

PLANS FOR: Lot 49, Riverfall



MATTAMY HOMES - ALLEGHENY LH



MATTAMY HOMES
CHARLOTTE DIVISION
PH: 704-375-9373

MATTAMY HOMES
RALEIGH DIVISION
PH: 919-752-4898



JDS Consulting PLLC, 543 PYLON DRIVE, RALEIGH, NC 27606 919.480.1075
 INFO@JDSCONSULTING.NET; WWW.JDSCONSULTING.NET

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ABBREVIATION LEGEND								PLAN SET COMPOSITION		ELEVATION	
AB	Anchor Bolt	EQ	Equal	MIN	Minimum	SQ	Square	PAGE #	LAYOUT	TITLE SHEET AND REVISION LOG	
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/	PVC	Polyvinyl Chloride	VF	Vinyl Flooring				
CONT	Continuous/ Continue		Air Conditioning	PVMT	Pavement	VJ	V(ee) Joint				
CORR	Corridor	ID	Inside Diameter	QT	Quarry Tile	VNR	Veneer				
CPB	Carpet Base	INCL	Include(d)	R	Radius	VWC	Vinyl Wall Covering				
CPT	Carpet	INSUL	Insulate/ Insulation	R	Riser	WB	Wood Base				
CSMT	Casement	INT	Interior	RA	Return Air	WD	Wood				
CT	Ceramic Tile	INV	Invert	RB	Rubber Base	WDW	Window				
CTR	Center	J-Box	Junction Box	RCP	Reinforced Concrete Pipe	WGL	Wired Glass				
CU FT	Cubic Foot	JST	Joist	RD	Roof Drain	WH	Water Heater				
CU YD	Cubic Yard	JT	Joint	REF	Reference	WM	Wire Mesh				
CWT	Ceramic Wall Tile	Kit	Kitchen	REFR	Refrigerator	W/O	Without				
DBL	Double	L	Length	REINF	Reinforced	WPT	Working Point				
DH	Double Hung	LAM	Laminate	REQD	Required	WSC	Wainscot				
DIA	Diameter	LB	Lag Bolt	RESIL	Resilient	WT	Wall Tile				
DIAG	Diagonal	LH	Left Hand	RET	Return	WT	Weight				
DIM	Dimension	LT	Light	REV	Revision	WWF	Welded Wire Fabric				
DISP.	Garbage Disposal	LTL	Lintel	RFG	Roofing						
DJ	Double Joist	LT WT	Light Weight	RM	Room	℄	Center Line				
DN	Down	LVL	Laminated Veneer Lumber	RO	Rough Opening	C	Channel				
DP	Deep	LVR	Louver	ROW	Right of Way	PL	Plate				
DS	Downspout	M	Meter	RVS	Reverse	±	Plus or Minus				
DTL	Detail	MAS	Masonry	SCHED	Schedule	℄	Property Line				
DWG	Drawing	MATL	Material	SD	Storm Drain						
DWR	Drawer	MAX	Maximum	SECT	Section						
EA	Each	MC	Medicine Cabinet	SF	Square Foot						
EJ	Expansion Joint	MECH	Mechanical	SHT	Sheet						
ELEC	Electric	MED	Medium	SHT GL	Sheet Glass						
ELEV	Elevation	MEMB	Membrane	SHWR	Shower						
EMER	Emergency	MFR	Manufacture(er)(ing)	SIM	Similar						
EPB	Electric Panel Board	MH	Man Hole	SPEC	Specification						

FRENCH COUNTRY	
CODE	
2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE	

SQUARE FOOTAGES	
	Elevation "FC"
MAIN FLOOR LIVING	2100
TOTAL LIVING	2100
GARAGE	460
PORCH	82
PLAN OPTIONS	
PPO - COVERED VERANDA	+120
PPO - SCREEN PORCH	+120
PPO - MORNING ROOM	+120
PPO - THIRD CAR GARAGE	+227
OPT. GRILL DECK/PATIO	+36

MATTAMY HOMES

ALLEGHENY - LH

NORTH CAROLINA

SCALE: 1/8" = 1'-0" FOR 11 x 7 PAPER, 1/4" = 1'-0" FOR 22 x 34 PAPER, OR AS NOTED

PROJECT NO.:
25901010

DATE: 04/07/2025	DRAWN BY: CAR
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TITLE SHEET

T1.0

[illegible]

NORTH CAROLINA

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

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T1.1

North Carolina INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT (note a)										
CLIMATE ZONE	FENESTRATION <i>U</i> -FACTOR (notes b, j)	SKYLIGHT <i>U</i> -FACTOR (note b)	GLAZED FENESTRATION SHGC (notes b, k)	CEILING <i>R</i> -VALUE (note m)	WOOD FRAME WALL <i>R</i> -VALUE	MASS WALL <i>R</i> -VALUE (note i)	FLOOR <i>R</i> -VALUE	BASEMENT WALL <i>R</i> -VALUE (notes c, o)	SLAB <i>R</i> -VALUE AND DEPTH (note d)	CRAWL SPACE WALL <i>R</i> -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.

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.

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.



MATTAMY HOMES
CHARLOTTE DIVISION
PH: 704-375-9373

MATTAMY HOMES
RALEIGH DIVISION
PH: 919-752-4898



JDS Consulting
ENGINEERING • DESIGN • ENERGY

JDS Consulting PLLC: 543 PYLON DRIVE, RALEIGH, NC 27666 919-480-1075
INFO@JDSCONSULTING.NET; WWW.JDSCONSULTING.NET

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CLIENT:
MATTAMY HOMES

PROJECT:
ALLEGHENY - LH

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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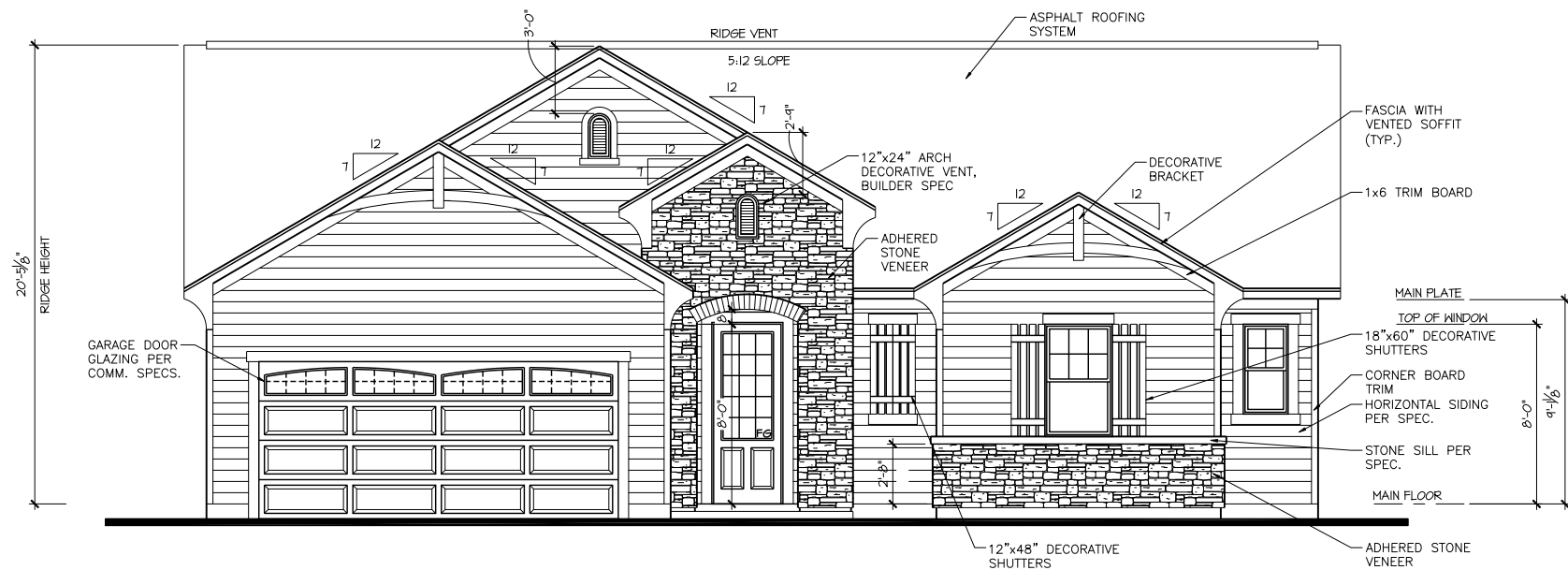
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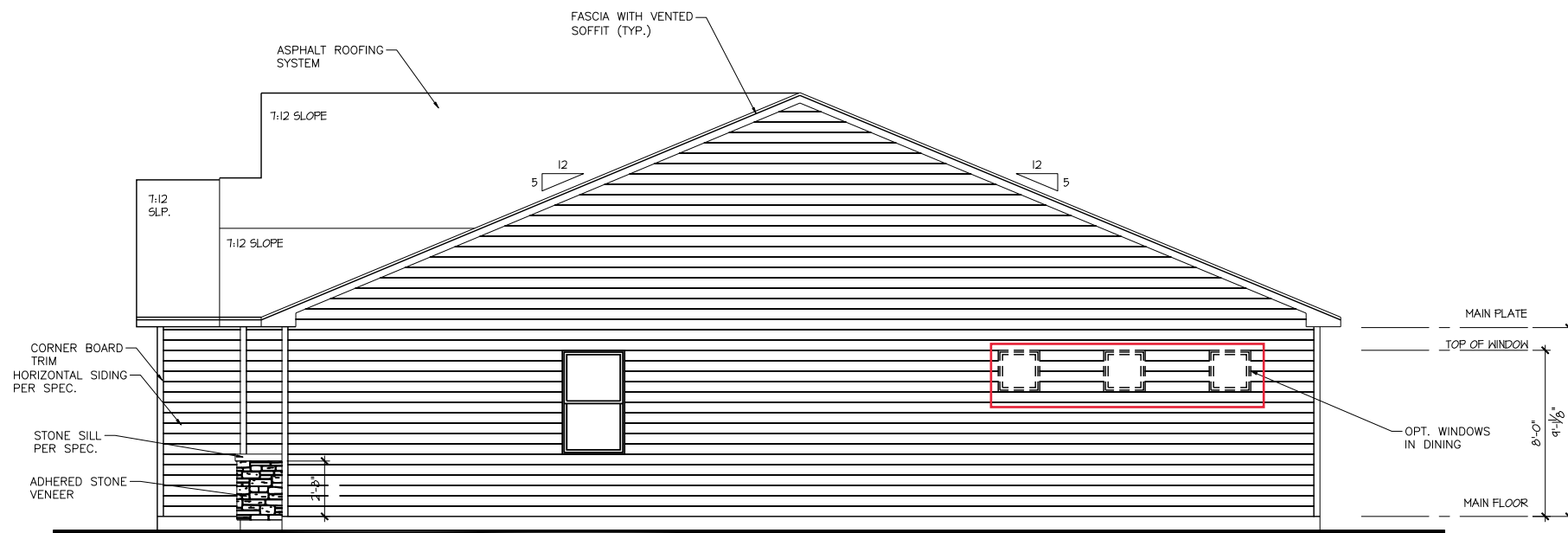
GENERAL NOTES

T1.3

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



FRONT ELEVATION - FRENCH COUNTRY



RIGHT SIDE ELEVATION -
FRENCH COUNTRY



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EXTERIOR ELEVATIONS

0.10

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



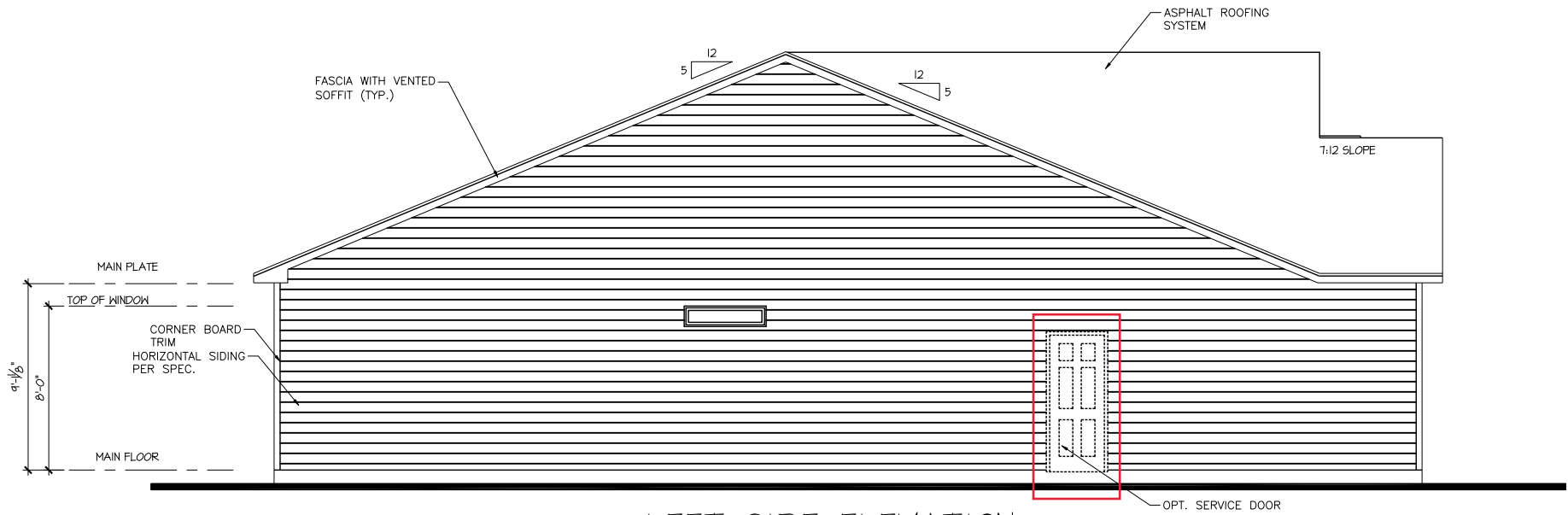
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CHARLOTTE DIVISION
PH: 704-375-9373

MATTAMY HOMES
RALEIGH DIVISION
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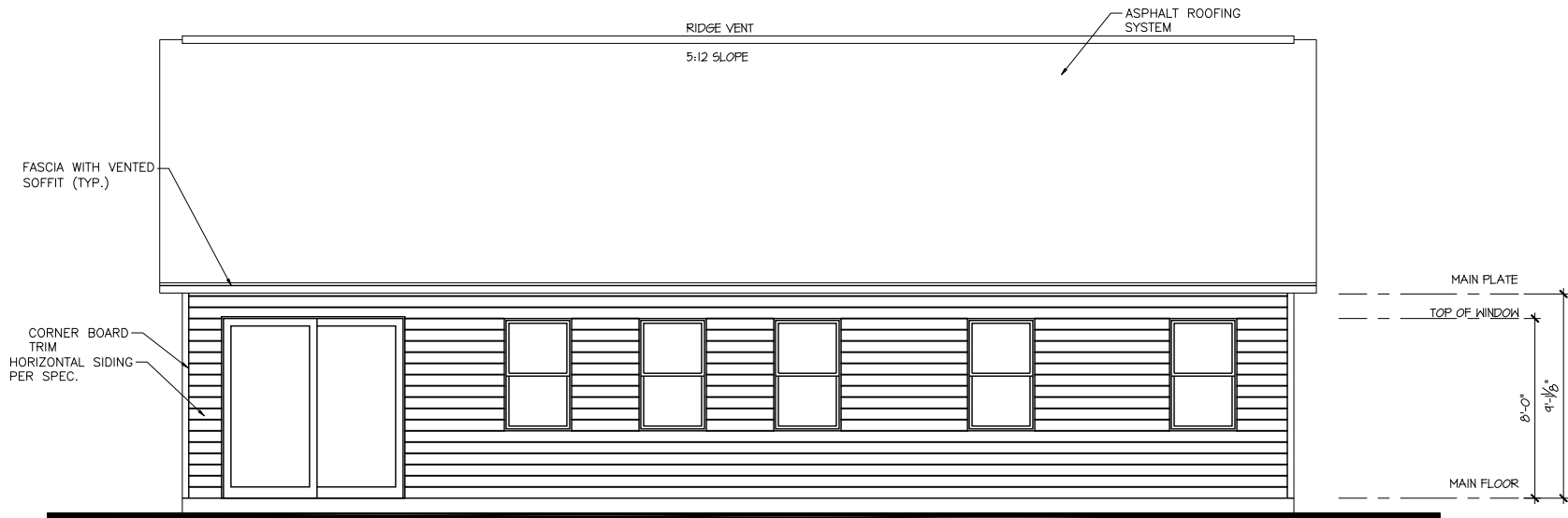


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LEFT SIDE ELEVATION -
FRENCH COUNTRY



REAR ELEVATION - FRENCH COUNTRY

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EXTERIOR ELEVATIONS

0.11

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



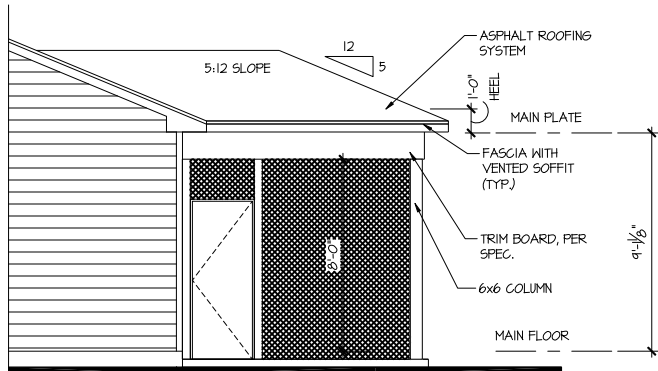
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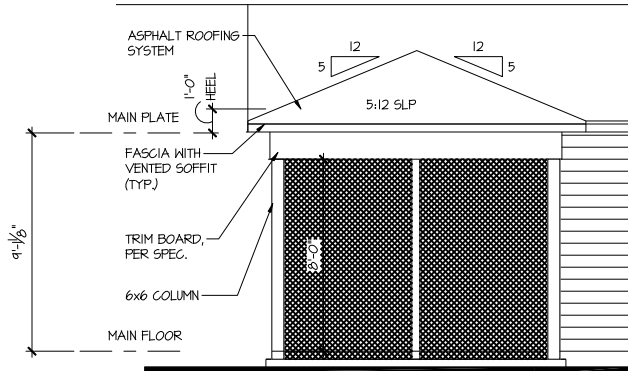


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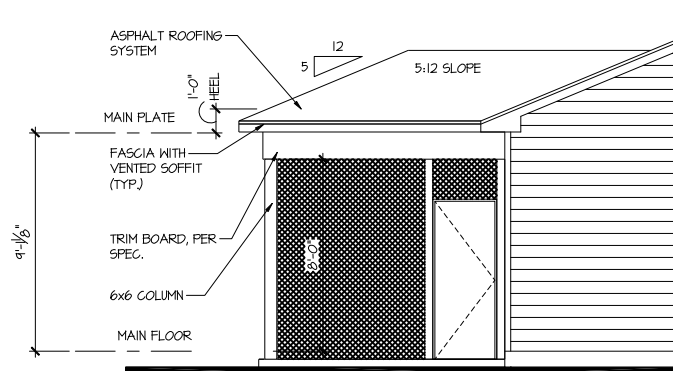
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PPO - LEFT SIDE ELEVATION -
SCREENED PORCH (RALEIGH)



PPO - REAR ELEVATION -
SCREENED PORCH (RALEIGH)



PPO - RIGHT SIDE ELEVATION -
SCREENED PORCH (RALEIGH)

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EXTERIOR ELEVATIONS

0.12

Stand-In Shower w/ Seat PPO

Screen Porch PPO

Add 3 Optional 2020
Windows in Dining Room

Gourmet Kitchen PPO

Bed 3 ILO Flex PPO

Pedestrian Door w/
4'x4' Concrete Pad

- FLOOR PLAN NOTES
1.

ALL FRAMED OPENINGS (F.O.) @ 84" ON 8'H PLATES AND 96" ON 9'H PLATES.
2.

REFER TO COMMUNITY SPECIFICATIONS FOR NUMBER OF PANTRY & LINEN SHELVES.
3.

REFER TO GARAGE FRAMING DETAIL ON SHT. MISC3 FOR GOAL POST FRAMING.
4.

ALL STUD POCKETS TO BE 4 1/2" (3) STUDS U.N.O.
5.

ALL STUDS BEHIND SHOWER STALLS @ 16" O.C.
6.

DOOR HEIGHTS PER COMMUNITY SPECIFICATIONS U.N.O.

mattamyHOMES

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CHARLOTTE DIVISION

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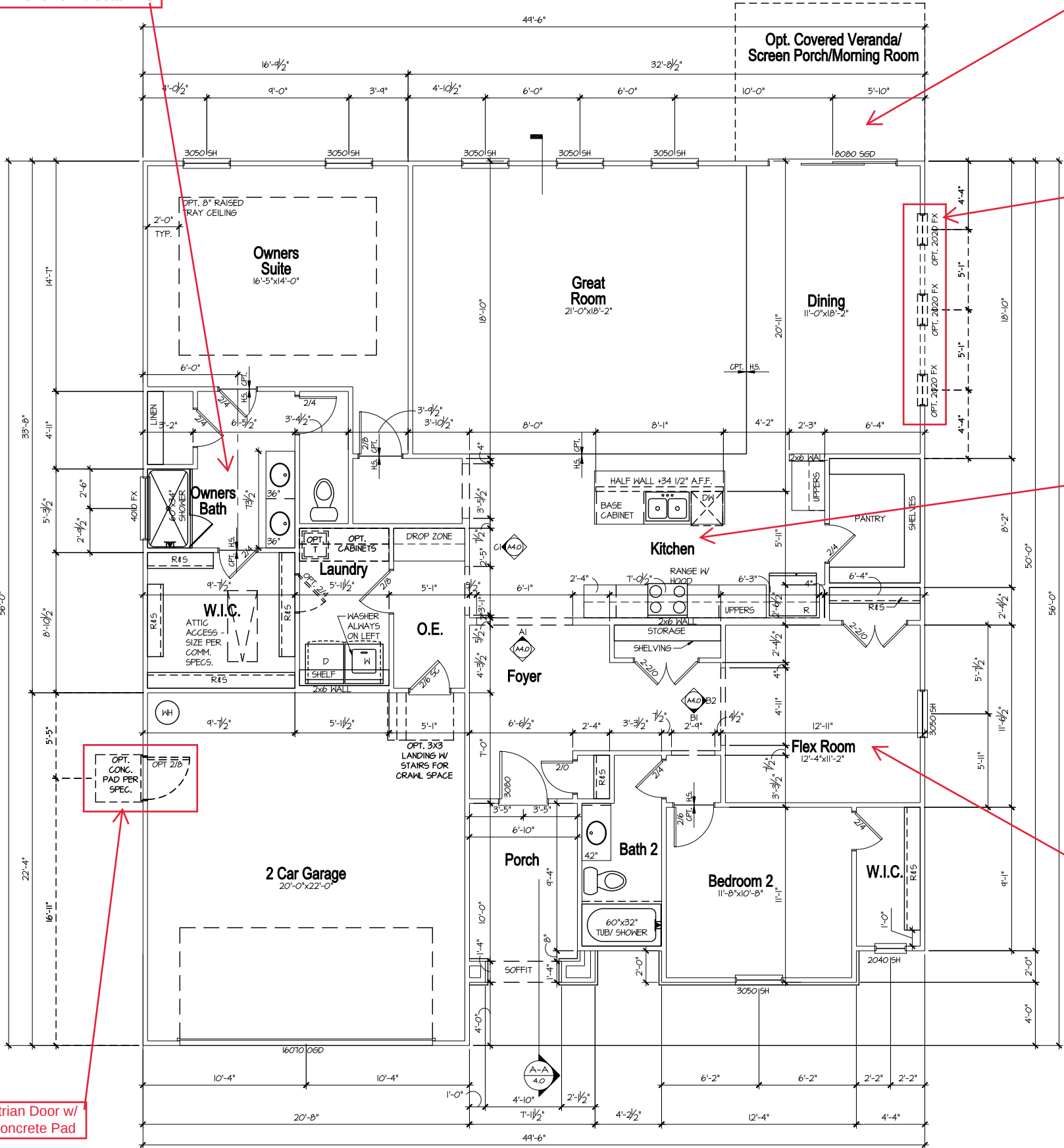
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MAIN FLOOR PLAN

1.0



GROUND FLOOR PLAN -
FRENCH COUNTRY



- ### FLOOR PLAN NOTES

1. ALL FRAMED OPENINGS (F.O.) @ 84" ON 8'H PLATES AND 96" ON 9'H PLATES.
2. REFER TO COMMUNITY SPECIFICATIONS FOR NUMBER OF PANTRY & LINEN SHELVES.
3. REFER TO GARAGE FRAMING DETAIL ON SHT. MISC3 FOR GOAL POST FRAMING.
4. ALL STUD POCKETS TO BE 4 1/2" (3) STUDS U.N.O.
5. ALL STUDS BEHIND SHOWER STALLS @ 16" O.C.
6. DOOR HEIGHTS PER COMMUNITY SPECIFICATIONS U.N.O.



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PPO - OWNER'S BATH -
STAND-IN SHOWER W/
SEAT

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PROJECT: **ALLEGHENY - LH**

NORTH CAROLINA

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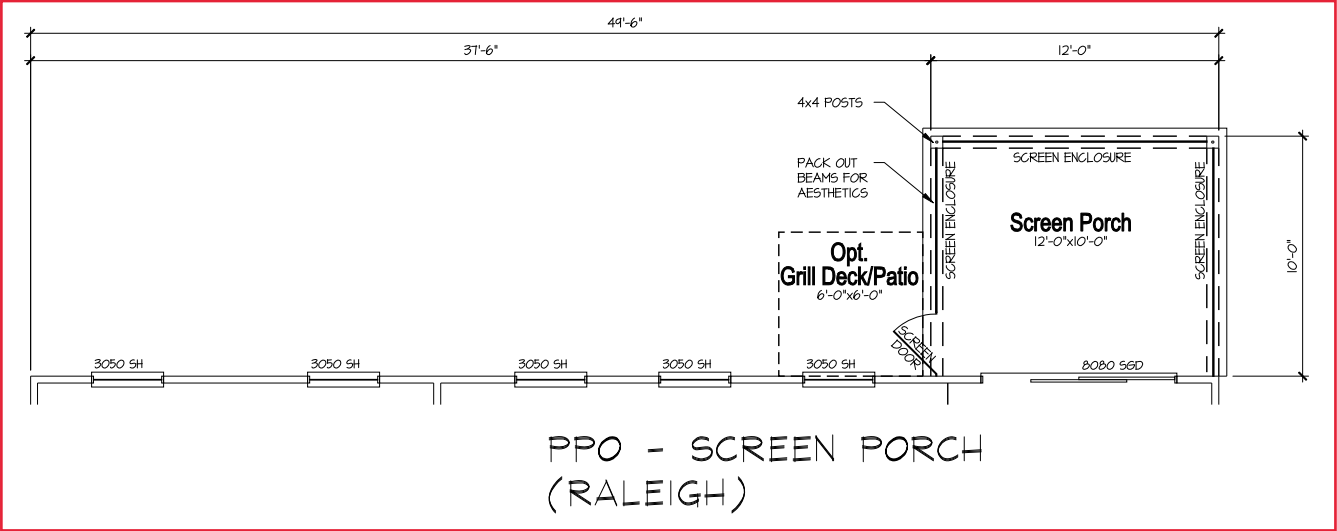
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MAIN FLOOR PLAN W/ PPO
UPPER FLOOR PLAN

1.1



FLOOR PLAN NOTES

1. ALL FRAMED OPENINGS (F.O.) @ 84" ON 8'H PLATES AND 96" ON 9'H PLATES.
2. REFER TO COMMUNITY SPECIFICATIONS FOR NUMBER OF PANTRY & LINEN SHELVES.
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MAIN FLOOR PLAN OPTIONS

1.2



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JDS Consulting LLC, 543 PYLON DRIVE, RALEIGH, NC 27606 919.480.1075
INFO@JDSCONSULTING.NET; WWW.JDSCONSULTING.NET

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CLIENT: MATTAMY HOMES

PROJECT: ALLEGHENY - LH

LOCATION: NORTH CAROLINA

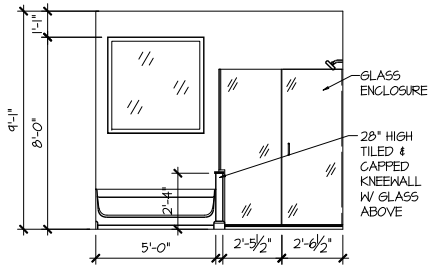
SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

PROJECT NO.: 25901010

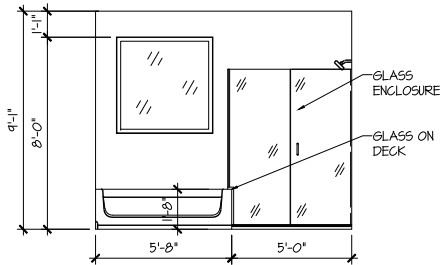
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SECTIONS & DETAILS

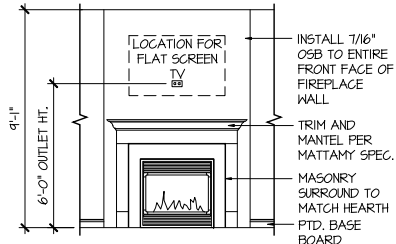
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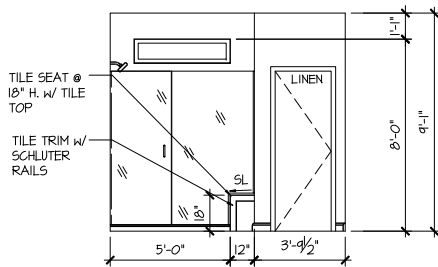
P3a Owner's Bath
Slide-In Tub



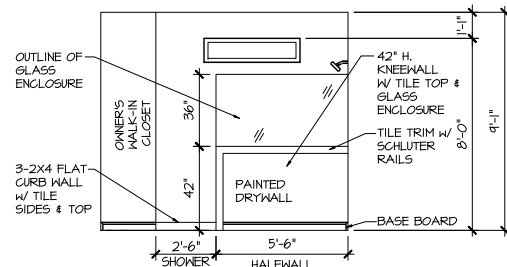
P3b Owner's Bath
Drop-In Tub



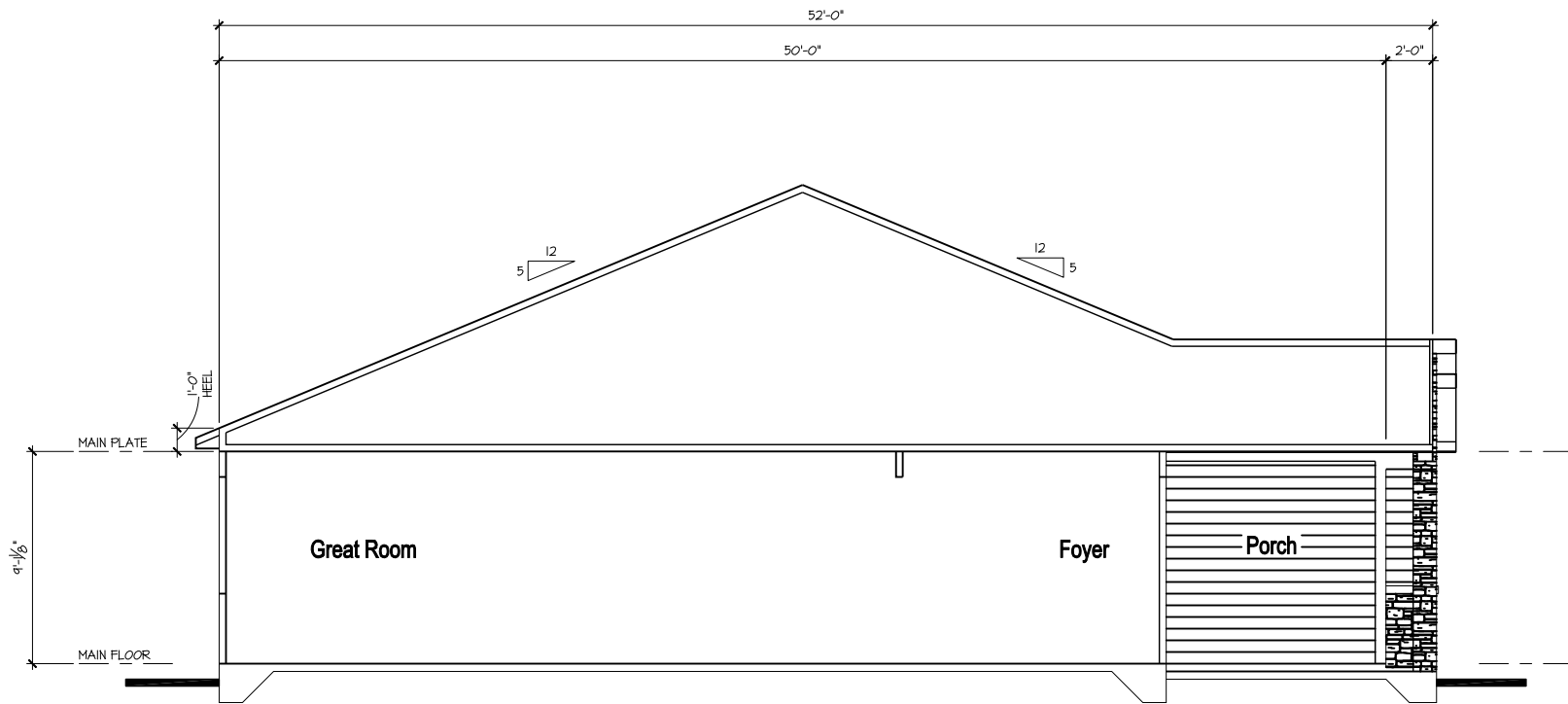
P1 Gathering Room
Gas Fireplace



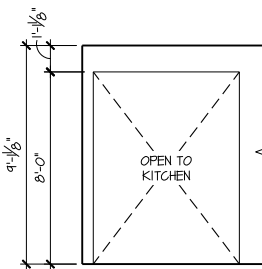
P3c Owner's Bath
Stand-In Shower w/ Seat



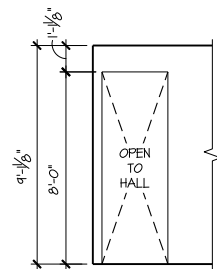
P3d Owner's Bath
Super Shower



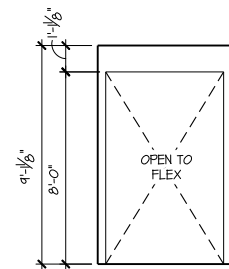
A-A



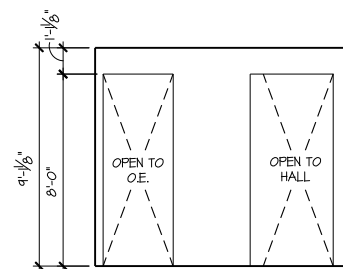
A1 Foyer



B1 Foyer



B2 Foyer



C1 Kitchen

STRUCTURAL PLANS FOR:



MATTAMY HOMES - ALLEGHENY LH



P-0961



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PLAN RELEASE / REVISIONS			
REV. DATE	ARCH PLAN VERSION	REVISION DESCRIPTION	DRFT
09/09/2022	ALLEGHENY	UPDATED STR BACKGROUNDS FROM ARCHITECTURAL CHANGES. REMOVED LOFT OPTION (ALLEGHENY - RANCH ONLY PLAN). ADDED OPTIONAL FLOOR TRUSS INFORMATION.	VLТ
10/20/2022	ALLEGHENY	UPDATED STRUCTURAL BACKGROUND. UPDATED FRENCH COUNTRY STRUCTURAL AT PORCH	VLТ
05/26/2023	ALLEGHENY	ADDED SIDE LOAD & THIRD CAR STRUCTURAL INFORMATION. RENAMED COVERED PORCH TO COVERED VERANDA.	VLТ
02/05/2024	ALLEGHENY	REVISED REAR SCREENED AND COVERED PORCH ENGINEERING TO SHOW (2) 2X12 ALL THE WAY AROUND. ADDED EXTRA FLOOR JOIST ON CRAWL FOUNDATION. REMOVED CONCRETE PAD SIZE AT GARAGE SERVICE DOOR. REVISED THIRD CAR GARAGE FRAMING - REDUCED THE OPENING BETWEEN THE SECOND AND THIRD CAR GARAGE TO REDUCE THE LVL SIZE. REVISED FRONT PORCH STEP PAD WIDTH ON STEM WALL AND CRAWL FOUNDATIONS.	VLТ
08/20/2024	ALLEGHENY	ADDED OPTIONAL GRILL DECK TO COVERED VERANDA & SCREEN PORCH FOUNDATIONS. ADDED MORNING ROOM WALL BRACING	VLТ
04/07/2025	ALLEGHENY	MOVED PULL DOWN STAIRS FROM GARAGE TO OWNER'S WALK IN CLOSET. REVISED BEAM AT BETWEEN TWO CAR AND THREE CAR GARAGE TO BE A STRUCTURAL END GABLE TRUSS. ADDED WELDED WIRE FABRIC NOTE TO GENERAL NOTES.	VLТ

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 BLOCK.

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

ENGINEERING - DESIGN - ENERGY

543 PYLON DRIVE

RALEIGH, NC 27606

FIRM LIC. NO: P-0961

PROJECT REFERENCE: 25901010

CLIENT:
MATTAMY HOMES

PROJECT:
ALLEGHENY - LH

LOCATION:
NORTH CAROLINA

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



PROJECT NO.:
25901010

DATE:
04/07/2025

DRAWN BY:
VLТ

TITLE SHEET

SN1.0

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	UP TO 120 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
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) AND R301.2(3) 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	MFR	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)** 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 R405**.
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 R405**.
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.

USE OF WELDED WIRE FABRIC (WWF) IN TURNED DOWN OR STEM WALL SLABS.

ALTHOUGH THE USE OF WWF IN STRUCTURAL SLABS IS NOT REQUIRED BY THE BUILDING CODE IT IS RECOMMENDED TO REDUCE CRACKING AND TO REDUCE FLEXURE FROM SETTLEMENT OF SHIFTING SOIL BELOW THE SLAB. ACI 318 STATES A MINIMUM REQUIREMENT OF 0.0018 Ag REINFORCING FOR GRADE 60 REINFORCING. JDS RECOMMENDS THAT ALL SLABS HAVE A MINIMUM W2.9 x W2.9. WWF INSTALLED IN THE MIDDLE THIRD OF THE SLAB UNLESS GREATER IS NOTED. FOR SLABS IN SEISMIC DESIGN CATEGORY D OR IN HIGH WINDS ZONES OF 130 OR GREATER, JDS RECOMMENDS THE INSTALLATION OF W4.0 xW4.0 WWF. HOWEVER, THE BUILDER MAY OMIT WWF WITH THE UNDERSTANDING THAT THERE IS A GREATER RISK OF CRACKING AND DIFFERENTIAL SETTLEMENT THAT WILL BE THE RESPONSIBILITY OF THE BUILDER.

USE OF SYNTHETIC FIBER MIX IN CONCRETE SLABS:

FIBER MESH IS NOT A SUBSTITUTION FOR WWF IN STRUCTURAL CONCRETE SLABS, BUT IT MAY BE USED IN ADDITION TO WWF IN STRUCTURAL SLABS OR WITHOUT WWF IN NON-STRUCTURAL SLABS. FIBER MESH IS ONE METHOD FOR SHRINKAGE AND CRACKING CONTROL IN THE SLAB DURING THE CURING PHASE. ON THESE DRAWINGS NON STRUCTURAL SLABS ARE EXTERIOR PATIOS AND PORCH SLABS. ALL OTHER SLABS ARE CONSIDERED STRUCTURAL IF ANY CONDITIONS LISTED BELOW APPLIES. IF NONE OF THE CONDITIONS LISTED BELOW APPLY, THE BUILDER MAY USE FIBER MESH IN LIEU OF WWF. FIBER MIX VOLUMES MUST BE FOLLOWED PER THE MANUFACTURERS SPECIFICATION AND MIXED AT THE PLANT, NOT ON SITE. SEE EOR AND PLANS FOR ADDITIONAL REQUIREMENTS AS NECESSARY.

- IN SLABS INSTALLED ON RAISED METAL DECKING
- IN SLABS WITH GRADE BEAMS UNLESS A REBAR MAT IS INSTALLED
- BASEMENT SLABS
- HIGH WINDS ZONES (ABOVE 130 MPH Vult)
- SEISMIC DESIGN CATEGORY OF D OR GREATER
- IF ANY SOILS HAVE BEEN FOUND TO BE EXPANSIVE SOILS ON SITE
- FOR SLAB POURED DIRECTLY ON GRADE; A 4" BASE MATERIAL OF CRUSHED STONE OR WELL DRAINING CLEAN SAND IS REQUIRED FOR USE
- FOR ANY SITES WITH A DCP BLOW COUNT OF 10 OR LESS.



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CLIENT:	MATTAMY HOMES
PROJECT:	ALLEGHENY - LH
LOCATION:	NORTH CAROLINA
SCALE:	1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 24x34 PAPER, OR AS NOTED



PROJECT NO.:
25901010

DATE:
04/07/2025

DRAWN BY:
VLT

GENERAL NOTES

SN1.1

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.
8. ALL ENGINEERED WOOD PRODUCTS (LVL, PSL, LSL, ETC.) SHALL BE INSTALLED WITH CONNECTIONS PER MANUFACTURER SPECIFICATIONS.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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).
14. 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).
15. 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.
16. BRACED WALL PANELS SHALL BE FASTENED TO MEET THE UPLIFT-RESISTANCE REQUIREMENTS IN CHAPTERS 6 AND 8 OF THE APPLICABLE CODE (SEE TITLE SHEET). REQUIREMENTS OF THE STRUCTURAL DRAWINGS THAT EXCEED THE CODE MINIMUM SHALL BE MET.

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 R602.3(1)** FOR ADDITIONAL STRUCTURAL-MEMBER FASTENING REQUIREMENTS.

DETAILS AND NOTES ON DRAWINGS GOVERN.

BALLOON WALL FRAMING SCHEDULE
(USE THESE STANDARDS UNLESS NOTED OTHERWISE ON THE FRAMING PLAN SHEETS)

FRAMING MEMBER SIZE	MAX HEIGHT (PLATE TO PLATE) UP TO 120 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"

- 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 LIMITED.
- 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.
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.
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

1. 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.
4. 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.
7. 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 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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CLIENT:	MATTAMY HOMES
PROJECT:	ALLEGHENY - LH
LOCATION:	NORTH CAROLINA
SCALE:	1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

mattamyHOMES

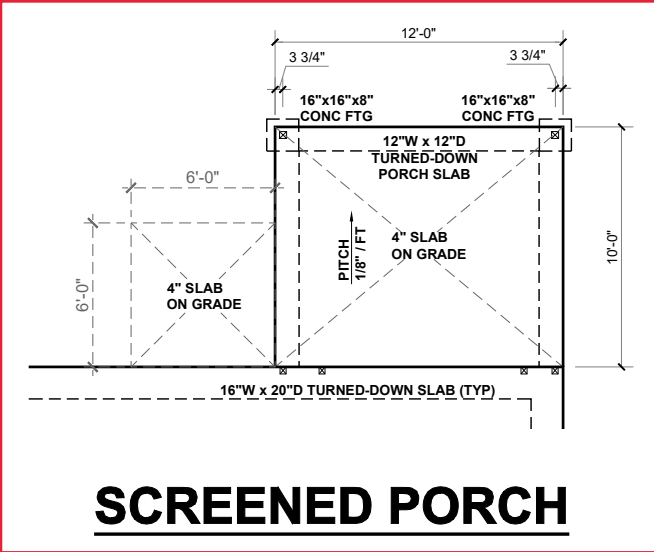
PROJECT NO.:
25901010

DATE:
04/07/2025

DRAWN BY:
VLT

GENERAL NOTES

SN1.2



**SLAB FOUNDATION PLAN OPTIONS -
FRENCH COUNTRY**

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

BEAM & POINT LOAD LEGEND

- INTERIOR 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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PLAN OPTIONS
SLAB FOUNDATION PLANS

S.11

PLUMBING LINES MAY PASS
PERPENDICULARLY THROUGH THE BOTTOM
THIRD OF A FOOTING IF INSTALLED WITH
APPROPRIATE SLEEVE AND (2) 48" LONG #4
REBAR ARE INSTALLED CENTERED OVER
THE SLEEVE.

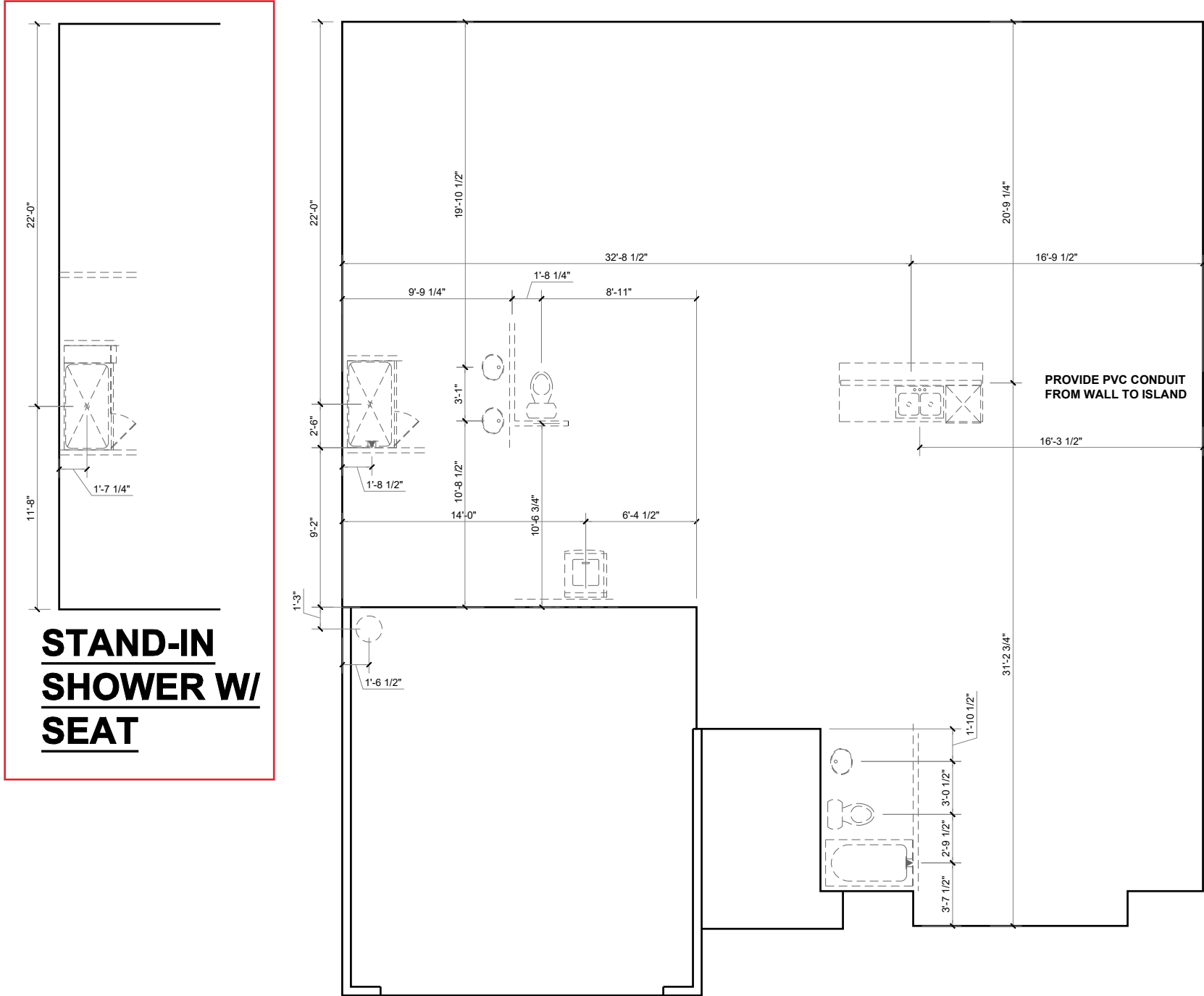


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PLUMBING LINES MAY PASS PERPENDICULARLY THROUGH THE BOTTOM THIRD OF A FOOTING IF INSTALLED WITH APPROPRIATE SLEEVE AND (2) 48" LONG #4 REBAR ARE INSTALLED CENTERED OVER THE SLEEVE.



PLUMBING PLAN - FRENCH COUNTRY

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

CLIENT:
MATTAMY HOMES

PROJECT:
ALLEGHENY - LH

LOCATION:
NORTH CAROLINA

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



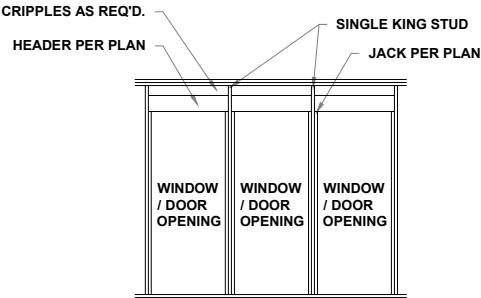
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PLUMBING PLAN

S.13



MULTI HEADER DETAIL
SINGLE COMMON KING STUD NTS

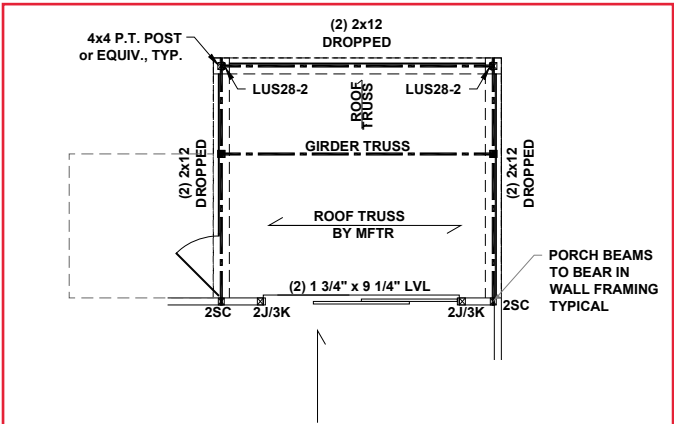
BEAM & POINT LOAD LEGEND

- INTERIOR 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 TO HAVE KING STUDS AS PER TABLE R602.7.5 OR 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 BE 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 EQUIVALENT) 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).

- 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.

SEE FULL PLAN FOR ADDITIONAL INFORMATION



SCREENED PORCH

FIRST FLOOR CEILING FRAMING PLAN OPTIONS -
FRENCH COUNTRY

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



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CLIENT: **MATTAMY HOMES**

PROJECT: **ALLEGHENY - LH**

LOCATION: **NORTH CAROLINA**

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

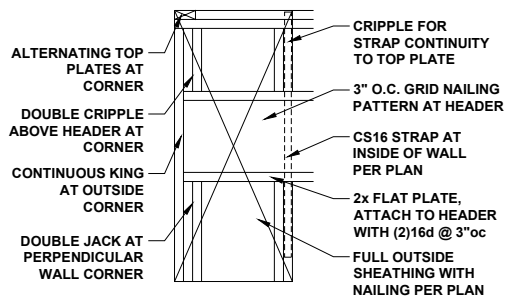
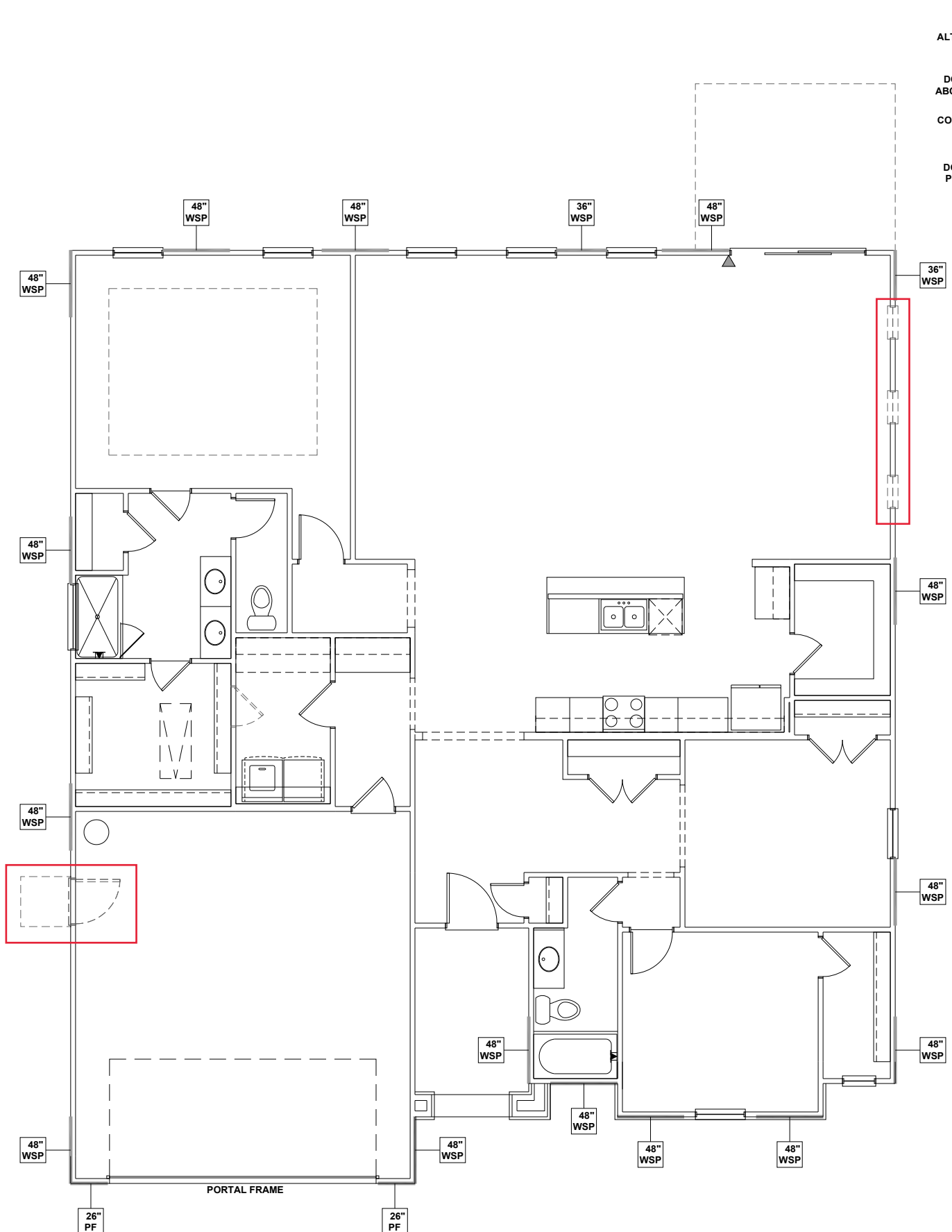
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DATE: **04/07/2025** DRAWN BY: **VLT**

FIRST FLOOR OPTIONS
CEILING FRAMING PLANS

S1.1

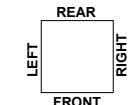


PORTAL FRAMED OR
ENGINEERED OPENING
OUTSIDE CORNER DETAIL

NTS

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 HTT4 FOR ATTACHMENT TO CONCRETE.
- SCALED LENGTH OF WALL PANEL AT LOCATION

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 PROVIDED LENGTH LISTED AS "N/A" DO NOT MEET THE REQUIREMENTS OF PRESCRIPTIVE WALL BRACING FOUND IN THE NCR. 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	13.5 FT.	16.5 FT.
RIGHT	13.5 FT.	19.0 FT.
REAR	13.5 FT.	15.0 FT.
LEFT	13.5 FT.	20.0 FT.



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CLIENT: **MATTAMY HOMES**

PROJECT: **ALLEGHENY - LH**

LOCATION: **NORTH CAROLINA**

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



PROJECT NO.: **25901010**

DATE: **04/07/2025** DRAWN BY: **VL T**

FIRST FLOOR
WALL BRACING PLAN

S4.0

FIRST FLOOR WALL BRACING PLAN - FRENCH COUNTRY

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

ATTIC VENTILATION: REAR OPTIONS

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.

140 SQUARE FEET OF TOTAL ATTIC / 150 =
.93 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

OPT
SUNROOM/
COVERED &
SCREENED
PORCH

BEAM & POINT LOAD LEGEND

- INTERIOR 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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2887 SQUARE FEET OF TOTAL ATTIC / 150 =
19 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

TRUSS UPLIFT CONNECTORS: EXPOSURE B, 115 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

UP TO 28'

OVER 28'

CONNECTOR

NAILING PER TABLE 602.3(1)
NCRBC 2018 EDITION

(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

S7.0

ROOF FRAMING PLAN - FRENCH COUNTRY

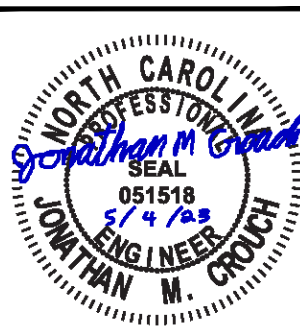
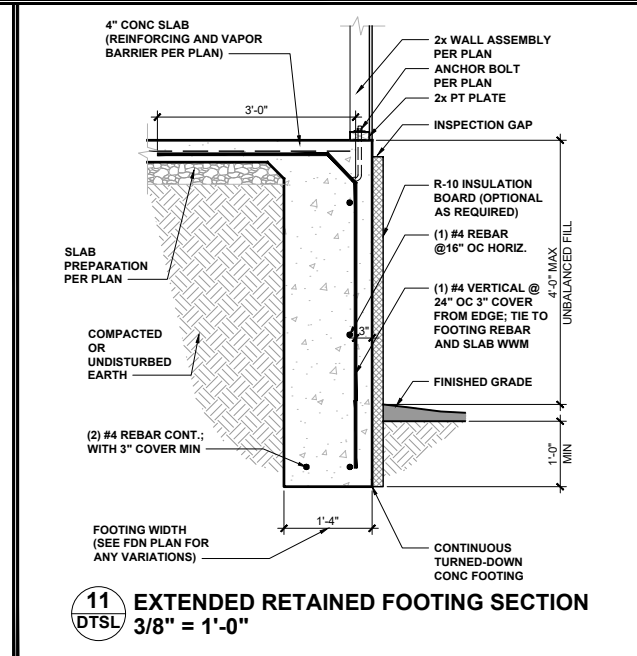
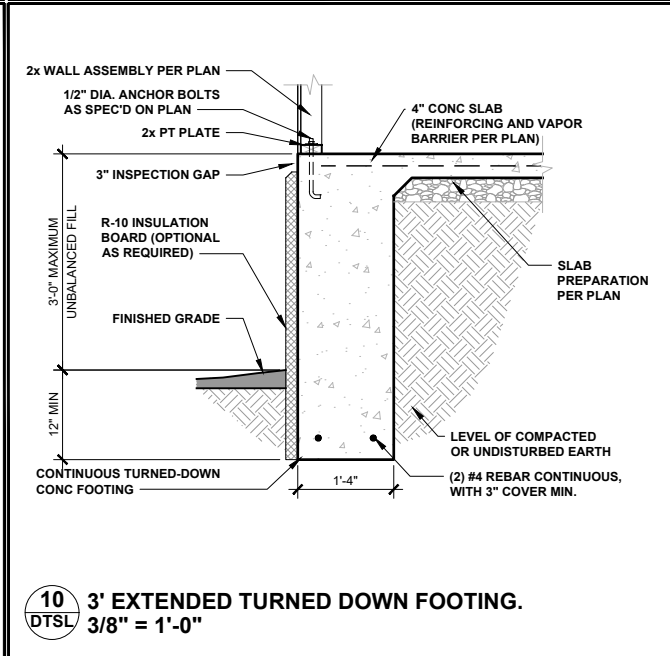
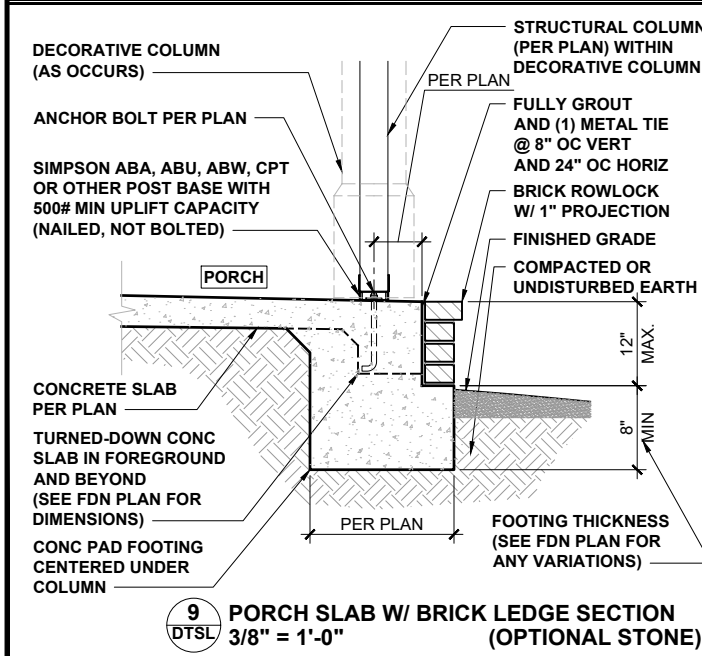
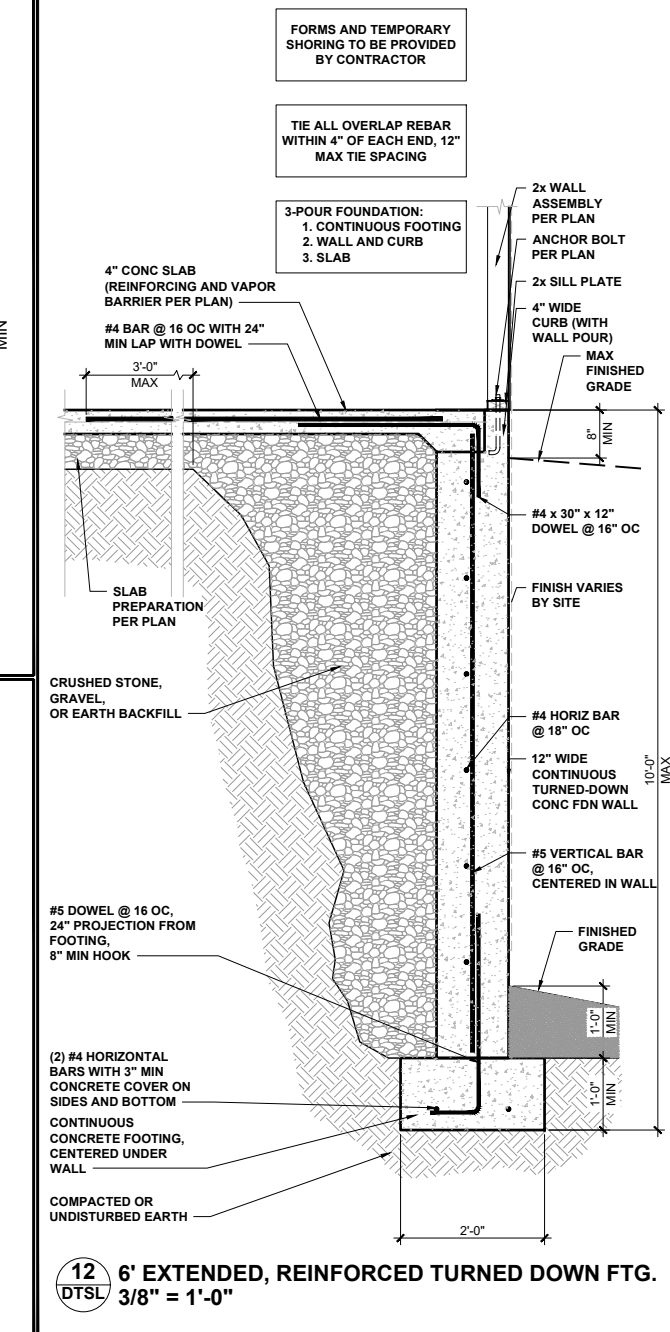
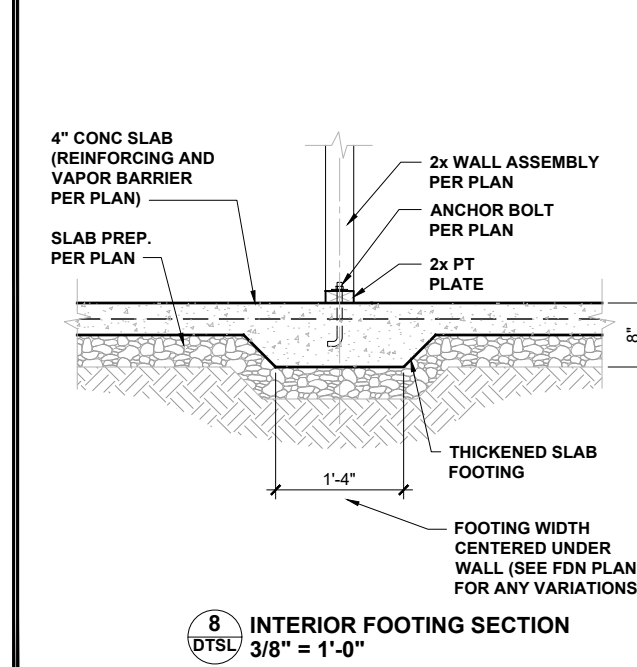
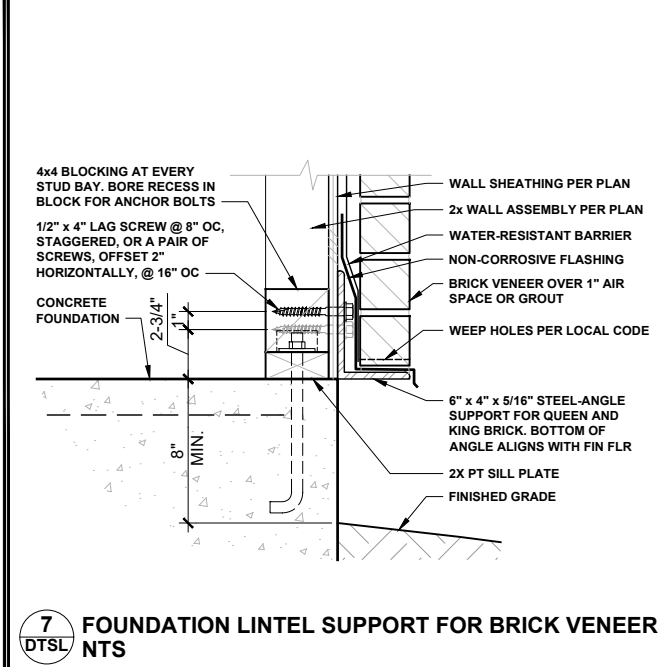
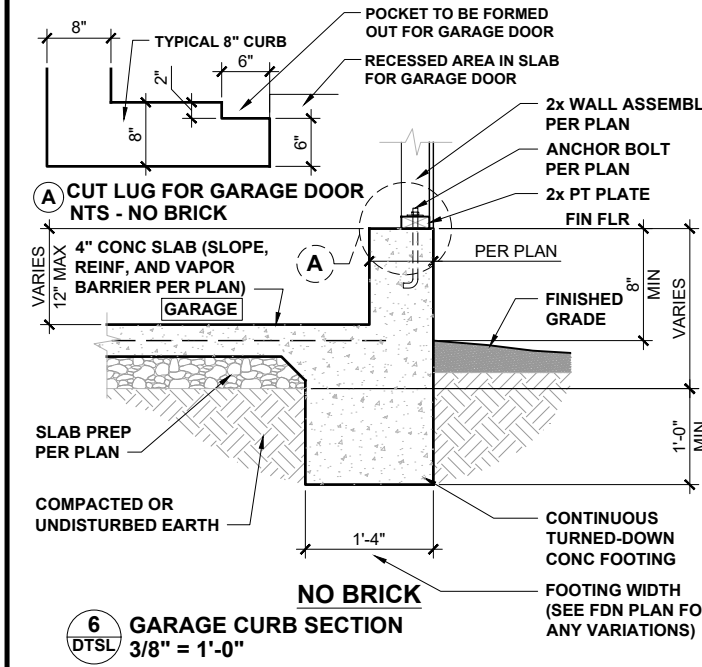
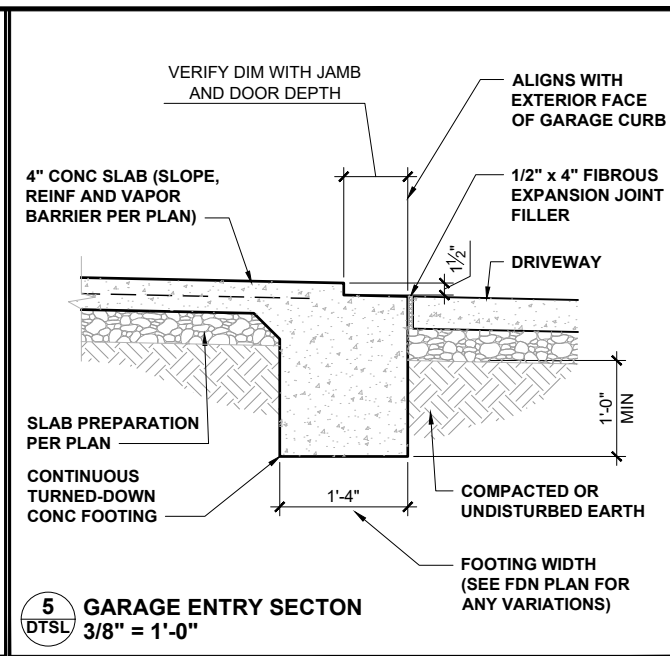
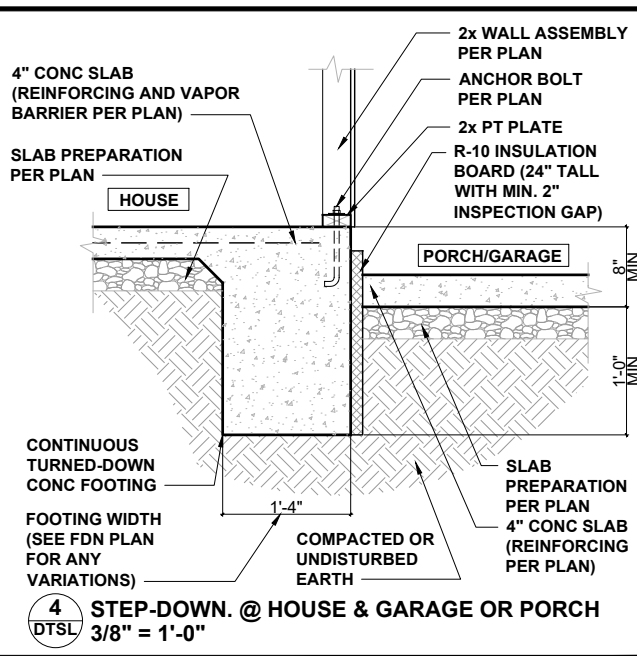
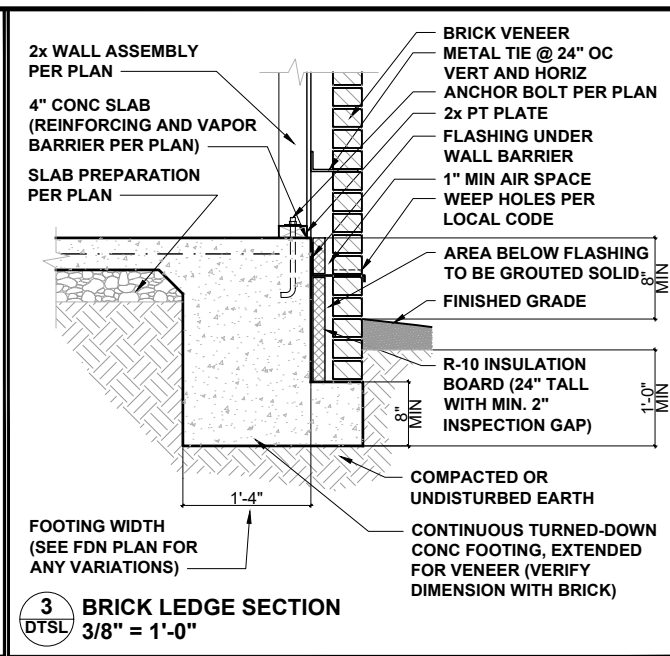
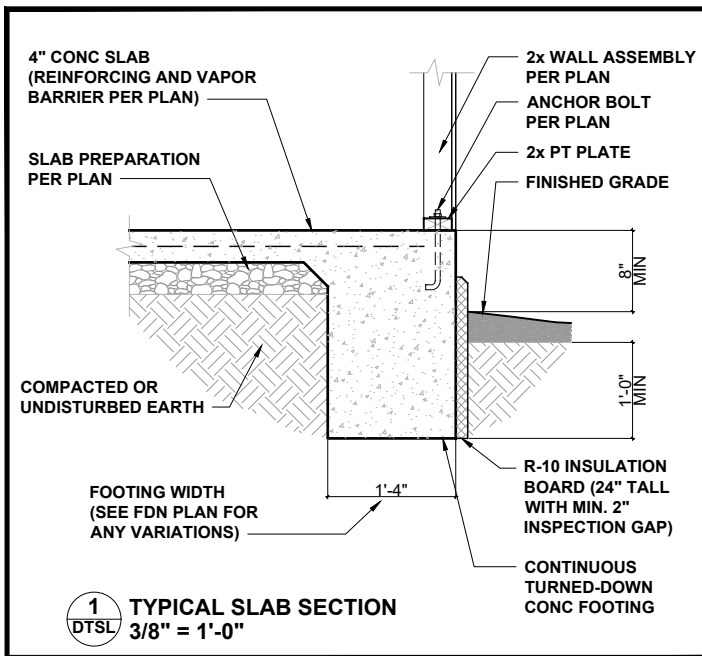
SCALE: 1/8"=1'-0"

ATTIC VENTILATION: OPT. THIRD CAR GARAGE

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.

272 SQUARE FEET OF TOTAL ATTIC / 150 =
1.81 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

OPT THIRD
CAR GARAGE



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CLIENT: **MATTAMY HOMES**

PROJECT: **STANDARD DETAILS**

LOCATION: **NORTH CAROLINA**

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

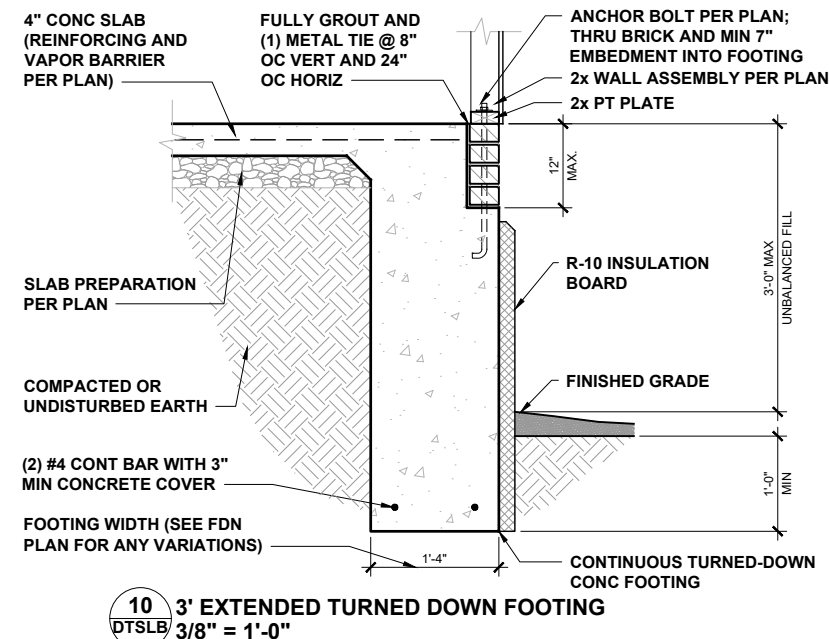
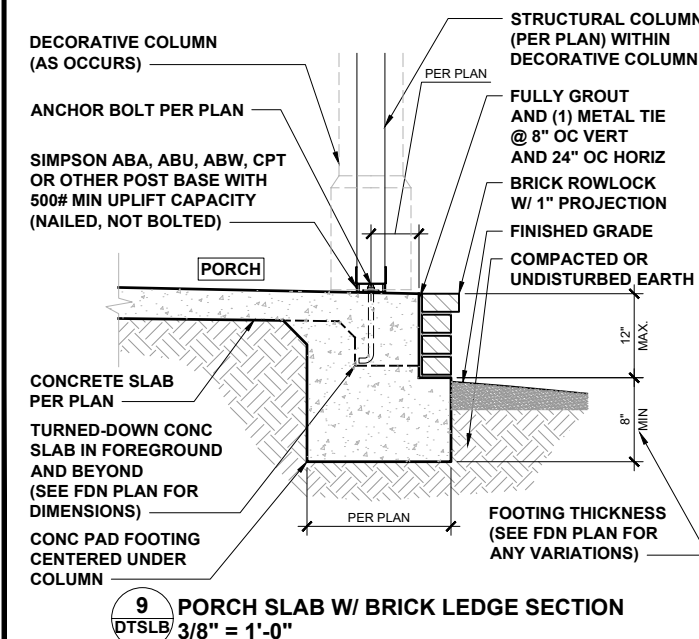
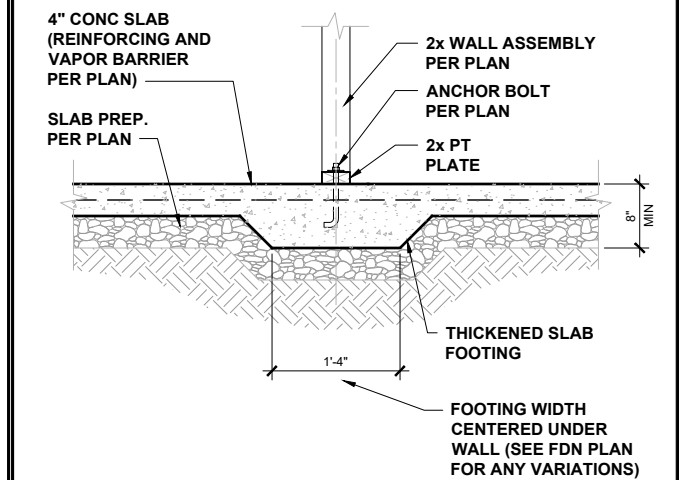
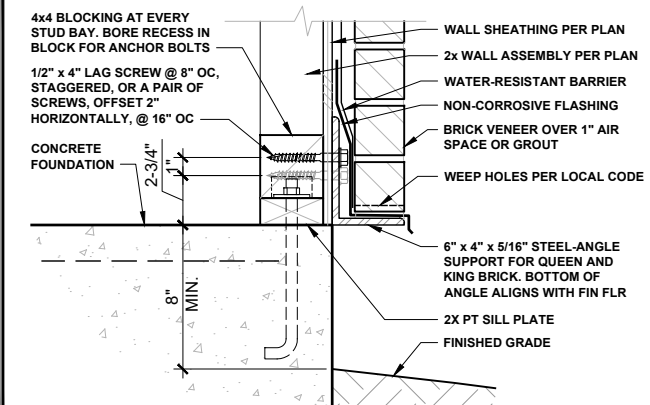
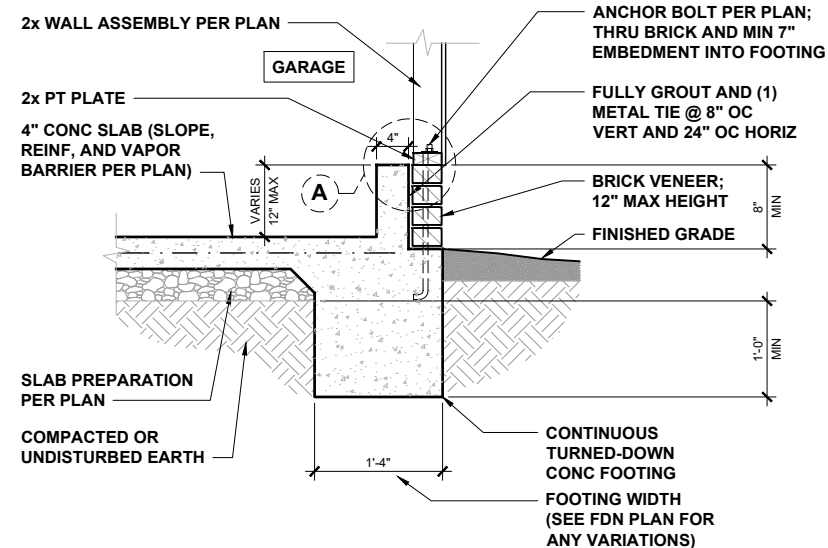
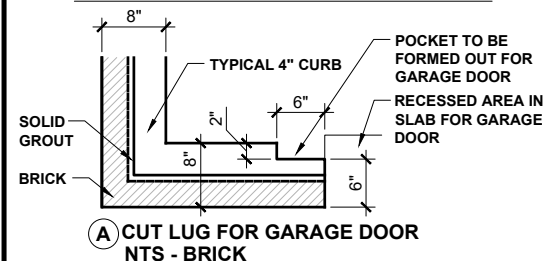
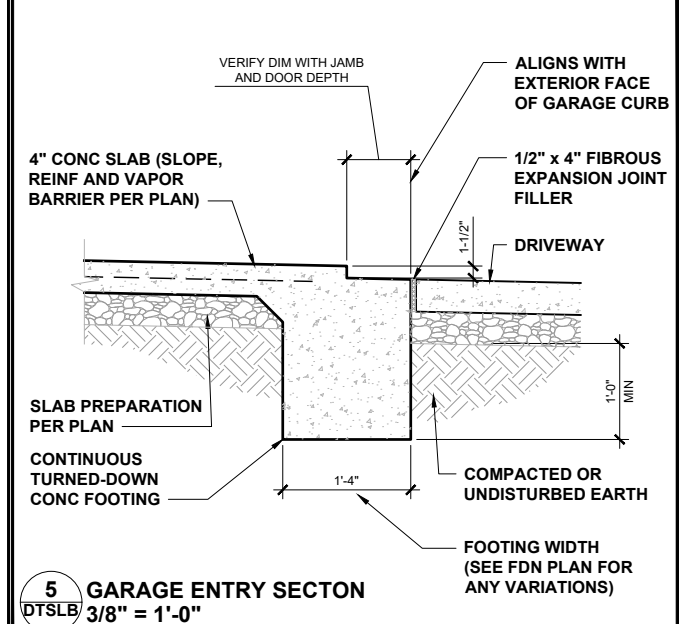
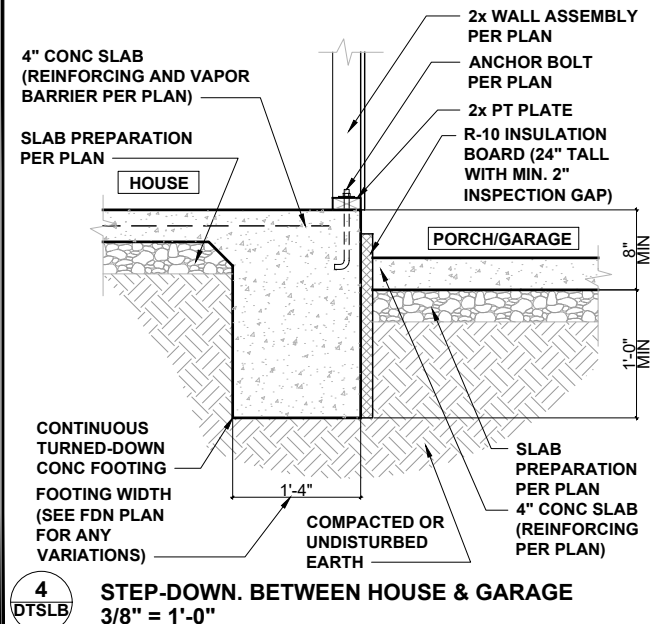
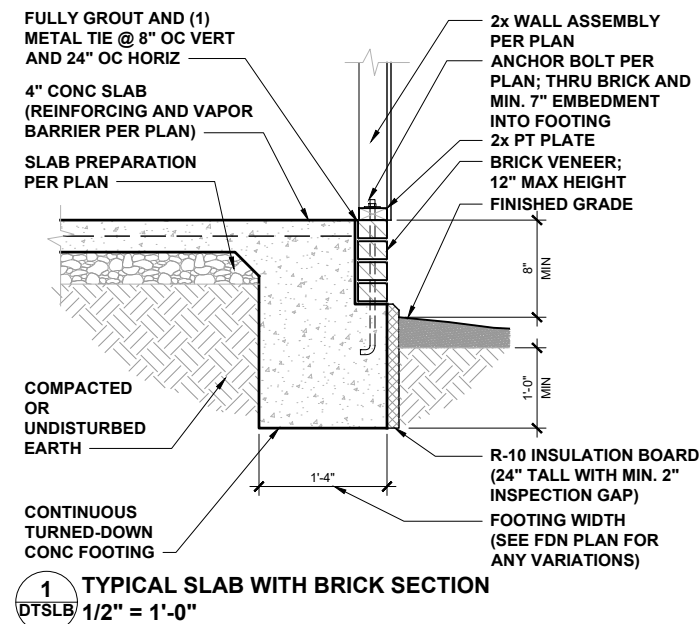
mattamyHOMES

PROJECT NO.: **STANDARD DETAILS**

DATE: **04/27/2023** DRAWN BY: **CAR**

SLAB
FOUNDATION DETAILS

DTSL



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CLIENT: **MATTAMY HOMES**

PROJECT: STANDARD DETAILS

LOCATION: **NORTH CAROLINA**

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

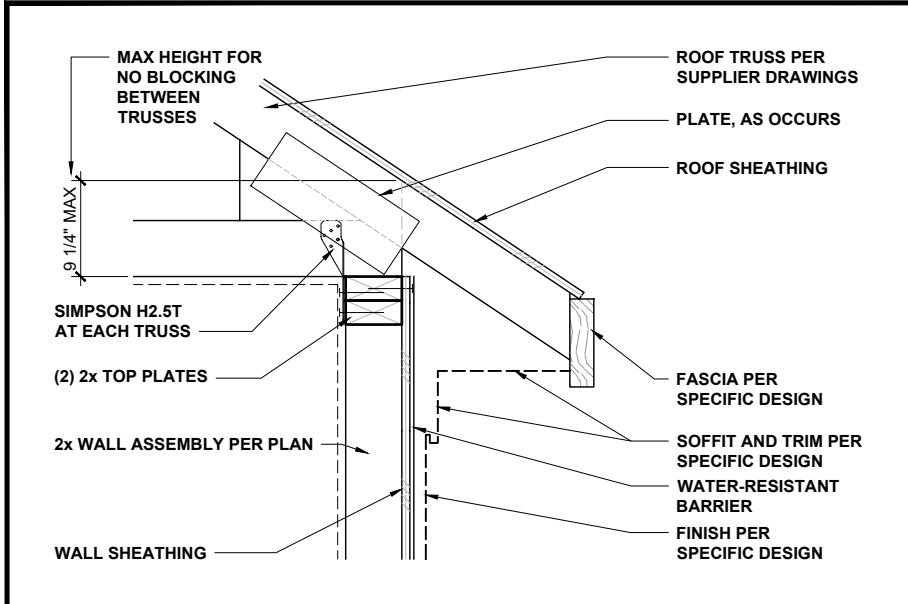


PROJECT NO.:
STANDARD DETAILS

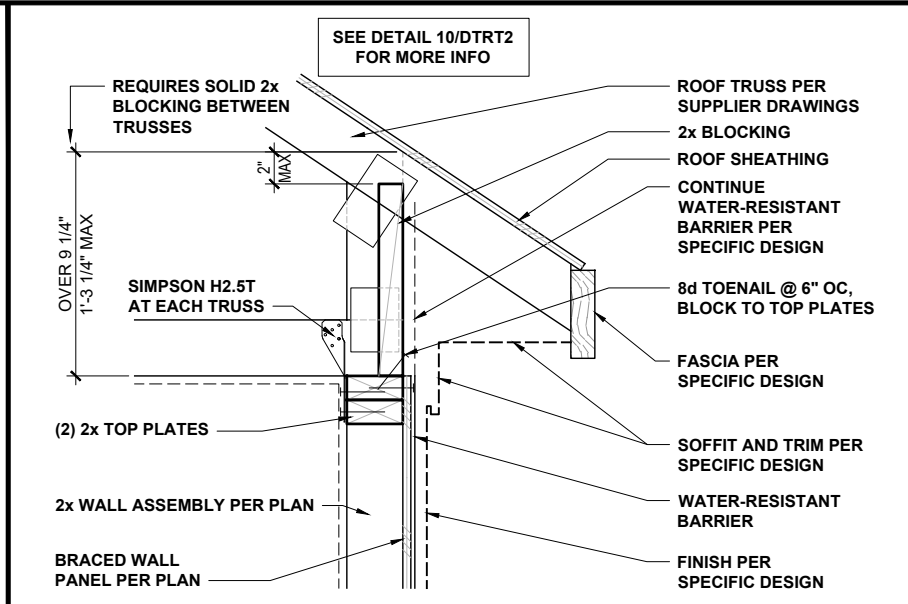
DATE: 04/27/2023	DRAWN BY: CAR
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SLAB FOUNDATION DETAILS WITH BRICK

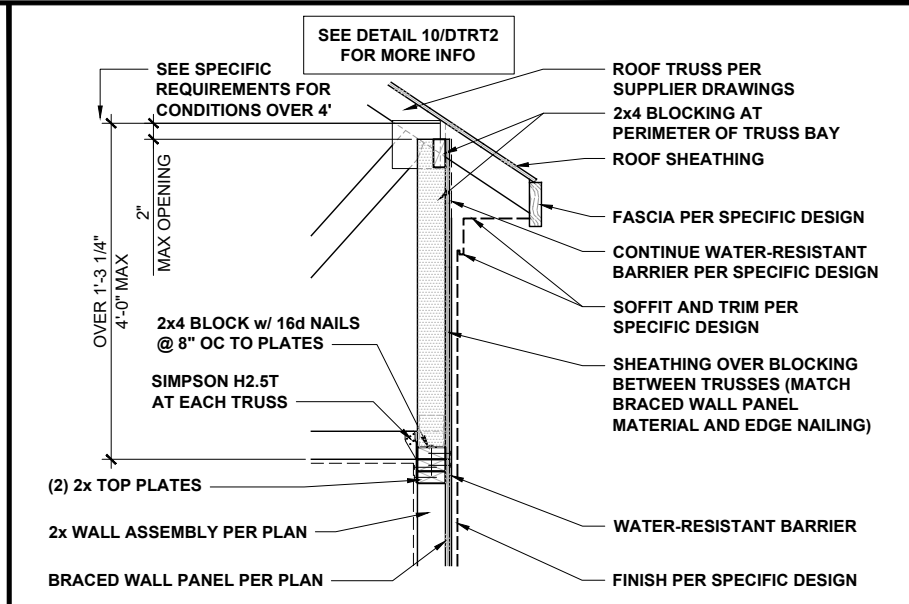
DTSLB



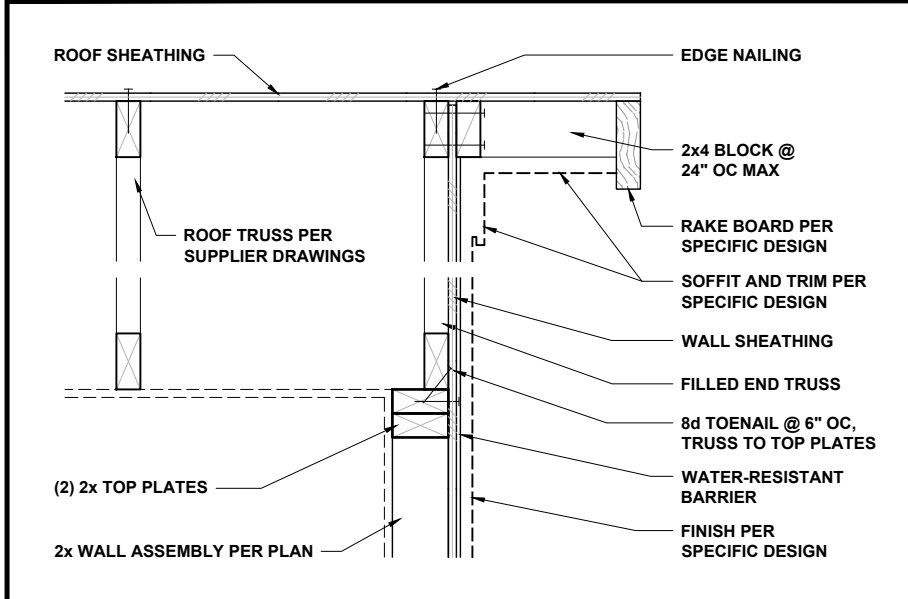
LOW-HEEL TRUSS AT WALL 1" = 1'-0" 1



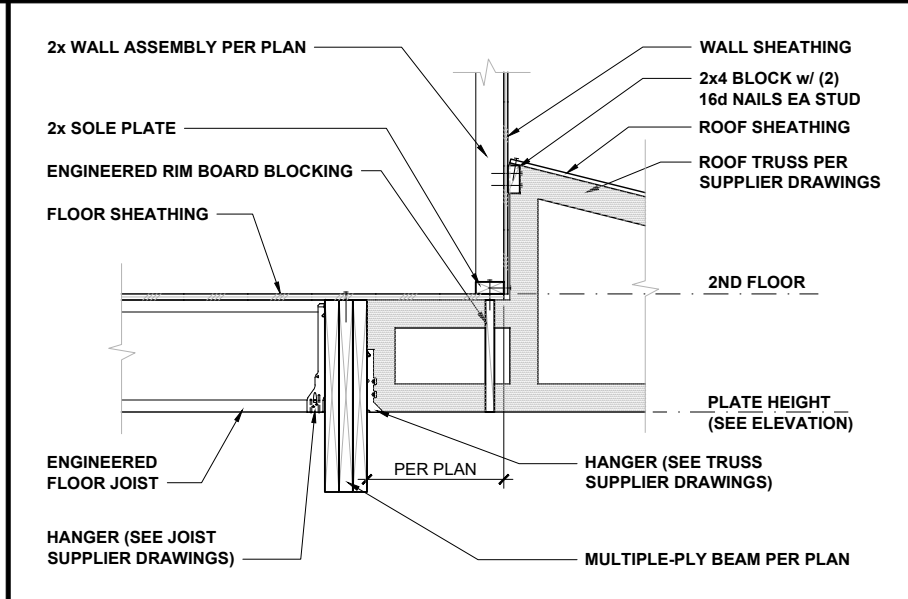
TYPICAL TRUSS AT BRACED WALL 1" = 1'-0" 2



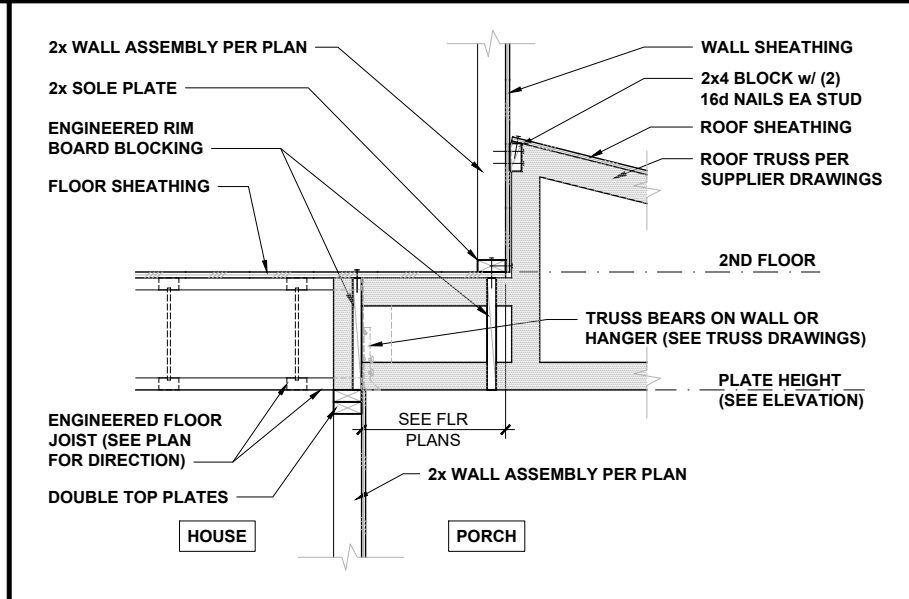
HIGH-HEEL TRUSS AT BRACED WALL 1/2" = 1'-0" 3



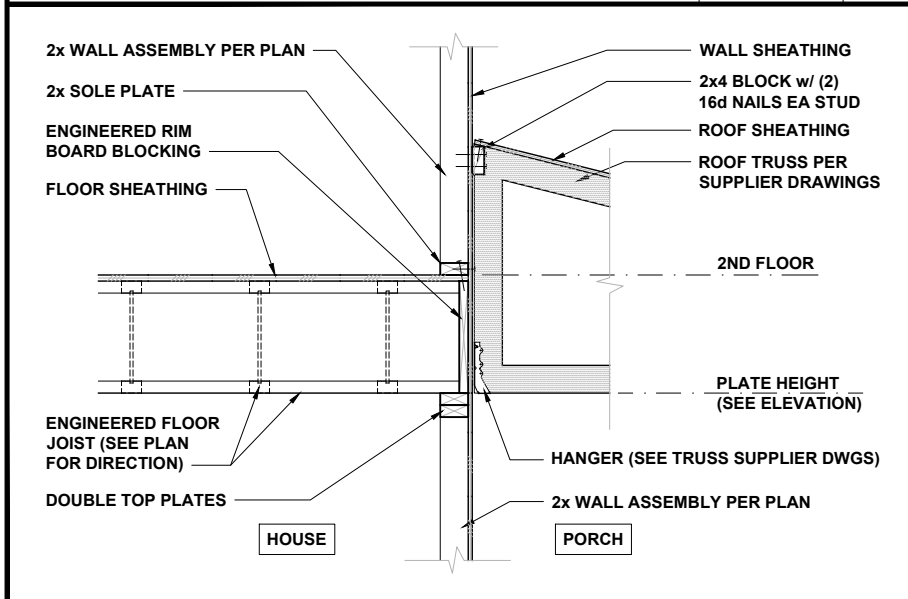
END TRUSS AT WALL 1" = 1'-0" 4



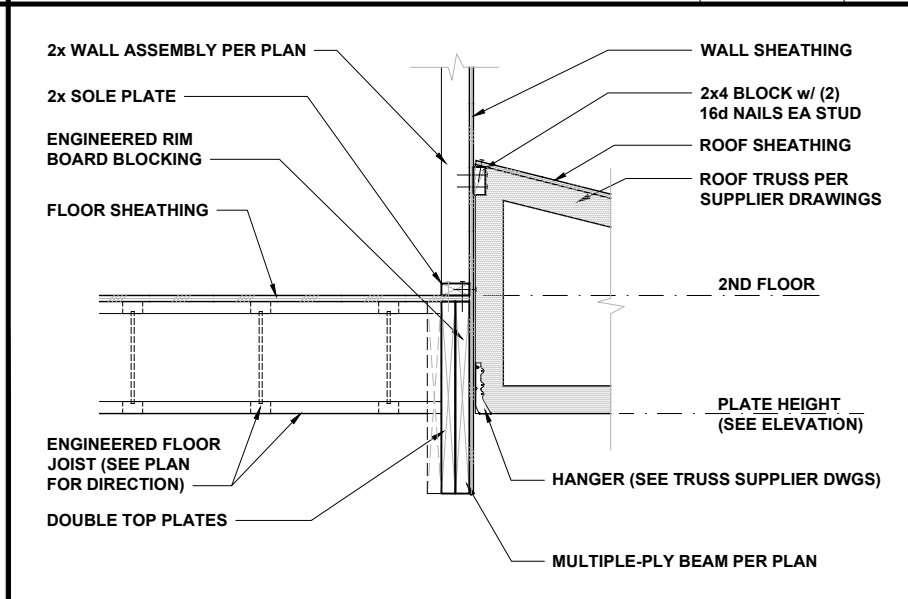
TRUSS AT BEAM AND WALL 1/2" = 1'-0" 5



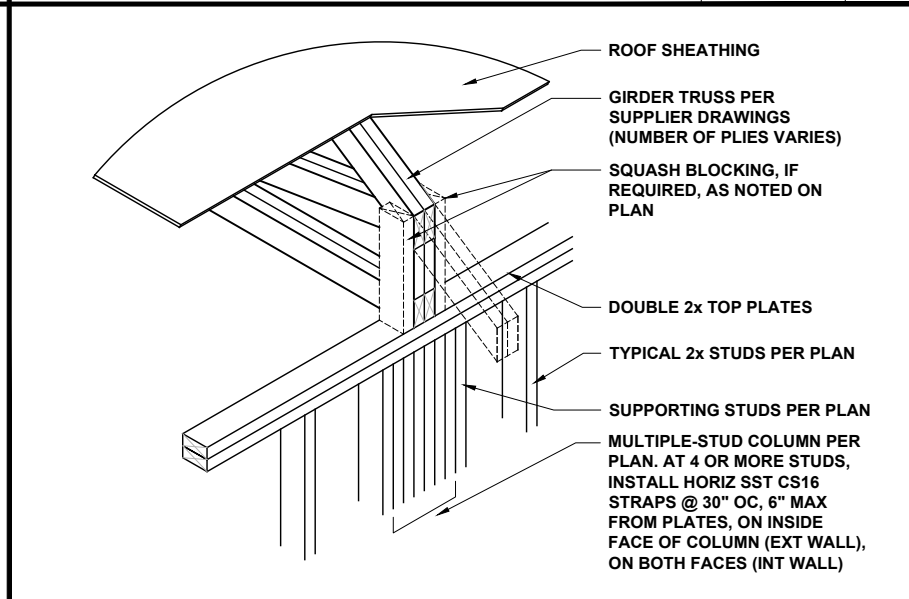
TRUSS AT FLOOR AND WALL 1/2" = 1'-0" 6



TRUSS AT FLOOR AND WALL 1/2" = 1'-0" 7



TRUSS AT BEAM AND WALL 1/2" = 1'-0" 8



GIRDER TRUSS AT WALL 1/2" = 1'-0" 9



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CLIENT: **MATTAMY HOMES**

PROJECT: **STANDARD DETAILS**

LOCATION: **NORTH CAROLINA**

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

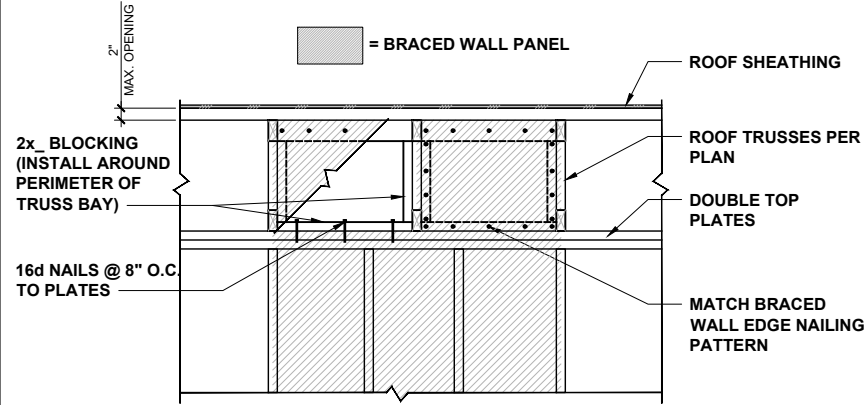
mattamyHOMES

PROJECT NO.: **STANDARD DETAILS**

DATE: **04/27/2023** DRAWN BY: **CAR**

ROOF TRUSS FRAMING DETAILS

DTRT



BWP CONNECTION TO ROOF FRAMING NTS 10



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CLIENT: MATTAMY HOMES	PROJECT: STANDARD DETAILS	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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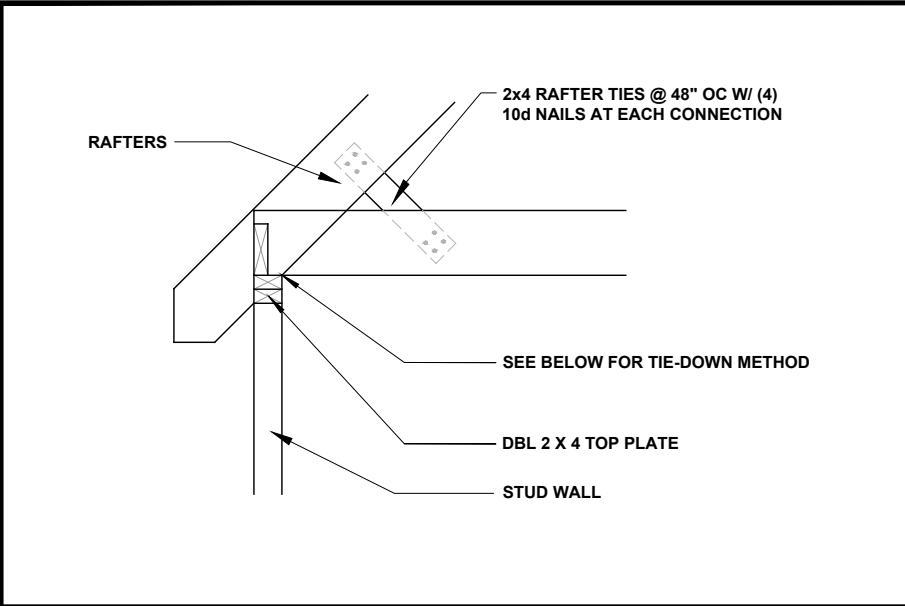


PROJECT NO.:
STANDARD DETAILS

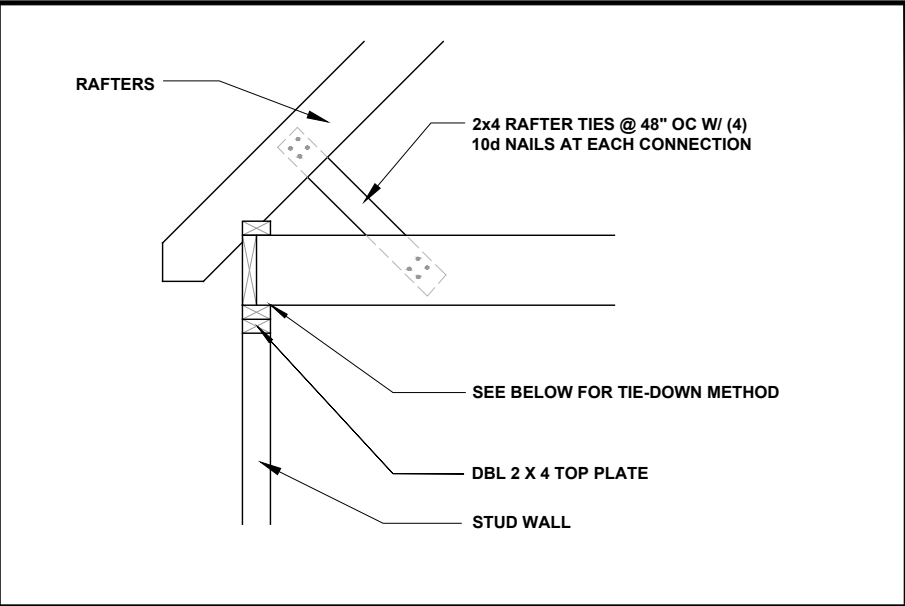
DATE: 04/27/2023	DRAWN BY: CAR
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ROOF TRUSS FRAMING
DETAILS

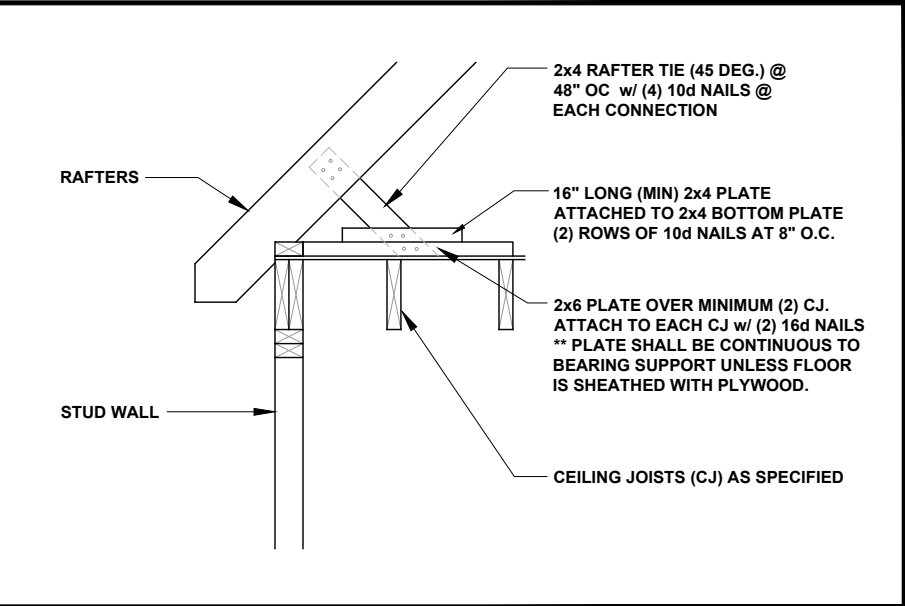
DTRT2



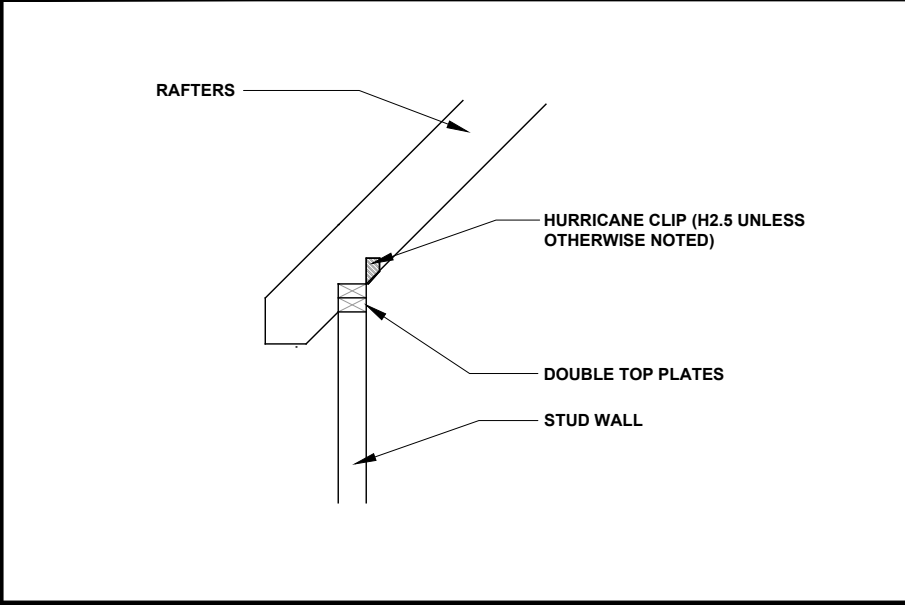
RAFTER TIE 1/2" = 1'-0" 1



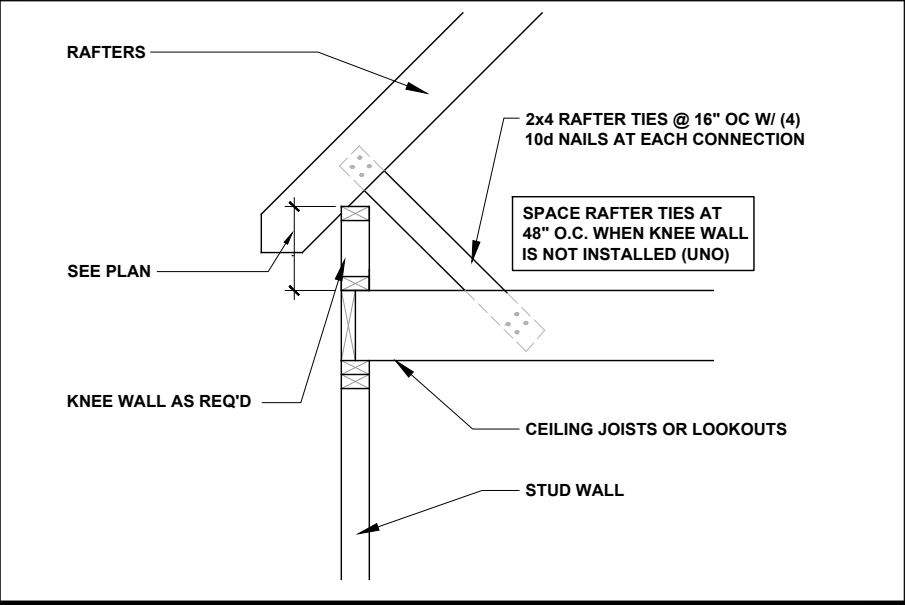
RAFTER TIE 1/2" = 1'-0" 2



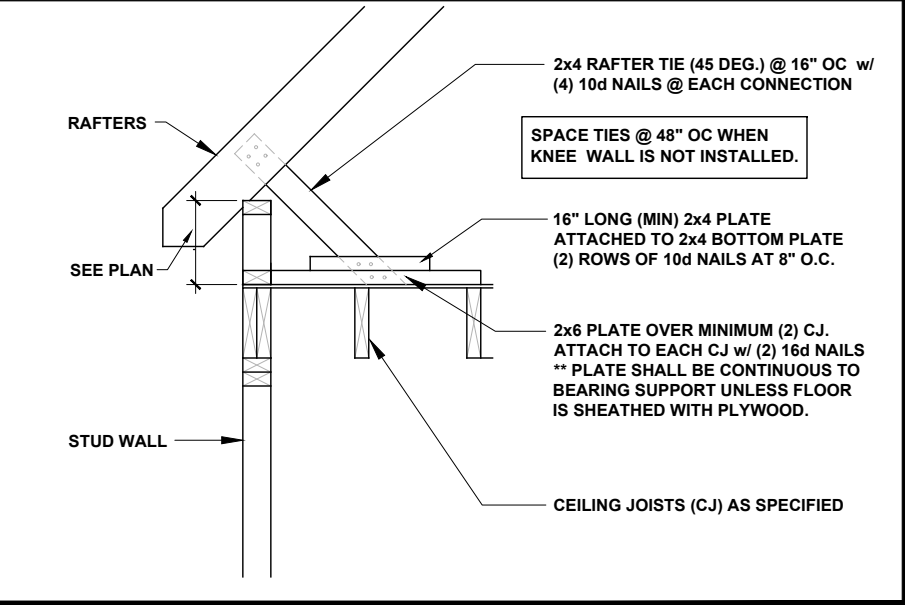
RAFTER TIE 1/2" = 1'-0" 3



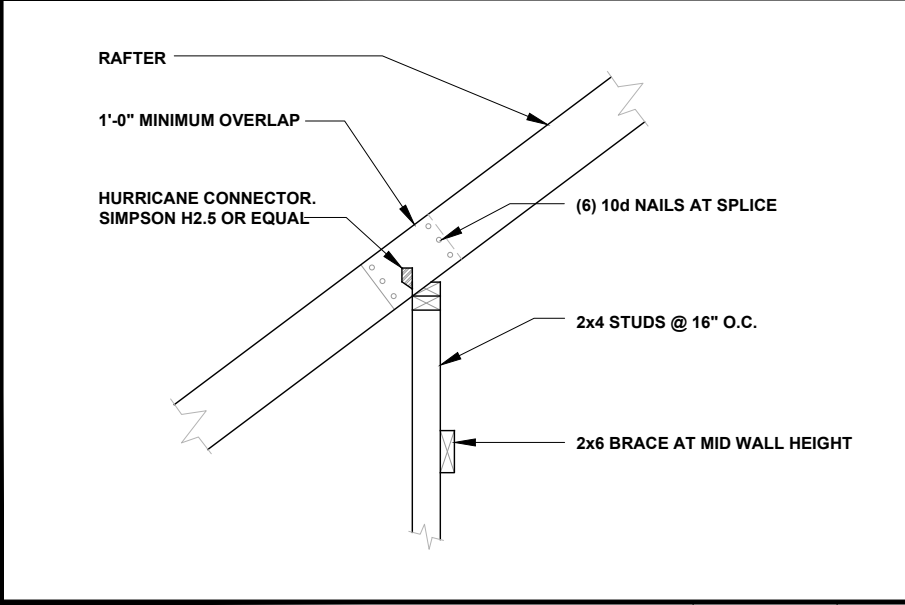
RAFTER-TO-PLATES CONNECTION 1/2" = 1'-0" 4



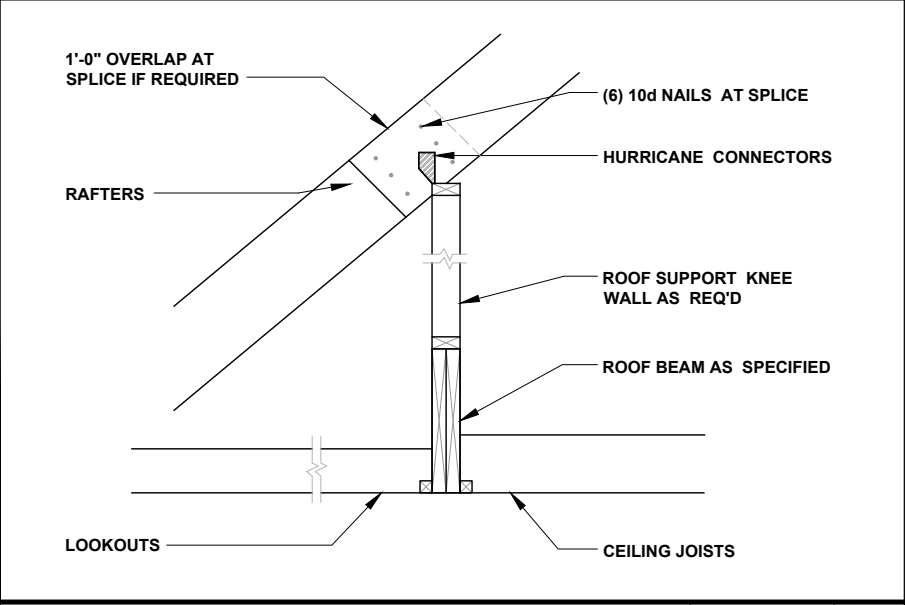
RAFTER AT KNEE WALL 1/2" = 1'-0" 5



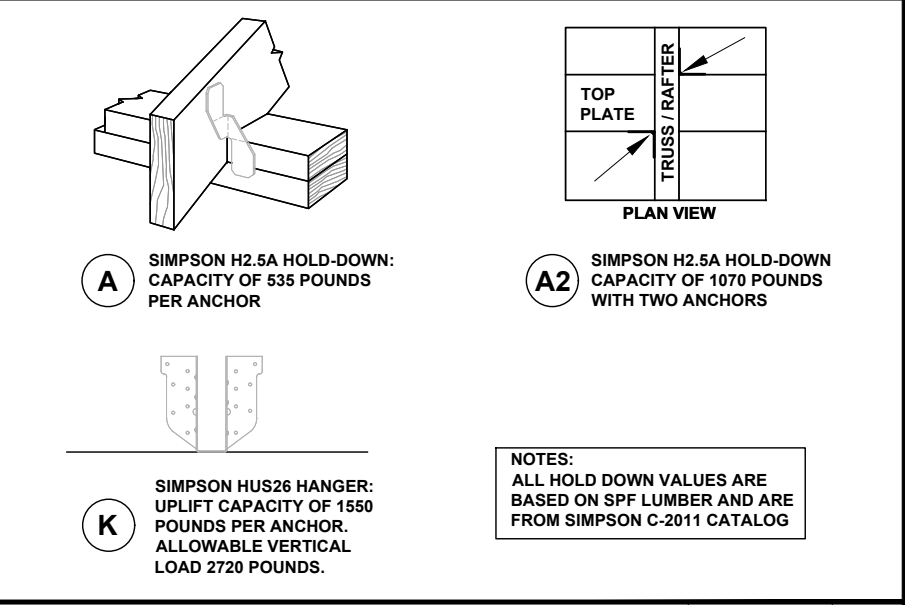
RAFTER AT KNEE WALL 1/2" = 1'-0" 6



RAFTER SPLICE AT BEARING WALL 1/2" = 1'-0" 7



ROOF BEAM 1/2" = 1'-0" 8



FRAMING CONNECTORS NTS 9



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CLIENT: **MATTAMY HOMES**

PROJECT: **STANDARD DETAILS**

LOCATION: **NORTH CAROLINA**

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

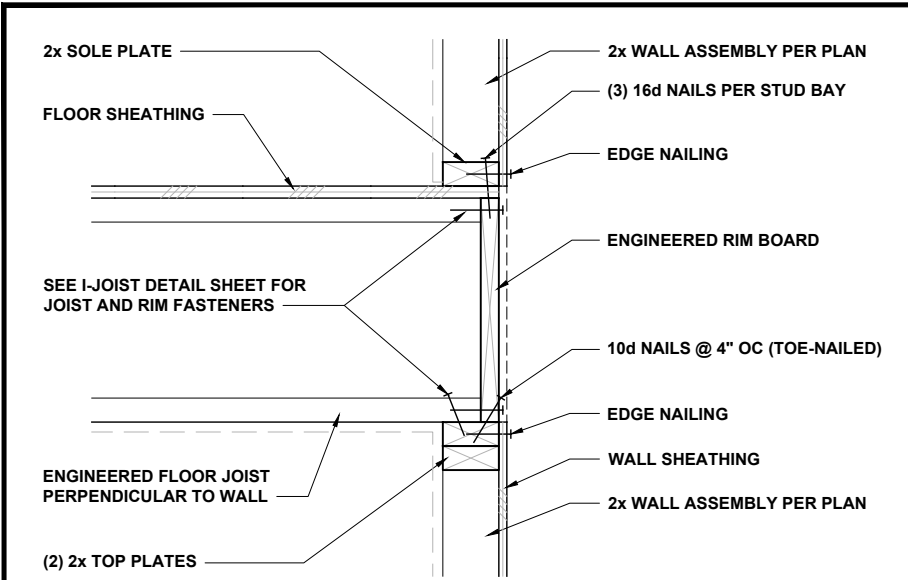
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PROJECT NO.: **STANDARD DETAILS**

DATE: **04/27/2023** DRAWN BY: **CAR**

CONVENTIONAL
FRAMING DETAILS

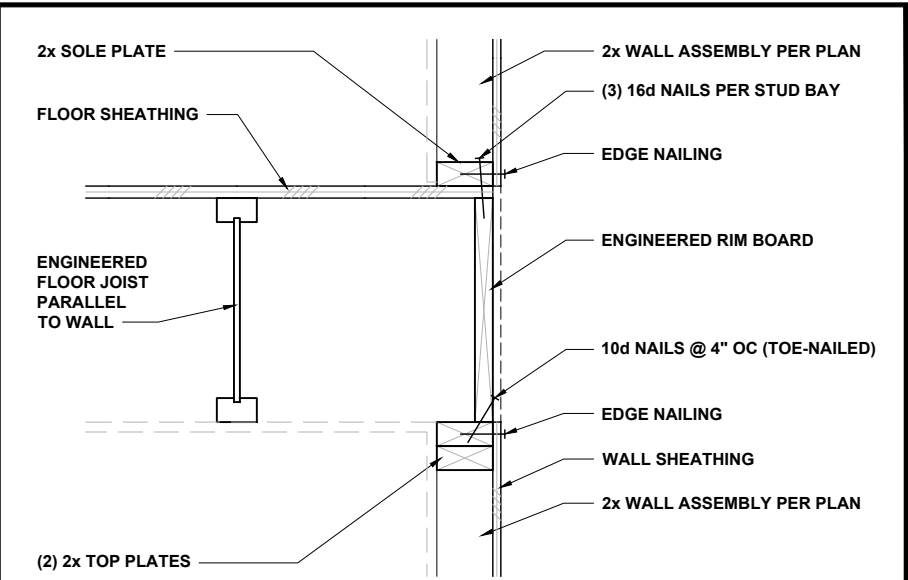
DTRR



FLOOR JOISTS PERP TO WALL

1" = 1'-0"

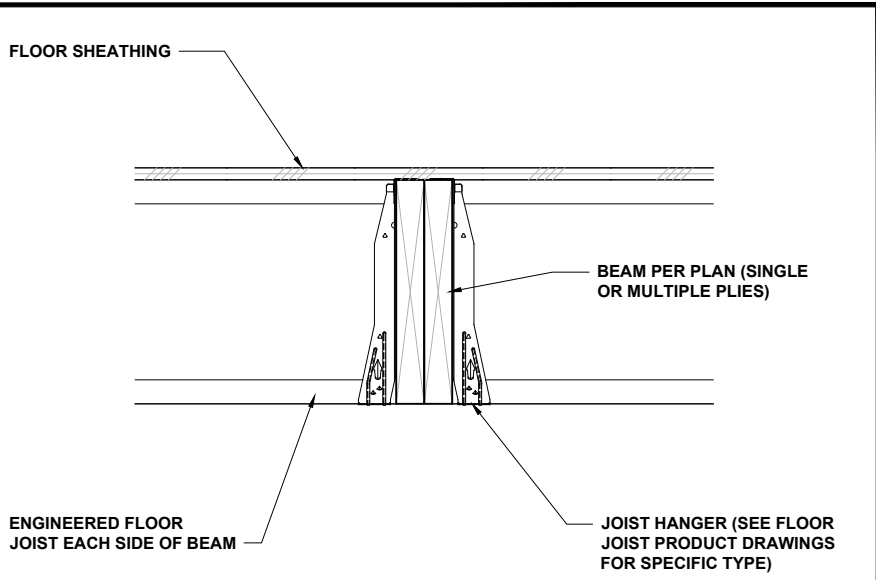
1



FLOOR JOISTS PARALLEL TO WALL

1" = 1'-0"

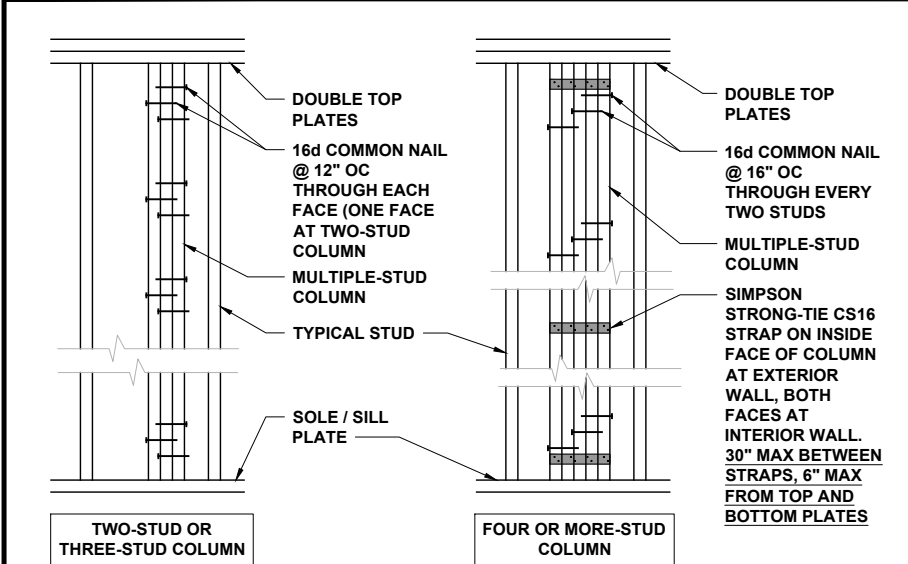
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FLOOR JOISTS AT FLUSH BEAM

3/4" = 1'-0"

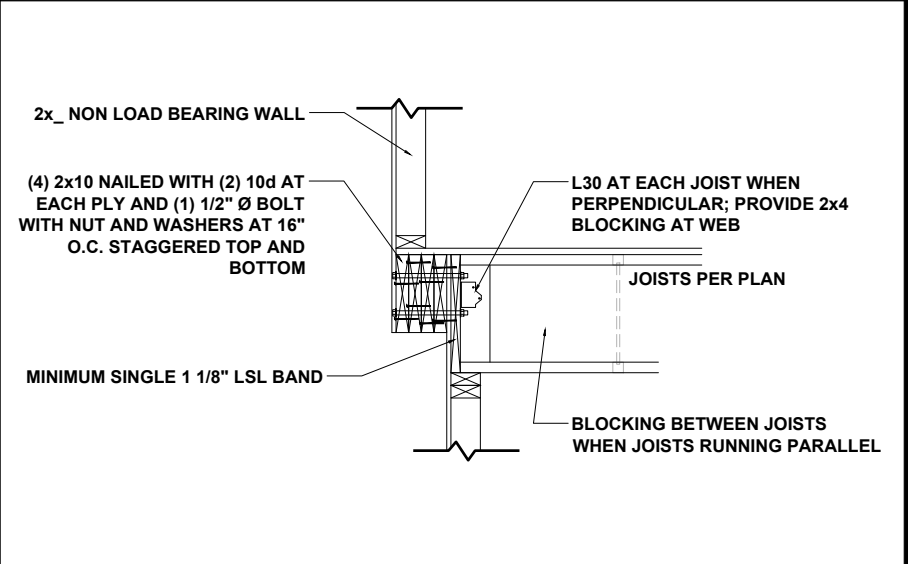
3



MULTIPLE-STUD COLUMN FASTENING

1/2" = 1'-0"

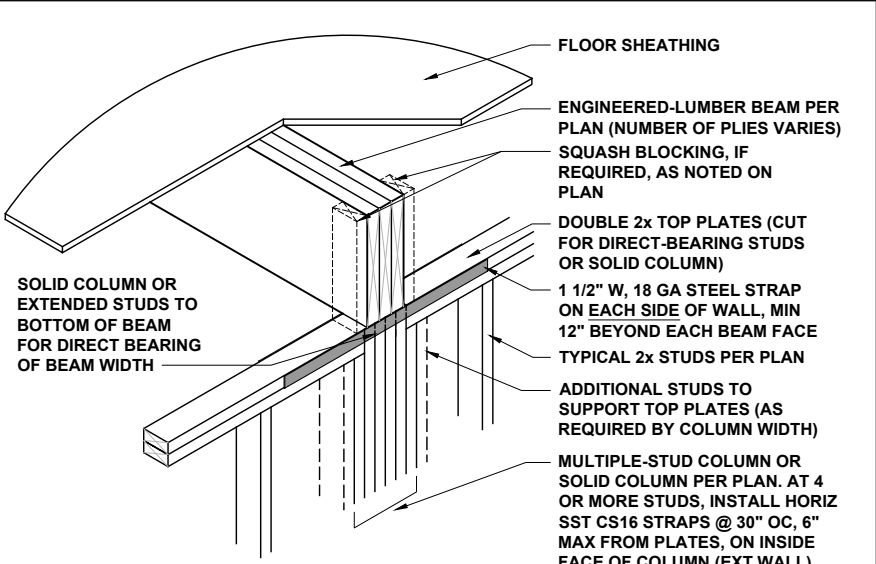
4



6 IN. SIDE UPGRADE CONNECTION

1/2" = 1'-0"

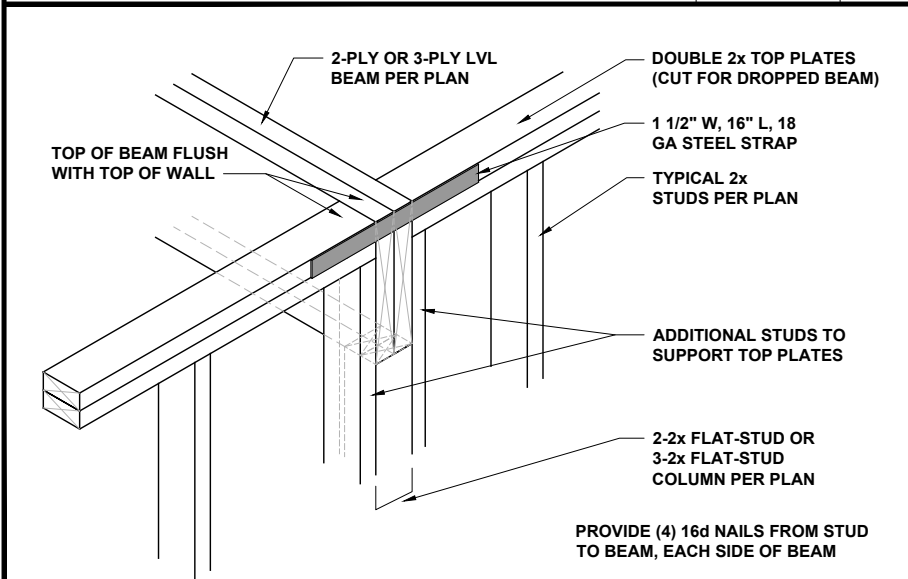
5



FLUSH BEAM AT WALL

1/2" = 1'-0"

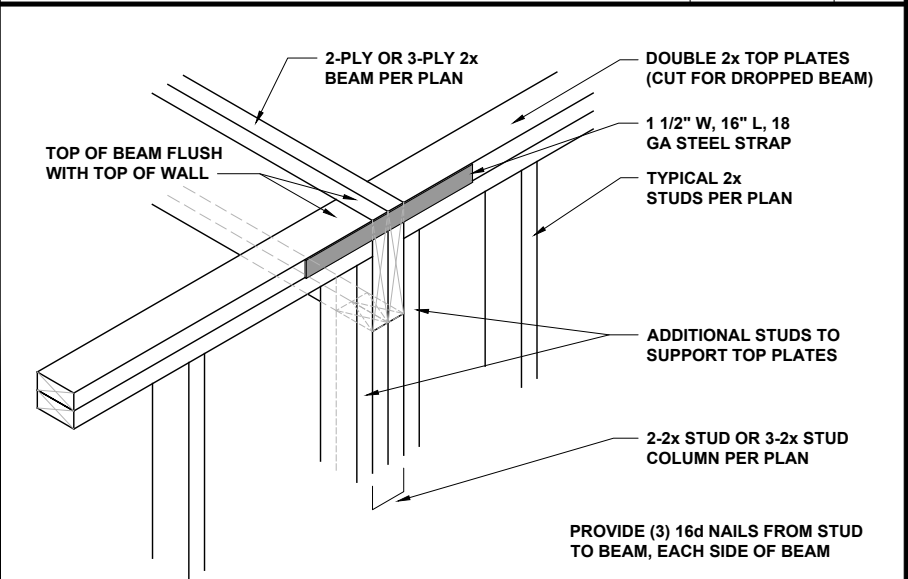
6



DROPPED LVL BEAM AT WALL

3/4" = 1'-0"

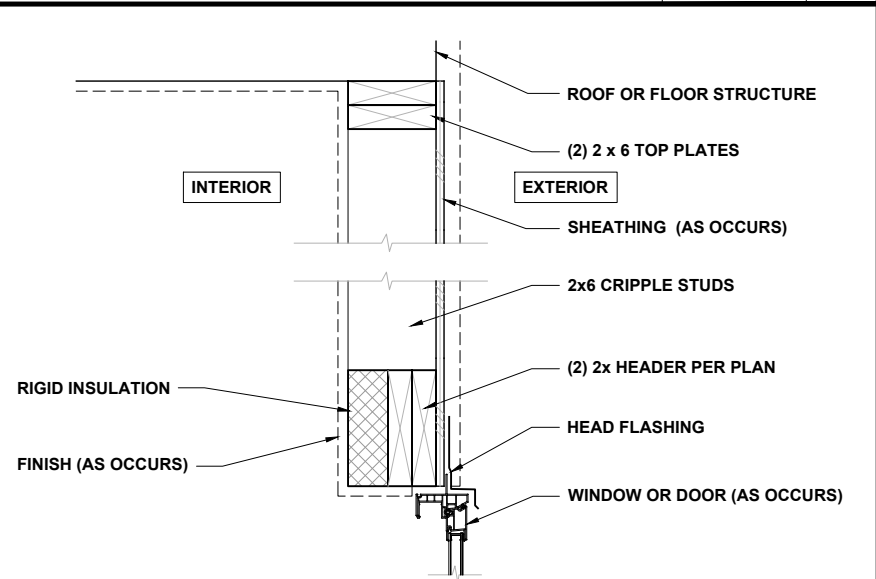
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DROPPED 2x BEAM AT WALL

3/4" = 1'-0"

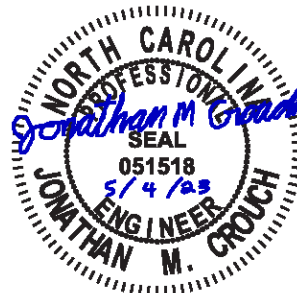
8



HEADER WITH INSULATION

1" = 1'-0"

9



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CLIENT: **MATTAMY HOMES**

PROJECT: **STANDARD DETAILS**

LOCATION: **NORTH CAROLINA**

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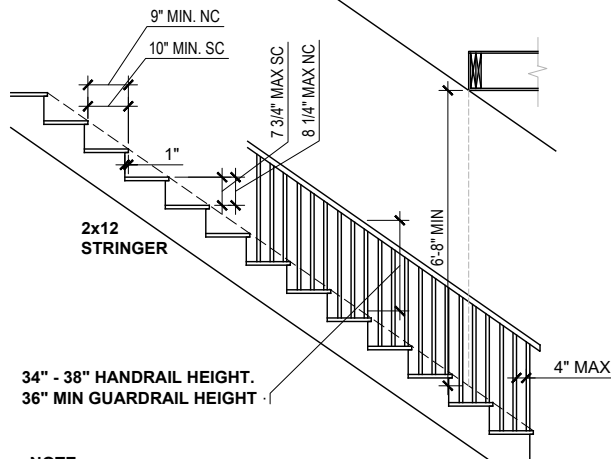
mattamyHOMES

PROJECT NO.: **STANDARD DETAILS**

DATE: **04/27/2023** DRAWN BY: **CAR**

MISCELLANEOUS
FRAMING DETAILS

MISC1

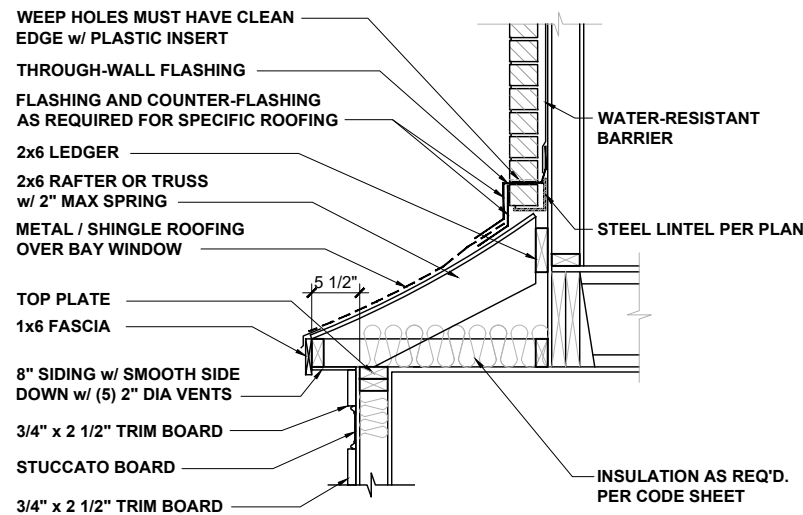


NOTE:
EACH TREAD AND RISER MUST BE UNIFORM,
WITH NO MORE THAN 3/8" MAXIMUM VARIATION.

TYPICAL STAIR REQUIREMENTS

1/4" = 1'-0"

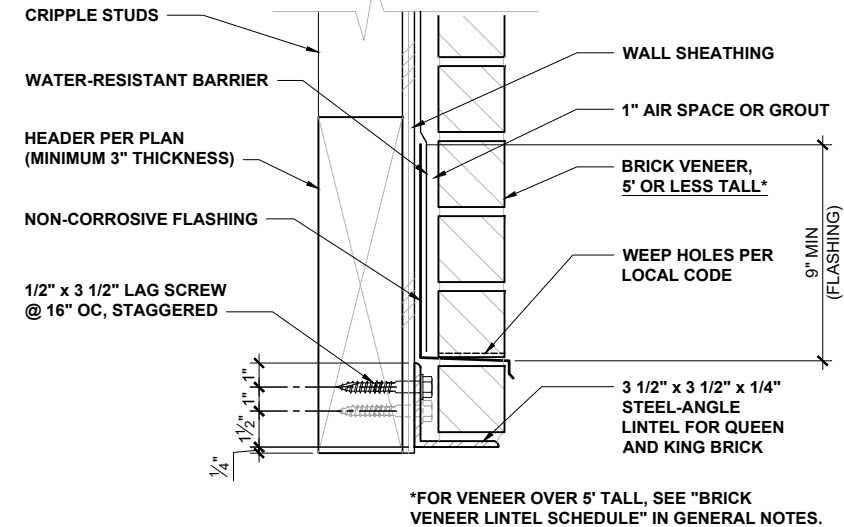
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BAY ROOF

1/2" = 1'-0"

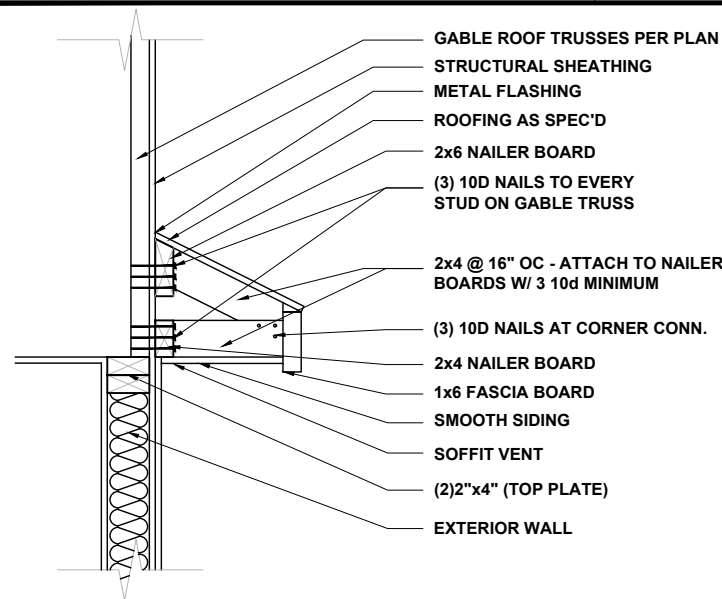
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ALTERNATE LINTEL AT WIDE OPENING

1 1/2" = 1'-0"

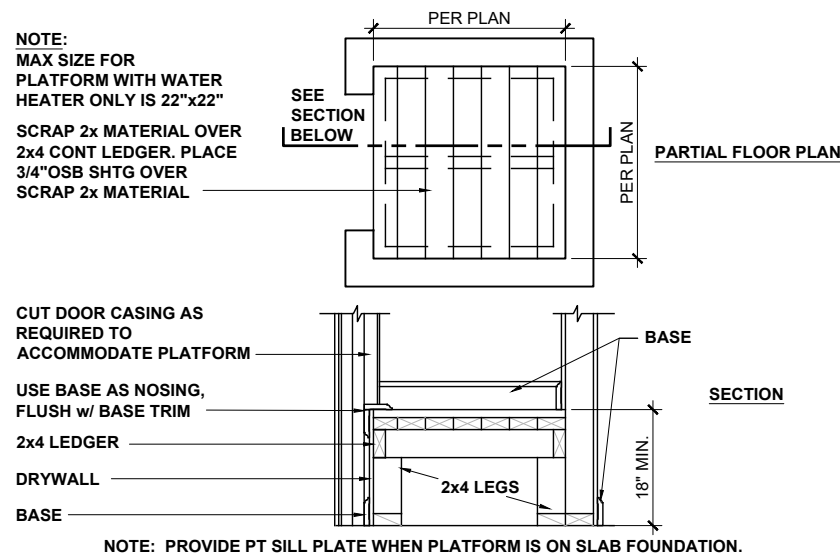
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GABLE ROOF RETURN

3/4" = 1'-0"

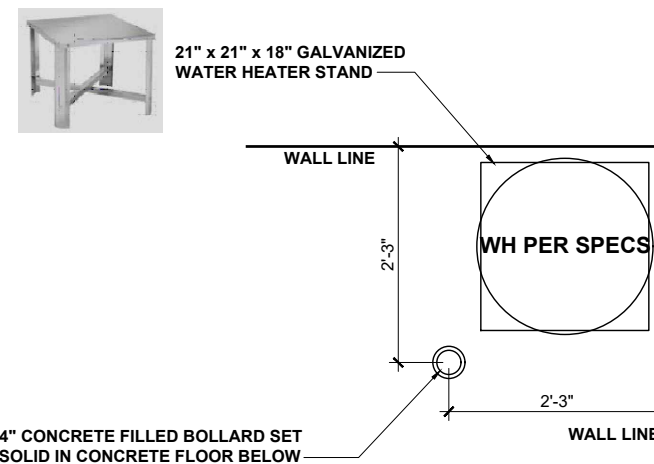
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HVAC / WATER HEATER CLOSET

1/2" = 1'-0"

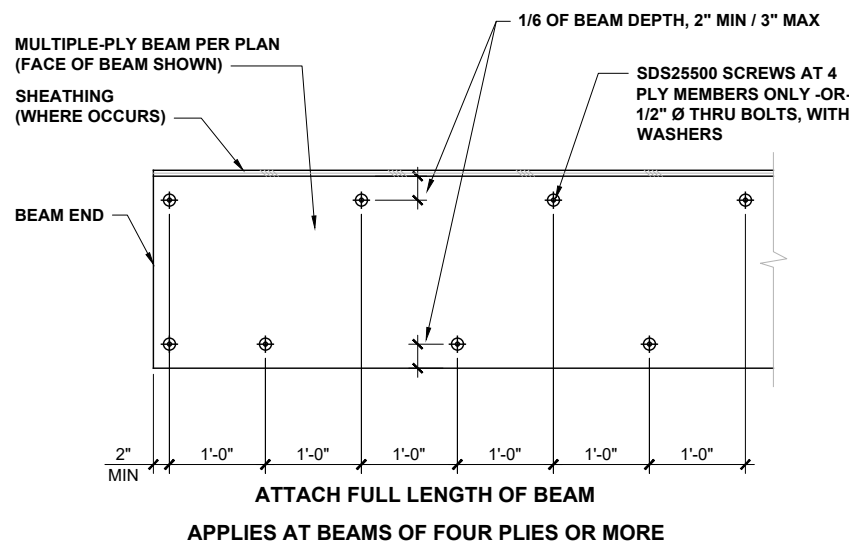
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WATER HTR PLATFORM IN GARAGE

1/2" = 1'-0"

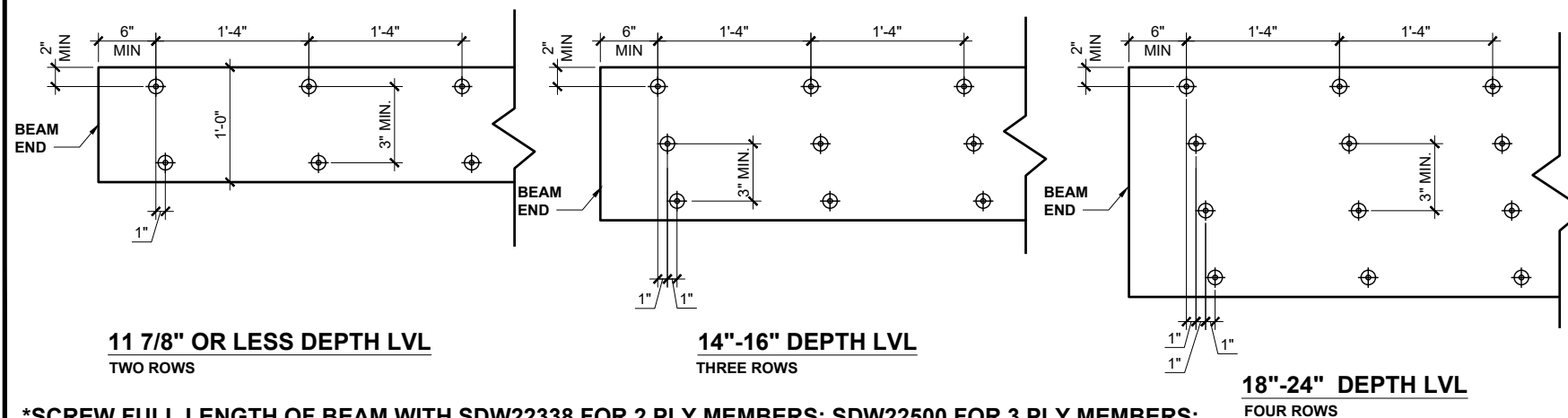
6



2x BEAM ATTACHMENT

1/2" = 1'-0"

7



LVL BEAM SCREW ATTACHMENT METHODS

NTS

8



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CLIENT:
MATTAMY HOMES

PROJECT:
STANDARD DETAILS

LOCATION:
NORTH CAROLINA

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



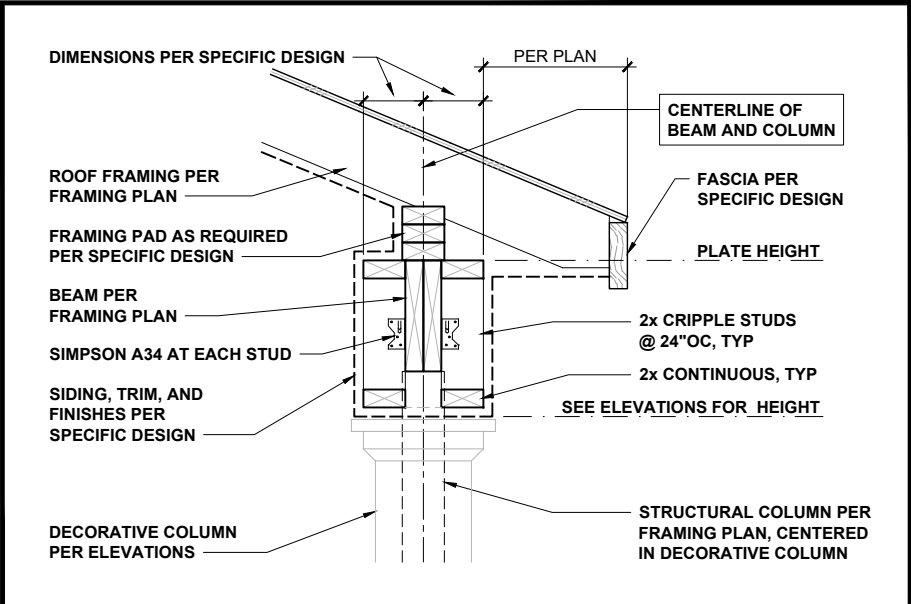
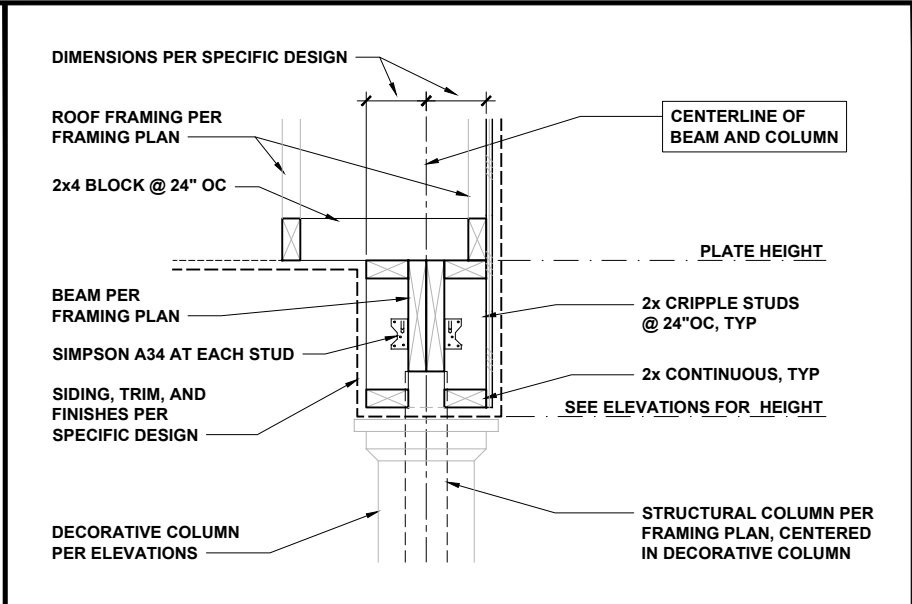
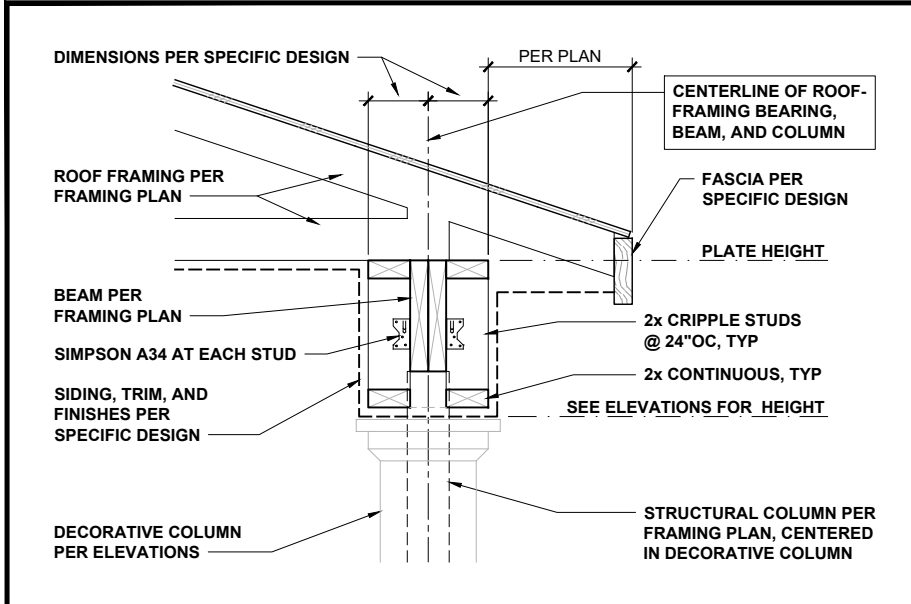
PROJECT NO.:
STANDARD DETAILS

DATE:
04/27/2023

DRAWN BY:
CAR

MISCELLANEOUS
FRAMING DETAILS

MISC2



COVERED PORCH EAVES

3/4" = 1'-0"

1

COVERED PORCH RAKE

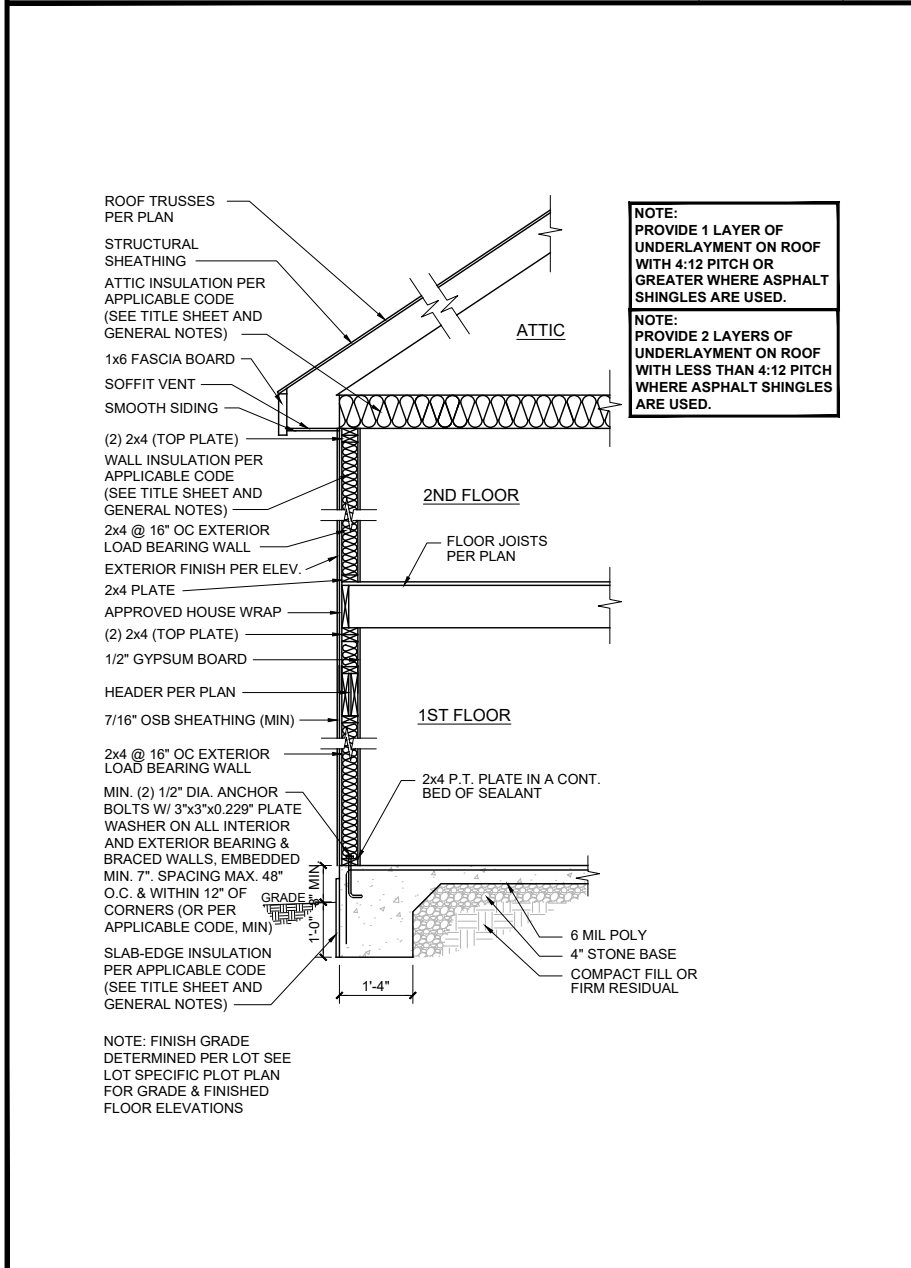
3/4" = 1'-0"

2

COVERED PORCH WITH SLOPING CLG

3/4" = 1'-0"

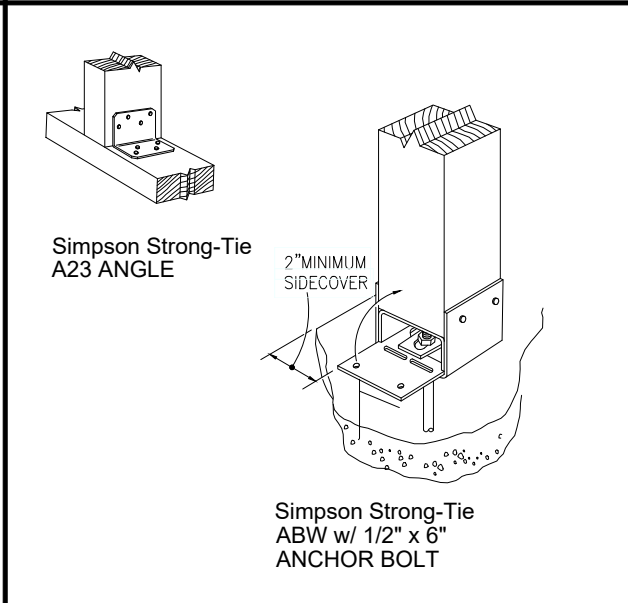
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TWO-STORY ON SLAB

NTS

4



DK POST HOLD-DOWN

NTS

5

GOAL-POST FRAMING

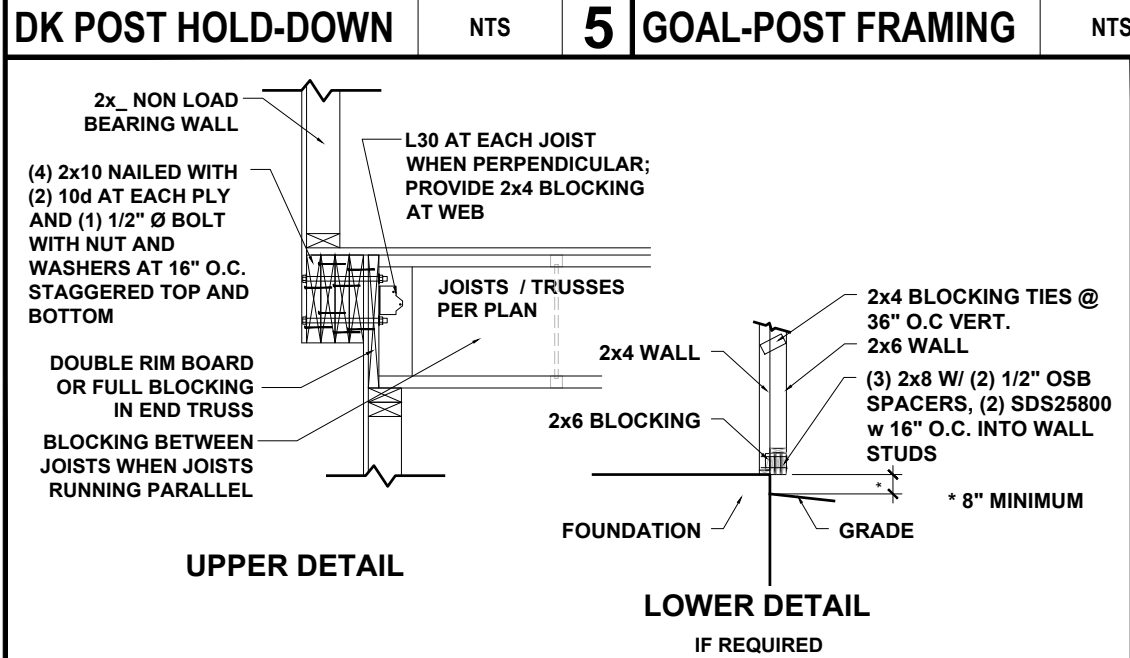
NTS

6

INTERIOR COL.

3" = 1'-0"

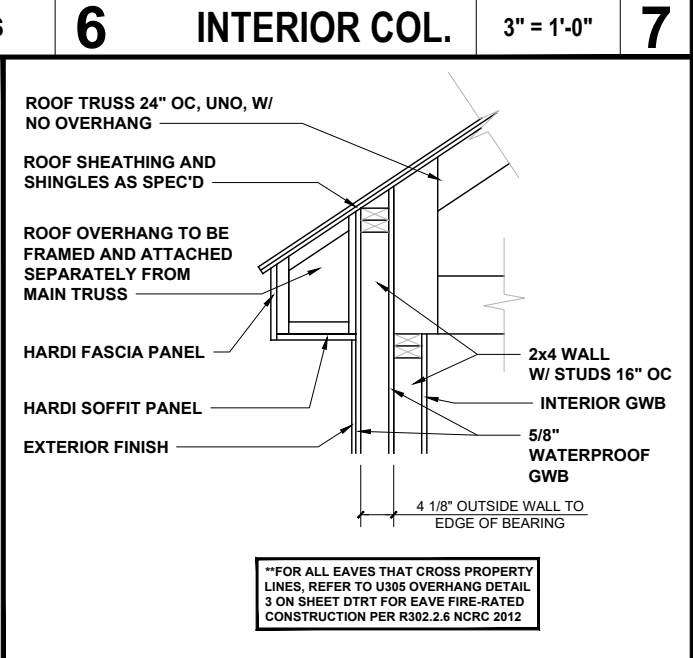
7



6" ENHANCED SIDE BOXOUT DETAILS

1/2" = 1'-0"

8



U305 SEC. AT OVERHANG

1/2" = 1'-0"

9

NORTH CAROLINA PROFESSIONAL SEAL
JONATHAN M. CROUCH
ENGINEER
051518
5/4/23
P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY
JDS Consulting PLLC, 8600 D JERSEY CT, RALEIGH, NC 27617 919.480.1075
INFO@JDSCONSULTING.NET, WWW.JDSCONSULTING.NET

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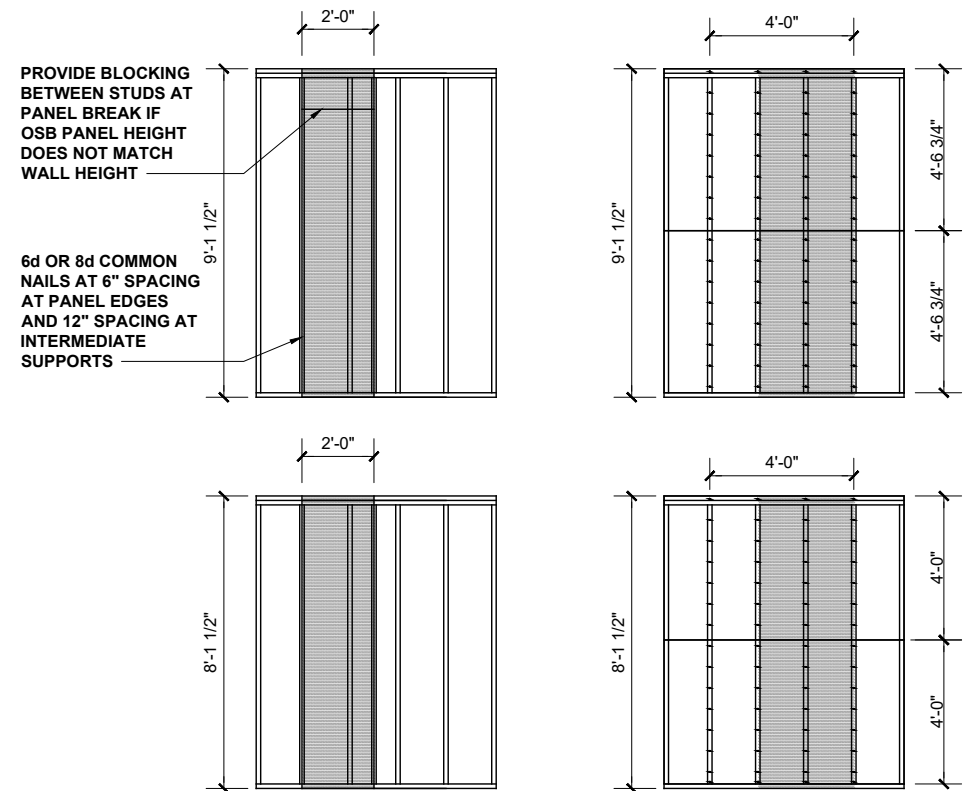
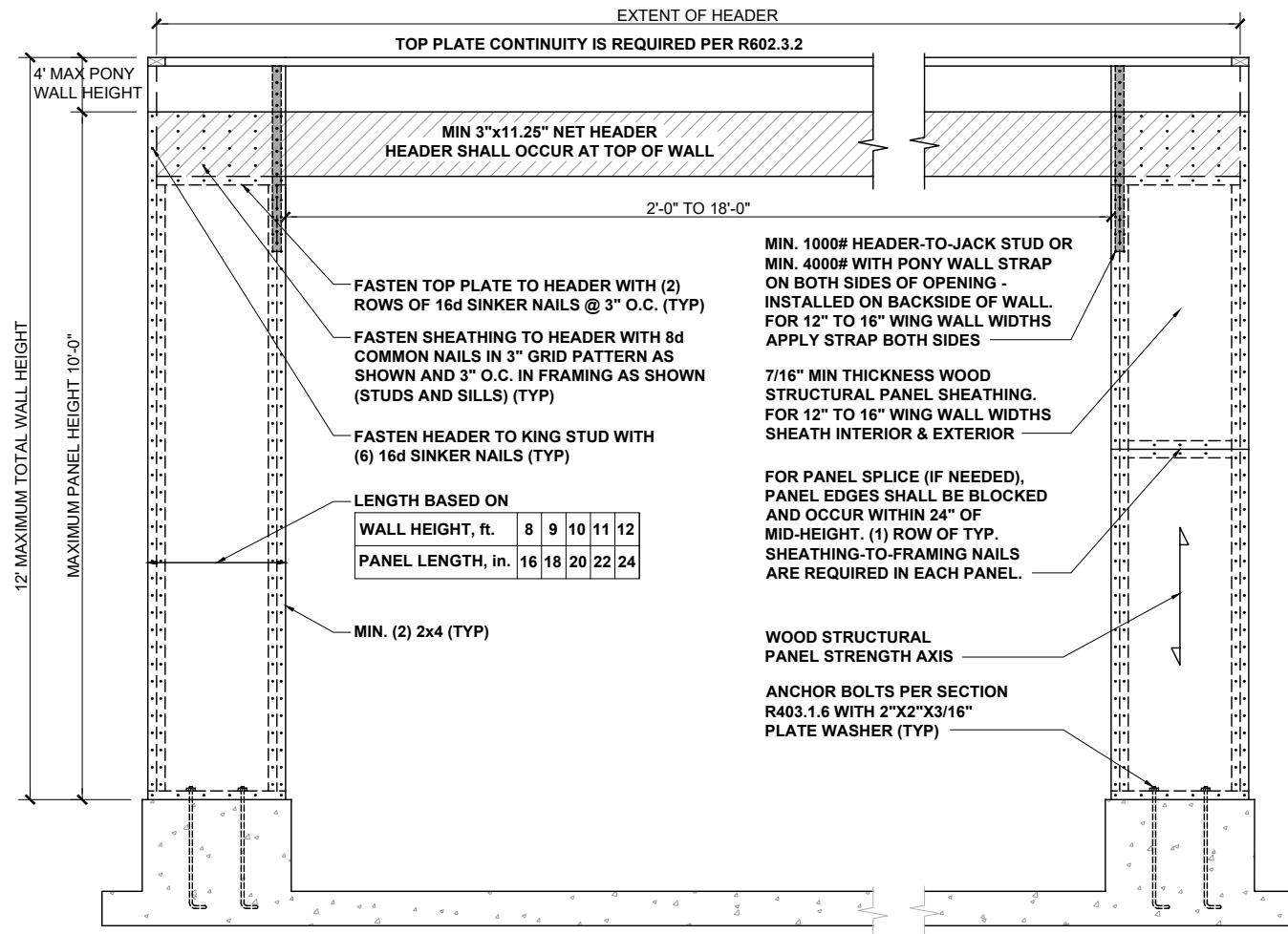
CLIENT: **MATTAMY HOMES**
PROJECT: **STANDARD DETAILS**
LOCATION: **NORTH CAROLINA**
SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED

mattamyHOMES

PROJECT NO.: **STANDARD DETAILS**
DATE: **04/27/2023**
DRAWN BY: **CAR**

MISCELLANEOUS FRAMING DETAILS

MISC3



CS-WSP - WOOD STRUCTURAL PANEL (CONTINUOUSLY SHEATHED)

BRACED WALL PANEL 7/16" MIN. OSB SHEATHING ON ONE SIDE OF WALL. MINIMUM PANEL LENGTH 24".

GB - GYPSUM BOARD

BRACED WALL PANEL 1/2" GYPSUM BOARD NAILED TO STUDS AT 7" O.C. USING 5d COOLER NAILS OR #6 SCREWS. MINIMUM PANEL LENGTH 48" WHEN APPLIED TO BOTH SIDES OF WALL AND 96" WHEN APPLIED TO ONE SIDE OF WALL.

HIGH-SPEED WIND ZONES

FOR LOCATIONS OF 130 MPH OR MORE ULTIMATE DESIGN WIND SPEED (110 MPH OR MORE BASIC WIND SPEED IN VIRGINIA AND GEORGIA), WALLS SHALL BE BRACED PER THE LATEST ADOPTED EDITION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION ASCE 7 OR STANDARD FOR RESIDENTIAL CONSTRUCTION IN HIGH-WIND REGIONS (ICC 600).

METHOD PF: PORTAL FRAME PANEL CONSTRUCTION

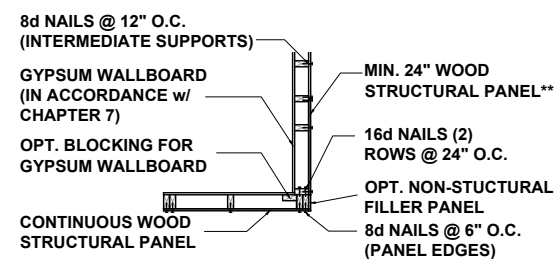
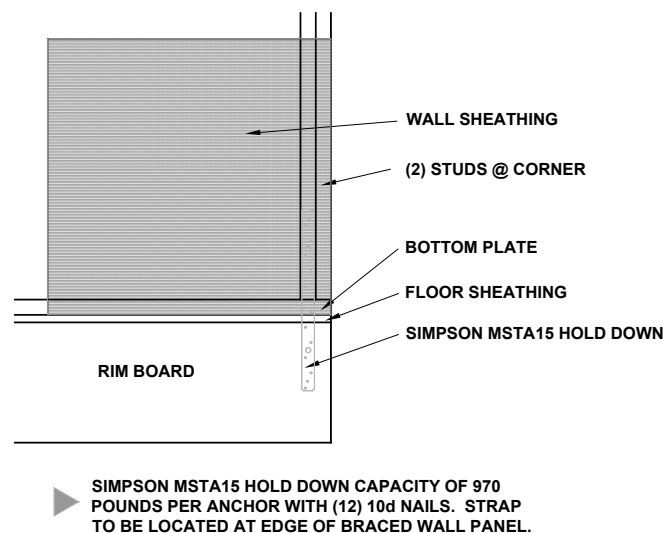
3/8" = 1'-0"

1

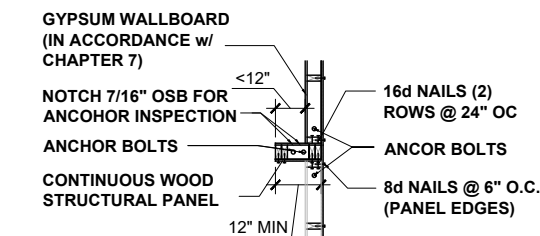
BRACING METHODS

3/16" = 1'-0"

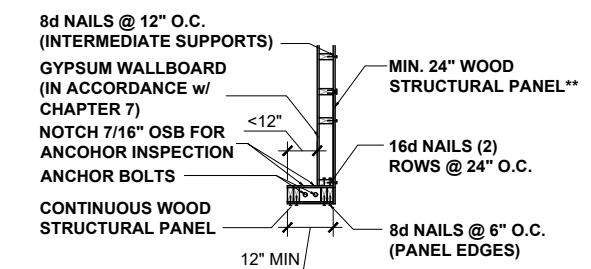
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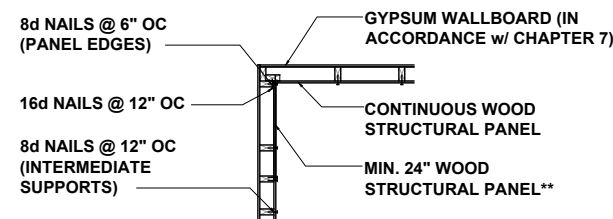
A) GARAGE DOOR CORNER



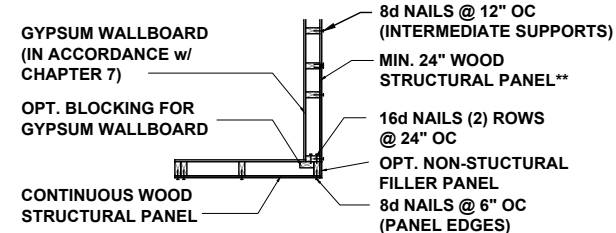
B) GARAGE T-WALL PORTAL FRAMING 16"-12"



C) GARAGE DOOR CORNER PORTAL FRAMING 16"-12"



D) ALT. INSIDE CORNER DETAIL



E) ALT. OUTSIDE CORNER DETAIL

** IN LIEU OF THE CORNER RETURN, A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE CORNER STUD AND TO THE FOUNDATION OR FRAMING BELOW.

BRACED WALL HOLD-DOWN

NTS

3

CORNER FRAMING FOR CONTINUOUS SHEATHING

1/4" = 1'-0"

4



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CLIENT: MATTAMY HOMES

PROJECT: STANDARD DETAILS

LOCATION: NORTH CAROLINA

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



PROJECT NO.: STANDARD DETAILS

DATE: 04/27/2023 DRAWN BY: CAR

WALL BRACING DETAILS

DTWB

