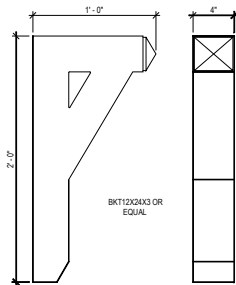
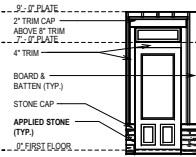


**CORNICE DTL.**  
 SCALE: 1" = 1'-0"

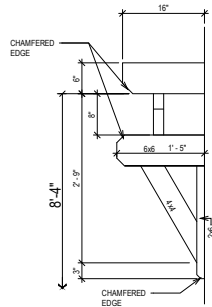


**BRACKET DETAIL**  
 SCALE: 1" = 1'-0"

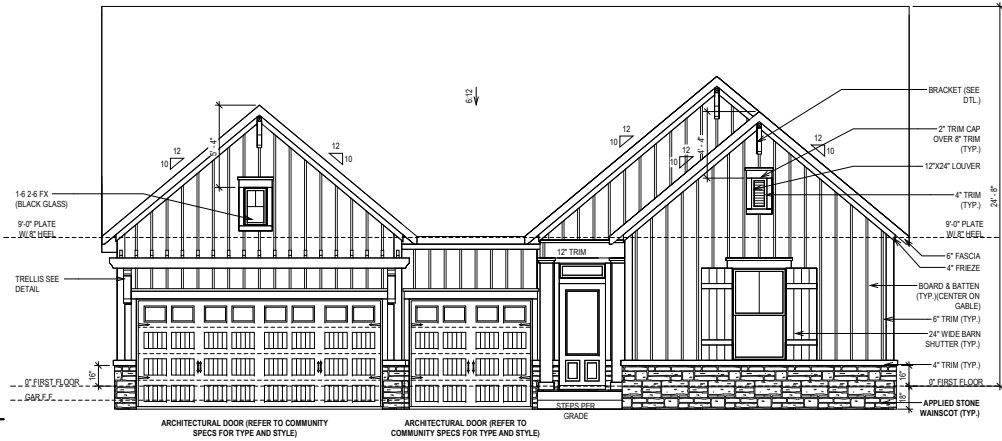


**ENTRY DOOR**

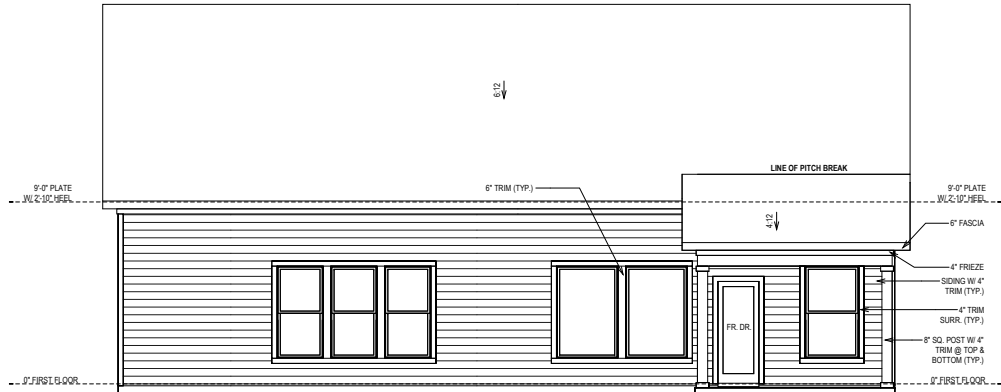
PROVIDE HANDRAIL WHEN REQUIRED BY CODE



**TRELLIS DETAIL**  
 SCALE: 1/2" = 1'-0"



**FRONT ELEVATION "A"**



**REAR ELEVATION**

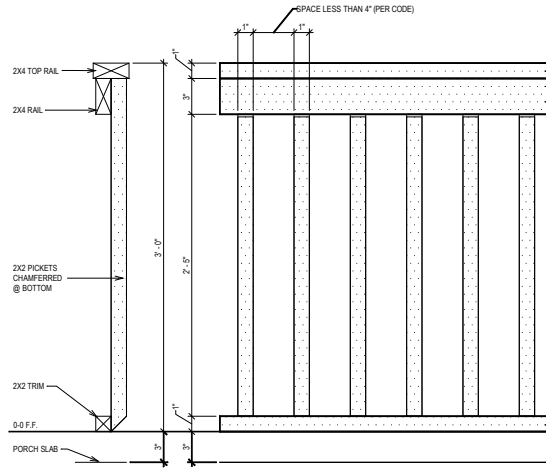
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**David Weekley Homes**  
 BR/JPMW Scale: 1/8" = 1'-0"  
 Date: 03/09/2021 Rev: 4/17/2023 EB

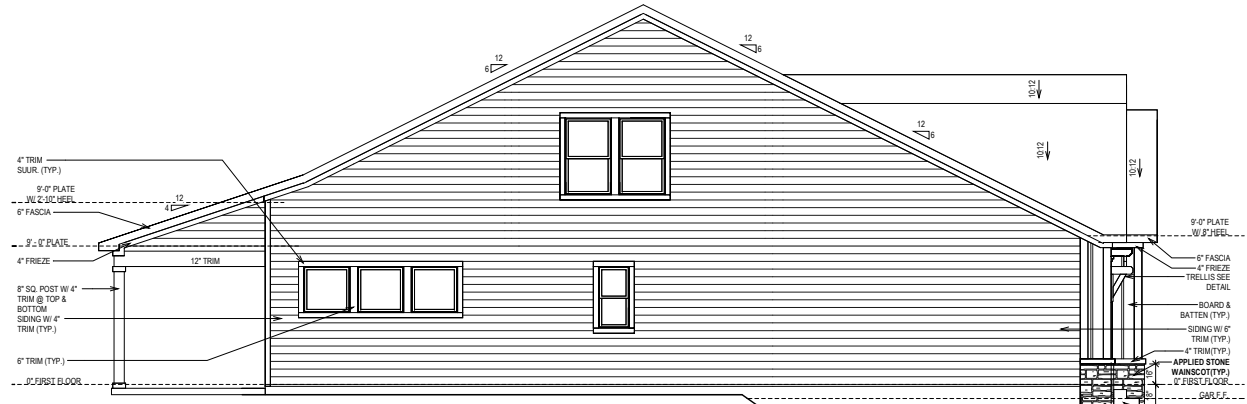
Proj. No.: 15  
 Lot: 3277  
 Block: 0015  
 Job No.: 0015  
 Sect:

**SERENITY 65' (IM)**  
 105 SNEED LN  
 FUYQUAY VARINA, NC

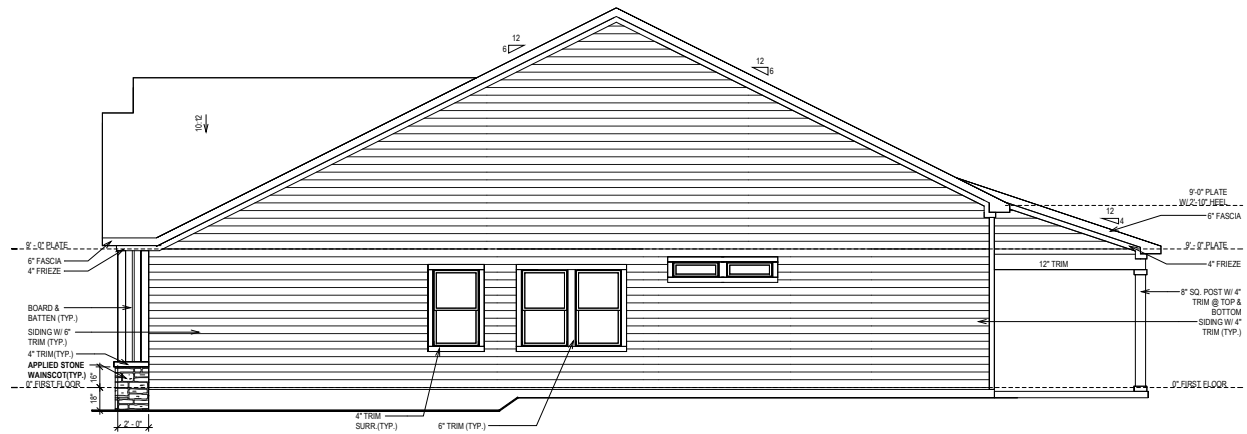
**SOUTH B326-A ELV-1**  
 BLAKESTONE RALEIGH



**RAIL DETAIL**  
SCALE: 1" = 1'-0"



**SIDE ELEVATION**



**SIDE ELEVATION**

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**David Weekly Homes**  
BR/JPM/W Date: 03/09/2021 Scale: 1/8"=1'-0" Rev: 4/17/2023 EB

Proj. No.: 15  
Lot: 3277  
Block: 0015  
Sect:

**SERENITY 65' (IM)**  
**105 SNEED LN**  
**FUQUAY VARINA, NC**

**SOUTH**  
**B326-A**  
**ELV-2**  
**BLAKESTONE**  
**RALEIGH**

**SHEET INDEX:**

- S-0 COVER SHEET
- S-0.1 GENERAL STRUCTURAL NOTES
  
- S-1 MONOLITHIC SLAB FOUNDATION PLAN
- S-2 ROOF FRAMING PLAN
  
- SD-1 BRACED WALL DETAILS
- SD-2 HOLD DOWN DETAILS
- SD-3 BRACED WALL NOTES & DETAILS
- SD-4 PORTAL FRAME DETAILS
- SD-5 MISCELLANEOUS FRAMING DETAILS
- SD-6 MISCELLANEOUS FRAMING DETAILS
- SD-7 MONOLITHIC SLAB FOUNDATION DETAILS
- SD-8 NOT USED
- SD-9 NOT USED
- SD-10 NOT USED
- SD-11 NOT USED
- SD-12 ADVANCED FRAMING DETAILS & NOTES



**KSE**  
**ENGINEERING**

1900 AM DRIVE, SUITE 201, QUAKERTOWN, PA 18951  
www.kse-eng.com (215) 804-4449

**B326 BLAKESTONE**  
SERENITY, LOT #15

**RALEIGH, NORTH CAROLINA**

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH AND COORDINATED WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. THIS COORDINATION IS NOT THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF BONUSORD (SER). SHOULD ANY DISCREPANCIES BECOME APPARENT, THE CONTRACTOR SHALL NOTIFY KSE ENGINEERING, P.C. BEFORE CONSTRUCTION BEGINS. IT IS THE INTENT OF THE ENGINEER LISTED ON THESE DOCUMENTS THAT THESE DOCUMENTS BE ACCURATE, PROVIDING LICENSED PROFESSIONALS CLEAR INFORMATION. EVERY ATTEMPT HAS BEEN MADE TO PREVENT ERROR. THE BUILDER AND ALL SUBCONTRACTORS ARE REQUIRED TO REVIEW ALL OF THE INFORMATION CONTAINED IN THESE DOCUMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER IS NOT RESPONSIBLE FOR ANY PLAN ERRORS, OMISSIONS, OR MISINTERPRETATIONS UNDETECTED AND NOT REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION. ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN THESE DOCUMENTS.

**DESIGN SPECIFICATIONS:**

DESIGN BUILDING CODE (REFERRED TO HEREIN AS "THE BUILDING CODE"):  
 • 2018 NORTH CAROLINA RESIDENTIAL CODE. WALL BRACING PER INTERNATIONAL RESIDENTIAL CODE 2015 EDITION.

DESIGN LIVE LOADS:  
 • ROOF = 20 PSF (LOAD DURATION FACTOR=1.25)  
 • UNINHABITABLE ATTICS WITH LIMITED STORAGE = 20 PSF (WHERE SPECIFIED ON PLANS)  
 • HABITABLE ATTICS AND ATTICS SERVED WITH FIXED STAIRS = 30 PSF  
 • FLOOR = 40 PSF  
 • FLOOR (SLEEPING AREAS) = 30 PSF  
 • DECK/BALCONY = 40 PSF  
 • STAIRS = 40 PSF

DESIGN DEAD LOADS:  
 • ROOF TRUSS = 17 PSF (TC=7, BC=10)  
 • FLOOR TRUSS = 15 PSF (TC=10, BC=5)  
 • FLOOR JOIST = 10 PSF  
 • STANDARD BRICK = 40 PSF  
 • QUEEN ANNE BRICK = 25 PSF

\*NOTE: STRUCTURAL FRAMING HAS NOT BEEN DESIGNED FOR TILE, GRANITE, MARBLE OR OTHER MATERIALS HEAVIER THAN THE ABOVE LOADING UNLESS SPECIFICALLY NOTED ON PLANS.\*

DESIGN WIND LOADS:  
 • ULTIMATE WIND SPEED = 115 MPH  
 • EXPOSURE CATEGORY = B

ASSUMED SOIL BEARING CAPACITY = 2000 PSF

ASSUMED LATERAL SOIL PRESSURE = 45 PCF

FROST DEPTH = 12" MINIMUM

SEISMIC DESIGN CATEGORY = B

ENGINEERED LUMBER SHALL HAVE THE FOLLOWING MINIMUM DESIGN VALUES:

- TJI 210 SERIES (SERIES AND SPACING PER PLANS)
- LSL: E=1,550,000 PSI, F<sub>b</sub>=2,325 PSI, F<sub>v</sub>=310 PSI, F<sub>c</sub>=900 PSI
- LVL: E=2,000,000 PSI, F<sub>b</sub>=2,600 PSI, F<sub>v</sub>=285 PSI, F<sub>c</sub>=750 PSI
- PSL: E=2,100,000 PSI, F<sub>b</sub>=2,900 PSI, F<sub>v</sub>=290 PSI, F<sub>c</sub>=625 PSI



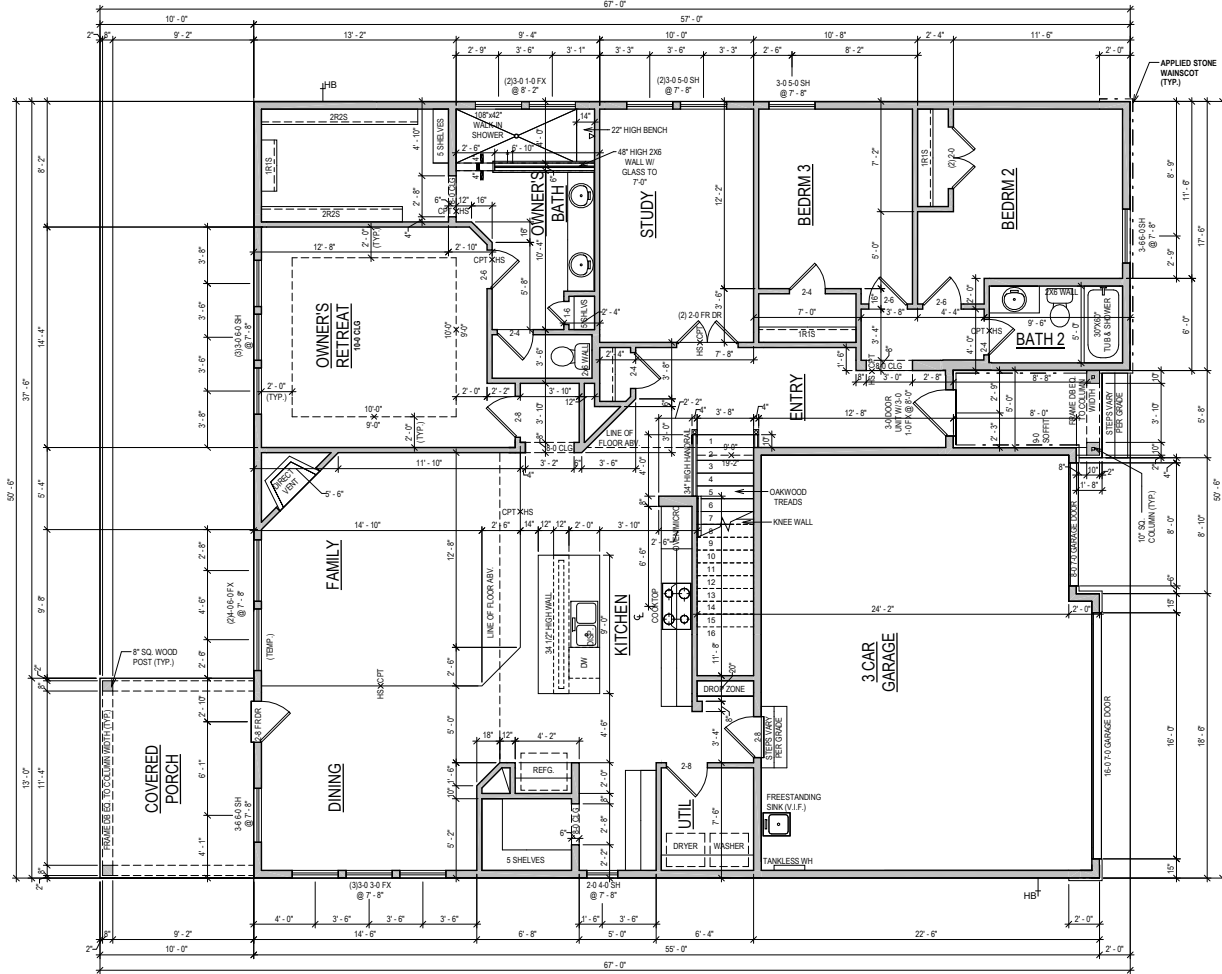
David Weekley Homes  
Raleigh, NC

Cover Sheet  
Serenity, Lot #15  
B326 Blakestone Model  
115 M.P.H.  
Raleigh, North Carolina

Project #: 047-22002  
Designed By: LMR  
Checked By:  
Issue Date: 5/11/23  
Re-Issue:  
Scale: 1/8"=1'-0" @ 11x17  
1/4"=1'-0" @ 22,34

S-0





**FIRST FLOOR**



**GENERAL REQUIREMENTS**

- SLOPED SURFACE REQUIREMENTS**  
 ALL PATIOS TO SLOPE 1/4" PER FOOT  
 GARAGE FLOOR TO BE SLOPED 1/8" PER FOOT TOWARDS VEHICLE ENTRY DOOR  
 ROOF DECKS AND BALCONIES TO BE SLOPED 1/4" PER FOOT TOWARDS RELIEF POINTS
- RAILING REQUIREMENTS**  
 FINISHED HANDRAIL REQUIRED AT STAIRS WITH 4 OR MORE RISERS  
 FINISHED HANDRAIL HEIGHT BETWEEN 34" AND 38" MEASURED VERTICALLY ABOVE TREAD NOSING  
 FINISHED GUARDRAILS REQUIRED AT DECKS, BALCONIES AND WALKWAYS THAT ARE 30" OR GREATER ABOVE GRADE AND BE AT A MINIMUM OF 36" IN HEIGHT  
 FINISHED GUARDRAIL AND HANDRAIL SPINDLES MUST BE SPACED SO A 4" SPHERE WILL NOT PASS THROUGH.

PLAN SQFT	
LIVING	
1ST FLOOR	2155 SF
2ND FLOOR	476 SF
TOTAL LIVING	2631 SF
SLAB	
1ST FLOOR	2155 SF
COVERED PORCH	130 SF
FRONT PORCH	49 SF
GARAGE	596 SF
TOTAL SLAB	2930 SF
FRAMING	
1ST FLOOR	2155 SF
2ND FLOOR	427 SF
COVERED PORCH	130 SF
FRONT PORCH	49 SF
GARAGE	596 SF
TOTAL FRAMING	3357 SF

- OPTION LIST**
- RAILING @ STAIRS
  - COVERED PORCH
  - FRONT PORCH
  - FRONT PATIO
  - FRONT WALKWAY
  - MAHO SURFACE TREADS
  - OWNER'S RETREAT
  - STUDY
  - SUPER SHOWER
  - TANKLESS WH
  - TRAY @ OWNER'S RETREAT
  - FREE PLACE @ FAMILY

**NOTE: ALL 1ST FLR. CEILING HEIGHTS 9'-0" UNLESS NOTED OTHERWISE**

**ADVANCED FRAMING: 2X6 EXTERIOR PERIMETER WALLS & ALL INSULATED WALLS UNLESS NOTED OTHERWISE**

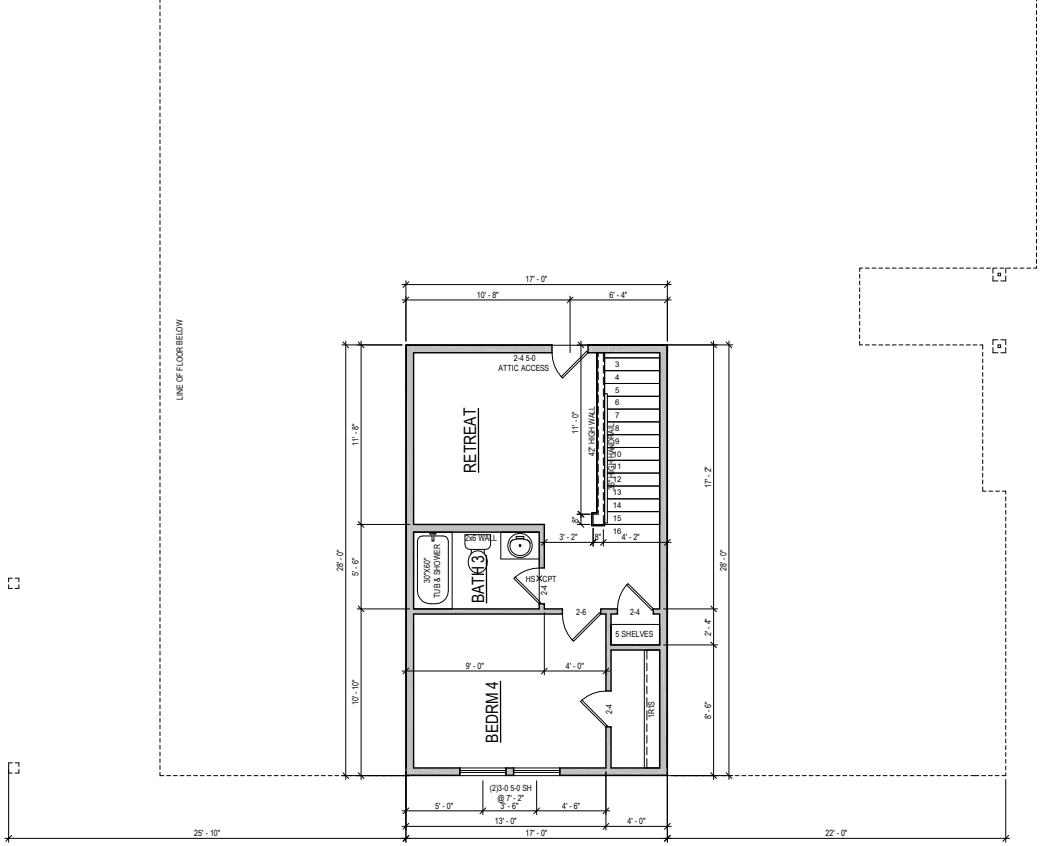
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**David Weekley Homes**  
 BR/JPMW Scale: 1/8"=1'-0"  
 Date: 03/09/2021 Rev: 4/17/2023 EB

**SERENITY 65' (IM)**  
 105 SNEED LN  
 FUYQUAY VARINA, NC

Proj. No.: 3277  
 Lot: 15  
 Job No.: 0015  
 Block: Sect:

**SOUTH**  
**B326-A**  
**PLN-1**  
**BLAKESTONE**  
**RALEIGH**



**SECOND FLOOR**

NOTE: ALL 2ND FLR. CEILING HEIGHTS  
9'-0" UNLESS NOTED OTHERWISE

ADVANCED FRAMING: 2X6 EXTERIOR  
PERIMETER WALLS & ALL INSULATED  
WALLS UNLESS NOTED OTHERWISE

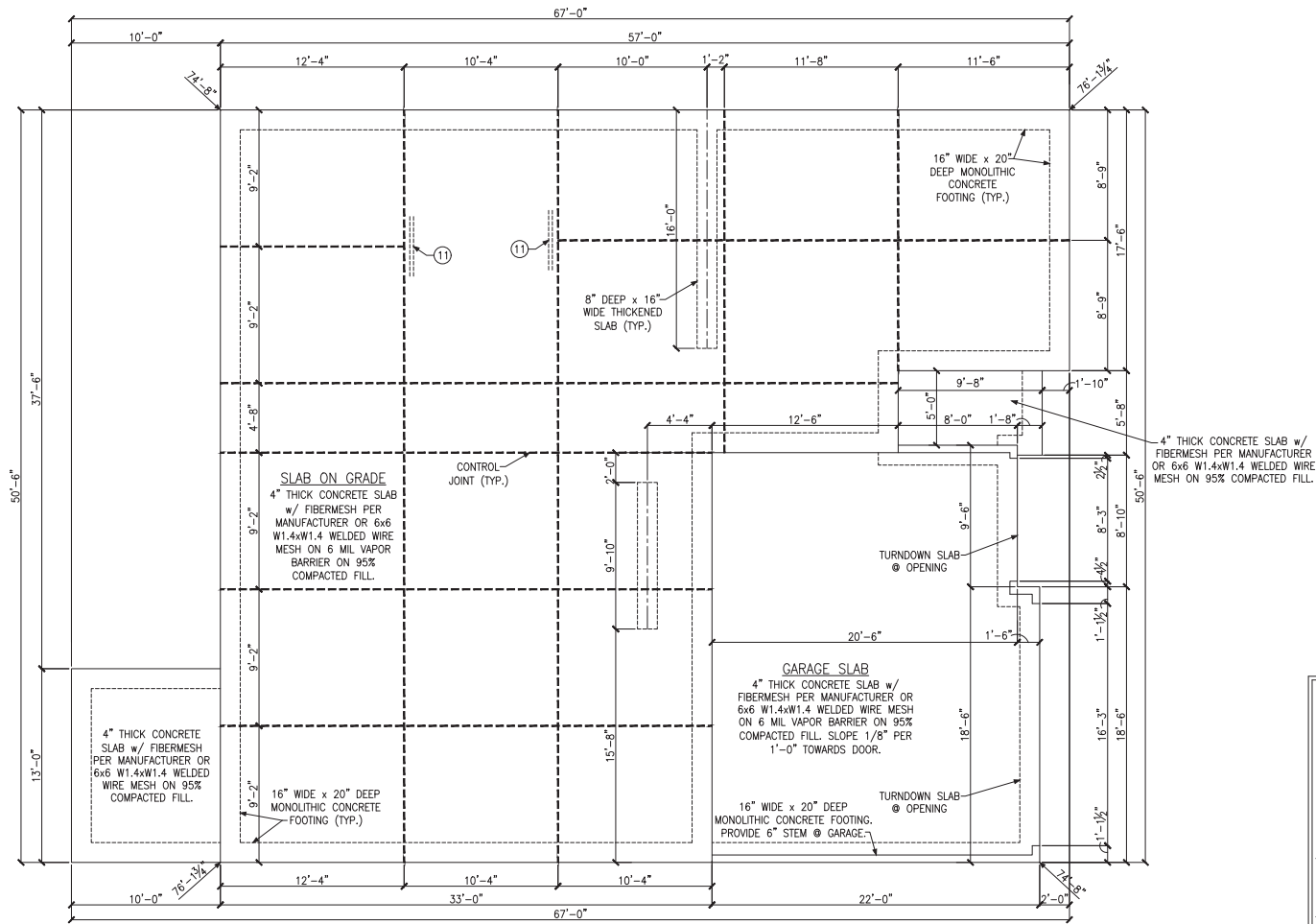
**SERENITY 65' (IM)**  
105 SNEED LN  
FUQUAY VARINA, NC

**SOUTH**  
**B326-A**  
**PLN-2**  
BLAKESTONE  
RALEIGH

Proj. No.: 15  
Lot: 3277  
Job No.: 0015  
Block:  
Sect:

**David Weekley Homes**  
BR/JP/IMW  
Date:  
Scale: 1/8"=1'-0"  
Rev: 4/17/2023 EB

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**LEGEND**

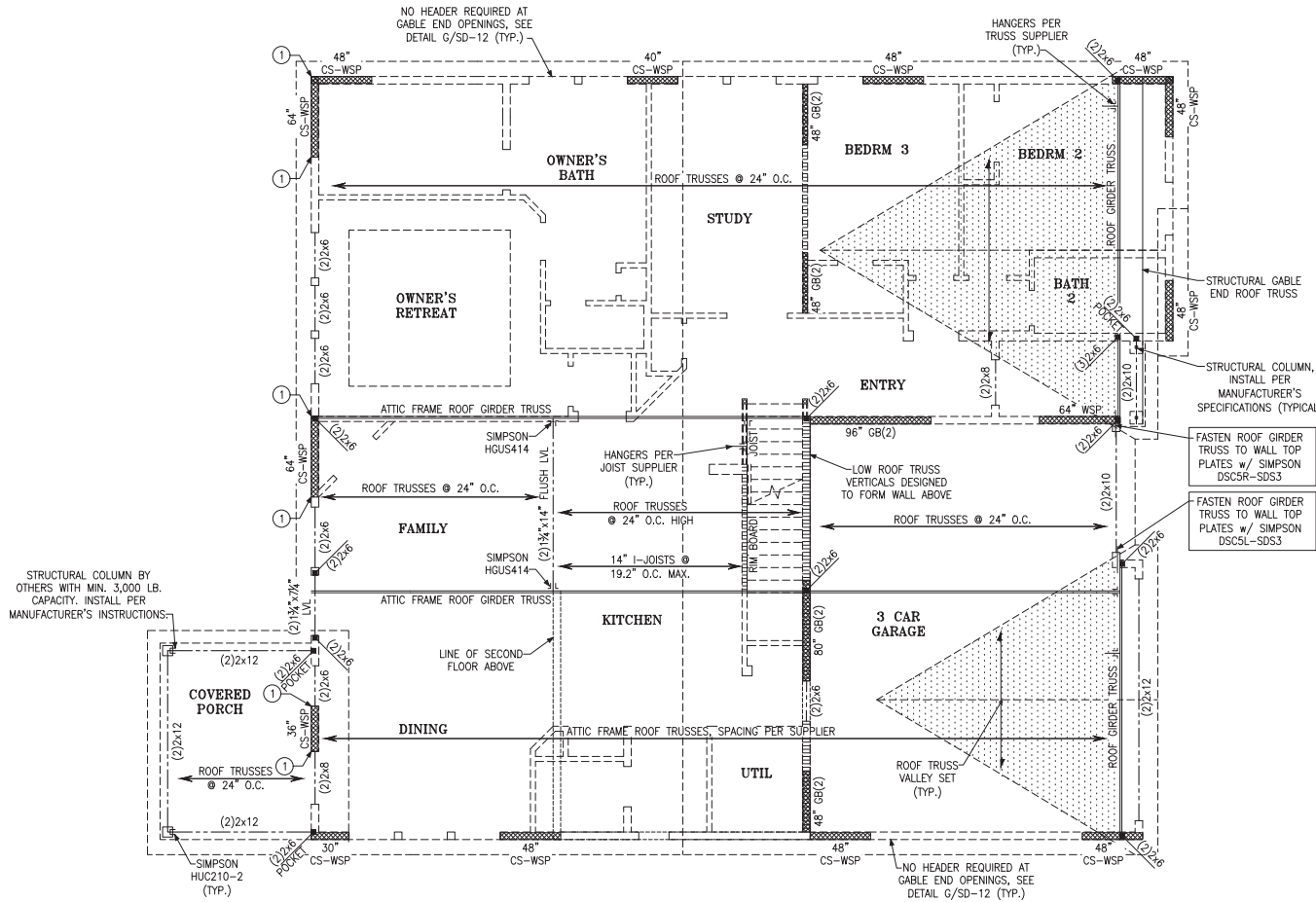
- ★ PROVIDE SOLID BLOCKING WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE.
- ▬ BEARING WALL ABOVE
- ▬ INTERIOR BEARING WALL
- ▬ BRACED WALL PANEL (SEE KSE STRUCTURAL DETAILS SET FOR BRACED WALL PANEL SHEATHING FASTENING & BLOCKING DETAILS)
- 48" WSP

REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES, TYPICAL DETAILS AND ADVANCED FRAMING NOTES AND DETAILS

**KEYNOTES:**

(11) (2)#4 x 4'-0" LONG BARS AT 3' O.C., CENTERED IN SLAB, TYP. WHERE SHOWN





**LEGEND**

- ★ PROVIDE SOLID BLOCKING WITHIN FLOOR SYSTEM TO MATCH POST SIZE ABOVE.
- BEARING WALL ABOVE
- ▤ INTERIOR BEARING WALL
- ▨ BRACED WALL PANEL (SEE KSE STRUCTURAL DETAILS SET FOR BRACED WALL PANEL SHEATHING FASTENING & BLOCKING DETAILS)

REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES, TYPICAL DETAILS AND ADVANCED FRAMING NOTES AND DETAILS

PLAN DESIGNED WITH 9' NOMINAL WALL PLATE HEIGHT

FLOOR FRAMING TO BE 14" DEEP TJI 210 SERIES OR EQUAL, SPACING PER MANUFACTURER.

**KEYNOTES:**

① AT RAISED FLOOR BELOW, CONNECT STUD AT END OF BRACED WALL PANEL TO FRAMING BELOW WITH A 30" LONG SIMPSON CS20 COLL STRAP WITH MIN 8-10d NAILS EACH END. AT SLAB FOUNDATION BELOW, CONNECT STUD TO FOUNDATION w/ SIMPSON DTT12 w/ SIMPSON 3/8"x6" TITEN HD SCREW ANCHOR AND 3/2" MINIMUM EMBEDMENT.

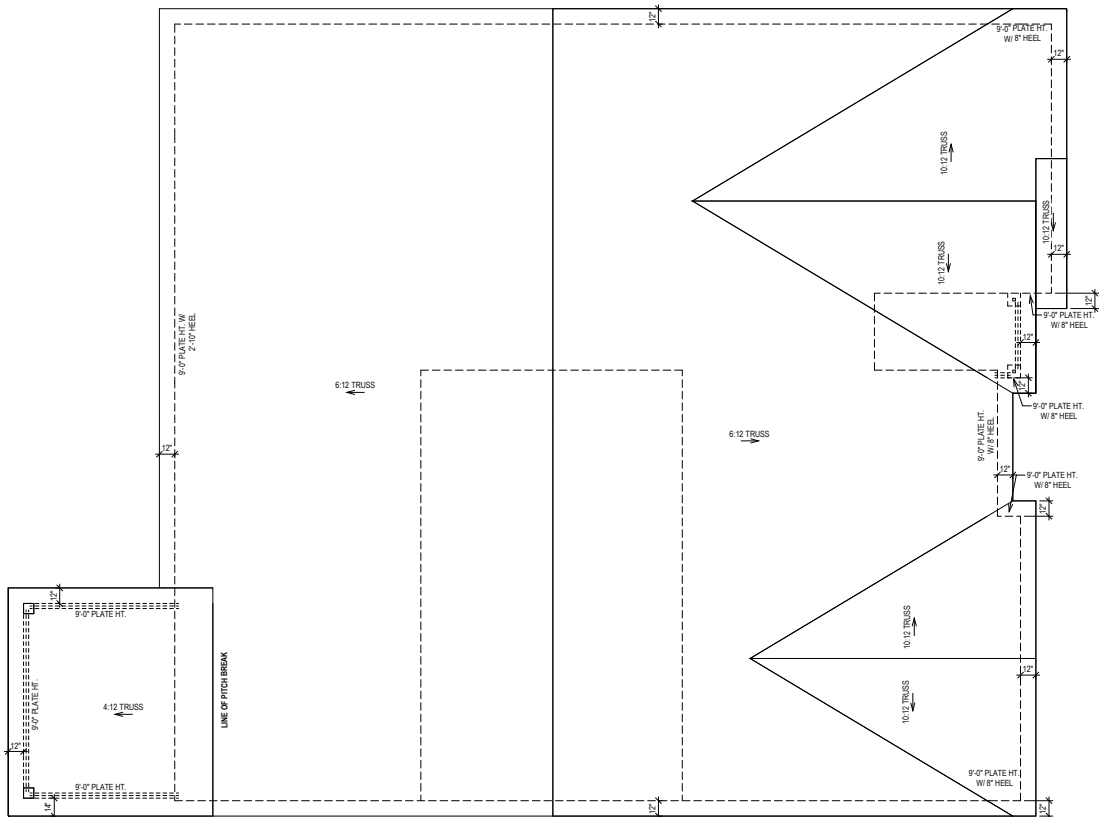
ROOF FRAMING PLAN

Roof Framing Plan  
 Serenity, Lot #15  
 B326 Blakestone Model  
 115 M.P.H.  
 Raleigh, North Carolina

Project #: 047-22002  
 Designed By: LMR  
 Checked By:  
 Issue Date: 5/11/23  
 Re-Issue:  
 Scale: 1/8"=1'-0" @ 11x17  
 1/4"=1'-0" @ 22x34







ROOF PLAN "A"

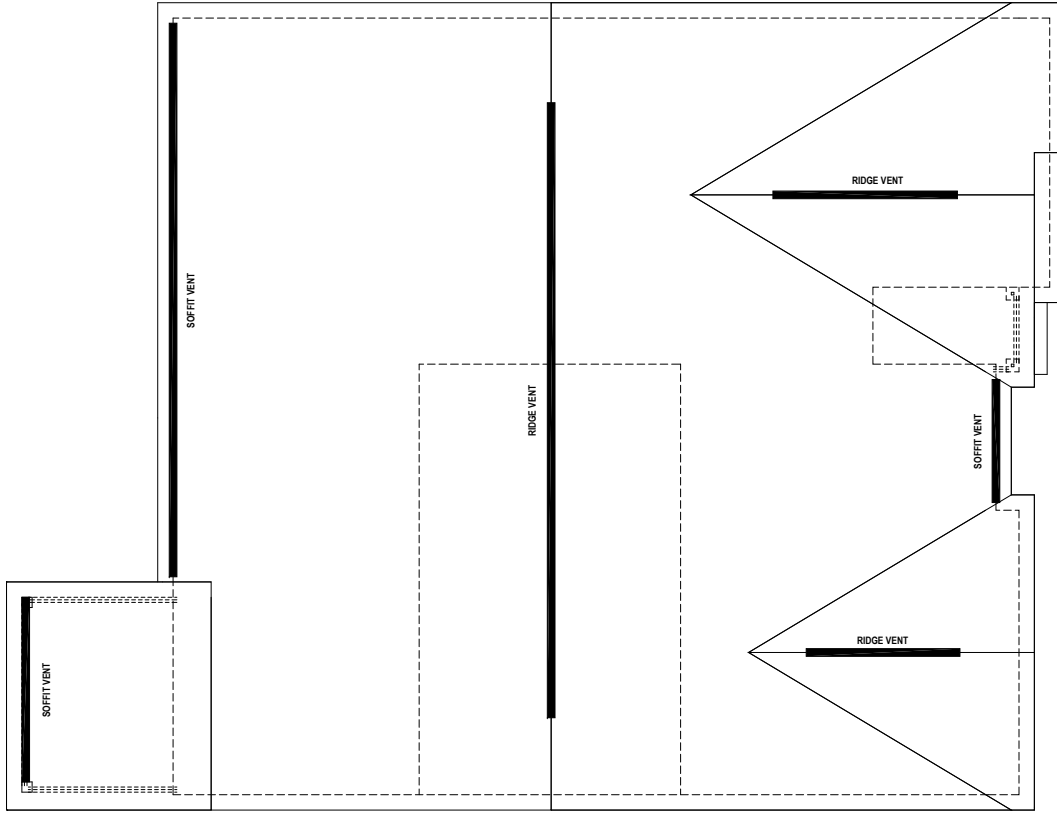
SOUTH  
**B326-A**  
**RFP-1**  
 BLAKESTONE  
 RALEIGH

**SERENITY 65' (IM)**  
**105 SNEED LN**  
**FUQUAY VARINA, NC**

Proj. No.: **15**  
 Lot: **3277**  
 Job No.: **0015**  
 Block:  
 Sect:

**David Weekley Homes**  
 BR/JPM/W Date: 03/09/2021 Scale: 1/8"=1'-0" Rev: 4/17/2023 EB

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ROOF PLAN CALCS.

ROOF VENT CALCULATION:  
 ATTIC SPACE: 2930 SQ. FT.  
 REQUIRED VENTILATION: 1406 SQ. IN. REQ.  
 SOFFIT VENT PROVIDED: 58 LINEAL FEET  
 RIDGE VENT PROVIDED: 62 LINEAL FEET  
 AIR HAWK VENT PROVIDED: 0 UNITS  
 PROVIDED VENTILATION: 1406 SQ. IN.  
 50-80% IN UPPER PORTION: 79%

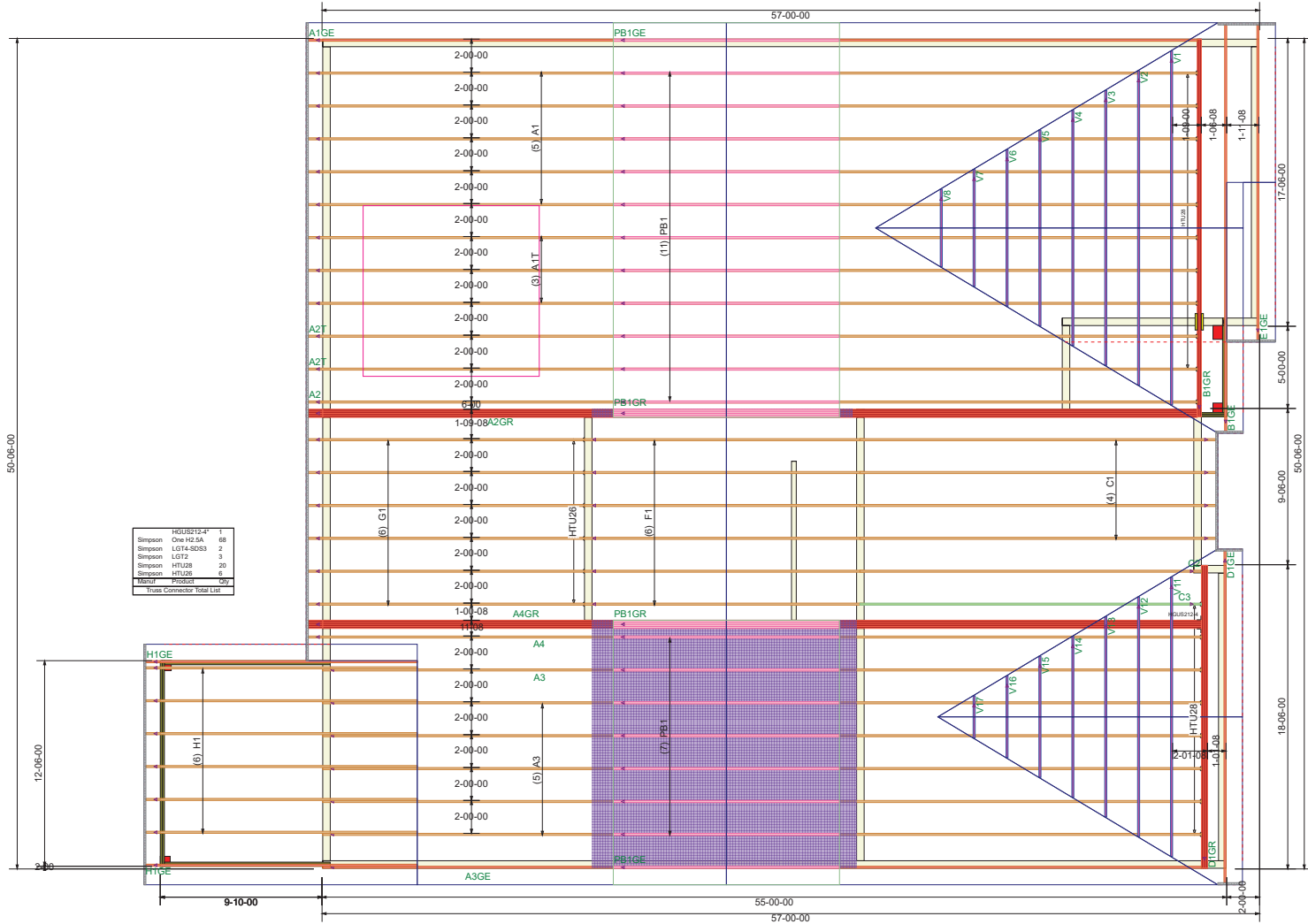
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**David Weekley Homes**  
 BR/JPI/MW Date:   
 Scale: 1/8"=1'-0" Rev: 4/17/2023 EB

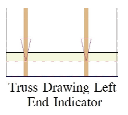
Proj. No.: 15  
 Lot: 3277  
 Job No.: 0015  
 Block: Sect:  
 SERENITY 65' (IM)  
 105 SNEED LN  
 FUGUAY VARINA, NC

SOUTH  
**B326-A**  
**RFP-2**  
 BLAKESTONE  
 RALEIGH

**General Notes:** \*\* CUTTING OR DRILLING OF COMPONENTS SHOULD NOT BE DONE WITHOUT CONTACTING COMPONENT SUPPLIER FIRST. CUSTOMER TAKES FULL RESPONSIBILITY FOR COMPONENTS IF CUT BEFORE AUTHORIZATION. \*\* ALL BEARING POINTS MUST BE INSTALLED PRIOR TO SETTING ANY COMPONENTS.



\*\* FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS. \*\* DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT.



\*\* SHEDSERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS. \*\* DIMENSIONS ARE READ AS: FOOT-INCH-SIXTEENTH. \*\* TRUSSES TO TRUSS CONNECTIONS ARE FOC-MAILED, UNLESS NOTED OTHERWISE. \*\* PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES. \*\* REFER TO FINAL TRUSS ENGINEERING SHEETS FOR PLY TO PLY CONNECTIONS.

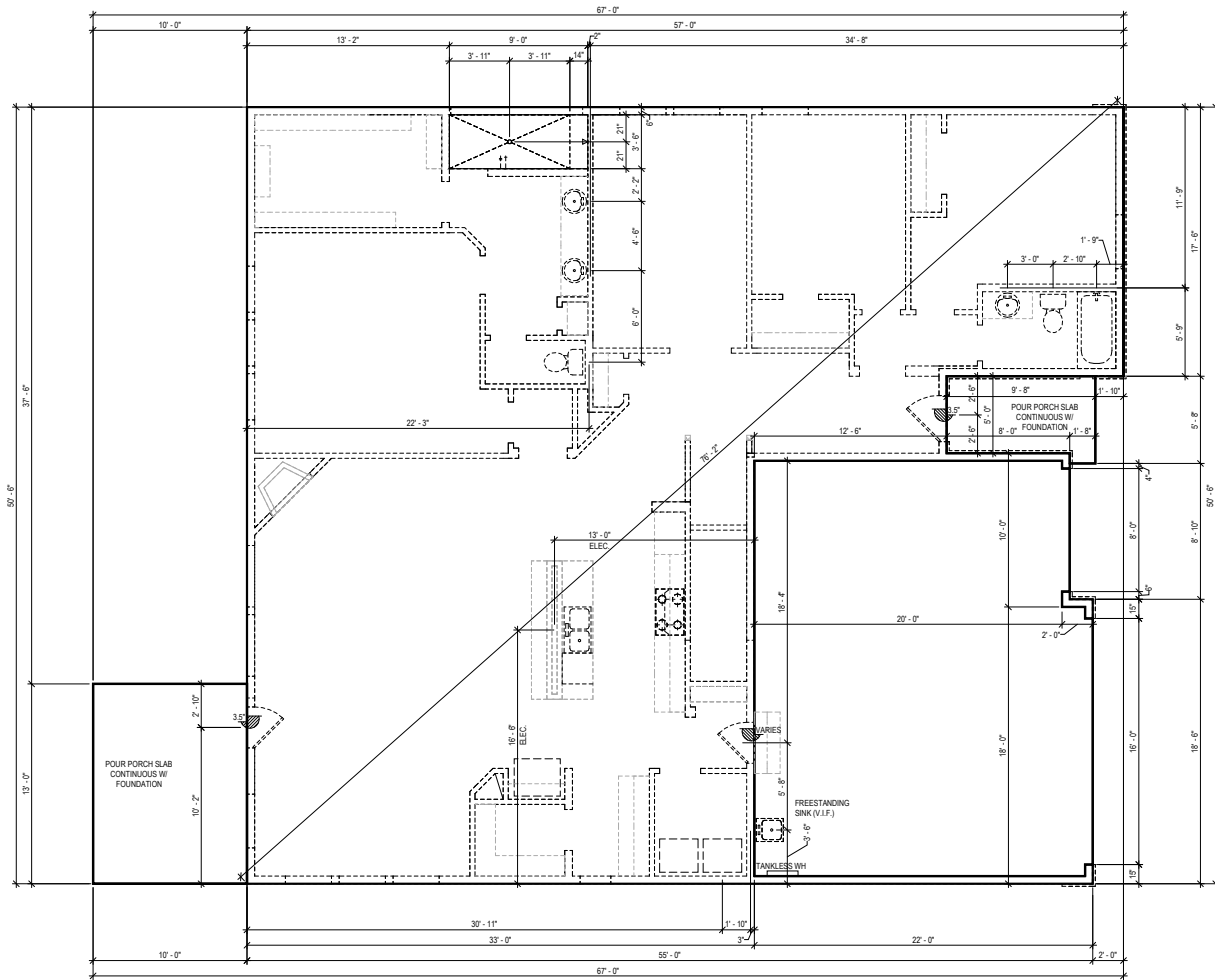
Revisions	
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name
00/00/00	Name

**THIS IS A TRUSS PLACEMENT PROGRAM ONLY.** These trusses are designed as individual components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for the overall structure design and for the overall responsibility of the structure including joists, beams, walls, and columns is the responsibility of the building designer. "Bracing of Wood Truss" available from the Truss Plate Institute, 583 D'Orazio Drive, Madison, WI 53719



David Weekley Homes  
15 Serenity  
**COMPONENT PLAN**

Scale:	NTS
Date:	5/18/2023
Designer:	M. Finch
Project Number:	23040053
Sheet Number:	1/1



FIRST FLOOR

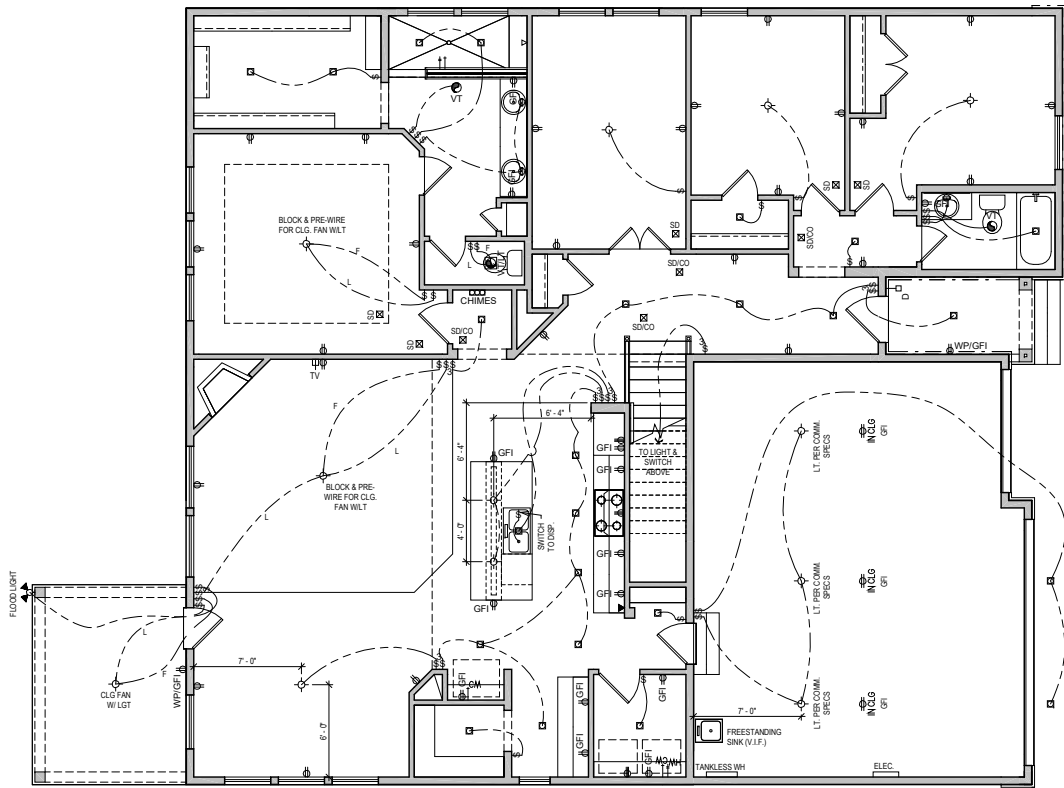
SEE ENGINEERING FOR ANCHOR BOLT REQUIREMENTS

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**David Weekley Homes**  
 BR/JPI/MW Date: 03/09/2021 Scale: 1/8"=1'-0" Rev: 4/17/2023 EB

Proj. No.: 15  
 Lot: 3277  
 Block: 0015  
 Job No.: 0015  
 Sect:

SOUTH  
**B326-A**  
**FS-1**  
 BLAKESTONE  
 RALEIGH



**FIRST FLOOR**

IN ALL HABITABLE ROOMS  
LIGHT BOXES MUST BE FAN  
RATED

ALL RECESS CANS SHOWN  
ON PLAN ARE LED PER  
COMMUNITY SPEC.

UTILITY LEGEND	
⊕	110V OUTLET
⊕	12" A.F.F. (B.I.D.)
GFI	GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED)
1/2	HALF HOT OUTLET
⊕	220V OUTLET (30" A.F.F. @ UTILITY)
⊕	PHONE LINE
T	CABLE TELEVISION
⊕	STANDARD SWITCH (3 OR 4 WAY AS NOTED)
⊕	SURFACE MOUNTED LIGHT
⊕	SURFACE MOUNTED LED DISC LIGHT
⊕	WALL MOUNTED LIGHT
⊕	RECESS CAN LIGHT (ETWELL AS NOTED)
⊕	EXHAUST VENT
⊕	SMOKE DETECTOR (CARBON MONOXIDE AS NOTED)
⊕	DOOR BELL
⊕	CHIMES
⊕	DOOR BELL
⊕	CHIMES
⊕	PANELBOARD W/
⊕	CIRCUIT
⊕	BREAKERS
⊕	HOSE BIB
⊕	GAS TAP
⊕	COLDHOT WATER SUPPLY
⊕	ELEVATOR CALL BUTTON

**MID-ATLANTIC General Notes**

1. ALL ELECTRICAL PLUGS TO BE 9" TO TOP FROM FLOOR IN ROOMS WITH WALL MOUNDINGS.
2. SWITCH FOR ATTIC LIGHT TO BE LOCATED OUTSIDE OF ATTIC SPACE, 12 INCHES FROM CEILING.
3. DO NOT RUN WIRES ON TOP OF JOISTS IN AREAS LIKELY TO HAVE DECKING IN ATTIC. (near disappearing stairs)
4. PROVIDE SMOKE DETECTORS IN EVERY BEDROOM. SEE SPECS FOR REQUIRED TYPE AND WIRING.
5. PROVIDE GAS AT APPLIANCES PER COMMUNITY REQUIREMENTS.
6. LOCATE ELECTRICAL PANEL IN LOCATION CLOSEST TO SERVICE.

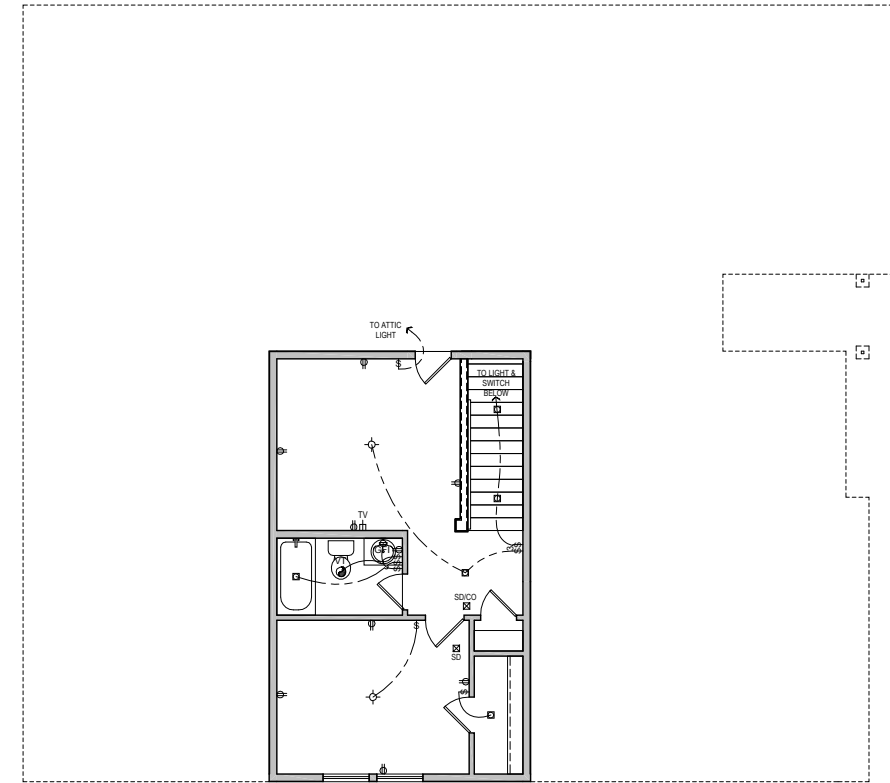
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BR/JPMW Date: 03/09/2021 Scale: 1/8"=1'-0" Rev: 4/17/2023 EB

Proj. No.: 15  
Lot: 3277  
Block: 0015  
Sect:

**SERENITY 65' (IM)**  
**105 SNEED LN**  
**FUQUAY VARINA, NC**

**SOUTH**  
**B326-A**  
**ELE-1**  
**BLAKESTONE**  
**RALEIGH**



**SECOND FLOOR**

IN ALL HABITABLE ROOMS  
LIGHT BOXES MUST BE FAN  
RATED

**UTILITY LEGEND**

⊕	110V OUTLET
⊕	12" A.F.F. (B.I.D.)
GFI	GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED)
1/2	HALF HOT OUTLET
⊕	220V OUTLET (30" A.F.F. @ UTILITY)
▼	PHONE LINE
T	CABLE TELEVISION
⊕	STANDARD SWITCH (3 OR 4 WAY AS NOTED)
⊕	SURFACE MOUNTED LIGHT
⊕	SURFACE MOUNTED LED DISC LIGHT
⊕	WALL MOUNTED LIGHT
⊕	RECESS CAN LIGHT (ETIKAL AS NOTED)
⊕	EXHAUST VENT
⊕	SMOKE DETECTOR (CARBON MONOXIDE AS NOTED)
⊕	DOOR BELL
⊕	CHIMES
⊕	DOOR BELL
⊕	CHIMES
ELEC	PANELBOARD W/ CIRCUIT BREAKERS
HB	HOSE BIB
GS	GAS TAP
DW, HW	COLD/HOT WATER SUPPLY
E	ELEVATOR CALL BUTTON

ALL RECESS CANS SHOWN  
ON PLAN ARE LED PER  
COMMUNITY SPEC.

**MID-ATLANTIC General Notes**

1. ALL ELECTRICAL PLUS TO BE 9" TO TOP FROM FLOOR IN ROOMS WITH WALL MOUNDINGS.
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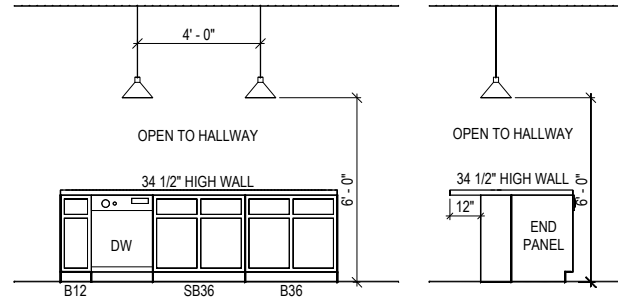
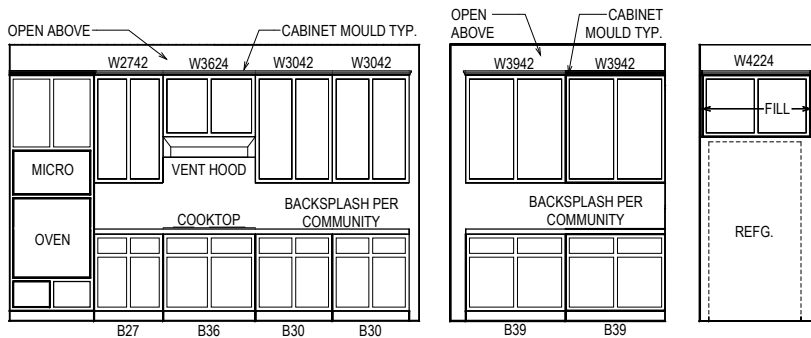
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The measurements, dimensions, and other specifications shown on this document are guidelines for construction use only. This document may not be relied on as a representation of what the completed structure will look like.

**David Weekley Homes**  
BR/JPMW Scale: 1/8"=1'-0"  
Date: Rev: 4/17/2023 EB

Proj. No.: 15  
Lot: 3277  
Block: 0015  
Sect:

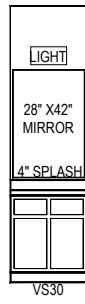
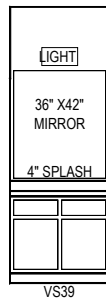
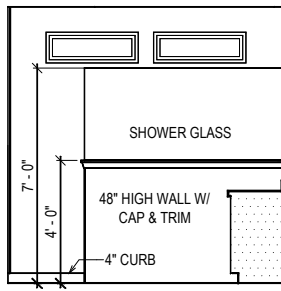
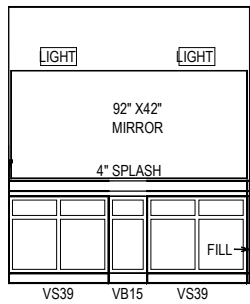
SERENITY 65' (IM)  
105 SNEED LN  
FUQUAY VARINA, NC

SOUTH  
B326-A  
ELE-2  
BLAKESTONE  
RALEIGH



**COOKTOP W/ BUILT-IN OVEN/MICRO**

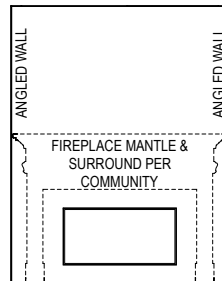
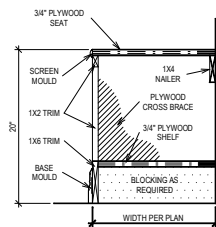
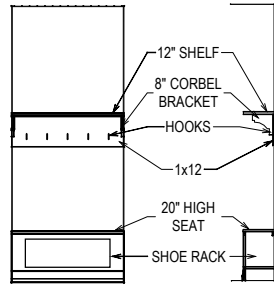
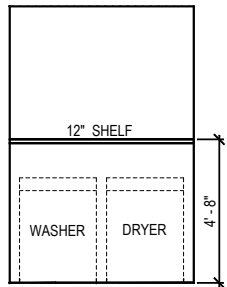
**ISLAND**



**SUPER SHOWER @ OWNER'S BATH**

**BATH 2**

**BATH-3**



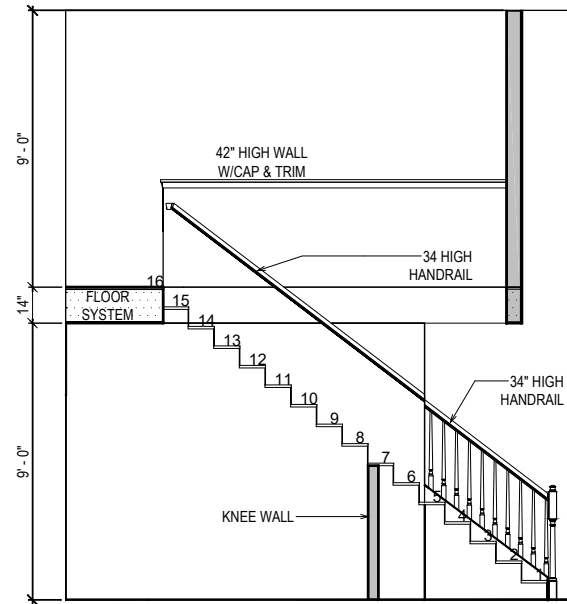
**UTILITY**

**DROP ZONE**

**SEAT DETAIL**

SCALE: 3/4" = 1'-0"

**FIREPLACE @ FAMILY**



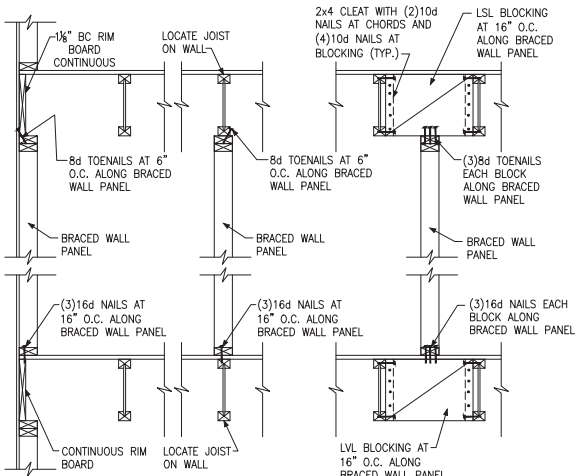
**STAIR SECTION W/ RAIL**

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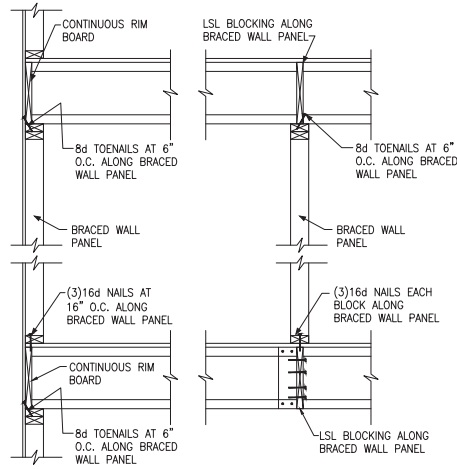
**David Weekley Homes**  
BR/JPMW Date: 03/09/2021 Scale: 1/4" = 1'-0" Rev: 4/17/2023 EB

Proj. No.: 15  
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Block: 0015  
Sect:  
SERENITY 65' (IM)  
105 SNEED LN  
FUYQUAY VARINA, NC

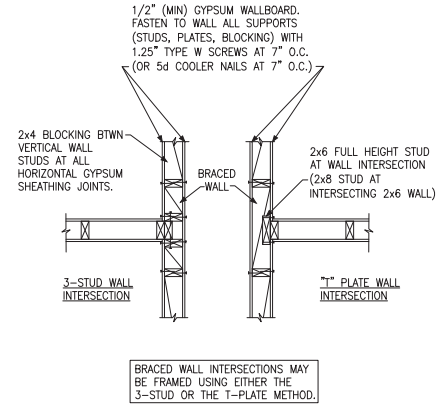
SOUTH  
**B326-A**  
**INT-1**  
BLAKESTONE  
RALEIGH



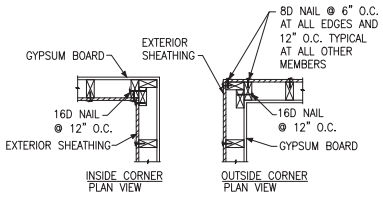
**A** TYPICAL BRACED WALL PANEL TO FLOOR/CEILING CONNECTION  
BRACED WALL PANELS PARALLEL TO I-JOISTS



**B** TYPICAL BRACED WALL PANEL TO FLOOR/CEILING CONNECTION  
BRACED WALL PANELS PERPENDICULAR TO I-JOISTS

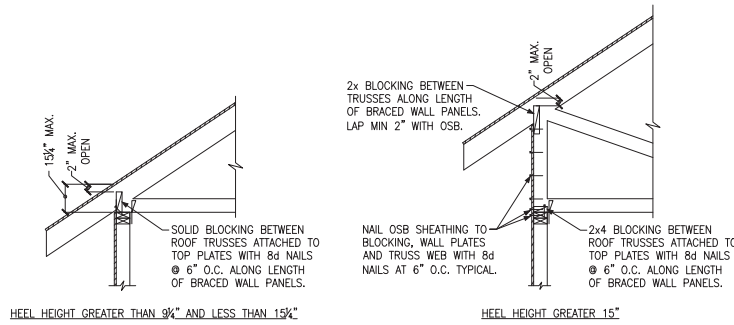


**C** METHOD GB(1) AND GB(2) INTERSECTION DETAILS



**D** TYPICAL EXTERIOR CORNER WALL FRAMING

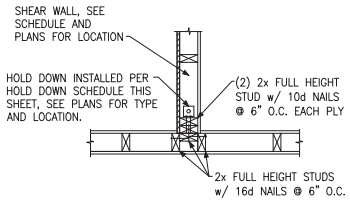
NOTE: A THIRD STUD AND/OR PARTITION INTERSECTION BACKING STUDS SHALL BE PERMITTED TO BE OMITTED THROUGH THE USE OF WOOD BACKUP CLEATS, METAL DRYWALL CLIPS OR OTHER APPROVED DEVICES THAT WILL SERVE AS ADEQUATE BACKING FOR THE FACING MATERIALS.



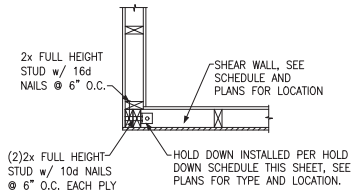
**E** ROOF TRUSS BEARING/BLOCKING AT BRACED WALL PANELS  
ONLY REQUIRED AT BRACED WALL PANELS



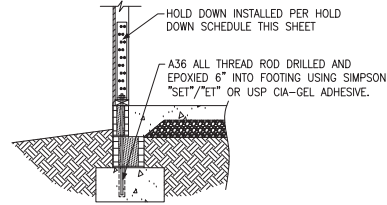




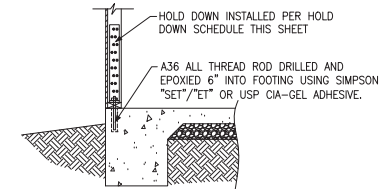
(A) TYPICAL HOLD DOWN DETAIL



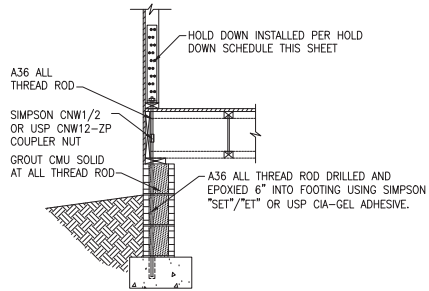
(B) TYPICAL HOLD DOWN DETAIL



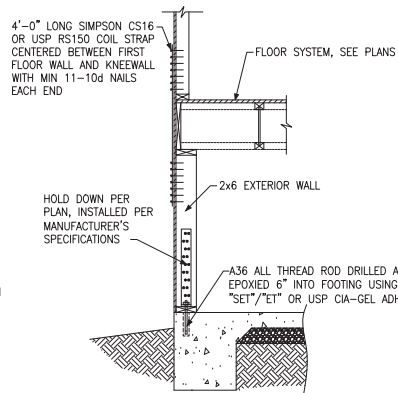
(C) HOLD DOWN AT STEMWALL SLAB



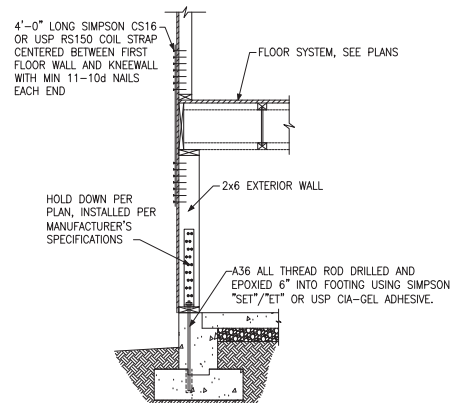
(D) HOLD DOWN AT MONOLITHIC SLAB



(E) HOLD DOWN AT CRAWL FOUNDATION



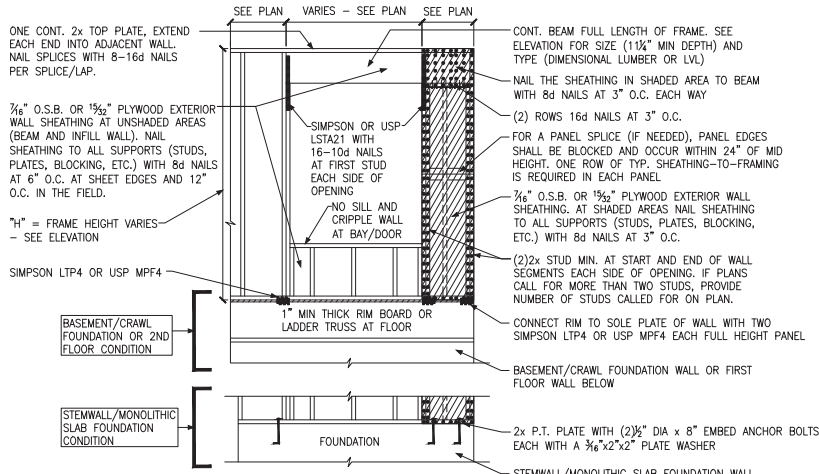
(F) HOLD DOWN AT FOUNDATION MONOLITHIC TURN-DOWN



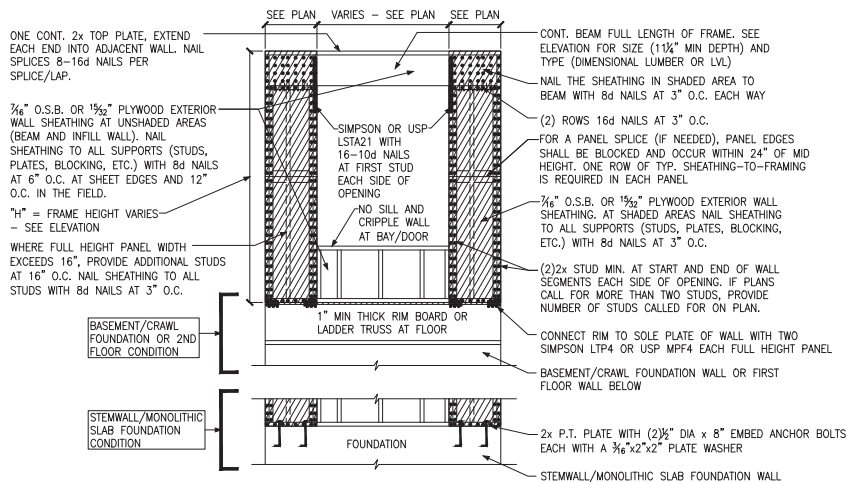
(G) HOLD DOWN AT FOUNDATION STEM WALL

HOLD DOWN SCHEDULE			
HOLD DOWN		ALL TREAD ROD	FASTENERS
SIMPSON	USP		
LTP2	LTS20B	½" DIA.	(10)10d NAILS
HTT4	HTT16	¾" DIA.	(18)16dx2½" LONG NAILS
HTT5	HTT45	¾" DIA.	(26)16dx2½" LONG NAILS

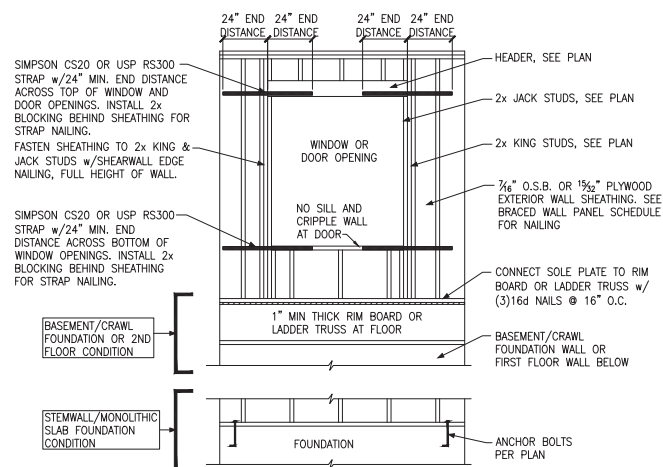




**A** METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION  
ONE BRACED WALL SEGMENT



**B** METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION  
TWO BRACED WALL SEGMENTS



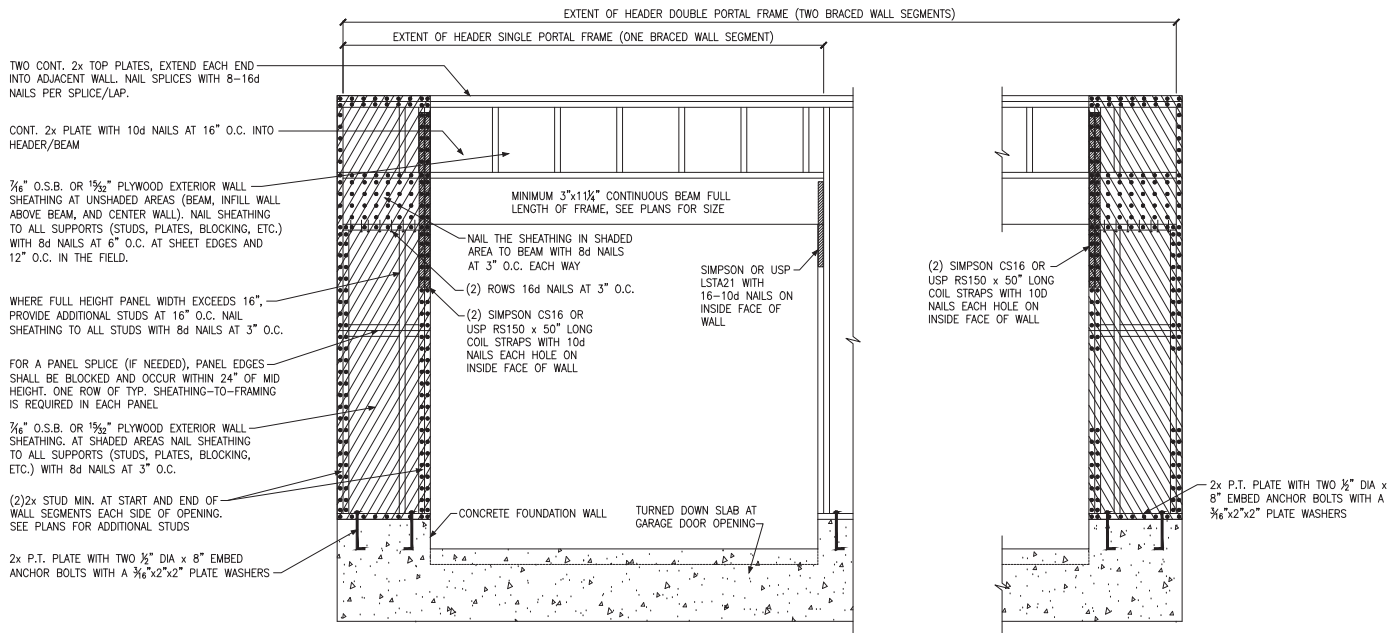
**C** WINDOW OR DOOR REINFORCEMENT IN ENGINEERED SHEAR WALL  
ONLY REQUIRED WHERE SPECIFIED ON PLANS

BRACED WALL PANEL AND ENGINEERED SHEAR WALL SCHEDULE			
PANEL TYPES	PANEL TYPE	MATERIAL	FASTENERS
WSP	INTERMITTENT WOOD STRUCTURAL PANEL	7/16" OSB	6D OR 8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
GB(1)	INTERMITTENT GYPSUM BOARD (SHEATHING ONE FACE OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
GB(1)-4	INTERMITTENT GYPSUM BOARD (SHEATHING ONE FACE OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 4" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
GB(2)	INTERMITTENT GYPSUM BOARD (SHEATHING BOTH FACES OF WALL)	1/2" GYPSUM	1.5" LONG GALV. ROOFING NAILS, 6d COMMON NAILS, OR 1.25" LONG TYPE W DRYWALL SCREWS AT 7" O.C. AT SHEET EDGES AND INTERMEDIATE SUPPORTS.
CS-WSP	CONTINUOUS SHEATHED WOOD STRUCTURAL PANEL	7/16" OSB	6D OR 8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ENGINEERED ALTERNATIVE: 16 GAGE BY 1.75" LONG STAPLES AT 3" O.C. AT SHEET EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
CS-PF	CONTINUOUS SHEATHED PORTAL FRAME	7/16" OSB	NAILING PER DETAIL
CS-EPF	PORTAL FRAME WITH HOLD DOWNS	7/16" OSB	NAILING PER DETAIL
CS-ESW(1)	ENGINEERED SHEAR WALL, TYPE 1	7/16" OSB	8D COMMON NAILS AT 6" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(2)	ENGINEERED SHEAR WALL, TYPE 2	7/16" OSB	8D COMMON NAILS AT 4" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS
CS-ESW(3)	ENGINEERED SHEAR WALL, TYPE 3	7/16" OSB	8D COMMON NAILS AT 3" O.C. AT SHEET EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. CONTINUOUS OSB AROUND DOOR/WINDOW OPENINGS

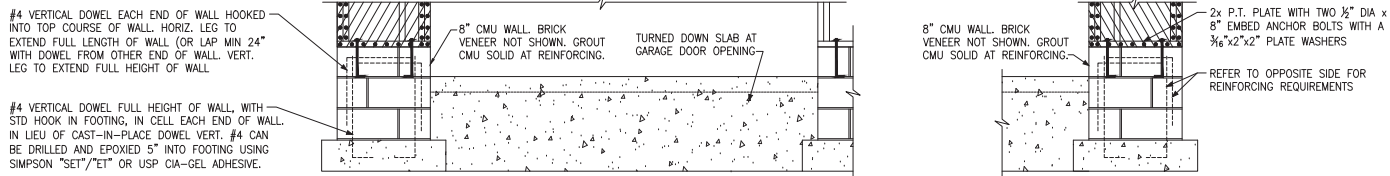
**BRACED WALL PANEL NOTES:**

- ALL BRACED WALL PANELS, EXCEPT GB(1) & GB(2), SHALL HAVE 2x BLOCKING BETWEEN WALL STUDS AT ALL HORIZONTAL SHEET EDGES.
- PROVIDE NAILING/BLOCKING ABOVE AND BELOW ALL BRACED WALL PANELS PER KSE BRACED WALL DETAILS.
- SEATH ALL EXTERIOR WALLS OF THE HOUSE WITH 7/16" O.S.B., OR 1/2" PLYWOOD, FASTENED PER IRC. AT EXTERIOR CORNERS, SHEATHING SHALL BE FASTENED PER KSE BRACED WALL DETAILS. AT INTERIOR WALL INTERSECTIONS, FASTEN STUDS & WALL BRACING PER KSE BRACED WALL DETAILS.
- BRACED WALL PANELS AND ENGINEERED SHEAR WALLS ARE PROVIDED PER IRC. PANEL LENGTHS SHOWN ON PLANS ARE THE MINIMUM LENGTH REQUIRED.

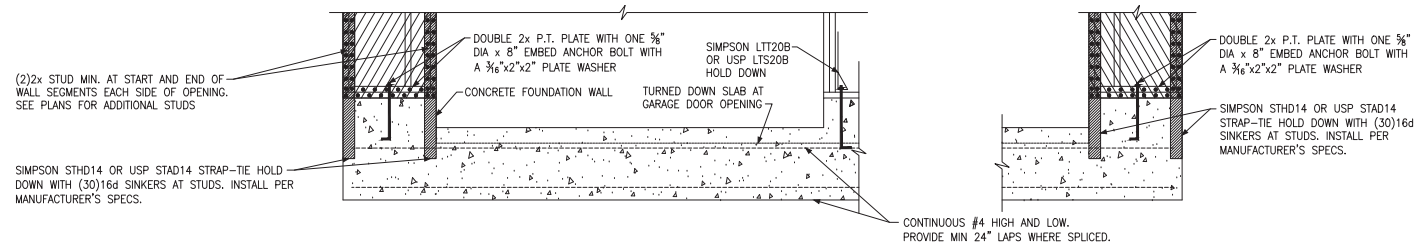




**A** METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION  
MONOLITHIC SLAB OR BASEMENT FOUNDATION

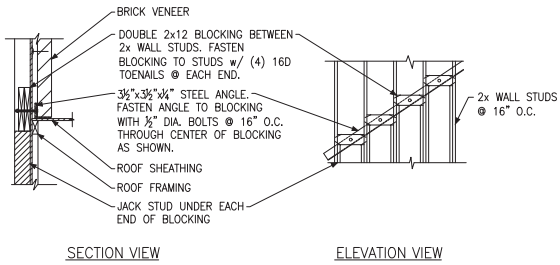


**B** METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION  
STEMWALL SLAB OR CRAWL SPACE FOUNDATION

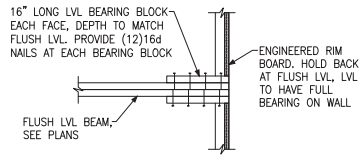


**C** METHOD CS-EPF: ENGINEERED PORTAL FRAME WITH HOLD-DOWNS

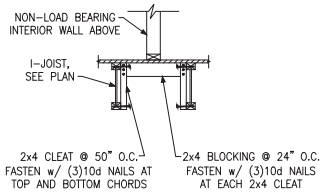




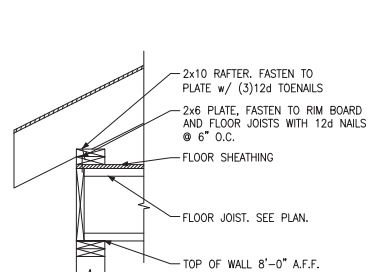
(A) BRICK LEDGER CONNECTION DETAIL



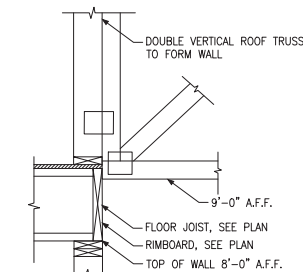
(B) BEARING ENHANCER FLUSH LVL



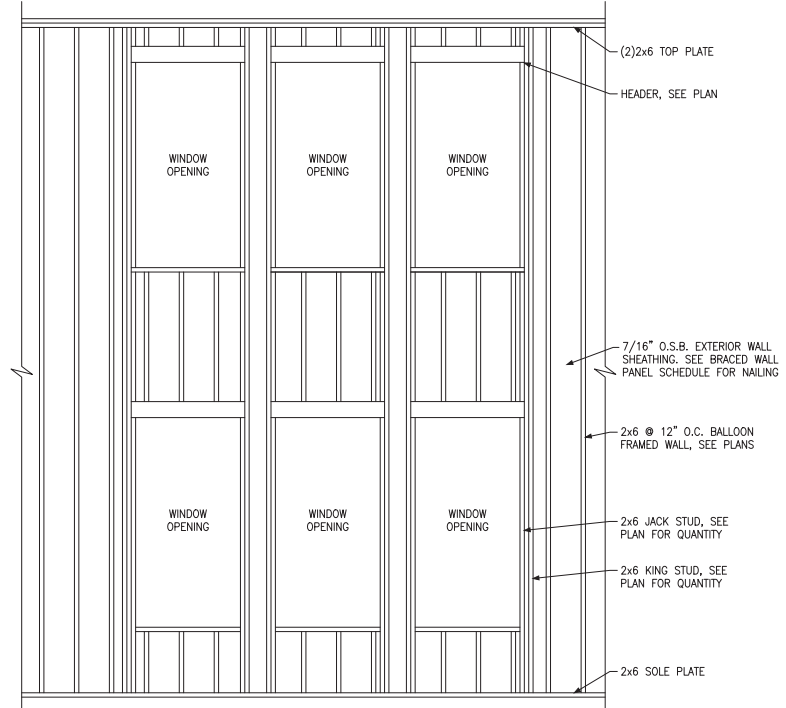
(C) I-JOIST LADDER BLOCKING AS REQUIRED @ PARALLEL WALLS



(E) EXTERIOR WALL DETAIL N.T.S.



(F) INTERIOR WALL DETAIL N.T.S.



(D) BALLOON FRAMED WALL DETAIL N.T.S.

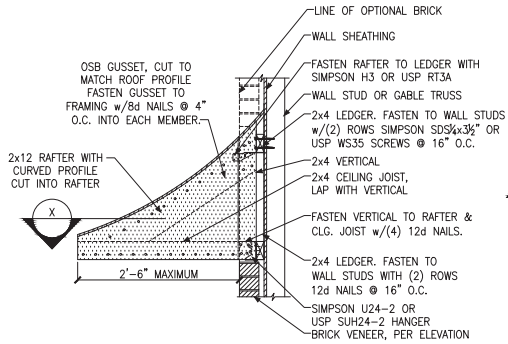
WALL STUD SIZE, HEIGHT & SPACING SCHEDULE						
STUD SIZE	BEARING WALLS			NONBEARING WALLS		
	LATERALLY UNSUPPORTED STUD HEIGHT	MAXIMUM SPACING WHEN SUPPORTING A ROOF-CEILING ASSEMBLY OR A HABITABLE ATTIC ASSEMBLY, ONLY	MAXIMUM SPACING WHEN SUPPORTING ONE FLOOR, PLUS A ROOF-CEILING ASSEMBLY OR A HABITABLE ATTIC ASSEMBLY	MAXIMUM SPACING WHEN SUPPORTING TWO FLOORS, PLUS A ROOF-CEILING ASSEMBLY OR A HABITABLE ATTIC ASSEMBLY	LATERALLY UNSUPPORTED STUD HEIGHT	MAXIMUM SPACING
2x4	10'-0"	24"	16"	-	14'-0"	24"
2x6	10'-0"	24"	24"	16"	20'-0"	24"



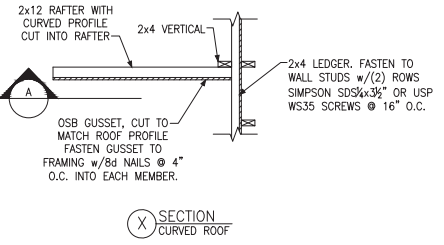
David Weekley Homes  
Raleigh, NC

Miscellaneous Framing Details  
Serenity, Lot #15  
B326 Blakestone Model  
115 M.P.H.  
Raleigh, North Carolina

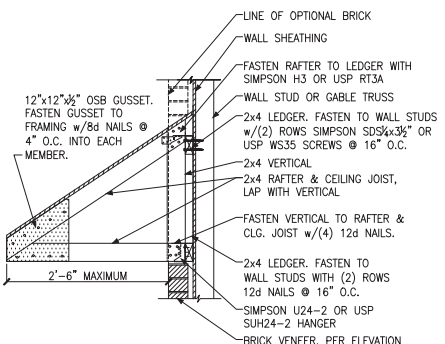
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Designed By: LMR  
Checked By:  
Issue Date: 5/11/23  
Re-Issue:  
Scale: 1/8"=1'-0" @ 11x17  
1/4"=1'-0" @ 22x34



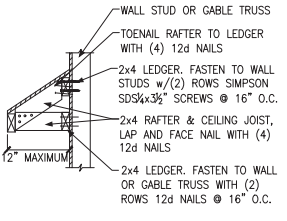
**A PENT ROOF DETAIL**  
CURVED ROOF



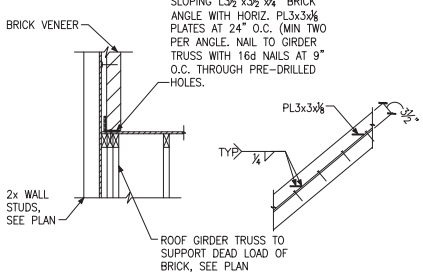
**X SECTION**  
CURVED ROOF



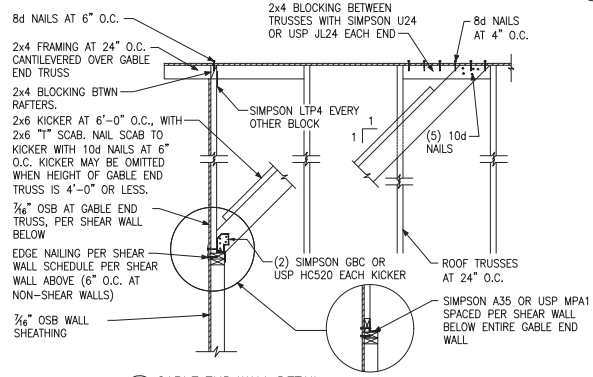
**B PENT ROOF DETAIL**  
STRAIGHT ROOF



**C EYEBROW ROOF DETAIL**  
STRAIGHT ROOF



**D TRUSS DETAIL**

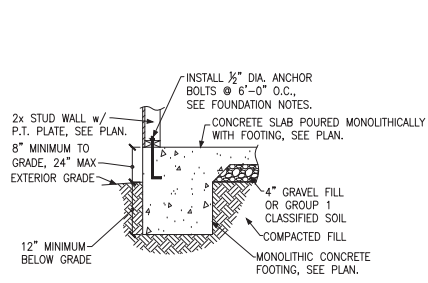


**E GABLE END WALL DETAIL**

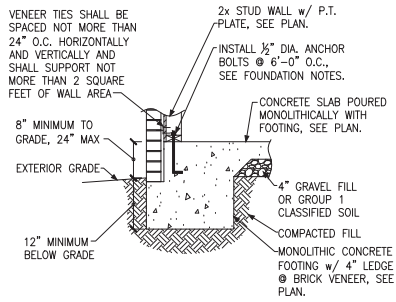
Miscellaneous Framing Details  
Serenity, Lot #15  
B326 Blakestone Model  
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Project #: 047-22002  
Designed By: LMR  
Checked By:  
Issue Date: 5/11/23  
Re-Issue:  
Scale: 1/8"=1'-0" @ 11x17  
1/4"=1'-0" @ 22x34

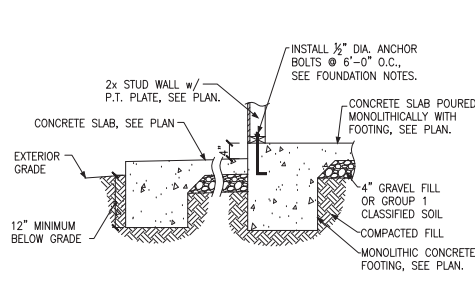




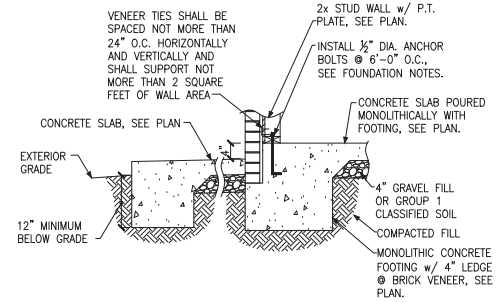
**A** FOUNDATION SECTION  
EXTERIOR WALL



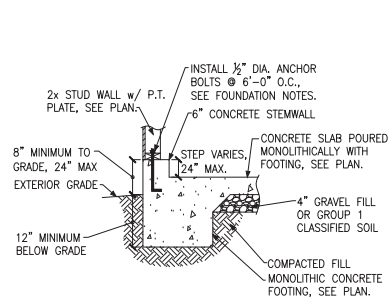
**B** FOUNDATION SECTION  
EXTERIOR WALL @ BRICK VENEER



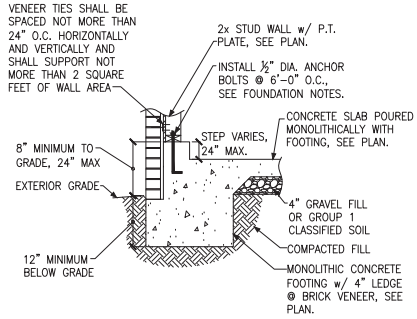
**C** FOUNDATION SECTION  
EXTERIOR WALL AT PORCH



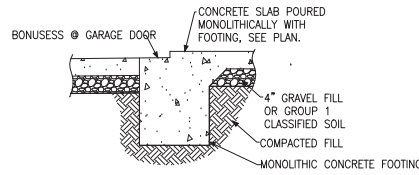
**D** FOUNDATION SECTION  
EXTERIOR WALL AT PORCH w/ BRICK VENEER



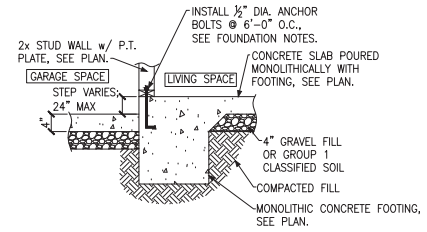
**E** FOUNDATION SECTION  
EXTERIOR GARAGE WALL



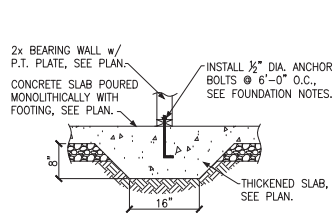
**F** FOUNDATION SECTION  
EXTERIOR GARAGE WALL @ BRICK VENEER



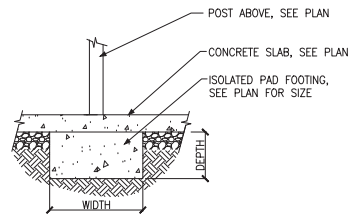
**G** GARAGE DOOR SECTION  
GARAGE DOOR



**H** THICKENED SLAB  
AT GARAGE

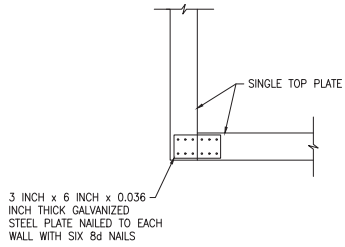


**J** THICKENED SLAB SECTION  
INTERIOR BEARING WALL

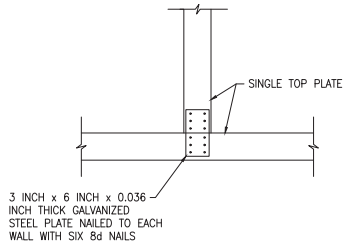


**K** ISOLATED PAD FOOTING  
INTERIOR COLUMN

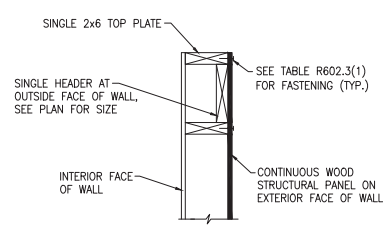




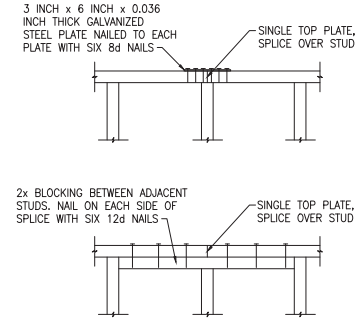
**A** SINGLE TOP PLATE SPLICE  
WALL INTERSECTION



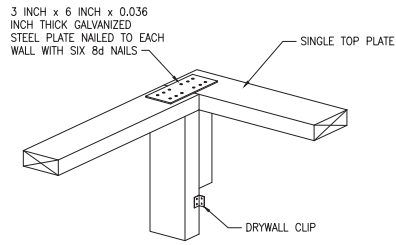
**B** SINGLE TOP PLATE SPLICE  
WALL INTERSECTION



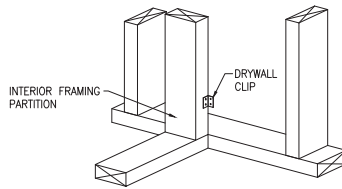
**C** SINGLE LOAD BEARING HEADER  
EXTERIOR WALL



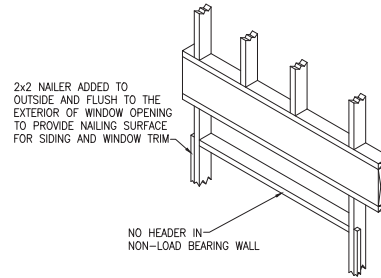
**D** SINGLE TOP PLATE SPLICE  
INTERIOR OR EXTERIOR WALL



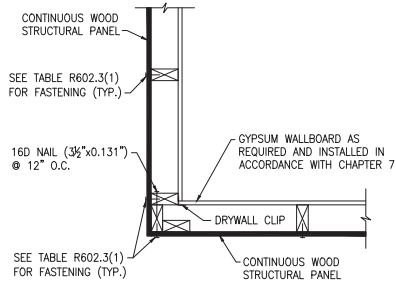
**E** SINGLE TOP PLATE SPLICE  
WALL INTERSECTION



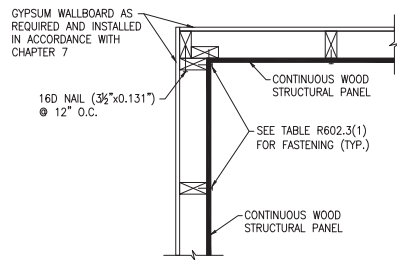
**F** SINGLE TOP PLATE SPLICE  
WALL INTERSECTION



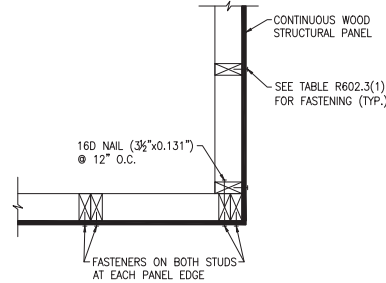
**G** NON-LOAD BEARING HEADER  
EXTERIOR WALL



**H** TYPICAL EXTERIOR CORNER FRAMING  
OUTSIDE CORNER DETAIL



**J** TYPICAL EXTERIOR CORNER FRAMING  
INSIDE CORNER DETAIL



**K** TYPICAL EXTERIOR CORNER FRAMING  
GARAGE DOOR CORNER DETAIL

**ADVANCED FRAMING NOTES**

- 1.) EXTERIOR WALLS TO BE 2x6 S.P.F. STUDS @ 24" O.C. WITH SINGLE TOP PLATE. TOP PLATE TO BE SPLICED PER NC RESIDENTIAL CODE.
- 2.) INTERIOR BEARING WALLS TO BE PER NC RESIDENTIAL CODE.
- 3.) ROOF TRUSSES AND FLOOR JOISTS ARE TO BE STACKED AND CENTERED OVER STUDS WITH A TOLERANCE OF NO MORE THAN 1 INCH. ADDITIONAL STUDS ARE TO BE ADDED WHERE THE ROOF TRUSSES AND FLOOR JOISTS ARE NOT STACKED OVER STUDS WITHIN 1" TOLERANCE.
- 4.) INTERIOR NON-LOAD BEARING WALLS TO BE 2x4 S.P.F. STUDS @ 24" O.C. WITH SINGLE TOP PLATE. TOP PLATE TO BE SPLICED PER NC RESIDENTIAL CODE.
- 5.) LOAD-BEARING HEADERS ARE NOT REQUIRED IN INTERIOR OR EXTERIOR NONBEARING WALLS. A SINGLE FLAT 2x MEMBER MAY BE USED AS A HEADER IN INTERIOR OR EXTERIOR NONBEARING WALLS FOR OPENINGS UP TO 8 FEET IN WIDTH IF THE VERTICAL DISTANCE TO THE PARALLEL NAILING SURFACE IS NOT MORE THAN 24 INCHES. FOR SUCH NONBEARING HEADERS, NO CRIPPLES OR BLOCKING ARE REQUIRED ABOVE THE HEADER.

