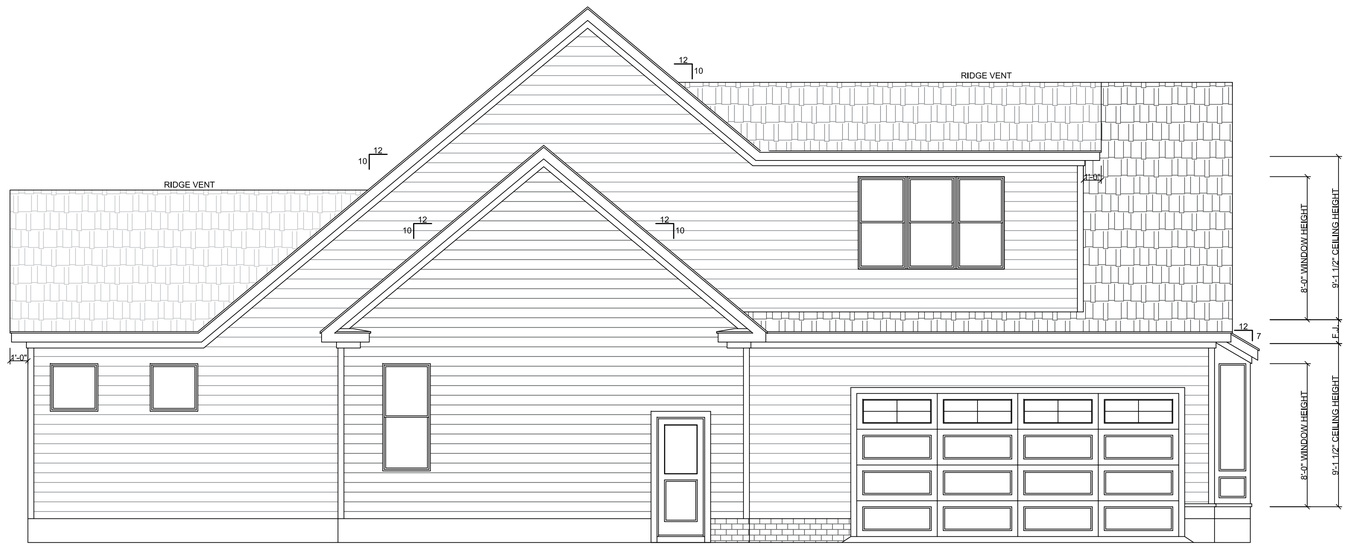
FRONT ELEVATION

SCALE = $\frac{1}{4}$" = 1'-0"

ROOFING NOTE: ADD SNOW AND ICE SHIELD BENEATH ROOF PITCHES THAT ARE LESS THAN $\frac{4}{12}$

ROOFING NOTE PER 2018 NC BUILDING CODE R905.2: TWO LAYERS OF UNDERLAYMENT MUST BE APPLIED TO ROOF PITCHES THAT ARE LESS THAN $\frac{4}{12}$



LEFT ELEVATION

SCALE = $\frac{1}{4}$" = 1'-0"

HOMES BY DICKERSON
2841 PLAZA PLACE, SUITE 210
RALEIGH, NC 27612
919.847.4447

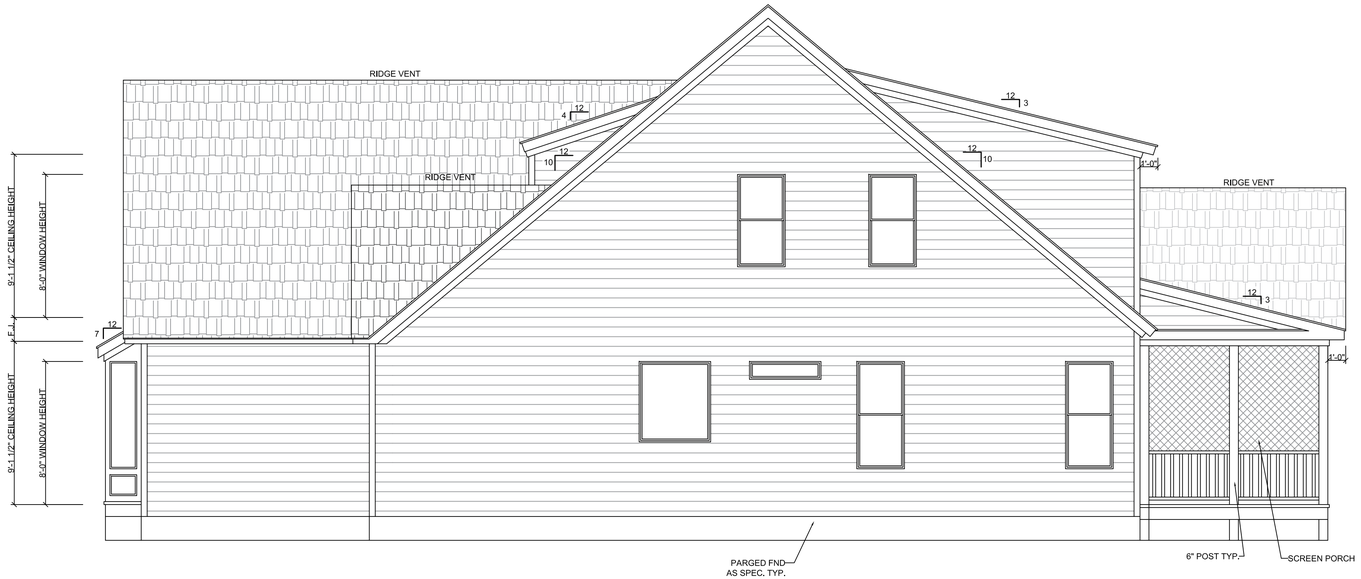
ORIGINAL CONCEPT BY
JEFF WILLIAMS
REGISTERED ARCHITECT

THE BRIGHTON CLASSIC COTTAGE

DRAWN BY **CM**
12/13/2024
REVISION DATE

SHEET NO.
1

ELEVATIONS



RIGHT ELEVATION

SCALE = $\frac{1}{4}$" = 1'-0"

REAR ELEVATION

SCALE = $\frac{1}{4}$" = 1'-0"

HOMES BY DICKERSON
2841 PLAZA PLACE, SUITE 210
RALEIGH, NC 27612
919.847.4447

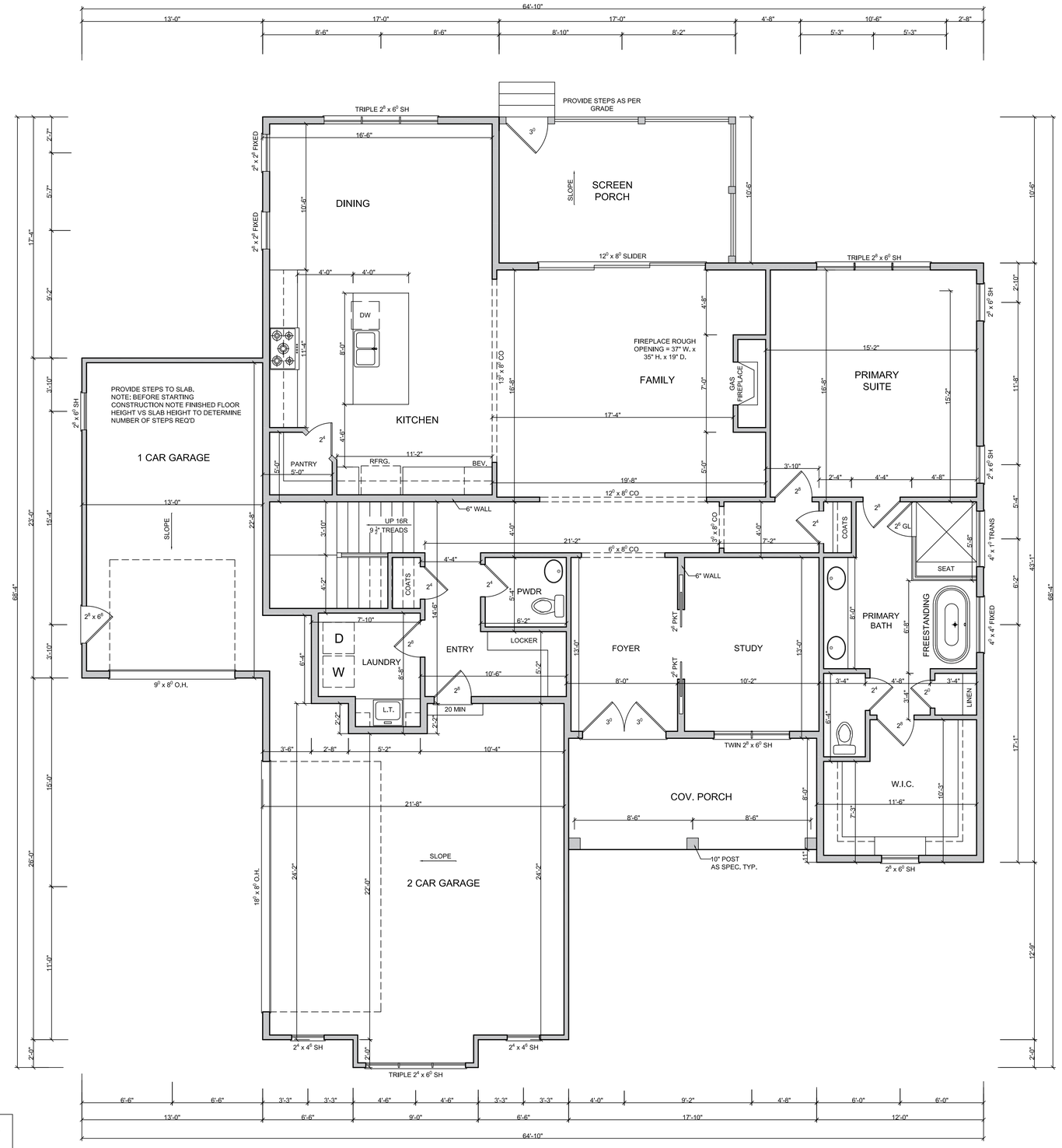
ORIGINAL CONCEPT BY
JEFF WILLIAMS
REGISTERED ARCHITECT

THE BRIGHTON CLASSIC COTTAGE

DRAWN BY **CM**
12/13/2024
REVISION DATE

SHEET NO.
2

ELEVATIONS



FIRST FLOOR PLAN
10'-0" CEILING HGT.
SET WINDOWS @ 8'-0" A.F.F.
SCALE= $\frac{1}{4}$" = 1'-0"

AREA CALCULATIONS

HEATED (SQ.FT.)		UNHEATED (SQ.FT.)	
BASEMENT	N/A	GARAGE	858
1ST FLOOR	1992	PORCH	140
SECOND FLOOR	1521	SCREEN	179
		STOR.	332
TOTAL	3513	TOTAL	1509

NOTES

- PLANS DESIGNED UNDER 2018 NORTH CAROLINA RESIDENTIAL CODE.
- ALL ANGLED WALLS ARE 45° UNLESS NOTED OTHERWISE.
- FINISH DOOR AND WINDOW HEADS SHALL ALIGN EXCEPT AS NOTED.
- ALL MATERIALS AND COMPONENTS MUST BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- GRADES SHOWN ARE ILLUSTRATIVE, NATURAL GRADE WILL DETERMINE FINISH GRADE.
- FLOOR PLAN NOTATIONS GOVERN OVER ELEVATION SCALE.
- VERIFY ALL WINDOW SIZES, RADIUS AND DETAILS WITH CHOSEN MANUFACTURER.
- ALL HABITABLE ROOMS SHALL MEET LIGHT/VENTILATION & EGRESS REQUIREMENTS.
- TEMPERED GLASS TO BE USED AT ALL SAFETY REQUIRED LOCATIONS.
- ALL WINDOW GLAZING TO HAVE 0.35 U-FACTOR MIN.
- ALL CABINET DESIGNS/LAYOUTS TO BE VERIFIED WITH SHOP DRAWINGS FROM CABINET MANUFACTURER.
- PER 2018 N.C. RESIDENTIAL BUILDING CODE TABLE R302.6: SHEETROCK ON GARAGE CEILING TO BE $\frac{5}{8}$" TYPE "X".

HOMES BY DICKERSON
2841 PLAZA PLACE, SUITE 210
RALEIGH, NC 27612
919.847.4447

ORIGINAL CONCEPT BY
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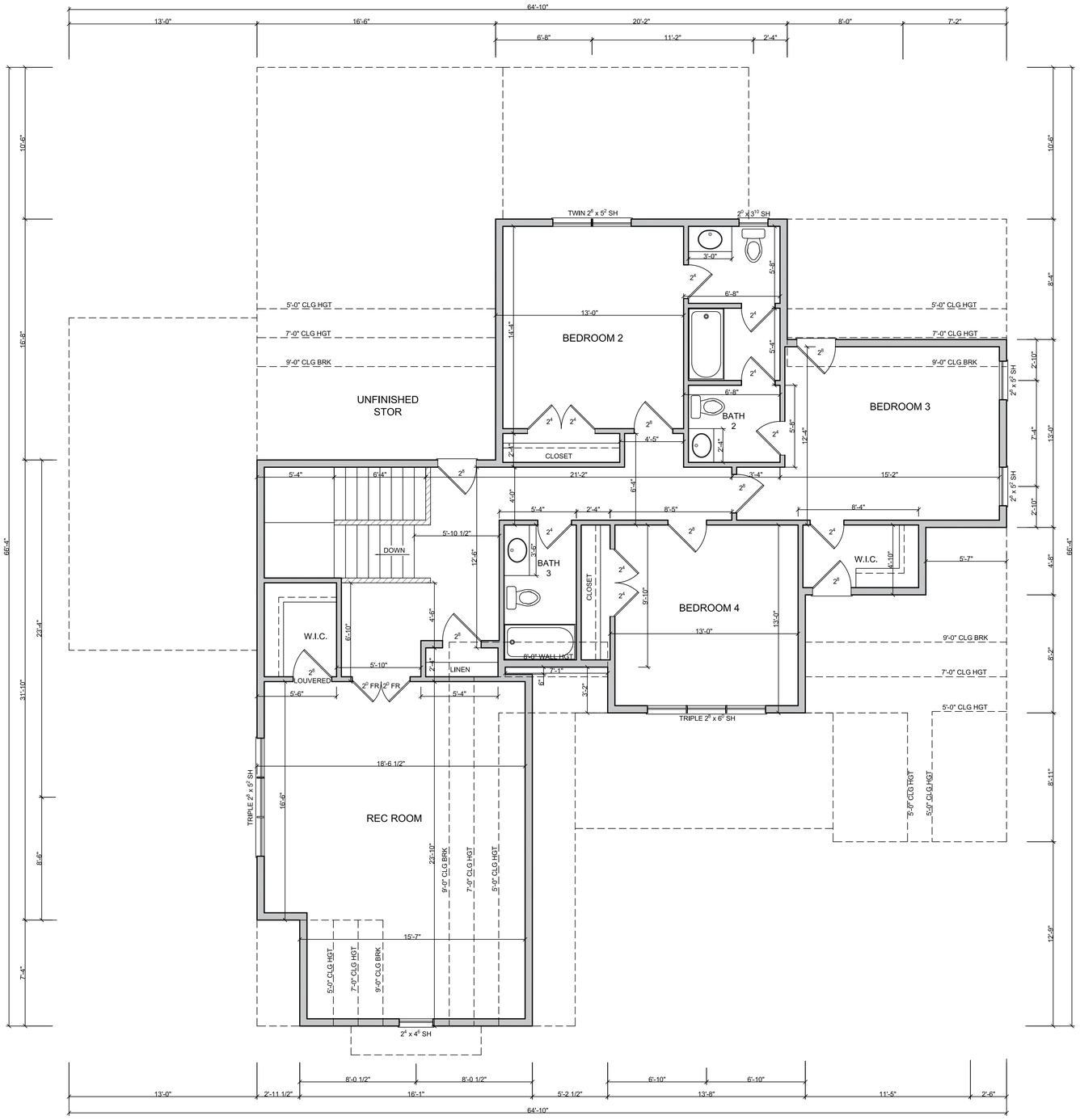
REGISTERED ARCHITECT

THE BRIGHTON CLASSIC COTTAGE

DRAWN BY **CM**
12/13/2024
REVISION DATE

SHEET NO.
3

FLOOR PLAN



SECOND FLOOR PLAN
9'-0" CEILING HGT.
SET WINDOWS @ 8'-0" A.F.F.
SCALE= $\frac{1}{4}$" = 1'-0"

HOMES BY DICKERSON
2841 PLAZA PLACE, SUITE 210
RALEIGH, NC 27612
919.847.4447

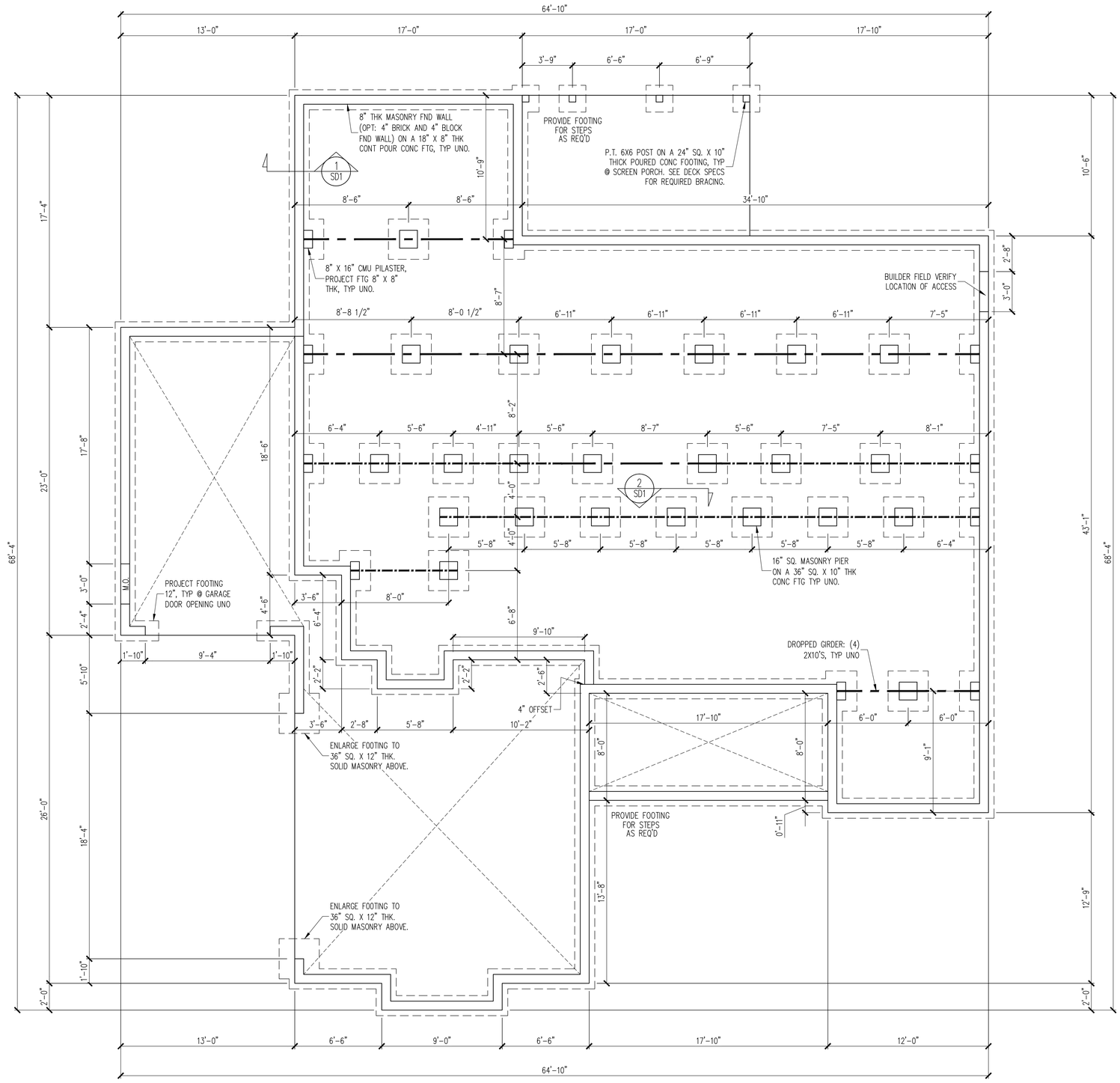
ORIGINAL CONCEPT BY
JEFF WILLIAMS
REGISTERED ARCHITECT

THE BRIGHTON CLASSIC COTTAGE

DRAWN BY **CM**
12/13/2024
REVISION DATE

SHEET NO.
4

FLOOR PLAN



FOUNDATION PLAN

1/4" = 1'-0"

PLAN DESIGNED UNDER 2018 NORTH CAROLINA RESIDENTIAL CODE

NOTES:
- HEIGHT AND BACKFILL LIMITATIONS FOR FOUNDATION WALLS ARE TO BE GOVERNED BY THE NCSBC, LATEST EDITION. REINFORCEMENT AND GROUTING SHALL BE DETERMINED BY FINAL SITE CONDITIONS.
- BUILDER TO FIELD LOCATE CRAWLSPACE ACCESS OPENING WITH MINIMUM DIMENSIONS OF 18X24. DO NOT LOCATE ACCESS OPENING BELOW POINT LOADS FROM ABOVE WITHOUT ENGINEER APPROVAL.

CONSTRUCTION SPECIFICATIONS

INSTANT REFERENCES

REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:

PART 1.01: CURRENT GOVERNING CODE

PART 14: STUD SUPPORT FOR BEAMS

PART 16.02: GENERAL WALL BRACING NOTES

PART 17: KING STUDS FOR EXTERIOR WALLS

SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 054410 TYLER R. BLOCK 7/9/2025

Engineering Tech ASSOCIATES, P.A.
STRUCTURAL ENGINEERS
License No. C-3870
318 W Millbrook Rd. Unit 201
Raleigh, North Carolina 27609
Phone (919) 844-1661

REV #	REF PROJ #	DATE

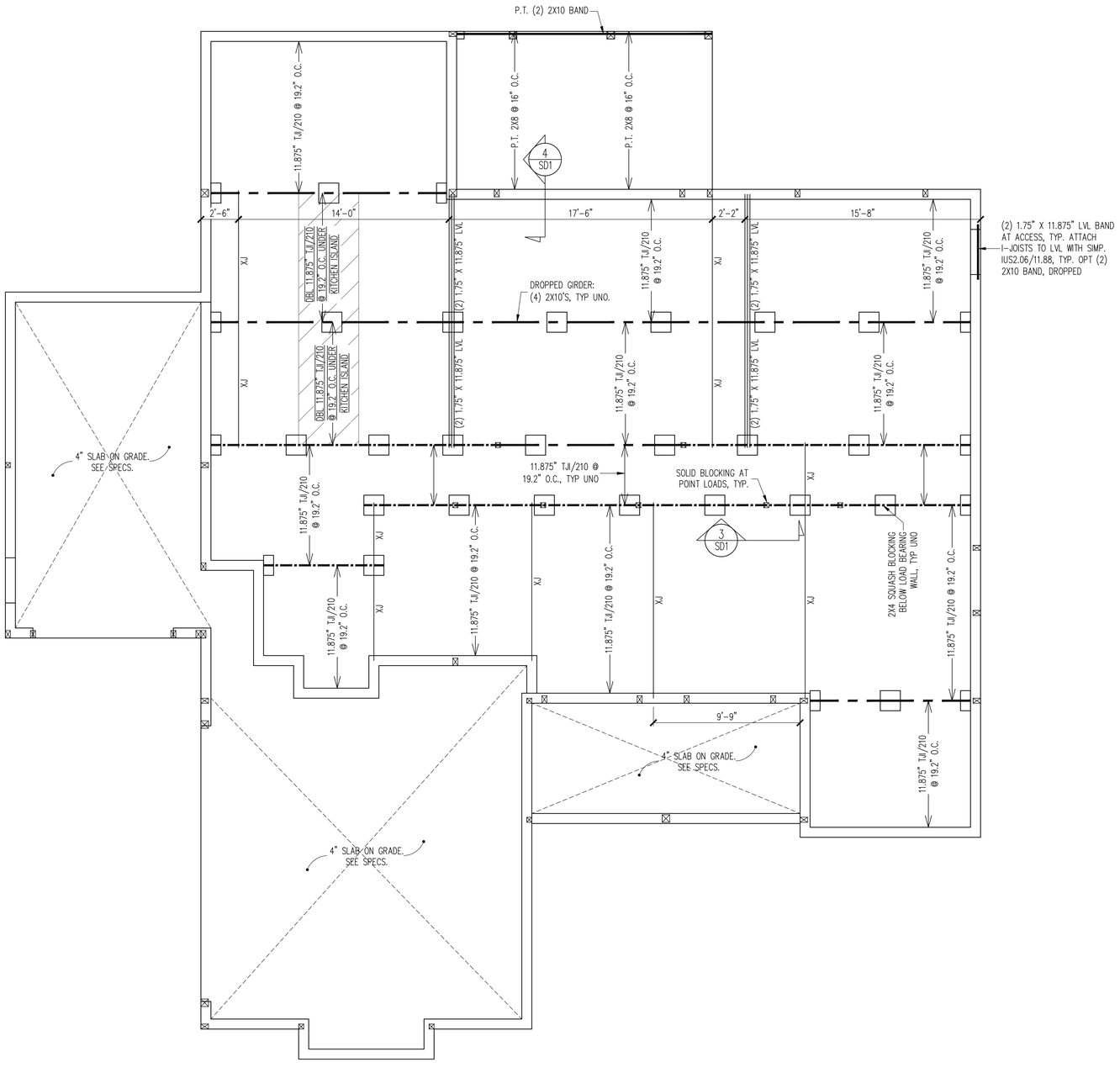
HOMES BY DICKERSON
STRUCTURAL ADDENDUM
SCOPE:
LOC: 1 PINEHURST

ENG: TRB/MEB
DATE: 7/9/2025

PLAN
BRIGHTON

PROJECT NO.
25-27-081

SHEET NO.
S1
1 of 7



TRUSS SUBSTITUTION

11.875" I-JOISTS PERMITTED TO BE SUBSTITUTED WITH 12" FLOOR TRUSSES.

MAINTAIN MINIMUM SPACING AS CALLED OUT ON PLANS.

SIMP. IUS/ITS2.06 HANGERS TO BE SUBSTITUTED WITH SIMP. IUS/ITS3.56 HANGER WHEN FLOOR TRUSSES HAVE BEEN INSTALLED.

GIRDER LEGEND

ALL GIRDERS (4) 2X10'S, TYP UNO. BOLTING NOT REQUIRED FOR DROPPED GIRDERS.

I-JOIST SQUASH BLOCKING REQUIRED

NOT REQUIRED

CRAWL SPACE FRAMING

1/4" = 1'-0"

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 054410 TYLER R. BLAKE 7/9/2025

Engineering Tech ASSOCIATES, P.A.
STRUCTURAL ENGINEERS
License No. C-3870
318 W Millbrook Rd. Unit 201
Raleigh, North Carolina 27609
Phone (919) 844-1661

REV #	REF PROJ #	DATE

HOMES BY DICKERSON
SCOPE: STRUCTURAL ADDENDUM
LOC: 1 PINEHURST

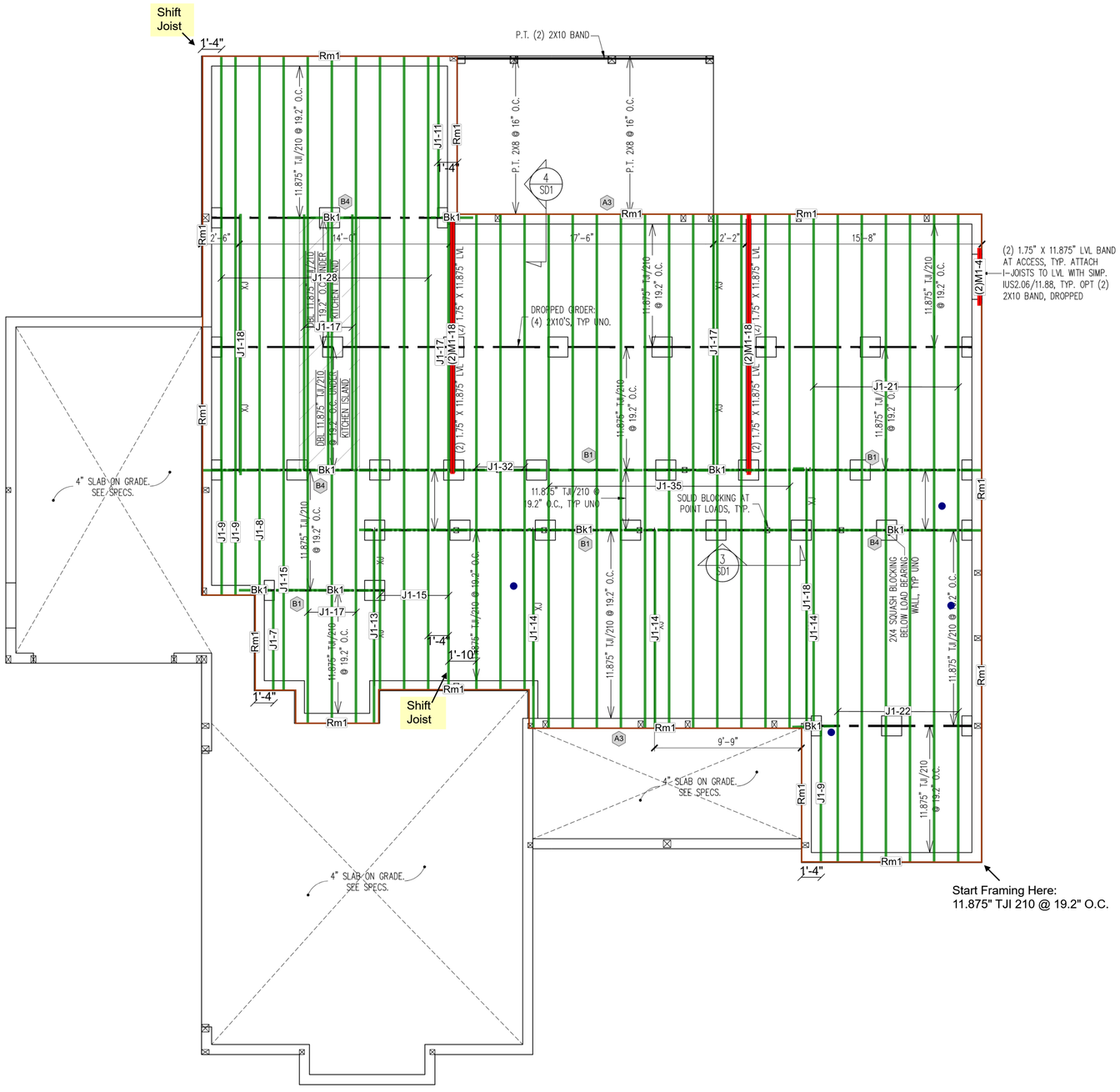
ENG: TRB/MEB
DATE: 7/9/2025

PLAN
BRIGHTON

PROJECT NO.
25-27-081

SHEET NO.
S2
2 of 7

Tag	Qty	Product	Len	Cut Logic
Floor Joist				
J1	11	2-1/16"x11-7/8" TJI® 210	36'	11x(1/35)
J1	3	2-1/16"x11-7/8" TJI® 210	32'	3x(1/32)
J1	10	2-1/16"x11-7/8" TJI® 210	28'	10x(1/28)
J1	13	2-1/16"x11-7/8" TJI® 210	22'	6x(1/22) 7x(1/21)
J1	11	2-1/16"x11-7/8" TJI® 210	18'	2x(1/18) 1x(2/9) 8x (1/17)
J1	6	2-1/16"x11-7/8" TJI® 210	16'	1x(1/7 1/9) 5x(1/15)
J1	4	2-1/16"x11-7/8" TJI® 210	14'	3x(1/14) 1x(1/13)
J1	1	2-1/16"x11-7/8" TJI® 210	12'	1x(1/11)
J1	1	2-1/16"x11-7/8" TJI® 210	8'	1x(1/8)
Floor Joist Blocking				
Bk1	110	2-1/16"x11-7/8" TJI® 210	R/L	
Beam				
M1	4	1-3/4"x11-7/8" Microllam® LVL	18'	4x(1/18)
M1	2	1-3/4"x11-7/8" Microllam® LVL	4'	2x(1/4)
Rim				
Rm1	14	1-1/8"x11-7/8" TJ® Rim Board	16'	14/16

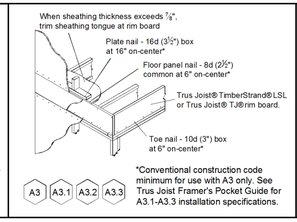


GENERAL NOTES:

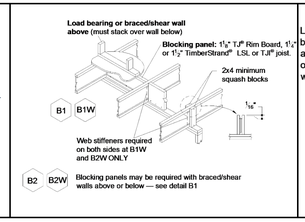
- Joists may be shifted up to 3" from on center spacing to avoid hanger interference, flush beams and/or plumbing drops. **DO NOT CUT JOIST FLANGES**.
- All EWP beams have been designed assuming full width support of the members/plies, unless noted otherwise.
- This drawing may contain deviations from the original project documents. It is the responsibility of the contractor to notify the project Design Professional of these deviations to verify conformance with the original design intent of the project.

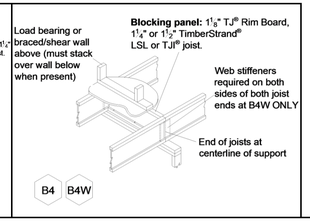
GENERAL NOTES:

- This layout is intended for the use of TrusJoist engineered wood products only. The substitution of other wood products with this layout is NOT PERMITTED. Please identify the TJI®, TimberStrand® LSL, Microllam® LVL and Parallam® PSL stamps on the product to ensure that this layout is valid for the products actually installed.
- Only header openings and roof loads which affect Weyerhaeuser product sizes have been denoted on this layout. In addition to and 'CS' detail callouts shown, solid blocking and/or squash blocks are required to provide vertical load transfer from all concentrated load locations to foundation below. See Pocket Framers Guide for appropriate detail(s)



*Conventional construction code minimum for use with A3 only. See Trus Joist Framer's Pocket Guide for A3.1-A3.3 installation specifications.



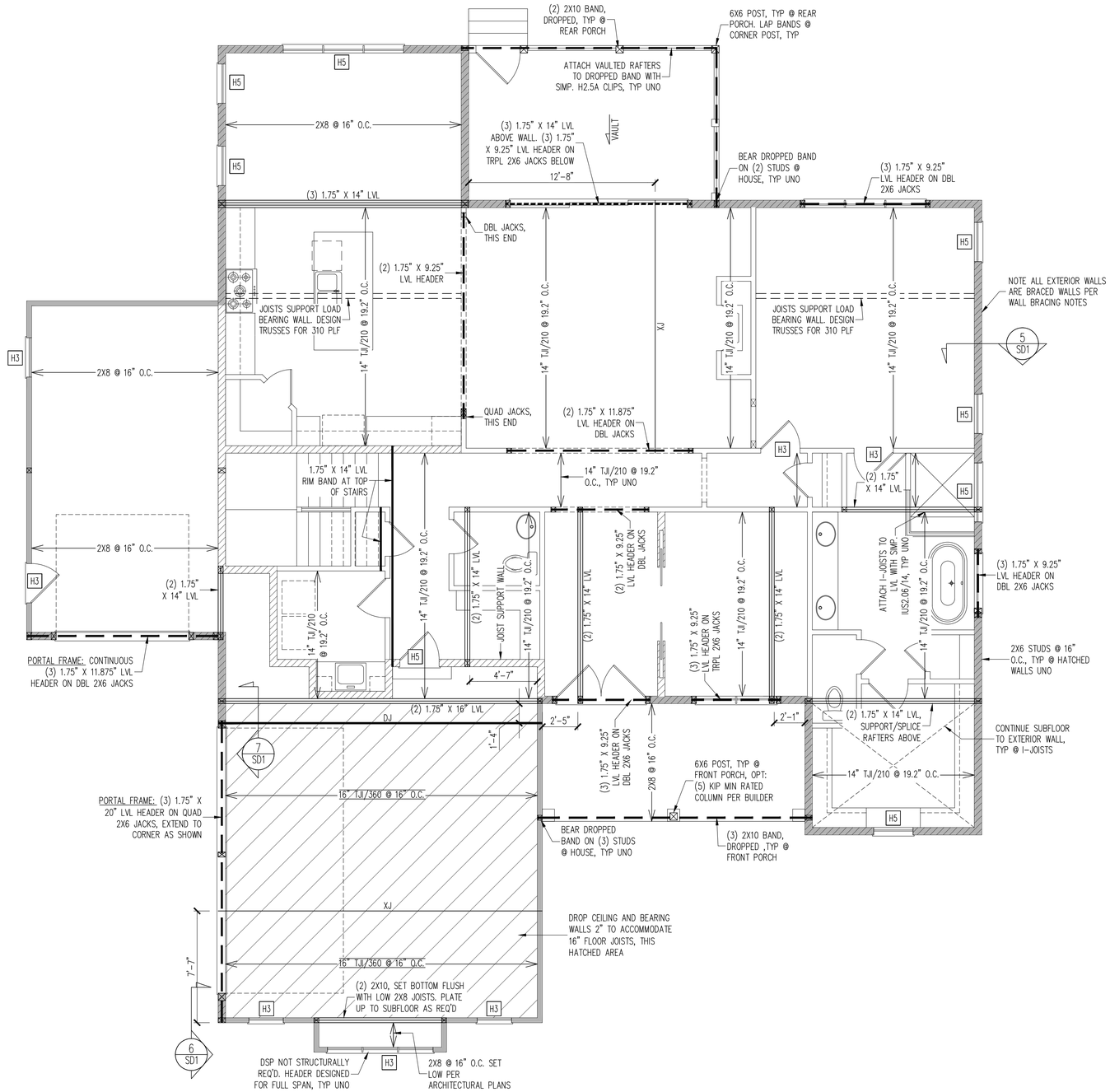


Homes By Dickerson
Lot 1 Pinehurst

1st Floor Layout

These joist placement layouts have been prepared for the specification of Trus Joist products based on project information provided. This service is solely intended for product application assistance, and is not intended to convey structural design. A design professional as determined by the building codes. The designer of record and/or builder/framer is responsible to assure these drawings are compatible with the overall project.

Architectural Date: **12/13/2024**
Structural Date: **7/9/2025**
Estimator: **EMP**
Tracking: **JMP7986**



TRUSS SUBSTITUTION

14" I-JOISTS PERMITTED TO BE SUBSTITUTED WITH 14" FLOOR TRUSSES.

16" I-JOISTS PERMITTED TO BE SUBSTITUTED WITH 16" FLOOR TRUSSES.

MAINTAIN MINIMUM SPACING AS CALLED OUT ON PLANS.

SIMP. IUS/ITS2.06 HANGERS TO BE SUBSTITUTED WITH SIMP. IUS/ITS3.56 HANGER WHEN FLOOR TRUSSES HAVE BEEN INSTALLED.

WALL BRACING

CS – ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

SHADED WALLS:

NOTES:
-PROVIDED CONTINUOUS SHEATHING = 294' MIN.

HEADER SCHEDULE

H1 SINGLE 2X4 TURNED FLAT (A)

H2 (2) 2X4'S ON SINGLE JACKS (B)

H3 (2) 2X10'S ON SINGLE JACKS (C)

H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS

H5 (3) 2X10'S ON SINGLE JACKS

(A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX.

(B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX.

(C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.

NOTES:
-HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.

1ST FLOOR FRAMING PLAN

WALLS AND CEILING 1/4" = 1'-0"

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 054410 TYLER R. BLOCK 7/9/2025

Engineering Tech ASSOCIATES, P.A.
STRUCTURAL ENGINEERS
License No. C-3870
318 W Millbrook Rd. Unit 201
Raleigh, North Carolina 27609
Phone (919) 844-1661

HOMES BY DICKERSON
SCOPE: STRUCTURAL ADDENDUM
LOC: 1 PINEHURST

REV #	REF PROJ #	DATE

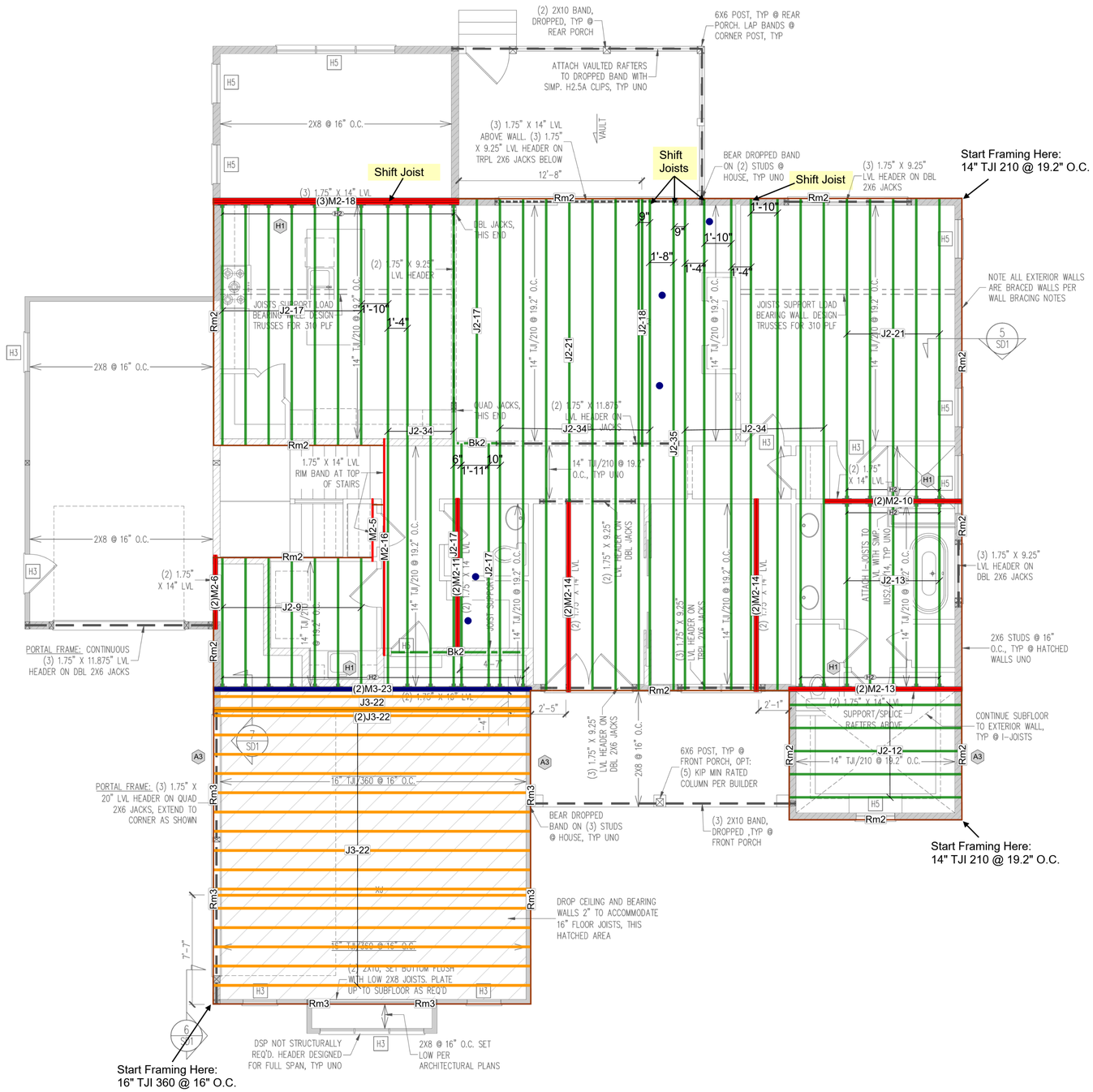
ENG: TRB/MEB
DATE: 7/9/2025

PLAN
BRIGHTON

PROJECT NO.
25-27-081

SHEET NO.
S3
3 of 7

Tag	Qty	Product	Len	Cut Logic
Floor Joist				
J2	1	2-1/16"x14" TJI® 210	36'	1x(1/35)
J2	18	2-1/16"x14" TJI® 210	34'	18x(1/34)
J2	6	2-1/16"x14" TJI® 210	22'	6x(1/21)
J2	14	2-1/16"x14" TJI® 210	18'	1x(1/18) 3x(2/9) 10x(1/17)
J2	5	2-1/16"x14" TJI® 210	14'	5x(1/13)
J2	5	2-1/16"x14" TJI® 210	12'	5x(1/12)
J2	1	2-1/16"x14" TJI® 210	10'	1x(1/9)
J3	19	2-5/16"x16" TJI® 360	22'	19x(1/22)
Floor Joist Blocking				
Bk2	12	2-1/16"x14" TJI® 210	R/L	
Beam				
M2	3	1-3/4"x14" Microllam® LVL	18'	3x(1/18)
M2	2	1-3/4"x14" Microllam® LVL	16'	1x(1/16) 1x(1/5 1/11)
M2	6	1-3/4"x14" Microllam® LVL	14'	4x(1/14) 2x(1/13)
M2	1	1-3/4"x14" Microllam® LVL	12'	1x(1/11)
M2	2	1-3/4"x14" Microllam® LVL	10'	2x(1/10)
M2	2	1-3/4"x14" Microllam® LVL	6'	2x(1/6)
M3	2	1-3/4"x16" Microllam® LVL	24'	2x(1/23)
Rim				
Rm2	11	1-1/8"x14" TJ® Rim Board	16'	11/16
Rm3	5	1-1/8"x16" TJ® Rim Board	16'	5/16
Hanger				
H2	43	IUS2.06/14 Simpson Strong Tie		

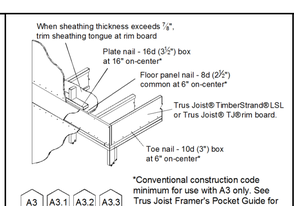


GENERAL NOTES:

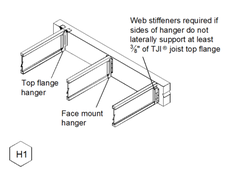
- Joists may be shifted up to 3" from on center spacing to avoid hanger interference, flush beams and/or plumbing drops. **DO NOT CUT JOIST FLANGES**.
- All EWP beams have been designed assuming full width support of the members/plies, unless noted otherwise.
- This drawing may contain deviations from the original project documents. It is the responsibility of the contractor to notify the project Design Professional of these deviations to verify conformance with the original design intent of the project.

GENERAL NOTES:

- This layout is intended for the use of TrusJoist engineered wood products only. The substitution of other wood products with this layout is NOT PERMITTED. Please identify the TJI®, TimberStrand® LSL, Microllam® LVL and Parallam® PSL stamps on the product to ensure that this layout is valid for the products actually installed.
- Only header openings and roof loads which affect Weyerhaeuser product sizes have been denoted on this layout. In addition to and 'CS' detail callouts shown, solid blocking and/or squash blocks are required to provide vertical load transfer from all concentrated load locations to foundation below. See Pocket Framers Guide for appropriate detail(s)



*Conventional construction code minimum for use with A3 only. See Trus Joist Framer's Pocket Guide for A3.1-A3.3 installation specifications.



SDS SERVICE BUILDING SUPPLY

Homes By Dickerson

Lot 1 Pinehurst

2nd Floor Layout

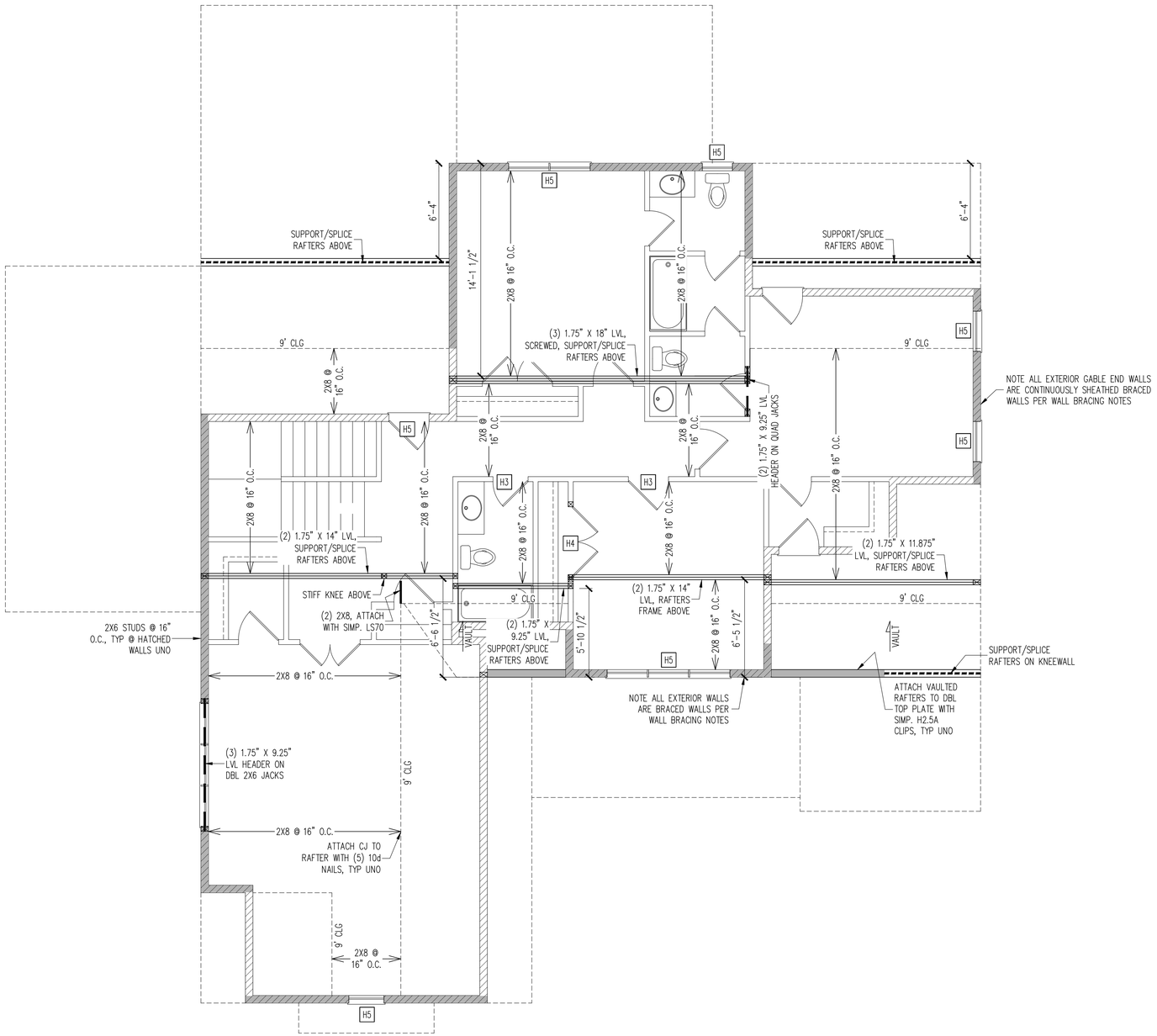
These joist placement layouts have been prepared for the specification of Trus Joist products based on project information provided. This service is solely intended for product application assurance, and is not intended as a structural review. It is the design professional as determined by the building codes. The designer of record and/or builder/framer is responsible to assure these drawings are compatible with the overall project.

Architectural Date: **12/13/2024**

Structural Date: **7/9/2025**

Estimator: **EMP**

Tracking: **JMP7986**



WALL BRACING

CS – ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

SHADED WALLS:

NOTES:
–PROVIDED CONTINUOUS SHEATHING = 139' MIN.

HEADER SCHEDULE

H1 SINGLE 2X4 TURNED FLAT (A)

H2 (2) 2X4'S ON SINGLE JACKS (B)

H3 (2) 2X10'S ON SINGLE JACKS (C)

H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS

H5 (3) 2X10'S ON SINGLE JACKS

(A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX.

(B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX.

(C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO.

NOTES:
–HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.

2ND FLOOR FRAMING PLAN

WALLS AND CEILING 1/4" = 1'-0"

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 054410 TYLER R. BLOCK
Engineering Tech ASSOCIATES, P.A.
STRUCTURAL ENGINEERS
License No. C-3870
318 W Millbrook Rd. Unit 201
Raleigh, North Carolina 27609
Phone (919) 844-1661

HOMES BY DICKERSON
STRUCTURAL ADDENDUM
SCOPE:
LOC: 1 PINEHURST

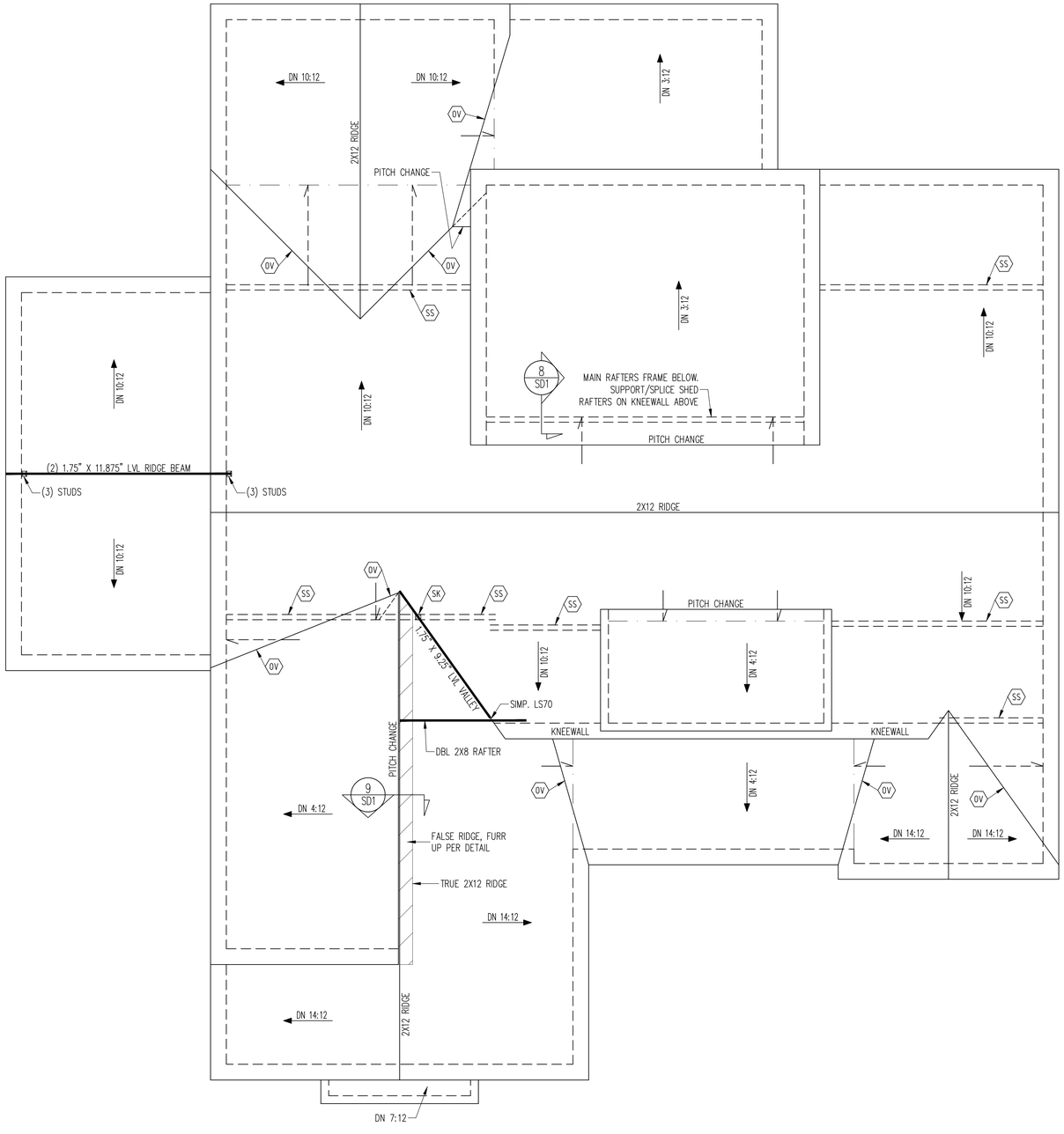
REV #	REF PROJ #	DATE

ENG: TRB/MEB
DATE: 7/9/2025

PLAN
BRIGHTON

PROJECT NO.
25-27-081

SHEET NO.
S4
4 of 7



FRAMING NOTES

ROOF ONLY

- COMMON RAFTERS 2X8 @ 16" O.C. TYP U.N.O.
- COLLAR TIES 2X4 EVERY 3RD SET OF RAFTERS TYP U.N.O.
- VERIFY ROOF PITCHES, OVERHANG LENGTHS, AND KNEEWALL FRAMING HGTS WITH ARCHITECTURAL DRAWINGS, TYPICAL.

FRAMING SCHEDULE

ROOF ONLY

OV	OVERFRAME VALLEY (2X10 SLEEPER)
SK	DBL 2X4 STIFF KNEE
SS	SUPPORT/SPLICE RAFTERS ON KNEEWALL BELOW

ROOF FRAMING PLAN

1/4" = 1'-0"

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 054410 TYLER R. BLOCK

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HOMES BY DICKERSON
STRUCTURAL ADDENDUM
SCOPE:
LOC: 1 PINEHURST

REV #	REF PROJ #	DATE

ENG: TRB/MEB
DATE: 7/9/2025

PLAN
BRIGHTON

PROJECT NO.
25-27-081

SHEET NO.
S5
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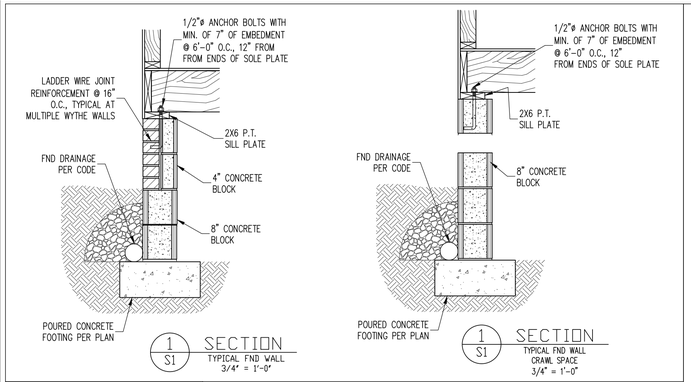

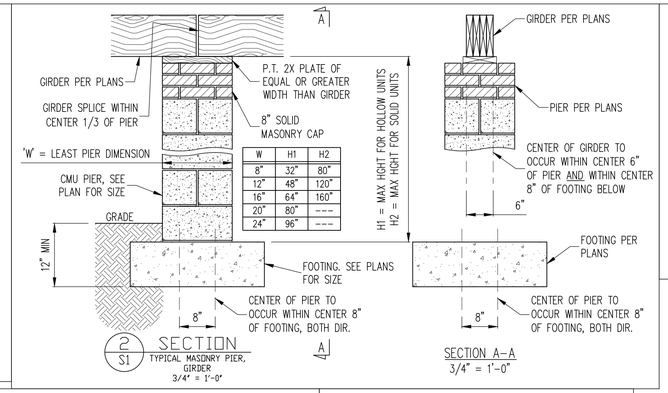

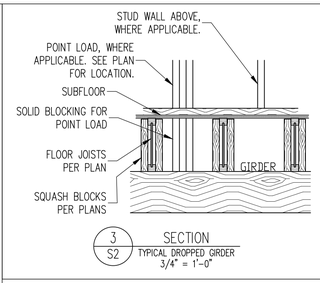

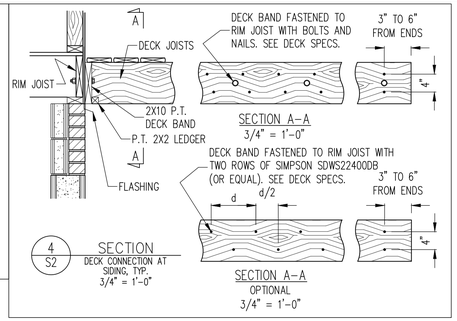

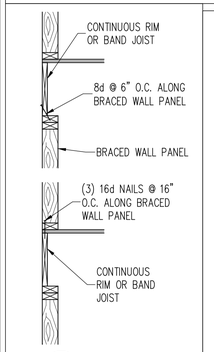

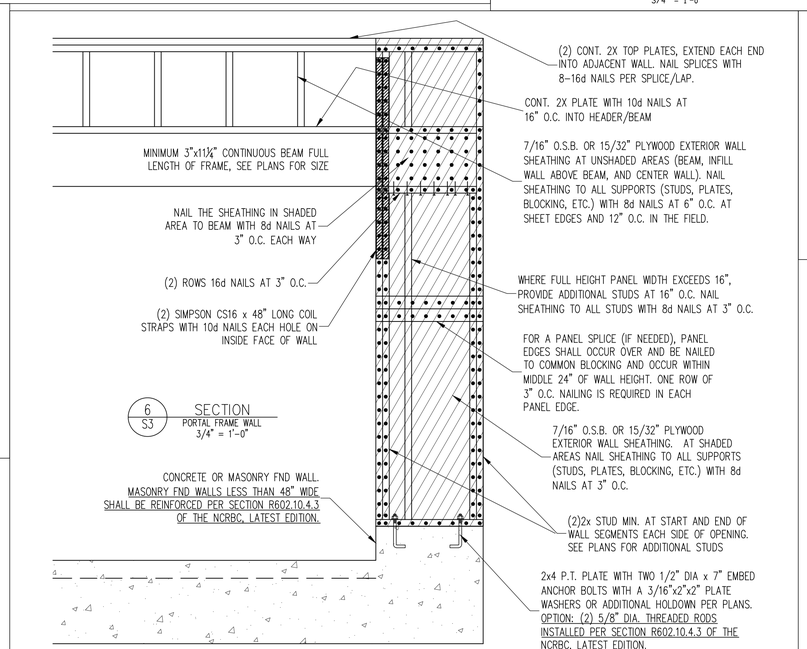

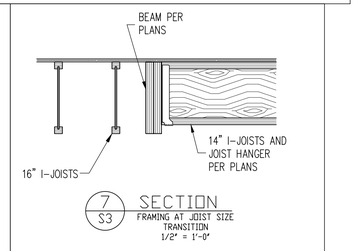

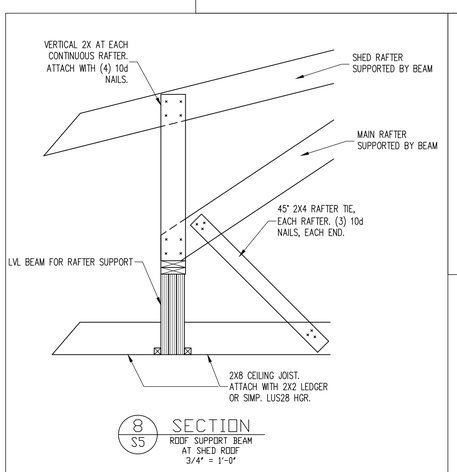

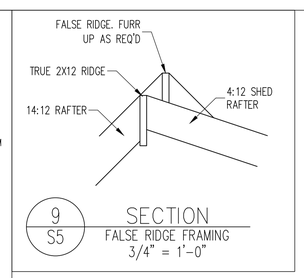

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HOMES BY DICKERSON
STRUCTURAL ADDENDUM
SCOPE:
LOC: 1 PINEHURST

REV #	REF PROJ #	DATE

ENG: TRB/MEB
DATE: 7/9/2025

PLAN
BRIGHTON

PROJECT NO.
25-27-081

SHEET NO.
SD1
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DECK SPECIFICATIONS

1. A DECK IS AN EXPOSED EXTERIOR WOOD FLOOR STRUCTURE WHICH MAY BE ATTACHED TO A STRUCTURE OR BE FREE STANDING. ROOFED PORCHES, OPEN OR SCREENED IN, MAY BE CONSTRUCTED USING THESE PROVISIONS.

2. SUPPORT POSTS SHALL BE SUPPORTED BY A FOOTING.

3. WHEN ATTACHED TO A STRUCTURE, THE STRUCTURE TO WHICH ATTACHED SHALL HAVE A TREATED WOOD BAND FOR THE LENGTH OF THE DECK, OR CORROSION RESISTANT FLASHING SHALL BE USED TO PREVENT MOISTURE FROM COMING IN CONTACT WITH THE UNTREATED FRAMING OF THE STRUCTURE. THE DECK BAND AND THE STRUCTURE BAND SHALL BE CONSTRUCTED IN CONTACT WITH EACH OTHER EXCEPT AT BRICK VENEER AND WHERE PLYWOOD SHEATHING IS REQUIRED AND PROPERLY FLASHED. SIDING SHALL NOT BE INSTALLED BETWEEN THE STRUCTURE AND THE DECK BAND. IF ATTACHED TO A BRICK STRUCTURE, NEITHER FLASHING NOR A TREATED BAND FOR THE BRICK STRUCTURE IS REQUIRED. IN ADDITION, THE TREATED DECK BAND SHALL BE CONSTRUCTED IN CONTACT WITH THE BRICK

4. WHEN THE DECK IS SUPPORTED AT THE STRUCTURE BY ATTACHING THE DECK TO THE STRUCTURE, THE FOLLOWING ATTACHMENT SCHEDULES SHALL APPLY FOR ATTACHING THE DECK BAND TO THE STRUCTURE:

   A. ALL STRUCTURES EXCEPT BRICK STRUCTURES

	JOIST LENGTH	
	UP TO 8' MAX.	UP TO 16' MAX.
REQUIRED FASTENERS	ONE– 5/8" ø BOLT @ 42" O.C. AND (2) ROWS OF 12d NAILS @ 8" O.C. OR TWO ROWS OF SIMPSON SDWS22400DB @ d = 32" O.C. STAGGERED	ONE– 5/8" ø BOLT @ 20" O.C. AND (3) ROWS OF 12d NAILS @ 6" O.C. OR TWO ROWS OF SIMPSON SDWS22400DB @ d = 16" O.C. STAGGERED

   A . BRICK VENEER STRUCTURES

	JOIST LENGTH	
	UP TO 8' MAX.	UP TO 16' MAX.
REQUIRED FASTENERS	ONE– 5/8" ø BOLT @ 28" O.C.	ONE– 5/8" ø BOLT @ 16" O.C.

5. IF THE DECK BAND IS SUPPORTED BY A 1/2" MINIMUM MASONRY LEDGE ALONG THE FOUNDATION WALL, 5/8" ø BOLTS SPACED @ 48" O.C. MAY BE USED FOR SUPPORT.

6. OTHER MEANS OF SUPPORT, SUCH AS JOIST HANGERS, MAY BE USED TO CONNECT DECK JOISTS TO A TREATED STRUCTURE BAND

7. GIRDERS SHALL BEAR DIRECTLY ON POSTS OR BE BE CONNECTED TO THE SIDES OF POSTS WITH 2– 5/8" ø BOLTS

8. FLOOR DECKING SHALL BE NO. 2 GRADE TREATED SOUTHERN PINE OR EQUIVALENT. THE MINIMUM FLOOR DECKING THICKNESS SHALL BE AS FOLLOWS:

JOIST SPAN	DECKING
12" O.C.	1" S4S
16" O.C.	1" T&G
24" O.C.	1 1/4" S4S
32" O.C.	2" S4S

9. MAXIMUM HEIGHT OF DECK SUPPORT POSTS IS AS FOLLOWS:

POST SIZE	MAX POST HEIGHT
4X4	8'
6X6	20'
ENGINEERED	20' +

NOTES: 1) THIS TABLE IS BASED ON NO. 2 TREATED SOUTHERN PINE POSTS.
2) THIS TABLE IS BASED ON A MAXIMUM TRIBUTARY AREA OF 128 SQ. FT.
3) POST HEIGHT IS FROM TOP OF FOOTING TO BOTTOM OF GIRDER.

10. DECKS SHALL BE BRACED TO PROVIDE LATERAL STABILITY BY ONE OF THE FOLLOWING METHODS:

   A. WHEN THE DECK FLOOR HEIGHT IS LESS THAN 4'–0" AND THE DECK IS ATTACHED TO THE STRUCTURE IN ACCORDANCE WITH SECTION 4, LATERAL BRACING IS NOT REQUIRED.

   B. 4X4 WOOD KNEE BRACES MAY BE PROVIDED ON EACH COLUMN IN BOTH DIRECTIONS. THE KNEE BRACES SHALL ATTACH TO EACH POST AT A POINT NOT LESS THAN 1/3 OF THE POST LENGTH FROM THE TOP OF THE POST, AND THE BRACES SHALL BE ANGLED BETWEEN 45° AND 60° FROM THE HORIZONTAL. KNEE BRACES SHALL BE ATTACHED AT THE ENDS TO THE GIRDER AND THE POST WITH ONE – 5/8"ø BOLT

   C. FOR FREE STANDING DECKS WITHOUT KNEE BRACES OR DIAGONAL BRACING, LATERAL STABILITY MAY BE PROVIDED BY EMBEDDING THE POSTS IN CONCRETE IN ACCORDANCE WITH THE FOLLOWING:

POST SIZE	TRIBUT. AREA	POST HEIGHT	EMB. DEPTH	CONC. DIAM.
4X4	48 SQ. FT.	4'–0"	2'–6"	1'–0"
6X6	120 SQ. FT.	6'–0"	3'–6"	1'–8"

   D. 2X6 DIAGONAL VERTICAL CROSS BRACING SHALL BE PROVIDED IN TWO PERPENDICULAR DIRECTIONS FOR FREE STANDING DECKS OR PARALLEL TO THE STRUCTURE AT THE EXTERIOR COLUMN LINE FOR ATTACHED DECKS. THE BRACES SHALL BE ATTACHED TO THE POSTS WITH ONE – 5/8" ø BOLT AT EACH END OF THE BRACE.

NOTES: 1) ALL NAILS AND BOLTS ARE TO BE HOT DIPPED GALVANIZED.
2) MINIMUM EDGE DISTANCE FOR BOLTS IS 2 1/2".
3) NAILS MUST PENETRATE THE SUPPORTING STRUCTURE BAND A MINIMUM OF 1 1/2".

CONSTRUCTION SPECIFICATIONS

PART 1: GENERAL

1.01 CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.

1.02 DIMENSIONS SHOWN SHALL GOVERN OVER SCALE ON THESE DRAWINGS.

1.05 METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.

PART 2: DESIGN LOADS

2.01 DESIGN LOADS SHALL CONFORM WITH THE TABLE BELOW:

USE	LIVE LOAD (PSF)	DEAD LOAD (PSF)
BALCONIES, DECKS, ATTICS WITH FIXED STAIR ACCESS, DWELLING UNITS INCLUDING ATTICS WITH FIXED STAIR ACCESS, STAIRS, FIRE ESCAPES	40	10
GARAGES (PASSENGER CARS ONLY)	50	--
ATTICS (NO STORAGE, LESS THAN 5' HEADROOM)	10	10
ATTICS (WITH STORAGE)	20	10
ROOF	20	10 (15 FOR VAULTS)

NOTES: – INDIVIDUAL STAIR TREADS ARE TO BE DESIGNED FOR THE UNIFORMLY DISTRIBUTED LIVE LOAD OF 40 PSF OR A 300 LB. CONCENTRATED LOAD ACTING OVER AN AREA OF 4 SQ. WHICHEVER PRODUCES THE GREATER STRESS.
– BUILDER TO VERIFY DEAD LOAD DOES NOT EXCEED 10 PSF WHEN HEAVY FLOOR OR ROOF FINISHES SUCH AS TILE OR SLATE ARE UTILIZED. NOTIFY ENGINEERING UNDER THESE CONDITIONS

2.02 INTERIOR WALLS: 5 PSF LATERAL.

2.03 BASIC WIND DESIGN VELOCITY OF 120 MPH.

2.04 SOIL BEARING CAPACITY 2000 PSF (PRESUMPTIVE).

PART 3: STRUCTURAL STEEL

3.01 WIDE FLANGE BEAMS AND TEE SECTIONS SHALL CONFORM TO ASTM A992 MINIMUM GRADE

3.02 SQUARE AND RECTANGULAR TUBING SHALL CONFORM TO ASTM A500 GRADE B MINIMUM GRADE.

3.03 STEEL PIPE SHALL CONFORM TO ASTM A53 GRADE B, TYPE S, MINIMUM GRADE

3.04 ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 MINIMUM GRADE

3.05 STRUCTURAL STEEL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

PART 4: WELDING

4.01 WELDING ELECTRODES SHALL BE E70XX AND ALL WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER

PART 5: CONCRETE AND SLABS ON GRADE

5.01 CAST IN PLACE CONCRETE SHALL BE OF NORMAL WEIGHT, 4–6% AIR ENTRAINMENT, FOR EXTERIOR CONCRETE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS TYP UNO. ALL ITEMS NOTED AS 'CONCRETE' ARE TO BE CAST IN PLACE, TYP UNO.

5.02 REINFORCED CAST IN PLACE CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED IN ACCORDANCE WITH THE SPECIFICATIONS OF ACI 318, LATEST EDITION.

5.03 SLABS ON GRADE, IF ANY, SHALL BE CAST IN PLACE, CONTAIN SYNTHETIC POLYPROPYLENE FIBRILLATED MICRO FIBERS, FIBER LENGTH 1 1/2", DOSAGE RATE 1 1/2 LBS/CU YD. SLAB TO BE PLACED ON A 6 MIL VAPOR BARRIER ON 4" MIN GRANULAR FILL ON SOIL WITH 90% MIN STANDARD PROCTOR DENSITY. VAPOR BARRIER MAY BE OMITTED FOR SLABS NOT IN ENCLOSED AREAS

PART 6: REBAR AND WIRE REINFORCEMENT

6.01 REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60 TYP UNO

6.02 LAP SPLICES SHALL BE CLASS B AS DEFINED BY ACI 318, TYP UNO

6.03 WIRE REINFORCEMENT SHALL BE 9 GA AND SHALL CONFORM TO ASTM A1064.

PART 7: MASONRY

7.01 CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 AND C55, NORMAL WEIGHT, f'M = 1,500 PSI MIN

7.02 CLAY MASONRY UNITS SHALL CONFORM TO ASTM C62–17 GRADE SW

7.03 MORTAR SHALL BE TYPE S. MORTAR AND GROUT SHALL CONFORM TO ASTM C476, MIN COMPRESSIVE STRENGTH OF 2000 PSI.

7.04 MASONRY CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS OF ACI 530

7.05 LADDER WIRE REINFORCEMENT SHALL CONFORM TO ASTM A951. 6" MIN LAPS FOR CONTINUOUS WALL APPLICATIONS

PART 8: BOLTS AND LAG SCREWS

8.01 BOLTS SHALL CONFORM TO ASTM A307 MINIMUM GRADE TYP UNO. INSTALL STANDARD STEEL WASHERS (ASTM F844–07a) FOR THE NUT / BOLT HEAD WHEN BOLTING WOOD MEMBERS. HOLES FOR BOLTS SHALL BE AISC STANDARD HOLES UNO

8.02 LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1–1981. PILOT HOLES SHALL BE USED FOR LAG SCREW INSTALLATION AND SHALL BE BORED ACCORDING TO NDS SPECIFICATIONS. INSTALL STANDARD STEEL WASHERS (ASTM F844–07a) FOR SCREW HEAD

8.03 ANCHOR RODS AND BOLTS SHALL CONFORM TO ASTM F1554–15 GRADE 36 UNO. BENT ANCHOR BOLTS SHALL HAVE A 2" MIN HOOK UNO

PART 9: DRIVEN FASTENERS

9.01 NAILS, SPIKES AND STAPLES SHALL CONFORM TO ASTM F 1667– 05. NAILS ARE TO BE COMMON WIRE OR BOX

PART 10: DIMENSIONAL LUMBER

10.01 SOLID SAWN WOOD FRAMING DESIGN IS BASED ON NO. 2 SPRUCE PINE FIR OR SYP #2 FOR JOISTS, RAFTERS, GIRDERS, BEAMS, STUDS, ETC. MINIMUM ALLOWABLE DESIGN PROPERTIES ARE AS FOLLOWS:
E= 1,400,000 PSI, $F_{c\ perp}$ = 425 PSI, F_v = 135 PSI, SPECIFIC GRAVITY = 0.42 MIN
F_b = 875 PSI FOR 2X4, 2X6, 2X8. F_b = 800 PSI FOR 2X10'S, 750 PSI FOR 2X12'S

PART 11: ENGINEERED LUMBER

11.01 LVL OR PSL MINIMUM ALLOWABLE DESIGN PROPERTIES ARE AS FOLLOWS:
E= 1,900,000 PSI, F_b = 2600 PSI, F_v = 285 PSI, $F_{c\ perp}$ = 750 PSI
LSL MINIMUM ALLOWABLE DESIGN STRESSES ARE AS FOLLOWS:
E= 1.3 X 10E6 PSI, F_b = 1700 PSI, F_v = 400 PSI, $F_{c\ perp}$ = 680 PSI

11.02 LVL OR PSL MEMBERS MAY BE RIPPED FROM DEEPER MEMBERS TO MATCH THE MEMBER DEPTH SPECIFIED IN THE PLANS

PART 12: PRESSURE TREATED LUMBER

12.01 LUMBER IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C–15. ALL OTHER EXPOSED LUMBER SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARD C–2 OR BY ANY METHOD GIVING EQUAL PROTECTION. THE BUILDING CODE OFFICE MAY ALSO APPROVE A NATURAL DECAY RESISTANT WOOD PER SECTION 19–6(A)

PART 13: STEEL FLITCH PLATE BEAMS

13.01 FLITCH PLATE BEAMS SHALL CONSIST OF A CONTINUOUS STEEL PLATE BOLTED BETWEEN TWO PIECES OF CONTINUOUS LUMBER AS SIZED ON THE PLANS. BOLT PIECES TOGETHER USING 1/2" ø BOLTS SPACED AT 16" O.C. STAGGERED TOP TO BOTTOM OF THE BEAM. MAINTAIN A 2" EDGE DISTANCE. PLACE TWO BOLTS, ONE ABOVE THE OTHER, 16" MAX FROM EACH END OF THE BEAM. TYP UNO

PART 14: STUD SUPPORTS FOR BEAMS

14.01 STEEL, ENGINEERED LUMBER, AND FLITCH PLATE BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS:

1–WHEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL, THE BEAM SHALL BEAR FULL WIDTH ON THE SUPPORTING WALL INDICATED AND SHALL BE SUPPORTED BY A MINIMUM OF THREE GANGED STUDS, OR A GANGED STUD COLUMN WITH A NUMBER OF STUDS SUCH THAT THE STUD COLUMN IS AT LEAST AS WIDE AS THE TRUE WIDTH OF THE BEAM BEING SUPPORTED, WHICHEVER IS GREATER, TYP UNO. FOR THE SKEWED CONDITION PARTICULAR CARE SHALL BE TAKEN TO ENSURE STUD COLUMN IS CENTERED ON THE BEAM
2–BEAMS BEARING ONTO THE END OF A STUD WALL PARALLEL TO THE BEAM SHALL BEAR A MINIMUM OF 4 1/2" ONTO THE WALL AND BE SUPPORTED BY A TRPL STUD GANGED COLUMN TYP UNO.

14.02 DIMENSIONAL LUMBER BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS:

1–WHEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL, THE BEAM SHALL BEAR FULL WIDTH ON THE SUPPORTING WALL INDICATED (LESS 1 1/2" TO ALLOW FOR A CONTINUOUS RIM JOIST WHERE APPLICABLE) AND SHALL BE SUPPORTED BY A GANGED STUD COLUMN THE SAME WIDTH AS THE BEAM TYP UNO. (E.G. A TRIPLE 2X10 IS TO BE SUPPORTED BY (3) STUDS). FOR THE SKEWED CONDITION PARTICULAR CARE SHALL BE TAKEN TO ENSURE STUD COLUMN IS CENTERED ON THE BEAM
2–BEAMS BEARING ONTO THE END OF A STUD WALL PARALLEL TO THE BEAM SHALL BEAR A MINIMUM OF 3" ONTO THE WALL AND BE SUPPORTED BY A DBL STUD GANGED COLUMN TYP UNO.

14.03 EXTRA JOISTS BEARING ON A STUD WALL PERPENDICULAR TO OR SKEWED RELATIVE TO THE BEAM SHALL BE SUPPORTED BY ONE ADDITIONAL STUD.

14.04 STUDS THAT ARE GANGED TO FORM A COLUMN SHALL HAVE ADJACENT STUDS WITHIN THE COLUMN NAILED TOGETHER WITH ONE ROW OF 10d NAILS AT 8" O.C. (TWO ROWS OF 10d NAILS @ 8" O.C., 3" APART, FOR 2X8 OR 2X10 STUDS) ALL COLUMNS SHALL BE CONTINUOUS DOWN TO THE FOUNDATION OR OTHER PROPERLY DESIGNED STRUCTURAL ELEMENT SUCH AS A BEAM. COLUMNS TRANSFERRING LOADS THROUGH FLOOR LEVELS SHALL BE SOLIDLY BLOCKED FOR THE FULL WIDTH OF THE STUD COLUMN WITHIN THE CAVITY FORMED BY THE FLOOR JOISTS.

PART 15: NAILING OF MULTI PLY WOOD BEAMS

15.01 SOLID SAWN LUMBER JOISTS THAT ARE GANGED TO FORM A BEAM SHALL HAVE ADJACENT MEMBERS IN THE BEAM NAILED TOGETHER WITH THREE ROWS OF 10d NAILS @ 16" O.C. FOR 2X10 OR LARGER, TWO ROWS OF 10d NAILS @ 16" O.C. FOR 2X8, ONE ROW OF 10d NAILS @ 16" O.C. FOR 2X6 OR SMALLER. STAGGER ROWS 5" MIN.

15.02 LVL MEMBERS THAT ARE GANGED TO FORM A BEAM SHALL HAVE ADJACENT MEMBERS IN THE BEAM FASTENED TOGETHER PER MANUFACTURERS RECOMMENDATIONS, TYP UNO

PART 16: WALL FRAMING AND BRACING

16.01 STUD WALLS SHALL CONSIST OF 2X4 STUDS SPACED AT 16" O.C. UNO. STUDS SHALL BE CONTINUOUS FROM SOLE PLATE AT FLOOR TO DOUBLE TOP PLATE AT THE CEILING OR ROOF. NO INTERMEDIATE BANDS OR PLATES SHALL CAUSE DISCONTINUITIES IN A STUD WALL EXCEPT AS REQUIRED FOR DOOR OR WINDOW OPENINGS. THE KING STUDS FOR SUCH OPENINGS SHALL BE CONTINUOUS, TYP UNO.
MAX ALLOWABLE WALL HEIGHTS FOR EXTERIOR STUD WALLS, INCLUSIVE OF SOLE PLATE AND DBL TOP PLATE AND 7/16" OSB EXTERIOR BRACING AND ROW OF 2X4 2X6 PURLINS AT 8' HEIGHT (AND AT 16' HEIGHT FOR TALL WALLS), TYP UNO:
2X4 @ 16" O.C.: 11'–1 1/2" 2X6 @ 16" O.C.: 17'–0"
2X4 @ 12" O.C.: 12'–1 1/2" 2X6 @ 12" O.C.: 18'–8"
DBL 2X4 @ 16" O.C.: 13'–4" DBL 2X6 @ 16" O.C.: 21'–0"

16.02 FOR WALL BRACING THE FOLLOWING SHALL APPLY:
–BLOCKING AT UNSUPPORTED PANEL EDGES IS REQUIRED TYP UNO.
–WALL BRACING IS BY ENGINEERED DESIGN AND NOT PRESCRIPTIVE PER SECTION 602.10 OF THE 2018 NCRC. CONTINUOUS SHEATHING HAS BEEN PROVIDED, ALONG WITH ALTERNATIVE METHODS TO INSURE THE MINIMUM INTENT OF SECTION 602.10 OF THE 2018 NCRC HAS BEEN MET AND EXCEEDED.
–BRACED WALL PANELS SHALL BE FASTENED IN ACCORDANCE WITH TABLE 602.3(1) TO PROVIDE CONTINUOUS PANEL UPLIFT RESISTANCE AND COMPLIANCE WITH NCRBC R602.3.5 AND R802.11 UNLESS NOTED OTHERWISE ON STRUCTURAL PLANS.
–MAY SUBSTITUTE WSP FOR GB
–SINGLE JOIST, CONTINUOUS RIM JOIST, OR BLOCKING OF EQUAL DEPTH IS REQUIRED ABOVE AND BELOW ALL BRACED WALLS. NAIL BLOCKING ABOVE WALL TO TOP PLATE WITH 16d TOE NAILS @ 6" O.C. NAIL SOLE PLATE OF BRACED WALL TO BLOCKING BELOW WITH (3) 16d NAILS @ 16" O.C. BLOCKING AT HORIZONTAL JOINTS IN BRACED WALL LINES ONLY REQUIRED AT SHADED WALLS, UNO.

PART 17: KING STUDS

17.01 KING STUDS FOR OPENINGS IN EXTERIOR WALLS SHALL BE AS FOLLOWS:

		NUMBER OF KING STUDS				
MAX OPENING WIDTH		5'–0"	9'–0"	13'–0"	17'–0"	21'–0"
STUD SIZE	2X4	1	2	3	4	5
	2X6	1	1	2	2	2
	2X8	1	1	1	1	2

PART 18: SUBSTITUTIONS

18.01 MATERIAL OR MEMBER SIZE SUBSTITUTIONS OR PLAN DEVIATIONS REQUIRE THE WRITTEN AUTHORIZATION OF THE DESIGNERS. UNAUTHORIZED DEVIATIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PART 19: OWNERSHIP OF STRUCTURAL DESIGN

19.01 THE STRUCTURAL DESIGN OF THIS PLAN IS THE PROPERTY OF ENGINEERING TECH ASSOCIATES (ETA). THESE PLANS ARE FOR THE ONE TIME USE AT THE LOCATION INDICATED AND FOR THE CLIENT LISTED. ETA ASSUMES NO LIABILITY FOR THESE PLANS IF THEY ARE REPRODUCED, IN WHOLE OR IN PART, FOR CONSTRUCTION AT ANY OTHER LOCATION WITHOUT WRITTEN PERMISSION FROM ETA

NOTES

THE BUILDER IS RESPONSIBLE FOR REVIEWING PLANS PRIOR TO CONSTRUCTION. THE BUILDER SHALL IMMEDIATELY CONTACT THE ENGINEER OF RECORD (EOR) BEFORE PROCEEDING IF THE FOLLOWING CONDITIONS ARE NOTED BEFORE OR DURING CONSTRUCTION:
1) THE WORKING PLANS DO NOT BEAR THE SEAL OF THE EOR
2) THE PLANS CONTAIN DISCREPANT OR INCOMPLETE INFORMATION

ANY ERRORS DUE TO A FAILURE TO FOLLOW THE ABOVE PROCEDURES SHALL NOT BE THE RESPONSIBILITY OF THE EOR. FURTHERMORE, IT IS THE RESPONSIBILITY OF THE BUILDER TO ENSURE THAN ANY REVISIONS ISSUED BY THE EOR ARE PROMPLY DISTRIBUTED TO THE SUBCONTRACTORS

THE EOR DOES NOT PERFORM FENESTRATION OR VENTING CALCULATIONS OR ANY OTHER CALCULATIONS THAT ARE NOT DIRECTLY RELATED TO STRUCTURAL ENGINEERING.

ROOF AND FLOOR TRUSSES TO BE DESIGNED BY AN ENGINEER REGISTERED BY THE STATE. FINAL TRUSS DRAWING SHOULD BE SUBMITTED TO THE EOR FOR REVIEW

ABBREVIATIONS

ABV	ABOVE	FND	FOUNDATION	TJ	TRIPLE JOIST
B.	BOTH	FTG	FOOTING	TYP	TYPICAL
B.E.	BOTH ENDS	HDG	HOT DIPPED GALVANIZED	TRPL	TRIPLE
BTWN	BETWEEN	HGR	HANGER	TSP	TRIPLE STUD POCKET
CIP	CAST IN PLACE	LVL	LAMINATED VENEER LUMBER	UNO	UNLESS NOTED OTHERWISE
CONC	CONCRETE	NTS	NOT TO SCALE	XJ	EXTRA JOIST
CS	CONTINUOUS SHEATHING	O.C.	ON CENTER		
DIA	DIAMETER	PSL	PARALLEL STRAND LUMBER		
DBL	DOUBLE	PT	PRESSURE TREATED		
DJ	DOUBLE JOIST	QJ	QUAD JOIST		
DSP	DBL STUD POCKET	SP	SPACE (OR SPACING)		
EQ	EQUAL	SSP	SINGLE STUD POCKET		
EA	EACH	SQ	SQUARE		
FLG	FLANGE				
FL PL	FLITCH PLATE				
FLR	FLOOR				

ALLOWABLE I-JOIST SUBSTITUTION

NOTE: MAINTAIN JOIST DEPTH, DIRECTION, AND SPACING SPECIFIED ON PLANS.

MANUFACTURER	DEPTH	SERIES	SIMPSON FACE MOUNT HGR	SIMPSON TOP FLANGE HGR
BLUELINX	11.875"	BLI 40	IUS2.56/11.88	ITS2.56/11.88
BOISE CASCADE	11.875"	BCI 5000s	IUS2.06/11.88	ITS2.06/11.88
BOISE CASCADE	11.875"	BCI 6000s	IUS2.37/11.88	ITS2.37/11.88
INTERNATIONAL BEAMS	11.875"	IB 400	IUS2.56/11.88	ITS2.56/11.88
LP CORP	11.875"	LPI 20+	IUS2.56/11.88	ITS2.56/11.88
NORDIC	11.875"	NI 40X	IUS2.56/11.88	ITS2.56/11.88
ROSEBURG	11.875"	RFPI 40s	IUS2.56/11.88	ITS2.56/11.88
WEYERHAEUSER	11.875"	TJI 210	IUS2.06/11.88	ITS2.06/11.88
WEYERHAEUSER	11.875"	EEI–20	IUS2.37/11.88	ITS2.37/11.88
BLUELINX	14"	BLI 40	IUS2.56/14	ITS2.56/14
BOISE CASCADE	14"	BCI 5000s	IUS2.06/14	ITS2.06/14
BOISE CASCADE	14"	BCI 6000S	IUS2.37/14	ITS2.37/14
LP CORP	14"	LPI 20+	IUS2.56/14	ITS2.56/14
NORDIC	14"	NI 40X	IUS2.56/14	ITS2.56/14
ROSEBURG	14"	RFPI 40s	IUS2.56/14	ITS2.56/14
WEYERHAEUSER	14"	TJI 210	IUS2.06/14	ITS2.06/14
WEYERHAEUSER	14"	EEI–20	IUS2.37/14	ITS2.73/14
BOISE CASCADE	16"	BCI 60s	IUS2.37/16	ITS2.37/16
LP CORP	16"	LP 36	IUS2.37/16	ITS2.37/16
LP CORP	16"	LP 42+	IUS2.56/16	ITS2.56/16
NORDIC	16"	NI 70	IUS2.56/16	ITS2.56/16
ROSEBURG	16"	RFPI 70	IUS2.37/16	ITS2.37/16
WEYERHAEUSER	16"	TJI 360	IUS2.37/16	ITS2.37/16
WEYERHAEUSER	16"	EEI–30	IUS2.37/16	ITS2.73/16

JOISTS NOT LISTED IN THE ABOVE TABLE MAY BE USED PROVIDED THEY MEET OR EXCEED THE PROPERTIES OF THOSE LISTED. SUBSTITUTE USP BRAND HANGERS WITH EQUIVALENT VALUES AS DESIRED.

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 054410 TYLER R. BLAKE

HOMES BY DICKERSON
SCOPE: STRUCTURAL ADDENDUM
LOC: 1 PINEHURST

REV #	REF PROJ #	DATE

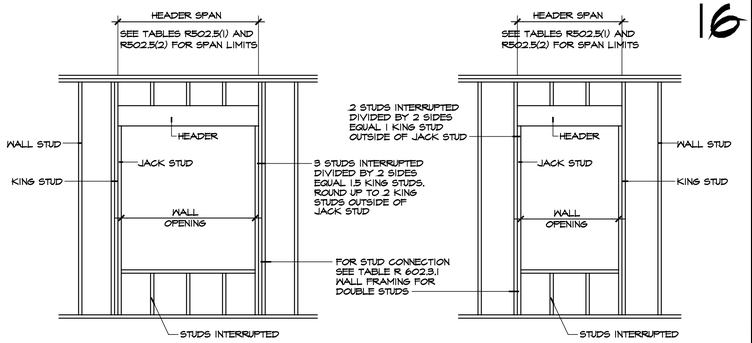
ENG: TRB/MEB
DATE: 7/9/2025

PLAN
BRIGHTON

PROJECT NO.
25-27-081

SHEET NO.
SPECS
7 of 7

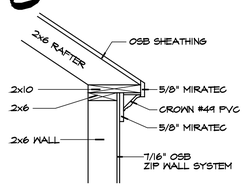
16



PLACEMENT OF KING STUDS

NO SCALE

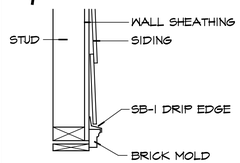
8



DORMER DETAIL

NO SCALE

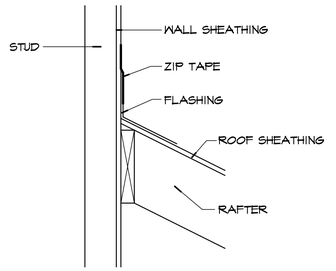
7



WINDOW HEAD

SCALE: 1 1/2"=1'-0"

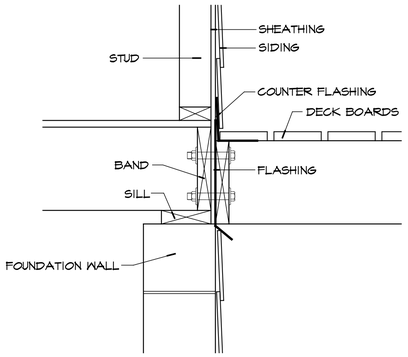
4



FLASHING AT WALL/ ROOF CONNECTION

SCALE: 1 1/2"=1'-0"

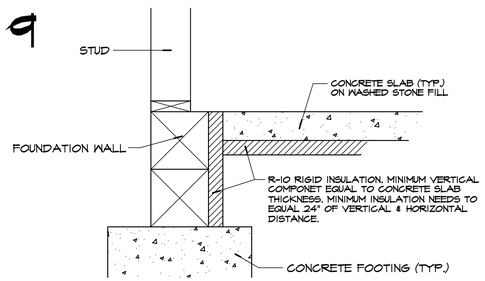
1



FLASHING AT DECK

SCALE: 1 1/2"=1'-0"

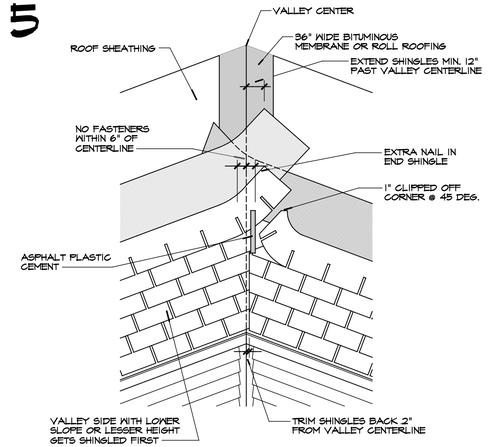
9



STEM WALL INSULATION DETAIL

NO SCALE

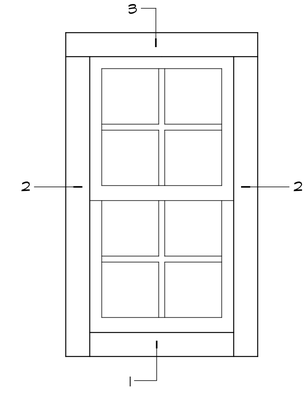
5



CLOSED-CUT VALLEY

NO SCALE

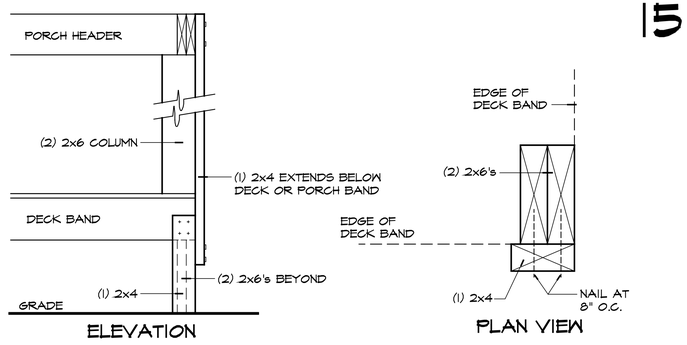
2



WINDOW TAPING DETAIL

NO SCALE

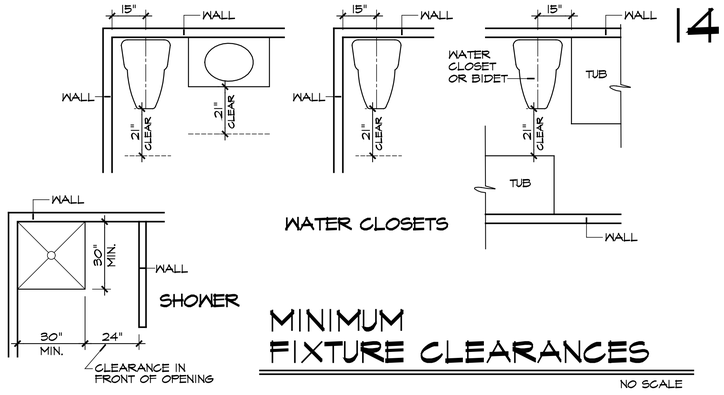
15



STIFF KNEE DETAIL

NO SCALE

14



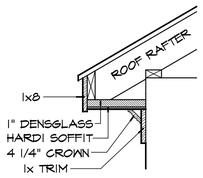
MINIMUM FIXTURE CLEARANCES

NO SCALE

11

REQUIRED FOR HOMES WITH LESS THAN 3' FROM ROOF OVERHANG TO PROPERTY LINE.

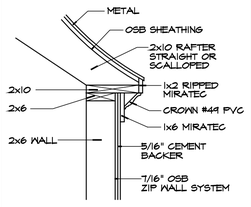
ROOF VENTILATION REQUIREMENTS TO BE CONFIRMED PER R806.2



FIRE SOFFIT DETAIL

NO SCALE

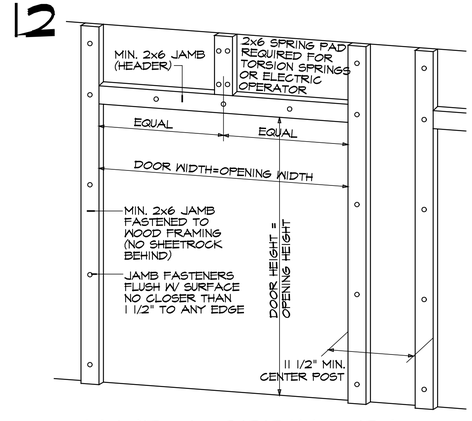
10



BAY OR FIREPLACE

NO SCALE

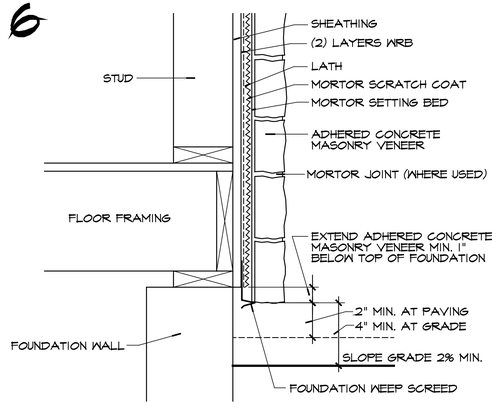
12



JAMB & SPRING PAD

NO SCALE

6



STONE CLEARENCE DETAIL

NO SCALE

A MIN. 4" GAP IS REQUIRED AT THE BASE OF THE STUD WALL TO GRADE AND A MIN. 2" GAP IS REQUIRED AT THE BASE OF THE STUD WALL TO A PAVED SURFACE

13

LOCATION	INSULATION TYPE	R-VALUE
FLAT CEILING	FIBERGLASS BATT / BLOWN FIBERGLASS	R 38
FLAT CEILING / WALK-UP ATTIC	FIBERGLASS BATT	R 30
VAULTED CEILING	FIBERGLASS BATT	R 30
WALLS	FIBERGLASS BATT	R 19
FLOORS	FIBERGLASS BATT	R 19
FLOOR OVER GARAGE	FIBERGLASS BATT	R 30
CRAWLSPACE / BASEMENT WALL	FIBERGLASS BATT	R 10

3

TABLE R 302.6
DWELLING / GARAGE SEPERATION

FROM THE RESIDENCE AND ATTICS	NOT LESS THAN 1/2 INCH GYPSUM BOARD OR EQUIVALENT APPLIED TO THE GARAGE SIDE
FROM ALL HABITABLE ROOMS ABOVE THE GARAGE	NOT LESS THAN 5/8 INCH TYPE X GYPSUM BOARD OR EQUIVALENT
STRUCTURE (S) SUPPORTING FLOOR/ CEILING ASSEMBLIES USED FOR SEPERATION REQUIRED BY THIS SECTION	NOT LESS THAN 1/2 INCH GYPSUM BOARD OR EQUIVALENT
GARAGES LOCATED LESS THAN 3 FEET FROM A DWELLING UNIT ON THE SAME LOT	NOT LESS THAN 1/2 INCH GYPSUM BOARD OR EQUIVALENT APPLIED TO THE INTERIOR SIDE OF EXTERIOR WALLS THAT ARE WITHIN THIS AREA

WINDOW HEIGHT NOTE:

WINDOW SILL HEIGHTS AND FALL PROTECTION TO BE DETERMINED BY CODE SECTION 612.2

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT LIMITED SCOPE INSTRUMENTS AND AS SUCH IT IS THE RESPONSIBILITY OF THE LICENSED GENERAL CONTRACTOR TO COORDINATE AND CONSTRUCT REPRESENTED PROJECT IN COMPLIANCE WITH ALL APPLICABLE STATE AND LOCAL CODES, AND ANY CONDITIONS IN CONFLICT WITH LOCAL CONDITIONS AND CODES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
2. EXCEPTIONS IN PRACTICES OF CONSTRUCTION, VERIFY DESIGN WITH LOCAL ENGINEER. ALL BEAMS 5.25" TO BE DETERMINED BY LOCAL ENGINEER.
3. OWNER AND CONTRACTOR SHALL CALL OUT ALL SPECIFIED ITEMS IN CONTRACT FORM TO PROPERLY QUALIFY THE FINISHES AND MATERIAL AGREED UPON.

J. G. CRAIG DESIGNS
7920 VANDEMERE COURT
RALEIGH, N.C. 27615
(919)782-1922

Jim Craig
06 / 08 / 21

PROJECT NAME :
GENERAL DETAILS
HOMES BY DICKERSON

Sheet GD1 OF 1