

- GENERAL STRUCTURAL NOTES:
- CONSTRUCTION SHALL CONFORM TO 2018 NC RESIDENTIAL BUILDING CODE.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS. CONTRACTOR SHALL COMPLY WITH THE CONTENTS OF THE DRAWINGS FOR THIS SPECIFIC PROJECT. ENGINEER IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THIS PLAN.
 - CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING REQUIRED TO RESIST ALL FORCES ENCOUNTERED DURING ERECTION.
 - THE FOLLOWING DESIGN LOADS ARE USED:
 - ROOF LOAD: 20 PSF LL, 20 PSF DL
 - FLOOR LOAD: 40 PSF LL, 15 PSF DL
 - ATTC LOAD: 20 PSF LL, 10 PSF DL
 - EXTERIOR BALCONY: 60 PSF LL, 10 PSF DL
 - WINDLOAD: 15 MPH
 - PROPERTIES USED IN THE DESIGN ARE AS FOLLOWS: MICROLLAM (LVL): $F_y=2600$ PSI, $F_x=285$ PSI, $E=1.81 \times 10^6$ PSI PARALLAM (PSL): $F_y=2600$ PSI, $F_x=290$ PSI, $E=1.25 \times 10^6$ PSI
 - ALL WOOD MEMBERS SHOULD BE #2 SPF UNLESS NOTED ON PLANS. ALL STUD COLUMNS AND JOISTS SHOULD BE #2 SPF UNLESS NOTED OTHERWISE.
 - ALL BEAMS SHOULD BE SUPPORTED WITH A (2) 2X4 #2 SPF STUD COLUMN AT EACH END UNLESS NOTED OTHERWISE.
 - ALL PARALLEL NON-LOAD BEARING WALLS SHOULD BE SUPPORTED WITH A DOUBLE JOIST UNLESS NOTED OTHERWISE.
 - COMPRESSIVE STRENGTH OF CONCRETE SHOULD BE A MINIMUM OF 3000 PSI AT 28-DAYS.
 - SOIL BEARING CAPACITY TO BE A MINIMUM OF 2000 PSF.
 - ALL REINFORCING STEEL SHALL BE GRADE 60 BARS CONFORMING TO ASTM A615 AND SHALL HAVE A MINIMUM COVER OF 3".
 - FOOTINGS AND PIERS SHALL BE CENTERED AROUND THEIR RESPECTIVE ELEMENTS. PROVIDE A MINIMUM OF 3" FOOTING PROJECTION FROM FACE OF MASONRY.
 - MAXIMUM DEPTH OF UNBALANCED FILL AGAINST MASONRY WALLS TO BE AS SPECIFIED IN THE 2018 NC BUILDING CODE TABLE 404.1.1.
 - FOUNDATION ANCHORAGE SHALL BE CONSTRUCTED PER NC RESIDENTIAL BUILDING CODE 2002 SECTION 403.1.6. 1/2" DIA. BOLTS SPACED AT 6'-0" CENTERS WITH A 7" MINIMUM EMBEDMENT INTO MASONRY OR CONCRETE. ANCHOR BOLTS SHALL BE 12" FROM THE END OF EACH PLATE SECTION.
 - POSITIVE AND NEGATIVE WALL CLADDING DESIGN VALUES FOR 15MPH, CATEGORY B, AND MRH 30 FEET OR LESS ARE 18 AND 24.1 RESPECTIVELY.
 - COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS: (N PSF)

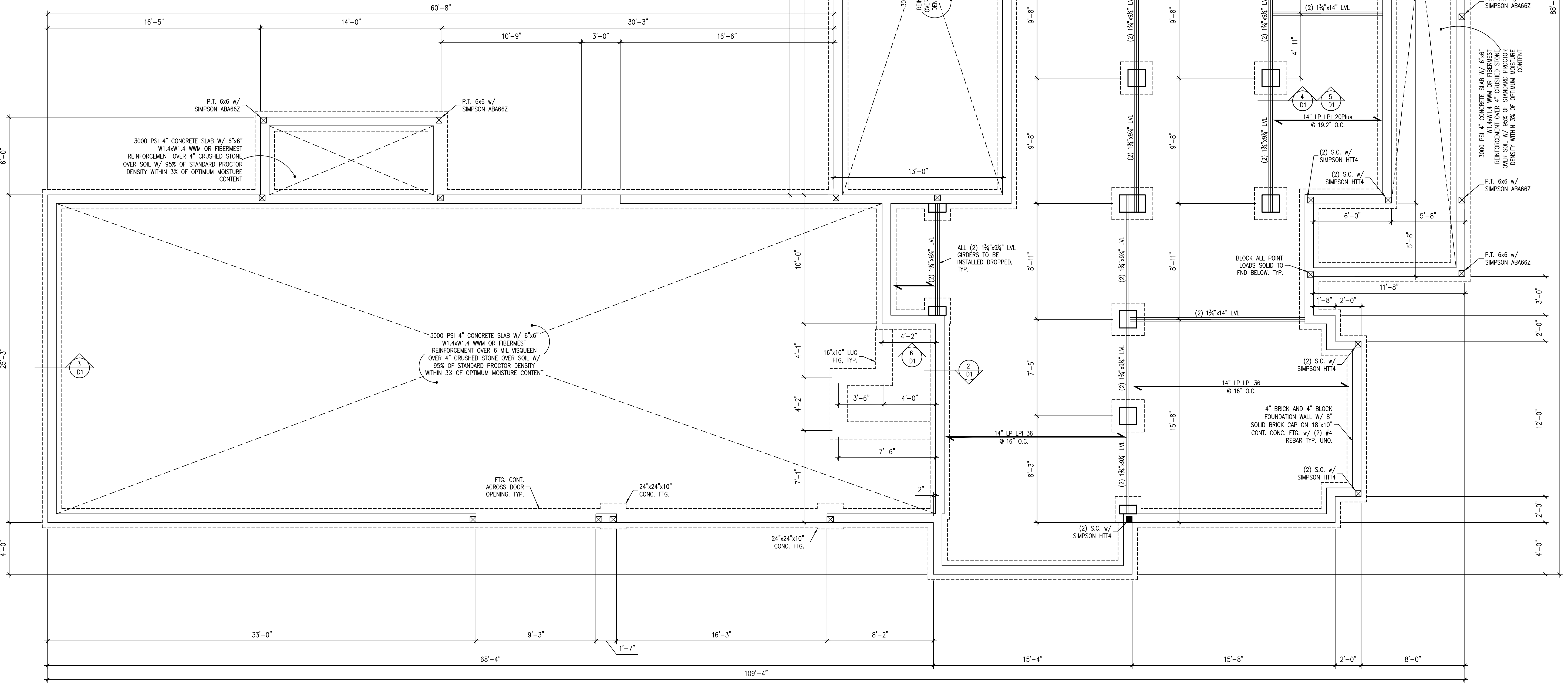
MEAN ROOF HT	UP TO 30'	30'-1" - 35'	35'-1" - 40'	40'-1" - 45'
ZONE 1	23.7	-43.5	24.9	-45.7
ZONE 2a	23.7	-43.5	24.9	-45.7
ZONE 2b	23.7	-47.9	24.9	-50.3
ZONE 2c	23.7	-43.5	24.9	-45.7
ZONE 2d	23.7	-47.9	24.9	-50.3
ZONE 3	23.7	-47.9	24.9	-50.3
ZONE 4	25.9	-28.1	27.2	-29.5
ZONE 5	25.9	-34.7	27.2	-36.4
 - CONTRACTOR TO PROVIDE LOOKOUTS WHEN CEILING JOISTS SPAN PERPENDICULAR TO RAFTERS.
 - FITCH BEAMS AND 3" OR 4" LVL'S SHALL BE BOLTED TOGETHER W/ 1/2" THRU BOLTS SPACED @ 24" O.C. (MAX) STAGGERED. MINIMUM EDGE DISTANCE SHALL BE 2" AND (2) BOLTS SHALL BE LOCATED MINIMUM 6" FROM EACH END OF BEAM.
 - ALL NON-LOAD BEARING INTERIOR DOOR HEADERS SHALL BE (2) FLAT 2X4 DROPPED, UNG.

HEADER SCHEDULE		
TAG	SIZE	JACKS (EACH END)
A	(2) 2x6	(1)
B	(2) 2x8	(2)
C	(2) 2x10	(2)
D	(2) 2x12	(2)
E	(2) 1-3/4"x9-1/4" LVL'S	(3)
Z	EXISTING HEADER	EXISTING S.C.

NOTE:
 1. OPENINGS LESS THAN 5'-0" USE (1) KING STUD E.E.
 2. OPENINGS 5'-1" TO 8'-0" USE (2) KING STUDS E.E.
 3. OPENINGS GREATER THAN 8'-0" USE (3) KING STUDS E.E. UNG.
 4. HEADER SIZES SHOWN ON PLANS ARE MINIMUMS. GREATER HEADER SIZES MAY BE USED FOR EASE OF CONSTRUCTION.

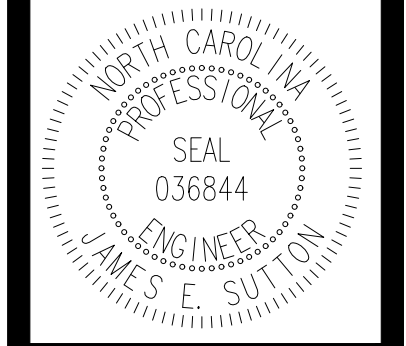
NOTE:
 SHADED WALLS INDICATE LOAD BEARING WALLS.

- FOUNDATION NOTES:
- FOUNDATIONS TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 4 OF THE 2018 NC RESIDENTIAL BUILDING CODE.
 - STRUCTURAL CONCRETE TO BE $F_c=3000$ PSI, PREPARED AND PLACED IN ACCORDANCE WITH ACI STANDARD 318.
 - FOOTINGS TO BE PLACED ON UNDISTURBED EARTH, BEARING A MINIMUM OF 12" BELOW ADJACENT FINISHED GRADE, OR AS OTHERWISE DIRECTED BY THE ENFORCEMENT OFFICIAL.
 - FOOTING SIZES BASED ON A PRESUMPTIVE SOIL BEARING CAPACITY OF 2000 PSF. CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE SUITABILITY OF THE SITE SOIL CONDITIONS AT THE TIME OF CONSTRUCTION.
 - FOOTINGS AND PIERS SHALL BE CENTERED UNDER THEIR RESPECTIVE ELEMENTS. PROVIDE 3" MINIMUM FOOTING PROJECTION FROM FACE OF MASONRY.
 - MAXIMUM DEPTH OF UNBALANCED FILL AGAINST MASONRY WALLS TO BE AS SPECIFIED IN SECTION R-404.1 OF THE 2018 NC STATE RESIDENTIAL BUILDING CODE.
 - PILASTERS TO BE BONDIC TO PERMETER FOUNDATION WALL.
 - PROVIDE FOUNDATION WATERPROOFING, AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS.
 - PROVIDE PERIMETER R-10 INSULATION FOR ALL FOUNDATIONS.
 - CORSEL FOUNDATION WALL AS REQUIRED TO ACCOMMODATE BRICK VENEERS.
 - CRACK SPACE TO BE GRADED LEVEL AND CLEAR OF ALL DEBRIS.
 - FOUNDATION ANCHORAGE SHALL BE A MIN. OF 1/2" DIA. ANCHOR BOLTS & SHALL EXTEND A MIN. OF 7" INTO MAS. OR CONCRETE. BOLTS SHALL BE 6'-0" O.C. AND WITHIN 12" OF ALL PLATE SPICES.
 - ABBREVIATIONS:
 PL = POINT LOAD
 SJ = SINGLE JOIST
 DJ = DOUBLE JOIST
 TJ = TRIPLE JOIST
 - ALL PIERS TO BE 16"x16" MASONRY & ALL PILASTERS TO BE 8"x16" MASONRY, TYPICAL UNO.
 - WALL FOOTINGS TO BE CONTINUOUS CONCRETE PER PLAN.
 - A FOUNDATION EXCAVATION OBSERVATION SHOULD BE CONDUCTED BY A PROFESSIONAL GEOTECHNICAL ENGINEER, OR HIS QUALIFIED REPRESENTATIVE, IF ISOLATED AREAS OF YIELDING MATERIALS AND/OR POTENTIALLY EXPANSIVE SOILS ARE OBSERVED IN THE FOOTING EXCAVATIONS AT THE TIME OF CONSTRUCTION, FOR MUST BE PROVIDED THE OPPORTUNITY TO REVIEW THE FOOTING DESIGN PRIOR TO CONCRETE PLACEMENT.
 - ALL FOOTINGS AND SLABS ARE TO BEAR ON UNDISTURBED SOIL OR 95% COMPACTED FILL, VERIFIED BY ENGINEER OR CODE OFFICIAL.



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

ORIGINAL PLAN	DATE	CHECKED BY
2401-2226	08/06/2024	JES
REVISIONS	DATE	DESCRIPTION



Nix Industries, LLC
 000 Erwin Chapel Rd, Dunn, NC 28334
 Foundation Plan

GENERAL STRUCTURAL NOTES:

- CONSTRUCTION SHALL CONFORM TO 2018 NC RESIDENTIAL BUILDING CODE.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. CONTRACTOR SHALL COMPLY WITH THE CONTENTS OF THE DRAWINGS FOR THIS SPECIFIC PROJECT. ENGINEER IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THIS PLAN.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING REQUIRED TO RESIST ALL FORCES ENCOUNTERED DURING ERECTION.
- THE FOLLOWING DESIGN LOADS ARE USED:
 ROOF LOAD 20 PSF LL 20 PSF DL
 FLOOR LOAD 40 PSF LL 15 PSF DL
 ATTIC LOAD 20 PSF LL 10 PSF DL
 EXTERIOR BALCONY 60 PSF LL 10 PSF DL
 WINDLOAD 115 MPH
- PROPERTIES USED IN THE DESIGN ARE AS FOLLOWS: MICROROLL (LVL) $F_y=2600$ PSI, $F_c=285$ PSI, $E=1.910 \times 10^6$ PSI PARALLAM (PSF) $F_y=2900$ PSI, $F_c=230$ PSI, $E=1.25 \times 10^6$ PSI
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- ALL BEAMS SHOULD BE SUPPORTED WITH A (2) 2X4 #2 SPF STUD COLUMN AT EACH END UNLESS NOTED OTHERWISE.
- ALL PARALLEL NON-LOAD BEARING WALLS SHOULD BE SUPPORTED WITH A DOUBLE JOIST UNLESS NOTED OTHERWISE.
- COMPRESSIVE STRENGTH OF CONCRETE SHOULD BE A MINIMUM OF 3000 PSI AT 28-DAYS.
- SOIL BEARING CAPACITY TO BE A MINIMUM OF 3000 PSF.
- ALL REINFORCING STEEL SHALL BE GRADE 60 BARS CONFORMING TO ASTM A615 AND SHALL HAVE A MINIMUM COVER OF 3".
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- POSITIVE AND NEGATIVE WALL CLADDING DESIGN VALUES FOR 15MPH CATEGORY B, AND WRH 30 FEET OR LESS ARE 18 AND 24.1 RESPECTIVELY.
- COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS: (IN PSF)

MEAN ROOF HT.	UP TO 30'	30'-1'	35'-1'	35'-1'	40'	40'-1'	45'
ZONE 1	23.7	-43.5	24.9	-45.7	25.8	-47.4	26.5
ZONE 2a	23.7	-43.5	24.9	-45.7	25.8	-47.4	26.5
ZONE 2b	23.7	-47.9	24.9	-50.3	25.8	-52.2	26.5
ZONE 2c	23.7	-43.5	24.9	-45.7	25.8	-47.4	26.5
ZONE 3a	23.7	-58.7	24.9	-61.6	25.8	-64.0	26.5
ZONE 3b	23.7	-47.9	24.9	-50.3	25.8	-52.2	26.5
ZONE 4	25.9	-28.1	27.2	-29.5	28.2	-30.6	29.0
ZONE 5	25.9	-34.7	27.2	-36.4	28.2	-37.8	29.0

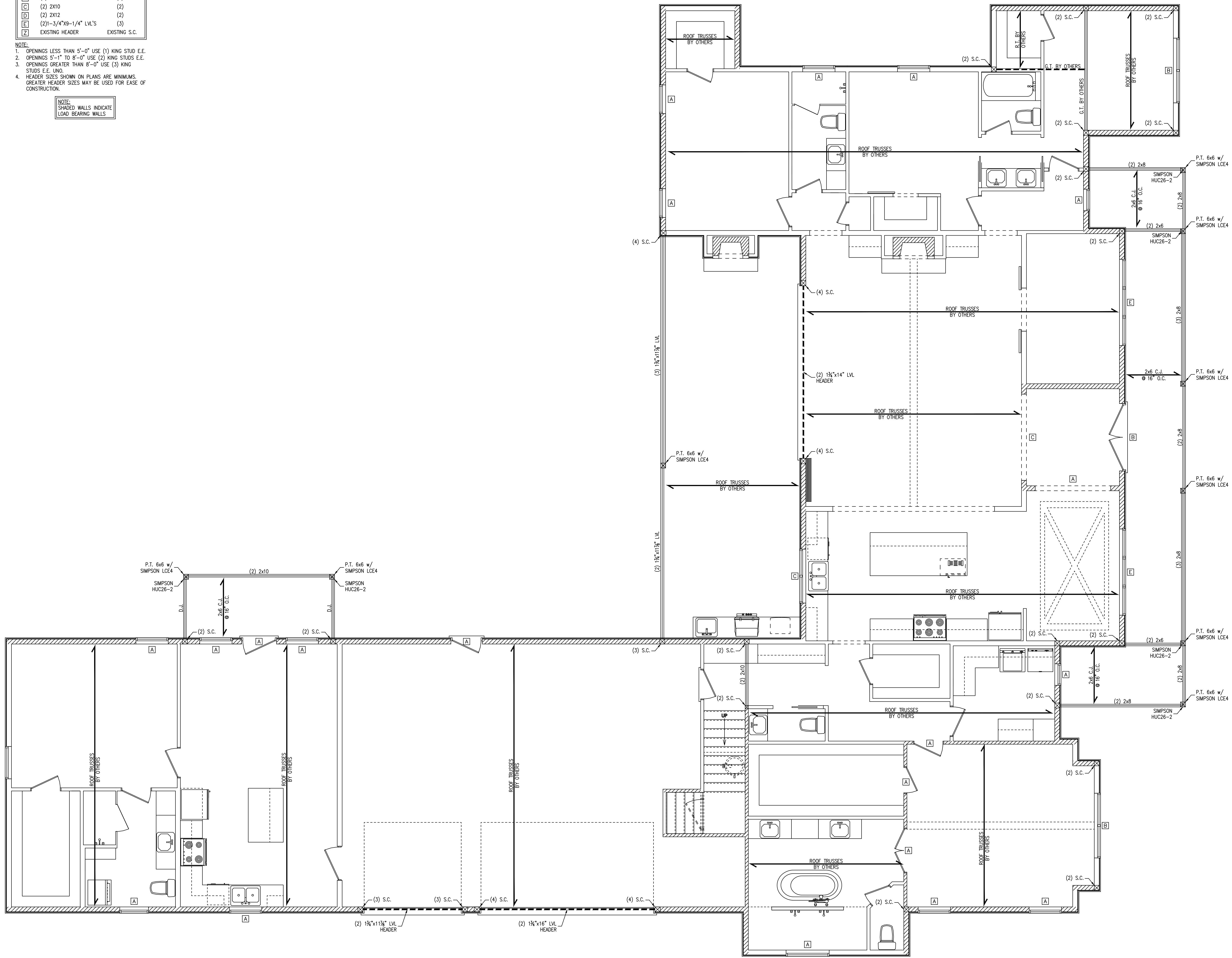
 BASIC DESIGN WIND VELOCITY = 120 MPH, EXPOSURE B
- CONTRACTOR TO PROVIDE LOOKOUTS WHEN CEILING JOISTS SPAN PERPENDICULAR TO RAFTERS.
- FLOTTIC BEAMS AND 3" OR 4" PLY LVLS SHALL BE BOLTED TOGETHER W/ 1/2" THRU BOLTS SPACED @ 24" O.C. (MAX) STAGGERED. MINIMUM EDGE DISTANCE SHALL BE 2" AND (2) BOLTS SHALL BE LOCATED MINIMUM 6" FROM EACH END OF BEAM.
- ALL NON-LOAD BEARING INTERIOR DOOR HEADERS SHALL BE (2) FLAT 2X4 DROPPED, UNO.

- DJ=DOUBLE JOIST
- DR=DOUBLE RAFTER
- TR=TRIPLE RAFTER
- OC=ON CENTER
- PL=POINT LOAD
- TS=TIMBER STRAND
- SC=STUD COLUMN
- EE=END END
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HEADER SCHEDULE		
TAG	SIZE	JACKS (EACH END)
A	(2) 2X6	(1)
B	(2) 2X8	(2)
C	(2) 2X10	(2)
D	(2) 2X12	(2)
E	(2)-3/4"x9-1/4" LVL'S	(3)
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- NOTE:**
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UNO: UNFINISHED
 SHAD: SHADDED WALLS INDICATE LOAD BEARING WALLS

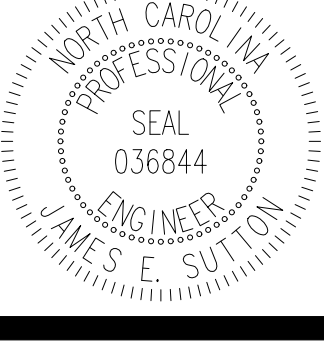


1st FLOOR HEADER FRAMING PLAN

1/4" = 1'-0"

ORIGINAL PLAN	DATE	DATE	DATE
2401-226	08/06/2024		

CHECKED BY: JES
 DRAWN BY: JES
 MADE BY: JES
 DESCRIPTION: 1st Floor Framing Plan



Nix Industries, LLC
 000 Erwin Chapel Rd, Dunn, NC 28334
 1st Floor Framing Plan

SHEET NUMBER

S2

GENERAL STRUCTURAL NOTES:

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 WINDLOAD: 115 MPH
- PROPERTIES USED IN THE DESIGN ARE AS FOLLOWS: MICROLAM (LVL): F_y=2600 PSI, F_v=285 PSI, E=1.8X10⁶ PSI PARALLAM (PSL): F_y=2600 PSI, F_v=290 PSI, E=1.25X10⁶ PSI
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ZONE 2c	23.7	-43.5	24.9	-45.7	25.8	-47.4	26.5	-48.7
ZONE 3a	23.7	-58.7	24.9	-61.6	25.8	-64.0	26.5	-65.7
ZONE 3b	23.7	-47.9	24.9	-50.3	25.8	-52.2	26.5	-53.6
ZONE 4	25.9	-26.1	27.2	-29.5	28.2	-30.6	29.0	-31.5
ZONE 5	25.9	-34.7	27.2	-36.4	28.2	-37.8	29.0	-38.9

BASIC DESIGN WIND VELOCITY = 120 MPH, EXPOSURE B

- CONTRACTOR TO PROVIDE LOOKOUTS WHEN CEILING JOISTS SPAN PERPENDICULAR TO RAFTERS.
- FLOOR BEAMS AND 3" OR 4" PLY LVS SHALL BE BOLTED TOGETHER W/ 1/2" THRU BOLTS SPACED @ 24" O.C. (MAX) STAGGERED. MINIMUM EDGE DISTANCE SHALL BE 2" AND (2) BOLTS SHALL BE LOCATED MINIMUM 6" FROM EACH END OF BEAM.
- ALL NON-LOAD BEARING INTERIOR DOOR HEADERS SHALL BE (2) 2X4 DROPPED, UNO.

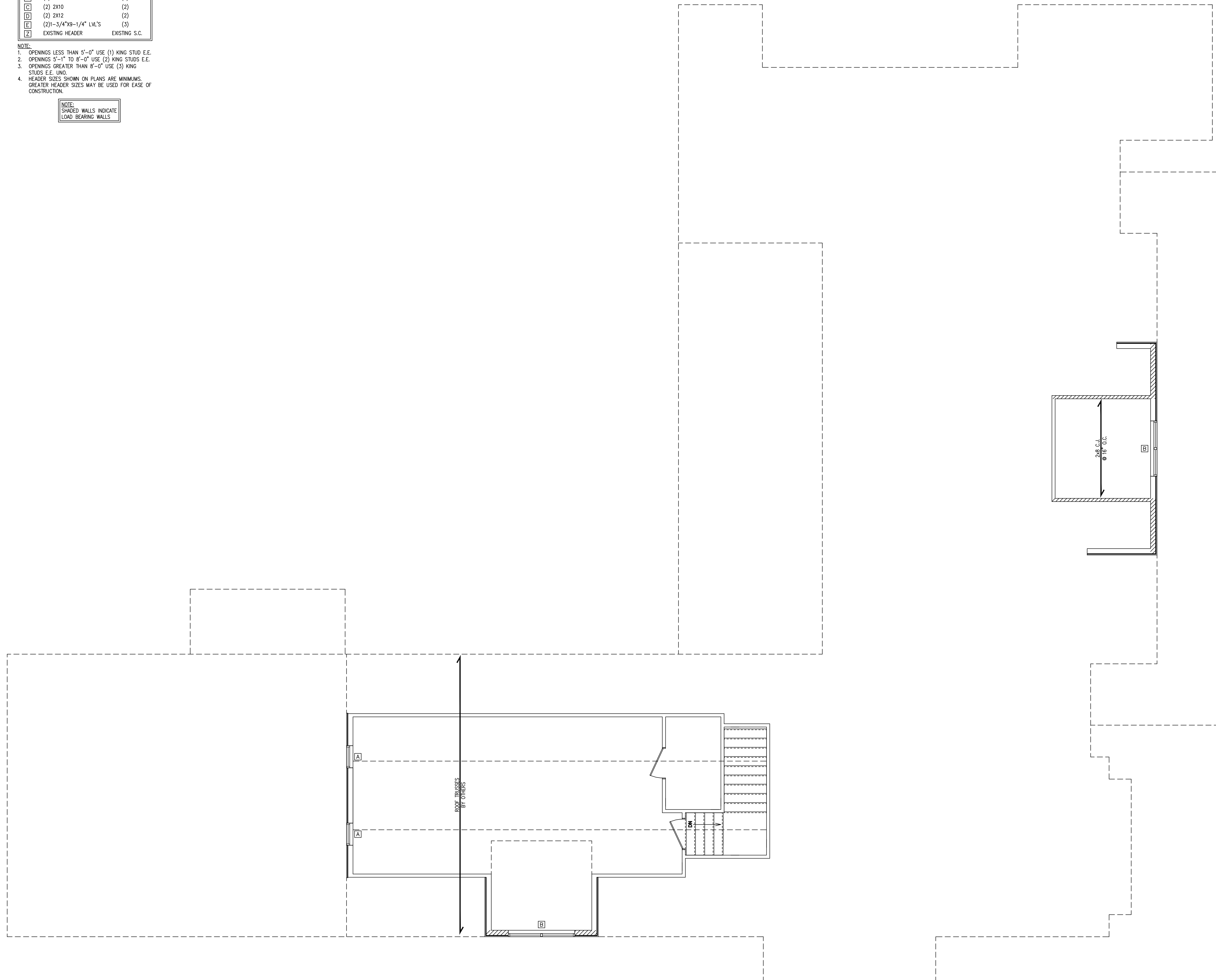
DI=DOUBLE JOIST
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 IC=ON CENTER
 PL=POINT LOAD

TS=TIMBER STRAND
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 EE=EACH END
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TAG	SIZE	JACKS (EACH END)
A	(2) 2X6	(1)
B	(2) 2X8	(2)
C	(2) 2X10	(2)
D	(2) 2X12	(2)
E	(2)1-3/4"X9-1/4" LVL'S	(3)
Z	EXISTING HEADER	EXISTING S.C.

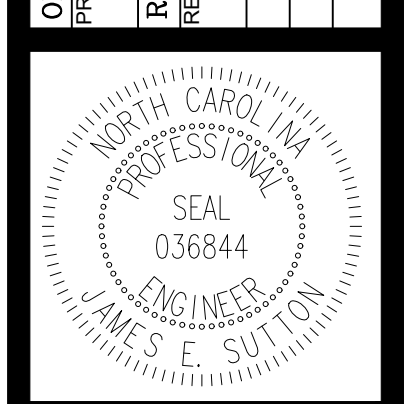
- NOTE:
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 - OPENINGS 5'-1" TO 8'-0" USE (2) KING STUDS E.E.
 - OPENINGS GREATER THAN 8'-0" USE (3) KING STUDS E.E. UNO.
 - HEADER SIZES SHOWN ON PLANS ARE MINIMUMS. GREATER HEADER SIZES MAY BE USED FOR EASE OF CONSTRUCTION.

NOTE: SHADED WALLS INDICATE LOAD BEARING WALLS



2nd FLOOR FRAMING PLAN
 1/4" = 1'-0"

ORIGINAL PLAN	DATE	CHECKED BY
PROJECT NO. 2401-226	08/06/2024	JES
REVISIONS		
REV PROJECT NO.		
DATE		
MADE BY		
CHECKED BY		
DESCRIPTION		



Nix Industries, LLC
 000 Erwin Chapel Rd, Dunn, NC 28334
 2nd Floor Framing Plan

MAX GIRDER TRUSS REACTION (LBS)		
NO TBE, SPF#2 TOP PLATE		
# OF PLYS	2x4 WALL	2x6 WALL
2	5134	7013
3	7702	10519
4	10269	14025
WITH TBE, SPF #2 TOP PLATE		
2	7045	8933
3	9822	12439
4	12169	15945

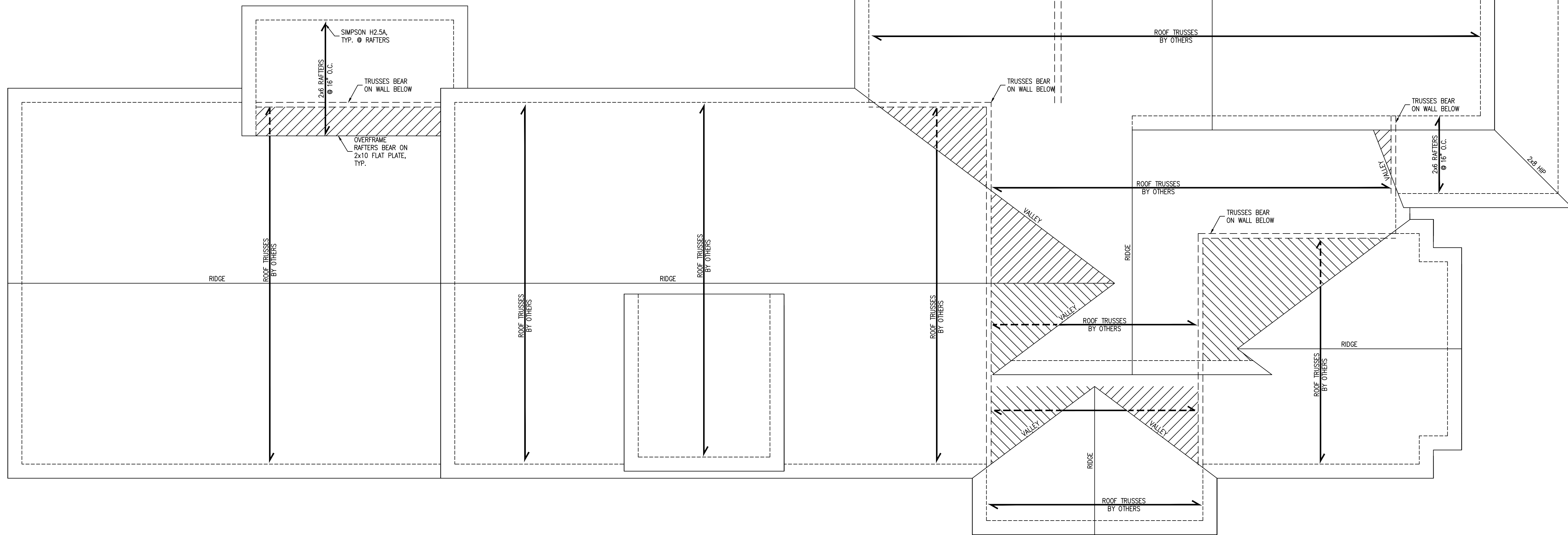
GIRDER TRUSS PLYS SHOWN ARE FOR ILLUSTRATION ONLY. PLEASE REFER TO TRUSS LAYOUT DRAWINGS PROVIDED BY TRUSS MANUFACTURER FOR ACTUAL NUMBER OF PLYS REQUIRED.

TRUSS UPLIFT CONNECTOR SCHEDULE	
MODEL #	MAX UPLIFT
H1	400
H2A	495
H2.5T	545
H4	235
H10A*	1015
H16*	1265
H20*	1245

USE BELOW ONLY FOR 2-PLY OR GREATER GIRDER TRUSSES THAT EXCEED THE UPLIFT REQUIREMENTS ABOVE.

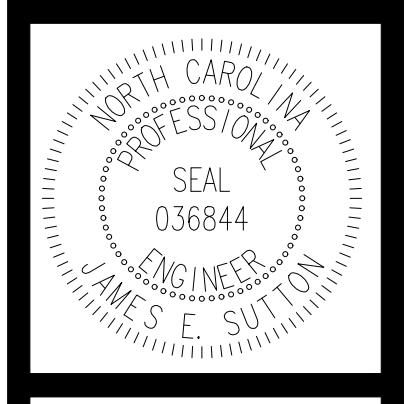
MODEL #	MAX UPLIFT (LBS)	PLY #
LG12*	1785	2
LG13-SDS3*	2655	3
LG14-SDS3*	2925	4
HGT-2*	6485	2
HGT-3*	9035	3
HGT-4*	9250	4

- SST PRODUCTS SHOWN. EQUIV. PRODUCT MAY BE USED PROVIDING UPLIFT REQUIREMENTS ARE MET.
- VALUES SHOWN ARE FOR A SINGLE ANCHOR. DOUBLE ANCHORS MAY BE USED TO DOUBLE THE UPLIFT CAPACITY SHOWN ABOVE. ONLY IF THE MEMBER IS A MINIMUM THICKNESS OF 2".
- UPLIFT VALUES ARE FOR SPF WOOD SPECIES. PLEASE CONTACT ENGINEER OR TRUSS MANUFACTURER IF USING DIFFERENT.
- GIRDER TRUSS-GIRDER TRUSS CONNECTIONS ARE TO BE SPECIFIED AND SUPPLIED BY THE TRUSS COMPANY. ENGINEER IS NOT RESPONSIBLE FOR THESE CONNECTIONS.
- ITEMS DENOTED WITH "*" MAY NOT BE DOUBLED TO INCREASE LOAD CAPACITY.



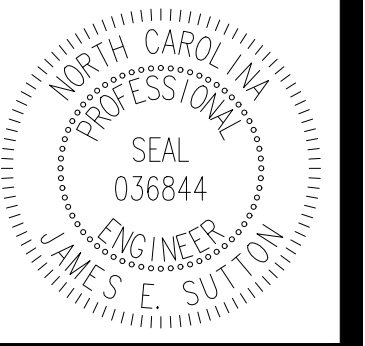
ROOF FRAMING PLAN
1/4" = 1'-0"

ORIGINAL PLAN	DATE	DRAWN BY	CHECKED BY
2401-226	08/06/2024	JES	JES
REVISIONS	DATE	MADE BY	DESCRIPTION



Nix Industries, LLC
000 Erwin Chapel Rd, Dunn, NC 28334
Roof Framing Plan

ORIGINAL PLAN	DATE	08/06/2024	DRAWN BY	JES	CHECKED BY	JES
PROJECT NO.	2401-226					
REVISIONS						
REV PROJECT NO.			MADE BY		CHECKED BY	
			DATE		DATE	



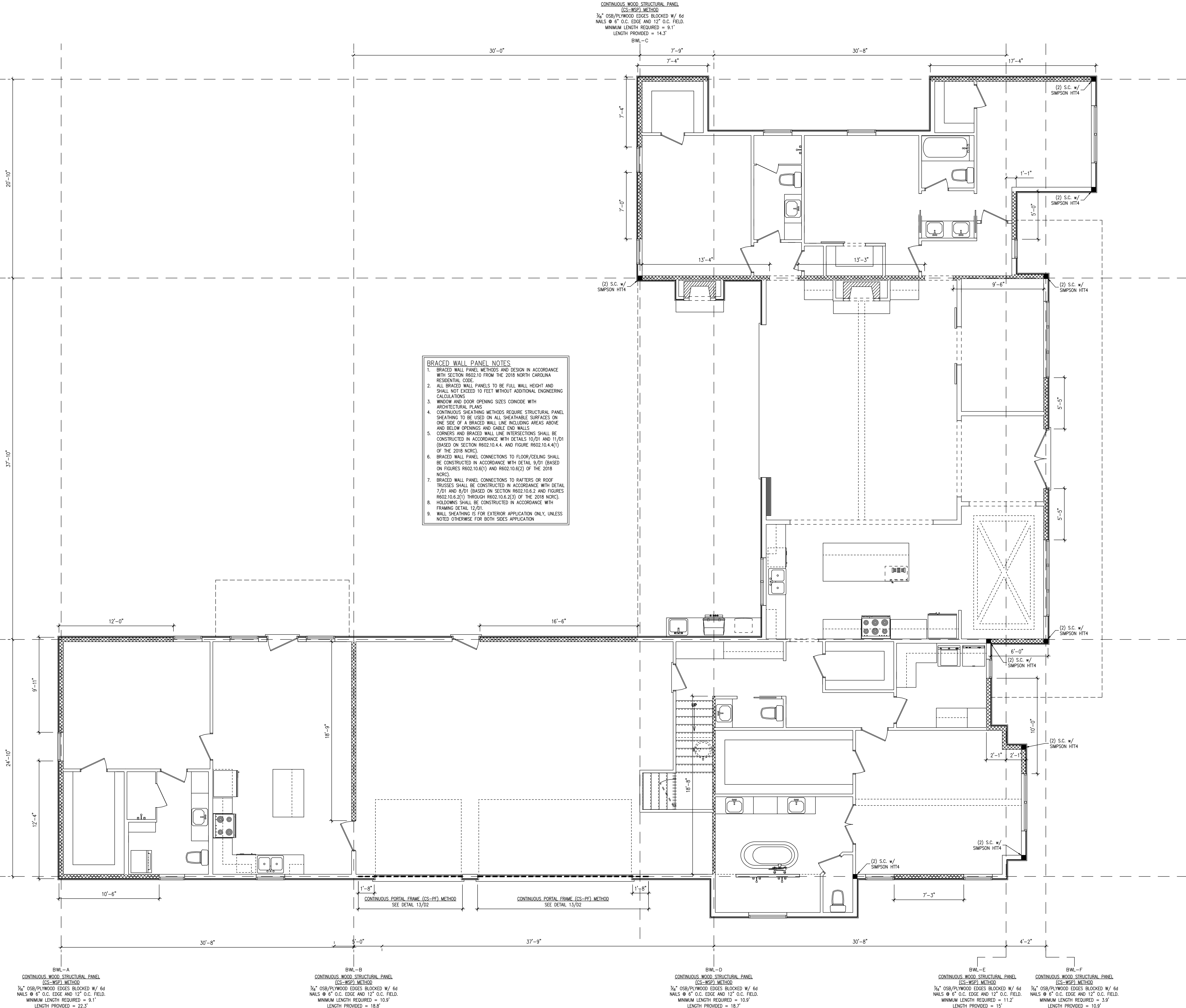
Nix Industries, LLC
 000 Erwin Chapel Rd, Dunn, NC 28334
 Braced Wall Plan

CONTINUOUS WOOD STRUCTURAL PANEL
 (CS-WSP) METHOD
 3/4" OSB/PLYWOOD EDGES BLOCKED W/ 6d
 NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD.
 MINIMUM LENGTH REQUIRED = 6.8'
 LENGTH PROVIDED = 24.7'
 BWL-1

CYPRESS BOARD (CB) METHOD
 5" (MIN) CYPRESS BOARD BOTH SIDES OF
 WALL, EDGES BLOCKED W/ 5d NAILS @ 7"
 O.C. EDGE AND 12" O.C. FIELD.
 MINIMUM LENGTH REQUIRED = 22.9'
 LENGTH PROVIDED = 24.7'
 BWL-2

CONTINUOUS WOOD STRUCTURAL PANEL
 (CS-WSP) METHOD
 3/4" OSB/PLYWOOD EDGES BLOCKED W/ 6d
 NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD.
 MINIMUM LENGTH REQUIRED = 10.9'
 LENGTH PROVIDED = 34.5'
 BWL-3

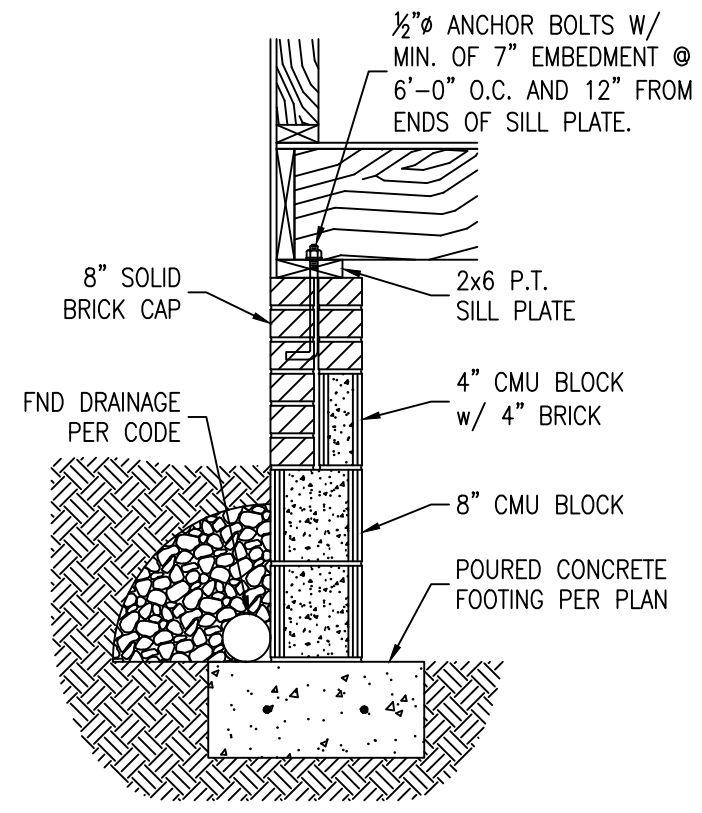
CONTINUOUS WOOD STRUCTURAL PANEL
 (CS-WSP) METHOD
 3/4" OSB/PLYWOOD EDGES BLOCKED W/ 6d
 NAILS @ 6" O.C. EDGE AND 12" O.C. FIELD.
 MINIMUM LENGTH REQUIRED = 7.5'
 LENGTH PROVIDED = 17.2'
 BWL-4



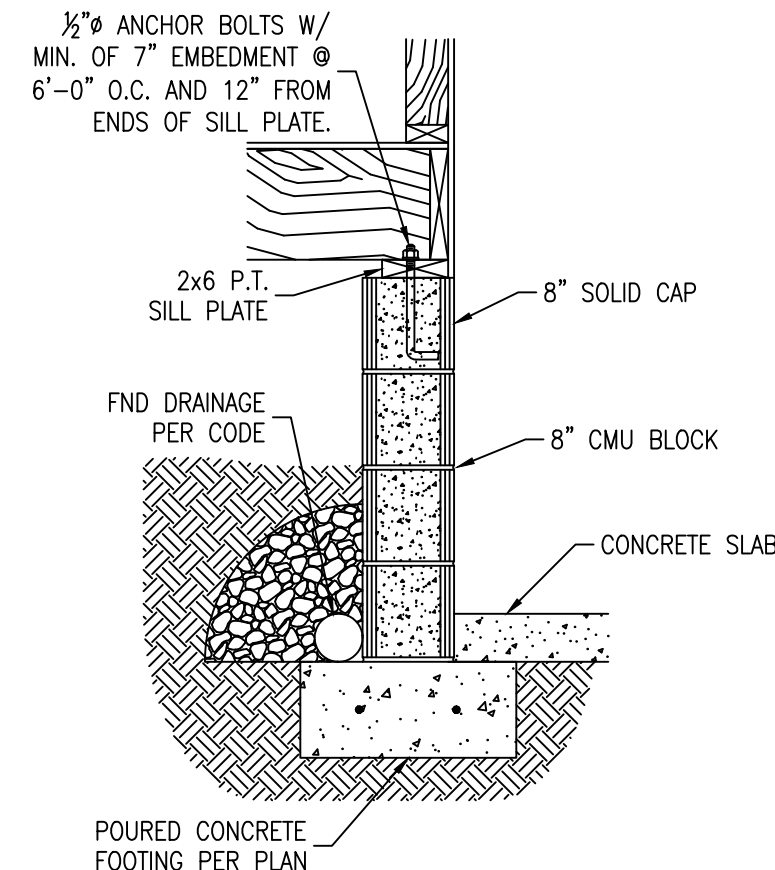
BRACED WALL PANEL NOTES

- BRACED WALL PANEL METHODS AND DESIGN IN ACCORDANCE WITH SECTION R602.10 FROM THE 2018 NORTH CAROLINA RESIDENTIAL CODE.
- ALL BRACED WALL PANELS TO BE FULL WALL HEIGHT AND SHALL NOT EXCEED 10 FEET WITHOUT ADDITIONAL ENGINEERING CALCULATIONS.
- WINDOW AND DOOR OPENING SIZES CONCORD WITH ARCHITECTURAL PLANS.
- CONTINUOUS SHEATHING METHODS REQUIRE STRUCTURAL PANEL SHEATHING TO BE USED ON ALL SHEATHABLE SURFACES ON ONE SIDE OF A BRACED WALL LINE INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS.
- CORNERS AND BRACED WALL LINE INTERSECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS 10/D1 AND 11/D1 (BASED ON SECTION R602.10.4.4. AND FIGURE R602.10.4.4(1) OF THE 2018 NRC).
- BRACED WALL PANEL CONNECTIONS TO FLOOR/CEILING SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAIL 9/D1 (BASED ON FIGURES R602.10.4(1) AND R602.10.4(2) OF THE 2018 NRC).
- BRACED WALL PANEL CONNECTIONS TO RAFTERS OR ROOF TRUSSES SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAIL 7/D1 AND 8/D1 (BASED ON SECTION R602.10.6.2 AND FIGURES R602.10.6.2(1) THROUGH R602.10.6.2(3) OF THE 2018 NRC).
- HOLDINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FRAMING DETAIL 12/D1.
- WALL SHEATHING IS FOR EXTERIOR APPLICATION ONLY, UNLESS NOTED OTHERWISE FOR BOTH SIDES APPLICATION.

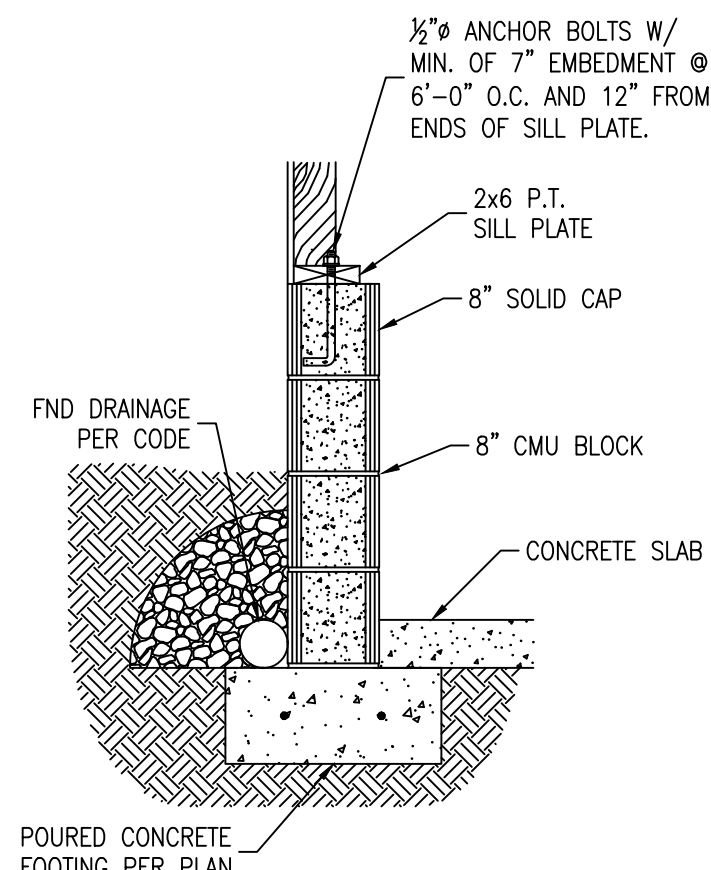
BRACED WALL PLAN
 1/4" = 1'-0"



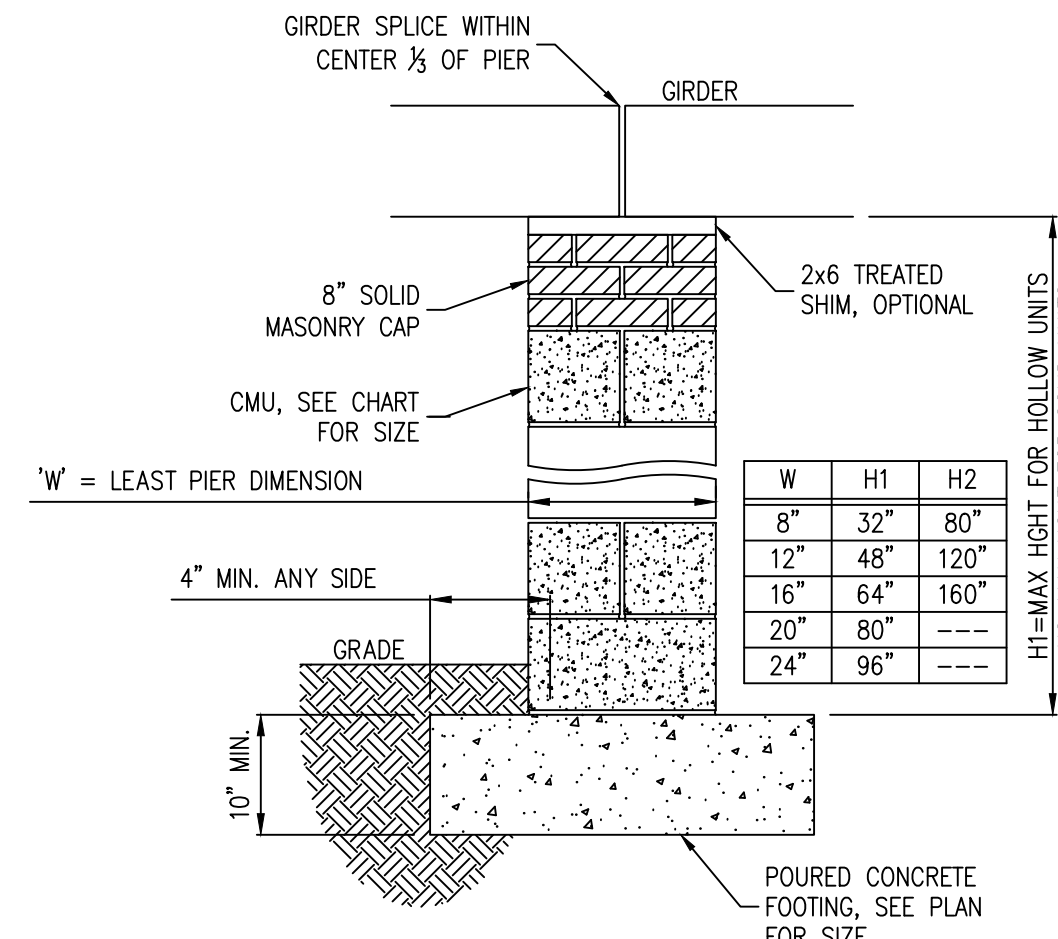
1 FOUNDATION WALL
D1 3/4" = 1'-0"



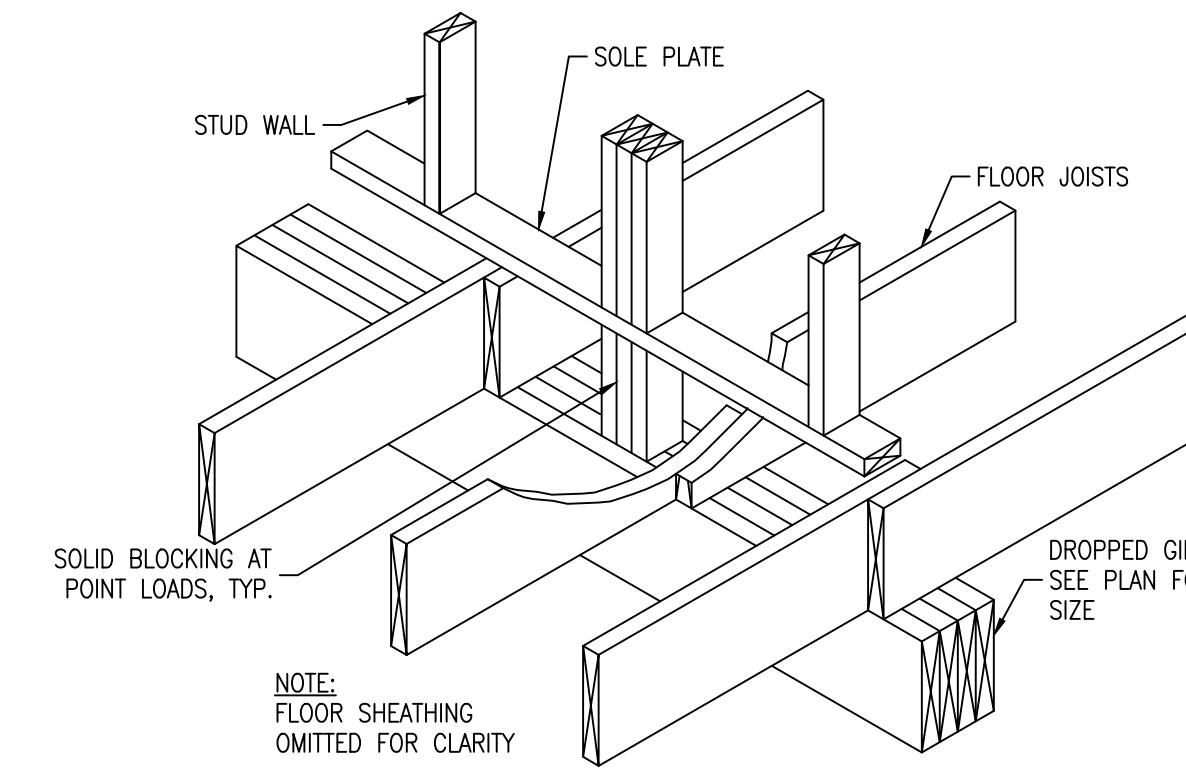
2 GARAGE INT. FND
D1 3/4" = 1'-0"



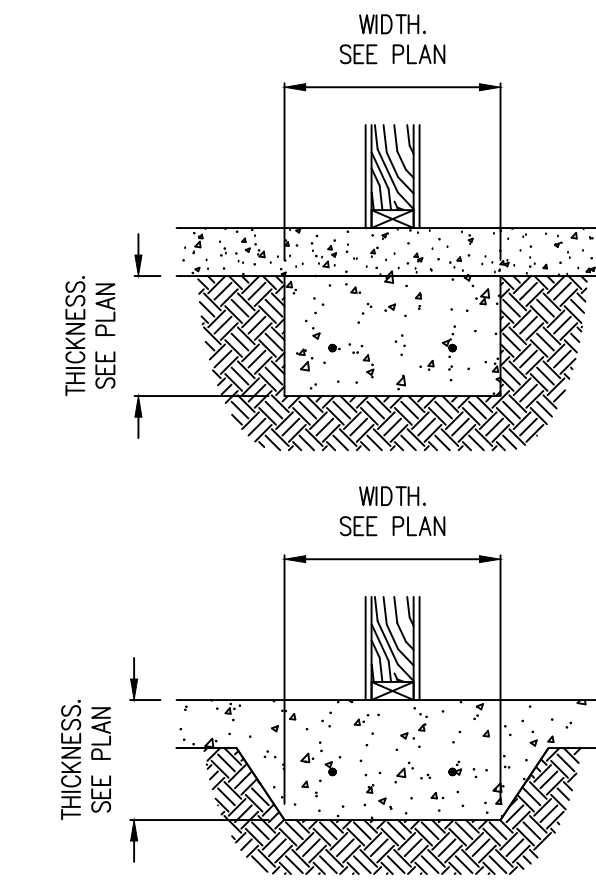
3 GARAGE EXT. FND
D1 3/4" = 1'-0"



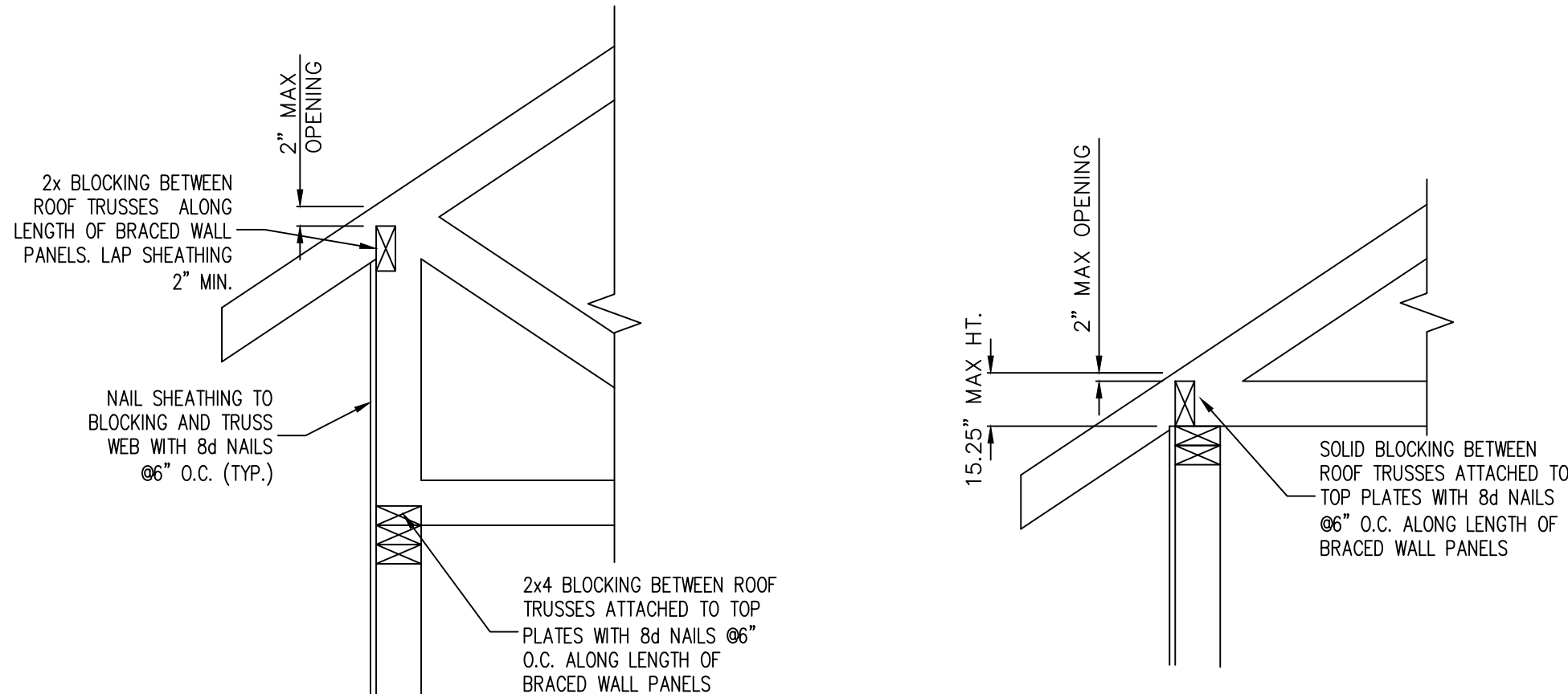
4 TYP. PIER
D1 3/4" = 1'-0"



5 TYP. DROPPED GIRDER
D1 3/4" = 1'-0"



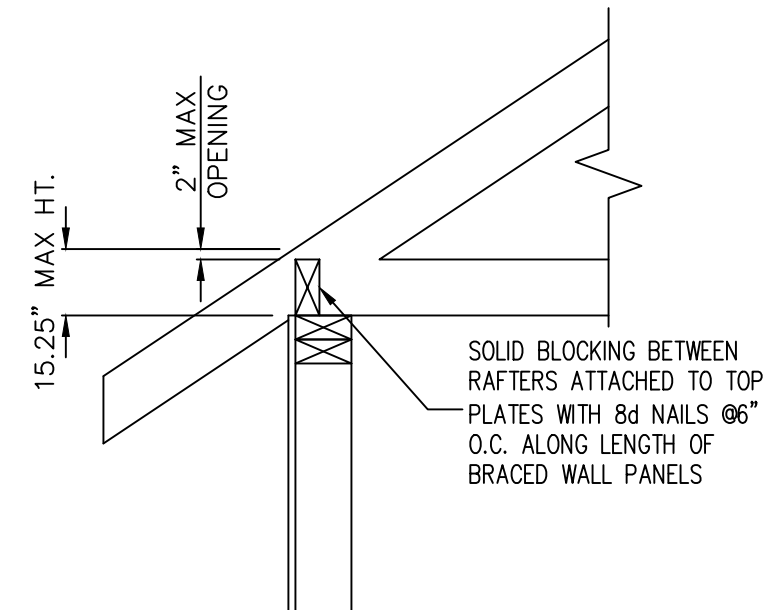
6 TYP. LUG FTG
D1 3/4" = 1'-0"



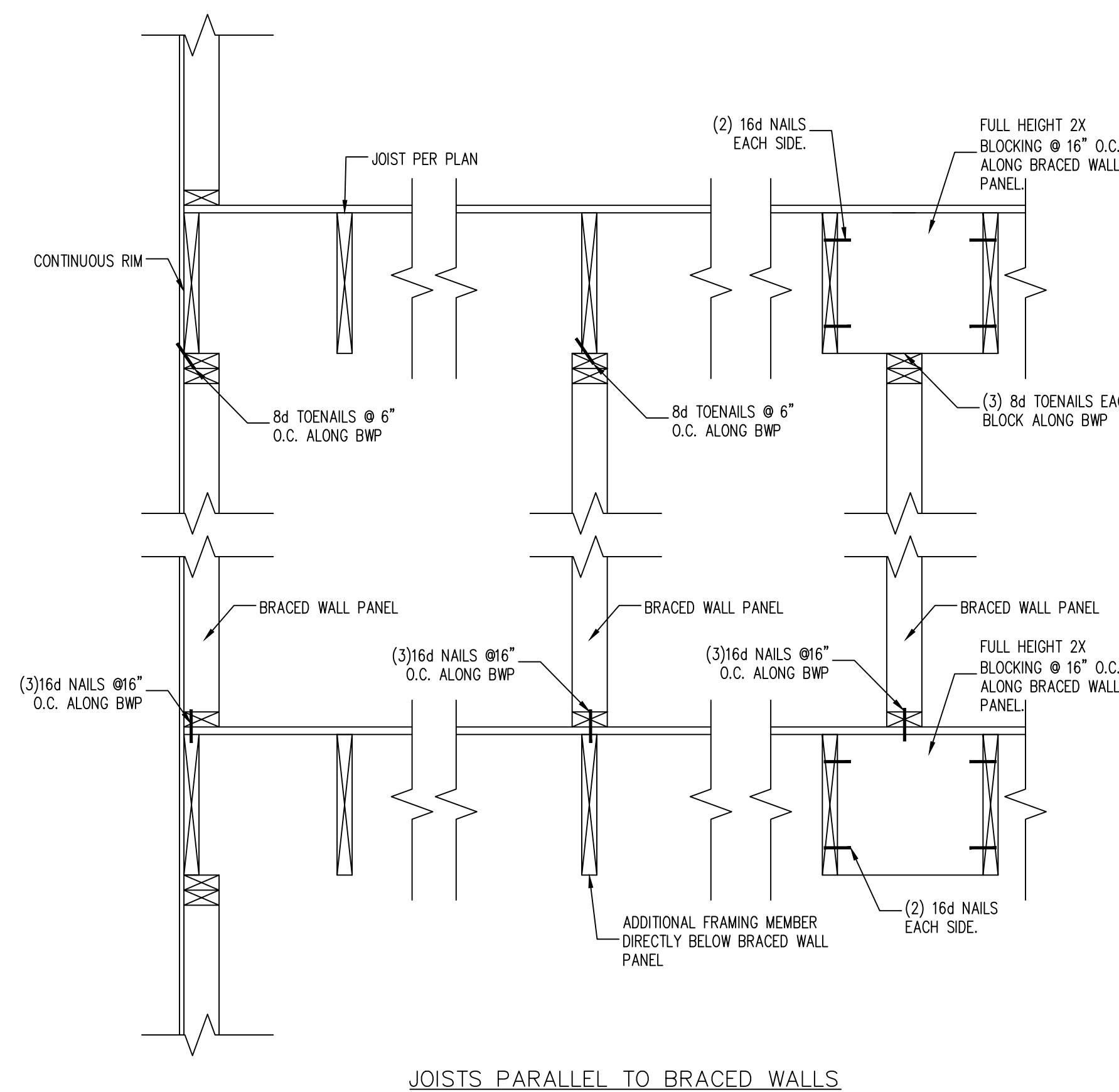
HEEL HEIGHT GREATER THAN 15.25"

HEEL HEIGHT LESS THAN 15.25"

7 TYP. WALL PANEL TO ROOF TRUSS CONNECTION
D1 3/4" = 1'-0"

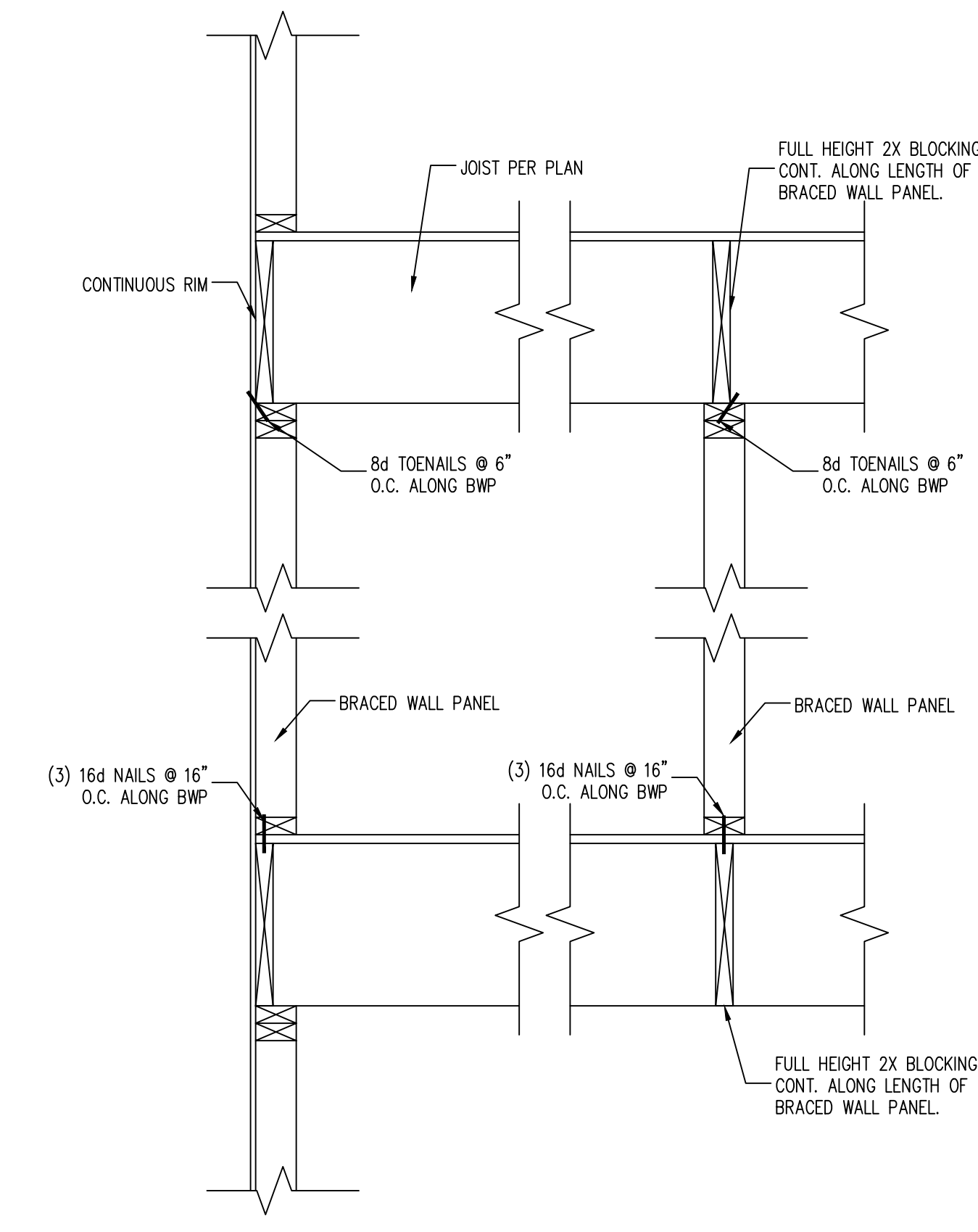


8 TYP. WALL PANEL TO RAFTER CONNECTION
D1 3/4" = 1'-0"

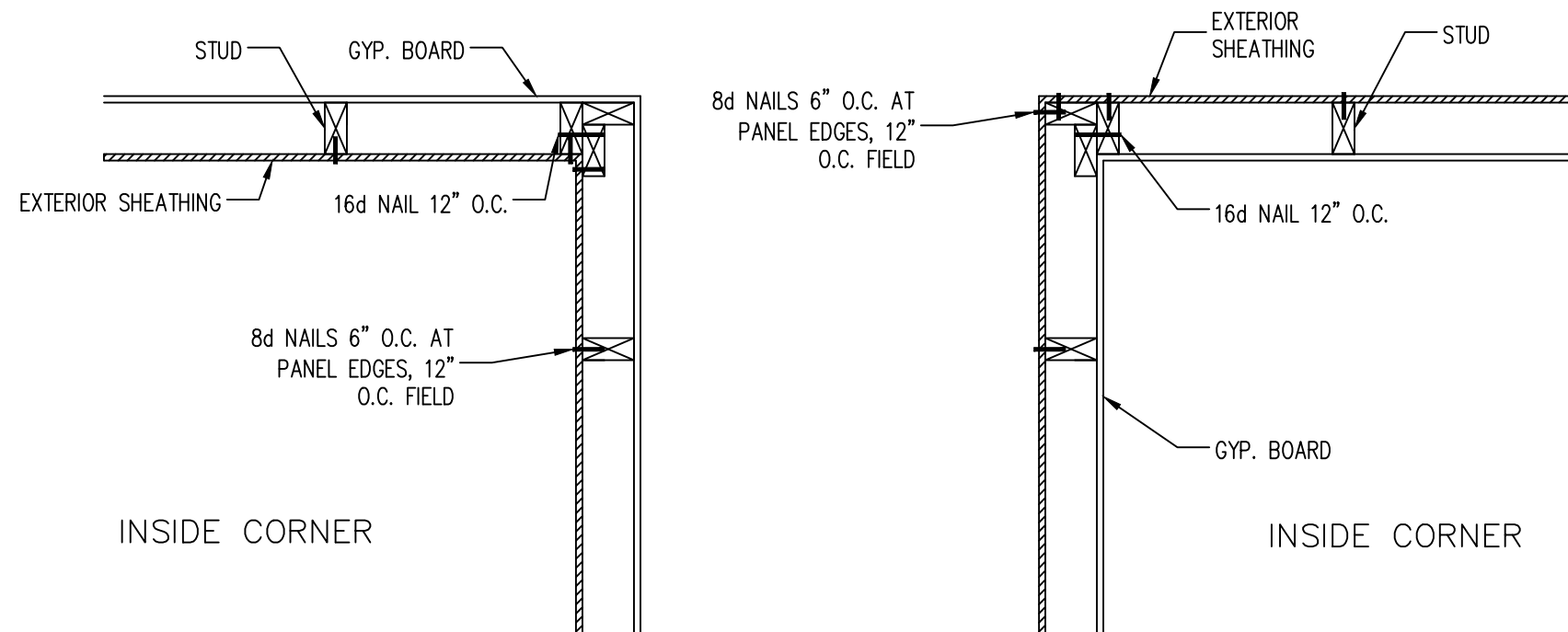


JOISTS PARALLEL TO BRACED WALLS

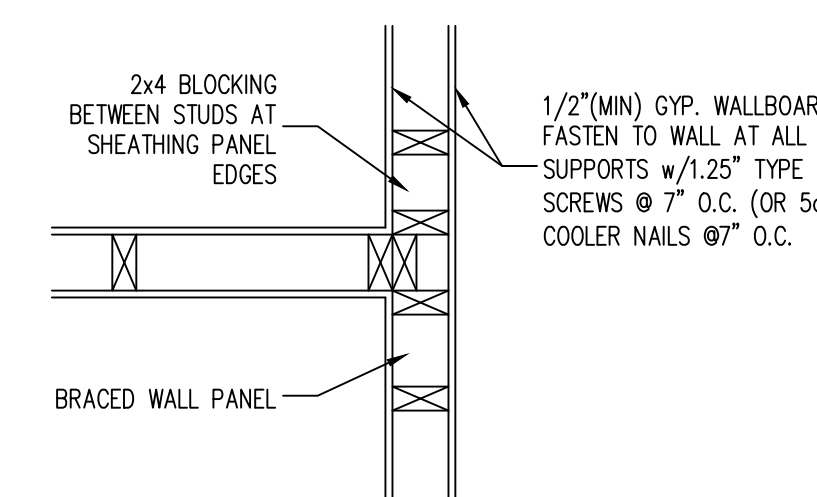
9 TYP. WALL PANEL TO FLOOR/CEILING CONNECTION
D1 3/4" = 1'-0"



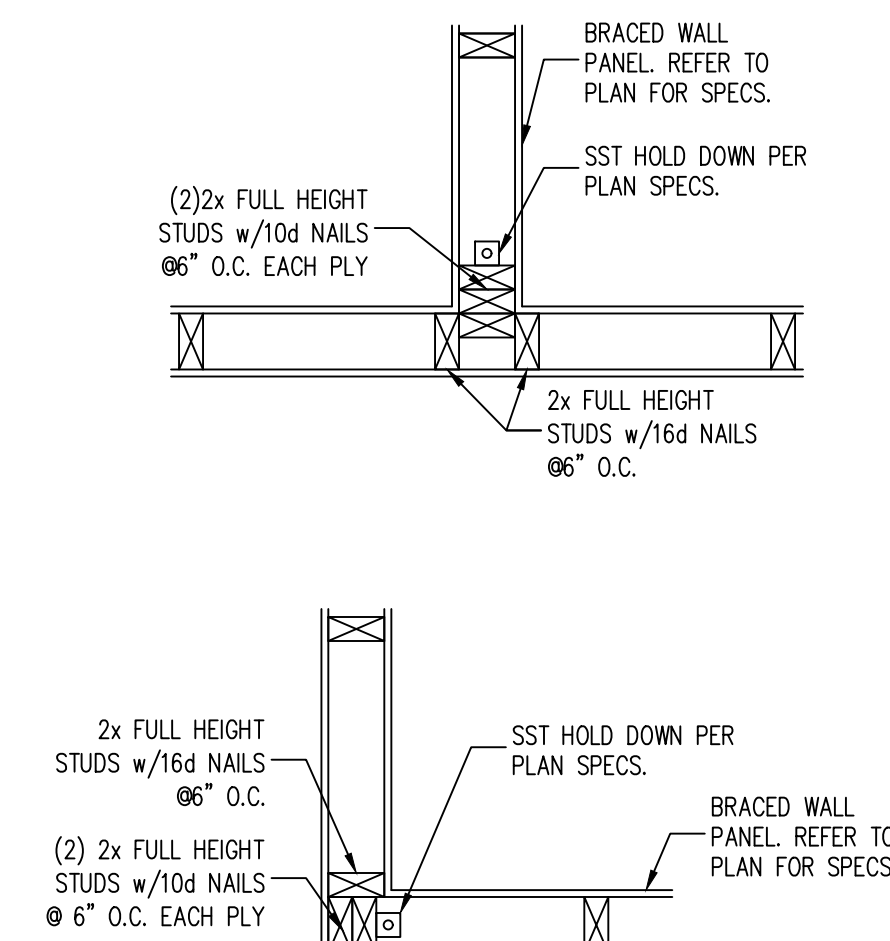
JOISTS PERPENDICULAR TO BRACED WALLS



10 TYP. EXTERIOR CORNER FRAMING
D1 3/4" = 1'-0"



11 INT. 3-STUD WALL INTERSECTION
D1 3/4" = 1'-0"



12 TYP. HOLD DOWN DETAIL
D1 3/4" = 1'-0"

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

CONT. 2x PLATE WITH 10d NAILS AT 16" O.C. INTO HEADER/BREAM

NAIL SHEATHING IN SHADED AREAS TO BEAM w/8d NAILS @3" O.C. EACH WAY

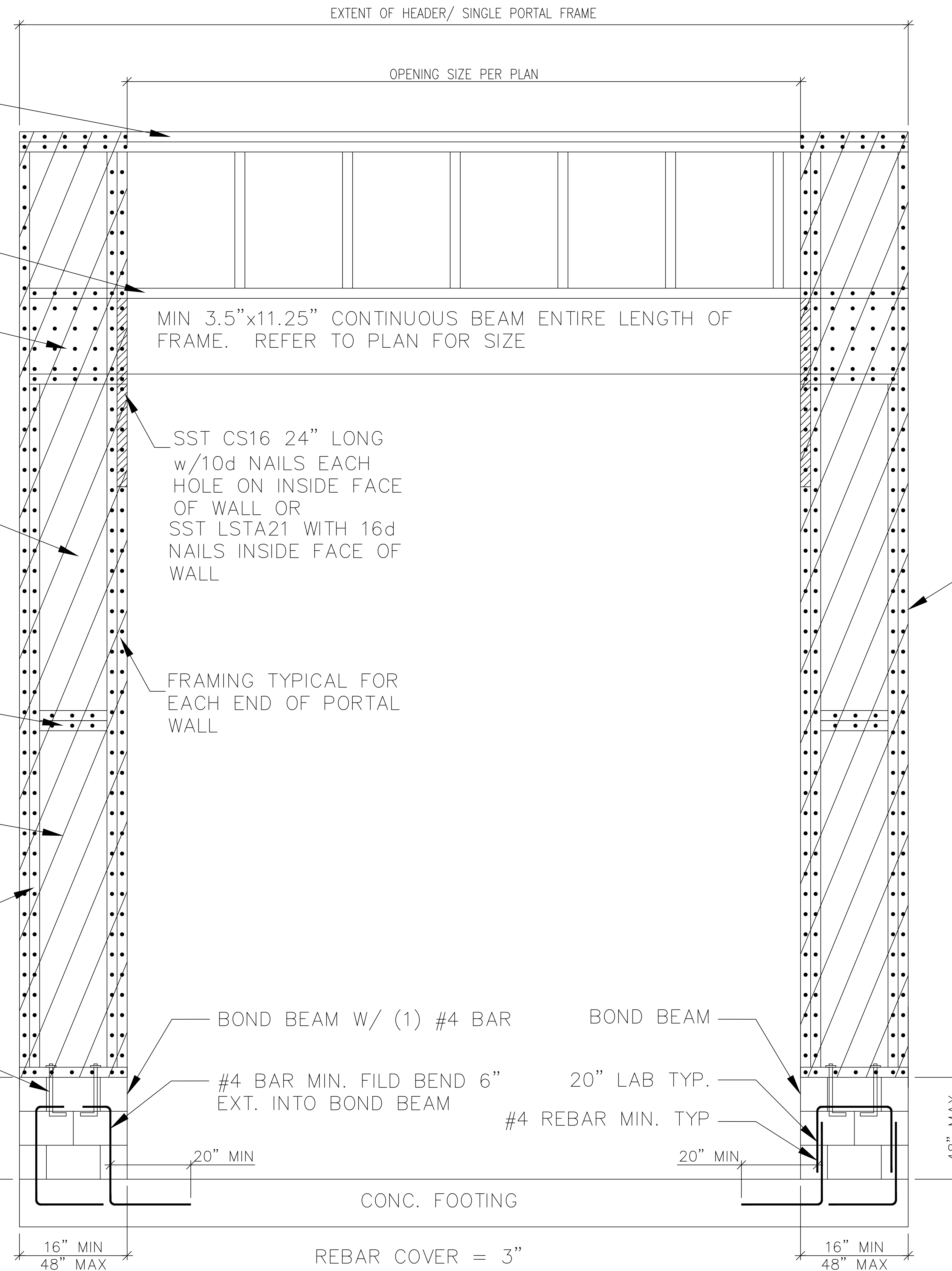
7/16" OSB OR 15/32" PLYWOOD EXT. WALL SHEATHING IN SHADED AREAS ATTACHED TO ALL SUPPORTS (STUDS, PLATES, BLOCKING, ETC) WITH 8d NAILS AT 3" O.C. EDGE AND 3" O.C. FIELD.

(2)2x4 BLOCKING AT ALL PANEL EDGES (TYP.)

ADD ADDITIONAL STUDS IF WALL WIDTH EXCEEDS 16"

(2)2x STUDS (MIN) AT START/END OF WALL SEGMENTS EACH SIDE OF OPENING.

2x4 P.T. PLATE WITH (2)1/2" DIA ANCHOR BOLTS EMBEDDED IN CONC. 7" MIN. WITH 3/16"x2"x2" PLATE WASHERS

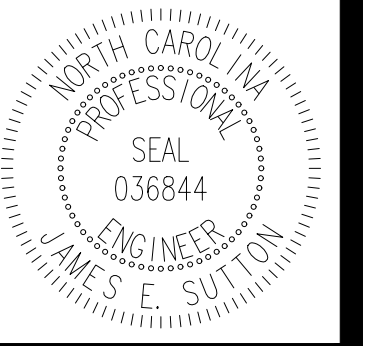


13
D2

CS METHOD: CONTINUOUSLY SHEATHED PORTAL FRAME

N.T.S.

ORIGINAL PLAN	DATE	CHECKED BY
PROJECT NO. 2401-226	08/06/2024	JES
REVISIONS		
REV PROJECT NO.	DATE	MADE BY / CHECKED BY / DESCRIPTION



Nix Industries, LLC
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Details