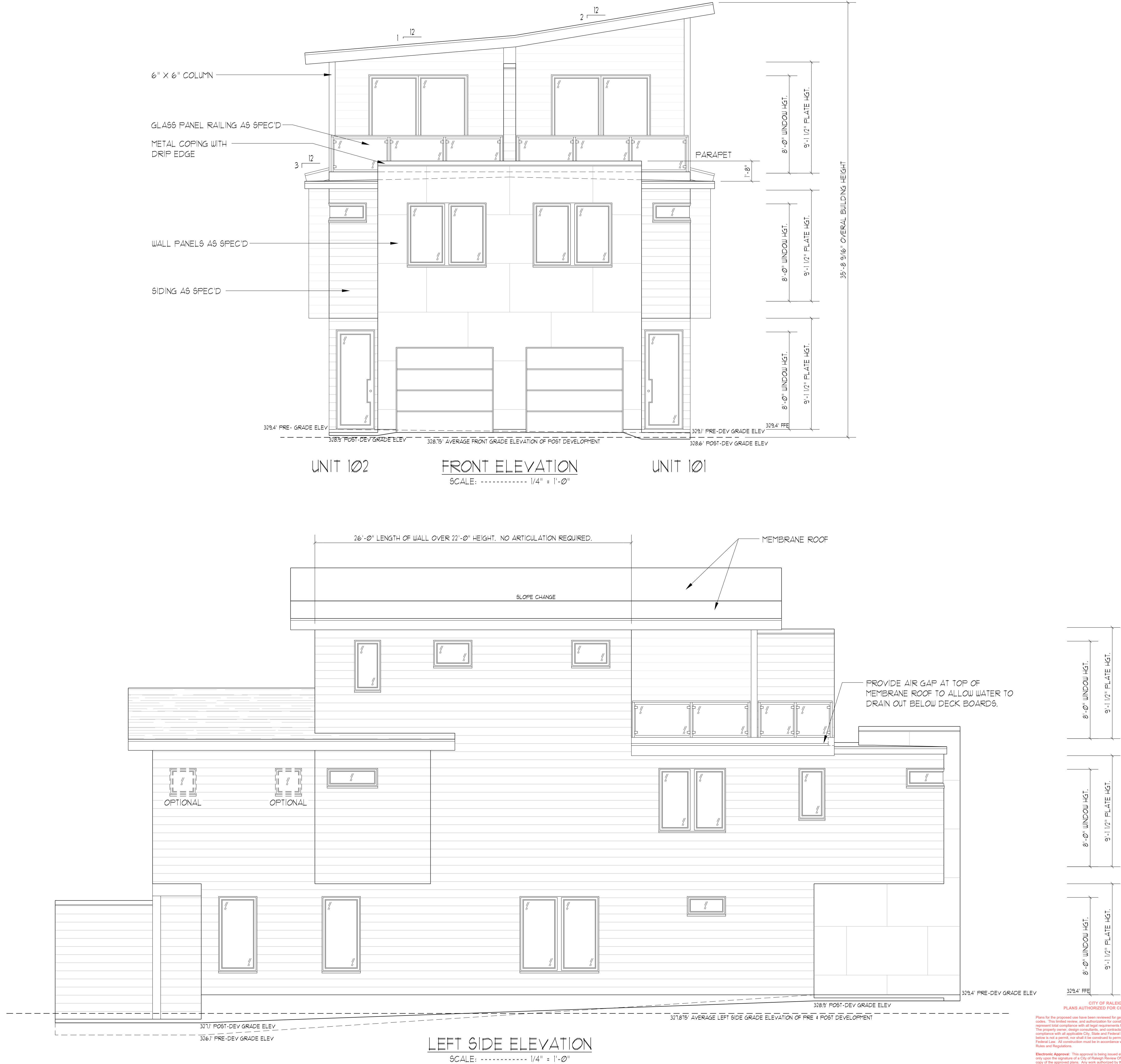




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PROJECT FOR: **BOYER DEVELOPMENT**
LOCATION: **RALEIGH, NC**
HOUSE #: **1508**
STREET: **BOYER**
COUNTY: **WAKE**

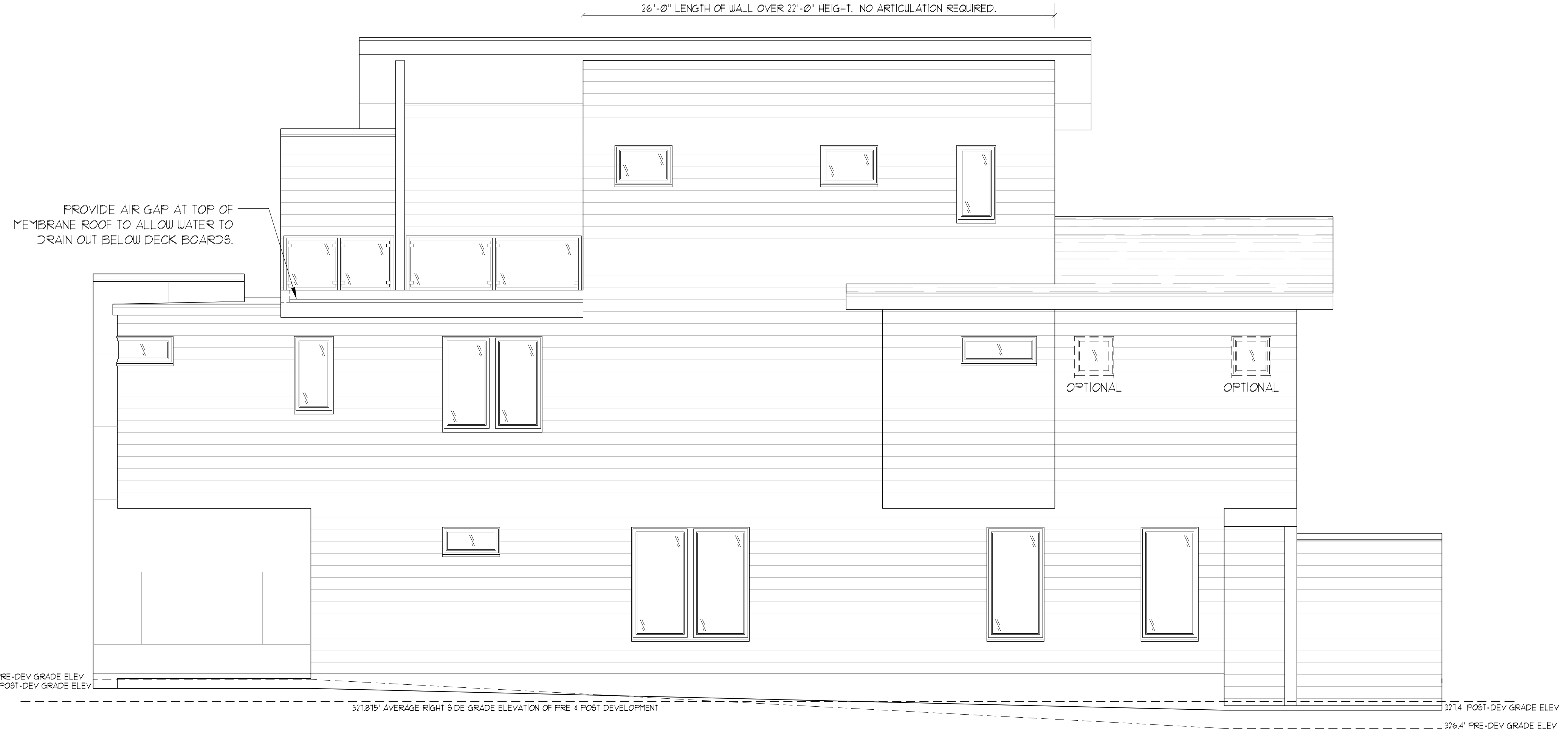
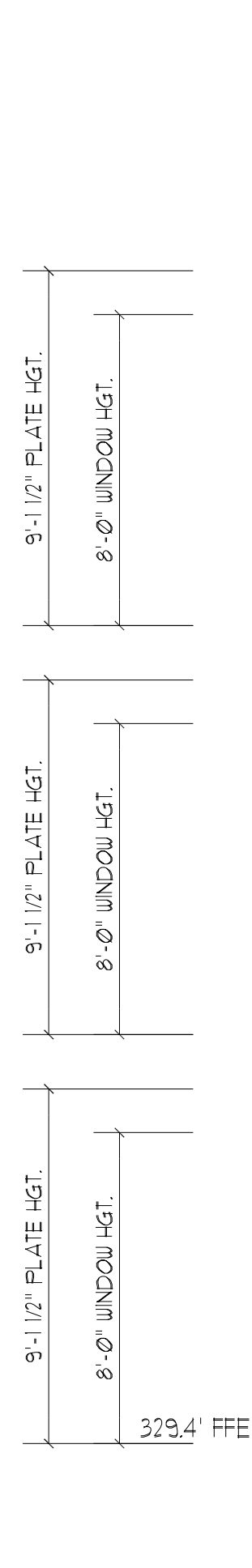
1508 BOYER

PLAN NAME
C-2040-15

DATE
5-31-24

PLAN I.D.
PLAN I.D.

A-1A
SHEET

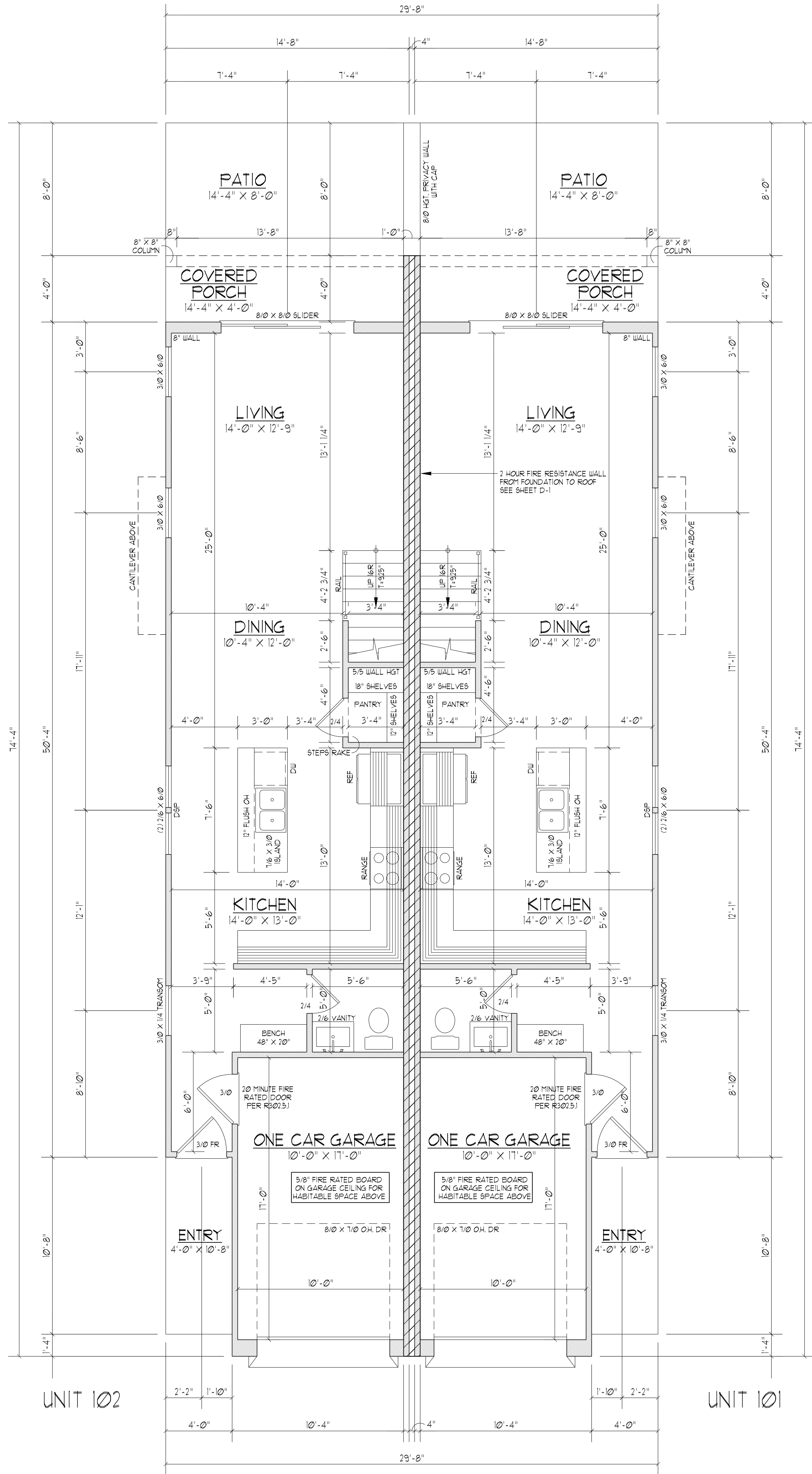


RIGHT SIDE ELEVATION

SCALE: ----- 1/4" = 1'-0"

A-1B

SHEET



FIRST FLOOR PLAN

SCALE: ----- 1/4" = 1'-0"

616 HEATED SQ. FT.
190 SQ. FT. GARAGE
43 SQ. FT. ENTRY
59 SQ. FT. COVERED REAR PORCH
111 SQ. FT. PATIO

AREA CALCULATIONS PER UNIT

NOTES:

- 9'-0" CLG. HGT. (9' - 1 1/2" FLT. HGT.) UNLESS OTHERWISE NOTED.
- ALL WALLS DRAIN AT 4" WIDTHS
- SET WINDOWS AT 8'-0" A.S.F. UNLESS OTHERWISE NOTED.
- DIMENSIONS ARE TO FRAMING UNLESS OTHERWISE NOTED.
- CONSULT WINDOW MANUFACTURER'S SPECS. FOR EGRESS REQUIREMENTS, PRESSURE RATINGS, & ROUGH OPENGS.
- ELECTRICAL LAYOUT BY BUILDER

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PROJECT FOR: **BOYER DEVELOPMENT**

LOCATION: **RALEIGH, NC**

HOUSE #: **1508**

STREET: **BOYER**

COUNTY: **WAKE**

1508 BOYER

PLAN NAME

5-31-24

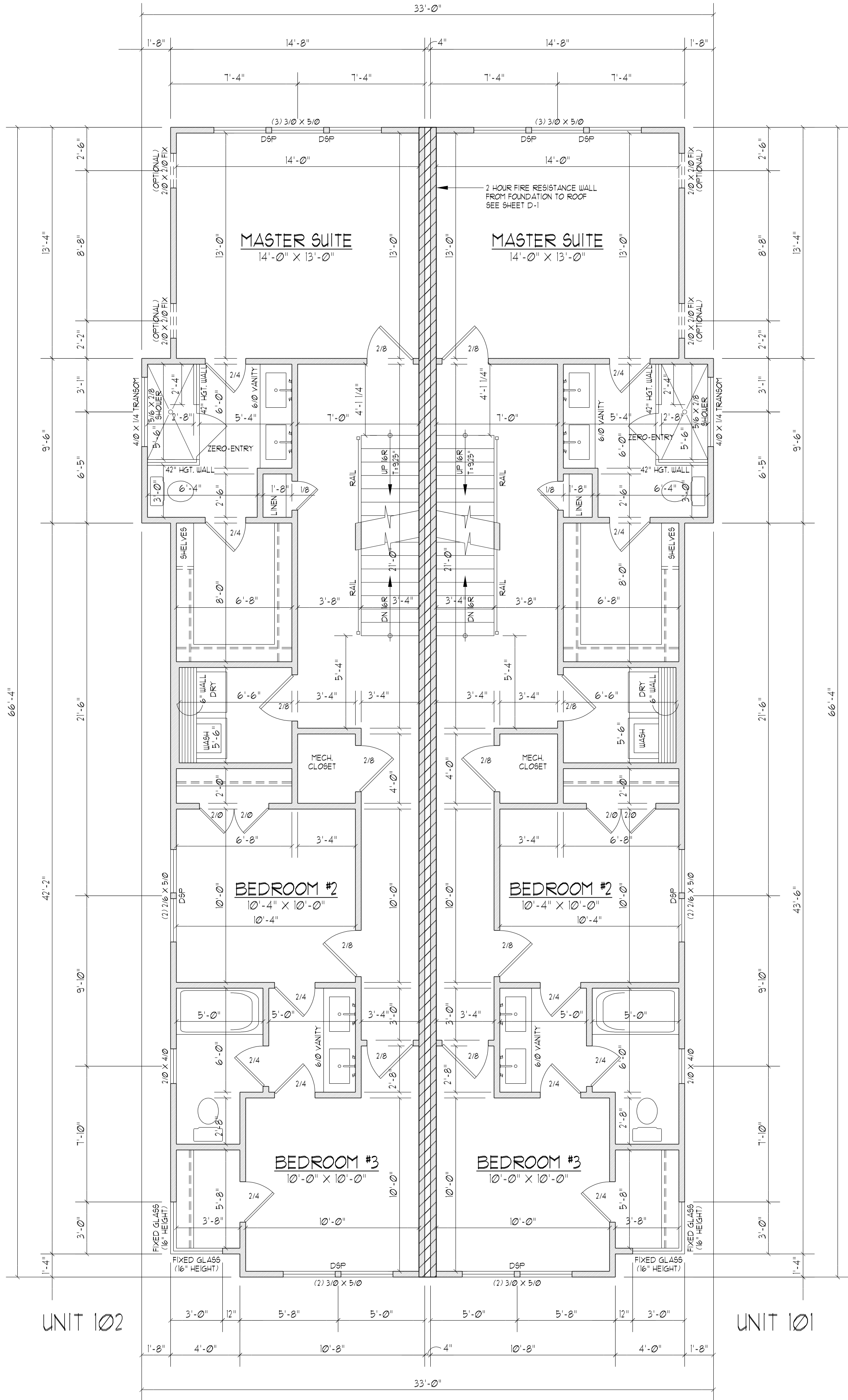
DATE

C-2040-15

PLAN I.D.

A-2

SHEET



SECOND FLOOR PLAN

SCALE ----- 1/4"=1'-0"

983 HEATED SQ. FT.
AREA CALCULATIONS PER UNIT

- NOTES:
- 1) 9'-0" CLG. HGT. (9' - 1 1/2" FLT. HGT.) UNLESS OTHERWISE NOTED.
 - 2) ALL WALLS DRAWN AT 4" WIDTHS UNLESS OTHERWISE NOTED.
 - 3) SET WINDOWS AT 8'-0" A&F UNLESS OTHERWISE NOTED.
 - 4) DIMENSIONS ARE TO FRAMING UNLESS OTHERWISE NOTED.
 - 5) CONSULT WINDOW MANUFACTURER'S SPECS. FOR EGRESS REQUIREMENTS, PRESSURE RATINGS, & ROUGH OPENINGS.
 - 6) ELECTRICAL LAYOUT BY BUILDER

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PROJECT FOR: **BOYER DEVELOPMENT**

LOCATION: **RALEIGH, NC**

HOUSE #: **1508**

STREET: **BOYER**

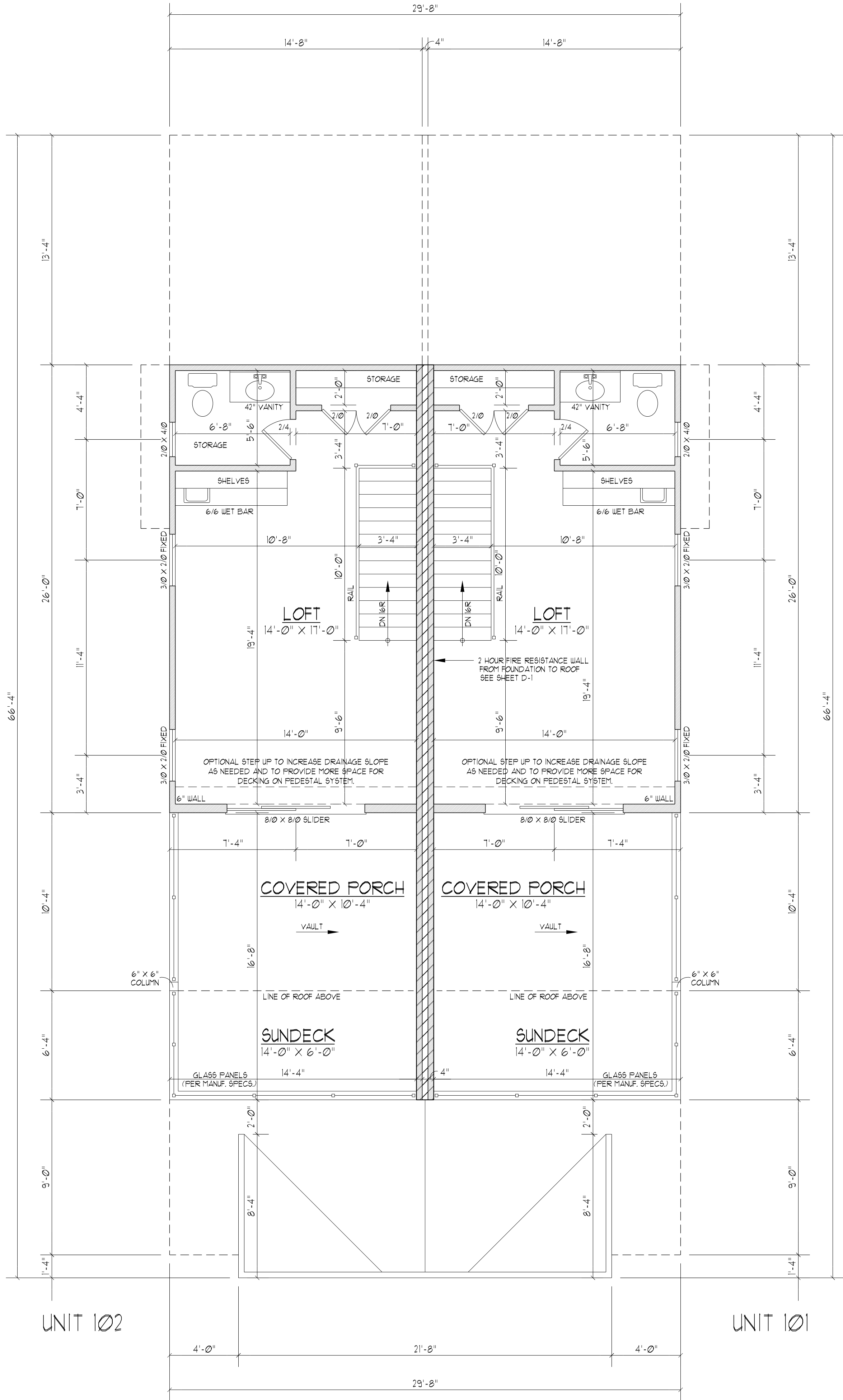
COUNTY: **WAKE**

1508 BOYER

PLAN NAME
C-2040-15
PLAN I.D.

DATE
5-31-24

A-3
SHEET



THIRD FLOOR PLAN

SCALE 1/4"=1'-0"

381 HEATED SQ. FT.
152 COVERED PORCH SQ. FT.
93 SUNDECK SQ. FT.

AREA CALCULATIONS PER UNIT

NOTES:

- 1) 9'-0" CLG. HGT. (9' - 1 1/2" FLT. HGT.) UNLESS OTHERWISE NOTED.
- 2) ALL WALLS FIGURED AT 4" WIDTHS UNLESS OTHERWISE NOTED.
- 3) SET WINDOWS AT 8'-0" A.S.F. UNLESS OTHERWISE NOTED.
- 4) DIMENSIONS ARE TO FRAMING UNLESS OTHERWISE NOTED.
- 5) CONSULT WINDOW MANUFACTURER'S SPECS. FOR EGRESS REQUIREMENTS, PRESSURE RATINGS, & ROUGH OPENINGS.
- 6) ELECTRICAL LAYOUT BY BUILDER

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PROJECT FOR: **BOYER DEVELOPMENT**

LOCATION: **RALEIGH, NC**

HOUSE #: **1508**

STREET: **BOYER**

COUNTY: **WAKE**

1508 BOYER

PLAN NAME

C-2040-15

PLAN I.D.

5-31-24

DATE

A-4

SHEET

Architectural roof plan showing a 3rd floor deck with a 20' high parapet wall. The plan includes dimensions for the deck (14' x 10'), the parapet wall (20' high), and the roof slopes (3:12, 1:12, 25:12). The plan also shows a ridge and a slope change.

ATTIC VENTILATION				
REQUIRED				
<u>1957</u> SQ FT OF ATTIC / 300 =		<u>6.52</u>	SQ. FT. OF INLET + OUTLET	
PROVIDED				
(INLET) SOFT	<u>07</u> SQ. FT. PER x	<u>56</u> LINEAR FT. OF VENT.	<u>3.92</u> SQ. FT. OF VENT.	<u>47</u> % (TOTAL OF)
(OUTLET) RIDGE	<u>11</u> SQ. FT. PER x	<u>40</u> LINEAR FT. OF VENT.	<u>4.40</u> SQ. FT. OF VENT.	<u>53</u> % (TOTAL OF OUTLET)
			<u>8.32</u> TOTAL SQ. FT. OF VENT.	

DYNAMIC
DESIGN
GROUP, INC.

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over dimensions.

PROJECT FOR: BOYER DEVELOPMENT
LOCATION: RALEIGH, NC
HOUSE #: 1508
STREET: BOYER
COUNTY: WAKE

1508 BOYER

PLAN NAME

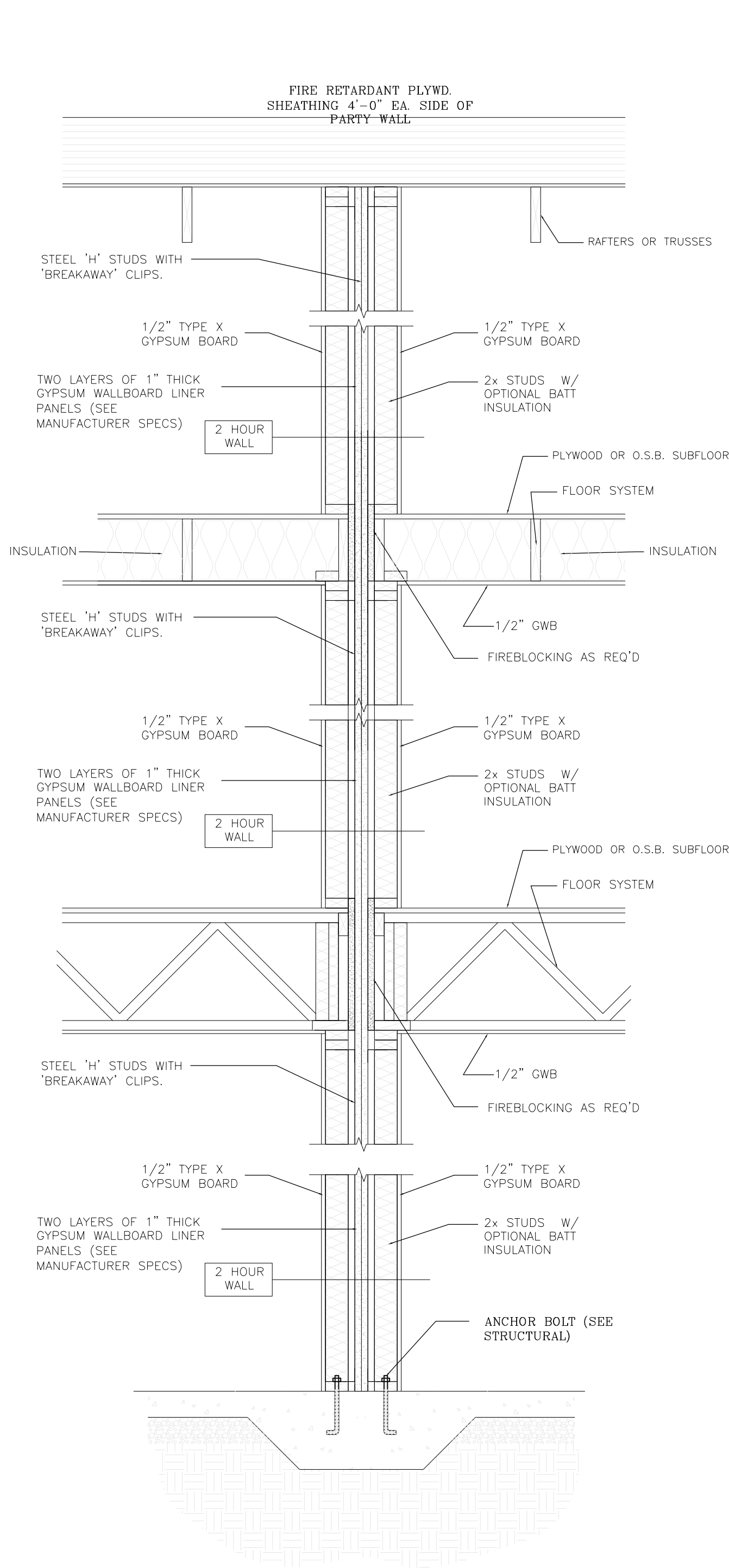
C-2040-15

PLAN I.D.

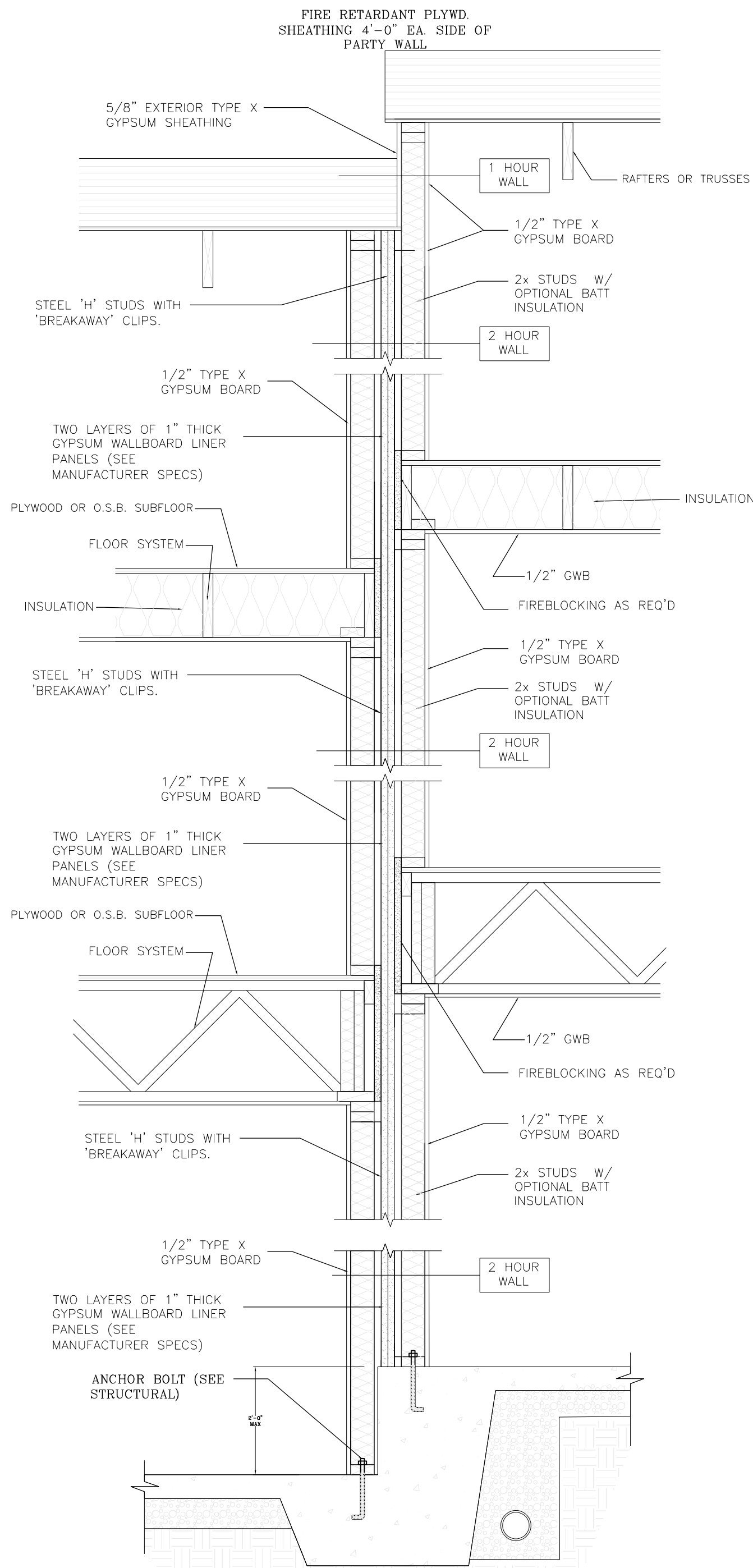
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DATE

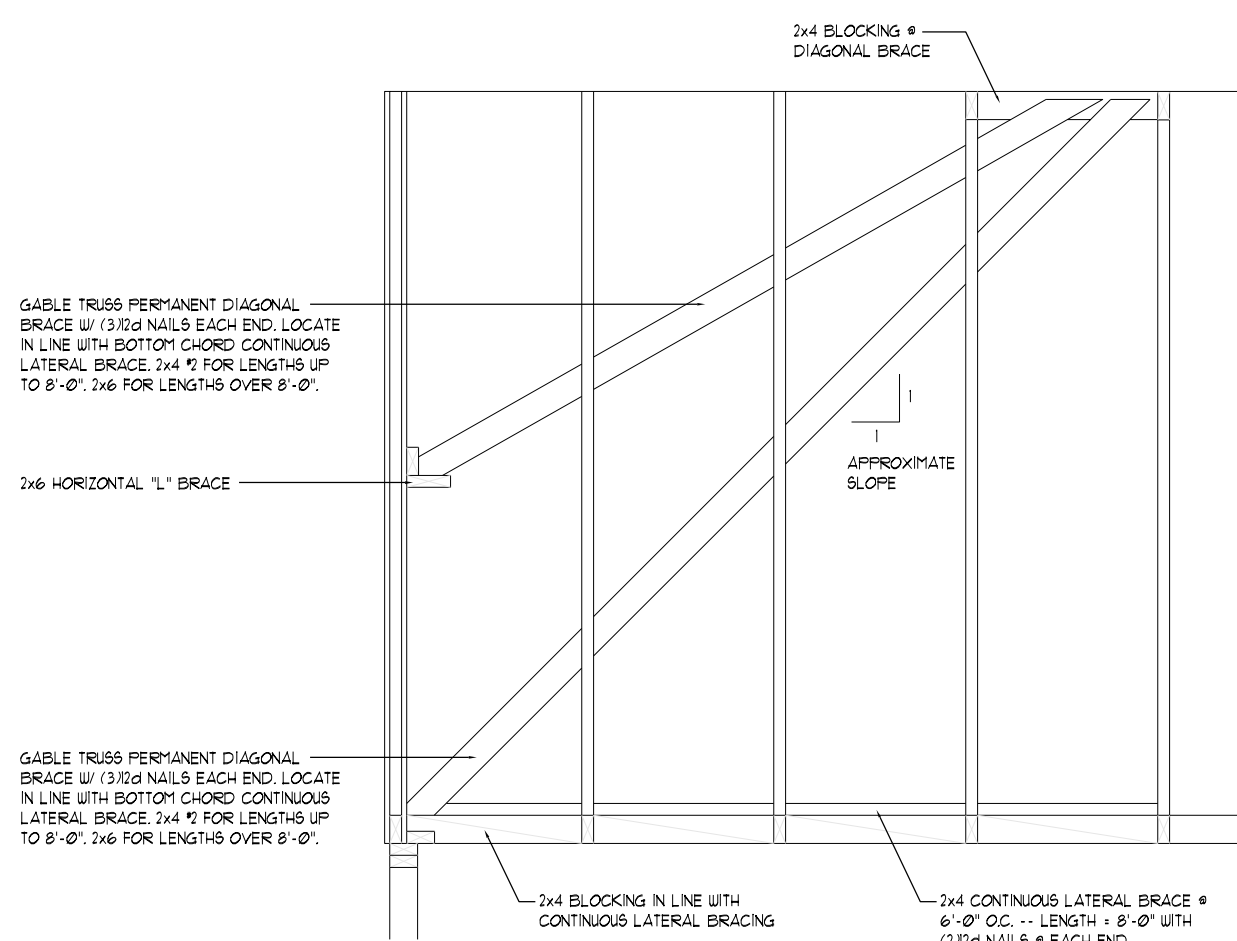
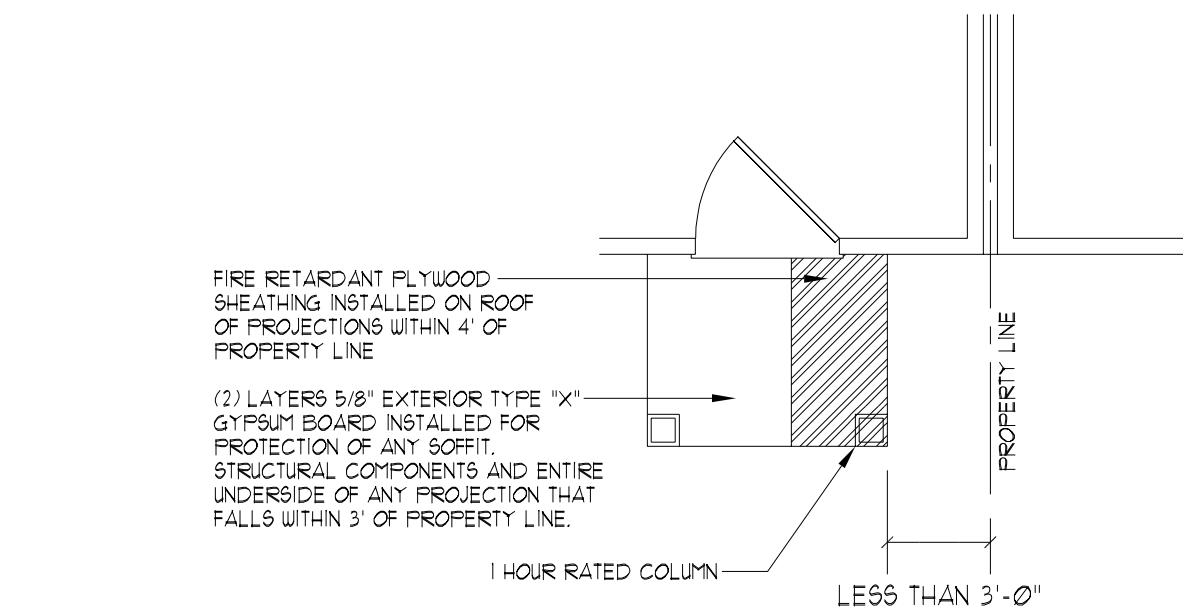
S-5
SHEET



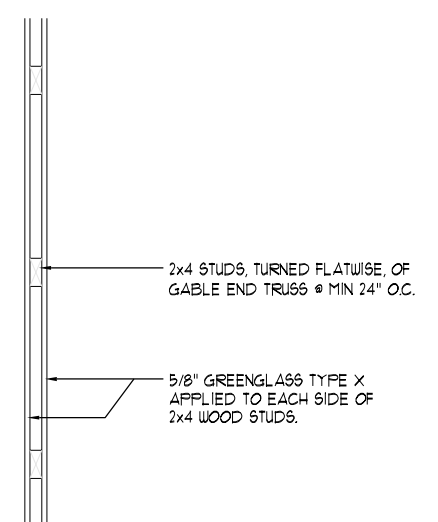
TYPICAL WALL DETAIL



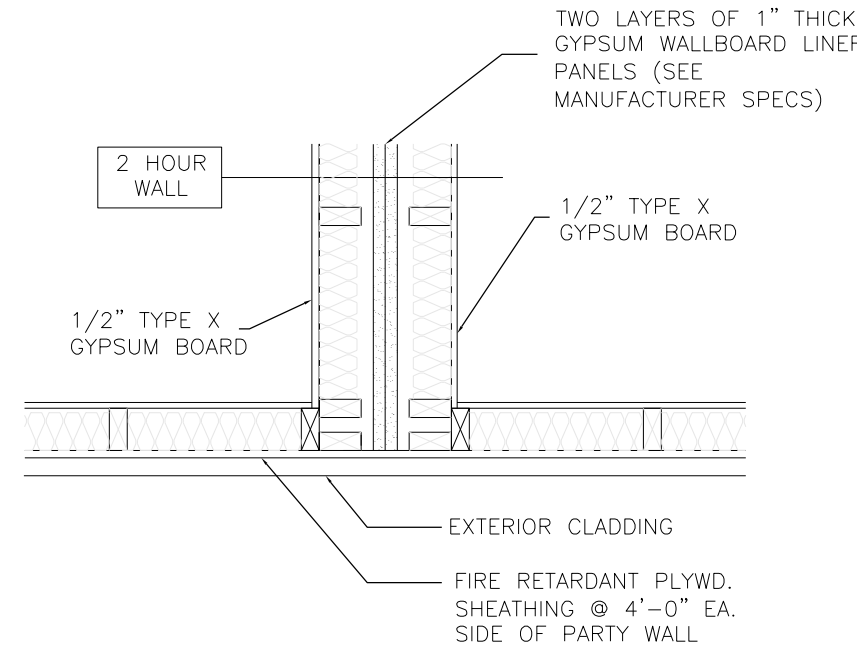
TYPICAL WALL DETAIL AT STEP



GABLE END TRUSS BRACING



1-HOUR FIRE RATING
(GABLE END)



TYPICAL FLUSH WALL DETAIL
(PLAN VIEW)

UL LEGEND

2 HOUR WALLS

UL #	MANUFACTURER
U347	NATIONAL GYPSUM
U366	CERTAINTED GYPSUM INC
U373	GEORGIA PACIFIC
U375	TEMPLE INLAND FOREST AND AMERICAN GYPSUM

CO.

1 HOUR WALL

UL #	MANUFACTURER
U305	ALL

NOTES:

- DETAILS ARE DERIVED FROM THE REQUIREMENTS OF THE 2018 NC RESIDENTIAL CODE (SECTIONS R302 AND R311), UL SPECIFICATIONS, AND THE MANUFACTURER'S MANUAL FOR AREA SEPARATION WALLS.
- WALL SEPARATIONS SHALL BE REVIEWED AND APPROVED BY CODE OFFICIAL FOR COMPLIANCE WITH THE 2018 NC RESIDENTIAL CODE AND LOCAL ORDINANCES.
- DYNAMIC DESIGN GROUP DOES NOT ASSUME LIABILITY FOR WALL SEPARATION. THE DETAILS SHOWN ON THIS PLAN DEPICT (TO THE BEST OF OUR ABILITY) THE APPROVED AND TESTED ASSEMBLIES PUBLISHED BY UL AND THE PRODUCT MANUFACTURER. THE BUILDER ASSUMES ALL LIABILITY FOR THE WALL SEPARATION ASSEMBLY.

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PROJECT FOR: **BOYER DEVELOPMENT**

LOCATION: **RALEIGH, NC**

HOUSE #: **1508**

STREET: **BOYER**

COUNTY: **WAKE**

1508 BOYER

PLAN NAME

C-2040-15

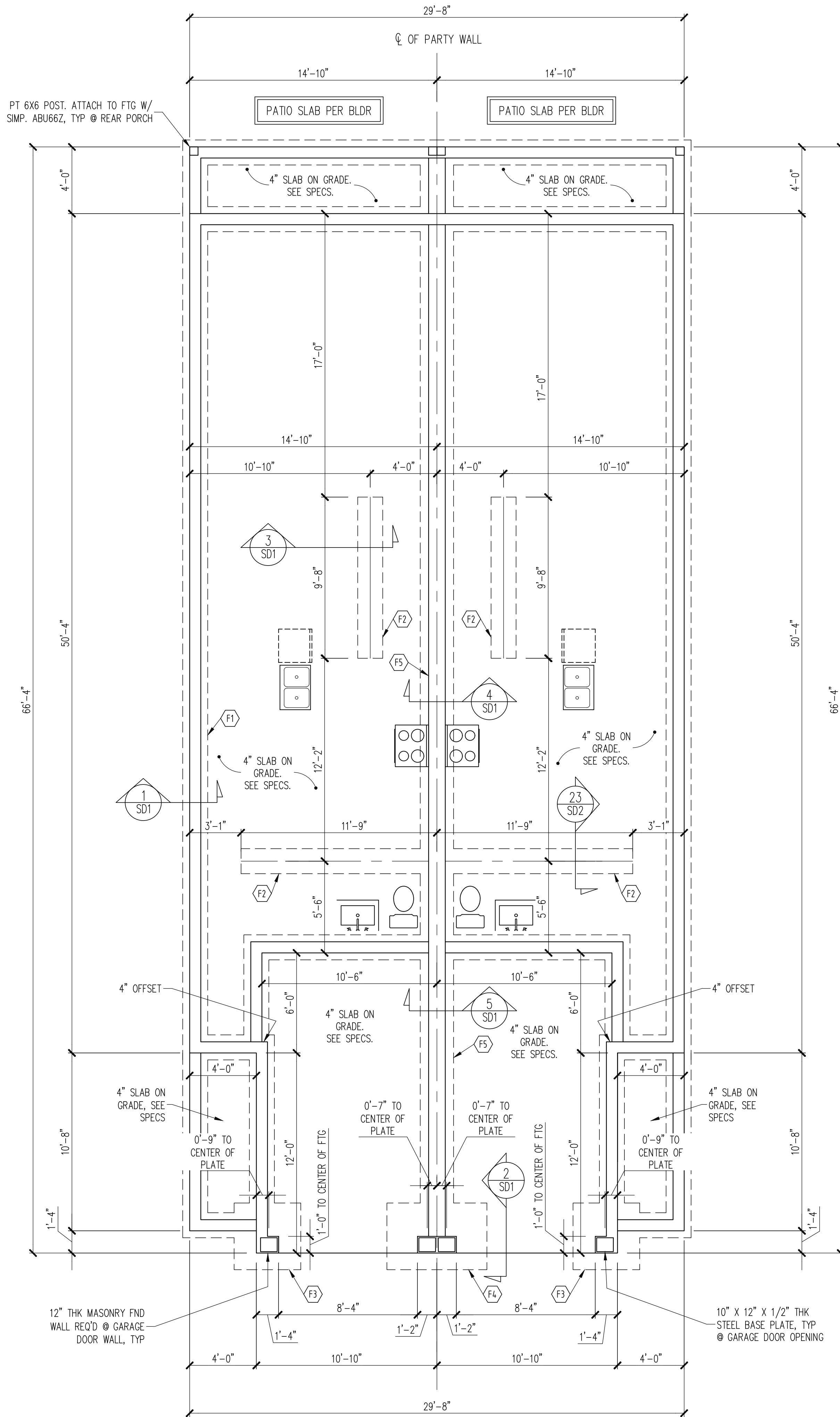
PLAN I.D.

5-31-24

DATE

D-1

SHEET



FOUNDATION SCHEDULE

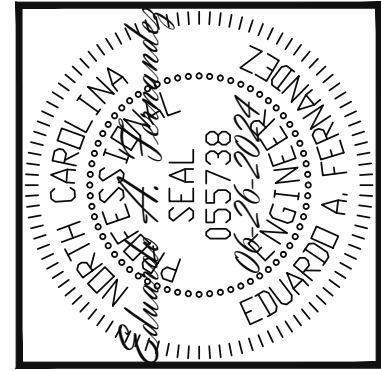
- F1 PERIMETER FOUNDATION WALL:
8" THK MASONRY FND WALL ON A 18" X 10" THK CONT POUR CONC FTG, TYP UNO
- F2 18" WIDE X 10" THICK LUG FOOTING, TYPICAL
- F3 12" THICK X 48" SQ. POURED CONCRETE FOOTING WITH (6) #4 X 42" REBAR @ 8" O.C. BOTH DIRECTIONS 3" CLR FROM BOTTOM OF FOOTING.
- F4 12" THICK X 72" X 48" POURED CONCRETE FOOTING WITH #4 REBAR @ 6" O.C. BOTH DIRECTIONS 3" CLR FROM BOTTOM OF FOOTING.
- F5 PARTY WALL:
12" THK MASONRY FND WALL ON A 24" X 10" THK CONT POUR CONC FTG, TYP

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.
-PLUMBING SHOWN FOR REFERENCE ONLY. BUILDER VERIFY FINAL FIXTURE LOCATIONS, SIZES AND REQUIREMENTS PRIOR TO INSTALLATION.

FOUNDATION PLAN

1/4" = 1'-0"

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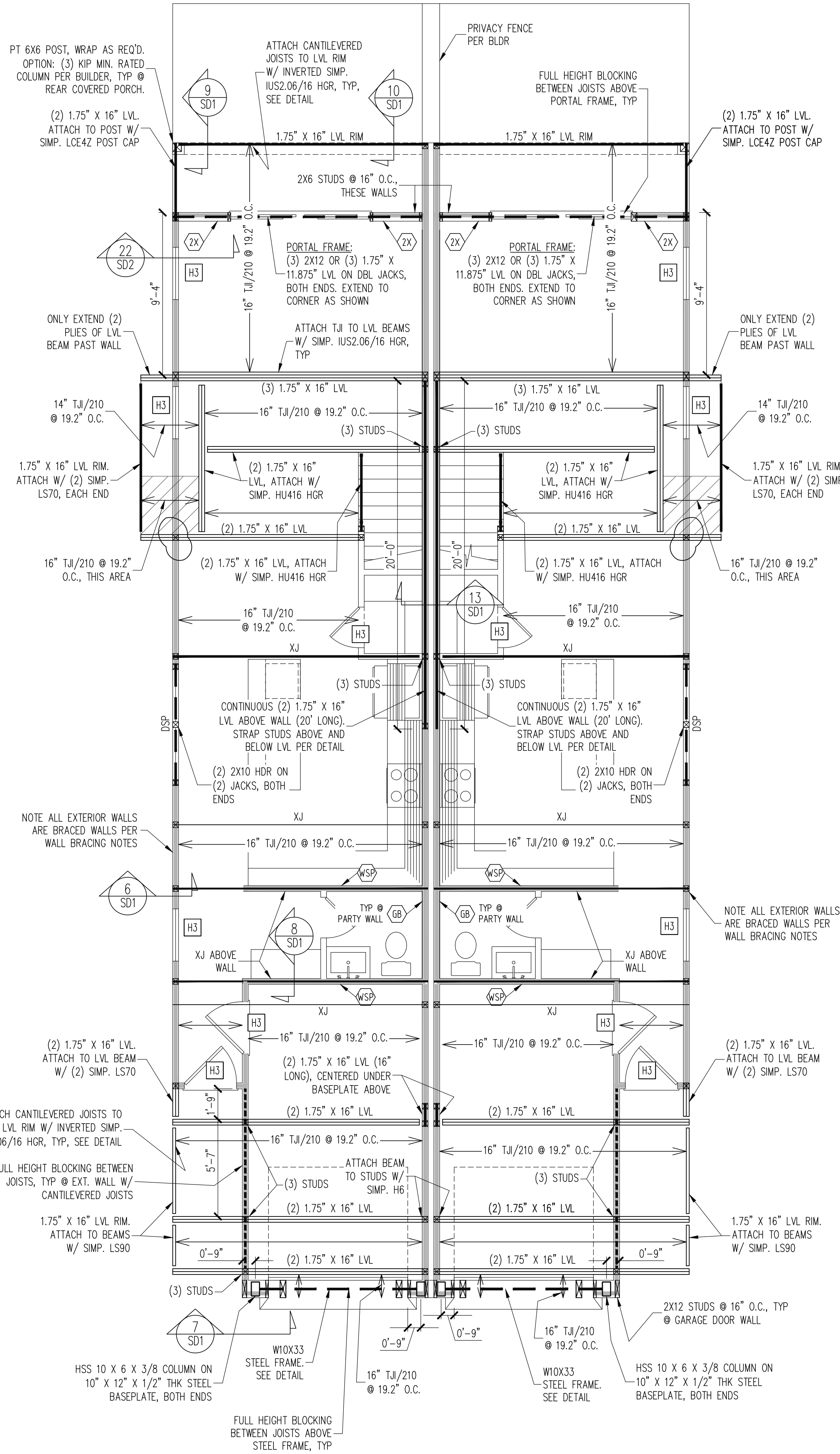
Engineering Tech Associates, P.A.
STRUCTURAL ENGINEERS
License No. C-3870
318 W Millbrook Rd. Unit 201
Raleigh, North Carolina 27609
Phone (919) 844-1661

BOYER DEVELOPMENT	
STRUCTURAL ADDENDUM	
REV #	REF PROJ #
1	24-66-200
2	24-66-261
DATE	DATE
06-11-2024	06-18-2024
SCOPE:	LOC:
1508 BOYER ST	

ENC: EAF/RJS
DATE: 06-26-2024

PROJECT NO.
24-22-034

SHEET NO.
S1
1 of 8



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 17: KING STUDS FOR EXTERIOR WALLS

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

WALL BRACING

SHADED WALLS:

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.

WSP - ONE SIDE OF INTERIOR WALL OR INSIDE OF EXTERIOR WALL WITH 3/8" MIN. THICKNESS WOOD STRUCTURAL PANELING. ATTACH WSP TO STUD WALL WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

GB - INTERIOR BRACED WALL. 1/2" GB SECURED PER TABLE R602.10.2 OF THE 2018 NCRBC. (FASTENERS @ 7" O.C.) BOTH SIDES OF WALL, OR (FASTENERS @ 4" O.C.) ONE SIDE OF WALL AT STAIRS (BUILDER PERMITTED TO SUBSTITUTE "WSP" FOR ANY "GB" WALL)

2X - SHEATH BOTH SIDES OF STUD WALL WITH 7/16 APA RATED OSB, NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD.

NOTES:
PROVIDED CONTINUOUS SHEATHING = 198" MIN.

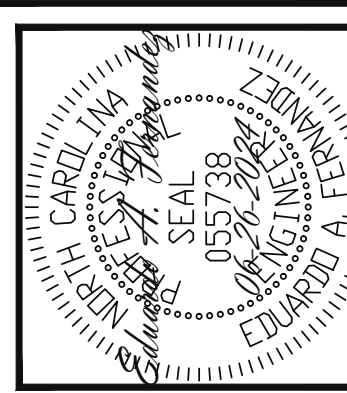
REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.

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

1ST FLOOR FRAMING PLAN

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

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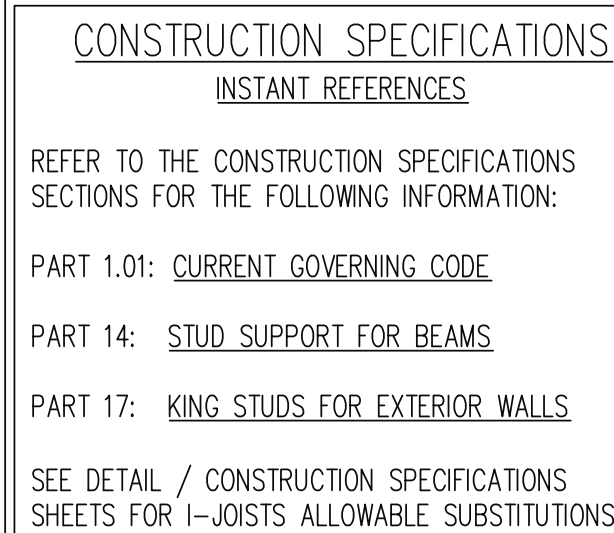
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318 W Millbrook Rd. Unit 201
Raleigh, North Carolina 27609
Phone (919) 844-1661

Engineering Tech Associates, P.A.

BOYER DEVELOPMENT	
STRUCTURAL ADDENDUM	
SCOPE	1508 BOYER ST
LOC	
REV #	REF PROJ # DATE
1	24-66-200 06-13-2024
2	24-66-261 06-18-2024

ENC:	EAF/RJS
DATE	06-26-2024
PROJECT NO.	
24-22-034	
SHEET NO.	
S2	
2 of 8	

3 of 8



SHADED WALLS:

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.

NOTES:
PROVIDED CONTINUOUS SHEATHING = 112' MIN

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

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.

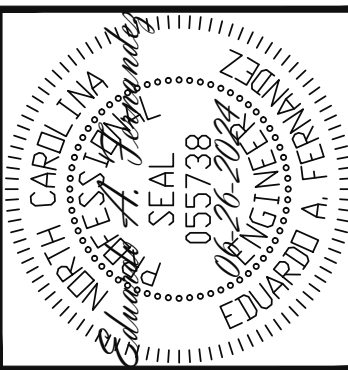
(B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX.

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

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

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

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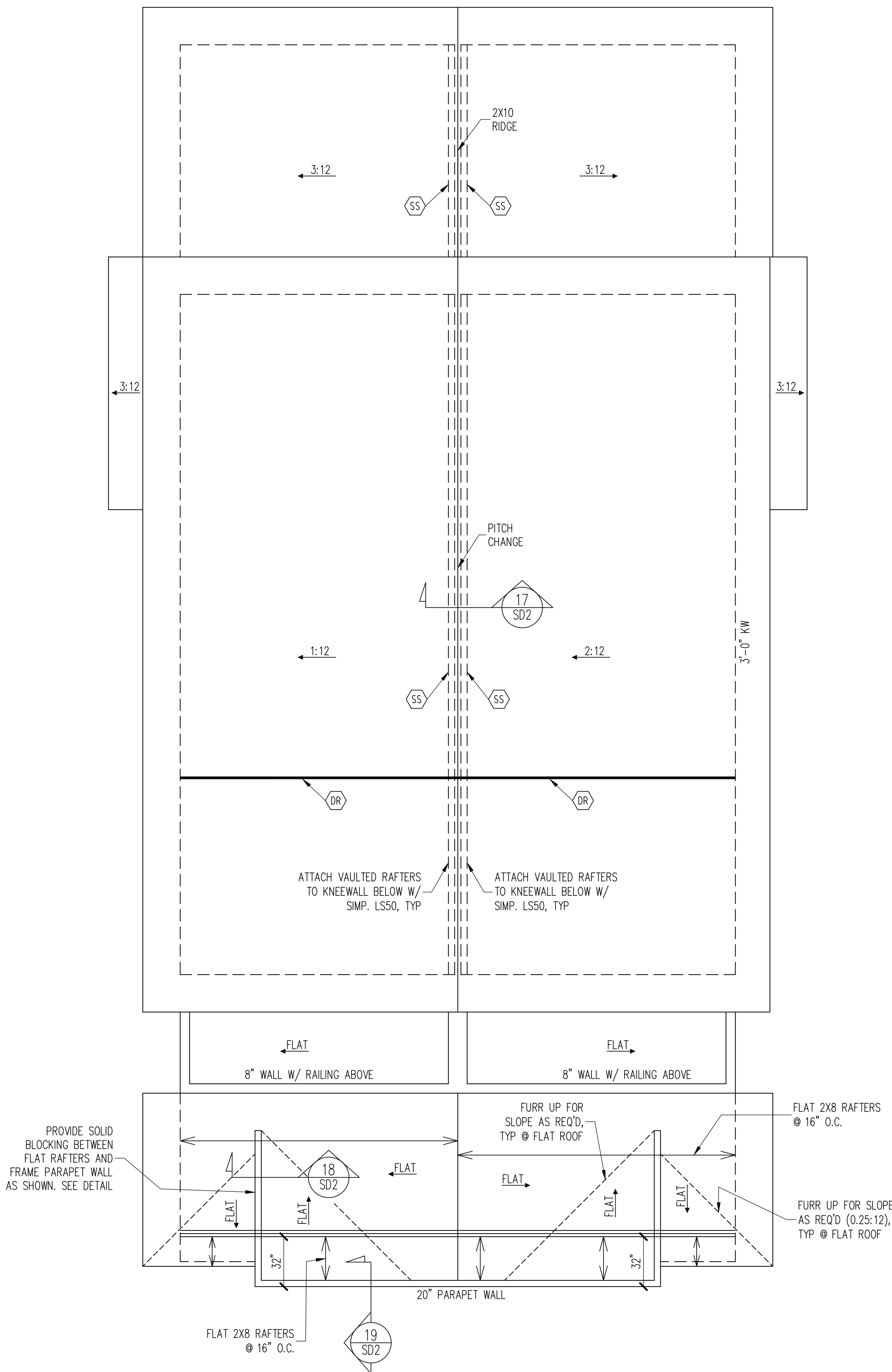
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SCOPE:	STRUCTURAL ADDENDUM		
LOC:	1508 BOYER ST	REV #	REF PROJ # DATE
		1	24-66-200 06-11-2024
		2	24-66-261 06-18-2024

ENG: EAF/RJS
DATE: 06-26-2024

PROJECT NO.
24-22-034

SHEET NO.
S4
4 of 8

BI DR-020567-2024 FINAL PJ AN SET.pdf



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.

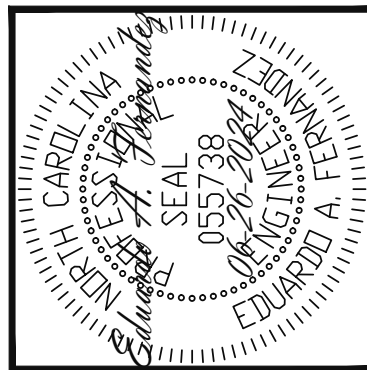
FRAMING SCHEDULE
ROOF ONLY

DR	DOUBLE RAFTER
SS	SUPPORT/SPLICE RAFTERS ON KNEEWALL BELOW

ROOF FRAMING PLAN

1/4" = 1'-0"

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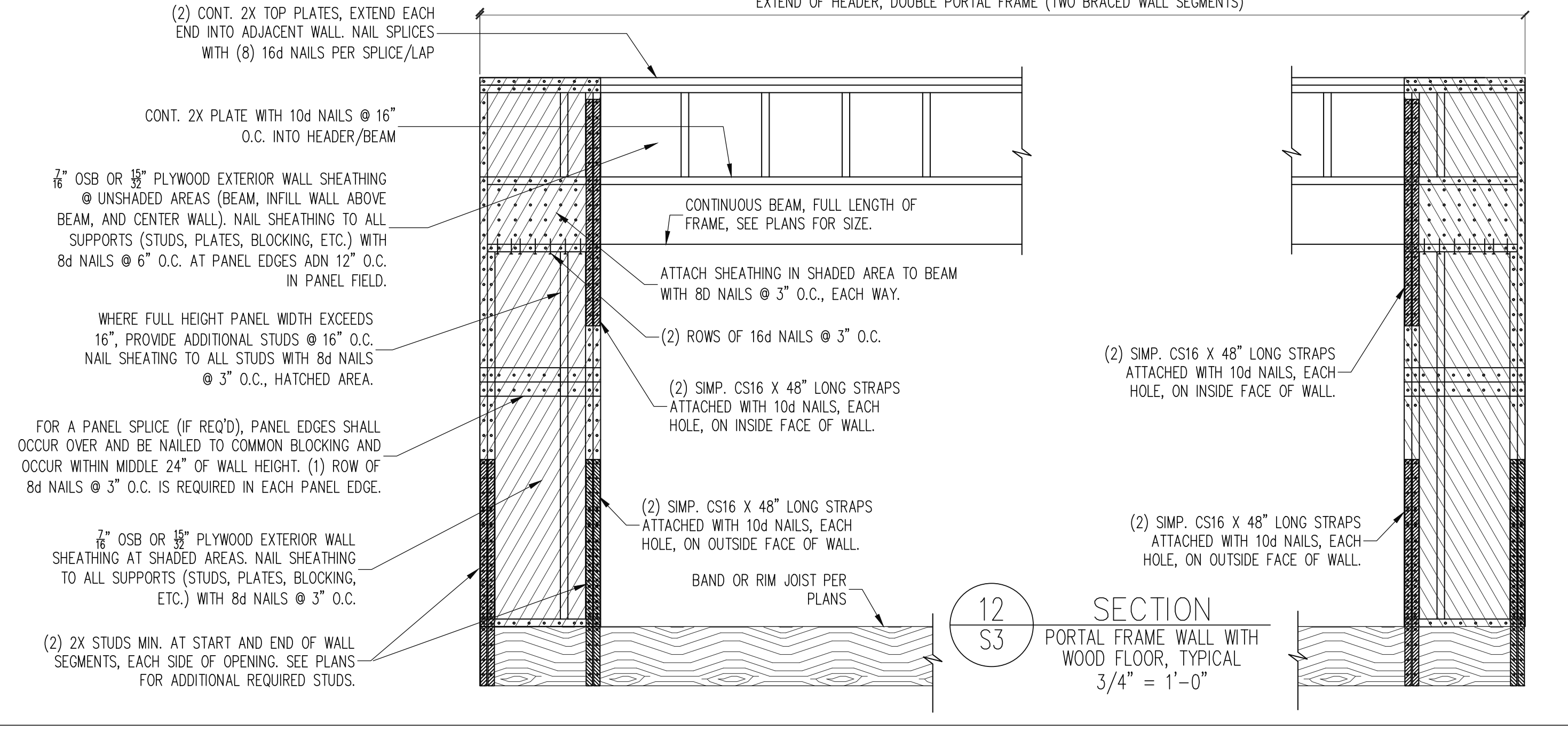
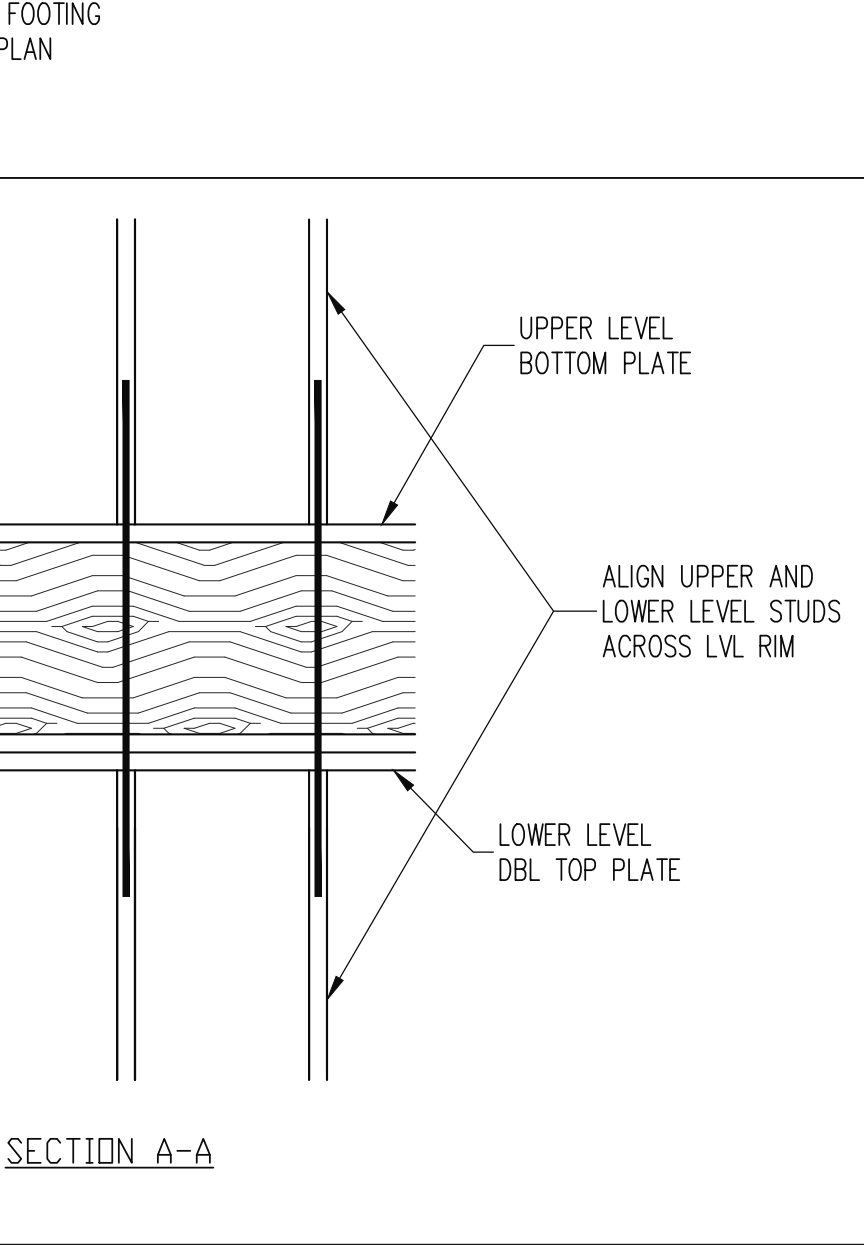
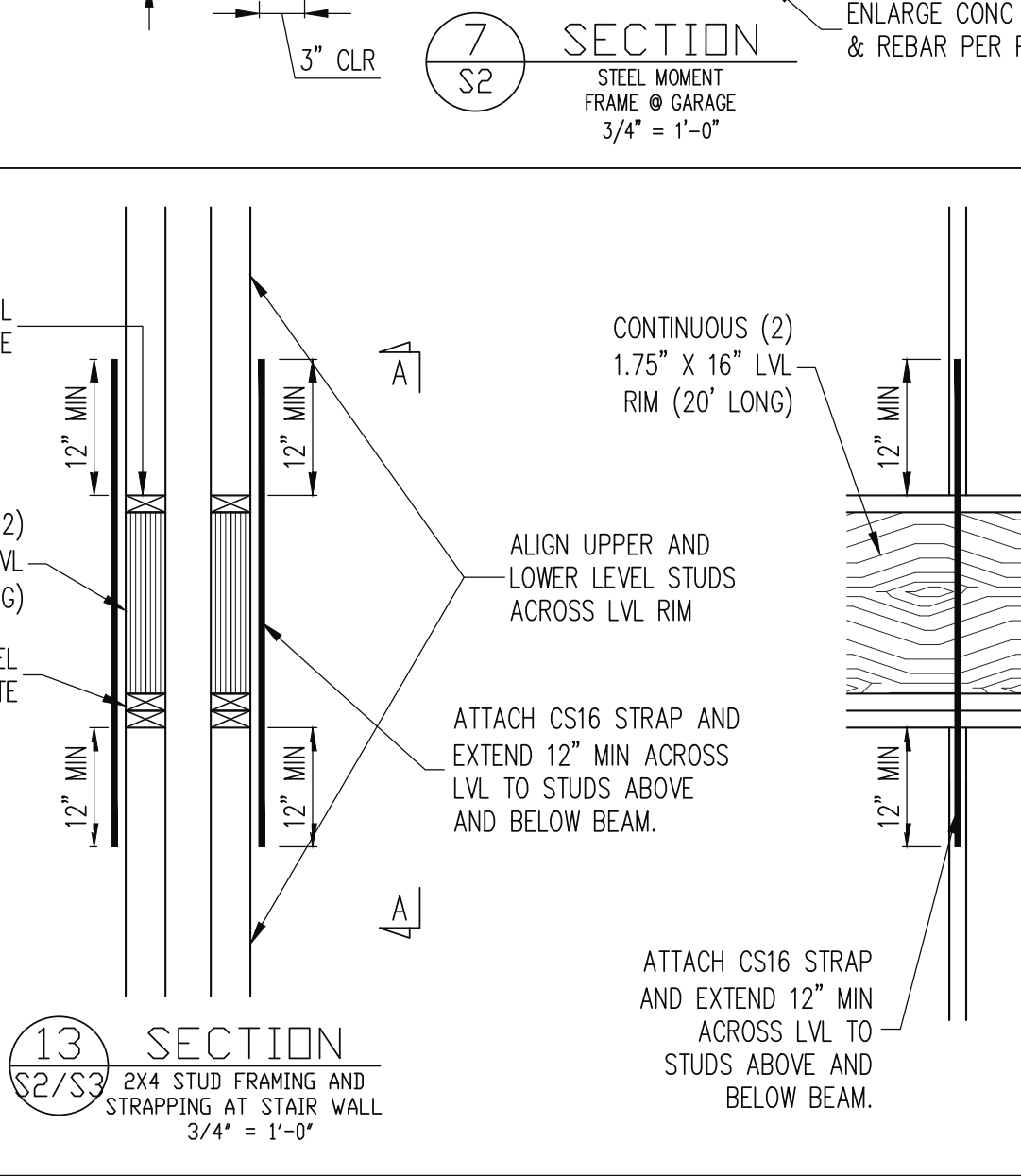
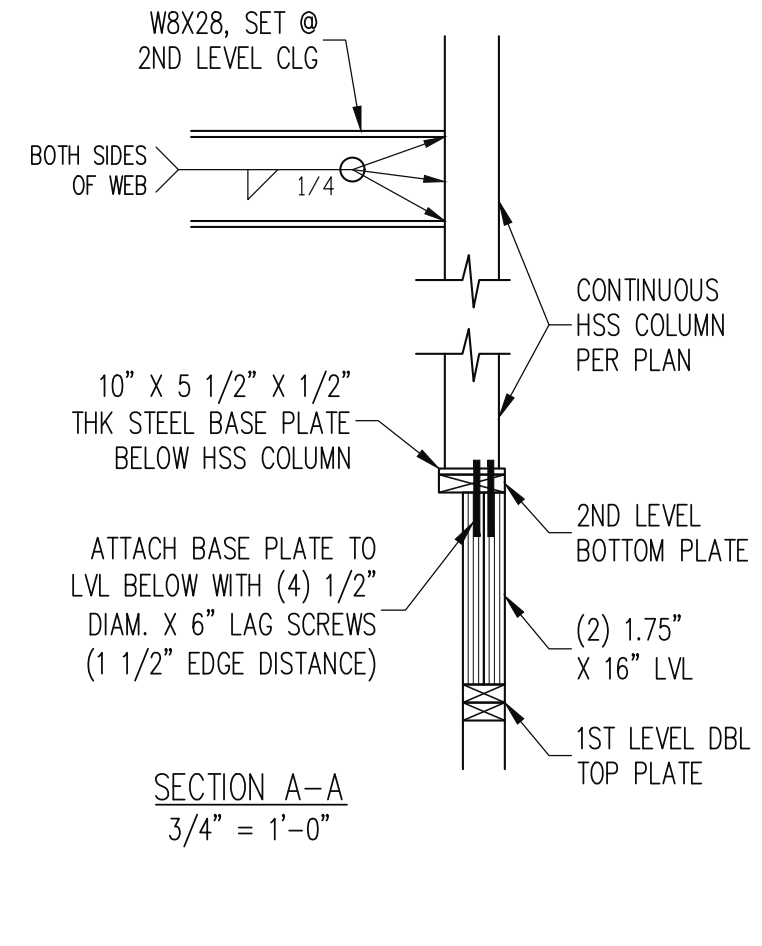
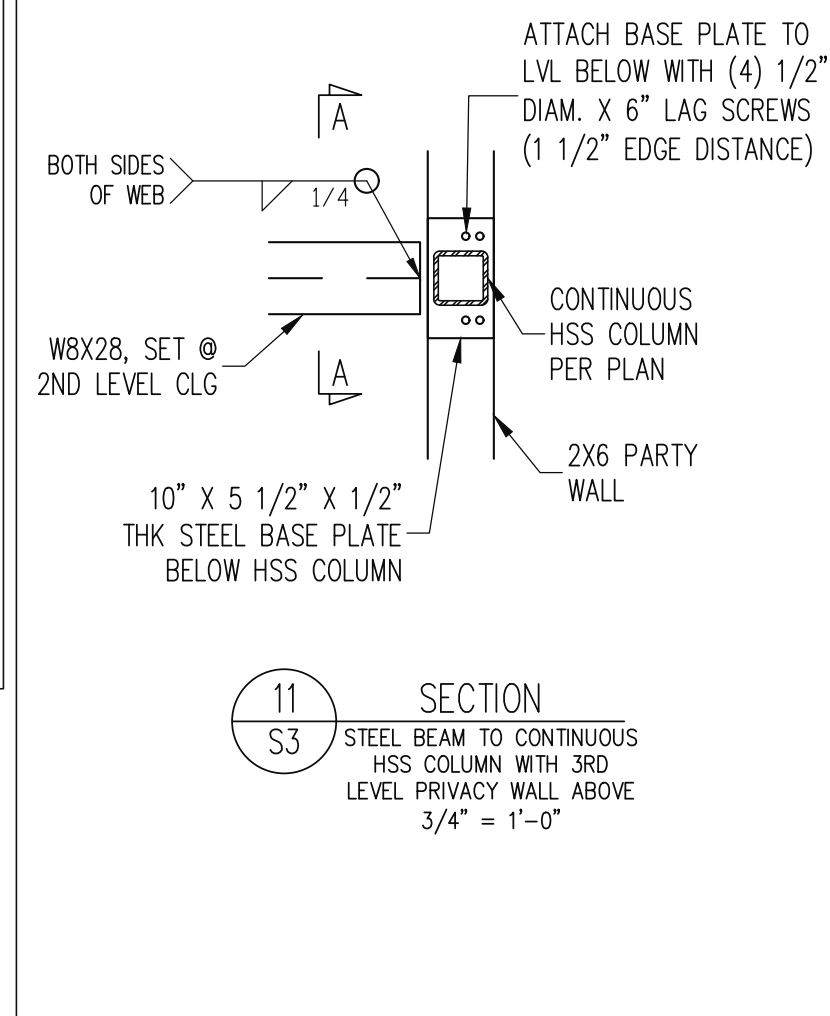
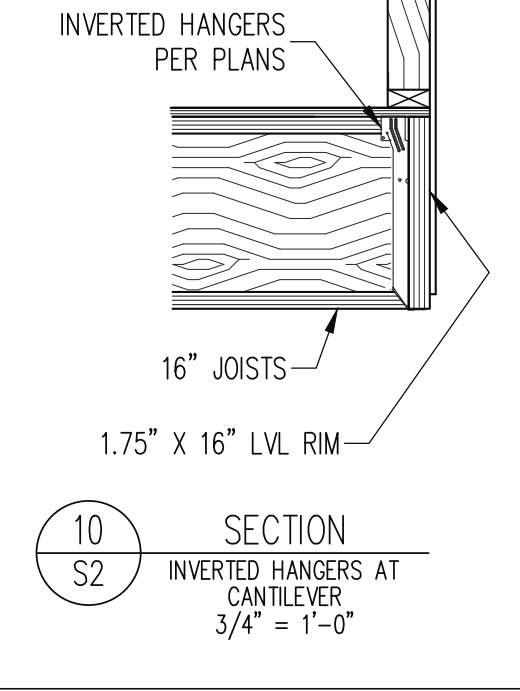
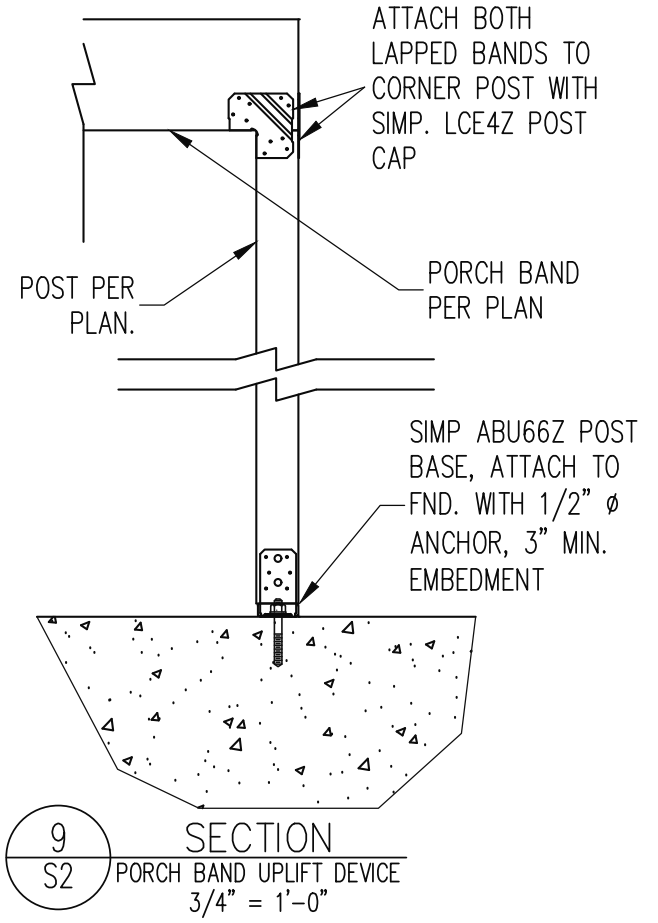
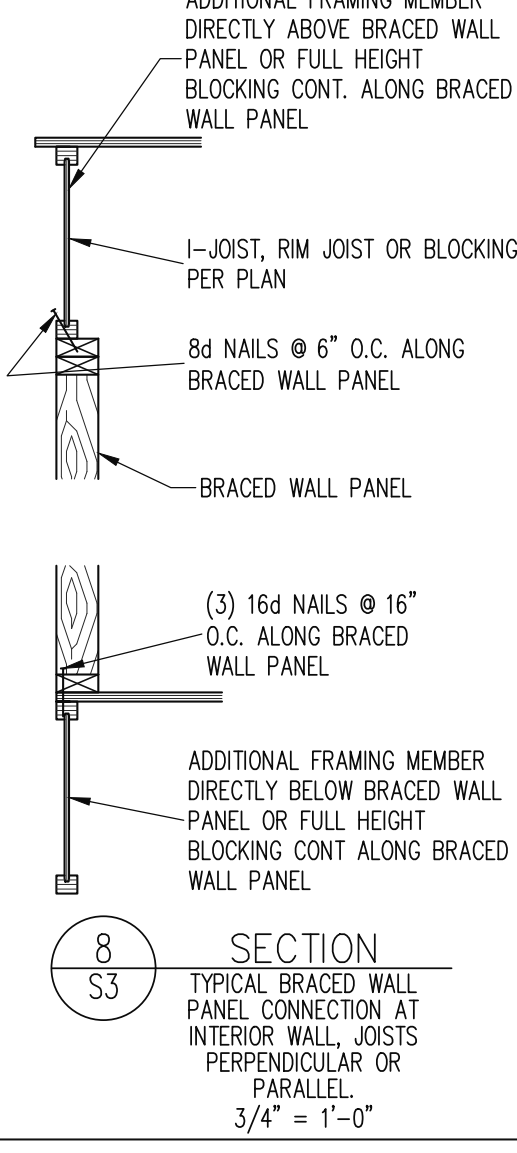
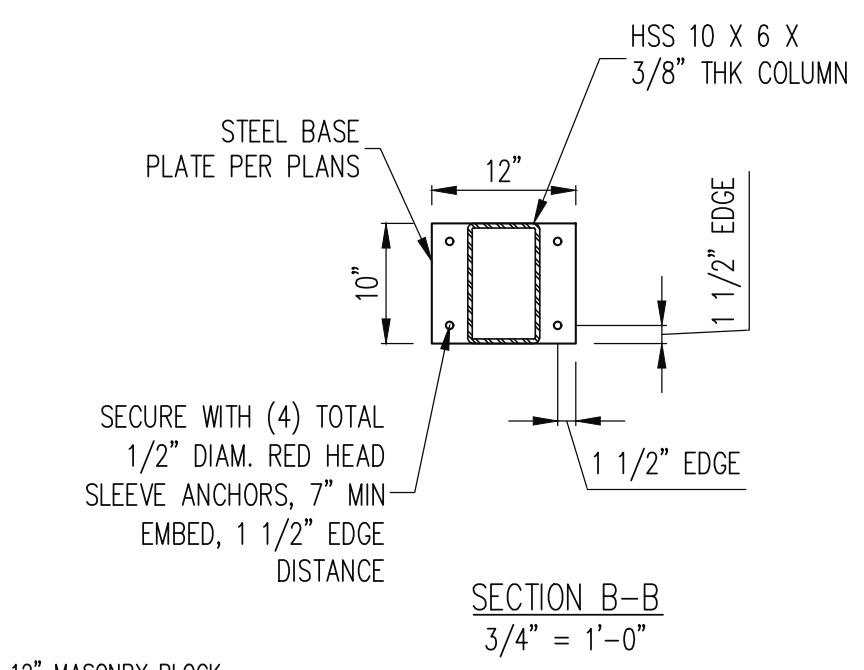
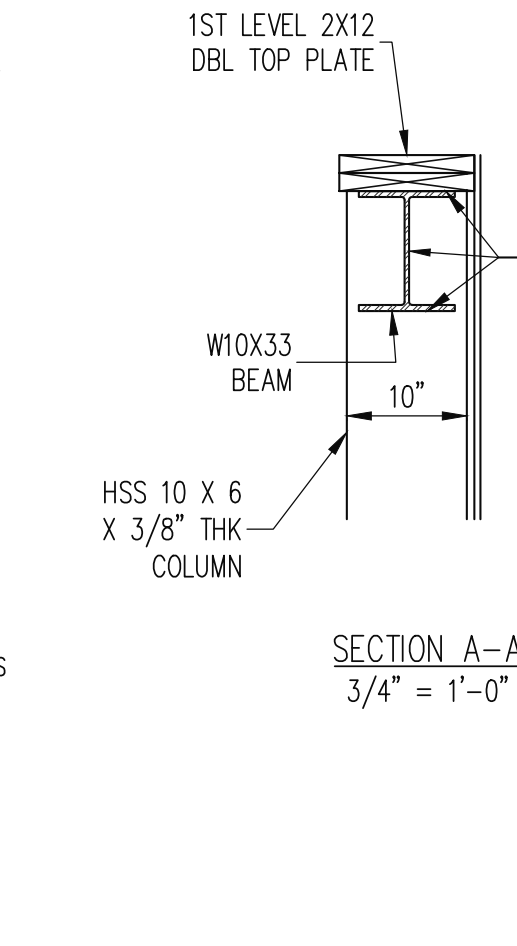
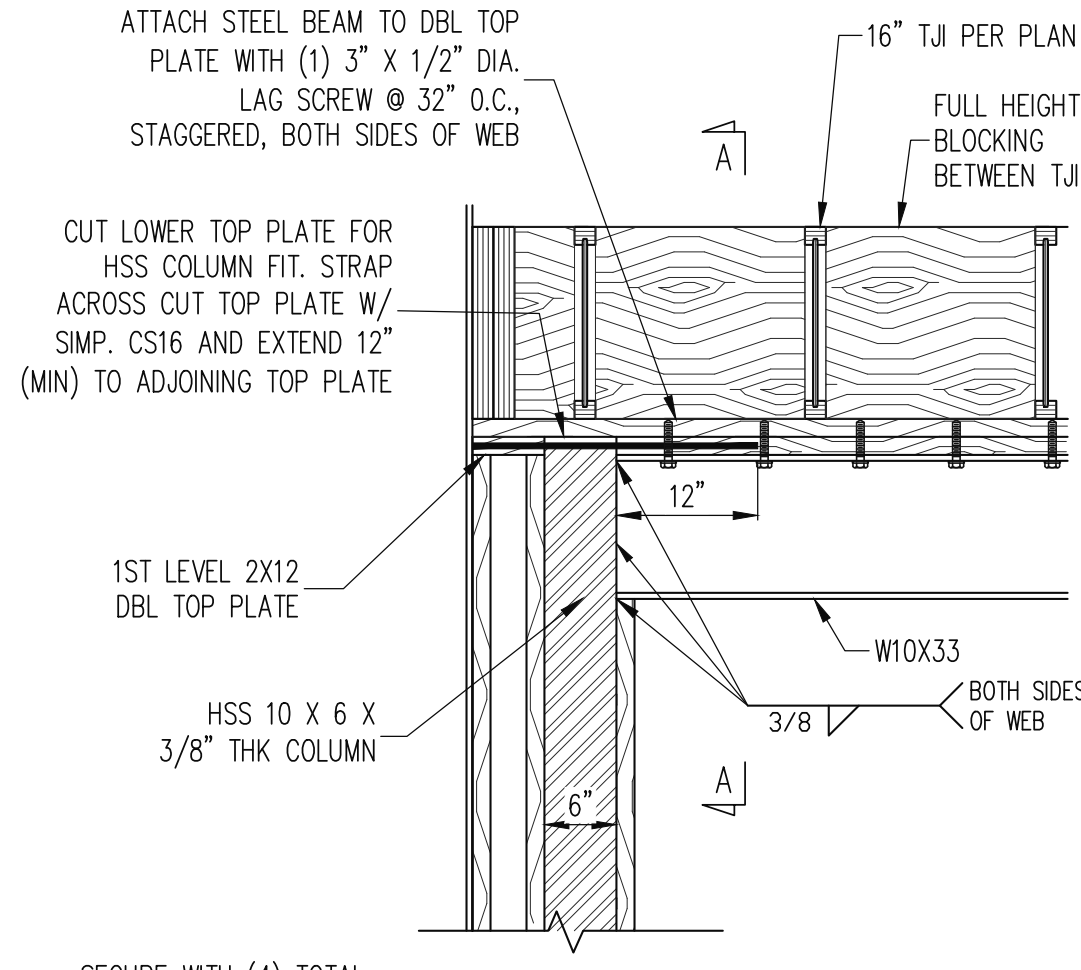
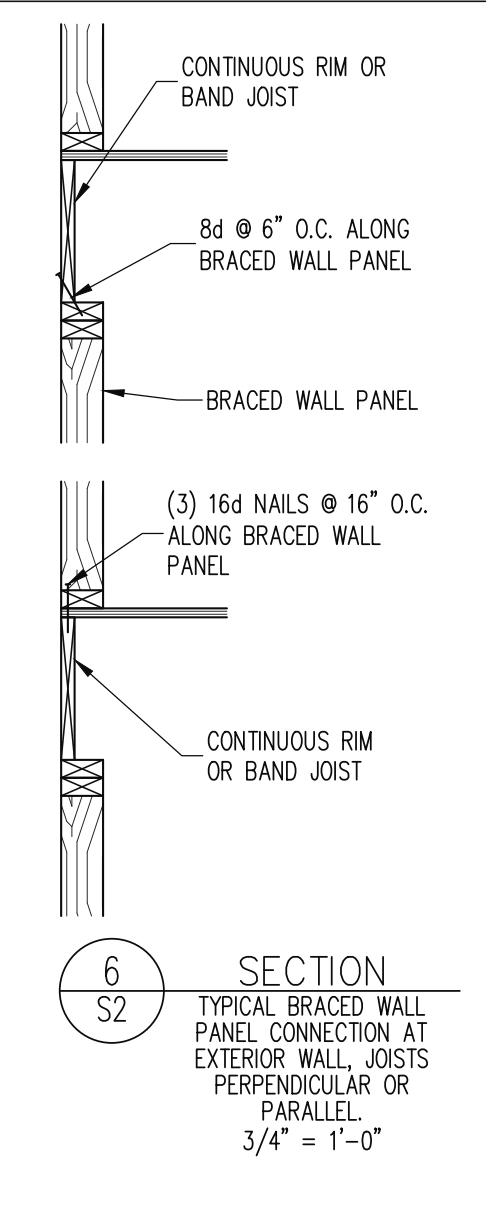
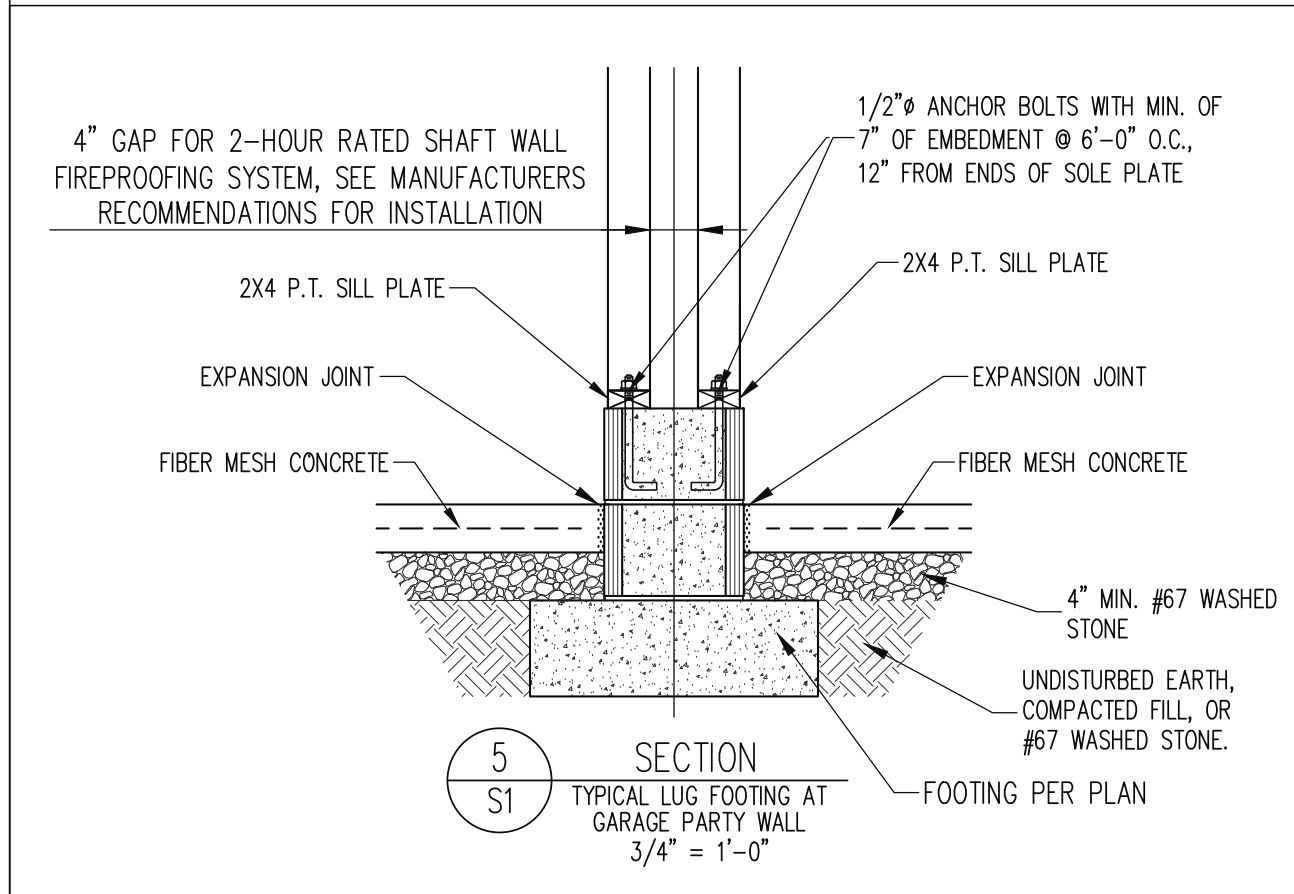
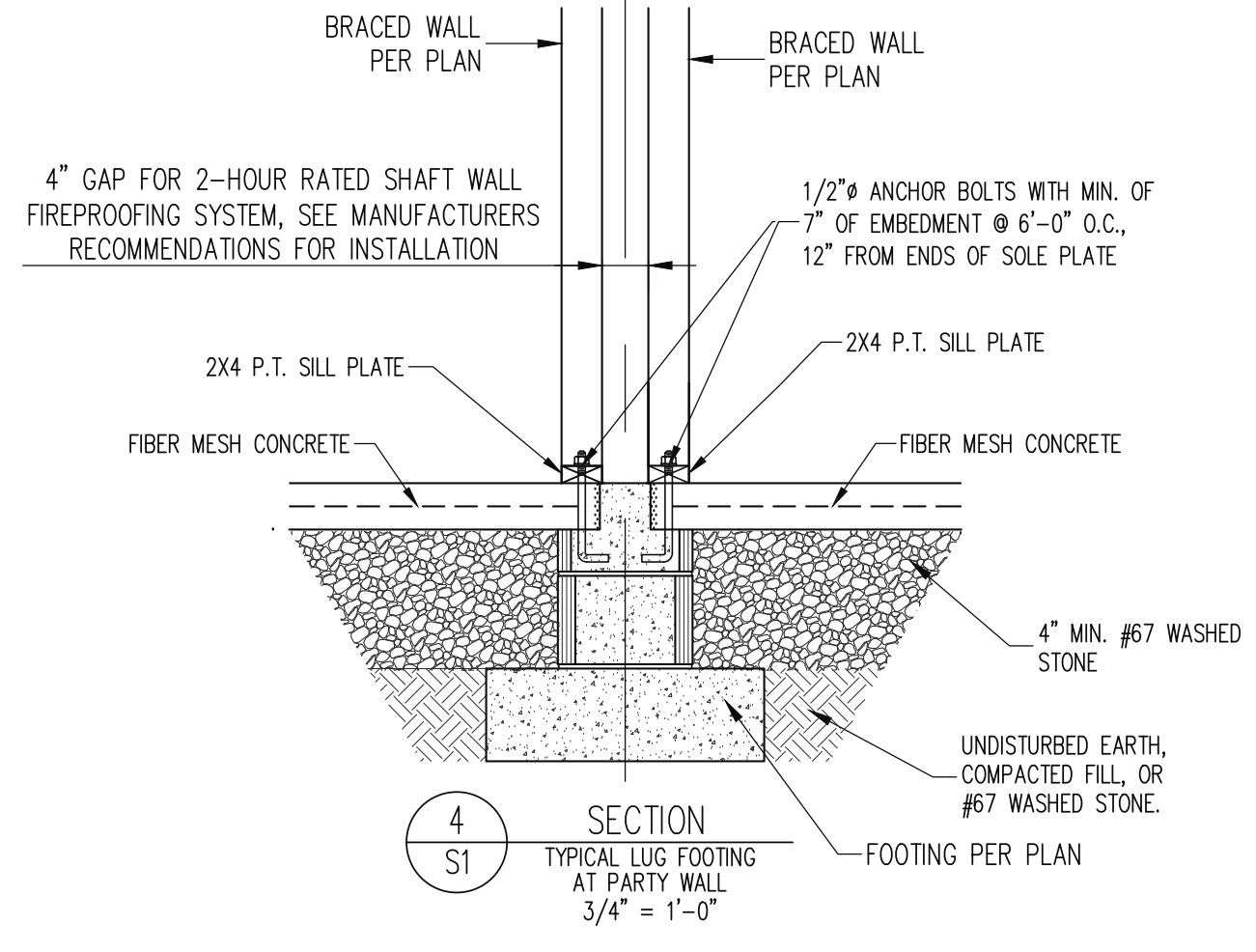
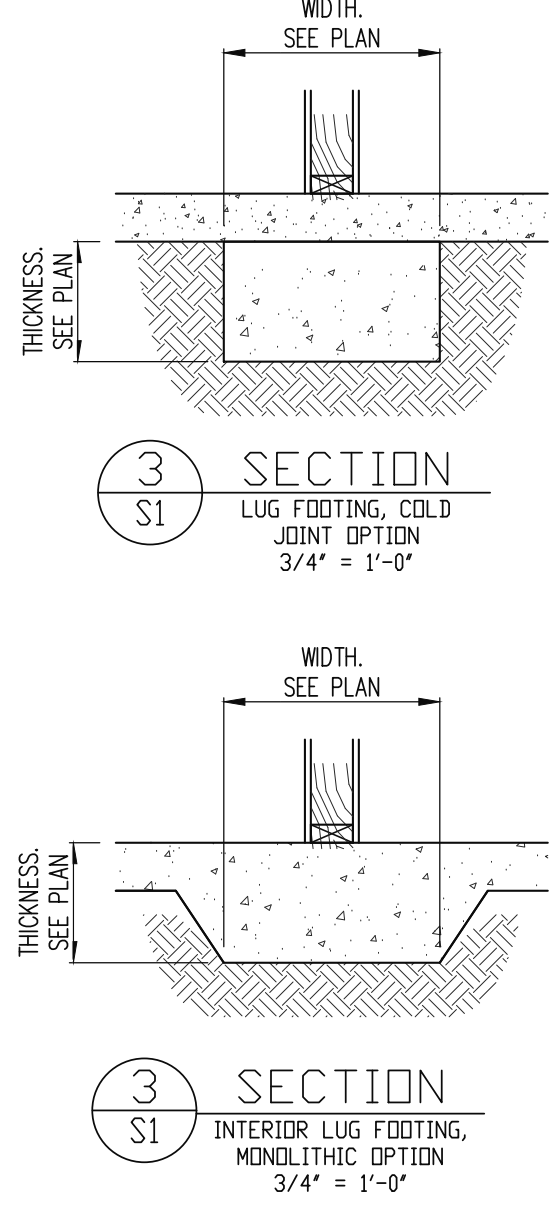
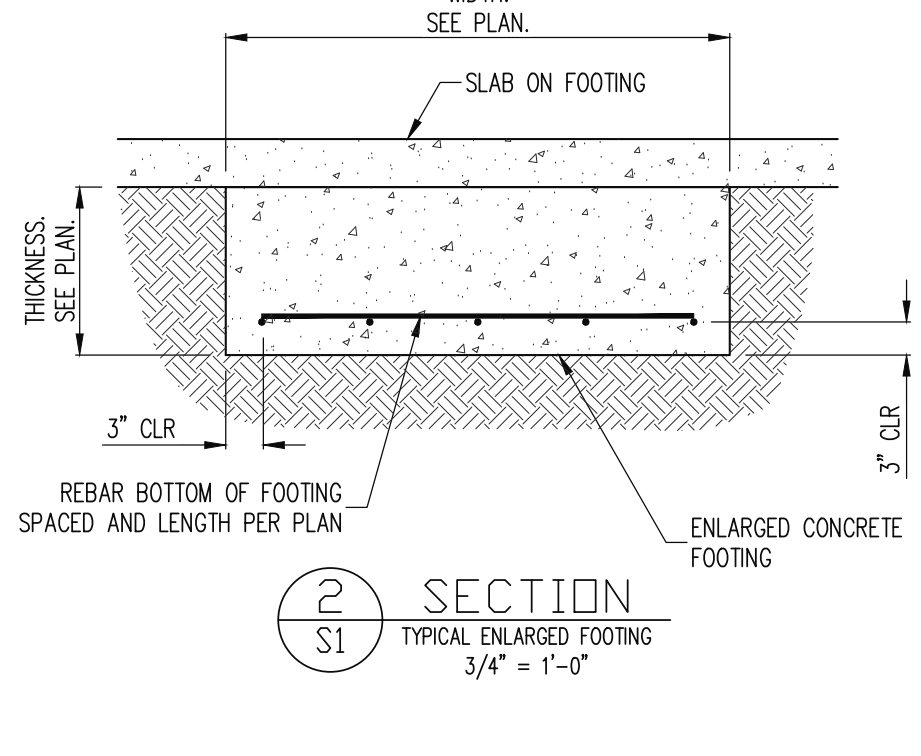
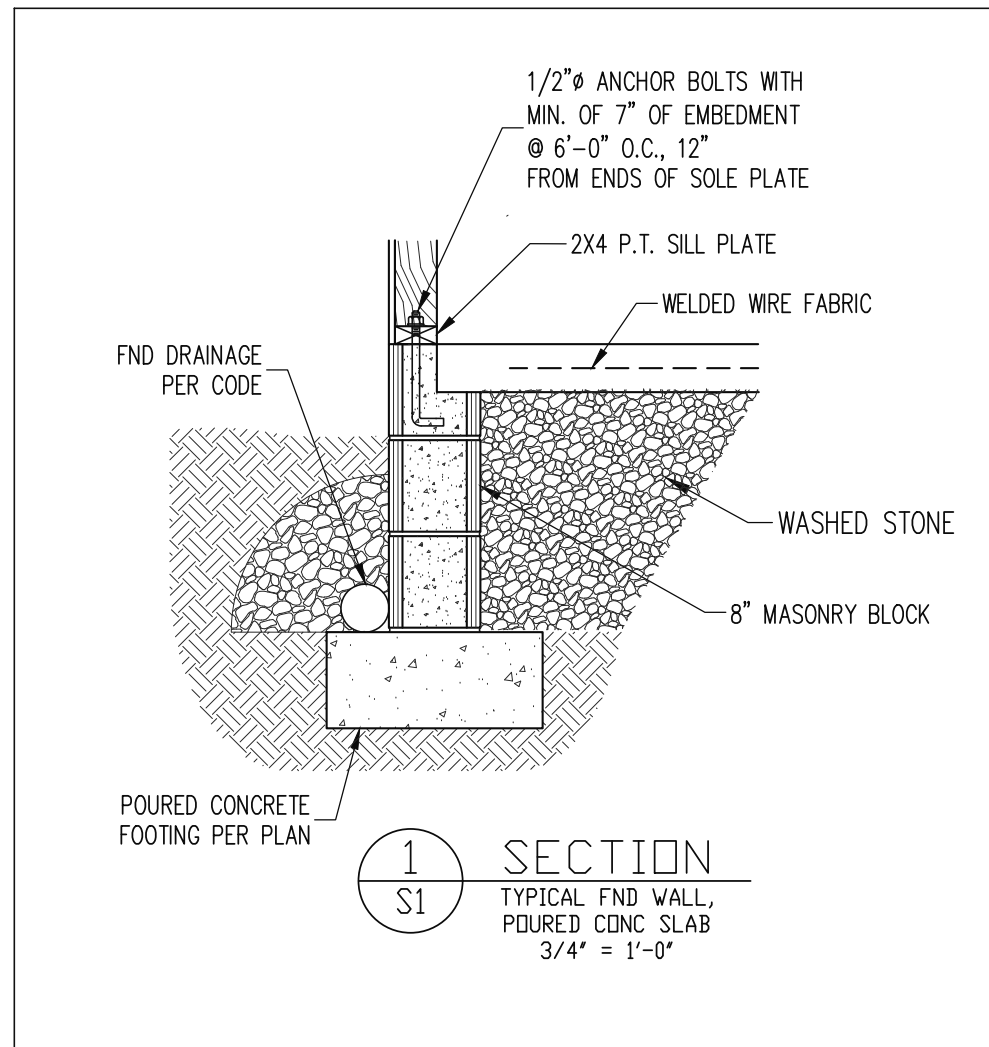
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BOYER DEVELOPMENT			
STRUCTURAL ADDENDUM			
SCOPE	1508 BOYER ST		
LOC:			
	REV #	REF PROJ #	DATE
	1	24-66-200	06-11-2024
	2	24-66-261	06-18-2024

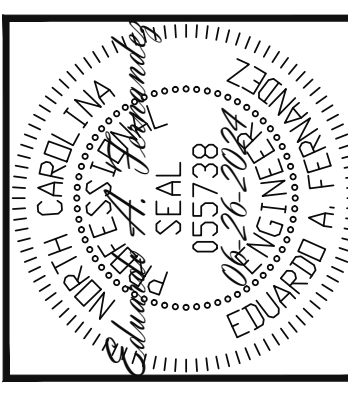
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DATE: 06-26-2024

PROJECT NO.
24-22-034

SHEET NO.
S5
5 of 8



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BOYER DEVELOPMENT		STRUCTURAL ADDENDUM	
SCOPE	1508 BOYER ST	REV #	REF PROJ #
LOC		DATE	
		1	24-66-200
		2	24-66-261
			06-16-2024

ENC: EAF/RJS
DATE: 06-26-2024

PROJECT NO.
24-22-034

SHEET NO.
SD1
6 of 8

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