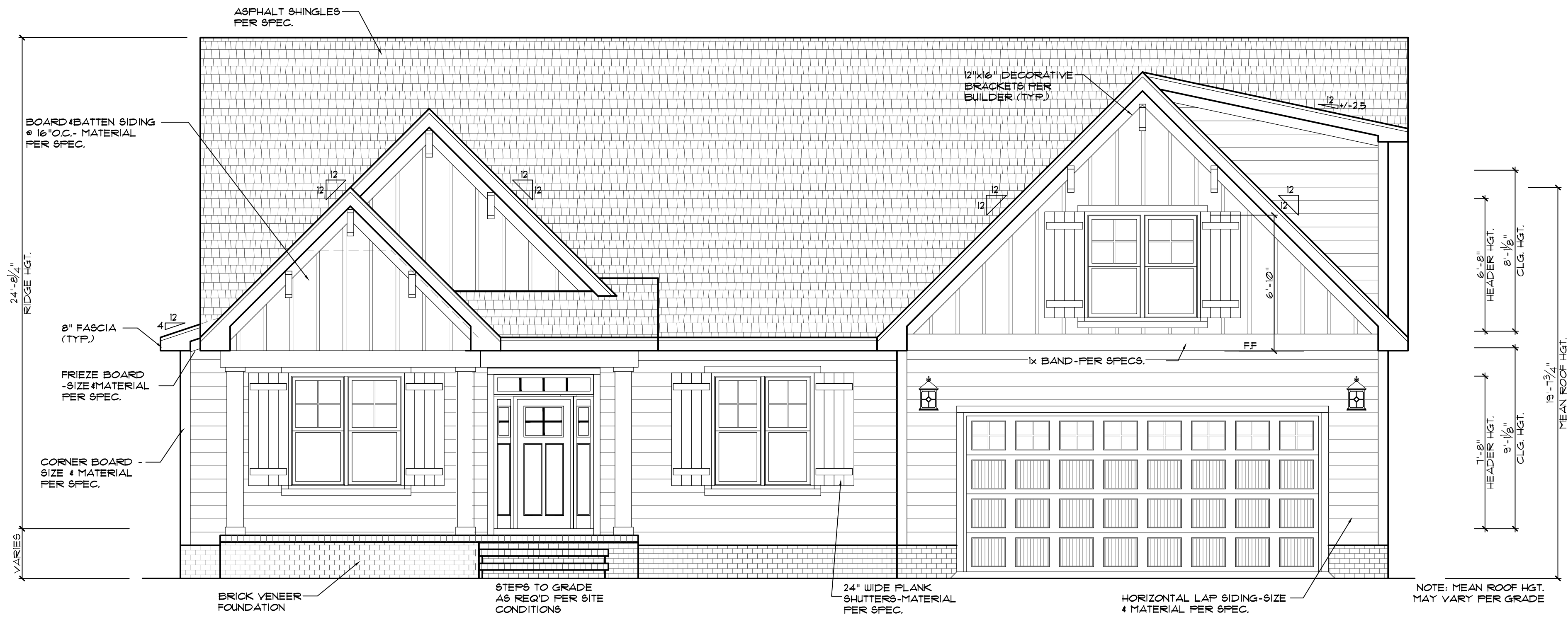
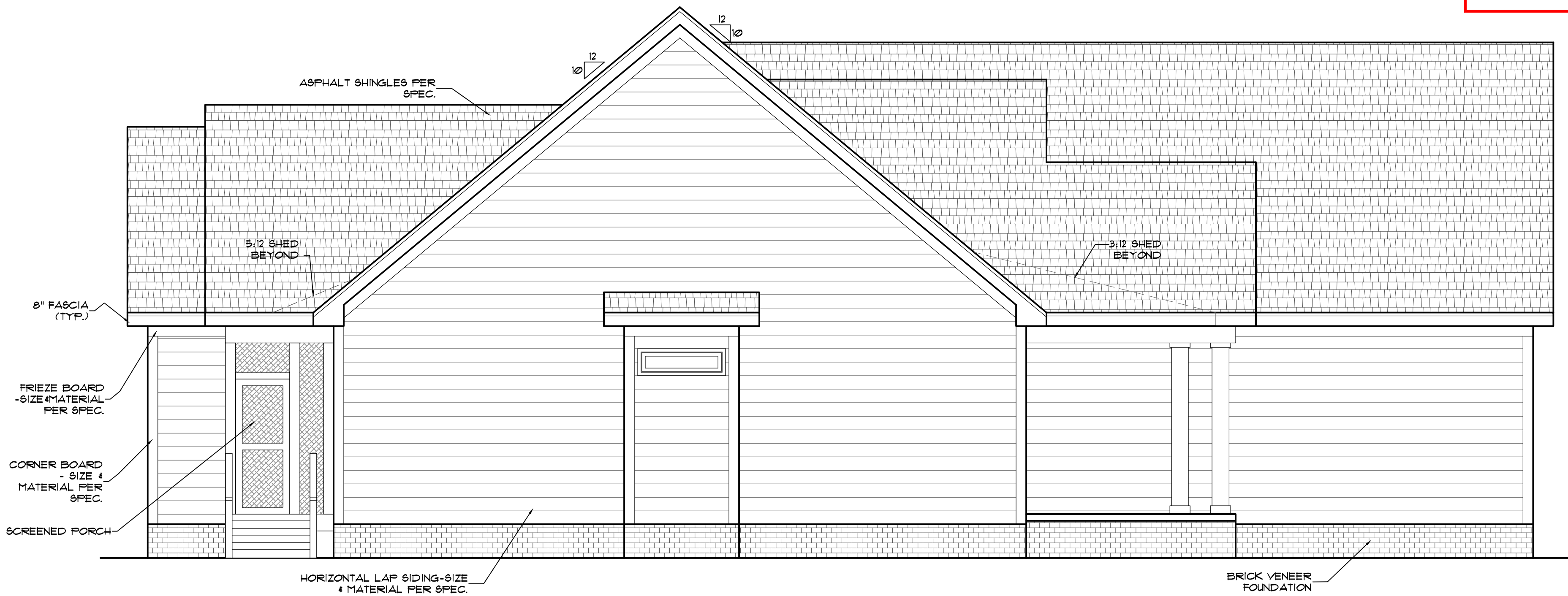




FRONT ELEVATION

Scale: 1/4" = 1'



LEFT ELEVATION

Scale: 1/4" = 1'

BUILDING CODES:
THIS PLAN HAS BEEN DESIGNED UNDER THE NC BUILDING CODES, 2018 RESIDENTIAL EDITION.

ROOFING:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (2/12) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (2/12) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (4/12), DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION R305.1.1.

VENTING CALCULATIONS:

CRAWL SPACE:
THE MIN. NET FREE AREA OF CRAWL VENTILATION OPENINGS SHALL NOT BE LESS THAN 1 SQ. FT. FOR EACH 150 SQ. FT. OF CRAWL SPACE AREA.
2004 SQ. FT. CRAWL SPACE AREA / 150 = 13.3 SQ. FT. NET FREE AREA REQUIRED
*MAY BE REDUCED BY 50% W/ VAPOR BARRIER

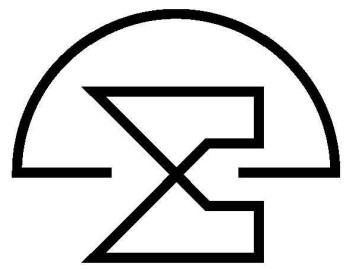
ATTIC:
3036 SQ. FT. OF ATTIC / 300 = 10.1 SQ. FT. OF INLET AND OUTLET.
VENTILATION MAY BE REDUCED 50% WHEN VENTILATORS ARE USED AT LEAST 3'-0" ABOVE THE CORNICE VENTS.

REVIEWED FOR CODE COMPLIANCE
FRANKLIN COUNTY NORTH CAROLINA
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06/07/2024 1:40:39 PM

70 Basil Ct
Franklinton

I-24-1511

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Wake Forest, NC 27587
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Cantiere Homes
Bella Terra
Lot # 13

Sheet Title:
FRONT & LEFT ELEVATIONS

REVISIONS	
NUMBER	DATE

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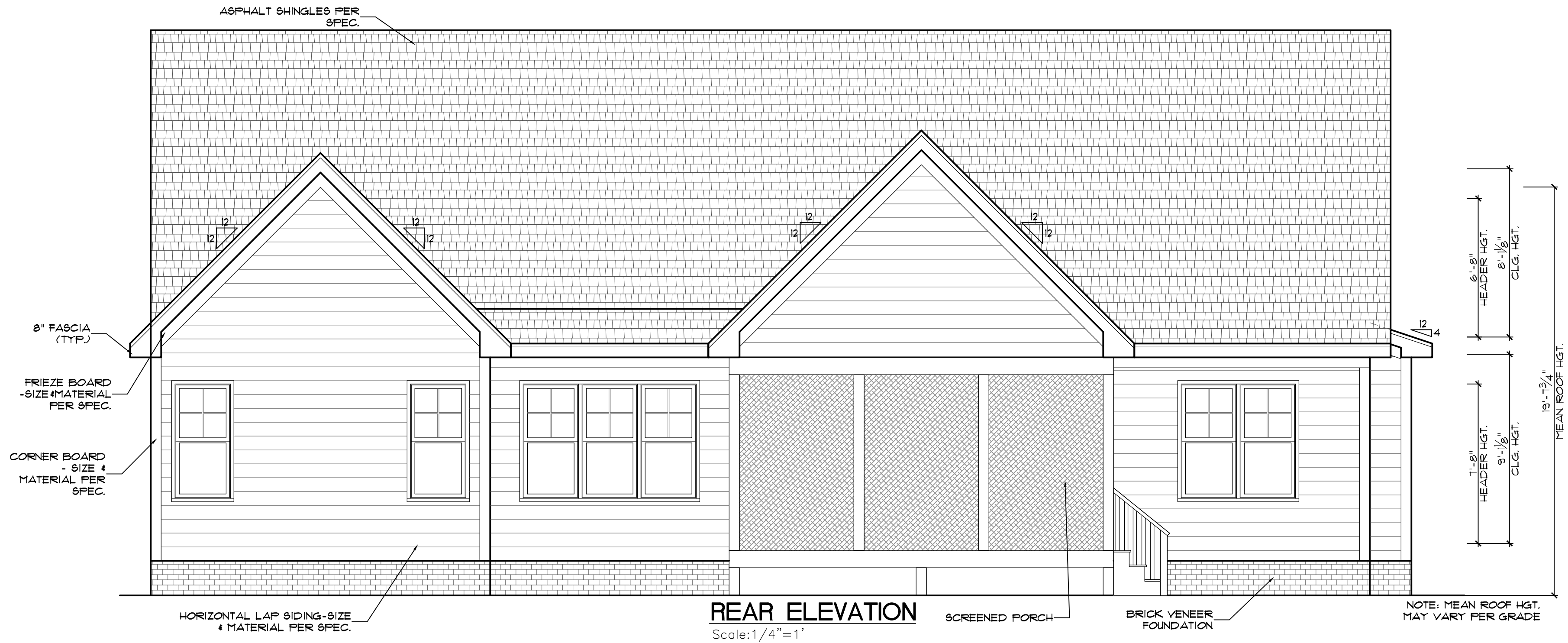
Plan Number
M043-24

Sheet No. **A1**

Drawn By: **MB**

Date: **05/09/24**

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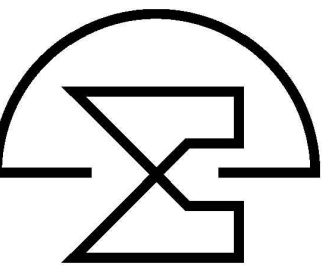
REAR ELEVATION
Scale: 1/4" = 1'



RIGHT ELEVATION
Scale: 1/4" = 1'

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Cantiere Homes
Bella Terra
Lot # 13

Sheet Title:
REAR & RIGHT ELEVATIONS

REVISIONS	
NUMBER	DATE

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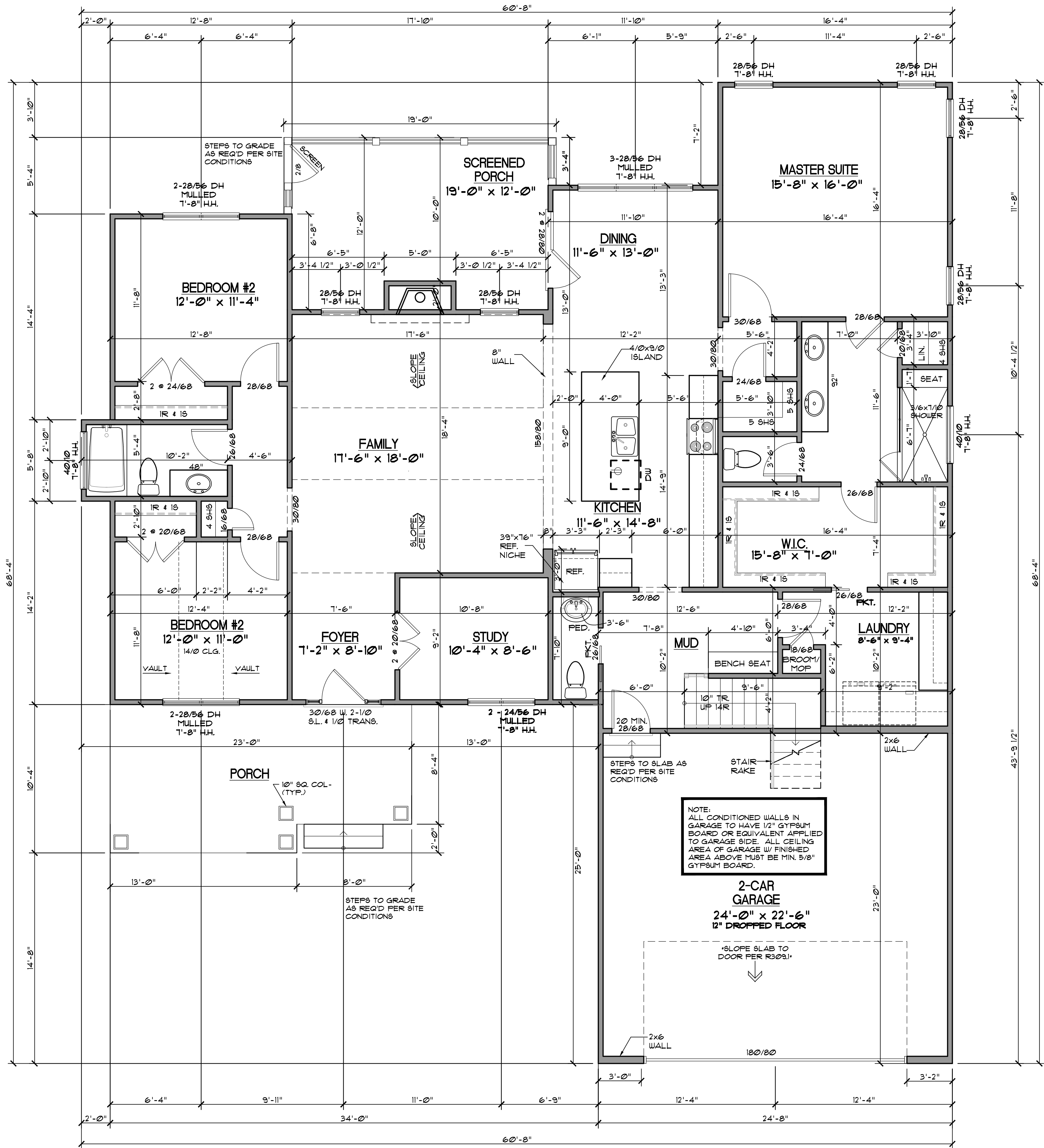
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Plan Number
M043-24

Sheet No. **A2**

Drawn By: **MB**

Date: **05/09/24**



GENERAL NOTES

WALLS:
ALL WALLS ARE DRAWN 4" THICK UNO. ANGLED WALL ARE DRAWN #45° UNO.

SMOKE DETECTORS:
LOCATION AND NUMBER OF DETECTORS SHALL CONFORM TO NEC.

EGRESS:
ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO R-312 OF THE N.C. BLDG. CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY CHOSEN WINDOWS MEET EGRESS REQUIREMENTS AS MANUFACTURERS VARY.

ATTIC ACCESS:
MIN. ATTIC ACCESS SHALL BE PROVIDED BY BUILDER AND LOCATED ON SITE.

WALL/CEILING HGT.
WALL AND CEILING HEIGHT NOTES ARE BASED ON NOMINAL WALL SIZE. KNEE WALL HEIGHT LABELS FOR WALLS UNDER RAFTERS ASSUME AN EXTRA 2" FOR FURRING (IN HEATED SPACES) FOR INSULATION. THE WALL HEIGHT REFERS TO THE HGT. FROM THE FLOOR DECKING TO THE BOTTOM OF THE FURRING.

Heated Square Footage	
First Floor	2,129.6
Second Floor	719.4
	2,849.0

Unheated Square Footage	
Front Porch	201.0
Garage	567.3
Screened Porch	206.9

FIRST FLOOR

SCALE: 1/4"=1'

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FRANKLIN COUNTY NORTH CAROLINA
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Cantiere Homes
Bella Terra
Lot # 13

Sheet Title:
FIRST FLOOR PLAN

REVISIONS	
NUMBER	DATE

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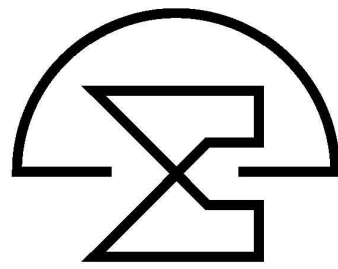
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Plan Number
M043-24

Sheet No. **A3**

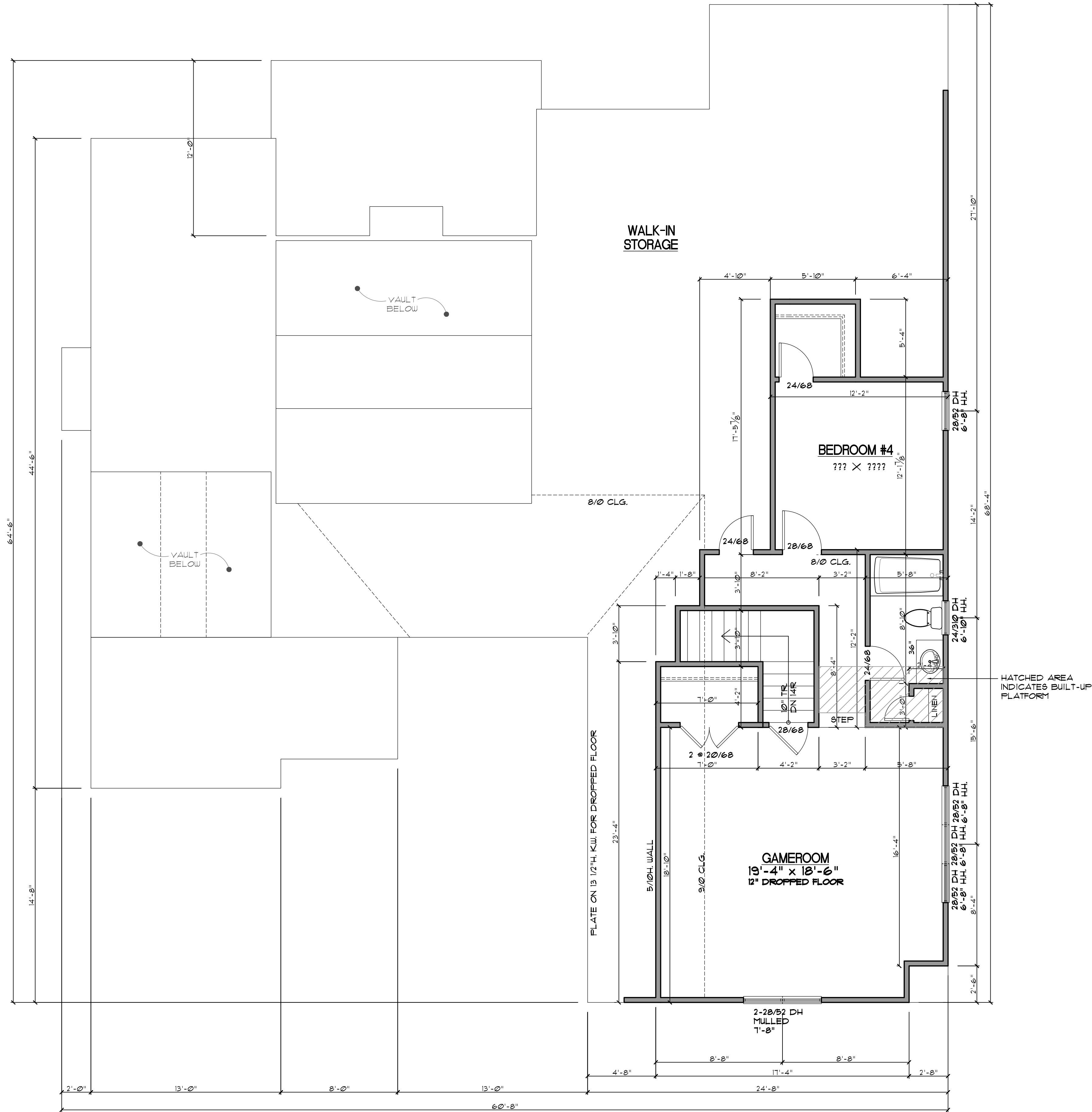
Drawn By: **MB**

Date: **05/09/24**



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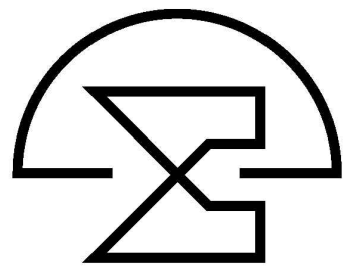
GENERAL NOTES

WALLS:
ALL WALLS ARE DRAWN 4" THICK UNO.
ANGLED WALL ARE DRAWN @45° UNO.
SMOKE DETECTORS:
LOCATION AND NUMBER OF DETECTORS SHALL CONFORM TO NEC.
EGRESS:
ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO R-310 OF THE N.C. BLDG. CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY CHOSEN WINDOWS MEET EGRESS REQUIREMENTS AS MANUFACTURERS VARY.
ATTIC ACCESS:
MIN. ATTIC ACCESS SHALL BE PROVIDED BY BUILDER AND LOCATED ON SITE.
WALL/CEILING HGT.
WALL AND CEILING HEIGHT NOTES ARE BASED ON NOMINAL WALL SIZE.
KNEE WALL HEIGHT LABELS FOR WALLS UNDER RAFTERS ASSUME AN EXTRA 2" FOR FLOORING (IN HEATED SPACES) FOR INSULATION. THE WALL HEIGHT REFERS TO THE HGT. FROM THE FLOOR DECKING TO THE BOTTOM OF THE FLOORING.

SECOND FLOOR

SCALE: 1/4"=1'

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Cantiere Homes
Bella Terra
Lot # 13

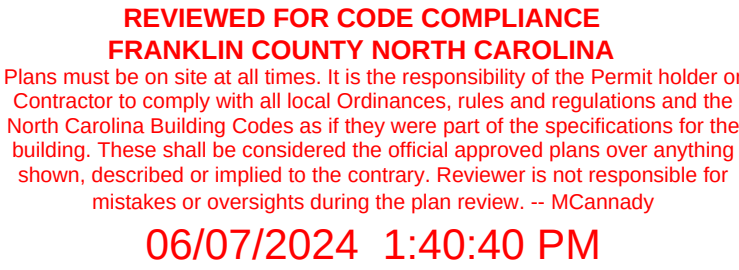
Sheet Title:
SECOND FLOOR PLAN

REVISIONS	
NUMBER	DATE

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Sheet No. **A4**
Drawn By: **MB**
Date: **05/09/24**

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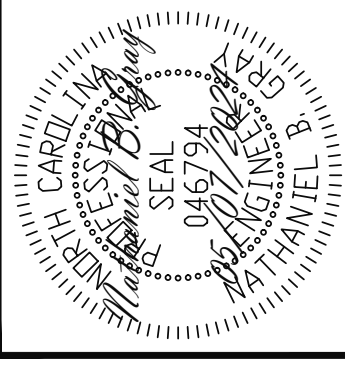
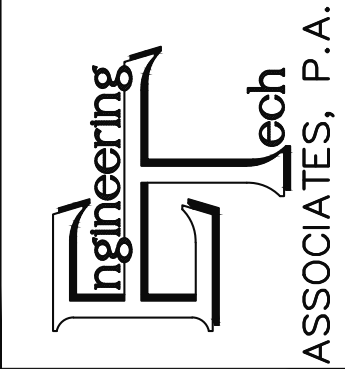


NOTES:

- HEIGHT AND BACKFILL LIMITATIONS FOR FOUNDATION WALLS ARE TO BE GOVERNED BY THE NCSBC, LATEST EDITION.
- FIBER MESH REINFORCED CONCRETE MAY BE USED IN LIEU OF WELDED WIRE FABRIC.

FOUNDATION

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CUSTOMER:	CANTIERE HOMES, INC.		
SCOPE:	STRUCTURAL ADDENDUM		
LOT #:	13 BELLA TERRA	ENG:	PAU/NIBG
		REV:	
		DATE:	05/07/2024

PLAN NO.
M043-24

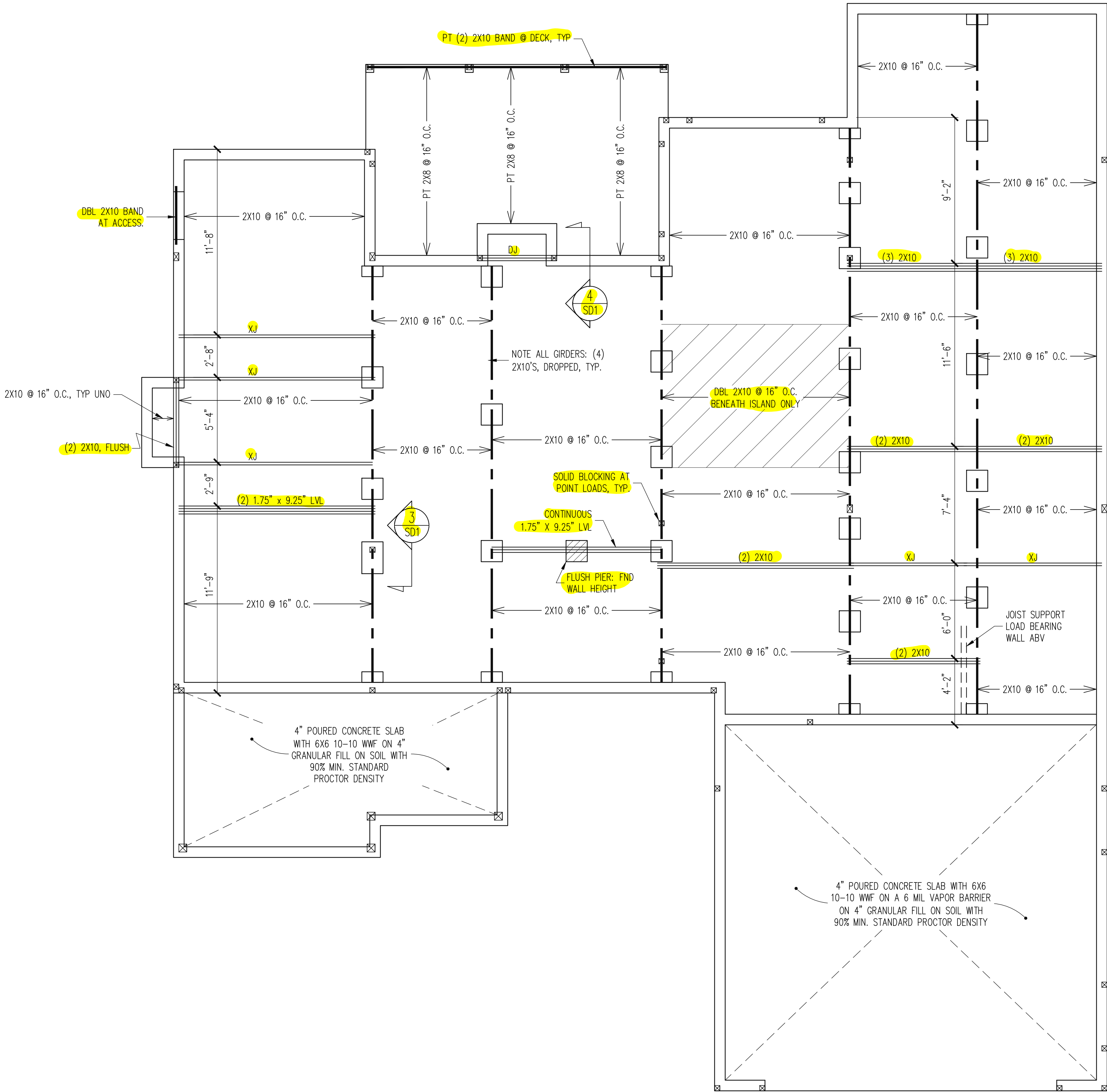
PROJECT NO.
24-21-123

SHEET NO.
S1
1 of 6

REVIEWED FOR CODE COMPLIANCE
FRANKLIN COUNTY NORTH CAROLINA

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06/07/2024 1:40:40 PM

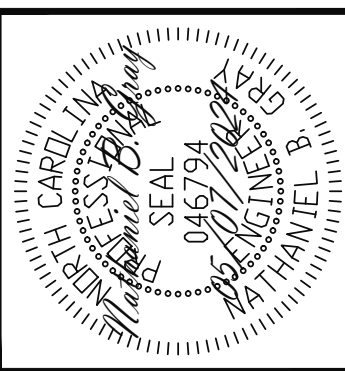


CRAWL SPACE FRAMING PLAN

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

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**Engineering
H Tech
ASSOCIATES, P.**



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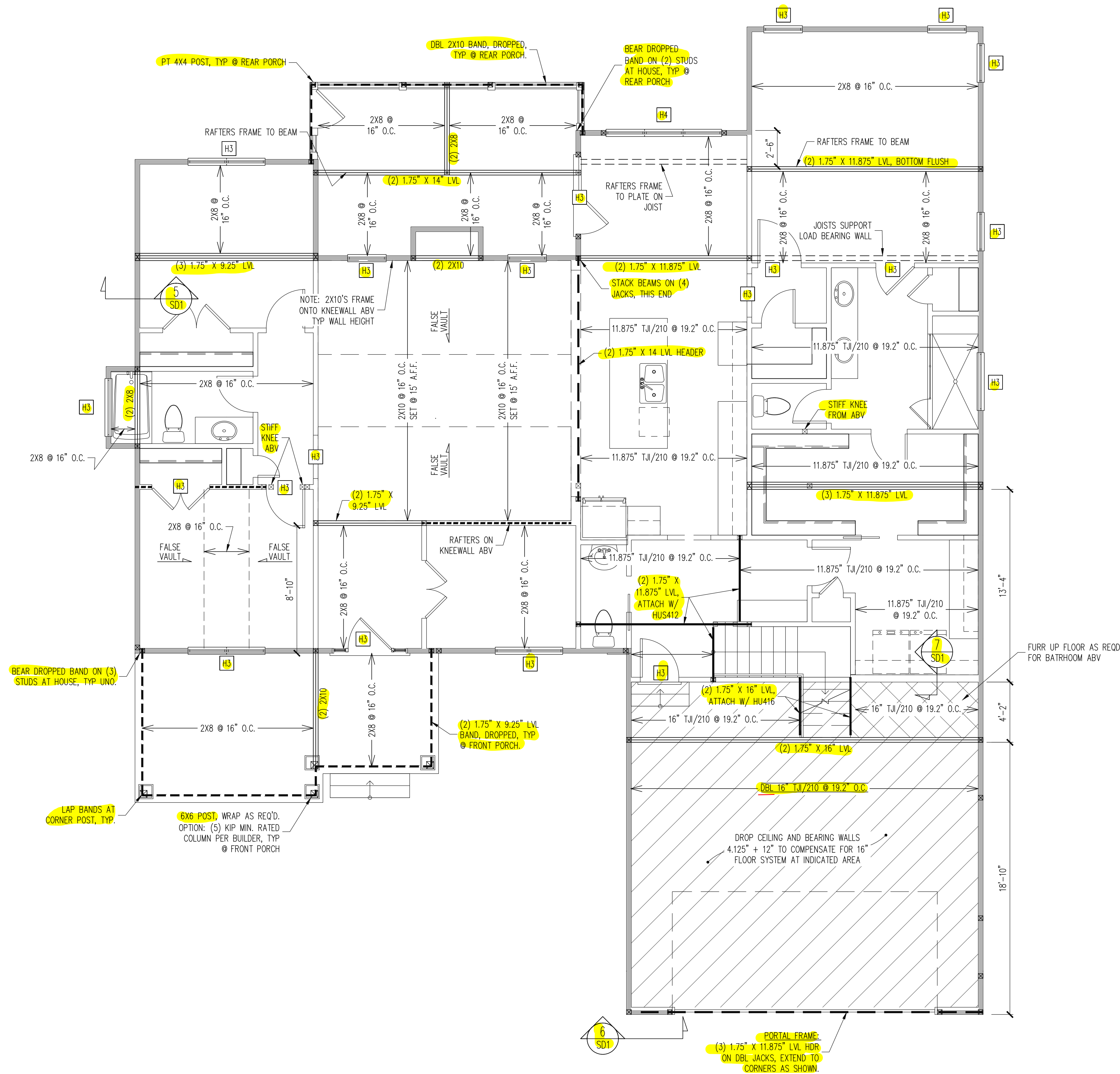
CUSTOMER:	CANTIERE HOMES, INC.		
SCOPE:	STRUCTURAL ADDENDUM		
LOT #:	13 BELLA TERRA	ENG:	PAU/NIBG
		REV:	
		DATE:	05/07/2024

PLAN NO.
M043-24

PROJECT NO.
24-21-123

S2

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06/07/2024 1:40:40 PM



REQUIRED STUDS FOR BEAM SUPPORT

REFER TO SECTIONS 5.02 - 5.06 OF THE CONSTRUCTION SPECIFICATIONS FOR REQUIRED NUMBER OF STUDS FOR BEAM SUPPORT, TYP UNO.

WALL BRACING

1ST FLOOR ONLY

ALL EXTERIOR STUD WALLS 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.

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 8d 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.

SHADED WALLS:

PROVIDED CONTINUOUS SHEATHING = 272' MIN.
-WALL BRACING IS BY ENGINEERED DESIGN AND NOT PRESCRIPTIVE PER SECTION 602.10 OF THE 2012 NCRC. CONTINUOUS SHEATHING HAS BEEN PROVIDED, ALONG WITH ALTERNATIVE METHODS TO INSURE THE MINIMUM INTENT OF SECTION 602.10 OF THE 2012 NCRC HAS BEEN MET AND EXCEEDED.

HEADER SCHEDULE

1ST FLOOR ONLY

- | | |
|----|--------------------------------------|
| 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 | (2) 2X10'S ON DBL JACKS, B.E. |

- (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.

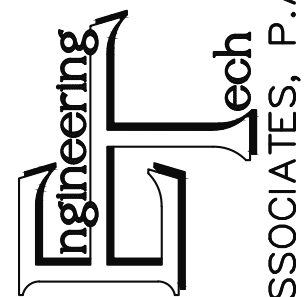
NOTES:
-HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED.

*REQUIRED NUMBER OF KING STUDS FOR EXTERIOR HEADERS DETERMINED BY NCRCB TABLE 602.3(5) UNLESS NOTED OTHERWISE ON PLAN.

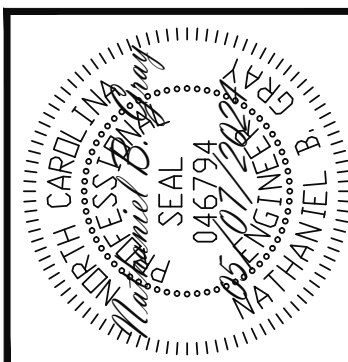
1ST FLOOR FRAMING PLAN

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

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ASSOCIATES, P.A.



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CLIENT: CANTIERE HOMES, INC.

SCOPE: STRUCTURAL ADDENDUM

LOT #: 13 BELLA TERRA

ENG: PAUNBG

REV:

DATE: 05/07/2024

PLAN NO.

M043-24

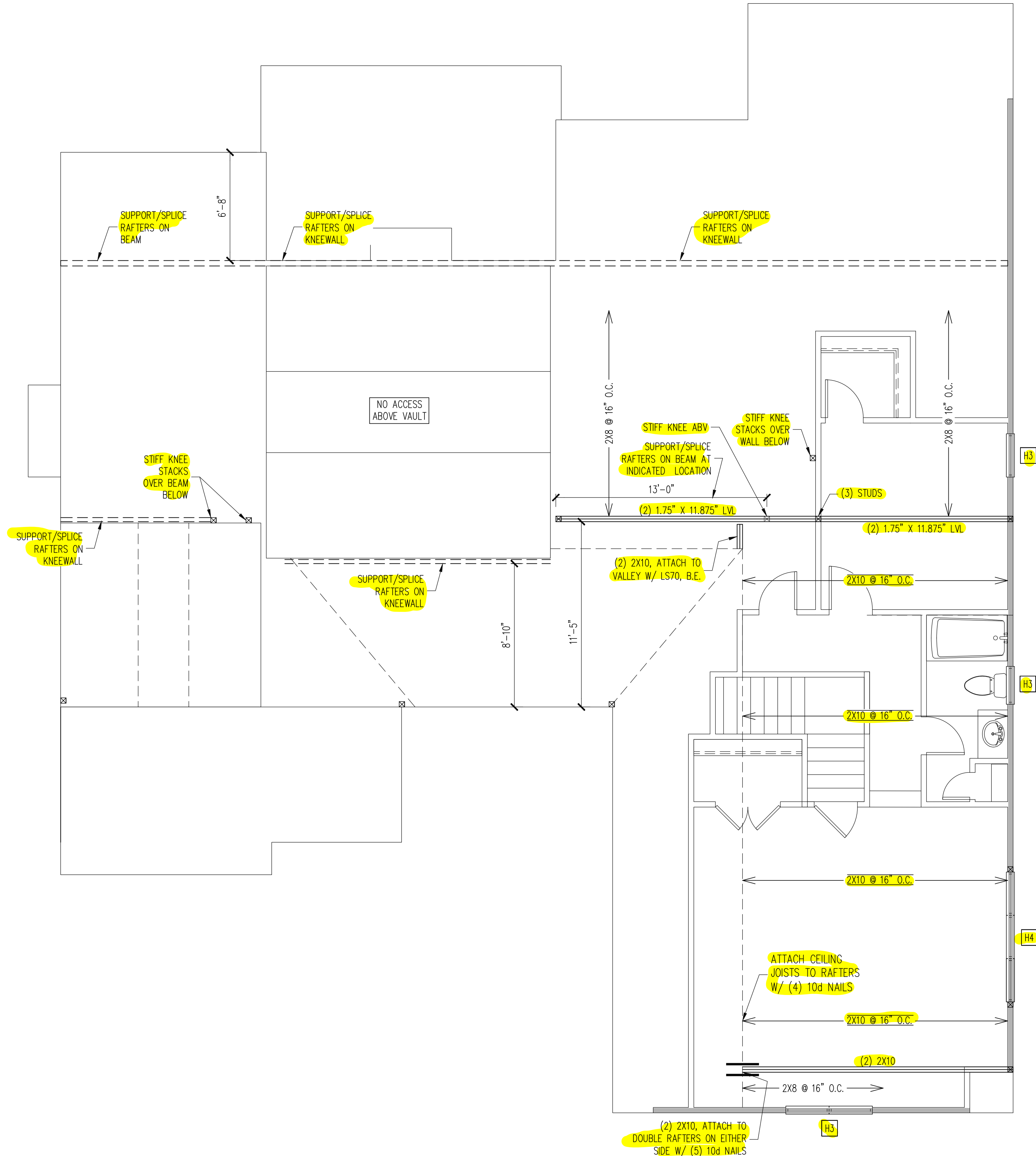
PROJECT NO.

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SHEET NO.

S3

3 of 6



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06/07/2024 1:40:40 PM

WALL BRACING

2ND FLOOR ONLY

ALL EXTERIOR STUD WALLS 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.

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 8d 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.

SHADED WALLS:

PROVIDED CONTINUOUS SHEATHING = 80" MIN.
-WALL BRACING IS BY ENGINEERED DESIGN AND NOT PRESCRIPTIVE PER SECTION 602.10 OF THE 2012 NCRC. CONTINUOUS SHEATHING HAS BEEN PROVIDED, ALONG WITH ALTERNATIVE METHODS TO INSURE THE MINIMUM INTENT OF SECTION 602.10 OF THE 2012 NCRC HAS BEEN MET AND EXCEEDED.

HEADER SCHEDULE

2ND FLOOR ONLY

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	(2) 2X10'S ON DBL JACKS, B.E.

(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.

*REQUIRED NUMBER OF KING STUDS FOR EXTERIOR HEADERS DETERMINED BY NCRC TABLE 602.3(5) UNLESS NOTED OTHERWISE ON PLAN.

REQUIRED STUDS FOR BEAM SUPPORT

REFER TO SECTIONS 5.02 - 5.06 OF THE CONSTRUCTION SPECIFICATIONS FOR REQUIRED NUMBER OF STUDS FOR BEAM SUPPORT, TYP UNO.

2ND FLOOR FRAMING PLAN
WALLS AND CEILING
1/4" = 1'-0"

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Raleigh, North Carolina 27609
Phone: (919) 844-1661

Engineering Tech
ASSOCIATES, P.A.

Seal of the State of North Carolina
Professional Engineer
JAMES B. McMANAMY
045794
06/07/2024
MATTHEW B. McMANAMY

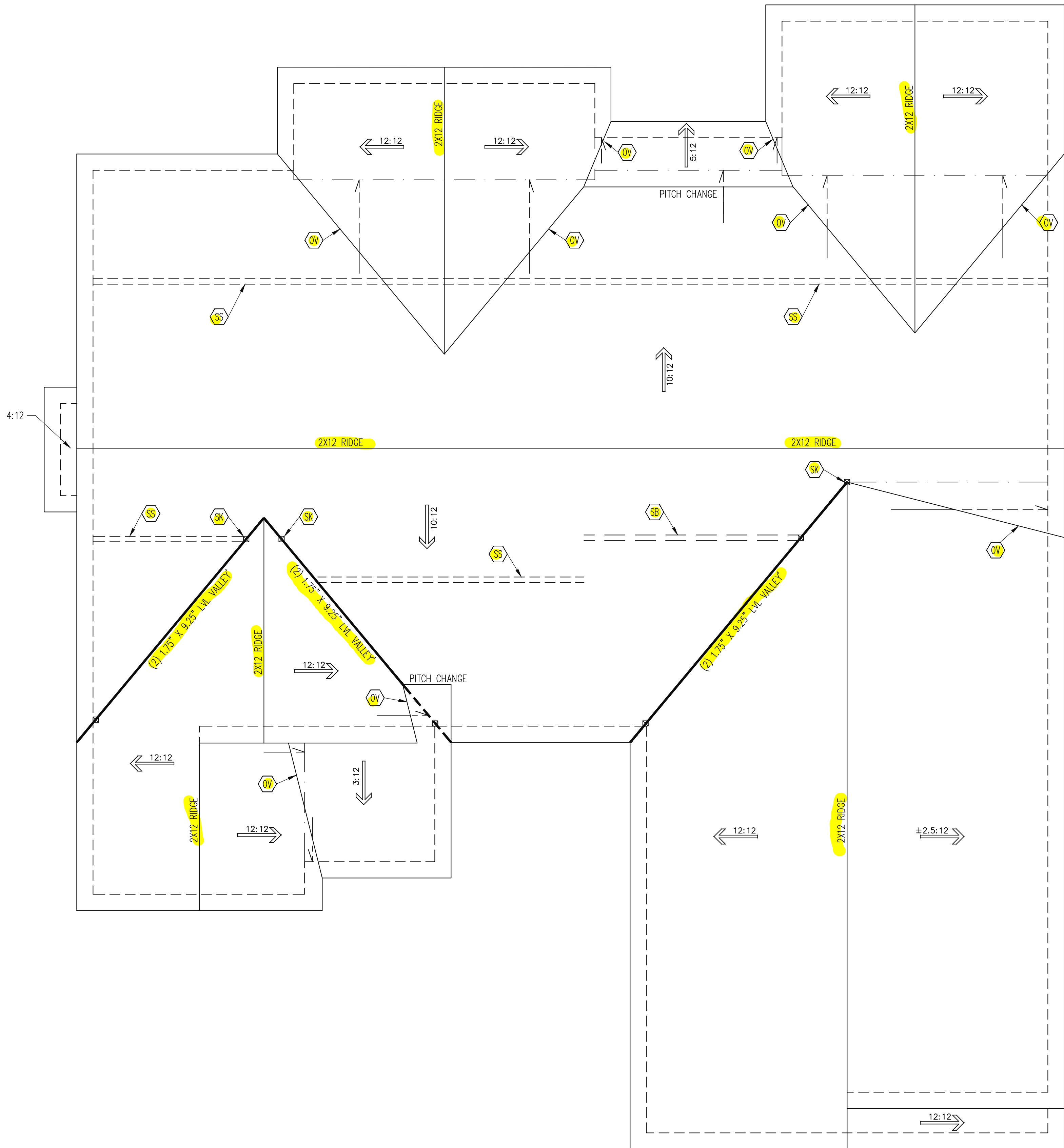
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CLIENT:	CANTIERE HOMES, INC.
SCOPE:	STRUCTURAL ADDENDUM
LOT #:	13 BELLA TERRA
ENG:	PAUNBG
REV:	
DATE:	05/07/2024

PLAN NO.
M043-24

PROJECT NO.
24-21-123

SHEET NO.
S4
4 of 6



REVIEWED FOR CODE COMPLIANCE
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FRAMING SCHEDULE
ROOF ONLY

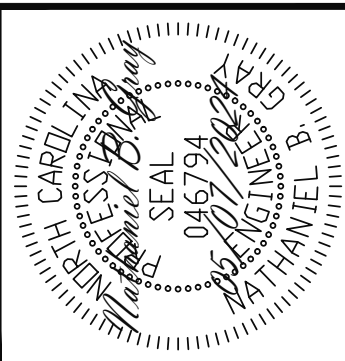
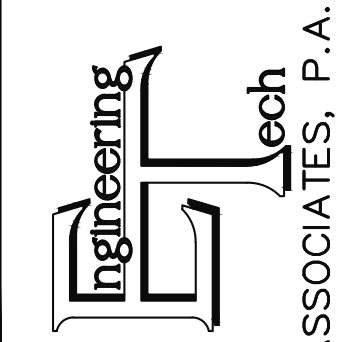
- OV OVERFRAME VALLEY (2X10 SLEEPER)
SK DBL 2X4 STIFF KNEE
SS SUPPORT/SPLICE RAFTERS ON KNEEWALL BELOW
SB SUPPORT/SPLICE RAFTERS ON BEAM BELOW

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.
—ROOF PITCHES 12:12 TYP U.N.O.
—VERIFY ALL KNEEWALL HEIGHTS AND ARCHITECTURAL OVERHANGS PRIOR TO CONSTRUCTION

ROOF FRAMING PLAN
1/4" = 1'-0"

STRUCTURAL ENGINEERS
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Raleigh, North Carolina 27609
Phone: (919) 844-1661



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CLIENT:	CANTIERE HOMES, INC,
SCOPE	STRUCTURAL ADDENDUM
LOT #:	13 BELLA TERRA
ENG:	PAU/NBC
REV:	
DATE:	05/07/2024

PLAN NO.
M043-24

PROJECT NO.
24-21-123

SHEET NO.
S5
5 of 6

CONSTRUCTION SPECIFICATIONS

PART 1: GENERAL		
1.01	CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.	
1.02	DIMENSIONS SHOW 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, UNLIVING 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 VALUETS)
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. - BALUET 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 5: CONCRETE AND SLABS ON GRADE		
5.01	CAST IN PLACE CONCRETE SHALL BE OF NORMAL WEIGHT, 4-05 AN ENTRAINMENT, FOR EXTERIOR CONCRETE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS TYP UNDO. ALL ITEMS NOTED AS CONCRETE ARE TO BE CAST IN PLACE, TYP UNDO.	
5.02	REINFORCED CAST IN PLACE CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED IN ACCORDANCE WITH THE SPECIFICATIONS OF ACI 308, 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 LB/SQ YD, TO BE PLACED ON A 4" MIN VAPOR BARRIER OR 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 UNDO.	
6.02	LAP SPICES SHALL BE CLASS B AS DEFINED BY ACI 308, TYP UNDO.	
6.03	WIRE REINFORCEMENT SHALL BE #4 AND SHALL CONFORM TO ASTM A1064.	
PART 7: MASONRY		
7.01	CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 AND CSS, NORMAL WEIGHT, FN = 1500 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, #16 W/LAPS FOR CONTINUOUS WALL APPLICATIONS.	
PART 8: BOLTS AND LAG SCREWS		
8.01	BOLTS SHALL CONFORM TO ASTM A307 MINIMUM GRADE TYP UNDO. INSTALL STANDARD STEEL WASHERS (ASTM F444-07A) FOR THE NUT / BOLT HEAD WHEN BOLTING WALL MEMBERS. NUTS FOR BOLTS SHALL BE A55, STANDARD HOLES UNDO.	
8.02	LAG SCREWS SHALL CONFORM TO ANS/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 F444-07A) FOR	

NOTES

THE BUILDER IS RESPONSIBLE FOR REVIEWING PLANS PRIOR TO CONSTRUCTION. THE BUILDER SHALL IMMEDIATELY CONTACT THE ENGINEER (OR) 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 THAT ANY REVISIONS ISSUED BY THE EOR ARE PROMPTLY DISTRIBUTED TO THE SUBCONTRACTORS	
THE EOR DOES NOT PERFORM PENETRATION 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	

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" # BOLT @ 42" O.C. AND (2) ROWS OF 12d NAILS @ 8" O.C. OR TWO ROWS OF SIMPSON SDWS224000B @ d = 32" O.C. STAGGERED	ONE - 5/8" # BOLT @ 20" O.C. AND (2) ROWS OF 12d NAILS @ 8" O.C. OR TWO ROWS OF SIMPSON SDWS224000B @ d = 16" O.C. STAGGERED
B. BRICK VENEER STRUCTURES	JOIST LENGTH	
	UP TO 8' MAX.	UP TO 16' MAX.
REQUIRED FASTENERS	ONE - 5/8" # BOLT @ 28" O.C.	ONE - 5/8" # BOLT @ 16" O.C.
5. IF THE DECK BAND IS SUPPORTED BY A 1/2" MINIMUM MASONRY LEDGE ALONG THE FOUNDATION WALL, 5/8" # 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 CONNECTED TO THE SIDES OF POSTS WITH 2 - 5/8" # 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

MAXIMUM HEIGHT OF DECK SUPPORT POSTS IS AS FOLLOWS:

POST SIZE	MAX POST HEIGHT
4x4	8'
6x6	10'
ENGINEERED	20' +

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

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 ANGLE BRACED 45° AND 60° FROM THE HORIZONTAL. KNEE BRACES SHALL BE ATTACHED AT THE ENDS TO THE GORDER AND THE POST WITH ONE - 5/8" BOLT.

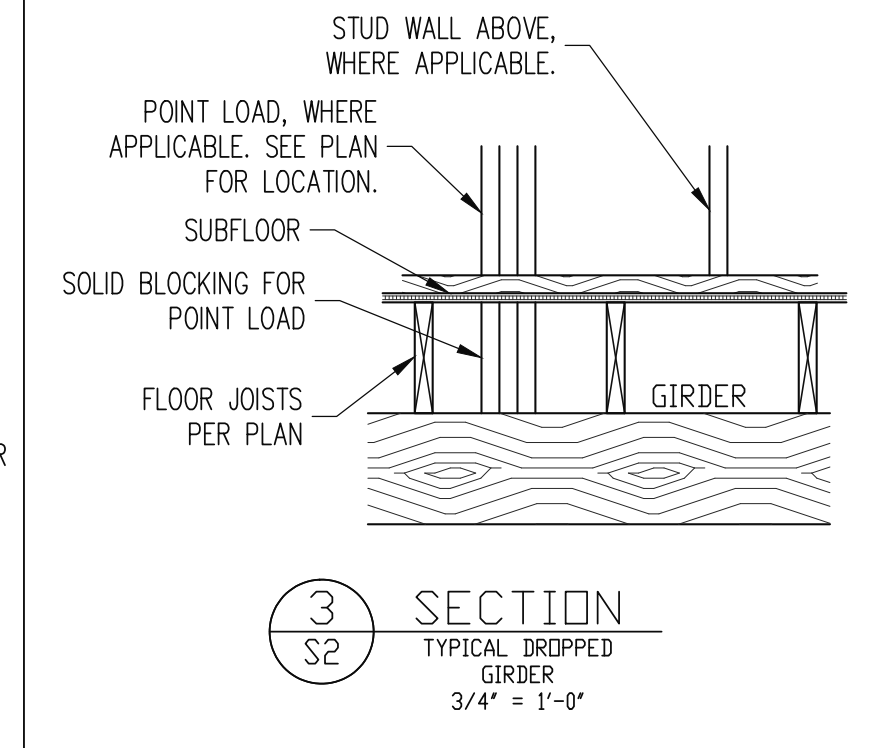
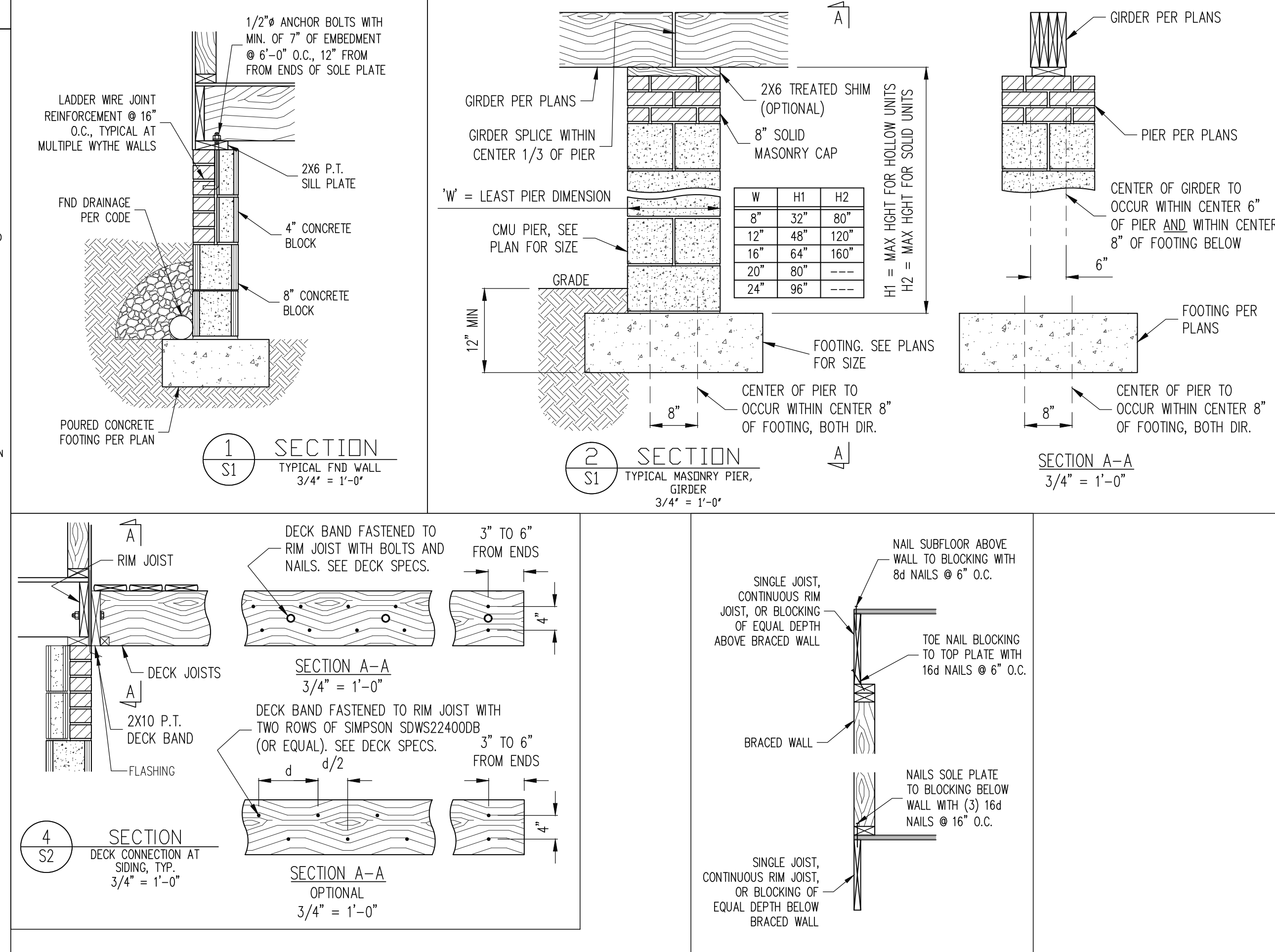
C. FOR FREE STANDING DECKS WITHOUT KNEE BRACES OR DIAGONAL BRACING, LATERAL STABILITY MAY BE PROVIDED BY EMBEDDING THE POSTS IN CONCRETE IN ACCORDANCE WITH THE FOLLOWING:

POST SIZE	EMBED. AREA	POST HEIGHT	EMB. DEPTH	CONC. DASH.
4x4	48 SQ. FT.	4'-0"	2'-0"	1'-8"
6x6	120 SQ. FT.	6'-0"	3'-6"	1'-8"

D. 2x6 DIAGONAL VERTICAL CROSS BRACES SHALL BE PROVIDED IN TWO PERPENDICULAR DIRECTIONS FOR FREE STANDING BRACES 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" BOLT AT EACH END OF THE BRACE.

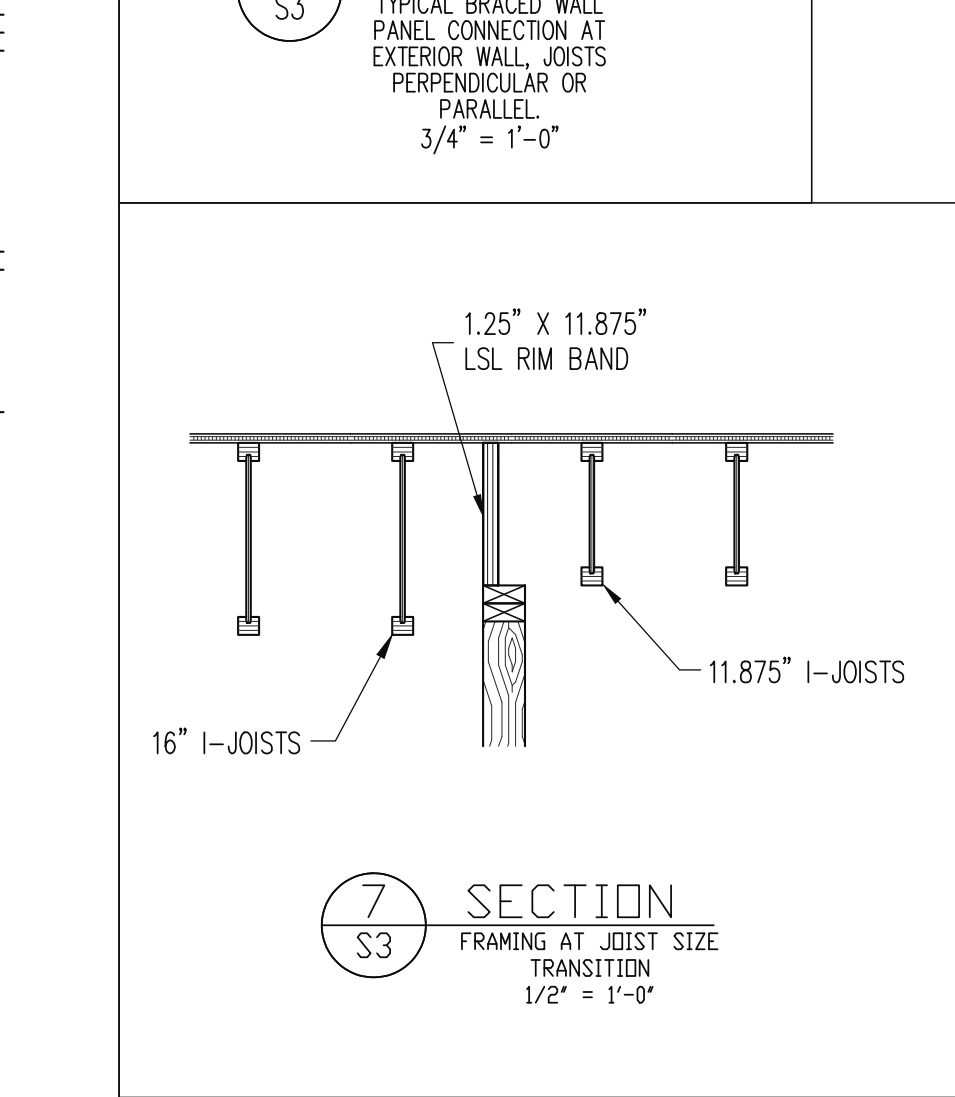
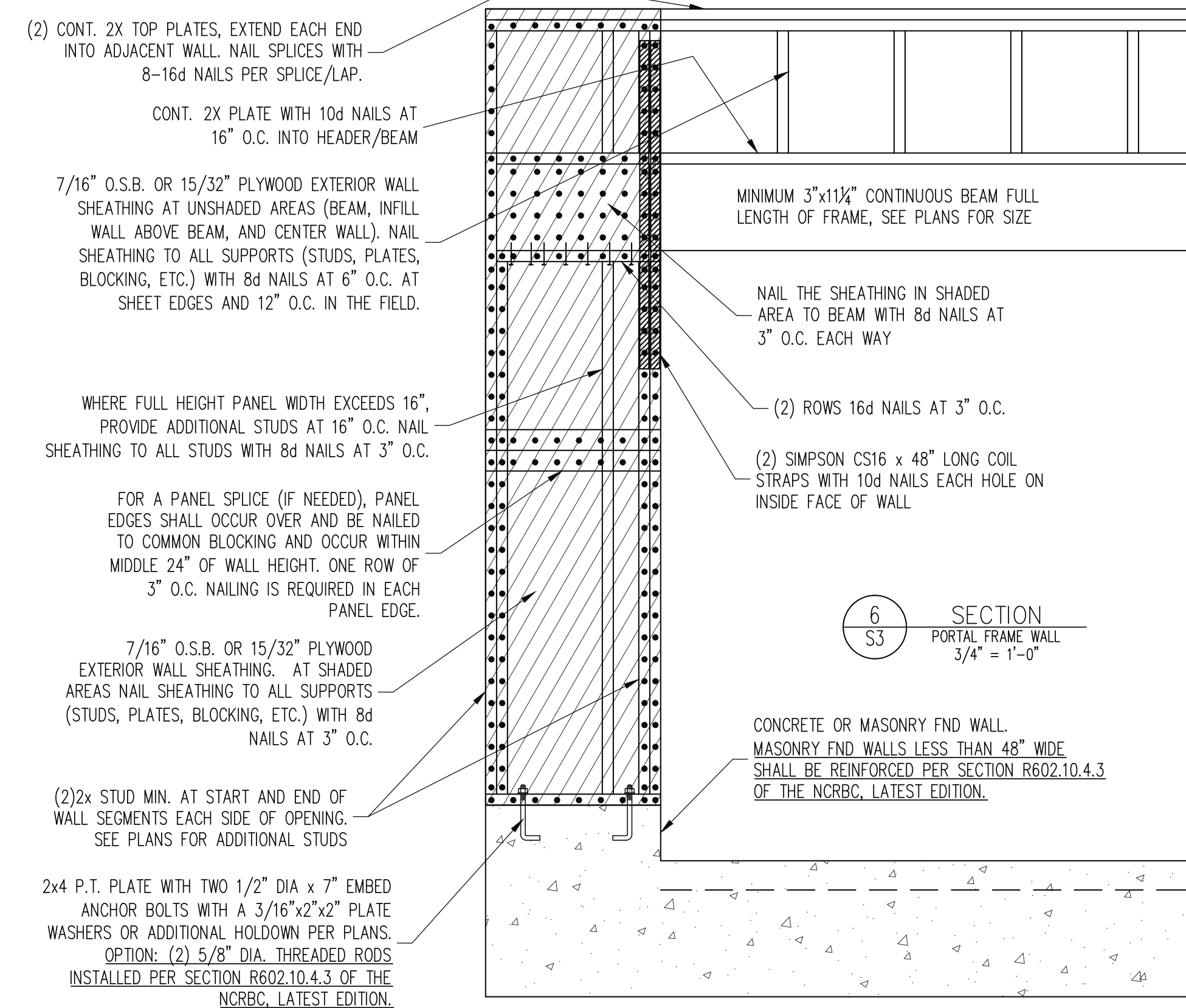
NOTES: 1) ALL NAILS AND BOLTS ARE TO BE HOT DIPPED GALVANIZED.
2) MINIMUM DECK DISTANCE FOR BRACKS IS 2' 1/2".
3) NAILS MUST PENETRATE THE SUPPORTING STRUCTURE BAND A MINIMUM OF 1 1/2".

PART 10: WOOD FRAMING AND BRACING		
10.01	STUD WALLS SHALL CONSIST OF 2X4 STUDS SPACED AT 16" O.C. UNDO. 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 UNDO.	
	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 2X8 FLOOR AT 8' HEIGHT AND AT 16' HEIGHT FOR TALL WALLS, TYP UNDO:	
	2X4 @ 16" O.C.: 11'-1 1/2"	2X6 @ 12" O.C.: 16'-8"
	2X4 @ 12" O.C.: 12'-1 1/2"	2X6 @ 12" O.C.: 16'-8"
	OSB 2X4 @ 16" O.C.: 13'-4"	DBL 2X6 @ 16" O.C.: 21'-0"
10.02	FOR WALL BRACING THE FOLLOWING SHALL APPLY:	
	- BLOCKING AT UNSPACED PANEL EDGES IS REQUIRED TYP UNDO.	
	- WALL BRACING IS BY ENGINEERED DESIGN AND NOT PRESCRIPTIVE PER SECTION 602.10 OF THE 2018 NCR. CONTINUOUS SHEATHING HAS BEEN PROVIDED, ALONG WITH ALTERNATE METHODS TO INSURE THE MINIMUM INTENT OF SECTION 602.10 OF THE 2018 NCR HAS BEEN MET AND EXCEEDED.	
	- BRACED WALL PANELS SHALL BE FASTENED IN ACCORDANCE WITH TABLE 602.3(V) TO PROVIDE CONTINUOUS PANEL UPLIFT RESISTANCE, AND COMPLIANCE WITH NORMS R602.13 AND R602.11 UNLESS NOTED OTHERWISE ON STRUCTURAL PLANS.	
	- MAY SUBSTITUTE WSP FOR SB.	
	- SINGLE JOIST CONTINUOUS RIM JOIST, OR BLOCKING OF EQUAL DEPTH IS REQUIRED ABOVE AND BELOW ALL BRACED WALLS. WALL BLOCKING ABOVE WALL TO TOP PLATE WITH 16d TOP NAILS @ 6" O.C. NAIL SOLE PLATE OF BRACED WALL TO BLOCKING BELOW WITH (3) 16d NAILS @ 6" O.C. BLOCKING AT HORIZONTAL JOINTS IN BRACED WALL LINES ONLY REQUIRED AT SHADED WALLS, UNDO.	
PART 17: KING STUDS		
17.01	KING STUDS FOR OPENINGS IN EXTERIOR WALLS SHALL BE AS FOLLOWS:	
	NUMBER OF KING STUDS	
	MAX. OPENING WIDTH	6'-0" 8'-0" 9'-0" 13'-0" 17'-0" 21'-0"
	STUD SIZE	2X4 1 2 3 4 5
	2X6 1 1 1 1 2	
PART 18: SUBSTITUTIONS		
18.01	MATERIAL OR MEMBER SIZE SUBSTITUTIONS OR PLAN DEVIATIONS REQUIRE THE WRITTEN AUTHORIZATION OF THE DESIGNER. UNAUTHORIZED DEVIATIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.	
PART 19: OVERSIGHT 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.	



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CLIENT:	CANTIERE HOMES, INC.
SCOPE:	STRUCTURAL ADDENDUM
LOT #:	13 BELLA TERRA
ENG:	PAUN/BC
REV:	
DATE:	05/07/2024

PLAN NO.	M043-24
PROJECT NO.	24-21-123
SHEET NO.	SD1
6 of 6	