- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL DIMENSIONS, ROOF PITCHES, AND SQUARE FOOTAGE ARE CORRECT PRIOR TO CONSTRUCTION. K&A HOME DESIGNS, INC. IS NOT RESPONSIBLE FOR ANY DIMENSIONING, ROOF PITCH, OR SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
- 2. ALL WALLS SHOWN ON THE FLOOR PLANS ARE DRAWN AT 4" UNLESS NOTED OTHERWISE.
- 3. ALL ANGLED WALL SHOWN ON THE PLANS ARE 45 DEGREES UNLESS NOTED OTHERWISE.
- 4. STUD WALL DESIGN SHALL CONFORM TO ALL NORTH CAROLINA STATE BUILDING CODE REQUIREMENTS.
- 5. DO NOT SCALE PLANS. DRAWING SCALE MAY BE DISTORTED DUE TO COPIER IMPERFECTIONS.
- 6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH CAROLINA RESIDENTIAL STATE BUILDING CODE, 2018 EDITION.

### **SQUARE FOOTAGE**

<u>HEATED SQUARE F</u>	<u>OOTAGE</u>	<u>UNHEATED SQUARE FOOTAG</u>
FIRST FLOOR=	1944	GARAGE = 619
SECOND FLOOR=	899	FRONT PORCH= 289
THIRD FLOOR=	N/A	SCREEN PORCH= 216
BASEMENT=	N/A	$3^{rd}$ . CAR GAR.= 240
		STORAGE= N/A
TOTAL HEATED=	2843	TOTAL UNHEATED= 1364

#### CRAWL SPACE VENTILATION CALCULATIONS

-VENT LOCATIONS MAY VARY FROM THOSE SHOWN ON THE PLAN BUT SHOULD BE PLACED TO PROVIDE ADEQUATE VENTILATION AT ALL POINTS TO PREVENT DEAD AIR POCKETS.

-100% VAPOR BARRIER MUST BE PROVIDED WITH 12" MIN. LAP JOINTS.

-THE TOTAL AREA OF VENTILATION OPENINGS MAY BE REDUCED TO 1/1500 AS LONG AS REQUIRED OPENINGS ARE PLACED SO AS TO PROVIDE CROSS-VENTILATION OF THE SPACE. THE INSTALLATION OF OPERABLE LOUVERS SHALL NOT BE PROHIBITED. (COMPLY WITH NC CODE MIN. WITH REGARD TO VENT PLACEMENT FROM CORNERS)

1944 SQ. FT. OF CRAWL SPACE/1500

1.2 SQ. FT. OF REQUIRED VENTILATION

PROVIDED BY: 3 VENTS AT 0.45 SQ. FT. NET FREE

VENTILATION EACH= 1.35 SQ. FT. OF VENTILATION

\*\*FOUNDATION DRAINAGE- WATERPROOFING PER SECTIONS 405 & 406.

# **ATTIC VENTILATION CALCULATIONS**

- CALCULATIONS SHOWN BELOW ARE BASED ON VENTILATORS USED AT LEAST 3 FT. ABOVE THE CORNICE VENTS WITH THE BALANCE OF VENTIALTION PROVIDED BE EAVE VENTS.
- CATHEDRAL CEILINGS SHALL HAVE A MIN. 1" CLEARANCE BETWEEN THE BOTTOM OF THE ROOF DECK AND THE INSULATION.

307 SQ. FT. OF ATTIC/300= 11.02

EACH OF INLET AND OUTLET REQUIRED.

\*WALL AND ROOF CLADDING DESIGN VALUES

- WALL CLADDING IS DESIGNED FOR A 24.1 SQ. FT. OR GREATER POSITIVE AND NEGATIVE PRESSURE.
- ROOF VALUES BOTH POSITVE AND NEGATIVE SHALL BE AS FOLLOWS:

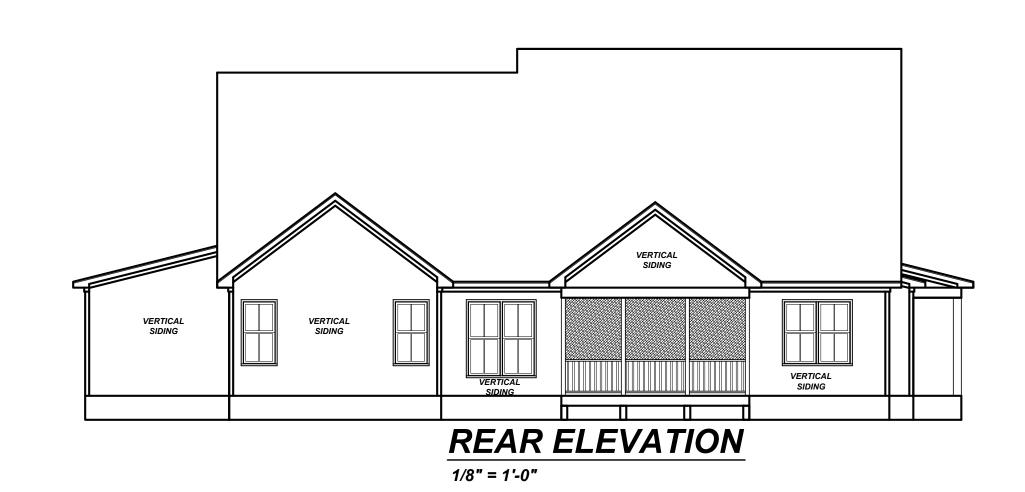
45.5 LBS. PER SQ. FT. FOR ROOF PITCHES OF 0/12 TO 2.25/12

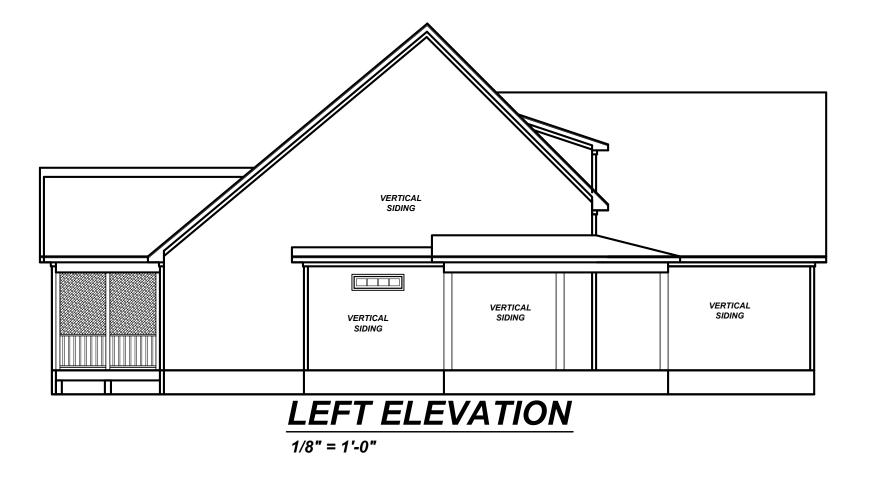
34.8 LBS. PER SQ. FT. FOR ROOF PITCHES OF 2.25/12 TO 7/12

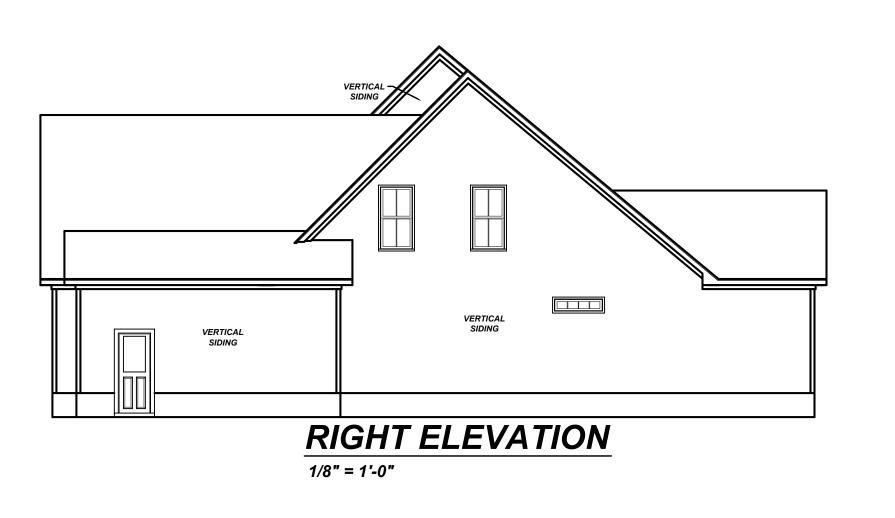
21 LBS. PER SQ. FT. FOR ROOF PITCHES OF 7/12 TO 12/12

\*\* MEAN ROOF HEIGHT 30' OR LESS

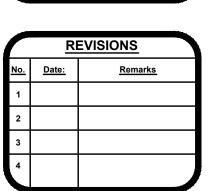












1101 Ten-Ten Rd. kaleigh, NC 27603 Office: (919) 302-0693



Lot 59, Cotton Farms

Paramount Homes 9904 Wishing Willow Dr Raleigh, NC 27603

**ELEVATIONS** 

Sheet Number

Project #: 23-183

6-1-23

Drawn/Design By:

KBB

Scale:

1/4" = 1'-0"

REVISIONS

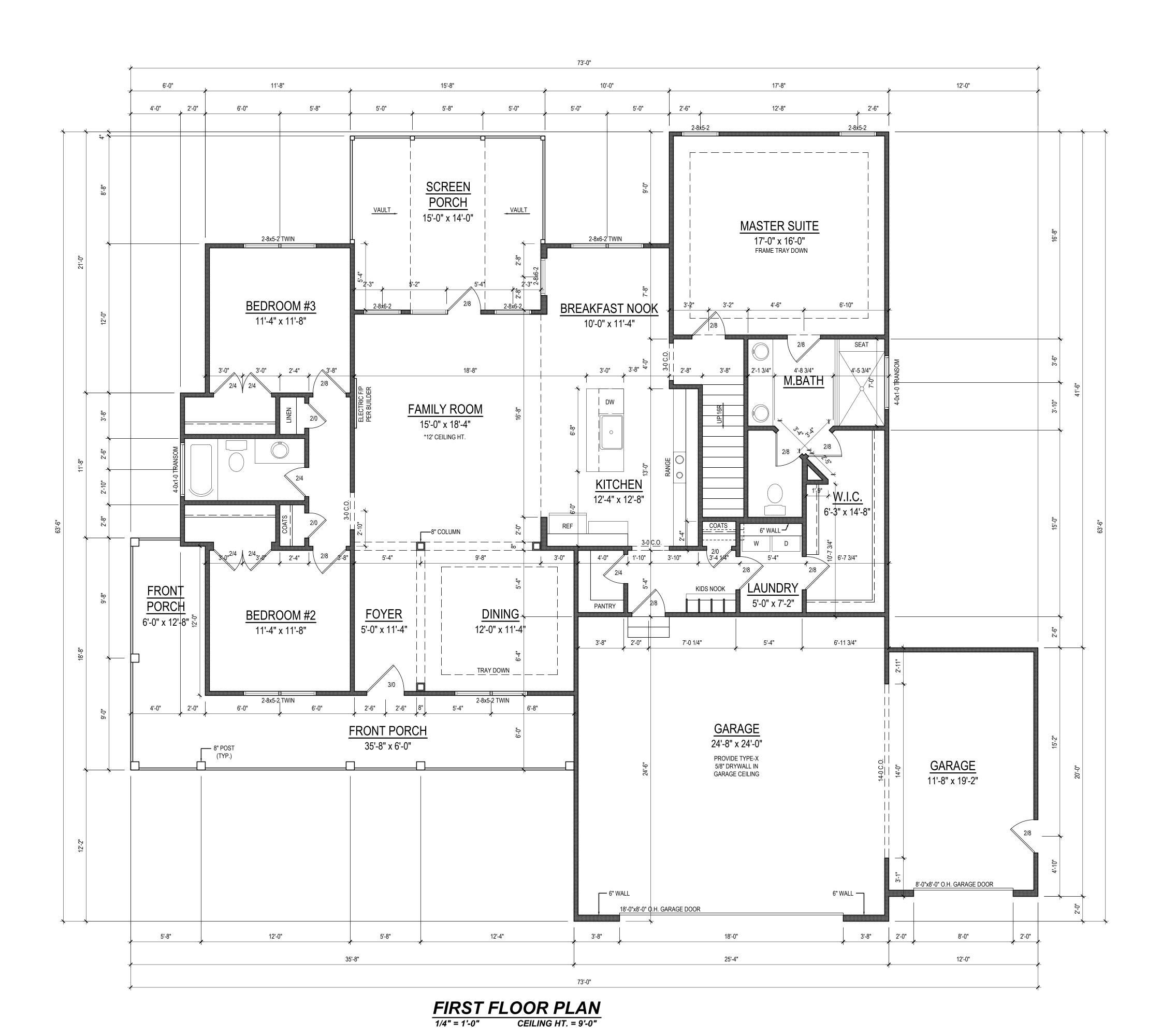
Paramount Homes 9904 Wishing Willow Dr. Raleigh, NC 27603

FIRST FLOOR

Sheet Number

2

of 3



Project #: 23-183

6-1-23

Drawn/Design By:
KBB

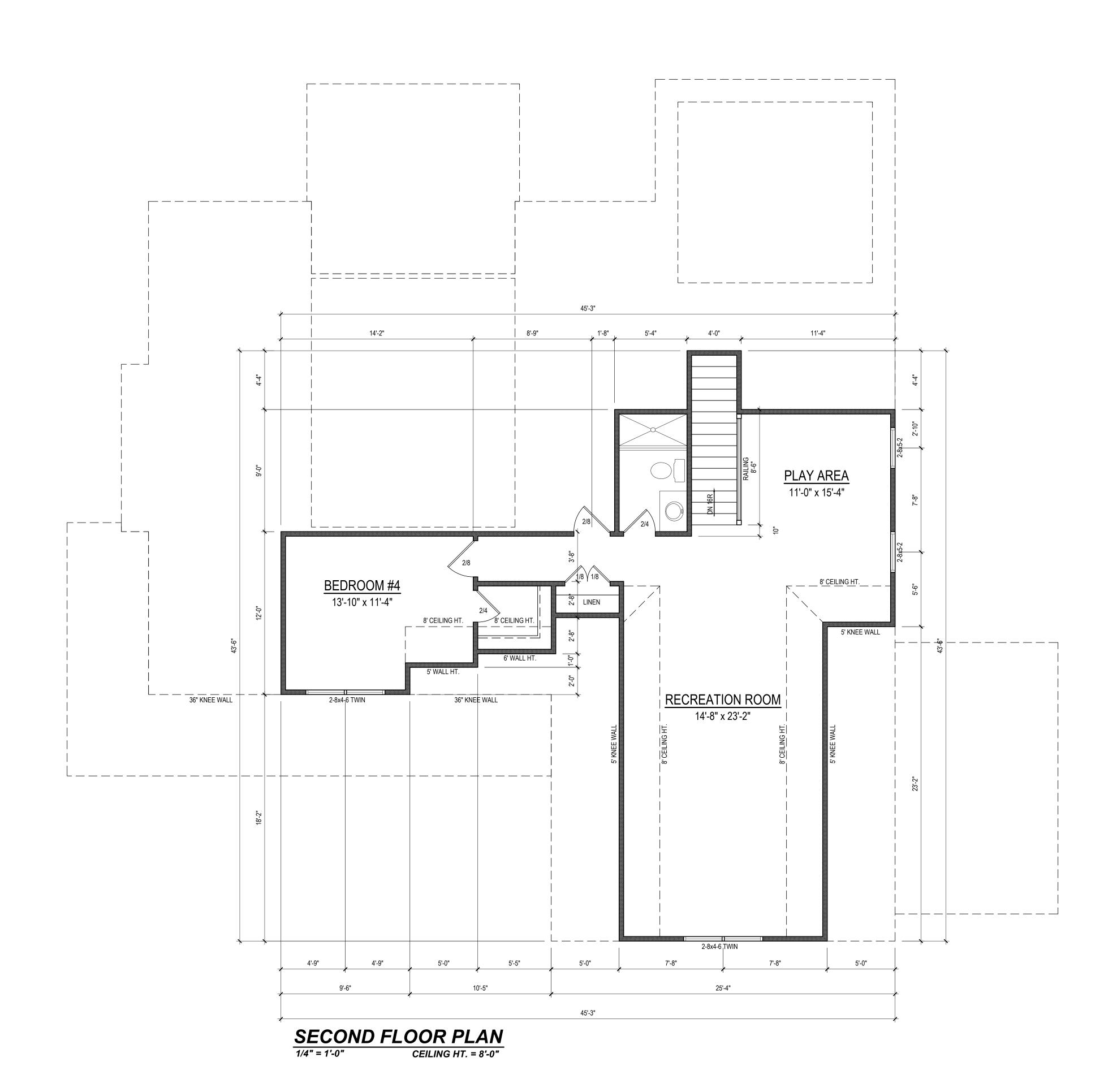
Scale:

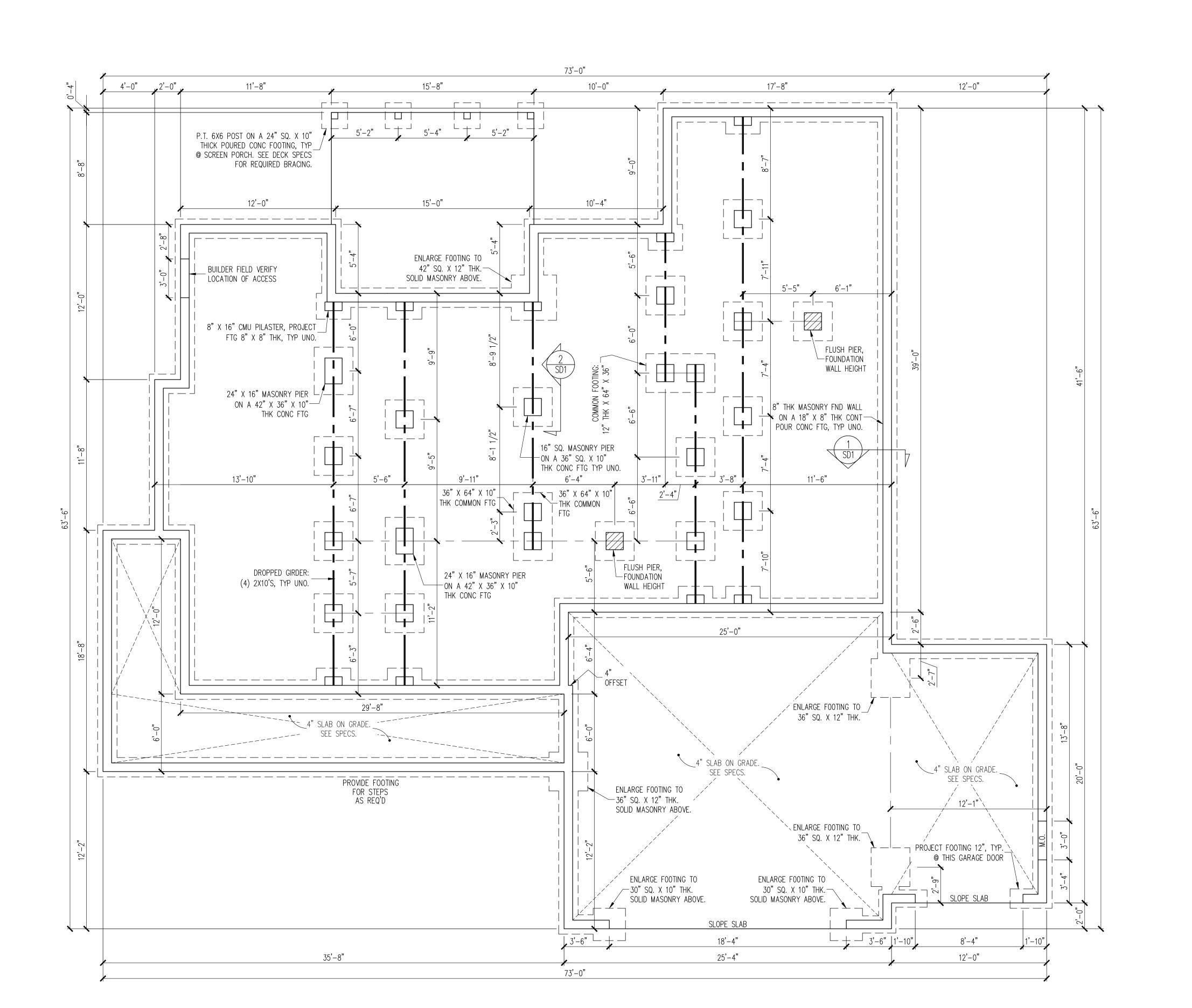
1/4" = 1'-0"

Paramount Homes
9904 Wishing Willow Dr.
Raleigh, NC 27603

SECOND FLOOR

Sheet Number





ENG: CIB/CMC

DATE: 06/30/2023

PROJECT NO. 23-65-159

SHEET NO.

FOUNDATION PLAN of 6

1/4" = 1'-0"

CONSTRUCTION SPECIFICATIONS INSTANT REFERENCES

REFER TO THE CONSTRUCTION SPECIFICATIONS

SECTIONS FOR THE FOLLOWING INFORMATION:

PART 16.02: GENERAL WALL BRACING NOTES

PART 17: KING STUDS FOR EXTERIOR WALLS

SEE DETAIL / CONSTRUCTION SPECIFICATIONS

SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

FOUNDATION SCHEDULE

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.

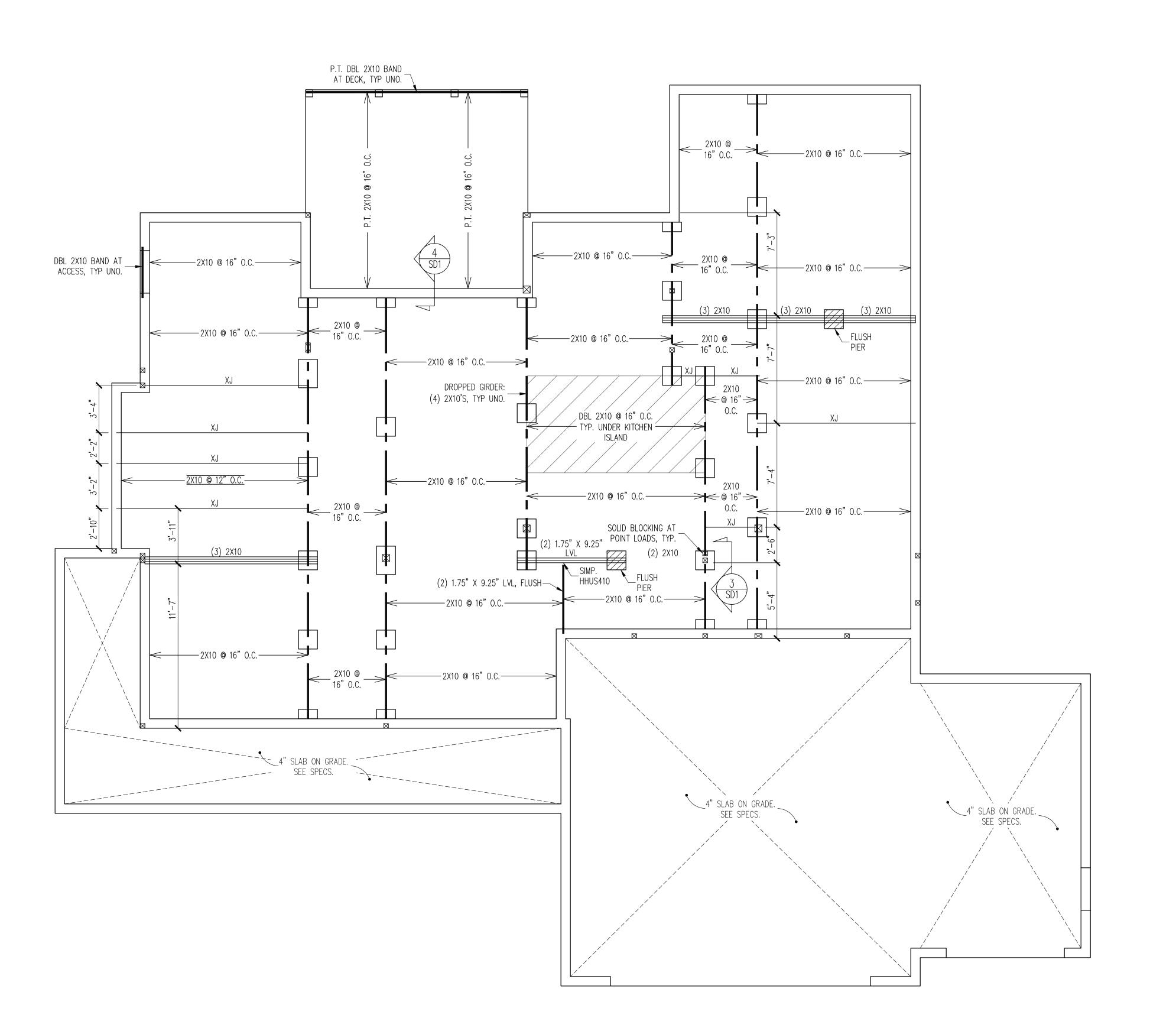
-BUILDER TO FIELD LOCATE CRAWLSPACE

ENGINEER APPROVAL.

ACCESS OPENING WITH MINIMUM DIMENSIONS OF 18X24. DO NOT LOCATE ACCESS OPENING BELOW POINT LOADS FROM ABOVE WITHOUT

PART 1.01: <u>CURRENT GOVERNING CODE</u>

PART 14: <u>STUD SUPPORT FOR BEAMS</u>



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/ # REF PROJ # DATE

ASSOCIATES, P.

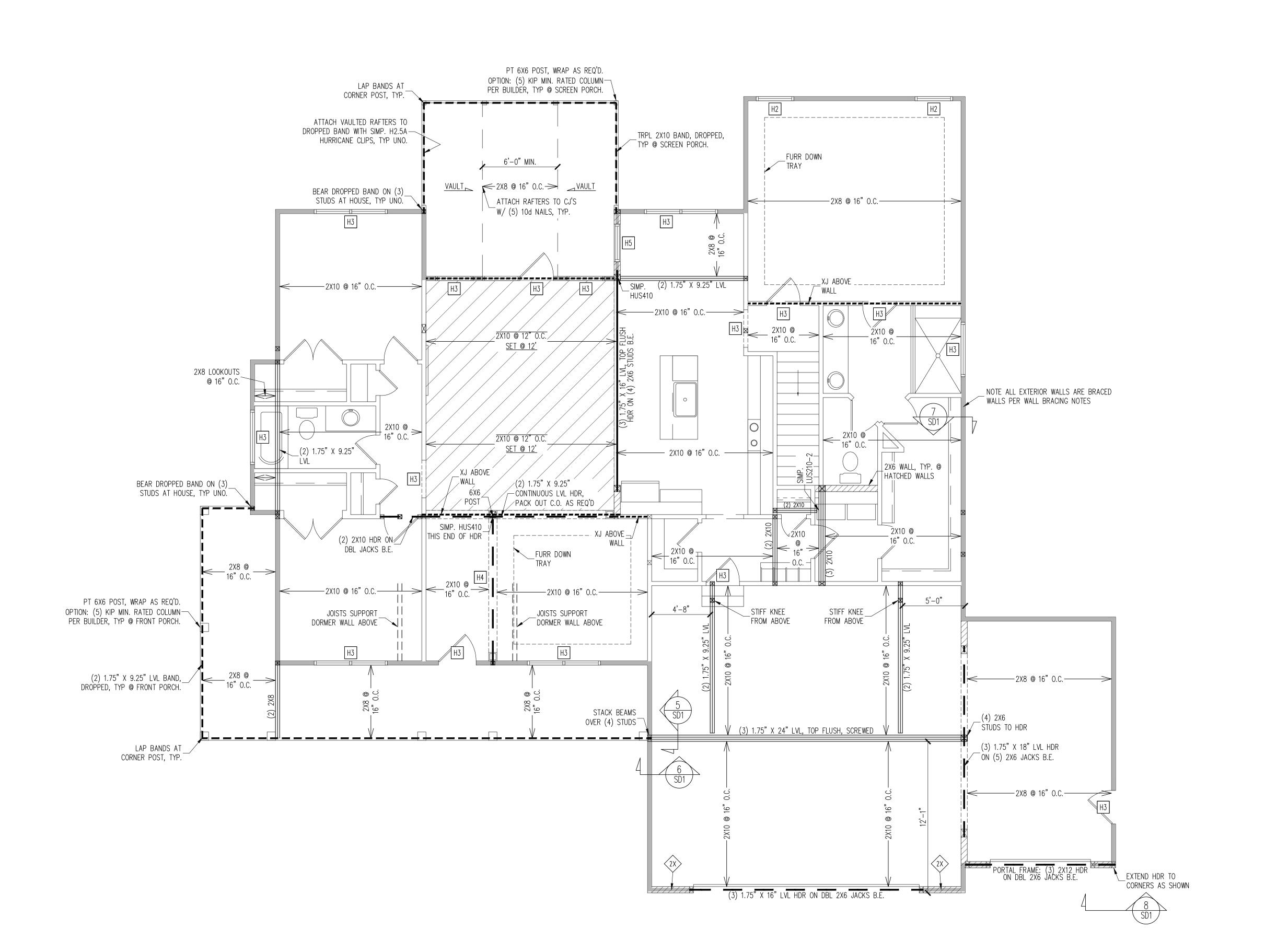
SCOPE: STRUCTURAL ADDEN
LOC: 59 COTTON FARMS

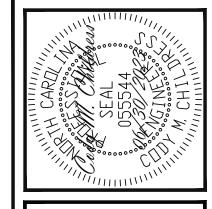
ENG: CIB/CMC DATE: 06/30/2023

PROJECT NO. 23-65-159

SHEET NO.

2 of 6





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WALL BRACING

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.

SHADED WALLS:

IN PANEL FIELD.

PROVIDED CONTINUOUS SHEATHING = 276' MIN.

2X – SHEATH BOTH SIDES OF STUD WALL WITH  $\frac{7}{10}$ APA RATED OSB, NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

#### 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.

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

1ST FLOOR FRAMING PLAN

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

3 of 6

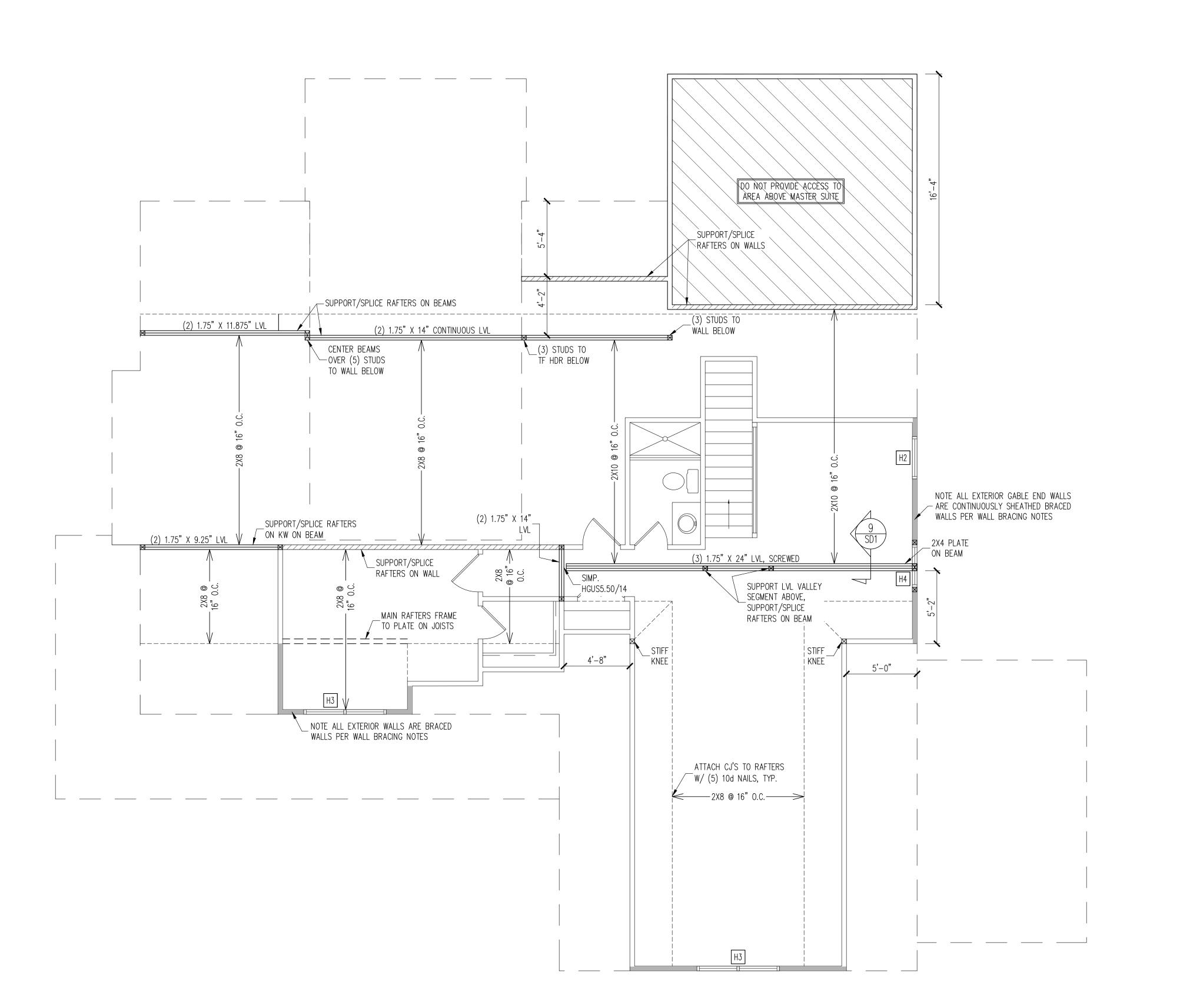
ENG: CIB/CMC

DATE: 06/30/2023

PROJECT NO.

23-65-159

SHEET NO.



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License No. C-3870

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leigh, North Carolina 27609

Ingineering STRUCT
Li
S18 W Millb
ASSOCIATES, P.A. Pho

RUCTURAL ADDENDUM

N FARMS

REV # REF PROJ # DATE

A SS

SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

# HEADER SCHEDULE

WALL BRACING

ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH

7/16 APA RATED OSB NAILED TO STUDS WITH

PROVIDED CONTINUOUS SHEATHING = 48' MIN.

REFERENCE PART 16.02 OF CONSTRUCTION

8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C.

SHADED WALLS:

IN PANEL FIELD.

- 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.

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

2ND FLOOR FRAMING PLAN

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

54 4 of 6

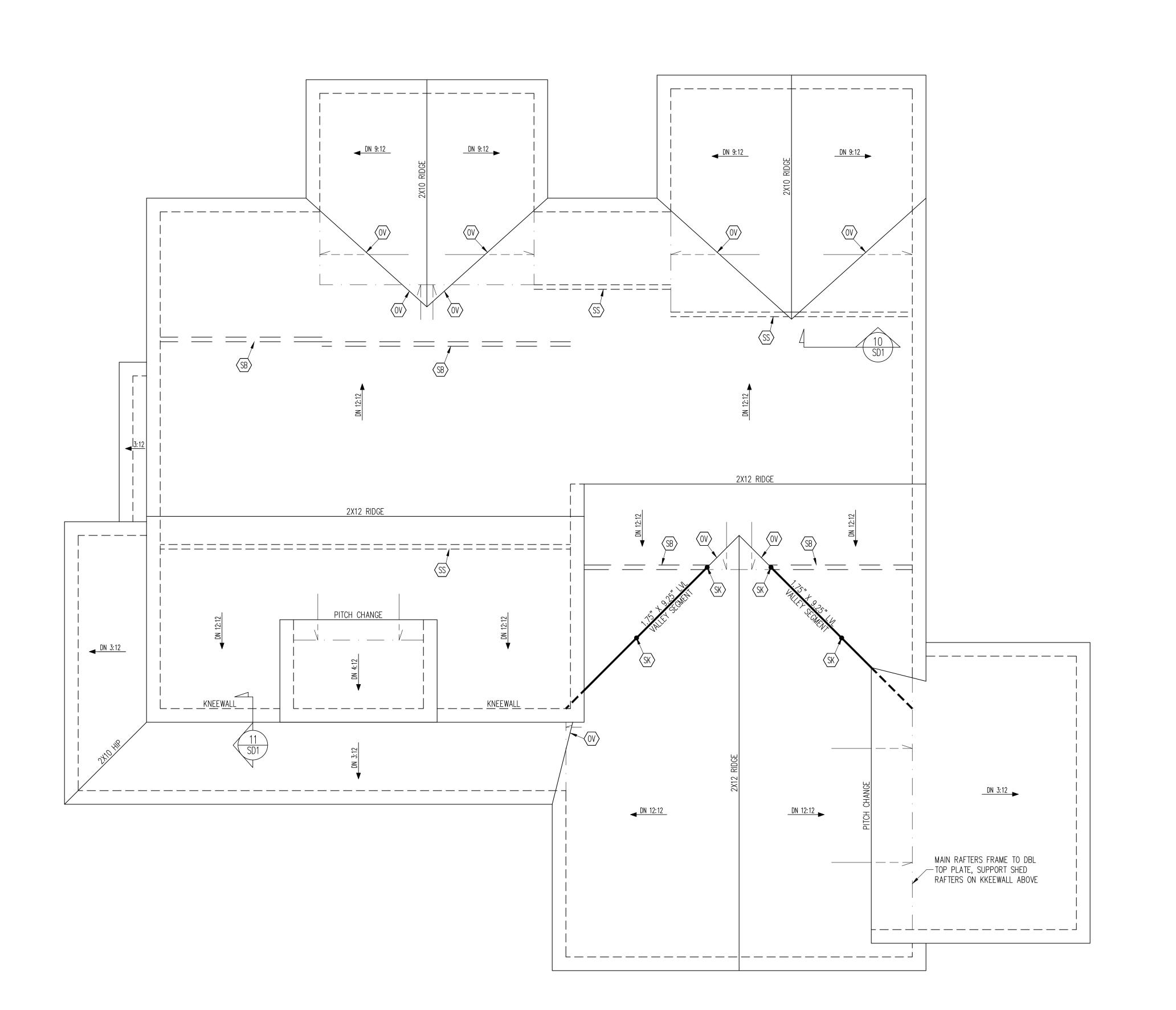
ENG: CIB/CMC

DATE: 06/30/2023

PROJECT NO.

23-65-159

SHEET NO.



ENG: CIB/CMC DATE: 06/30/2023

PROJECT NO.

23-65-159 SHEET NO.

of 6

ROOF FRAMING PLAN

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

SB SUPPORT/SPLICE RAFTERS ON BEAM BELOW

SS SUPPORT/SPLICE RAFTERS ON KNEEWALL BELOW

OV OVERFRAME VALLEY ( 2X10 SLEEPER )

SK DBL 2X4 STIFF KNEE

1/4" = 1'-0"

