

4" POURED CONCRETE SLAB WITH 6X6 10-10 WWF ON A 6 MIL VAPOR BARRIER ON 4" GRANULAR FILL ON SOIL WITH 90% MIN. STANDARD PROCTOR DENSITY

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
limited building only review
permit holder responsible for full compliance with the code

01/21/2022

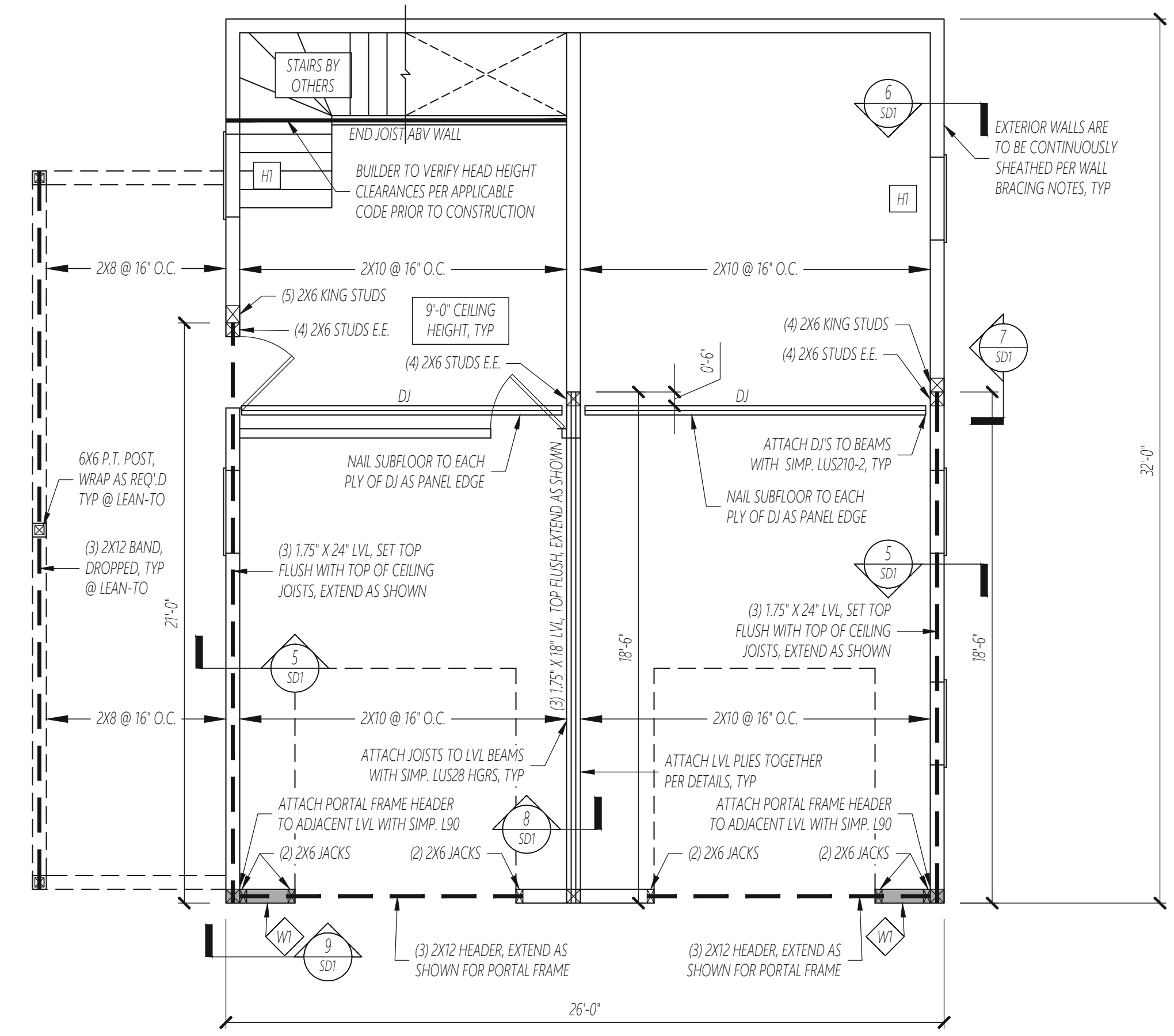
All ceilings shall be 5/8 type x drywall in addition to walls shown on last page

COMMON WORD ABBREVIATIONS
-SEE CONSTRUCTION SPECIFICATION FOR LIST OF COMMON WORD ABBREVIATIONS USED ON STRUCTURAL PLANS.

FOUNDATION NOTES
-FOUNDATION WALL HEIGHT AND BACKFILL LIMITATIONS ARE TO BE GOVERNED BY THE NCRC, LATEST EDITION.
-BUILDER IS TO VERIFY REBAR SIZE AND SPACING IF REQUIRED BY WALL HEIGHT AND BACKFILL CONDITIONS.

DISCLAIMER NOTES
-BUILDER MUST VERIFY ALL EXISTING CONDITIONS DURING DEMOLITION, AND SHALL NOTIFY OKE NICHOLS ENGINEERING, INC. OF ANY AND ALL ISSUES OR DISCREPANCIES PRIOR TO CONSTRUCTION.
-BUILDER IS RESPONSIBLE FOR INSPECTING AND VERIFYING THE INTEGRITY OF THE EXISTING FRAMING IN THE AREAS AFFECTED BY THIS DESIGN TO DETERMINE IF THE EXISTING IS TO REMAIN OR BE REPLACED BY EQUAL.
-BUILDER IS TO FIELD VERIFY ALL DIMENSIONS.

FOUNDATION PLAN
1/4" = 1'-0"



ADDITIONAL JOISTS
-NON-LOAD BEARING WALLS, BUILT-INS, AND CABINETS ON THE FLOOR ABOVE THAT ARE PARALLEL TO THE FRAMING SYSTEM ON THIS SHEET SHALL HAVE AN ADDITIONAL JOIST PLACED BELOW, TYP UNO, BUILDER TO INSTALL AS REQUIRED, FIELD VERIFY DIMENSIONS

COMMON WORD ABBREVIATIONS
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WOOD FRAMING NOTES
ALL FLOORS
-SOLID SAWN WOOD FRAMING DESIGN IS BASED ON NO. 1 / NO. 2 SPRUCE-PIKE-FIR FOR RAFTERS, JOISTS, STUDS, WOOD BEAMS, WOOD GIRDERS, ETC., TYP UNO.
-SOLID SAWN WOOD FRAMING SUBSTITUTION ALLOWED ONLY BY PERMISSION OF ENGINEER OF RECORD.

NO. OF STUDS FOR BEAM SUPPORT
ALL FLOORS

BEAM TYPE	NO. OF STUDS AT E.E. OF BEAM, TYP UNO
(2)-PLY SAWN BEAM	2
(3)-PLY SAWN BEAM	3
(2)-PLY LVL BEAM	3
(3)-PLY LVL BEAM	4
(4)-PLY LVL BEAM	5

NOTES:
-SINGLE PLY LVL BEAMS AND XIS TO BE SUPPORT BY SINGLE STUD AT EACH END, TYP.
-WHERE BEAMS BEAR PARALLEL TO WALL, BEARING LENGTH OF BEAM AND NO. OF STUDS TO EXTEND ALONG LENGTH OF WALL IN PARALLEL DIRECTION, TYP UNO.

HEADER SCHEDULE
THIS FLOOR ONLY

H1: (2) 2X10 ON (1) JACK E.E.

NOTES:
-HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED AND SHALL BE FRAMED ACCORDING TO ACCEPTED CONSTRUCTION PRACTICE.

KING STUD SCHEDULE
EXTERIOR WALLS ONLY, ALL FLOORS

MAX OPENING DIMENSION	NO. KING STUDS E.E. 2X4 WALL	NO. KING STUDS E.E. 2X6 WALL
≤3'	1	1
4'	2	1
8'	3	2
12'	5	2
16'	6	3
18'	7	4

NOTES:
-NO. OF KING STUDS LISTED ABOVE BASED ON A 10' NOMINAL WALL HEIGHT AND 16" O.C. STUD SPACING.
-SPANS BASED ON ROUGH OPENINGS. FOR SPANS BTWN DIMENSIONS LISTED ABOVE ROUND UP FOR NO. OF KING STUDS UNO.

WALL BRACING
THIS FLOOR ONLY

ALL EXTERIOR STUD WALLS ARE TO BE BRACED WITH CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANELING (METHOD CS-WSP), 3/8" MINIMUM THICKNESS, NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, AND 12" O.C. IN PANEL FIELD.

ALL BRACED WALLS SHALL BE SECURED WITH A CONTINUOUS RIM JOIST, ADDITIONAL JOIST, OR FULL HEIGHT BLOCKING ABOVE AND BELOW BRACED WALL PANEL. JOIST / BLOCKING SHALL BE ATTACHED WITH 8d TOENAILS @ 6" O.C. ALONG TOP OF WALL AND (3) 16d NAILS @ 16" O.C. ALONG BOTTOM OF WALL. HORIZONTAL BLOCKING IS REQUIRED AT PANEL JOINTS IN BRACED WALL PANELS.

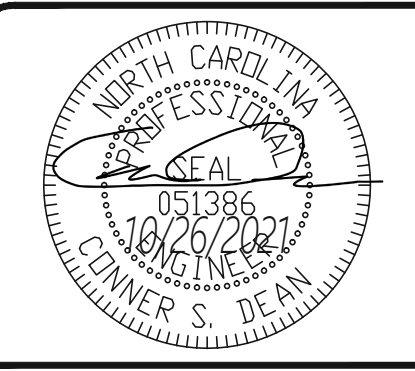
EXTERIOR BRACED WALLS:
-CONTINUOUS PERIMETER SHEATHING = 116"

SHADED WALLS = INTERIOR BRACED WALLS AND EXTERIOR WALLS WITH ALTERNATIVE BRACING METHODS

W1- PORTAL FRAME WHERE INDICATED. SEE DETAILS FOR CONSTRUCTION SPECIFICATIONS. SHEATH WALLS @ PORTAL FRAME WITH 7/16" MIN. THICKNESS WOOD STRUCTURAL PANELING.

NOTES:
-WALL BRACING SHALL BE INSTALLED TO BE IN ACCORDANCE WITH SECT. R602.10.3 OF THE 2018 NCRC.
-WHERE A BUILDING OR PORTIONS THEREOF DOES NOT COMPLY WITH SECT. R602.10.3, ALTERNATIVE METHODS OF BRACING HAVE BEEN DESIGNED IN ACCORDANCE TO ENGINEERING DESIGN PER SECT. R602.10.5 OF THE 2018 NCRC.

DISCLAIMER NOTES
-BUILDER MUST VERIFY ALL EXISTING CONDITIONS DURING DEMOLITION, AND SHALL NOTIFY OKE NICHOLS ENGINEERING, INC. OF ANY AND ALL ISSUES OR DISCREPANCIES PRIOR TO CONSTRUCTION.
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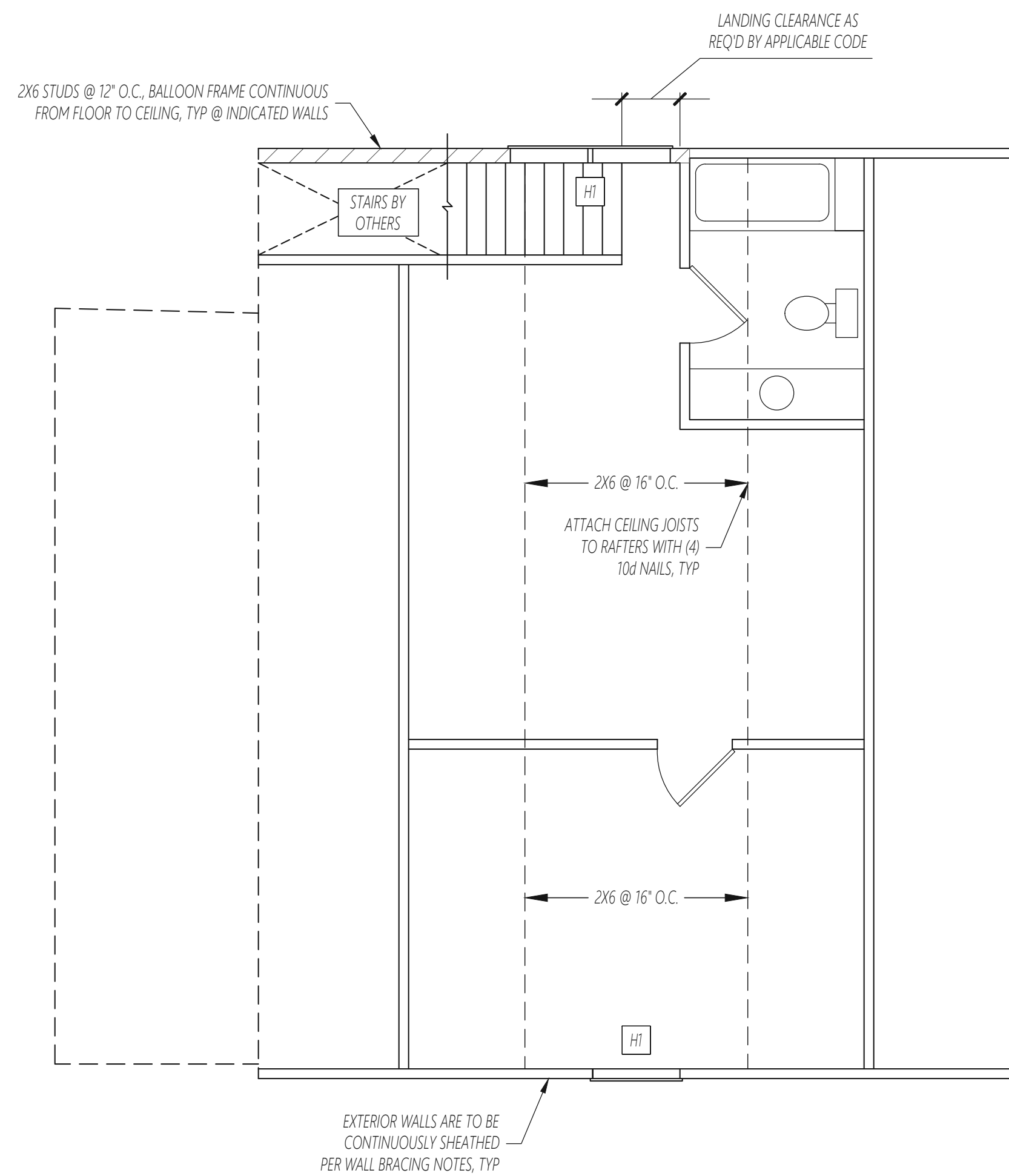
ALL HOME RENOVATION
STRUCTURAL ADDENDUM
246 WOODLAND RIDGE DRIVE

ENG: CSD
DATE: 10/26/2021
REV:

PROJECT NO.
2110203

SHEET NO.
S1
1 of 3

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



COMMON WORD ABBREVIATIONS

-SEE CONSTRUCTION SPECIFICATION FOR LIST OF COMMON WORD ABBREVIATIONS USED ON STRUCTURAL PLANS.

WOOD FRAMING NOTES

ALL FLOORS

-SOLID SAWN WOOD FRAMING DESIGN IS BASED ON NO. 1 / NO. 2 SPRUCE-PINE-FIR FOR RAFTERS, JOISTS, STUDS, WOOD BEAMS, WOOD GIRDERS, ETC., TYP UNO.
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NO. OF STUDS FOR BEAM SUPPORT

ALL FLOORS

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HEADER SCHEDULE

THIS FLOOR ONLY

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KING STUD SCHEDULE

EXTERIOR WALLS ONLY, ALL FLOORS

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WALL BRACING

THIS FLOOR ONLY

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EXTERIOR BRACED WALLS:
 -CONTINUOUS PERIMETER SHEATHING = S2

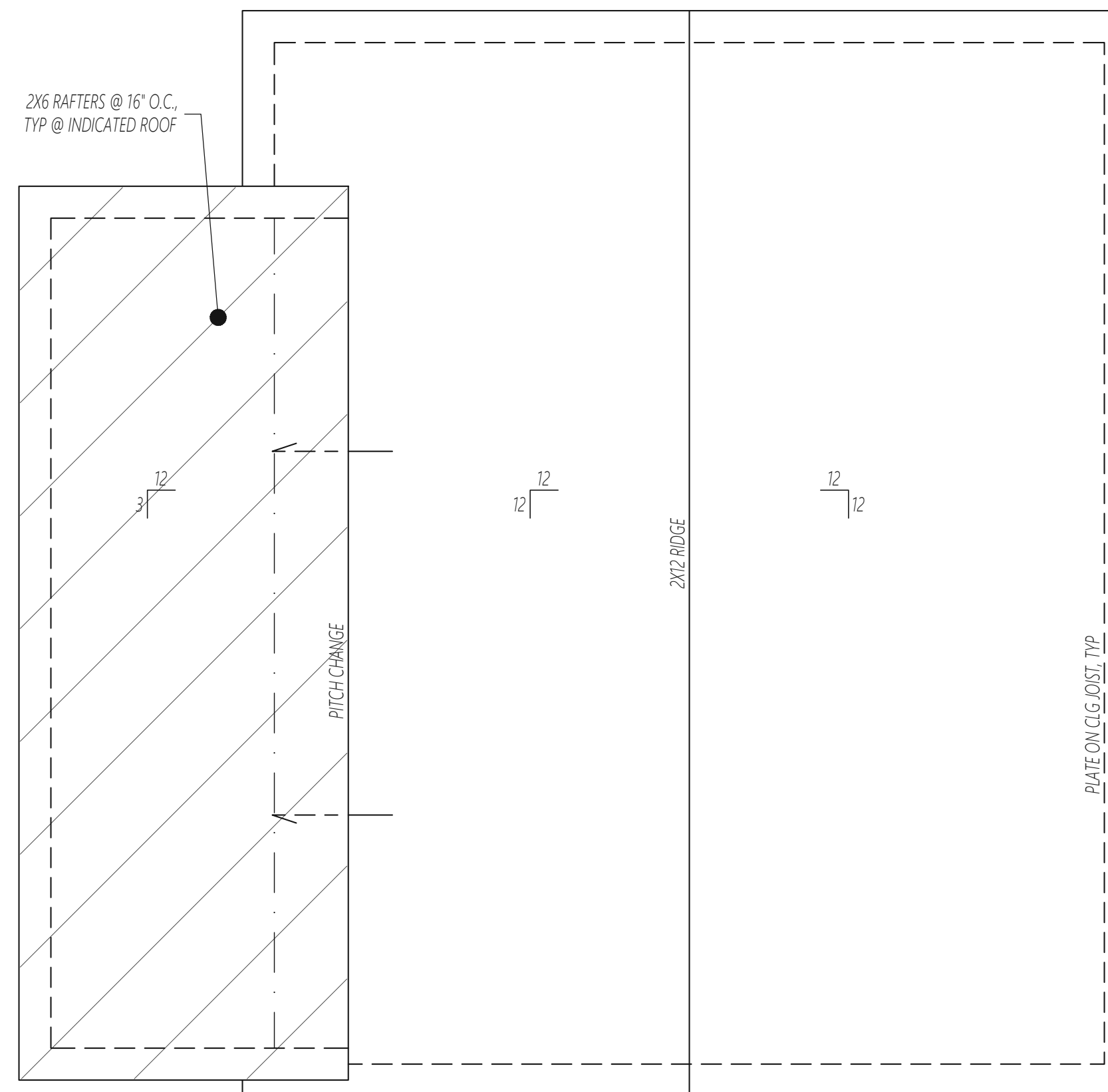
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2ND FLOOR FRAMING PLAN

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



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WOOD FRAMING NOTES

ALL FLOORS

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FRAMING NOTES

ROOF ONLY

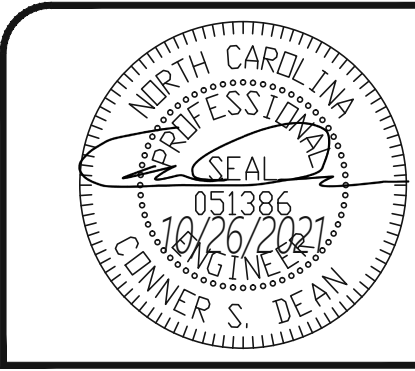
-COMMON RAFTERS SHALL BE 2X8 @ 16" O.C. TYP UNO.
 -2X4 COLLAR TIES SHALL BE INSTALLED EVERY 3RD SET OF RAFTERS, SET WITHIN THE UPPER 3RD OF THE ATTIC SPACE, AND ATTACHED WITH A MIN. OF (3) 10d NAILS E.E. TYP UNO.
 -CONTRACTOR IS TO VERIFY ALL ROOF PITCHES, OVERHANGS, AND KNEEWALL HEIGHTS PRIOR TO CONSTRUCTION.

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ROOF FRAMING PLAN

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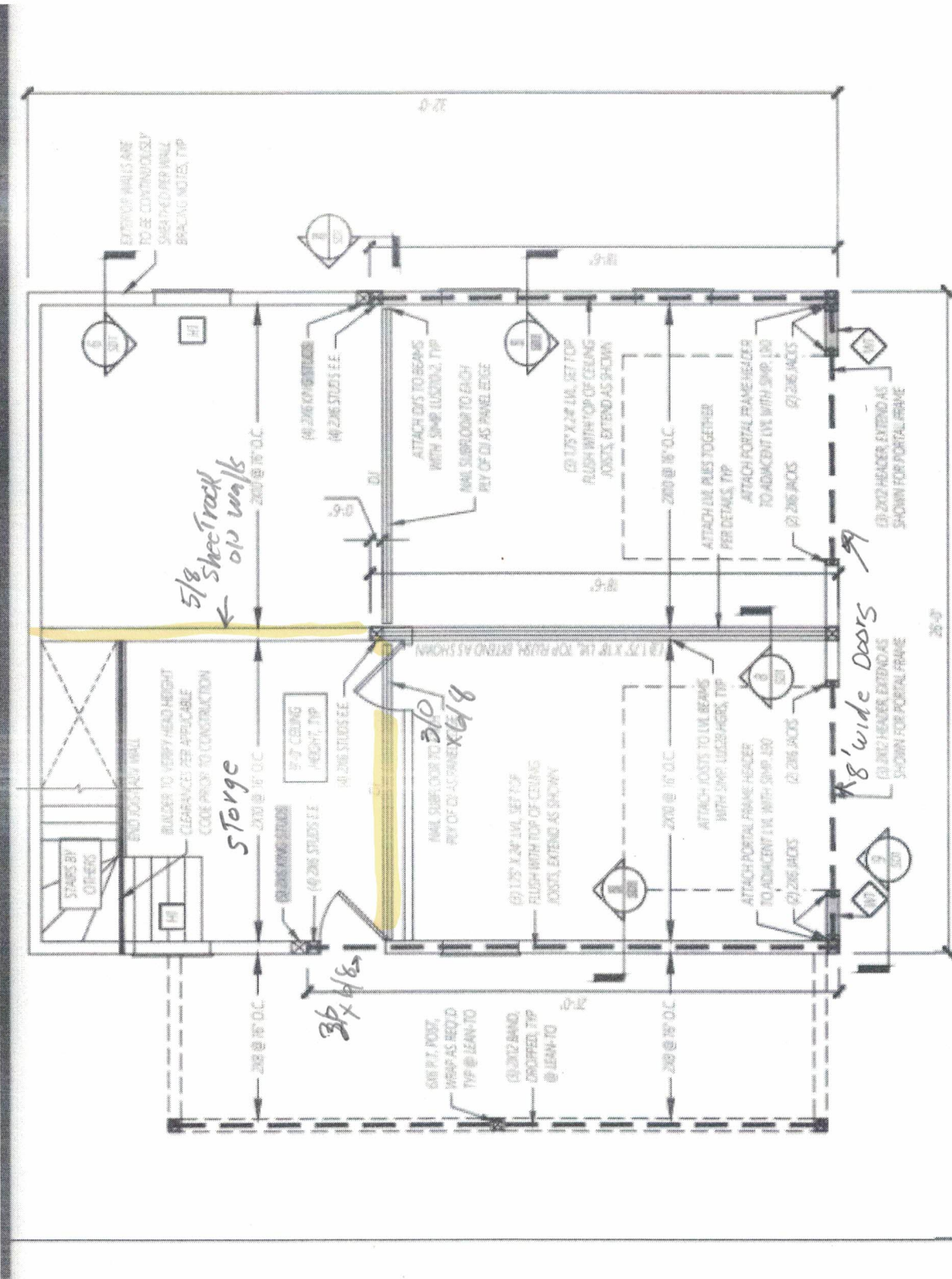
ALL HOME RENOVATION
 STRUCTURAL ADDENDUM
 246 WOODLAND RIDGE DRIVE

ENG: CSD
 DATE: 10/26/2021
 REV:

PROJECT NO.
 2110203

SHEET NO.
 S2
 2 of 3

246 Woodland Ridge Dr.



246 Woodland Ridge Dr

LANDING CLEARANCE AS
REQ'D BY APPLICABLE CODE

(2) 2x8x5/2

2x6 STUDS @ 12" O.C., BALLOON FRAME CONTINUOUS
FROM FLOOR TO CEILING, TOP @ INDICATED WALLS

