



## MITREX / CLADIFY

41 RACINE ROAD

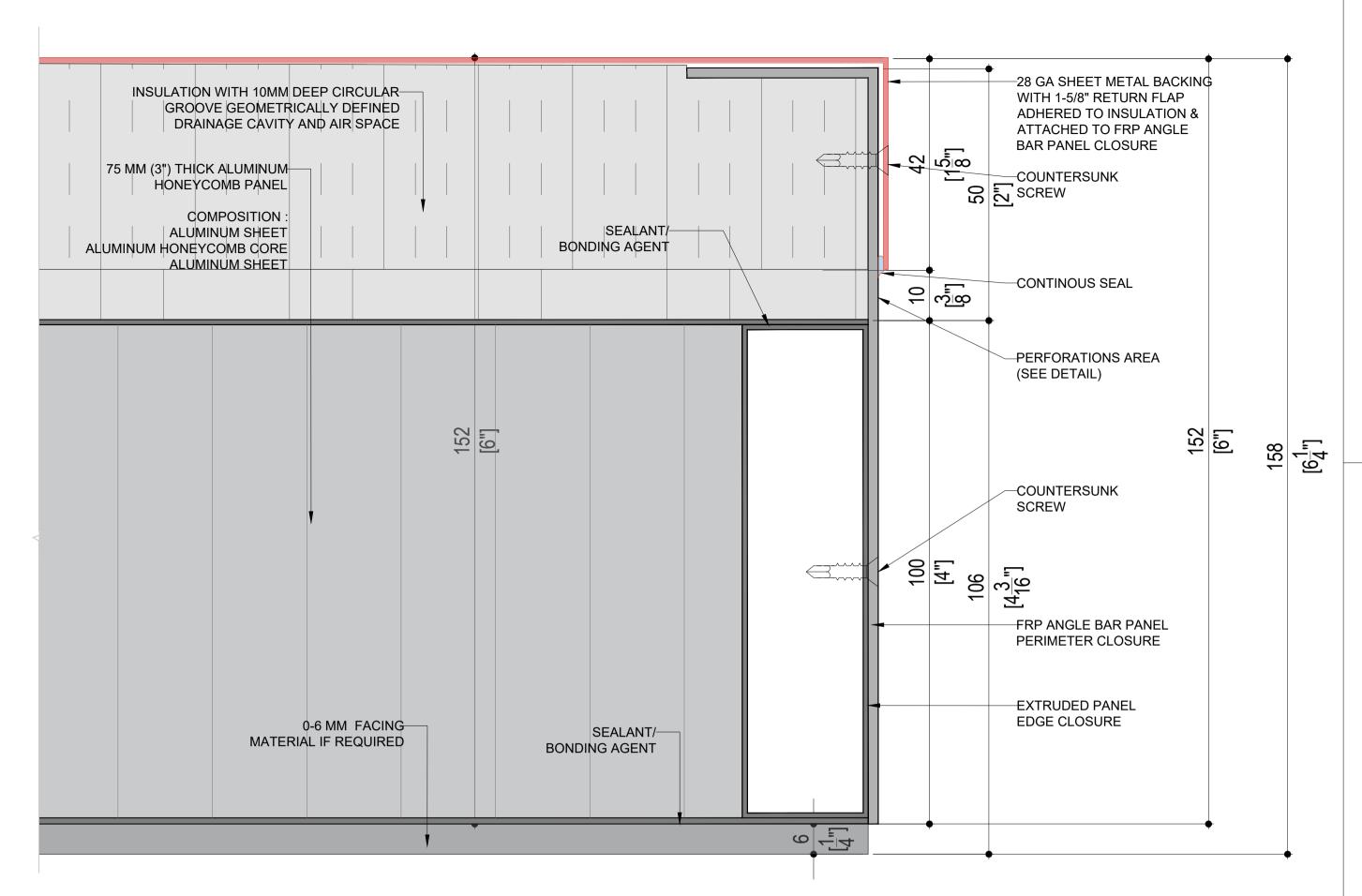
CLADIFY / MITREX

**ARCHITECT:** 

## CLADIFAB CLADIFY / MITREX PREFAB WALL SYSTEM REV-08

SEPTEMBER 07, 2023

**NOTE: PRINT IN COLOR** 



-28 GA SHEET METAL BACKING INSULATION WITH 10MM DEEP CIRCULAR-WITH 1-5/8" RETURN FLAP GROOVE GEOMETRICALLY DEFINED ADHERED TO INSULATION & DRAINAGE CAVITY AND AIR SPACE ATTACHED TO FRP ANGLE BAR PANEL CLOSURE 75 MM (3") THICK ALUMINUM— -COUNTERSUNK HONEYCOMB PANEL SCREW COMPOSITION SEALANT/ ALUMINUM SHEET BONDING AGENT ALUMINUM HONEYCOMB CORE ALUMINUM SHEET -CONTINOUS SEAL 10 [\bar{8}] PERFORATIONS AREA (SEE DETAIL) 127 [5"] 127 [5"] 133 [5<sup>1</sup>] -COUNTERSUNK SCREW 75 [3"] 81 [3<sup>3</sup>"] FRP ANGLE BAR PANEL PERIMETER CLOSURE 0-6 MM FACING SEALANT/-MATERIAL IF REQUIRED **BONDING AGENT** EXTRUDED PANEL EDGE CLOSURE 9 14

3" HONEYCOMB PANEL COMPONENTS

4" HONEYCOMB PANEL COMPONENTS

NI-A

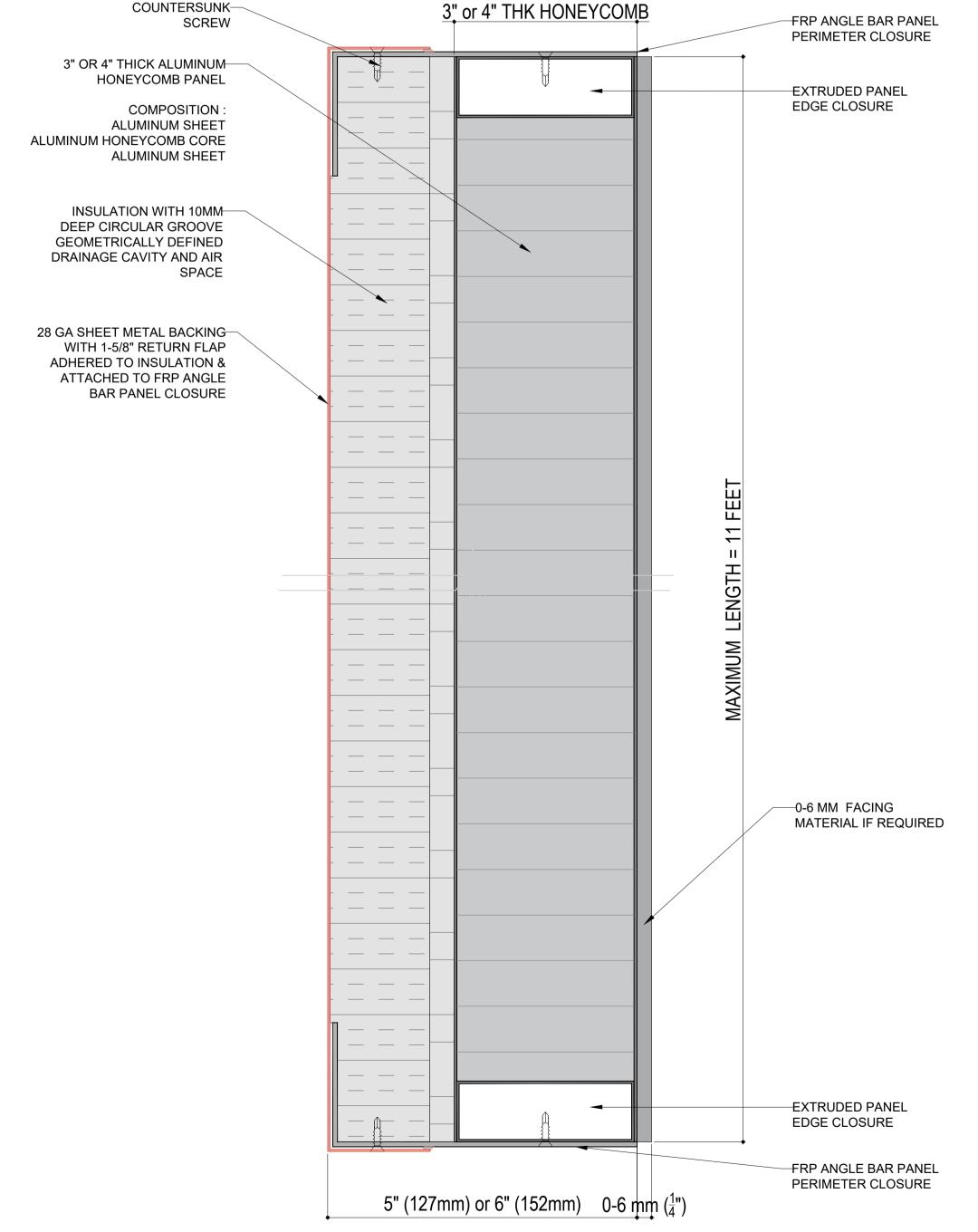
NI-A

SCALE: 1:1

SCALE: 1:1

HONEYCOMB PANEL SECTION SCALE: 1:2 NI-A

PRE-FAB PANEL WEIGHT PANEL WEIGHT / SQ.FT. PANEL THICKNESS 5" THICK (NO FACING MATERIAL) 4.08 LBS / SQ.FT. 6" THICK (NO FACING MATERIAL) 4.29 LBS / SQ.FT.



 $MITR \equiv X^*$ 



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- 2. ALL PANEL SIZES ARE BASED ON THE ARCHITECTURAL DRAWINGS, APPROVED SHOP DRAWINGS, AND SLAB EDGE MEASUREMENTS
- 3. ALL CLADIFY PANELS ARE PORCELAIN FACING WITH ALUMINUM HONEY COMB BACKING.

4. DUE TO THE SIZE OF THE PANELS, THE

- PRODUCTION MANAGER MAY SUGGEST THICKER ALUMINUM BACKING SYSTEM.
- 5. DUE TO THE SIZE OF THE PANELS, THE REQUIRED TEMPERATURE FOR INSTALLATION IS +12 °C. ALL HORIZONTAL AND VERTICAL JOINTS ARE 20mm UNLESS NOTED OTHERWISE. MAKE UP ALONG

ENTIRE LENGTH TO ACCOUNT FOR DIMENSIONAL

- ROUNDING OF INDIVIDUAL STONE LENGTHS. SITE CUT STONE TO SUIT CONDITIONS ARE REQUIRED
- 8. DO NOT SCALE DRAWING.9. PANEL SIZE TOLERANCE IS -1-2 INCHES 10. DUE TO WALL ASSEMBLY DEPTH, CLADDING
- SYSTEM MAY VARY. 11. SYSTEM SIZE TO BE CONFIRMED.
- 12. PENETRATIONS TO BE SEALED
- 13. PRINT IN COLOR

#### **ABBREVIATIONS:**

CL = CLADIFY T/O = TOP OFB/O = BOTTOM OFREF. = REFERENCE/REFER M/E = MITERED EDGE

E/O = END OFC/O = CORNER OF TYP. = TYPICAL SIM. = SIMILAR F/O = FACE OF

SEAL



REV. YY-MM-DD DESCRIPTION

**ARCHITECT** 

CLIENT

PROJECT TITLE

**CLADIFAB CLADIFY/MITREX** PREFAB WALL SYSTEM

SHEET TITLE

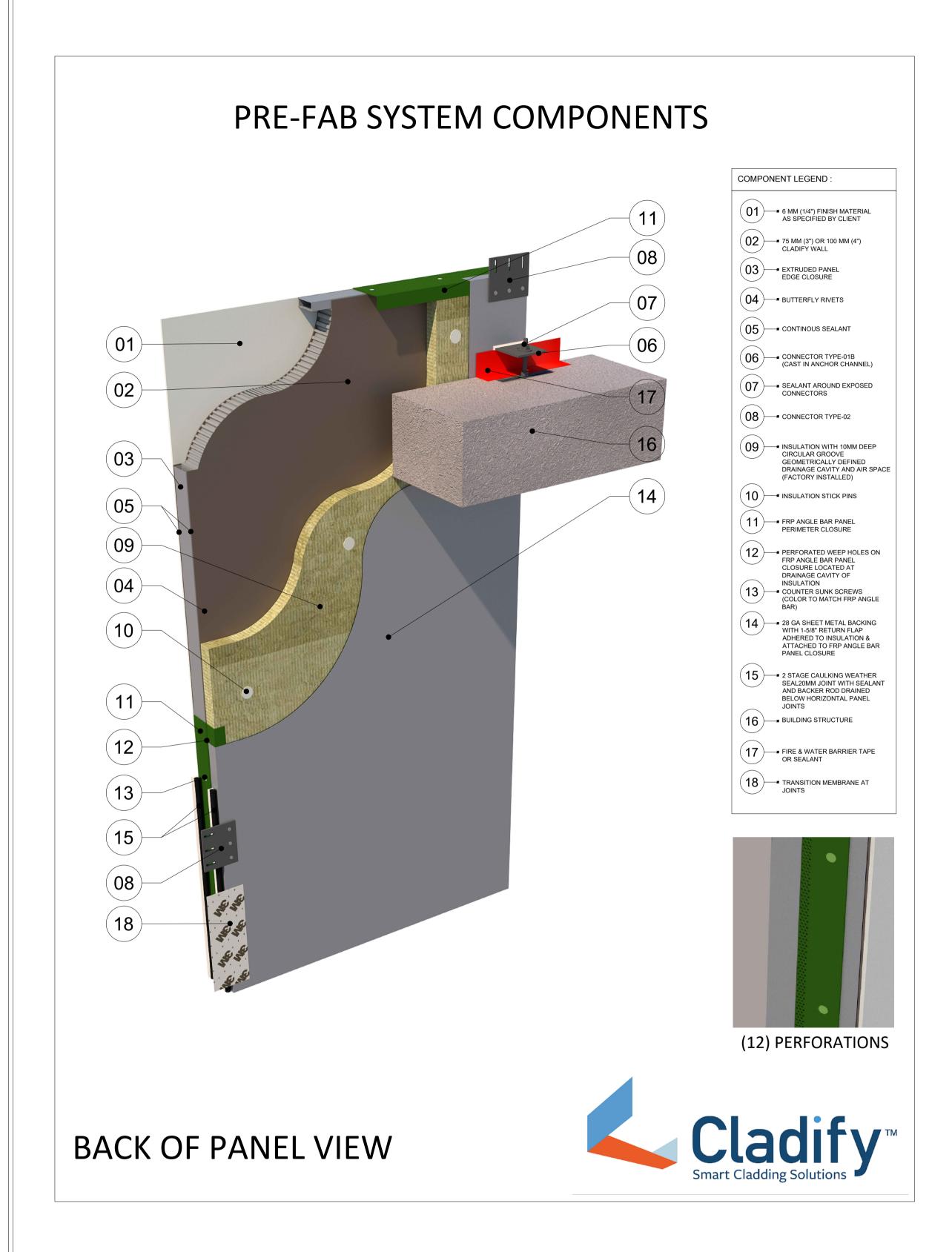
PREFAB PANEL

INFORMATION

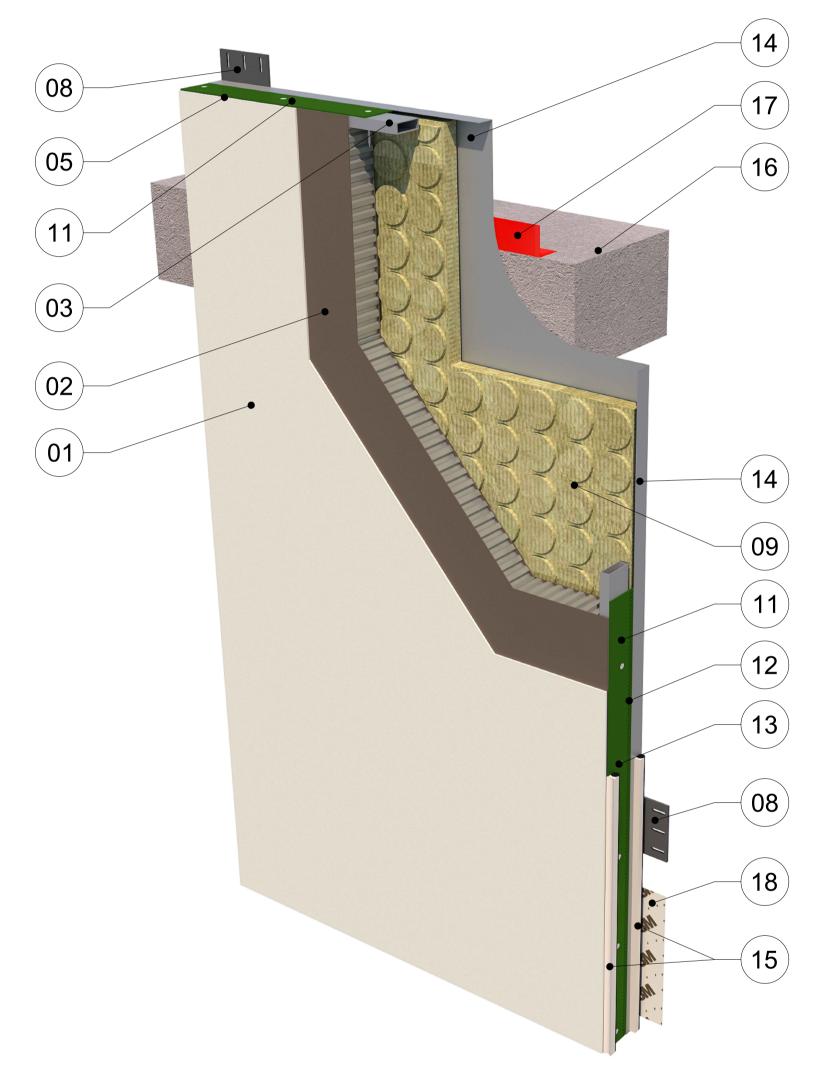
2023-09-07 SCALE: AS INDICATED DRAWN BY: GC MEASURED BY: CHECKED BY: AR / AS

**DRAWING NO:** 

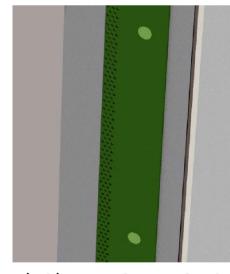
NI-A (Rev08)



# PRE-FAB SYSTEM COMPONENTS



COMPONENT LEGEND : (01) - 6 MM (1/4") FINISH MATERIAL AS SPECIFIED BY CLIENT 02 75 MM (3") OR 100 MM (4") CLADIFY WALL extruded panel edge closure (04) BUTTERFLY RIVETS (05)—CONTINOUS SEALANT (06) CONNECTOR TYPE-01B (CAST IN ANCHOR CHANNEL) —■ SEALANT AROUND EXPOSED CONNECTORS (08) → CONNECTOR TYPE-02 (09) INSULATION WITH 10MM DEEP CIRCULAR GROOVE GEOMETRICALLY DEFINED
DRAINAGE CAVITY AND AIR SPACE (FACTORY INSTALLED) (10) INSULATION STICK PINS 11 FRP ANGLE BAR PANEL PERIMETER CLOSURE (12) — PERFORATED WEEP HOLES ON FRP ANGLE BAR PANEL CLOSURE LOCATED AT INSULATION (13) — COUNTER SUNK SCREWS (COLOR TO MATCH FRP ANGLE (14) = 28 GA SHEET METAL BACKING WITH 1-5/8" RETURN FLAP ADHERED TO INSULATION & ATTACHED TO FRP ANGLE BAR PANEL CLOSURE ■ 2 STAGE CAULKING WEATHER SEAL20MM JOINT WITH SEALANT AND BACKER ROD DRAINED BELOW HORIZONTAL PANEL (16) BUILDING STRUCTURE 17 FIRE & WATER BARRIER TAPE OR SEALANT 18 TRANSITION MEMBRANE AT JOINTS



(12) PERFORATIONS

FRONT OF PANEL VIEW



 $MITR \equiv X^*$ 



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**ARCHITECT** 

REV. YY-MM-DD DESCRIPTION

CLIENT

PROJECT TITLE

CLADIFAB CLADIFY/MITREX PREFAB WALL SYSTEM

SHEET TITLE

**CLADIFY PANEL COMPONENTS** 

INFORMATION

2023-09-07 AS INDICATED DRAWN BY: GC
MEASURED BY:
CHECKED BY: AR / AS

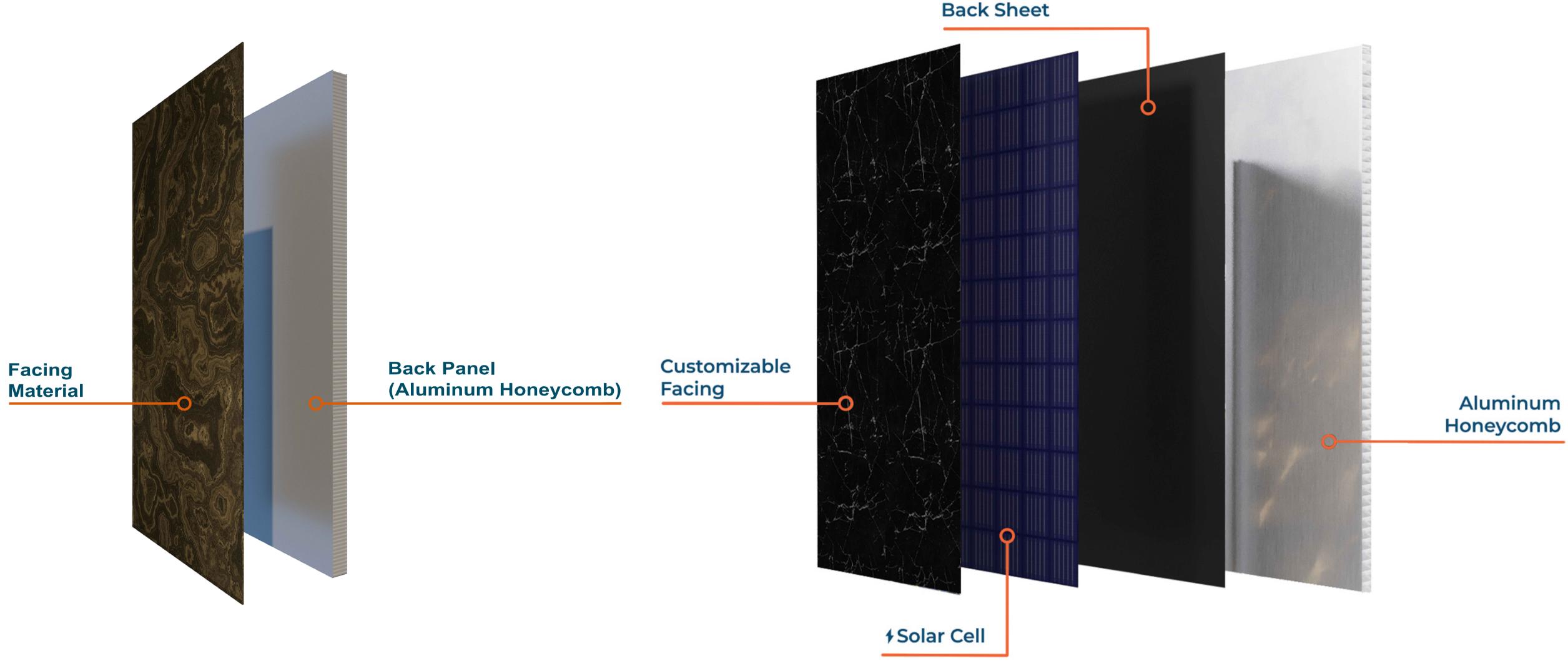
**DRAWING NO:** 

NI-B (Rev08)

**CLADIFY PANEL COMPONENTS** NI-B

## **CLADIFY PANEL COMPOSITION:**

## MITREX PANEL COMPOSITION:



#### 3. ALL CLADIFY PANELS ARE PORCELAIN FACING WITH ALUMINUM HONEY COMB BACKING. 4. DUE TO THE SIZE OF THE PANELS, THE PRODUCTION MANAGER MAY SUGGEST THICKER ALUMINUM BACKING SYSTEM. 5. DUE TO THE SIZE OF THE PANELS, THE REQUIRED TEMPERATURE FOR INSTALLATION IS +12 °C. 6. ALL HORIZONTAL AND VERTICAL JOINTS ARE 20mm UNLESS NOTED OTHERWISE. MAKE UP ALONG ENTIRE LENGTH TO ACCOUNT FOR DIMENSIONAL ROUNDING OF INDIVIDUAL STONE LENGTHS. 7. SITE CUT STONE TO SUIT CONDITIONS ARE

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SYSTEM MAY VARY.

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 $MITR \equiv X^{*}$ 

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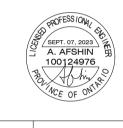
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Cladify

SEAL



REV. YY-MM-DD DESCRIPTION **ARCHITECT** 

CLIENT

PROJECT TITLE

**CLADIFAB** CLADIFY/MITREX PREFAB WALL SYSTEM

SHEET TITLE

ARCHITECTURAL FINISHES

INFORMATION

SCALE: AS INDICATED DRAWN BY: GC
MEASURED BY:
CHECKED BY: AR / AS

**DRAWING NO:** 

NI-C (Rev08)

### INTERCHANGEABLE ARCHITECTURAL FINISHES

NATURAL STONE FACING

Stone Cladding Materials



PORCELAIN FACING

BRICK FACING



PAINTED/COATED METAL FACING

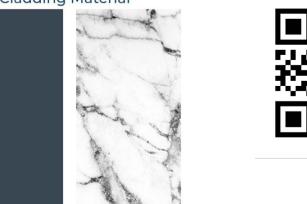


FOR COMPLETE ARCHITECTURAL FINISHES OPTIONS:



MITREX BIPV FACING

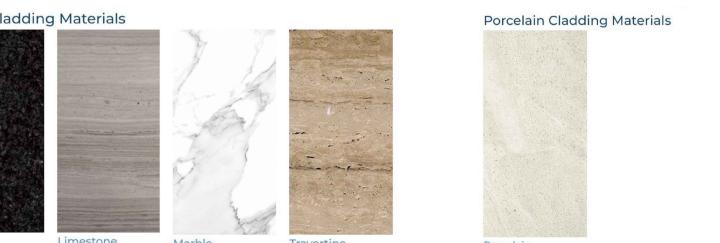


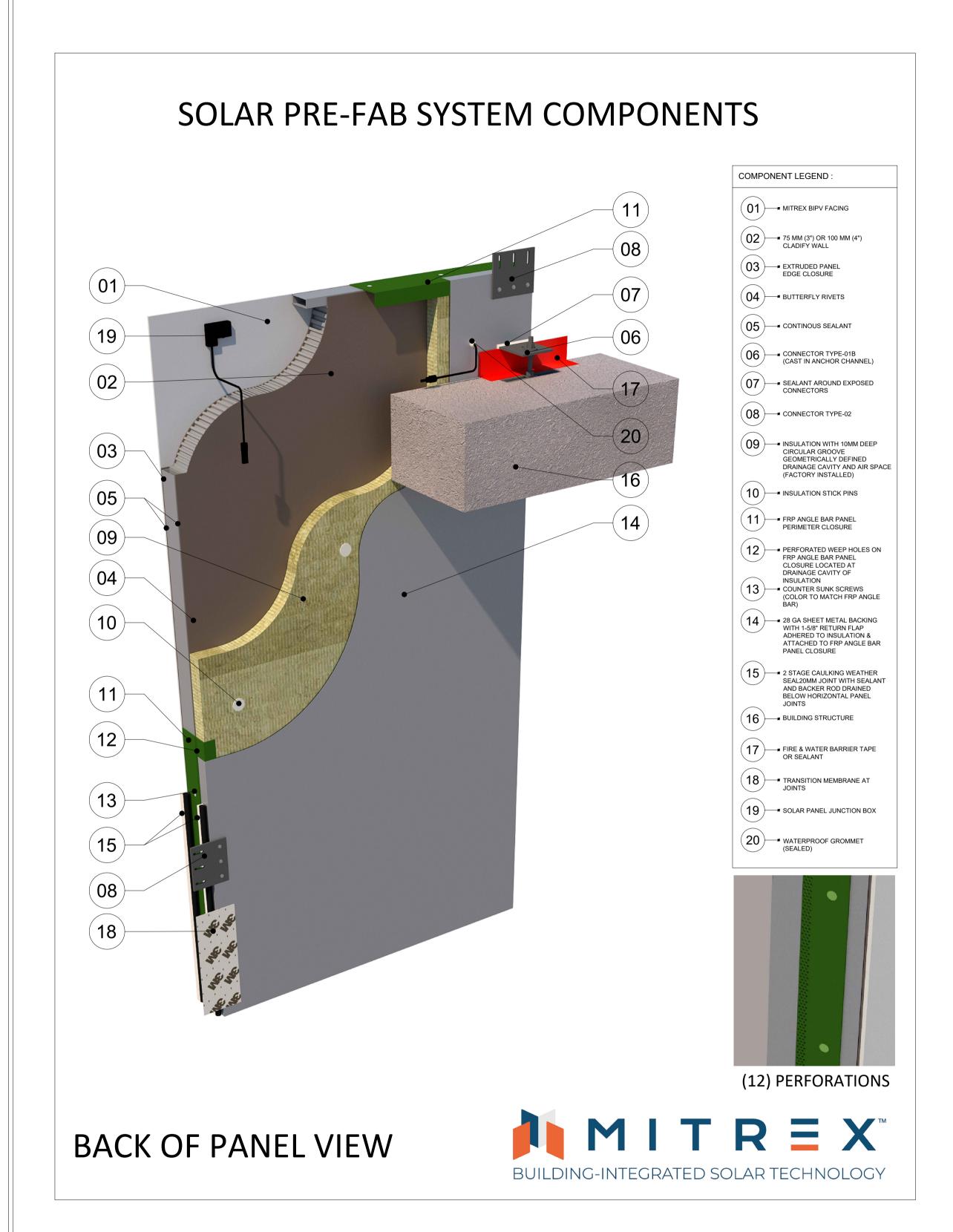


FOR COMPLETE

**BIPV FINISHES** 

OPTIONS:





### SOLAR PRE-FAB SYSTEM COMPONENTS COMPONENT LEGEND : (01) MITREX BIPV FACING 75 MM (3") OR 100 MM (4") (03) EXTRUDED PANEL EDGE CLOSURE (04) BUTTERFLY RIVETS (05) — CONTINOUS SEALANT (06) — CONNECTOR TYPE-01B —■ SEALANT AROUND EXPOSED (08) → CONNECTOR TYPE-02 (09) INSULATION WITH 10MM DEEP CIRCULAR GROOVE GEOMETRICALLY DEFINED DRAINAGE CAVITY AND AIR SPACE (FACTORY INSTALLED) (10) INSULATION STICK PINS (11) FRP ANGLE BAR PANEL PERIMETER CLOSURE (12) PERFORATED WEEP HOLES ON (14) CLOSURE LOCATED AT DRAINAGE CAVITY OF INSULATION 13 COUNTER SUNK SCREWS (COLOR TO MATCH FRP ANGLE BAR) (14)—28 GA SHEET METAL BACKING WITH 1-5/8" RETURN FLAP ADHERED TO INSULATION & ATTACHED TO FRP ANGLE BAR PANEL CLOSURE 2 STAGE CAULKING WEATHER SEAL20MM JOINT WITH SEALANT BELOW HORIZONTAL PANEL (16) BUILDING STRUCTURE 17 FIRE & WATER BARRIER TAPE OR SEALANT 18 TRANSITION MEMBRANE AT (19)— SOLAR PANEL JUNCTION BOX 20 waterproof grommet (SEALED) (18) (12) PERFORATIONS

FRONT OF PANEL VIEW

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REV. YY-MM-DD DESCRIPTION

**ARCHITECT** 

CLIENT

PROJECT TITLE

**CLADIFAB** CLADIFY/MITREX PREFAB WALL SYSTEM

SHEET TITLE

**BUILDING-INTEGRATED SOLAR TECHNOLOGY** 

MITREX PANEL COMPONENTS

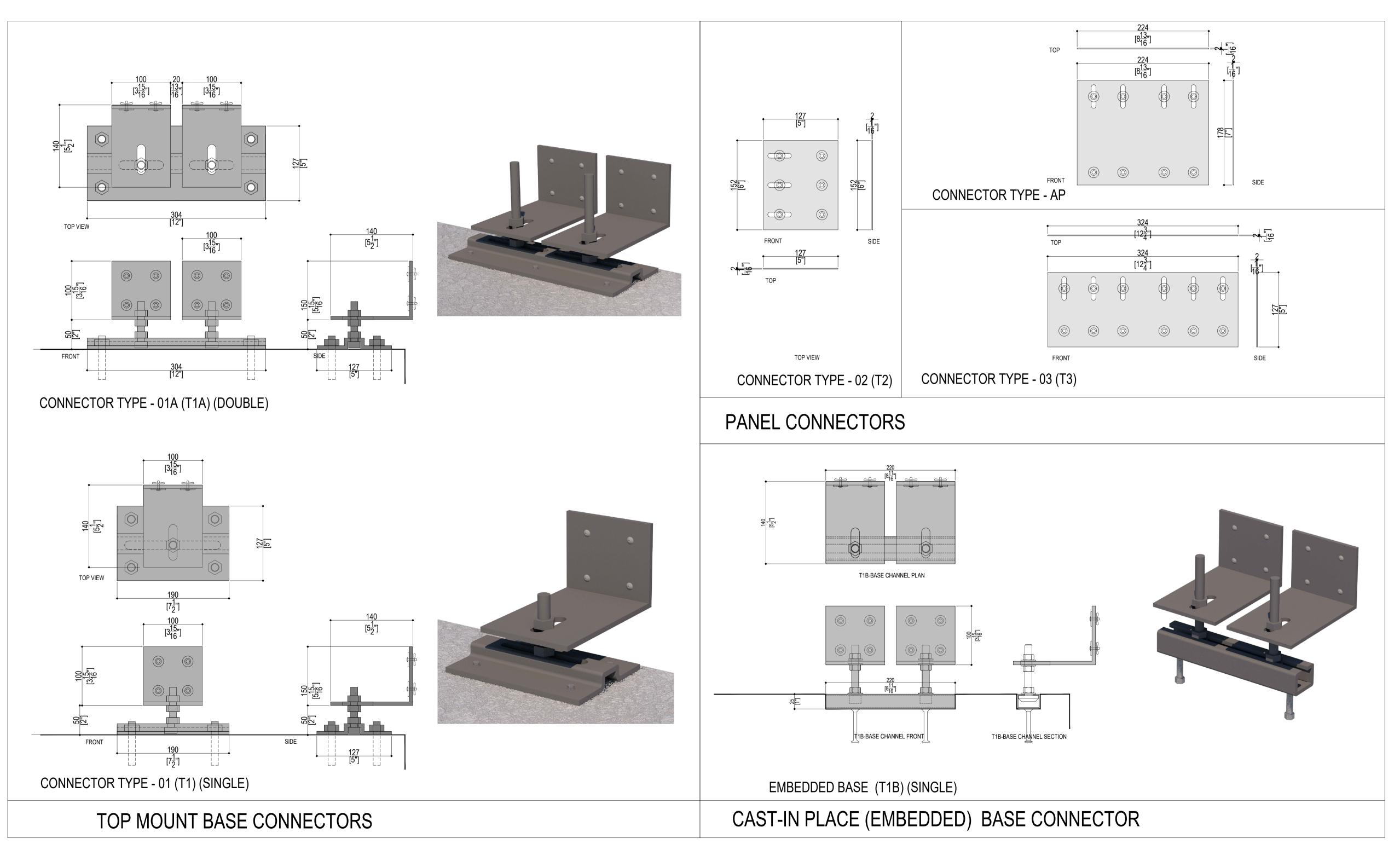
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**DRAWING NO:** 

NI-D (Rev08)

NI-D







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#### SEAL



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ARCHITECT

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PROJECT TITLE

**CLADIFAB** CLADIFY/MITREX PREFAB WALL SYSTEM

SHEET TITLE

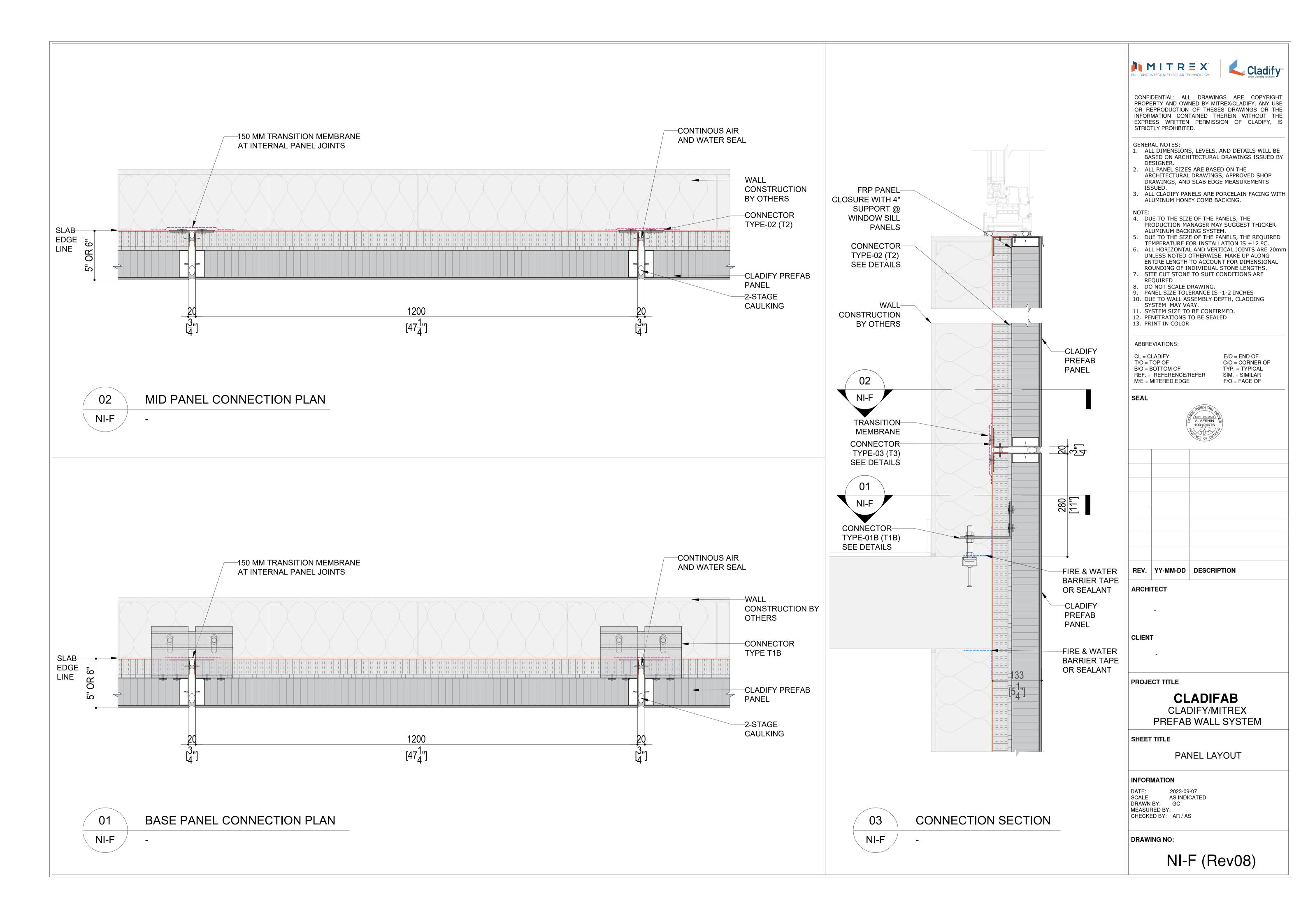
CONNECTOR DETAILS

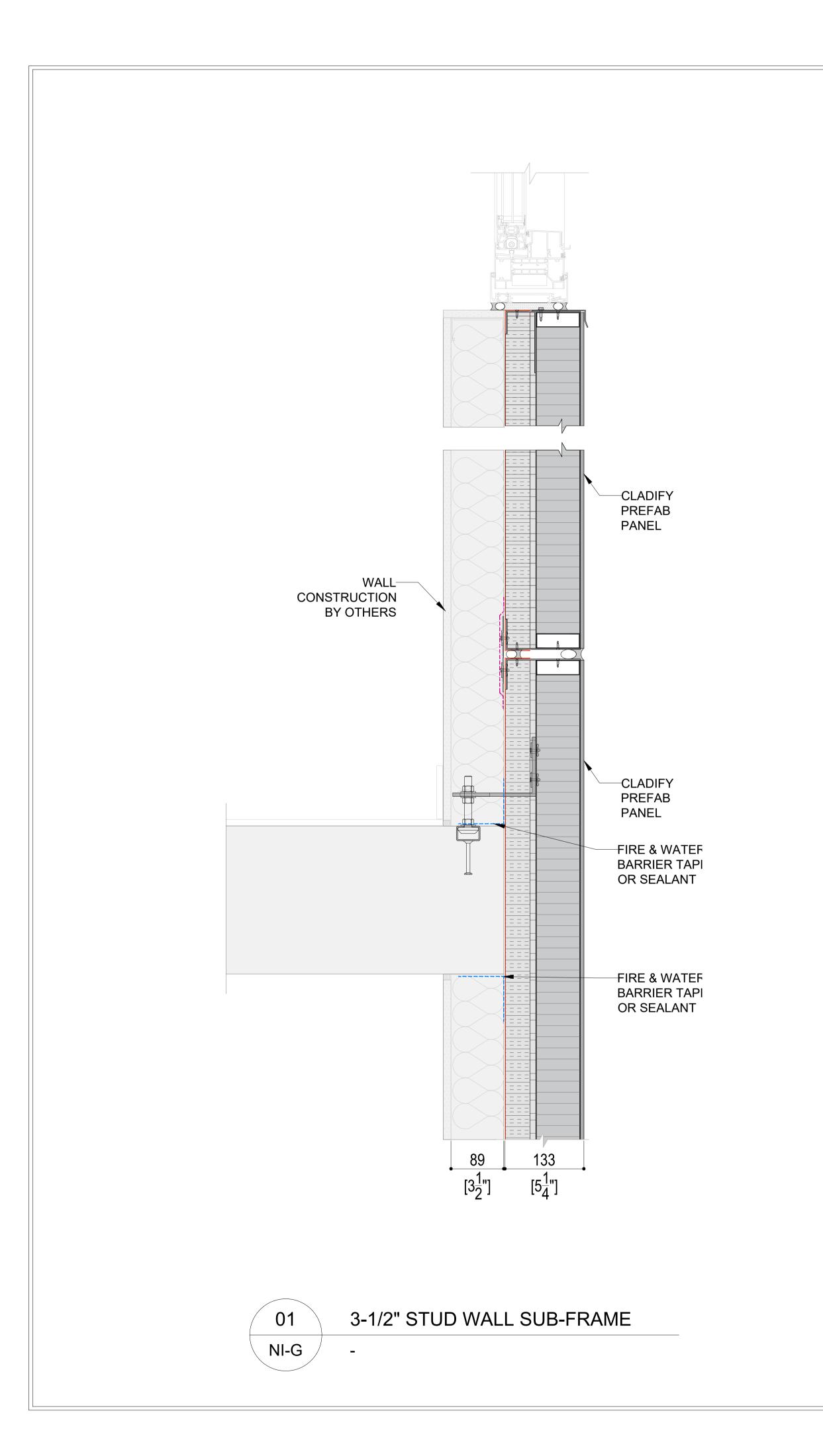
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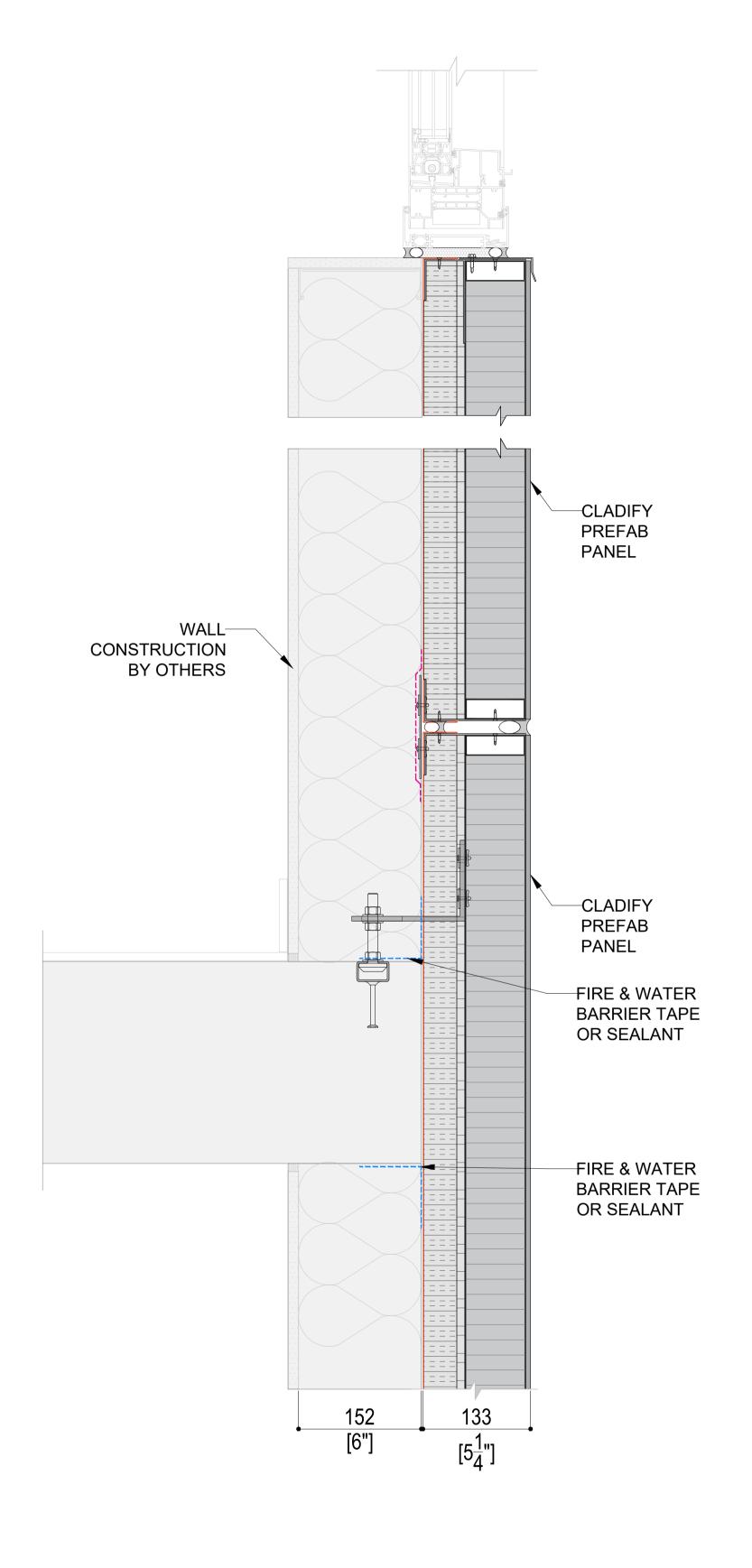
DATE: 2023-09-07 SCALE: AS INDICATED DRAWN BY: GC MEASURED BY: CHECKED BY: AR / AS

DRAWING NO:

NI-E (Rev08)







6" STUD WALL SUB-FRAME NI-G





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CLADIFAB CLADIFY/MITREX PREFAB WALL SYSTEM

SHEET TITLE

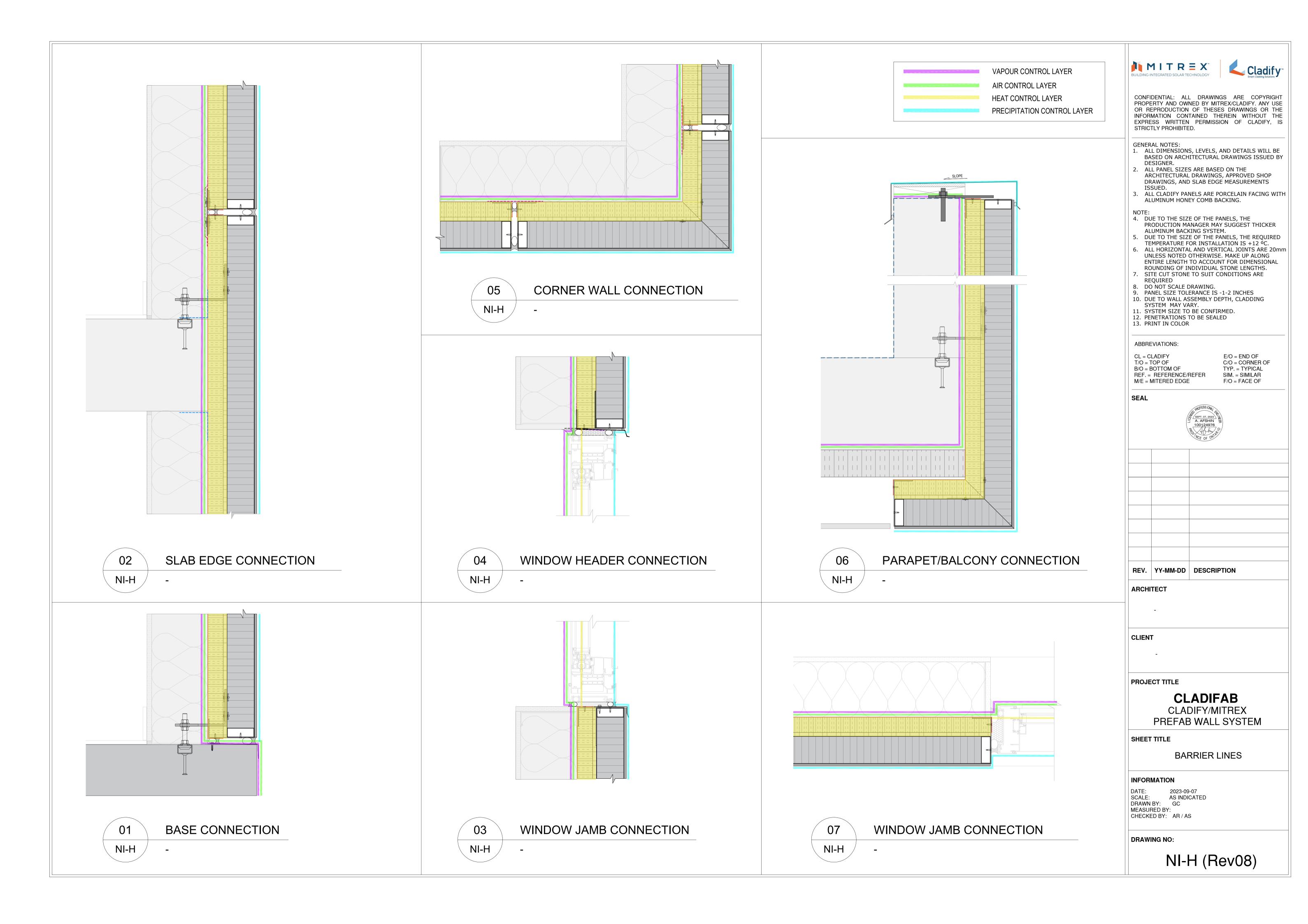
WALL SYSTEM DEPTH

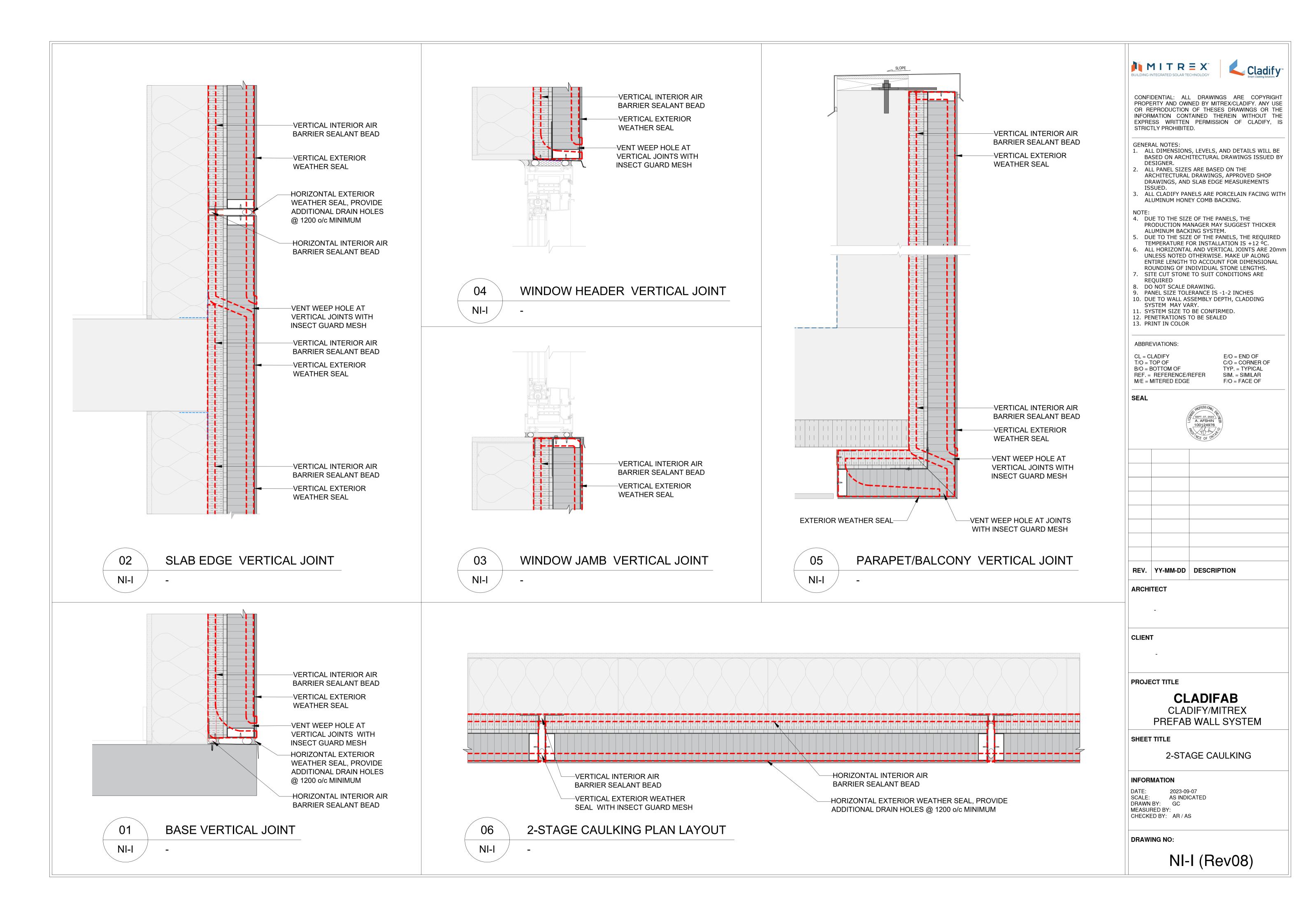
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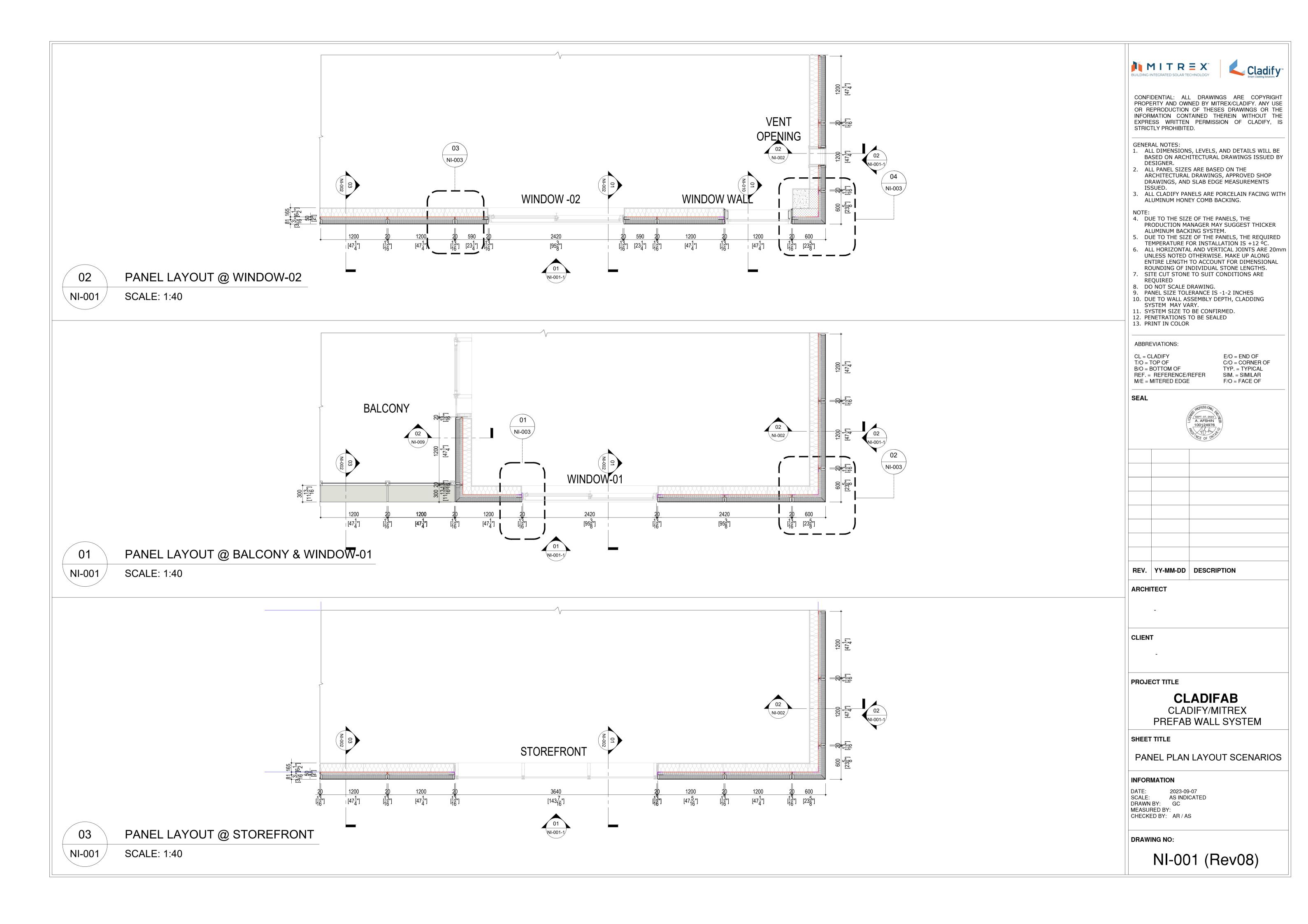
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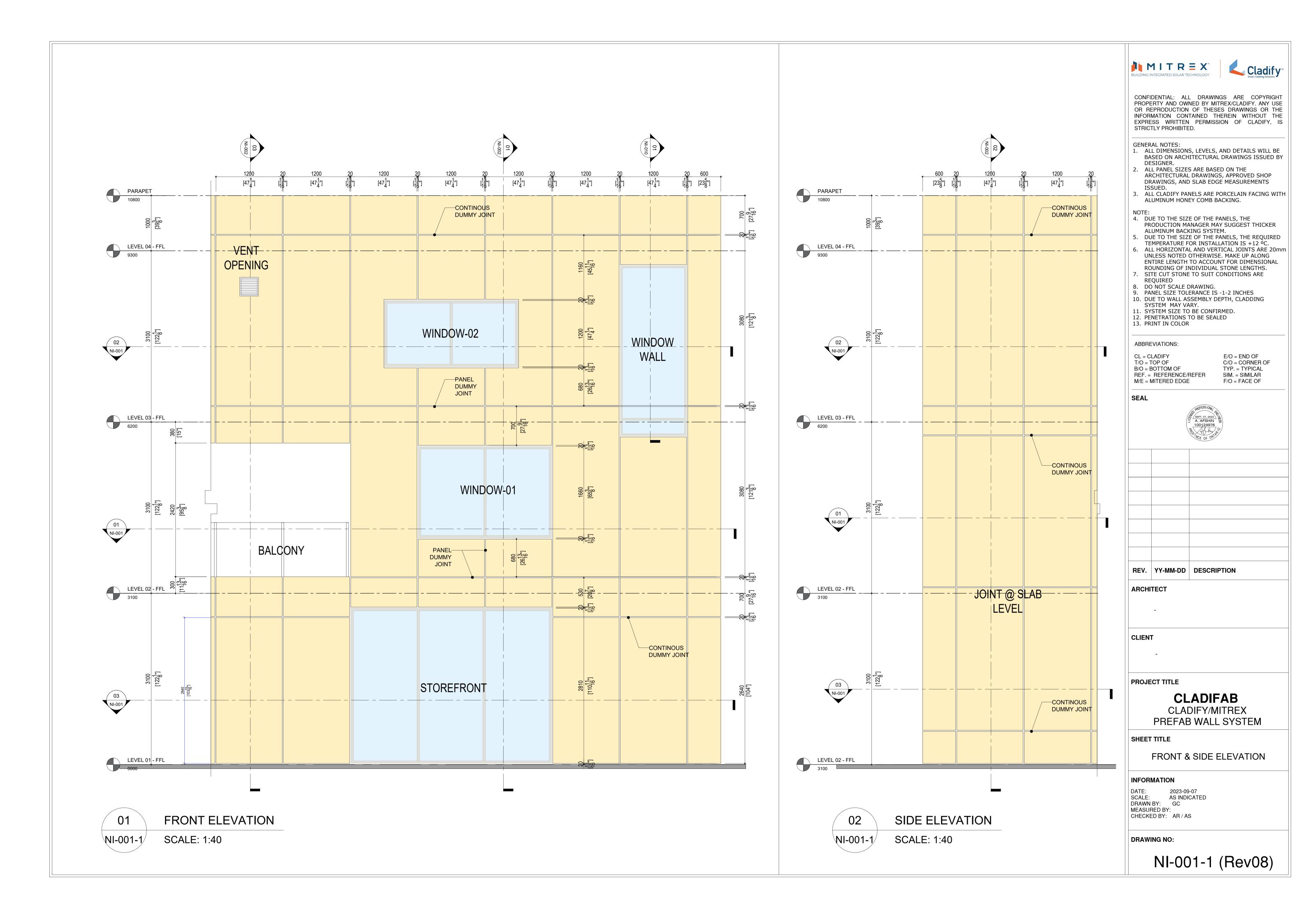
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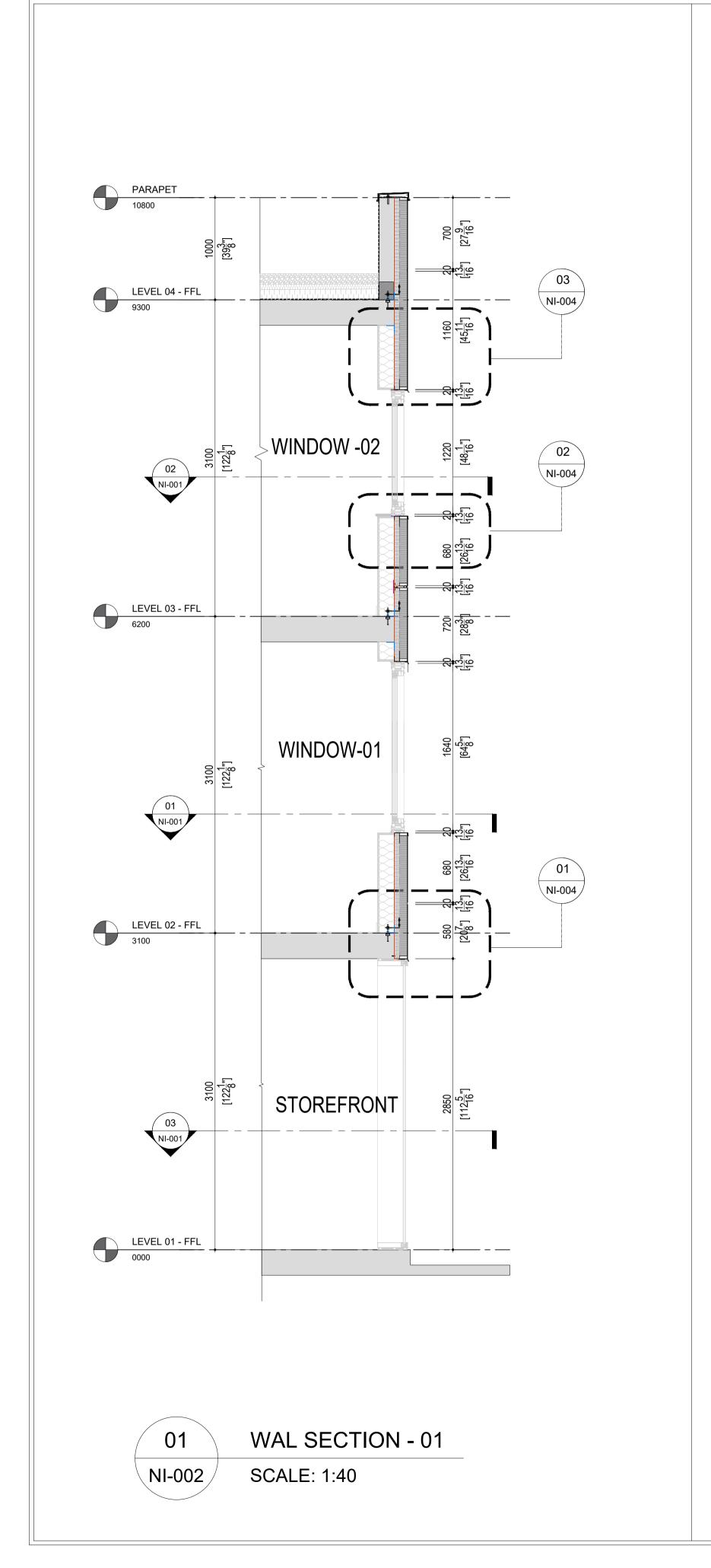
NI-G (Rev08)

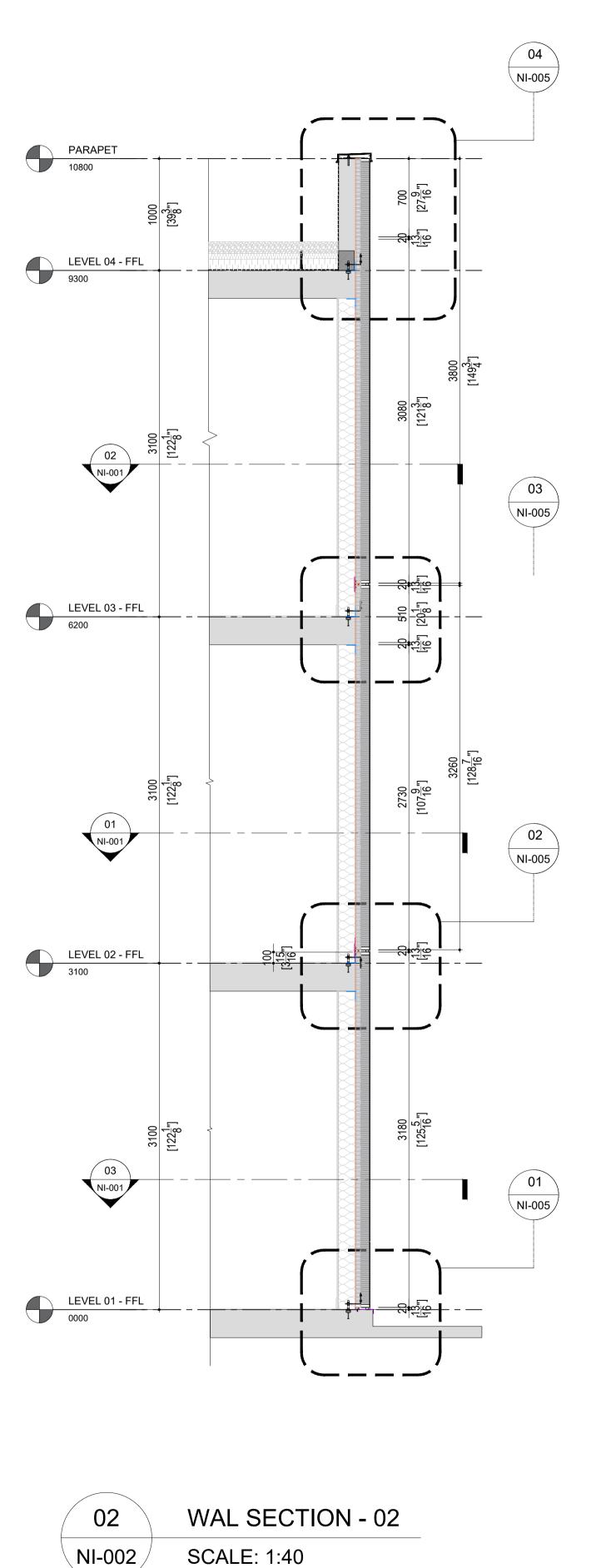


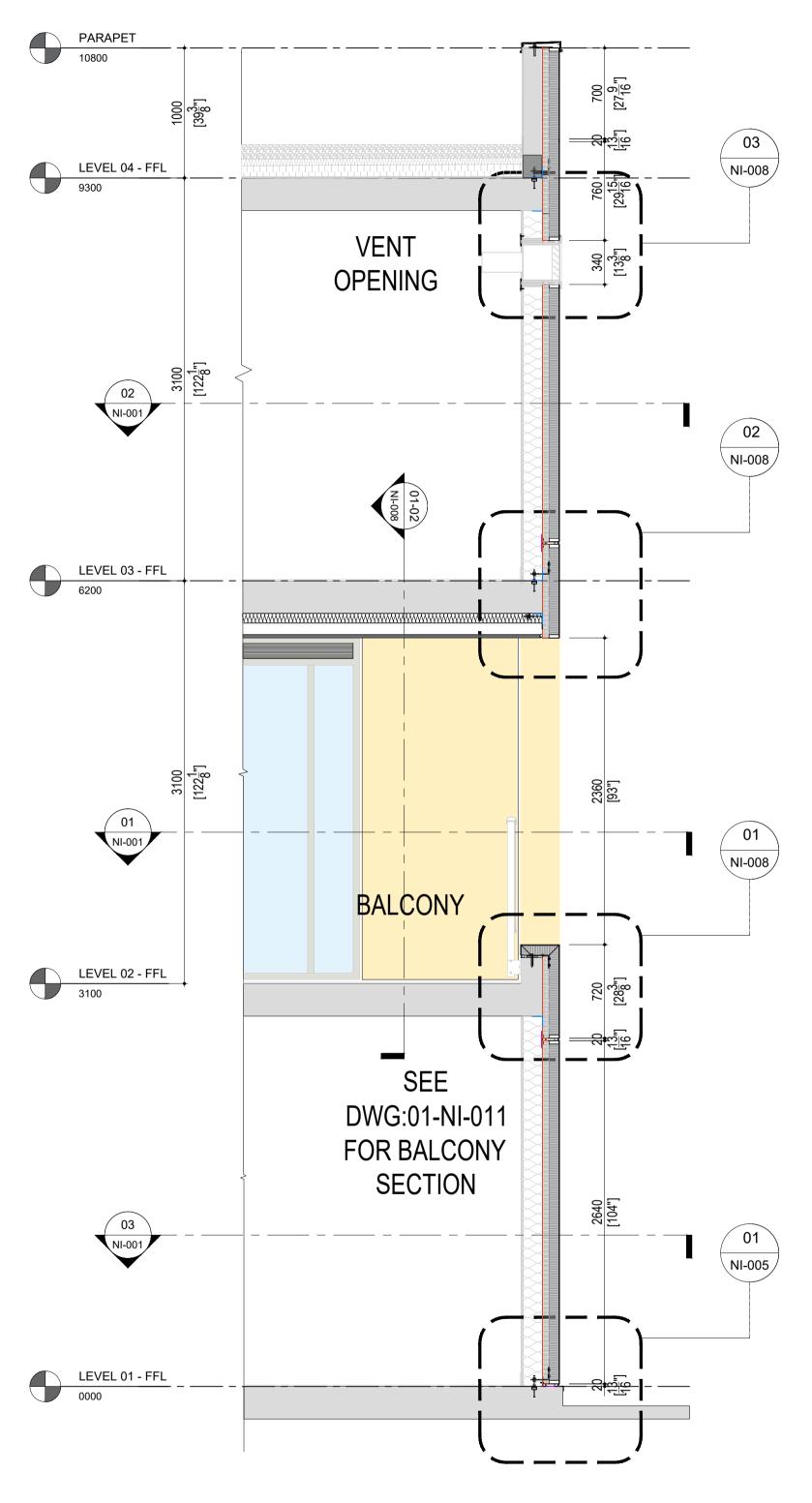










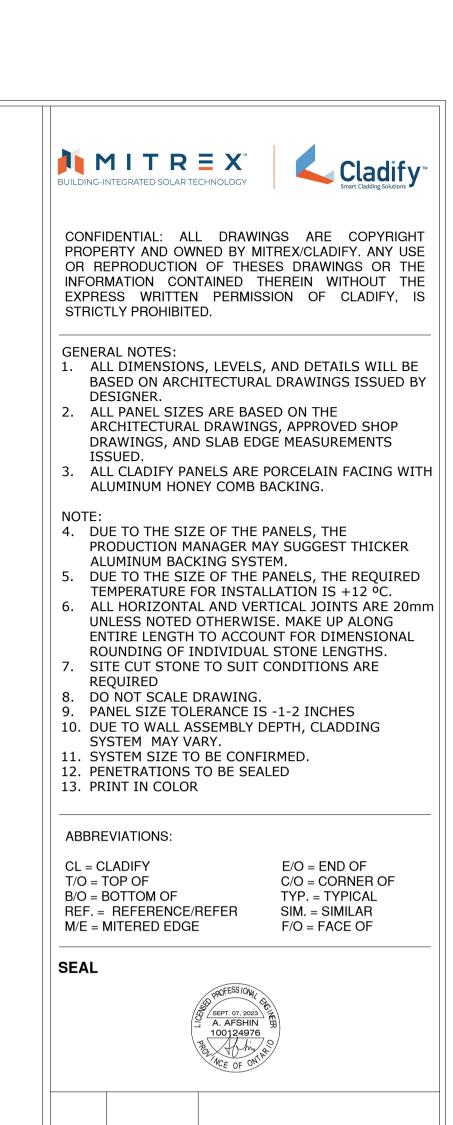


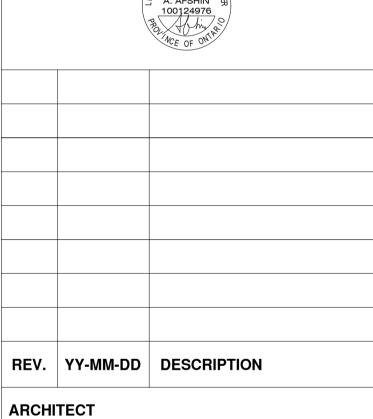
WAL SECTION - 03

SCALE: 1:40

03

NI-002





CLIENT

PROJECT TITLE

CLADIFAB
CLADIFY/MITREX
PREFAB WALL SYSTEM

SHEET TITLE

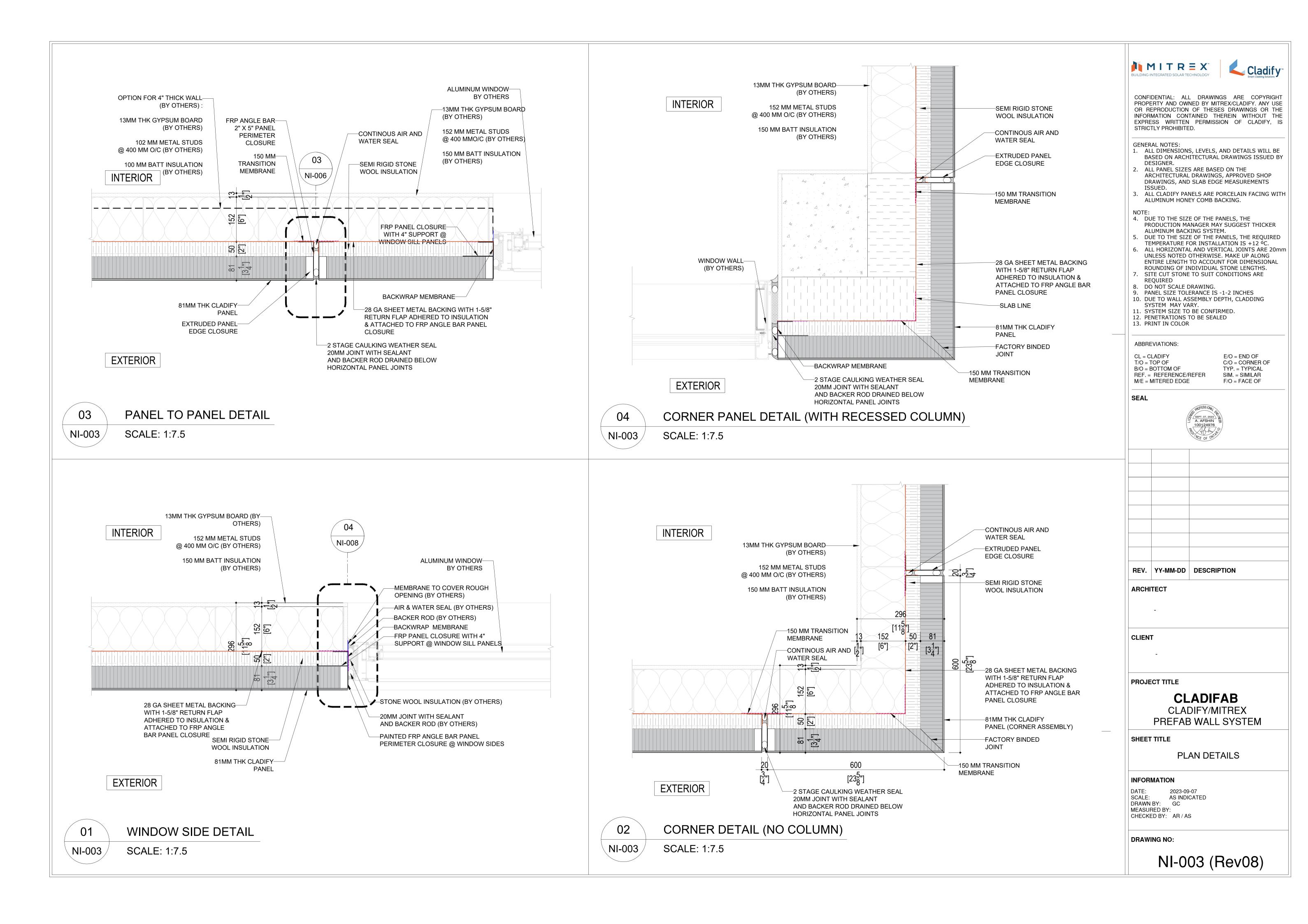
WALL SECTIONS

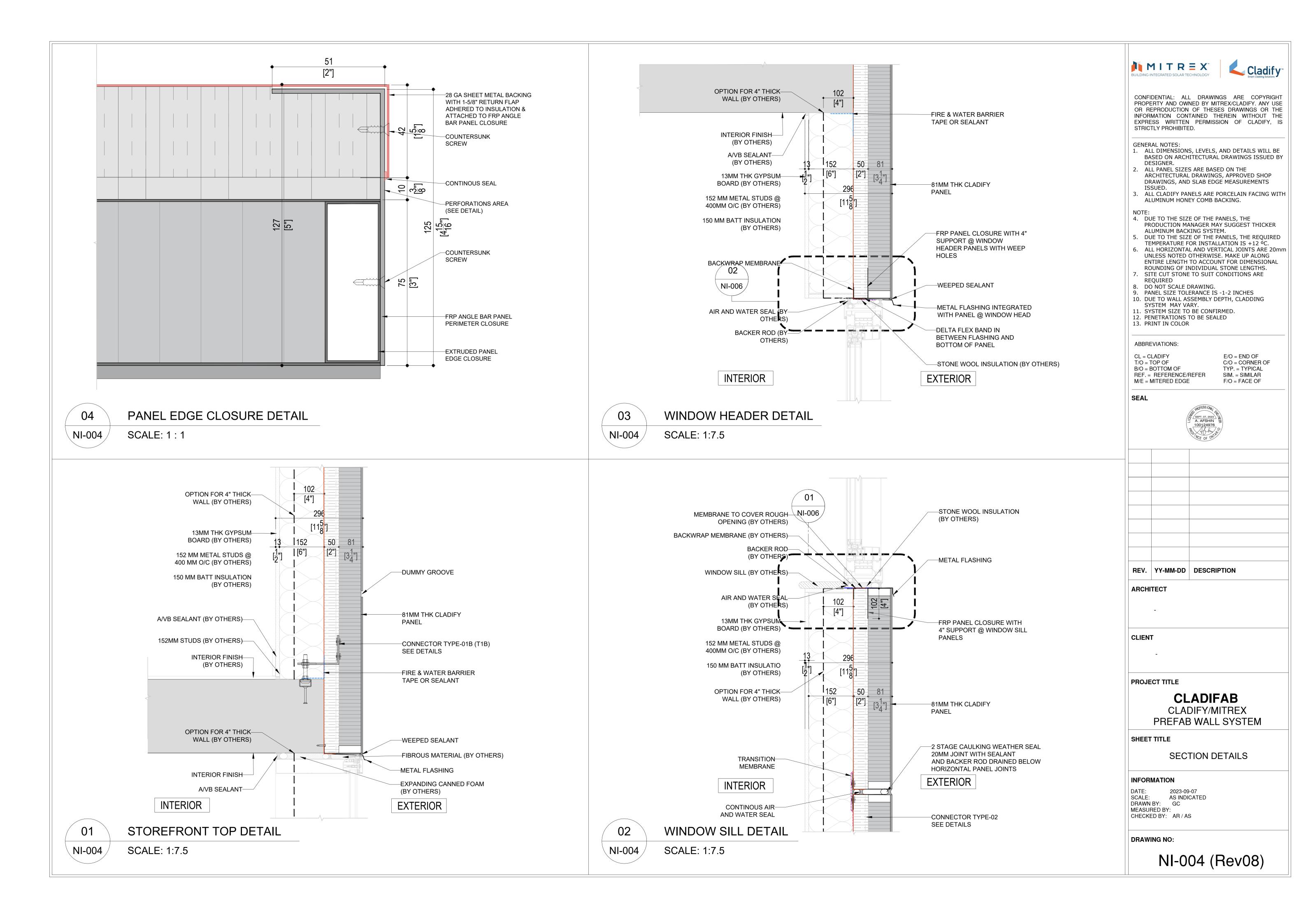
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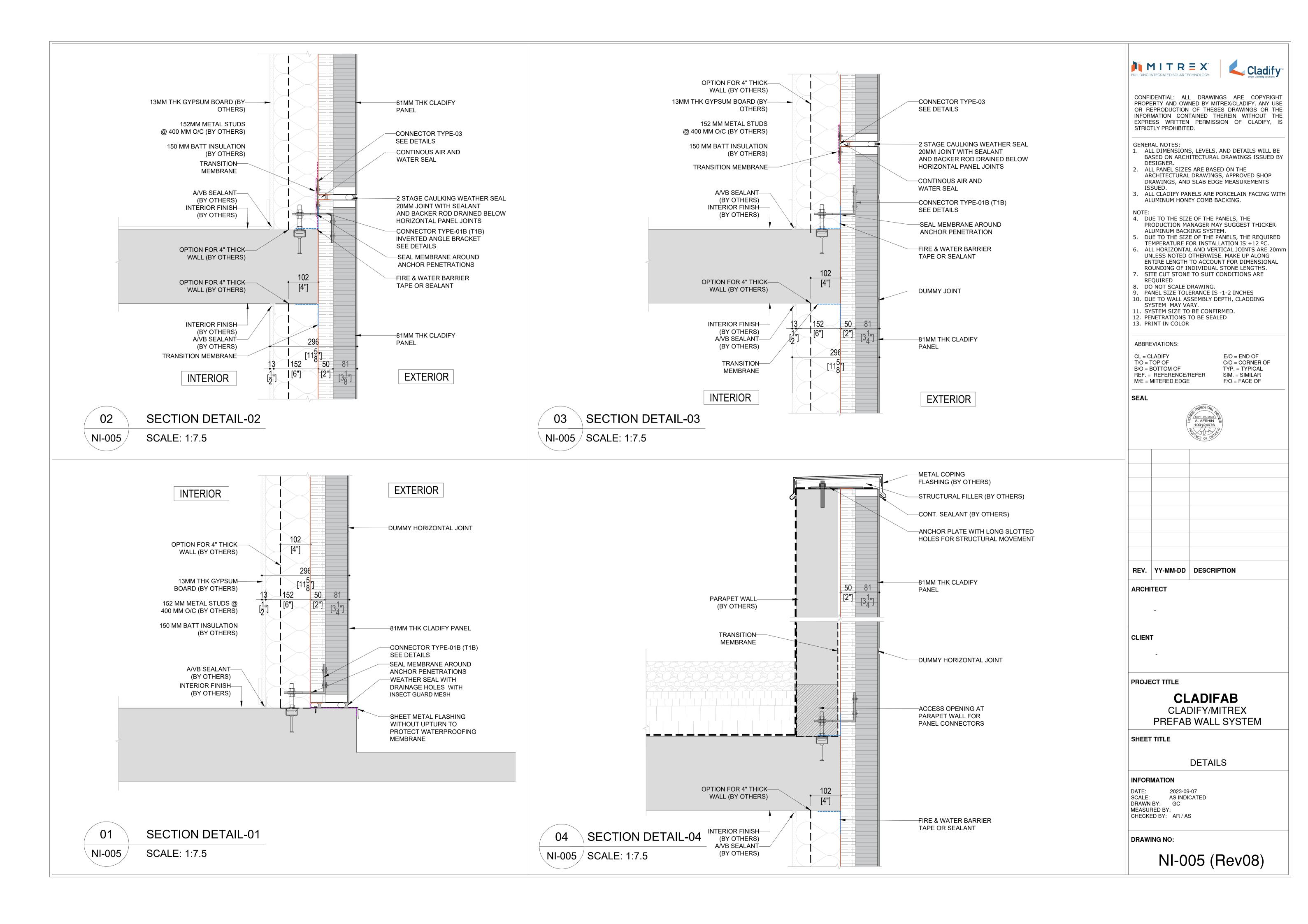
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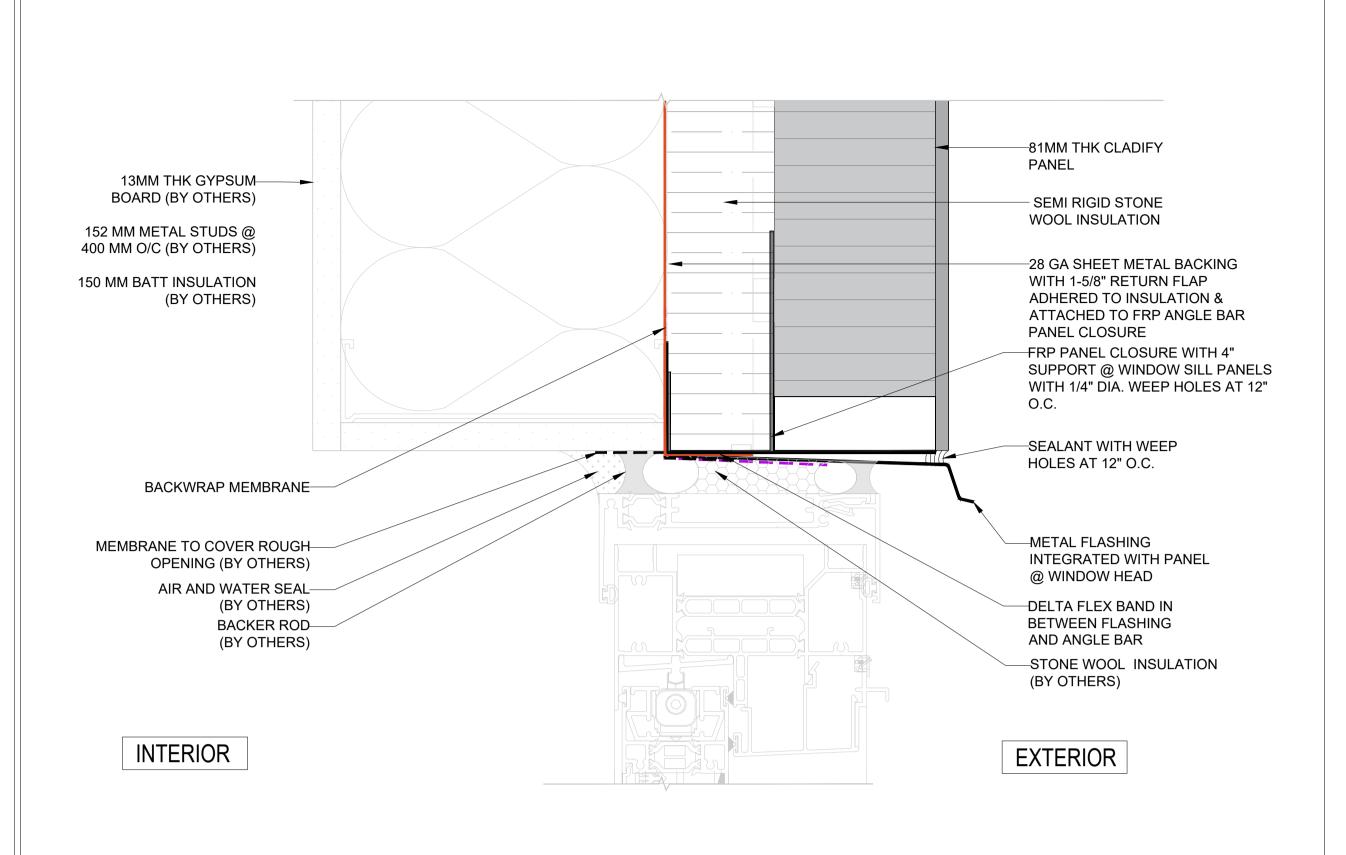
DRAWING NO:

NI-002 (Rev08)









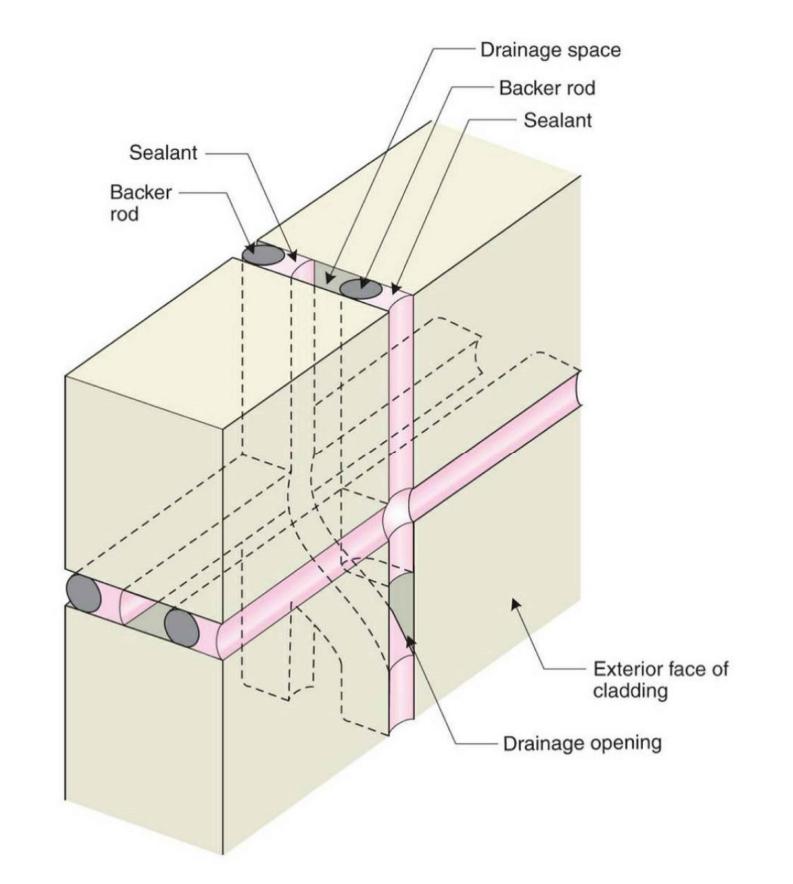
SECTION SPOT DETAIL- WINDOW TOP

SCALE: 1:2.5

NI-006

NI-006

SCALE: 1:2.5



CONCEPT OF 2 STAGE CAULKING OF CLADIFY PANELS

NI-006 NDTS

STONE WOOL INSULATION (BY OTHERS) -20MM JOINT WITH SEALANT AND BACKER ROD WITH WEEPHOLES (BY OTHERS) METAL FLASHING FRP PANEL CLOSURE WITH 4" SUPPORT @ WINDOW SILL **PANELS** 

150MM TRANSITION MEMBRANE— INTERIOR SEMI RIGID STONE WOOL INSULATION CONTINOUS AIR AND WATER SEAL CLADIFY PANEL— 20 2 STAGE CAULKING WEATHER SEAL-20MM JOINT WITH SEALANT EXTERIOR AND BACKER ROD DRAINED BELOW HORIZONTAL PANEL JOINTS PLAN SPOT DETAIL-01 - CAULKING NI-006 SCALE: 1:1

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E/O = END OFC/O = CORNER OF TYP. = TYPICAL SIM. = SIMILAR F/O = FACE OF

#### SEAL



REV. YY-MM-DD DESCRIPTION

**ARCHITECT** 

CLIENT

PROJECT TITLE

**CLADIFAB CLADIFY/MITREX** PREFAB WALL SYSTEM

SHEET TITLE

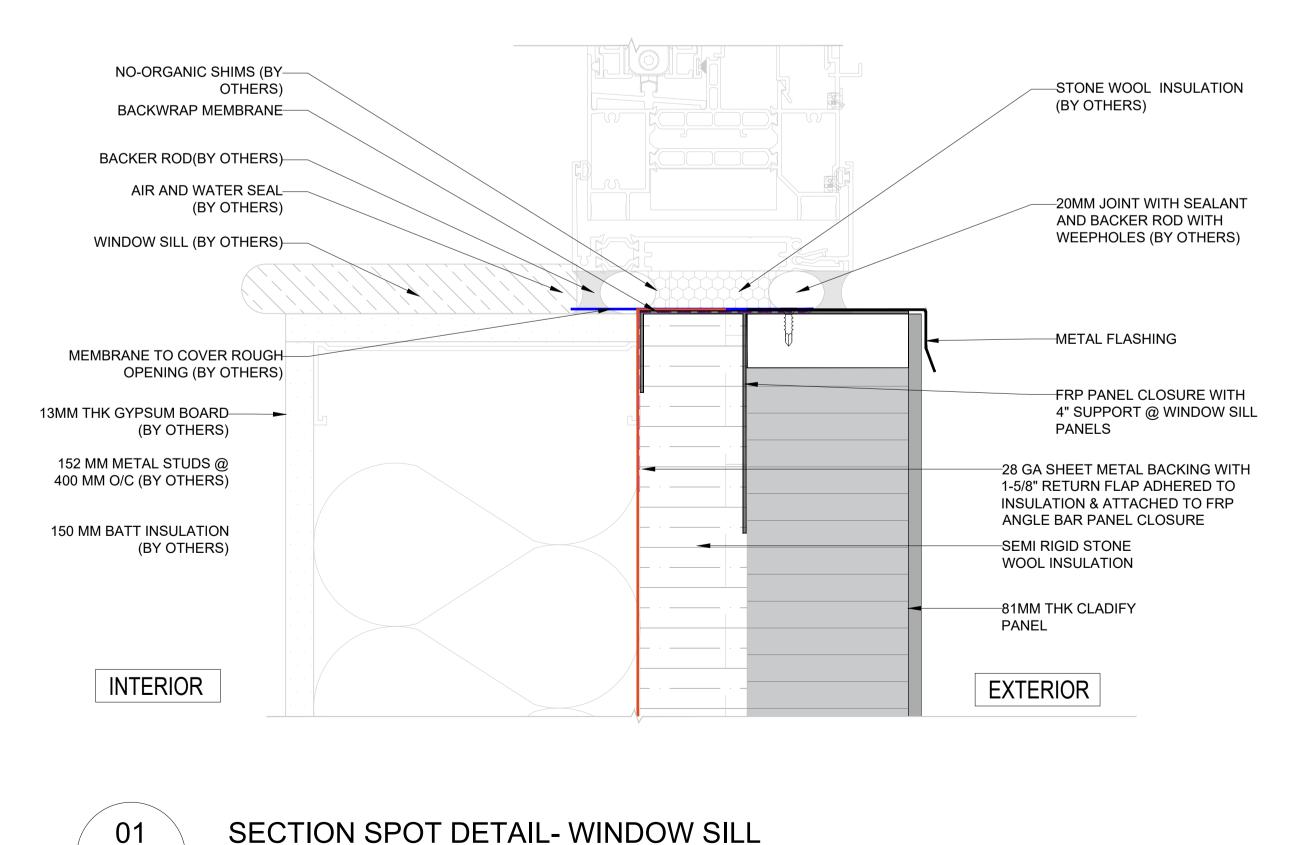
**DETAILS** 

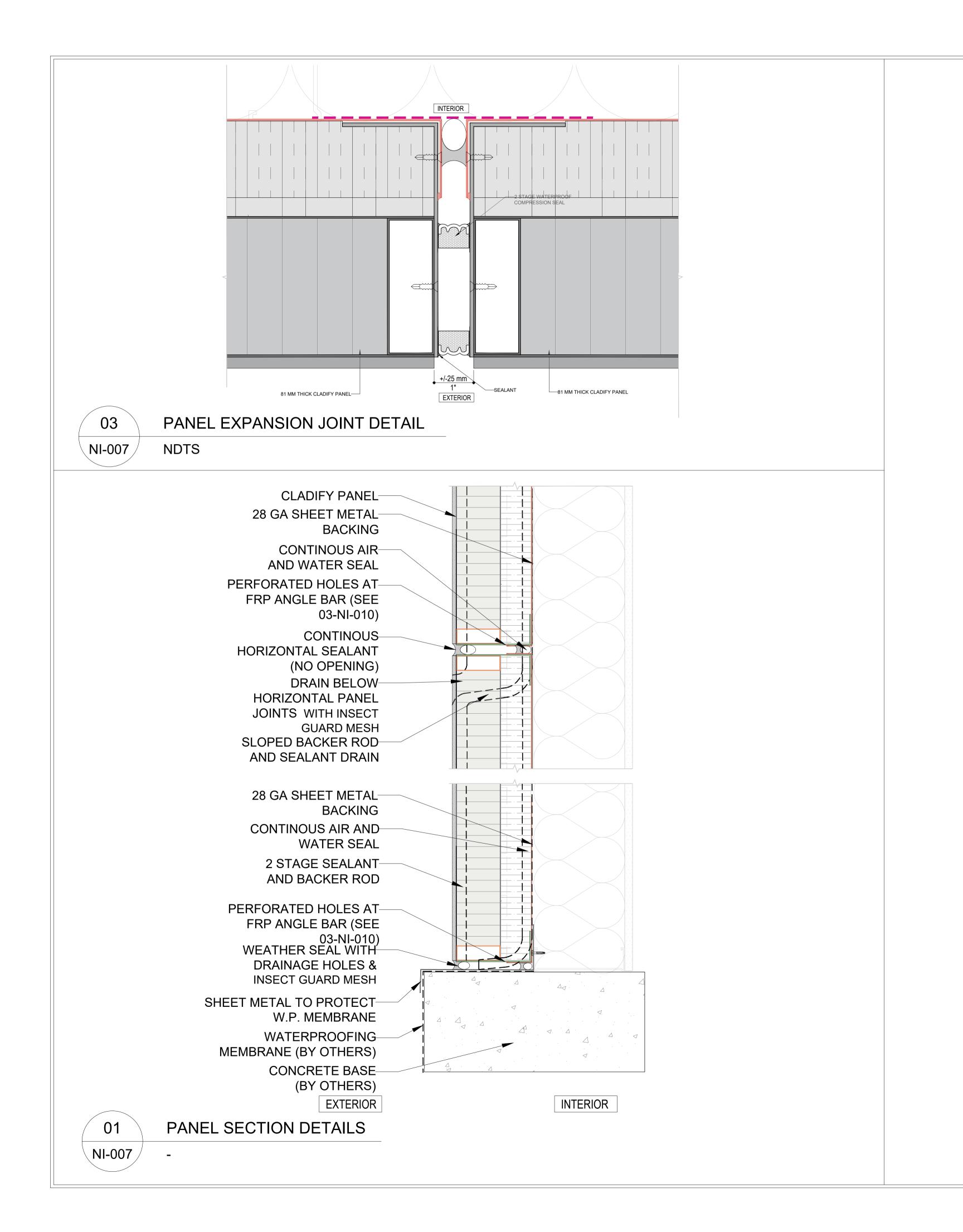
INFORMATION

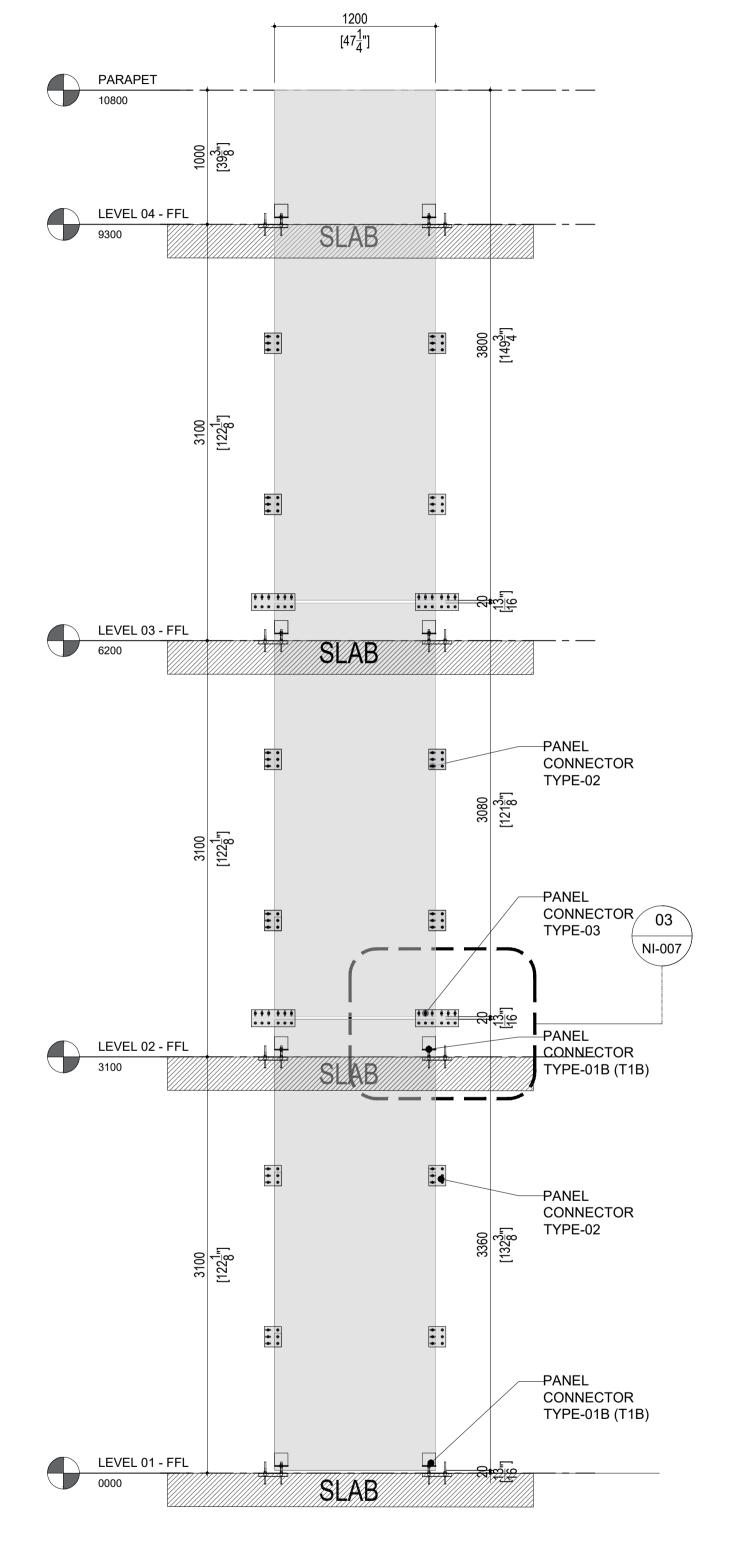
2023-09-07 AS INDICATED SCALE: DRAWN BY: GC MEASURED BY: CHECKED BY: AR / AS

**DRAWING NO:** 

NI-006 (Rev08)







SINGLE LINE PANEL INTERNAL ELEVATION

NI-007

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MITREX

1. ALL DIMENSIONS, LEVELS, AND DETAILS WILL BE BASED ON ARCHITECTURAL DRAWINGS ISSUED BY

2. ALL PANEL SIZES ARE BASED ON THE ARCHITECTURAL DRAWINGS, APPROVED SHOP DRAWINGS, AND SLAB EDGE MEASUREMENTS

3. ALL CLADIFY PANELS ARE PORCELAIN FACING WITH ALUMINUM HONEY COMB BACKING.

4. DUE TO THE SIZE OF THE PANELS, THE PRODUCTION MANAGER MAY SUGGEST THICKER ALUMINUM BACKING SYSTEM.

5. DUE TO THE SIZE OF THE PANELS, THE REQUIRED TEMPERATURE FOR INSTALLATION IS +12 °C.

6. ALL HORIZONTAL AND VERTICAL JOINTS ARE 20mm UNLESS NOTED OTHERWISE. MAKE UP ALONG ENTIRE LENGTH TO ACCOUNT FOR DIMENSIONAL ROUNDING OF INDIVIDUAL STONE LENGTHS.

7. SITE CUT STONE TO SUIT CONDITIONS ARE REQUIRED

8. DO NOT SCALE DRAWING. 9. PANEL SIZE TOLERANCE IS -1-2 INCHES

10. DUE TO WALL ASSEMBLY DEPTH, CLADDING SYSTEM MAY VARY.

11. SYSTEM SIZE TO BE CONFIRMED. 12. PENETRATIONS TO BE SEALED

13. PRINT IN COLOR

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