

MASON LANDING TOWNHOMES

PROJECT:
DRB2201-0262_A
DATE:
10/10/2023
DRAWN/DESIGNED BY:
MMB
CHECKED BY:
DRB
SCALE:
SCALE

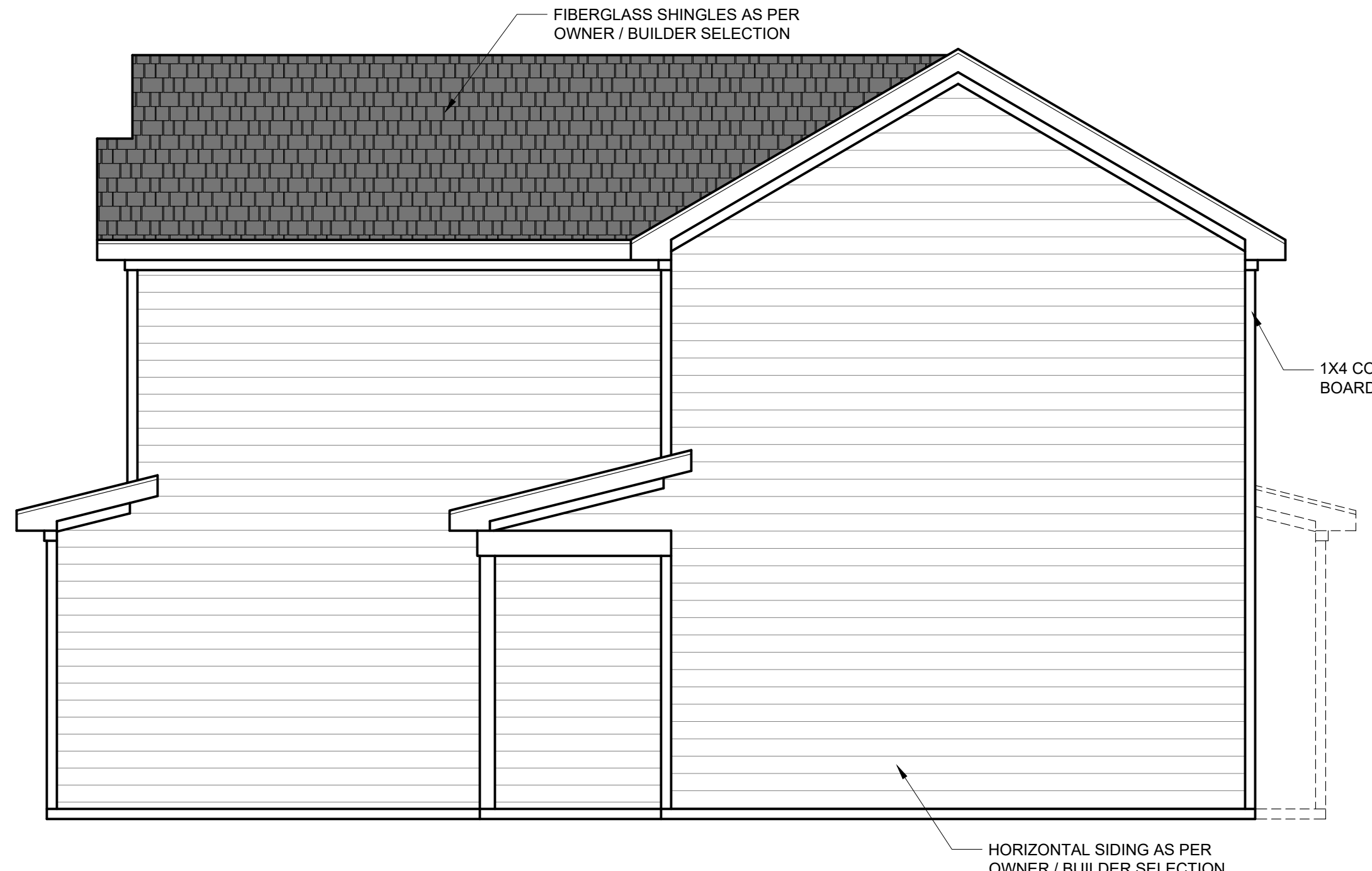
PROJECT NAME:
MASON LANDING
TOWNHOMES
SHEET:
drbhome.com

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MASON LANDING
TOWNHOMES

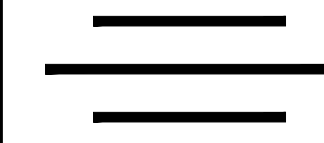
PROJECT NAME:
MASON LANDING
TOWNHOMES
drbdesign@drbhome.com 919.631.5979
250 Shipwash Dr Suite 105 Garner, NC 27529

CLIENT NAME:
One27Design
114 W. Main St.,
Clayton, NC 27520
matthew@one27design.com
(919) 504-6387

SHEET NAME:
ELEVATIONS
SHEET:
1
of 5



- DRB DESIGN assumes no liability for any home constructed from this plan.
- All construction shall conform to the latest requirements of "North Carolina State 2018 residential building code", in addition to all local codes and regulations.
- Should these plans require structural calculations for permitting the contractor shall be required to obtain the services of a structural engineer after notifying DRB DESIGN that such services are required.
- Release of these plans requires further cooperation among the owner, his/her contractor, and DRB DESIGN. Design and construction are complex and, although the designer performed his services with due care and diligence, perfection is not a guarantee.
- Communication is imperfect and every contingency cannot be anticipated.
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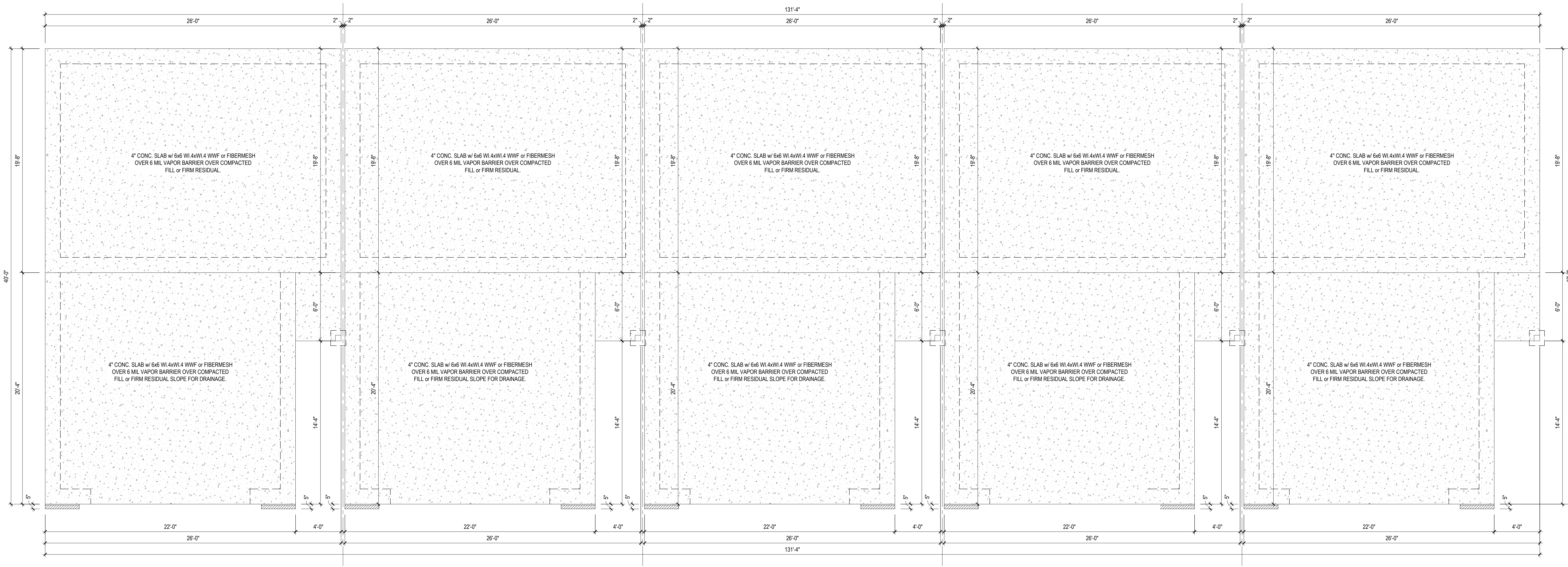
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SHEET NAME
FOUNDATION
SHEET #



FOUNDATION PLAN - ELEV. A
1/4" = 1'-0"

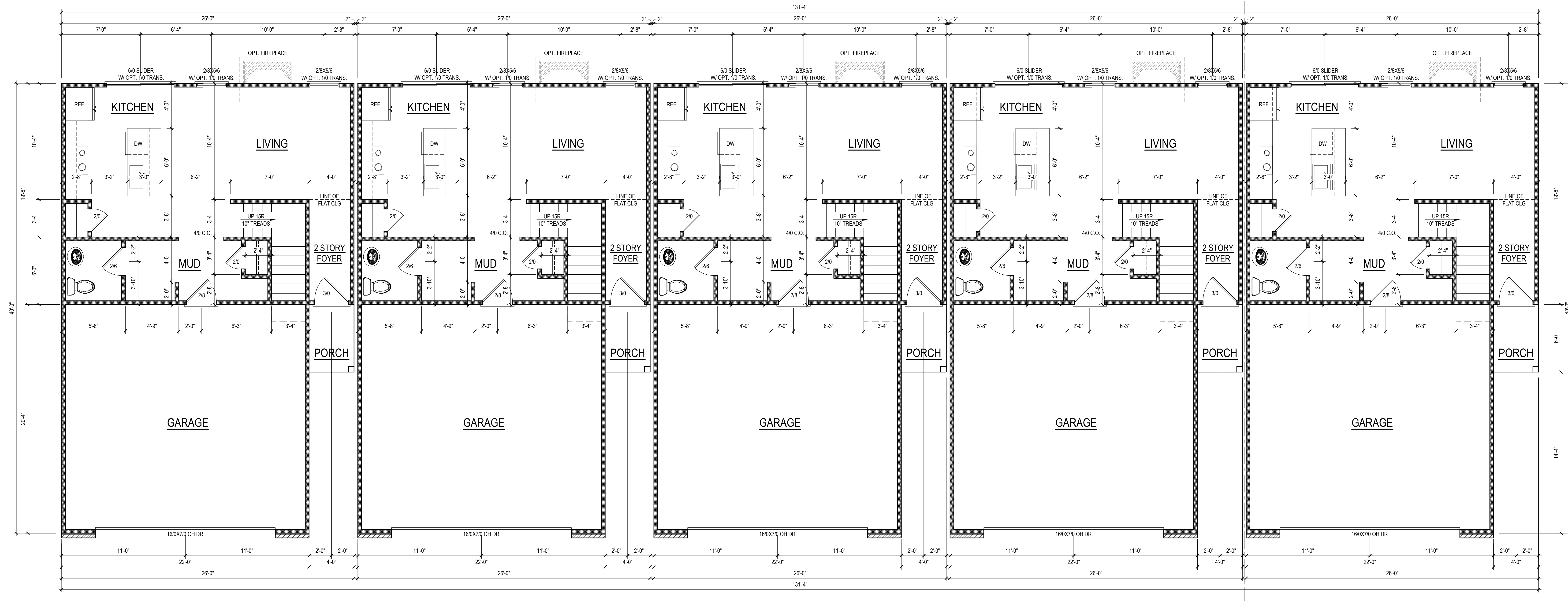
FOUNDATION PLAN - ELEV. B
1/4" = 1'-0"

FOUNDATION PLAN - ELEV. B
1/4" = 1'-0"

FOUNDATION PLAN - ELEV. B
1/4" = 1'-0"

FOUNDATION PLAN - ELEV. A
1/4" = 1'-0"

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- DRB DESIGN must be notified of any variations from the dimensions and conditions shown on these drawings.



FIRST FLOOR PLAN - ELEV. A
1/4" = 1'-0" CLG. HGT. = 9'-0"

FIRST FLOOR PLAN - ELEV. B
1/4" = 1'-0" CLG. HGT. = 9'-0"

FIRST FLOOR PLAN - ELEV. B
1/4" = 1'-0" CLG. HGT. = 9'-0"

FIRST FLOOR PLAN - ELEV. B
1/4" = 1'-0" CLG. HGT. = 9'-0"

FIRST FLOOR PLAN - ELEV. A
1/4" = 1'-0" CLG. HGT. = 9'-0"

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SECOND FLOOR PLAN - ELEV. A
 1/4" = 1'-0" CLG. HGT. = 8'-0"

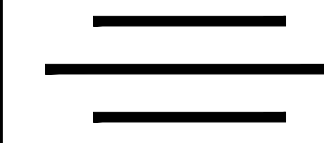
SECOND FLOOR PLAN - ELEV. B
 1/4" = 1'-0" CLG. HGT. = 8'-0"

SECOND FLOOR PLAN - ELEV. B
 1/4" = 1'-0" CLG. HGT. = 8'-0"

SECOND FLOOR PLAN - ELEV. B
 1/4" = 1'-0" CLG. HGT. = 8'-0"

SECOND FLOOR PLAN - ELEV. A
 1/4" = 1'-0" CLG. HGT. = 8'-0"

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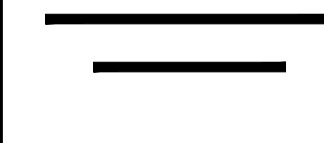
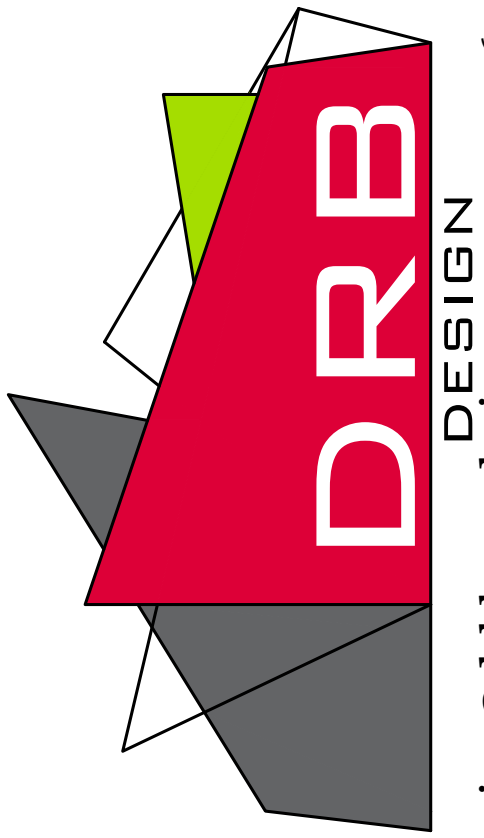
PRODUCT NAME
MASON LANDING
TOWNHOMES



PROJECT NAME
MASON LANDING
TOWNHOMES



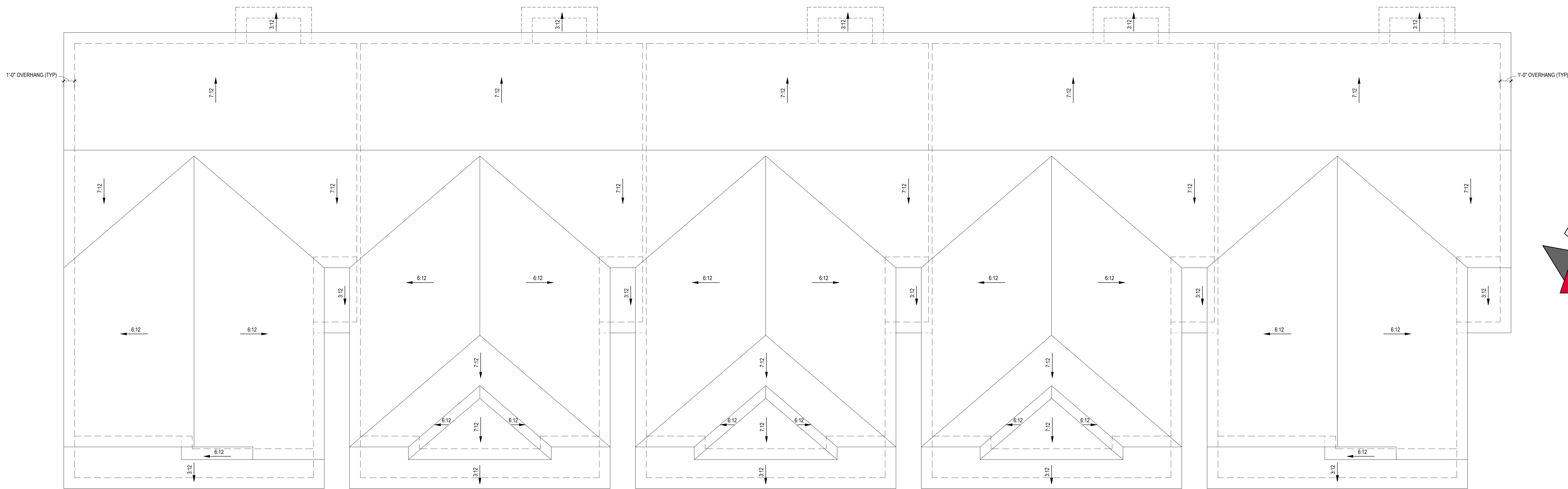
CLIENT NAME
One27Design
114 W. Main St.,
Clayton, NC 27520
matthew@one27design.com
(919) 504-6387



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One27Design
114 W. Main St.,
Clayton, NC 27520
matthew@one27design.com
(919) 504-6387



SHEET NAME
ROOF
SHEET #
5
of 5



ROOF PLAN - ELEV. A
1/4" = 1'-0"

ROOF PLAN - ELEV. B
1/4" = 1'-0"

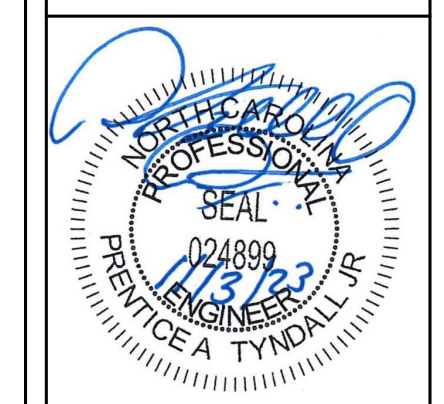
ROOF PLAN - ELEV. B
1/4" = 1'-0"

ROOF PLAN - ELEV. B
1/4" = 1'-0"

ROOF PLAN - ELEV. A
1/4" = 1'-0"

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TYNDALL
ENGINEERING & DESIGN, P.A.
14717 E. 11th St., Suite 100
Charlotte, NC 28215
704.541.1111
www.tyndallengineering.com

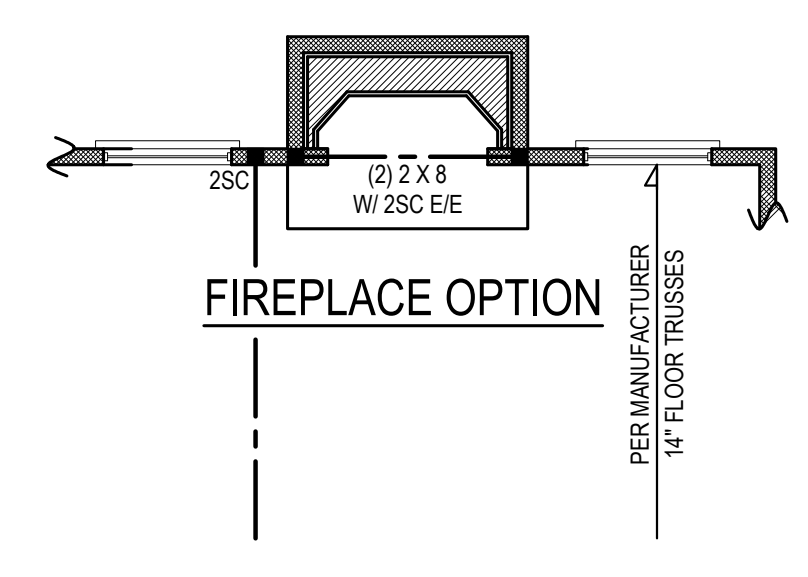
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MASON LANDING TOWNHOMES

**FIRST FLOOR HEADER
SECOND FLOOR FRAMING**

Project #: DRB2201-0262A
Date: 11/03/23
Engineered By: AJM
DWG. Checked By: PTH
Scale: SEE PLAN

REVISIONS		
No.	Date	Remarks

Sheet Number
S2
2 of 7



FIRST FLOOR PLAN - ELEV. A
1/4" = 1'-0" CLG. HGT. = 9'-0"

FIRST FLOOR PLAN - ELEV. B
1/4" = 1'-0" CLG. HGT. = 9'-0"

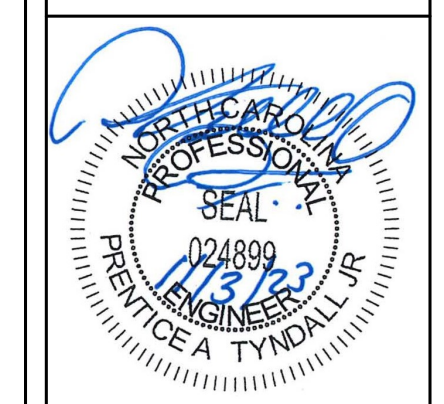
FIRST FLOOR PLAN - ELEV. B
1/4" = 1'-0" CLG. HGT. = 9'-0"

FIRST FLOOR PLAN - ELEV. B
1/4" = 1'-0" CLG. HGT. = 9'-0"

FIRST FLOOR PLAN - ELEV. A
1/4" = 1'-0" CLG. HGT. = 9'-0"

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197 FIVE STAR DRIVE, SUITE 100
280 BURNING TREE DRIVE • GAITHERSBURG, NORTH CAROLINA 27834
www.tyndallengineering.com

Client: ONE27DESIGN
File: MASON LANDING TOWNHOMES

SECOND FLOOR FRAMING
SECOND FLOOR CLG FRAMING

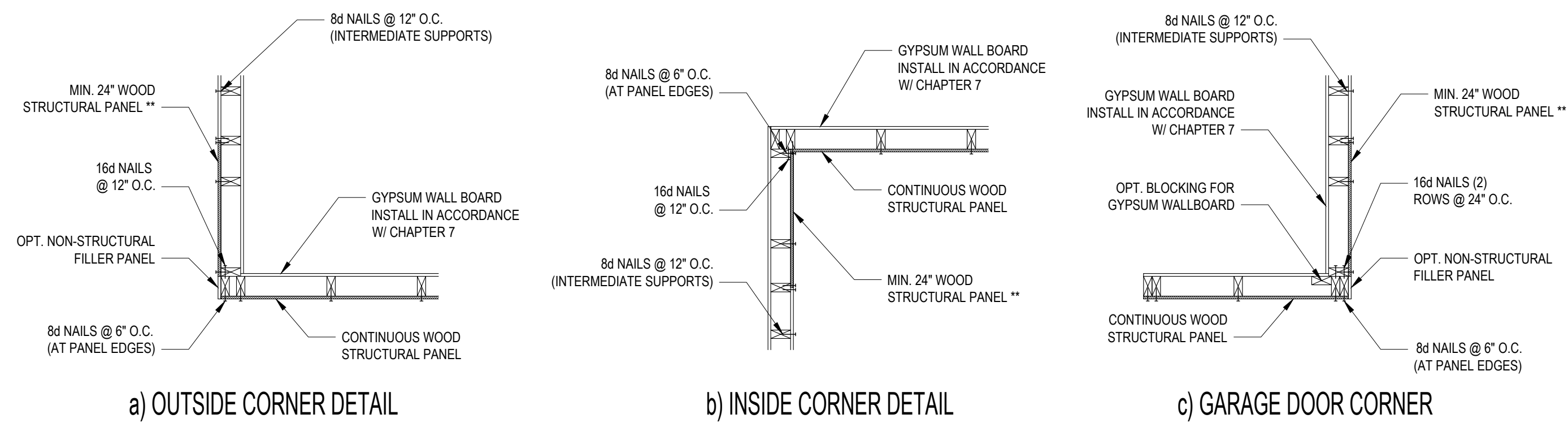
Project #: DRB2201-0262A
Date: 11/03/23
Engineered By: AJM
DWG. Checked By: PTH
Scale: SEE PLAN

REVISIONS		
No.	Date	Remarks

Sheet Number
S3
3 of 7



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** IN LIEU OF THE 2" (MIN.) CORNER RETURN, A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE CORNER STUD AND TO THE FOUNDATION OR FRAMING BELOW.

B1: TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING
NO SCALE

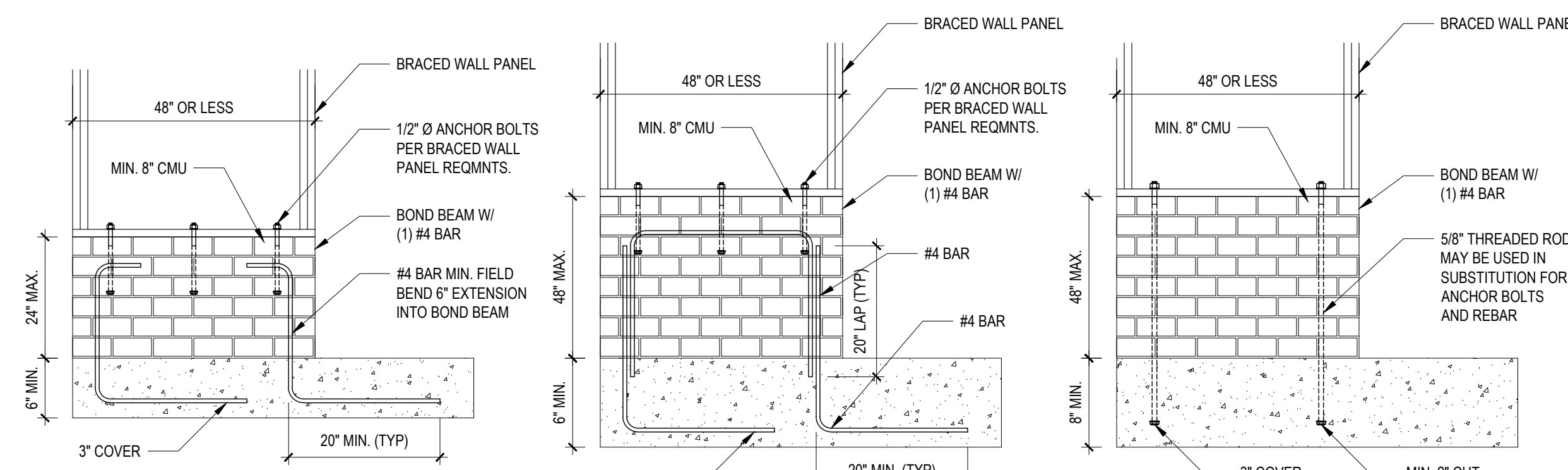
STRUCTURAL SHEATHING NOTES

- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 100 MPH OR LESS.
- WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10.3 OF THE 2018 NRC.
- BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3. REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
- REFERENCE FIGURE R602.10.4.3 OF THE 2018 NRC.
- INTERIOR BRACED WALL PANELS (BWP) INDICATED SHALL BE SHEATHED IN ACCORDANCE WITH THE GB METHOD OR WSP METHOD AS PRESCRIBED IN SECTION R602.10.1 (UNO).
- 1/2" GYPSUM BOARD (GB) MINIMUM LENGTH OF 8'-0" (SHEATHING) OR 4'-0" (CONTINUOUS SHEATHING).
- 3/8" WOOD STRUCTURAL PANEL (WSP) SECURE W/ 6d COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.
- EXTERIOR BRACED WALL PANELS (BWP) SHALL BE CONSTRUCTED IN ACCORDANCE WITH CS-WSP METHOD AS PRESCRIBED IN SECTION R602.10.3 (UNO).
- ALL SHEATHABLE SURFACES OF EXTERIOR WALLS INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS SHALL BE CONTINUOUSLY SHEATHED WITH WOOD STRUCTURAL PANEL (WSP) SHEATHING WITH A MINIMUM THICKNESS OF 3/8" SHEATHING SHALL BE SECURED WITH MINIMUM 6d COMMON NAILS SPACED AT 6" O.C. AT PANEL EDGES AND SPACED AT 12" O.C. AT INTERMEDIATE SUPPORTS.
- MINIMUM BRACED WALL PANEL LENGTHS WITH CS-WSP METHOD SHALL BE AS FOLLOWS:
 - 2'-0" ADJACENT TO OPENINGS NOT MORE THAN 67% OF WALL HEIGHT
 - 3'-0" ADJACENT TO OPENINGS GREATER THAN 67% AND LESS THAN 85% OF WALL HEIGHT
 - 4'-0" FOR OPENINGS GREATER THAN 85% OF WALL HEIGHT
- SHEATH INTERIOR AND EXTERIOR.
- FOR CS-WSP METHOD, A MINIMUM 2x4 BRACED WALL PANEL CORNER RETURN SHALL BE PROVIDED AT BOTH ENDS OF A BRACED WALL LINE IN ACCORDANCE WITH FIGURE R602.10.3 (A) IN LIEU OF A CORNER RETURN, EITHER A MINIMUM 4x4 BRACED WALL PANEL SHALL BE PROVIDED AT THE CORNER OR A HOLD-DOWN DEVICE WITH A MINIMUM UPLIFT DESIGN VALUE OF 800# SHALL BE FASTENED TO THE EDGE OF THE BRACED WALL PANEL CLOSEST TO THE CORNER AND TO THE FOUNDATION OR FRAMING BELOW.
- MINIMUM 800# HOLD-DOWN DEVICE.

REQUIRED BRACED WALL PANEL CONNECTIONS				
METHOD	MATERIAL	MIN. THICKNESS	REQUIRED CONNECTION	
			@ PANEL EDGES	@ INTERMEDIATE SUPPORTS
CS-WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.
GB	GYPSUM BOARD	1/2"	5d COOLER NAIL** @ 7" O.C.	5d COOLER NAIL** @ 7" O.C.
WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.

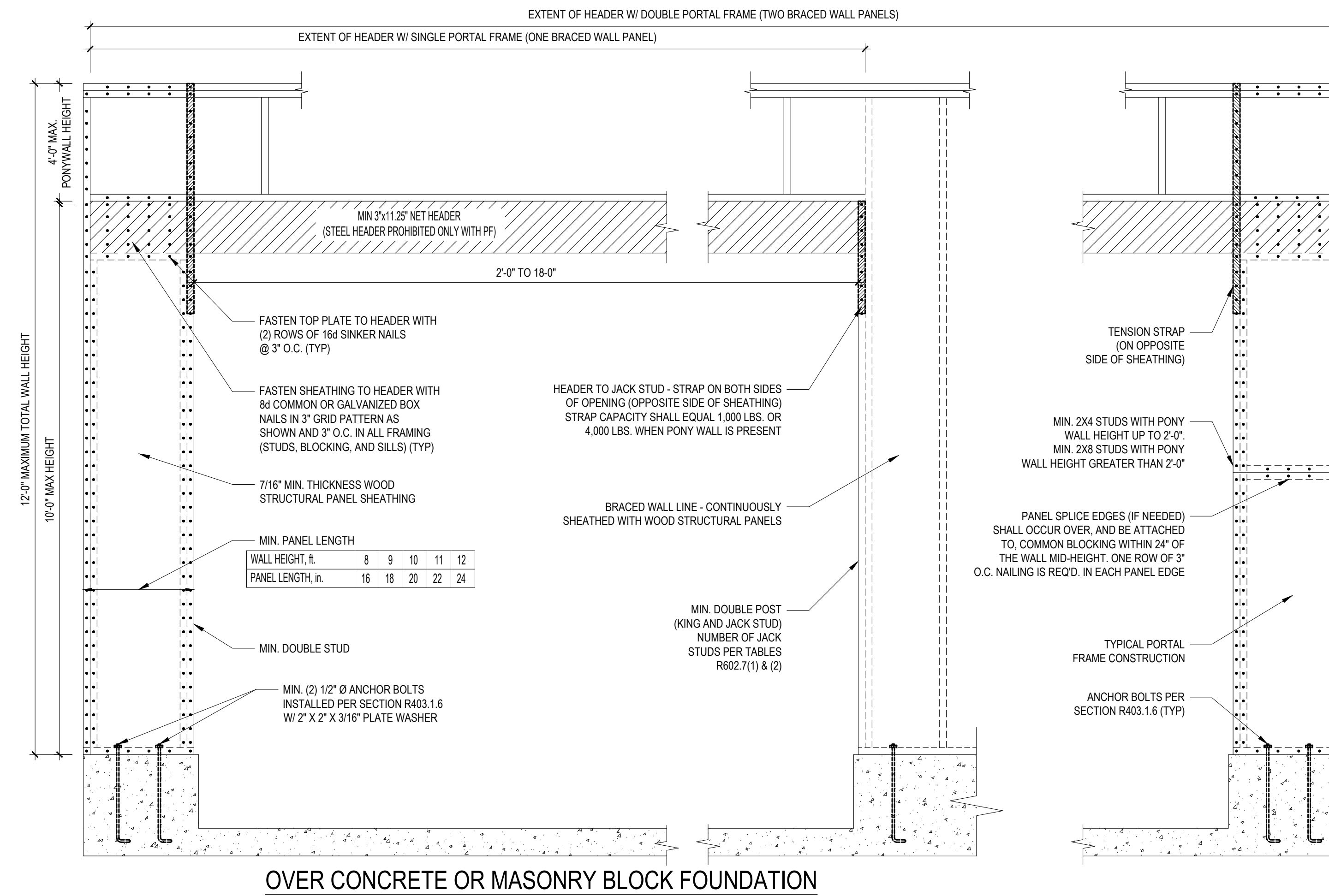
**OR EQUIVALENT PER TABLE R702.3.5

B3: BRACE WALL PANEL CONNECTIONS
NO SCALE



B4: MASONRY STEM WALL SUPPORTING BRACED WALL PANELS

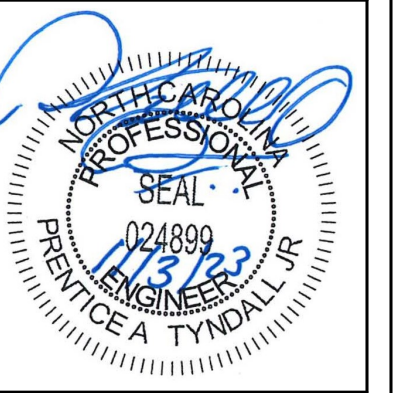
FIGURE R602.10.4.3 OF THE 2018 NRC
NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN REBAR, THREADED RODS AND ANCHOR BOLTS



B2: METHOD PF: PORTAL FRAME CONSTRUCTION

FIGURE R602.10.1

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197 FIVE OAKS • FIVE FIVE ROAD
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MASON LANDING TOWNHOMES

SHEATHING DETAILS

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Scale:	SEE PLAN

REVISIONS		
No.	Date	Remarks

Sheet Number

D3