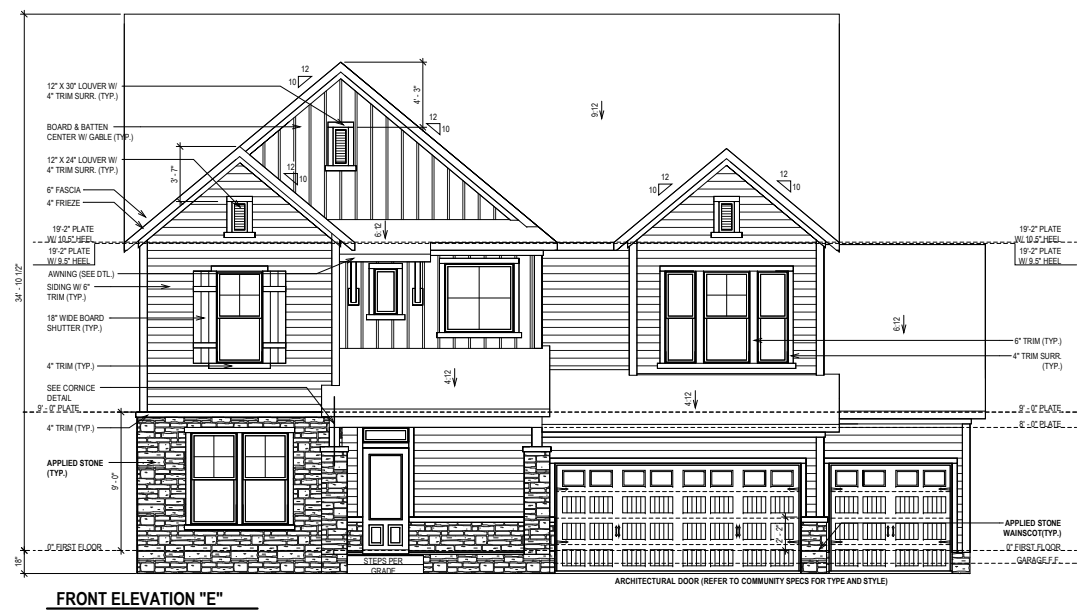


CORNICE DTL.
SCALE: 1" = 1'-0"



FRONT ELEVATION "E"

PROVIDE HANDRAIL WHEN REQUIRED BY CODE



REAR ELEVATION

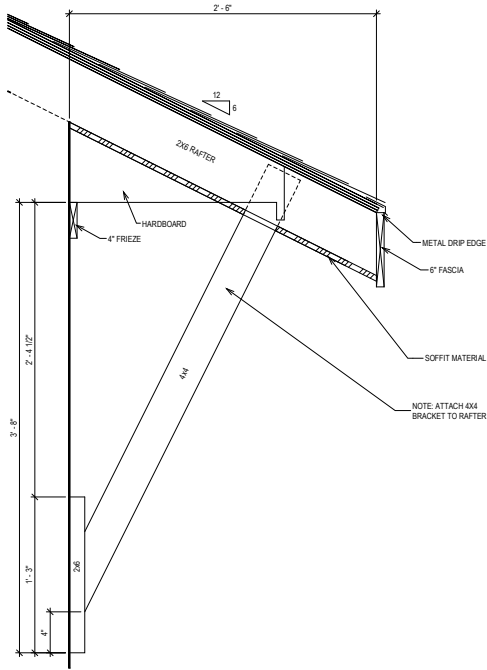
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David Weekley Homes
GS/AB/AA Date: 08/12/2021 Scale: 1/8"=1'-0" Rev: 2/6/23 EB

Proj. No.: 12
Lot: 3277
Block: 0012
Sect:

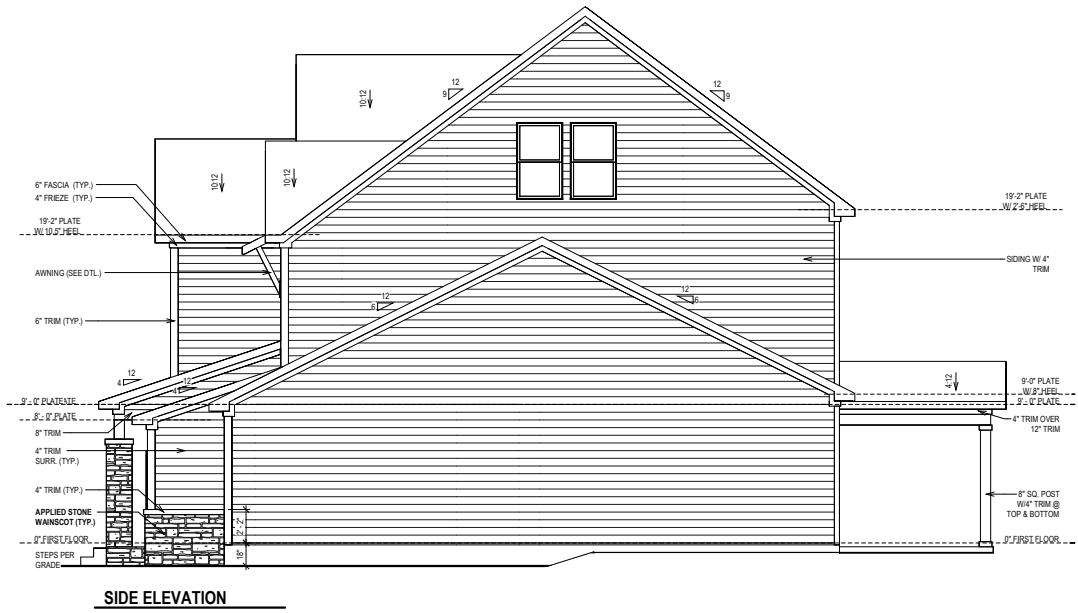
SERENITY 65'
62 SNEED LN
FUQUAY VARINA, NC

NORTH
B330-E
ELV-1
RANSBALL
RALEIGH



AWNING DETAIL (NON-STRUCTURAL)

SCALE: 1" = 1'-0"



SIDE ELEVATION



SIDE ELEVATION

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David Weekley Homes
GS/AB/AA Scale: 1/8" = 1'-0"
Date: 08/12/2021 Rev: 2/6/23 EB

Proj. No.: 12
Lot: 3277
Block: 0012
Sect:

SERENITY 65'
62 SNEED LN
FUQUAY VARINA, NC

NORTH
B330-E
ELV-2
RANS DALL
RALEIGH

SHEET INDEX:

S-0 COVER SHEET
 S-0.1 GENERAL STRUCTURAL NOTES
 S-1 MONOLITHIC SLAB FOUNDATION PLAN
 S-2 SECOND FLOOR FRAMING PLAN
 S-3 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

**B330 RANSDALL
SERENITY, LOT #12**

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_b=2,325 PSI, F_v=310 PSI, F_c=900 PSI
- LVL: E=2,000,000 PSI, F_b=2,600 PSI, F_v=285 PSI, F_c=750 PSI
- PSL: E=2,100,000 PSI, F_b=2,900 PSI, F_v=290 PSI, F_c=625 PSI



**KSE
ENGINEERING**

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

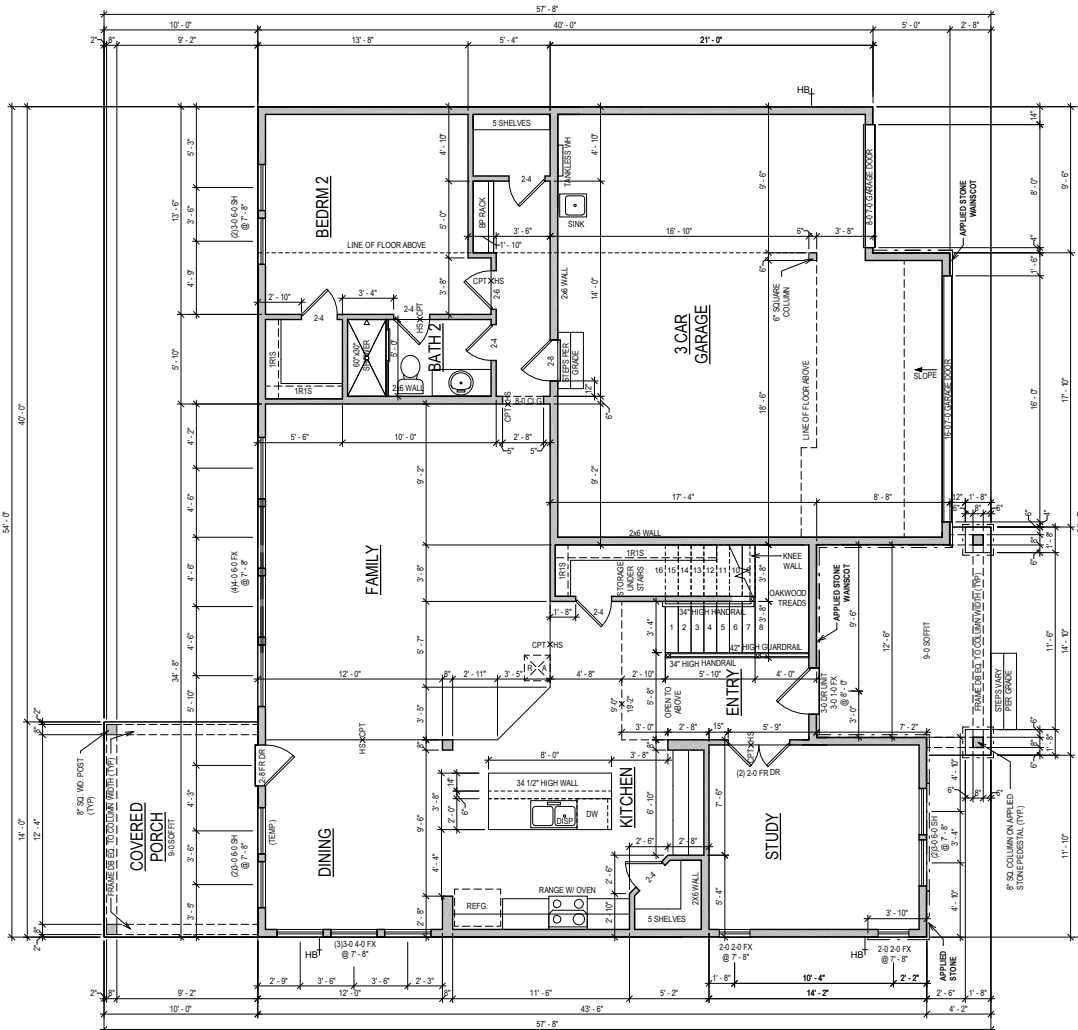
David Weekley Homes
Raleigh, NC

Cover Sheet
 Serenity, Lot #12
 B330 Ransdall Model
 115 M.P.H.
 Raleigh, North Carolina

Project #: 047-20010
 Designed By: JPS
 Checked By:
 Issue Date: 4/28/23
 Re-Issue:
 Scale: 1/8"=1'-0" @ 11x17
 1/4"=1'-0" @ 22x34



S-0



FIRST FLOOR

PLAN SQFT	
LIVING	
1ST FLOOR	1584 SF
2ND FLOOR	1625 SF
3RD FLOOR	482 SF
TOTAL LIVING	3691 SF
SLAB	
1ST FLOOR	1584 SF
COVERED PORCH	140 SF
FRONT PORCH	150 SF
GARAGE	671 SF
TOTAL SLAB	2545 SF
FRAMING	
1ST FLOOR	1584 SF
2ND FLOOR	1552 SF
3RD FLOOR	413 SF
COVERED PORCH	150 SF
FRONT PORCH	150 SF
GARAGE	671 SF
TOTAL FRAMING	4510 SF

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 36" 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.

OPTION LIST

1ST FLOOR BATHS & REARS
 FRENCH DOORS @ STUDY
 COVERED PORCH
 SHOWER @ BATH 2
 BACKPACK BACK
 2ND SINK @ BATH 3
 COUNTER TOP @ UTILITY

2ND FLOOR BATH 1
 SINK @ UTILITY
 DOOR TO BATH 2 @ BED 2
 HARD SURFACE TREAD @ STAIRS
 UTILITY SINK @ GARAGE
 COUNTER TOP @ UTILITY

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

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

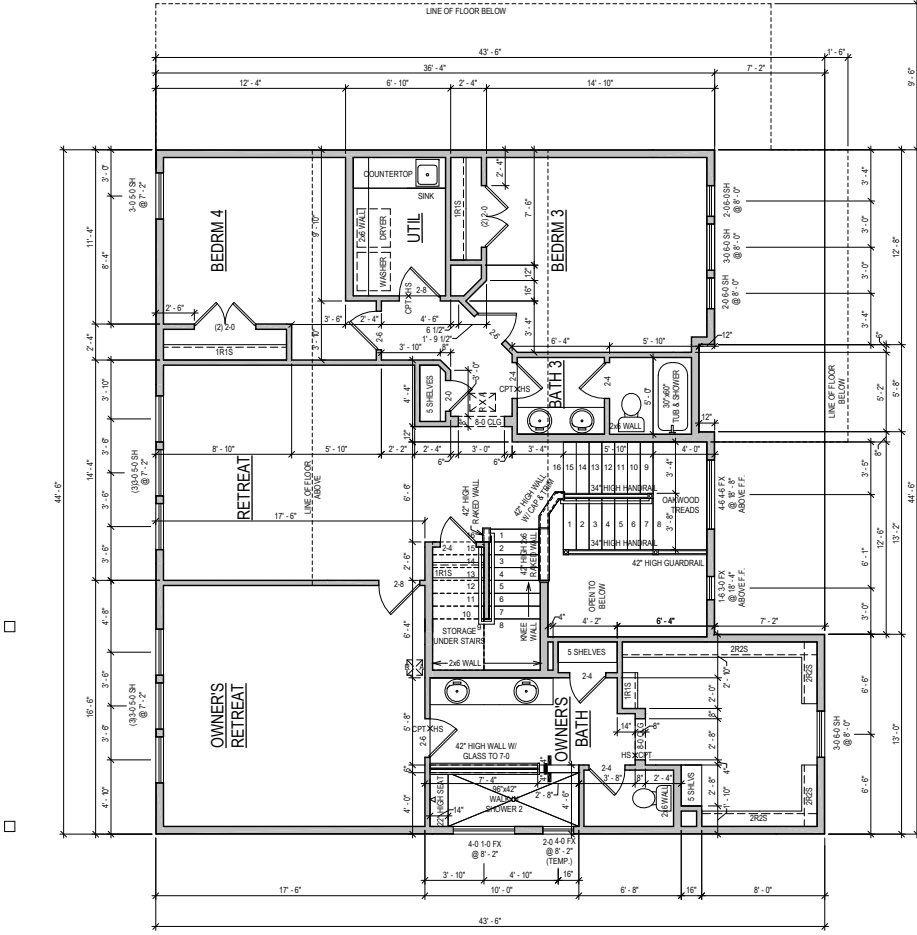
David Weekley Homes
 GS/AB/AA Date: 08/12/2021 Scale: 1/8"=1'-0" Rev: 2/16/23 EB

PROJ. NO. 3277
LOT: 12
JOB NO. 0012
SECT.

SERENITY 65
62 SNEED LN
FUQUAY VARINA, NC

NORTH B330-E PLN-1
RANS DALL
RALEIGH

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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

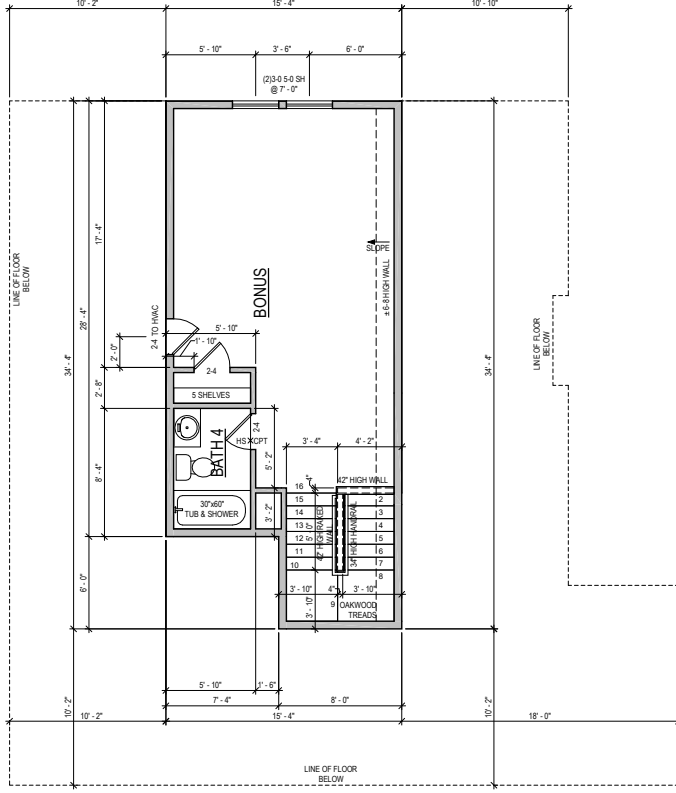
NORTH
B330-E
PLN-2
RANSBALL
RALEIGH

SERENITY 65
62 SNEED LN
FUQUAY VARINA, NC

Proj. No.:
3277
Lot:
0012
Job No.:
0012
Block:
0012
Sect:

David Weekley Homes
GS/AB/AA
Date: 08/12/2021
Scale: 1/8"=1'-0"
Rev: 2/6/23 EB

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BONUS

NOTE: ALL 3RD FLR. CEILING HEIGHTS
8'-0" UNLESS NOTED OTHERWISE

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

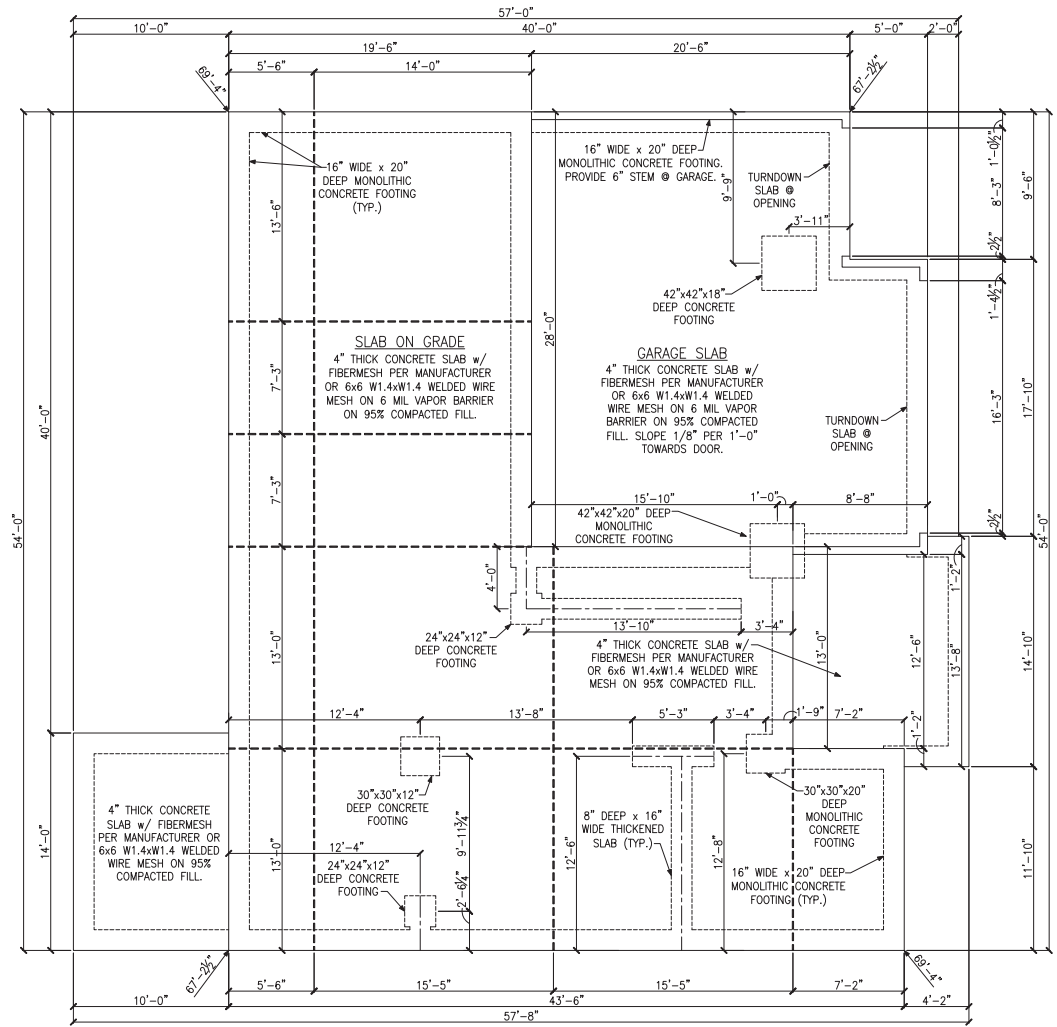
NORTH
B330-E
PLN-3
RANSBALL
RALEIGH

SERENITY 65'
62 SNEED LN
FUQUAY VARINA, NC

Proj. No.:
3277
Job No.:
0012
Lot:
12
Block:
0012
Sect:

David Weekley Homes
GS/AB/AA Date:
Scale: 1/8"=1'-0"
Rev: 2/6/23 EB

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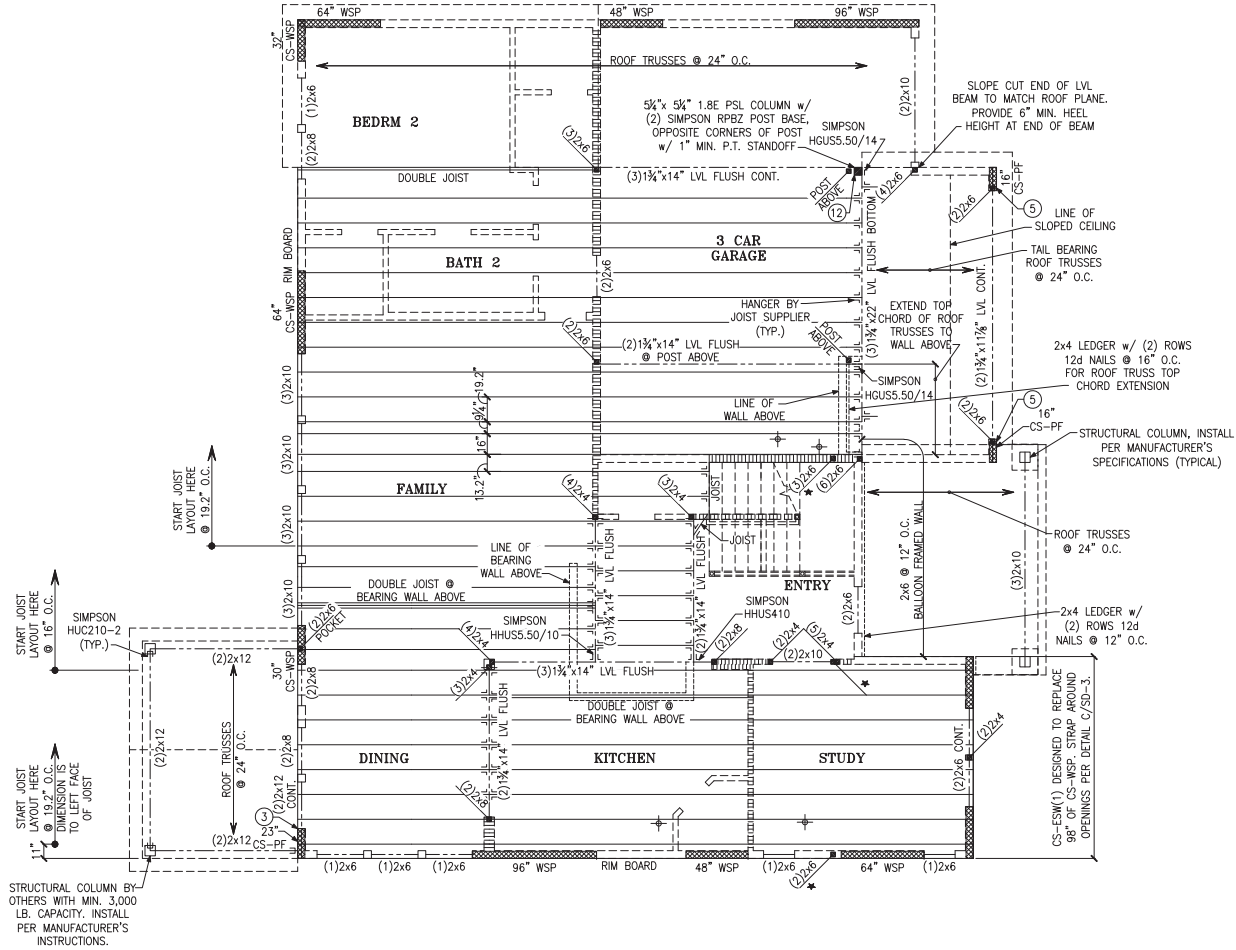
MONOLITHIC SLAB FOUNDATION PLAN

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





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:

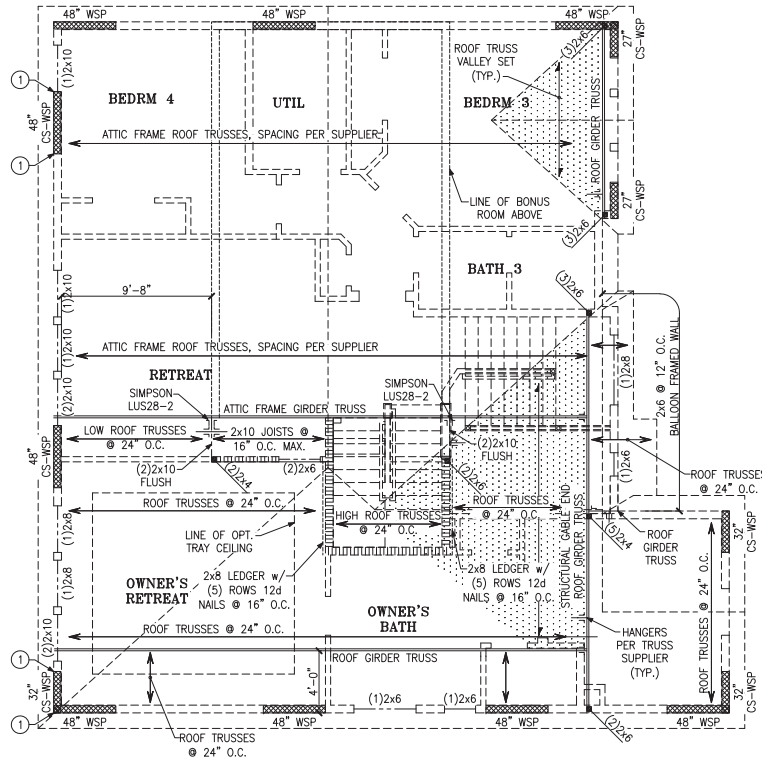
- ③ INSTALL ONE PANEL CS-PF PORTAL FRAME PER DETAIL A/SD-3.
- ⑤ INSTALL TWO PANEL CS-PF PORTAL FRAME PER DETAIL A OR B/SD-4.
- ⑫ TOE-SCREW TOP OF PSL COLUMN TO UNDERSIDE OF BEAM WITH (4) SIMPSON 0.152"x6" SDWC SCREWS (SDWC15600)

SECOND FLOOR FRAMING PLAN

Second Floor Framing Plan
Serenity, Lot #12
B330 Ransdall Model
115 M.P.H.
Raleigh, North Carolina

Project #: 047-20010
Designed By: JPS
Checked By:
Issue Date: 4/28/23
Re-Issue:
Scale: 1/8"=1'-0" @ 11x17
1/4"=1'-0" @ 22x34





ROOF FRAMING PLAN

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)

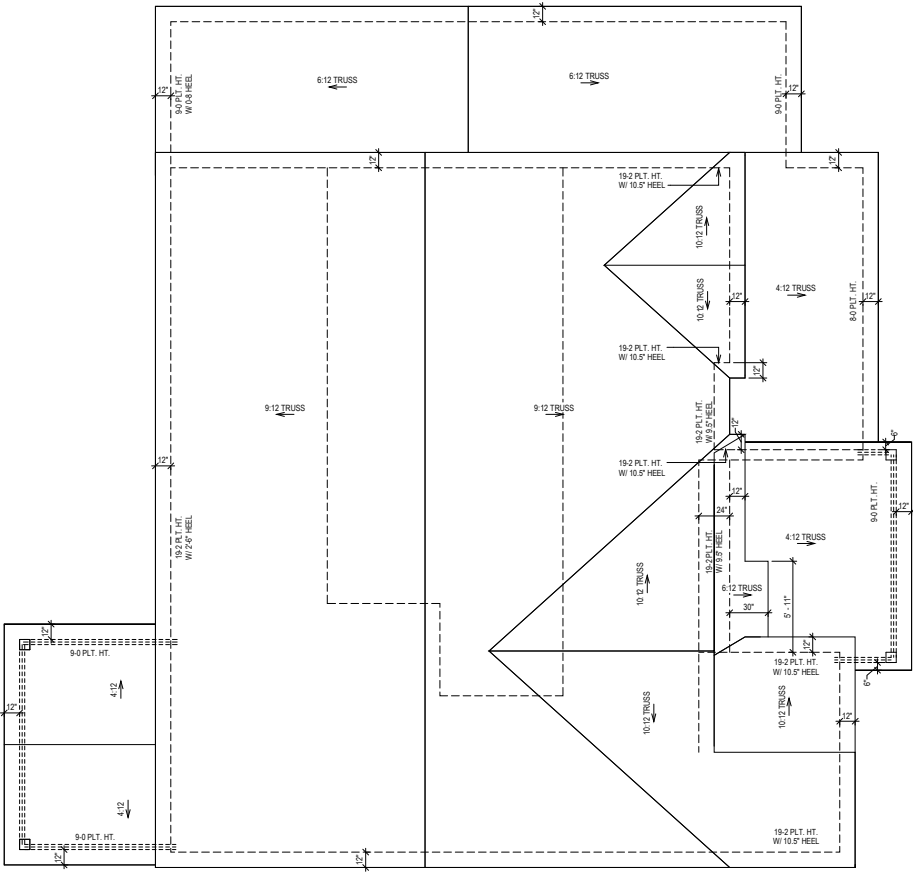
REFER TO KSE STRUCTURAL DETAILS SET FOR GENERAL STRUCTURAL NOTES, TYPICAL DETAILS AND ADVANCED FRAMING NOTES AND DETAILS

PLAN DESIGNED WITH 9" NOMINAL WALL PLATE HEIGHT

KEYNOTES:

① AT RAISED FLOOR BELOW, CONNECT STUD AT END OF BRACED WALL PANEL TO FRAMING BELOW WITH A 30" LONG SIMPSON C320 COIL STRAP WITH MIN 8-104 NAILS EACH END. AT SLAB FOUNDATION BELOW, CONNECT STUD TO FOUNDATION w/ SIMPSON DTT12 w/ SIMPSON 3/8"x6" TITEN HD SCREW ANCHOR AND 3/8" MINIMUM EMBEDMENT.





ROOF PLAN "E"

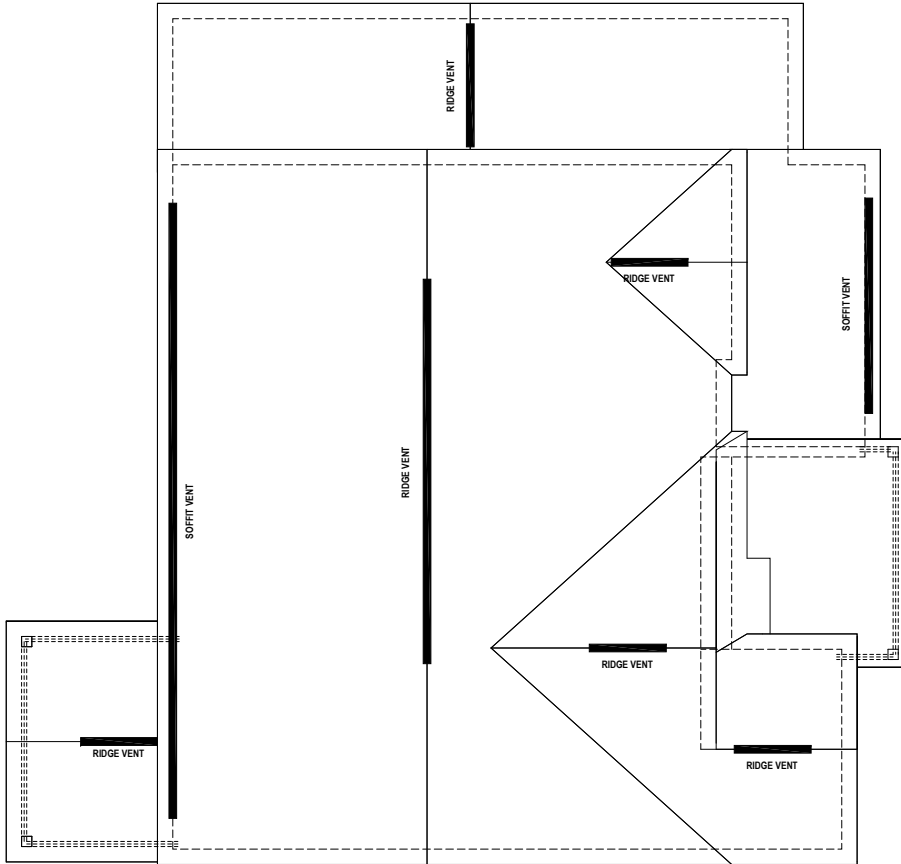
NORTH
B330-E
RFP-1
 RANSDALL
 RALEIGH

SERENITY 65'
 62 SNEED LN
 FUQUAY VARINA, NC

Proj. No.:
 3277
 Lot:
 12
 Job No.:
 0012
 Block:
 Sect:

David Weekley Homes
 GS/AB/AA
 Date: 08/12/2021
 Scale: 1/8"=1'-0"
 Rev: 2/6/23 EB

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ROOF PLAN W/ CALCS

ROOF VENT CALCULATION:
 ATTIC SPACE: 2545 SQ.FT.
 REQUIRED VENTILATION: 1222 SQ.IN. REQ.
 SOFFIT VENT PROVIDED: 54 LINEAL FEET
 RIDGE VENT PROVIDED: 53 LINEAL FEET
 AIR HAWK VENT PROVIDED: 0 UNITS
 PROVIDED VENTILATION: 1224 SQ.IN.
 50-80% IN UPPER PORTION: 78%

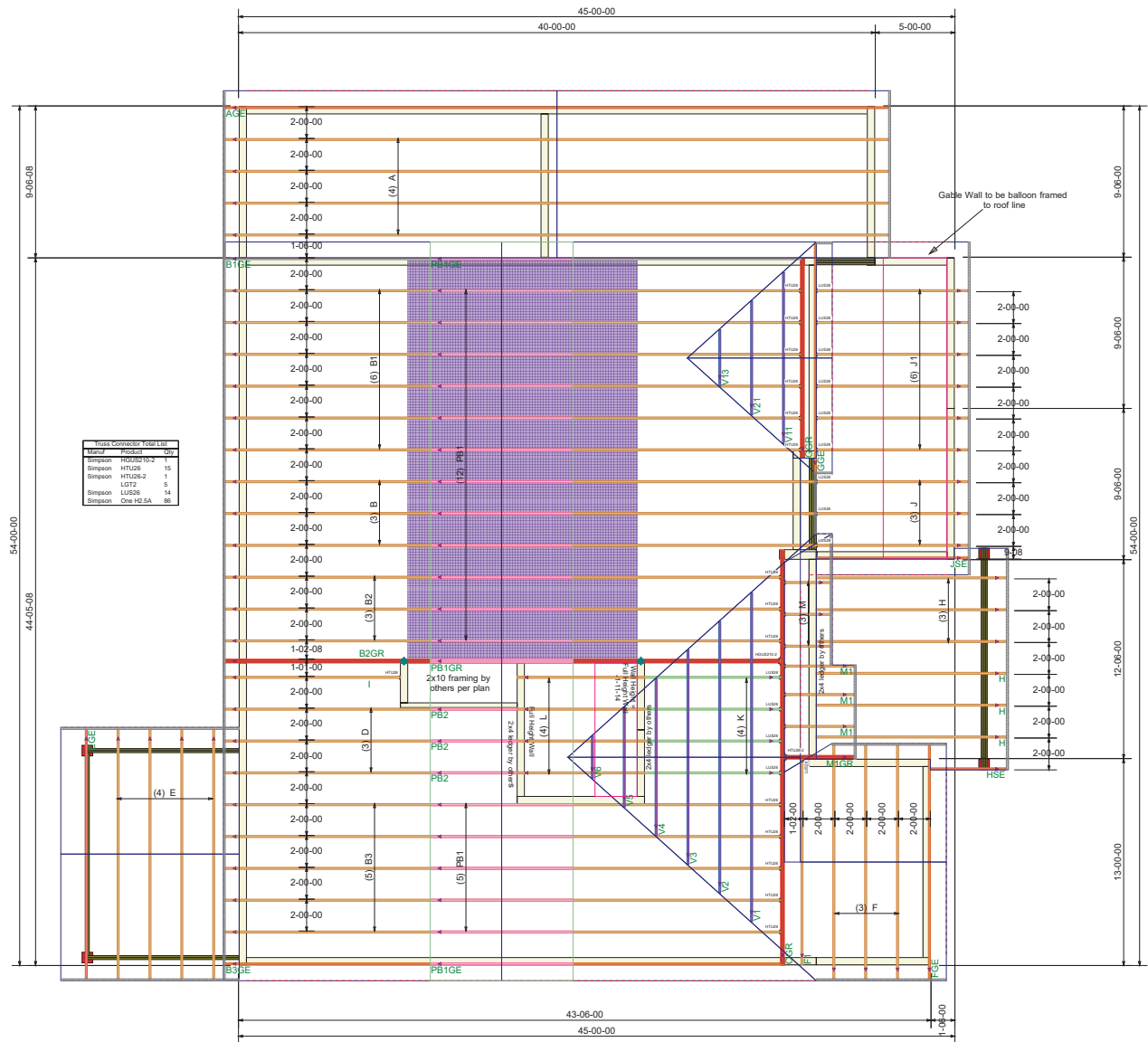
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 R/M/M/W/K/C
 Date: _____
 Scale: 1/8"=1'-0"
 Rev: 2/6/23 EB

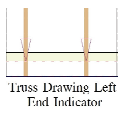
Proj. No.: 12
 Lot: 3277
 Job No.: 0012
 Block: _____
 Sect: _____
 SERENITY 65'
 62 SNEED LN
 FUQUAY VARINA, NC

NORTH
B330-E
RFP-2
 RANSDALL
 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.



Material	Quantity	Notes
Simpson HTL26	15	
Simpson HTL262	1	
LOT2	5	
Simpson LUS26	14	
Simpson One H2 SA	86	



** DIMENSIONS ARE READ AS FOOT-INCH-SIXTEENTH. ** TRUSS TO TRUSS CONNECTIONS ARE FOC-MAILED, UNLESS NOTED OTHERWISE. ** GIRDBERS MUST BE FULLY CONNECTED TOGETHER PRIOR TO ADDING ANY LOADS. ** 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 DIAGRAM 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 placement designer is responsible for the overall design of the building and for the overall support 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'Oefrio Drive, Madison, WI 53779

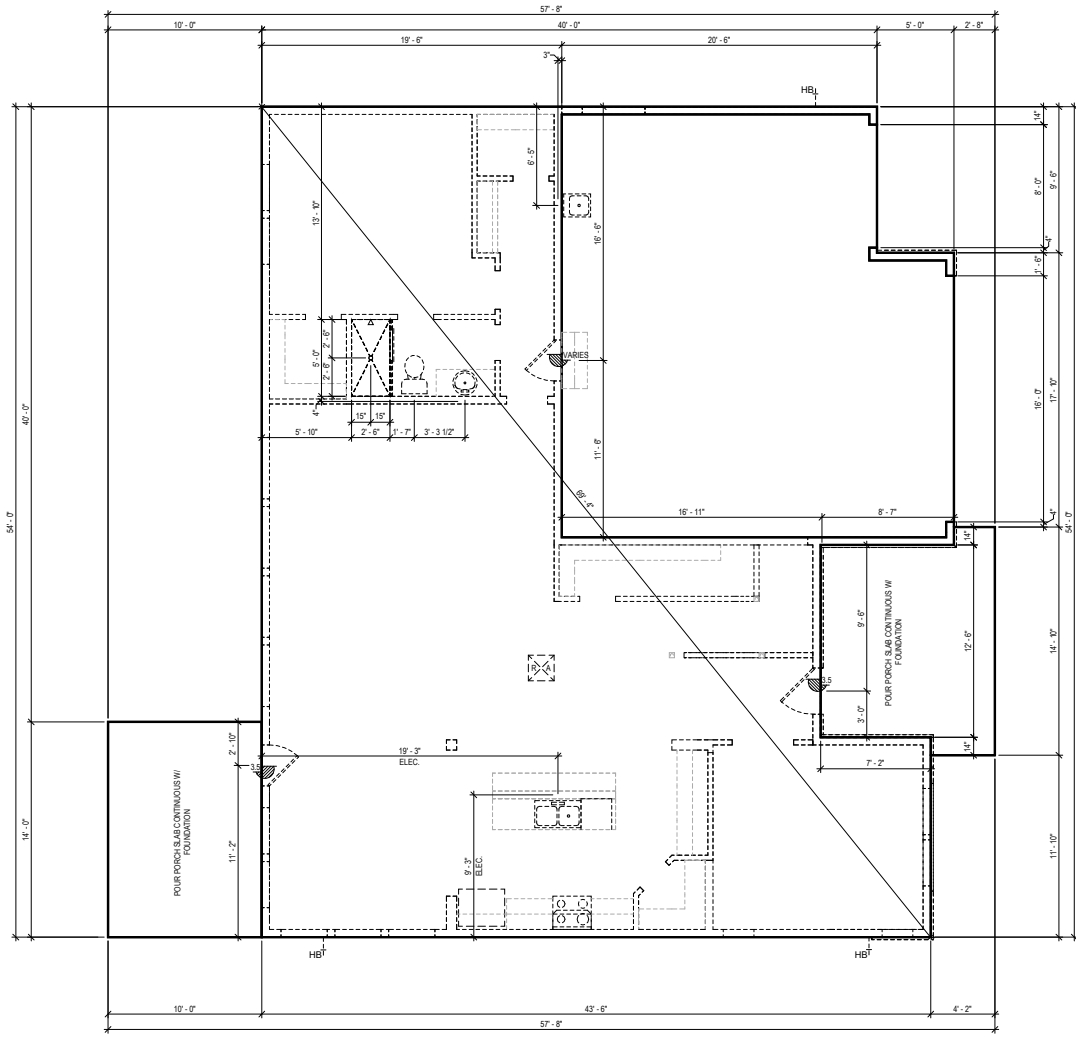


David Weekley
12 Serenity - 330E
COMPONENT PLAN

Scale: NTS
Date: 5/18/2023
Designer: M. Finch
Project Number: 23050027
Sheet Number:
1/1

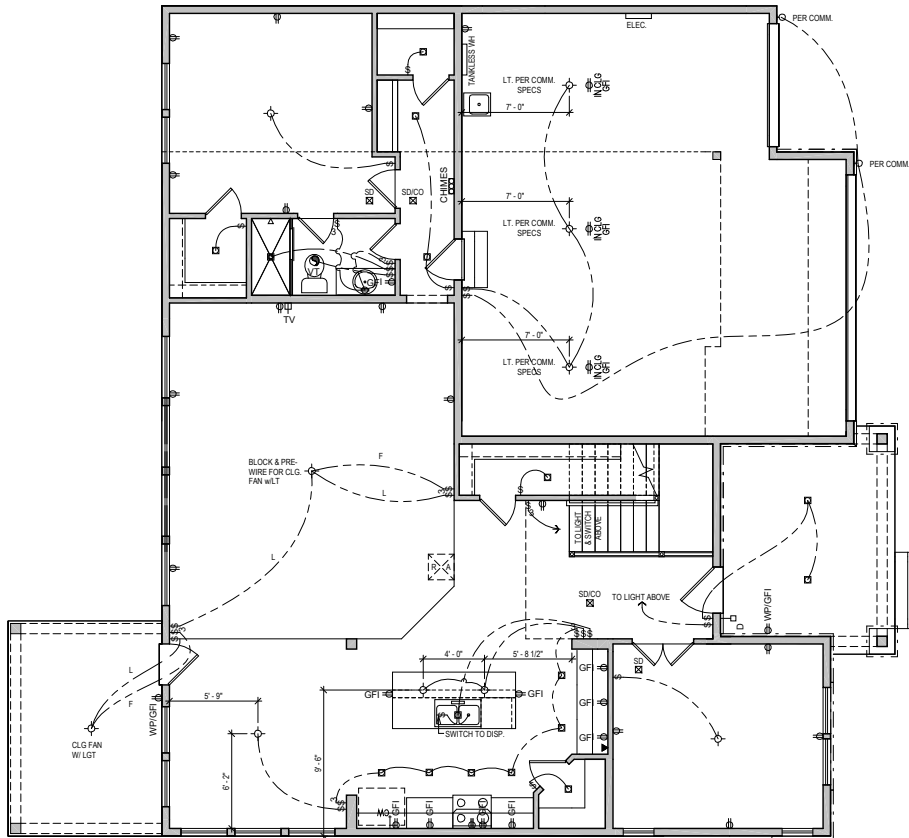
** FRAMER MUST REFER TO PLANS WHILE SETTING COMPONENTS. ** DAMAGED COMPONENTS SHOULD NOT BE INSTALLED UNLESS TOLD TO BY THE COMPONENT PLANT.

** TRIANGULAR SYMBOL NEAR END OF TRUSS INDICATES LEFT END OF TRUSS AS SHOWN ON INDIVIDUAL TRUSS DRAWINGS. ** PLUMBING DROPS NOTED ARE IN THE APPROXIMATE LOCATIONS PER PLAN. BUILDER TO VERIFY LOCATIONS BEFORE SETTING TRUSSES. **



FIRST FLOOR "E"

SEE ENGINEERING FOR ANCHOR BOLT REQUIREMENTS



FIRST FLOOR "E"

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

CITY SPECIFIC
VITAL RECESSED CAN/ EXHAUST
VENT COMBO

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

**IN ALL HABITABLE ROOMS
LIGHT BOXES MUST BE FAN
RATED**

MID-ATLANTIC General Notes

1. ALL ELECTRICAL PLUGS TO BE 9" TO TOP FROM FLOOR IN ROOMS WITH WALL MOLDINGS.
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.

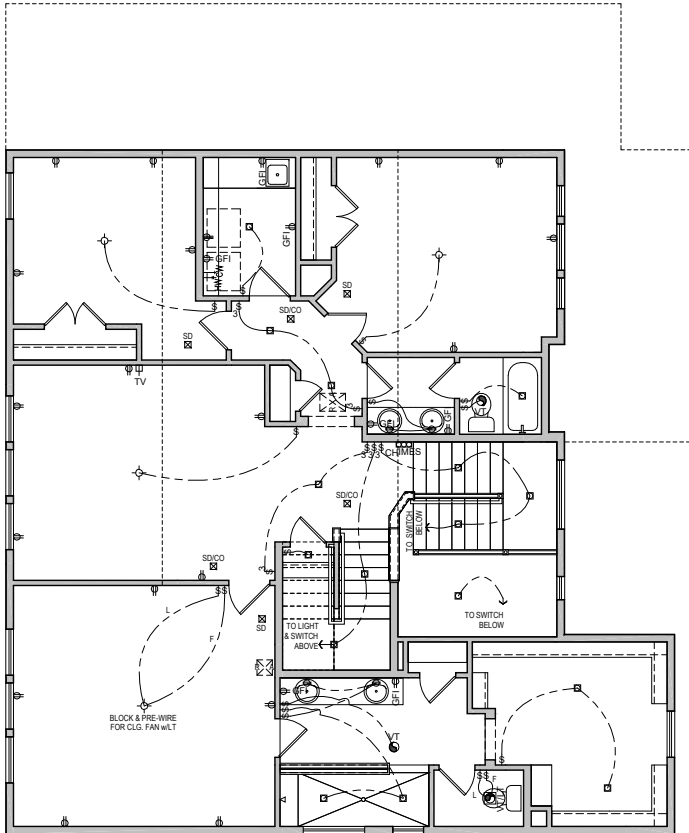
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David Weekley Homes
GS/AB/AA Date: 08/12/2021 Scale: 1/8"=1'-0" Rev: 2/6/23 EB

Proj. No.: 12
Lot: 3277
Block: 0012
Sect:

SERENITY 65'
62 SNEED LN
FUQUAY VARINA, NC

NORTH
B330-E
ELE-1
RANS DALL
RALEIGH



SECOND FLOOR "E"

UTILITY LEGEND	
⊕	110V OUTLET 12" A.F.F. (U.N.C.)
⊕	GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED)
1/2 ⊕	HALF HOT OUTLET
⊕	220V OUTLET (30" A.F.F. @ UTILITY)
▽	PHONE LINE
TV	CABLE TELEVISION
⊕	STANDARD SWITCH (3 OR 4 WAY AS NOTED)
⊕	SURFACE MOUNTED LIGHT
⊕	SURFACE MOUNTED LED LED DISC LIGHT
⊕	WALL MOUNTED LIGHT
E	ELEVATOR CALL BUTTON
⊕	RECESS CAN LIGHT (EYEBALL AS NOTED)
VT	EXHAUST VENT
SD	SMOKE DETECTOR (CARBON MONOXIDE AS NOTED)
D	DOOR BELL
CHIMES	DOOR BELL CHIMES
ELEC	PANELBOARD W/ CIRCUIT BREAKERS
HB	HOSE BIB
GAS	GAS TAP
CW HW	COLD/HOT WATER SUPPLY

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

IN ALL HABITABLE ROOMS
LIGHT BOXES MUST BE FAN
RATED

MID-ATLANTIC General Notes

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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.

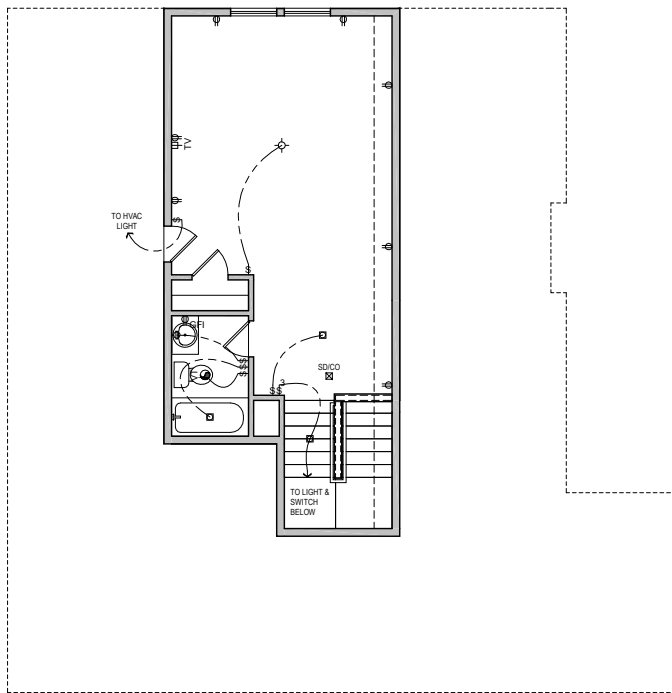
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Proj. No.: 12
3277
Block: 0012
Sect:

SERENITY 65'
62 SNEED LN
FUQUAY VARINA, NC

NORTH
B330-E
ELE-2
RANS DALL
RALEIGH



BONUS

UTILITY LEGEND	
⊕	110V OUTLET 12" A.F.F. (U.N.C.)
⊕	GROUND FAULT INTERRUPTOR (WEATHER PROOF AS NOTED)
1/2 ⊕	HALF HOT OUTLET
⊕	220V OUTLET (30" A.F.F. @ UTILITY)
▽	PHONE LINE
TV	CABLE TELEVISION
⊕	STANDARD SWITCH (3 OR 4 WAY AS NOTED)
⊕	SURFACE MOUNTED LIGHT
⊕	SURFACE MOUNTED LED LED DISC LIGHT
⊕	WALL MOUNTED LIGHT
E	ELEVATOR CALL BUTTON
□	RECESS CAN LIGHT (EYEBALL AS NOTED)
VT	EXHAUST VENT
SD	SMOKE DETECTOR (CARBON MONOXIDE AS NOTED)
D	DOOR BELL
CHIMES	DOOR BELL CHIMES
ELEC.	PANELBOARD W/ CIRCUIT BREAKERS
HB	HOSE BIB
GAS	GAS TAP
CW HW	COLD/HOT WATER SUPPLY

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

IN ALL HABITABLE ROOMS
LIGHT BOXES MUST BE FAN
RATED

MID-ATLANTIC General Notes

1. ALL ELECTRICAL PLUGS TO BE 9" TO TOP FROM FLOOR IN ROOMS WITH WALL NICKLINGS.
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.

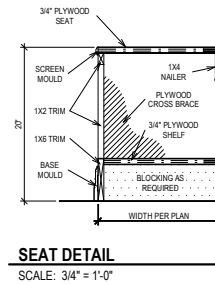
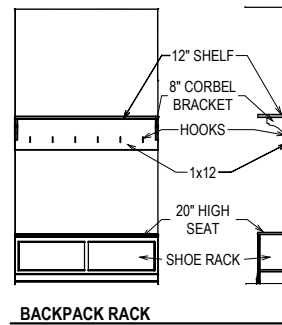
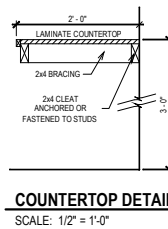
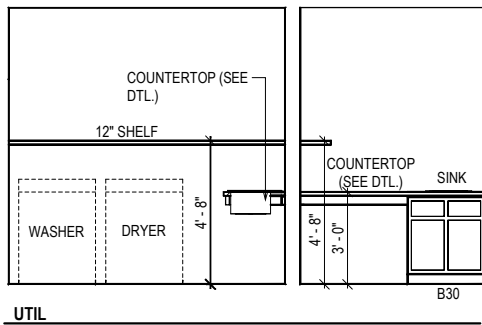
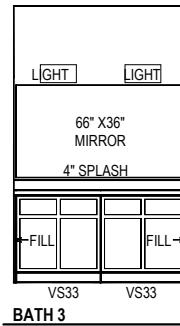
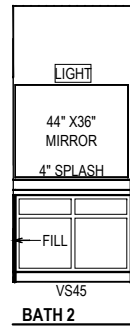
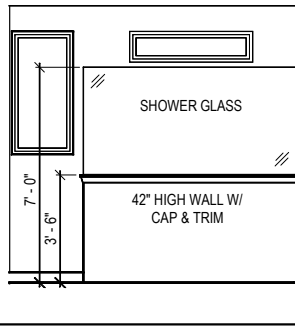
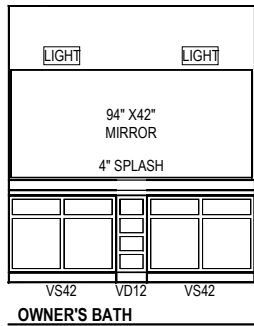
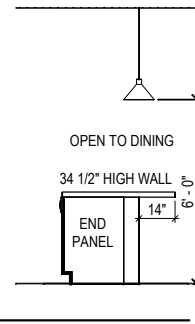
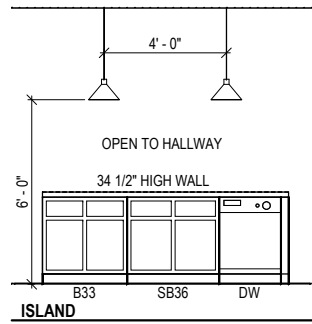
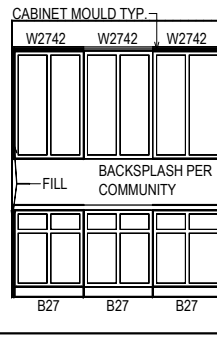
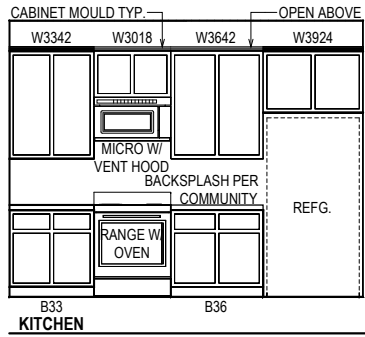
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David Weekley Homes
Scale: 1/8"=1'-0"
Rev: 2/6/23 EB

Proj. No.: 12
Lot: 3277
Block: 0012
Sect:

SERENITY 65'
62 SNEED LN
FUQUAY VARINA, NC

NORTH
B330-E
ELE-3
RANSDALL
RALEIGH



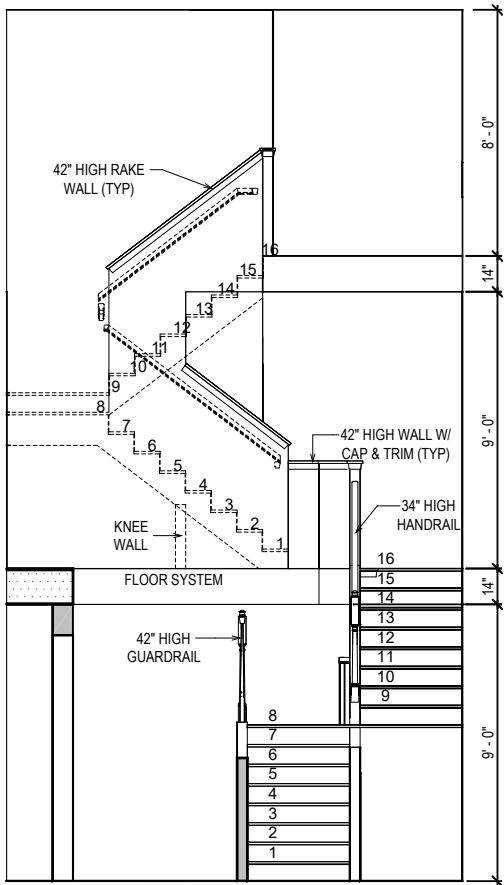
© Weekley Homes, L.P. 2021
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David Weekley Homes
CN/AF/SG Date: 08/11/2021 Scale: 1/4" = 1'-0" Rev: 2/6/23 EB

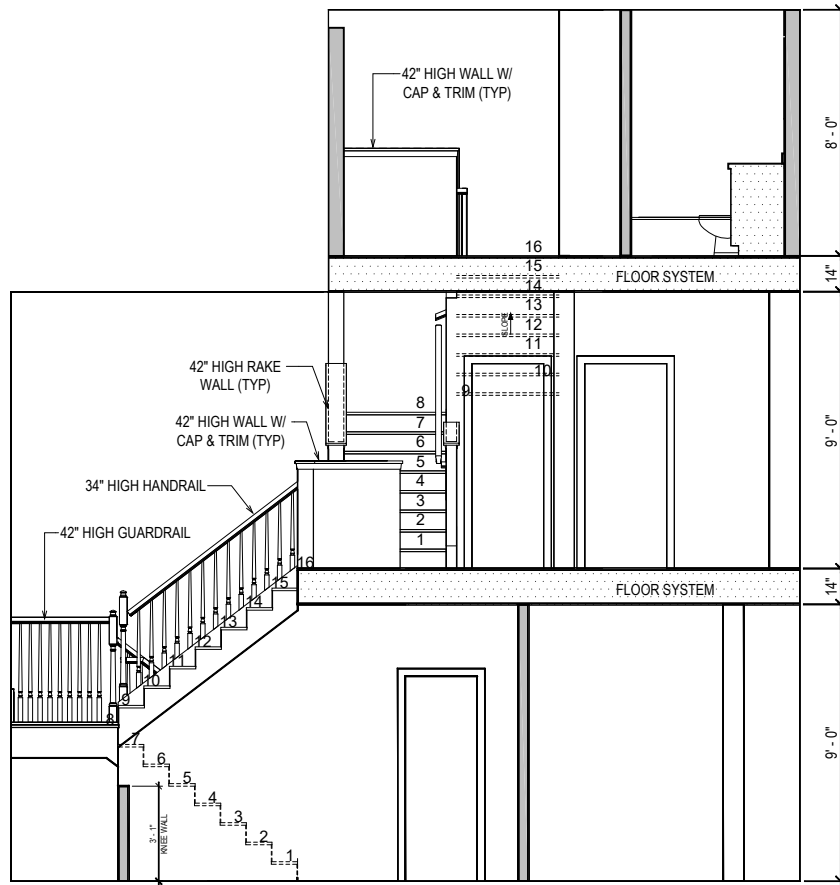
Proj. No.: 12
Lot: 3277
Block: 0012
Sect:

SERENITY 65'
62 SNEED LN
FUQUAY VARINA, NC

NORTH B330-E INT-1
RANS DALL
RALEIGH



STAIR SECTION



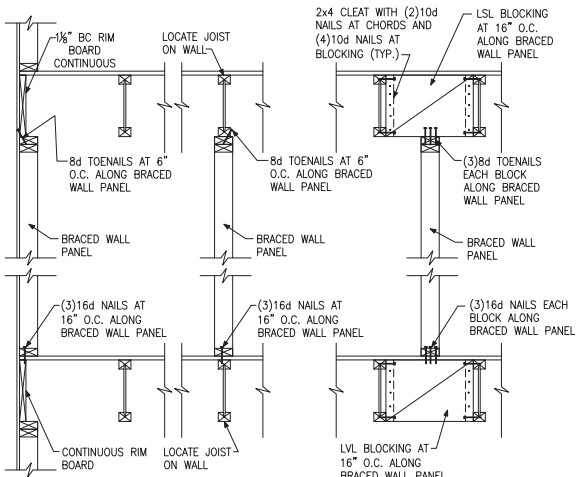
© Weekley Homes, L.P. 2021
 The measurements, dimensions, and other specifications shown on this document are guidelines for construction use only. This document may not be relied on as a representation of what the completed structure will look like.

David Weekley Homes
 Date: _____
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 Rev: 2/16/23 EB

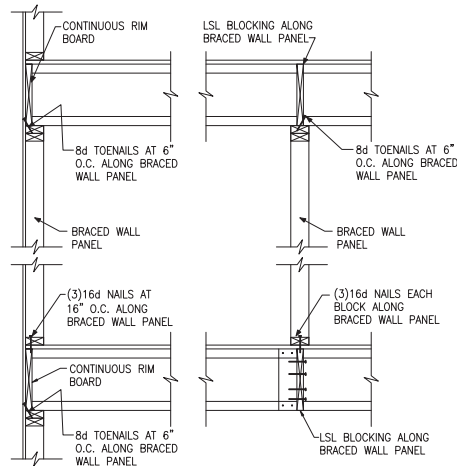
Proj. No.: 12
 Lot: 3277
 Block: 0012
 Sect:

SERENITY 65'
 62 SNEED LN
 FURQUAY VARINA, NC

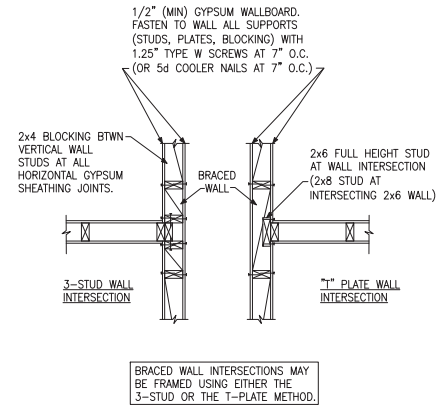
NORTH
B330-E
INT-2
 RANSBALL
 RALEIGH



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

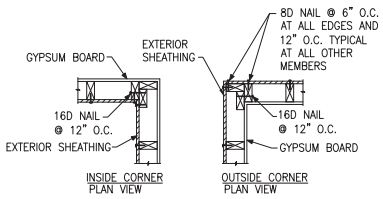


B TYPICAL BRACED WALL PANEL TO FLOOR/CEILING CONNECTION
BRACED WALL PANELS PERPENDICULAR TO I-JOISTS



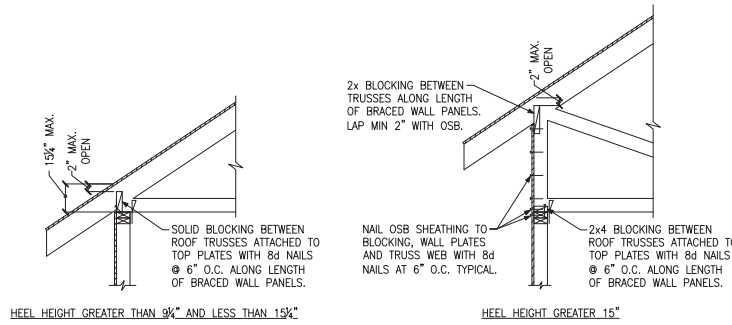
C METHOD GB(1) AND GB(2) INTERSECTION DETAILS

BRACED WALL INTERSECTIONS MAY BE FRAMED USING EITHER THE 3-STUD OR THE T-PLATE METHOD.



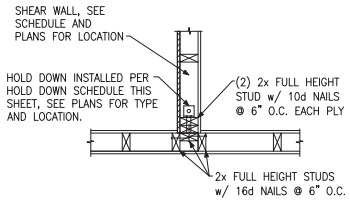
D TYPICAL EXTERIOR CORNER WALL FRAMING

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.

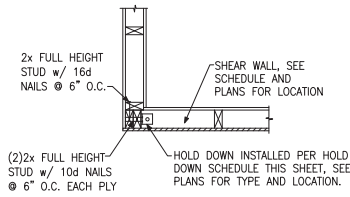


E ROOF TRUSS BEARING/BLOCKING AT BRACED WALL PANELS
ONLY REQUIRED AT BRACED WALL PANELS

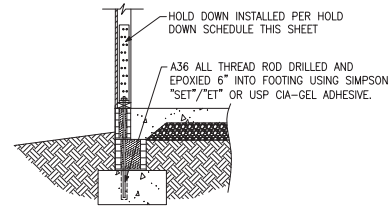




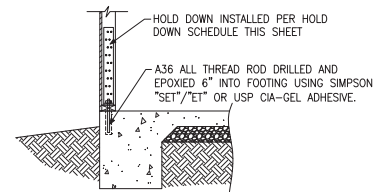
(A) TYPICAL HOLD DOWN DETAIL



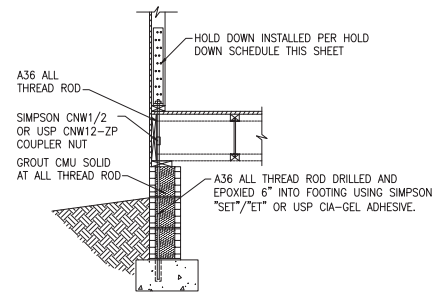
(B) TYPICAL HOLD DOWN DETAIL



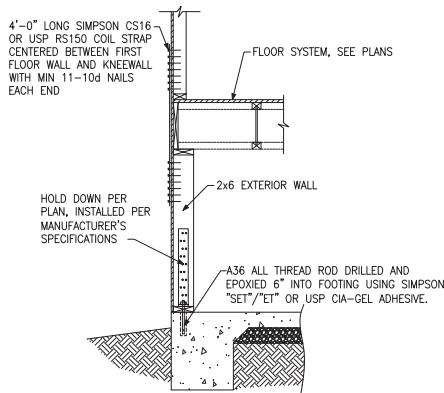
(C) HOLD DOWN AT STEMWALL SLAB



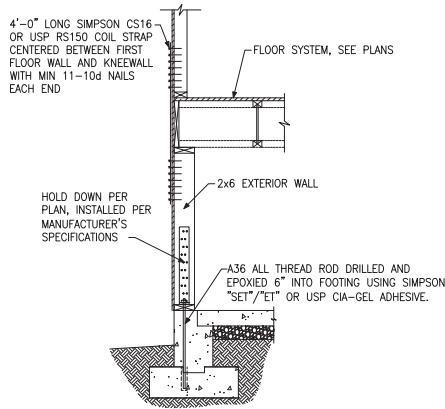
(D) HOLD DOWN AT MONOLITHIC SLAB



(E) HOLD DOWN AT CRAWL FOUNDATION



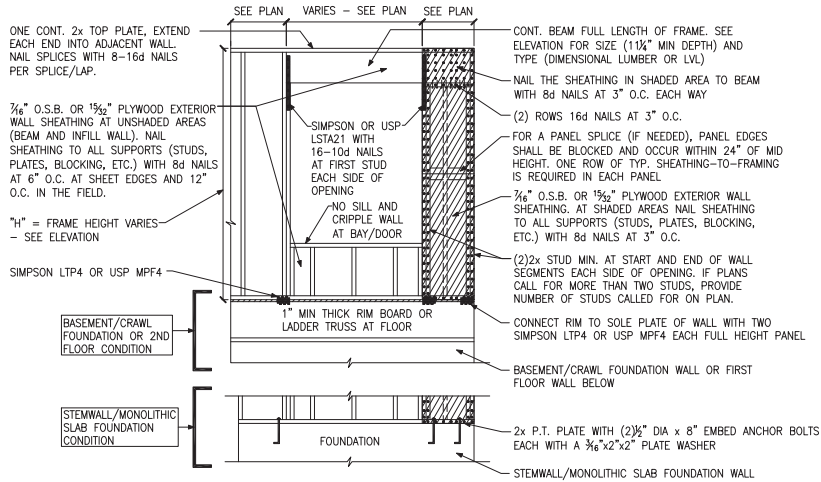
(F) HOLD DOWN AT FOUNDATION MONOLITHIC TURN-DOWN



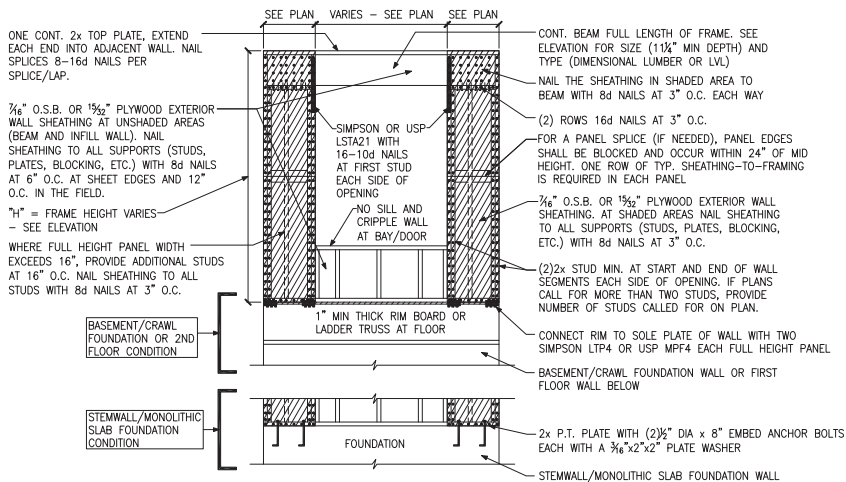
(G) HOLD DOWN AT FOUNDATION STEM WALL

HOLD DOWN SCHEDULE			
HOLD DOWN		ALL TREAD ROD	FASTENERS
SIMPSON	USP		
LTP2	LTS20B	1/2" DIA.	(10)10d NAILS
HTT4	HTT16	3/8" DIA.	(18)16dx2 1/2" LONG NAILS
HTT5	HTT45	3/8" DIA.	(26)16dx2 1/2" LONG NAILS

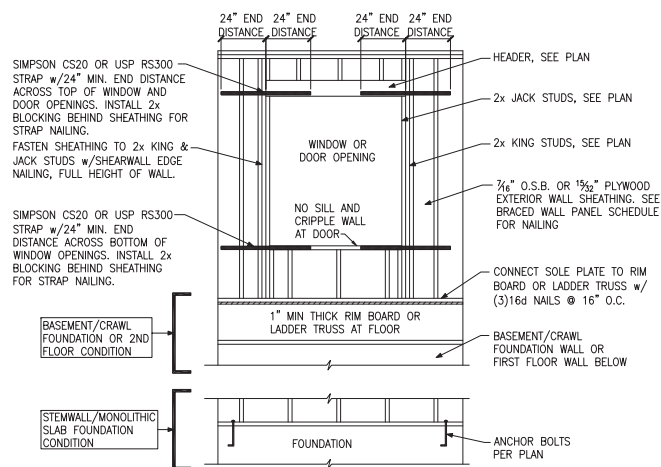




A METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION
ONE BRACED WALL SEGMENT



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:

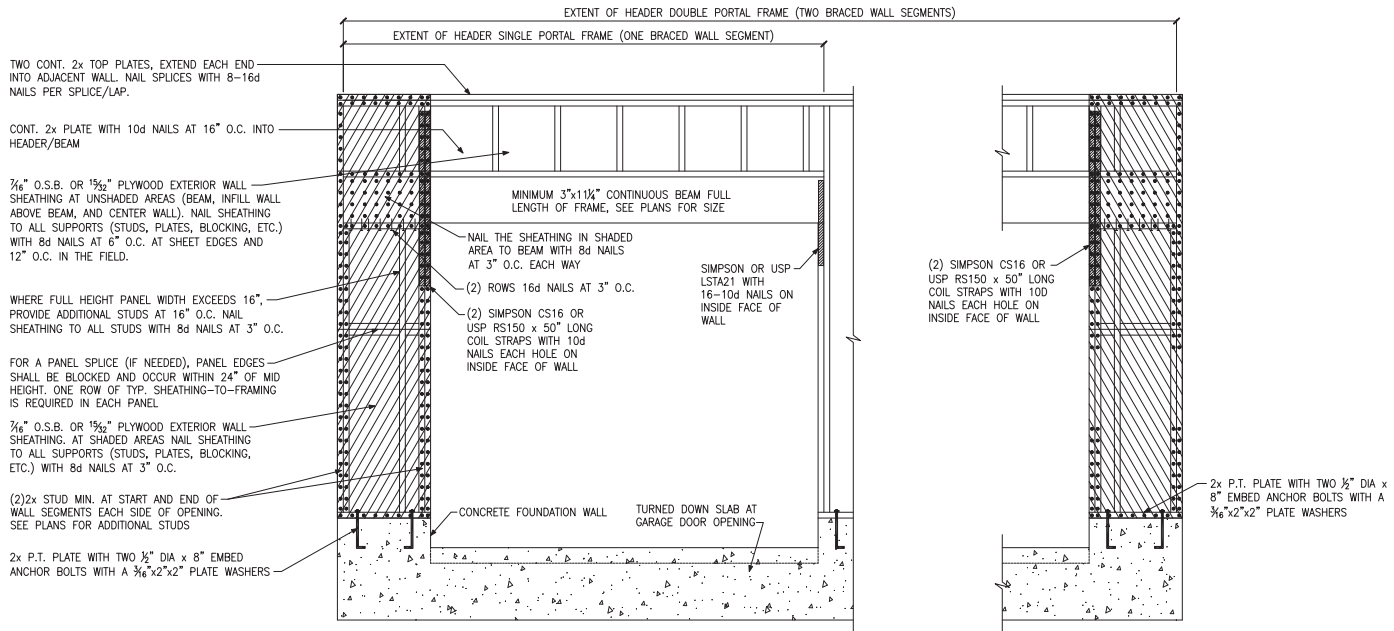
- ALL BRACED WALL PANELS, EXCEPT GB(1) & GB(2), SHALL HAVE 2x BLOCKING BETWEEN WALL STUDS AT ALL HORIZONTAL SHEET EDGES.
- PROVIDE NAILING/BLOCKING ABOVE AND BELOW ALL BRACED WALL PANELS PER KSE BRACED WALL DETAILS.
- SHATH ALL EXTERIOR WALLS OF THE HOUSE WITH 3/8" O.S.B., OR 1/2" PLYWOOD, FASTENED PER 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.



Braced Wall Notes & Details
Serenity, Lot #12
B330 Ransdall Model
115 M.P.H.
Raleigh, North Carolina

Project #: 047-20010
Designed By: JPS
Checked By:
Issue Date: 4/28/23
Re-Issue:
Scale: 1/8"=1'-0" @ 11x17
1/4"=1'-0" @ 22x34





TWO CONT. 2x TOP PLATES, EXTEND EACH END INTO ADJACENT WALL. NAIL SPLICES WITH 8-16d NAILS PER SPLICE/LAP.

CONT. 2x PLATE WITH 10d NAILS AT 16\"/>

3/4\"/>

WHERE FULL HEIGHT PANEL WIDTH EXCEEDS 16\"/>

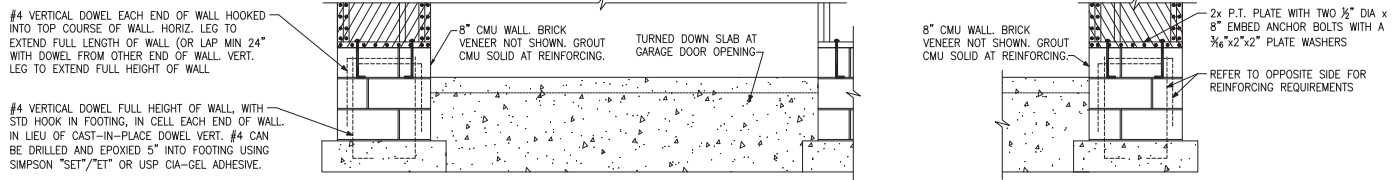
FOR A PANEL SPLICE (IF NEEDED), PANEL EDGES SHALL BE BLOCKED AND OCCUR WITHIN 24\"/>

3/4\"/>

(2)2x STUD MIN. AT START AND END OF WALL SEGMENTS EACH SIDE OF OPENING. SEE PLANS FOR ADDITIONAL STUDS

2x P.T. PLATE WITH TWO 1/2\"/>

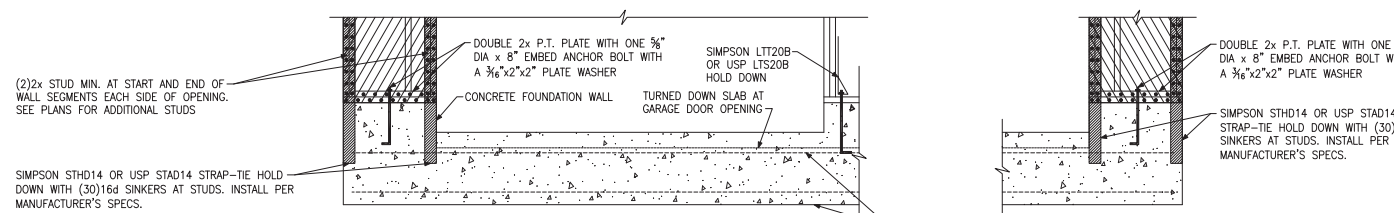
(A) METHOD CS-PF: CONTINUOUS PORTAL FRAME PANEL CONSTRUCTION
MONOLITHIC SLAB OR BASEMENT FOUNDATION



#4 VERTICAL DOWEL EACH END OF WALL HOOKED INTO TOP COURSE OF WALL. HORIZ. LEG TO EXTEND FULL LENGTH OF WALL (OR LAP MIN 24\"/>

#4 VERTICAL DOWEL FULL HEIGHT OF WALL, WITH STD HOOK IN FOOTING, IN CELL EACH END OF WALL. IN LIEU OF CAST-IN-PLACE DOWEL VERT. #4 CAN BE DRILLED AND EPOXIED 5\"/>

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



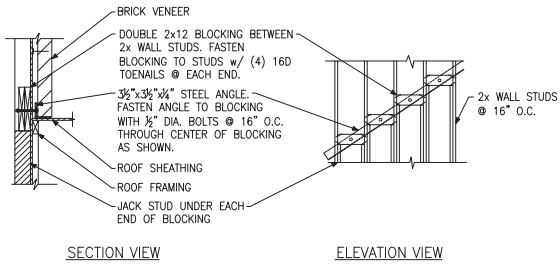
(2)2x STUD MIN. AT START AND END OF WALL SEGMENTS EACH SIDE OF OPENING. SEE PLANS FOR ADDITIONAL STUDS

SIMPSON STD14 OR USP STAD14 STRAP-TIE HOLD DOWN WITH (30)16d SINKERS AT STUDS. INSTALL PER MANUFACTURER'S SPECS.

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

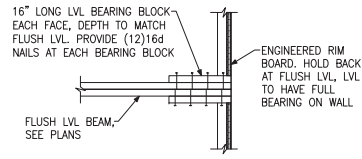
CONTINUOUS #4 HIGH AND LOW. PROVIDE MIN 24\"/>



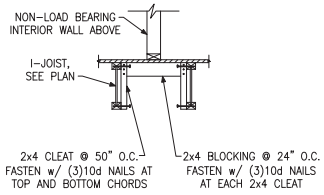


SECTION VIEW ELEVATION VIEW

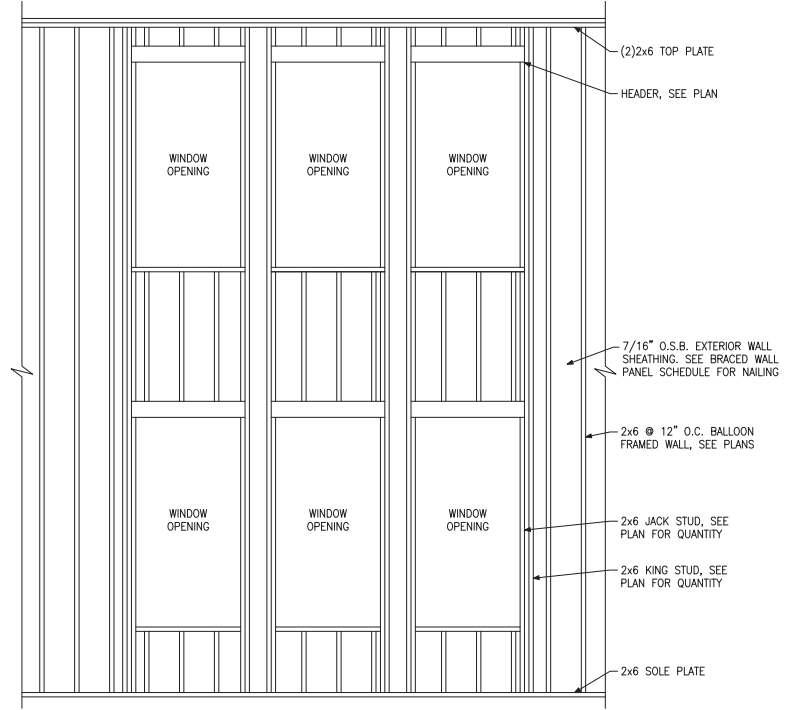
(A) BRICK LEDGER CONNECTION DETAIL



(B) BEARING ENHANCER FLUSH LVL



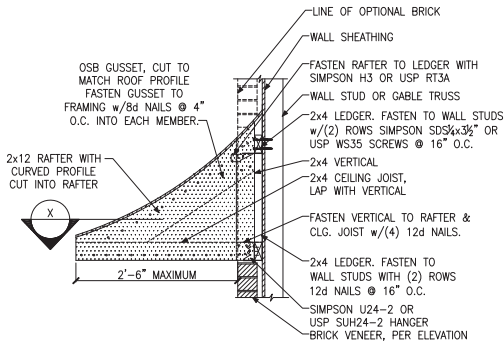
(C) I-JOIST LADDER BLOCKING AS REQUIRED @ PARALLEL WALLS



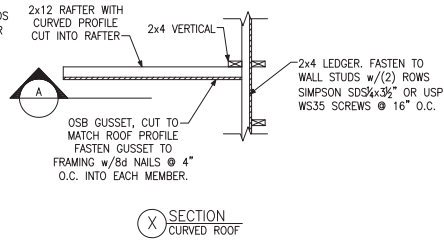
(D) BALLOON FRAMED WALL DETAIL N.T.S.

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"

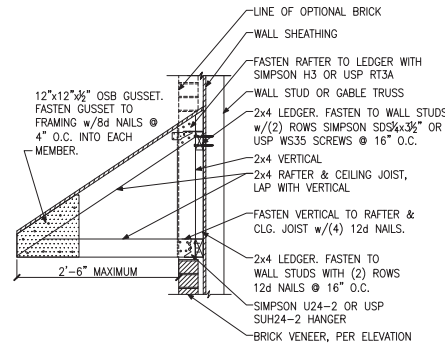




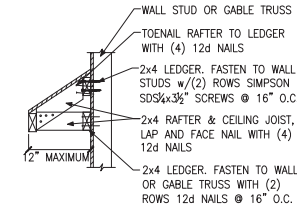
A PENT ROOF DETAIL
CURVED ROOF



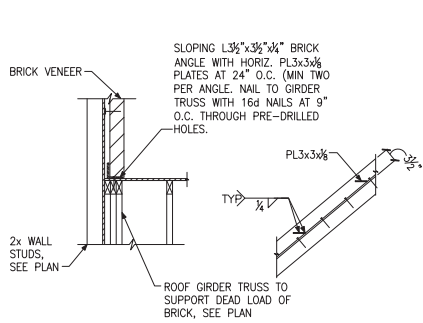
X SECTION
CURVED ROOF



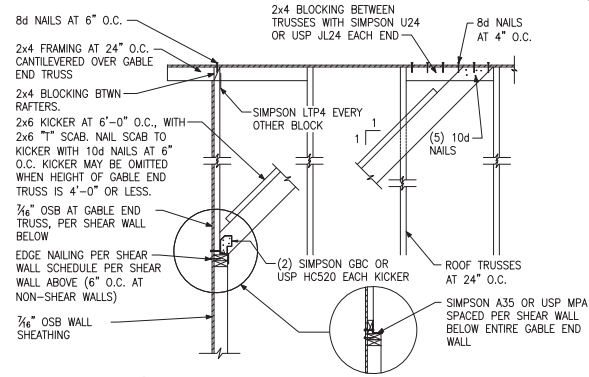
B PENT ROOF DETAIL
STRAIGHT ROOF



C EYEBROW ROOF DETAIL
STRAIGHT ROOF



D TRUSS DETAIL



E GABLE END WALL DETAIL

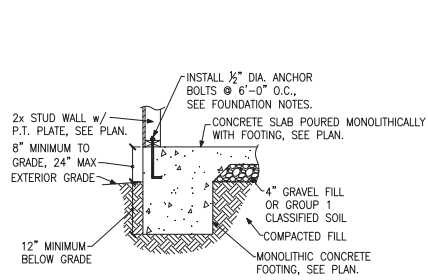


David Weekley Homes
Raleigh, NC

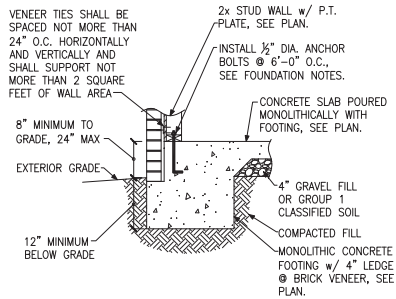
Miscellaneous Framing Details
Serenity, Lot #12
B330 Ransdall Model
115 M.P.H.
Raleigh, North Carolina

Project #: 047-20010
Designed By: JPS
Checked By:
Issue Date: 4/28/23
Re-Issue:
Scale: 1/8"=1'-0" @ 11x17
1/4"=1'-0" @ 22x34

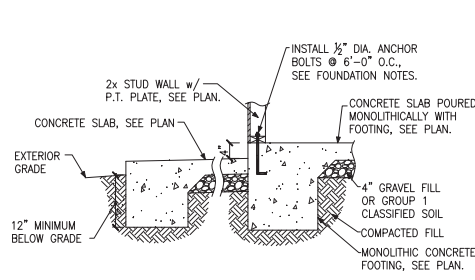




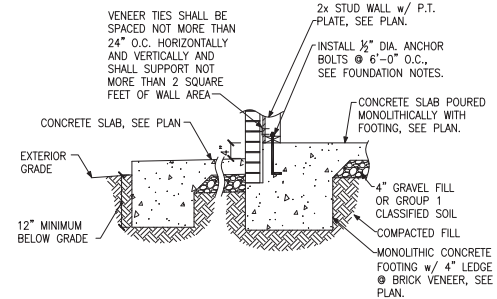
A FOUNDATION SECTION
EXTERIOR WALL



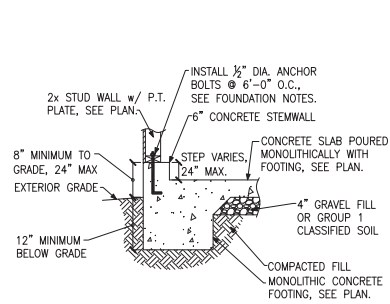
B FOUNDATION SECTION
EXTERIOR WALL @ BRICK VENEER



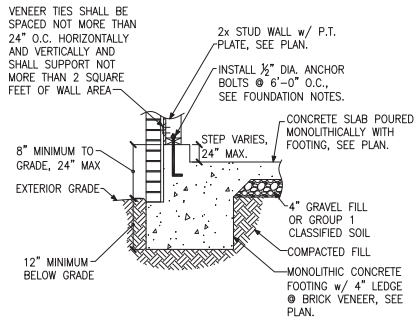
C FOUNDATION SECTION
EXTERIOR WALL AT PORCH



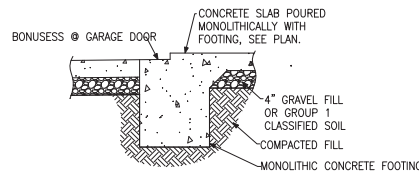
D FOUNDATION SECTION
EXTERIOR WALL AT PORCH w/ BRICK VENEER



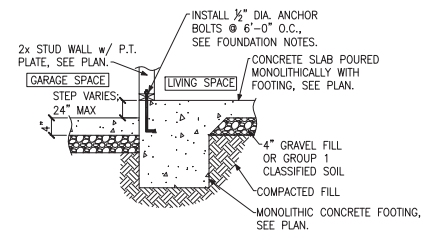
E FOUNDATION SECTION
EXTERIOR GARAGE WALL



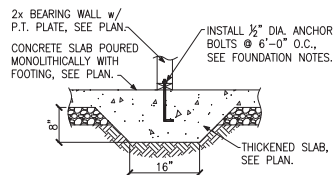
F FOUNDATION SECTION
EXTERIOR GARAGE WALL @ BRICK VENEER



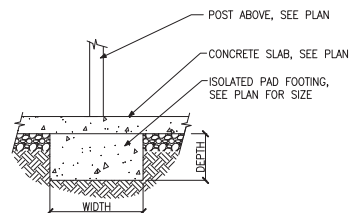
G GARAGE DOOR SECTION
GARAGE DOOR



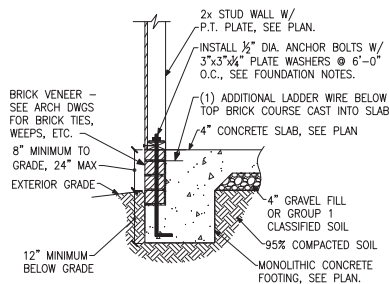
H THICKENED SLAB
AT GARAGE



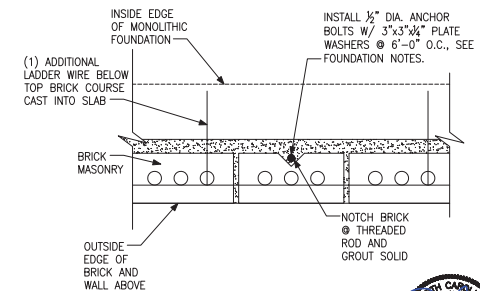
J THICKENED SLAB SECTION
INTERIOR BEARING WALL



K ISOLATED PAD FOOTING
INTERIOR COLUMN

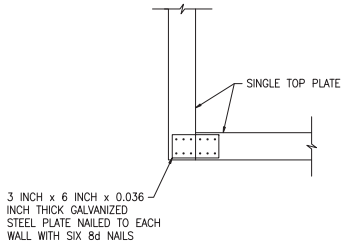


L FOUNDATION SECTION
ALTERNATE EXTERIOR WALL

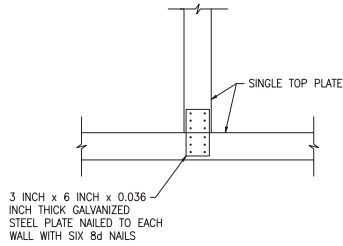


M FOUNDATION SECTION
ALTERNATE EXTERIOR WALL

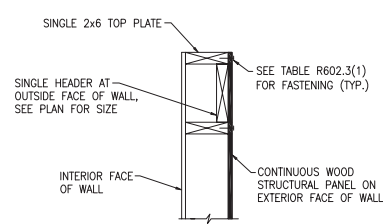




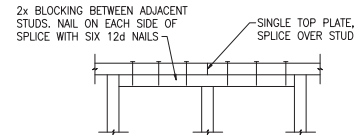
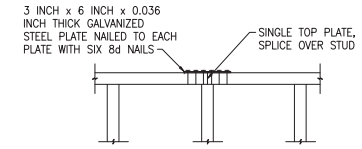
A SINGLE TOP PLATE SPLICE WALL INTERSECTION



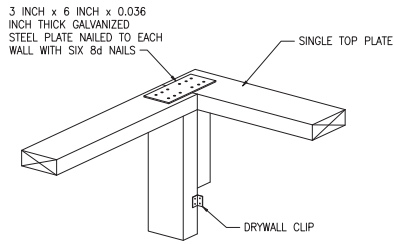
B SINGLE TOP PLATE SPLICE WALL INTERSECTION



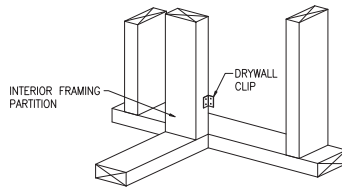
C SINGLE LOAD BEARING HEADER EXTERIOR WALL



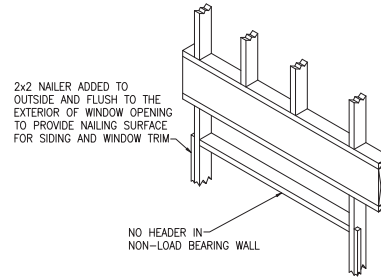
D SINGLE TOP PLATE SPLICE INTERIOR OR EXTERIOR WALL



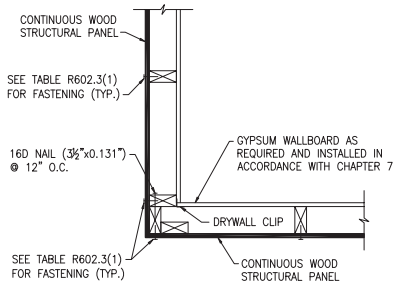
E SINGLE TOP PLATE SPLICE WALL INTERSECTION



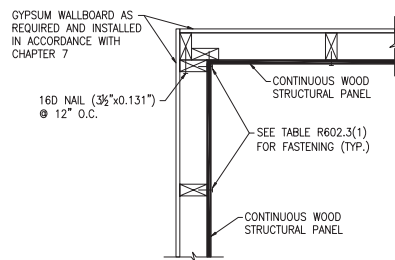
F SINGLE TOP PLATE SPLICE WALL INTERSECTION



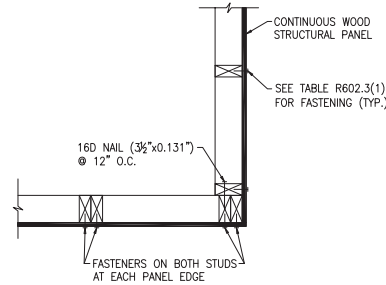
G NON-LOAD BEARING HEADER EXTERIOR WALL



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.

