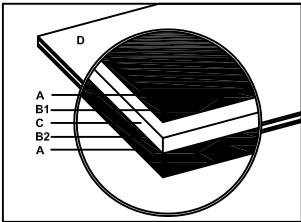


GENERAL NOTES:

These Reynobond® composite panels shall be used for wall, soffit, canopy or fascia construction, or as cladding system. This system has been tested and designed in compliance with the Florida Building Code 8th Edition (2023). Each actual wall project shall be constructed using the details shown on these drawings as minimum required specifications. Panels can run horizontal or vertical (steel metal frame application must be 90 degree to the stiffener/retainer).

- A - METAL SKIN
- B1 - B2 - TIE LAYER BETWEEN SKIN AND CORE
- C - CORE POLYMERIC COMPOUND (FR - Fire Retardant)
- D - FINISH - Reverse Roll Coated Paint



BILL OF MATERIALS

1. PANEL MATERIAL:

Reynobond® metal composite material 4 mm thick as manufactured by ARCONIC Architectural Products.
a) FR ALUMINUM PANEL SKIN THICKNESS 0.020" ALUMINUM ALLOY

2. ALUMINUM EXTRUSIONS:

- Aluminum alloy 6063 - T6 Temper, mill finish as manufactured by ARCONIC or others.
- a) FRAME (CONTINUOUS)
- b) CLIP (CONTINUOUS)
- c) STIFFENER (CONTINUOUS, max. 2 unit per panel all length @max 20" O.C.spacing)
- d) RETAINER (CONTINUOUS)
- 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. (Calculations must be provided by professional 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 screw at 16" O.C. 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 wet seal do not apply)
- f) Where water intrusion is not required the system can be used as rain screen
No weather silicone will be required - B.O.M. # 06c, # 06d, # 06e, # 07a, # 15
Use stainless steel screw recommended 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 STEEL SUBSTRATE FASTENER (as needed)

- a) # 14 - HEX WASHER HEAD - 1 1/2" - DRILL POINT galvanized TEK Steel or equivalent
NOTE: Where two screws are required per location, maintain min. 3/4" on center spacing.

SCREW CHART AND SCHEDULE

Reynobond Product	Substrate Backer	Stud Spacing	Max Screw Spacing	Design Presure PSF	Impact Rating	Building Applicability
Reynobond FR Aluminum	Metal Stud 24" O.C. NO Backer Required	24" OC	(1) 24" OC	100	Small	Above 30 Feet Only
			(1) 16" OC	120		
	Metal Stud 16" O.C. NO Backer Required	16" OC	(2) 16" OC	130		

9. TRACK TO WOOD FRAME FASTENER. 5/16" x 2.5" galvanized steel LAG screw with washer at 12" O.C. MAX.

10. SOUTHERN YELLOW PINE MINIMUM.

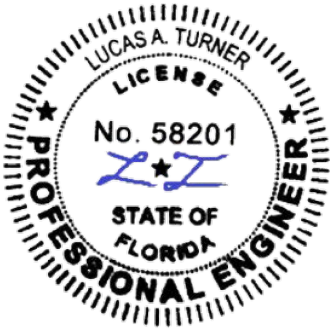
11. METAL TRACK 16ga galvanized steel or painted (per applicable codes to prevent corrosion) with minimum properties of 50 Ksi yield, 65 Ksi ultimate.

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, 2" leg dimensions. (Bridge Clip or equal).

14. SHIMS Standard glazing shims as needed.

15. Uni-Grip ¼" neoprene hollow gasket.



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BILL OF MATERIALS
DESIGN PRESSURES

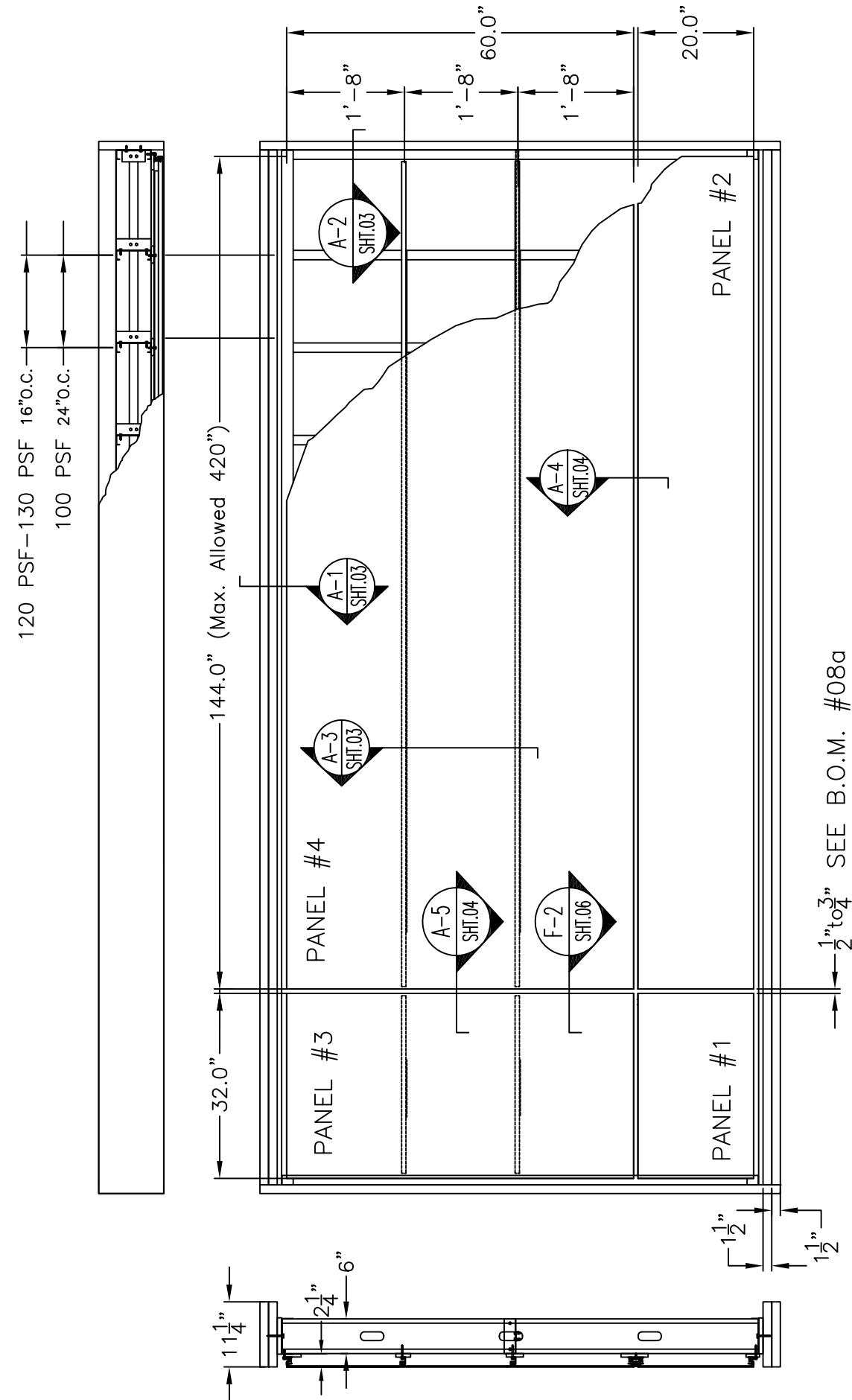
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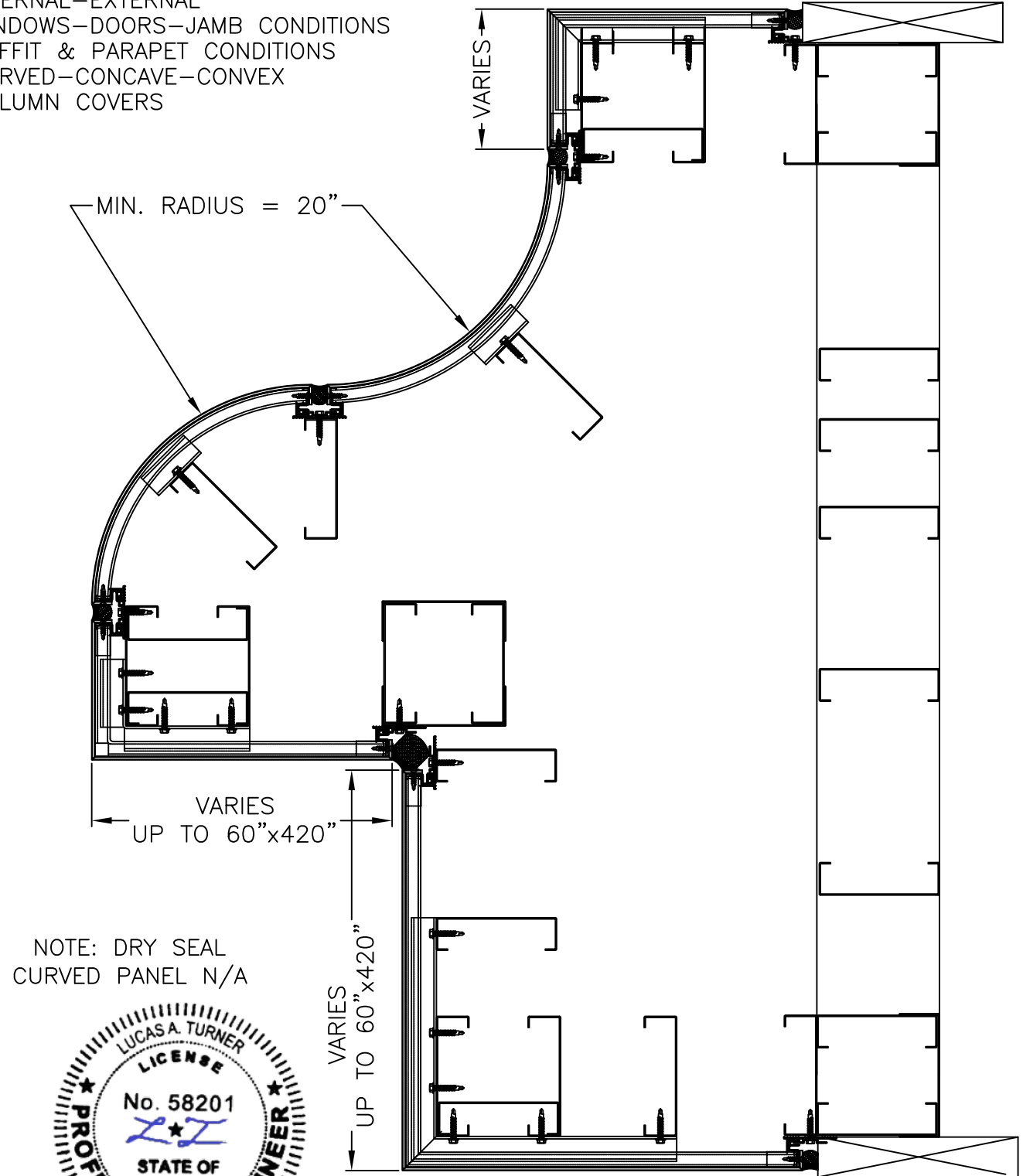
SHEET:

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NTS

REYNOBOND®
CORNER CONDITIONS
INTERNAL-EXTERNAL
WINDOWS-DOORS-JAMB CONDITIONS
SOFFIT & PARAPET CONDITIONS
CURVED-CONCAVE-CONVEX
COLUMN COVERS

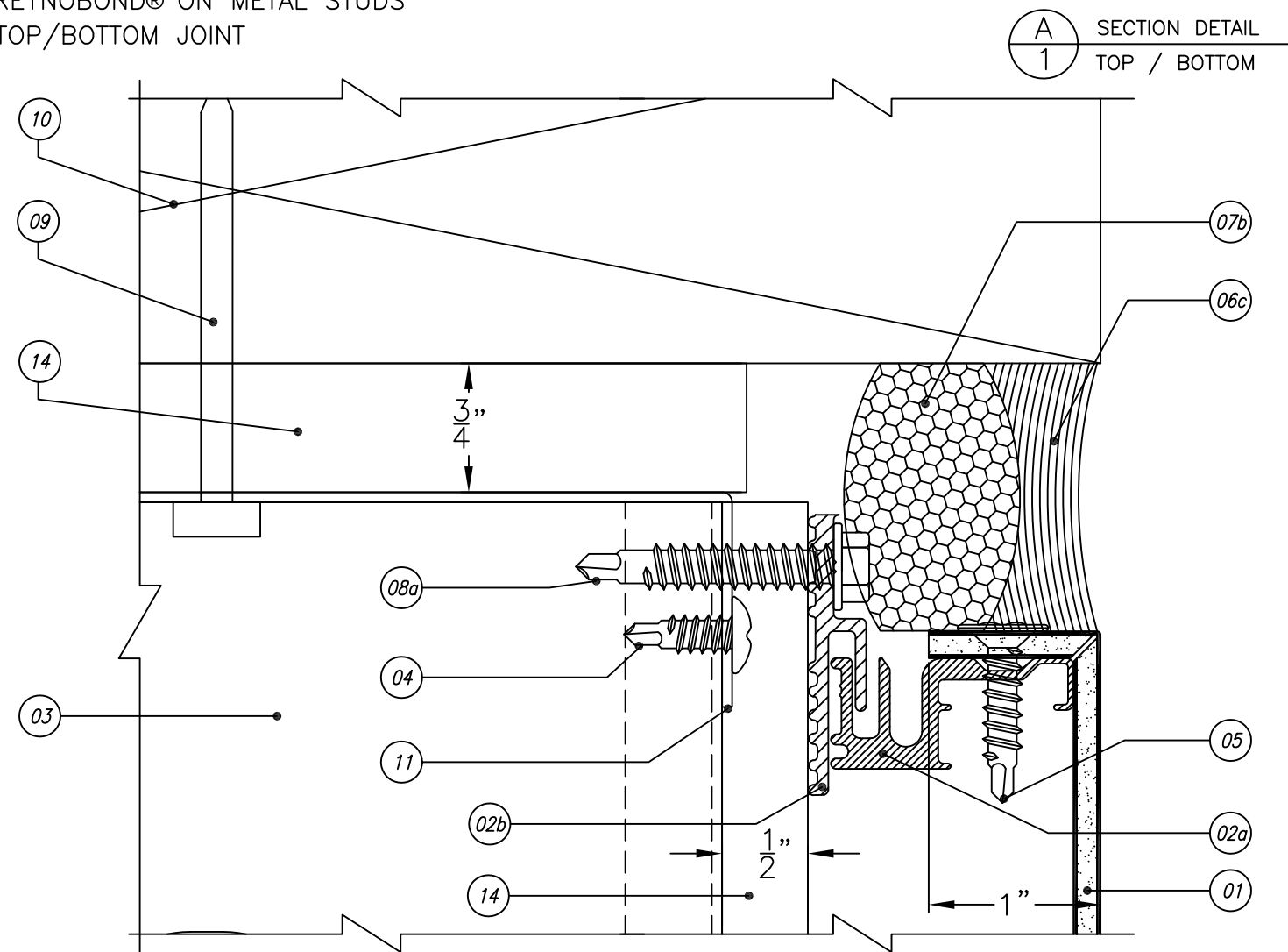
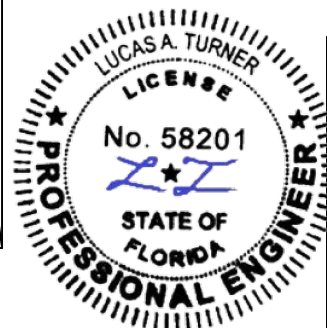
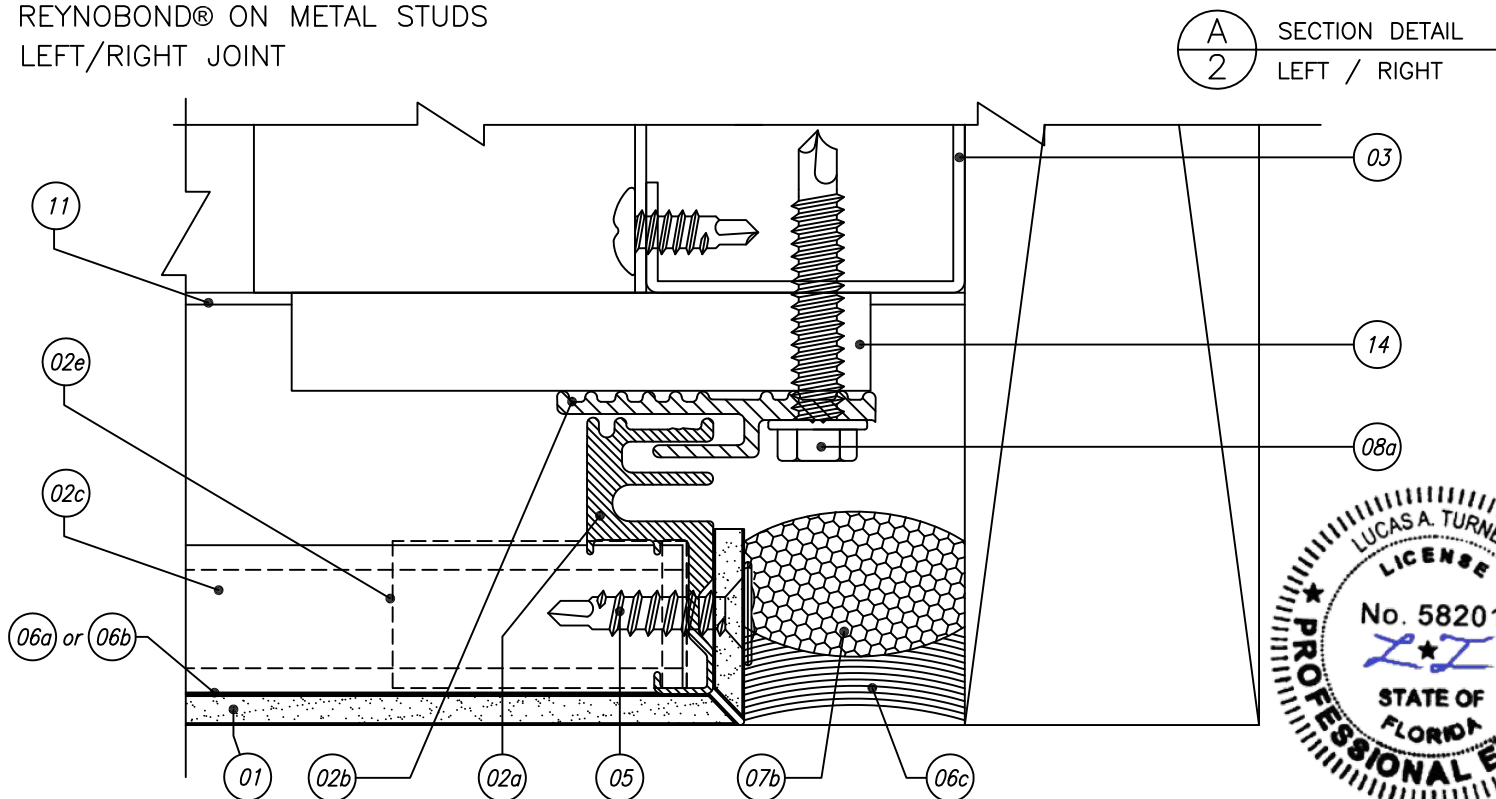


NOTE: DRY SEAL
CURVED PANEL N/A

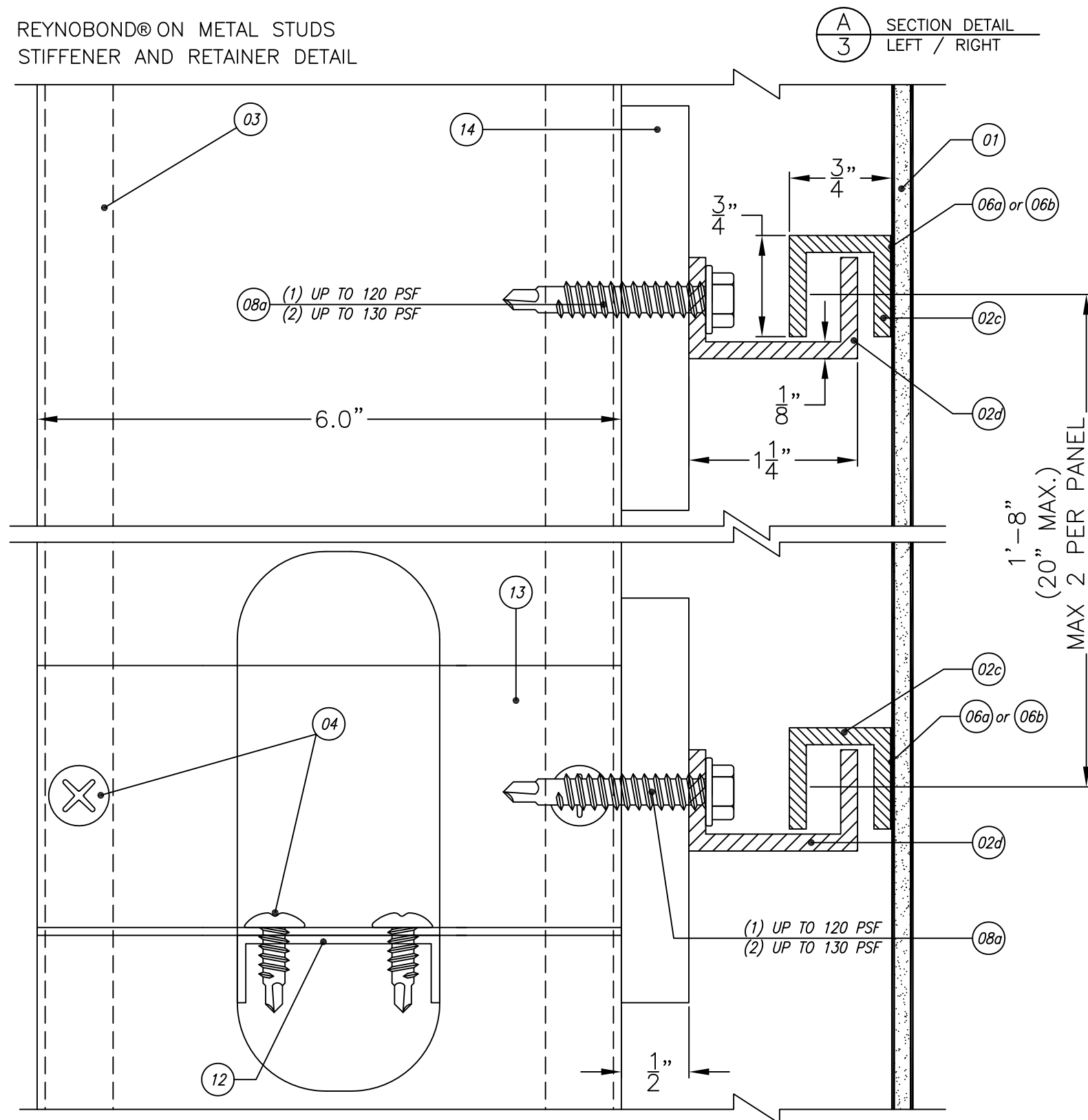


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			02 OF 07

REYNOBOND® ON METAL STUDS
TOP/BOTTOM JOINT

REYNOBOND® ON METAL STUDS
LEFT/RIGHT JOINT

REYNOBOND® ON METAL STUDS STIFFENER AND RETAINER DETAIL



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SECTION DETAIL
STIFFENER AND RETAINER DETAIL OVER METAL STUDS

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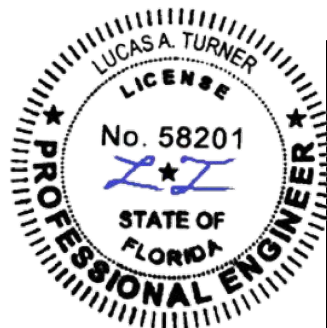
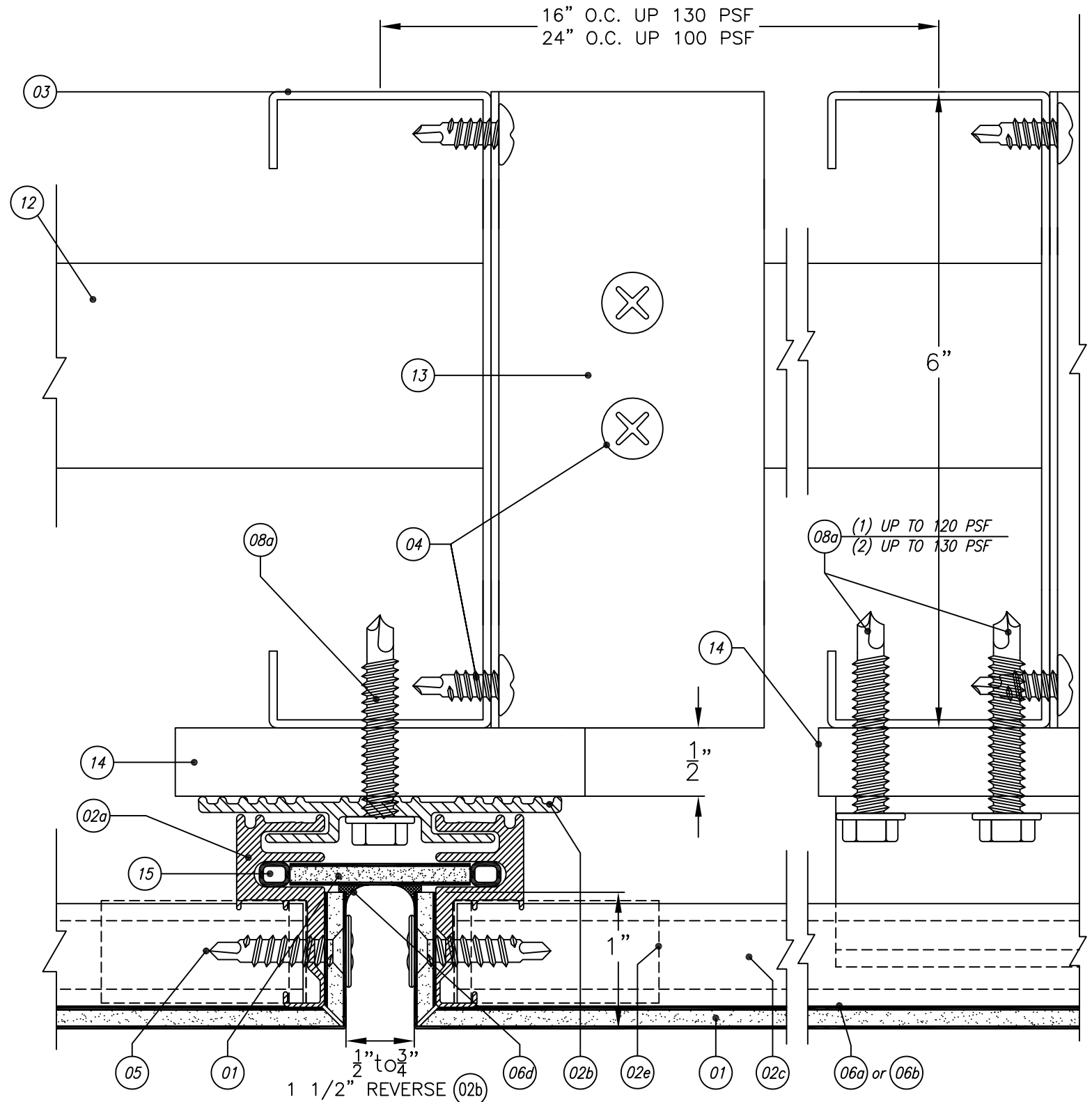
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SECTION DETAIL
LEFT / RIGHT



SECTION DETAIL
LEFT / RIGHT



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HORIZONTAL WET JOINT ON METAL STUD
VERTICAL DRY JOINT ON METAL STUD

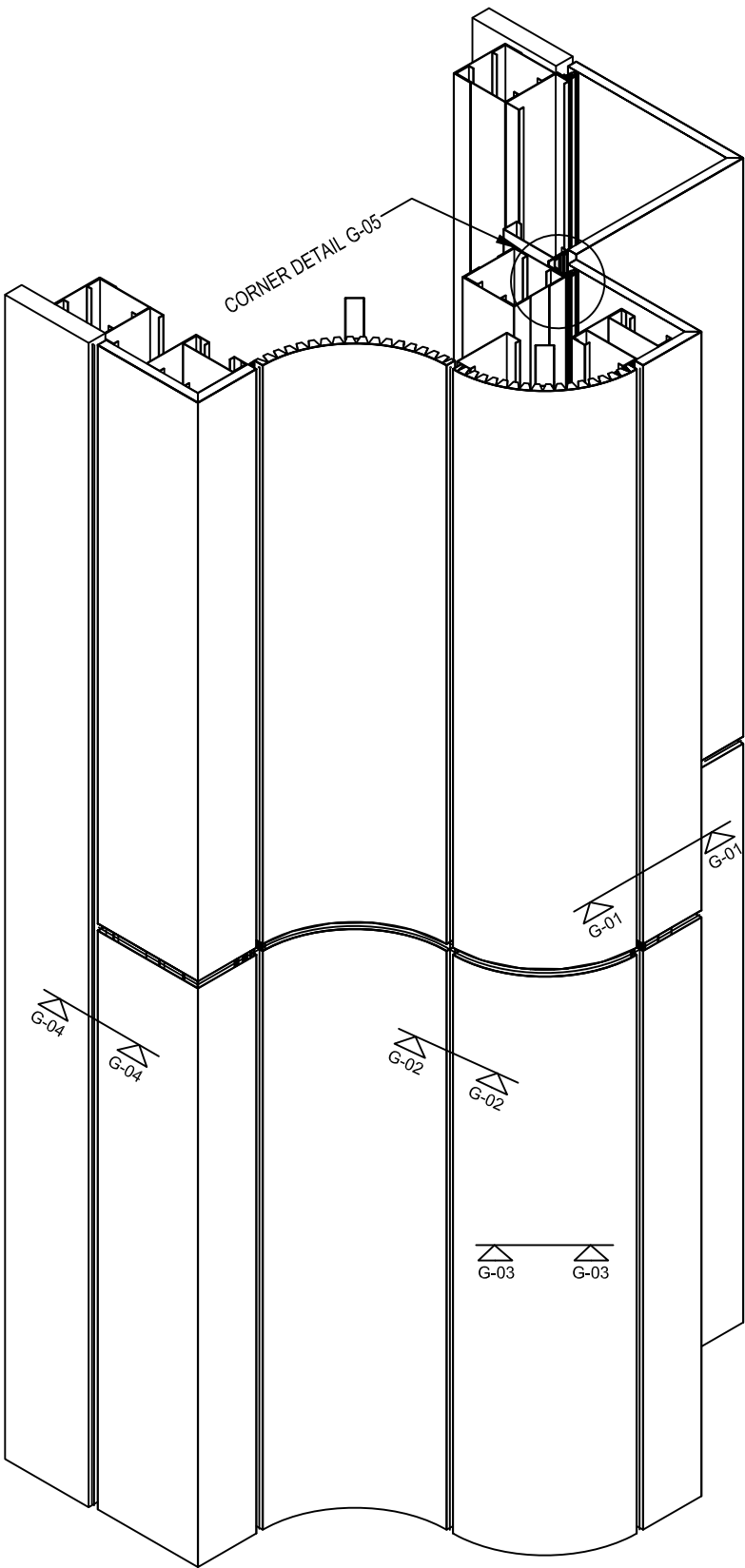
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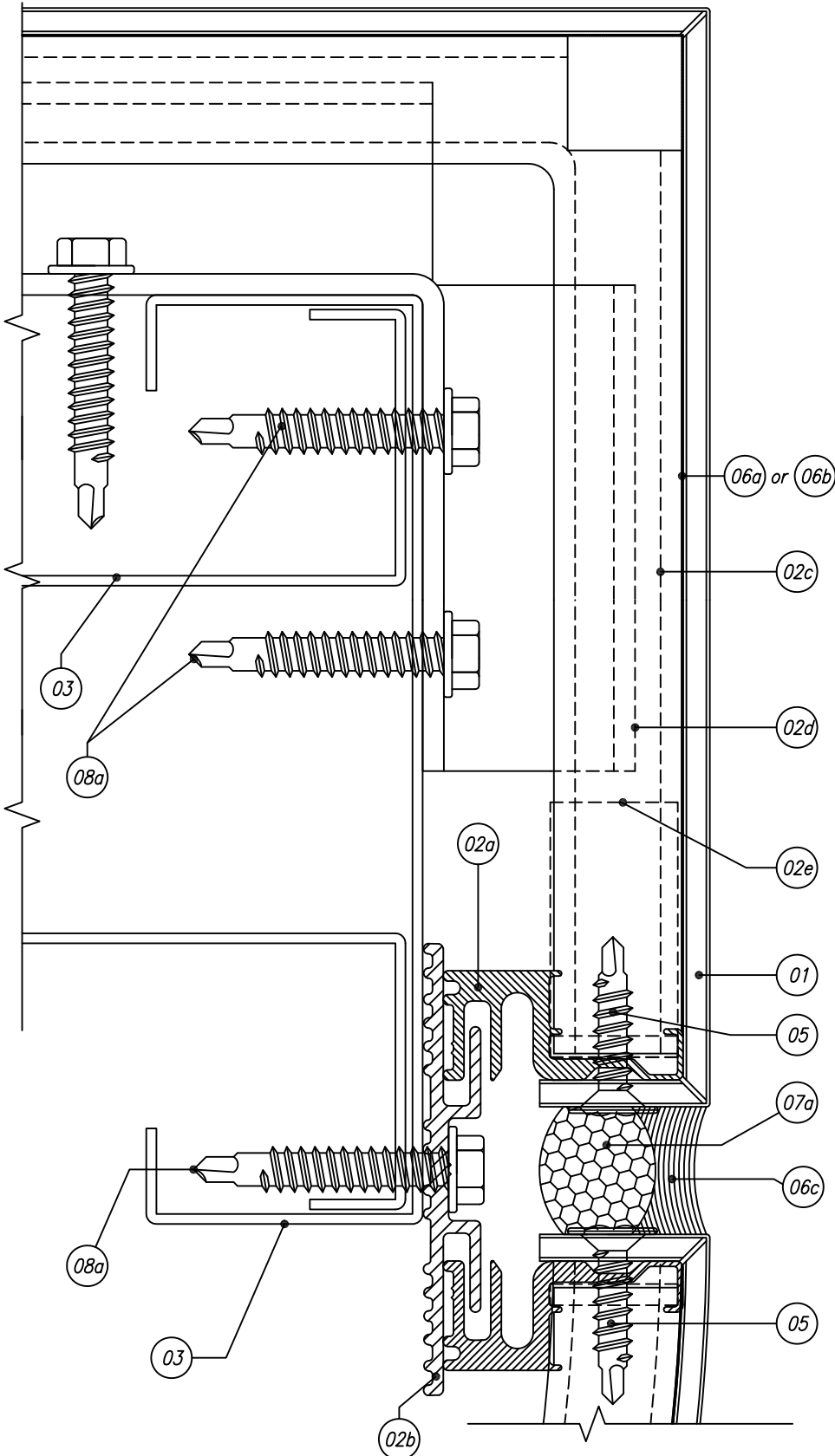
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REYNOBOND®
CURVED PANEL & CORNER
APPLICATION



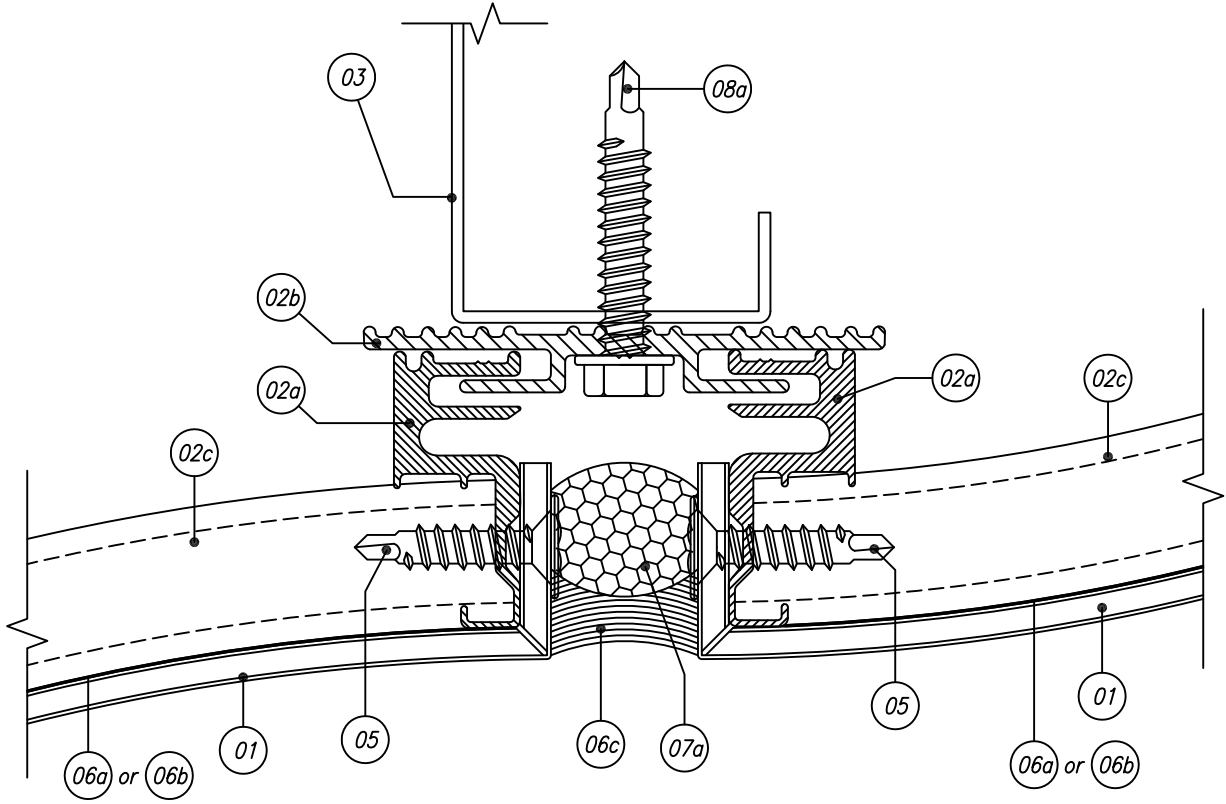
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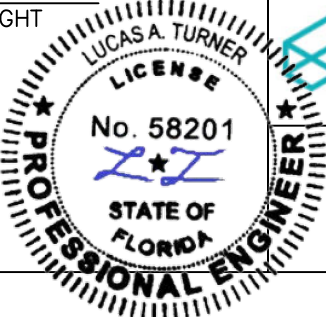
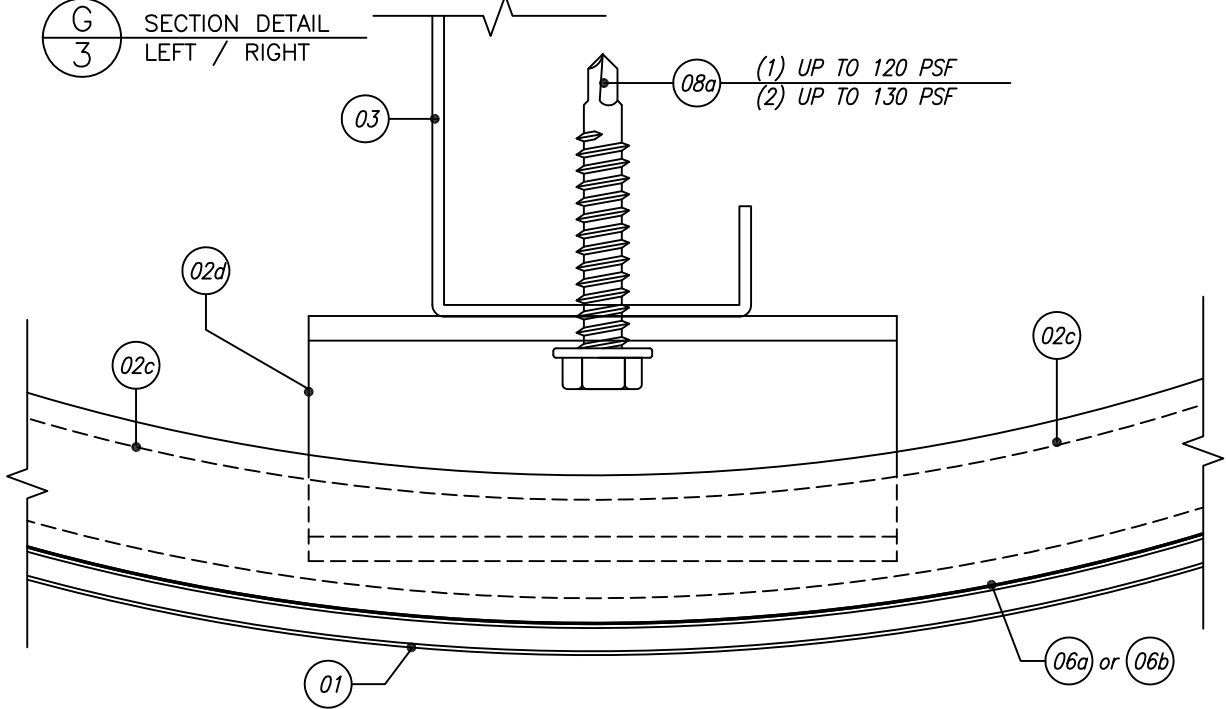
G
1 SECTION DETAIL
LEFT / RIGHT

SCALE: NTS

G
2 SECTION DETAIL
LEFT / RIGHT



G
3 SECTION DETAIL
LEFT / RIGHT



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REYNOBOND®
CURVED PANEL ELEVATION AND JOINT DETAILS

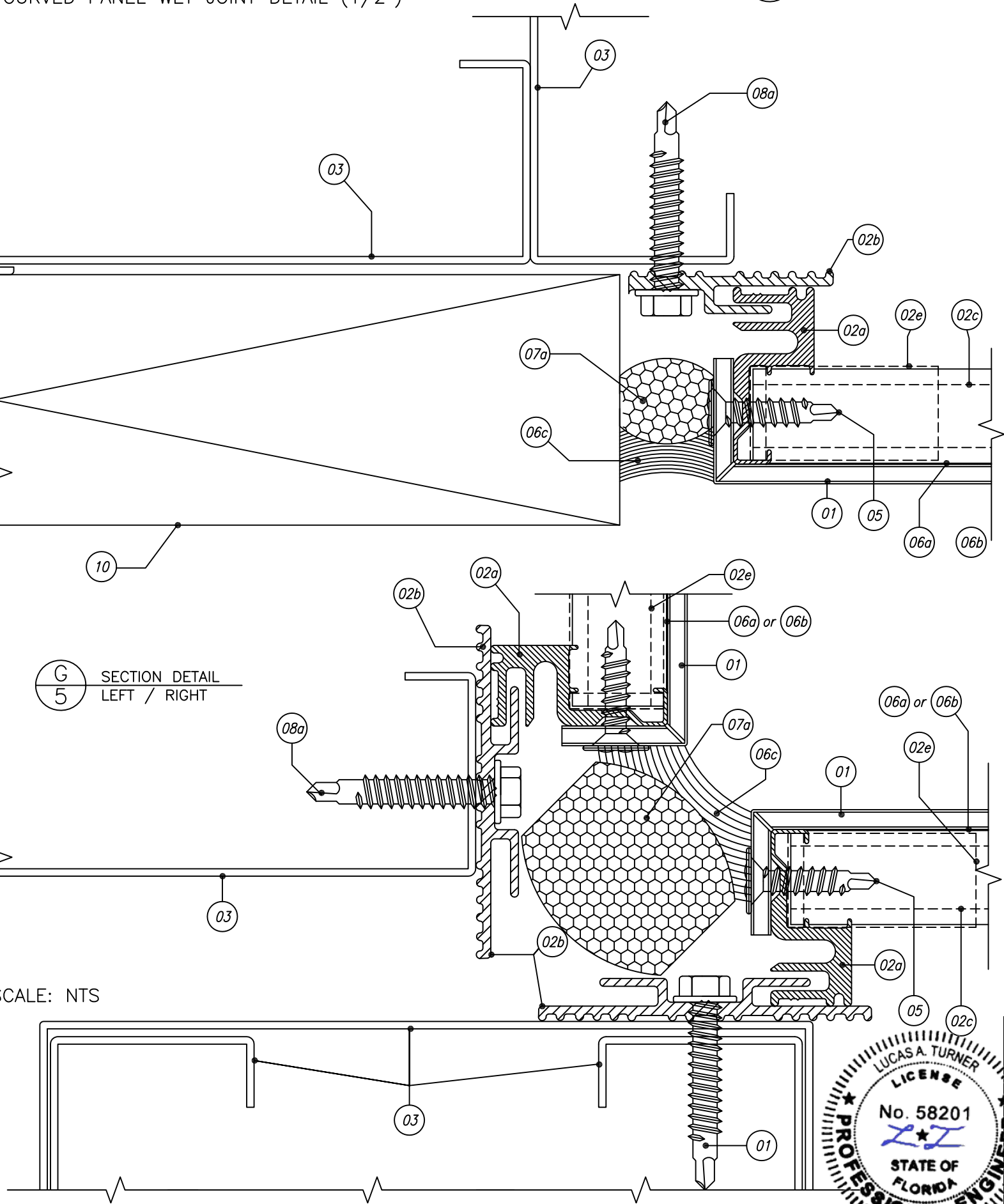
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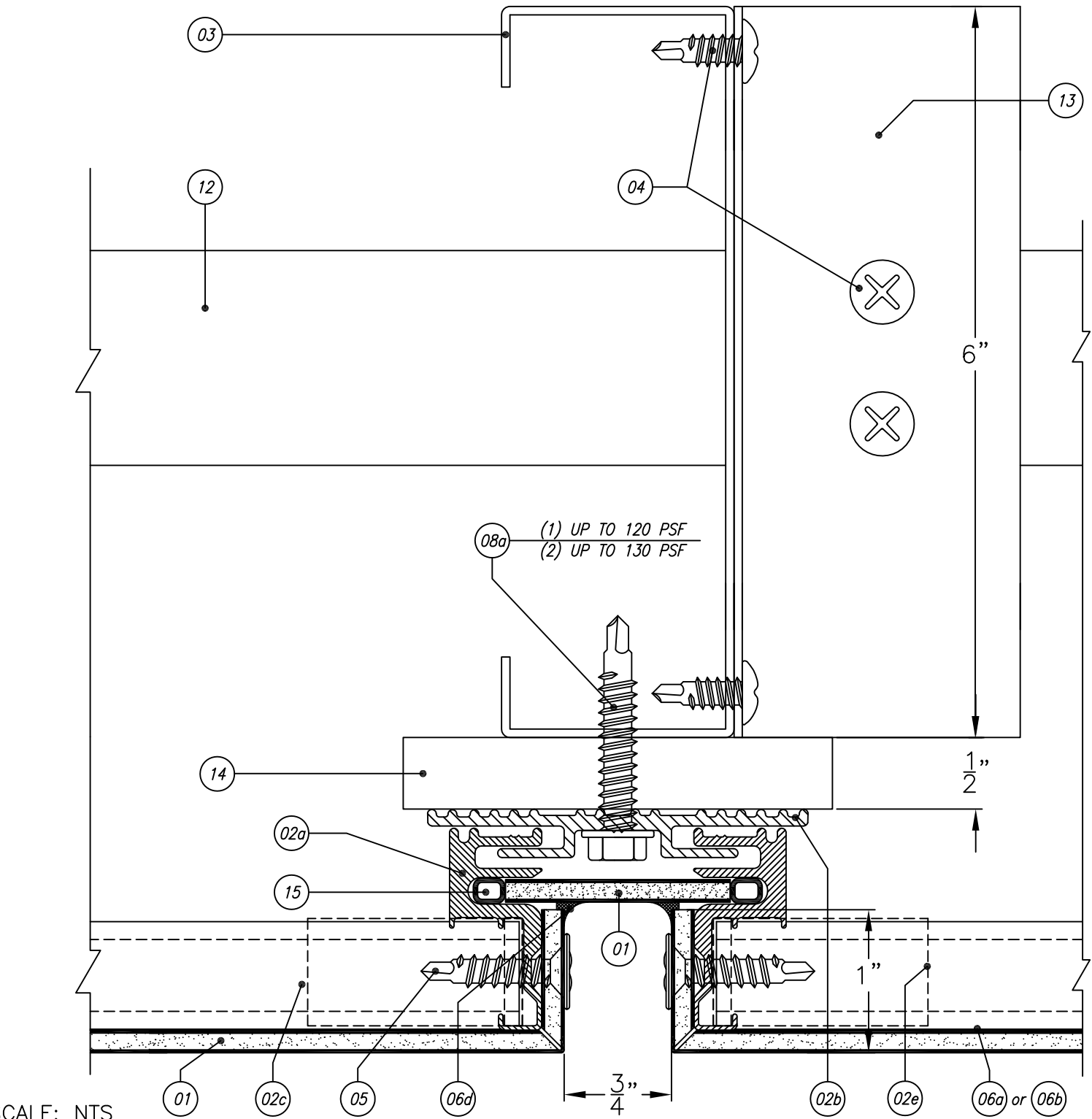
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CURVED PANEL WET JOINT DETAIL (1/2")

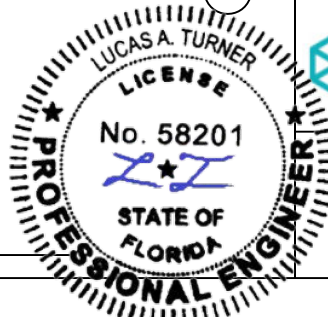


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STRAIGHT PANEL HORIZONTAL DRY JOINT DETAIL (3/4")



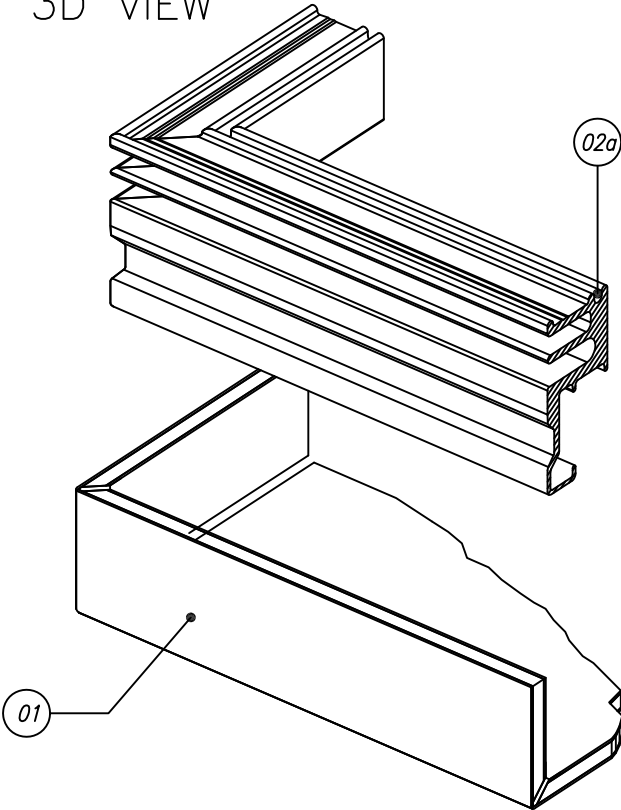
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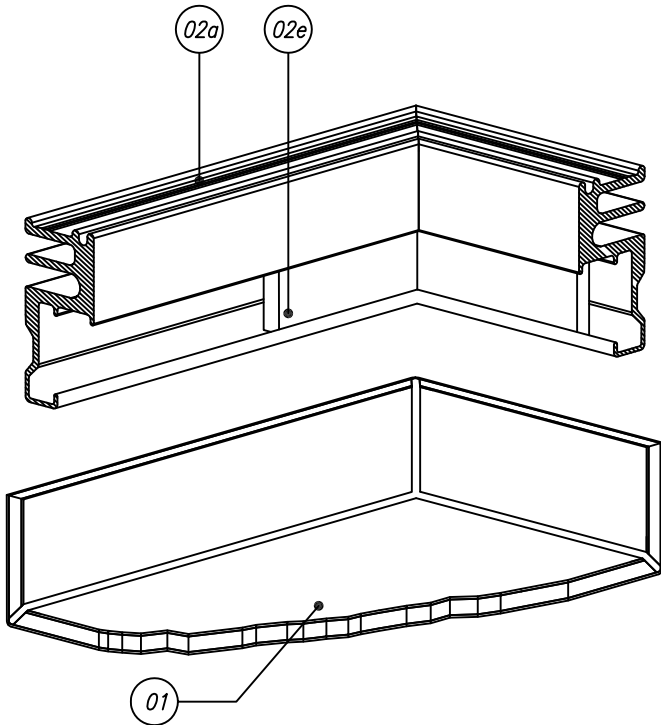


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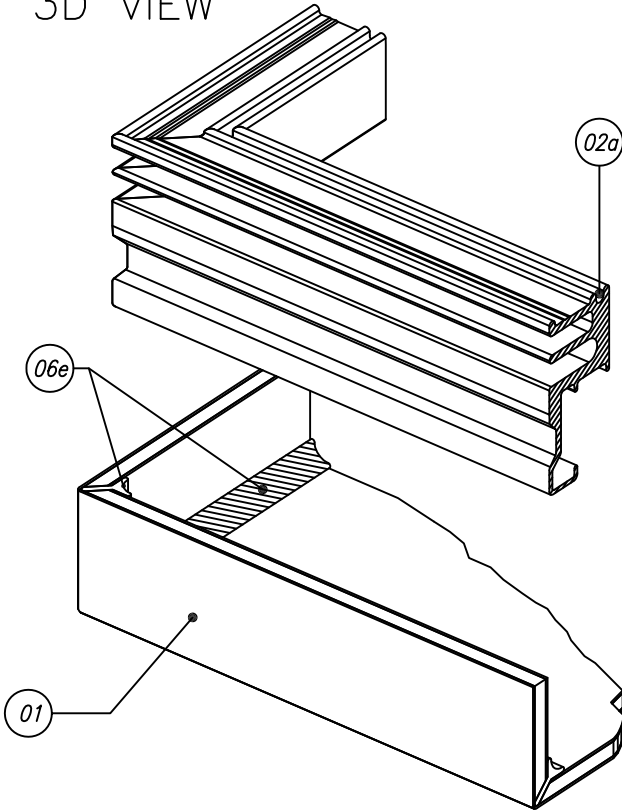
3D VIEW



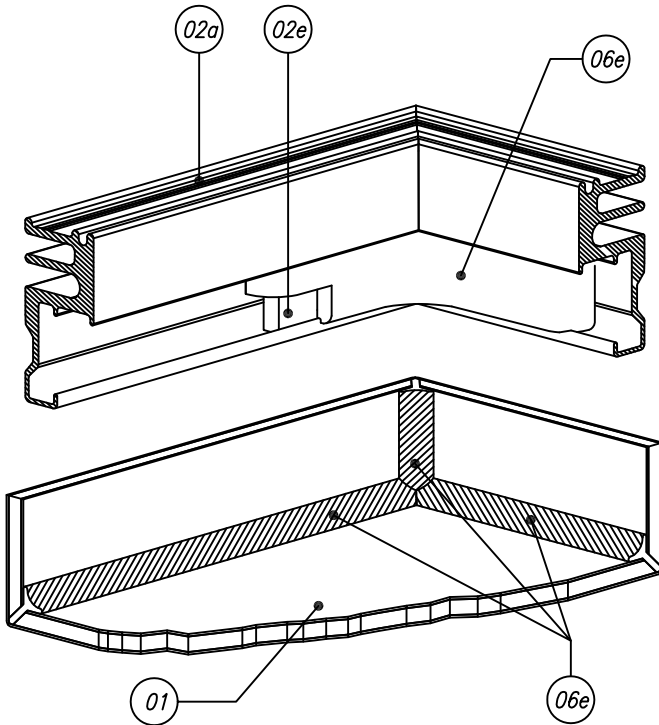
3D VIEW



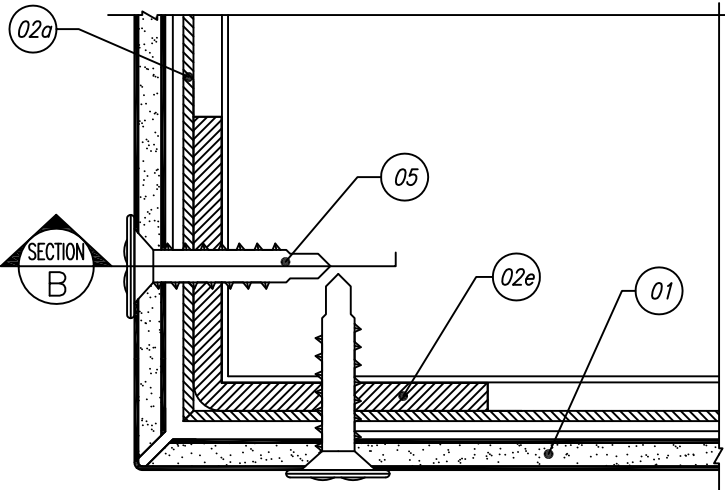
3D VIEW



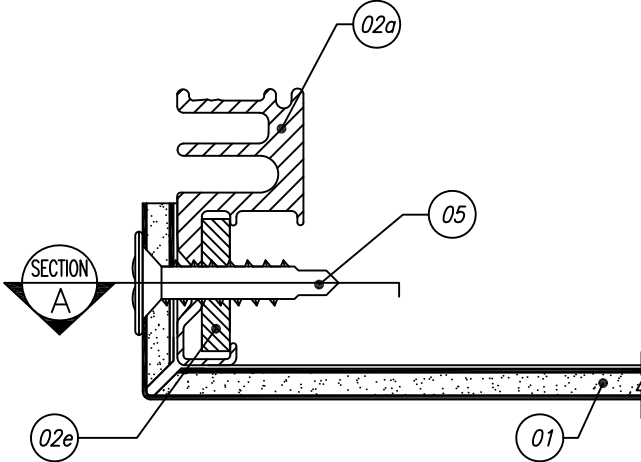
3D VIEW



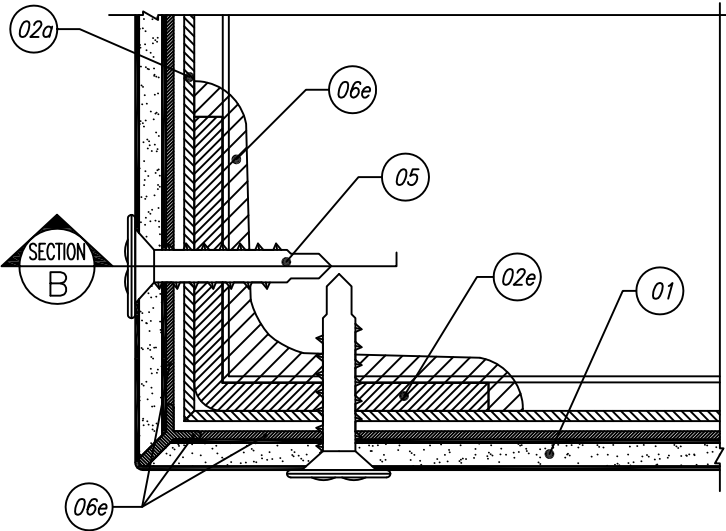
SECTION A



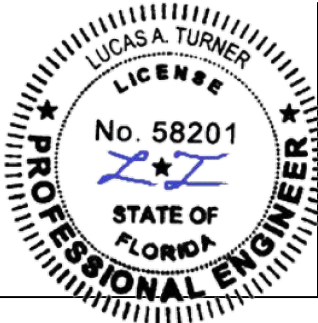
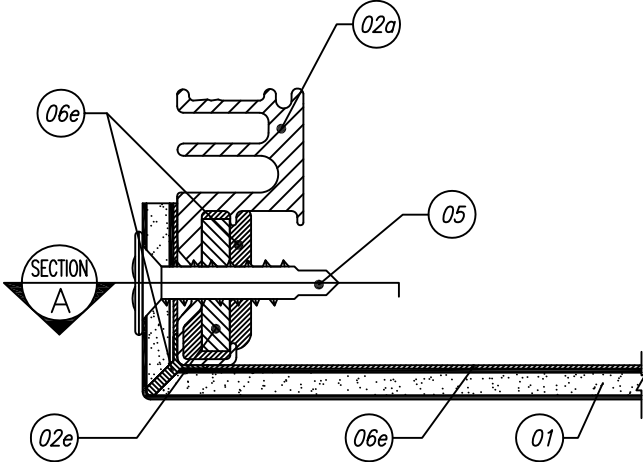
SECTION B



SECTION A



SECTION B



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REYNOBOND®
3D VIEW AND SECTIONS – CORNER FRAME DETAIL
DRY AND WET SEAL

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