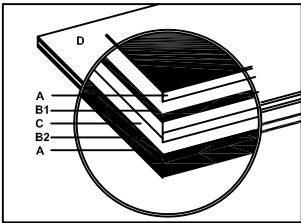


GENERAL NOTES:

These Reynobond® composite panels shall be used for wall, soffit, canopy, fascia construction, or as a wall cladding system. Each actual wall project shall be constructed using the details shown on these drawings as minimum required specifications. Panels can run horizontally or vertically. Steel metal frames must be 90 degrees relative to the stiffener / retainer. Over CMU or concrete no restrictions apply.

- A - METAL SKIN  
B - TIE LAYER BETWEEN SKIN AND CORE  
C - FR CORE POLYMERIC COMPOUND  
D - FINISH - paint finish or natural metal surface



BILL OF MATERIALS

1. PANEL MATERIAL: **Reynobond®** metal composite material, FR 4 mm, as manufactured by ARCONIC Architectural Products.  
a) FR ALUMINUM PANEL SKIN THICKNESS 0.020" inches (3105-H25)
2. ALUMINUM EXTRUSIONS. By others with profiles as indicated herein.  
Aluminum alloy 6063 - T6 temper, mill finish  
a) FRAME (CONTINUOUS)  
b) CLIP (CONTINUOUS)  
c) STIFFENER (CONTINUOUS)  
d) RETAINER  
e) CORNER ANGLE
3. METAL STUDS 16ga galvanized or painted steel (per applicable codes to prevent corrosion) with minimum properties of 50 Ksi yield, 65 Ksi ultimate. Minimum 1 5/8" flange, 6" web. Calculations must be provided by a registered engineer
4. STUD TO TRACK FASTENERS and ANGLE TO BRIDGING FASTENERS and ANGLE TO STUD FASTENERS  
#8-18 x ¾" Phillips Head Galvanized Steel Pan Tek Screw or similar.
5. PANEL TO FRAME FASTENERS.  
#10 x 1" wafer head, self drilling, self tapping, galvanized steel screws, at 16" O.C., at all Panel Perimeter Returns.
6. HORIZONTAL AND VERTICAL JOINT SILICONE (as needed).  
a) Dow Corning #995 - 170 PSI - One part.  
b) Dow Corning #983 - 170 PSI - Two parts.  
c) Dow Corning #795 - 100 PSI - One part. Horizontal, Vertical and perimeter joint - Weather seal.  
d) Dow Corning #795 - 100 PSI - One part. Cap Bead - Weather seal.  
e) Dow Corning #795 - 100 PSI - One part. Panel to frame, frame and corner weather seal.  
(Only for dry seal system. For wet seal system do not apply)  
Dow Corning #795 can be replaced by Dow Corning "CWS"  
f) Where water intrusion is not a requirement, the system can be used as rain screen, see Detail 14, Sht 21  
No "weather sealant" silicone required - B.O.M. # 15, # 06d, # 06e, # 06c, # 07a  
Recommended use of stainless steel screws B.O.M. # 05, # 08
7. BACKER ROD. (as needed)  
a) 5/8" diameter, open cell. b) 1 ½" diameter, open cell. c) 2" diameter, open cell.

8. CLIP AND RETAINER TO SUBSTRATE FASTENER (as needed)  
a) 1 # 14 - HEX WASHER HEAD - 1 1/2" - DRILL POINT  
b) 1 # 14 - HEX WASHER HEAD - 1" - SHARP POINT  
c) 1 # 14 - HEX WASHER HEAD - 2 1/2" - DRILL POINT  
d) 2 # 14 - HEX WASHER HEAD - 2 1/2" - DRILL POINT  
e) 2 # 12 - HEX WASHER HEAD - 1 1/2" - DRILL POINT  
f) 2 # 12 - HEX WASHER HEAD - 2 1/2" - DRILL POINT  
g) 2 # 12 - HEX WASHER HEAD - 1" - SHARP POINT  
h) 1 1/4" - DEWALT ULTRACON+ - 2 1/2"  
i) NOT USED  
j) 2 # 14 - HEX WASHER HEAD - 1 1/2" - DRILL POINT  
k) 2 # 12 - HEX WASHER HEAD - 2 1/2" - DRILL POINT  
(Note: Increase anchor length as needed for full penetration)

CHART AND SCHEDULE (Aluminum clip to stud)

| Reynobond® Product     | Substrate Backer            | Stud Spacing | Max Screw Spacing "other than perimeter" | Design Presure PSF | Impact Rating                | Building Applicability |
|------------------------|-----------------------------|--------------|------------------------------------------|--------------------|------------------------------|------------------------|
| Reynobond® FR Aluminum | 7.2" RIB 20 ga. steel panel | 36" O.C.     | (1) 24" O.C. vert.                       | 100                | Small & Large Missile Impact | Above & Below 30 feet  |
|                        |                             |              | 14.4" O.C. Horz.                         | 120                |                              |                        |
|                        |                             |              | 16" O.C. Vert.                           | 130                |                              |                        |
|                        | PLYWOOD MIN. 5/8"           | 24" O.C.     | (1) 24" O.C.                             | 100                |                              |                        |
|                        |                             | 16" O.C.     | (1) 16" O.C.                             | 120                |                              |                        |
|                        |                             |              | (2) 16" O.C.                             | 130                |                              |                        |
|                        | CMU Concrete                | N/A          | (1) 24" O.C.                             | 100                |                              |                        |
|                        |                             | N/A          | (1) 16" O.C.                             | 130                |                              |                        |

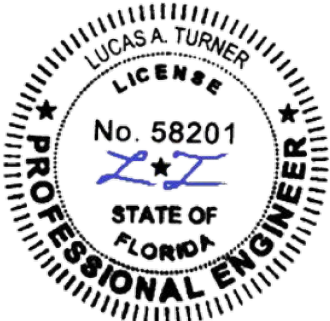
Note a) Perimeter (1) #14 screw spacing 16" O.C. up to 130 psf  
b) Perimeter (1) #14 screw spacing 24" O.C. up to 100 psf

Joint Sizes (other than perimeter) 1/2" to 3/4" (1) #14 screw  
1-1/2" (2) #12 screws

Joint Sizes (perimeter) up to 2.5" (1) #14 screw

9. TRACK TO WOOD FRAME FASTENER. 5/16" x 2.5" galvanized steel LAG screw with washer. At 12" O.C. MAX.
10. 2 x 12" YELLOW PINE WOOD.
11. METAL TRACK 16ga galvanized steel or painted (per applicable codes to prevent corrosion) with minimum properties of 50 Ksi yield, 65 Ksi ultimate.
12. BRIDGING CHANNEL. 16ga galvanized or painted (per applicable codes to prevent corrosion) steel with minimum properties of 50 Ksi yield, 65 Ksi ultimate. Standard 1/2" flange, 1 1/2" web.  
WALLS UP TO 10' HEIGHT 1 ROW @ MID-HEIGHT.  
WALLS EXCEEDING 10' HEIGHT BRIDGING ROW SPACED NOT TO EXCEED 5' 0" O.C.
13. UTILITY ANGLE. 16ga galvanized or painted (per applicable codes to prevent corrosion) steel with minimum properties of 50 Ksi yield, 65 Ksi ultimate. Standard 6" wide, 2" leg dimensions. (Bridge Clip or equal).
14. SHIMS Standard glazing shims as needed. (Max. Perimeter 3/4"; Other than perimeter 1/2")
15. Uni-Grip ¼" neoprene hollow gasket.
16. 7.2" RIB 20 GAUGE STEEL GALVANIZED OR PAINTED PROFILE PANEL OR METAL DECK MIN 1.5" RIB DEPTH. (Framing must be calculated by a Professional Engineer)
17. STEEL BUCK.
18. Rebar Reinforced Concrete as per Florida Building Code
19. Rebar Reinforced CMU block as per Florida Building Code
20. PLYWOOD 5/8" - Option to be Pressure Treated and/or Fire Prof.

Notes Screw 08h: ASTM C-90 CMU and 3.05 ksi min. CONCRETE edge condition restrictions  
(All references and limitations are measured from the CONCRETE or CMU edge)  
1) Minimum fastener embedment required: 1.75" in CONCRETE, 1.25" in hollow CMU, 2.25" in grout-filled CMU.  
2) Ensure min. center-to-center distance between any two Ultracon+ of: 4" in CONCRETE, 6" in hollow CMU, and 4.5" in grout-filled CMU  
3) With Ultracon+ at 1" minimum edge distance, in CONCRETE follow Max Screw Spacing of 16" or 24" as shown in charts. For CMU, if chart requires 16" OC then stagger fasteners at 7.75" OC for hollow CMU and 9" for grout-filled CMU. If chart requires 24" OC then stagger fasteners at 10" OC for hollow CMU and 11.75" OC for grout-filled CMU.  
4) Fasteners installed on both sides of an outside corner condition must have a minimum stagger between the screws on opposing sides of the corner, of 4" min. in CONCRETE and 4.5" min. in grout-filled CMU.  
5) Reference drawings: #8 on pg 12, #10 on pg 15, #9 on pg. 21



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REYNOBOND® w/ FR – LARGE MISSILE IMPACT  
BACKER SUPPORTS: CMU, 7.2" RIB PANEL 20ga, PLYWOOD 5/8"  
BILL OF MATERIALS  
ANCHOR QUANTITIES

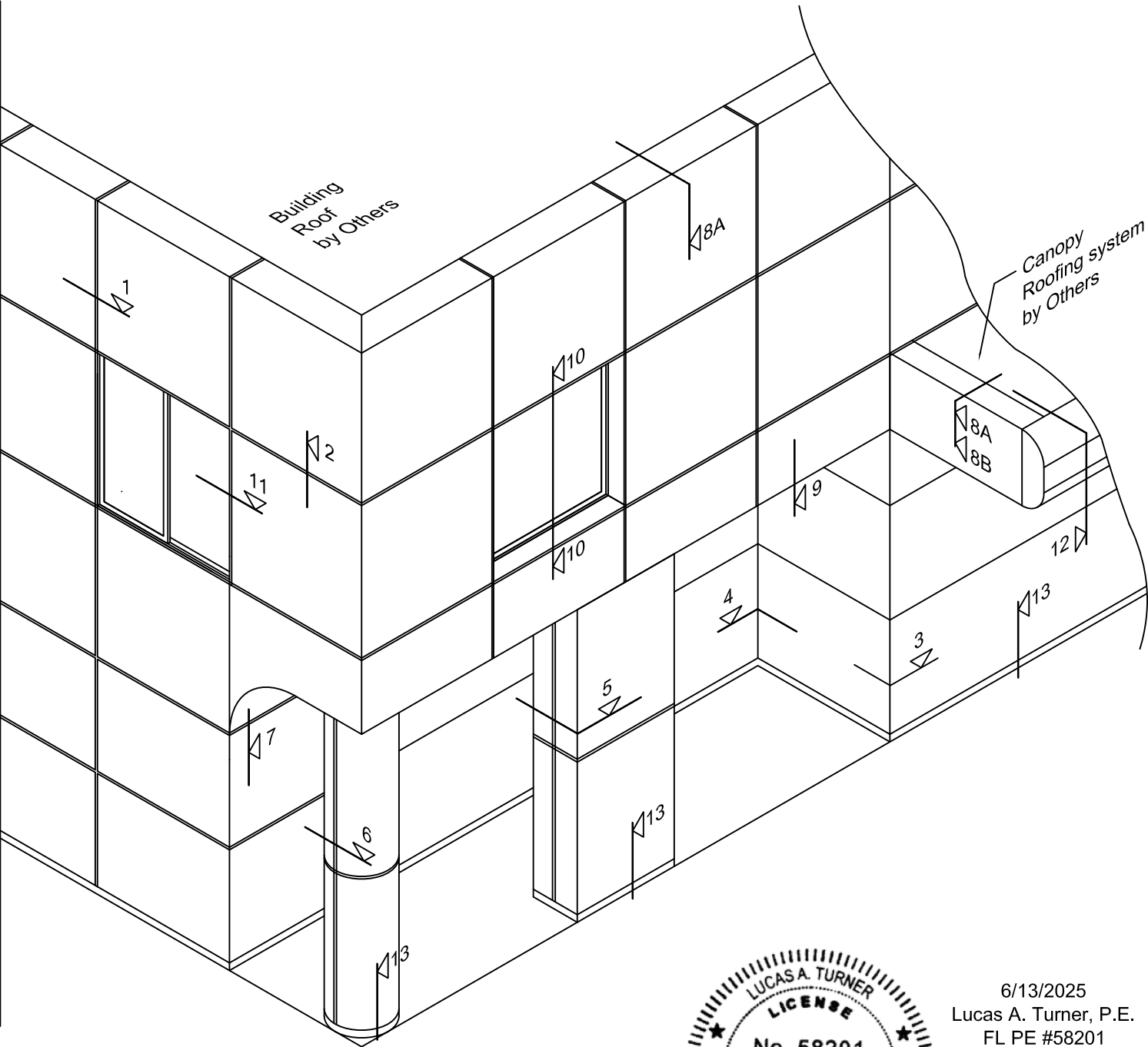
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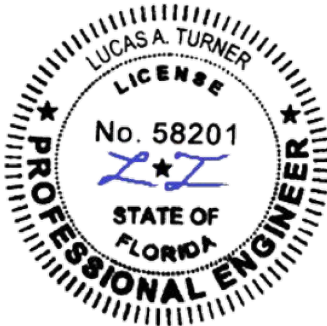
SHEET:

01 OF 21

REYNOBOND® FR w/BACKER SUPPORTS: CMU, 7.2” RIB PANEL 20ga, PLYWOOD 5/8”.



| BUILDING CONDITION |                          |                  |
|--------------------|--------------------------|------------------|
| 1                  | VERTICAL JOINT CONDITION |                  |
| 2                  | HORIZONTAL JOINT         |                  |
| 3                  | EXTERNAL CORNER          |                  |
| 4                  | INTERNAL CORNER          |                  |
| 5                  | COLUMN COVER             |                  |
| 6                  | CURVED CONVEX            |                  |
| 7                  | CURVED CONCAVE           |                  |
| 8                  | PARAPET                  | w/ FLASHING (A)  |
|                    |                          | w/ REYNOBOND (B) |
| 9                  | SOFFIT                   |                  |
| 10                 | RECESS OPENING           |                  |
| 11                 | FLASH OPENING            |                  |
| 12                 | CANOPY                   |                  |
| 13                 | BASE BOARD               |                  |



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BACKER SUPPORTS: CMU, 7.2” RIB PANEL 20ga, PLYWOOD 5/8”  
3D VIEW AND SECTIONS  
DRY AND WET SEAL

DATE:6/13/2025

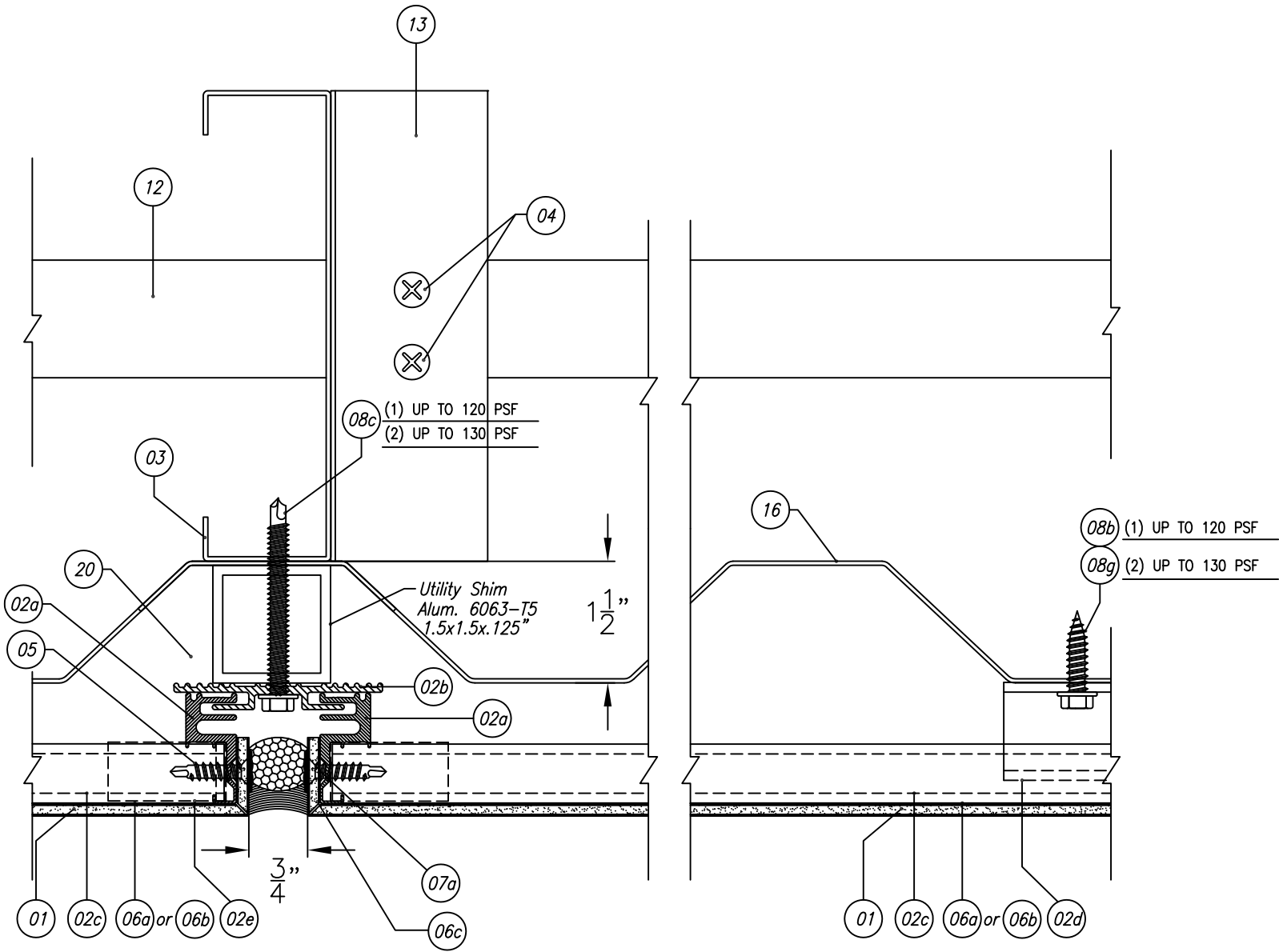
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REYNOBOND® FR w/BACKER SUPPORTS: CMU, 7.2" RIB  
PANEL 20ga, PLYWOOD 5/8".

VERTICAL JOINT – 3/4" WET  
NOTE: ALL JOINTS APPLY TO ANY BUILDING CONDITION

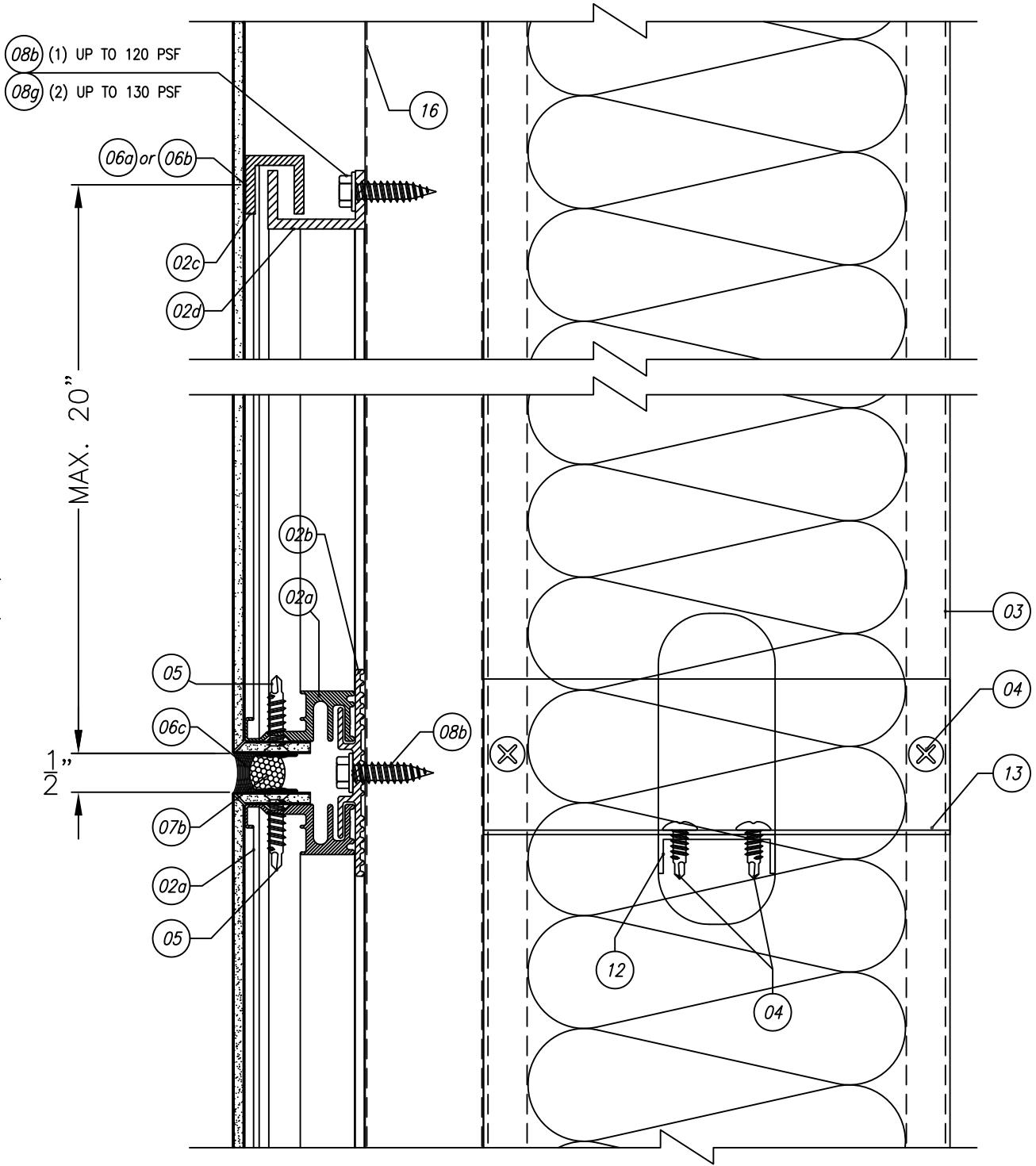
1 SECTION DETAIL  
TOP / BOTTOM



REYNOBOND® FR w/BACKER SUPPORTS: CMU, 7.2" RIB  
PANEL 20ga, PLYWOOD 5/8".

HORIZONTAL JOINT – 1/2" WET  
NOTE: ALL JOINTS APPLY TO ANY BUILDING CONDITION

2 SECTION DETAIL  
RIGHT / LEFT

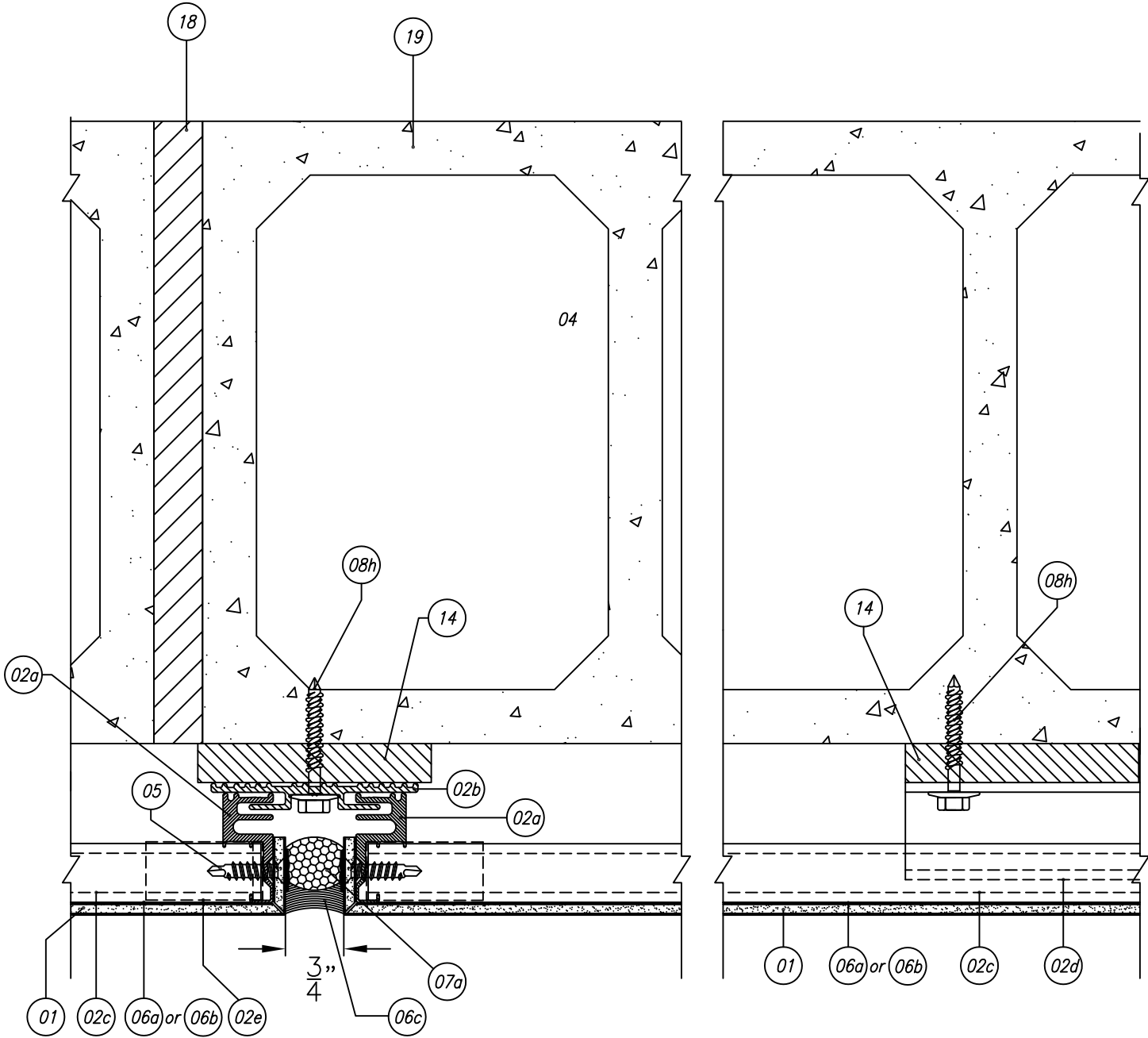


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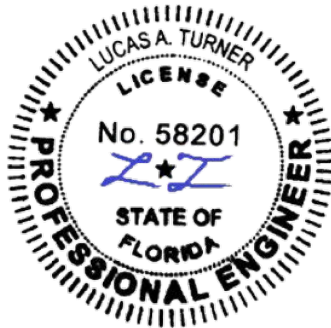
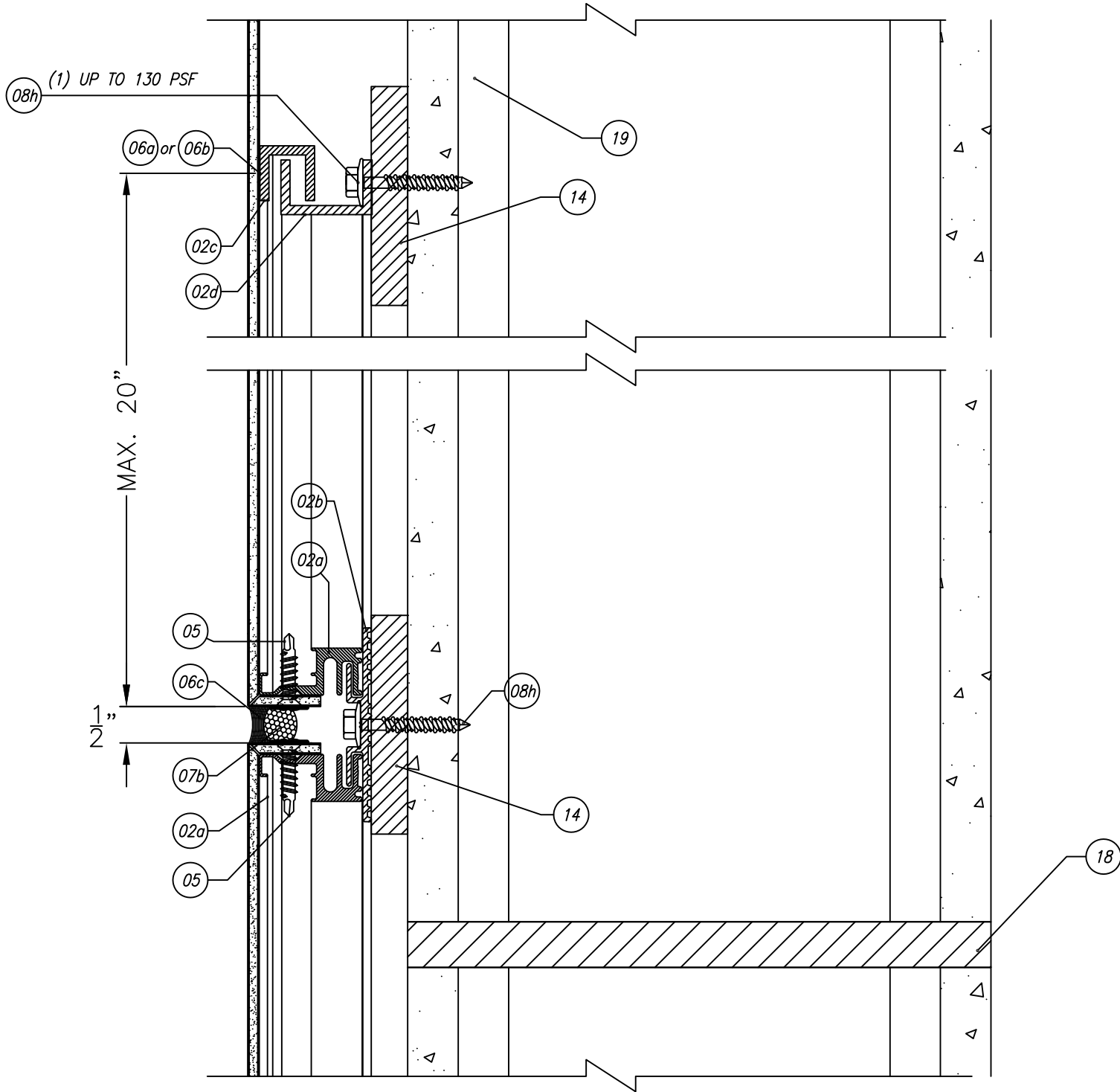
REYNOBOND® FR w/BACKER SUPPORT  
OVER CMU  
VERTICAL JOINT – 3/4” WET  
NOTE: ALL JOINTS APPLY TO ANY BUILDING CONDITION

1 SECTION DETAIL  
TOP / BOTTOM



REYNOBOND® FR w/BACKER SUPPORT  
OVER CMU  
HORIZONTAL JOINT – 1/2” WET  
NOTE: ALL JOINTS APPLY TO ANY BUILDING CONDITION

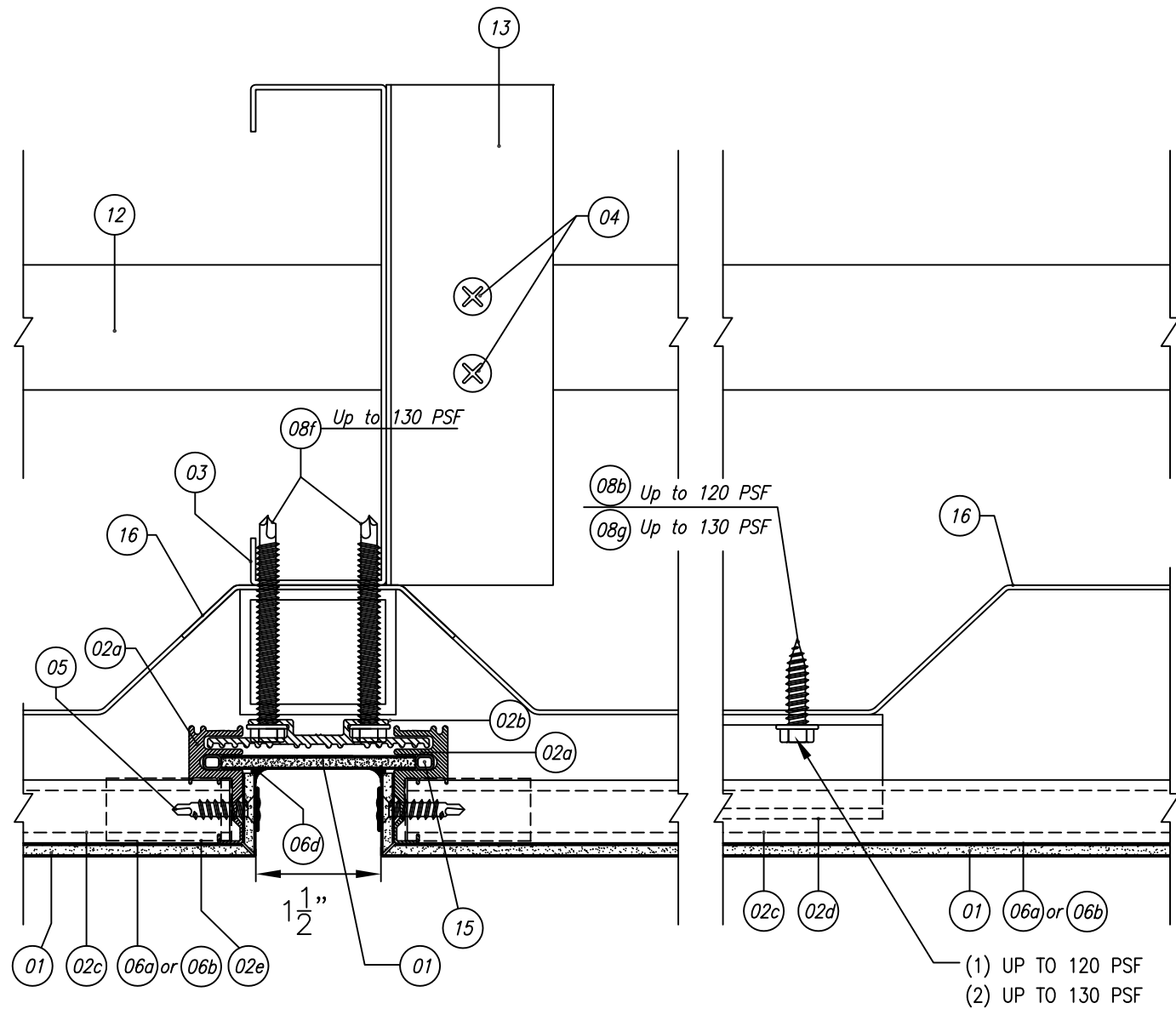
2 SECTION DETAIL  
RIGHT / LEFT



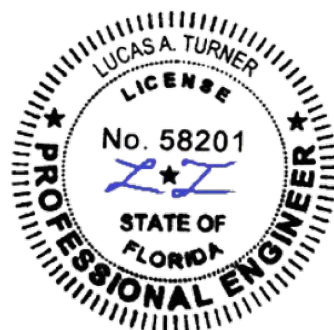
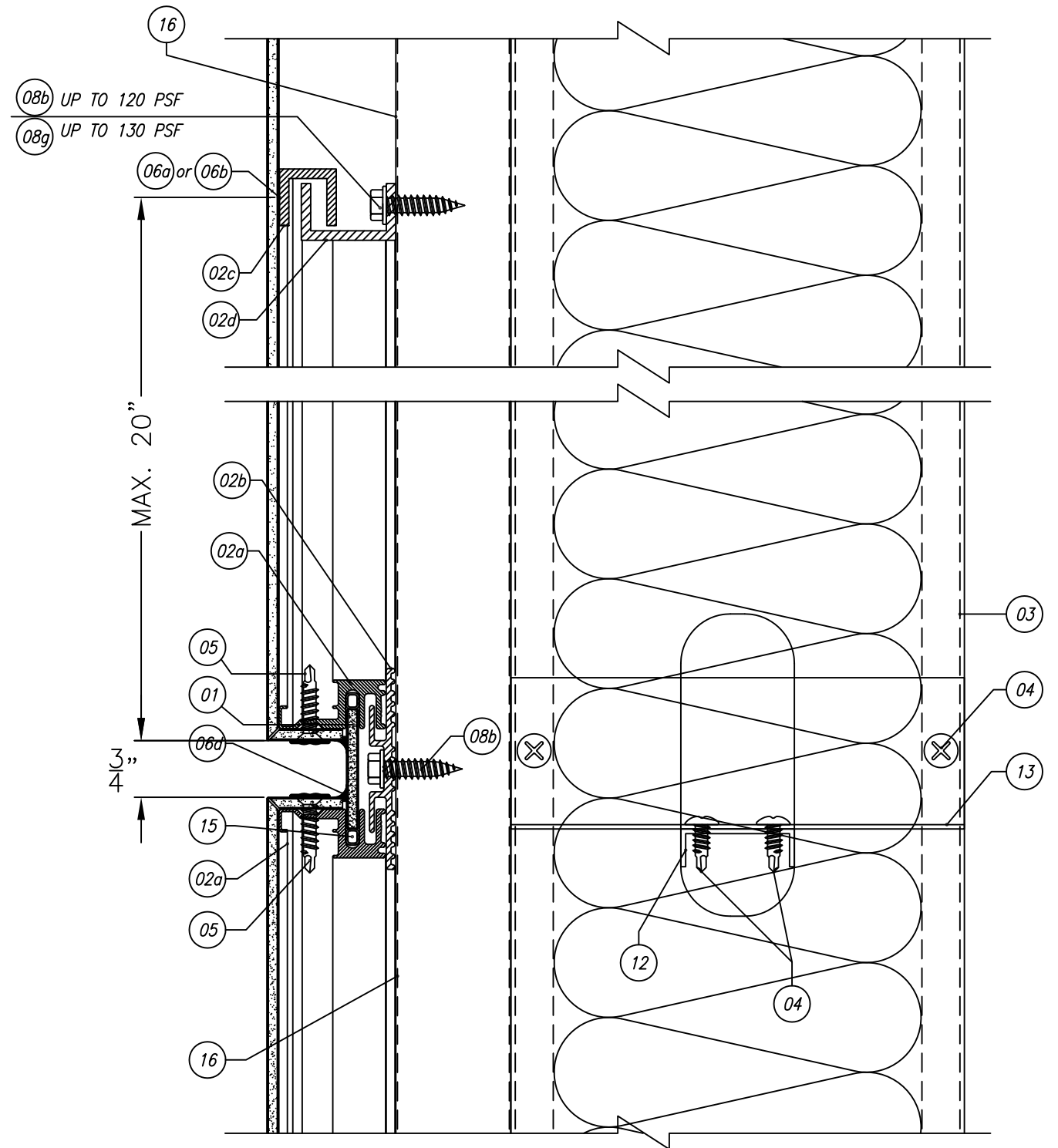
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1 SECTION DETAIL  
TOP / BOTTOM



2 SECTION DETAIL  
RIGHT / LEFT



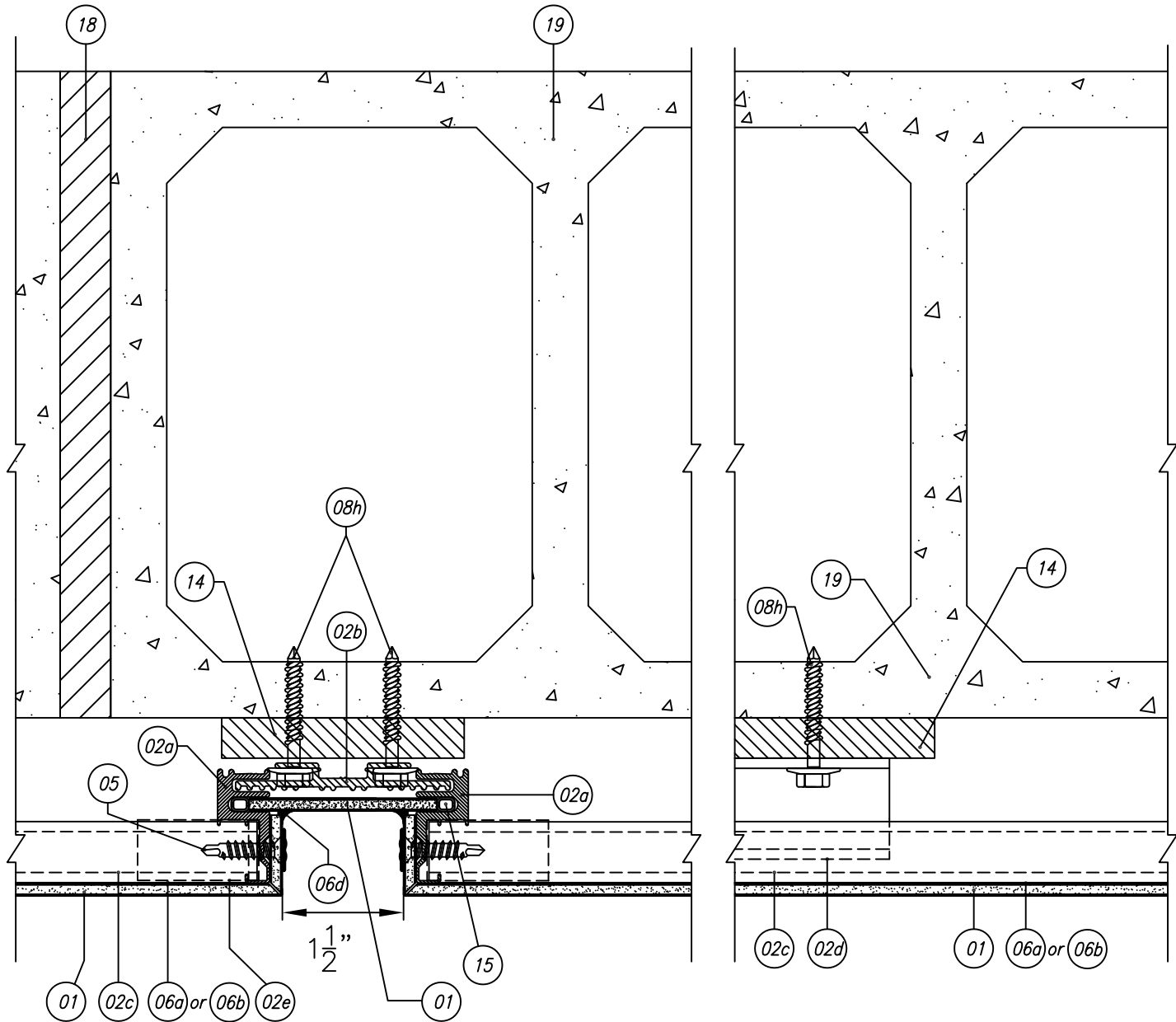
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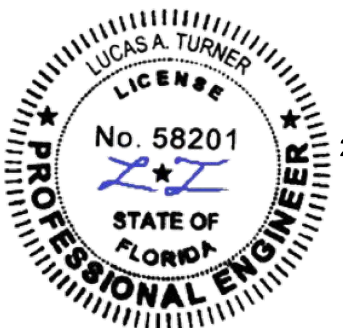
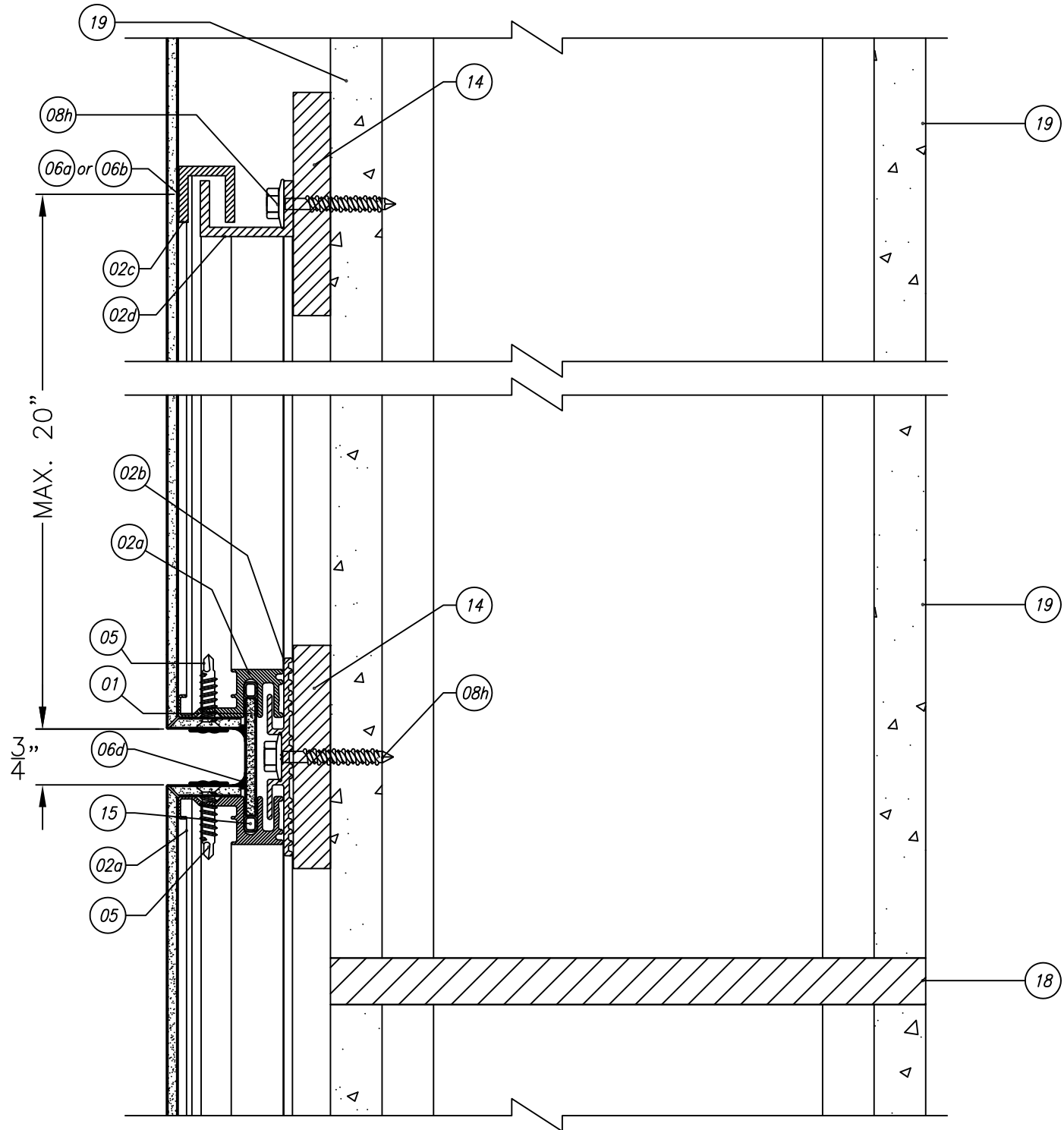
REYNOBOND® FR w/ BACKER SUPPORT  
OVER CMU  
VERTICAL JOINT – 1 1/2” DRY  
NOTE: ALL JOINTS APPLY TO ANY BUILDING CONDITION

1 SECTION DETAIL  
TOP / BOTTOM



REYNOBOND® FR w/ BACKER SUPPORT  
OVER CMU  
HORIZONTAL JOINT – 3/4” DRY  
NOTE: ALL JOINTS APPLY TO ANY BUILDING CONDITION

2 SECTION DETAIL  
RIGHT / LEFT



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ALL BUILDING CONDITIONS, DRY AND WET SEAL

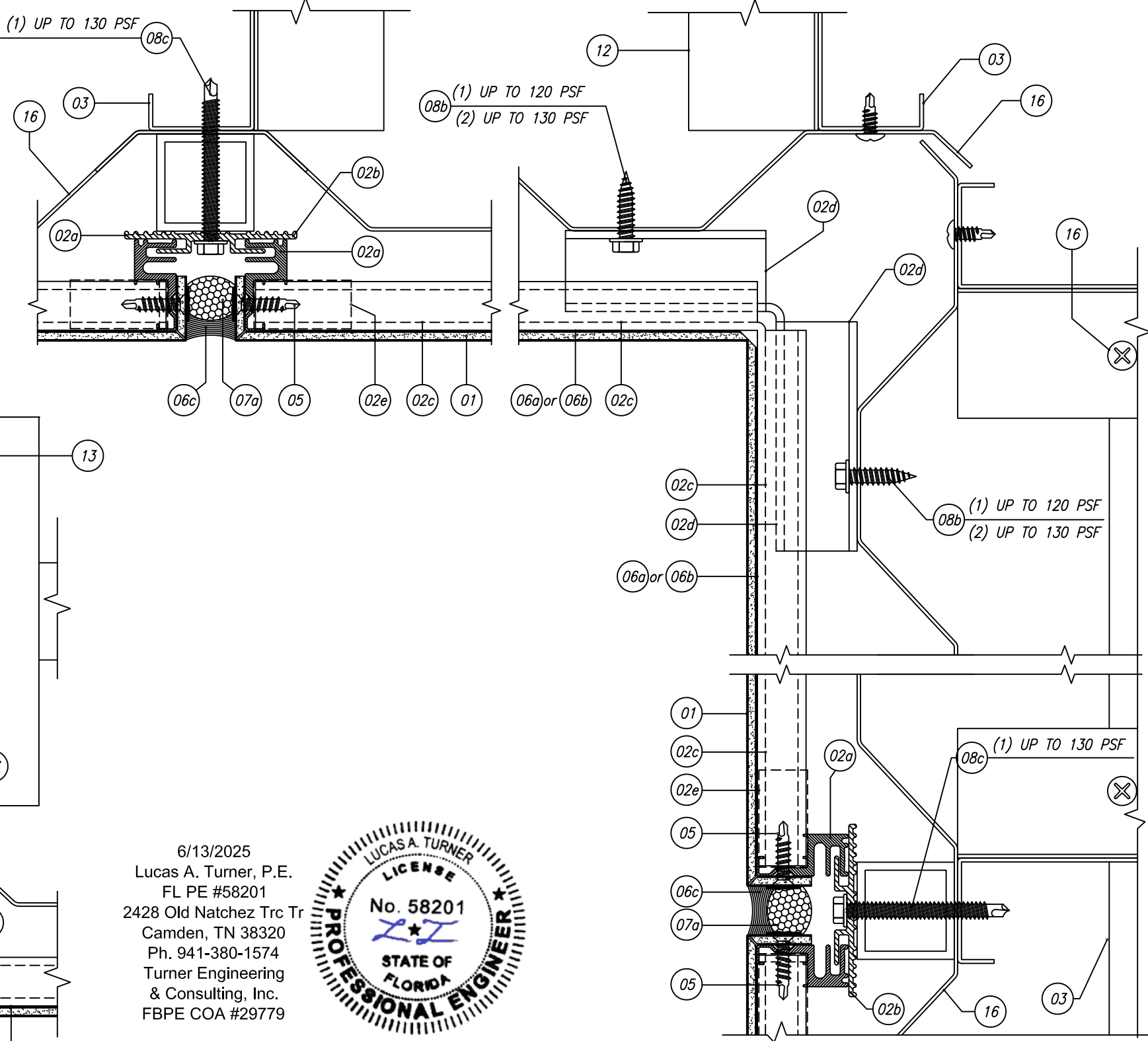
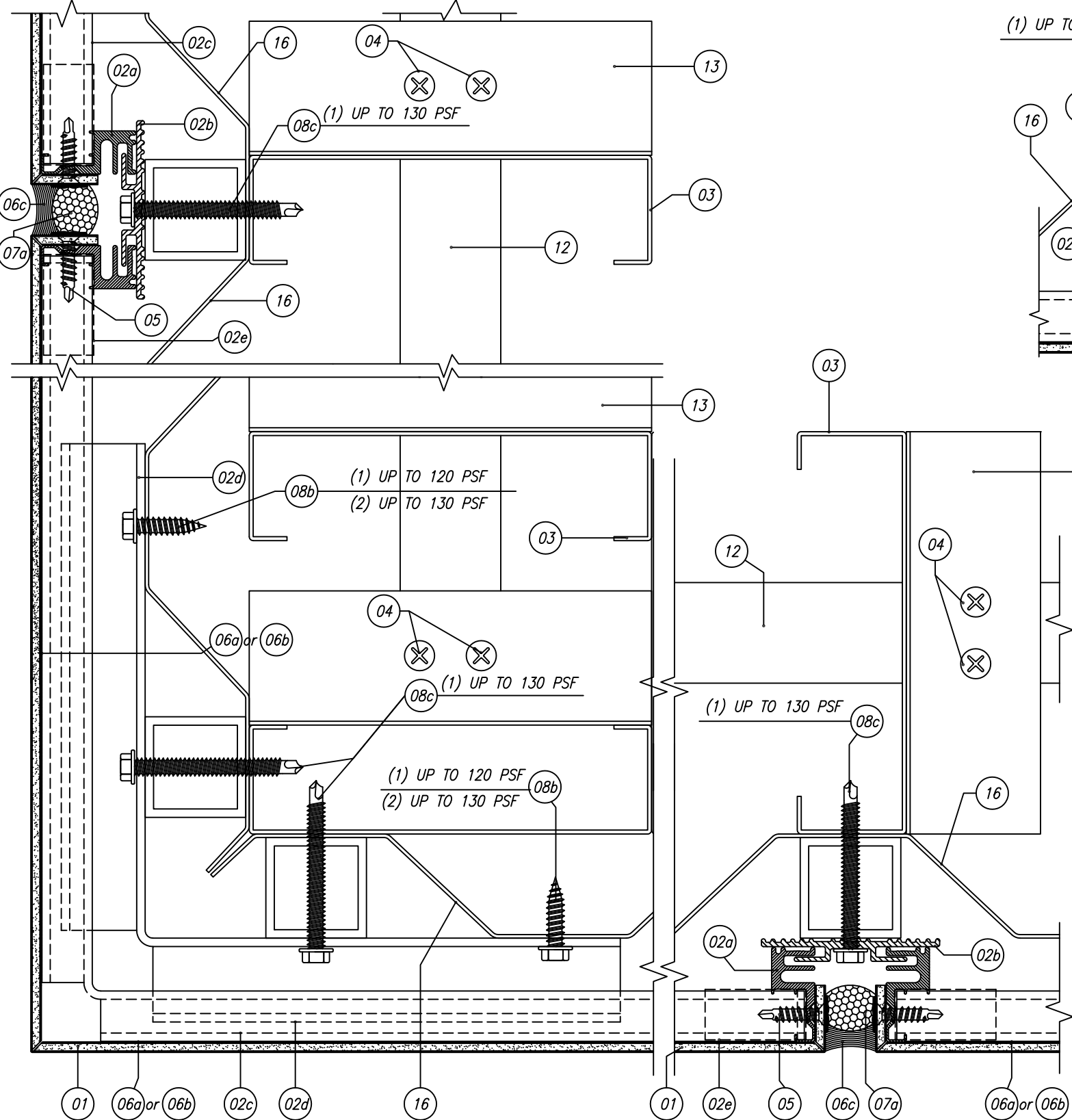
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REYNOBOND® FR w/ BACKER SUPPORT  
7.2" RIB PANEL 20ga  
EXTERNAL CORNER

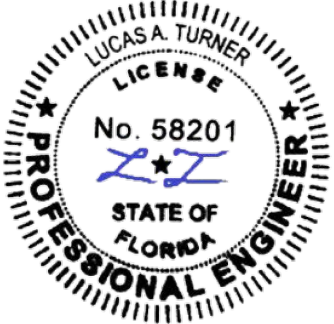
3 SECTION DETAIL  
TOP / BOTTOM

REYNOBOND® FR w/ BACKER SUPPORT  
7.2" RIB PANEL 20ga  
INTERNAL CORNER

4 SECTION DETAIL  
TOP / BOTTOM



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BACKER SUPPORTS: 7.2" RIB PANEL 20ga  
ALL BUILDING CONDITIONS, DRY AND WET SEAL

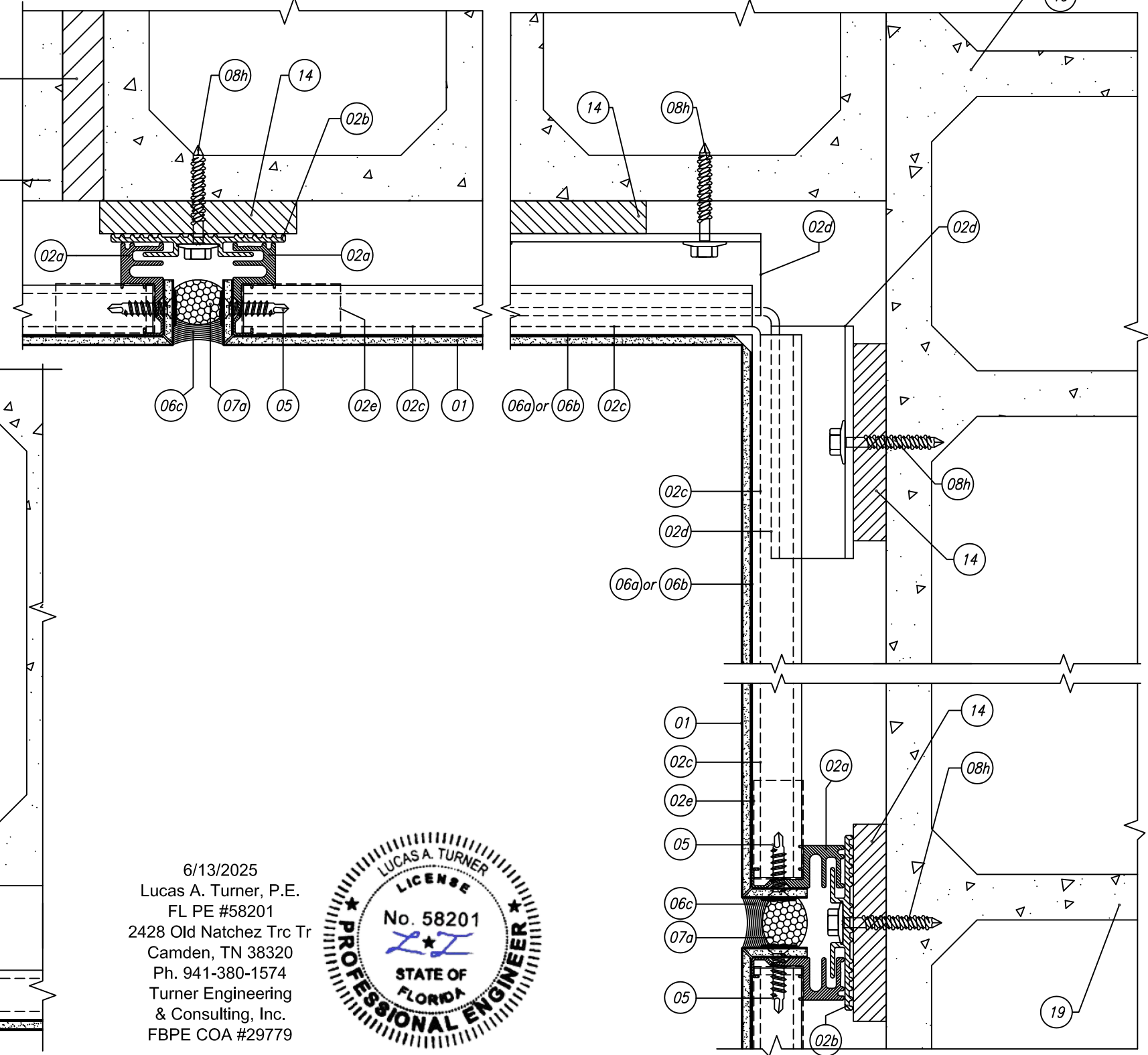
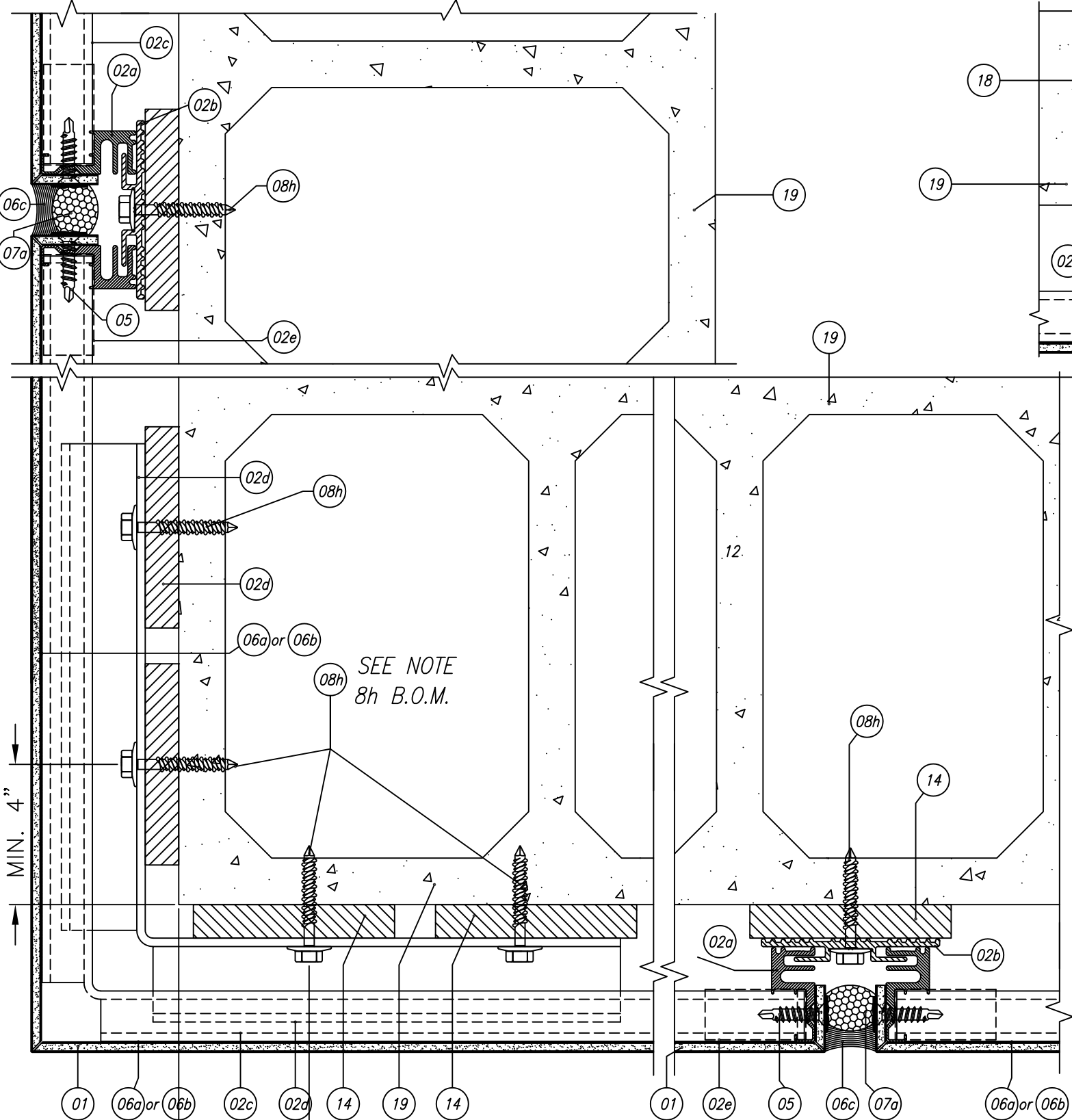
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REYNOBOND® FR w/BACKER SUPPORT  
OVER CMU  
EXTERNAL CORNER

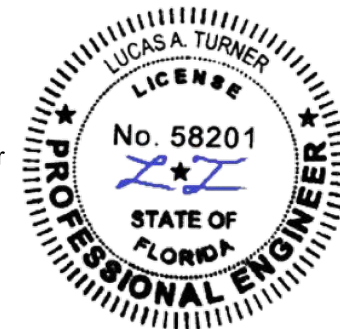
3 SECTION DETAIL  
TOP / BOTTOM

REYNOBOND® FR w/BACKER SUPPORT  
OVER CMU  
INTERNAL CORNER

4 SECTION DETAIL  
TOP / BOTTOM



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BACKER SUPPORTS: CMU/CONCRETE  
ALL BUILDING CONDITIONS, DRY AND WET SEAL

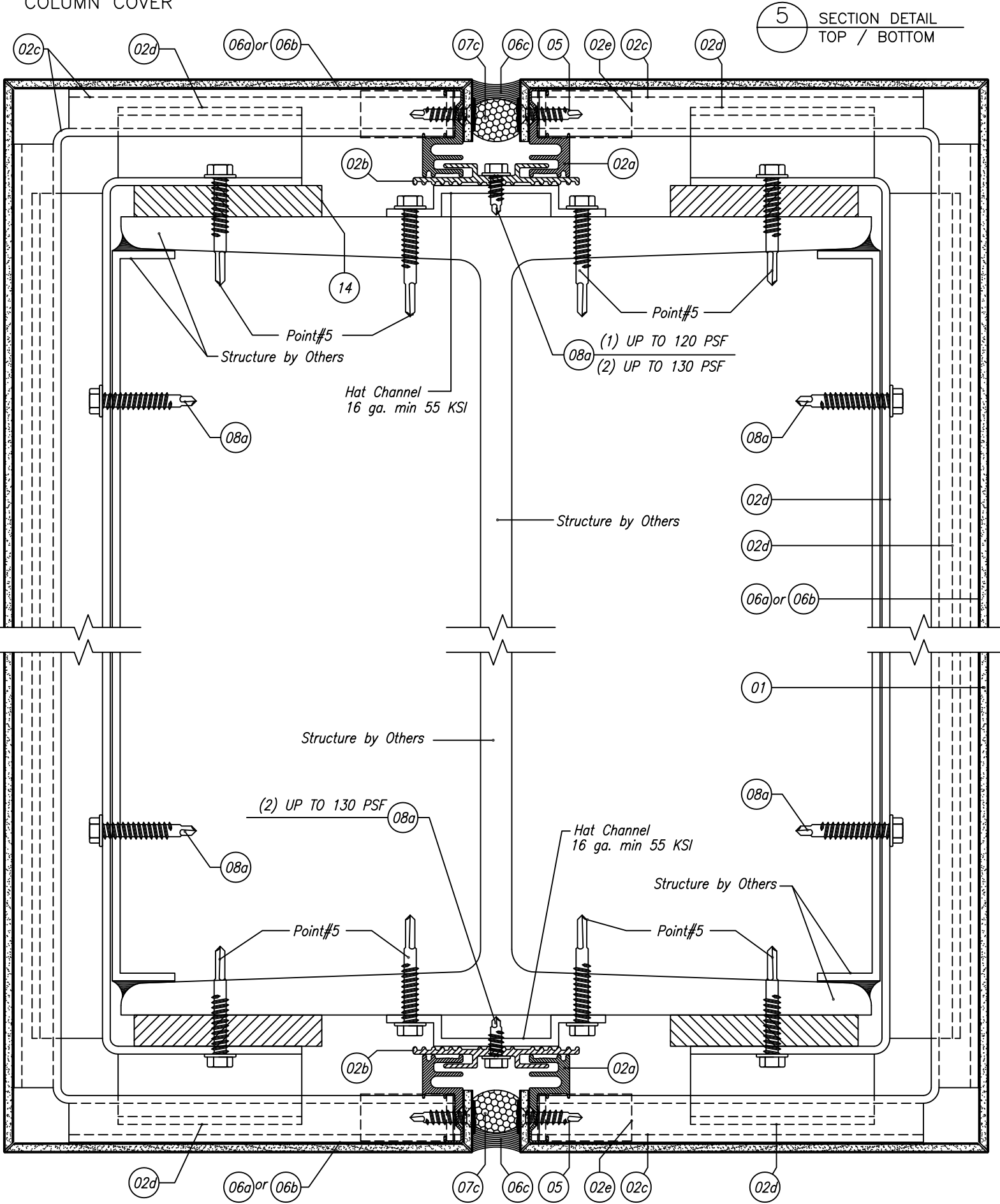
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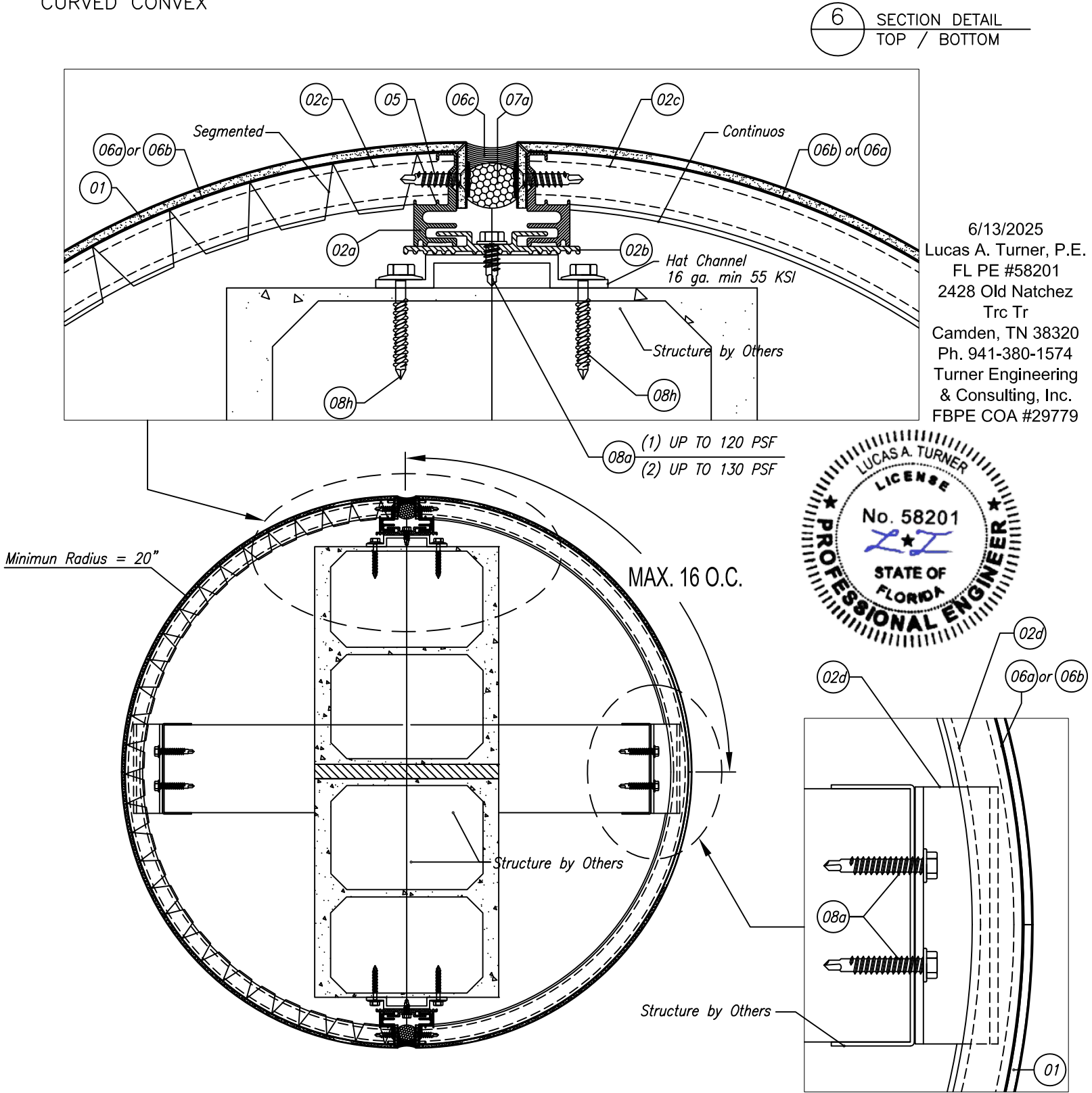
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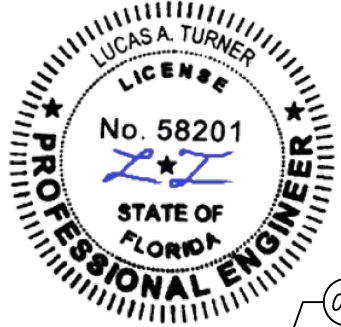
REYNOBOND® FR w/BACKER SUPPORTS: CMU, 7.2" RIB PANEL 20ga, 5/8" PLYWOOD  
COLUMN COVER



REYNOBOND® FR w/BACKER SUPPORTS: CMU, 7.2" RIB PANEL 20ga, 5/8" PLYWOOD  
CURVED CONVEX



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HVHZ AND NON-HVHZ

REYNOBOND® w/ FR - LARGE MISSILE IMPACT  
BACKER SUPPORTS: CMU, 7.2" RIB PANEL 20ga, PLYWOOD 5/8"  
ALL BUILDING CONDITIONS, DRY AND WET SEAL

DATE: 6/13/2025

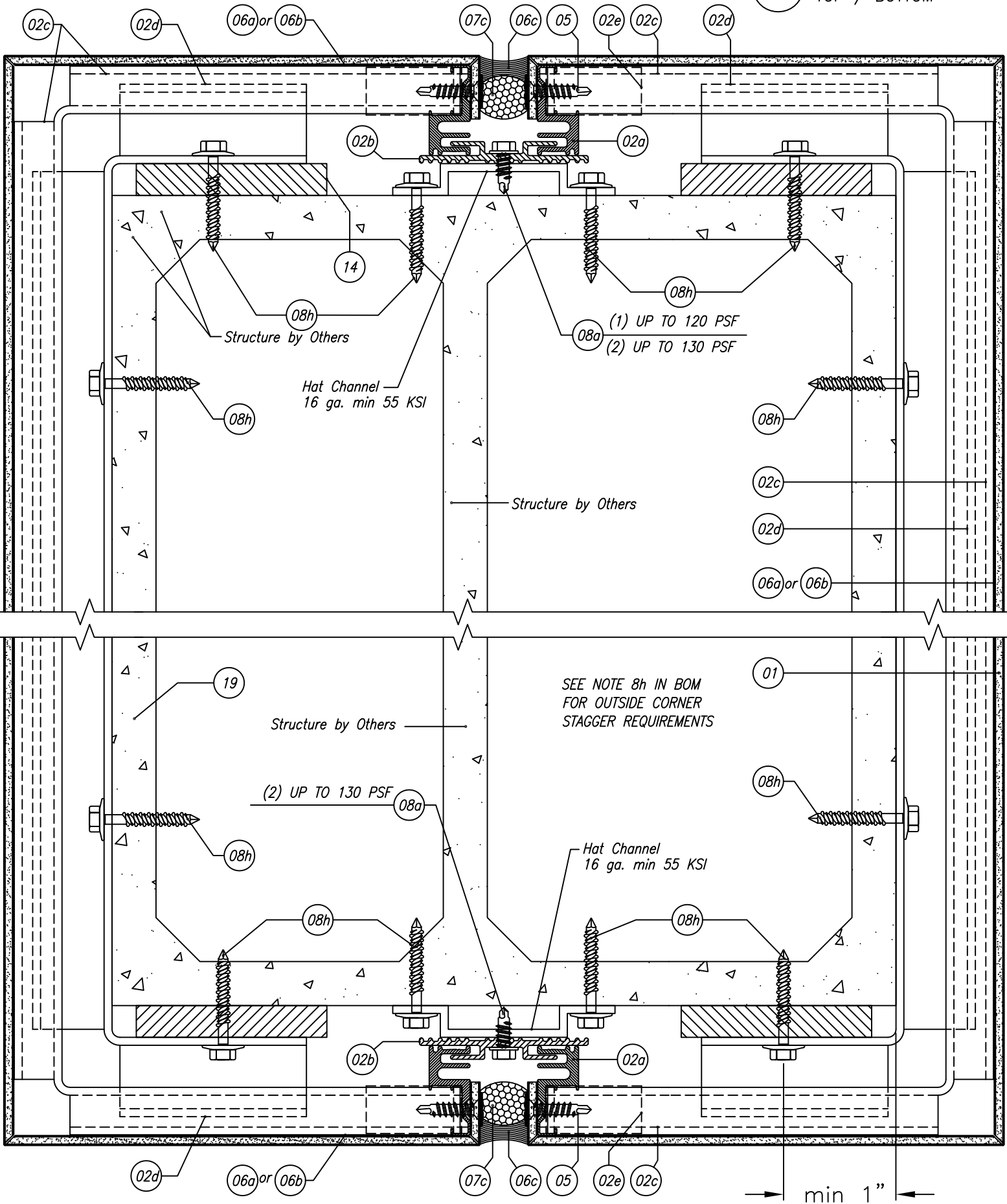
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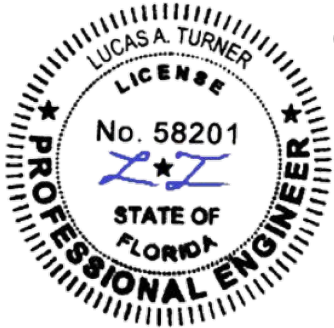
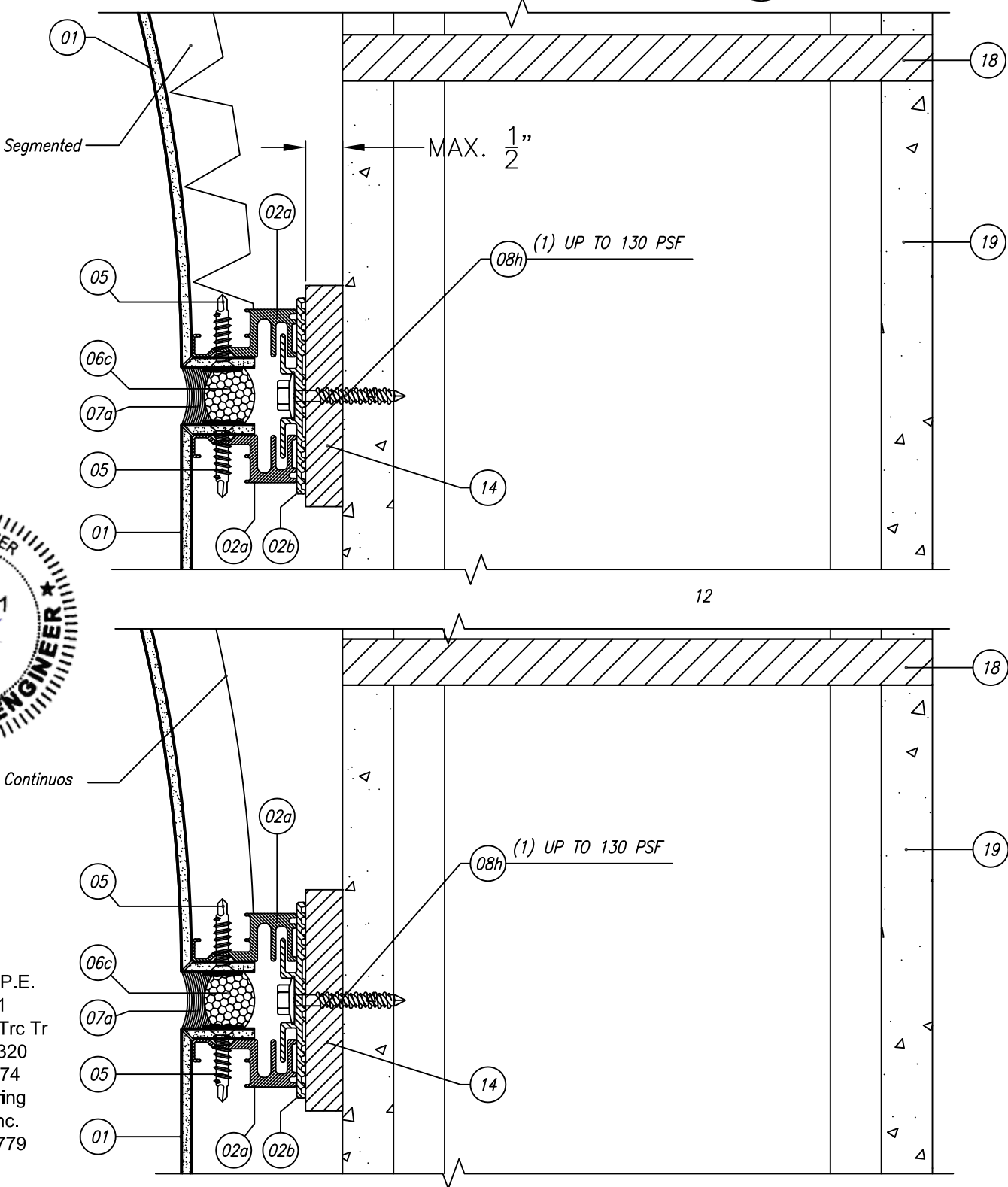
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COLUMN COVER

5 SECTION DETAIL  
TOP / BOTTOM



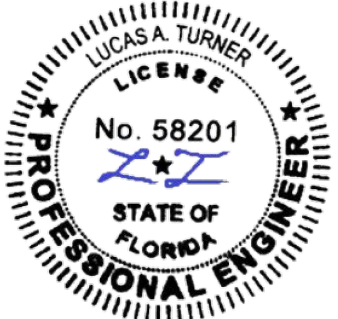
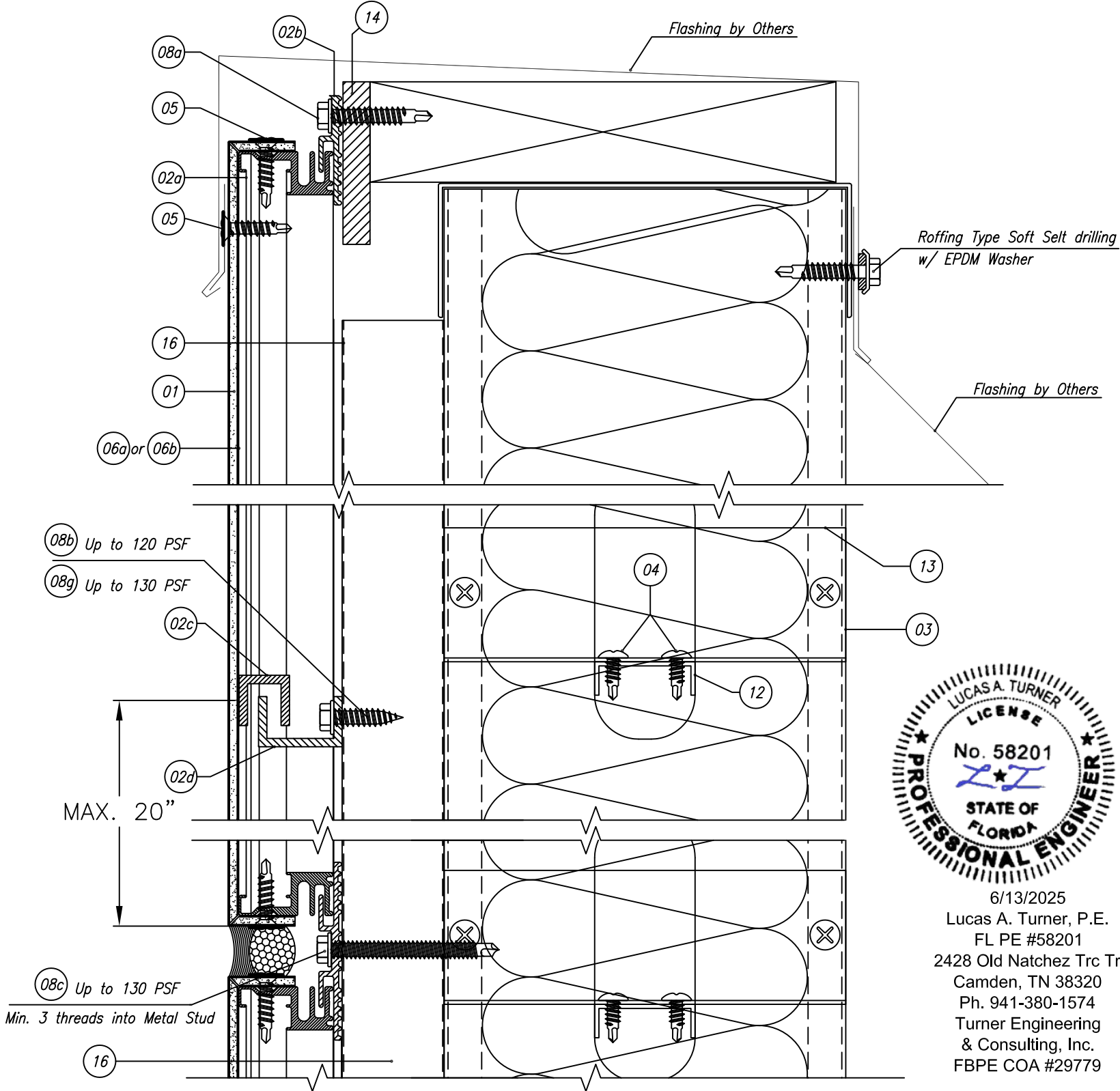
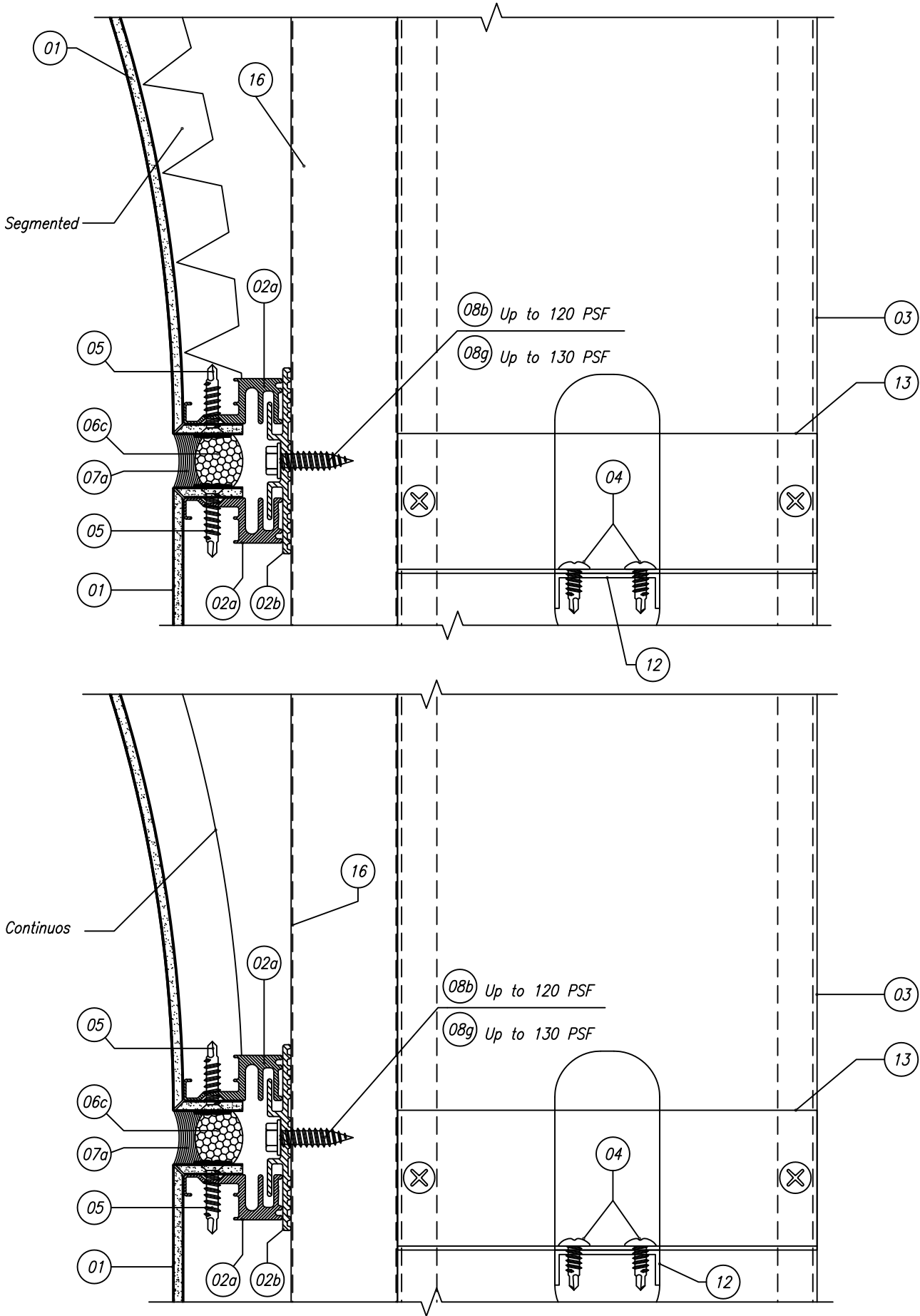
REYNOBOND® FR w/ BACKER SUPPORT OVER CMU  
CURVED CONCAVE

7 SECTION DETAIL  
TOP / BOTTOM



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ALL BUILDING CONDITIONS, DRY AND WET SEAL

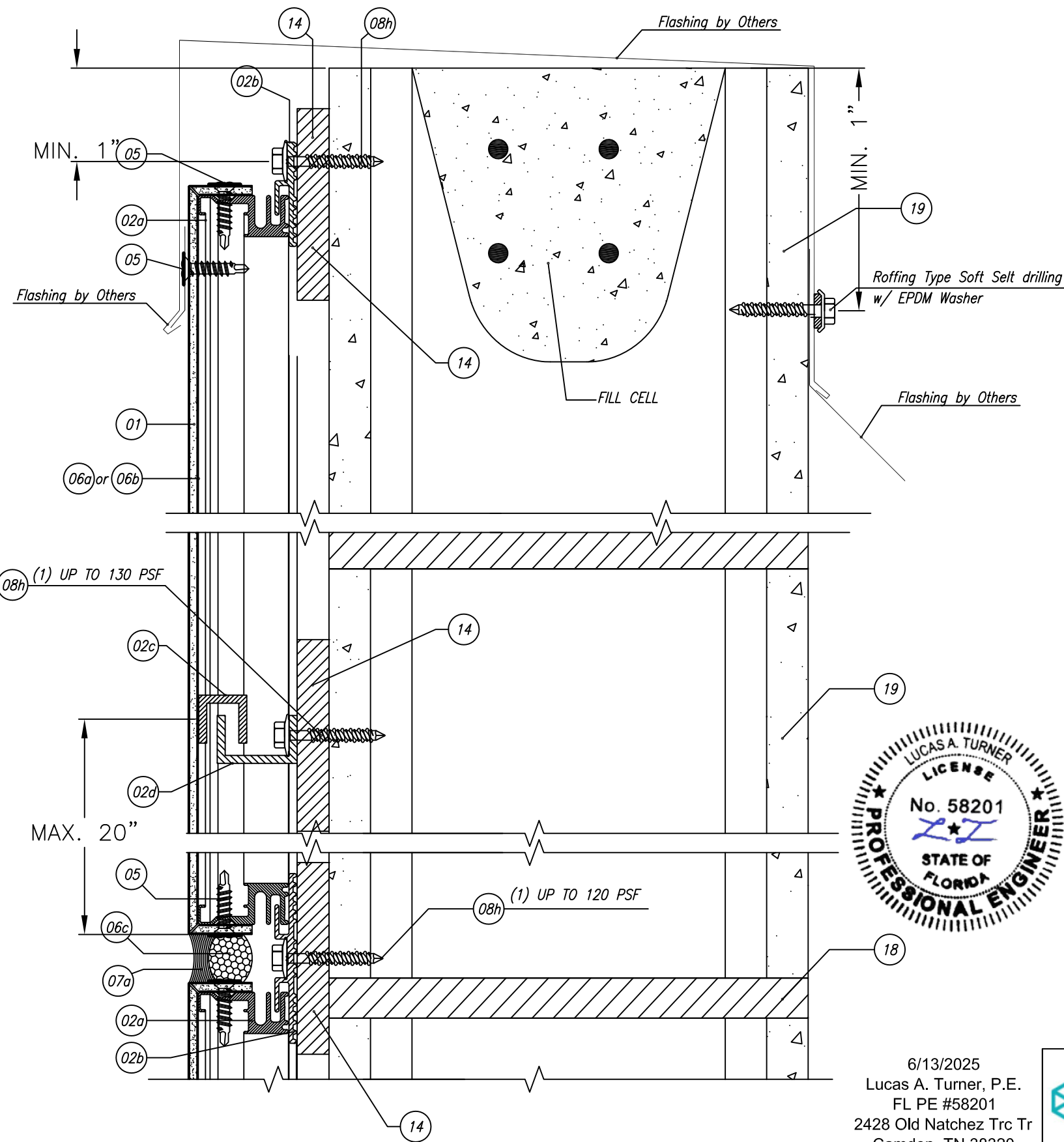
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REYNOBOND® FR w/BACKER SUPPORT OVER CMU  
PARAPET W/ FLASHING

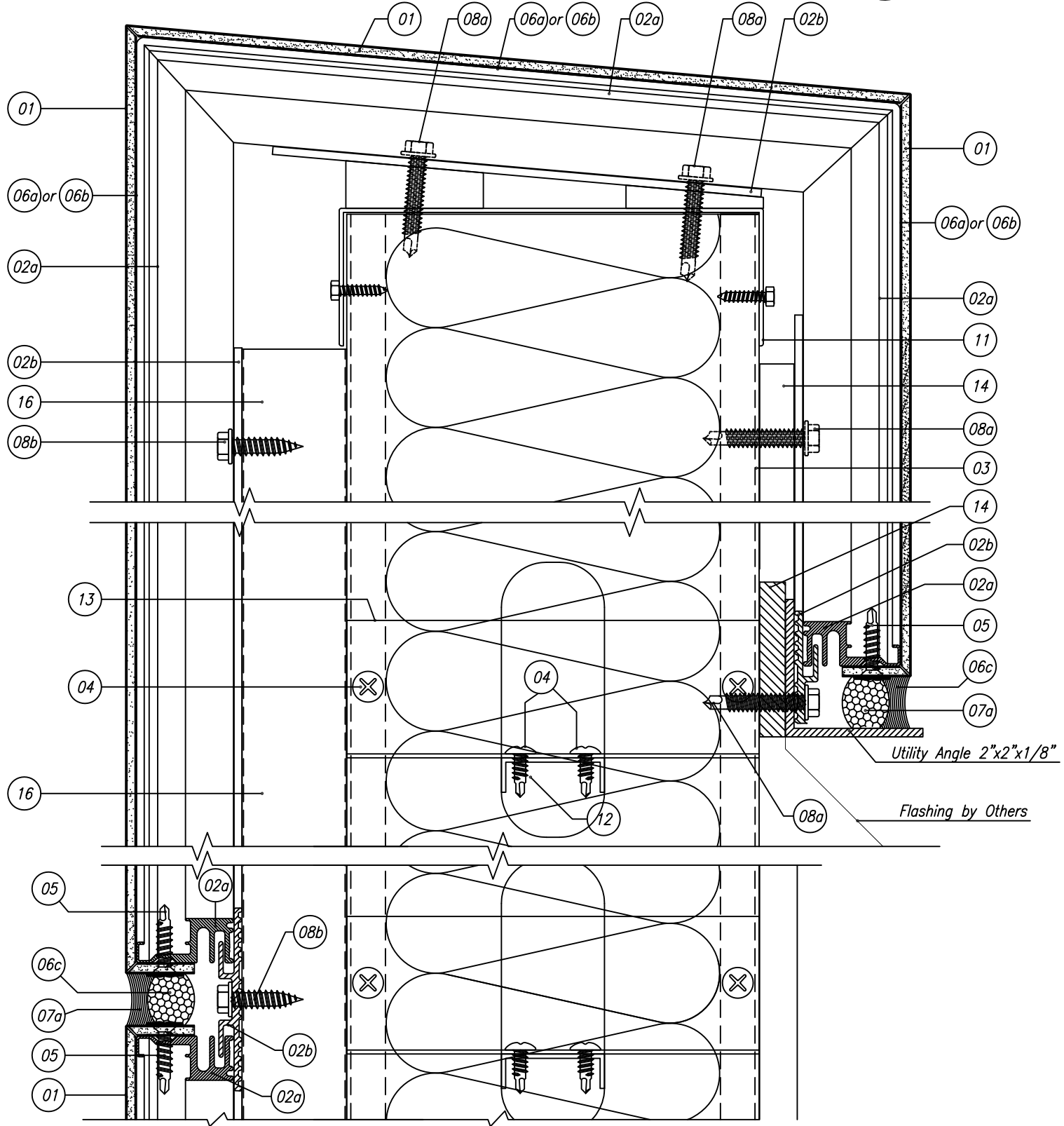
8  
A SECTION DETAIL  
RIGHT / LEFT



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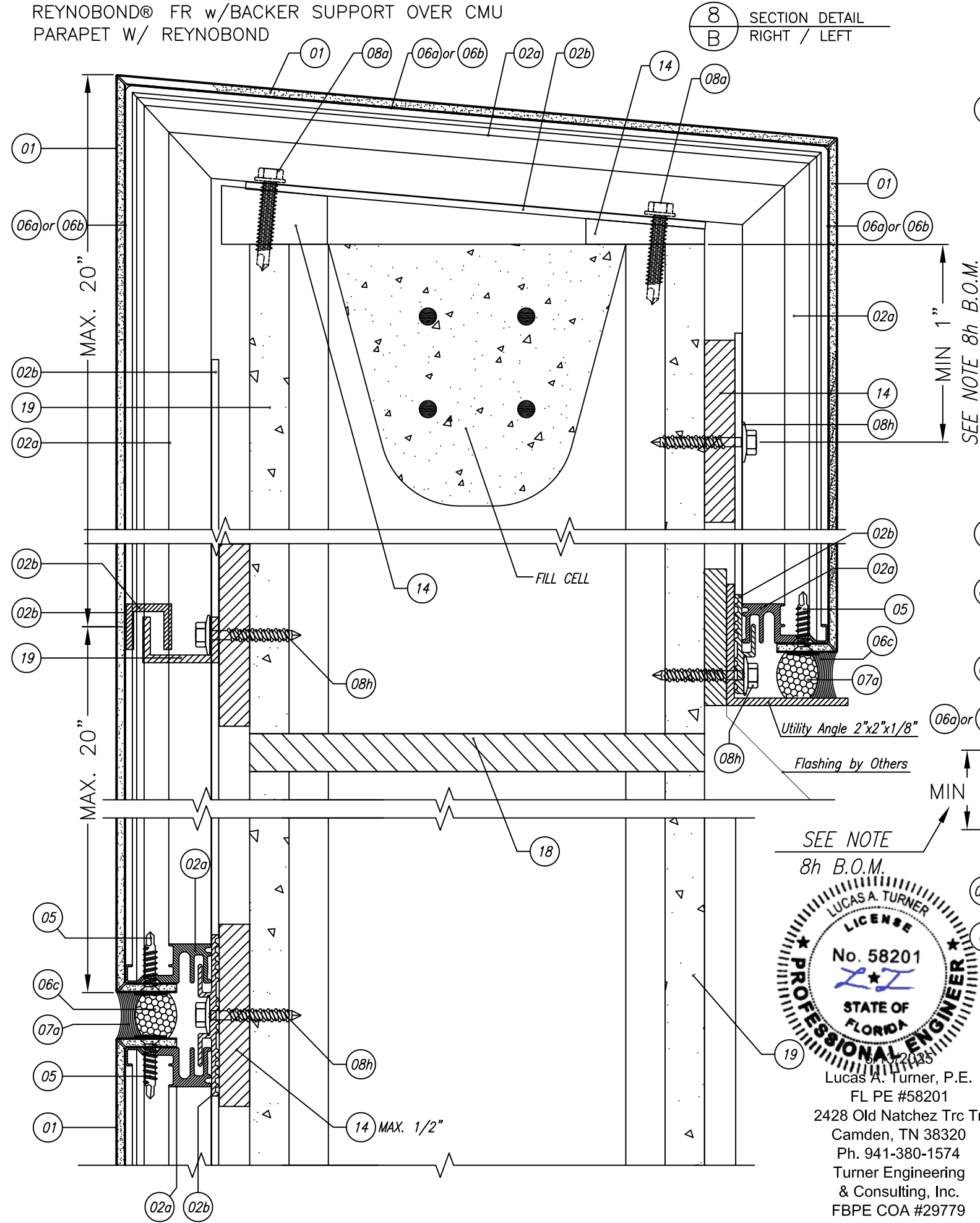
REYNOBOND® FR w/BACKER SUPPORT OVER 7.2\"/>

8  
B SECTION DETAIL  
RIGHT / LEFT



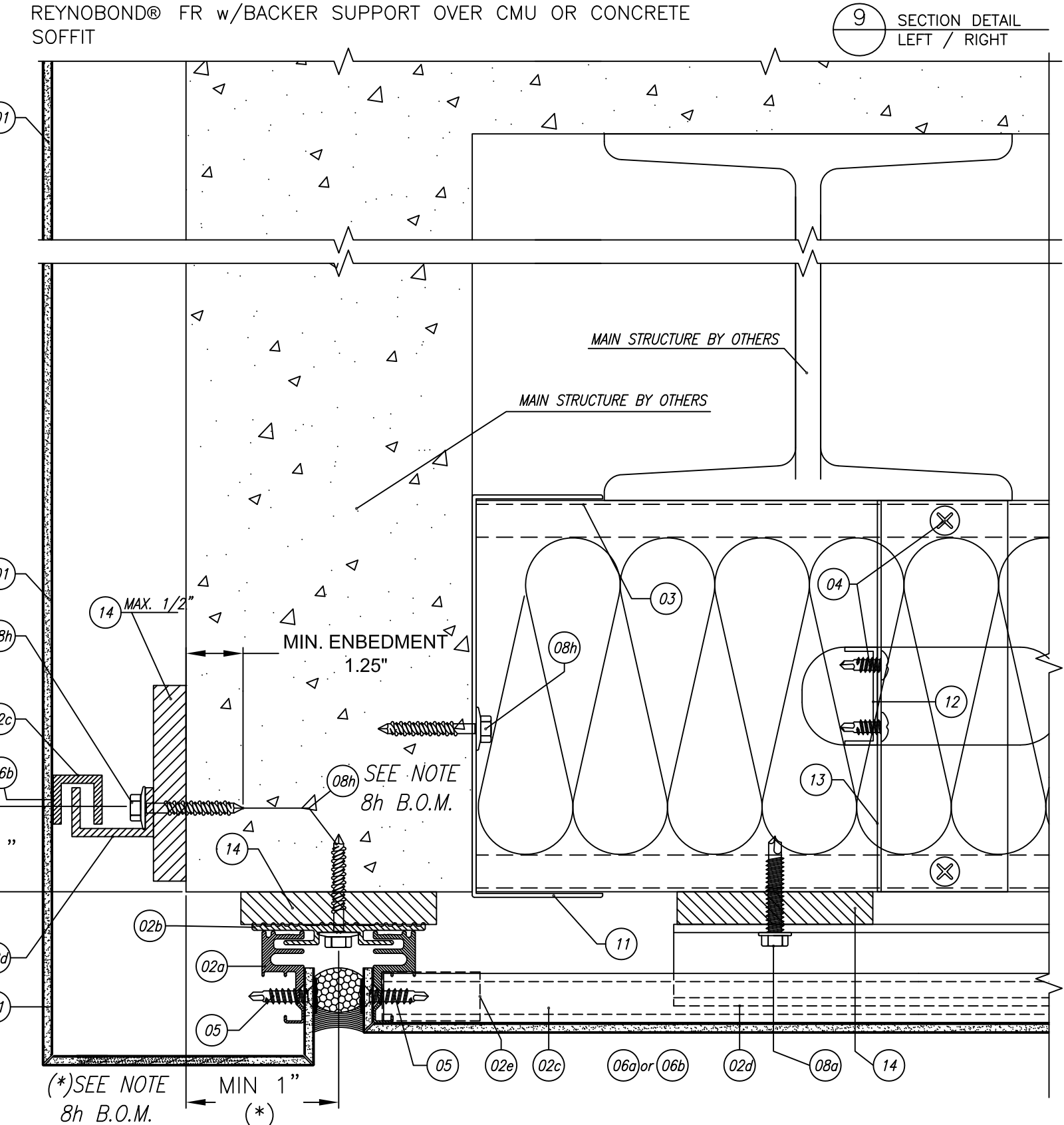
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REYNOBOND® FR w/BACKER SUPPORT OVER CMU  
PARAPET W/ REYNOBOND



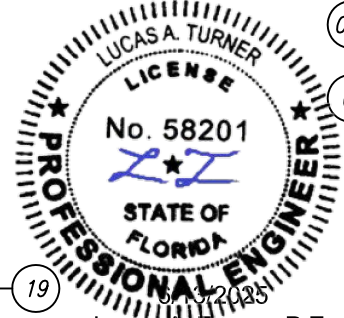
8 SECTION DETAIL  
RIGHT / LEFT

REYNOBOND® FR w/BACKER SUPPORT OVER CMU OR CONCRETE  
SOFFIT



9 SECTION DETAIL  
LEFT / RIGHT

SEE NOTE  
8h B.O.M.



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PARAPET/SOFFIT, DRY AND WET SEAL

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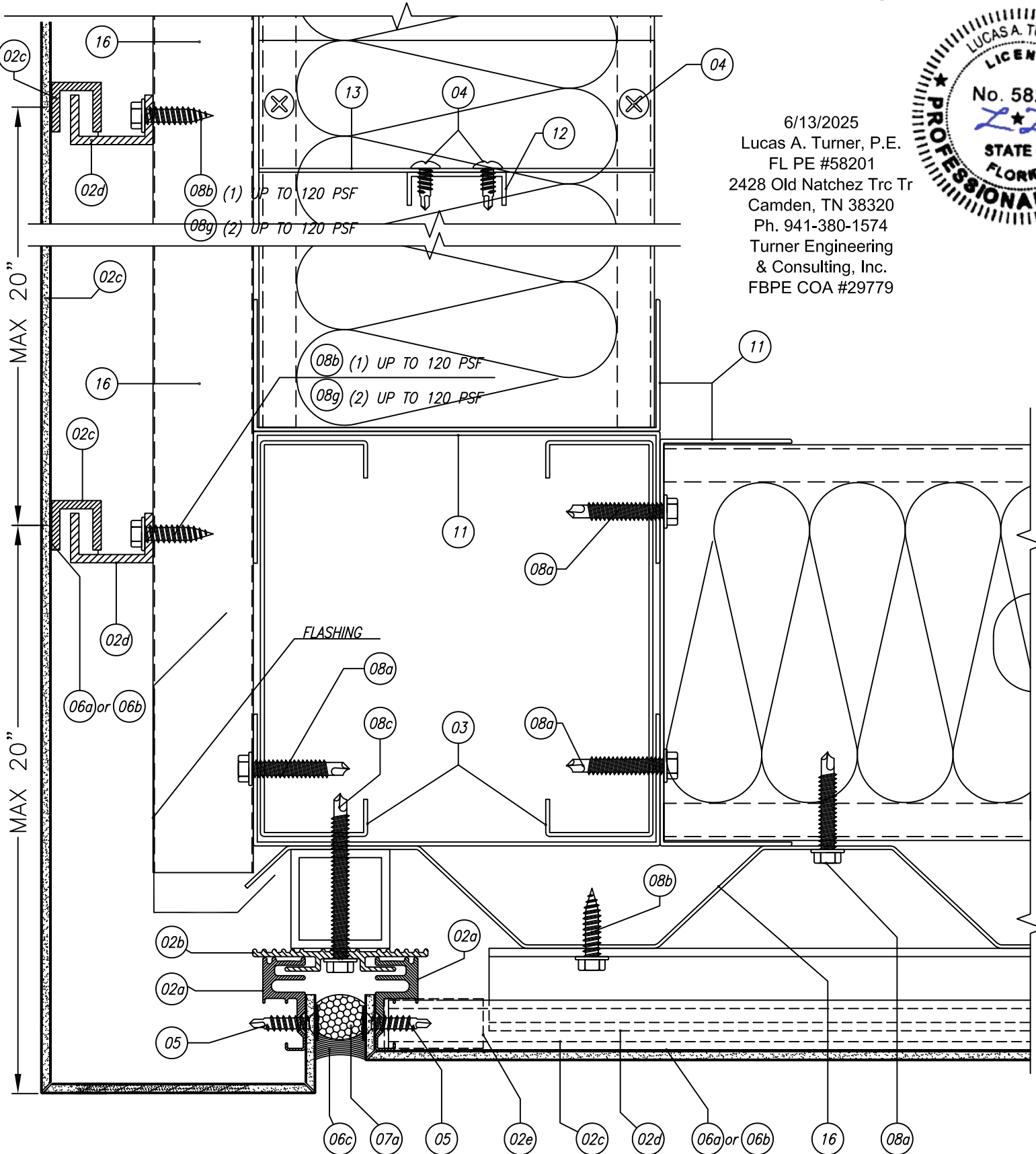
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REYNOBOND® FR w/BACKER SUPPORT OVER 7.2" RIB PANEL 20ga  
SOFFIT

9 SECTION DETAIL  
LEFT / RIGHT

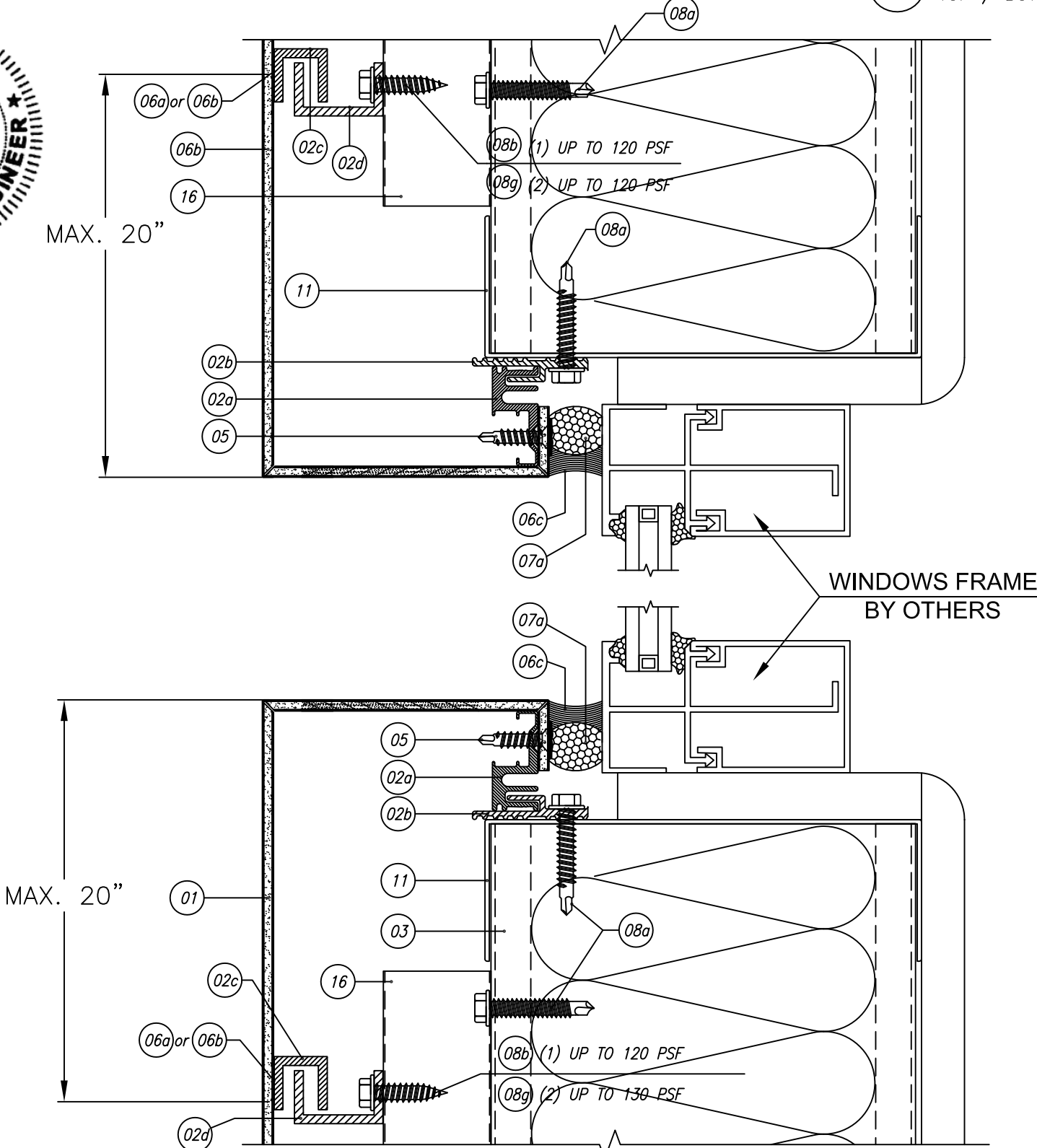


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REYNOBOND® FR w/BACKER SUPPORT OVER 7.2" RIB PANEL 20ga  
RECESS OPENING

10 SECTION DETAIL  
TOP / BOTTOM



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ALL BUILDING CONDITIONS, DRY AND WET SEAL

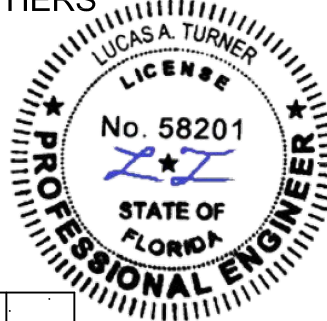
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10 SECTION DETAIL  
TOP / BOTTOM

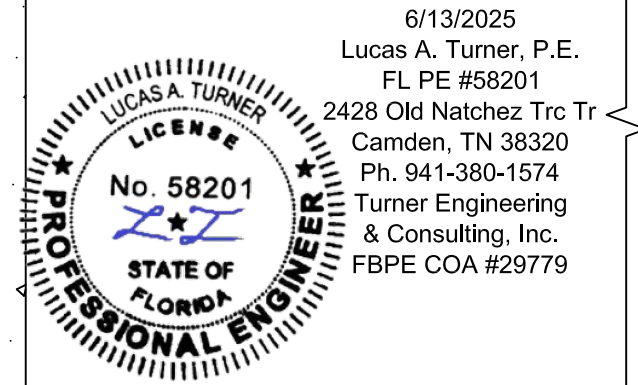
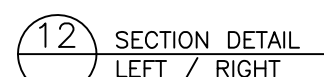


11 SECTION DETAIL  
TOP / BOTTOM



15 OF 21

12 SECTION DETAIL  
LEFT / RIGHT

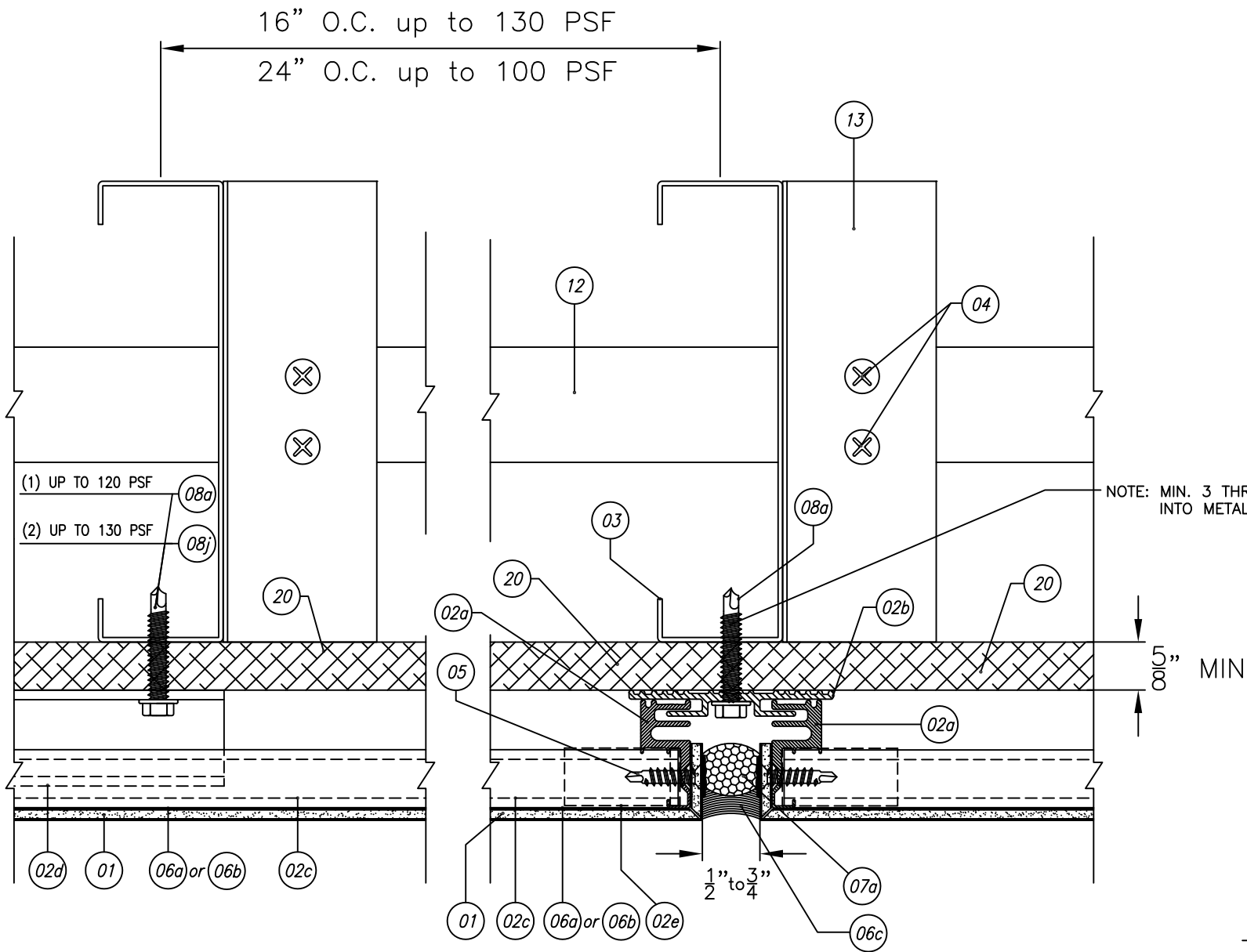


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REYNOBOND® w/ FR BACKER SUPPORT OVER  
PLYWOOD 5/8"  
VERTICAL JOINT – 1/2" to 3/4" WET  
NOTE: ALL JOINTS APPLY TO ANY BUILDING CONDITION



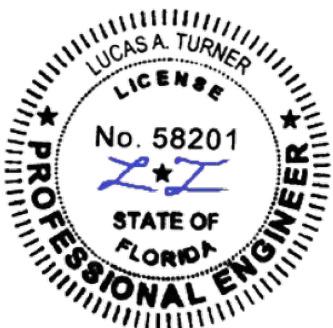
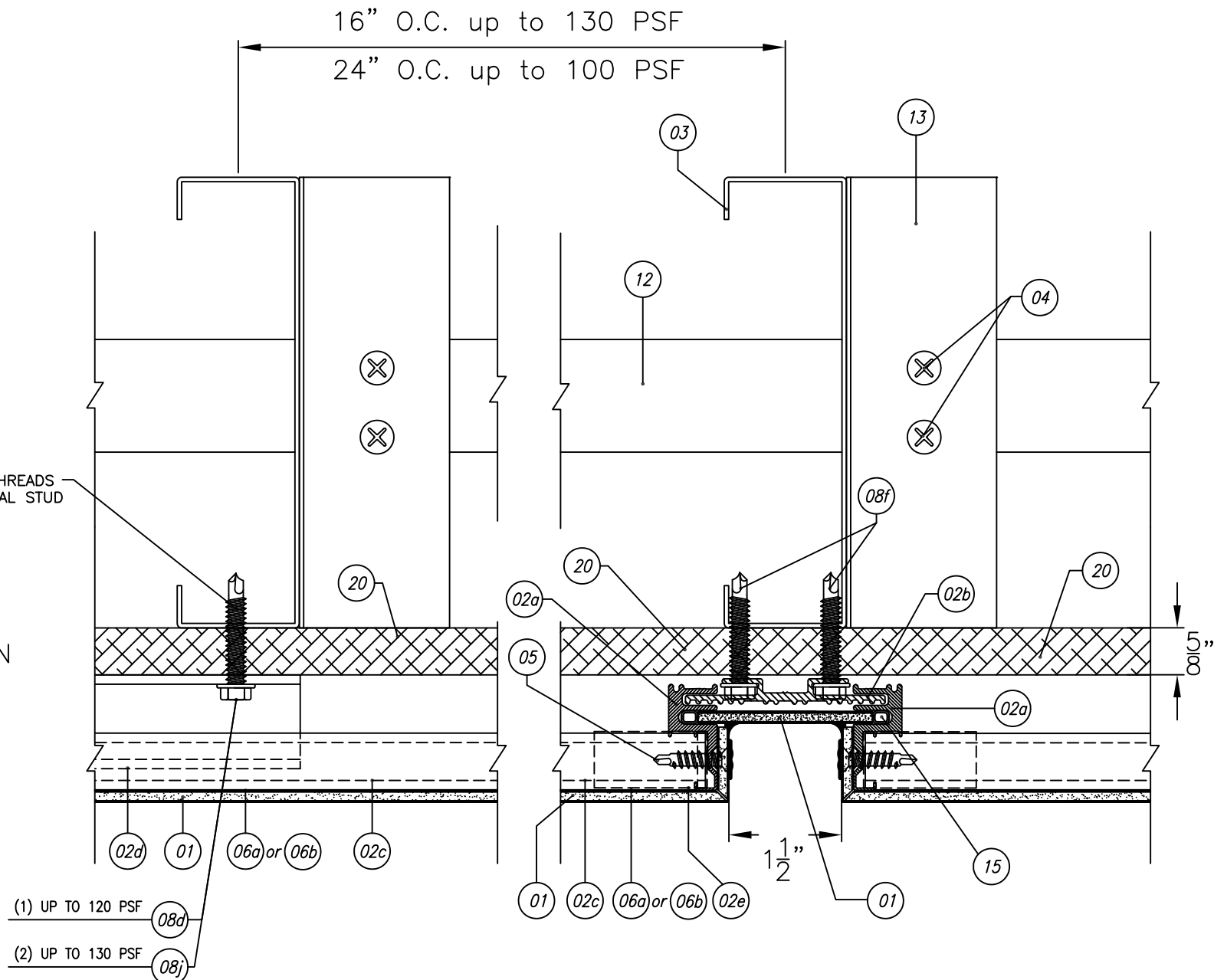
SECTION DETAIL  
TOP / BOTTOM



REYNOBOND® w/ FR BACKER SUPPORT OVER  
PLYWOOD 5/8"  
VERTICAL JOINT – 1-1/2" DRY  
NOTE: ALL JOINTS APPLY TO ANY BUILDING CONDITION



SECTION DETAIL  
RIGHT / LEFT



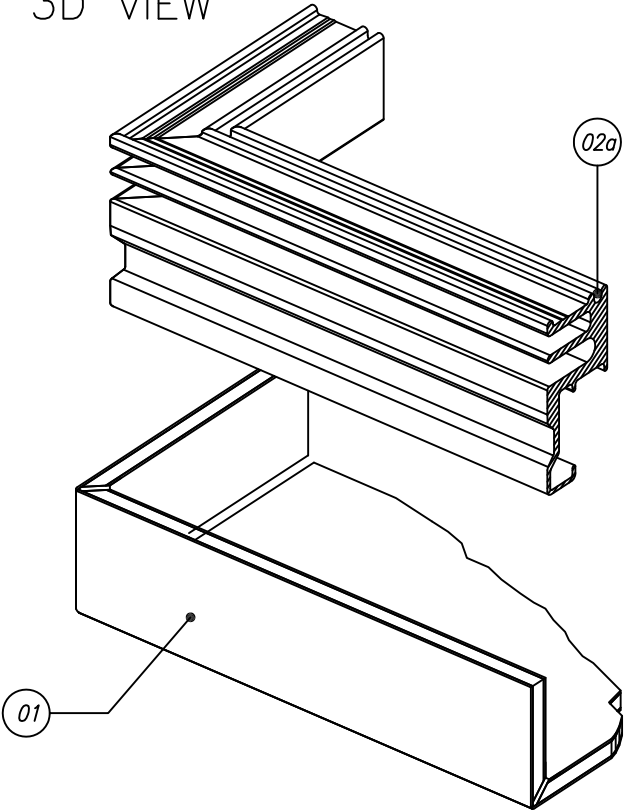
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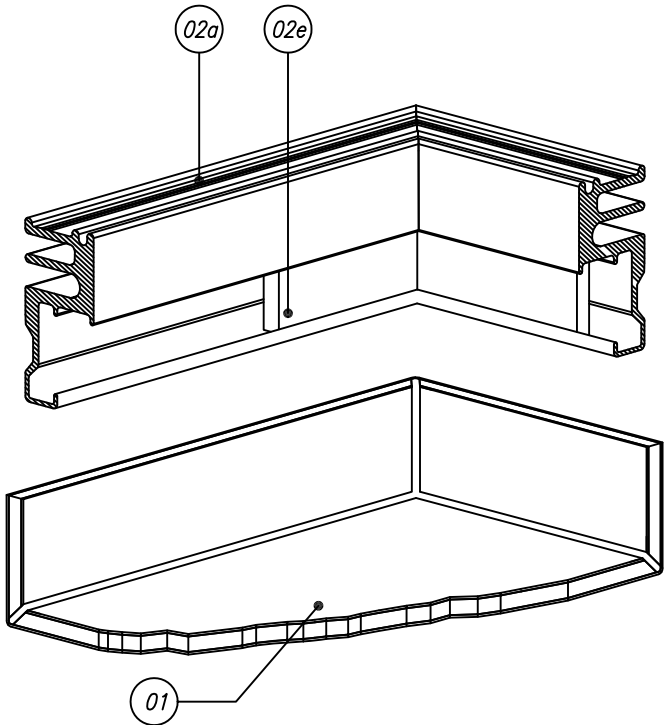
REYNOBOND® FR w/BACKER SUPPORTS: CMU, 7.2” RIB PANEL 20ga, 5/8” PLYWOOD.  
3D VIEW AND SECTIONS – CORNER (ONLY WET SEAL)

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3D VIEW AND SECTIONS – CORNER (ONLY DRY SEAL)

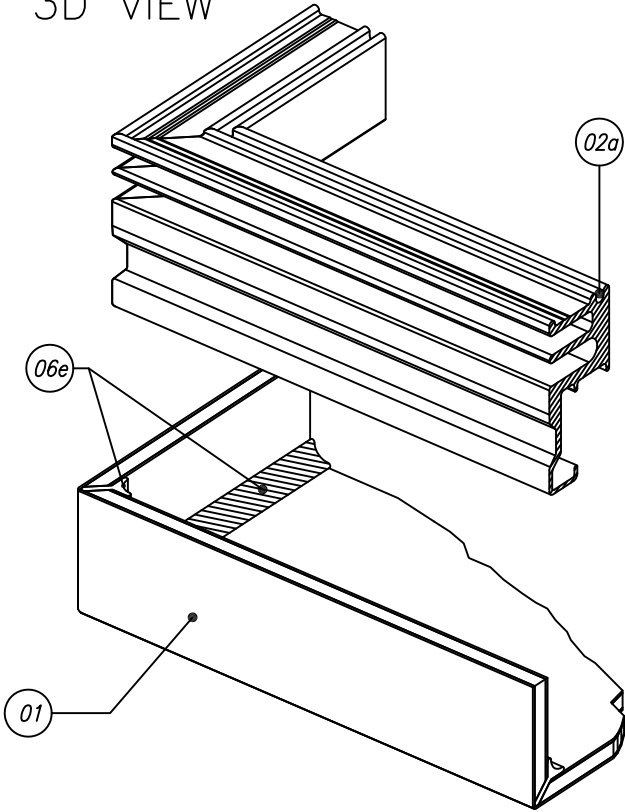
3D VIEW



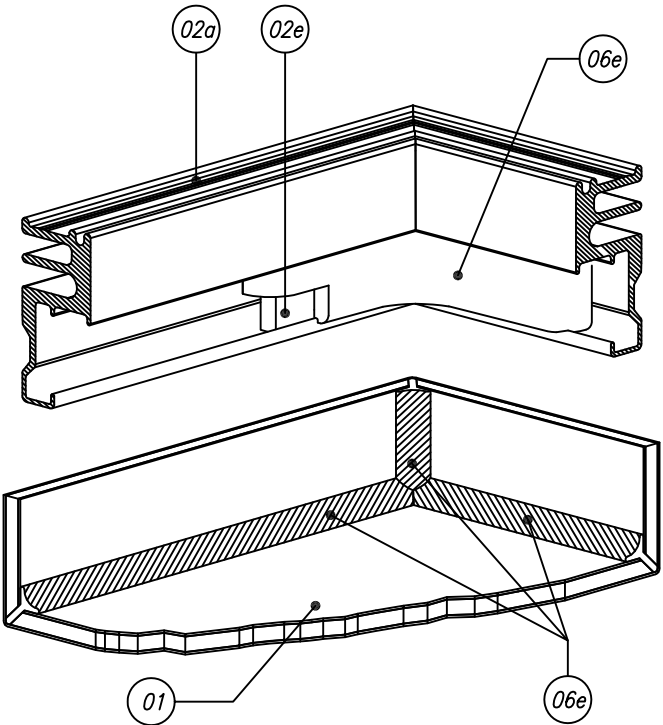
3D VIEW



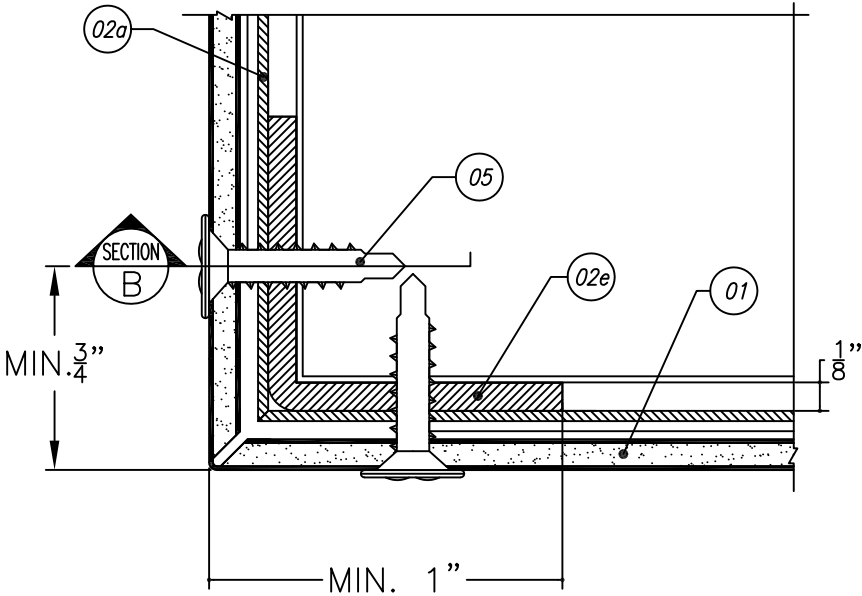
3D VIEW



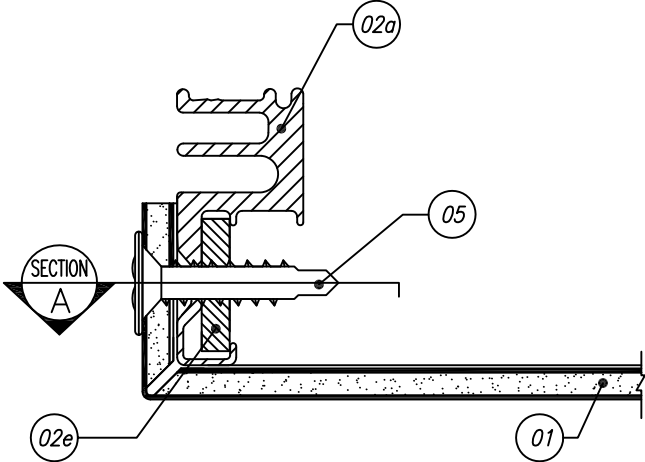
3D VIEW



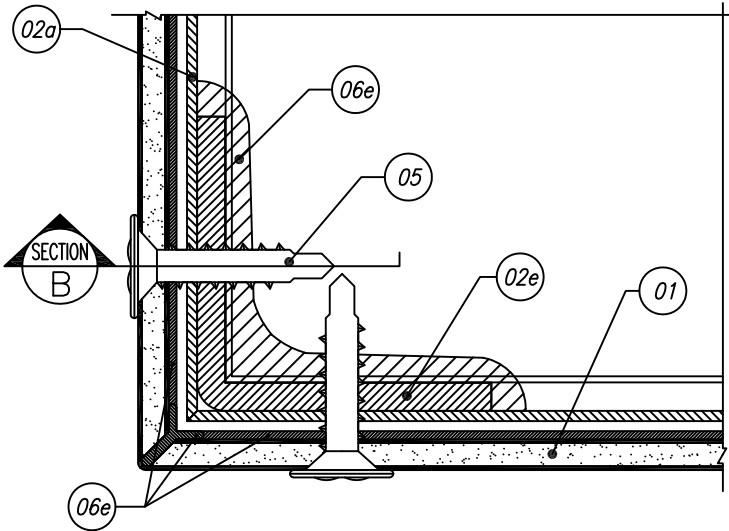
SECTION A



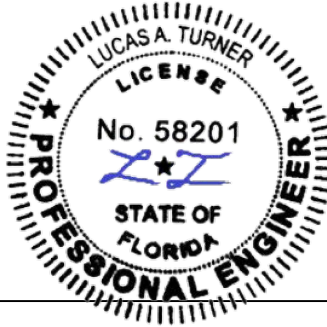
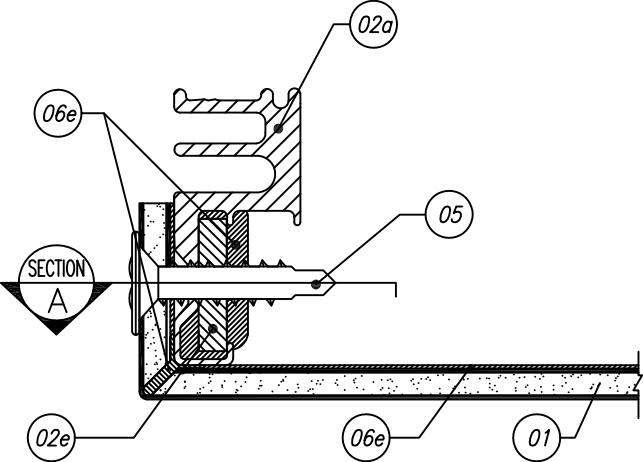
SECTION B



SECTION A



SECTION B



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3D VIEW, SECTIONS, CORNER FRAME, DRY & WET SEAL

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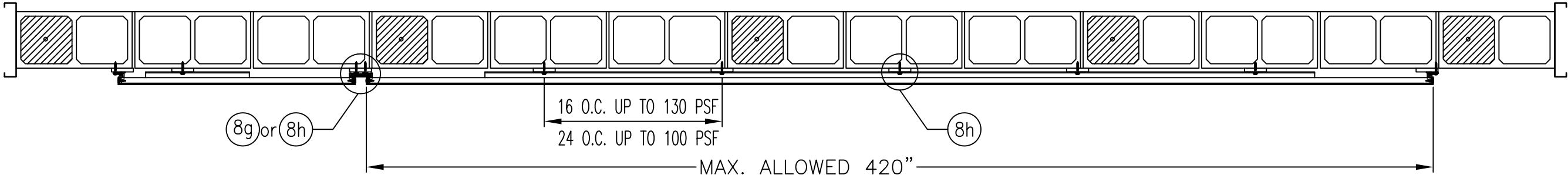
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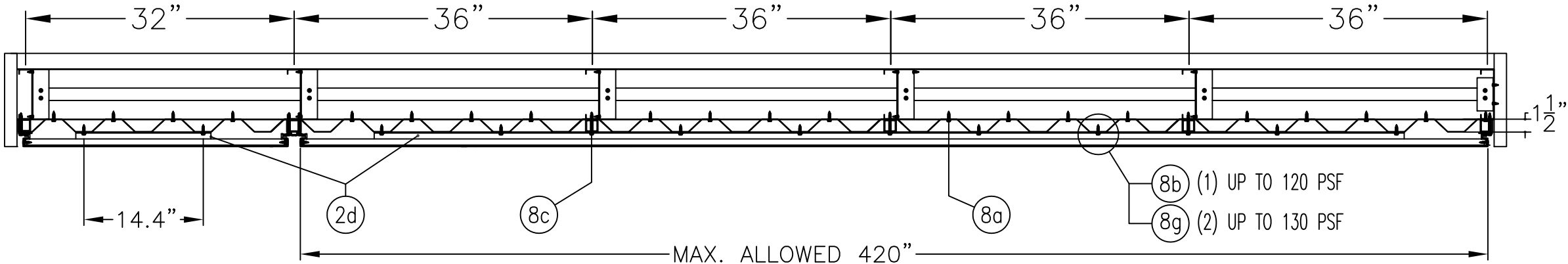
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RIB PANEL 20ga, PLYWOOD 5/8”.

HORIZONTAL SECTION

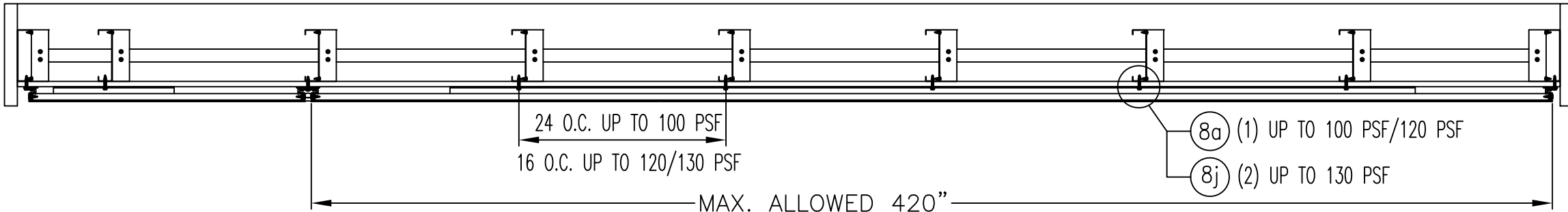
**A** REYNOBOND® FR w/BACKER SUPPORT OVER CMU or CONCRETE



**B** REYNOBOND® FR w/BACKER SUPPORT OVER 7.2” RIB PANEL 20ga



**C** REYNOBOND® FR w/BACKER SUPPORT OVER METAL STUD/ 5/8”PLYWOOD, OR REYNOBOND® NC OVER 5/8” GYPSUM



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ALL BUILDING CONDITIONS, DRY AND WET SEAL

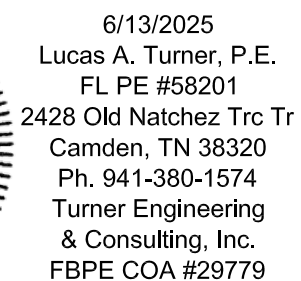
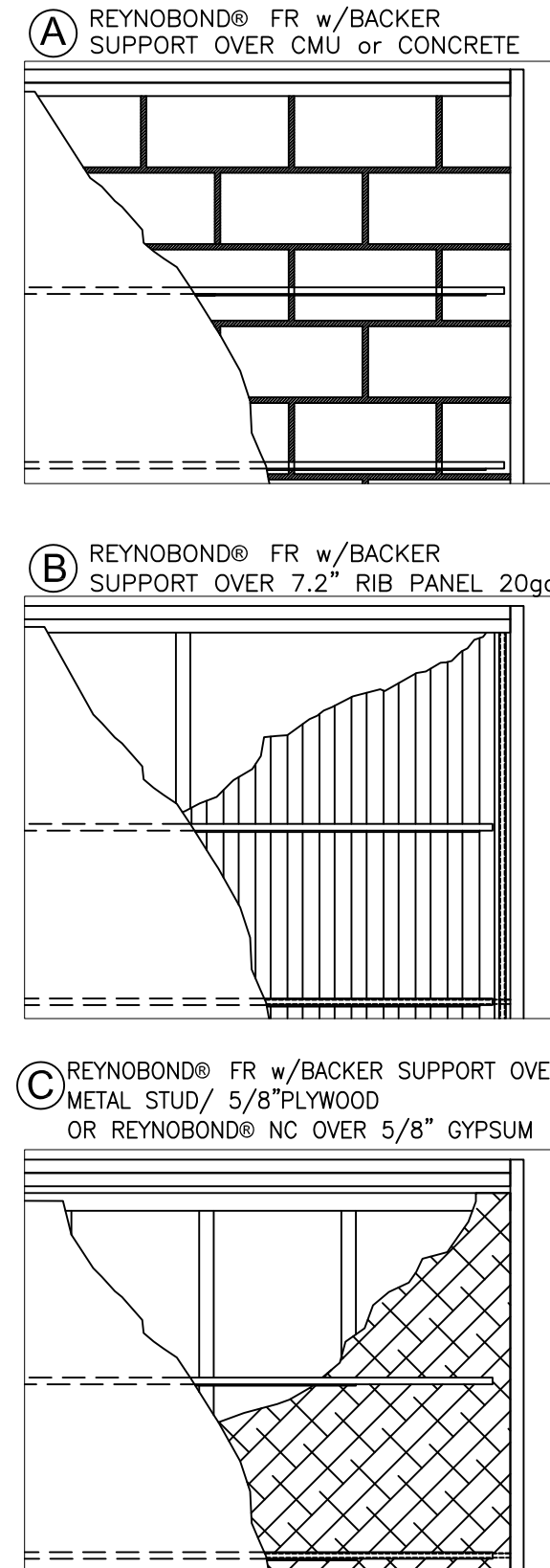
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PANEL ELEVATION



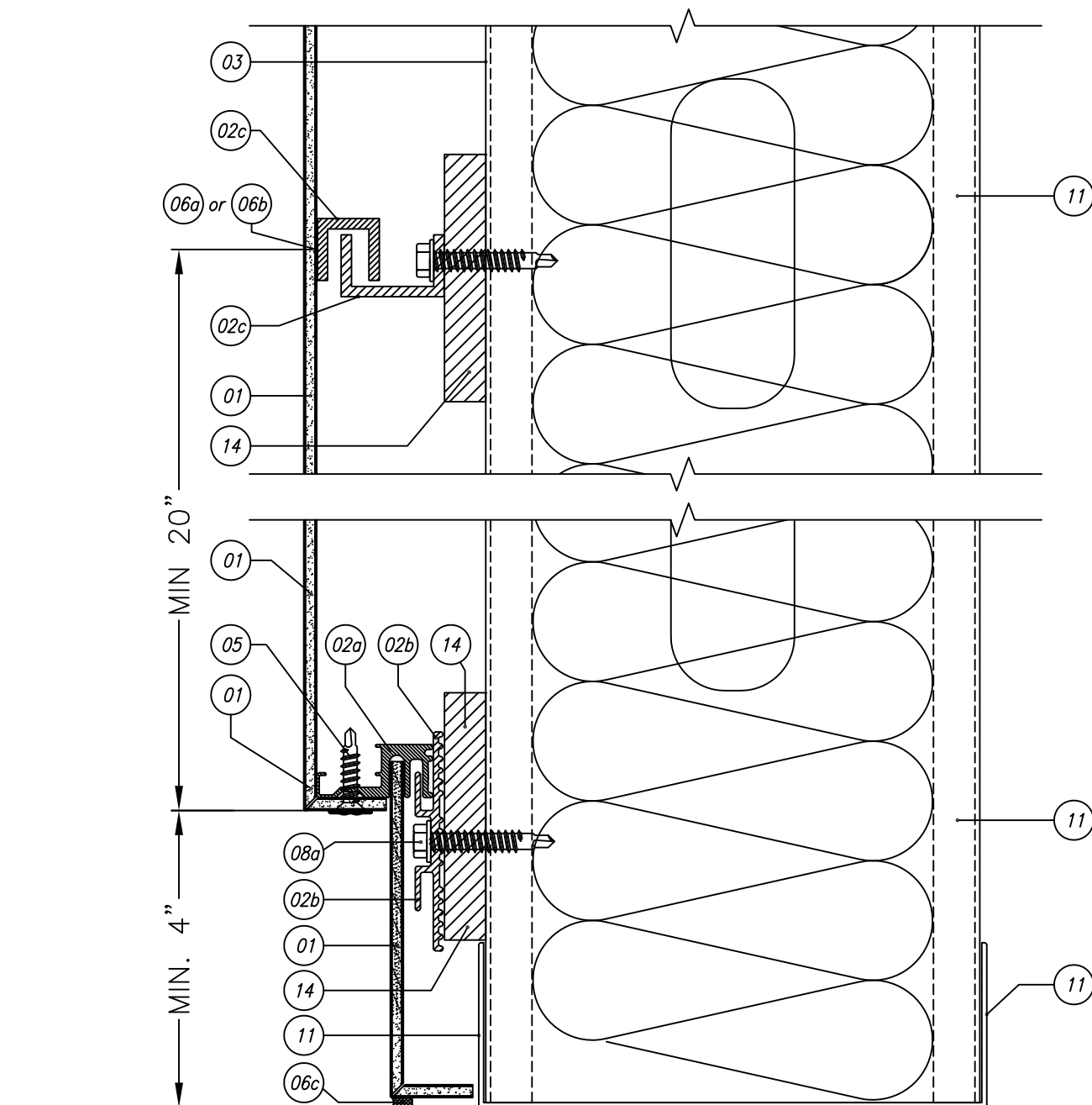
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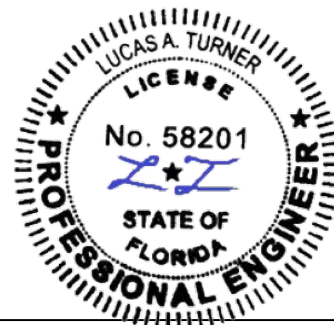
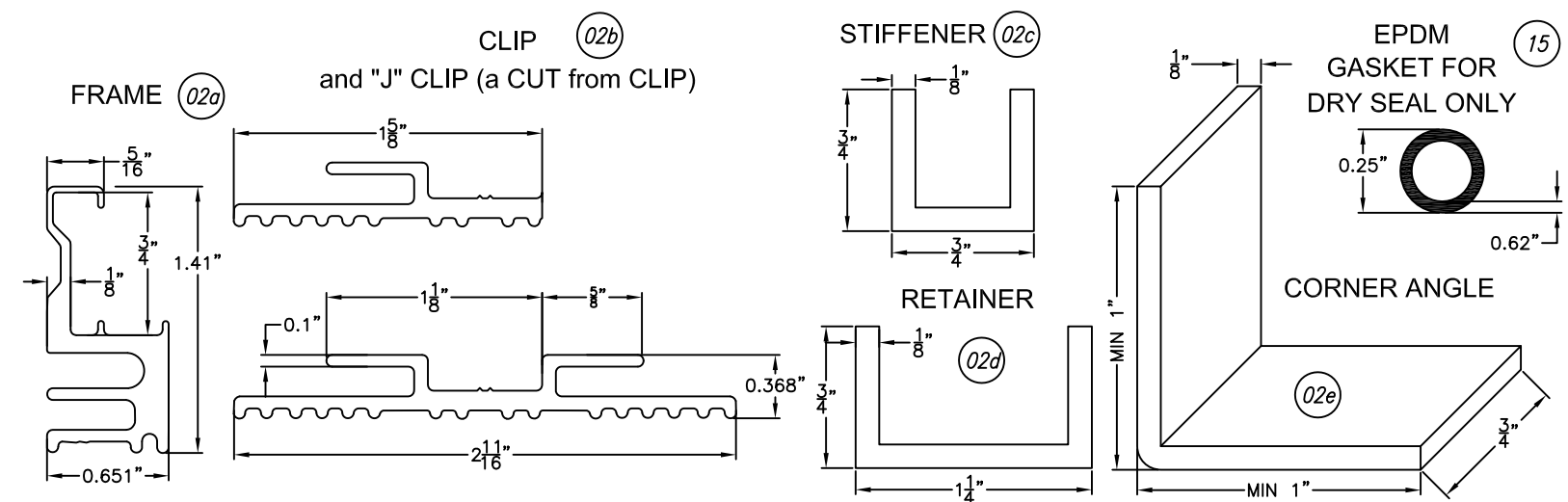
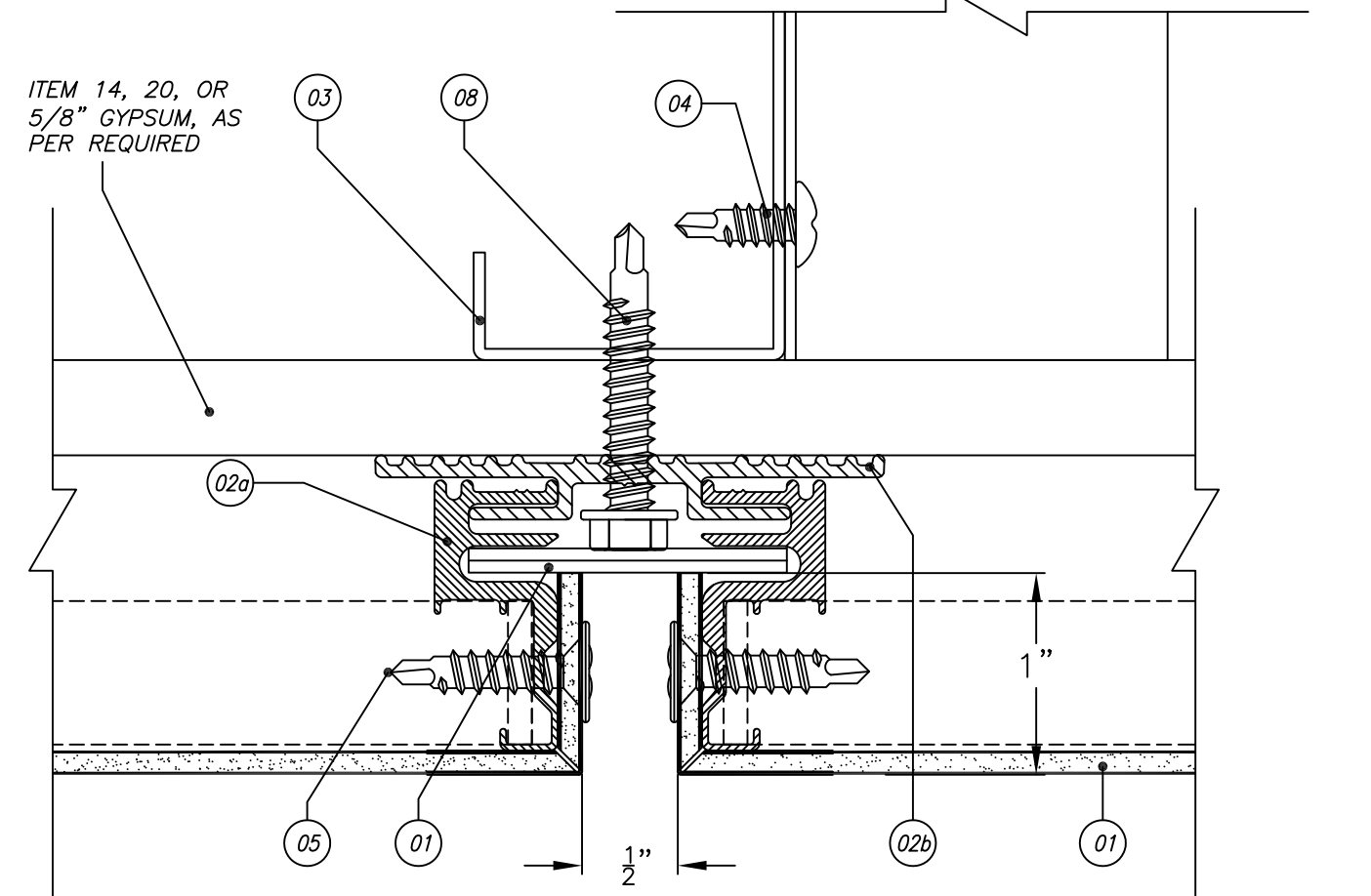
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13 SECTION DETAIL  
TOP / BOTTOM



14 SECTION DETAIL



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