB D U#X 3JI #D P OD S FUF#P S #N B T P OS Z GP VOE BUJP O#X B MMT#T I B MM#FJIII FS #C F#O S FTTVS F#IS FB UFF XPPE #D#BDDPSEBODF#XJTT#BXOB#V4#TUBOEBSET#PS OSPUFDUFE #GSPN #DPOUBDU#CZ#BO#BOOSPW FE #JN OFSW JPVT N PJTUVS F#C B S SJFS

51 TFF#TUS VD UVS B M#FOH JDFFS \*T#E S B X JDH T#GP S #TUFFM#MJDUFMT TVQQPSUJDH#BOZ#CSJDL#WFOFFS

### WINDOWS:

41 N JD #FN FS H FOD Z #FTD B O F #X JD E P X #P O FO JD H #T J FT N D #P G#P OF #FN FS H FOD Z #FTD B O F #X DE P X #S FR #D #FW FS Z TMFFO JOH#SPPN

N D #B S FB #GP S #H S P VOE #GMP P S #FN FS H FOD Z #FTD B Q F POFO.DH #?#813 #T1 IGo1 N D #BSFB #GPS #TFD POE #GMPPS #FN FSH FOD Z #FTD BQF

PQFO.DH#?#81:#T1 1Go1 N JO JHI FJH I U#E JN FOTJP O #GPS #FN FS H FOD Z #FTD B O F#P O FOJOH #?

N D #X E UI #E JN FOT P O #GPS #FN FS H FOD Z #FTD B Q F #P Q FO JOH ##?

NBY #TJMM#IFJHIU#GPS#FNFSHFODZ#FTDBQF#PQFOJDH##?#77% BCPWF#GMPPS

### 51 N JOJN VN #X JOE P X #TJMM#I FJH I U

THE X FMM THE 4TO THE FET THE SET THE SET OF OUR HOUSE OF SEC. X DEPX #IT #N PSF#UIBO#: 5%#BCPWF#GDIFE#HSBEF#PS TVS GBD F#C FMP X ÆUT F#MP X FTU#O BS U#P G#UT F#D MFBS #P O FO.DH TIBMM#CF#B#NJOJNVN#PG#57%#BCPWF#UIF#GJOJTIFE#GMPPS1 BOZ#X ODE PX#57 %#PS#MFTT#GSPN#GOOTIFE#GMPPS#TIBMM#CF FR VJQ Q FE #X JUI #B O #P Q FO JO H #MJN JUJO H #E FW JD F1

- 61 GJYFE #H MBTT#SFRVJSFN FOUT-#GJYFE #H MBTT#JT#SFRJ#GPS X JDE PXT#MFTT#UIBO#57 %#BCPWF#GJDJTIFE#GMPPS1
- 71 GMB TI JOH #TFB MB OUT#B OF #X FB UT FS TUS JO O JOH #JOTUB MM BOOSPWFE #DPSSPTPOOSFTTUBOU#GMBTIJOH #BU#BMM FY UFS JPS #EPPST#) #X JDEPXT#UP #FY UFOE #UP #UIF#TVS GBDF#PG UT F#FY UFS JPS #X B MM#GJDJT I #PS #X B UFS #S FTJT UJW F#C BSS JFS 1 X JDE P X T#T I B MM#C F#TFB MFE #X JDI #N JD JN VN #R VB MJUZ #P G D B VMI, JDH #IP #C F#B TIIN #Tk \ ^ #< 53 #P S #45: 4#X JII #IFTIJDH #) OFS GPSNBODF#Dg\nn#58#PS#BBNB#Dg\nn#; 3 3 #PS#; 451 S FD P N N F O E #T L B #53 41
- 81 NBYJN VN #UPMFSBODF#GPS#NBTPOSZ#SPVHI#PQFOJOH#TJ[F= NBTPOSZ#SPVHI#PQFOJOH#EJNFOTJPOT#TIBMM#QSPWJEF#GPS B #X JOEPX #Q FS JN FUFS #TFB MB OU#KP JOU#B #N BY JN VN #PG#427 %#JO
- 91 N JOJN VN #FOFSH Z #D P E F#S FR VJS FN FOUT #GPS #X JOE P X T1 OTUB MMFF #X OF PXT#TIB MM#IBW F#OS POFS UFT#B T#FGG.D FOU BT#X ODE PXT#VTFE #UP #D BMD VMBUF#GPS N #443 3 B 1##X ODE PX QFSGPSNBODF#DSJUFSJB#BSF#DPOUBJOFE#JD#UIF#FOFSHZ HBVHF#VTB2GMB2SFT#DPNQVUFS#QSPHSBN1 m 'a'm #UP #TIFFU#H O 424#GPS #N JOJN VN #OID #TPMBS #IFBU#H BJO DPFGGJDJFOU##TIHD.1 X DEPXT#X JDI#DFSUJGJFE#QFSGPSNBODF#TIBMM#IBWF#UIF OGS D #MB C FM#O S P W .E .DH #VOW B MVF#) #T T H D #JP #S FN B .D #P O #JT F X JDE PX #VOUJN#GJDB M#FOFS HZ #JDTO FD UJP 01
- :1 BOZ#HMBTT#PS#X.DEPX#NVTU#CF#UFNOFSFE#UIBU#T= MFTT#UIBO#4; %#BCPWF#GJDJTI#GMPPS1 XJUIJD#93 %#PG#B#UVC#PS#TIPXFS1 XIFS F#OFBS FTU#W FS ULD BM#FE H F#LT#X JUI JD #57 %#P G#B #E P P S BOE #C PUUPN #X DE PX #FEH F#T #MFTT #UIBO#93 %#BCPW F#GMPPS1 PWFS#<#n1a1#PG#HMBTT#BSFB1 MFTT#UIBO#93 %#GSPN#TUBJS#USFBE#PS#MBOEJDH1

### GENERAL

- 41 UIF#GPMMPXJOH #XIFSF#OSFTFOU#TIBMM#CF#DBVMLFE/ HBTL FUFE #XFBUIFS OTUS OO OFE #PS #PUIFS XJFF#TFBMFE #XJUI BO#BJS#CBSSJFS#NBUFSJBM=
  - B1 CMPDL JOH #BOE #TFB MJOH #GMPPS #2#DFJMJOH #TZ TUFN T#BOE VOE FS #LOFF#XBMMT#PQFO#UP#VODPOEJUPOFE#PS FYUFS PS #TO BD F
  - C 1 DBQQ JOH #BOE #TFB MJOH #TIB GUT#PS #DIB TFT#JOD MVE JOH GMVF#TTRGIIT
  - D 1 D B Q Q JOH #B OE #TFB MJOH #TP GGJU#P S #E S P Q Q FE #D FJMJOH BSFBT
- E 1 UPO #BOE #C PUUPN #OMBUFT
- 51 Q FOFUS B U.P OT#X JMM#C F#TFB MFE #X JUI #B #Q S PE VD U#UI B U#N FFUT BTUN #F44< 1#GJC FS HMBTT#DTVMBUJPO#JT#OPU#OFS NJJUFE#UP TFB M#B OZ #Q FOFUS B UJP OT1
- 61 H VB S F T#T I B MM#C F#MP D B II F F #B MP O H #P O F O O T F F F #X B MI . TO H TVS GB D FT #LOD MVE JOH #GMP P S FE #B UUJD #B S FB T1



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**GENERAL NOTES** 

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# North Carolina INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT

					(Hote 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 <i>R</i> -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

- a. R-VALUES ARE MINIMUMS. U-FACTORS AND SHGC ARE MAXIMUMS.
- b. THE FENESTRATION *U*-FACTOR COLUMN EXCLUDES SKYLIGHTS. THE SHGC COLUMN APPLIES TO ALL GLAZED FENESTRATION.
- 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.
- 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.
- e. NOT USED
- f. BASEMENT WALL INSULATION IS NOT REQUIRED IN WARM-HUMID LOCATIONS AS DEFINED BY FIGURE N1101.7 AND TABLE N1101.7.
- g. OR INSULATION SUFFICIENT TO FILL THE FRAMING CAVITY, R-19 MINIMUM.
- 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.

- i. THE SECOND R-VALUE APPLIES WHEN MORE THAN HALF THE INSULATION IS ON THE INTERIOR OF THE MASS WALL.
- 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.
- 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.
- I. 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.
- 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.
- 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.
- O. BASEMENT WALL MEETING THE MINIMUM MASS WALL SPECIFIC HEAT CONTENT REQUIREMENT MAY USE THE MASS WALL R-VALUE AS THE MINIMUM REQUIREMENT.



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SHENANDOAH DH

SHENANDOAH -

AROLI

SH

NO.: **21901788** 

DATE: 11/02/2021

DRAWN BY:

GENERAL NOTES

GN1.1



FRONT ELEVATION - CRAFTSMAN



REAR SIDE ELEVATION - CRAFTSMAN

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



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11/02/2021

CAR

EXTERIOR ELEVATIONS

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



LEFT SIDE ELEVATION - CRAFTSMAN



RIGHT ELEVATION - CRAFTSMAN

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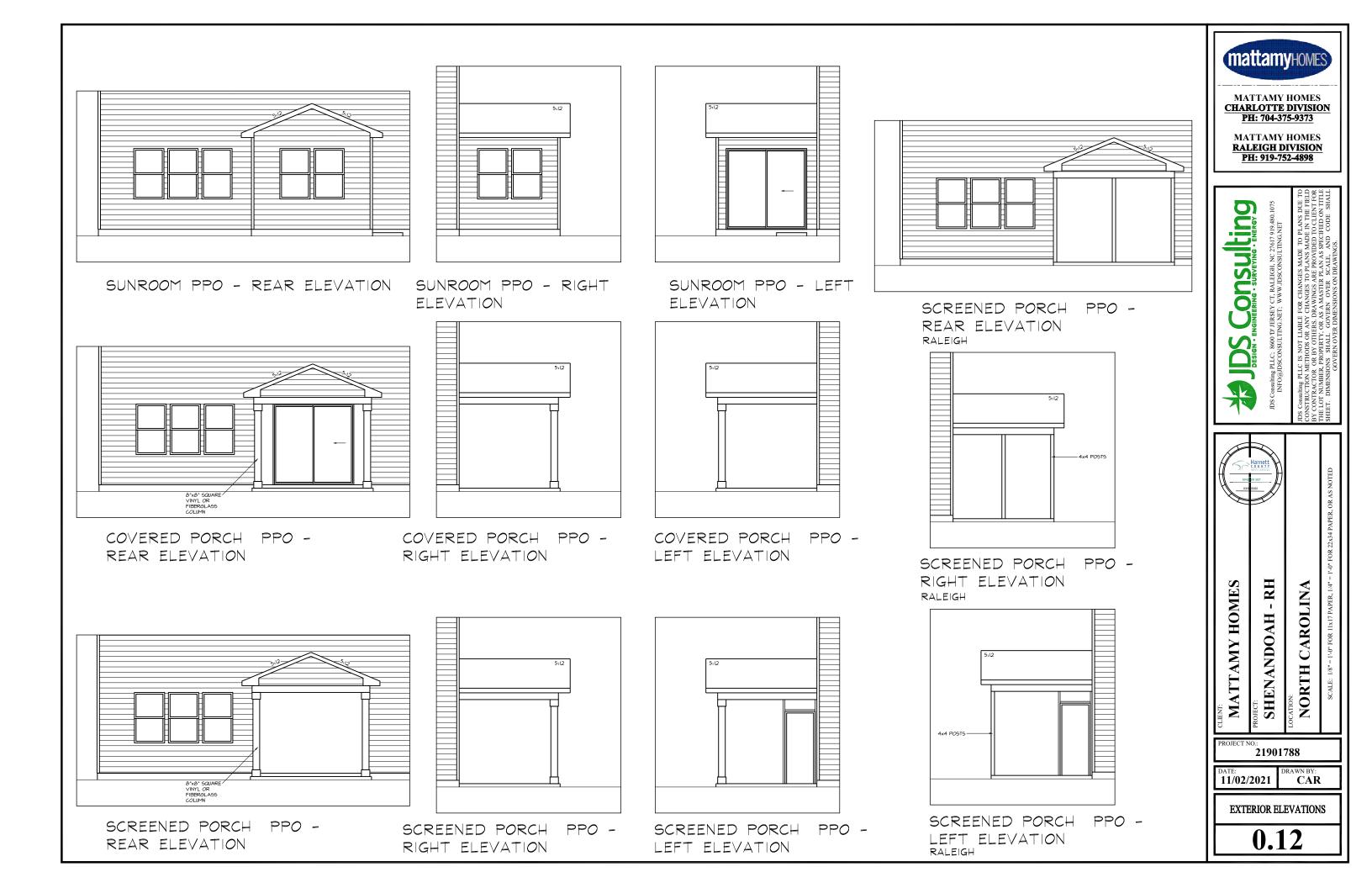
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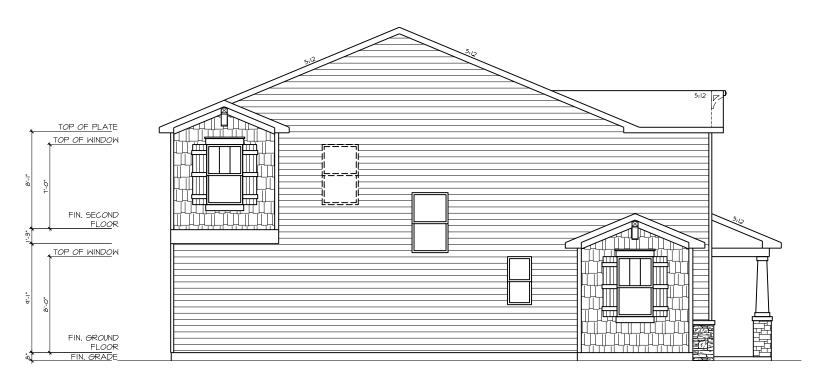
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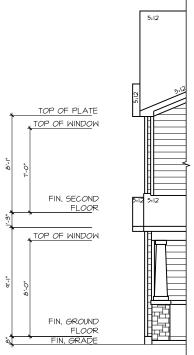
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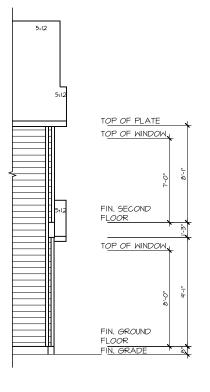
EXTERIOR ELEVATIONS





PPO - ENHANCED SIDE ELEVATION LEFT SIDE ELEVATION -CRAFTSMAN





PPO - ENHANCED SIDE ELEVATION FRONT ELEVATION -CRAFTSMAN



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Onsulting FERING : SURVEYING : ENENGY



- RH

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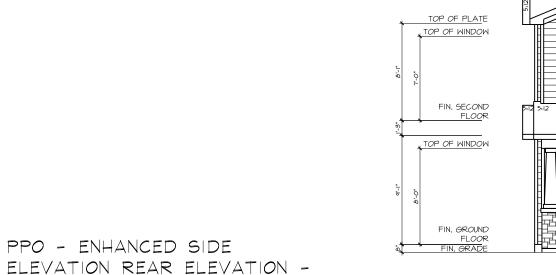
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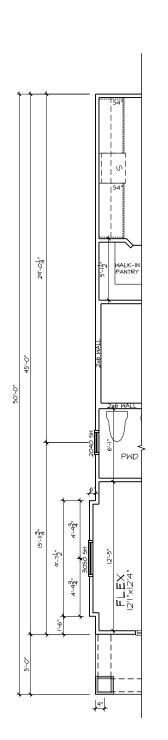
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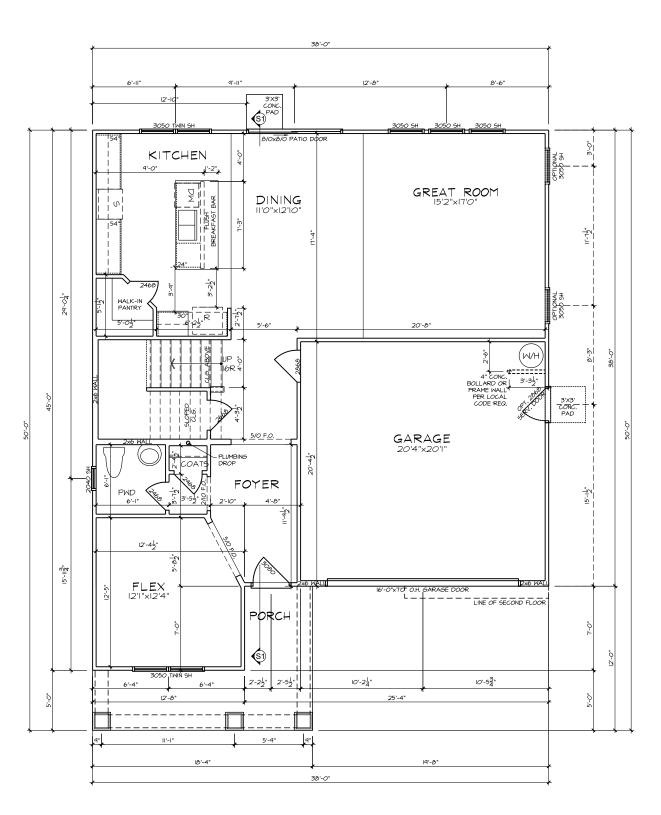
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**EXTERIOR ELEVATIONS** 



CRAFTSMAN





GROUND FLOOR PLAN -ENHANCED SIDE ELEVATION -CRAFTSMAN

GROUND FLOOR PLAN - CRAFTSMAN

### **FLOOR PLAN NOTES**

- ALL FRAMED OPENINGS (F.O.) @ 80" ON 1ST & 96" ON 2ND U.N.O.
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  ALL STUDS BEHIND SHOWER STALLS @ 16" O.C.

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Onsulting



- RH SHENANDOAH

NORTH

CAR

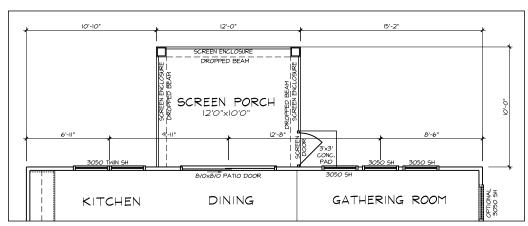
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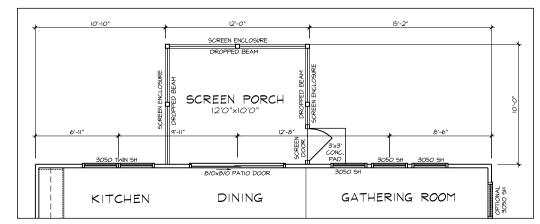
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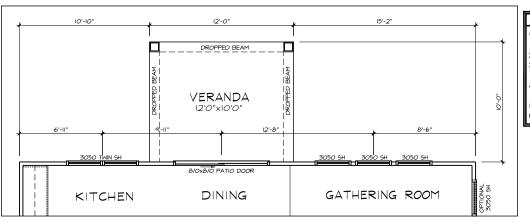
FIRST FLOOR PLAN



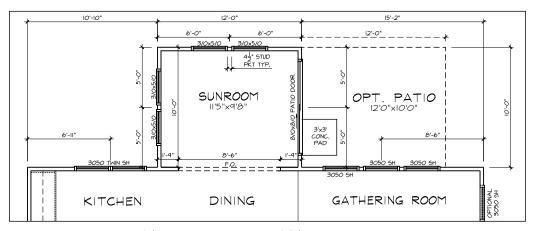
PPO - GROUND FLOOR PLAN SCREEN PORCH (CHARLOTTE)



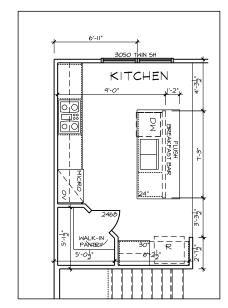
PPO - GROUND FLOOR PLAN SCREEN PORCH (RALEIGH)



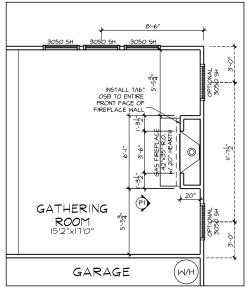
PPO - GROUND FLOOR PLAN COVERED VERANDA



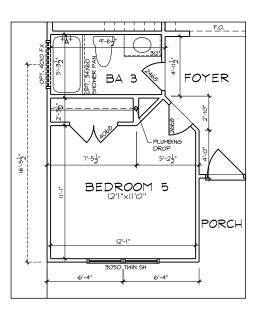
PPO - GROUND FLOOR PLAN SUNROOM



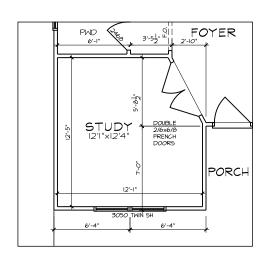
PPO - GROUND FLOOR PLAN SIGNATURE KITCHEN



PPO - GROUND FLOOR PLAN GAS FIREPLACE



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



FLOOR PLAN NOTES

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TO HEATED SPACES I.L.O. T-PLY.

PPO - GROUND FLOOR PLAN - CRAFTSMAN STUDY - CRAFTSMAN



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SHENANDOAH - RH
CATION:
NORTH CAROLINA

ROJECT NO.: 21901788

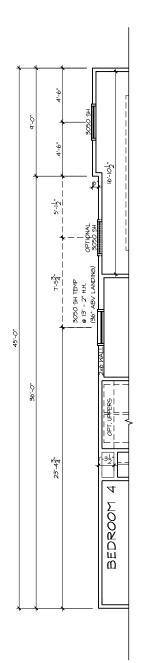
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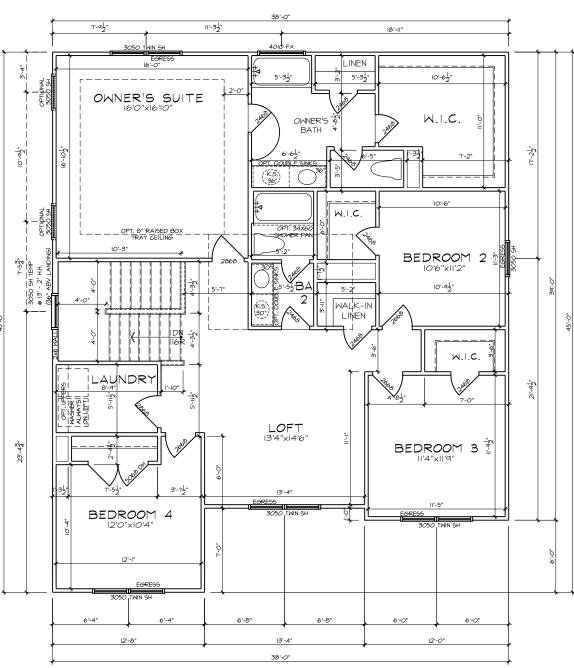
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FIRST FLOOR OPTIONS
FLOOR PLANS

1.1





SECOND FLOOR PLAN -ENHANCED SIDE ELEVATION -CRAFTSMAN

### **FLOOR PLAN NOTES**

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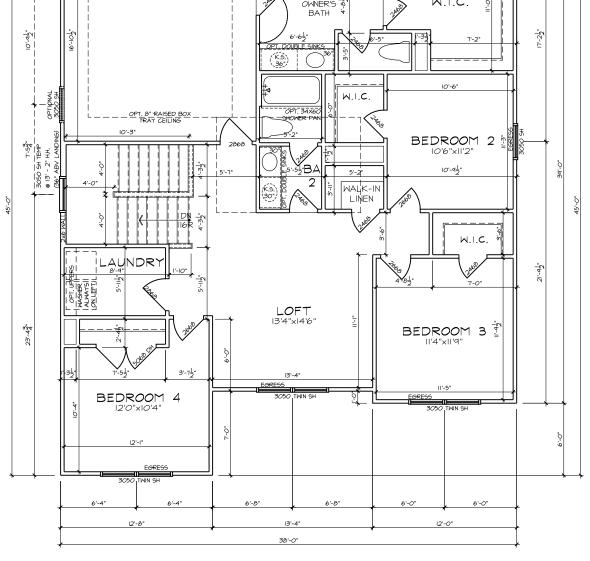
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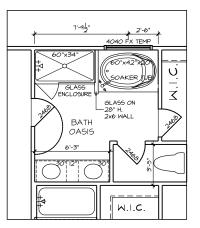
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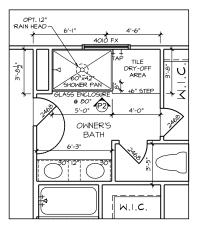
SECOND FLOOR PLAN

CAR

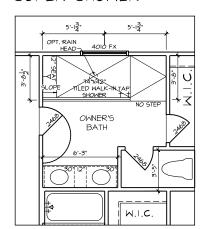




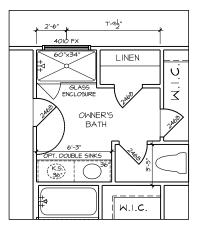
PPO - SECOND FLOOR PLAN BATH OASIS



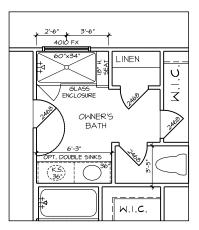
PPO - SECOND FLOOR PLAN SUPER SHOWER



PPO - SECOND FLOOR PLAN SPA SHOWER



PPO - SECOND FLOOR PLAN STAND-IN SHOWER



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

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- RH SHENANDOAH

CAROLINA

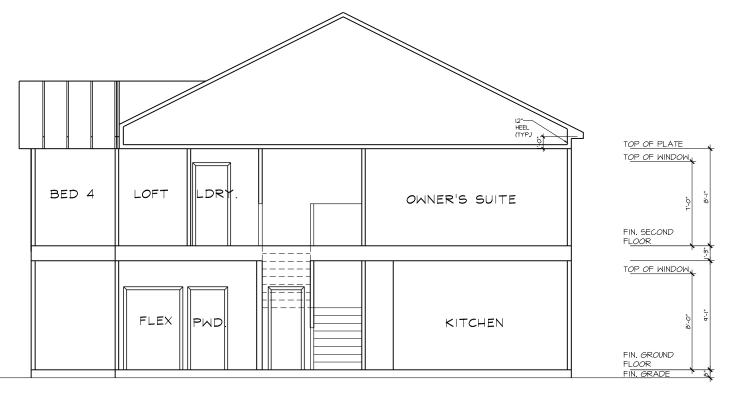
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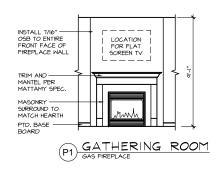
MATTAMY HOMES

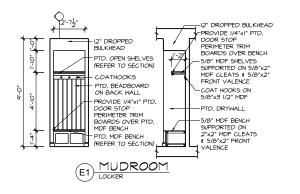
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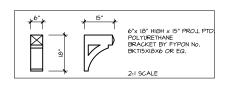
SECOND FLOOR OPTIONS FLOOR PLANS

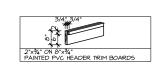


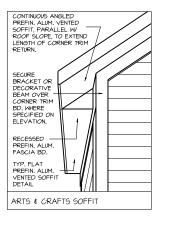
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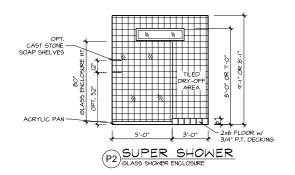












mattamyHOMES

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MATTAMY HOMES RALEIGH DIVISION PH: 919-752-4898

Onsulting FERING : SURVEYING : ENENGY



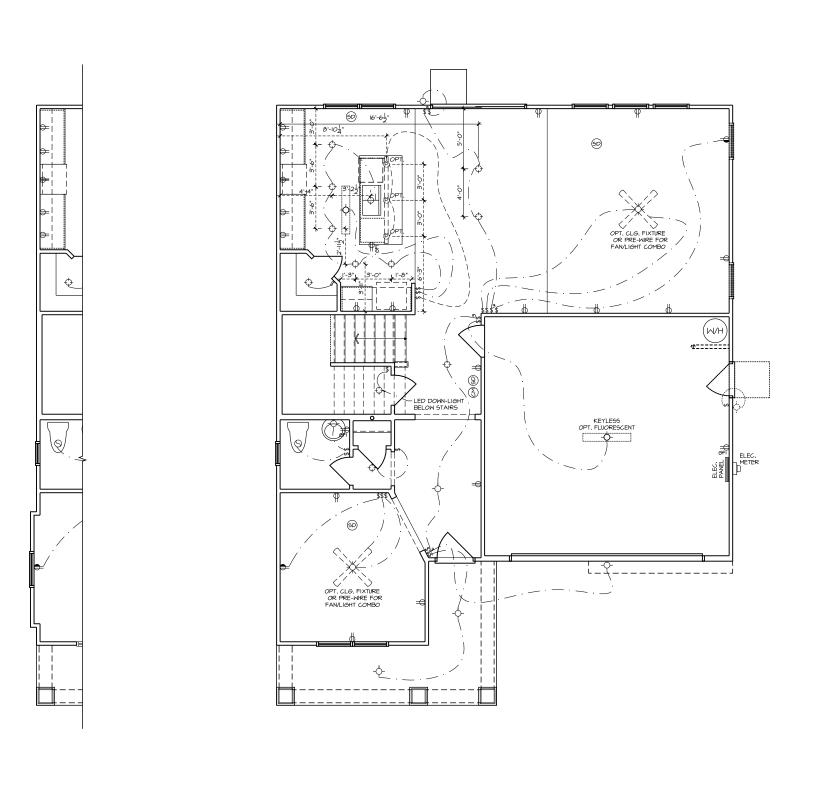
CAROLINA NORTH

MATTAMY HOMES SHENANDOAH 21901788

11/02/2021

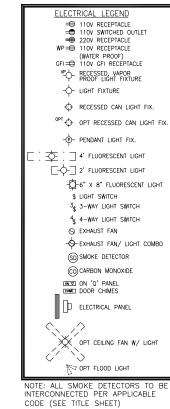
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SECTIONS & DETAILS



ENHANCED SIDE ELEVATION -CRAFTSMAN

ELECTRICAL PLAN - CRAFTSMAN





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CAR

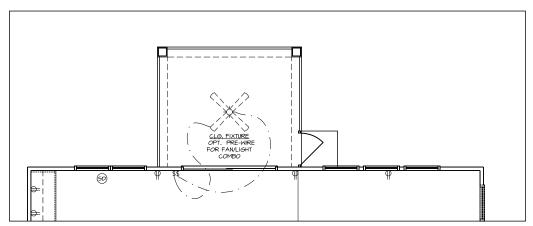
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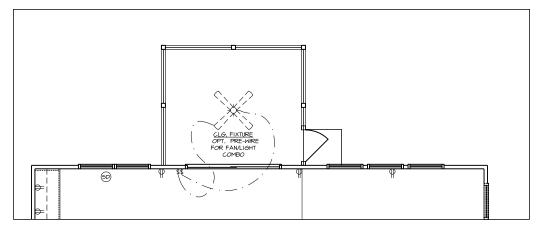
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MATTAMY HOMES

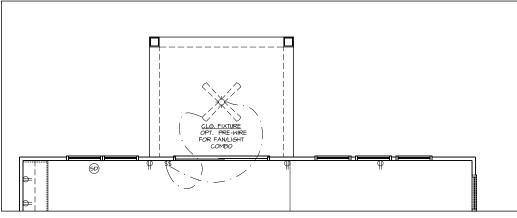
FIRST FLOOR ELECTRICAL PLAN



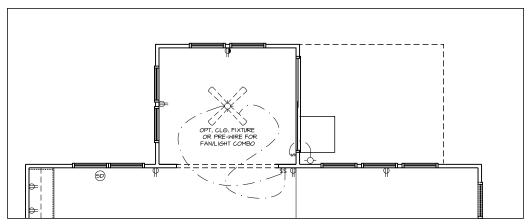
PPO - GROUND FLOOR ELECT. PLAN SCREEN PORCH (CHARLOTTE)



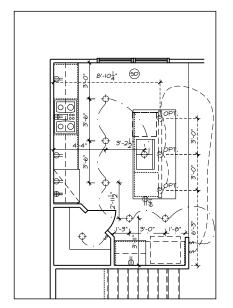
PPO - GROUND FLOOR ELECT. PLAN SCREEN PORCH (RALEIGH)



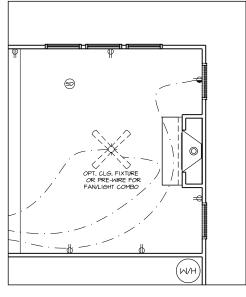
PPO - GROUND FLOOR ELECT. PLAN COVERED VERANDA



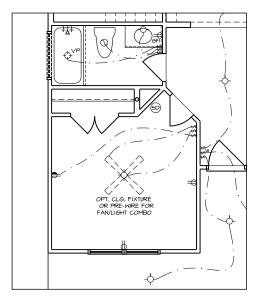
PPO - GROUND FLOOR ELECT. PLAN SUNROOM



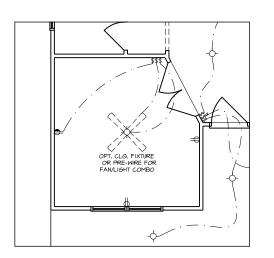
PPO - GROUND FLOOR ELECT. PLAN SIGNATURE KITCHEN



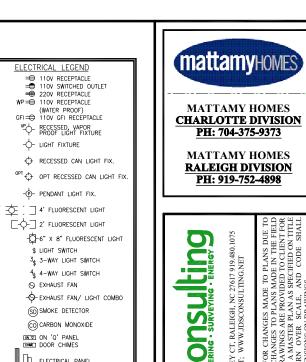
PPO - GROUND FLOOR ELECT. PLAN GAS FIREPLACE



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



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



ELECTRICAL PANEL

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

OPT CEILING FAN W/ LIGHT





MATTAMY HOMES

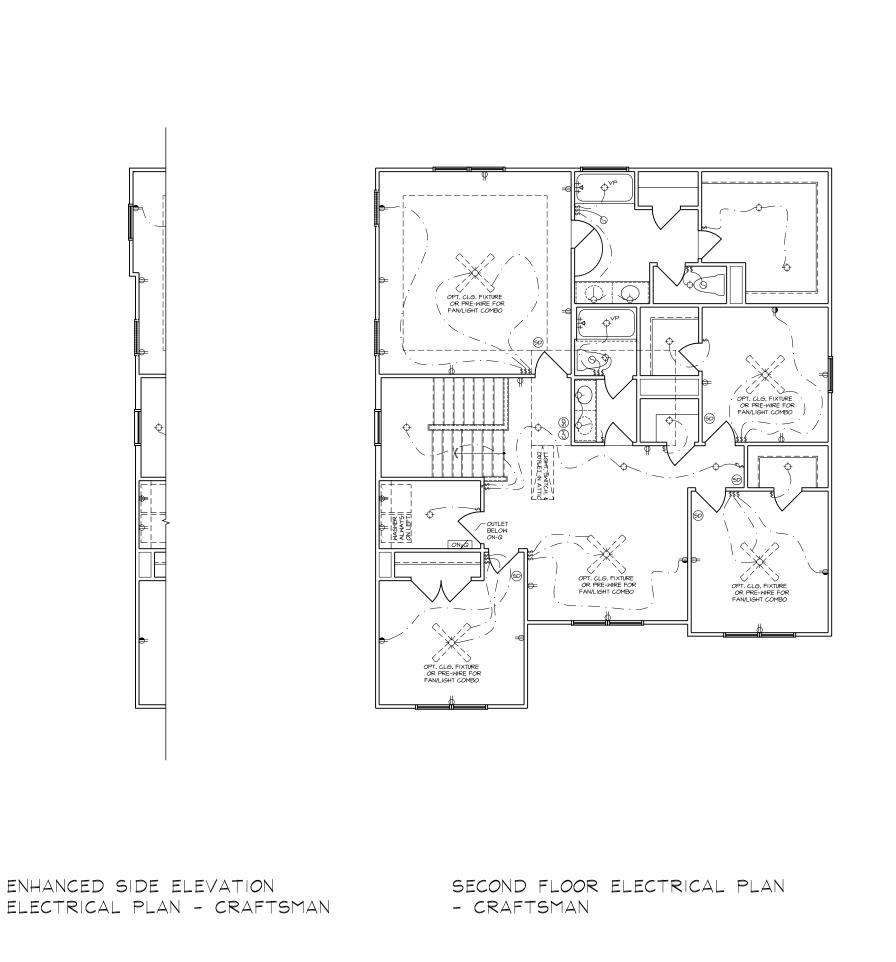
- RH CAROLINA SHENANDOAH

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11/02/2021

FIRST FLOOR OPTIONS ELECTRICAL PLANS

CAR





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



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MATTAMY HOMES

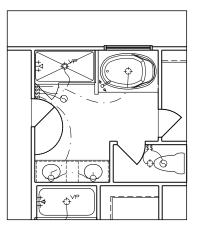
SHENANDOAH - RH
CATION:
NORTH CAROLINA

DJECT NO.: 21901788

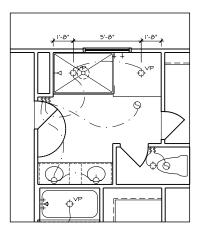
DATE: DRAWN BY: 11/02/2021 CAR

SECOND FLOOR ELECTRICAL PLAN

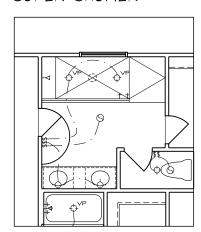
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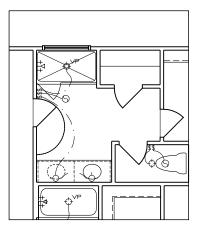
PPO - SECOND FLOOR ELECT. PLAN STAND-IN SHOWER



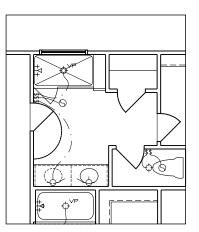
PPO - SECOND FLOOR ELECT. PLAN SUPER SHOWER



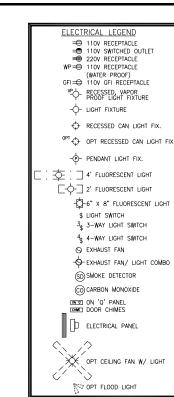
PPO - SECOND FLOOR ELECT. PLAN SPA SHOWER



PPO - SECOND FLOOR ELECT. PLAN STAND-IN SHOWER



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



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



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RALEIGH DIVISION
PH: 919-752-4898





SHENANDOAH - RH

OCATION:
NORTH

CAROLIN

O.: 21901788

ГЕ:

MATTAMY HOMES

DATE: DRAWN BY: CAR

SECOND FLOOR OPTIONS ELECTRICAL PLANS

7.1

# STRUCTURAL PLANS FOR:



# **MATTAMY HOMES - SHENANDOAH RH**

PLAN RELEASE / REVISIONS				
REV. DATE	ARCH PLAN VERSION	REVISION DESCRIPTION	DRFT	
10/04/2021	NC4006 - 2015.12.14	SET UP & DESIGNED STRUCTURE	ABS	

# **NOTES**

- 1. ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT, INCLUDING ROOF GEOMETRY. JDS CONSULTING, PLLC ASSUMES NO LIABILITY FOR CHANGES MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. ENGINEER TO BE NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.
- 2. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS.
- 3. PLANS MUST HAVE SIGNED SEAL TO BE VALID AND ARE LIMITED TO THE FOLLOWING USES:
- A. IF THESE PLANS ARE ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR 18 MONTHS FROM THE DATE ON THE SEAL, UNLESS ANY CODE-REQUIRED UPDATES ARE PLACED IN EFFECT BY THE MUNICIPALITY.
- B. IF THESE PLANS ARE NOT ISSUED AS A MASTER-PLAN SET, THE SET IS VALID FOR A CONDITIONAL, ONE-TIME USE FOR THE LOT OR ADDRESS SPECIFIED ON THE TITLE PLACE.

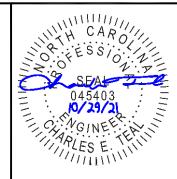
# CODE

ALL CONSTRUCTION, WORKMANSHIP, AND MATERIAL QUALITY AND SELECTION SHALL BE PER:

2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE

# **ENGINEER OF RECORD**

JDS CONSULTING, PLLC
DESIGN - ENGINEERING - SURVEYING - ENERGY
8600 'D' JERSEY COURT
RALEIGH, NC 27617
FIRM LIC. NO: P-0961
PROJECT REFERENCE: 21901788



P-0961





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SHENANI
SATION:

mattamyHOMES

21901788

DATE: DRAWN BY: ABS

TITLE SHEET

T

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
- BRACED-WALL DESIGN IS BASED ON SECTION ROOF. 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

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

### DESIGN LOADS

**DECKS** 

**EXTERIOR BALCONIES** 

PASSENGER VEHICLE GARAGES

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 R301.5	LIVE LOAD (PSF)
DWELLING UNITS	40
SLEEPING ROOMS	30
ATTICS WITH STORAGE	20
ATTICS WITHOUT STORAGE	10
STAIRS	40

FIRE ESCAPES **GUARDS AND HANDRAILS** 200 (pounds, concentrated)

50

COMPONENT AND CLADDING LOADS, INCLUDING THOSE FOR DOORS AND WINDOWS, SHALL BE DERIVED FROM TABLES R301.222 AND FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 35 FEET, LOCATED IN EXPOSURE B.

A 8888	EVIATIONS	KS	KING STUD COLUMN
ADDRI	EVIATIONS	LVL	LAMINATED VENEER
		LVL	LUMBER
ABV		MAX	MAXIMUM
	ABOVE FINISHED FLOOR	MECH	MECHANICAL
ALT		MFTR	MANUFACTURER
BRG		MIN	MINIMUM
	BASEMENT	NTS	NOT TO SCALE
CANT		OA	OVERALL
CJ	CEILING JOIST	OC	ON CENTER
CLG		PT	PRESSURE TREATED
CMU	CONCRETE MASONRY UNIT	R	RISER
CO	CASED OPENING	REF	REFRIGERATOR
COL	COLUMN	RFG	
CONC	CONCRETE	RO	ROUGH OPENING
CONT		RS	ROOF SUPPORT
D	CLOTHES DRYER	SC	STUD COLUMN
DBL		SF	SQUARE FOOT (FEET)
DIAM		SH	SHELF / SHELVES
DJ	DOUBLE JOIST	SHTG	
DN	DOWN	SHW	
DP	DEEP	SIM	SIMILAR
DR	DOUBLE RAFTER	SJ	
DSP	DOUBLE STUD POCKET	SP	
EA	EACH	•.	SPECIFIED
EE	EACH END	SQ	SQUARE
EQ	EQUAL	T T	TREAD
EX	EXTERIOR	TEMP	TEMPERED GLASS
FAU		THK	THICK(NESS)
FDN	FOUNDATION	TJ	TRIPLE JOIST
FF	FINISHED FLOOR	TOC	TOP OF CURB / CONCRETE
FLR	FLOOR(ING)	TR	TRIPLE RAFTER
FP	FIREPLACE	TYP	TYPICAL
FTG	FOOTING	UNO	UNLESS NOTED OTHERWISE
НВ	HOSE BIBB	W	CLOTHES WASHER
HDR	HEADER	WH	
HGR	HANGER	WWF	
JS	JACK STUD COLUMN	XJ	EXTRA JOIST
		ΛJ	EATRA JUIST

### MATERIALS

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

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 F = 1.9F6 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. Fv = 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
- CONCRETE SUBJECT TO MODERATE OR SEVERE WEATHERING PROBABILITY PER TABLE R301.201 SHALL BE AIR-ENTRAINED WHEN REQUIRED BY TABLE R462.2
- 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

- 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
- 2. CONCRETE FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION F464 OR AMERICAN CONCRETE **INSTITUTE STANDARD ACI 318.**
- MASONRY FOUNDATION WALLS TO BE SELECTED AND CONSTRUCTED PER SECTION R484 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 .
- CONCRETE WALL HORIZONTAL REINFORCEMENT TO BE PER TABLE R484.1.2017 OR AS NOTED OR DETAILED. CONCRETE WALL VERTICAL REINFORCEMENT TO BE PER TABLES R484.1.203 AND 49 OR AS NOTED OR DETAILED. ALL CONCRETE WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTERS.
  - A. TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER BECTION RAGS
- PLAIN-MASONRY WALL DESIGN TO BE PER TABLE R484.1.1億億 OR AS NOTED OR DETAILED. MASONRY WALLS WITH VERTICAL REINFORCEMENT TO BE PER TABLES R464.1.1 12 THROUGH 4 OF AS NOTED OR DETAILED. ALL MASONRY WALLS SHALL COMPLY WITH APPLICABLE PROVISIONS OF CHAPTERS .
  - TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM.
  - WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT CENTERED IN WALL).
    FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER
- SECTION R405
- 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 F463.1.6 FOR SPECIFIC CONDITIONS.
- 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
- 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.
- NON-BEARING INTERIOR WALLS NOT MORE THAN 10' NOMINAL HEIGHT AND NOT SHOWN AS BRACED WALLS MAY BE FRAMED WITH 2x4 STUDS @ 24" OC.
- SOLID BLOCKING TO BE PROVIDED AT ALL POINT LOADS THROUGH FLOOR LEVELS TO THE FOUNDATION OR TO OTHER STRUCTURAL COMPONENTS.
- 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
  - 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# UPLIET 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
- 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.
  - INSTALLATION OF THE SYSTEMS SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
  - TRUSS LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE WITH THE SUPPORT LOCATIONS SHOWN IN THESE
- 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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**HOMES** 

ATTAMY

CAROLI

NORTH

SHENANDOAH



21901788

RAWN BY 10/29/2021

ABS

GENERAL NOTES

FASTI	ENER SCHEDUL	.E		
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 R882.3(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"
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(2) 2x6 @ 16" OC	21'-6"
(2) 2x6 @ 12" OC	25'-0"
(2) 2x8 @ 16" OC	27'-0"
(2) 2x8 @ 12" OC	31'-0"

- a. ALL HEIGHTS ARE MEASURED SUBFLOOR TO TOP OF WALL PLATE.
- b. 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.
- c. FINGER-JOINTED MEMBERS MAY BE USED FOR CONTINUOUS HEIGHTS WHERE TRADITIONALLY MILLED LUMBER LENGTHS ARE
- d. FOR GREATER WIND SPEED, SEE ENGINEERED SOLUTION FOR CONDITION IN DRAWINGS.

### ROOF SYSTEMS

### TRUSSED ROOF - STRUCTURAL NOTES

- 1. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

DENOTES OVER-FRAMED AREA

- 3. MINIMUM 7/16" OSB ROOF SHEATHING
- 4. 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.
- 5. MANUFACTURER TO PROVIDE REQUIRED UPLIFT CONNECTION.
- 6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- 7. 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
- 2. FUR RIDGES FOR FULL RAFTER CONTACT.
- 3. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

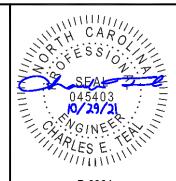
DENOTES OVER-FRAMED AREA

- 5. MINIMUM 7/16" OSB ROOF SHEATHING
- 6. 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.
- 8. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR

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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**mattamy**HOMES

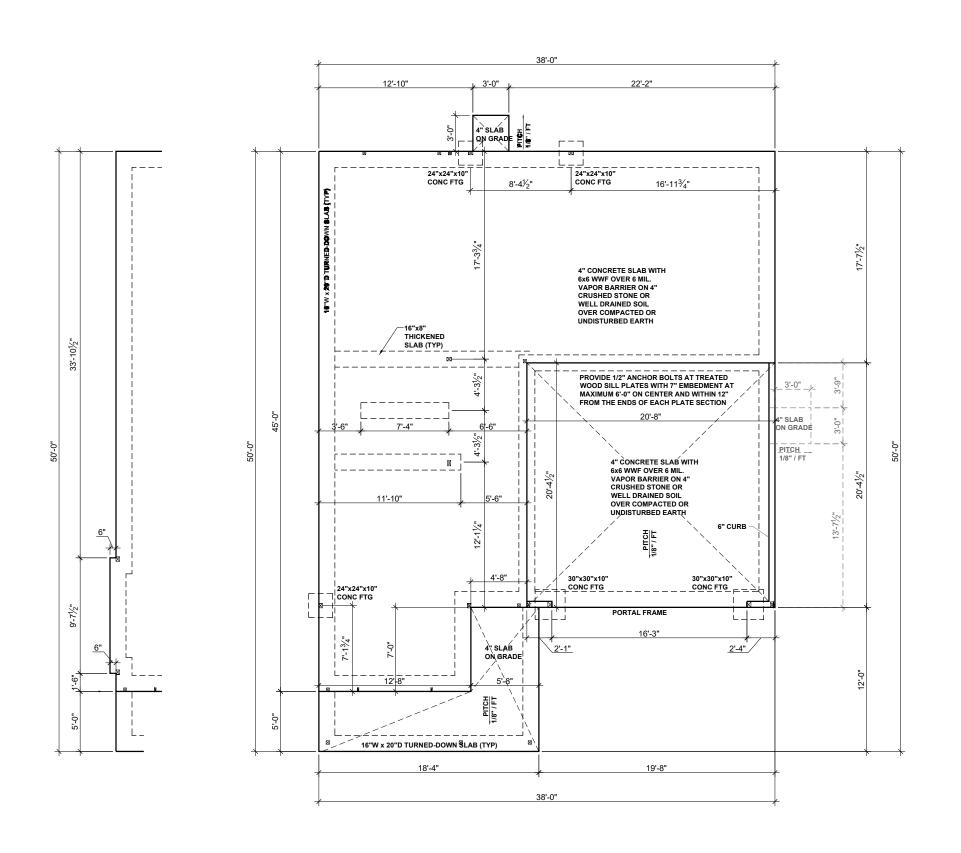
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GENERAL NOTES



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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ENGINEERING - SURVEYING - ENERGY 0 TY JERSEY CT, RALEIGH, NC 27617 919-480, IC LTING-NET; WWW.JDSCONSULTING.NET

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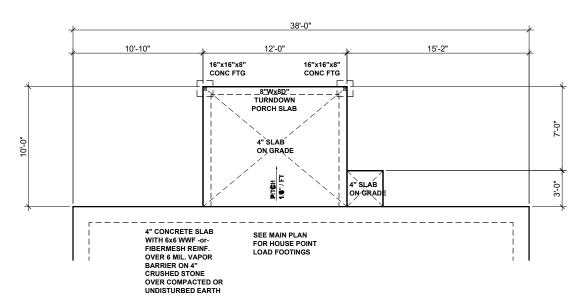
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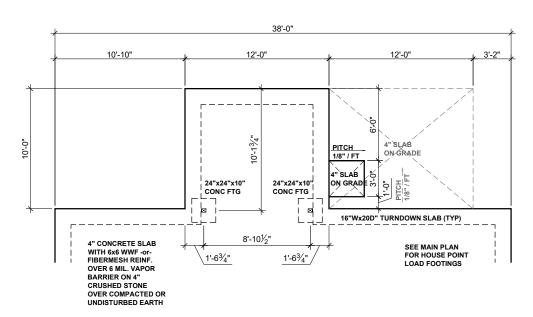
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SLAB FOUNDATION PLAN



# **SCREENED PORCH - MAT RALEIGH**



# **SUNROOM FOUNDATION**

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

# **SLAB FOUNDATION OPTIONS - CRAFTSMAN**

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

# 38'-0" 10'-10" 12'-0" 15'-2" 16"x16"x8" CONC FTG CONC FTG CONC FTG 4" SLAB ON GRADE 4" SLAB ON GRADE WITH 6x6 WWF-0rFIBERMESH REINF. OVER 6 MIL VAPOR BARRIER ON 4" SEE MAIN PLAN FOR HOUSE POINT LOAD FOOTINGS

# COVERED VERANDA - BOTH LOCATIONS SCREENED PORCH - MAT CHARLOTTE

CRUSHED STONE



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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Hamet

CAROLINA

SHENAND LOCATION:



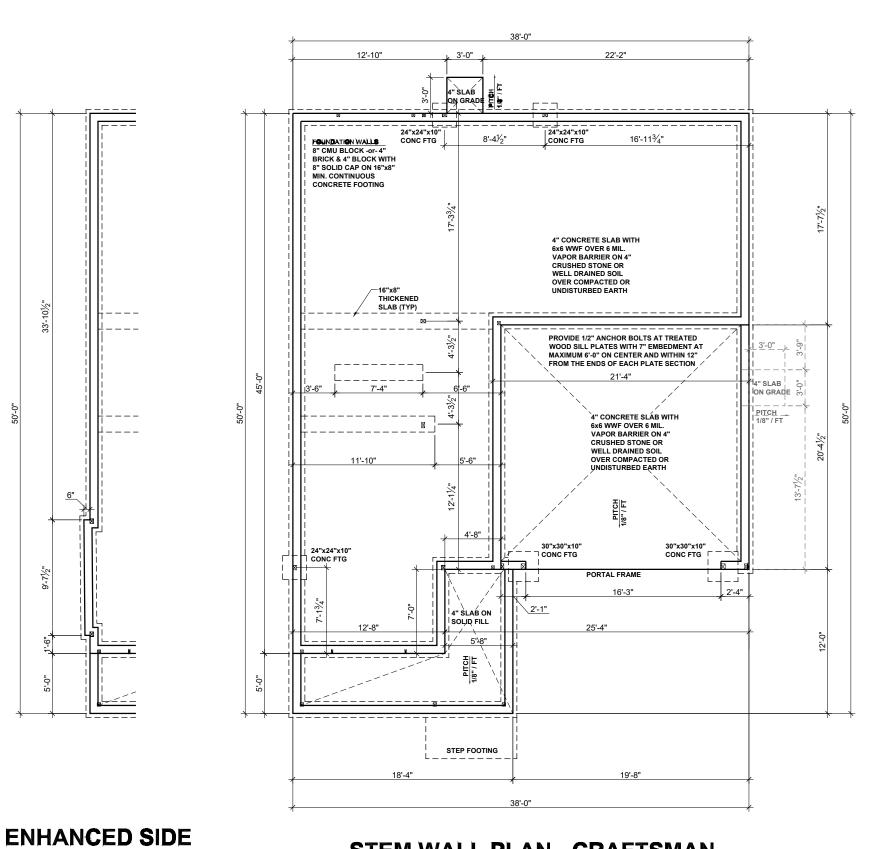
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DATE: 10/29/2021

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SLAB FOUNDATION OPTIONS



BEAM & POINT LOAD LEGEND:

LOAD BEARING WALL

ROOF RAFTER/TRUSS SUPPORT

OUBLE 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 SEAL - 045403 - 0454000 - 0454000 - 0454000 - 0454000 - 0454000 - 0454000 - 045400 -

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FYING - ENERGY
H, NC 27617 919,480,1075
ONSULTING, NET

DESIGN - ENGINEERING - SURVEYIN g PLLC; 8600 'D' JERSEY CT, RALEIGH, NC 2 JDSCONSULTING, NET; WWW.JDSCONSUL

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FOR 22x34 PAPER, OR AS NOT

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**MATTAMY HOMES** 

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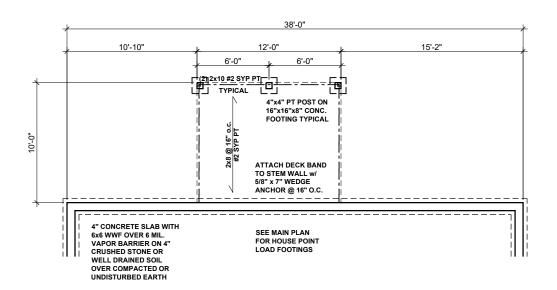
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STEM WALL FOUNDATION PLAN

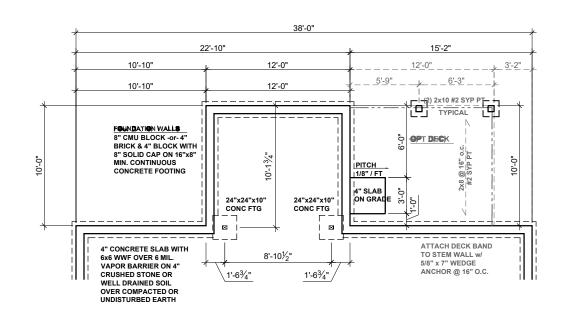
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**STEM WALL PLAN - CRAFTSMAN** 

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

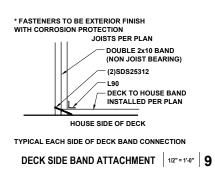


# **SCREENED PORCH - MAT RALEIGH**



# 10'-10" 12'-0" 6'-0" 6'-0" 6'-0" 6'-0" 4"x4" PT POST ON 16"x16"x8" CONC. FOOTING TYPICAL 4"x4" PT POST ON 16"x16"x8" CONC. FOOTING TYPICAL 4"CONCRETE SLAB WITH 16x6 WWF OVER 6 MIL. VAPOR BARRIER ON 4" CRUSHED STONE OR WELL DRAINED SOIL OVER COMPACTED OR

# COVERED VERANDA - BOTH LOCATIONS SCREENED PORCH - MAT CHARLOTTE



# **SUNROOM FOUNDATION**

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

# STEM WALL FOUNDATION OPTIONS - CRAFTSMAN

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



LOAD BEARING WALL

ROOF RAFTER/TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER

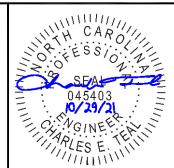
WINDOW / DOOR HEADER

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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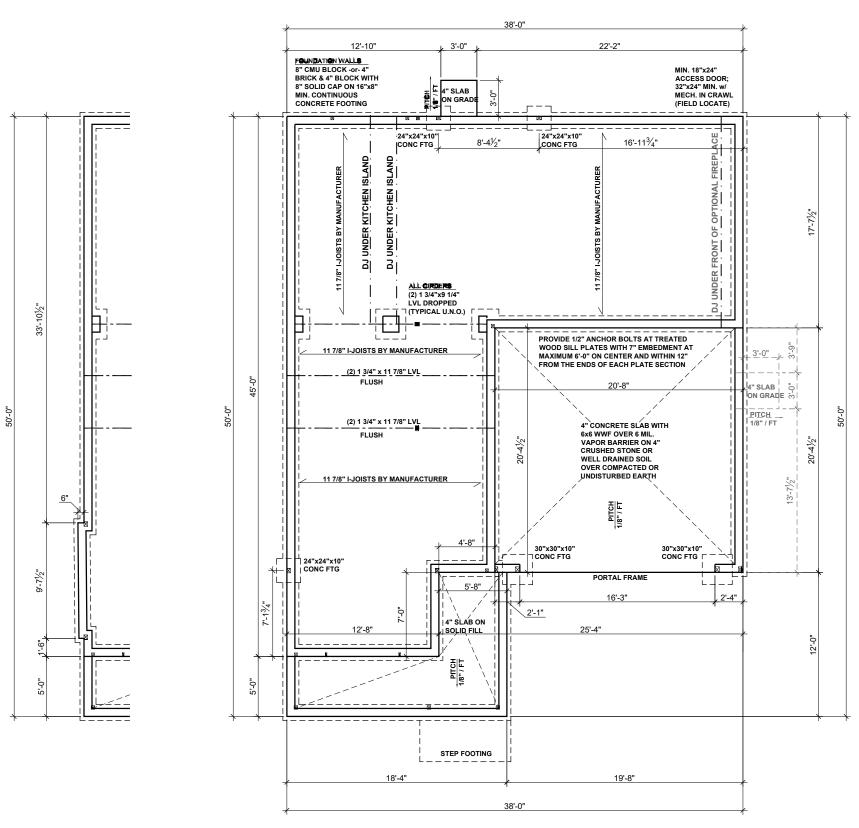
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STEM WALL FOUNDATION OPTIONS



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

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.

\_\_\_\_\_\_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:

 8/2E
 HGL LØW MASONRY
 SOLID MASONRY

 8x16
 UP TO 32" HIGH
 UP TO 5"-0" HIGH

 12x16
 UP TO 48" HIGH
 UP TO 9-0" HIGH

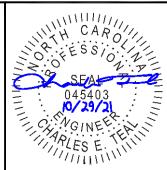
 16x16
 UP TO 64" HIGH
 UP TO 12"-0" HIGH

 24x24
 UP TO 96" HIGH
 UP TO 12"-0" 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.



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SEY CT, RALEIGH, NC 27617 919-480.1075
ET; WWW.JDSCONSULTING.NET

JDS Consulting PLLC; 8600 'D' J INFO@JDSCONSULTING

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-0" FOR 22x34 PAPER,

TH CAROLIN

SHENA LOCATION: NORT



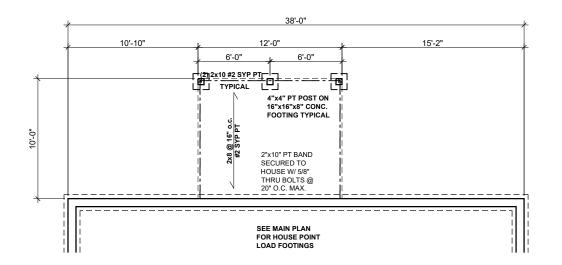
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CRAWL SPACE FOUNDATION PLAN



# 10'-10" (2))2x10 #2 SYP PT 4"x4" PT POST ON 16"x16"x8" CONC. 2"x10" PT BAND SECURED TO HOUSE W/ 5/8" THRU BOLTS @ 20" O.C. MAX SEE MAIN PLAN FOR HOUSE POINT LOAD FOOTINGS

LOAD BEARING WALL - - ROOF RAFTER/TRUSS SUPPORT DOUBLE RAFTER / DOUBLE JOIST

STRUCTURAL BEAM / GIRDER 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: 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.

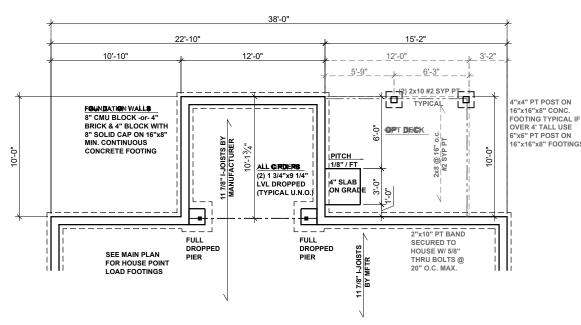
EXCEPTION: THE TOTAL AREA OF VENTILATION MAY BE REDUCED TO 1/1500 OF THE UNDERFLOOR AREA WHERE THE GROUND SURFACE IS TREATED WITH AN APPROVED VAPOR RETARDER MATERIAL AND THE REQUIRED OPENINGS ARE PLACED SO AS TO

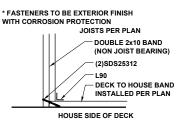
120 SQUARE FEET OF TOTAL CRAWL SPACE /

SQUARE FEET OF NET-FREE VENTILATION REQUIRED

# **SCREENED PORCH - MAT RALEIGH**

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





TYPICAL EACH SIDE OF DECK BAND CONNECTION

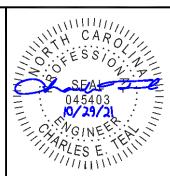
DECK SIDE BAND ATTACHMENT | 1/2" = 1'-0" | 9

# **SUNROOM FOUNDATION**

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

# **CRAWL SPACE FOUNDATION OPTIONS - CRAFTSMAN**

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



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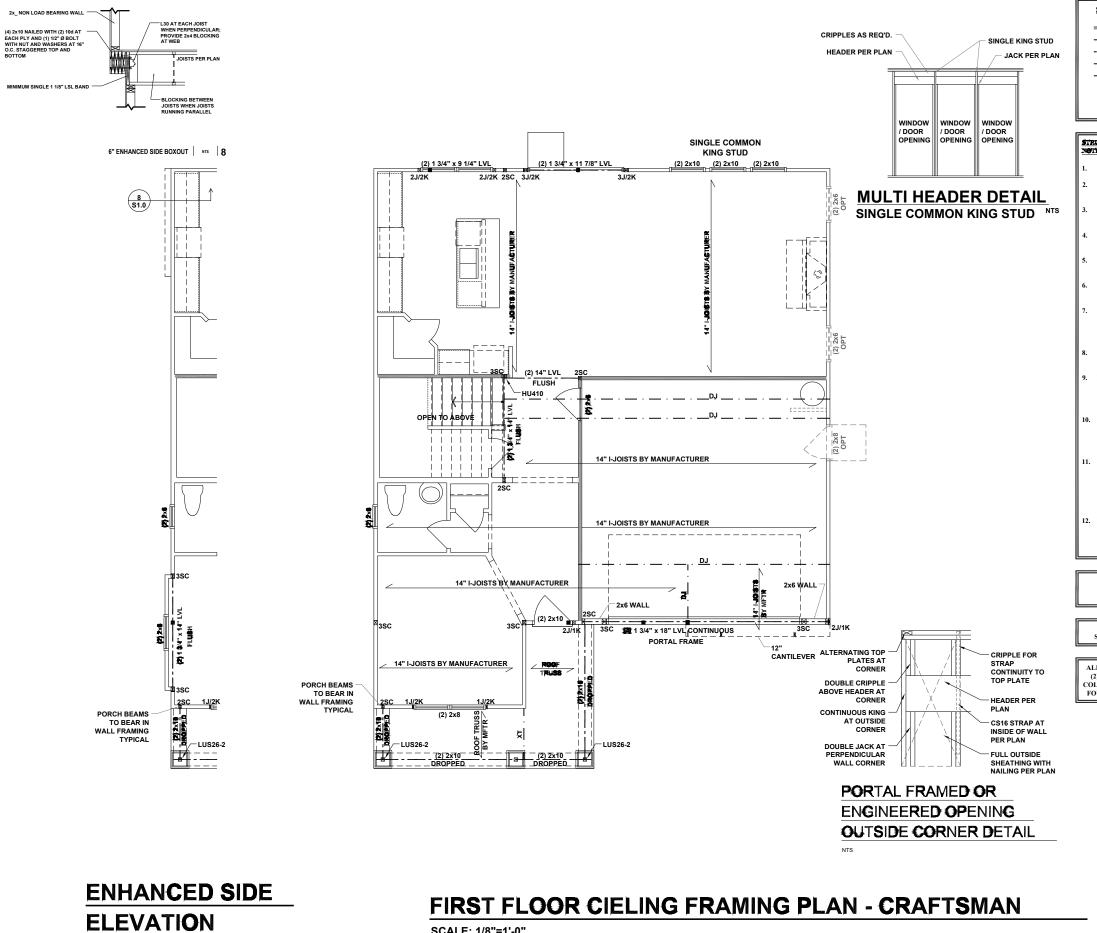


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CRAWL SPACE FOUNDATION OPTIONS

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LOAD BEARING WALL — - — ROOF RAFTER/TRUSS SUPPORT

DOUBLE RAFTER / DOUBLE JOIST STRUCTURAL BEAM / GIRDER POINT LOAD TRANSFER

POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER

# Structural framing notes - see general notes sheet for additional requirements

- 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.
- (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
- 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 MANUFACTURER'S SPECIFICATIONS)
- 2. FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC. 6" MAX FROM PLATES, ON BOTH FACES OF COLUMN (INTERIOR WALL).

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

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, 19.2" OC MAXIMUM SPACING

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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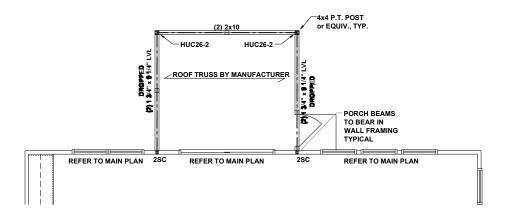
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FIRST FLOOR I-JOIST CEILING FRAMING PLAN

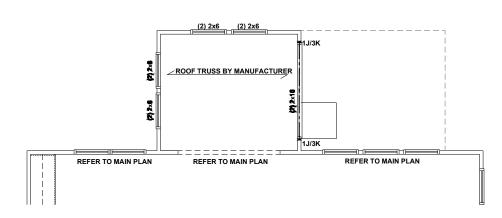
SCALE: 1/8"=1'-0"



# -4x4 P T POST (2) 2x10 PORCH BEAMS TO BEAR IN WALL FRAMING TYPICAL REFER TO MAIN PLAN 2SC REFER TO MAIN PLAN REFER TO MAIN PLAN

# **SCREENED PORCH - MAT RALEIGH**

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



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

# FIRST FLOOR CEILING FRAMING OPTIONS - CRAFTSMAN

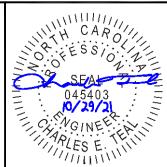
SCALE: 1/8"=1'-0"

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

# Structural framing notes - see general notes sheet for additional requirements

- 2. 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.
- (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
- 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 MANUFACTURER'S SPECIFICATIONS).
- 2. FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" OC, 6" MAX FROM PLATES, ON BOTH FACES OF COLUMN (INTERIOR WALL).

SEE FULL PLAN FOR ADDITIONAL INFORMATION



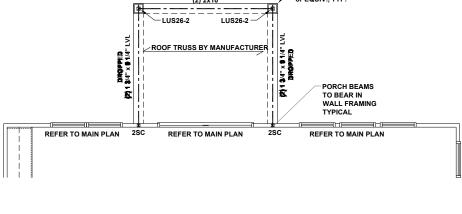
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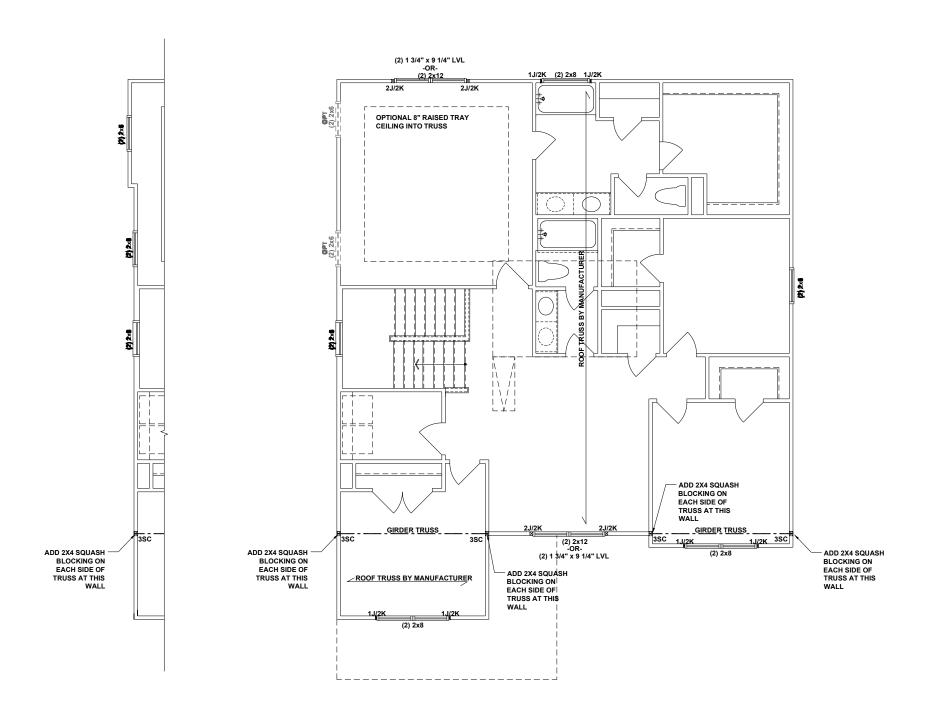
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FIRST FLOOR I-JOIST CEILING FRAMING OPTIONS





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

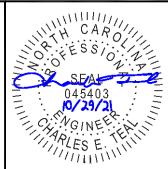
POINT LOAD FROM ABOVE
BEARING ON BEAM / GIRDER

STRUCTURAL KRAMING NOTES - SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS:

. ALL FRAMING TO BE #2 SPF MINIMUM.

- 2. 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.
- 5. PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.
- 6. ALL HANGERS AND CONNECTORS SPECIFIED ARE TO BE SIMPSON STRONG-TIE OR EQUIVALENT.
- 7. ALL BEAMS SPECIFIED ARE MINIMUM SIZES ONLY LARGER MEMBERS MAY SUBSTITUTED AS NEEDED FOR EASE OF CONSTRUCTION. MINIMUM BEAM SUPPORT IS (1) 2x4 STUD.
- 8. ALL EXTERIOR WALLS TO BE FULLY SHEATHED WITH 7/16" OSB.
- 9. 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.
- DORCH 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.
- 11. WHEN A 4-PLY LVL IS USED, ATTACH WITH (I) 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 CSI6 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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Consulting

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**MATTAMY HOMES** 

OLINA

ORTH CAROL

STEL



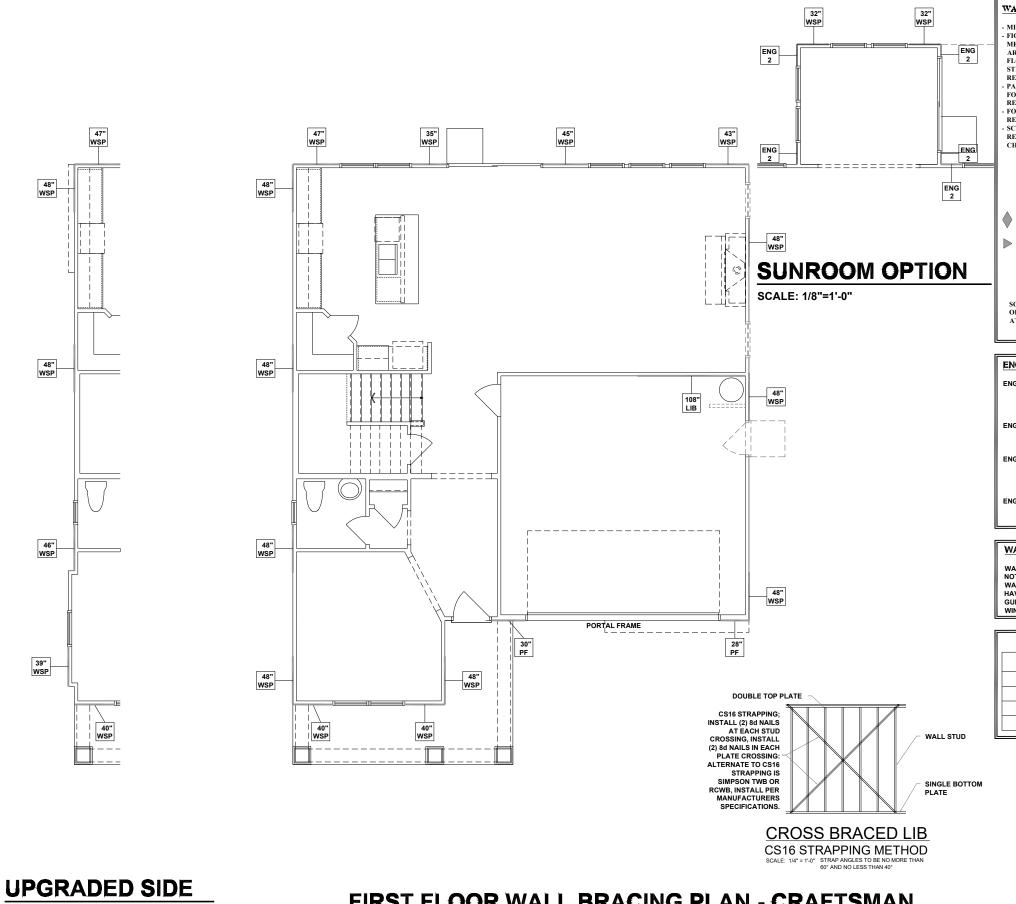
OJECT NO.: **21901788** 

DATE: 10/29/2021

ABS

SECOND FLOOR CEILING FRAMING PLAN

**S2.0** 



WALL BRACING REQUIREMENTS

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.

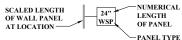
- PANELS MAY SHIFT UP TO 36" EITHER DIRECTION FOR EASE OF CONSTRUCTION (NAILING & BLOCK REQUIREMENTS STILL APPLY). - FOR ADDITIONAL WALL BRACING INFORMATION, REFER TO WALL BRACING DETAIL SHEET(S).

- 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 HTT4 FOR ATTACHMENT TO CONCRETE.



### 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

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

#### DES WITH 8d NAILS @ 4" OC EDGE

AND 8" OC FIELD. FULLY BLOCKED AT ALL

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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10/29/2021

**MATTAMY HOMES** 

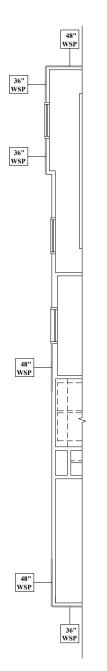
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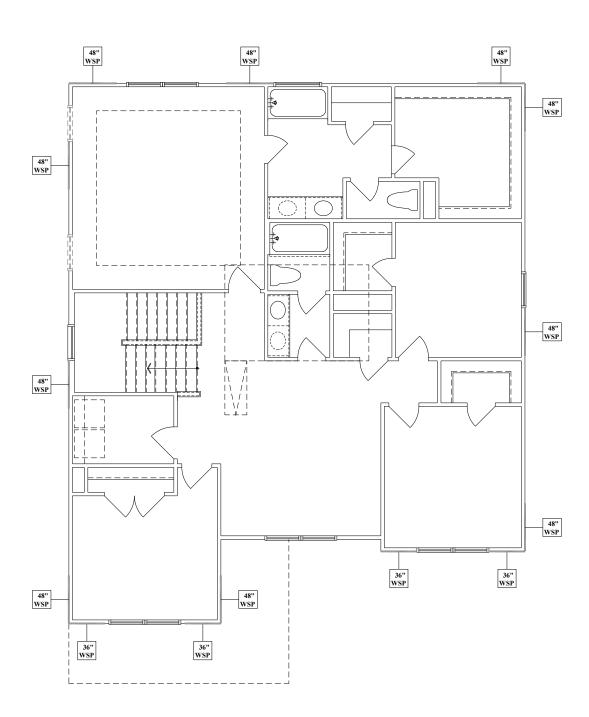
FIRST FLOOR WALL BRACING PLAN

FIRST FLOOR WALL BRACING PLAN - CRAFTSMAN

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

**ELEVATION** 





UPGRADED SIDE ELEVATION

# SECOND FLOOR WALL BRACING PLAN - CRAFTSMAN

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

### WALL BRACING REQUIREMENTS

- MINIMUM PANEL WIDTH IS 24"
- MINIMUM PANEL WIDTH 15 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.
- REL / ANGLE.

   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 MSTAIS HOLD DOWN CAPACITY OF 970 POUNDS PER ANCHOR WITH (12) 100 NAILS. STRAP TO BE LOCATED AT EDGE OF BRACED WALL PANEL. (CSI6 STRAPPING MAY BE SUBSTITUTED W/SIMILAR LENGTH AND NAILING PATTERN.) USE HT14 FOR ATTACHMENT TO CONCRETE.

SCALED LENGTH
OF WALL PANEL
AT LOCATION

SCALED LENGTH
OF PANEL
PANEL TYPE

### 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 CUIDELINES ESTABLISHED IN ASCE-07 AND THE NDS: WIND & SEISMIC PROVISIONS SUPPLEMENT.

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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Harnett County C

OLINA

ER 1/4" = 1'-0" FOR 22x34 PAPER. OR

TH CADOLINI

LOCATION:



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DATE: DRAWN BY: ABS

# BUT NOT MORE THAN 80% OF THE REQUIRED VENTILATION BE LOCATED IN THE UPPER PORTION OF **REAR** THE AREA TO BE VENTILATED, OR AT LEAST 3' ABOVE THE SOFFIT VENTILATION INTAKE. **OPTIONS** ROOF TRUSS BY MANUFACTURER 120 SQUARE FEET OF TOTAL ATTIC / 150 = 0.80 \_ SQUARE FEET OF NET-FREE VENTILATION GIRDER TRUSS 5:12 ROOF TRUSS 5:12 5:12

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%

UPGRADED SIDE ELEVATION

5:12

**ROOF 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

### TRUSSED ROOF - STRUCTURAL NOTES

 PROVIDE CONTINUOUS BLOCKING THROUGH STRUCTURE FOR ALL POINT LOADS.

2.

DENOTES OVER-FRAMED AREA

- 3. MINIMUM 7/16" OSB ROOF SHEATHING
- 4. 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.
- 6. PROVIDE H2.5A (MINIMUM) OR EQUIVALENT AT EACH TRUSS-TO-TOP PLATE CONNECTION AT OVER-FRAMED AREAS, UNLESS NOTED OTHERWISE.
- 7. UPLIFT CONNECTION TO BE CARRIED THROUGH TO FLOOR SYSTEM.

### ATTIC VENTILATION

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.

\_\_\_\_\_1,545\_\_\_ SQUARE FEET OF TOTAL ATTIC / 150 =

\_\_\_\_\_10.3 \_\_\_ SQUARE FEET OF NET-FREE VENTILATION REQUIRED

### TRUSS UPLIFT CONNECTORS: EXPOSURE 5,116 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.

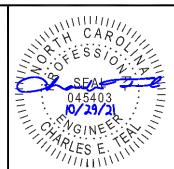
UP TO 28'

NAILING PER TABLE 602.3(1) NCRBC 2018 EDITION

OVER 28'

(1) SIMPSON H2.5A HURRICANE CLIP TO DBL TOP PLATE OR

OR (1) SIMPSON H3 CLIP TO SINGLE 2x4 PLATE



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Consulting PLLC; 8600 'D JERSEY CT, RAI INFO@JDSCONSULTING.NET; WWW.

JDS Consulting PLI CONSTRUCTION N BY CONTRACTION N

ROLINA

ORTH CARO

SHENA LOCATION: NORT



21901788

DATE: 10/29/2021

ABS

ROOF FRAMING PLAN

**S6.0**