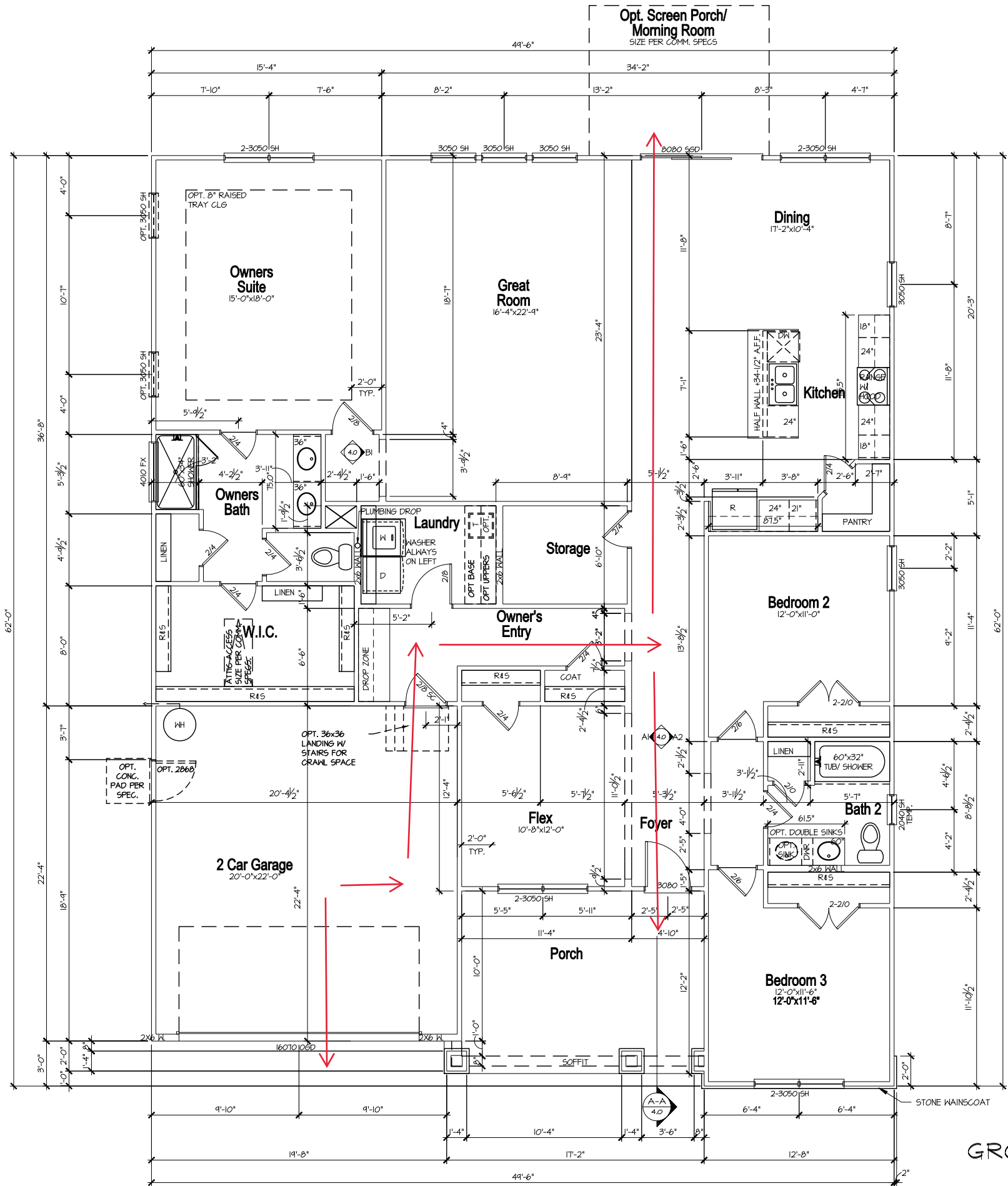


89 Seagrass Landing Model Fire Exit Plan



- FLOOR PLAN NOTES**
1. ALL FRAMED OPENINGS (F.O.) @ 96" ON 1ST FLOOR & 84" ON 2ND FLOOR U.N.O.
 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. ALL INTERIOR DOOR HEIGHTS PER COMMUNITY SPECS U.N.O.

Reviewed for Fire Code Compliance
Roger Sullivan
10/13/2025 2:44:57 PM

mattamyHOMES

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 27606-919480.1075
INFO@JDSCONSULTING.NET; WWW.JDSCONSULTING.NET

JDS Consulting PLLC IS NOT LIABLE FOR CHANGES MADE TO PLANS DUE TO CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD BY CONTRACTOR, OR BY OTHERS. DRAWINGS ARE PROVIDED TO CLIENT FOR THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

CLIENT: MATTAMY HOMES

PROJECT: CLEARWATER -LH

LOCATION: NORTH CAROLINA

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

PROJECT NO.: 25901141

DATE: 04/28/2025

DRAWN BY: CAR

MAIN FLOOR PLAN

1.0

GROUND FLOOR PLAN - CRAFTSMAN

*Each section below must be filled out by whoever is performing the work. Must be owner or licensed contractor. Address, company name & phone must match information on state license.

Application # _____
Harnett County Central Permitting
420 McKinney Pkwy Lillington, NC 27546
PO Box 65 Lillington, NC 27546
910-893-7525 ext. 1 Fax 910-893-2793 www.harnett.org/permits

COMMERCIAL

Application for Building and Trades Permit

Owner's Name: Mattamy Homes LLC Date: 7/9/2025

Site Address: TBD, 0528-55-6982.000 Phone: 919-233-3886

Directions to job site from Lillington: _____

Subdivision: Seagrass Landing Lot: 89

Description of Proposed Work: Single Family Home Model

Heated SF 458 Unheated SF _____

General Contractor Information: Building Cost \$ 29770

Mattamy Homes LLC 919-233-3886

Building Contractor's Company Name Telephone

11000 Regency Pkwy, Cary NC 27518 _raleigh_planreview@mattamycorp.com

Address Email Address

49775

Signature of Owner/Contractor/Officer(s) of Corporation License #

Electrical Contractor Information: Electrical Cost \$ 893.10

Description of Work _____ Service Size: _____ Amps #T-Poles _____

Romanoff Electrical Residential LLC 919-848-4652

Electrical Contractor's Company Name Telephone

3006 Industrial Drive, Raleigh NC 27609

Address Email Address

12915

Signature of Owner/Contractor/Officer(s) of Corporation License #

Mechanical Contractor Information: Mechanical Cost \$ 1488.50

Description of Work _____ # Units _____

A. Maynor Heating & Air Conditioning Inc. 919-683-2421

Mechanical Contractor's Company Name Telephone

1094 Classic Road, Apex NC 27539

Address Email Address

12309

Signature of Owner/Contractor/Officer(s) of Corporation License #

Plumbing Contractor Information: Plumbing Cost \$ 1190.80

Description of Work _____ # Baths _____

Barbour & Pourron Plumbing Inc. 919-533-4455

Plumbing Contractor's Company Name Telephone

PO Box 934, Clayton NC 27528

Address Email Address

27132

Signature of Owner/Contractor/Officer(s) of Corporation License #

Insulation Contractor Information

Live Green Inc. 5001 Old Poole Road, Raleigh NC 27610 919-453-6411

Insulation Contractor's Company Name & Address Telephone

***NOTE: General Contractor must fill out and sign the second page of this application**

Sprinkler Contractor Information

Sprinkler Contractor's Company Name

Telephone

Address

Email Address

Signature of Officer(s) of Corporation

License #

Fire Alarm Contractor Information

Fire Alarm Contractor's Company Name

Telephone

Address

Email Address

Signature of Officer(s) of Corporation

License #

Driveway Access - NC Department of Transportation Driveway Access/Permit? ____ Yes ____ No

I hereby certify that I have the authority to make necessary application, that the application is correct and that the construction will conform to the regulations in the Building, Electrical, Plumbing and Mechanical codes, and the Harnett County Zoning Ordinance. I state the information on the above contractors is correct as known to me and if **any** changes occur including listed contractors, site plan, number of bedrooms, building and trade plans, Environmental Health permit changes or proposed use changes, I certify it is my responsibility to notify the Harnett County Central Permitting Department of any and all changes.

Expired Permit Fees - 6 months to 2 years permit re-issue fee is \$150.00. After 2 years re-issue fee is charged at full price per current fee schedule.

Drew Brody

Signature of Owner/Contractor/Officer(s) of Corporation

7/9/2025

Date

Affidavit for Worker's Compensation N.C.G.S. 87-14

The undersigned applicant being the:

☒ General Contractor ____ Owner ____ Officer/Agent of the Contractor or Owner

Do hereby confirm under penalties of perjury that the person(s), firm(s) or corporation(s) performing the work set forth in the permit:

☒ Has three (3) or more employees and has obtained workers' compensation insurance to cover them.

____ Has one (1) or more subcontractors(s) and has obtained workers' compensation insurance to cover them.

☒ Has one (1) or more subcontractors(s) who has their own policy of workers' compensation insurance covering themselves.

____ Has no more than two (2) employees and no subcontractors.

While working on the project for which this permit is sought it is understood that the Central Permitting Department issuing the permit may require certificates of coverage of worker's compensation insurance prior to issuance of the permit and at any time during the permitted work from any person, firm or corporation carrying out the work.

Company or Name: Mattamy Homes LLC

Sign w/Title: Drew Brody

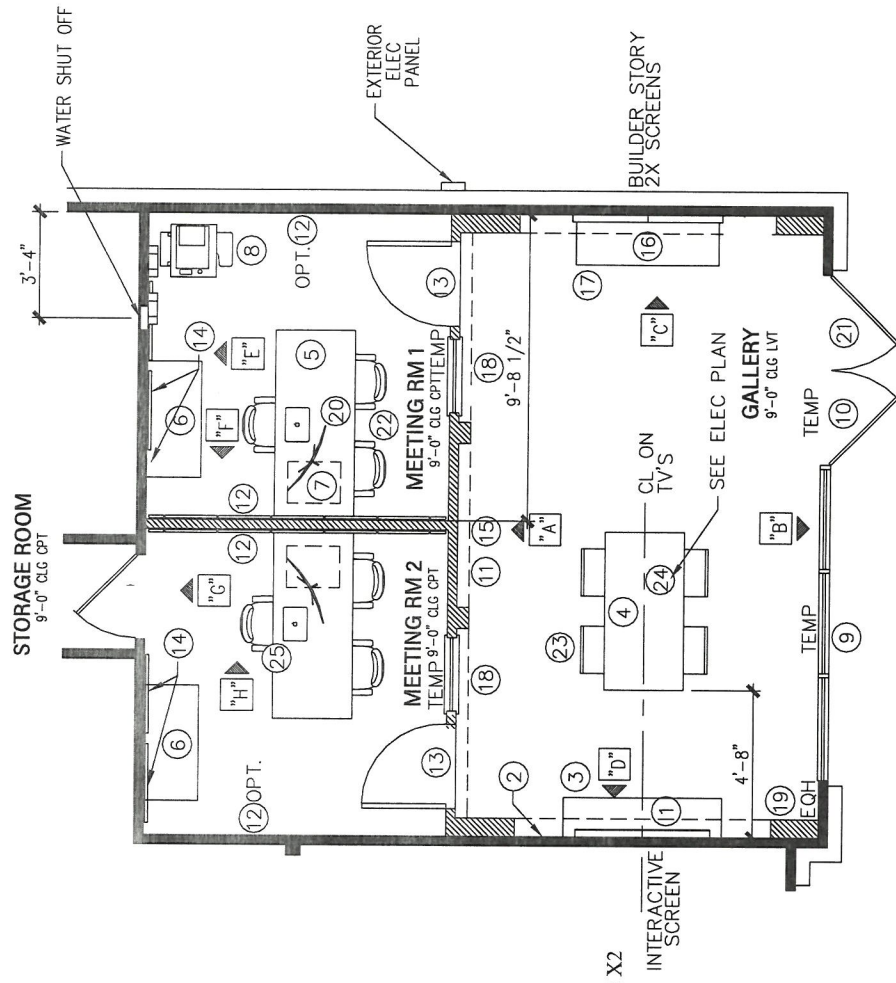
Operations Coordinator

Date: 7/9/2025

NEW HOME GALLERY MANUAL | STANDARD 20X20 GARAGE FLOORPLAN

MODEL DESCRIPTIONS:

- 1 - 65" 4K INTERACTIVE TOUCH MONITOR
- 2 - ACOUSTICAL SLAT WALL PANEL x8
- 3 - ROOM & BOARD "HOVER" WALL MOUNTED CABINET (60"WX15"DX12"H)
- 4 - ROOM & BOARD "LINDEN" TABLE (60"WX30"DX36"H)
- 5 - ROOM & BOARD "RAMSEY" DESK (72"WX30"DX36"H) x2
- 6 - ROOM & BOARD "HUDSON" FILE CABINET (44"WX16"DX28"H) x2
- 7 - LAURA "STOCKPILE" UNDER TABLE FILE CABINET (16"WX20"DX24"H) x2
- 8 - COPIER
- 9 - STOREFRONT WITH TEMPERED GLASS
- 10 - 6080 STOREFRONT DOOR WITH TEMPERED GLASS
- 11 - FELT HEXAGONS TILES - SEE INTERIOR ELEVATION "A"
- 12 - LARGE ENGRAVED TILES - KNOT STYLE - LATTE COLOR (24"WX24"H) x60
- 13 - 2868 1-LITE DOOR
- 14 - LIFESTYLE DISPLAY (30"WX48"H) x4
- 15 - MATTAMY BACKLIT LOGO SIGN
- 16 - 55" 4K MONITOR - X2 SCREENS
- 17 - FLINT IVORY FABRIC BENCH (54"WX19"DX18"H)
- 18 - 2460 FX WINDOW - TEMPERED
- 19 - EQUAL HOUSING DISPLAY
- 20 - MONITOR x2
- 21 - VINYL OFFICE HOURS
- 22 - ROOM & BOARD OLSEN CHAIR SUMNER NAVY X4
- 23 - ROOM & BOARD "AFTON" W/FLINT IVORY FABRIC X4
- 24 - ROOM & BOARD "FAIRBANKS" PENDANT (26"DIAx15"H) - SEE ELEC PLAN
- 25 - LAURA WAVERLY MESH GREY / DARK GREY FRAME MEETING ROOM CHAIRS X2





NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Chief Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Submittal Includes: ☐ (a2) Improvement Permit ☐ (a2) Construction Authorization ☐ Fee \$ _____

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)

County: _____

PIN/Lot Identifier: _____

Issued To: _____

Property Location: _____

Subdivision (if applicable) _____ Lot #: _____ Block: _____ Section: _____

LSS Report Provided: Yes ☐ No ☐

If yes, name and license number of LSS: _____

New ☐

Expansion ☐

System Relocation ☐

Change of Use ☐

Facility Type: _____

Number of bedrooms: _____ Number of Occupants: _____ Other: _____

Design Wastewater Strength: ☐ Domestic ☐ High Strength ☐ Industrial Process Wastewater

Proposed Design Daily Flow: _____ GPD Proposed LTAR (Initial): _____ Proposed LTAR (Repair): _____

Proposed Wastewater System Type*: _____ (Initial) Pump Required: ☐ Yes ☐ No ☐ May be required

Proposed Wastewater System Type*: _____ (Repair) Pump Required: ☐ Yes ☐ No ☐ May be required

**Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*

Effluent Standard: ☐ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCW

Saprolite System (Initial): ☐ Yes ☐ No Saprolite System (Repair): ☐ Yes ☐ No

Fill System (Initial): ☐ Yes ☐ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Fill System (Repair): ☐ Yes ☐ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Usable Depth to LC (Initial)*: _____ Usable Depth to LC (Repair)*: _____ *** Limiting Condition**

Max. Trench Depth (Initial)*: _____ Max. Trench Depth (Repair)*: _____ *** Measured on the downhill side of the trench**

Artificial Drainage Required: ☐ Yes ☐ No If yes, please specify details: _____

Type of Water Supply: ☐ Private well ☐ Public well ☐ Shared well ☐ Municipal Supply ☐ Spring ☐ Other: _____

Drainfield location meets requirements of Rule .0508: Yes ☐ No ☐ Drainfield location meets requirements of Rule .0601: Yes ☐ No ☐

Permit valid for: ☐ Five years [site plan submitted pursuant to GS 130A-334(13a)] ☐ No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

Licensed Soil Scientist Print Name: _____

Licensed Soil Scientist Signature: Alex Adams Date: _____

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch

This Section for Local Health Department Use Only

Initial submittal received: _____ by _____
Date Initials

G.S. 130A-335(a3) states the following:

When an applicant for an Improvement Permit submits to a local health department an Improvement Permit application, the permit fee charged by the local health department, the common form developed by the Department, and a soil evaluation pursuant to subsection (a2) of this section, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Improvement Permit includes all of the required components. If the local health department determines that the Improvement Permit is incomplete, the local health department shall notify the applicant of the components needed to complete the Improvement Permit. The applicant may submit additional information to the local health department to cure the deficiencies in the Improvement Permit. The local health department shall make a final determination as to whether the Improvement Permit is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The Department shall develop a common form for use as the Improvement Permit.

The review for completeness of this Improvement Permit was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the LSS and the Applicant on _____
Date

State Authorized Agent: _____ Date: _____

☐ Complete

State Authorized Agent: _____ Date: _____

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. *This permit is subject to revocation if the site plan, plat, or the intended use changes.*** The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of 15A NCAC 18E and to the conditions of this permit.**

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: _____

See attached site sketch

Re-submittal of Improvement Permit

LHD USE ONLY: This IP resubmittal received: _____ by _____
Date *Initials*

The following items are being resubmitted pursuant to G.S. 130A-335(a3) for issuance of the Improvement Permit:

I, _____ hereby attest that the information required to be included with this re-submittal
Licensed Soil Scientist (Print Name)
is accurate and complete to the best of my knowledge and that the proposed Improvement Permit meets all applicable federal,
State, and local laws, regulations, rules, and ordinances.

Signature of Licensed Soil Scientist

Date

The section below is for Local Health Department use after submittal of items noted as missing above.

LHD Follow-up Completeness Review of Improvement Permit

The review for completeness of this Improvement Permit re-submittal was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the LSS and the Applicant on _____
Date

State Authorized Agent: _____

Date: _____

☐ Complete

State Authorized Agent: _____

Date: _____



Permit/File #: _____

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County: _____

Pre-Construction Conference Required: Yes ☐ No ☐

PIN/Lot Identifier: _____

Issued To: _____

Property Location: _____

AOWE/PE Plans/Evaluations Provided: Yes ☐ No ☐ If yes, name and license number of AOWE/PE: _____

Facility Type: _____

Number of bedrooms: _____ Number of Occupants: _____ Other: _____

☐ New ☐ Expansion ☐ Repair ☐ System Relocation ☐ Change of UseBasement? ☐ Yes ☐ No Basement Fixtures? ☐ Yes ☐ NoCrawl Space? ☐ Yes ☐ No Slab Foundation? ☐ Yes ☐ No

Type of Wastewater System* _____ (Initial) _____ (Repair)

**Please include system classification for proposed wastewater system types in accordance with Rule .1301 Table XXXII*Design Daily Flow: _____ GPD Wastewater Strength: ☐ Domestic ☐ High Strength ☐ Industrial Process WWSession Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? ☐ Yes ☐ No
(if yes, please provide engineering documentation)Effluent Standard: ☐ DSE ☐ HSE ☐ NSF/ANSI 40 ☐ TS-I ☐ TS-II ☐ RCWType of Water Supply: ☐ Private well ☐ Public well ☐ Shared well ☐ Municipal Supply ☐ Spring ☐ Other: _____**Installation Requirements/Conditions**

Septic Tank Size: _____ gallons Total Trench/Bed Length: _____ feet Trench/Bed Spacing: _____ feet on center

Trench/Bed Width: _____ inches LTAR: _____ gpd/ft² Usable Depth to LC (Initial)*: _____ ***Limiting condition**Soil Cover: _____ inches Slope Corrected Maximum Trench/Bed Depth*: _____ inches ***Measured on the downhill side of the trench**Pump Tank Size (if applicable): _____ gallons Requires more than 1 pump? ☐ Yes ☐ No

Pump Requirements: _____ ft. TDH vs. _____ GPM Grease Trap Size (if applicable): _____ gallons

Distribution Method: ☐ Serial ☐ D-Box or Parallel ☐ Pressure Manifold(s) ☐ LPP ☐ Other: _____Artificial Drainage Required: Yes ☐ No ☐ If yes, please specify details: _____**Legal Agreements** (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)Multi-party Agreement Required [.0204(g)]: ☐ Yes ☐ No Declaration of Restrictive Covenants: ☐ Yes ☐ NoEasement, Right-of-Way, or Encroachment Agreement Required [.0301(b)]: ☐ Yes ☐ NoManagement Entity Required: ☐ Yes ☐ No Minimum O&M Requirements: _____

Permit conditions:

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached site sketch. ***This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes.*** The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of 15A NCAC 18E, or 15A NCAC 18A .1900, as applicable, and to the conditions of this permit.

AOWE/PE Print Name: _____

AOWE/PE Signature: Alex Adams Date: _____

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch

This Section for Local Health Department Use Only

Initial submittal received: _____ by _____
Date Initials

G.S. 130A-335(a5) states the following:

When an applicant for a Construction Authorization, or an Improvement Permit and Construction Authorization together, submits a Construction Authorization, or an Improvement Permit and Construction Authorization application together, the permit fee charged by the local health department, the common form developed by the Department, and any necessary signed and sealed plans or evaluations conducted by a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Construction Authorization or Improvement Permit and Construction Authorization includes all of the required components. If the local health department determines that the Construction Authorization or Improvement Permit and Construction Authorization is incomplete, the local health department shall notify the applicant of the components needed to complete the Construction Authorization or Improvement Permit and Construction Authorization. The applicant may submit additional information to the local health department to cure the deficiencies in the Construction Authorization or Improvement Permit and Construction Authorization. The local health department shall make a final determination as to whether the Construction Authorization or Improvement Permit and Construction Authorization is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The applicant may apply for the building permit for the project upon the decision of completeness of the Construction Authorization or Improvement Permit and Construction Authorization by the local health department or if the local health department fails to act within five business days. The Authorized On-Site Wastewater Evaluator or licensed engineer submitting the evaluation pursuant to this subsection may request that the local health department revoke or suspend the Construction Authorization or Improvement Permit and Construction Authorization for cause. Upon written request of the Authorized On-Site Wastewater Evaluator or licensed engineer, the local health department shall suspend or revoke the Construction Authorization or Improvement Permit and Construction Authorization pursuant to G.S. 130A-23. The Department shall develop a common form for use as the Construction Authorization.

The review for completeness of this Construction Authorization was conducted in accordance with G.S. 130A-335(a5). This

Construction Authorization is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing: _____

Copies of this were sent to the AOWE/PE and the Applicant on _____
Date

State Authorized Agent: _____ Date: _____

☐ Complete

State Authorized Agent: _____ Date of Issuance: _____

This Construction Authorization is issued pursuant to G.S. 130A-335(a2) and (a5) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: _____

See attached site sketch

Re-submittal of Construction Authorization

LHD USE ONLY: This CA resubmittal received: _____ by _____
Date Initials

The following items are being resubmitted pursuant to G.S. 130A-335(a5) for issuance of the Construction Authorization:

I, _____ hereby attest that the information required to be included with this re-submittal
Authorized Onsite Wastewater Evaluator (Print Name)
is accurate and complete to the best of my knowledge and that the proposed Construction Authorization meets all applicable federal, State, and local laws, regulations, rules, and ordinances.

Signature of Authorized On-Site Wastewater Evaluator

Date

The section below is for Local Health Department use after submittal of items noted as missing above.

LHD Follow-up Completeness Review of Construction Authorization

The review for completeness of this Construction Authorization re-submittal was conducted in accordance with G.S. 130A-335(a5). This Construction Authorization is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the AOWE/PE and the Applicant on _____
Date

State Authorized Agent: _____

Date: _____

☐ Complete

State Authorized Agent: _____

Date: _____



Adams Soil Consulting, PLLC
1676 Mitchell Road
Angier, NC 27501
919-414-6761
alexadams@bcsoil.com

July 28, 2025
Project #2198

“The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3).”

“The plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335 (a2), (a5), and (a6)”

RE: 20 Kindness Way – Lillington, NC (Harnett County) -Lot #89 – Seagrass Landing for Mattamy Homes, LLC (PIN# 0528-55-6982)

To whom it may concern:

Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcel to determine the areas of soils which are suitable for subsurface wastewater disposal systems (conventional & LPP). The soil/site evaluation was performed using hand auger borings during moist soil conditions based on the criteria found in the State Subsurface Rules, State Subsurface Rules, 15ANCAC 18E. From this evaluation, ASC is providing the attached 3-bedroom (360 gallon/day) septic design.

The suitable soils found on the subject property were relatively consistent in the initial and repair areas. The area designated for the initial/primary septic system (see attached septic plan) was found to contain soils with greater than 24 inches in depth before a restrictive horizon was encountered.

Please find the attached wastewater soil/site evaluation forms for specific soil properties found in the initial and repair areas as well as assigned soil long term acceptance rate (LTAR). Numerous soil borings were made throughout the property and representative soil profile descriptions for the primary septic field and repair area are provided. A location sketch for profile descriptions is also attached. The initial and primary septic fields were sized based on a flow rate of 360 gallons/day and utilizing an Accepted Status or PPBPS system. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked.

The septic installer contractor shall install the primary and repair (if needed) system on contour, see attached site plan for the primary system and repair locations. No underground utilities, water lines, or sprinkler systems shall be placed into the initial or repair septic areas. Installation must meet all state and local county regulations for septic system installation. The trenches must be installed in the same location as the site plan. If the installation is in question at the time of installation call me (Alex Adams) at 919-414-6761.

This report discusses the location of provisionally suitable soils identified on the property and does not guarantee the future function of any waste water disposal system installed.

If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime.

Sincerely,



Alex Adams
NC Licensed Soil Scientist #1247
AOWE Certification: 10021E



Seagrass Landing - Lot 89
 3-Bedroom - Septic Design
 20 Kindness Drive - Lillington, NC
 Mattamy Homes, Inc
 Harnett County PIN: 0528-55-6982

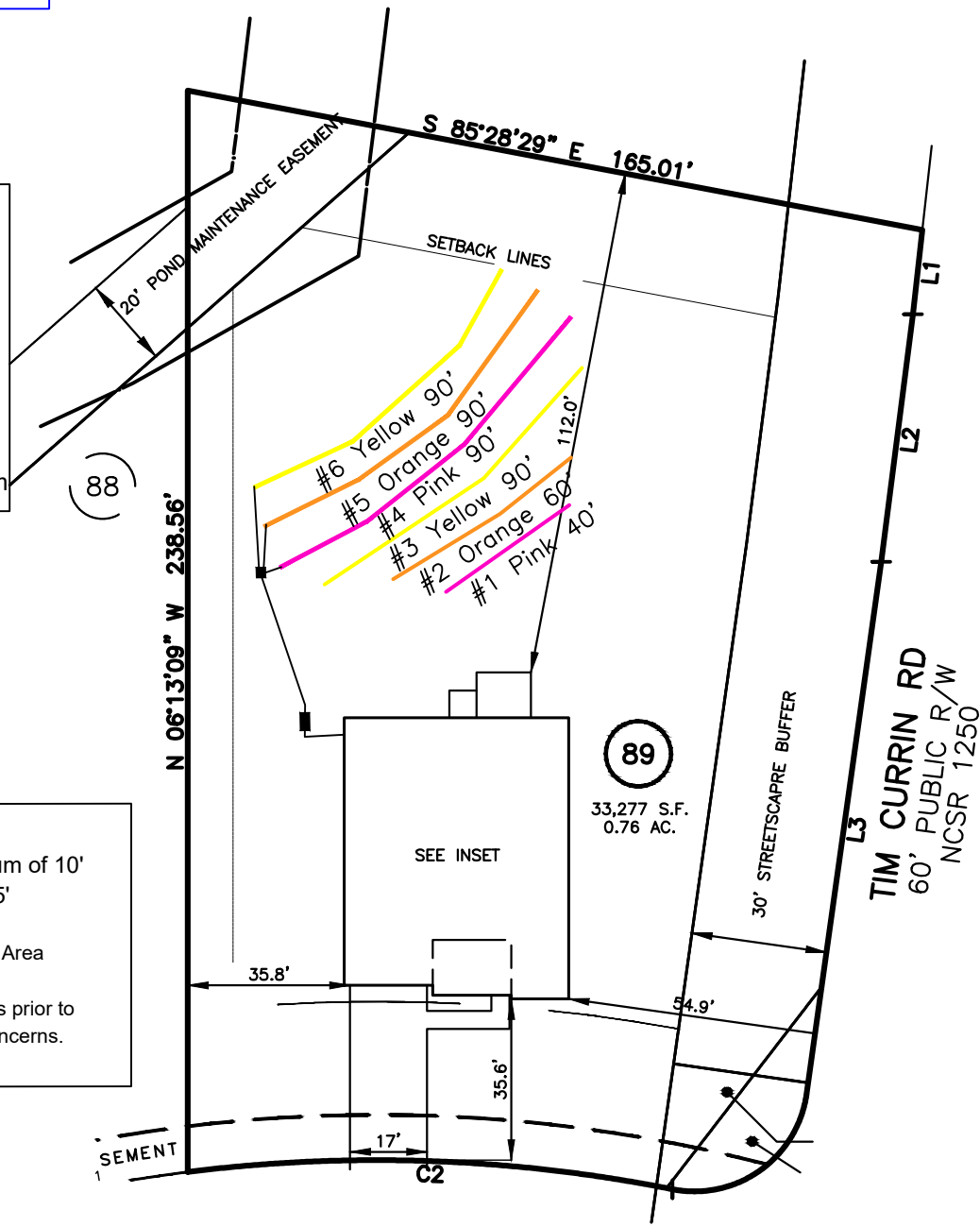
*If plumbing is sufficient then pump requirement
 may be removed and septic system dosed with gravity dispersal.

*Not a Survey
 Sketched from a plot plan supplied by owner

System: Gravity to D-Box
 Lines: 4-6 (270')
 0.4 LTAR
 22" Max Trench Bottom
 Accepted Status System
 Repair: Pressure Manifold
 Lines: 1-3 (190')
 0.4 LTAR
 20" Max Trench Bottom
 T&J Panel Block - 50% Reduction System

**1000 Gallon Septic and Pump Tank
 Tank and trenches to be located minimum of 10'
 from any property line and minimum of 5'
 from any building foundation.
 *Do Not Cut, Fill, or Alter Drainfield or Repair Area
 *Comply with all setbacks
 *Contact local health dept. and/or Alex Adams prior to
 or during installation with any questions or concerns.

Adams
 Soil Consulting
 919-414-6761
 Job #2198
 7-28-25



KINDNESS DR
 50' PUBLIC R/W
 & UTILITY EASEMENT

GRAPHIC SCALE
 1" = 50'



SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Mattamy Homes, LLC
ADDRESS: 20 Kindness Dr
PROPOSED FACILITY: SFH
LOCATION OF SITE: 20 Kindness Dr - Lillington
WATER SUPPLY: Public Municipal Supply
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut

DATE EVALUATED: 7-28-25

PROPOSED DESIGN FLOW (.0400): 360 gpd
PROPERTY SIZE: ~076 ac
PROPERTY RECORDED:
WATER SUPPLY SETBACK:
TYPE OF WASTEWATER: ☒ Domestic ☐ High Strength ☐ IPWW

P R O F I L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1	L/6%	0-22	Gr/LS	VFR, NS,NP	N/A	N/A	N/A	N/A	S/0.4	2"
		22-40	SBK/SCL	FI/SEXP,S						
2	L/6%	0-28	Gr/LS	VFR, NS,NP	N/A	N/A	N/A	N/A	S/0.4	2"
		28-40	SBK/SCL	FI/SEXP,S						
3	L/6%	0-21	Gr/LS	VFR, NS,NP	N/A	N/A	N/A	N/A	S/0.4	2"
		21-40	SBK/SCL	FI/SEXP,S						
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): EVALUATED BY: OTHER(S) PRESENT:
Available Space (.0508)	S	S	
System Type(s)	III(b)	III(b)	
Site LTAR	.4	0.4	
Maximum Trench Depth	22	20	

Comments: _____

Seagrass Landing - Lot 89
Soil Boring Locations
20 Kindness Drive - Lillington, NC
Mattamy Homes, Inc
Harnett County PIN: 0528-55-6982

*If plumbing is sufficient then pump requirement
may be removed and septic system dosed with gravity dispersal.

*Not a Survey
Sketched from a plot plan supplied by owner

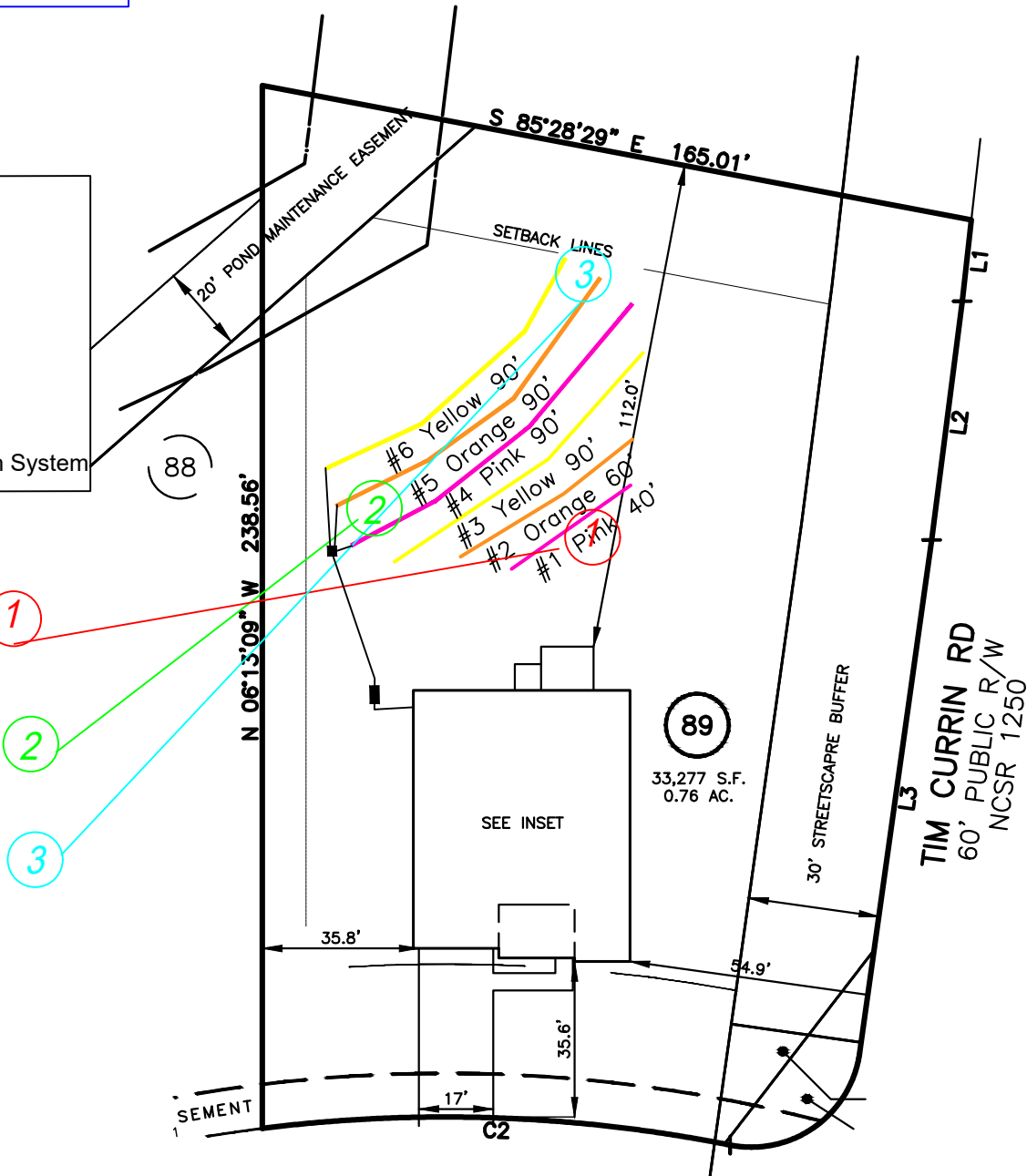
System: Gravity to D-Box
Lines: 4-6 (270')
0.4 LTAR
22" Max Trench Bottom
Accepted Status System
Repair: Pressure Manifold
Lines: 1-3 (190')
0.4 LTAR
20" Max Trench Bottom
T&J Panel Block - 50% Reduction System

Profile Description #1
See Soil/Site Evaluation
Data Form

Profile Description #2
See Soil/Site Evaluation
Data Form

Profile Description #3
See Soil/Site Evaluation
Data Form

Adams
Soil Consulting
919-414-6761
Job #2198
7-28-25

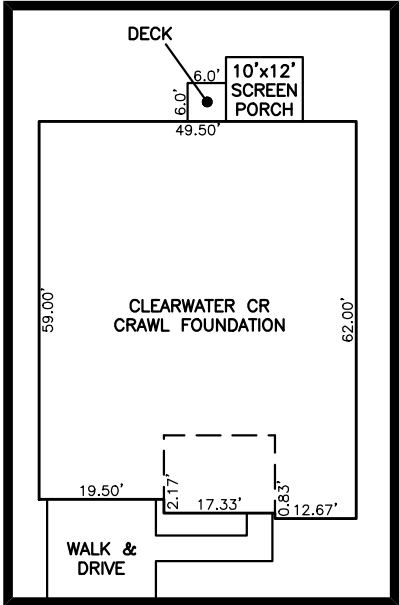
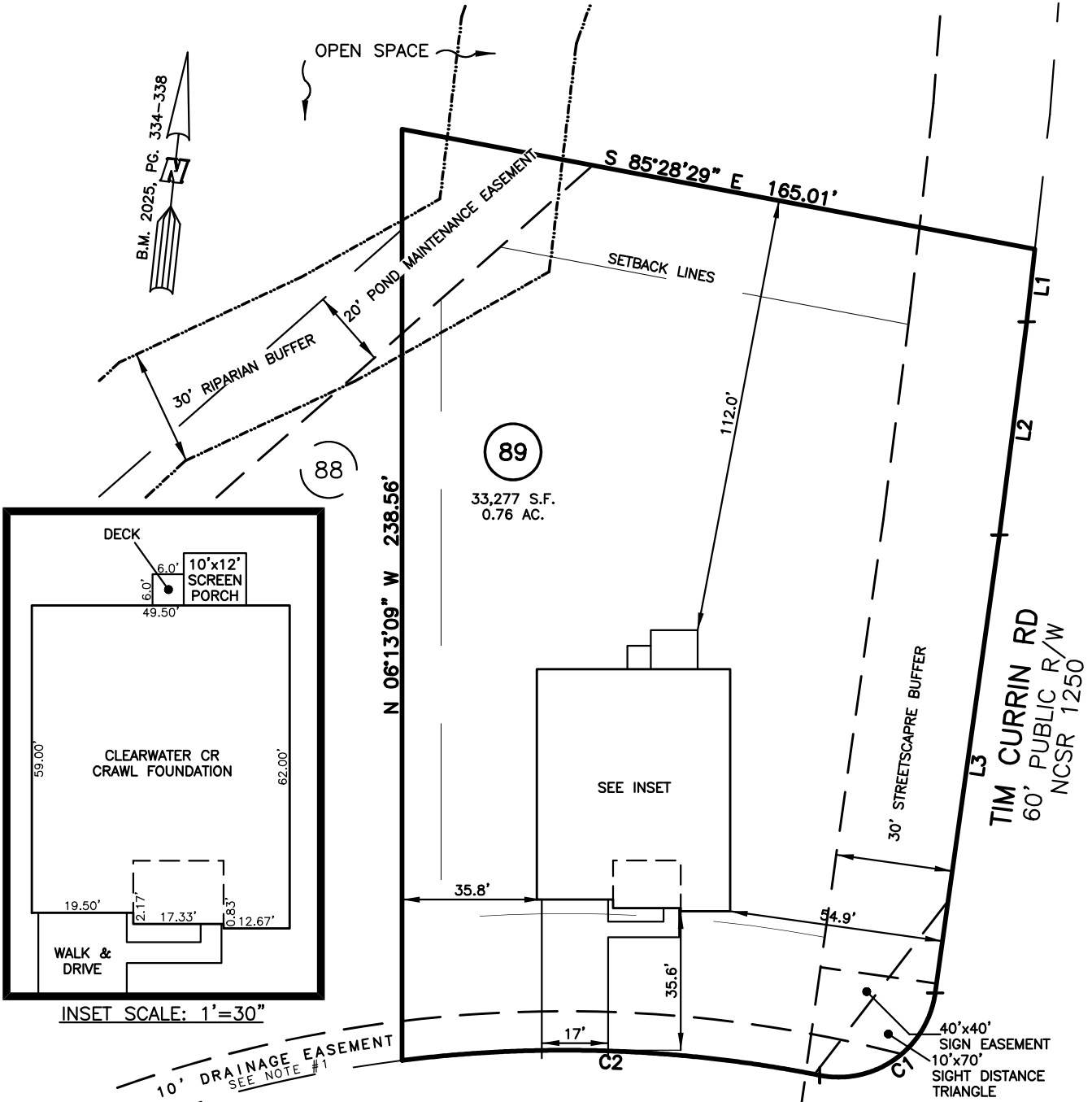


KINDNESS DR
50' PUBLIC R/W
& UTILITY EASEMENT

GRAPHIC SCALE
1" = 50'



SITE PLAN FOR
MATTAMY HOMES
XXX KINDNESS DRIVE
LOT 89, SEAGRASSLANDING, PHASE 1
(FORMALLY FREEDOM ACRES, PHASE 1)
UPPER LITTLE RIVER TOWNSHIP, HARNETT COUNTY, NORTH CAROLINA



INSET SCALE: 1"=30"

10' DRAINAGE EASEMENT
SEE NOTE #1

KINDNESS DR
50' PUBLIC R/W
& UTILITY EASEMENT

SETBACK INFO

FRONT: 35'
REAR: 25'
SIDES: 10'
CORNER SIDE: 20'

LINE	BEARING	DISTANCE
L1	S 00°06'43" W	18.70'
L2	S 01°07'53" W	55.03'
L3	S 01°45'10" W	118.53'

CURVE	RADIUS	ARC	DELTA	CHORD BRG	CHORD DIS
C1	25.00'	40.69'	93°15'36"	S 48°22'58" W	36.35'
C2	335.00'	107.47'	18°22'53"	S 85°49'19" W	107.01'

IMPERVIOUS SURFACES	S.F.
HOUSE	3,000
WALK & DRIVE	750
PORCH	120
MISC	40
TOTAL	3,910

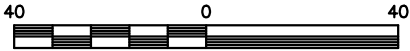
LEGEND

- AIR CONDITIONER
- BACK OF CURB
- BACK FLOW PREVENTER
- CLEANOUT
- CURB INLET
- DRILL HOLE SET
- EXISTING CONCRETE MONUMENT
- EXISTING DRILL HOLE
- EXISTING IRON STAKE
- EXISTING IRON PIPE
- ELECTRIC METER
- EXISTING PK NAIL
- ELECTRIC STUB
- FLARED END SECTION
- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- GAS METER
- GUY
- INVERT
- IRON PIPE SET
- IRON ROD SET
- LIGHT POLE
- MAGNETIC NAIL SET
- MANHOLE SANITARY SEWER
- MANHOLE STORM SEWER
- OVERHEAD WIRES
- PK NAIL SET
- POINT NOT SET
- RAIL ROAD SPIKE
- TELEPHONE PEDESTAL
- TRANSFORMER
- CABLE TV PEDESTAL
- UTILITY POLE
- WATER METER
- WATER VALVE
- YARD INLET
- FIELD MEASUREMENT

INVERTIRON PIPE SETIRON ROD SETLIGHT POLEMAGNETIC NAIL SETMANHOLE SANITARY SEWERMANHOLE STORM SEWEROVERHEAD WIRESPK NAIL SETPOINT NOT SETRAIL ROAD SPIKETELEPHONE PEDESTALTRANSFORMERCABLE TV PEDESTALUTILITY POLEWATER METERWATER VALVEYARD INLETFIELD MEASUREMENT

REFERENCES:

B.M. 2025, PG. 334-338



SCALE: 1" = 40'

NOTES

1. EASEMENT DEFINED IN BOOK OF MAPS 2025
PAGE 234 NOTES FOLLOWING DEPARTMENT OF
TRANSPORTATION SIGNATURE BLOCK.

THIS IS A SITE PLAN AS DEFINED BY G.S. 160D-102 AND
IS NOT INTENDED TO BE ATTACHED TO ANY INSTRUMENT
RECORDED IN THE REGISTER OF DEEDS OFFICE

SITE PLAN
NOT FOR RECORDATION,
CONVEYANCE OR SALES

REV CODE: 1.FLIP, 2.PLAN, 3.ROTATE, 4.MOVE, 5.SS
6.SEVERAL OF ABOVE, 7.LAND FEATURE, 8. OTHER

DATE: JUNE 24, 2025

F.B. _____

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CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD BY CONTRACTOR OR BY OTHERS. DRAWINGS ARE PROVIDED TO CLIENT FOR THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

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

SCALE: 1/8 = 1-0 FOR 11X1 / PAPER, 1/4 = 1-0 FOR ZX334 PAPER, OR AS NOTED

PROJECT NO.:
25901141

DATE: 04/28/2025	DRAWN BY: CAR
----------------------------	-------------------------

TITLE SHEET

T1.0

[illegible]

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LOCATION:
NORTH CAROLINA

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

DRAWN BY:
CAR

T1.1

1.

ROOF CONSTRUCTION
ROOF SHINGLES OVER #15 FELT PAPER (DOUBLE LAYER UNDERLAYMENT FOR ROOFS WITH A PITCH OF LESS THAN 4:12), 7/16" OSB SHEATHING WITH "H" CLIPS ON APPROVED ROOF TRUSSES. (SEE ROOF TRUSS DESIGNS). PREFIN. ALUM. EAVESTROUGH, FASCIA, & VENTED SOFFIT U.N.O.
(refer TO SHEET GN1.1 FOR N.C. ENERGY REQUIREMENTS.)

ROOF VENTILATION
OPTION 1: MIN. VENTILATION AREA OF 1:300 OF TOTAL ATTIC AREA WITH MIN. 50% & MAX. 80% OF REQUIRED CROSS VENTILATION PROVIDED VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE ARE MIN. 36" ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS
OPTION 2: MIN. VENTILATION AREA OF 1:300 OF TOTAL ATTIC AREA WITH REDUCTION IN CROSS VENTILATION WITH USE OF VAPOR BARRIER LOCATED BETWEEN INSULATION & DRYWALL.
2.

FRAME WALL CONSTRUCTION (2"x4") - SIDING
SIDING AS PER ELEVATION, APPROVED HOUSE WRAP, 7/16" OSB EXTERIOR SHEATHING, 2"x4" STUDS @ 16" O.C. TO 10' MAX HEIGHT. R13 BATT INSULATION, 1/2" INT. DRYWALL FINISH.
(refer TO SHEET GN1.1 FOR N.C. ENERGY REQUIREMENTS.)
3.

FRAME WALL CONSTRUCTION (2"x4") - STONE
SYNTHETIC STONE, SCRATCH COAT PER MANUFACTURERS SPECS. OVER GALV. MTL. LATH & APPROVED WEATHER RESISTANT BARRIER, 7/16" OSB EXTERIOR SHEATHING, 2"x4" STUDS @ 16" O.C. TO 10' MAX. HEIGHT. 1/2" INT. DRYWALL FINISH.
(refer TO SHEET GN1.1 FOR N.C. ENERGY REQUIREMENTS.)
4.

DRAINAGE
SITE SHALL GRADE TO PROVIDE DRAINAGE UNDER ALL PORTIONS OF STRUCTURE & TO DRAIN SURFACE WATER AWAY FROM THE STRUCTURE. GRADE SHALL FALL 6" WITHIN FIRST 10'. ALL PLUMBING WORK SHALL COMPLY WITH THE CURRENT RESIDENTIAL & PLUMBING CODES.
5.

GROUND FLOOR SLAB ON GRADE
CONCRETE SLAB PER STRUCTURAL DRAWINGS OVER CLEAN TERMITE TREATED COMPACT FILL. CHEMICAL PRE-TREATMENT OF SOIL IS REQUIRED BEFORE CASTING OF SLAB. SAW CUT EVERY ±200 S.F.
6.

EXPOSED FLOOR TO EXTERIOR
PROVIDE MIN. R19 BATT INSULATION IN FLOORS BETWEEN CONDITIONED & UNCONDITIONED SPACES, APPROVED HOUSE WRAP, FINISHED SOFFIT.
7.

ATTIC INSULATION: refer TO SHEET GN1.1. FOR N.C. REQUIREMENT. 1/2" INT. DRYWALL CEILING FINISH OR APPROVED EQUAL
8.

INTERIOR STAIRS: SITE BUILT

1.

STRINGERS SHALL BE 2"x12" SYP.#2 (PRESSURE TREATED AT BASE) EQUALLY SPACED & ANCHORED TO 2"x8" HEADER & P.T. 2"x4" PLATE

2.

TREADS SHALL BE 2"x12" SYP.#2 RIPPED DOWN AS REQUIRED. (GLUED & NAILED)

3.

RISERS SHALL BE 1"x8" SYP.#2 RIPPED DOWN AS REQUIRED. (GLUED & NAILED)

4.

MIN. TREAD

MAX. NOSING

MIN. TREAD & NOSING

MAX. RISER

MIN. HEADROOM

MAX. VERTICAL RISE FOR FLIGHT OF STAIRS

MIN. STAIR WIDTH

MIN. CLEAR STAIR WIDTH

= 9"

= 1-1/4"

= 9-3/4"

= 8-1/4"

= 6'-8"

= 12'-0"

= 3'-0"

= 31.5"

FOR WINDER STAIRS

MIN. WINDER TREAD MEASURED

12" FROM INSIDE EDGE

MIN. WINDER TREAD MEASURED AT ANY POINT

MAX. WINDER DEPTH

= 9"

= 4"

= 12"

9.

HAND RAIL
MIN. STAIR / RAMP HANDRAIL HEIGHT = 34"
MAX. STAIR / RAMP HANDRAIL HEIGHT = 38"
MIN. INTERIOR GUARD HEIGHT = 36"
MIN. EXTERIOR GUARD HEIGHT = 36"

FINISHED RAILING AND GUARD RAIL PICKETS SHALL BE SPACED 4" O.C. MAXIMUM BETWEEN PICKETS. GUARDS AND RAILINGS SHALL NOT HAVE OPENINGS FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT WHICH ALLOW THE PASSAGE OF A SPHERE 4" IN DIAMETER.

10.

WALLS BACKING ONTO ATTIC
WALLS WHICH SEPARATE CONDITIONED LIVING SPACE FROM UNCONDITIONED ATTIC SPACE SHALL BE INSULATED AND SEALED WITH AN AIR BARRIER SYSTEM TO LIMIT INFILTRATION. IE. VAULTED CEILING, SKYLIGHT, RAISED COFFERED CEILING.
(refer TO SHEET GN1.1 FOR N.C. ENERGY REQUIREMENTS.)

11.

BEAM POCKET OR 8"x8" CONCRETE BLOCK NIB WALLS. MINIMUM BEARING 3-1/2".

12.

WALL & CEILING BETWEEN GARAGE & LIVING SPACE
5/8" TYPE 'X' DRYWALL ON CEILING OF GARAGE W/ LIVING SPACE ABOVE & 1/2" DRYWALL ON WALLS SUPPORTING 5/8" TYPE 'X' GWB W/ HABITABLE SPACE ABOVE AND BETWEEN HOUSE AND GARAGE. INSULATE WALLS AND CEILING BETWEEN GARAGE AND CONDITIONED SPACE. TAPE, SEAL & STRUCTURALLY SUPPORT ALL JOINTS, IN ORDER TO BE GAS/FUME TIGHT.
(refer TO SHEET GN1.1 FOR N.C. ENERGY REQUIREMENTS.)

13.

DOOR AND FRAME GASPROOFED. DOOR EQUIPPED WITH SELF CLOSING DEVICE AND WEATHERSTRIPPING.

14.

CLOTHES DRYER VENT
DRYER EXHAUST VENTED TO EXTERIOR & EQUIPPED W/ BACK DRAFT DAMPER. MAX. 35' DUCT LENGTH FROM THE CONNECTION TO THE TRANSITION DUCT FROM THE DRYER TO THE OUTLET TERMINAL. WHERE FITTINGS ARE USED REFER TO MECHANICAL CODE FOR MAX. LENGTH REDUCTIONS. SEAL WITH NON-COMBUSTIBLE MATERIAL, APPROVED FIRE CAULKING OR NON COMBUSTIBLE DRYER EXHAUST DUCT WALL RECEPTACLE

15.

ATTIC ACCESS
ATTIC ACCESS HATCH 20"x30" WITH WEATHER- STRIPPING INTO ANY ATTIC EXCEEDING 30 SF x 30" VERT. HEIGHT. ALLOW 30" HEADROOM IN ATTIC AT HATCH LOCATION. r-10 MIN INSULATION
OR
PULL DOWN STAIR (PDS) (SIZE PER PLAN) WITH WEATHER-STRIPPING & INSULATED WITH (R5) RIGID INSULATION. (NON-RIGID INSULATION MATERIALS ARE NOT ALLOWED)

16.

FIREPLACE CHIMNEYS
TOP OF FIREPLACE CHIMNEY SHALL BE MIN. 3'-0" ABOVE THE HIGHEST POINT AT WHICH IT COMES IN CONTACT WITH THE ROOF AND 2'-0" ABOVE THE ROOF SURFACE WITHIN A HORIZ. DISTANCE OF 10'-0" FROM THE CHIMNEY.

17.

LINEN CLOSET OR PANTRY W/ MIN. 12" DEEP SHELVES. PROVIDE MAX. OF 4 SHELVES.

18.

MECHANICAL VENTILATION
MECHANICAL EXHAUST FAN, VENTED DIRECTLY TO EXTERIOR, TO PROVIDE 50cfm INTERMITTENT OR 20cfm CONTINUOUS IN BATHROOMS & TOILET ROOMS. PROVIDE DUCT SCREEN. SEE HVAC DESIGNS

19.

CABINET BLOCKING
36" A.F.F. FOR BASE CABINETS
54" A.F.F. FOR BOTTOM OF UPPER CABINETS
84" A.F.F. FOR TOP OF A 30" UPPER CABINET
96" A.F.F. FOR TOP OF OPTIONAL 42" UPPERS

20.

STUD WALL REINF. FOR HANDICAP BATHROOM
WHERE HANDICAPPED ACCESSIBILITY IS REQUIRED, PROVIDE WOOD BLOCKING REINFORCEMENT TO STUD WALLS FOR GRAB BAR INSTALLATION IN BATHROOM, 33"-36" A.F.F. BEHIND TOILET. 33" A.F.F. ON THE WALL OPPOSITE THE THE ENTRANCE TO THE BATHTUB OR SHOWER

21.

RANGE HOOD VENT
RANGE HOOD VENTED TO EXTERIOR. & EQUIPPED W/ BACK DRAFT DAMPER. MICROWAVES LOCATED ABOVE A COOKING APPLIANCE SHALL CONFORM TO UL923.

22.

SLAB ON GRADE PORCH
CONCRETE SLAB PER STRUCTURAL DRAWINGS OVER CLEAN TERMITE TREATED COMPACT FILL. SUBTERRANEAN TERMITE POST-TREATMENT MAY BE BORACARE APPLIED TO GROUND FLOOR WOOD SURFACES; ILO SOIL TREATMENT.

23.

DIRECT VENT FURNACE TERMINAL. SEE APPENDIX-C "EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT VENT VENTING SYSTEM" FOR MINIMUM CLEARANCES TO WINDOW & DOOR OPENINGS, GRADE, EXHAUST & INTAKE VENTS. REFER TO GAS UTILIZATION CODE.

24.

DIRECT VENT GAS FIREPLACE. SEE APPENDIX-C "EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT VENT VENTING SYSTEM" FOR MINIMUM CLEARANCES TO WINDOW & DOOR OPENINGS, GRADE, EXHAUST & INTAKE VENTS. REFER TO GAS UTILIZATION CODE.

25.

SUBFLOOR & FLOOR TRUSSES
3/4" T & G SUBFLOOR ON PRE-ENGINEERED FLOOR TRUSSES BY REGISTERED TRUSS MANUFACTURER. (SEE STRUCT. ENGINEER'S NAILING SCHEDULE)
PROVIDE DRAFT STOPPING EVERY 1000 SF.
BRACING IN ACCORDANCE W/ TPI/WTCA BCSI. (1/4") PANEL TYPE UNDERLAY UNDER RESILIENT & PARQUET FLOORING.

26.

EXPOSED BUILDING FACE
WALLS LESS THAN 5'-0" FROM PROPERTY LINE SHALL HAVE A FIRE RATING OF NO LESS THAN 1 HOUR IN ACCORDANCE WITH ASTM E 119 OR UL 263 WITH EXPOSURE FROM BOTH SIDES
PROJECTIONS BETWEEN 2'-0" & 5'-0" FROM PROPERTY LINE MUST HAVE A RATING ON THE UNDERSIDE OF NO LESS THAN 1 HOUR IN ACCORDANCE WITH ASTM E 119 OR UL 263
PROJECTIONS LESS THAN 5'-0" FROM PROPERTY LINE CANNOT HAVE A VENTILATED SOFFIT
OPENINGS IN A WALL LESS THAN 3'-0" FROM PROPERTY LINE ARE NOT ALLOWED
OPENINGS IN A WALL BETWEEN 3'-0" & 5'-0" FROM THE PROPERTY LINE CANNOT EXCEED 25% OF THE MAXIMUM WALL AREA
PENETRATIONS LESS THAN 5'-0" FROM THE PROPERTY LINE MUST COMPLY WITH CURRENT NC CODE
WHERE BUILDING FACE IS WITHIN 10'-0" OF PROPERTY LINE, ADD 5/8" GYPSUM BOARD UNDERLAYMENT @ SOFFIT

27.

STEMWALL FOUNDATION & FOOTING
WHERE GROUND FLOOR SLAB EXTENDS TOO FAR ABOVE FIN. GRADE FOR A MONOLITHIC SLAB, CONSTRUCT STEMWALL DETAIL PER STRUCTURAL ENGINEER'S SPECIFICATIONS.

28.

TWO STORY VOLUME SPACES
BALLOON FRAMING PER STRUCTURAL ENGINEER - REFER TO FLOOR PLANS

29.

TYP. 1 HOUR RATED PARTYWALL. REFER TO DETAILS FOR TYPE AND SPECS.

WOOD FRAME & CONCRETE BLOCK CONSTRUCTION NOTES:

1.

TERMITE & DECAY PROTECTION

CHEMICAL SOIL TREATMENT

THE CONCENTRATION RATE OF APPLICATION AND TREATMENT METHOD OF THE TERMITICIDE SHALL BE CONSISTENT WITH AND NEVER LESS THAN THE TERMITICIDE LABEL AND SHALL BE APPLIED ACCODING TO THE STANDARDS OF THE NORTH CAROLINA DEPARTMENT OF AGRICULTURE

FIELD CUTS, NOTCHES AND DRILLED HOLES SHALL BE TREATED IN THE FIELD IN ACCORDANCE WITH AWP4 M4.

ALL WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY FOUNDATION WALLS SHALL EITHER BE PRESSURE TREATED WOOD IN ACCORDANCE WITH AWP4 U1 STANDARDS OR PROTECTED FROM CONTACT BY AN APPROVED IMPERVIOUS MOISTURE BARRIER

2.

SEE STRUCTURAL ENGINEER'S DRAWINGS FOR STEEL LINTELS SUPPORTING ANY BRICK VENEER

WINDOWS:

1.

MIN. EMERGENCY ESCAPE WINDOW OPENING SIZES
MIN. OF ONE EMERGENCY ESCAPE WINDOW REQ. IN EVERY SLEEPING ROOM
MIN. AREA FOR GROUND FLOOR EMERGENCY ESCAPE OPENING = 5.0 Sq.Ft.
MIN. AREA FOR SECOND FLOOR EMERGENCY ESCAPE OPENING = 5.7 Sq.Ft.
MIN. HEIGHT DIMENSION FOR EMERGENCY ESCAPE OPENING = 22"
MIN. WIDTH DIMENSION FOR EMERGENCY ESCAPE OPENING = 20"
MAX. SILL HEIGHT FOR EMERGENCY ESCAPE OPENING = 44" ABOVE FLOOR

2.

MINIMUM WINDOW SILL HEIGHT
IN DWELLING UNITS WHERE THE OPENING OF AN OPERABLE WINDOW IS MORE THAN 72" ABOVE FINISHED GRADE, OR SURFACE BELOW, THE LOWEST PART OF THE CLEAR OPENING SHALL BE A MINIMUM OF 24" ABOVE THE FINISHED FLOOR. ANY WINDOW 24" OR LESS FROM FINISHED FLOOR SHALL BE EQUIPPED WITH AN OPENING LIMITING DEVICE.

3.

FIXED GLASS REQUIREMENTS: FIXED GLASS IS REQ. FOR WINDOWS LESS THAN 24" ABOVE FINISHED FLOOR.

4.

FLASHING, SEALANTS AND WEATHERSTRIPPING: INSTALL APPROVED CORROSION-RESISTANT FLASHING AT ALL EXTERIOR DOORS & WINDOWS TO EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH OR WATER RESISTIVE BARRIER. WINDOWS SHALL BE SEALED WITH MINIMUM QUALITY OF CAULKING TO BE ASTM Spec 920 OR 1281 WITH TESTING & PERFORMANCE Class 25 OR AAMA Class 800 OR 812. RECOMMEND SIKA 201.

5.

MAXIMUM TOLERANCE FOR MASONRY ROUGH OPENING SIZE: MASONRY ROUGH OPENING DIMENSIONS SHALL PROVIDE FOR A WINDOW PERIMETER SEALANT JOINT A MAXIMUM OF 1/4" IN WIDTH.

6.

MINIMUM ENERGY CODE REQUIREMENTS FOR WINDOWS. INSTALLED WINDOWS SHALL HAVE PROPERTIES AS EFFICIENT AS WINDOWS USED TO CALCULATE FORM 1100A. WINDOW PERFORMANCE CRITERIA ARE CONTAINED IN THE ENERGY GAUGE USA/FLA/RES COMPUTER PROGRAM.
refer TO SHEET GN1.1 FOR MINIMUM N.C. SOLAR HEAT GAIN COEFFICIENT (SHGC).
WINDOWS WITH CERTIFIED PERFORMANCE SHALL HAVE THE NFRC LABEL PROVIDING U-VALUE & SHGC TO REMAIN ON THE WINDOW UNTIL FINAL ENERGY INSPECTION.

7.

ANY GLASS OR WINDOW MUST BE TEMPERED THAT IS: LESS THAN 18" ABOVE FINISH FLOOR.
WITHIN 60" OF A TUB OR SHOWER.
WHERE NEAREST VERTICAL EDGE IS WITHIN 24" OF A DOOR AND BOTTOM WINDOW EDGE IS LESS THAN 60" ABOVE FLOOR.
OVER 9 s.f. OF GLASS AREA.
LESS THAN 60" FROM STAIR TREAD OR LANDING.

GENERAL

1.

THE FOLLOWING, WHERE PRESENT, SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL:

A.

BLOCKING AND SEALING FLOOR / CEILING SYSTEMS AND UNDER KNEE WALLS OPEN TO UNCONDITIONED OR EXTERIOR SPACE

B.

CAPPING AND SEALING SHAFTS OR CHASES INCLUDING FLUE SHAFTS

C.

CAPPING AND SEALING SOFFIT OR DROPPED CEILING AREAS

D.

TOP AND BOTTOM PLATES

2.

PENETRATIONS WILL BE SEALED WITH A PRODUCT THAT MEETS ASTM E119. FIBERGLASS INSULATION IS NOT PERMITTED TO SEAL ANY PENETRATIONS.

3.

GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES, INCLUDING FLOORED ATTIC AREAS.

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CLIENT: MATTAMY HOMES

PROJECT: CLEARWATER -LH

LOCATION: NORTH CAROLINA

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

PROJECT NO.: 25901141

DATE: 04/28/2025

DRAWN BY: CAR

GENERAL NOTES

T1.2

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.



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CLIENT:
MATTAMY HOMES

PROJECT:
CLEARWATER -LH

LOCATION:
NORTH CAROLINA

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

PROJECT NO.:
25901141

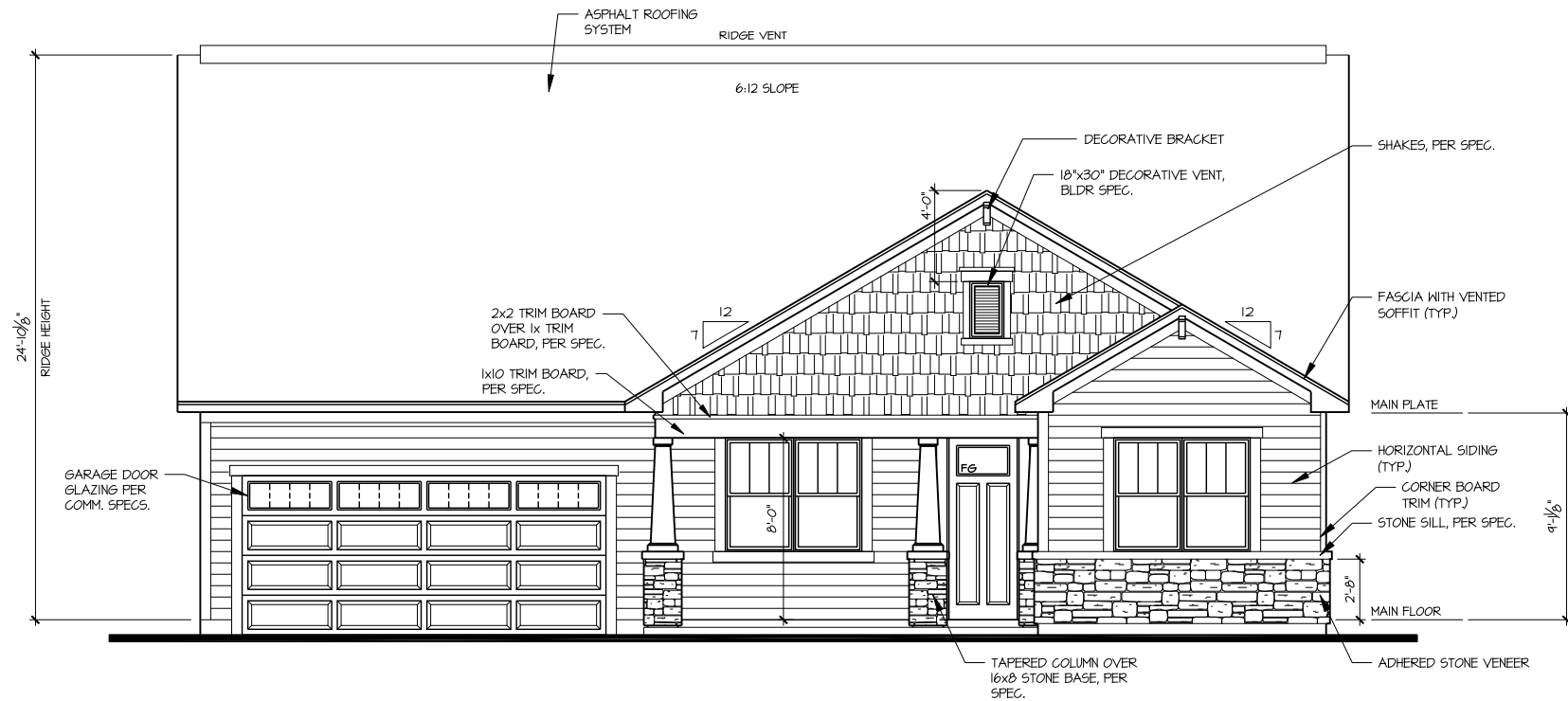
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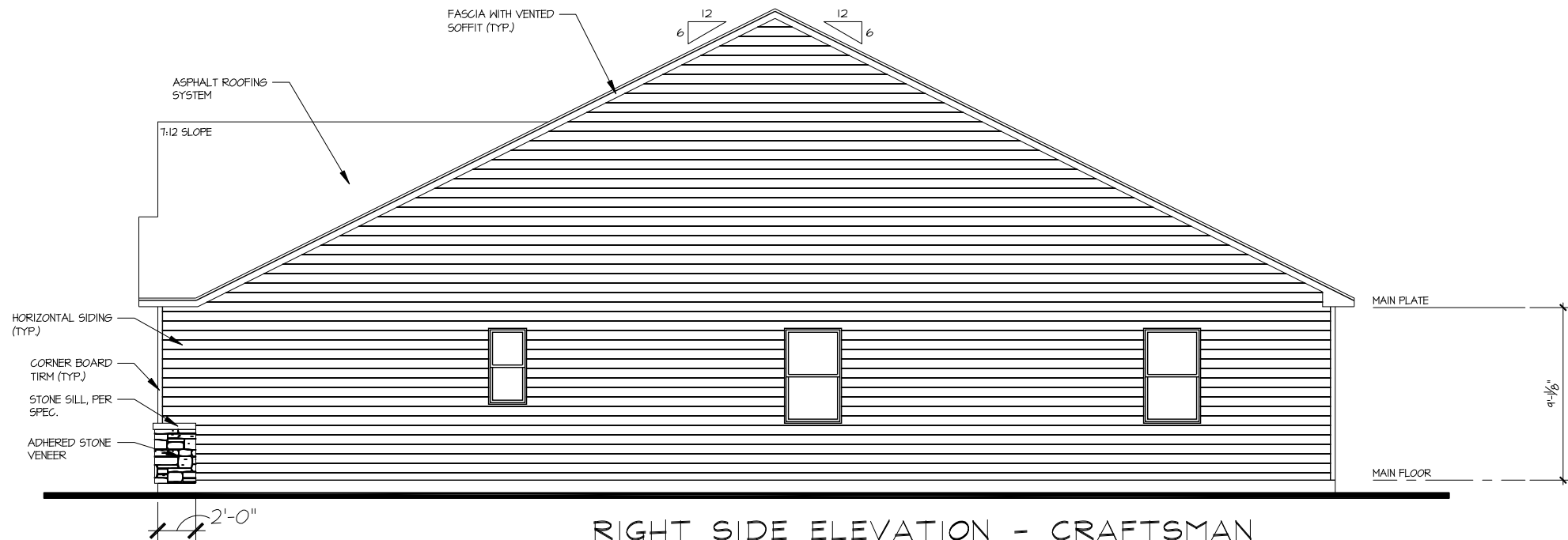
GENERAL NOTES

T1.3

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



FRONT ELEVATION - CRAFTSMAN



RIGHT SIDE ELEVATION - CRAFTSMAN



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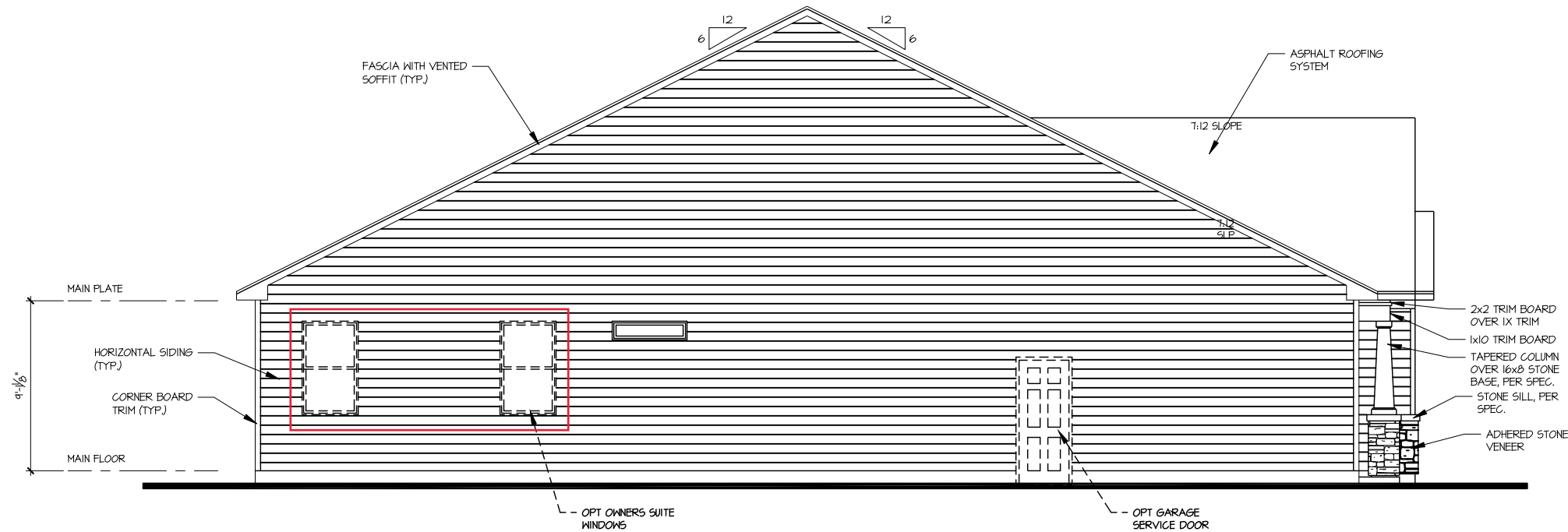
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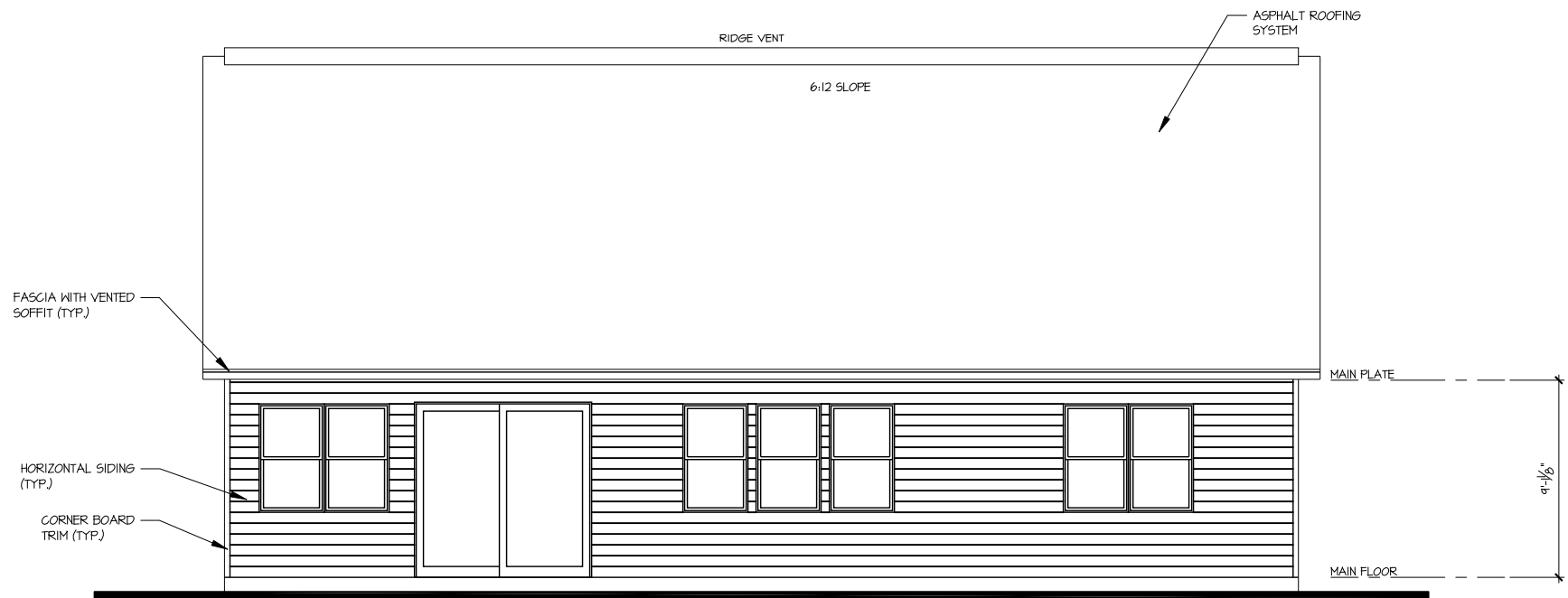
EXTERIOR ELEVATIONS

0.10

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



LEFT SIDE ELEVATION - CRAFTSMAN



REAR ELEVATION - CRAFTSMAN



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CAR

EXTERIOR ELEVATIONS

0.11

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



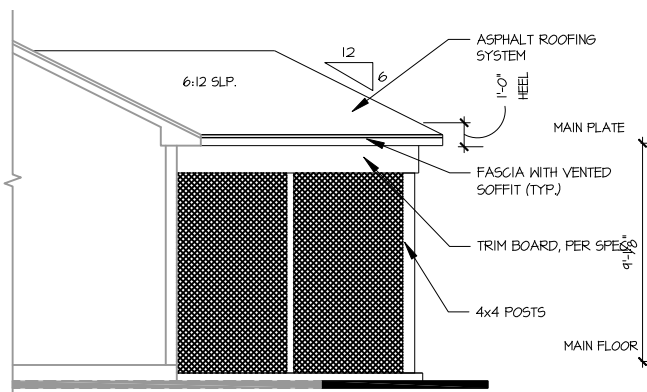
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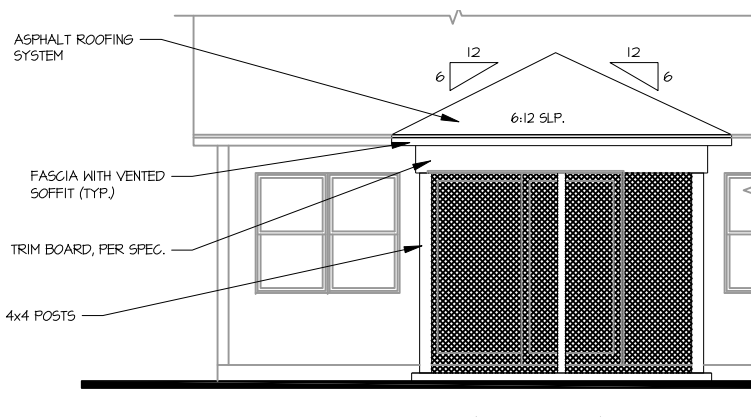


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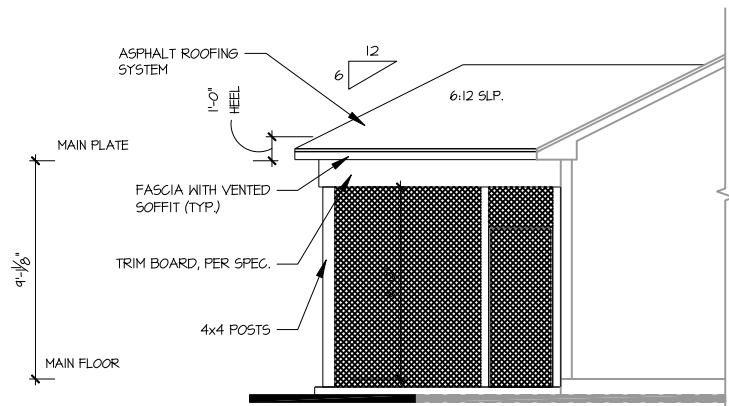
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PPO - LEFT SIDE ELEVATION
SCREENED PORCH (RALEIGH)



PPO - REAR ELEVATION
SCREENED PORCH (RALEIGH)



PPO - RIGHT SIDE ELEVATION
SCREENED PORCH (RALEIGH)

CLIENT:
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LOCATION:
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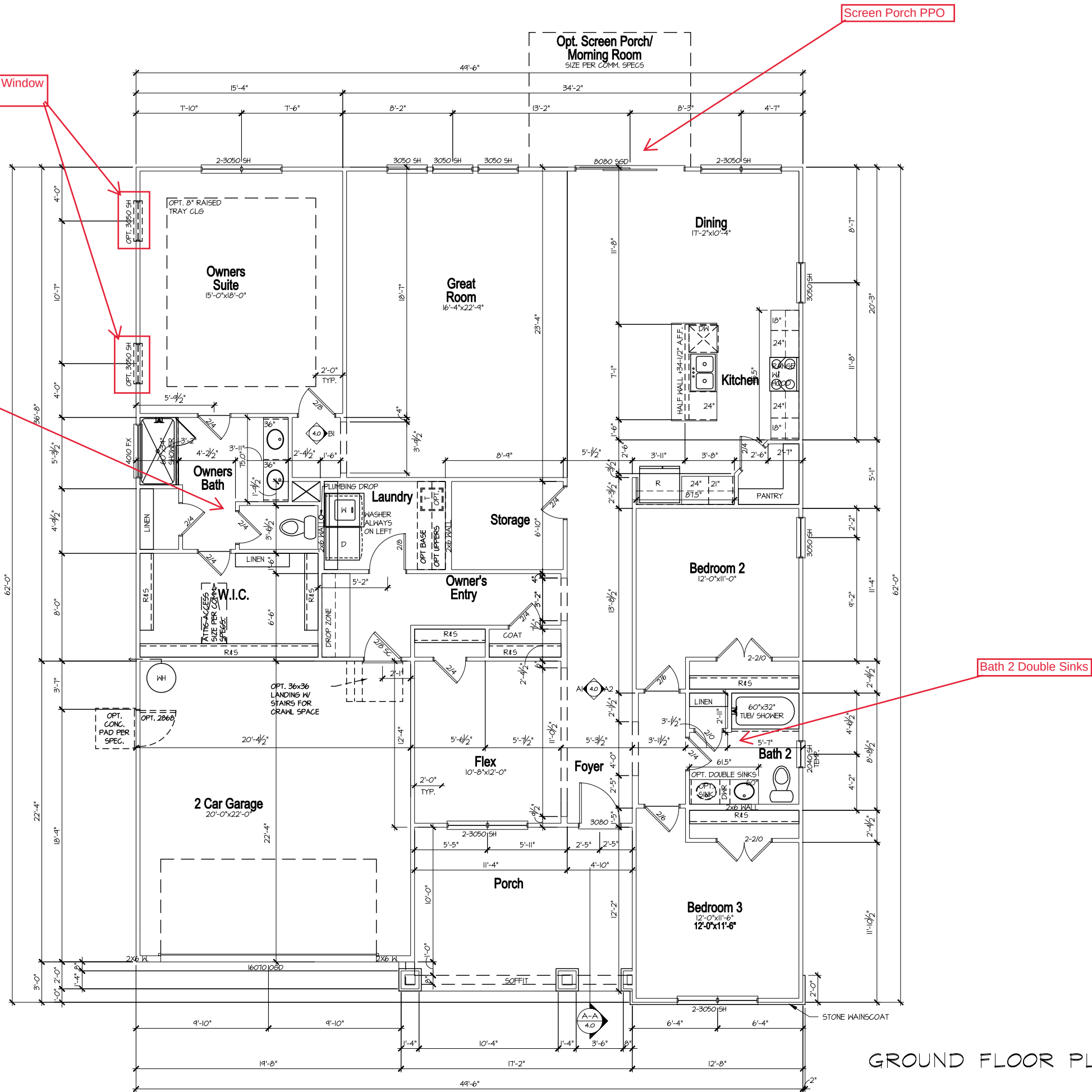
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EXTERIOR ELEVATIONS

0.12



GROUND FLOOR PLAN - CRAFTSMAN

FLOOR PLAN NOTES

1. ALL FRAMED OPENINGS (F.O.) @ 96" ON 1ST FLOOR & 84" ON 2ND FLOOR U.N.O.
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. ALL INTERIOR DOOR HEIGHTS PER COMMUNITY SPECS U.N.O.



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PROJECT: CLEARWATER -LH

LOCATION: NORTH CAROLINA

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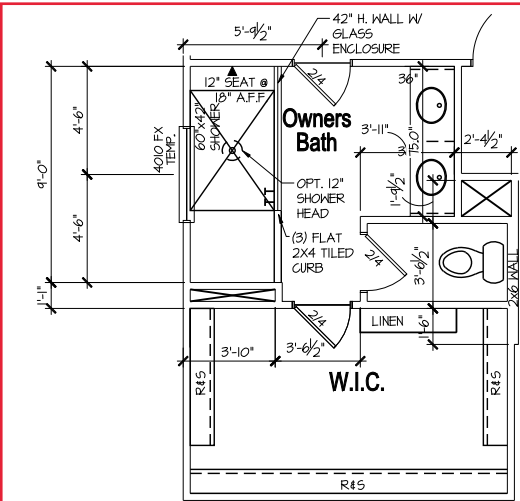
PROJECT NO.: 25901141

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MAIN FLOOR PLAN

1.0



PPO - OWNER'S BATH
SUPER SHOWER

FLOOR PLAN NOTES

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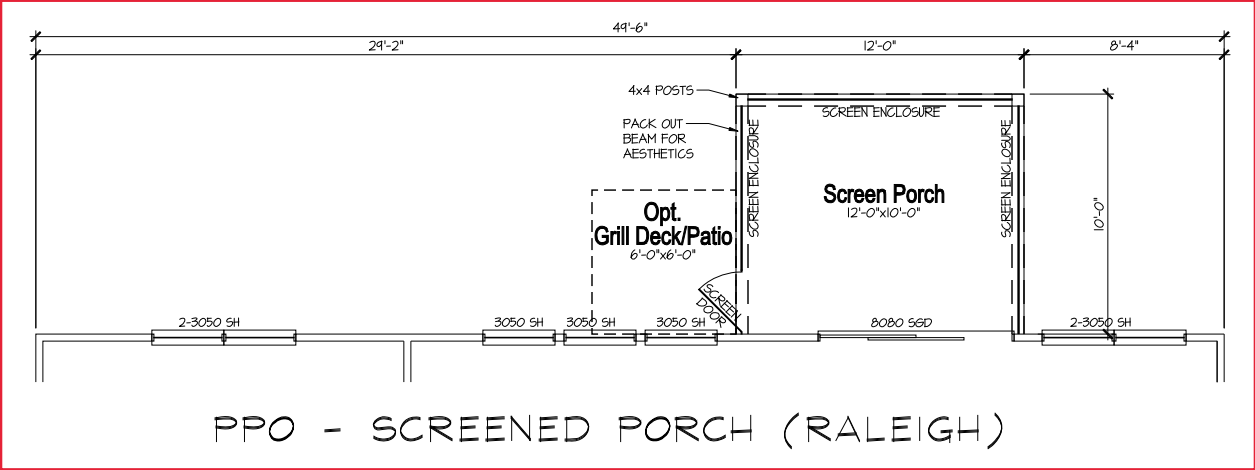
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MAIN FLOOR PLAN OPTIONS

1.1

GROUND FLOOR PLAN
OPTIONS - CRAFTSMAN



- FLOOR PLAN NOTES
1.

ALL FRAMED OPENINGS (F.O.) @ 96" ON 1ST FLOOR & 84" ON 2ND FLOOR U.N.O.
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.

ALL INTERIOR DOOR HEIGHTS PER COMMUNITY SPECS U.N.O.



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PROJECT:

CLEARWATER -LH

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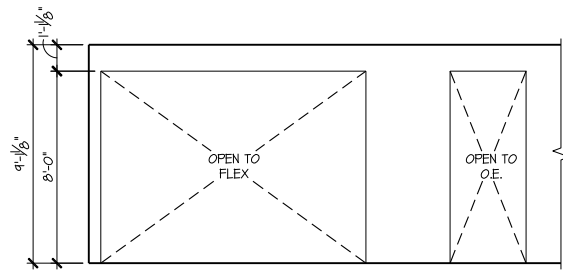
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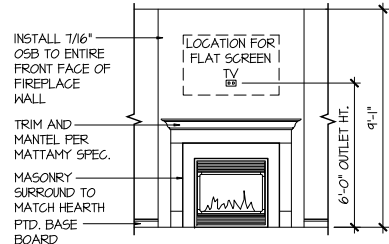
MAIN FLOOR PLAN OPTIONS

1.2

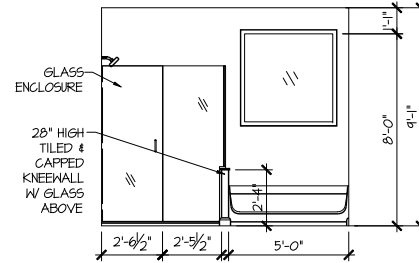
GROUND FLOOR PLAN
OPTIONS - CRAFTSMAN



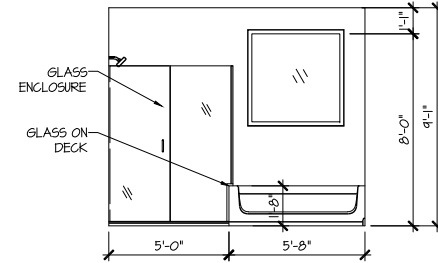
A1 Foyer



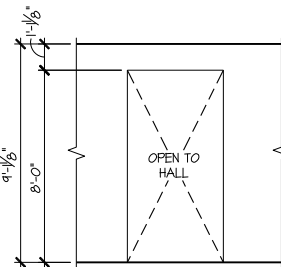
P1 Gathering Room
Gas Fireplace



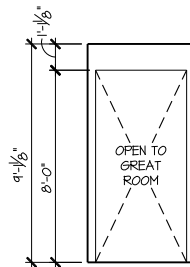
P3a Owner's Bath
Slide-In Tub



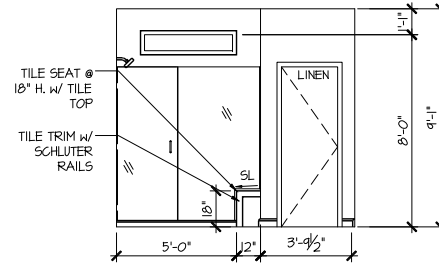
P3b Owner's Bath
Drop-In Tub



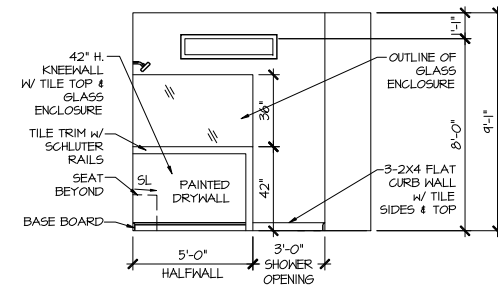
A2 Foyer



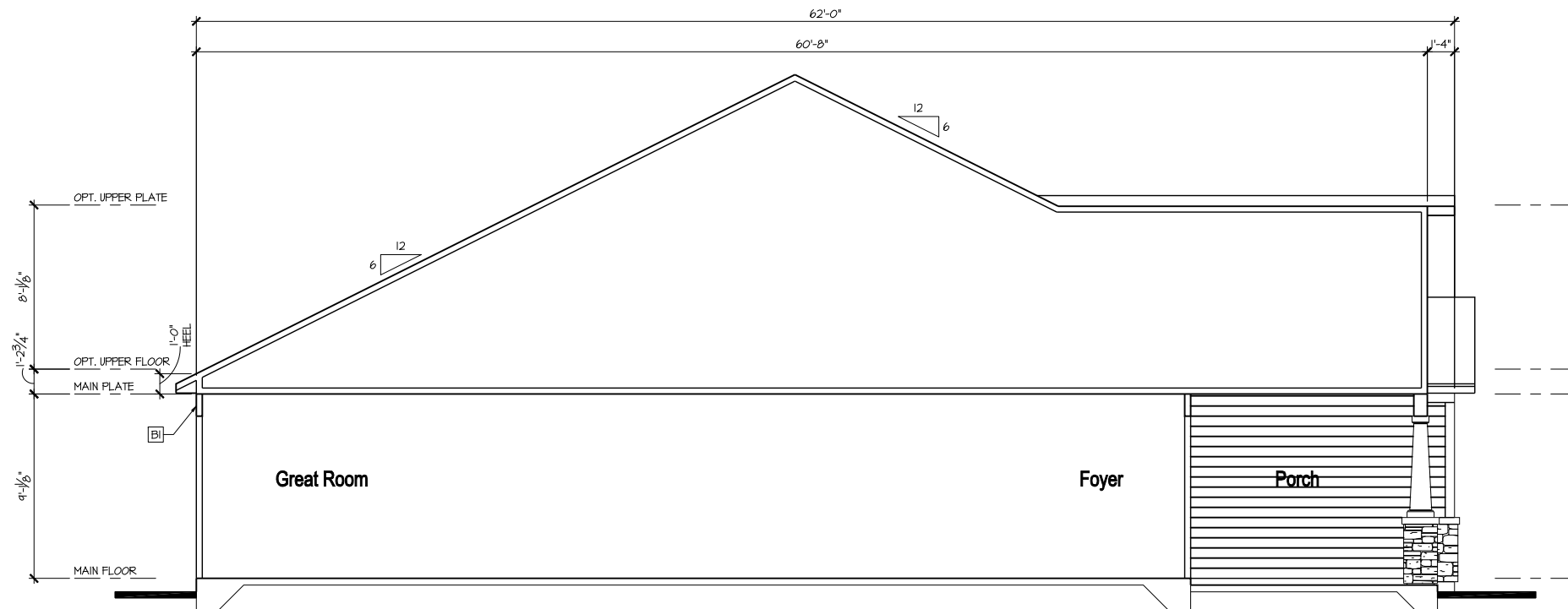
B1 O. Suite



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



P3d Owner's Bath
Super Shower



A-A



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CLIENT: **MATTAMY HOMES**

PROJECT: **CLEARWATER -LH**

LOCATION: **NORTH CAROLINA**

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PROJECT NO.: **25901141**

DATE: **04/28/2025**

DRAWN BY: **CAR**

SECTIONS & DETAILS

4.0

STRUCTURAL PLANS FOR:



MATTAMY HOMES - CLEARWATER LH



P-0961

PLAN RELEASE / REVISIONS

[illegible]

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: 25901141



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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	115/120 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	MECH	MECHANICAL
BRG	BEARING	MFTR	MANUFACTURER
BSMT	BASEMENT	MIN	MINIMUM
CANT	CANTILEVER	NTS	NOT TO SCALE
CJ	CEILING JOIST	OA	OVERALL
CLG	CEILING	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	PT	PRESSURE TREATED
CO	CASED OPENING	R	RISER
COL	COLUMN	REF	REFRIGERATOR
CONC	CONCRETE	RFG	ROOFING
CONT	CONTINUOUS	RO	ROUGH OPENING
D	CLOTHES DRYER	RS	ROOF SUPPORT
DBL	DOUBLE	SC	STUD COLUMN
DIAM	DIAMETER	SF	SQUARE FOOT (FEET)
DJ	DOUBLE JOIST	SH	SHELF / SHELVES
DN	DOWN	SHTG	SHEATHING
DP	DEEP	SHW	SHOWER
DR	DOUBLE RAFTER	SIM	SIMILAR
DSP	DOUBLE STUD POCKET	SJ	SINGLE JOIST
EA	EACH	SP	STUD POCKET
EE	EACH END	SPEC'D	SPECIFIED
EQ	EQUAL	SQ	SQUARE
EX	EXTERIOR	T	TREAD
FAU	FORCED-AIR UNIT	TEMP	TEMPERED GLASS
FDN	FOUNDATION	THK	THICK(NESS)
FF	FINISHED FLOOR	TJ	TRIPLE JOIST
FLR	FLOOR(ING)	TOC	TOP OF CURB / CONCRETE
FP	FIREPLACE	TR	TRIPLE RAFTER
FTG	FOOTING	TYP	TYPICAL
HB	HOSE BIBB	UNO	UNLESS NOTED OTHERWISE
HDR	HEADER	W	CLOTHES WASHER
HGR	HANGER	WH	WATER HEATER
JS	JACK STUD COLUMN	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 GROUP I SOILS (GW GP SW SP GM SM) FROM THE UNIFIED SOIL CLASSIFICATION SYSTEM (USCS), THE CRUSHED STONE BASE UNDER THE SLAB 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:	CLEARWATER - LH
LOCATION:	NORTH CAROLINA
SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 22x34 PAPER, OR AS NOTED	



PROJECT NO.:
25901141

DATE:
04/28/2025

DRAWN BY:
TMB

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) 115/120 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:

CLEARWATER - 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.:

25901141

DATE:

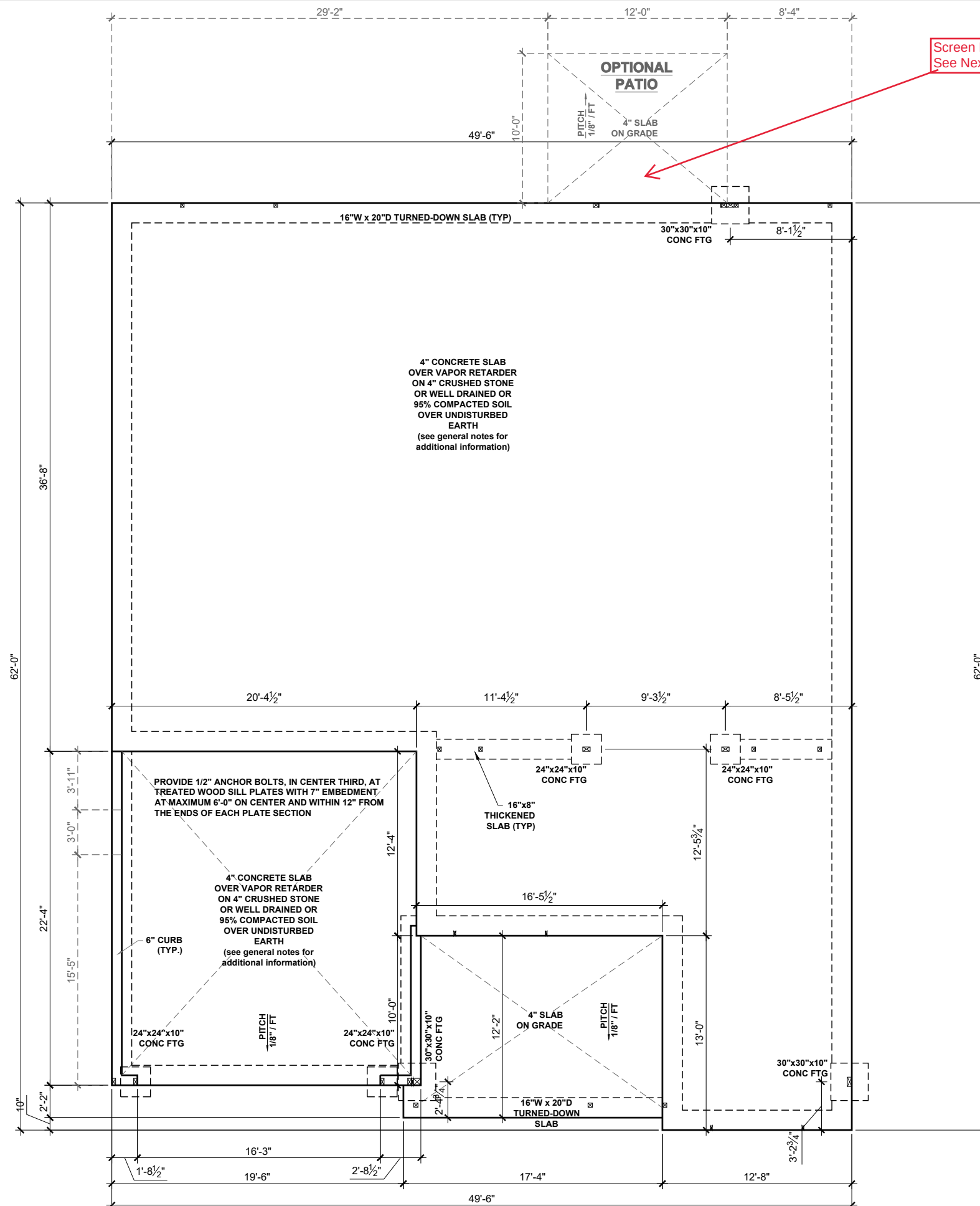
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GENERAL NOTES

SN1.2



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.

VAPOR RETARDER REQUIREMENT
SLAB VAPOR RETARDER TO BE 6 MIL. CLASS C



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CLIENT:	MATTAMY HOMES
PROJECT:	CLEARWATER - 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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SLAB
FOUNDATION PLAN

S.10

SLAB FOUNDATION PLAN - CRAFTSMAN
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



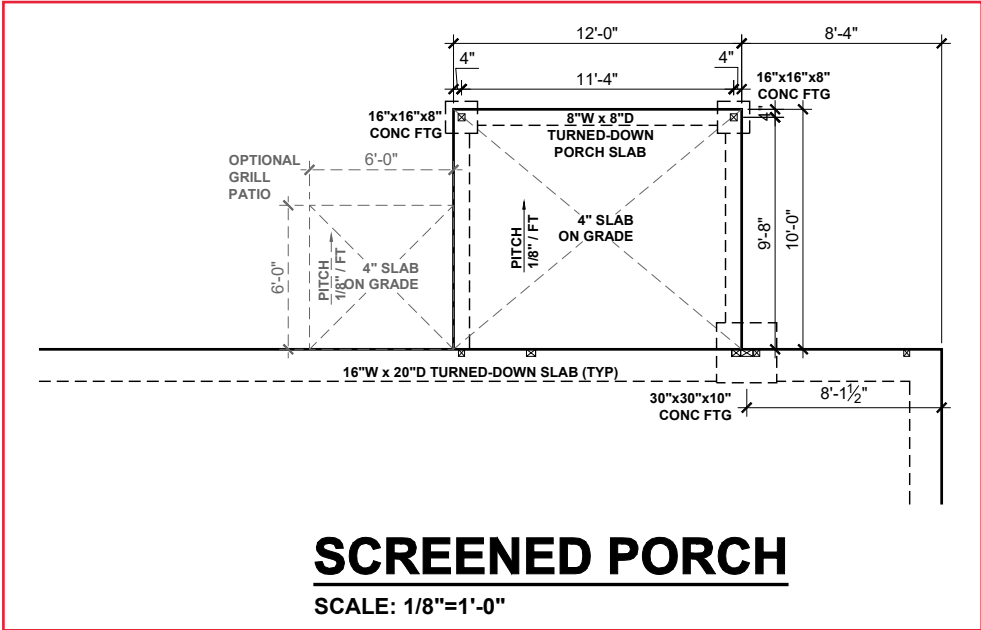
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SCREENED PORCH

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

SLAB FOUNDATION PLAN
OPTIONS - CRAFTSMAN

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

CLIENT:
MATTAMY HOMES

PROJECT:
CLEARWATER - LH

LOCATION:
NORTH CAROLINA

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



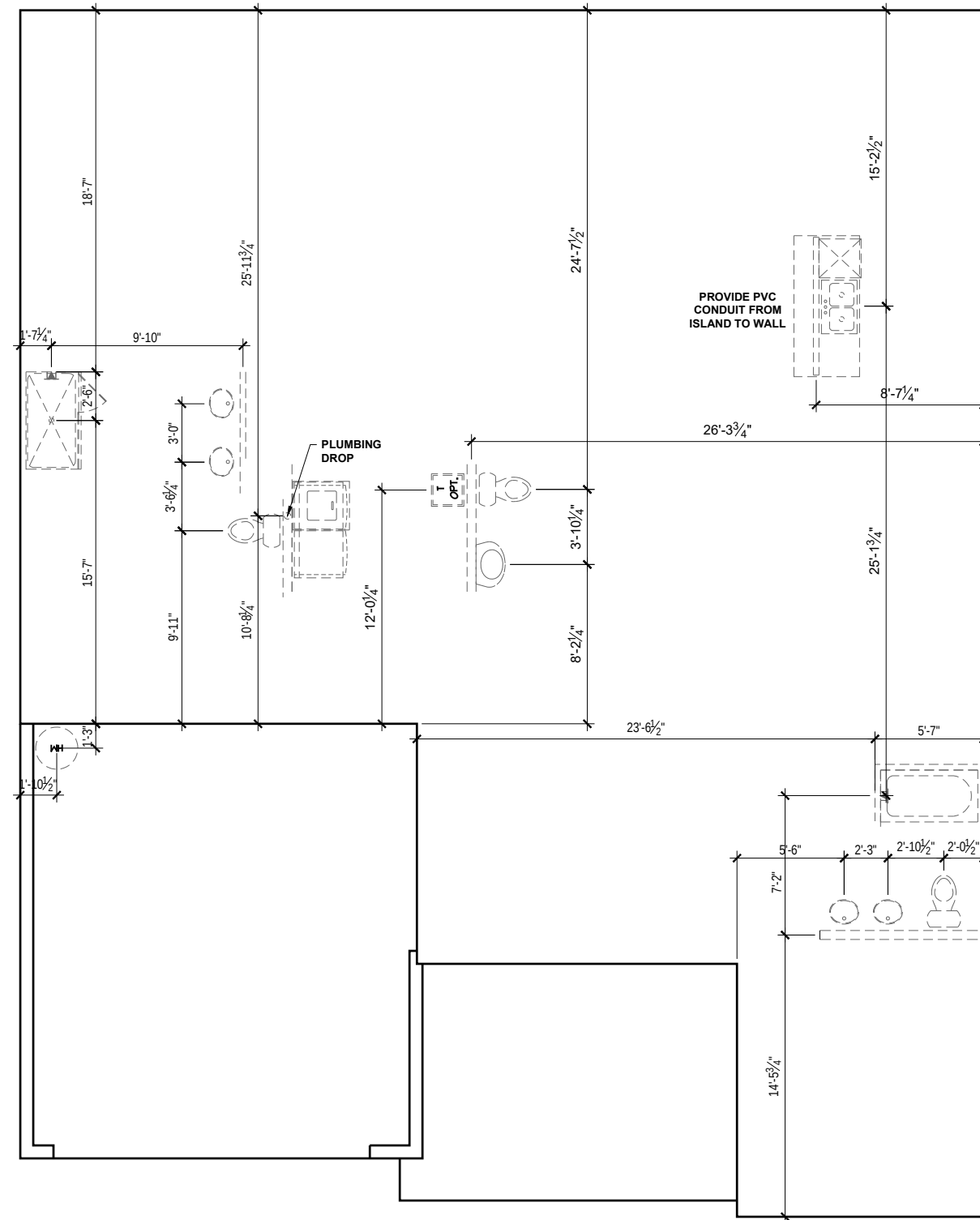
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DATE:
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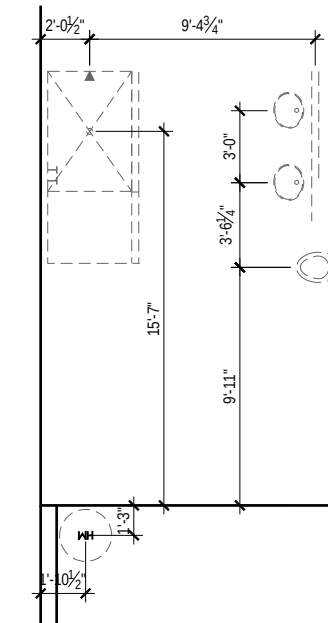
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PLAN OPTIONS
SLAB FOUNDATION PLANS

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.**



SUPER SHOWER



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CLIENT: **MATTAMY HOMES**

PROJECT: **CLEARWATER - LH**

LOCATION:
NORTH CAROLINA

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

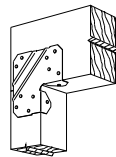


DATE:
04/28/2025

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TMB

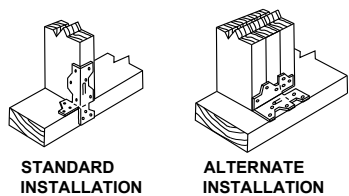
PLUMBING PLAN

S.13



LCE4 BRACING CON.

- NTS
- LCE4 CLIP TO HEADER JACK CONNECTION AND A35 CLIP AT THE JACK BOTTOM PLATE CONNECTION
 - CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MIN.
 - SIMPSON HTT4 HOLD DOWN FOR ATTACHMENT TO CONCRETE OR MSTA18 STRAP FOR WOOD CONNECTIONS.

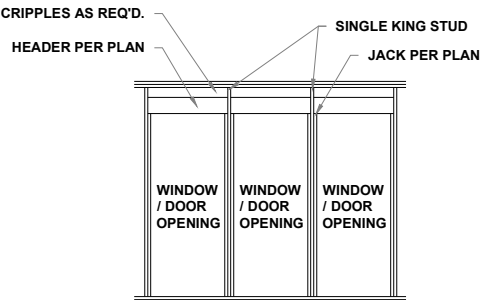
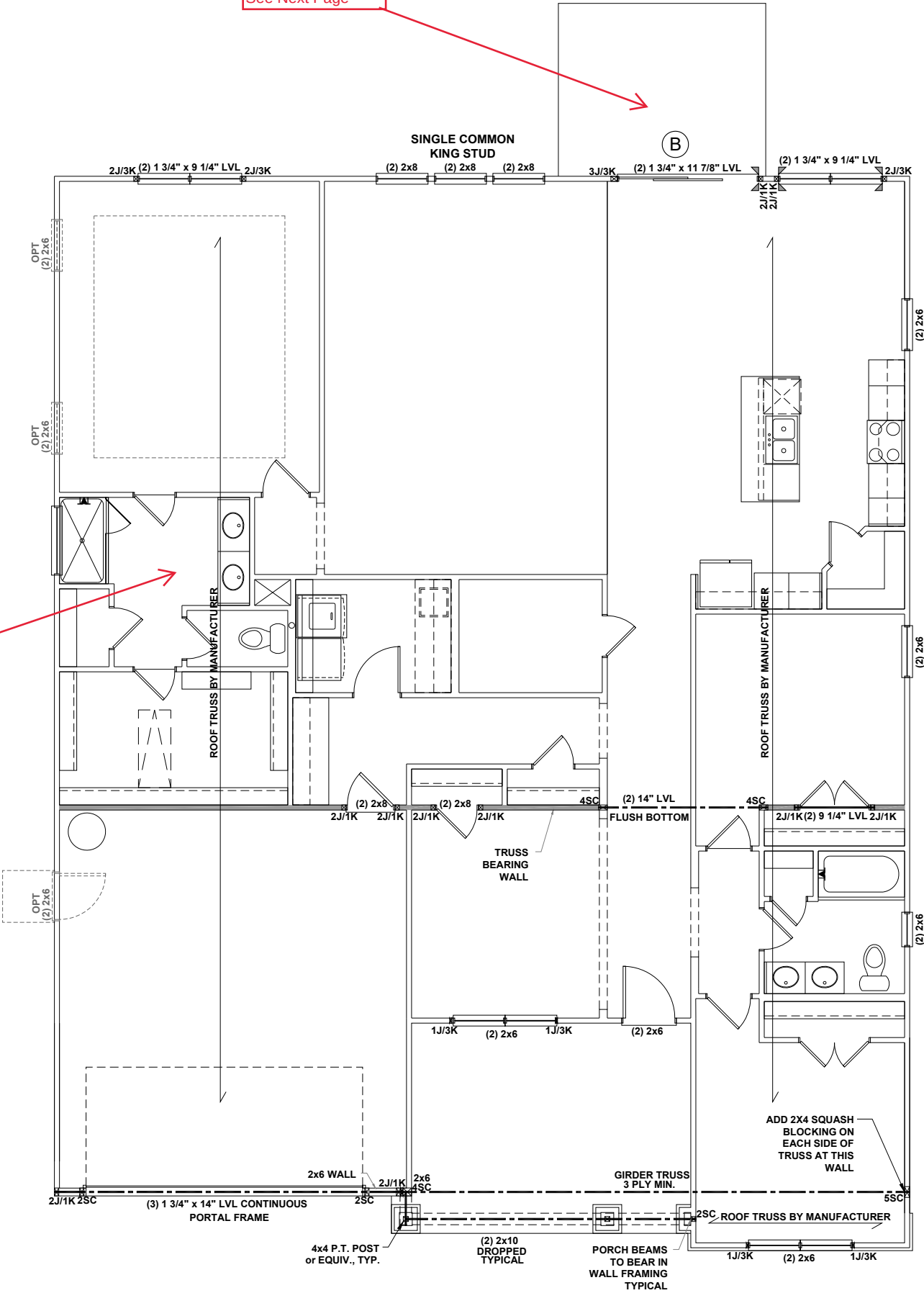


LOWER BRACING CON.

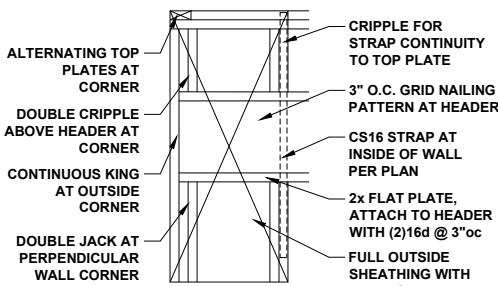
NTS A35 CLIP WITH SD9112 SCREWS

Owner's Super Shower
See Next Page

Screen Porch PPO
See Next Page

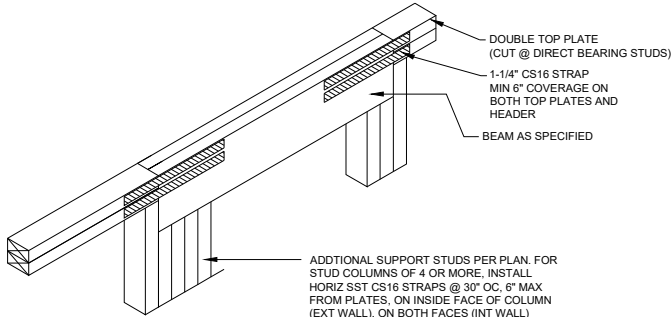


MULTI HEADER DETAIL
SINGLE COMMON KING STUD



PORTAL FRAMED OR
ENGINEERED OPENING
OUTSIDE CORNER DETAIL

NTS



FLUSH TOP HEADER

WITH POINT LOAD

FIRST FLOOR CEILING
FRAMING PLAN - CRAFTSMAN

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

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).

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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CLIENT: MATTAMY HOMES

PROJECT: CLEARWATER - LH

LOCATION: NORTH CAROLINA

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



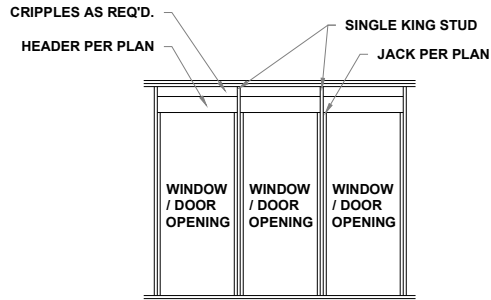
PROJECT NO.: 25901141

DATE: 04/28/2025

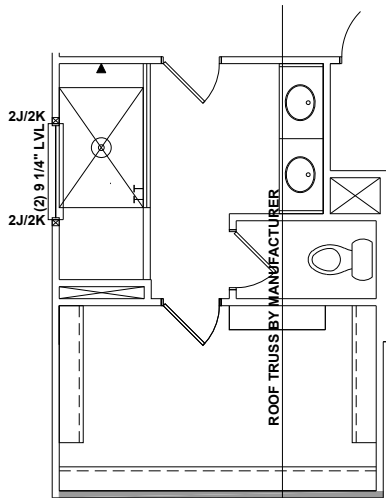
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FIRST FLOOR
CEILING FRAMING PLAN

S1.0

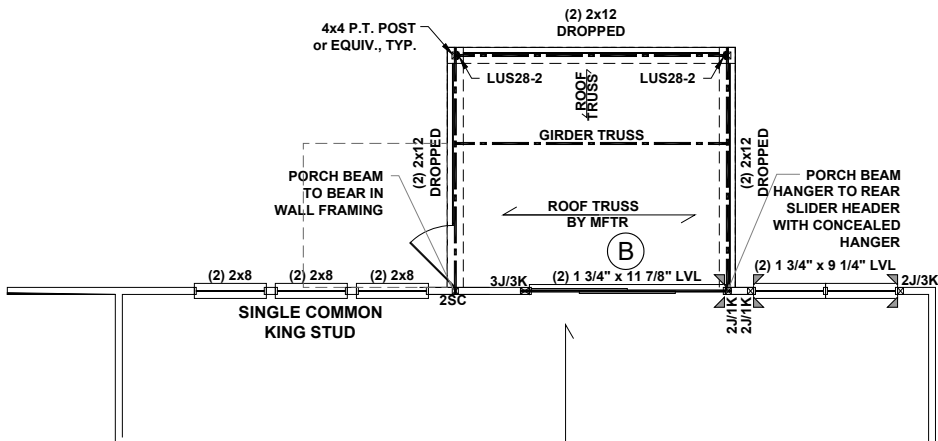


MULTI HEADER DETAIL
SINGLE COMMON KING STUD NTS



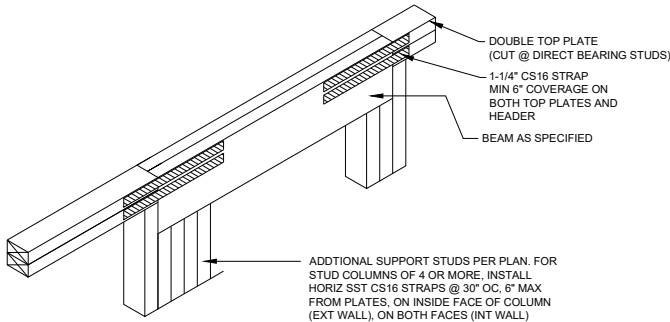
SUPER SHOWER

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

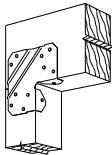


SCREENED VERANDA

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



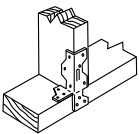
(B) FLUSH TOP HEADER
WITH POINT LOAD NTS



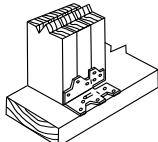
LCE4 BRACING CON.

NTS

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- CS16 STRAP FROM STUD, CROSS HEADER, TO WALL TOP PLATE, 36" LONG MIN.
- SIMPSON HTT4 HOLD DOWN FOR ATTACHMENT TO CONCRETE OR MSTA18 STRAP FOR WOOD CONNECTIONS.



STANDARD INSTALLATION



ALTERNATE INSTALLATION

LOWER BRACING CON.

NTS A35 CLIP WITH SD9112 SCREWS

FIRST FLOOR CEILING
FRAMING PLAN OPTIONS -
CRAFTSMAN

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

STRUCTURAL FRAMING NOTES - (SEE GENERAL NOTES SHEET FOR ADDITIONAL REQUIREMENTS.)

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- FOR STUD COLUMNS OF 4 OR MORE, INSTALL SST CS16 STRAPS @ 30" oc, 6" MAX FROM PLATES, ON INSIDE FACE OF COLUMN (EXTERIOR WALL), ON BOTH FACES OF COLUMN (INTERIOR WALL).

SEE FULL PLAN FOR ADDITIONAL INFORMATION



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CLIENT: **MATTAMY HOMES**

PROJECT: **CLEARWATER - LH**

LOCATION: **NORTH CAROLINA**

SCALE: 1/8" = 1'-0" FOR 11x17 PAPER, 1/4" = 1'-0" FOR 2x34 PAPER, OR AS NOTED



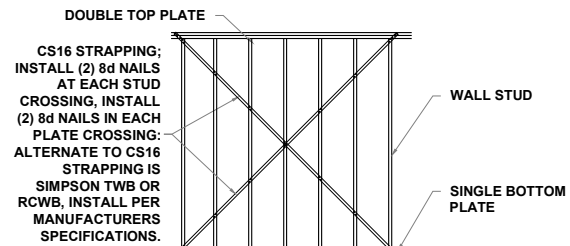
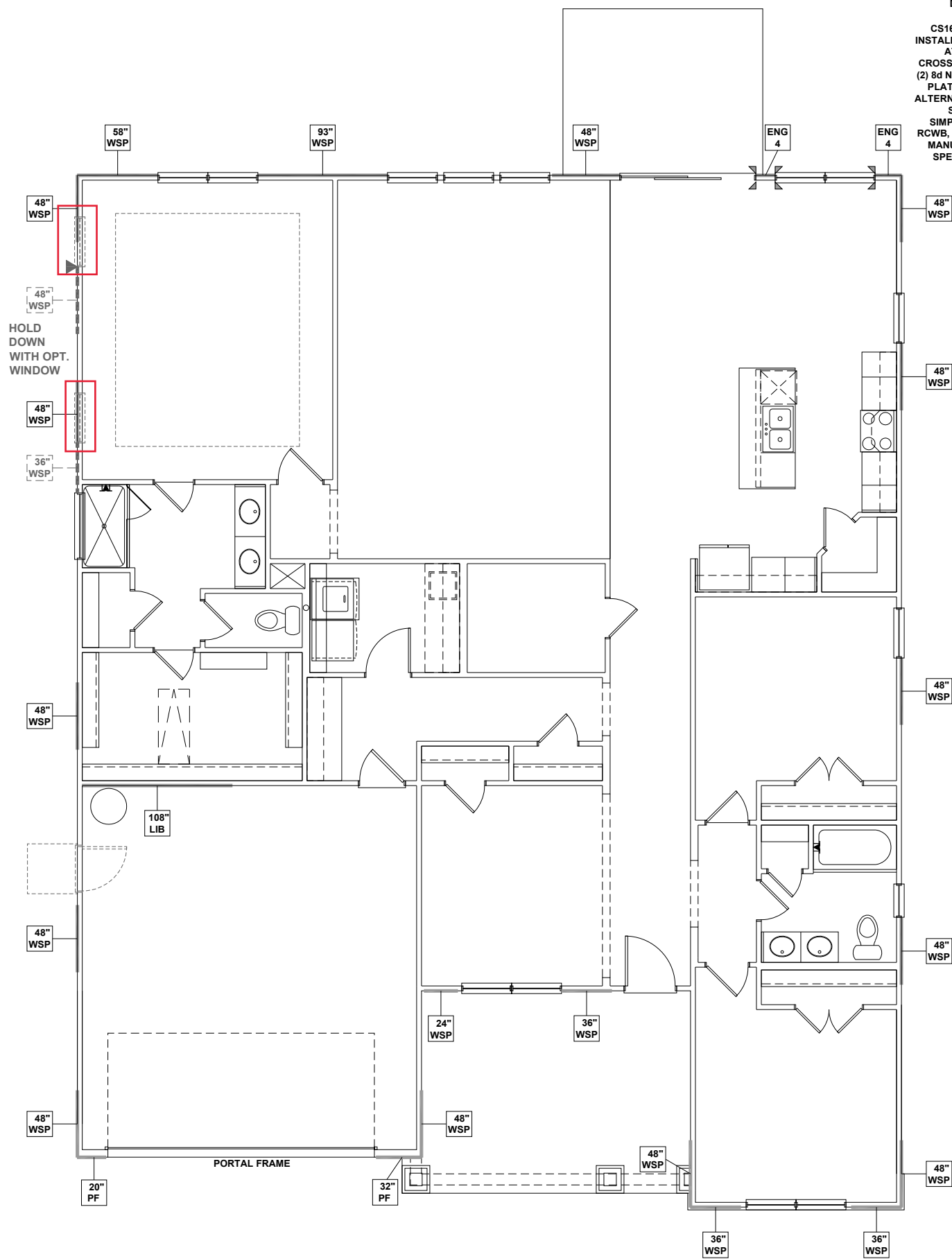
PROJECT NO.: **25901141**

DATE: **04/28/2025**

DRAWN BY: **TMB**

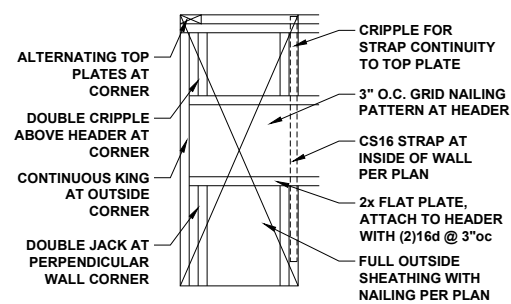
FIRST FLOOR OPTIONS
CEILING FRAMING PLANS

S1.1



CROSS BRACED LIB CS16 STRAPPING METHOD

SCALE: 1/4" = 1'-0" STRAP ANGLES TO BE NO MORE THAN 60° AND NO LESS THAN 40°

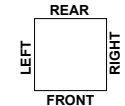


PORTAL FRAMED OR ENGINEERED OPENING OUTSIDE CORNER DETAIL

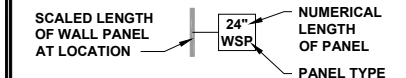
NTS

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.



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 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	17.5 FT.	19.75 FT.
RIGHT	8.5 FT.	20.0 FT.
REAR	17.5 FT.	N/A
LEFT	8.5 FT.	20.0 FT.

FIRST FLOOR WALL BRACING PLAN - CRAFTSMAN

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



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CLIENT: **MATTAMY HOMES**

PROJECT: **CLEARWATER - LH**

LOCATION: **NORTH CAROLINA**

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



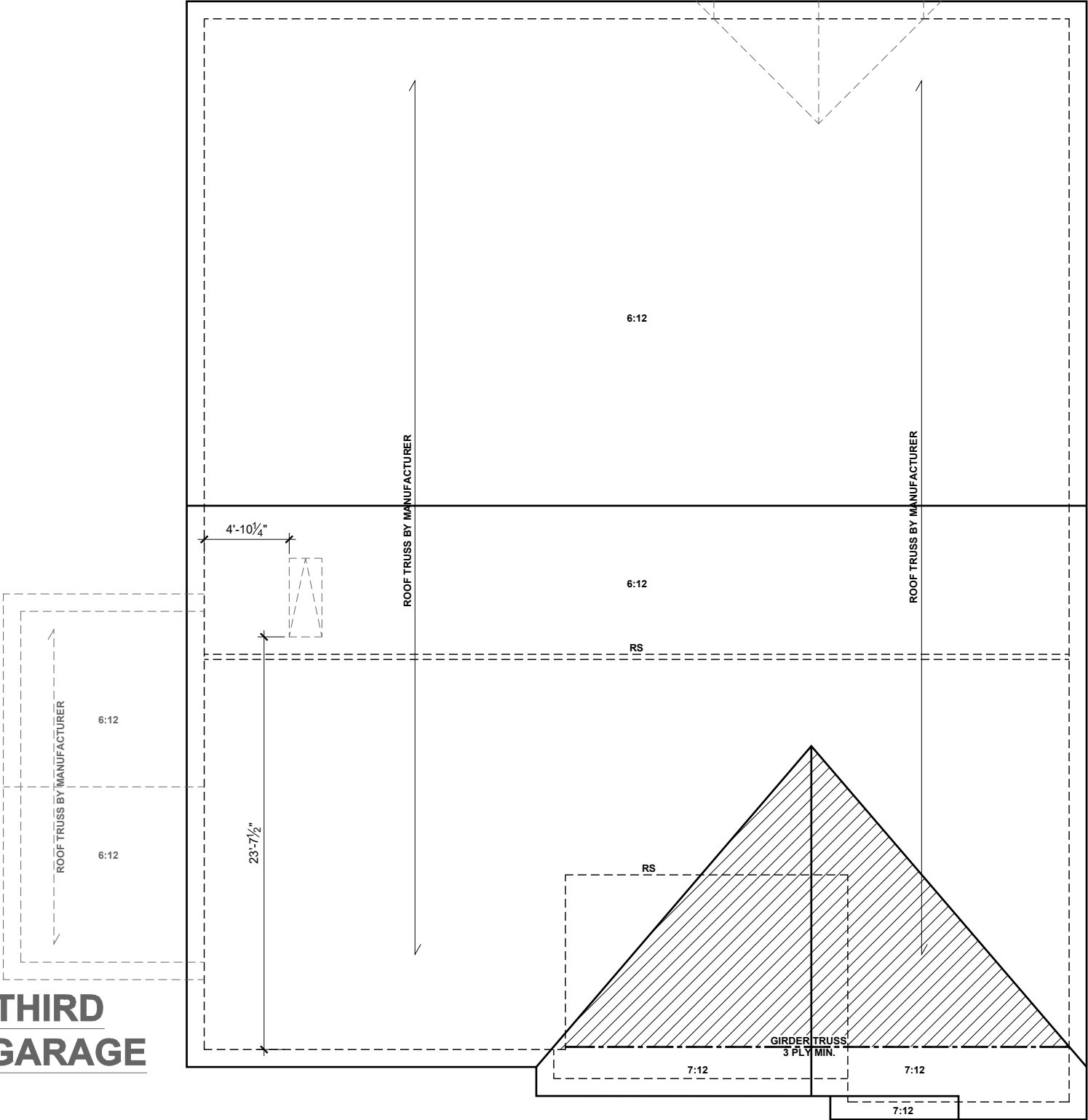
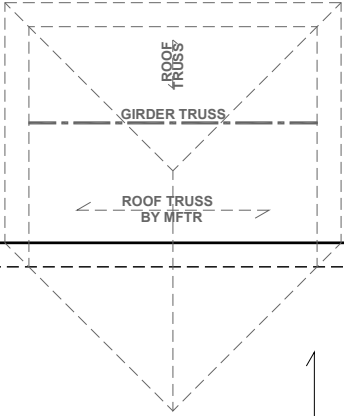
PROJECT NO.: **25901141**

DATE: **04/28/2025** DRAWN BY: **TMB**

FIRST FLOOR
WALL BRACING PLAN

S4.0

OPT COVERED
VERANDA/SCREENED
PORCH/MORNING
ROOM



OPT. THIRD
CAR GARAGE

ATTIC VENTILATION: REAR COVERED OPTS

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

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.

254 SQUARE FEET OF TOTAL ATTIC / 150 =

169 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

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

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.

3213 SQUARE FEET OF TOTAL ATTIC / 150 =

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



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CLIENT: MATTAMY HOMES

PROJECT: CLEARWATER - LH

LOCATION: NORTH CAROLINA

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



PROJECT NO.: 25901141

DATE: 04/28/2025

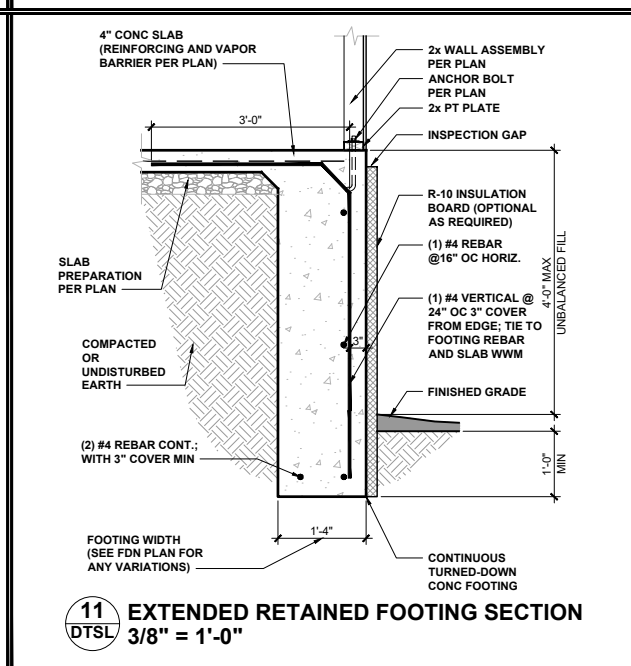
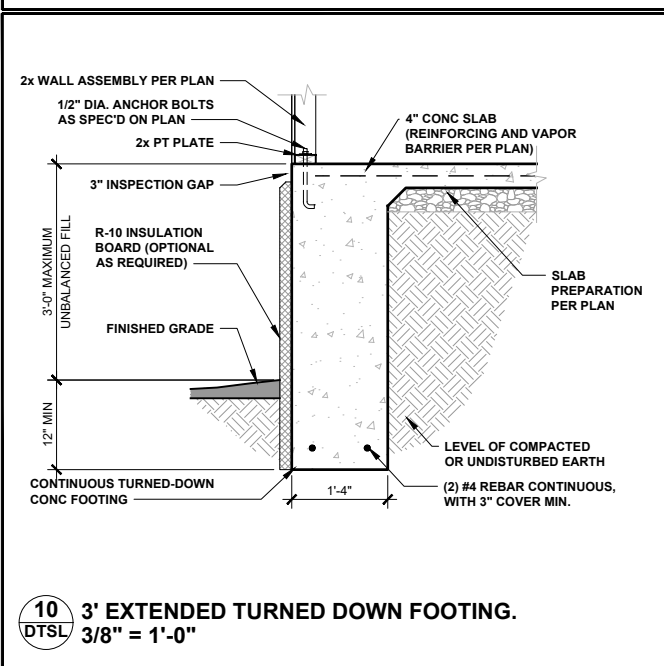
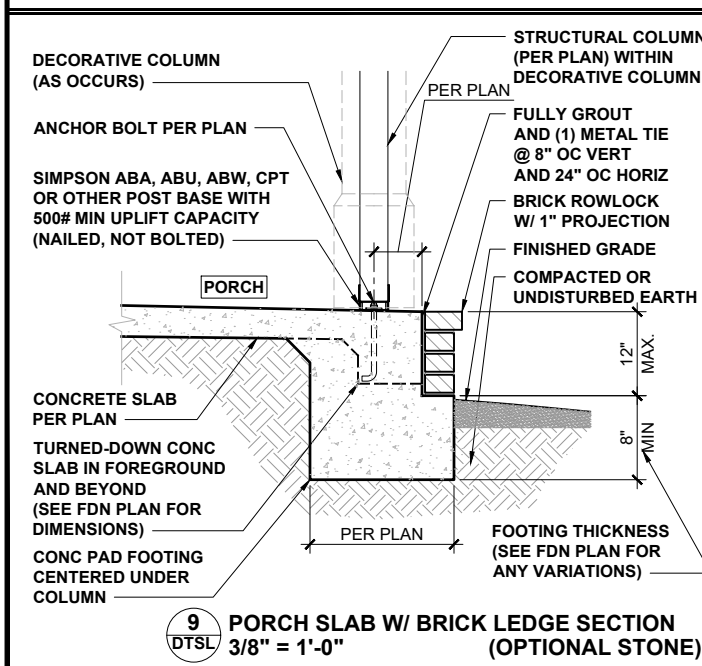
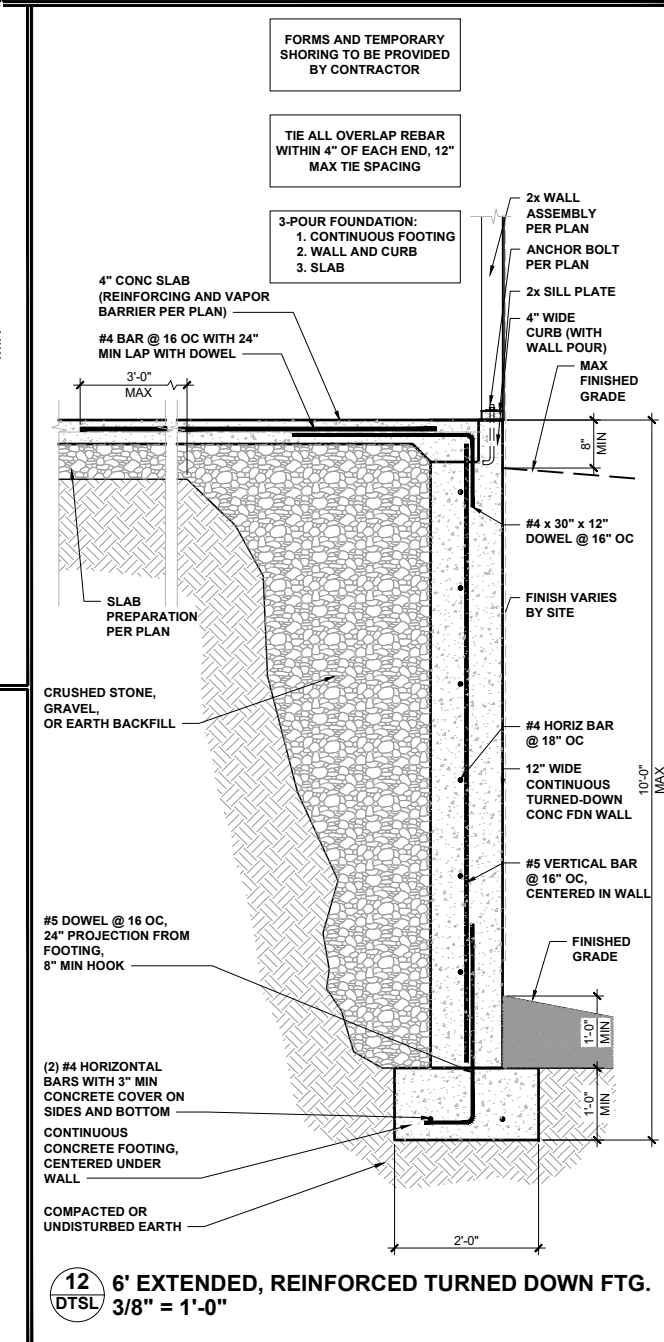
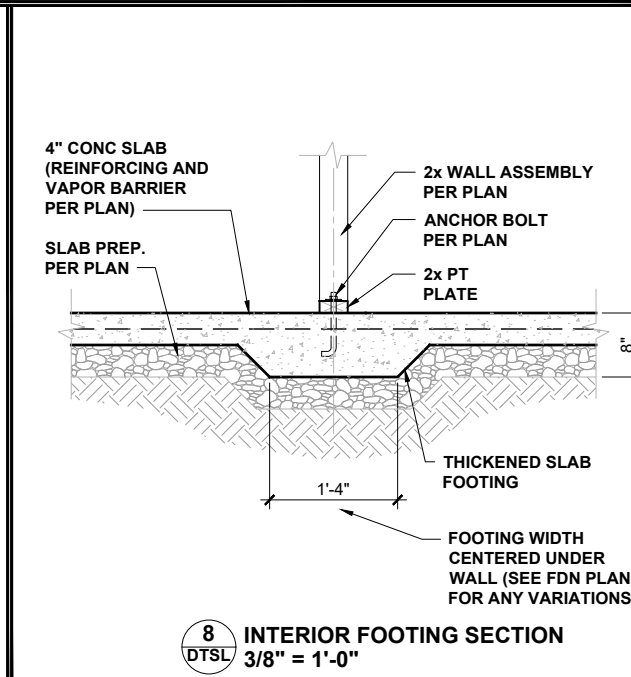
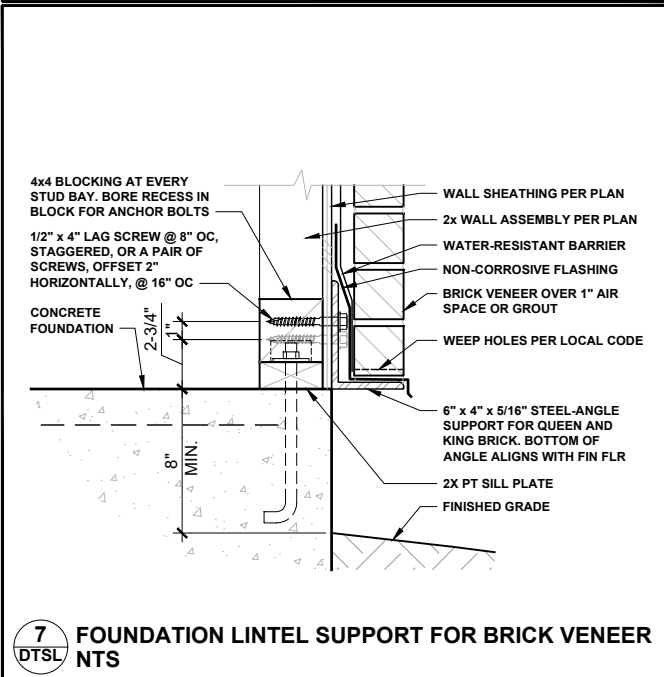
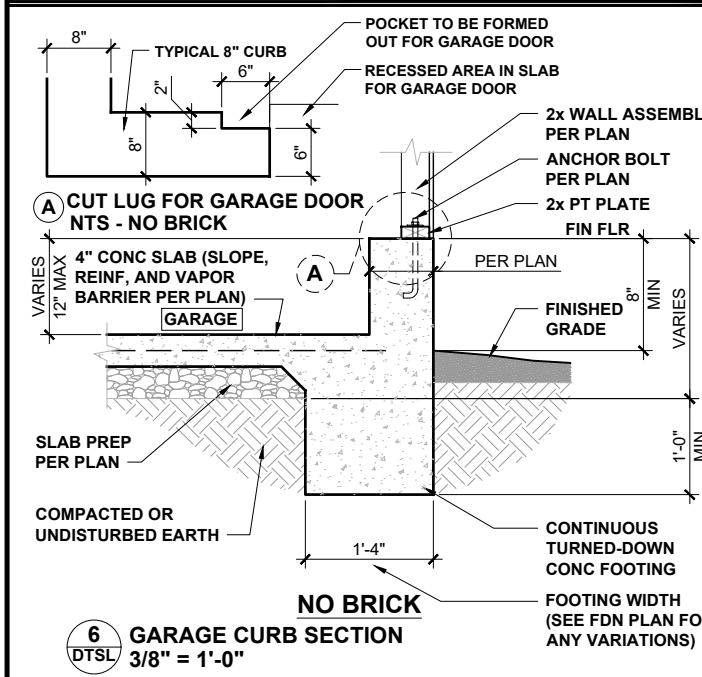
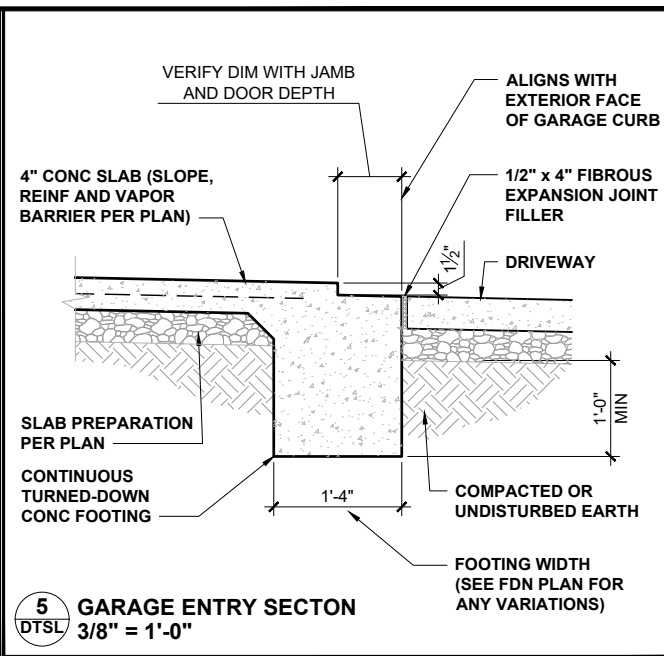
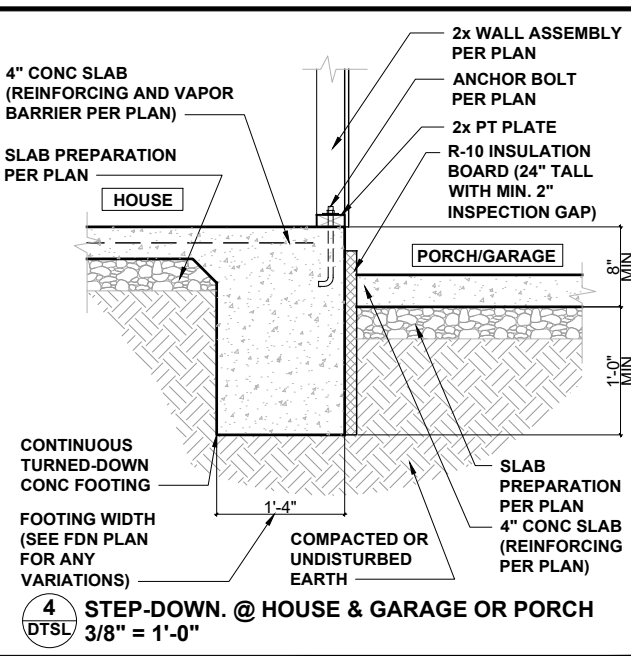
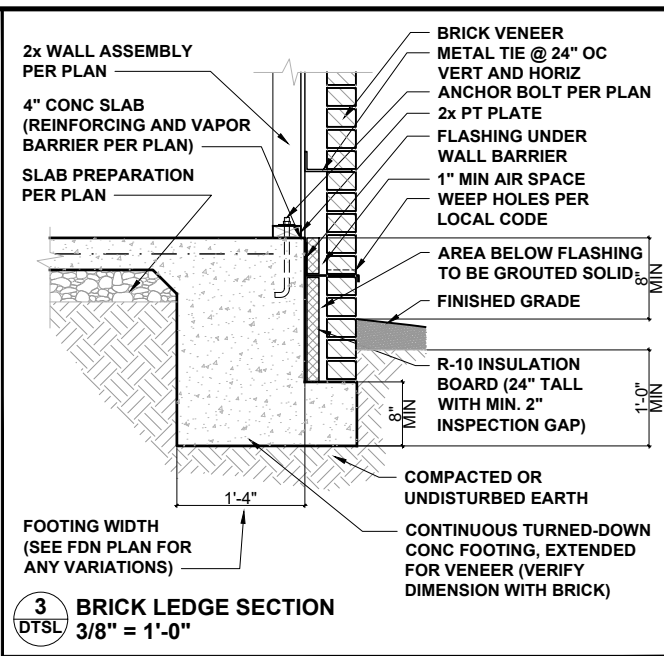
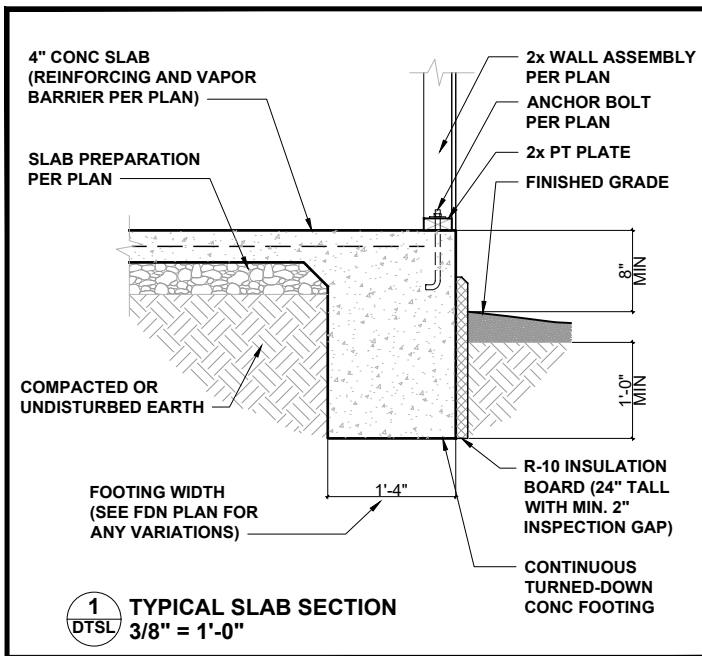
DRAWN BY: TMB

ROOF FRAMING PLAN

S7.0

ROOF FRAMING PLAN - CRAFTSMAN

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



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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

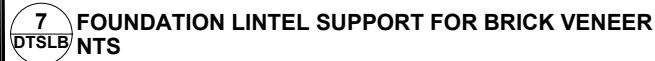
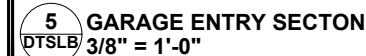


PROJECT NO.: STANDARD DETAILS

DATE: 04/27/2023 DRAWN BY: CAR

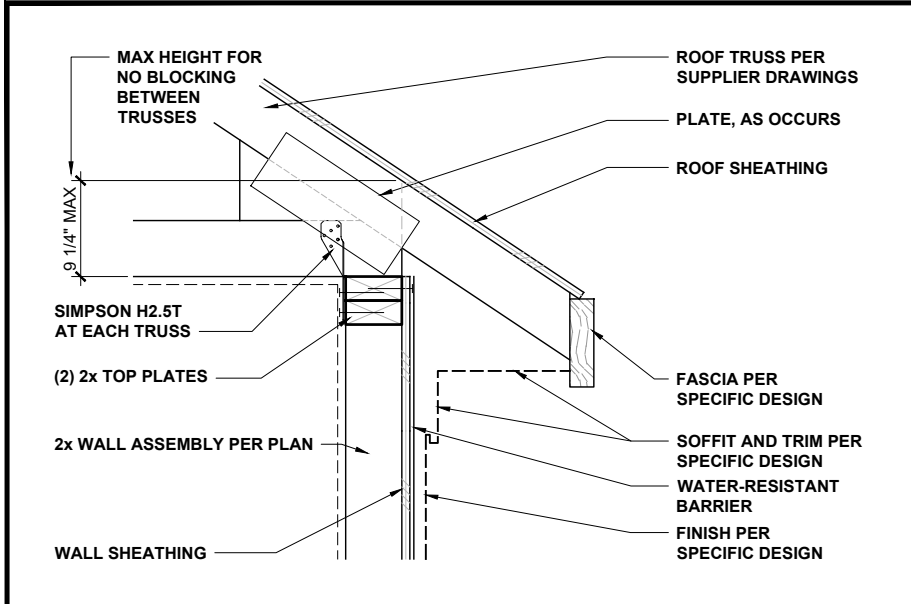
SLAB FOUNDATION DETAILS

DTSL

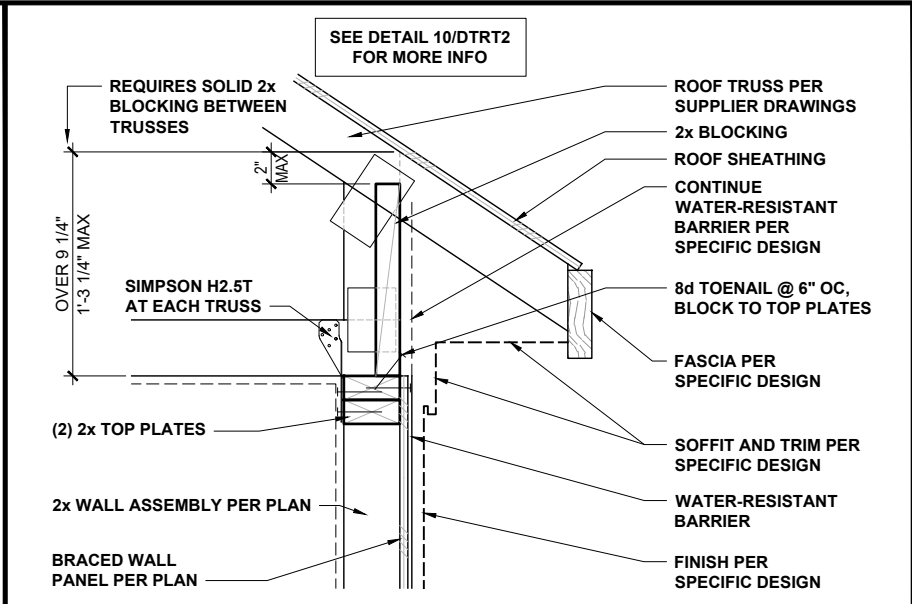


CONSTRUCTION METHODS OR ANY CHANGES TO PLANS MADE IN THE FIELD BY CONTRACTOR OR BY OTHERS. DRAWINGS ARE PROVIDED TO CLIENT FOR THE LOT NUMBER, PROPERTY, OR AS A MASTER PLAN AS SPECIFIED ON TITLE SHEET. DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS ON DRAWINGS.

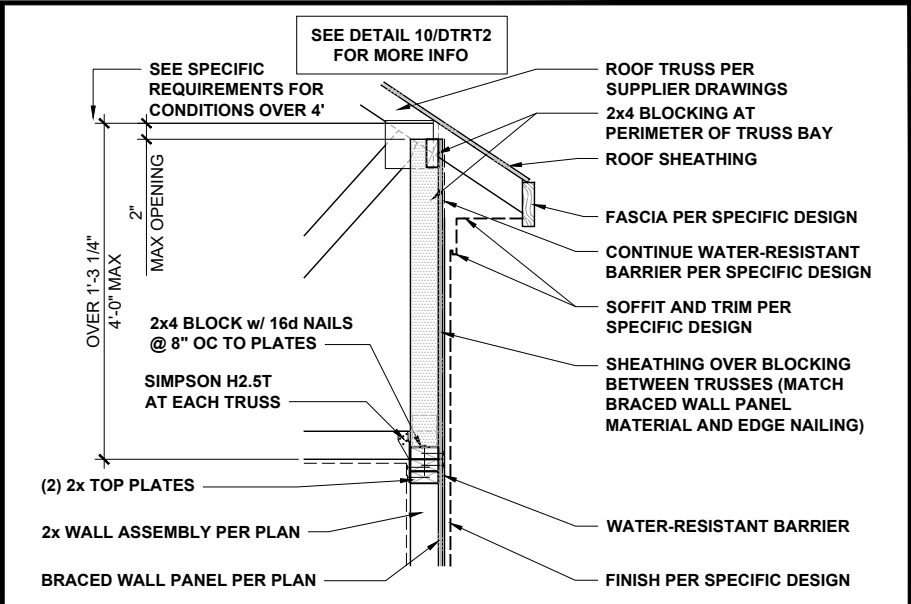




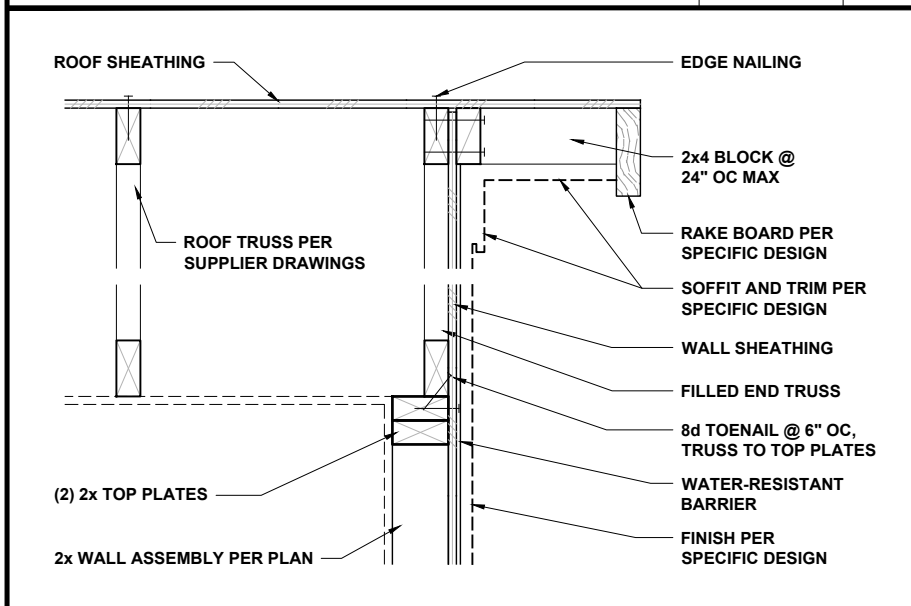
LOW-HEEL TRUSS AT WALL 1" = 1'-0" 1



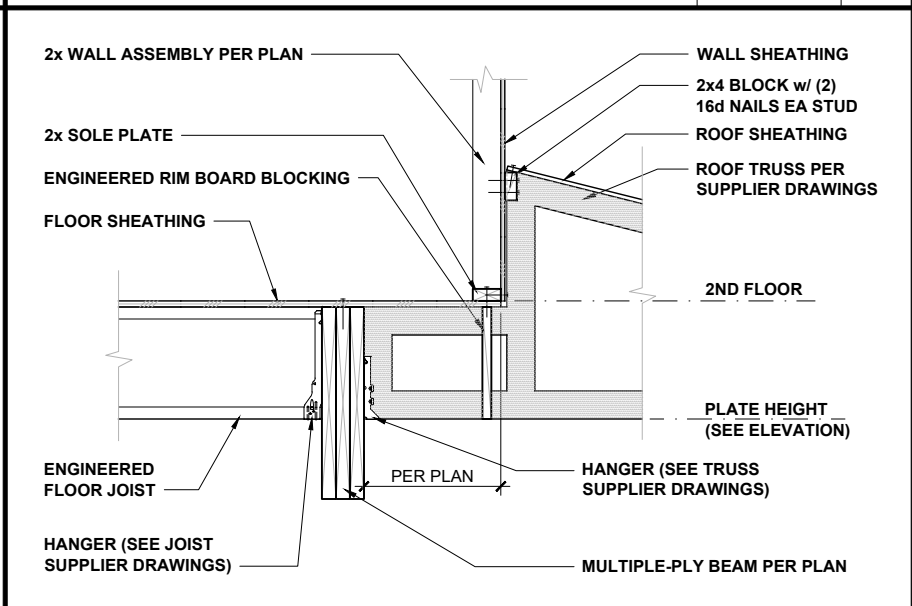
TYPICAL TRUSS AT BRACED WALL 1" = 1'-0" 2



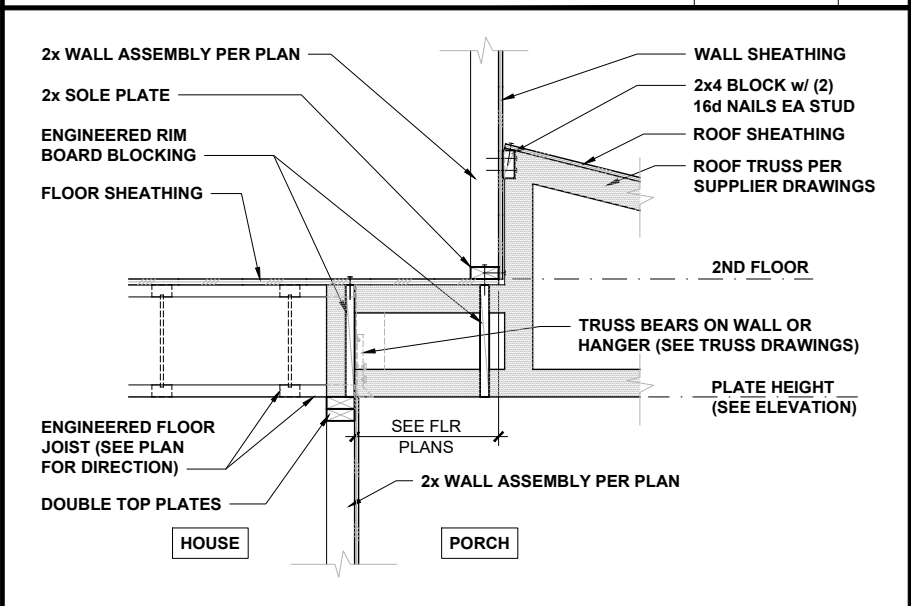
HIGH-HEEL TRUSS AT BRACED WALL 1/2" = 1'-0" 3



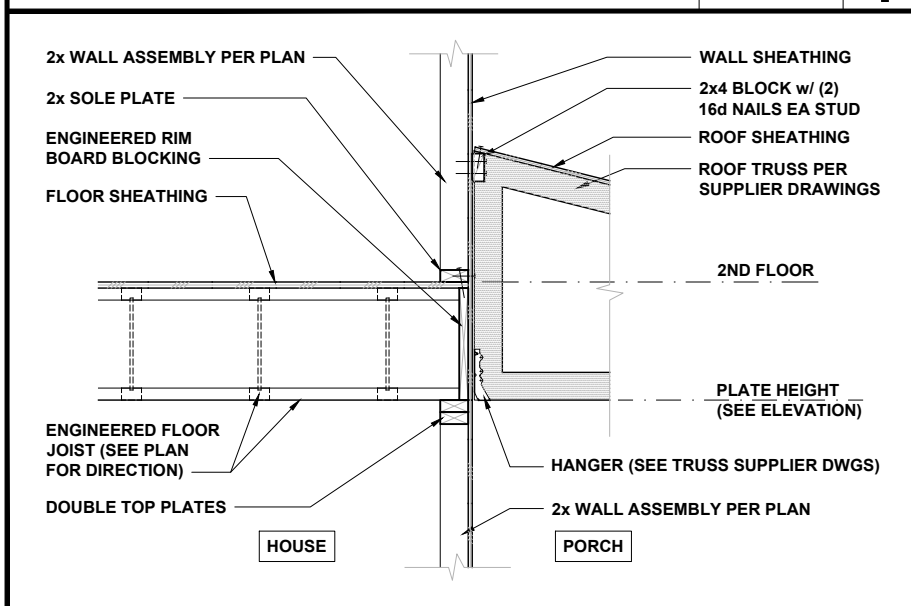
END TRUSS AT WALL 1" = 1'-0" 4



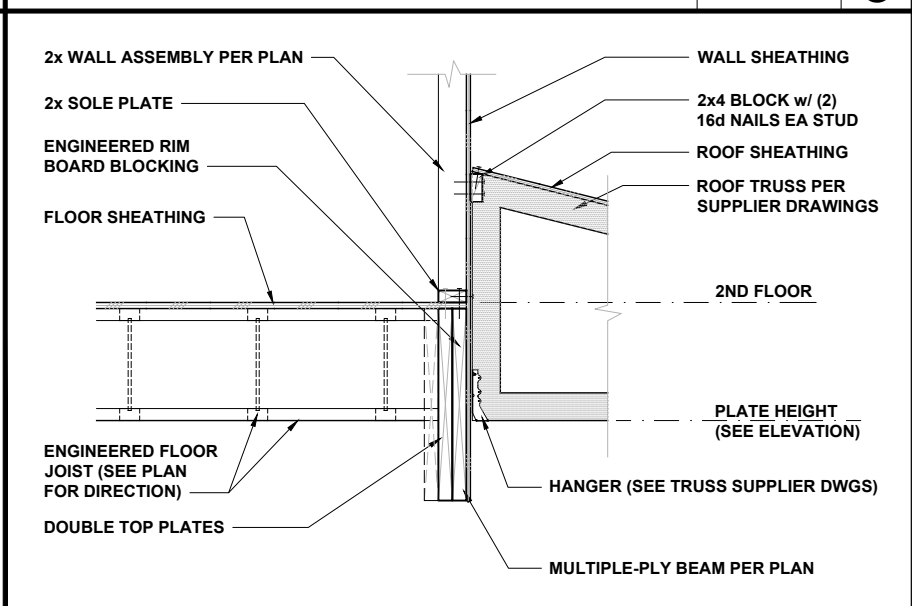
TRUSS AT BEAM AND WALL 1/2" = 1'-0" 5



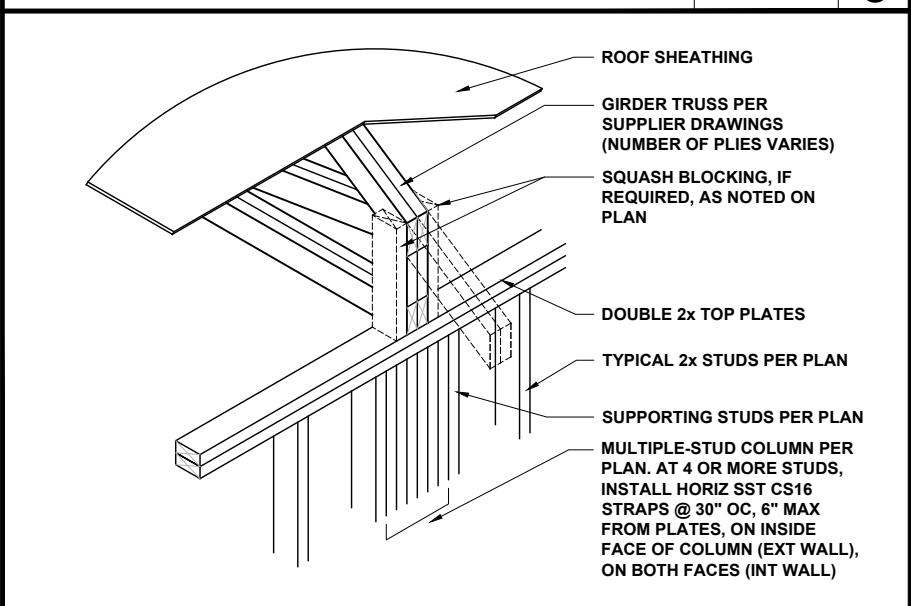
TRUSS AT FLOOR AND WALL 1/2" = 1'-0" 6



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**

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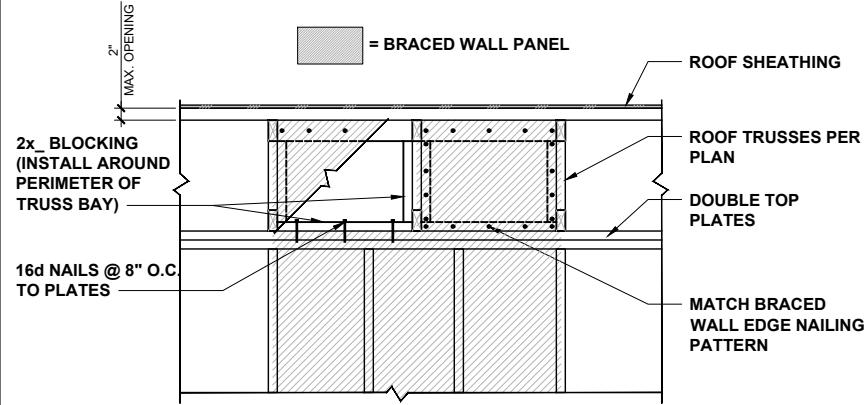
mattamyHOMES

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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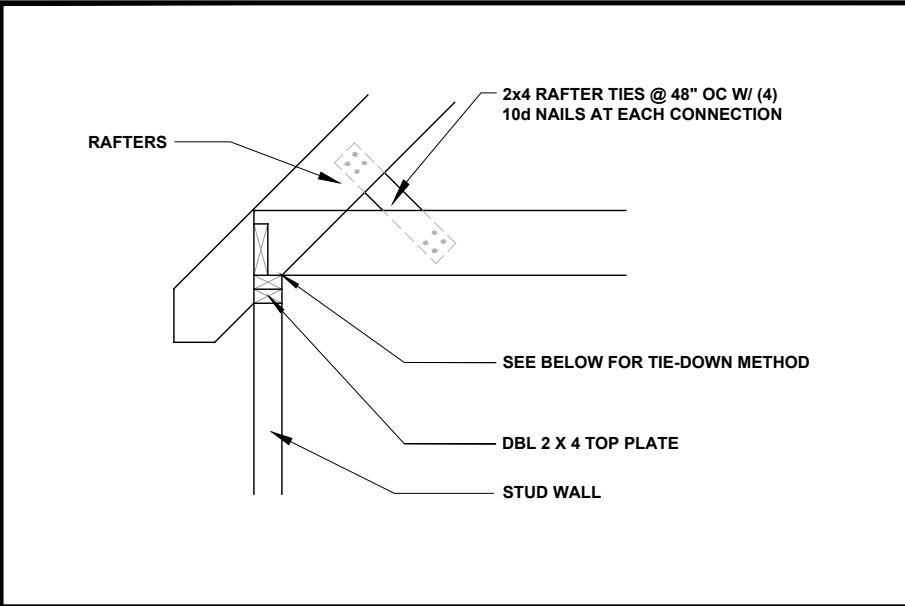


PROJECT NO.:
STANDARD DETAILS

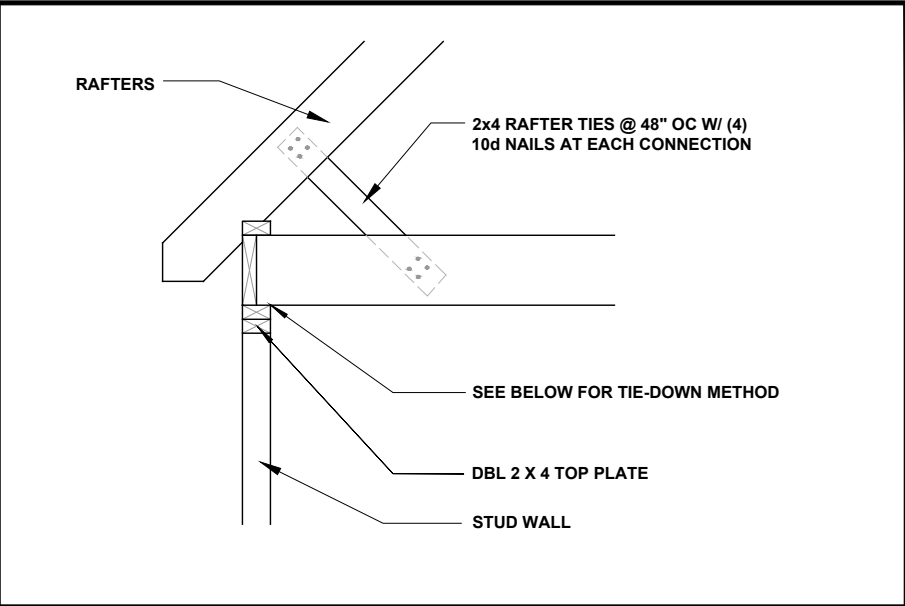
DATE: 04/27/2023	DRAWN BY: CAR
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ROOF TRUSS FRAMING
DETAILS

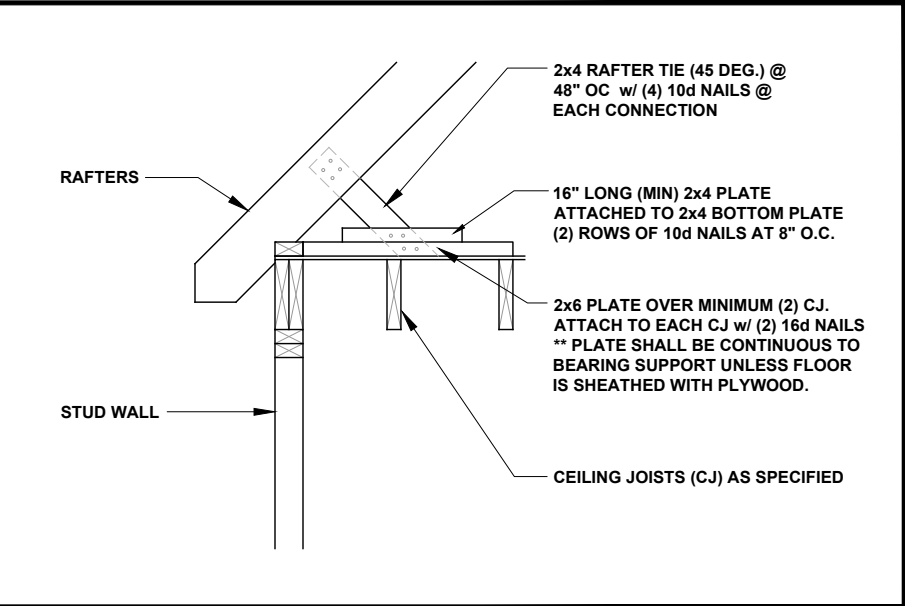
DTRT2



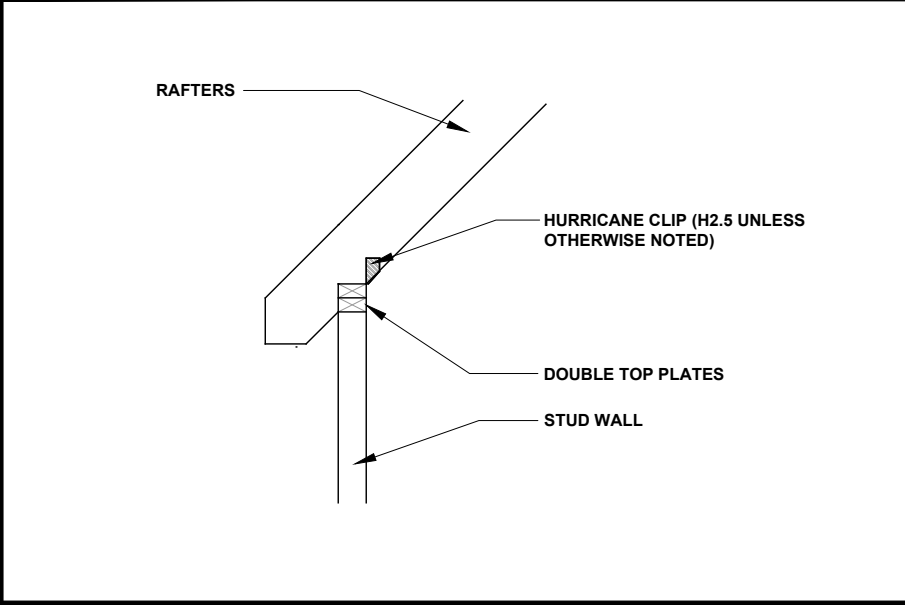
RAFTER TIE 1/2" = 1'-0" 1



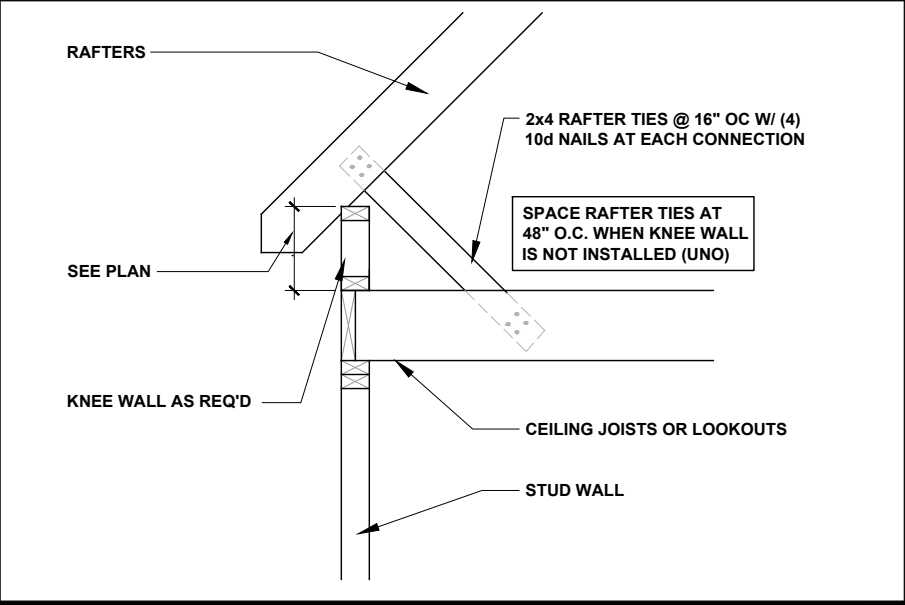
RAFTER TIE 1/2" = 1'-0" 2



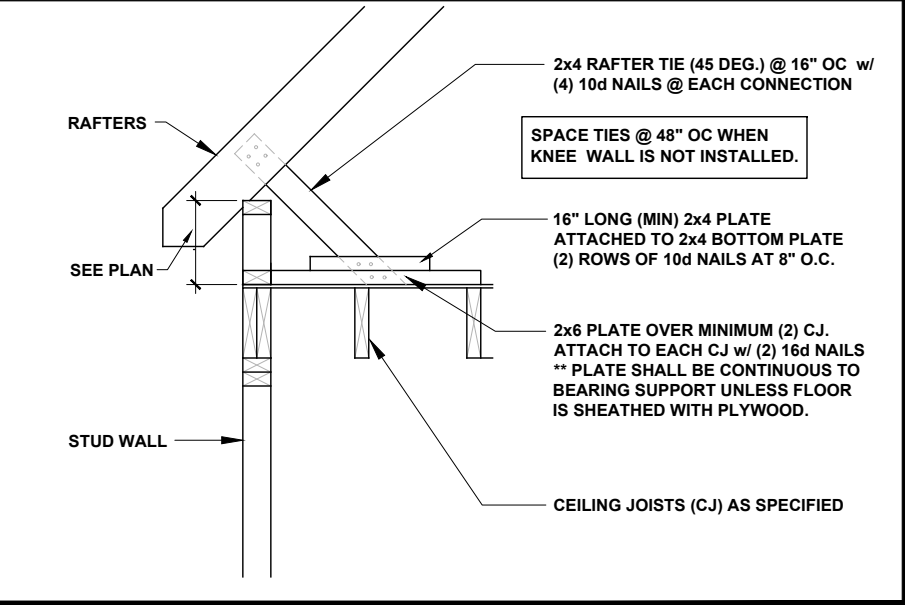
RAFTER TIE 1/2" = 1'-0" 3



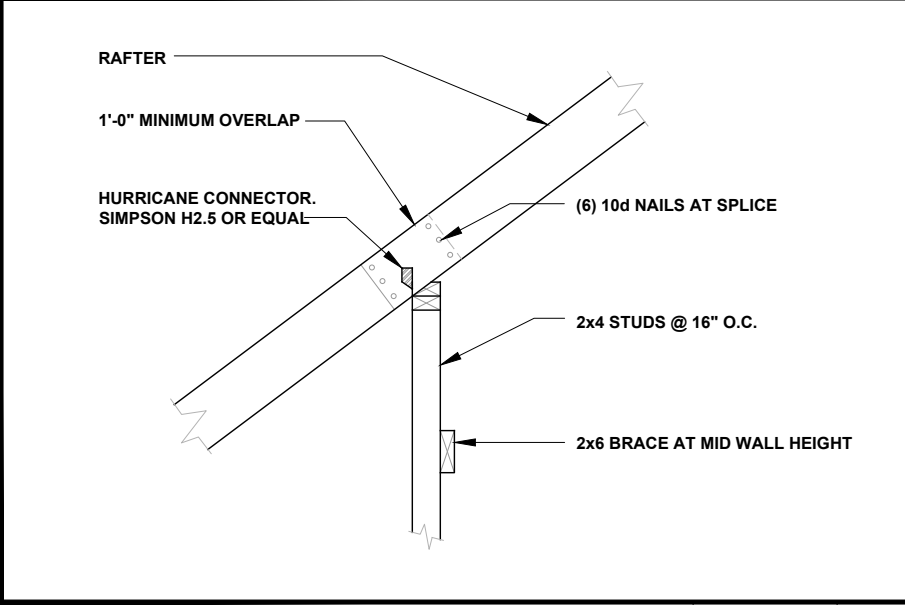
RAFTER-TO-PLATES CONNECTION 1/2" = 1'-0" 4



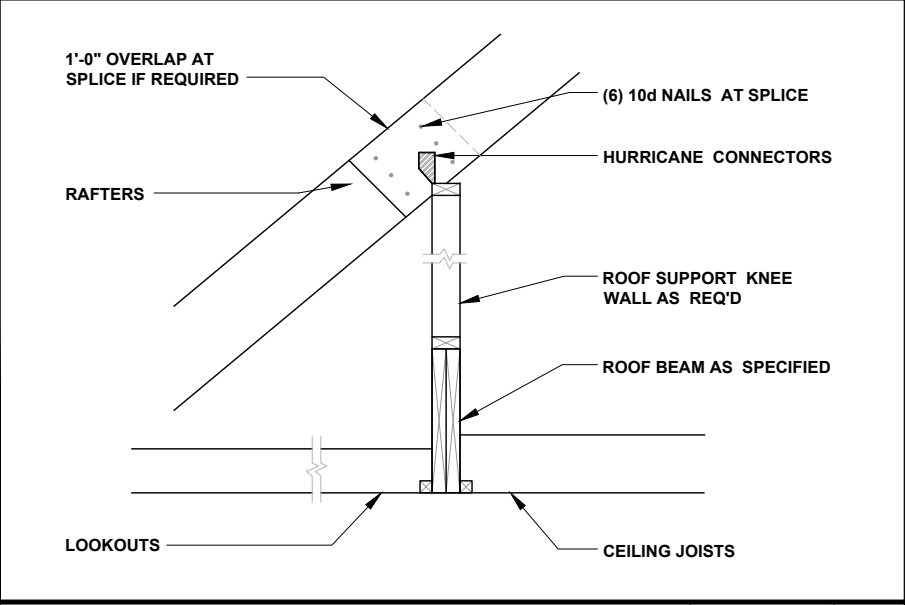
RAFTER AT KNEE WALL 1/2" = 1'-0" 5



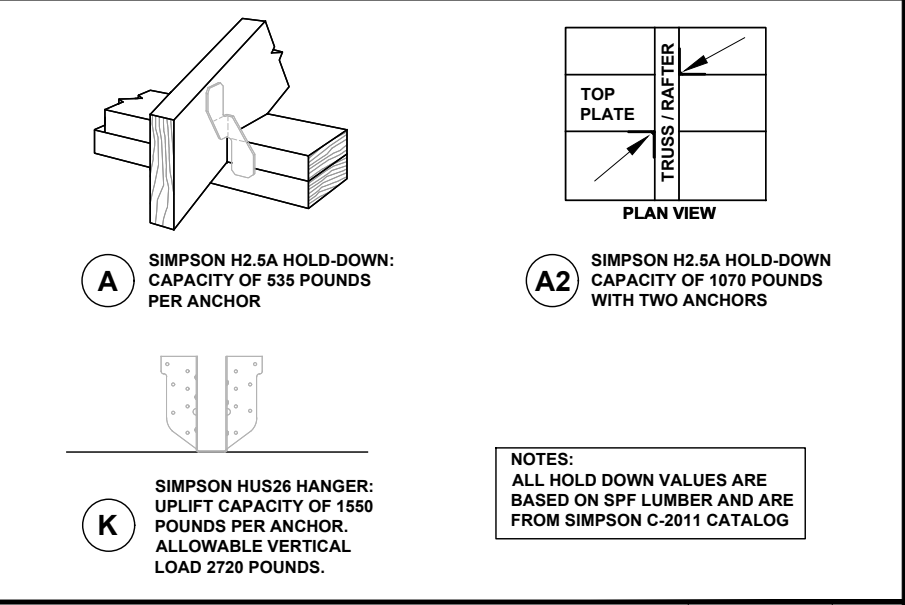
RAFTER AT KNEE WALL 1/2" = 1'-0" 6



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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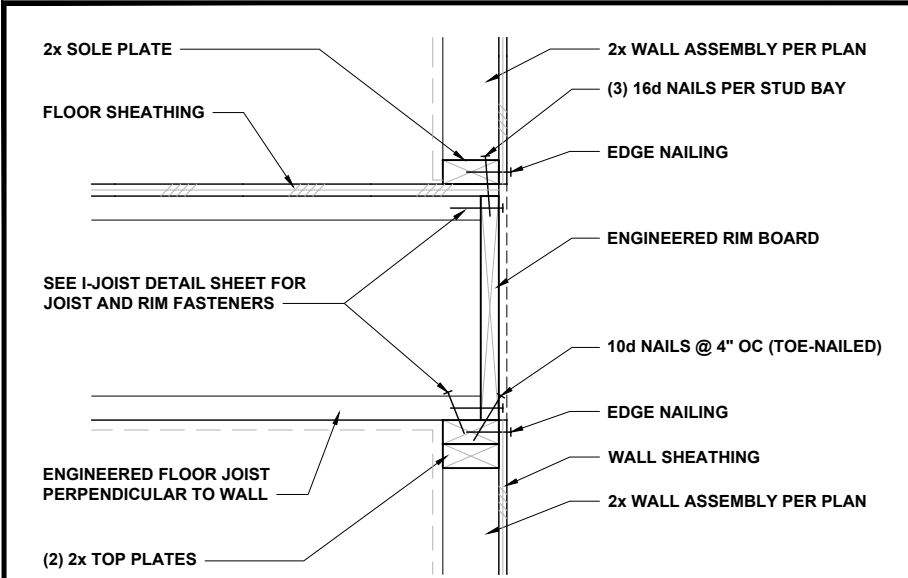


PROJECT NO.: **STANDARD DETAILS**

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

CONVENTIONAL
FRAMING DETAILS

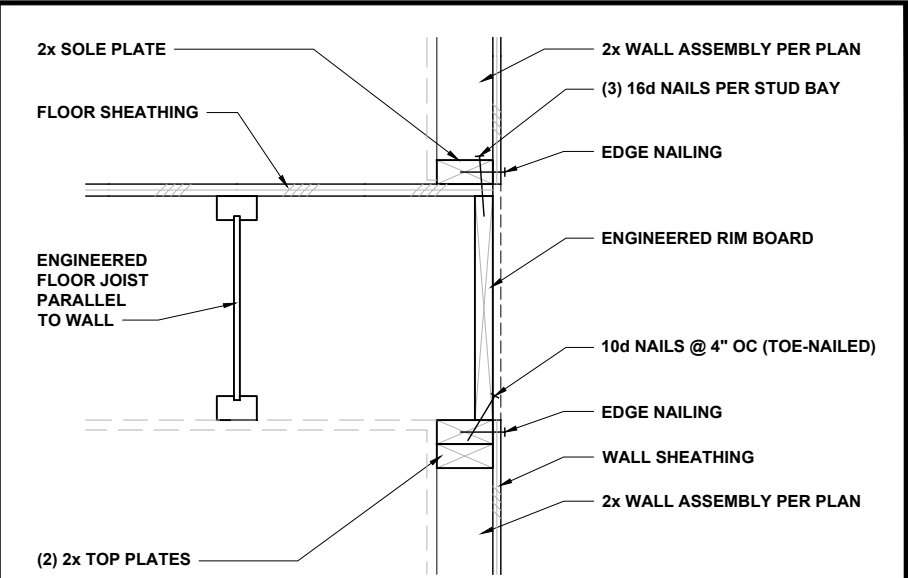
DTRR



FLOOR JOISTS PERP TO WALL

1" = 1'-0"

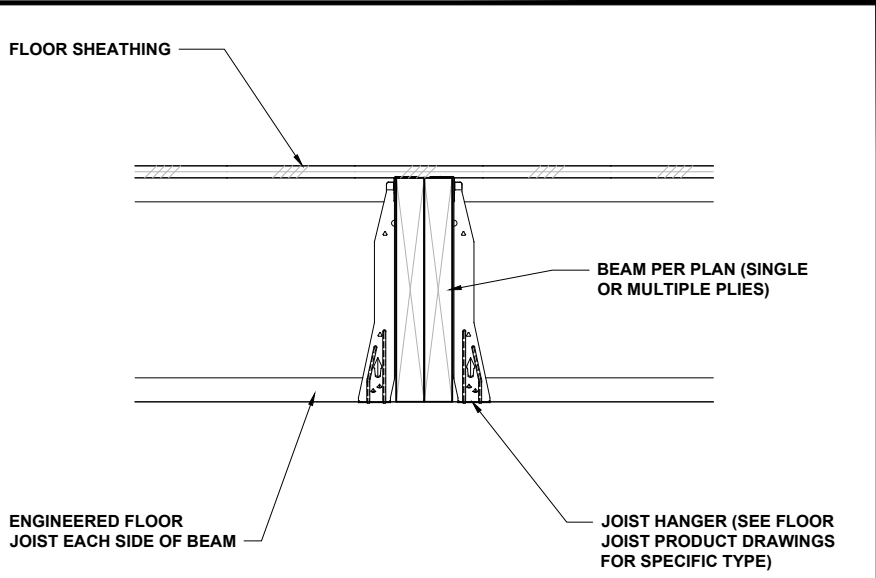
1



FLOOR JOISTS PARALLEL TO WALL

1" = 1'-0"

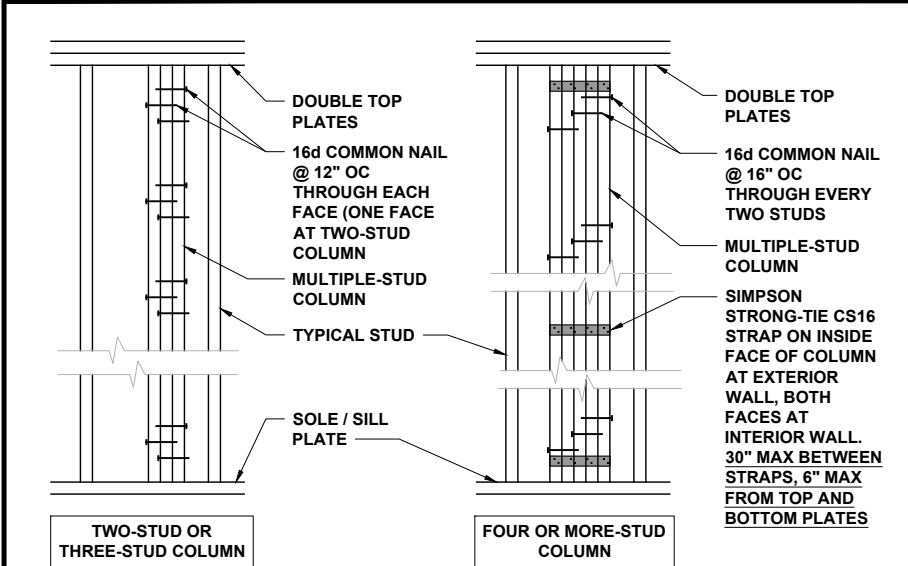
2



FLOOR JOISTS AT FLUSH BEAM

3/4" = 1'-0"

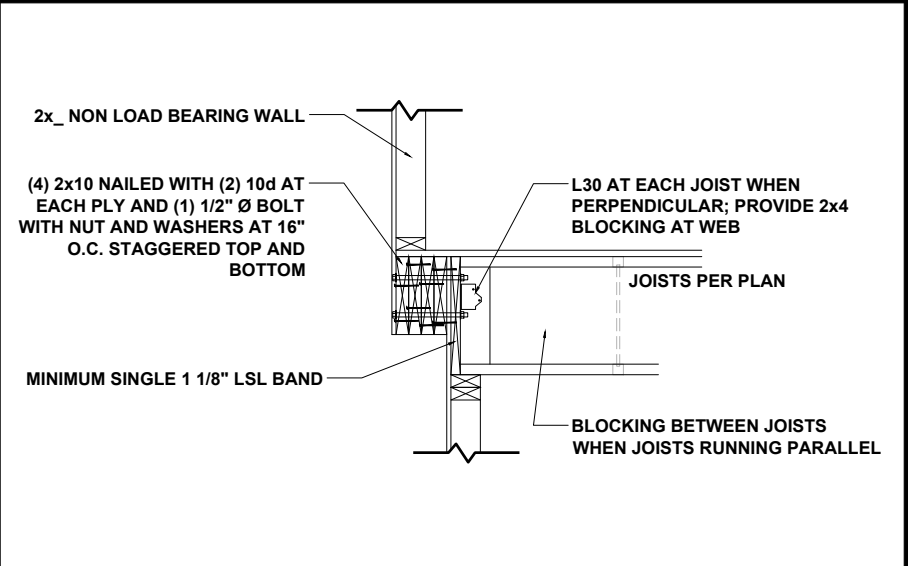
3



MULTIPLE-STUD COLUMN FASTENING

1/2" = 1'-0"

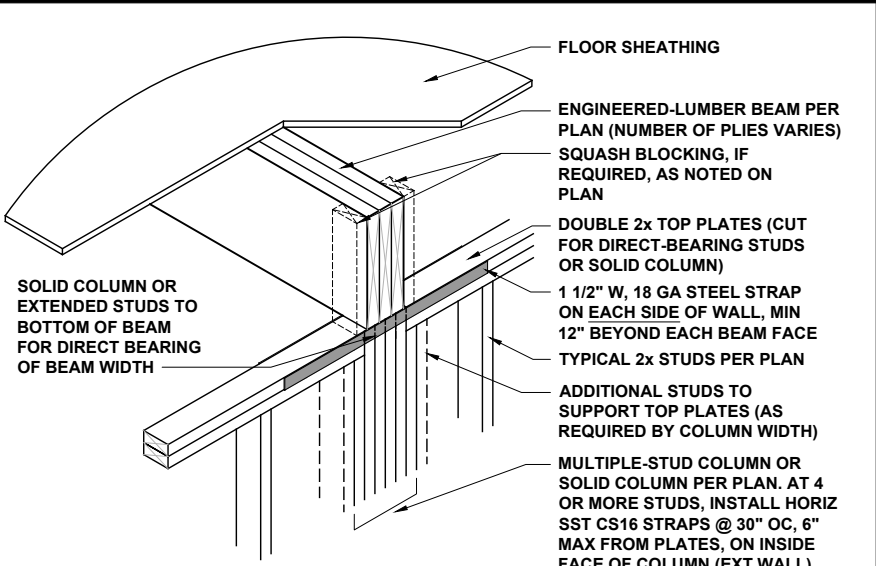
4



6 IN. SIDE UPGRADE CONNECTION

1/2" = 1'-0"

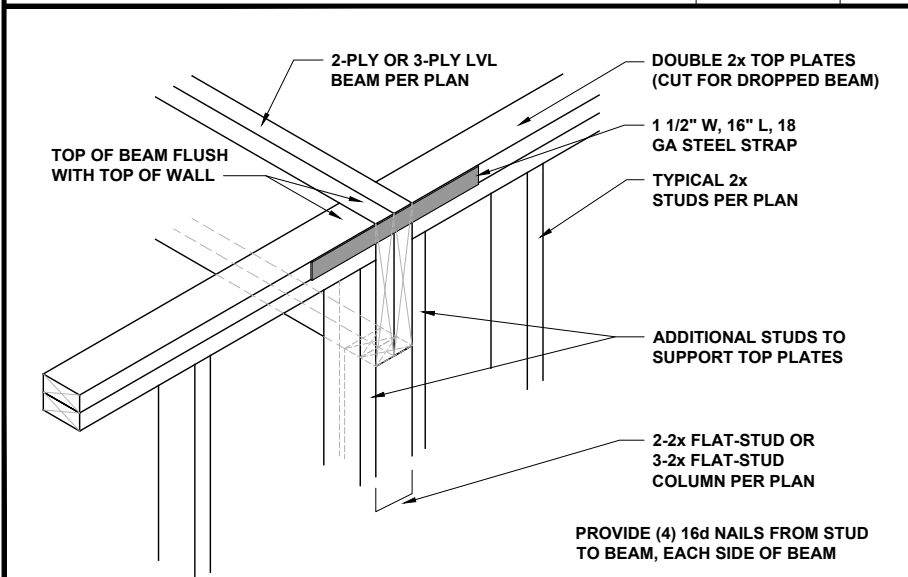
5



FLUSH BEAM AT WALL

1/2" = 1'-0"

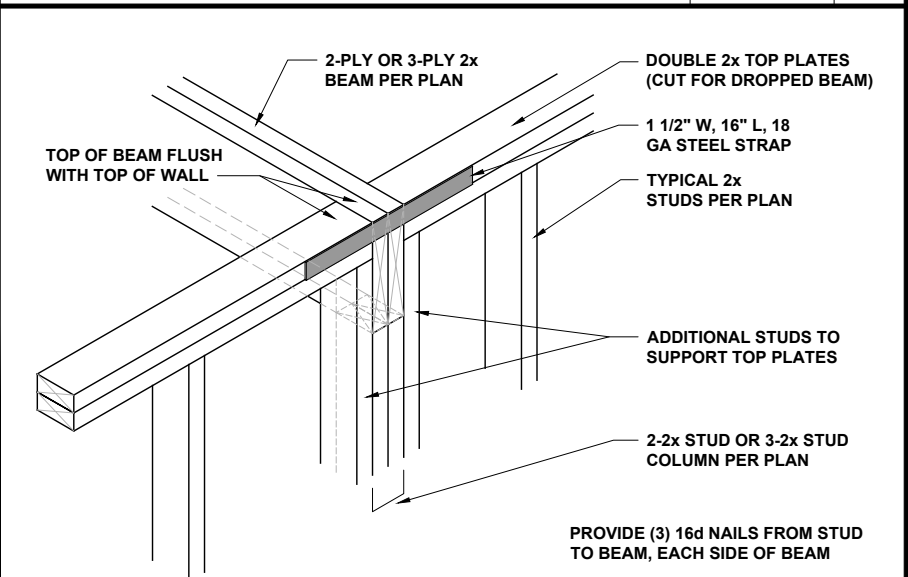
6



DROPPED LVL BEAM AT WALL

3/4" = 1'-0"

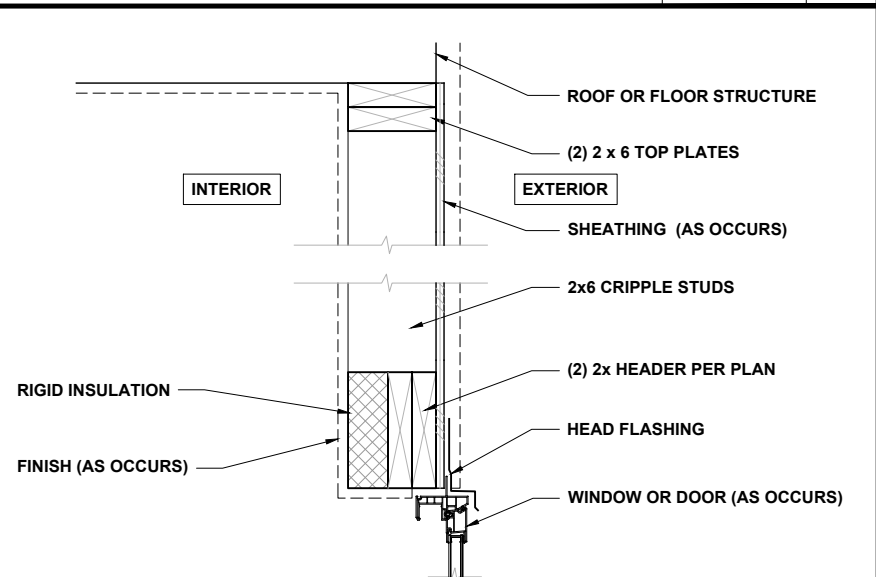
7



DROPPED 2x BEAM AT WALL

3/4" = 1'-0"

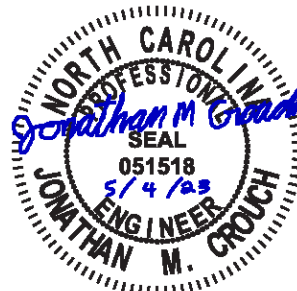
8



HEADER WITH INSULATION

1" = 1'-0"

9



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PROJECT: **STANDARD DETAILS**

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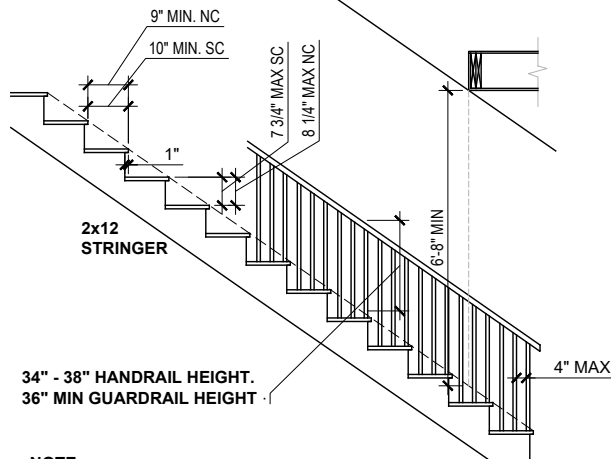
mattamyHOMES

PROJECT NO.: **STANDARD DETAILS**

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

MISCELLANEOUS
FRAMING DETAILS

MISC1

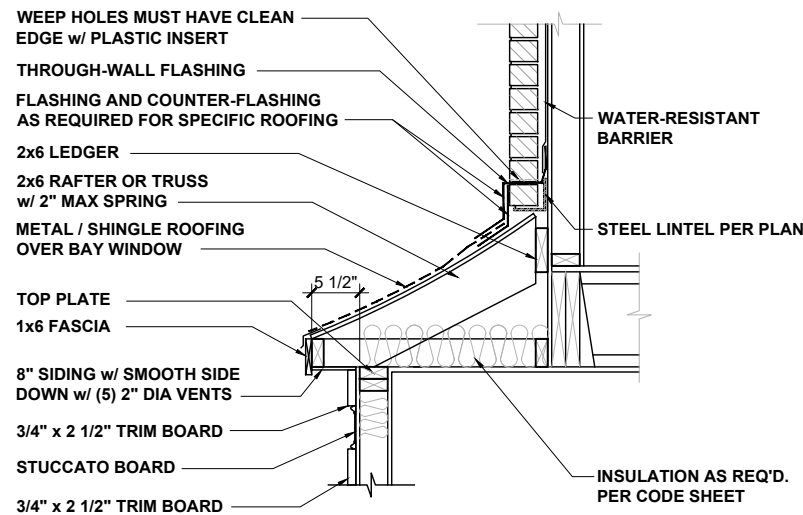


NOTE:
EACH TREAD AND RISER MUST BE UNIFORM,
WITH NO MORE THAN 3/8" MAXIMUM VARIATION.

TYPICAL STAIR REQUIREMENTS

1/4" = 1'-0"

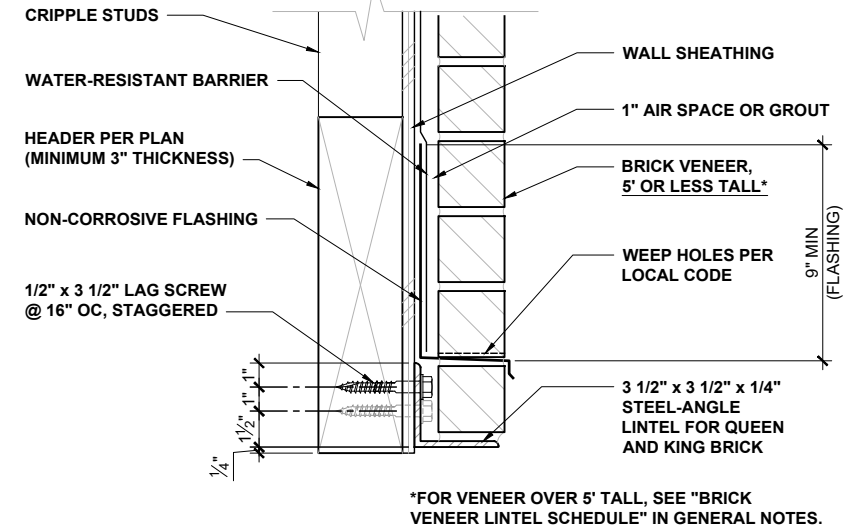
1



BAY ROOF

1/2" = 1'-0"

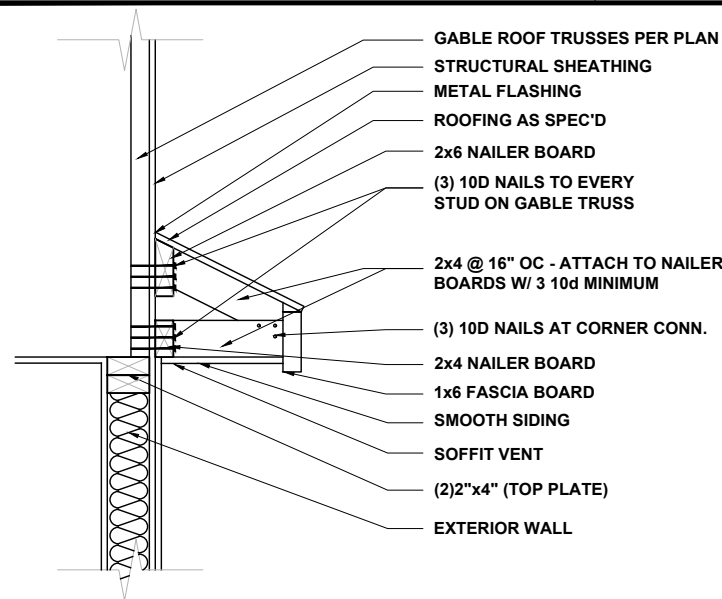
2



ALTERNATE LINTEL AT WIDE OPENING

1 1/2" = 1'-0"

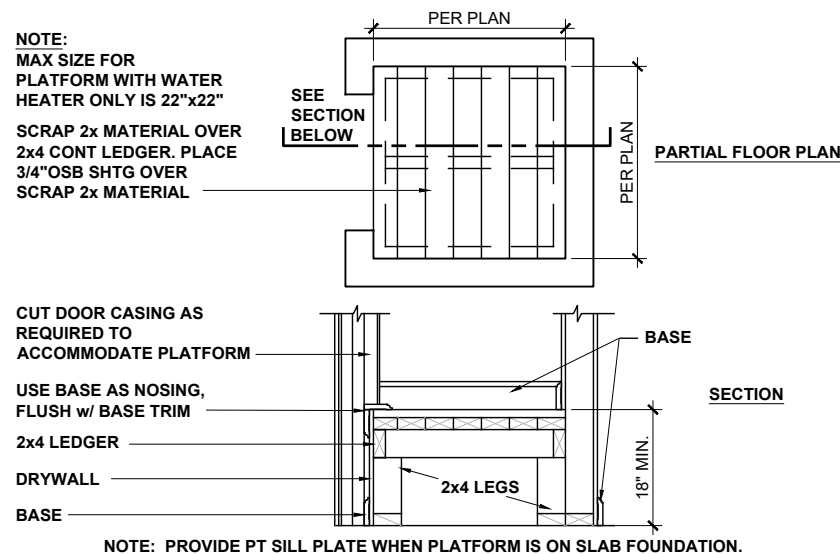
3



GABLE ROOF RETURN

3/4" = 1'-0"

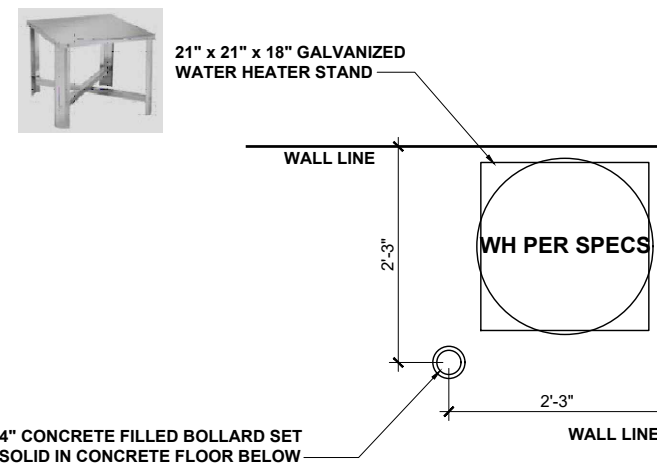
4



HVAC / WATER HEATER CLOSET

1/2" = 1'-0"

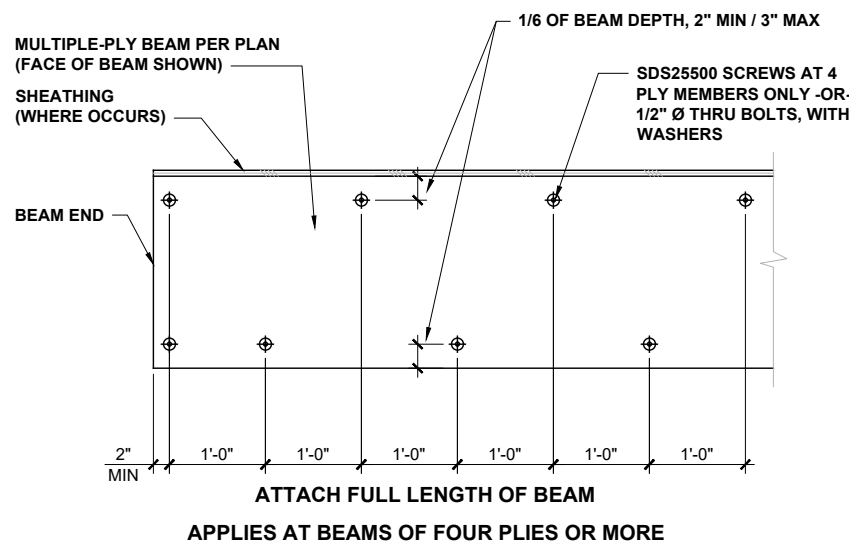
5



WATER HTR PLATFORM IN GARAGE

1/2" = 1'-0"

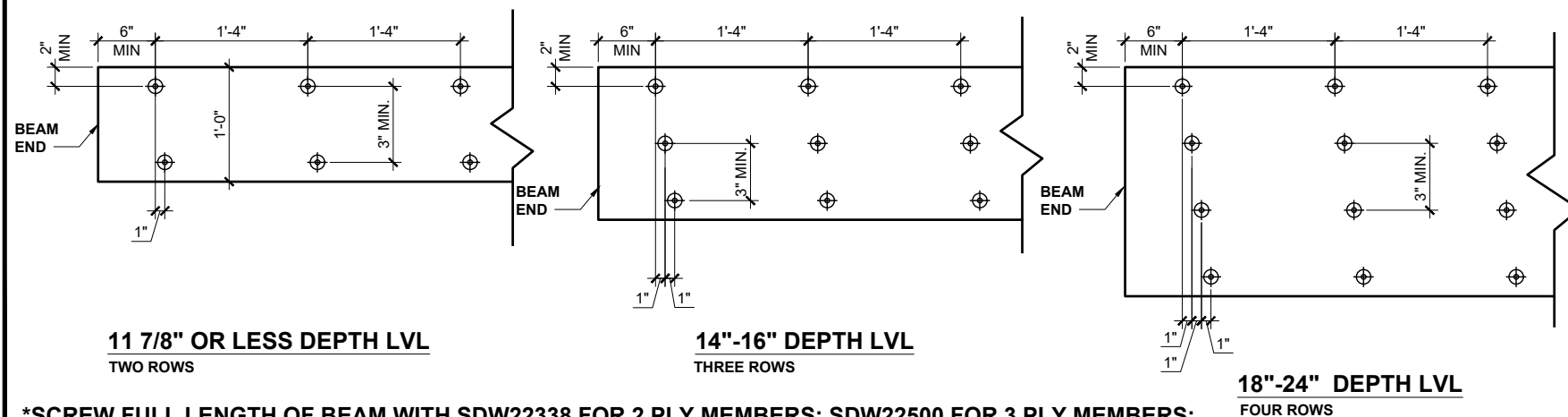
6



2x BEAM ATTACHMENT

1/2" = 1'-0"

7



LVL BEAM SCREW ATTACHMENT METHODS

NTS

8



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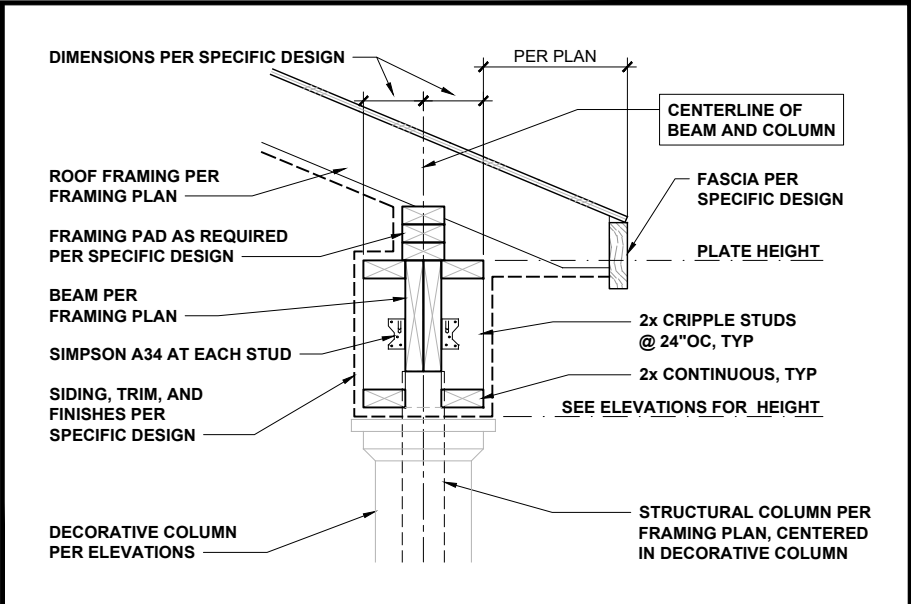
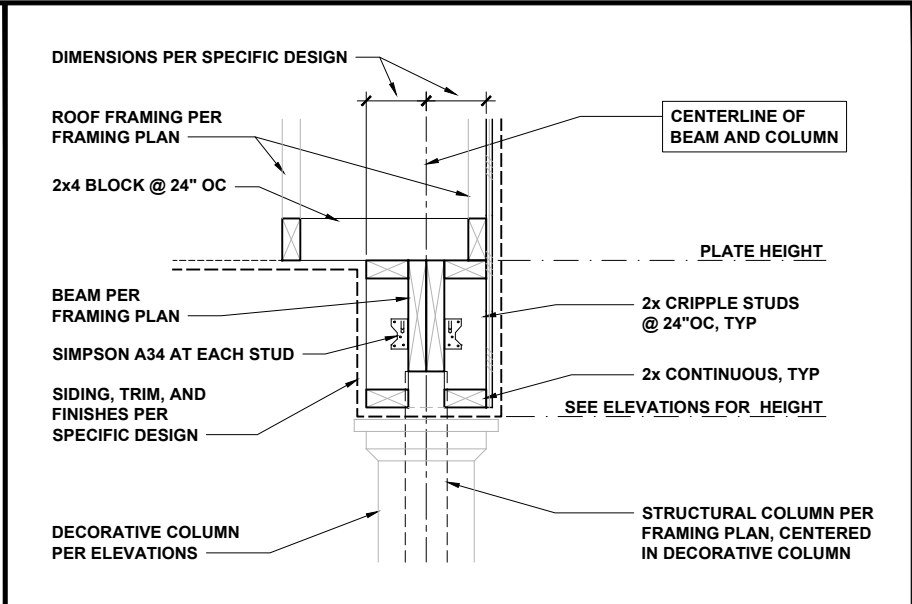
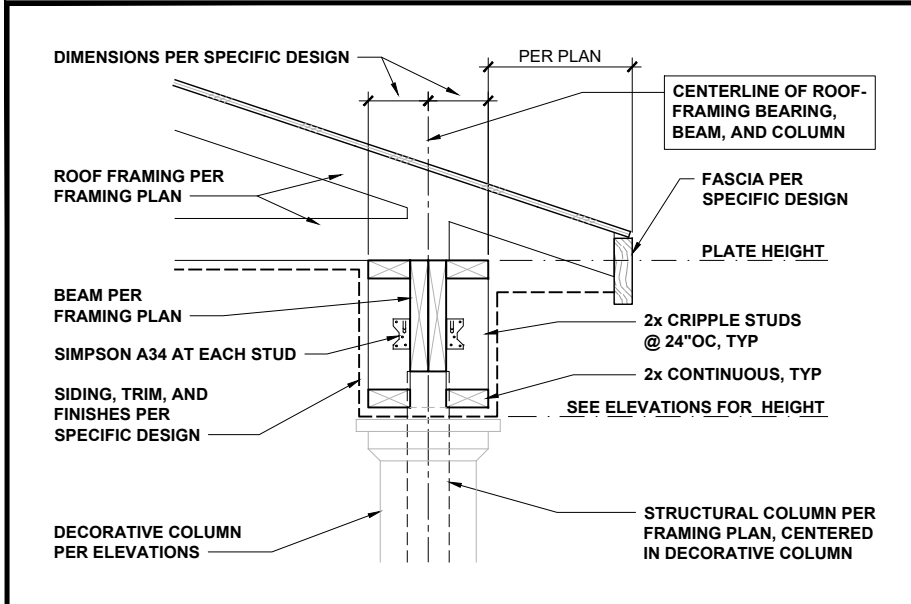
PROJECT NO.:
STANDARD DETAILS

DATE:
04/27/2023

DRAWN BY:
CAR

MISCELLANEOUS
FRAMING DETAILS

MISC2



COVERED PORCH EAVES

3/4" = 1'-0"

1

COVERED PORCH RAKE

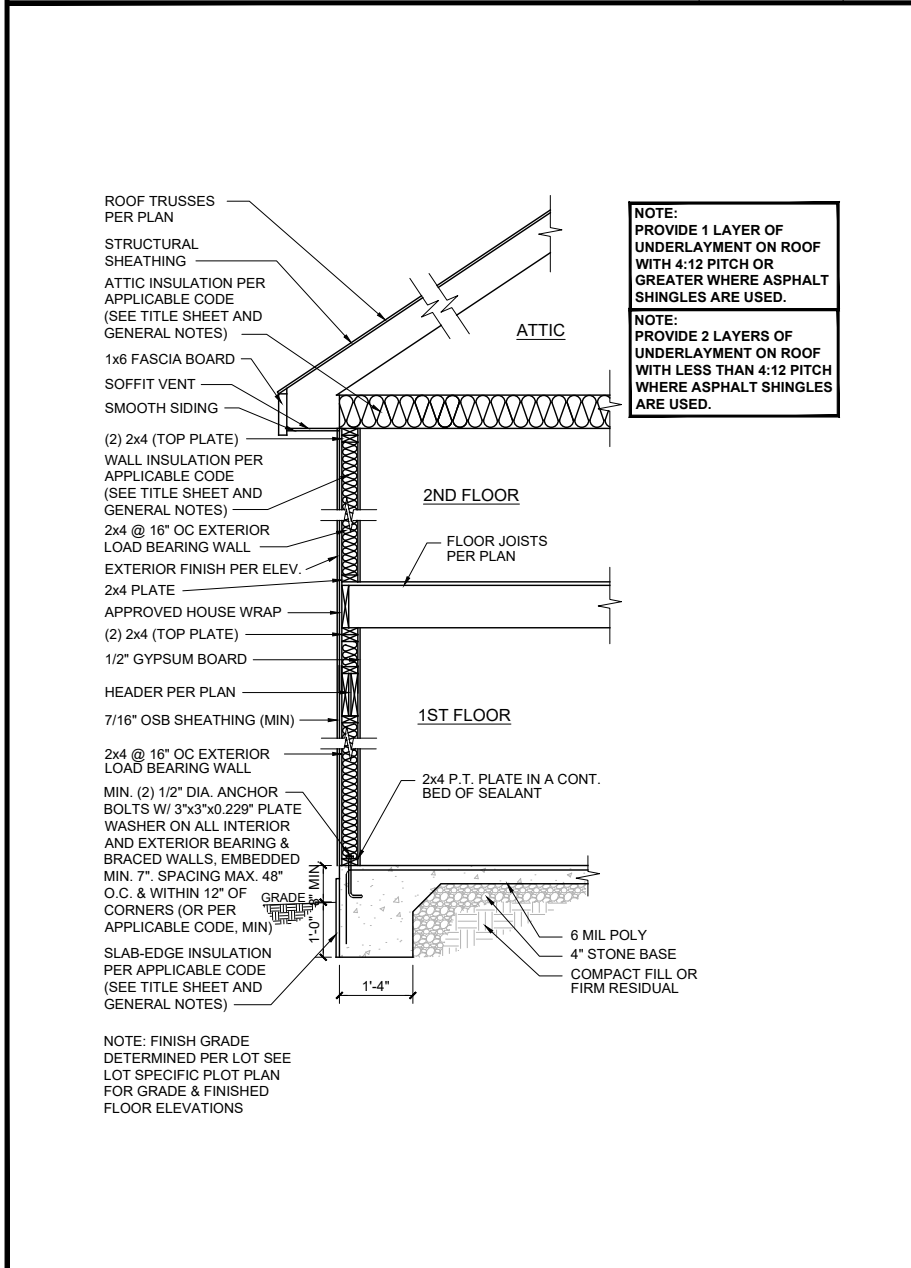
3/4" = 1'-0"

2

COVERED PORCH WITH SLOPING CLG

3/4" = 1'-0"

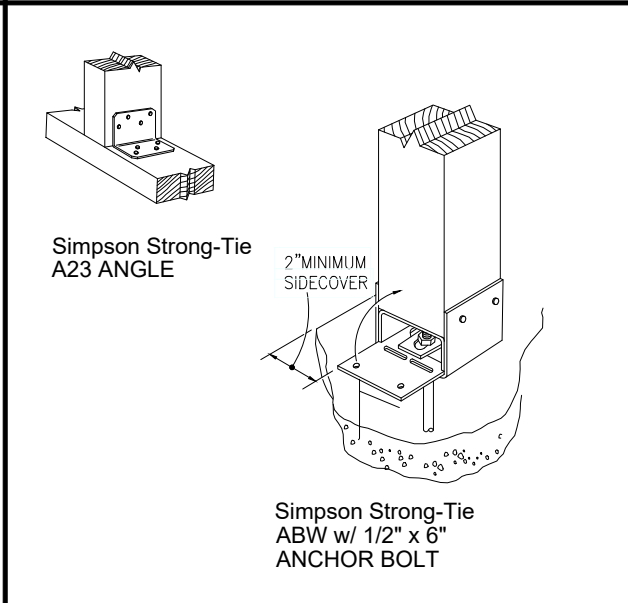
3



TWO-STORY ON SLAB

NTS

4



DK POST HOLD-DOWN

NTS

5

GOAL-POST FRAMING

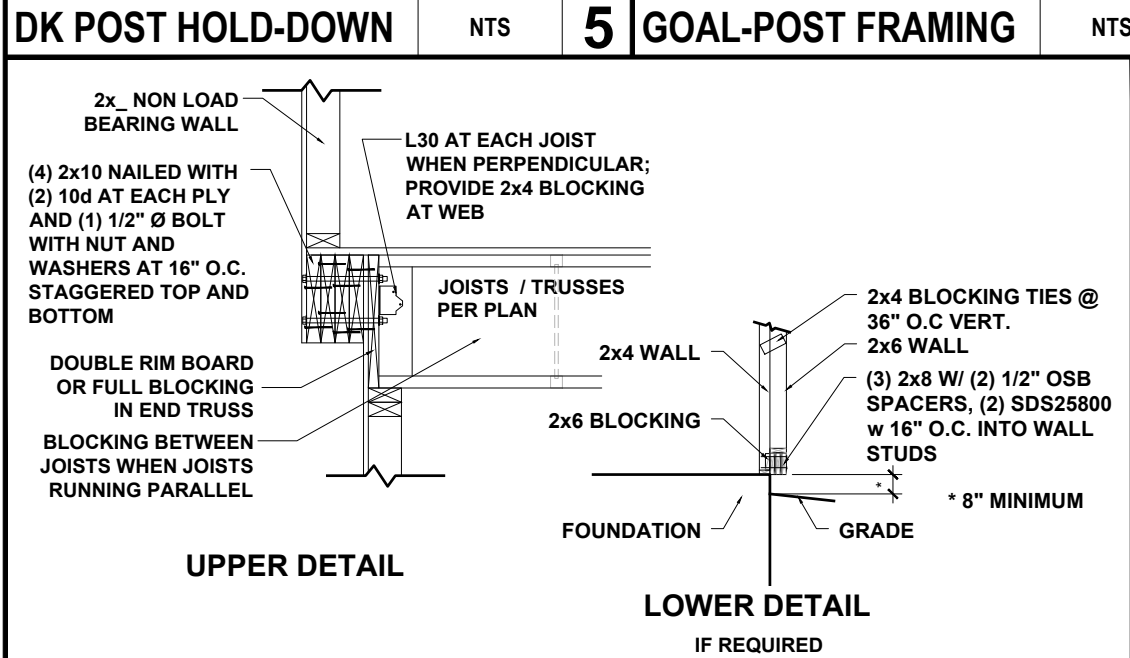
NTS

6

INTERIOR COL.

3" = 1'-0"

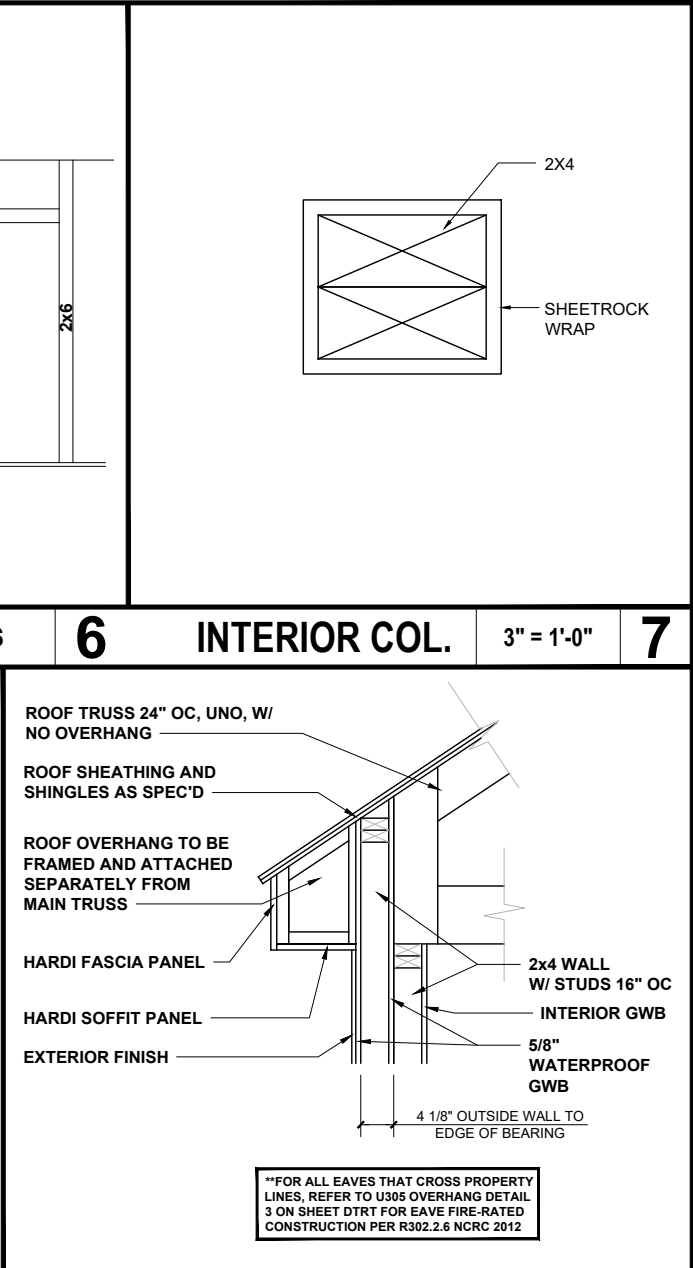
7



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

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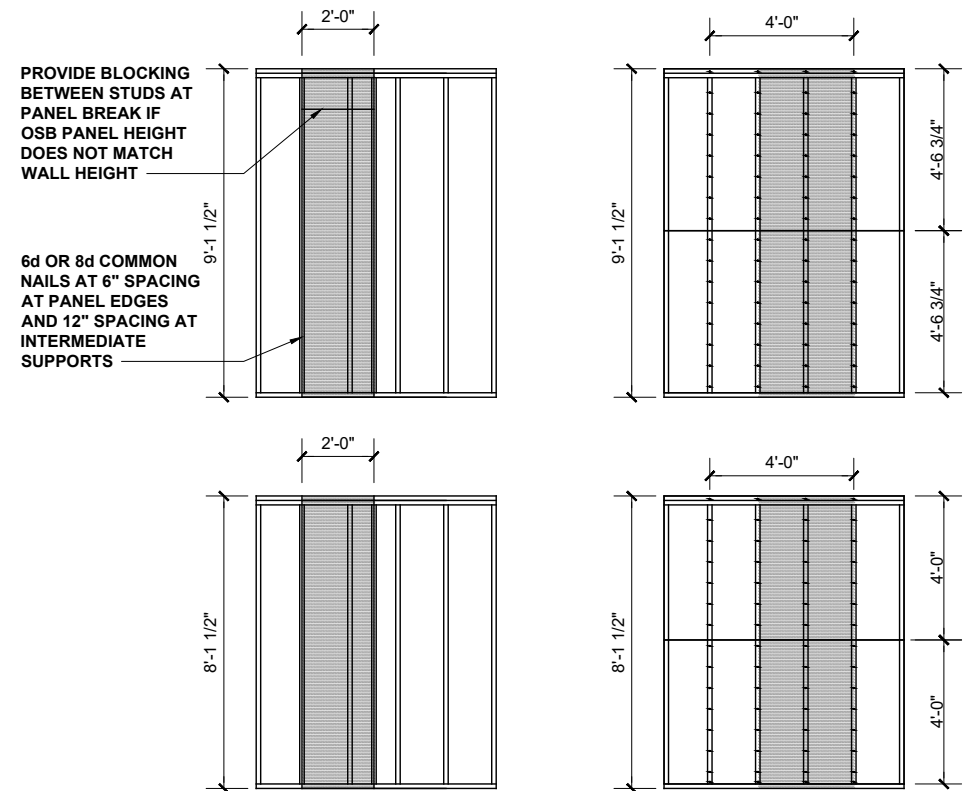
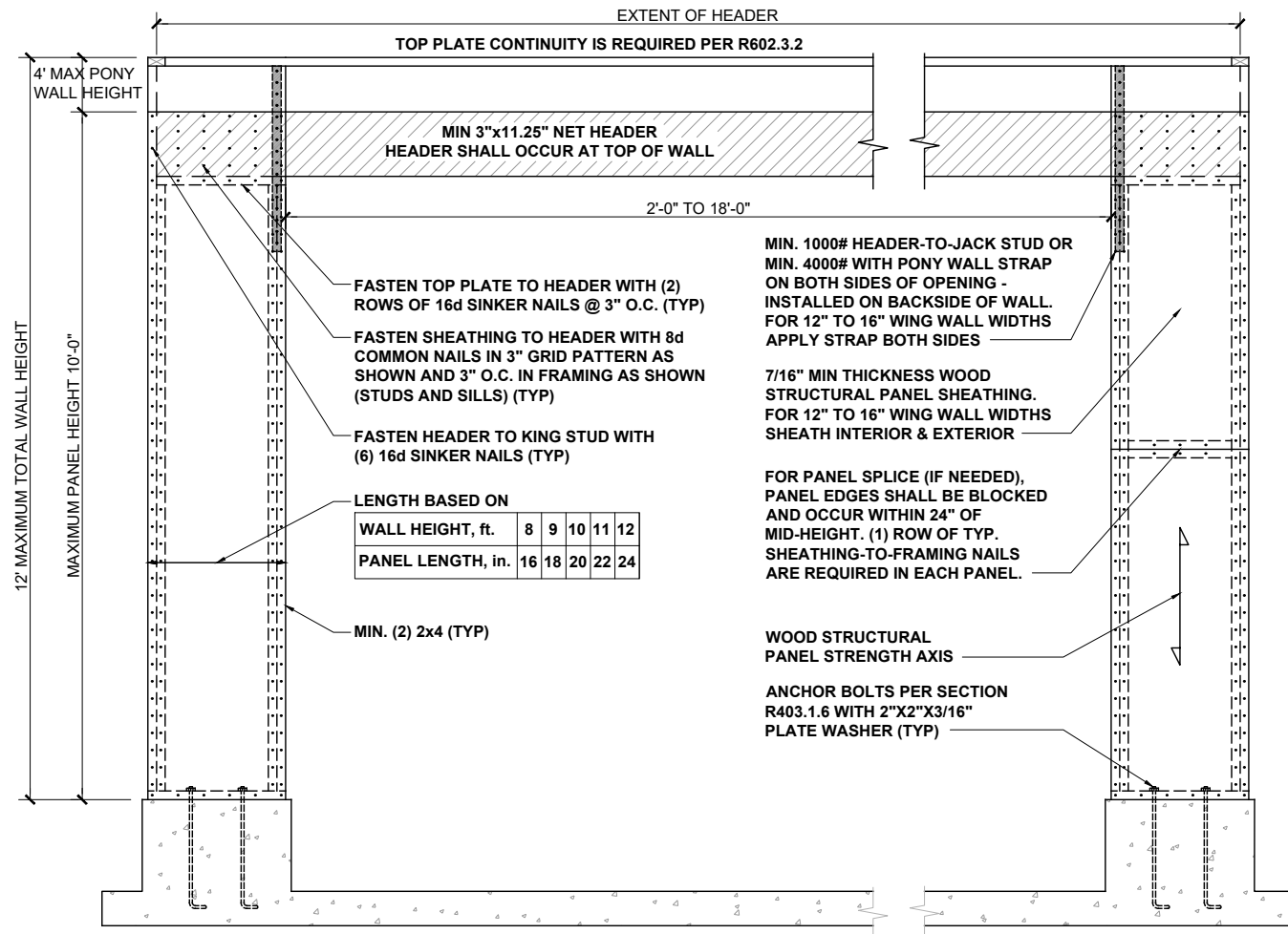
CLIENT: **MATTAMY HOMES**
PROJECT: **STANDARD DETAILS**
LOCATION: **NORTH CAROLINA**
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mattamyHOMES

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

MISCELLANEOUS FRAMING DETAILS

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 8d 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

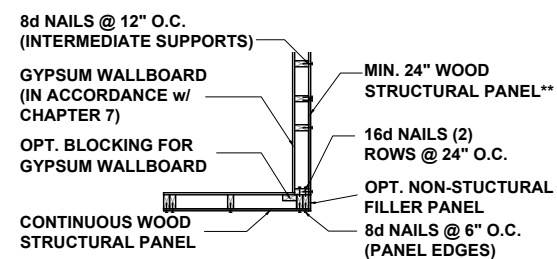
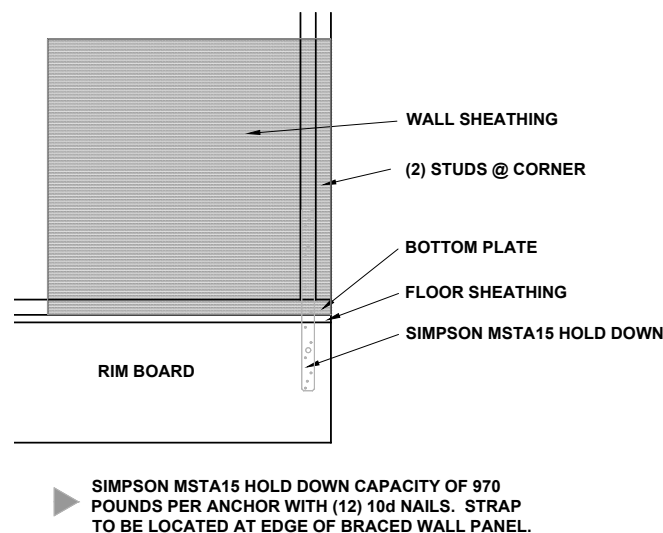
3/8" = 1'-0"

1

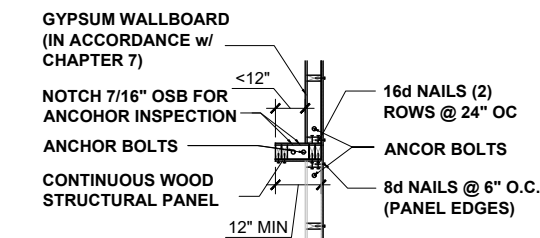
BRACING METHODS

3/16" = 1'-0"

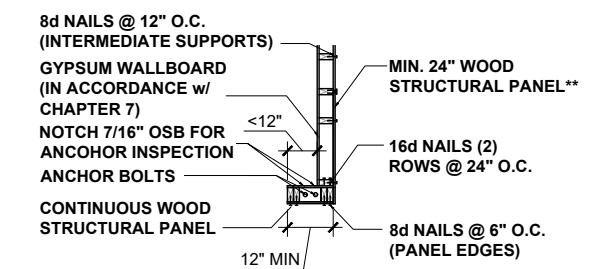
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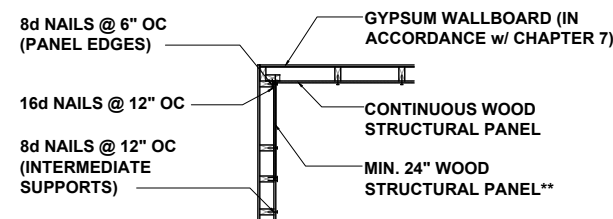
A) GARAGE DOOR CORNER



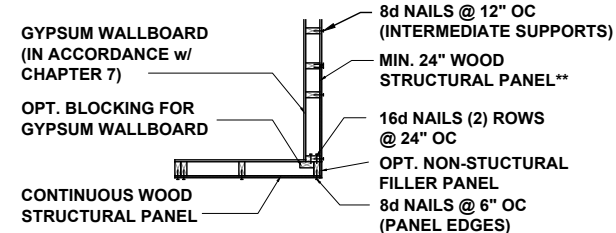
B) GARAGE T-WALL PORTAL FRAMING 16"-12"



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



P-0961

JDS Consulting
ENGINEERING • DESIGN • ENERGY

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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



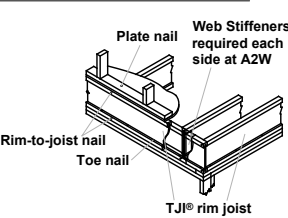
PROJECT NO.: **STANDARD DETAILS**

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

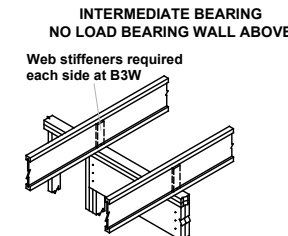
WALL BRACING DETAILS

DTWB

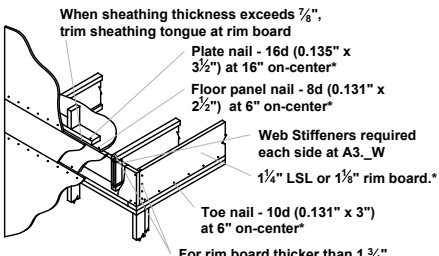
JOIST DETAILS



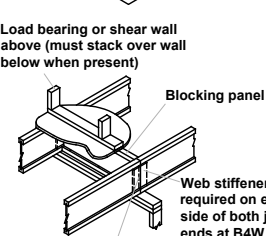
A2 A2W Must have 1 1/4" minimum joist bearing at ends. Attach rim joist per A3 detail.



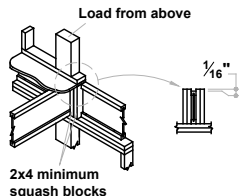
B3 B3W Blocking panels may be required with shear walls above or below (See detail B1)



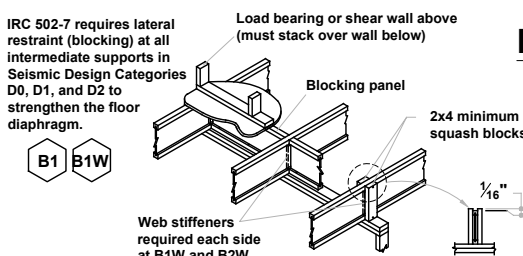
A3 A3W For rim board thicker than 1 3/4" - Attach Joist to rim board with one 10d (0.128"x3") nail. Top nail from joist into rim board. - Connect corner with four 10d (0.128"x3") nails. Toe nail from side of parallel closure into rim board



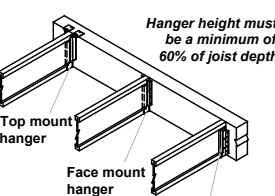
B4 B4W End of joists at centerline of support



CS Use 2x4 minimum squash blocks to transfer load around joist

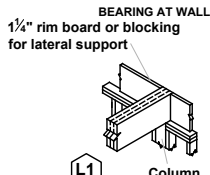


B2 B2W Blocking panels may be required with shear walls above or below - see detail B1

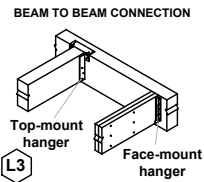


H1 Web stiffeners required if sides of hanger do not laterally support at least 3/8" of joist top flange

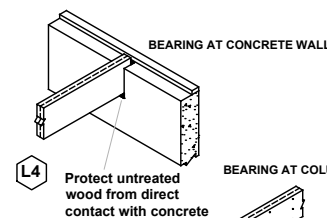
BEAM and COLUMN DETAILS



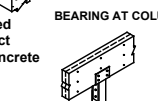
L1 Column



L3 Top-mount hanger Face-mount hanger



L4 Protect untreated wood from direct contact with concrete



L5 Verify column capacity and beam bearing length.

FASTENING of FLOOR PANELS

Guidelines for Closest On-Center Spacing per Row

Nail Size	I-JOIST *		Rim Board	1 1/2" LSL or wider	LVL	PSL
	110, 210, and 230 EQ.	360 and 560 EQ.	1 1/4" LSL			
8d (0.131" x 2 1/2")	4"	3"	4"	3"	3"	3"
10d (0.148"x 3"), 12d (0.148"x 3 1/4")	4"	4"	4"	4"	4"	4"
16d (0.162"x 3 1/2")	6"	6"	6" (2)	6" (2)	8"	6"

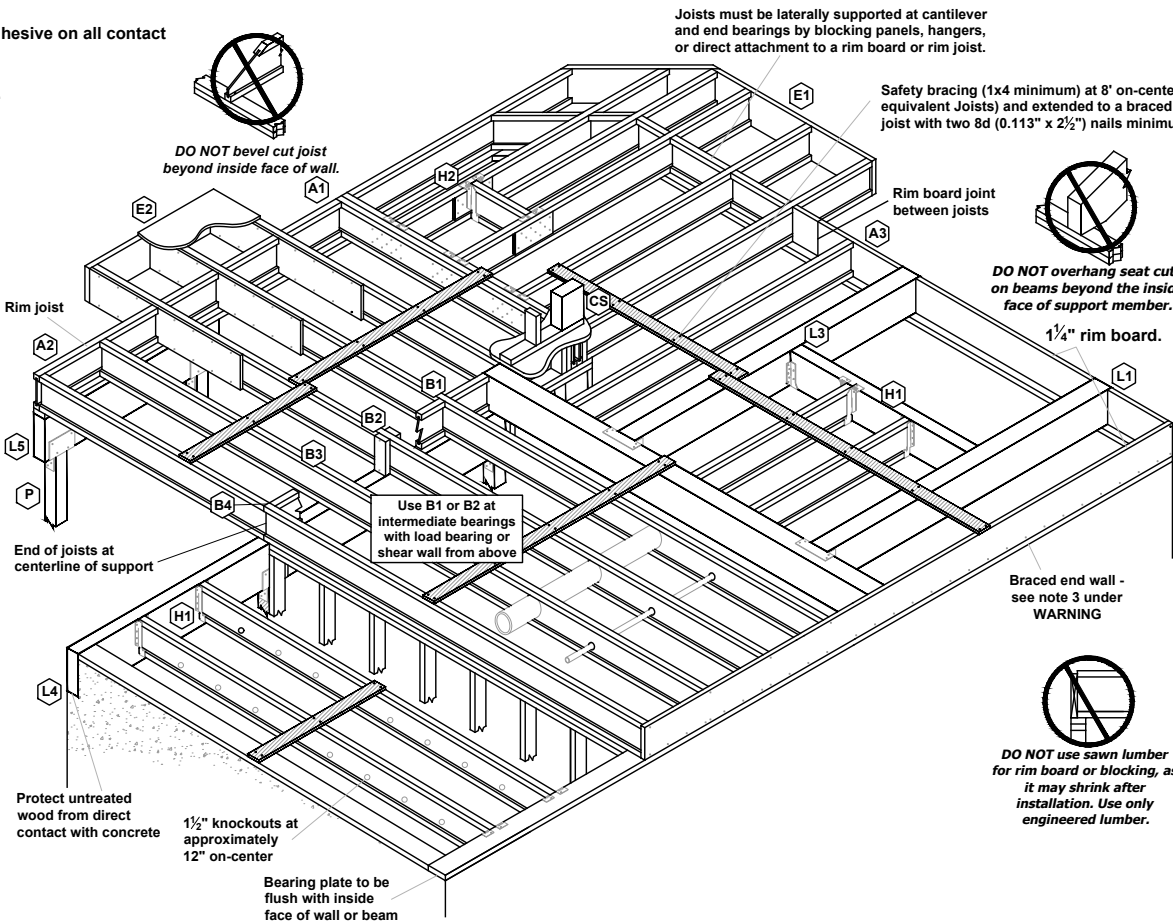
- (1) One row of fasteners permitted (two at abutting panel edges) for diaphragms. Stagger nails when using 4" on-center spacing and maintain 3/8" joist and panel edge distance. For other applications, multiple rows of fasteners are permitted if the rows are offset at least 1/2" and staggered.
- (2) Can be reduced to 4" on-center if nail penetration into the narrow edge is no more than 1 3/8" (to avoid splitting).
- Recommended nailing is 12" on-center in field and 6" on-center along panel edge. Fastening requirements on engineered drawings supersede recommendations listed above.

- Recommended use of a non-polyurethane subfloor adhesive on all contact points between panels and floor framing.

- Nailing rows must be offset at least 1/2" and staggered.

- 14 ga. staples may be substituted for 8d (0.113" x 2 1/2") nails if minimum penetration of 1" into the joist or rim board is achieved.

- Maximum spacing of nails is 18" on-center for joists.



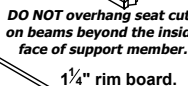
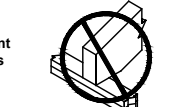
FILLER and BACKER BLOCK SIZES

I-Joists	110 EQ. *		210 EQ. *		230 or 360 EQ. *			560 EQ. *		
	9 1/2" or 11 1/8"	14"	9 1/2" or 11 1/8"	14" or 16"	9 1/2" or 11 1/8"	14" or 16"	18" or 20"	11 1/8"	14" or 16"	18" or 20"
Depth	9 1/2" or 11 1/8"	14"	9 1/2" or 11 1/8"	14" or 16"	9 1/2" or 11 1/8"	14" or 16"	18" or 20"	11 1/8"	14" or 16"	18" or 20"
Filler Block (1) (Detail H2)	2x6	2x8	2x6 + 3/8" sheathing	2x8 + 3/8" sheathing	2x6 + 1/2" sheathing	2x8 + 1/2" sheathing	2x12 + 1/2" sheathing	Two 2x6	Two 2x8	Two 2x12
Cantilever Filler (Detail E4)	2x6 4'-0" long	2x10 6'-0" long	2x6 + 3/8" sheathing 4'-0" long	2x10 + 3/8" sheathing 6'-0" long	2x6 + 1/2" sheathing 4'-0" long	2x10 + 1/2" sheathing 6'-0" long	Not applicable	Not applicable	Not applicable	Not applicable
Backer Block (1) (Detail F1 or H2)	5/8" or 3/4"	3/4" or 7/8"	3/4" or 7/8"	1" Net	3/4" or 7/8"	1" Net	1" Net	2x6	2x8	2x12

(1) If necessary, increase filler and backer block height for face mount hangers and maintain 1/8" gap at top of joist; see detail W. Filler and backer block lengths should accommodate required nailing without splitting (12" minimum for backer blocks and 24" minimum for filler blocks).

Joists must be laterally supported at cantilever and end bearings by blocking panels, hangers, or direct attachment to a rim board or rim joist.

Safety bracing (1x4 minimum) at 8' on-center (6' on-center for 110 or equivalent Joists) and extended to a braced end wall. Fasten at each joist with two 8d (0.113" x 2 1/2") nails minimum (see WARNING).



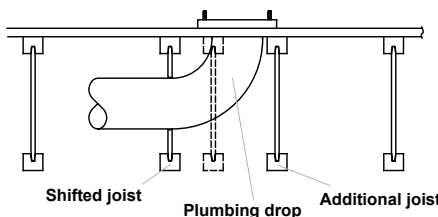
INSTALLATION TIPS

Subfloor adhesive will improve floor performance, but may not be required.

Squash blocks and blocking panels carry stacked vertical loads (details B1 and B2). Packing out the web of a joist (with web stiffeners) is not a substitute for squash blocks or blocking panels.

When joists are doubled at non-load bearing parallel partitions, space joists apart the width of the wall for plumbing or HVAC.

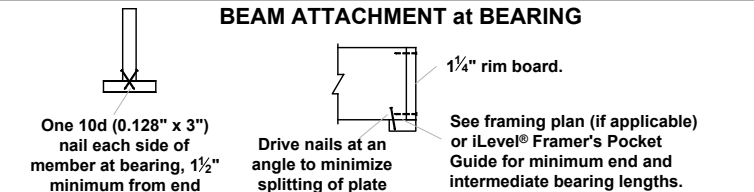
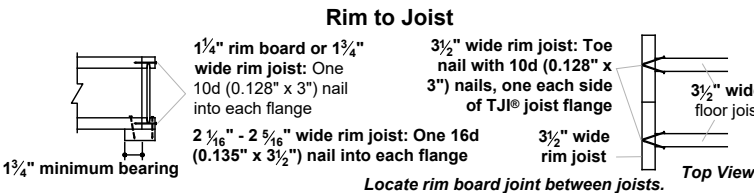
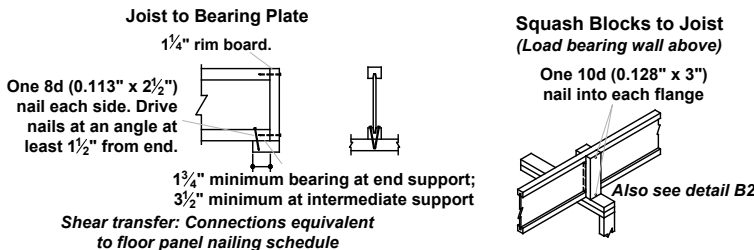
Additional joist at plumbing drop (see detail).



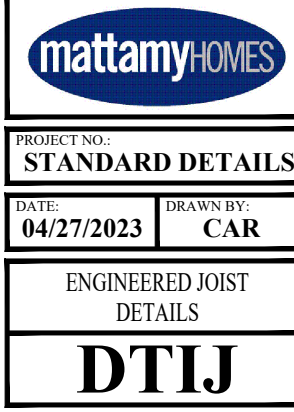
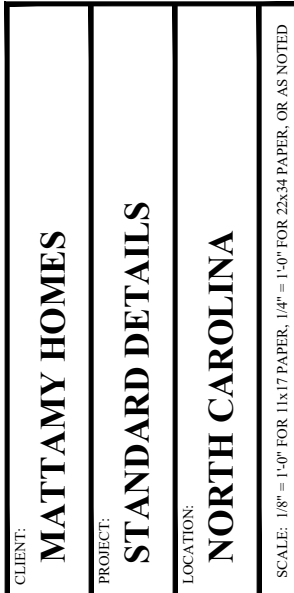
* I-JOIST EQUIVALENCY CHART

Depth	EQUIVALENT IN SPAN AND SPACING			
	Mfrt & Series	Mfrt & Series	Mfrt & Series	Mfrt & Series
9 1/4"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
11 7/8"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
14"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
16"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
18"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
20"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
22"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
24"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
26"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
28"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
30"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
32"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
34"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
36"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
38"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
40"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
42"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
44"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
46"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
48"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
50"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
52"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
54"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
56"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
58"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
60"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
62"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
64"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
66"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
68"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
70"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
72"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
74"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
76"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
78"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
80"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
82"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
84"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
86"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
88"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
90"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
92"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
94"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
96"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	
98"	TJI - 360	BCI 60'S	EverEdge 30	
	TJI - 560	BCI 90'S	EverEdge 50/60	
100"	TJI - 110	BCI 4500		
	TJI - 210	BCI 5000		
	TJI - 230	BCI 6000	EverEdge 20	

JOIST NAILING REQUIREMENTS at BEARING



P-0961



SITE PLAN FOR
MATTAMY HOMES
XXX KINDNESS DRIVE
LOT 71, SEAGRASSLANDING, PHASE 1
(RECORDED AS FREEDOM ACRES, PHASE 1)
UPPER LITTLE RIVER TOWNSHIP, HARNETT COUNTY, NORTH CAROLINA

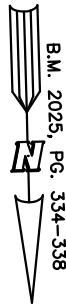
N/F
GREGORY R DUPREE &
CANDACE K DUPREE
PIN: 0528-54-7806
D.B. 3917, PG. 948

N 88°24'03" W 120.00'

SETBACK LINES

71

31,989 S.F.
0.73 AC.



TIM CURRIN ROAD
60' PUBLIC R/W
NCSR 1250

S 02°07'16" W 243.88'

N 02°07'16" E 260.13'

72

SETBACK INFO

FRONT: 35'
REAR: 25'
SIDES: 10'
CORNER SIDE: 20'

30' STREET-
SCAPE
EASEMENT

40'x40'
SIGN
EASEMENT

10' DRAINAGE EASEMENT
SEE NOTE #1

KINDNESS DR
50' PUBLIC R/W

LEGEND

- | | | | |
|-----|----------------------------|------|------------------------|
| △ | AIR CONDITIONER | INV. | INVERT |
| BC | BACK of CURB | IPS | IRON PIPE SET |
| BFP | BACK FLOW PREVENTER | IRS | IRON ROD SET |
| ○ | CLEANOUT | ○ | LIGHT POLE |
| ■ | CURB INLET | MNS | MAGNETIC NAIL SET |
| DHS | DRILL HOLE SET | ⊗ | MANHOLE SANITARY SEWER |
| EDM | EXISTING CONCRETE MONUMENT | ⊗ | MANHOLE STORM SEWER |
| EDH | EXISTING DRILL HOLE | OHW | OVERHEAD WIRES |
| EIS | EXISTING IRON STAKE | PKS | PK NAIL SET |
| EIP | EXISTING IRON PIPE | PNS | POINT NOT SET |
| EM | ELECTRIC METER | RRS | RAIL ROAD SPIKE |
| EPK | EXISTING PK NAIL | ⊞ | TELEPHONE PEDESTAL |
| ES | ELECTRIC STUB | ⊞ | TRANSFORMER |
| FL | FLARED END SECTION | ⊞ | CABLE TV PEDESTAL |
| ⊞ | FIRE HYDRANT | ⊞ | UTILITY POLE |
| ⊞ | FIBER OPTIC PEDESTAL | ⊞ | WATER METER |
| ⊞ | GAS METER | ⊞ | WATER VALVE |
| ⊞ | GUY | ⊞ | YARD INLET |
| ⊞ | REVISION TRIANGLE | () | FIELD MEASUREMENT |
| | | --- | SEPTIC |

NUM	RADIUS	ARC	CHORD	CHORD BRG	DELTA
C1	25.00'	37.50'	34.08'	S 40°51'10" E	86°56'53"
C2	285.00'	97.74'	97.26'	N 86°20'54" E	19°38'56"

IMPERVIOUS SURFACES	S.F.
WALK & DRIVE	4,970
TOTAL	4,970
ALLOWABLE IMPERVIOUS	7,200

REFERENCES:

B.M. 2025, PG. 334-338



SCALE: 1" = 40'

NOTES

1. EASEMENT DEFINED IN BOOK OF MAPS 2025
PAGE 234 NOTES FOLLOWING DEPARTMENT OF
TRANSPORTATION SIGNATURE BLOCK.

THIS IS A SITE PLAN AS DEFINED BY G.S. 160D-102 AND
IS NOT INTENDED TO BE ATTACHED TO ANY INSTRUMENT
RECORDED IN THE REGISTER OF DEEDS OFFICE

SITE PLAN
NOT FOR RECORDATION,
CONVEYANCE OR SALES

REV CODE: 1.FLIP, 2.PLAN, 3.ROTATE, 4.MOVE, 5.SS
6.SEVERAL OF ABOVE, 7.LAND FEATURE, 8. OTHER

DATE: AUG. 04, 2025

F.B. _____

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