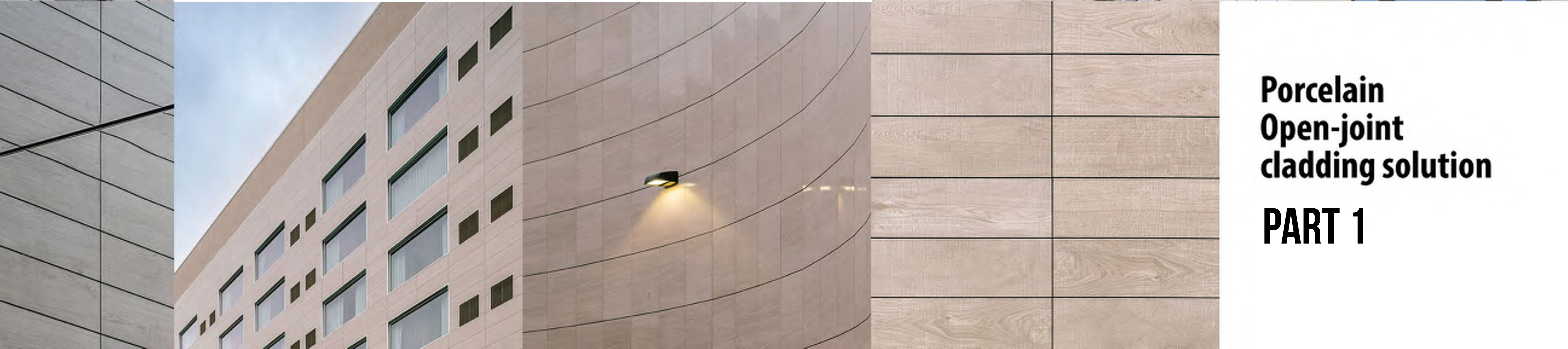


FONTILE PRESENTS
PORCELANOSA FACADES



**Porcelain
Open-joint
cladding solution**

PART 1

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008	THE CORNER SOLUTION
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PROJECT NAME:
TECHNICAL BOOK
 OPEN-JOINT PORCELAIN CLADDING
 SOLUTIONS

PORCELANOSA
FAÇADE/

IMPORTANT NOTES:
 PLEASE NOTE: THESE ARE CONCEPTUAL DETAILS. PROJECT SPECIFIC DETAILS MUST BE REVIEWED WITH PORCELANOSA. ALL DATA CONTAINED HERE IN IS THE PROPERTY OF PORCELANOSA AND SHALL NOT BE COPIED, REPRODUCED OR DISSEMINATED WITHOUT PRIOR WRITTEN APPROVAL FROM PORCELANOSA. COMMERCIAL ARCHITECTURAL FIRMS MAY INCORPORATE THESE CONCEPTUAL DETAILS INTO ARCHITECTURAL DRAWINGS.

REVISIONS:

DATE	REV.	DESCRIPTION

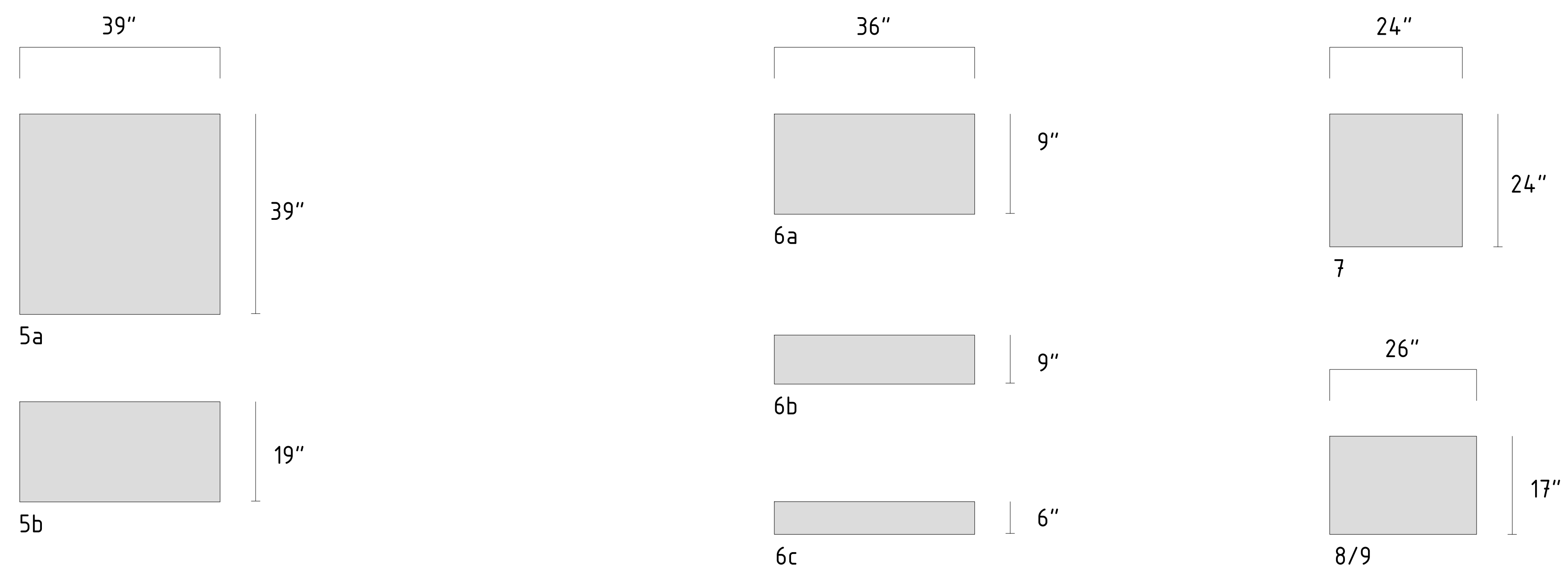
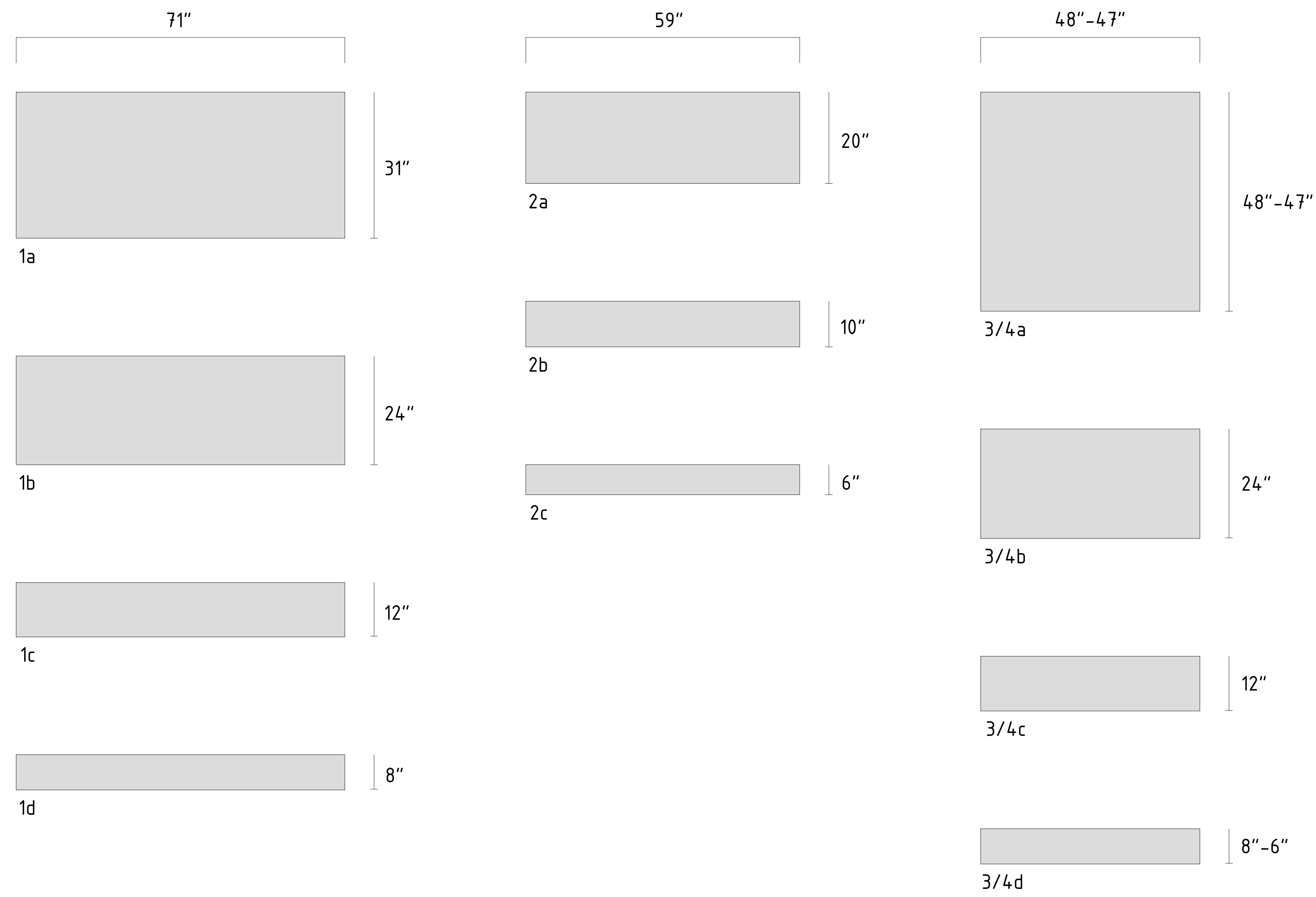
SHEET TITLE:
INDEX

SCALE:

SHEET NO:
000

REVISION:

1 - STANDARD PORCELAIN PANELS - MOLDS & SIZES



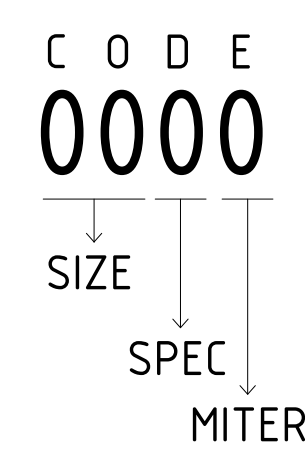
IMPORTANT NOTES:

1. NOT ALL FINISHES ARE AVAILABLE IN ALL SIZES. PLEASE CHECK WITH PORCELANOSA SALES REPRESENTATIVE FOR AVAILABLE FINISHES FOR EACH OF THE SIZES SHOWN IN THIS DRAWING.
2. MINIMUM QUANTITY REQUIRED FOR A SPECIAL PRODUCTION IS 15,000 SF. WITH THIS, ANY PORCELAIN FINISH CLASSIFIED AS "FLOOR TILE" CAN BE PRODUCED IN ANY SIZES SHOWN IN THE DRAWING.
3. ALL PANELS SUPPLIED WITH SAFETY FIBERGLASS MESH.
4. ALL PANELS AVAILABLE WITH CONCEALED OR EXPOSED FASTENER.

2 - EXACT DIMENSIONS

Panel Index	Width		Height		Thickness	
	inches	mm	inches	mm	inches	mm
1a	70-7/8"	1800	31-1/2"	800	0,45"	11,5
1b	70-7/8"	1800	23-7/16"	596	0,45"	11,5
1c	70-7/8"	1800	11-9/16"	294	0,45"	11,5
1d	70-7/8"	1800	7-5/8"	193	0,45"	11,5
2a	59-1/16"	1500	19-11/16"	500	0,43"	11
2b	59-1/16"	1500	9-13/16"	250	0,43"	11
2c	59-1/16"	1500	6-1/2"	165	0,43"	11
3a	47-1/4"	1200	47-1/4"	1200	0,45"	11,5
3b	47-1/4"	1200	23-7/16"	596	0,45"	11,5
3c	47-1/4"	1200	11-9/16"	294	0,45"	11,5
3d	47-1/4"	1200	7-5/8"	193	0,45"	11,5
4a	46-7/8"	1190	46-7/8"	1190	0,47"	12
4b	46-7/8"	1190	23-3/8"	594	0,47"	12
4c	46-7/8"	1190	11-5/8"	296	0,47"	12
4d	46-7/8"	1190	5-13/16"	147	0,47"	12
5a	39-6/16"	1000	39-6/16"	1000	0,43"	11
5b	39-6/16"	1000	19-10/16"	500	0,43"	11
6a	35-7/16"	900	17-11/16"	450	0,41"	10,5
6b	35-7/16"	900	8-11/16"	220	0,41"	10,5
6c	35-7/16"	900	5-5/8"	143	0,41"	10,5
7	23-7/16"	596	23-7/16"	596	0,44"	11,2
8	26"	660	17-5/16"	440	0,41"	10,5
9	25-15/16"	659	17-1/8"	435	0,41"	10,5

3 - PANEL CODE NOMENCLATURE

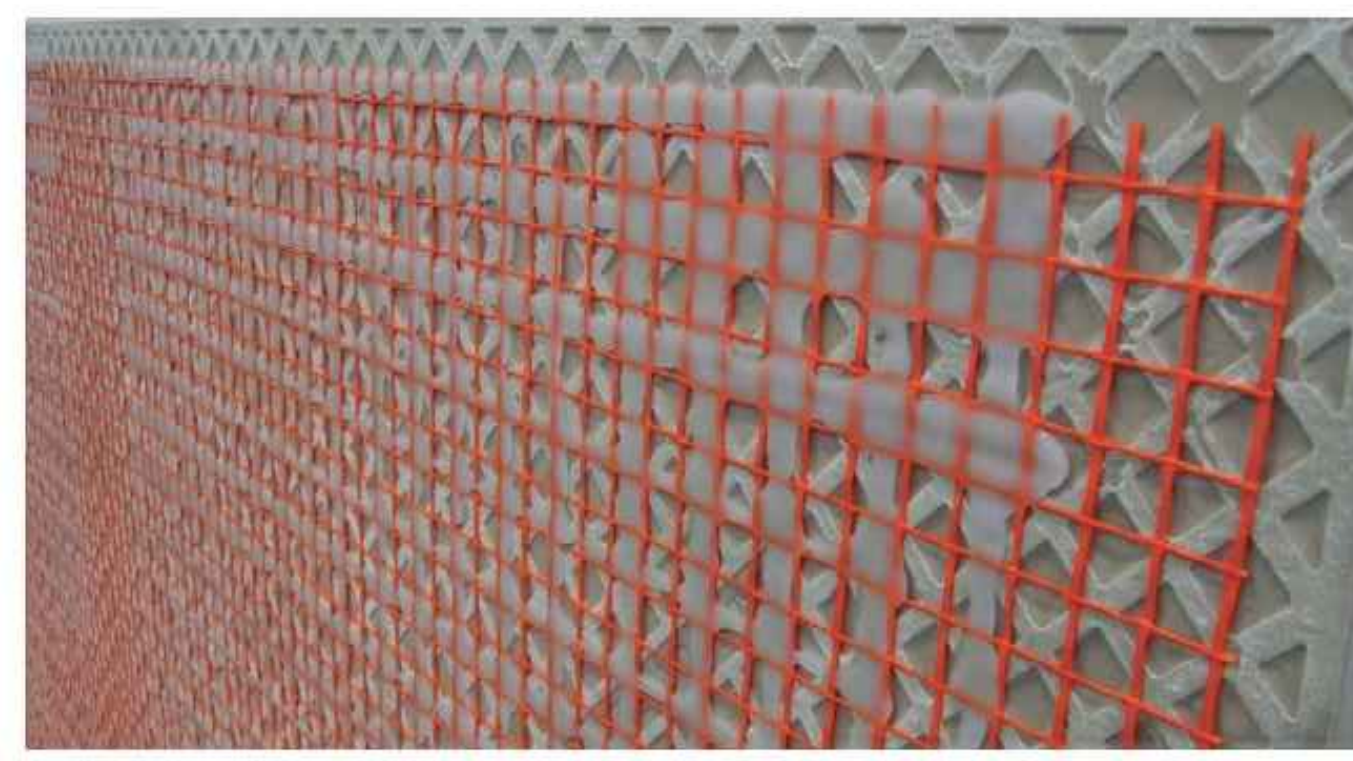


SPEC. LEGEND		
0	BASE	[Symbol]
1	ML	[Symbol]
2	ML+R8H	[Symbol]
3	ML+R4V+R2H	[Symbol]
4	ML+R4V+R4H	[Symbol]
5	ML+R6H	[Symbol]
6	ML+R2V+R6H	[Symbol]
7	ML+R4H	[Symbol]
8	ML+R4V	[Symbol]
9	ML+R2V	[Symbol]

MITERED SIDES LEGEND		
0	NO MITER SIDES	[Symbol]
1	LC1	[Symbol]
2	LC2	[Symbol]
3	LL1	[Symbol]
4	LL2	[Symbol]

4 - SAFETY FIBERGLASS MESH

ALL PORCELAIN PANELS SUPPLIED WITH SAFETY FIBERGLASS MESH.



REAR SIDE OF THE PANEL

IMPORTANT NOTES:
PLEASE NOTE: THESE ARE CONCEPTUAL DETAILS. PROJECT SPECIFIC DETAILS MUST BE REVIEWED WITH PORCELANOSA. ALL DATA CONTAINED HERE IN IS THE PROPERTY OF PORCELANOSA AND SHALL NOT BE COPIED, REPRODUCED OR DISSEMINATED WITHOUT WRITTEN APPROVAL FROM PORCELANOSA. CONCEPTUAL ARCHITECTURAL FORMS MAY INCORPORATE THESE CONCEPTUAL DETAILS INTO ARCHITECTURAL DRAWINGS.

REVISIONS:		
DATE	REV.	DESCRIPTION

SHEET TITLE:
MOLDS & PANEL SIZES
CODES & SPECS LEGEND

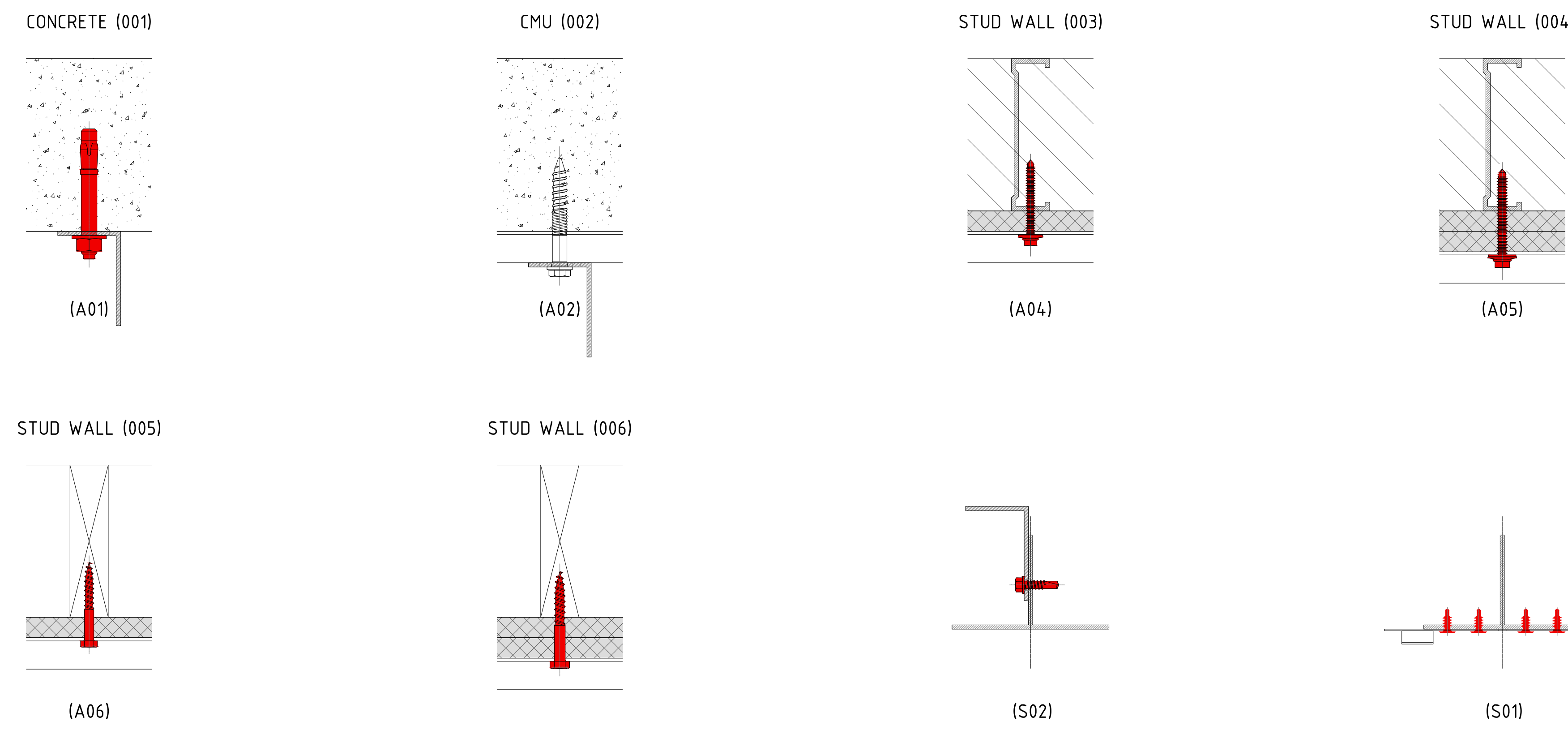
SCALE:
NTS

SHEET NO: **001** REVISION:

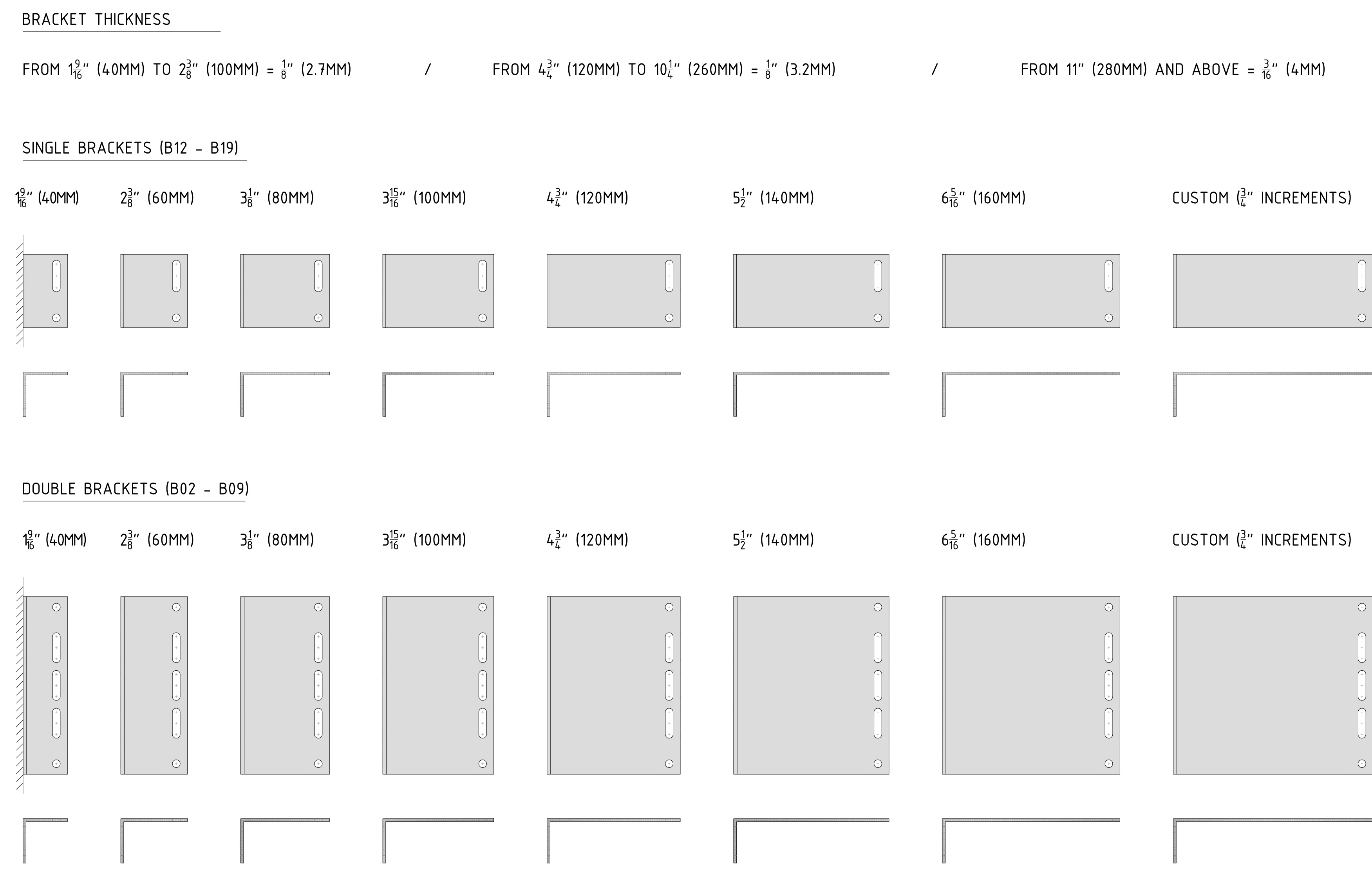
1 - MATERIAL LEGEND

CODE	ITEM DESCRIPTION
A01	VFS ANCH CONCRETE SLAB HLTI #02
A02	VFS ANCH CONCRETE/CMU WALL ULTRASON
A03	VFS ANCH CONCRETE/CMU WALL ULTRASON LONG
A04	VFS ANCH METAL/STUD SHEATH HLTI & WAS
A05	VFS ANCH METAL/STUD SHEATH ELCO DRIFLEX
A06	VFS ANCH WOOD STUD SIMPSON
A07	VFS ANCH STEEL HLTI
B01	VFS THERMAL BRIDGE 1/8" DOUBLE BRACKETS
B02	VFS DOUBLE L-BRACKET 5-1/8" (140MM)
B03	VFS DOUBLE L-BRACKET 3-1/2" (90MM)
B04	VFS DOUBLE L-BRACKET 3-1/4" (86MM)
B05	VFS DOUBLE L-BRACKET 4" (100MM)
B06	VFS DOUBLE L-BRACKET 4-3/4" (120MM)
B07	VFS DOUBLE L-BRACKET 5-1/2" (140MM)
B08	VFS DOUBLE L-BRACKET 6-5/8" (168MM)
B09	VFS DOUBLE L-BRACKET 7-1/8" (184MM)
B11	VFS THERMAL BRIDGE 1/8" SINGLE BRACKETS
B12	VFS SINGLE L-BRACKET 3-9/16" (94MM)
B13	VFS SINGLE L-BRACKET 2-4/8" (86MM)
B14	VFS SINGLE L-BRACKET 3-1/8" (80MM)
B15	VFS SINGLE L-BRACKET 4" (100MM)
B16	VFS SINGLE L-BRACKET 4-3/4" (120MM)
B17	VFS SINGLE L-BRACKET 5-1/2" (140MM)
B18	VFS SINGLE L-BRACKET 6-5/8" (168MM)
B19	VFS SINGLE L-BRACKET 7-1/8" (184MM)
F01	VFS FIXING DEPTH 6MM JOINT START/END BL
F02	VFS FIXING DEPTH 6MM JOINT 3/16" CE BL
F03	VFS FIXING DEPTH 6MM JOINT 3/16" LA BL
F04	VFS FIXING DEPTH 6MM JOINT 3/16" ST BL
F05	VFS FIXING DEPTH 6MM JOINT 5/16" CE BL
F06	VFS FIXING DEPTH 6MM JOINT 5/16" LA BL
F07	VFS FIXING DEPTH 6MM JOINT 5/16" ST BL
F11	VFS FIXING DEPTH 7.5MM START/END BL
F12	VFS FIXING DEPTH 7.5MM JOINT 3/16" CE BL
F13	VFS FIXING DEPTH 7.5MM JOINT 3/16" LA BL
F14	VFS FIXING DEPTH 7.5MM JOINT 3/16" ST BL
F15	VFS FIXING DEPTH 7.5MM JOINT 5/16" CE BL
F16	VFS FIXING DEPTH 7.5MM JOINT 5/16" LA BL
F17	VFS FIXING DEPTH 7.5MM JOINT 5/16" ST BL
F21	VFS FIXING DEPTH 9MM START/END BL
F22	VFS FIXING DEPTH 9MM JOINT 3/16" CE BL
F23	VFS FIXING DEPTH 9MM JOINT 3/16" LA BL
F24	VFS FIXING DEPTH 9MM JOINT 3/16" ST BL
F25	VFS FIXING DEPTH 9MM JOINT 5/16" CE BL
F26	VFS FIXING DEPTH 9MM JOINT 5/16" LA BL
F27	VFS FIXING DEPTH 9MM JOINT 5/16" ST BL
F31	VFS FIXING DEPTH 12MM START/END BL
F32	VFS FIXING DEPTH 12MM JOINT 3/16" CE BL
F33	VFS FIXING DEPTH 12MM JOINT 3/16" LA BL
F34	VFS FIXING DEPTH 12MM JOINT 3/16" ST BL
F35	VFS FIXING DEPTH 12MM JOINT 5/16" CE BL
F36	VFS FIXING DEPTH 12MM JOINT 5/16" LA BL
F37	VFS FIXING DEPTH 12MM JOINT 5/16" ST BL
F41	VFS FIXING DEPTH 14MM START/END BL
F42	VFS FIXING DEPTH 14MM JOINT 3/16" CE BL
F43	VFS FIXING DEPTH 14MM JOINT 3/16" LA BL
F44	VFS FIXING DEPTH 14MM JOINT 3/16" ST BL
F45	VFS FIXING DEPTH 14MM JOINT 5/16" CE BL
F46	VFS FIXING DEPTH 14MM JOINT 5/16" LA BL
F47	VFS FIXING DEPTH 14MM JOINT 5/16" ST BL
F51	VFS FIXING DEPTH 14MM START/END 1036
F52	VFS FIXING DEPTH 14MM JOINT 3/16" CE 1036
F53	VFS FIXING DEPTH 14MM JOINT 3/16" LA 1036
F54	VFS FIXING DEPTH 14MM JOINT 3/16" ST 1036
F55	VFS FIXING DEPTH 14MM JOINT 5/16" CE 1036
F56	VFS FIXING DEPTH 14MM JOINT 5/16" LA 1036
F57	VFS FIXING DEPTH 14MM JOINT 5/16" ST 1036
G01	VFS CONSTRUCTION ADHESIVE P424 BL
G02	VFS DOW CORNING 795
S01	SOLID WALL - REINFORCED CONCRETE SLAB 1000 PSI
S02	SOLID WALL - 8" CMU WALL REINFORCED WITH #5 BARS 24" O.C.
S03	STUD WALL - 6"-REGA, 16" O/C STEEL STUDS - SINGLE GYPSUM SHEATHING
S04	STUD WALL - 6"-REGA, 16" O/C STEEL STUDS - DOUBLE GYPSUM SHEATHING
S05	WOOD STUD WALL - WOOD STUDS 2X15 THICK - 16" O/C WOOD STUD - SINGLE GYPSUM SHEATHING
S06	WOOD STUD WALL - WOOD STUDS 2X15 THICK - 16" O/C WOOD STUD - DOUBLE GYPSUM SHEATHING
X01	DAMP-PROOF (COARSE EPDM)
X02	WINDOW SYSTEM
X03	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM ON THE OTHER
X04	ALUMINUM FLASHING
X05	VFS PROFILE T 10FT (EM)
X06	VFS PROFILE L 10FT (EM)
X07	VFS PROFILE OMEGA 10FT (EM)
X08	VFS PROFILE OMEGA 10FT BLAK (EM)
X09	VFS SCREW FIXING PLATE
X10	VFS SCREW PROFILES T/L (ENCL WASHER)
X11	VFS CROSS SPACERS 3/16" (EM) PAK1000
X12	VFS CROSS SPACERS 3/8" (EM) PAK1000
X13	VFS CROSS SPACERS 1/2" (EM) PAK1000
X14	VFS LEVELING SPACER 3/16" (EM)
X15	VFS LEVELING SPACER 1/2" (EM) PAK500
X16	VFS LEVELING WEDGE
X17	VFS LEVELING TOOL
X18	VFS FLEXIBLE WEDGE
X19	VFS RAMONDI KERF SAW MACHINE (3 PARTS)
X20	VFS DIAMOND BLADE 5" (DRY/WET)
X21	VFS WATER FEED SYSTEM FOR RAMONDI
X22	VFS WASHER IN DIM 1/4"MM OUT DIM 10/16"
X23	VFS WASHER IN DIM 1/4"MM OUT DIM 1"
X24	VFS WASHER IN DIM 5/16" OUT DIM 10/16"
X25	VFS WASHER IN DIM 5/16" OUT DIM 1"
X26	
X27	
X28	
X29	
X30	
X31	
X32	
X33	
X34	
X35	
X36	

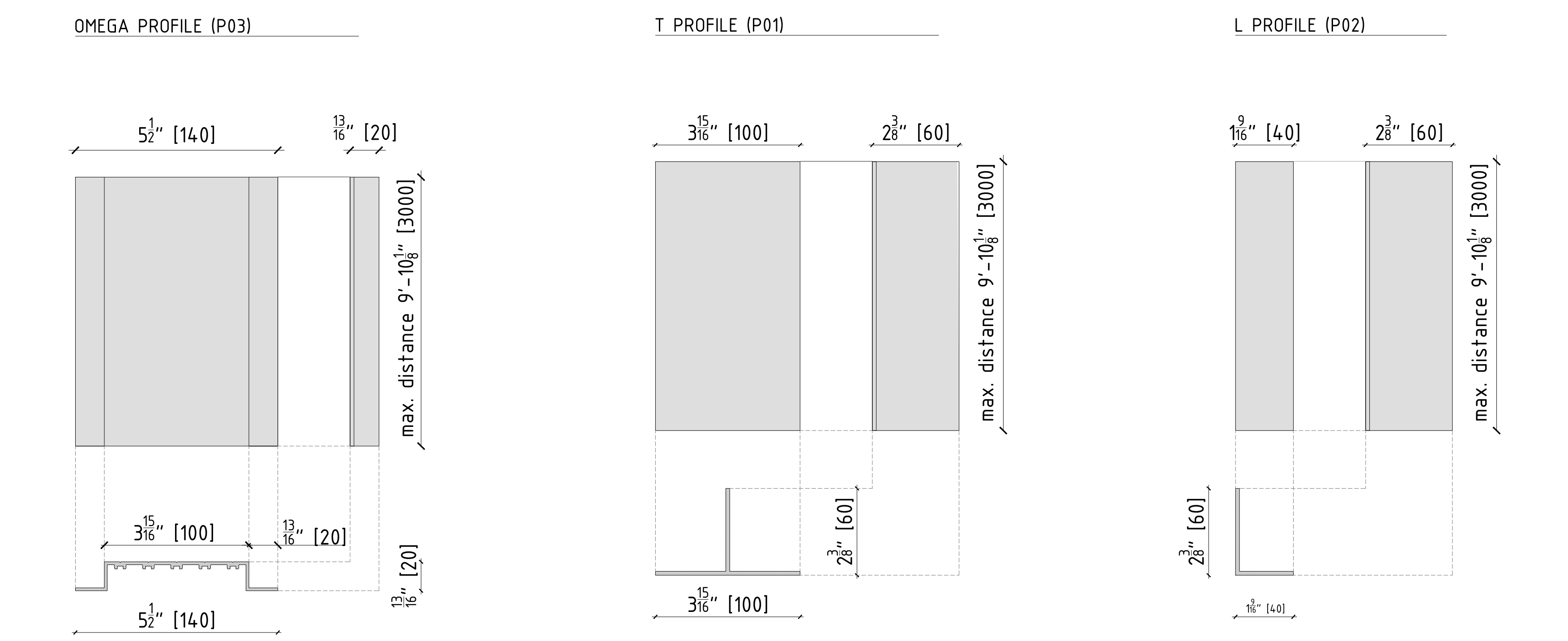
2 - ANCHORS & SCREWS



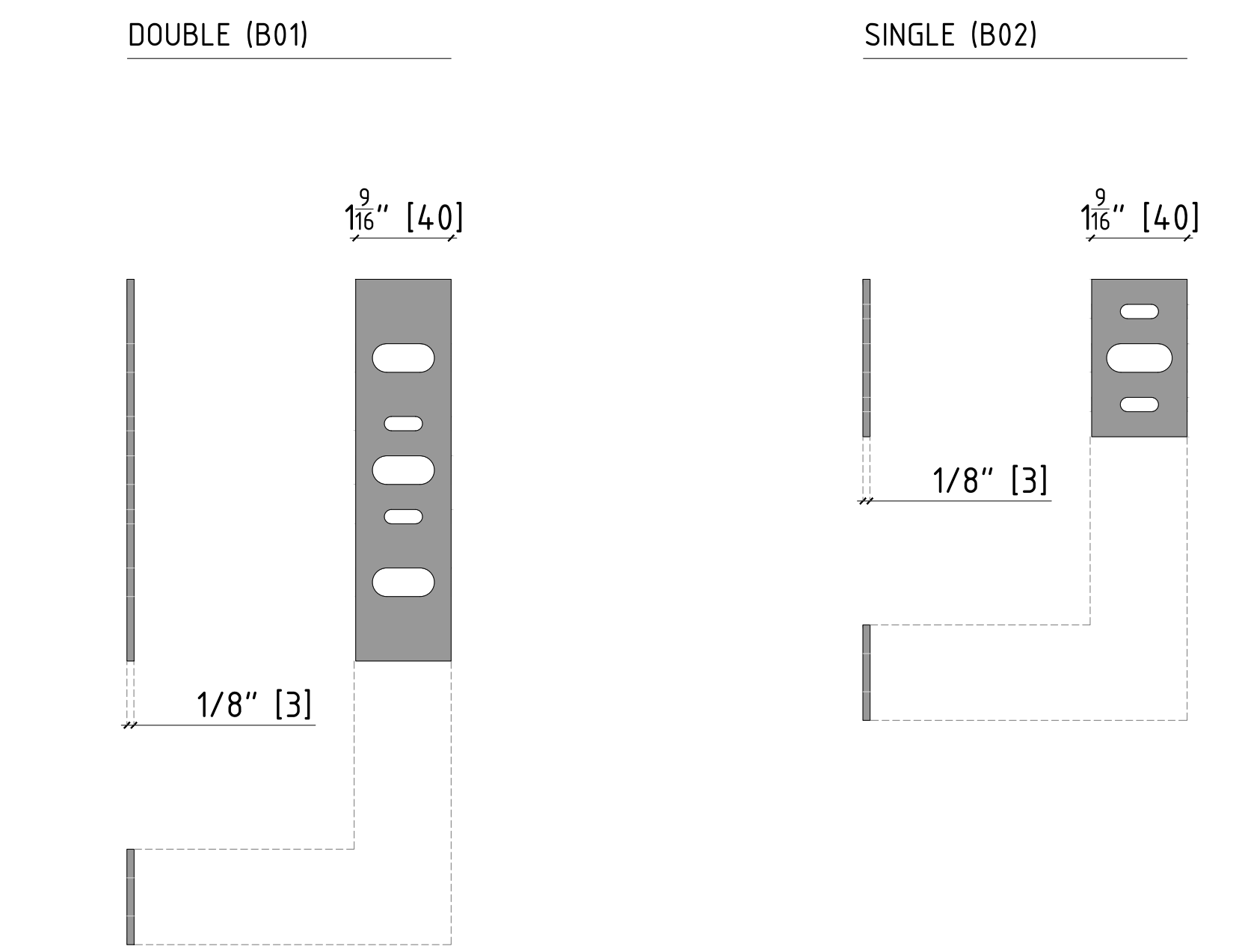
3 - SUPPORT BRACKETS



4 - STANDARD SYSTEM PROFILES



5 - THERMAL ISOLATOR



6 - FIXING PLATES

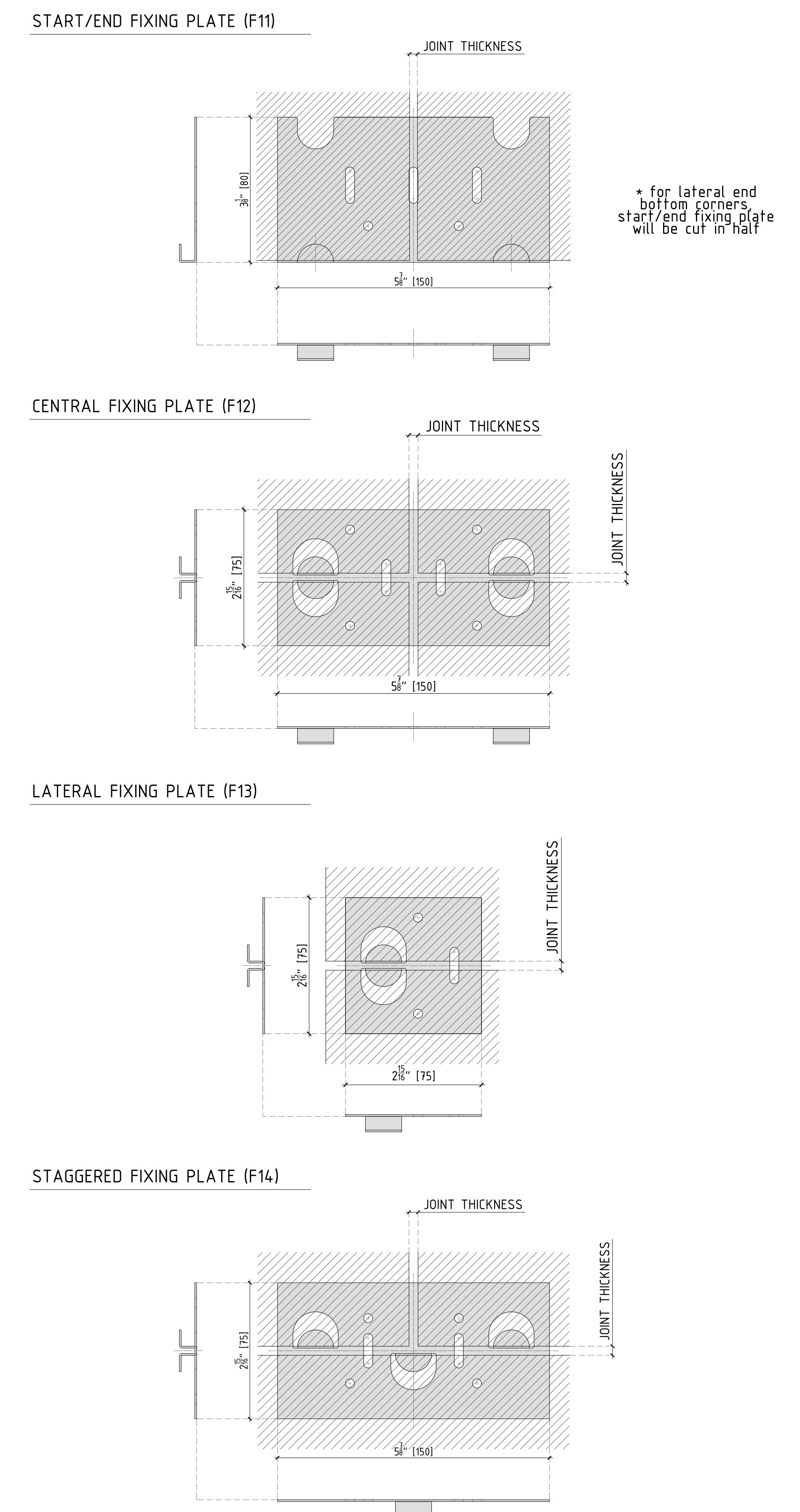
THERE ARE 2 SETS OF FIXING PLATES:

SET 1 TO BE USED FOR A 3/16" (5MM) WIDE HORIZONTAL JOINT.

SET 2 TO BE USED FOR A 5/16" (8MM) WIDE HORIZONTAL JOINT.

BOTH SETS ARE AVAILABLE FOR CONCEALED OR EXPOSED FIXING SYSTEMS. WHAT DEFINES THE WIDTH OF THE HORIZONTAL JOINT IS THE SPACING BETWEEN CLIPS WITHIN THE FIXING PLATE.

SET 1 FOR CONCEALED FIXING SYSTEM IN SHOWN BELOW.



PROJECT NAME: -

ARCHITECT: -

PROJECT NO: 00.000 STATUS: -

PORCELANOSA FACADE/

IMPORTANT NOTES:

NOTE 1
THIS IS A REPRESENTATIVE DRAWING OF A PANEL LAYOUT FOR THE SIZE DESCRIBED HERE. ONLY IT MAY NOT BE USED AS A SHOP DRAWING AND IS MEANT TO SERVE AS A SAMPLE OF HOW THE PRODUCT MAY BE USED.

NOTE 2
THIS LAYOUT DOES NOT INCLUDE WASTE A WASTE FACTOR OF 15% IS RECOMMENDED FOR ALL PORCELAIN PANEL ORDERS TO ACCOUNT FOR TRUE WASTE. ADDITIONAL WASTE MAY BE ADDED AT THE INSTALLER'S DISCRETION.

NOTE 3
THIS SET OF SHOP DRAWINGS ARE EXCLUSIVELY FOR THE PORCELANOSA PORCELAIN PANEL EXTERIOR WALL SYSTEM. ANY OTHER DETAIL OR COMPONENT NOT PART OF THE PORCELAIN PANEL EXTERIOR WALL SYSTEM IS THEREFORE SHOWN IN THIS SHOP DRAWINGS ONLY MERELY INDICATIVELY AND IN NO WAY IT PROVIDES OR REPRESENTS GUIDANCE/INSTRUCTION FOR HOW THIS PROJECT SHOULD BE BUILT. PLEASE REFER TO THE RELEVANT SHOP DRAWING PACKAGE FOR COMPONENTS AND DETAILS OUTSIDE THE SCOPE OF THIS PORCELAIN PANEL EXTERIOR WALL SYSTEM SHOP DRAWING PACKAGE. WHERE THOSE COMPONENTS AND DETAILS ARE SHOWN, THEIR DESIGN, CONSTRUCTION DETAIL, SUPPORT SYSTEM, SUPPLY AND INSTALLATION WILL BE RESPONSIBILITY OF OTHERS (BY OTHERS).

NOTE 4
CUSTOMER IS RESPONSIBLE FOR ENSURING PROPER CONDITIONS AND REQUIREMENTS FOR INSTALLATION ARE MET PRIOR TO INSTALLATION.

NOTE 5
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND ANY DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF THE RELEVANT ENGINEER.

REVISIONS:

DATE	REV.	DESCRIPTION

SHEET TITLE:
SUBSTRUCTURE PARTS AND PIECES

SCALE:
NTS

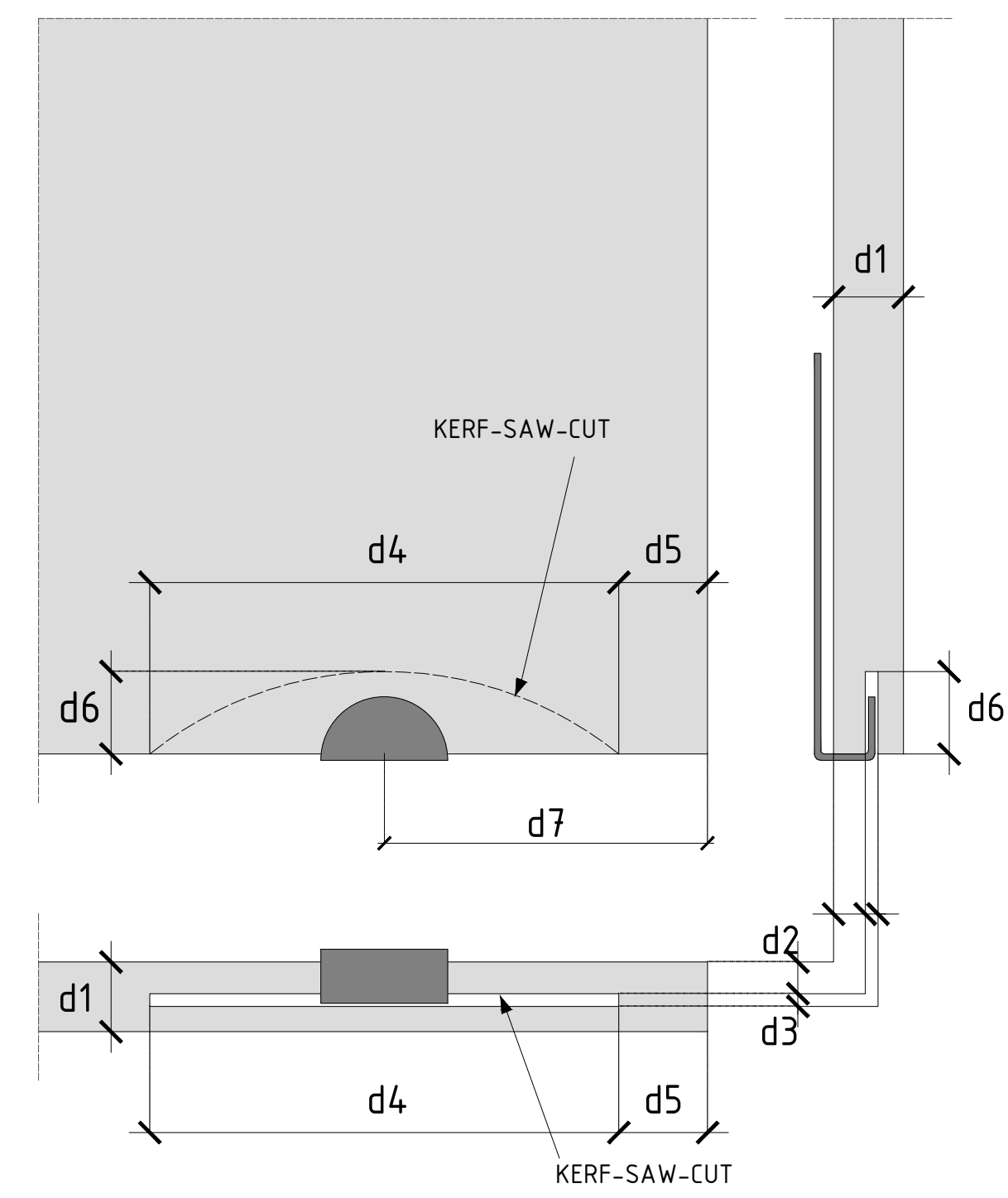
DRAWN BY: - CHECKED BY: IV

SHEET NO: 002 REVISION: -

PORCELANOSA PROPRIETARY FIXING SYSTEM CONSIST OF MULTIPLE CLIPS LOCATED AROUND THE PERIMETER OF THE PANEL TO SUPPORT THE WEIGHT OF THE PORCELAIN.

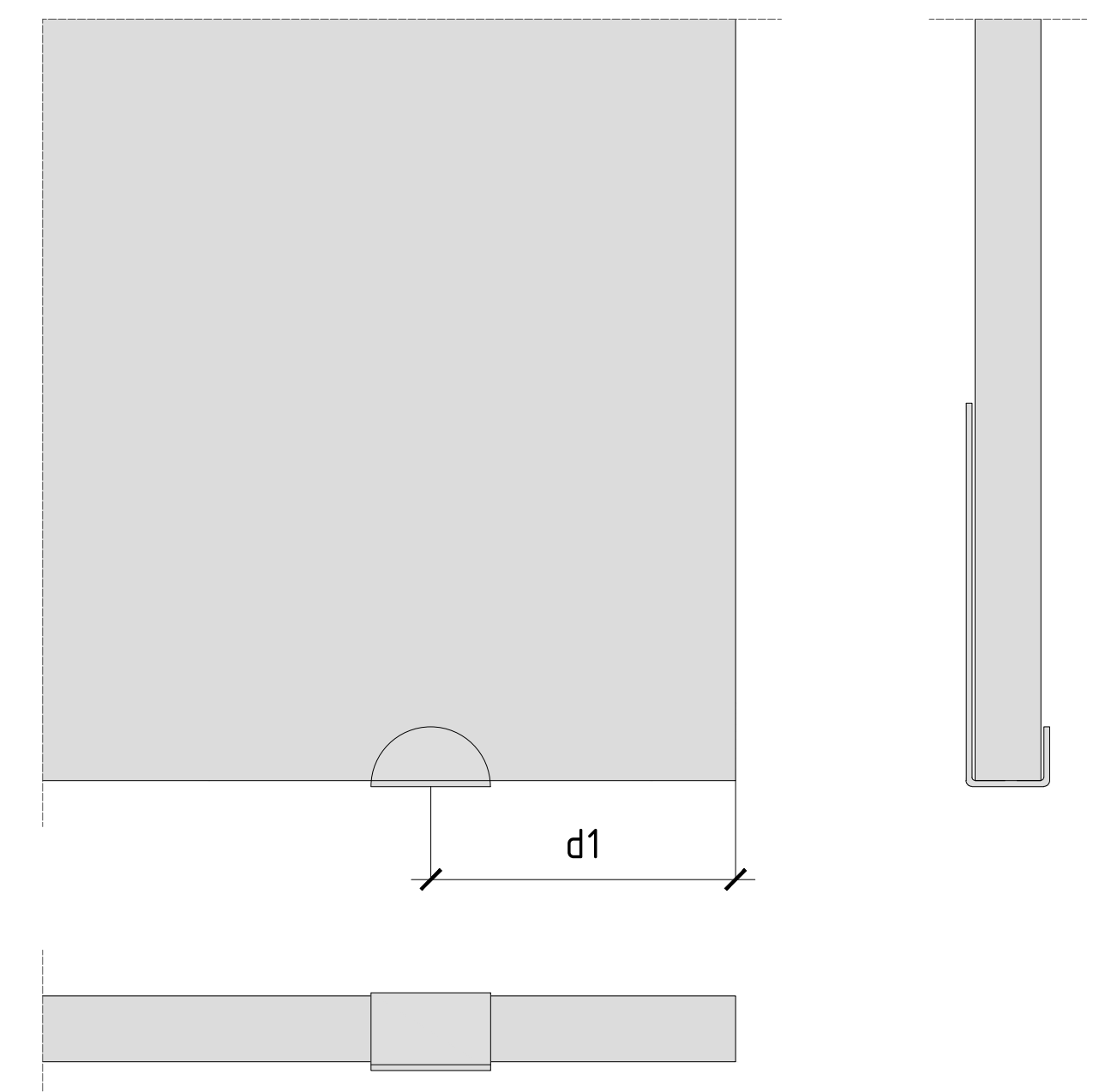
WHEN THE CONCEALED FIXING METHOD IS SELECTED, THE PANELS ARE SUPPLIED TO THE JOBSITE WITH KERF-SAW-CUTS ON ITS EDGE.

1 - CONCEALED FIXING SYSTEM



- d1 = note*
 - d2 = 0,197" (5mm)
 - d3 = 0,079" (2mm)
 - d4 = 2,913" (74mm)
 - d5 = 0,551" (14mm)
 - d6 = 0,512" (13mm)
 - d7 = 2" (51mm)
- note*
d1= typical thickness 7/16" (11mm) although it varies slightly depending on the size.

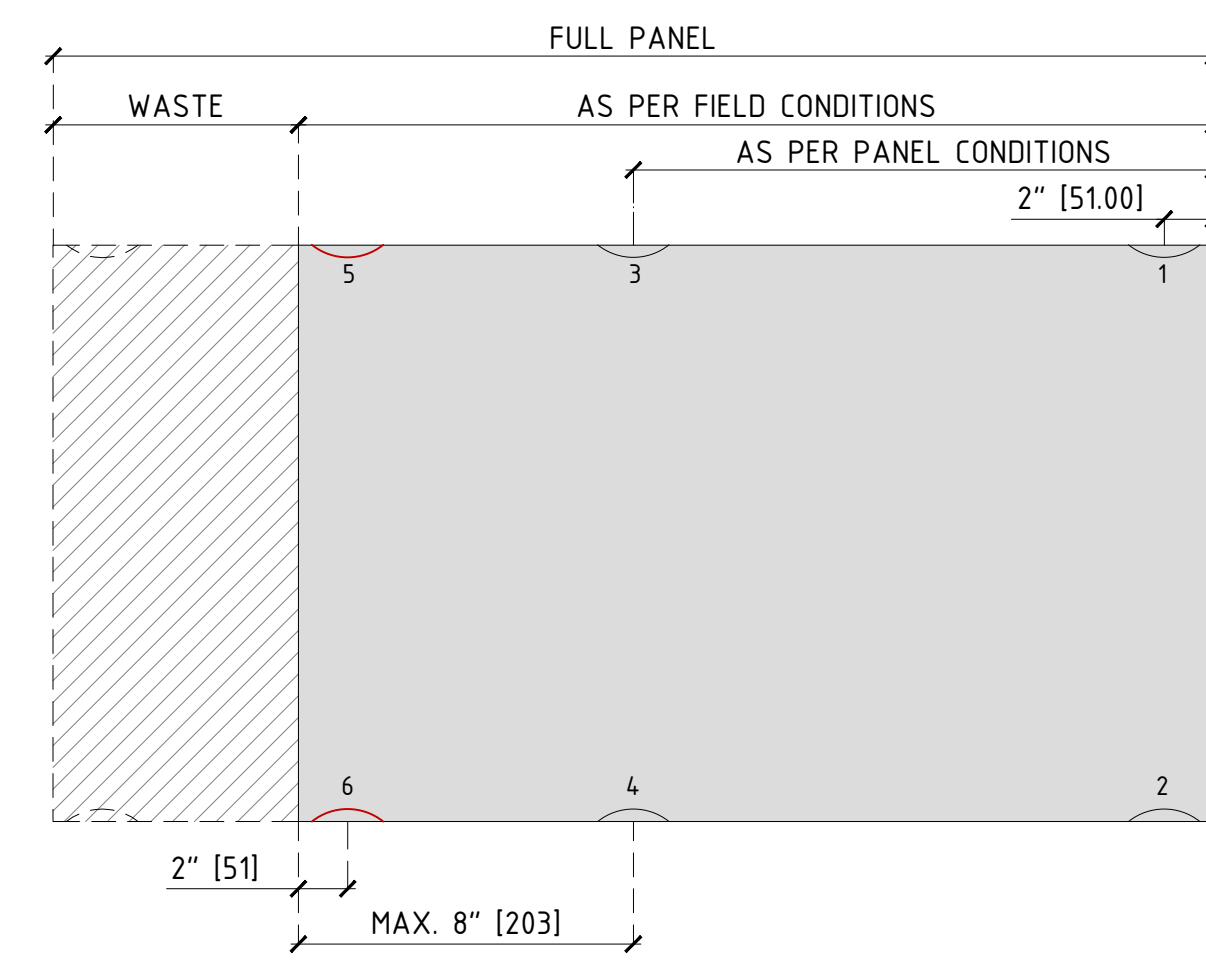
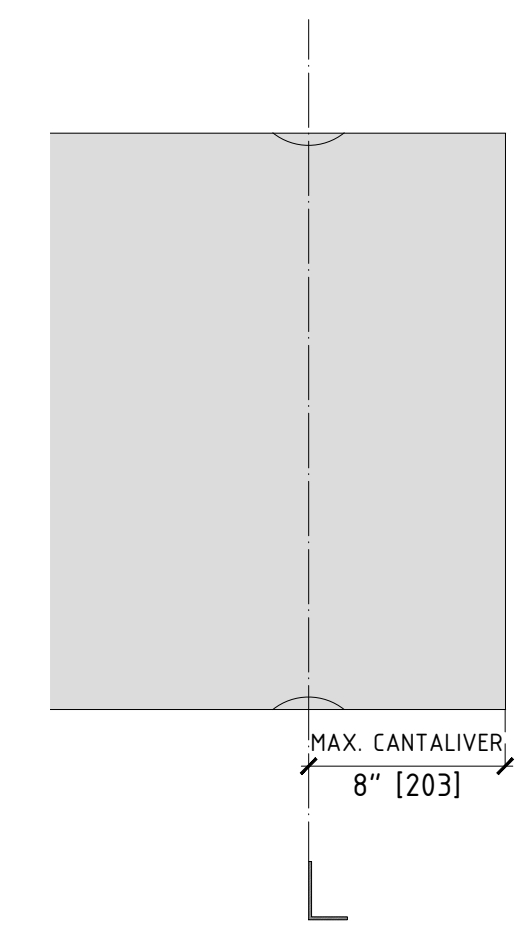
2 - EXPOSED FIXING SYSTEM



- d1 = TYP. 2" (51mm)
MAX. 8" (203mm)

3 - GUIDELINE FOR DOING KERF-SAW-CUTS AT JOBSITE

SOME PANELS MIGHT NEED TO BE CUT IN THE FIELD TO ADJUST TO SPECIFIC SITE MEASUREMENTS. WHEN DOING SO, KERF-SAW-CUTS MUST BE MADE AT THE NEW EDGE. THE POSITION AND GEOMETRY OF THE NEW KERF-SAW-CUT MUST BE IDENTICAL TO THE ORIGINAL ONE. IN ORDER TO DO SO, PLEASE REFER TO TABLE 2. PORCELANOSA PROPRIETARY KERF-SAW-CUTTING MACHINE MUST BE USED IN ORDER TO KEEP WARRANTY.



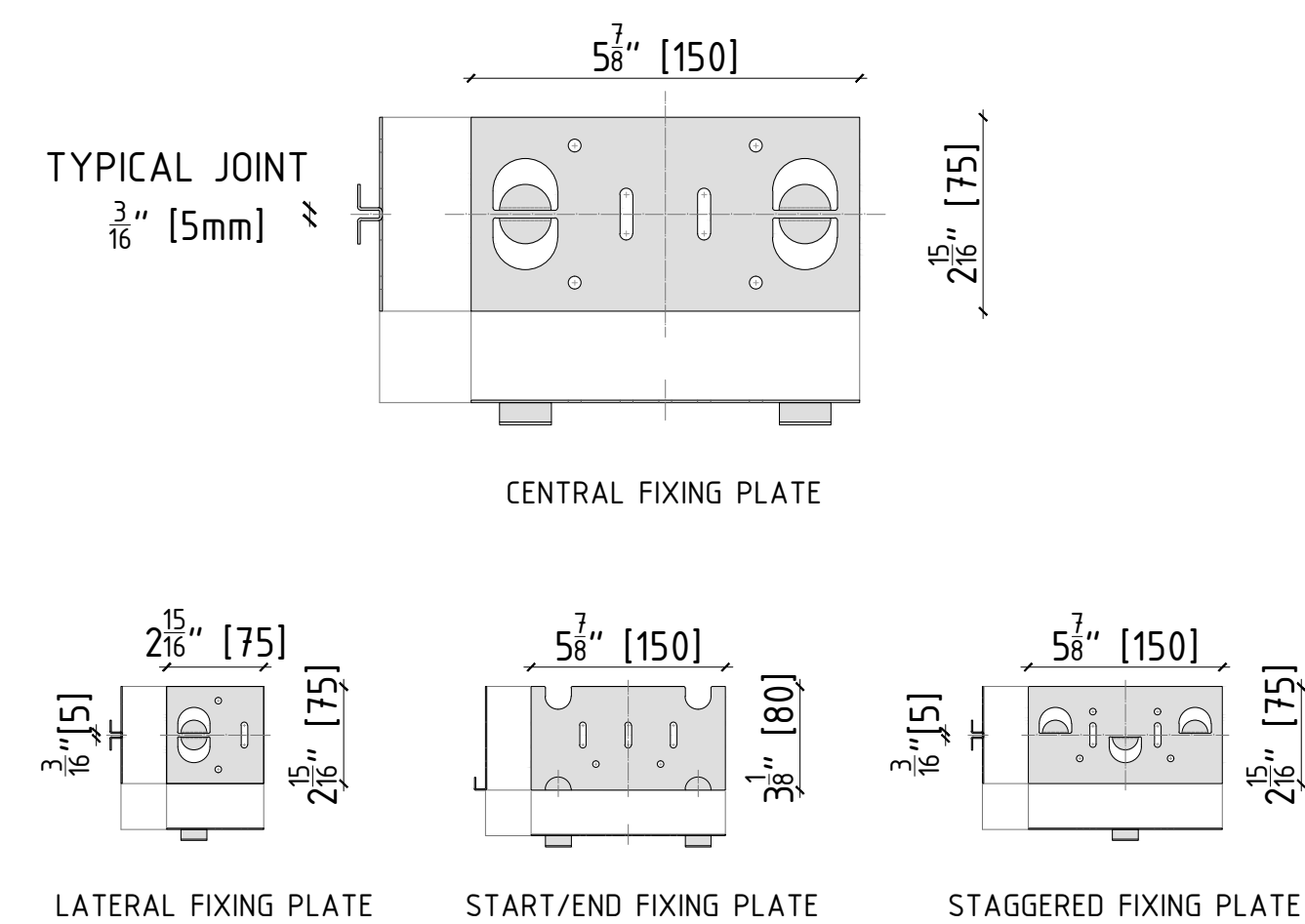
- Kerfs 1 to 4:
- Kerfs from factory
- Kerfs 5&6:
- New kerfs made at jobsite
- Kerfs 5 & 6 may not be necessary if distance from kerfs 3 & 4 is less than the maximum allowed cantilever of the panel which is 8"

IMPORTANT NOTES:

- i. ONLY DO NEW KERFS AT THE "NEW EDGE OF THE PANEL".
- ii. KERFS FROM FACTORY MUST BE ALWAYS USED IF POSSIBLE
- iii. KERFS ON SITE NOT NECESSARY IF LESS THAN MAXIMUM CANTILEVER
- iv. NEW KERFS CAN BE DONE WITH THE PROPER TOOL. PLEASE CONTACT PORCELANOSA FOR TOOLING INFORMATION

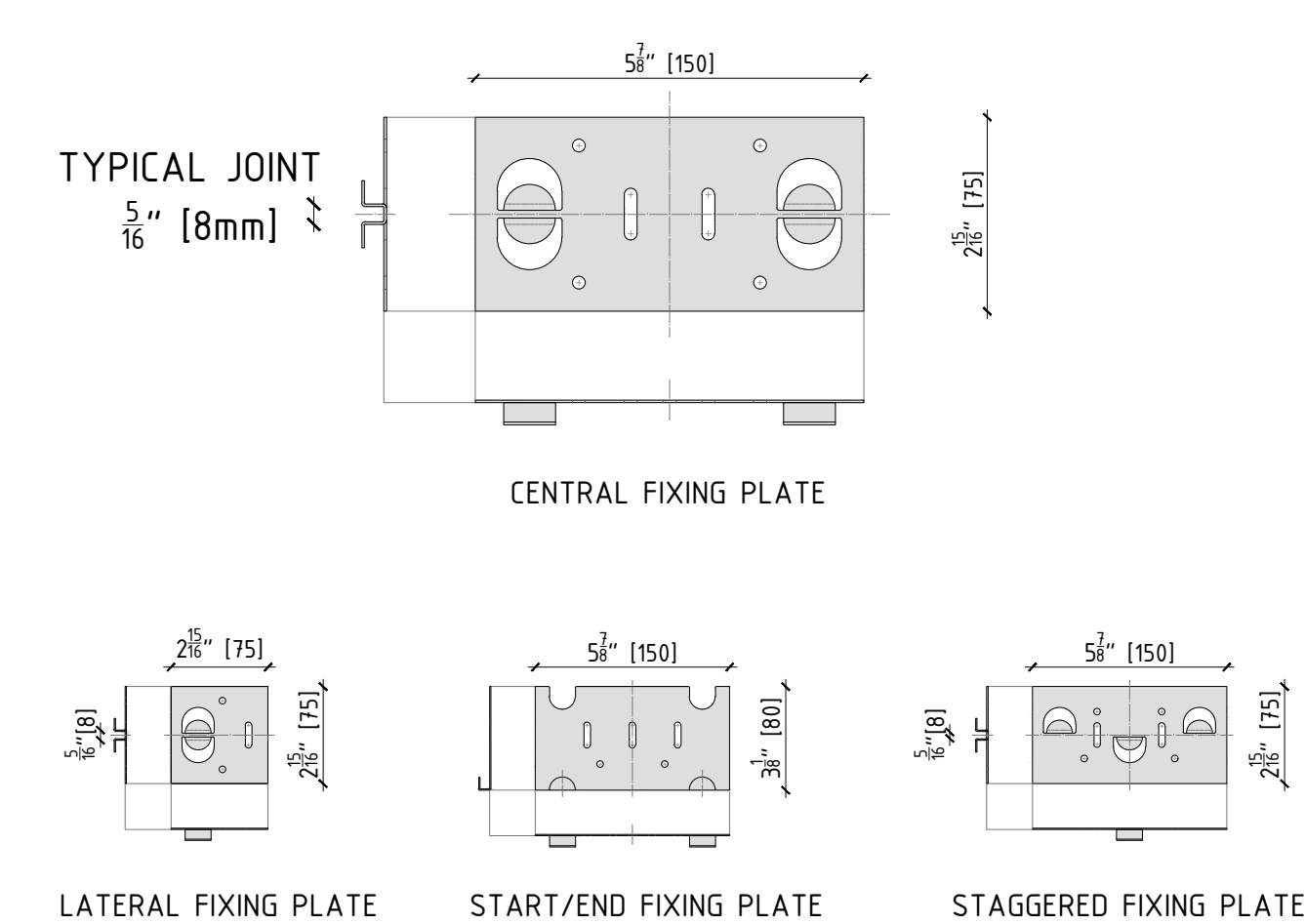
4 - TYPES OF FIXING PLATES

HORIZONTAL JOINT WIDTH OF 3/16" (5mm)
CONCEALED & EXPOSED SYSTEMS



* the start/end fixing plate will need to be cut in a half

HORIZONTAL JOINT WIDTH OF 5/16" (8mm)
CONCEALED & EXPOSED SYSTEMS



* the start/end fixing plate will need to be cut in a half

5 - KERF-SAW-CUTTING MACHINE FOR USE AT THE JOBSITE

FAÇADE PANELS OUTSIDE THE SIZES SUPPLIED FROM THE FACTORY AS NOTED IN SHOP DRAWINGS, WILL BE REQUIRED TO BE CUT IN THE FIELD BY THE INSTALLER AS NECESSARY.

WHEN THE CONCEALED FASTENER SYSTEM IS SELECTED, ALL PANELS SUPPLIED FROM THE FACTORY (EITHER IN FULL-SIZE OR PRE-CUT-TO-SIZE) WILL BE DELIVERED WITH KERF SAW CUTS. PANELS TO BE CUT-IN-THE FIELD WILL REQUIRE ADDITIONAL KERF SAW CUTS TO BE RE-MADE IN THE FIELD BY THE INSTALLER. KERF SAW CUTS MUST BE DONE WITH PORCELANOSA'S PROPRIETARY KERF SAW CUTTING MACHINE.

PORCELANOSA'S PROPRIETARY KERF-SAW-CUTTING MACHINE: TECHNICAL FEATURES.

- MAXIMUM LOAD SPEED 11,000 RPM
- 4" DIAMETER SPECIAL PORCELAIN WET CUT BLADE
- EASY ADJUSTMENT TO VARIOUS DEPTHS (3/4" MAX)
- ADJUSTABLE TO 6 POSITIONS
- ADJUSTABLE ANGLE OF BLADE
- SUPPLIED WITH AUTOMATIC WATER COOLING SYSTEM

PROCEDURE FOR DOING THE KERF SAW CUT AT THE JOBSITE



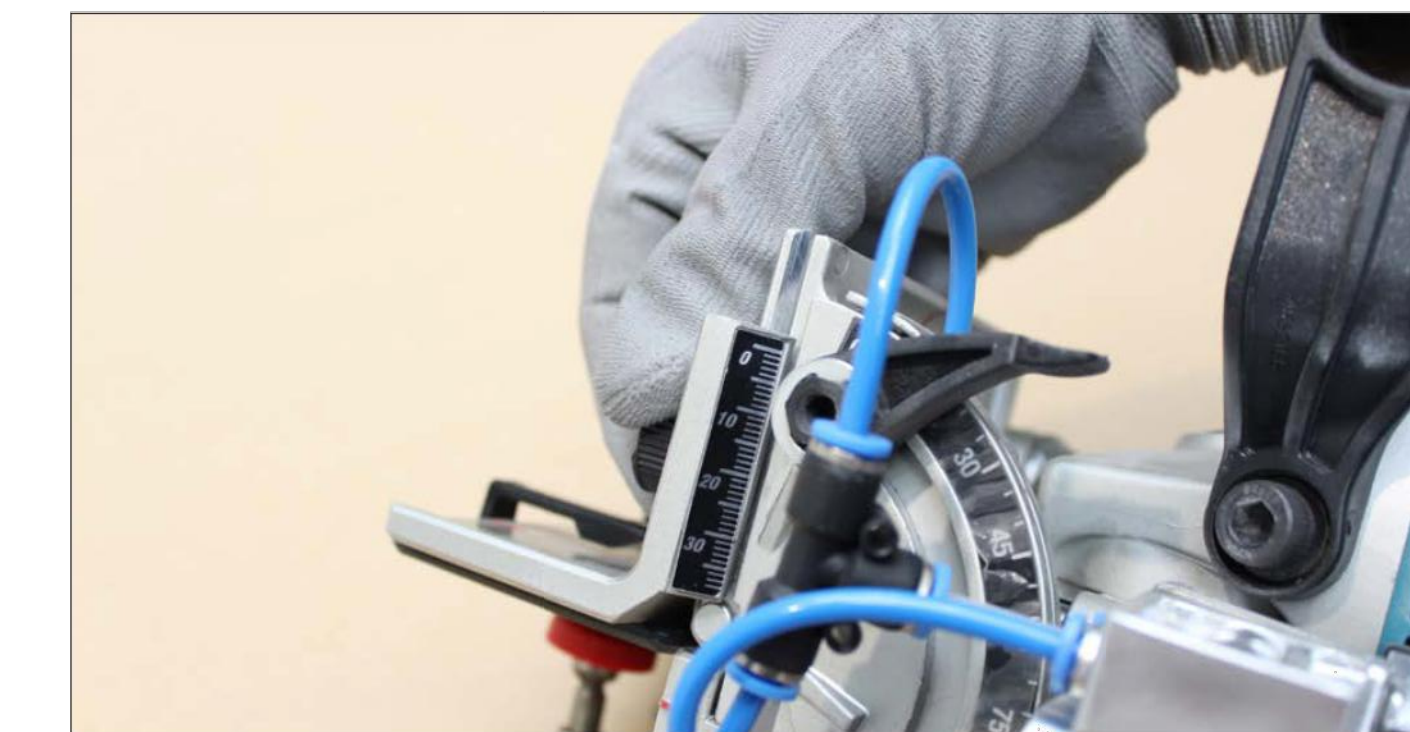
1. Make mark with position of kerf.



2. Check User Manual and Instructions.



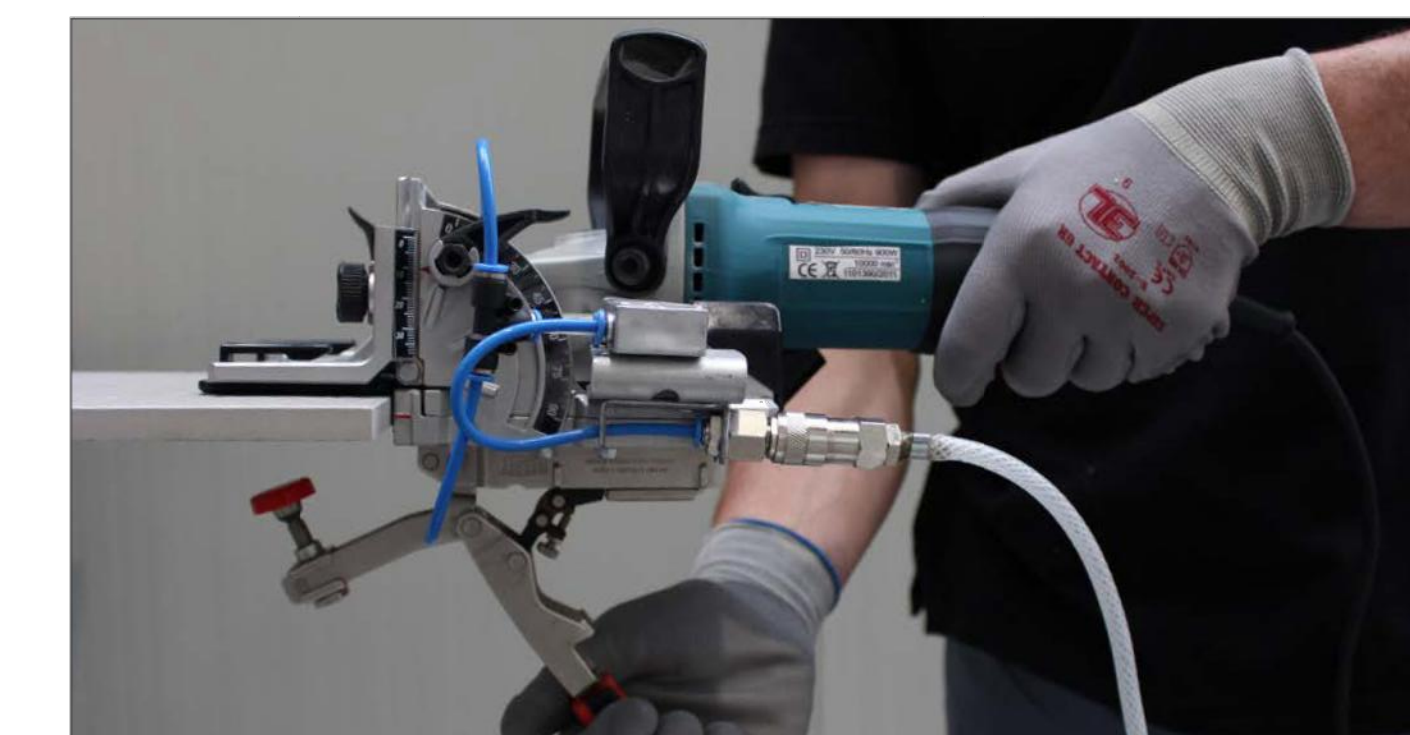
3. Check Blade is in Good Condition.



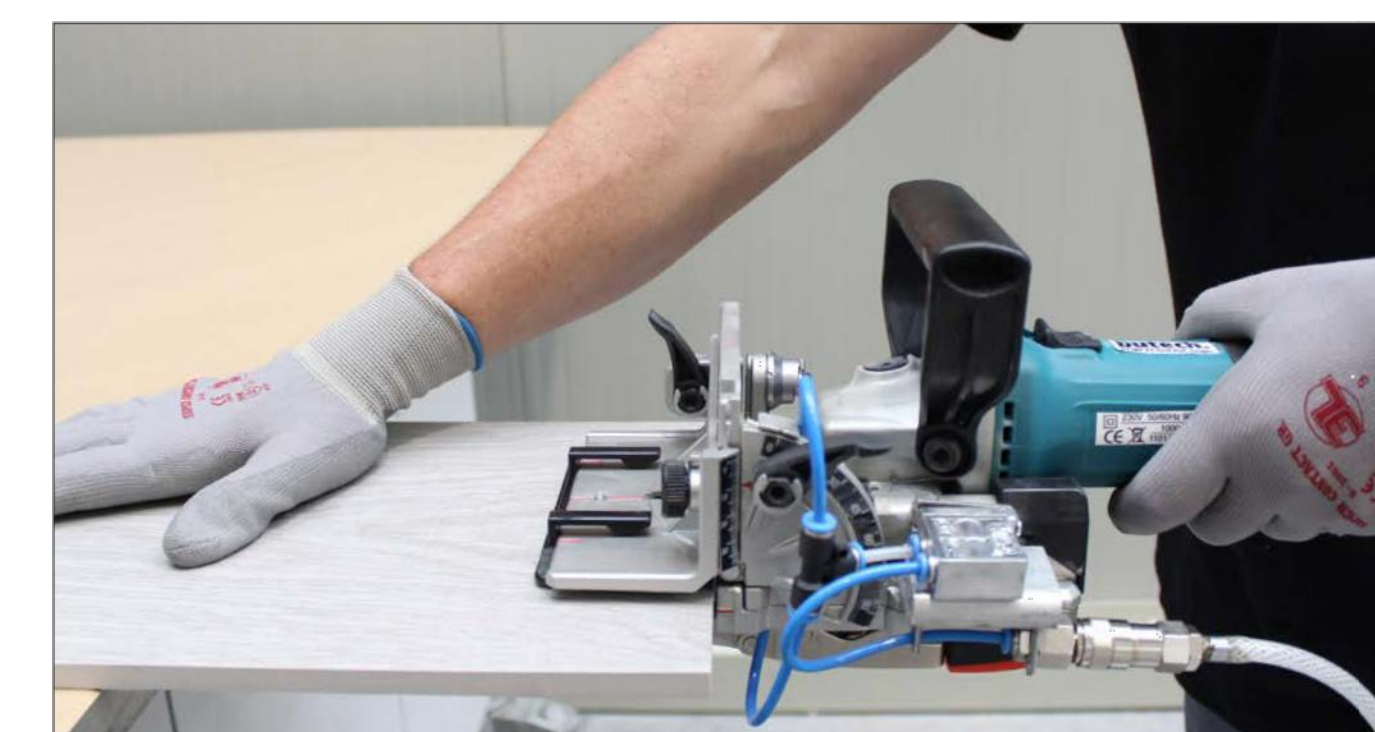
4. Adjust tool based on final position of kerf and thickness of panel.



5. Turn tool on and check water cooling system works correctly.



6. Position panel.



7. Check position and dimensions of kerf match guidelines show in this document.



8. Check the panel mechanical resistance is not compromised and that the clips fit in the kerf.

IMPORTANT NOTES:
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REVISIONS:		
DATE	REV.	DESCRIPTION

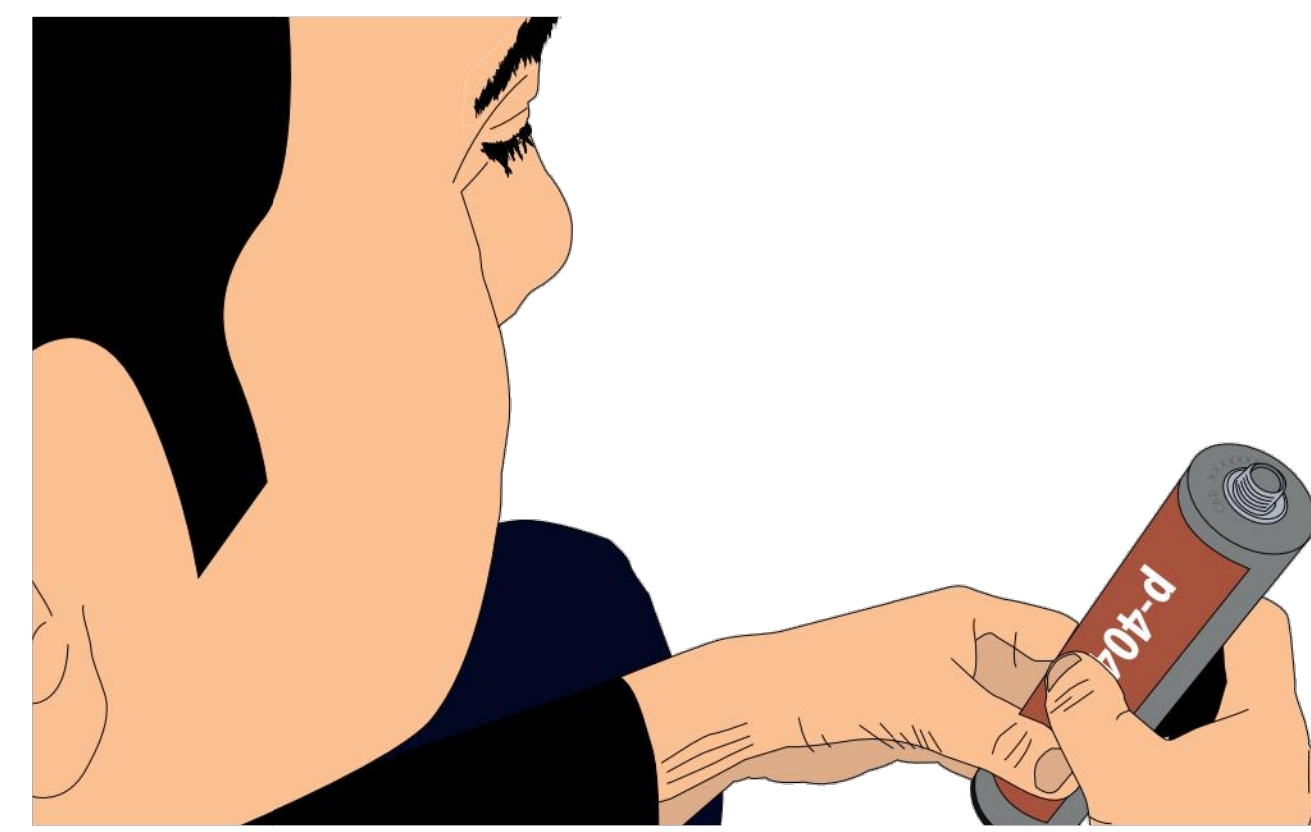
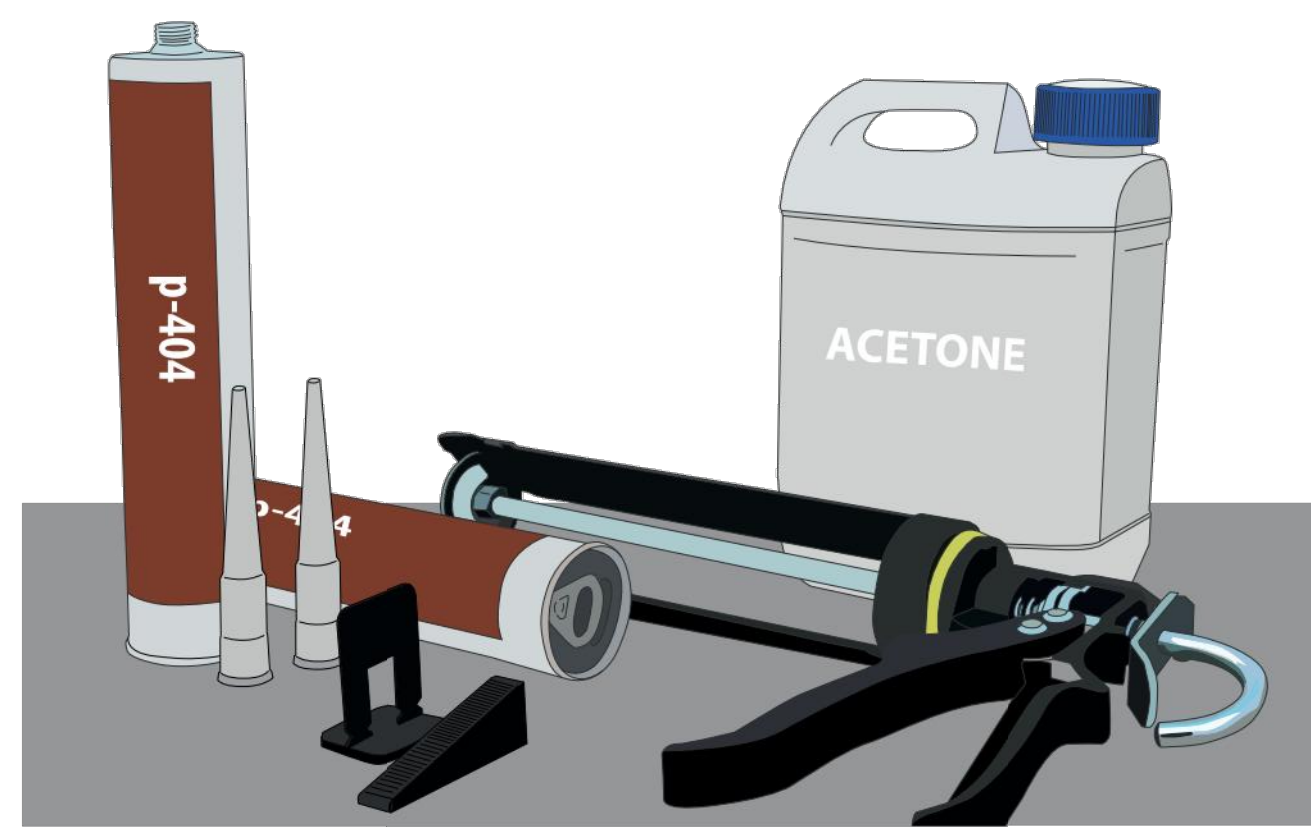
SHEET TITLE:
THE FIXING CLIP

SCALE:
NTS

SHEET NO:
003

REVISION:
A

Application of p-404

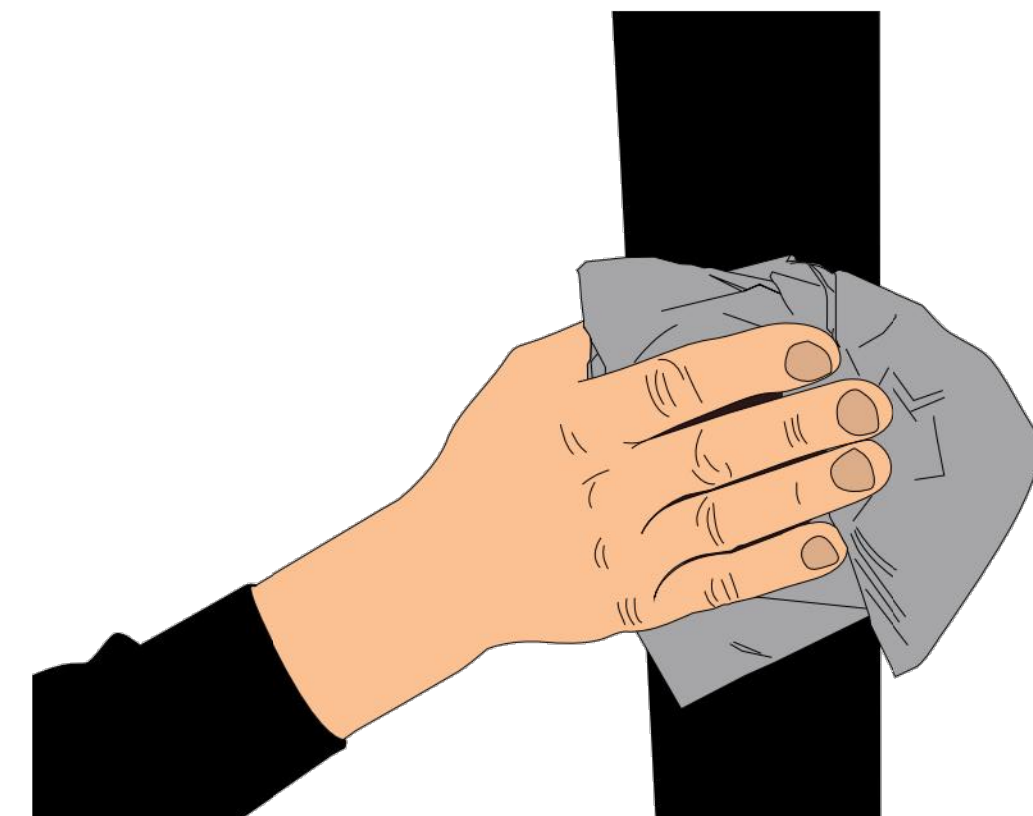


Step 1. Materials Required:

- p-404 adhesive.
- Alcohol or Acetone.
- Caulking gun, tip and wedges.

Step 2. Check Condition

- Check expiration date.
- Check the container is in good condition.

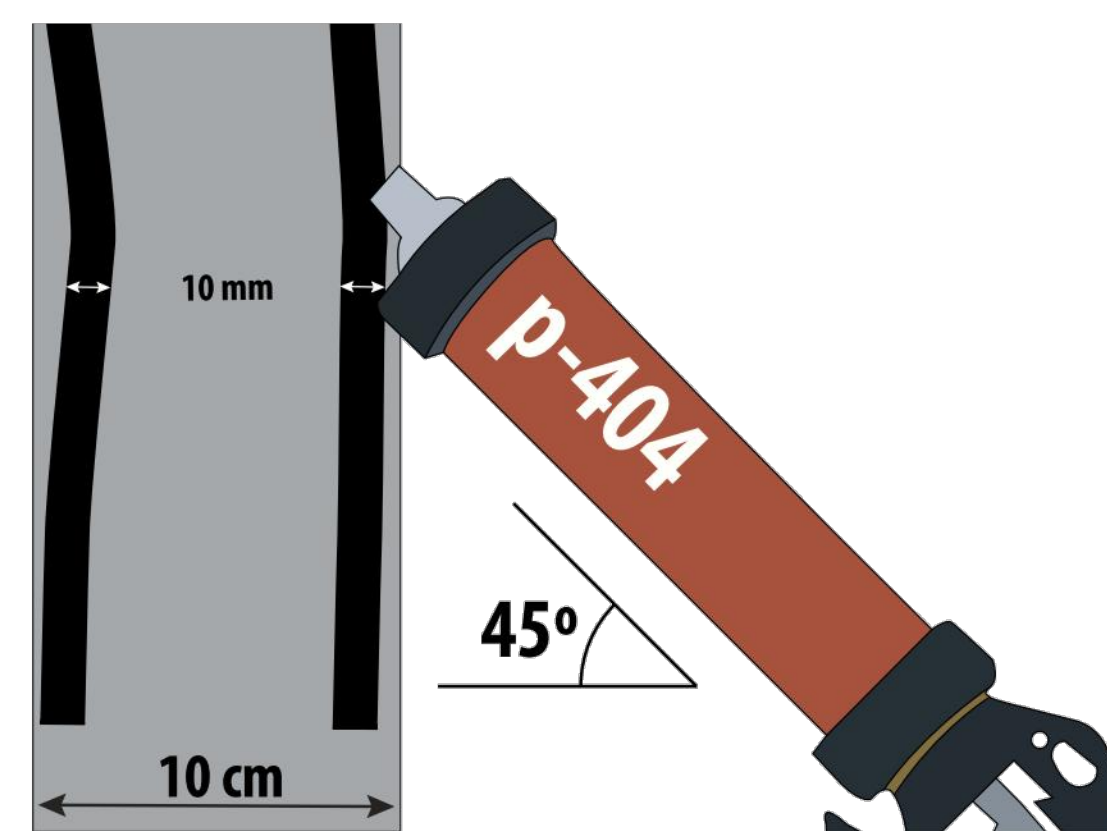
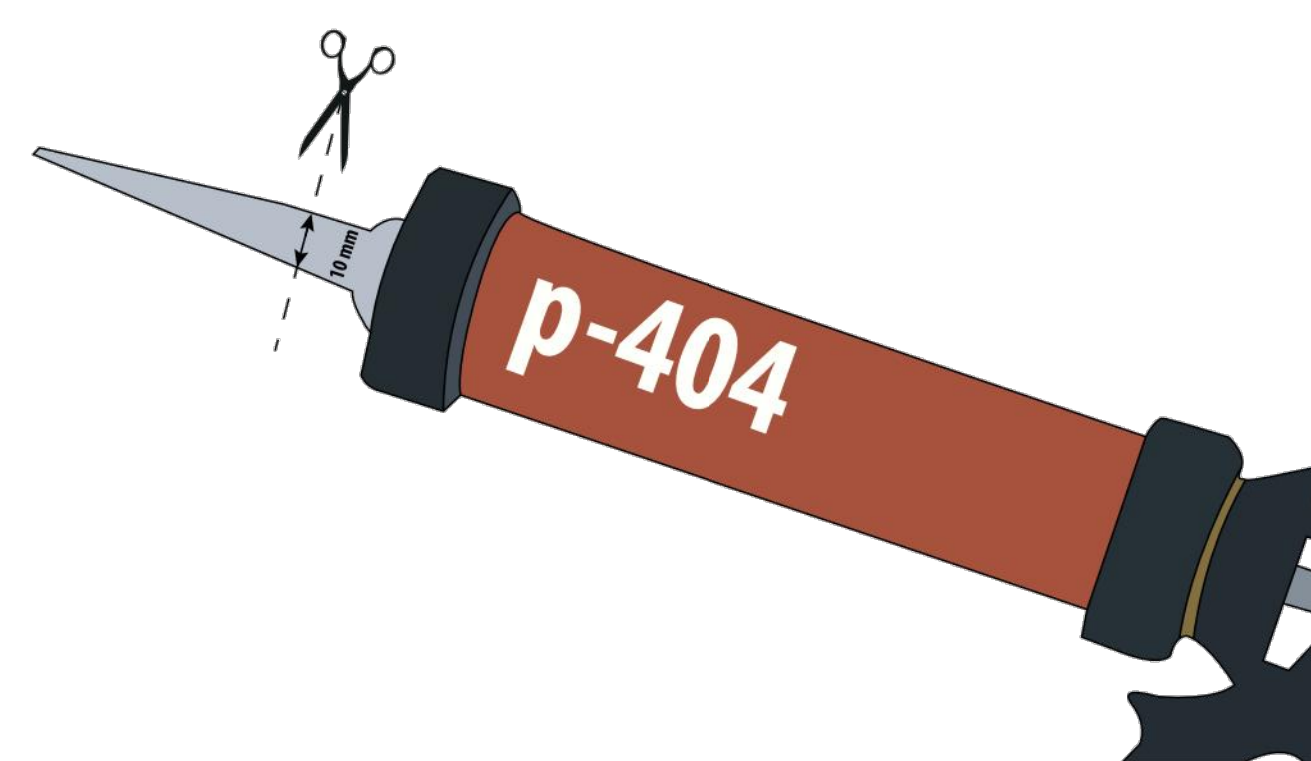


Step 3. Precautions in Extreme Weather

- Application of p-404 adhesive requires no special precautions between 40 - 95 °F (5 - 35 °C).
- Below/above this temperature, the use of thermal protective bags is mandatory until the moment before its application.
- In order to keep the adhesive in good working conditions, it is highly recommended to maintain it warm inside the thermal bags between uses.

Step 4. Clean Substrate

- The substrate must be completely clean and dry.
- It is recommended to clean the substrate with alcohol/acetone and dry afterwards.

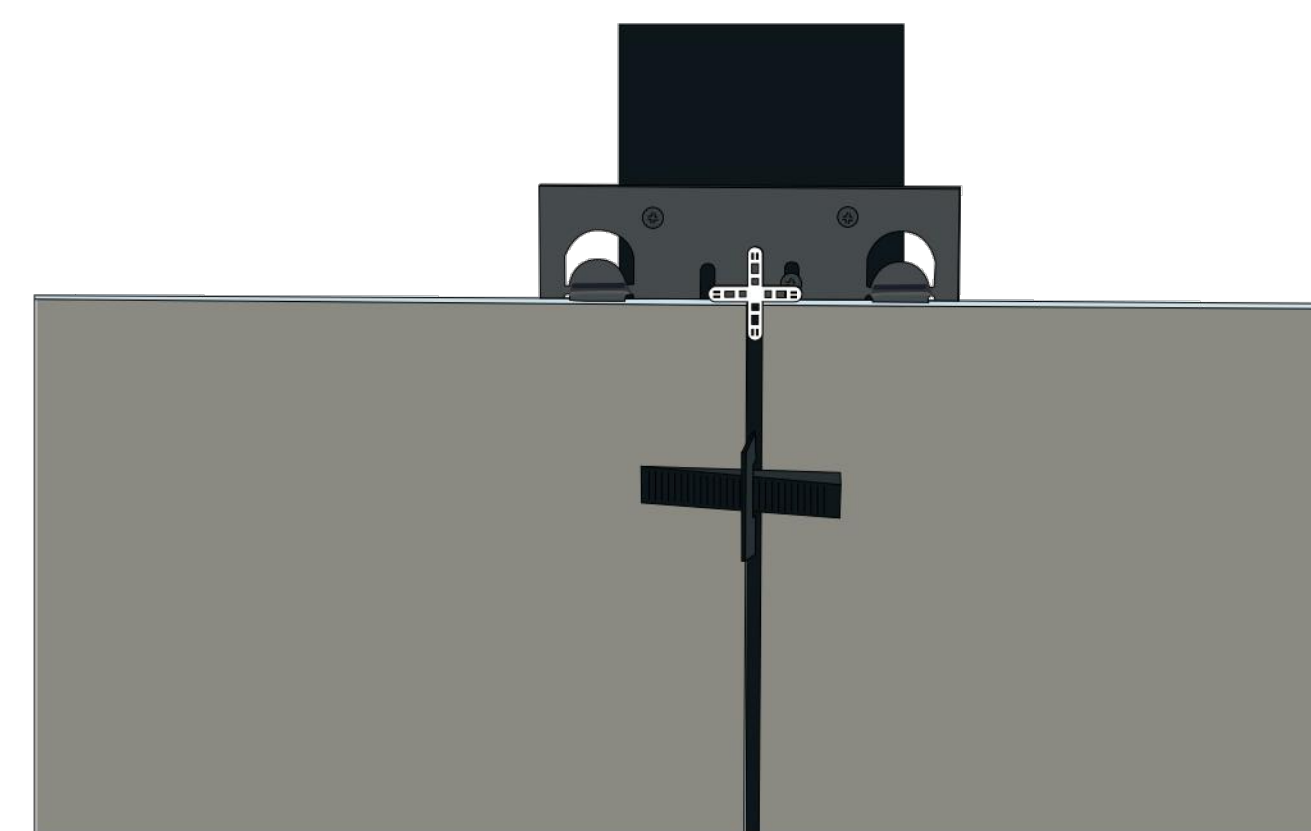
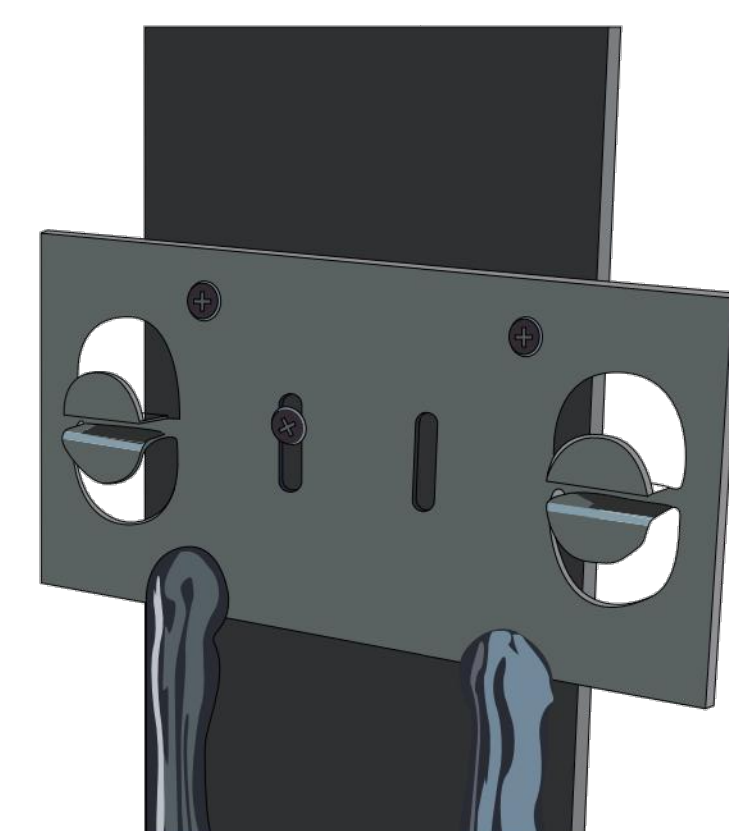


Step 5. Instruction to Cut Tip

- The tip must be cut at a straight angle for a hole precisely of 0.4in diameter (10 mm).

Step 6. Instructions to Apply the Adhesive

- A continuous bead of adhesive must be applied with the caulking gun at an angle as shown above.
- The minimum bead of adhesive is 0.4in in diameter (10 mm) which equates to 4.92 feet of profile/cartridge.



Step 7. Extent of Application

- The adhesive must be applied all along the length of the panel and must overlap with the fixing plate as shown above.

Step 8. Ensure Quality of Installation

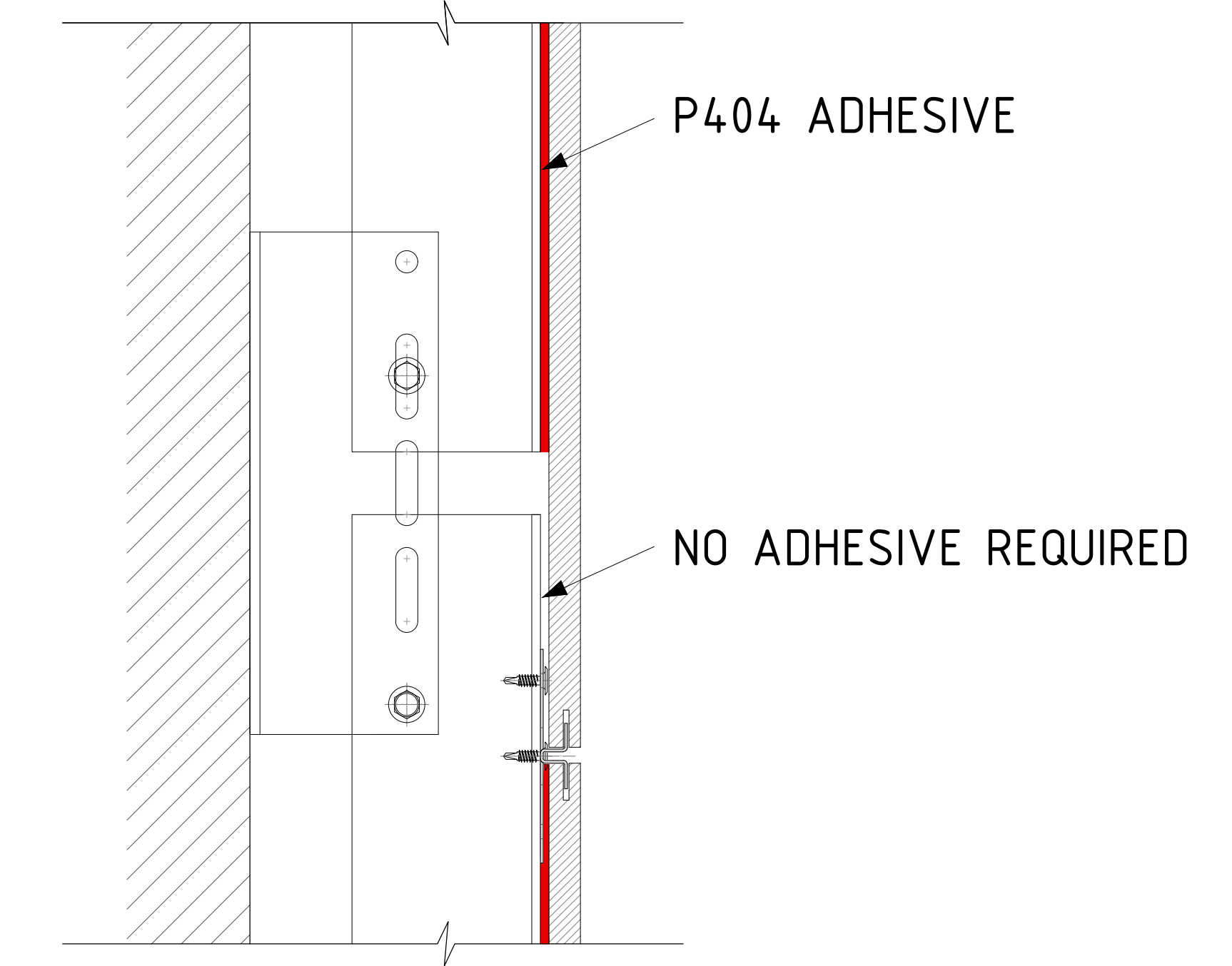
- For the highest quality of installation, the use of wedges is obligatory.
- The minimum time for the wedges to stay is 24h. With this said, the longer the wedges stay in place, the better.

1 - USE OF P404 ADHESIVE FOR SUPPORT OF VERTICAL PROFILES BY METHOD 2

THE GUIDELINE BELOW IS APPLICABLE FOR WHEN PROFILES ARE FIXED TOGETHER CONTINUOUSLY (METHOD 2). WITH THIS METHOD, PANELS ARE LIKELY TO SPAN FROM ONE PROFILE TO ANOTHER. IN THIS CASE, THE USE OF P404 ADHESIVE MUST BE DONE IN A PARTICULAR WAY AS PER INSTRUCTION/SCENARIOS BELOW. THE RULE OF THUMB IS THAT P404 ADHESIVE WILL ONLY BE USED AT THE PROFILE WITH GREATER OVERLAP WITH THE PANEL.

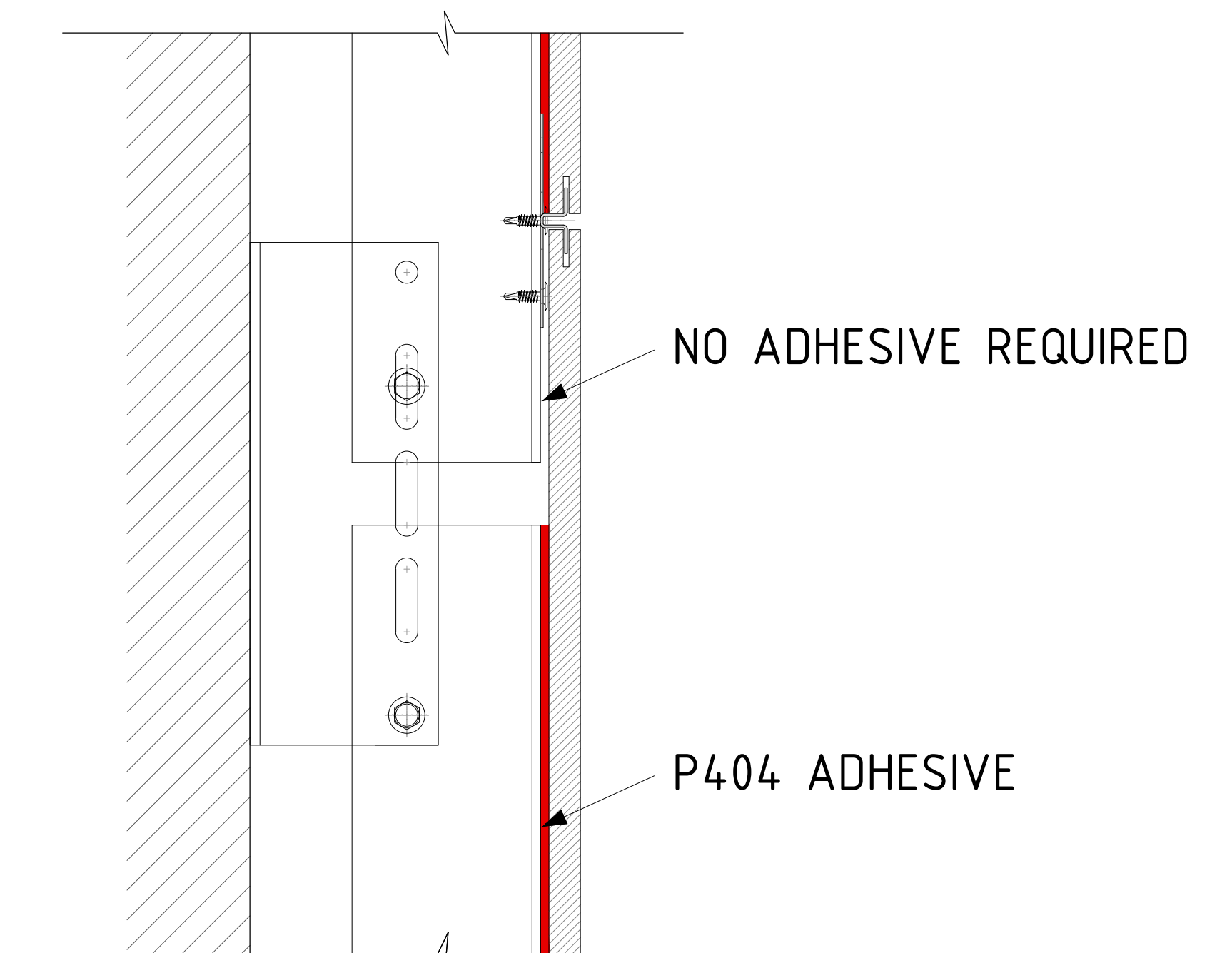
SCENARIO 1:

GREATER OVERLAP WITH PROFILE ABOVE.



SCENARIO 2:

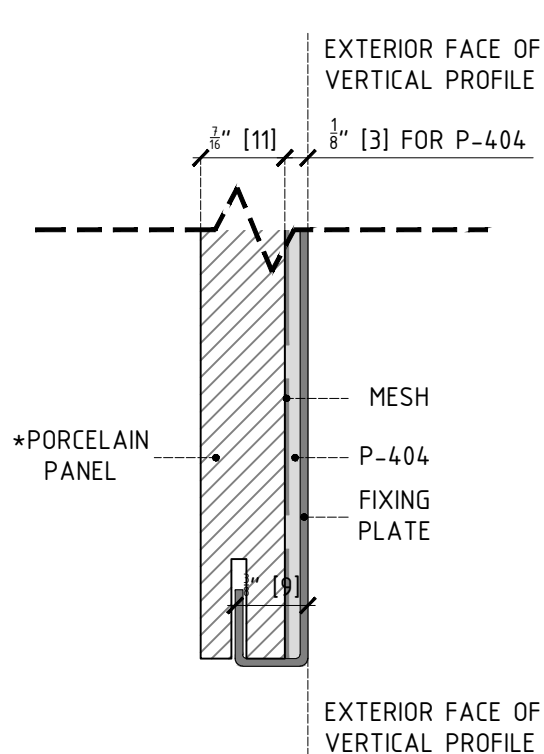
GREATER OVERLAP WITH PROFILE BELOW.



2 - THE USE OF P404 ADHESIVE WITH VARIOUS CLIP SYSTEMS

CONCEALED CLIP

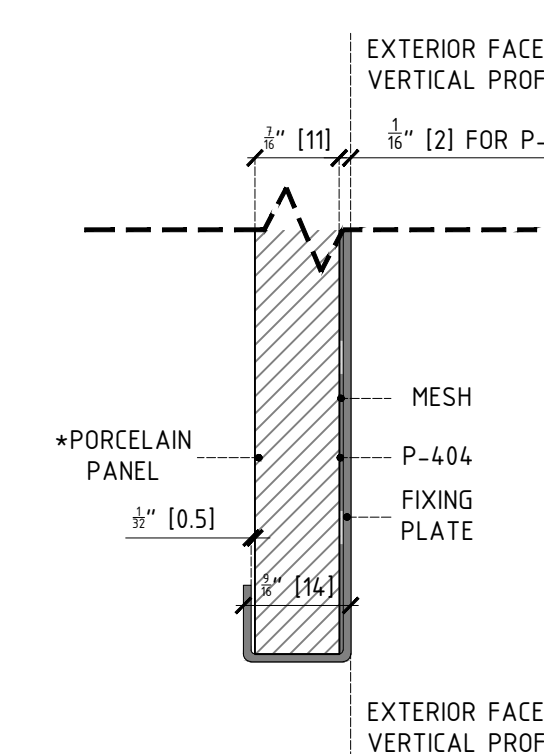
STANDARD FIXING PLATE



• PANEL THICKNESS:
MINIMUM: 1" (25.4)
MAXIMUM: NO LIMIT

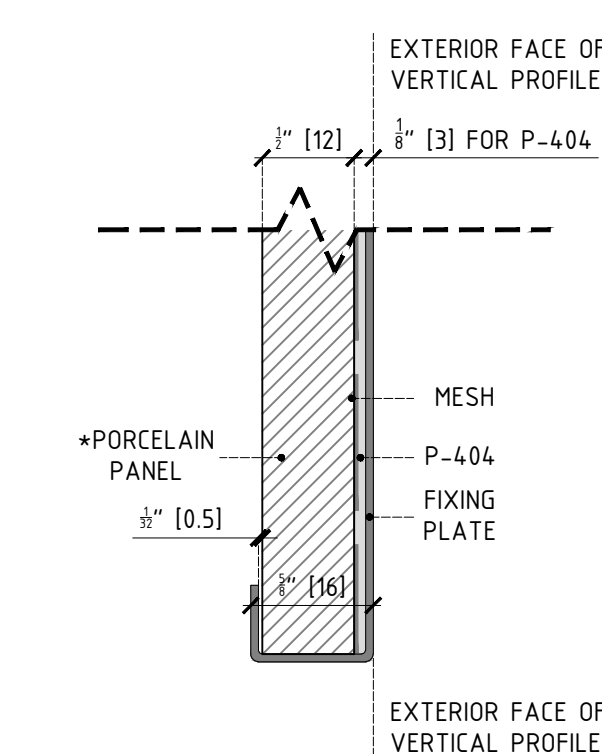
EXPOSED CLIP

STANDARD FIXING PLATE



• PANEL THICKNESS:
MINIMUM: 1" (25.4)
MAXIMUM: 2" (50.8)

04 FIXING PLATE



• PANEL THICKNESS:
MINIMUM: 1" (25.4)
MAXIMUM: 2" (50.8)

REVISIONS:		
DATE	REV.	DESCRIPTION

SHEET TITLE:
**THE P404 CONSTRUCTION
ADHESIVE**

SCALE:
NTS

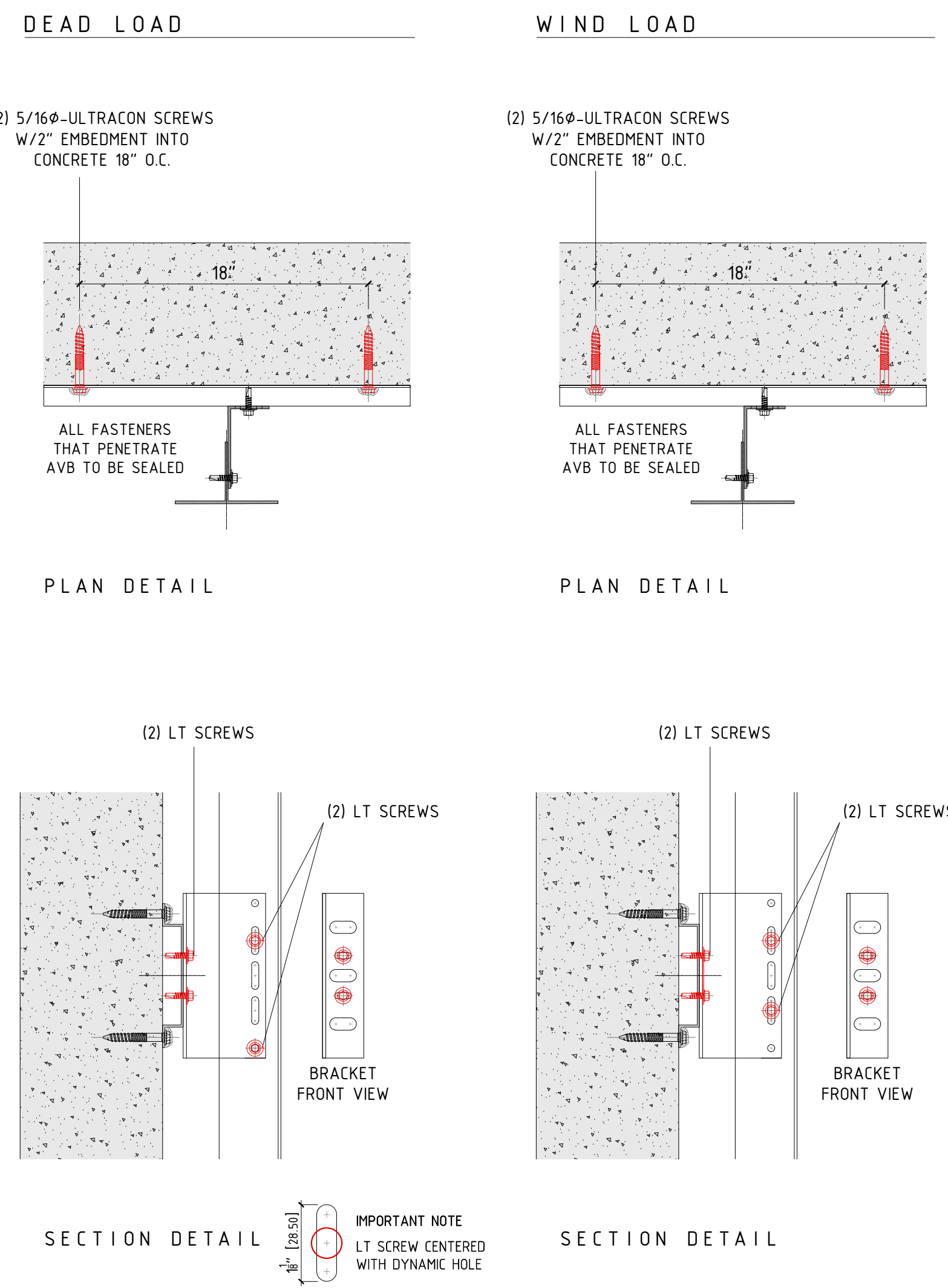
SHEET NO:
004

REVISION:
A

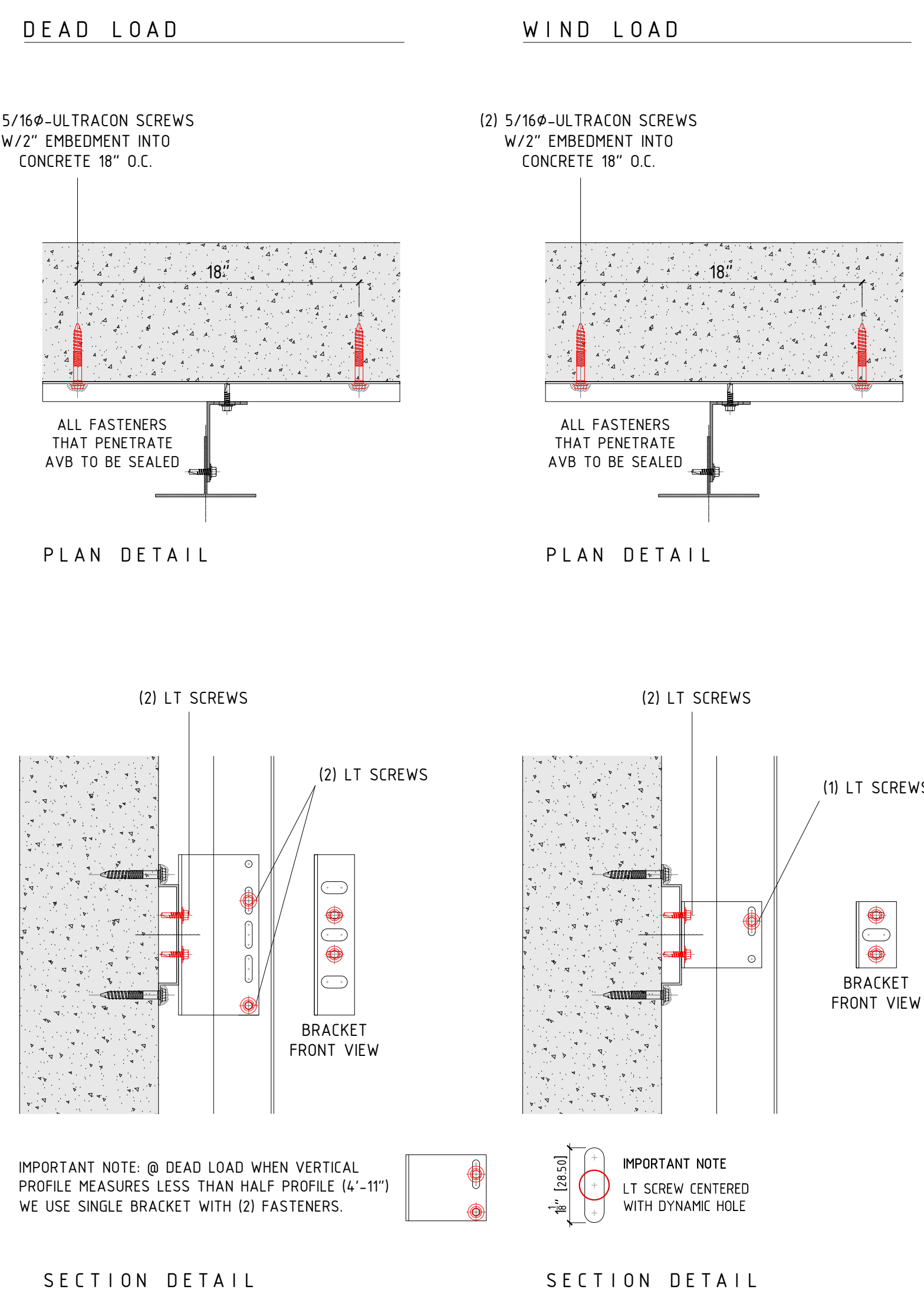
1 - REINFORCED CONCRETE WALL

Spec: 2500 PSI

1.1 - CORNER ZONE

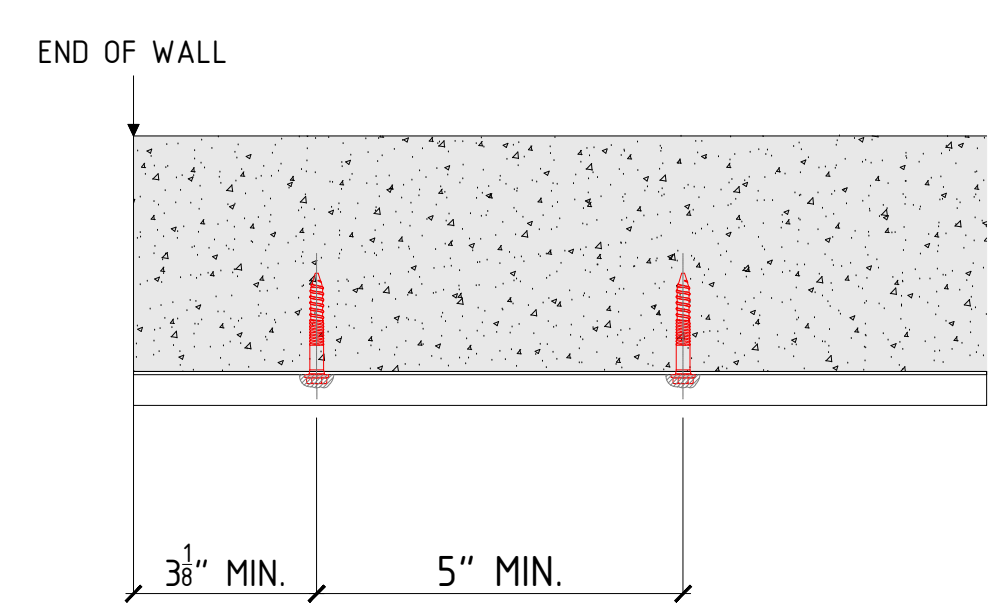


1.2 - TYPICAL ZONE



1.3 - ANCHORING MINIMUM DISTANCE TO EDGE OF WALL

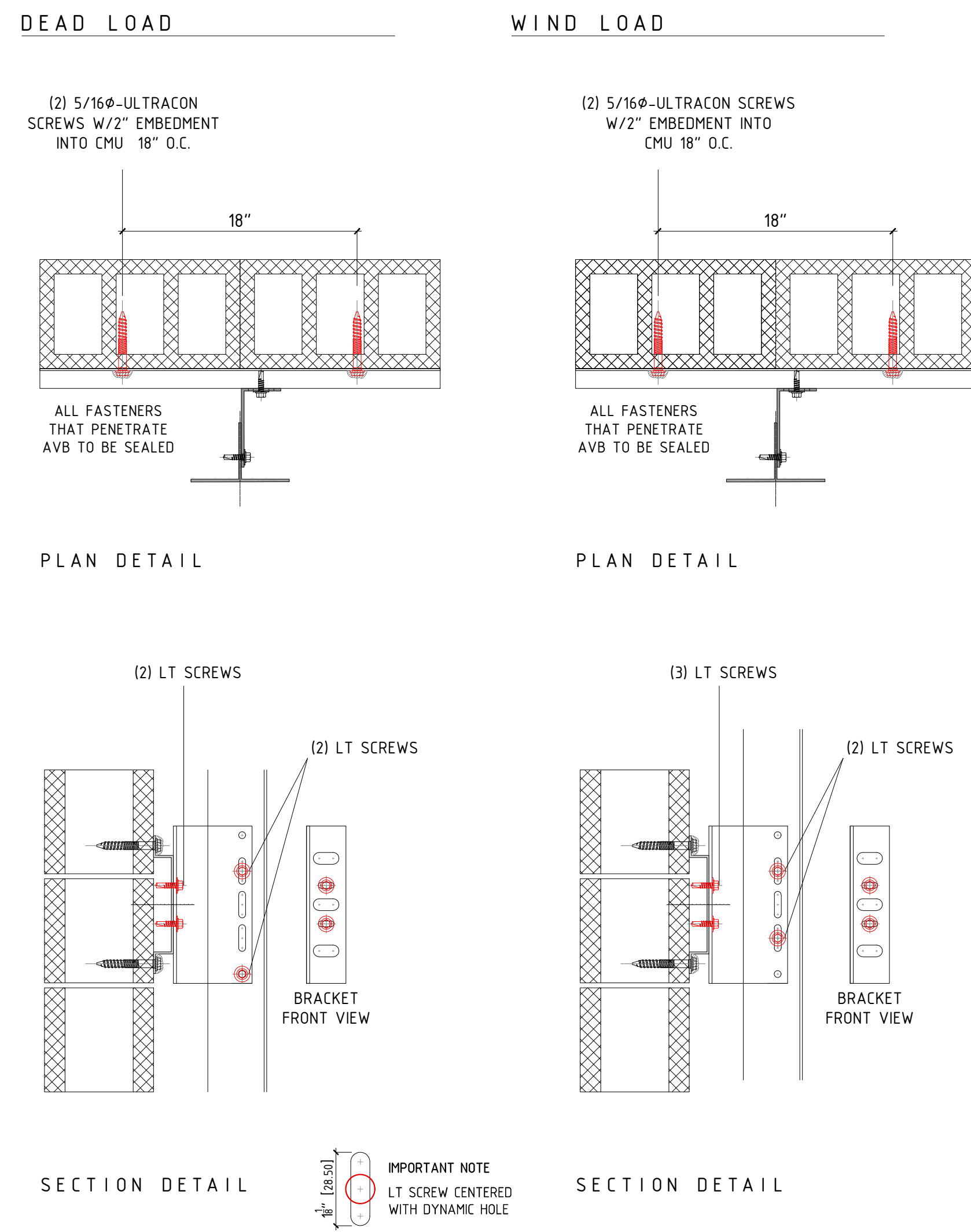
*IN CASE THAT NEED TO BE LESS, CONSULT WITH PORCELANOSA



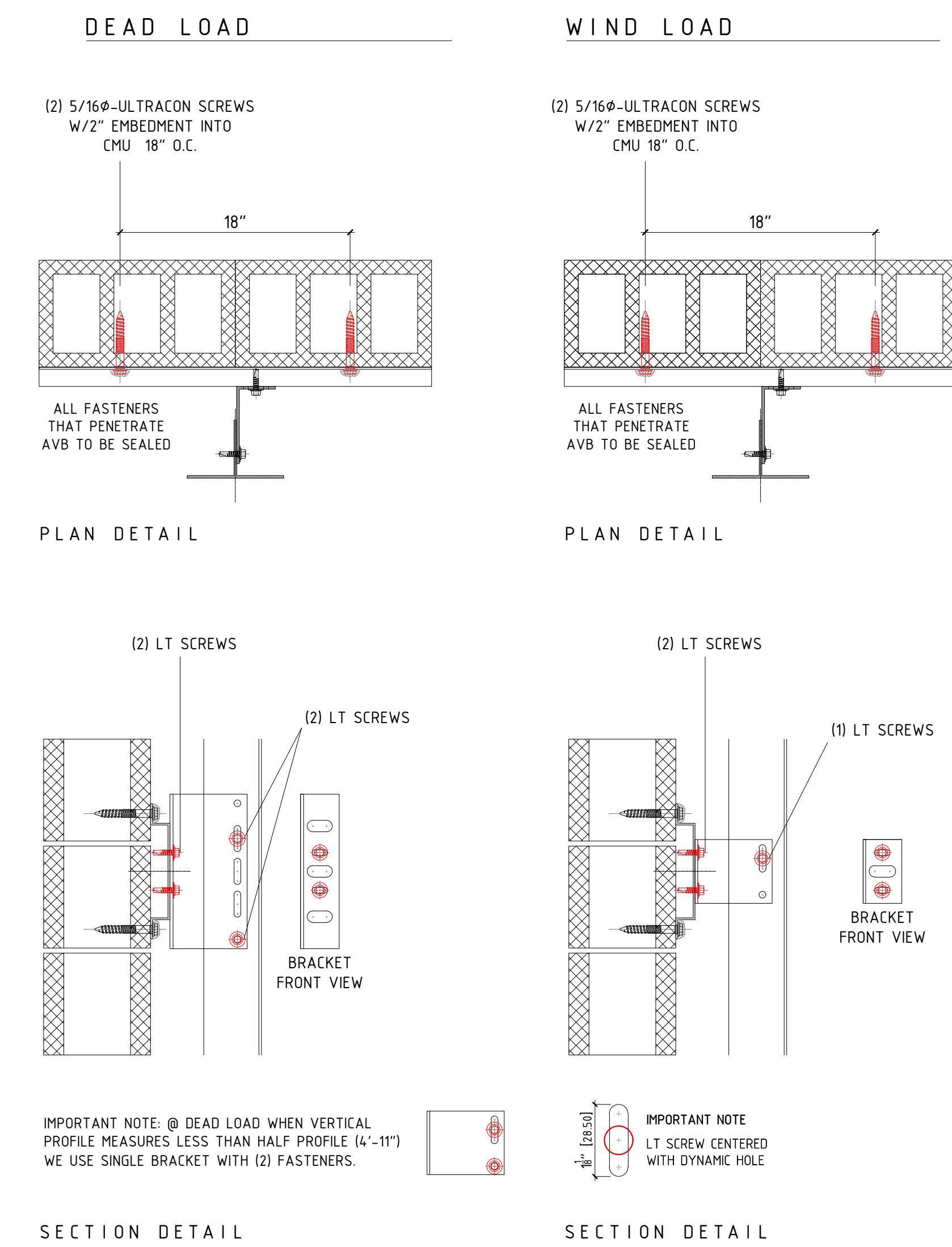
2 - CMU WALL

Spec: 100 GROUTED

2.1 - CORNER ZONE

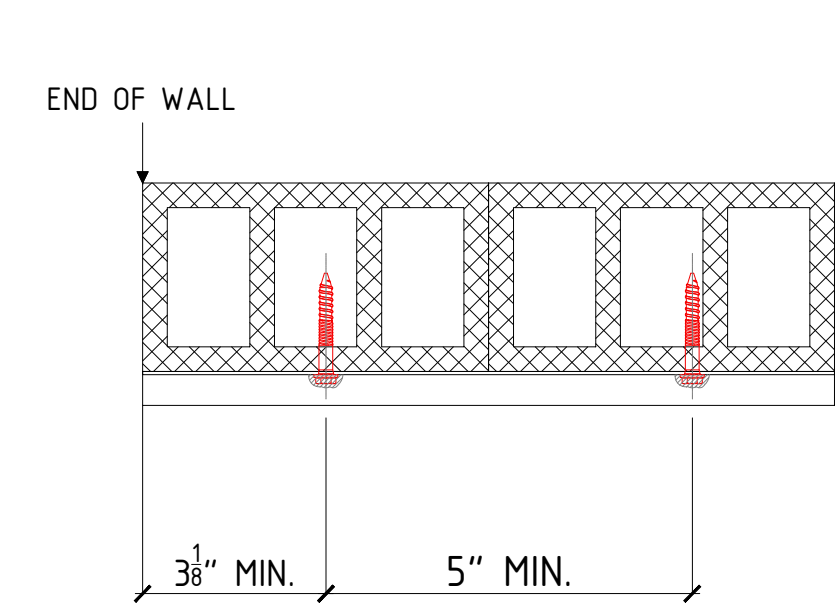


2.2 - TYPICAL ZONE



2.3 - ANCHORING MINIMUM DISTANCE TO EDGE OF WALL

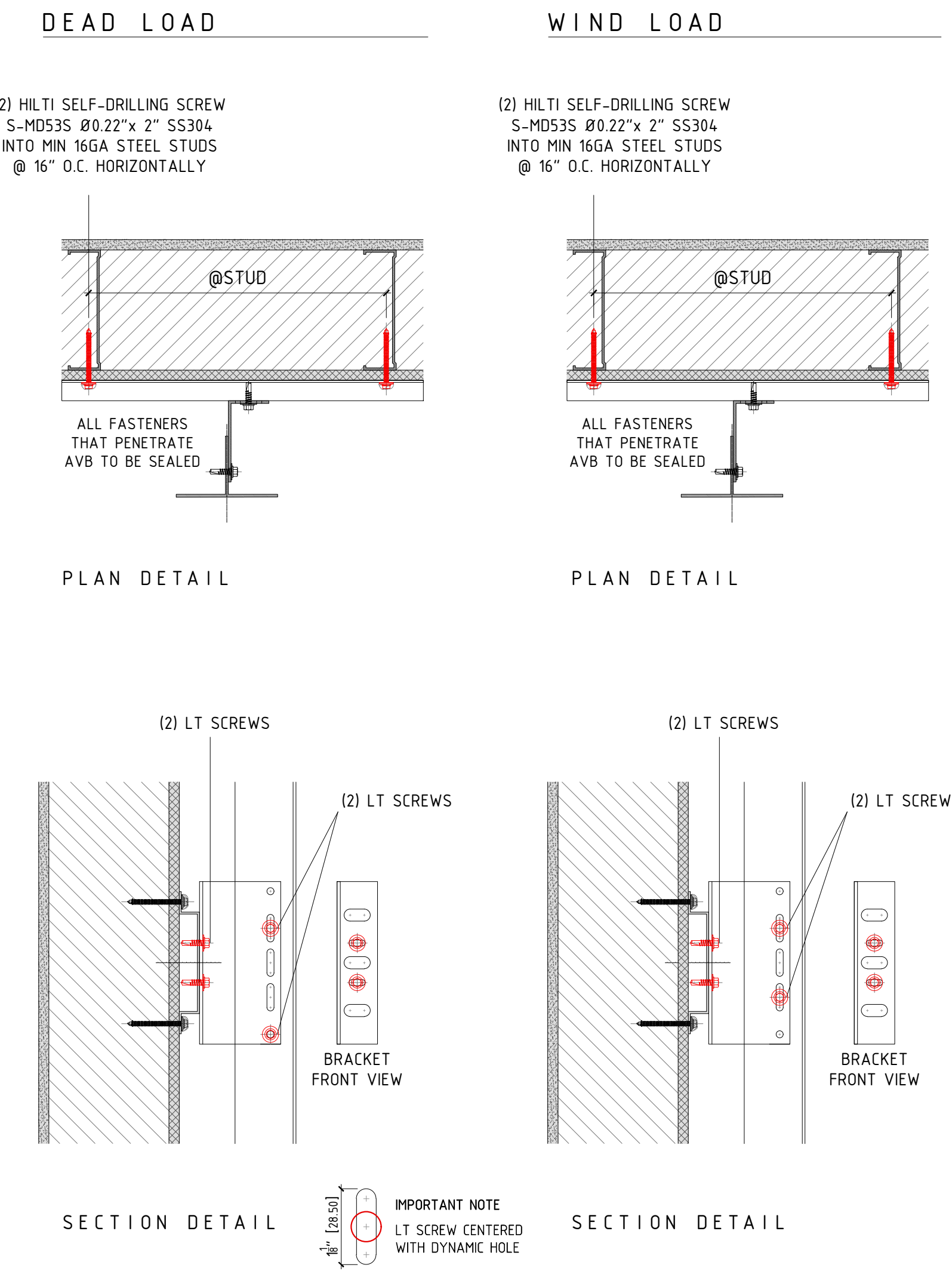
*IN CASE THAT NEED TO BE LESS, CONSULT WITH PORCELANOSA



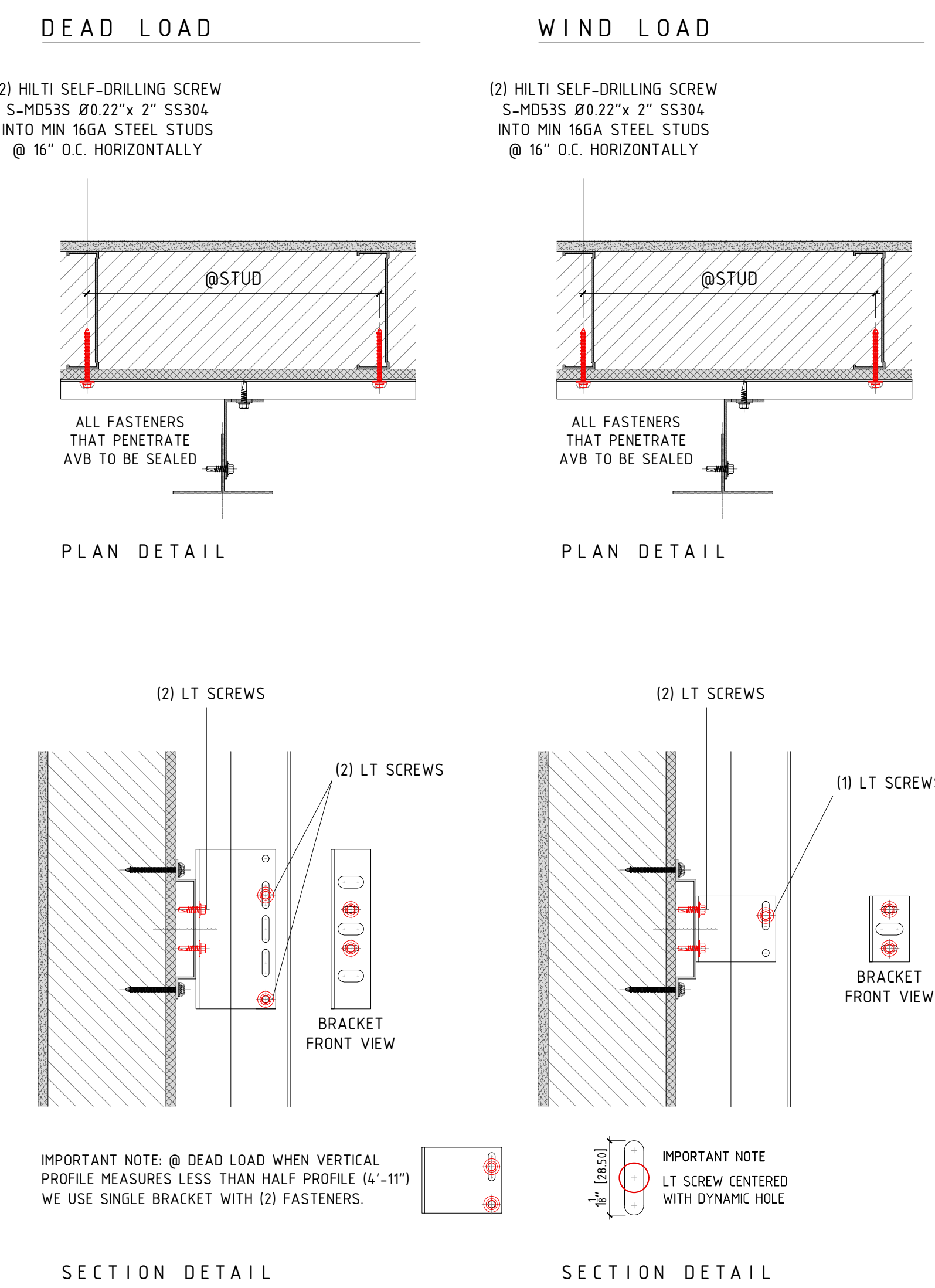
3 - METAL STUD WALL

Spec: 6"-16GA;16"O/C

3.1 - CORNER ZONE

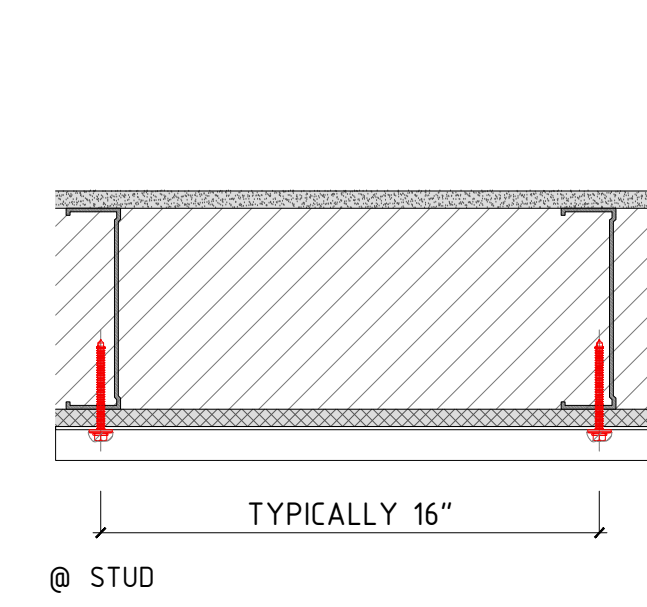


3.2 - TYPICAL ZONE



3.3 - ANCHORING MINIMUM DISTANCE TO EDGE OF WALL

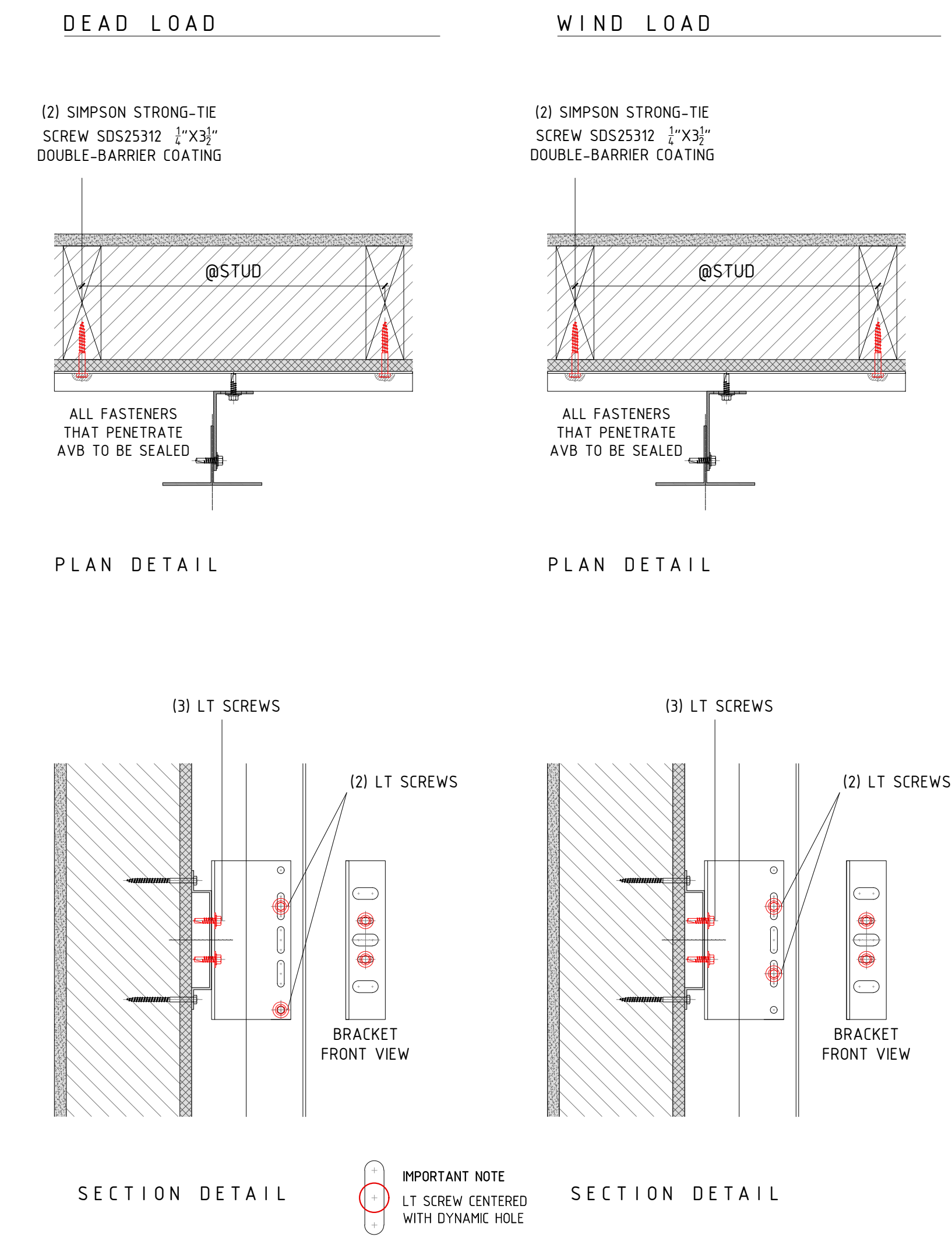
*IN CASE THAT NEED TO BE LESS, CONSULT WITH PORCELANOSA



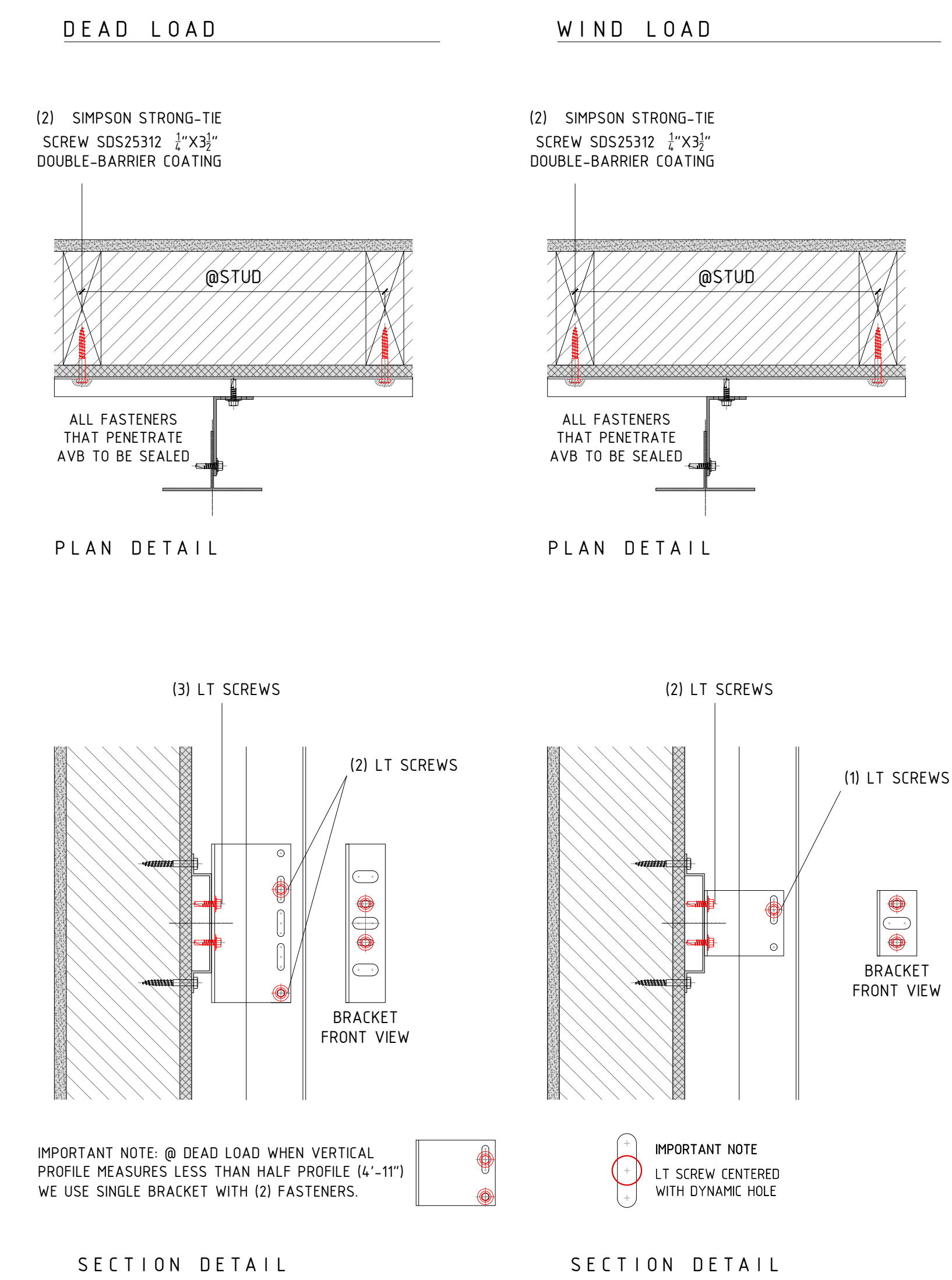
4 - WOOD STUD WALL

Spec: 2X11.5 THICK - 16\"/>

4.1 - CORNER ZONE

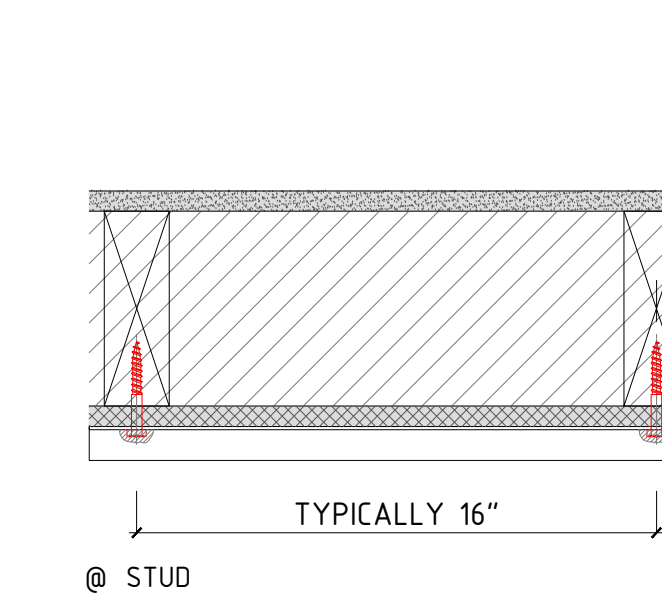


4.2 - TYPICAL ZONE



4.3 - ANCHORING MINIMUM DISTANCE TO EDGE OF WALL

*IN CASE THAT NEED TO BE LESS, CONSULT WITH PORCELANOSA



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REVISIONS:

DATE	REV.	DESCRIPTION

SHEET TITLE:
**ANCHORING TO THE
SUBSTRATE**

SCALE:
NTS

SHEET NO:
005

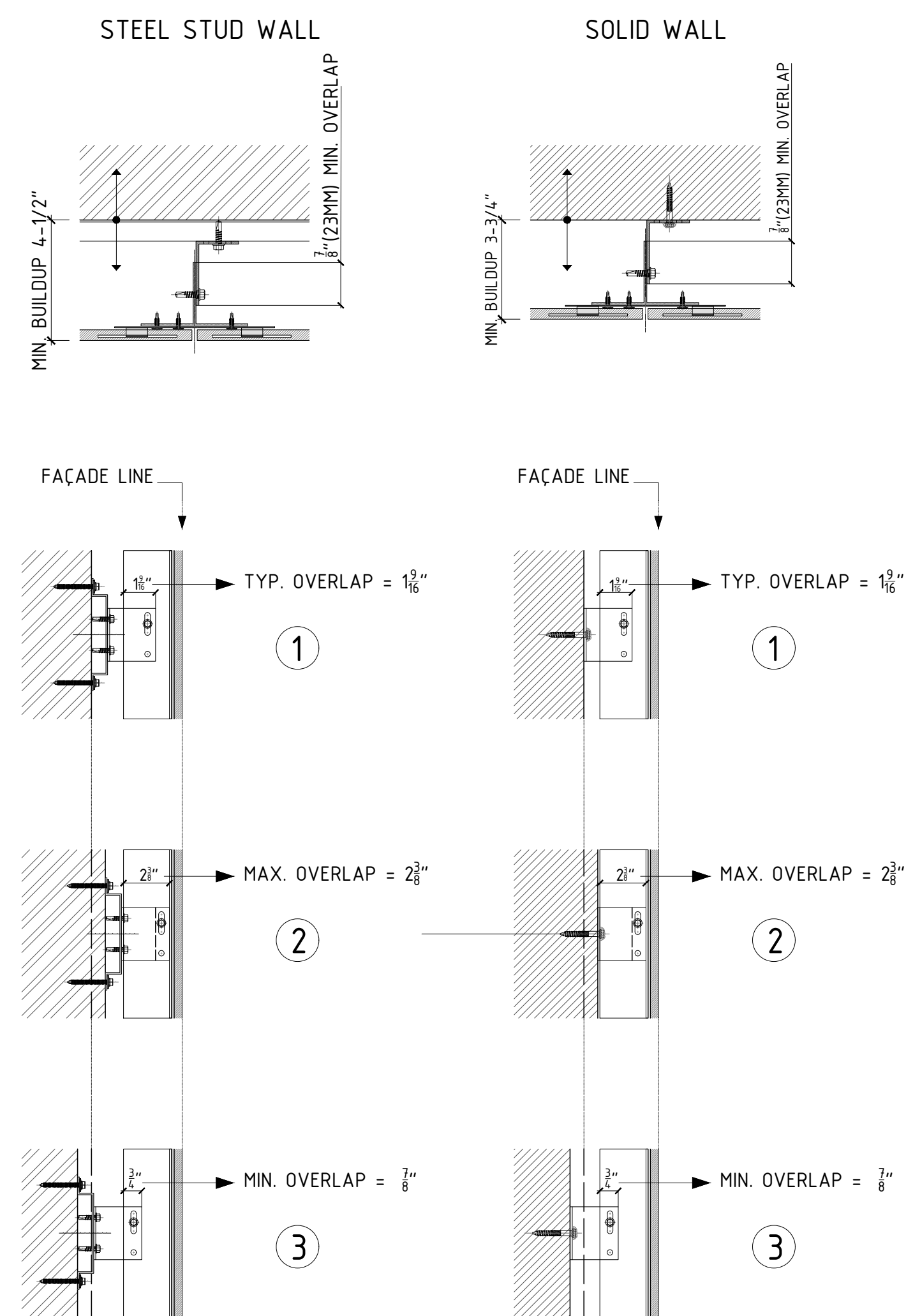
REVISION:
A

1 - CLADDING SYSTEM TOLERANCES

* IN-AND-OUT TOLERANCE = +/- 3/4" (20MM)

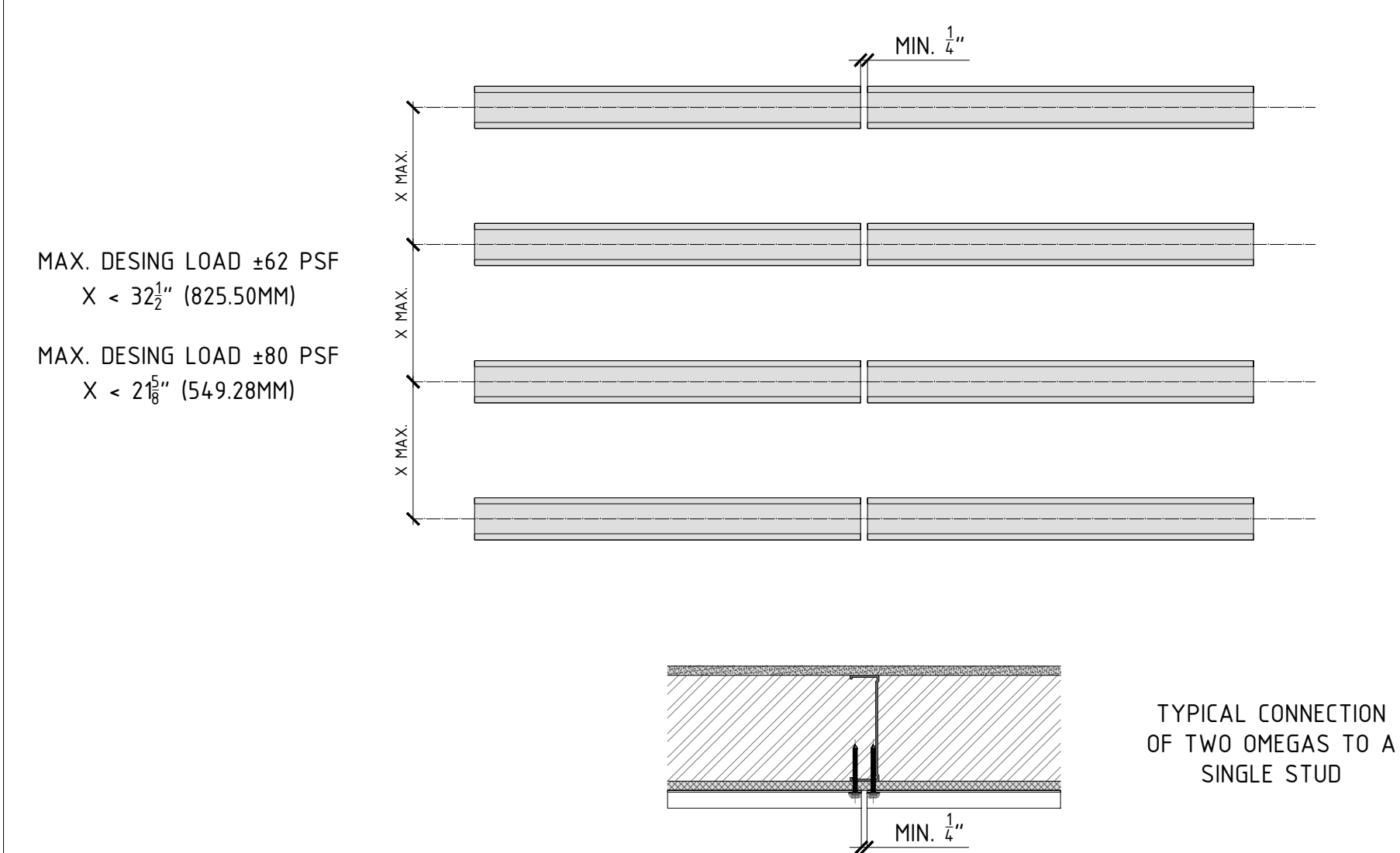
* IF WALL IS BEYOND SYSTEM MAX TOLERANCE, ADDITIONAL SPACER L-BRACKET MUST BE USED. FAÇADE INSTALLER MUST CONSULT WITH PORCELANOSA

SITE SITUATION 1: WALL IS VERTICALLY PLUMBED
 SITE SITUATION 2: WALL CAN BE FURTHER OUT BY 3/4 INCH
 SITE SITUATION 3: WALL CAN BE FURTHER IN BY 3/4 INCH



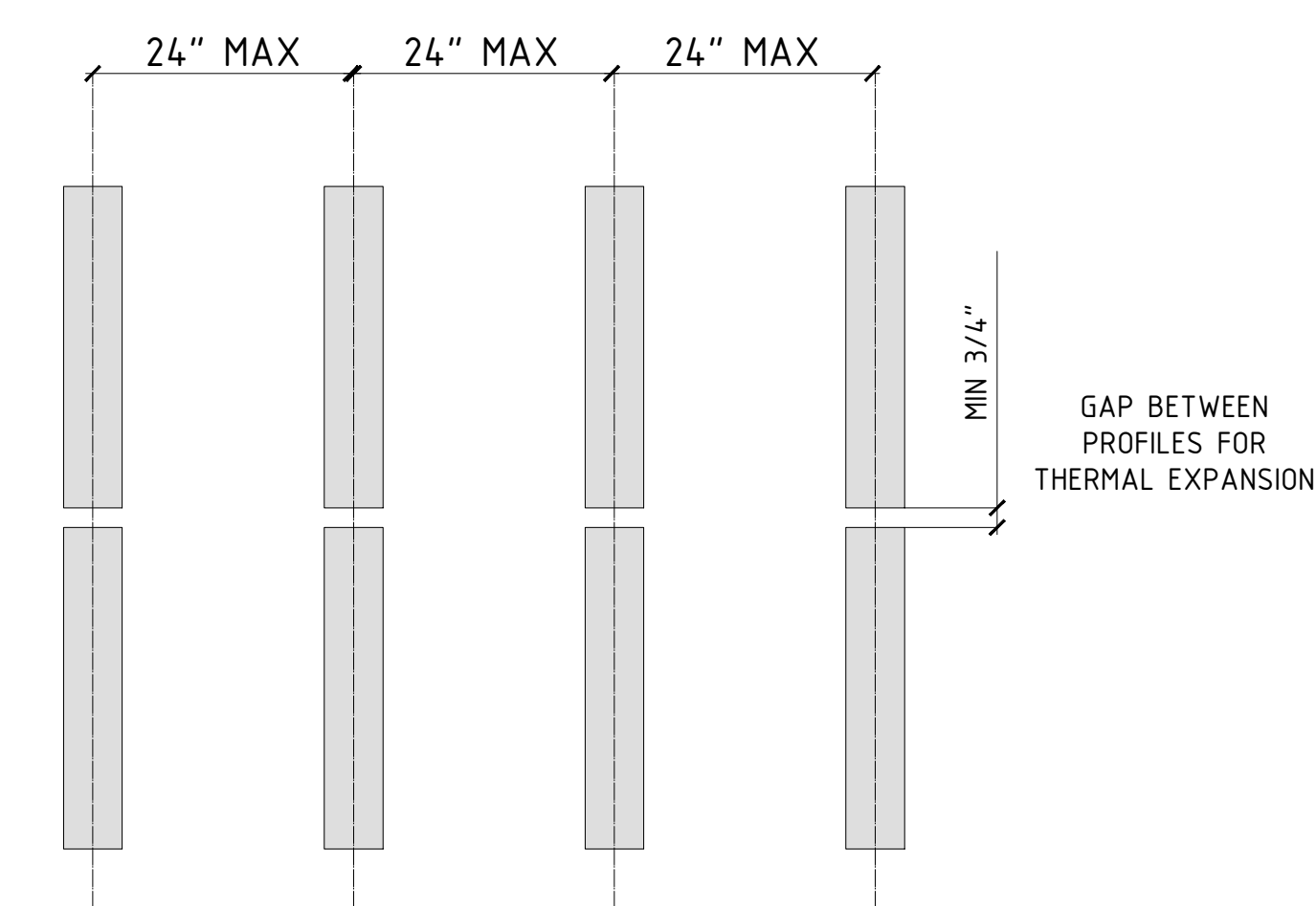
2 - SPACING BETWEEN OMEGA PROFILES

* THE SAME CRITERIA WILL BE USED FOR SPACING BETWEEN L-SUPPORT BRACKETS WHEN NO OMEGA IS USED.
 * SPACING AS INDICATED IN THE PROJECT SUBSTRUCTURE DRAWINGS. IF NOT NOTED, FOLLOW THIS.



3 - SPACING BETWEEN VERTICAL PROFILES

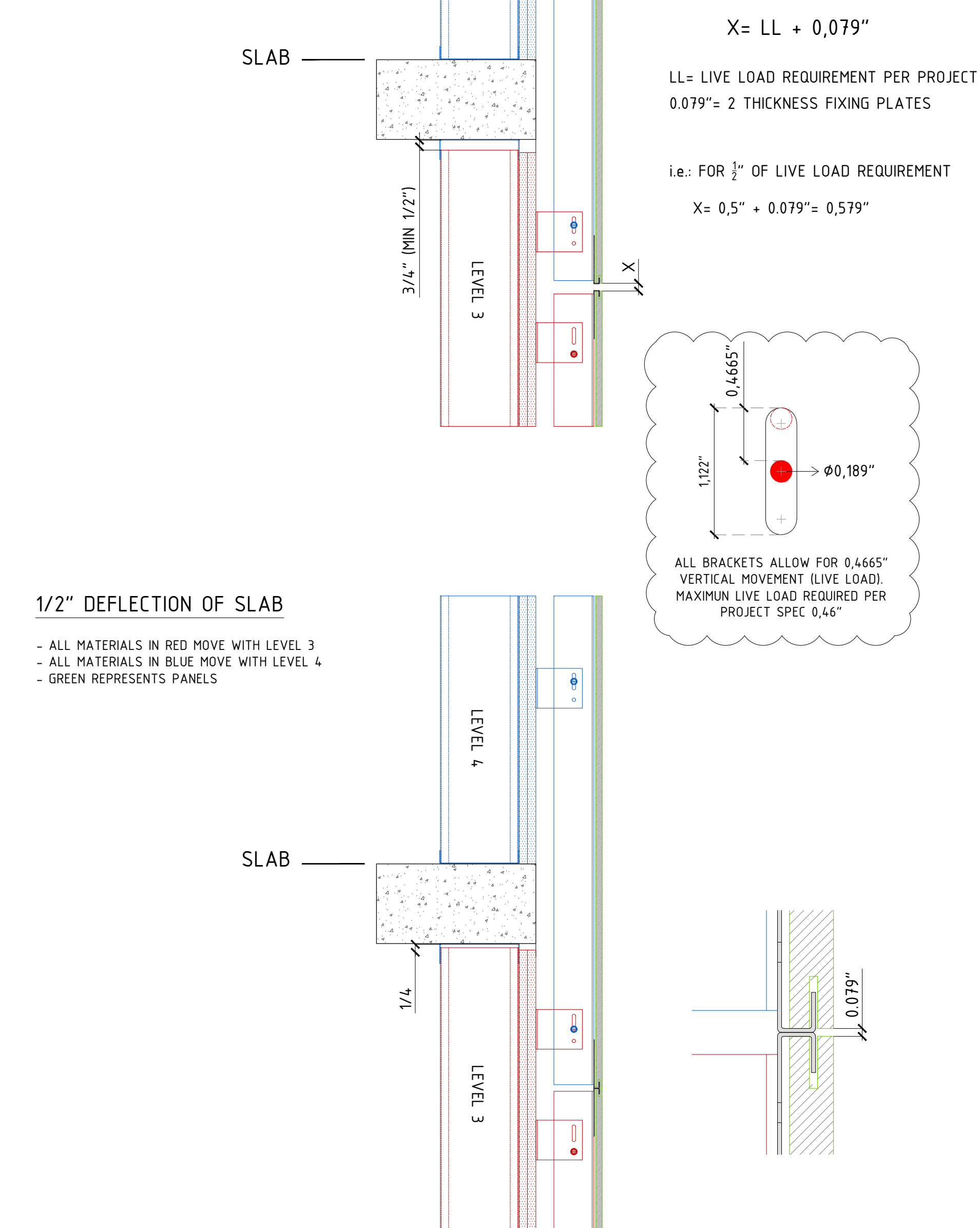
* SPACING BETWEEN VERTICAL PROFILES AS INDICATED IN THE PROJECT SUBSTRUCTURE DRAWINGS. IF NOT NOTED, MAXIMUM SPACING WILL BE 24" (609.60MM)



4 - VERTICAL LIVE LOAD DEFLECTION

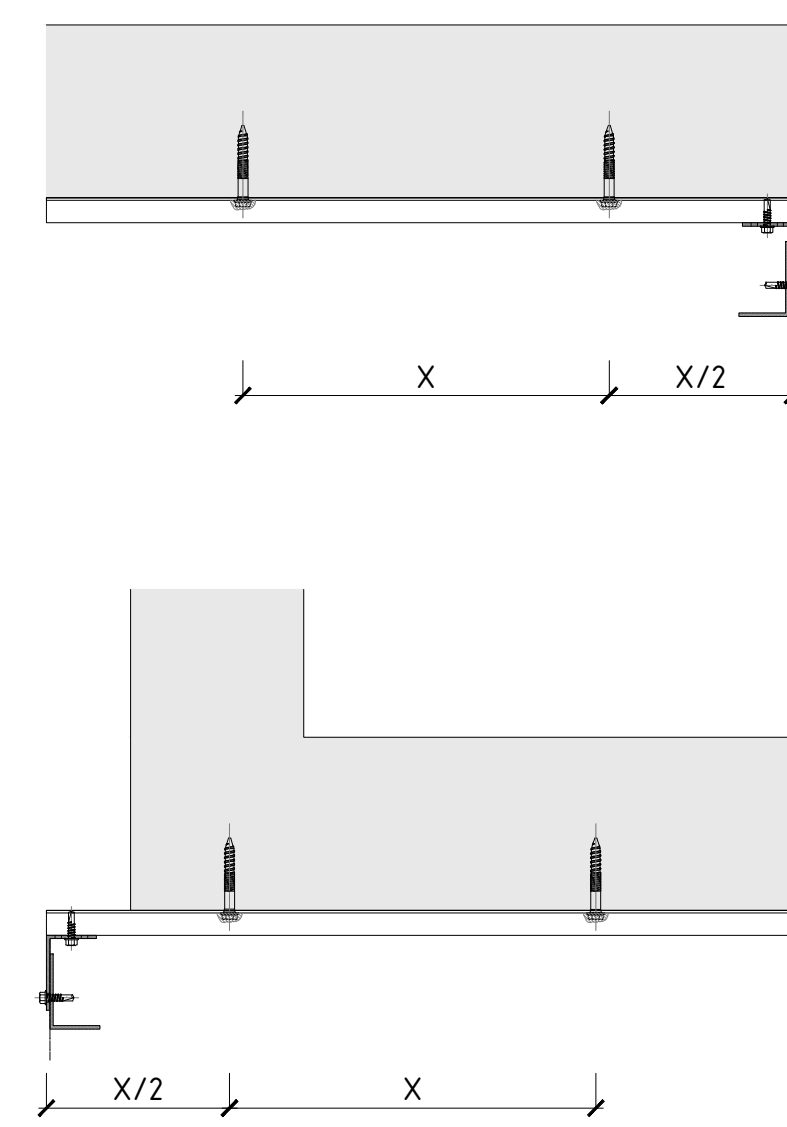
NO DEFLECTION OF SLAB

- ALL MATERIALS IN RED MOVE WITH LEVEL 3
 - ALL MATERIALS IN BLUE MOVE WITH LEVEL 4
 - GREEN REPRESENTS PANELS



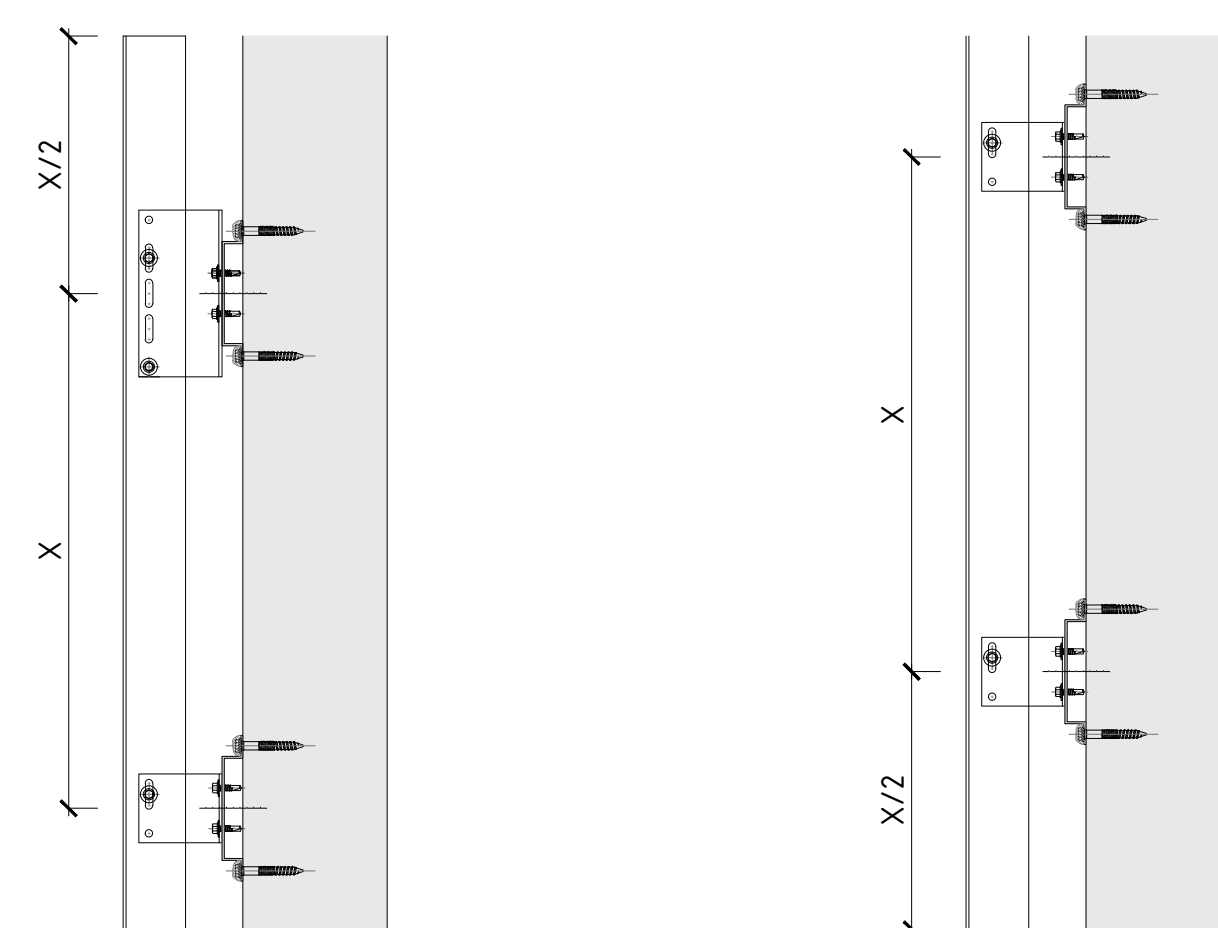
5 - MAXIMUM OMEGA PROFILES CANTILEVER

* SPACING AS INDICATED IN THE PROJECT SUBSTRUCTURE DRAWINGS. IF NOT NOTED, FOLLOW THIS.

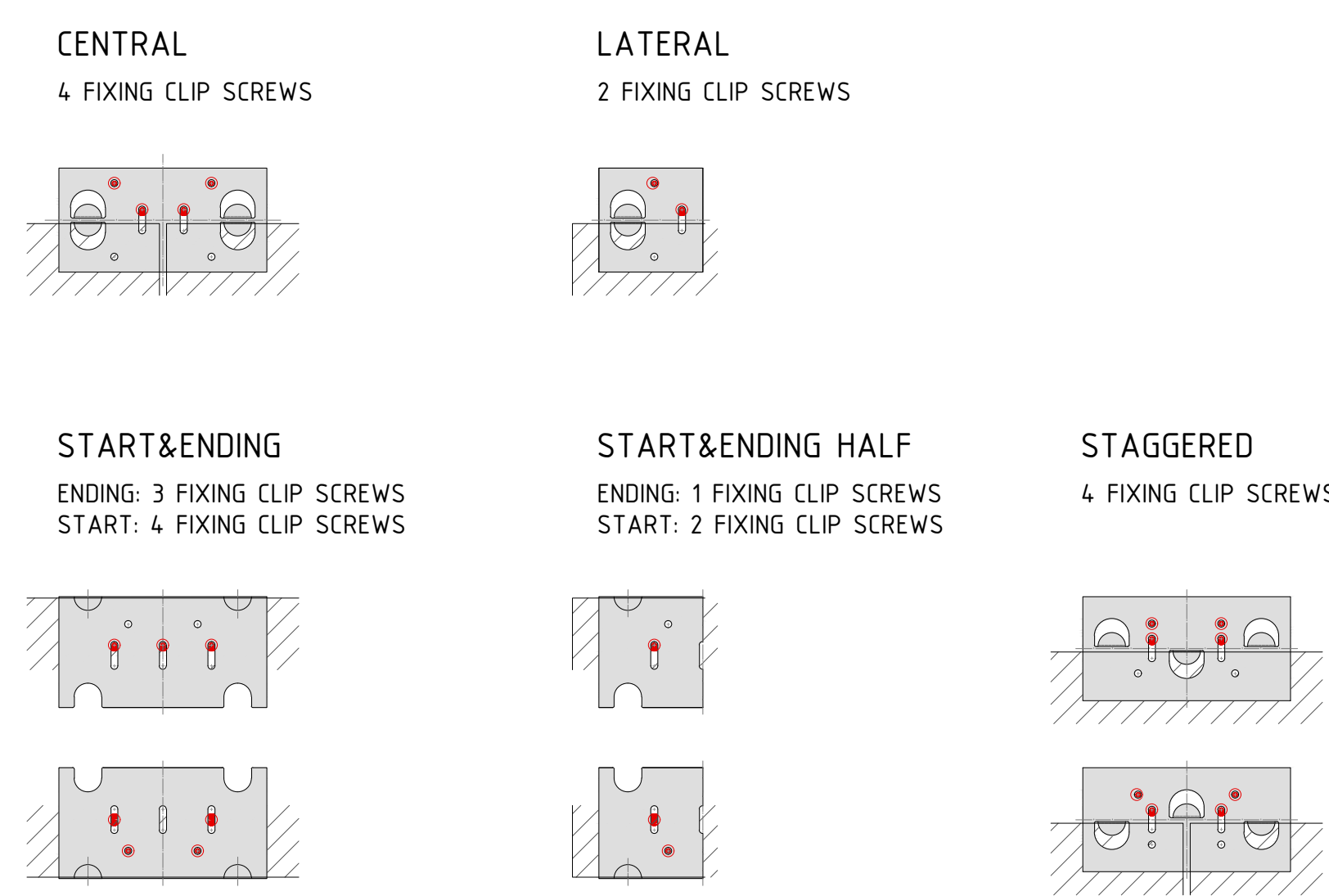


6 - MAXIMUM VERTICAL PROFILES CANTILEVER

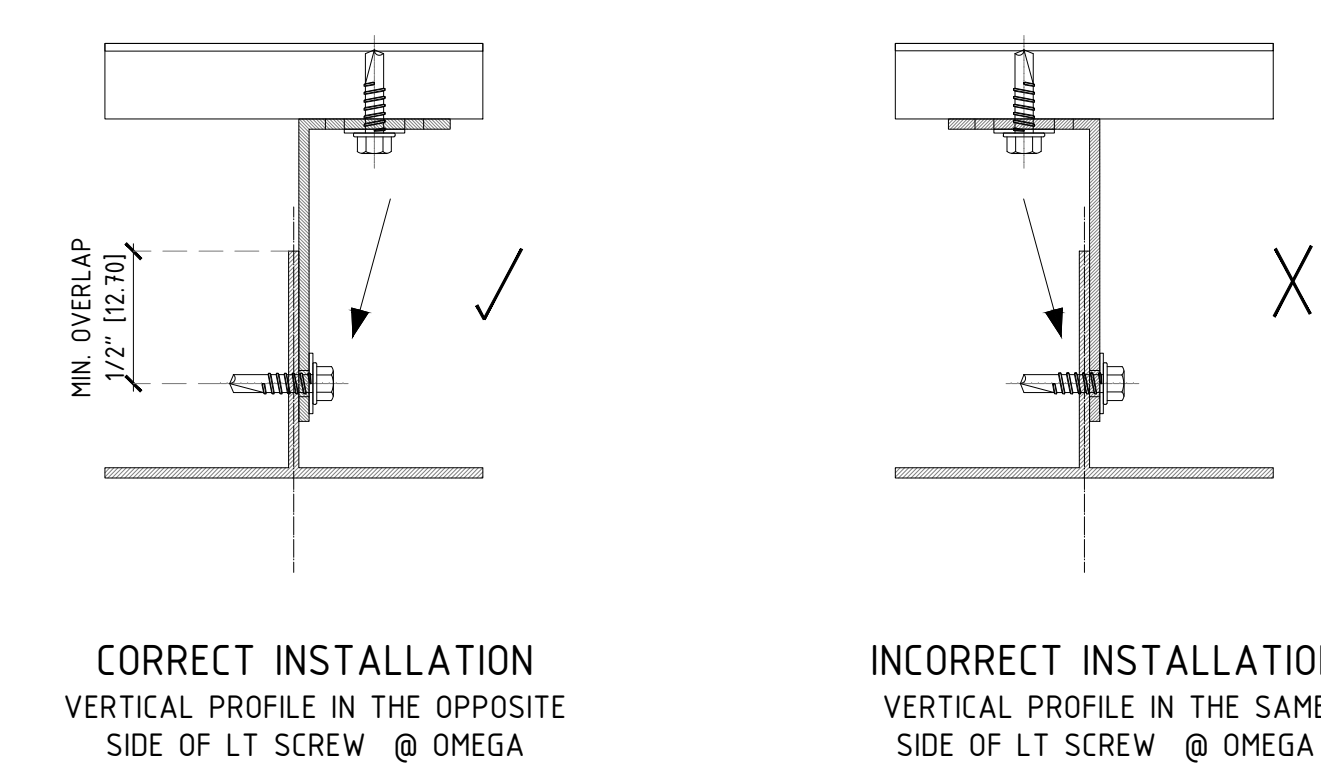
* SPACING AS INDICATED IN THE PROJECT SUBSTRUCTURE DRAWINGS. IF NOT NOTED, FOLLOW THIS.



7 - LOCATION AND NO. OF FIXING POINTS

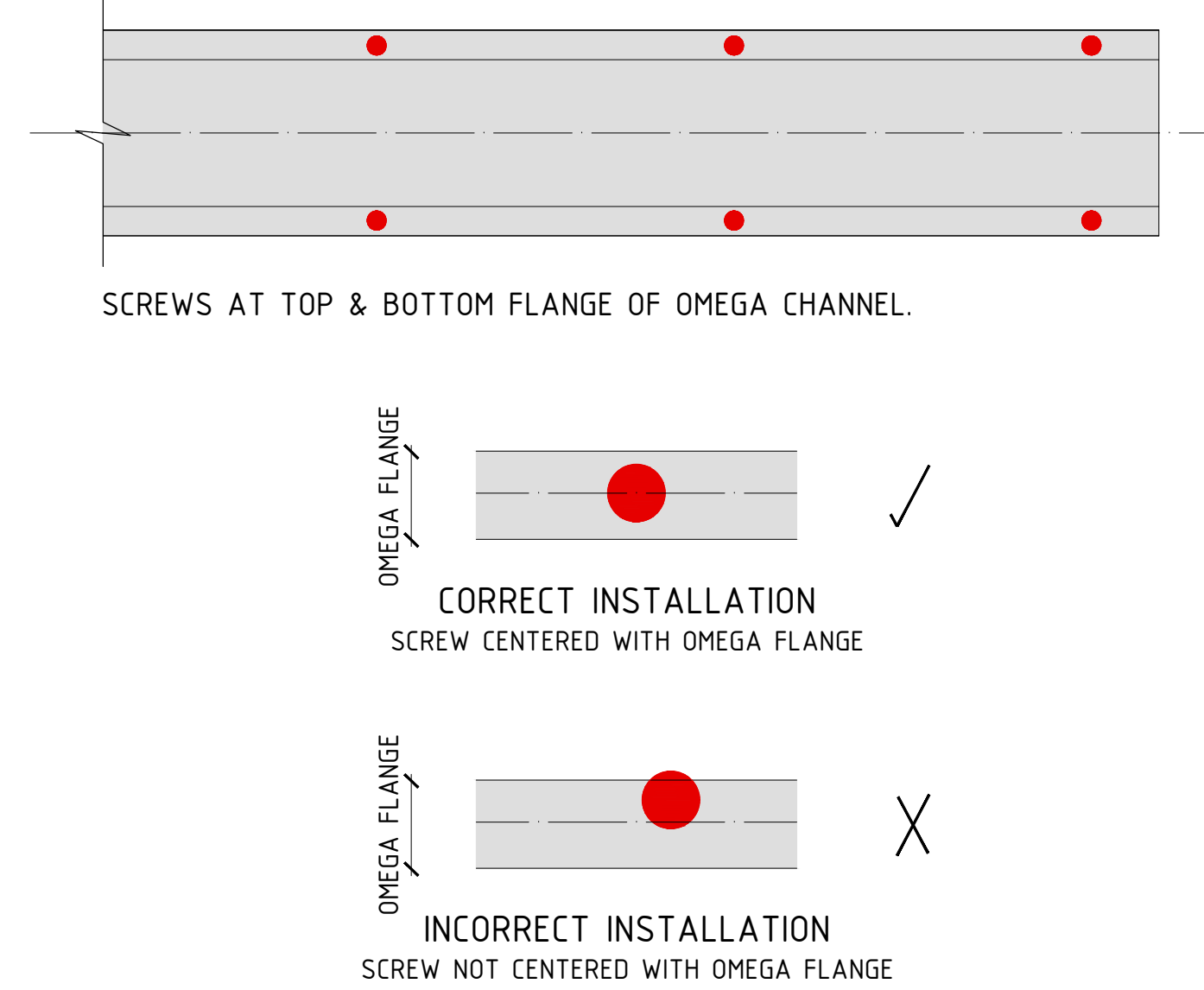


8 - TYPICAL SCREW LOCATION @ L-BRACKET SUPPORT



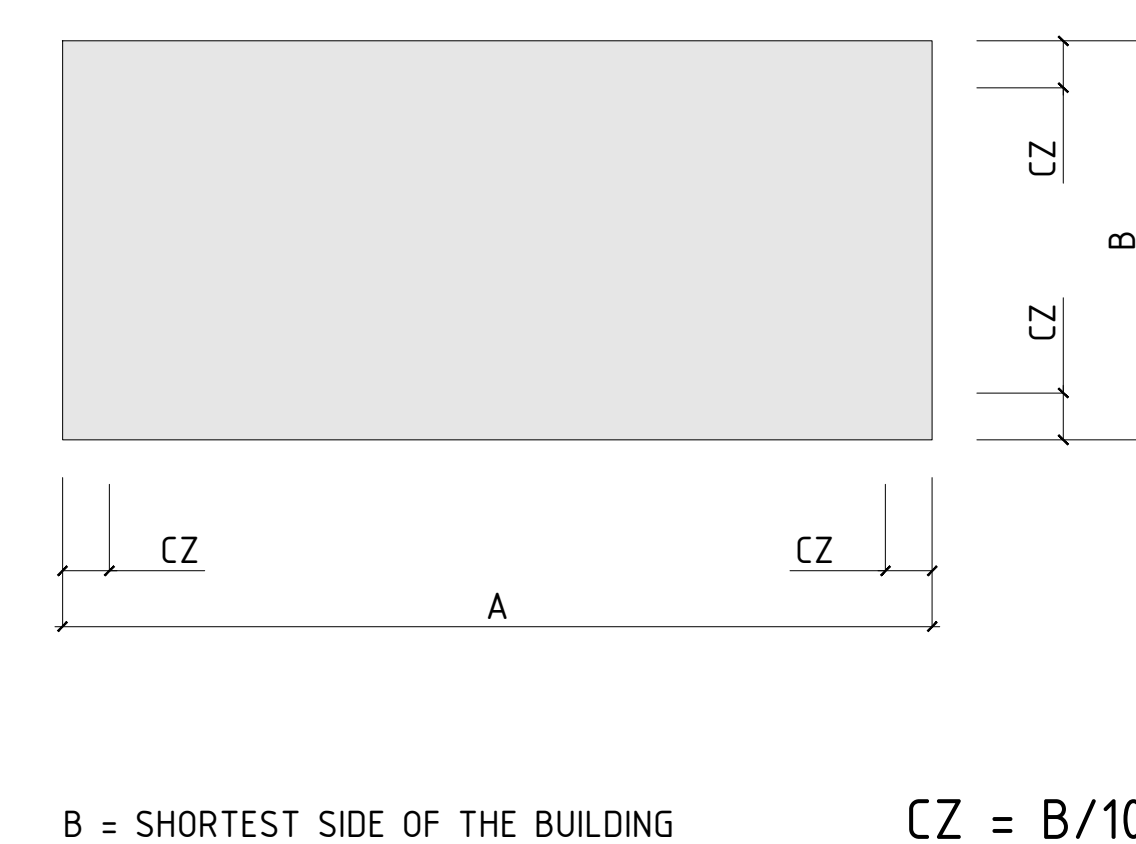
9 - LOCATION OF FIXING POINTS @ OMEGAS

* SCREW SPECIFICATION WILL DEPEND ON TYPE OF SUBSTRATE - REFER TO SCREW SCHEDULE



10 - TYPICAL CORNER ZONE

- CORNER ZONE AREA (CZ): TYPICALLY B/10 FROM EDGE OF THE WALL
 - DOUBLE SUPPORT BRACKET @ ALL CORNER ZONE SUPPORT BRACKETS
 - CHECK CALCULATION SFY FOR MORE INFO



11 - VERTICAL PROFILES INSTALLATION

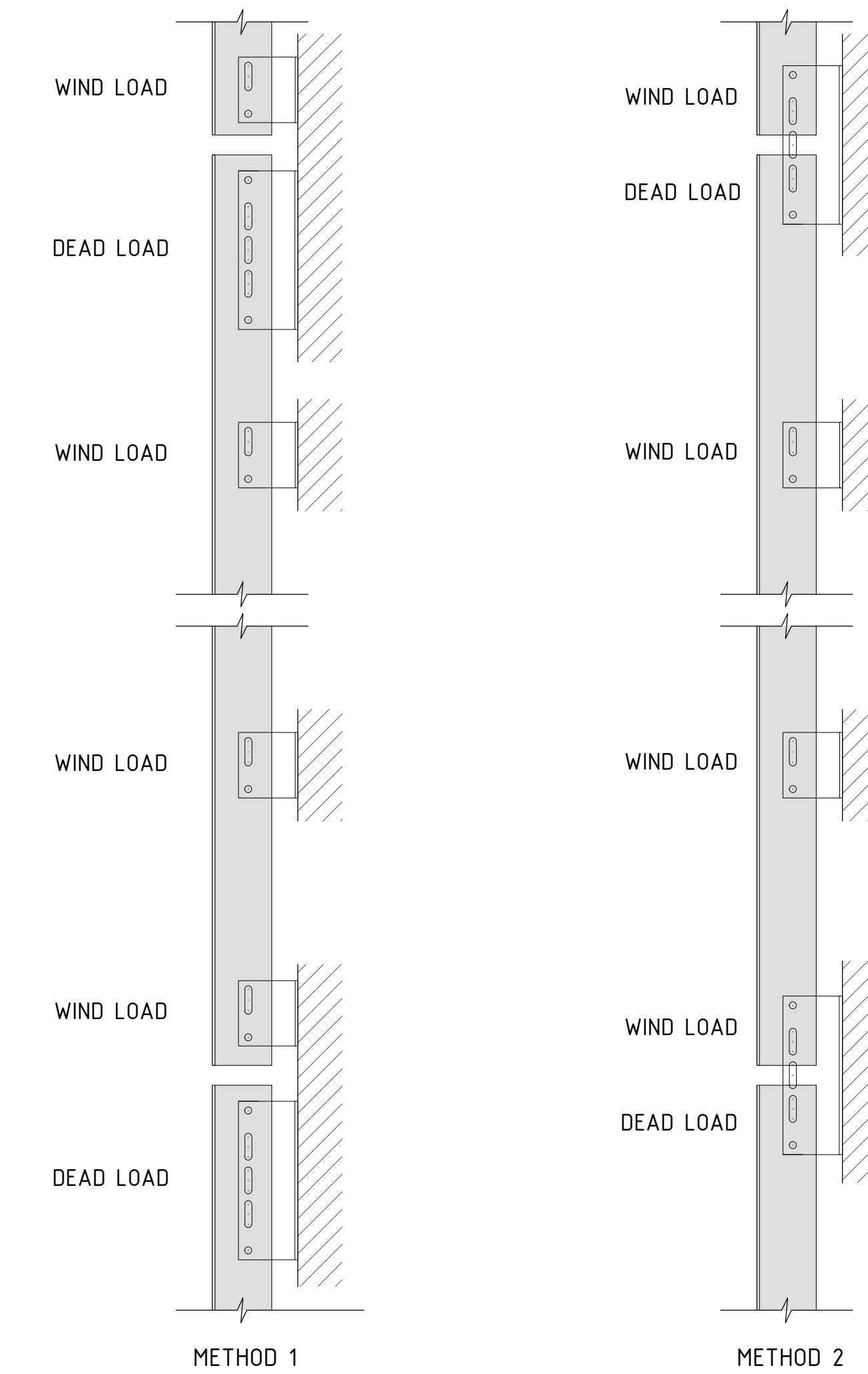
METHOD 1: VERTICAL PROFILES ARE FIXED INDEPENDENTLY

METHOD 2: VERTICAL PROFILES ARE FIXED TOGETHER

VERTICAL PROFILES ARE FIXED INDEPENDENTLY OF EACH OTHER TO ALLOW FREE/INDEPENDENT MOVEMENT. RECOMMENDED METHOD FOR HIGH/RISE BUILDINGS, BUILDINGS IN SEISMIC ZONES OR BUILDINGS WHERE LIVE LOAD DEFLECTION OF SLABS NEEDS TO BE ACCOMMODATED WITHIN THE CLADDING SYSTEM.

VERTICAL PROFILES SHARE SUPPORT BRACKETS AND THEREFORE ARE FIXED CONTINUOUSLY. RECOMMENDED METHOD FOR LOW-RISE BUILDINGS WHERE LIVE LOAD DEFLECTION OF SLABS IS NOT NECESSARY TO BE ACCOMMODATED WITHIN THE CLADDING SYSTEM.

METHOD 1	METHOD 2
●	



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REVISIONS:

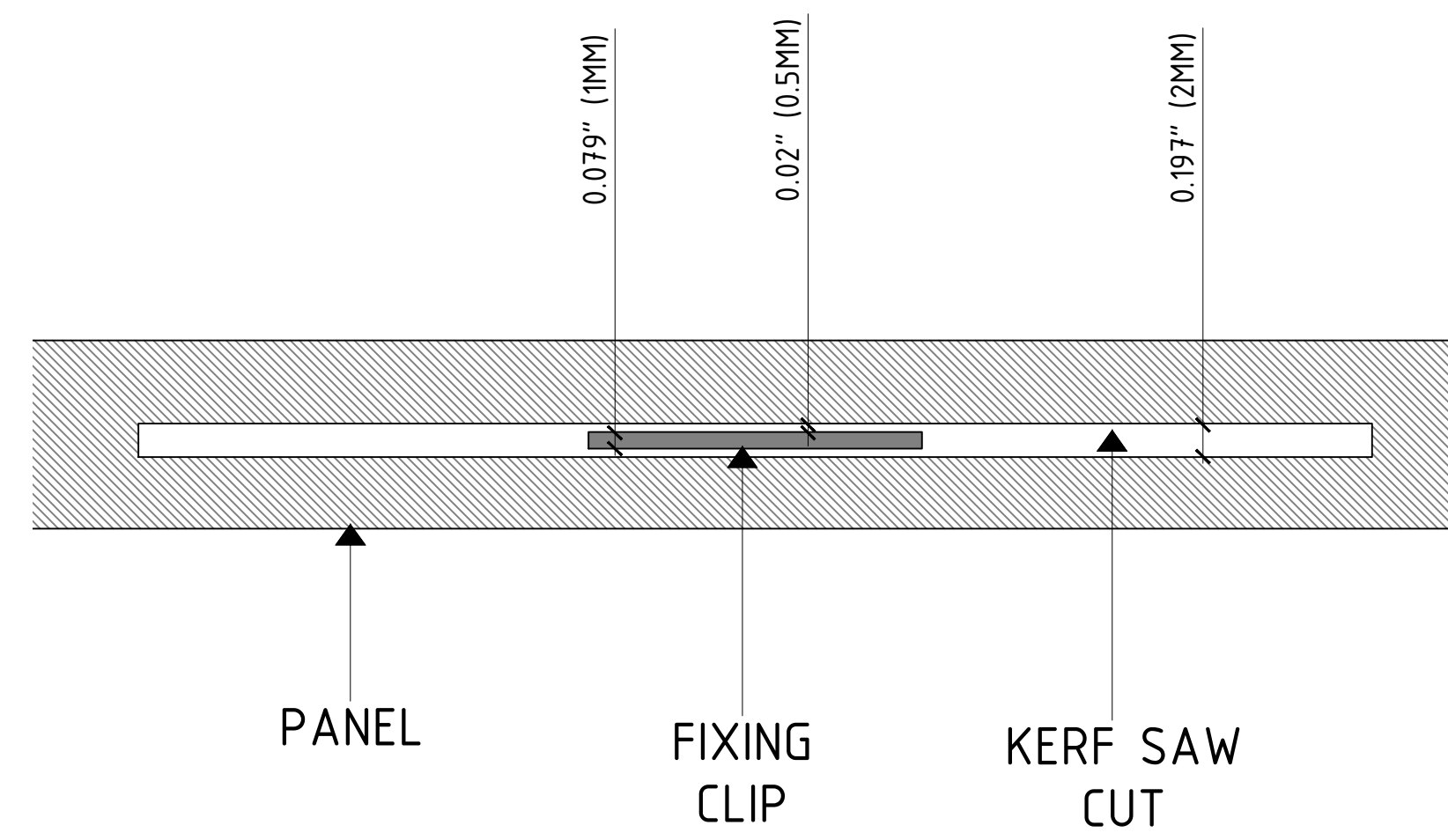
DATE	REV.	DESCRIPTION

SHEET TITLE:
GENERAL SUBSTRUCTURE DETAILS 1

SCALE:
 NTS

1 - MOVEMENT ALLOWANCE AT KERF SAW CUT

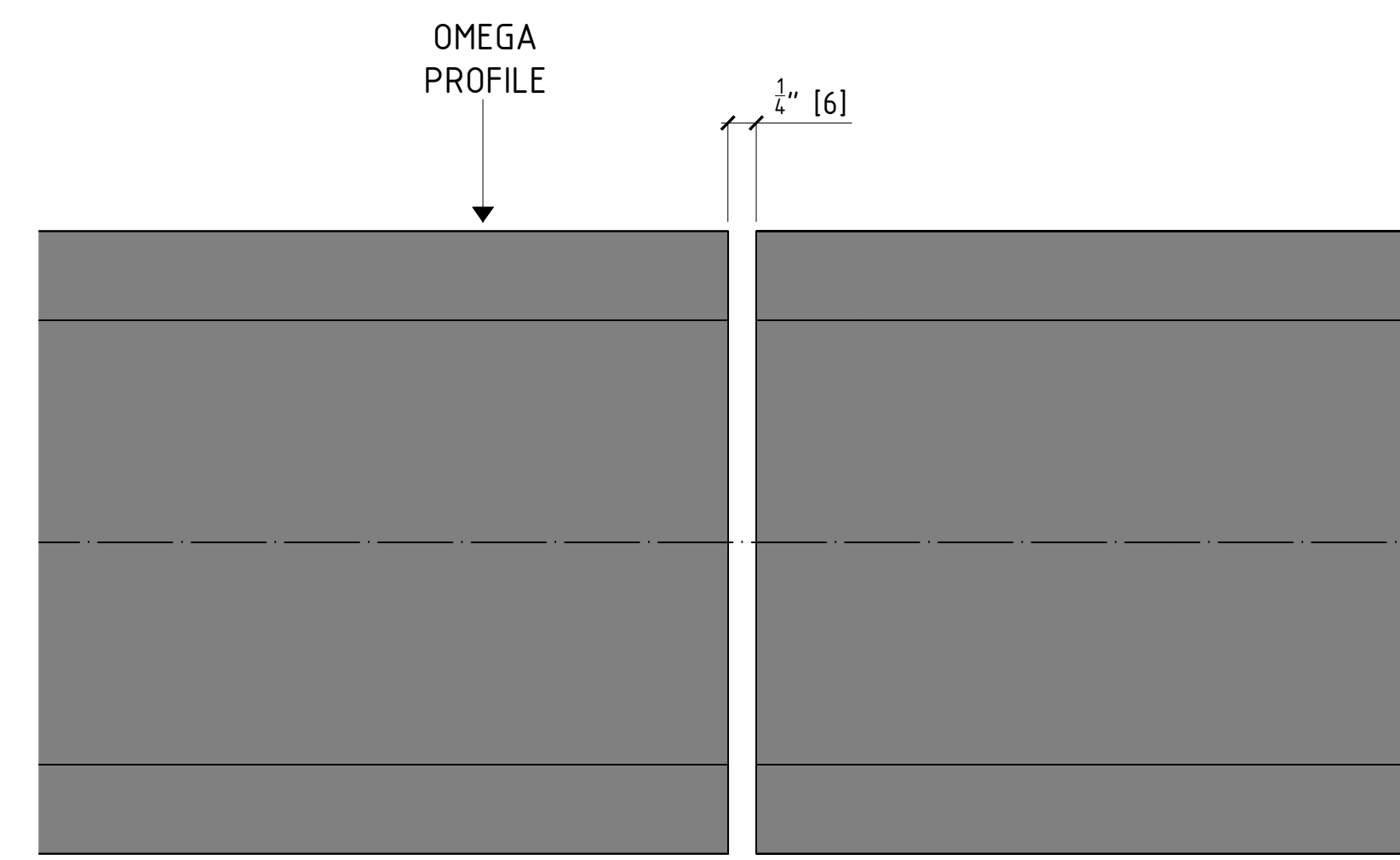
FOR THE CONCEALED FIXING SYSTEM, THE CLIPS SUPPORTING THE WEIGHT OF THE PANEL ARE INSERTED INTO KERF SAW CUTS AT THE EDGE OF THE PANEL AND AROUND ITS PERIMETER. THE KERF CUT IS OVERSIZED COMPARED TO THE CLIP TO ALLOW FOR THERMAL EXPANSION/CONTRACTION AS WELL AS MINOR SEISMIC MOVEMENT. WHILE THE PANEL CAN MOVE FREELY, IT IS STILL FIXED TO THE SUBSTRUCTURE DUE TO P404 ADHESIVE WHICH PROVIDES AN ELASTIC FIXING SOLUTION.



*THERE IS A TINY BIT OF PLAY BETWEEN THE TILE AND THE FIXING PLATE THAT ALLOWS THERMAL EXPANSION OF THE COMPONENTS.

3 - MINIMUM SPACING BETWEEN OMEGA PROFILES

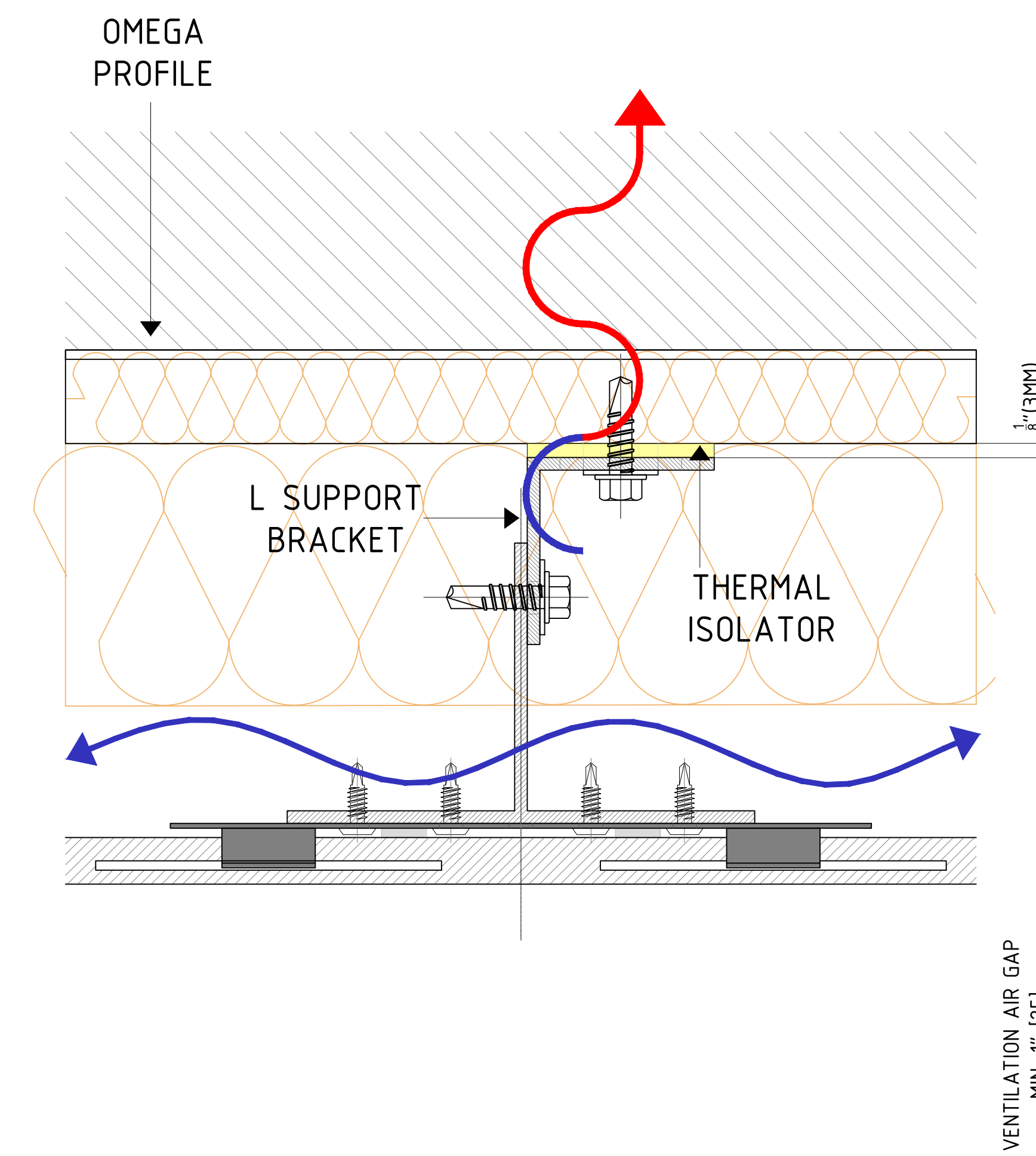
A MINIMUM SPACING AS NOTED BELOW IS REQUIRED BETWEEN OMEGA PROFILES TO ALLOW FOR EXPANSION / CONTRACTION OF ALUMINUM DUE TO TEMPERATURE CHANGES



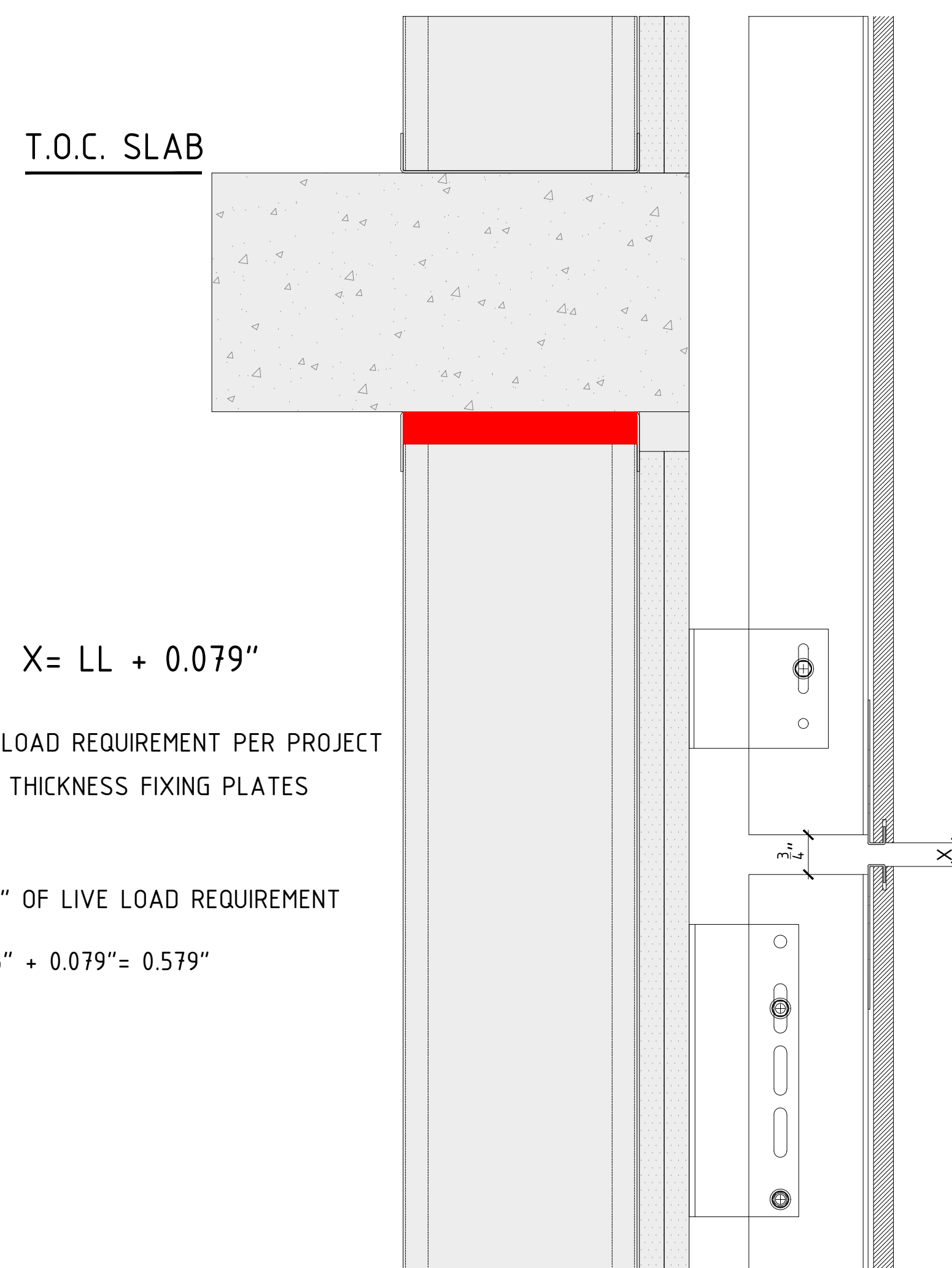
*THERE IS ALWAYS 1/2" (12.5MM) GAP BETWEEN OMEGA PROFILES SO TO ALLOW FOR THERMAL EXPANSION.

5 - THERMALLY BROKEN CONTINUOUS INSULATED SYSTEM

THERMAL ISOLATOR MAY BE PROVIDED FOR THERMAL BREAK. THEY ARE LOCATED IN BETWEEN OMEGA PROFILE AND L-BRACKETS (STUD WALL) OR IN BETWEEN SUBSTRATE AND L-BRACKETS (SOLID WALLS)

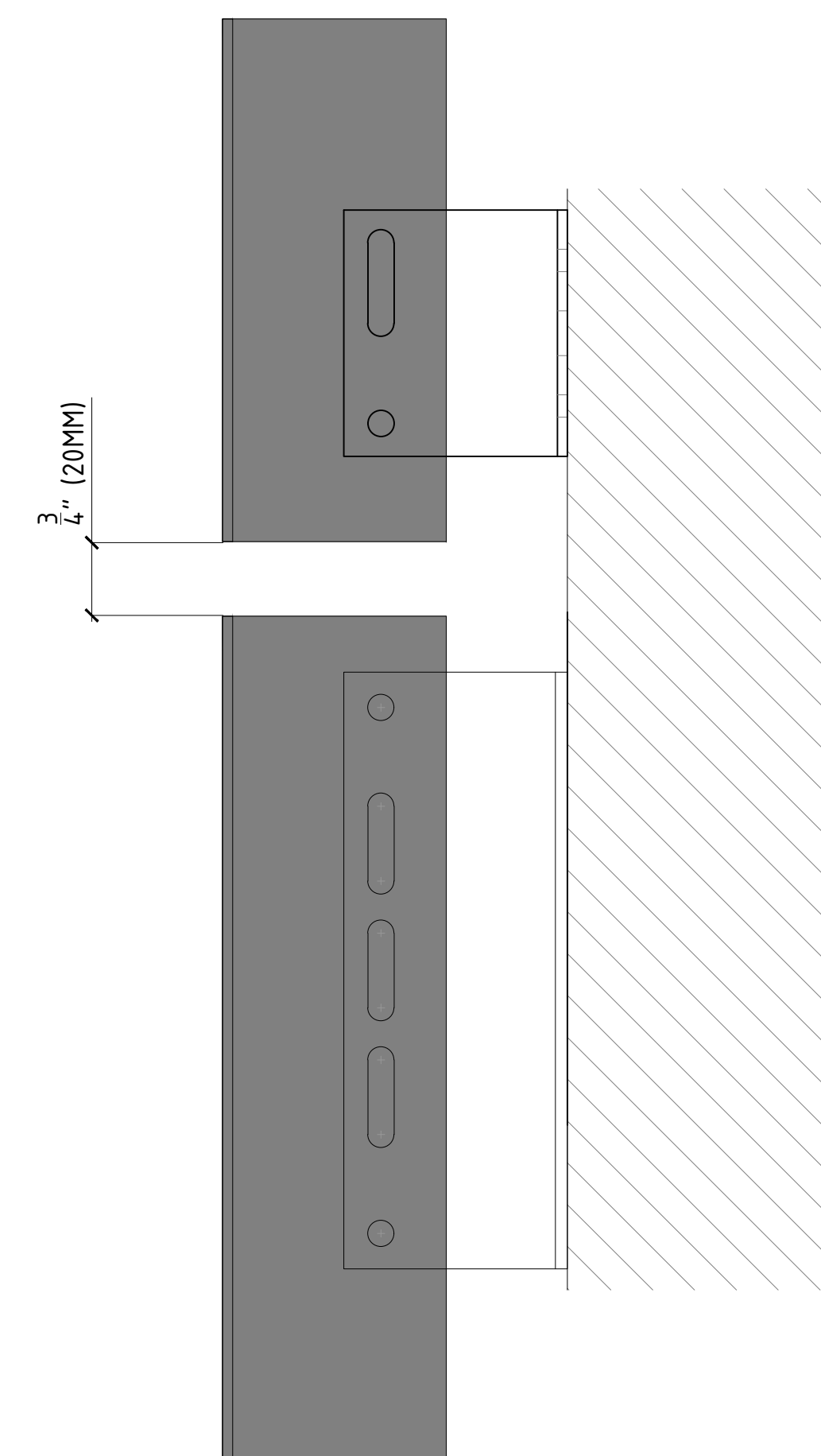


2 - VERTICAL LIVE LOAD DEFLECTION



4 - MINIMUM SPACING BETWEEN VERTICAL PROFILE

TYPICALLY, THE LOWER END OF THE VERTICAL PROFILES IS WHERE EXPANSION / CONTRACTION WILL OCCUR. THEREFORE, A MINIMUM SPACING BETWEEN PROFILES IS NECESSARY TO ALLOW THIS.

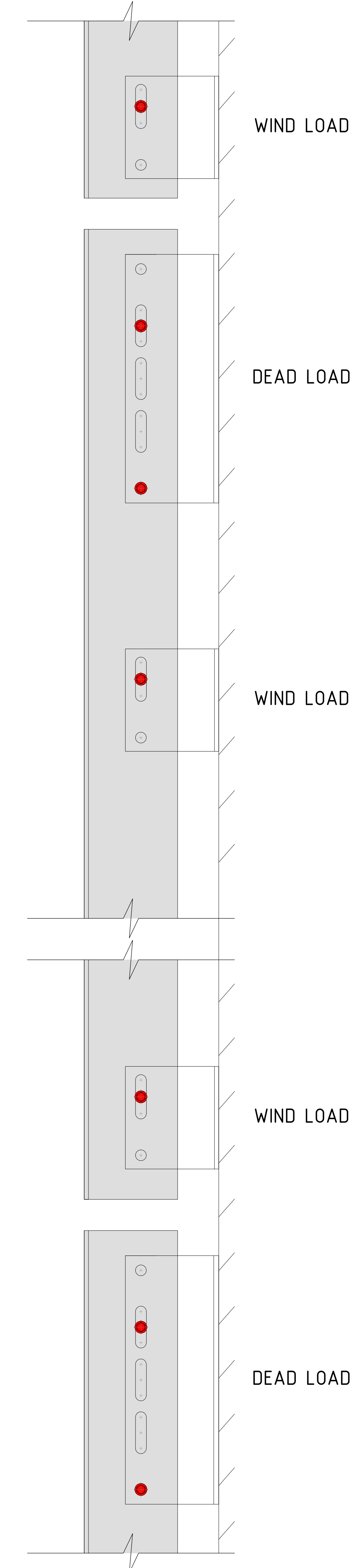


*THERE IS ALWAYS 1/2" (12.5MM) GAP BETWEEN PROFILES SO TO ALLOW FOR THERMAL EXPANSION.

6 - VERTICAL PROFILES INSTALLATION

METHOD 1: VERTICAL PROFILES ARE INDEPENDENT OF EACH OTHER TO ALLOW FREE MOVEMENT

*RECOMMENDED METHOD FOR HIGH RISE BUILDINGS & FOR SEISMIC ZONES
*USE WHEN VERTICAL LIVE LOAD DEFLECTION IS NEEDED



REVISIONS:		
DATE	REV.	DESCRIPTION

SHEET TITLE:
GENERAL SUBSTRUCTURE
DETAILS 2

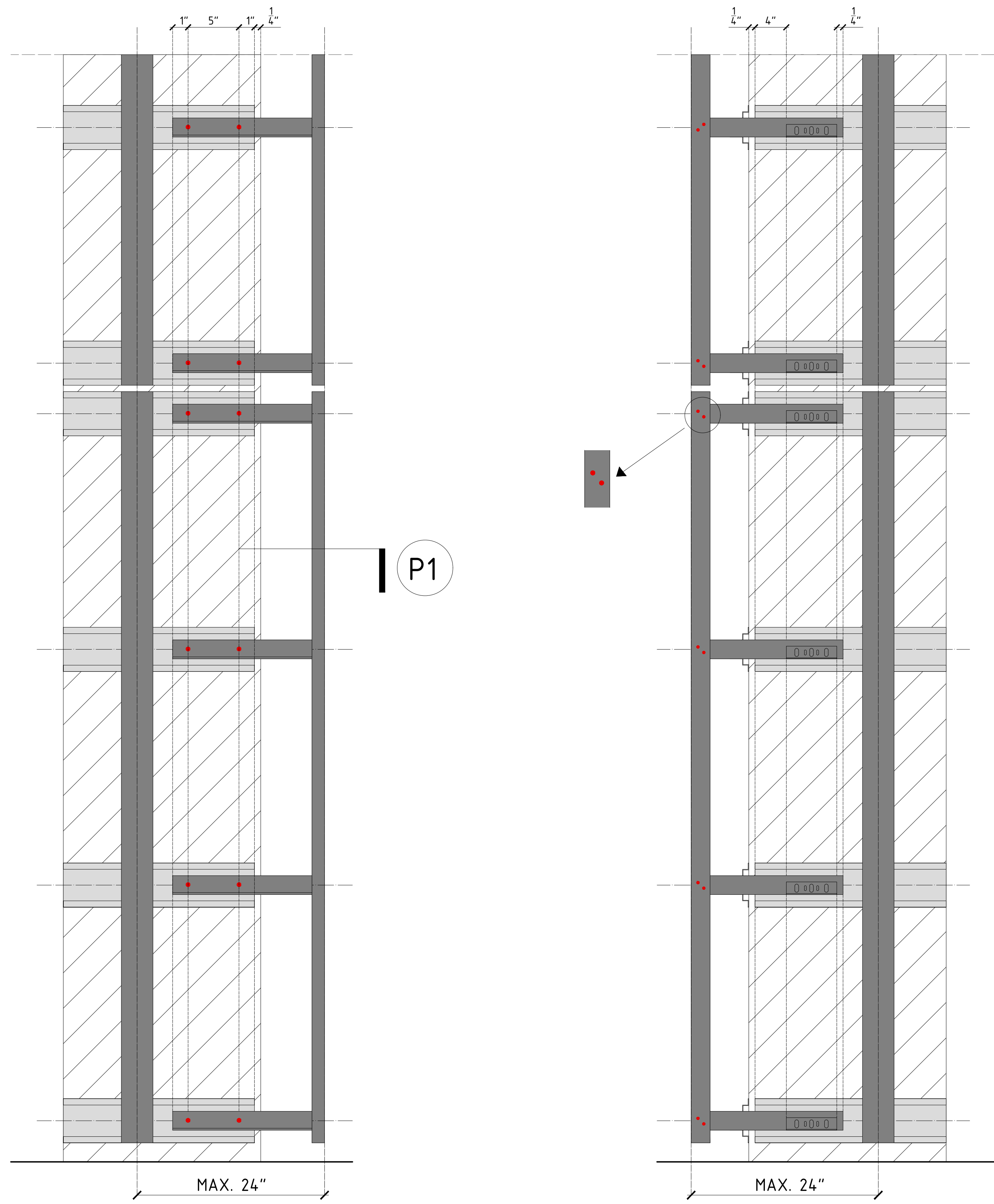
SCALE:
NTS

SHEET NO.:
007

REVISION:
A

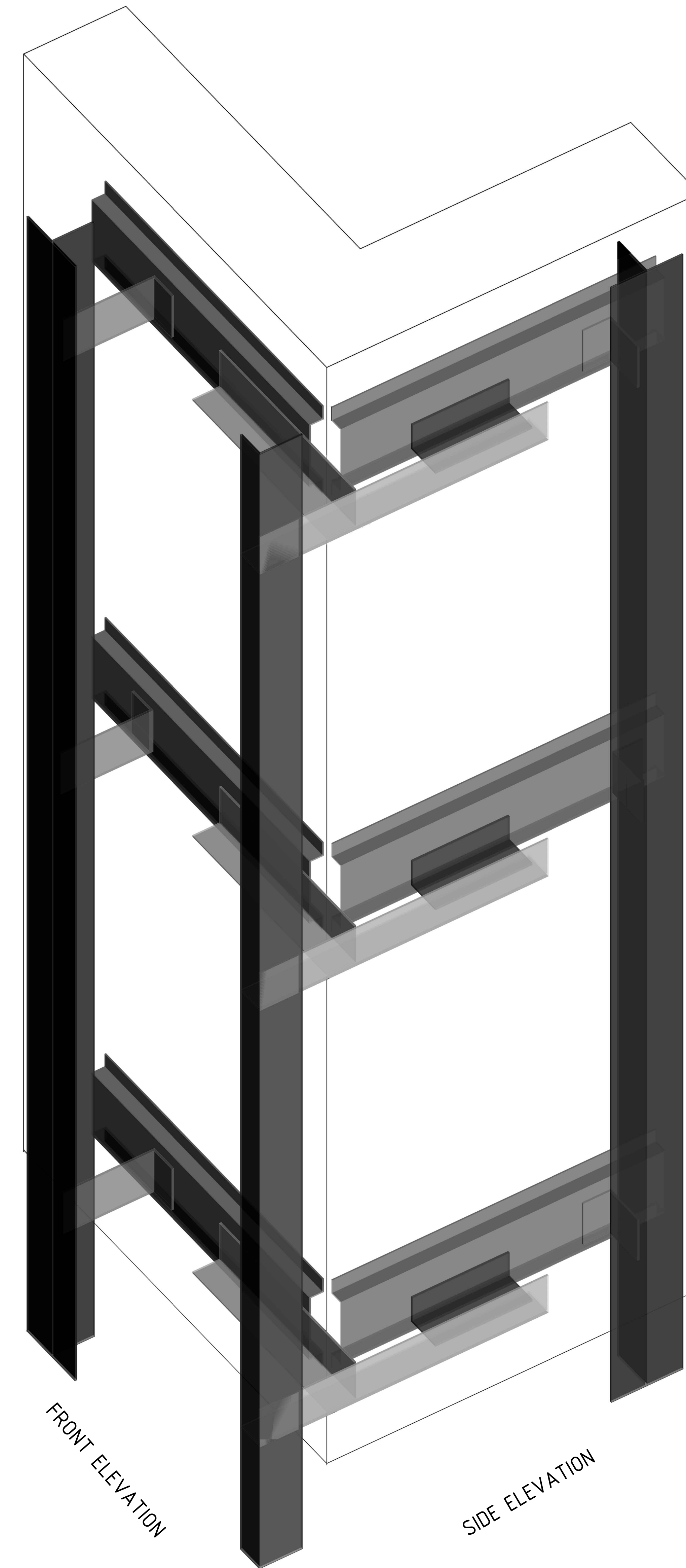
1 - STANDARD SOLUTION FOR SUBSTRUCTURE AT CORNERS

*NOTE THAT THE CORNER SOLUTION MAY VARY FOR EACH PROJECT.
PLEASE REFER TO PROJECT SUBSTRUCTURE DRAWINGS IF APPLICABLE.
IN ABSENCE OF PROJECT SPECIFIC DRAWINGS, THE CORNER SOLUTION TO BE USED IS AS SHOWN BELOW.



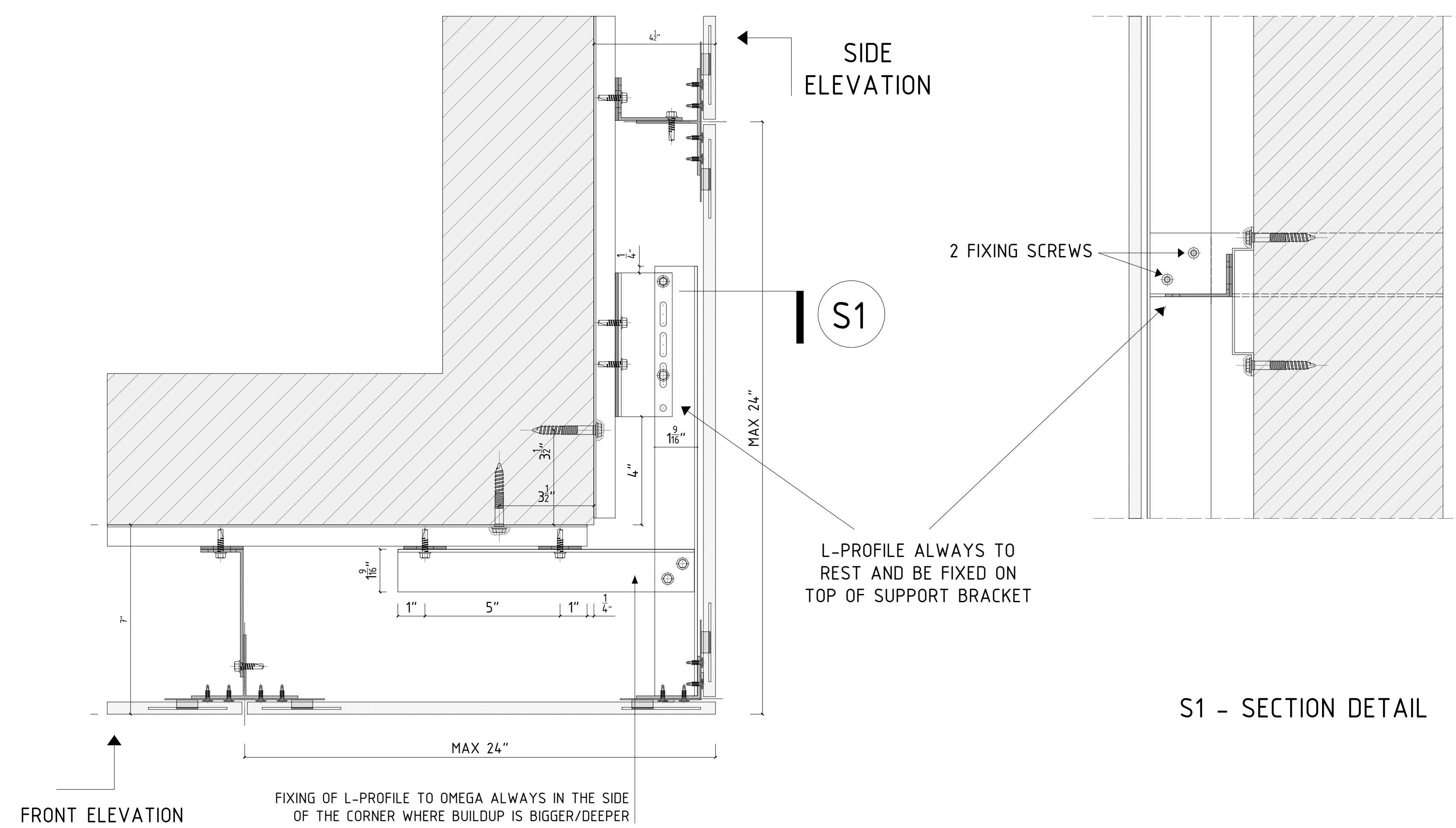
FRONT ELEVATION

SIDE ELEVATION



FRONT ELEVATION

SIDE ELEVATION



P1 - PLAN DETAIL

S1 - SECTION DETAIL

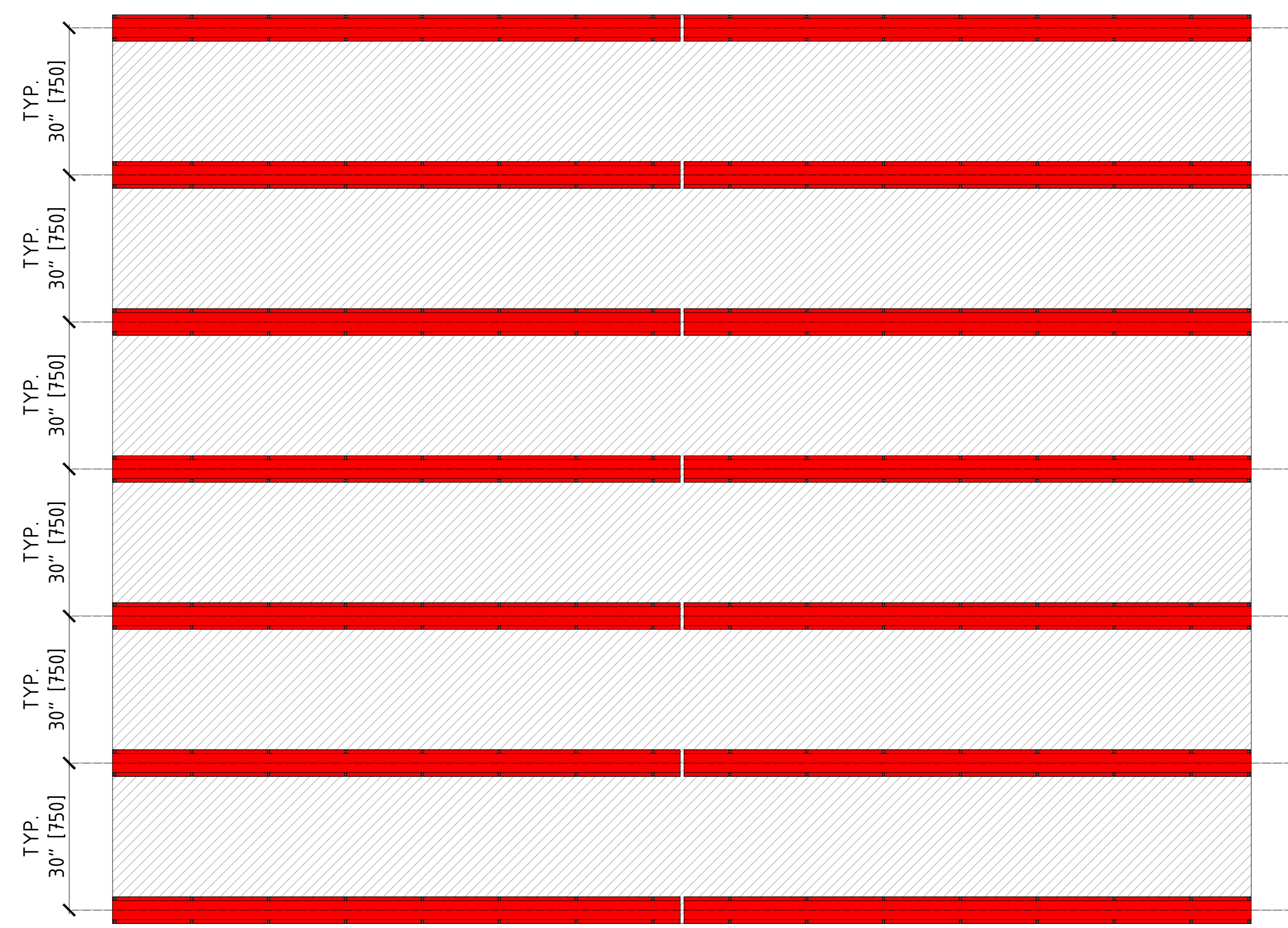
REVISIONS:

DATE	REV.	DESCRIPTION

SHEET TITLE:
THE CORNER SOLUTION

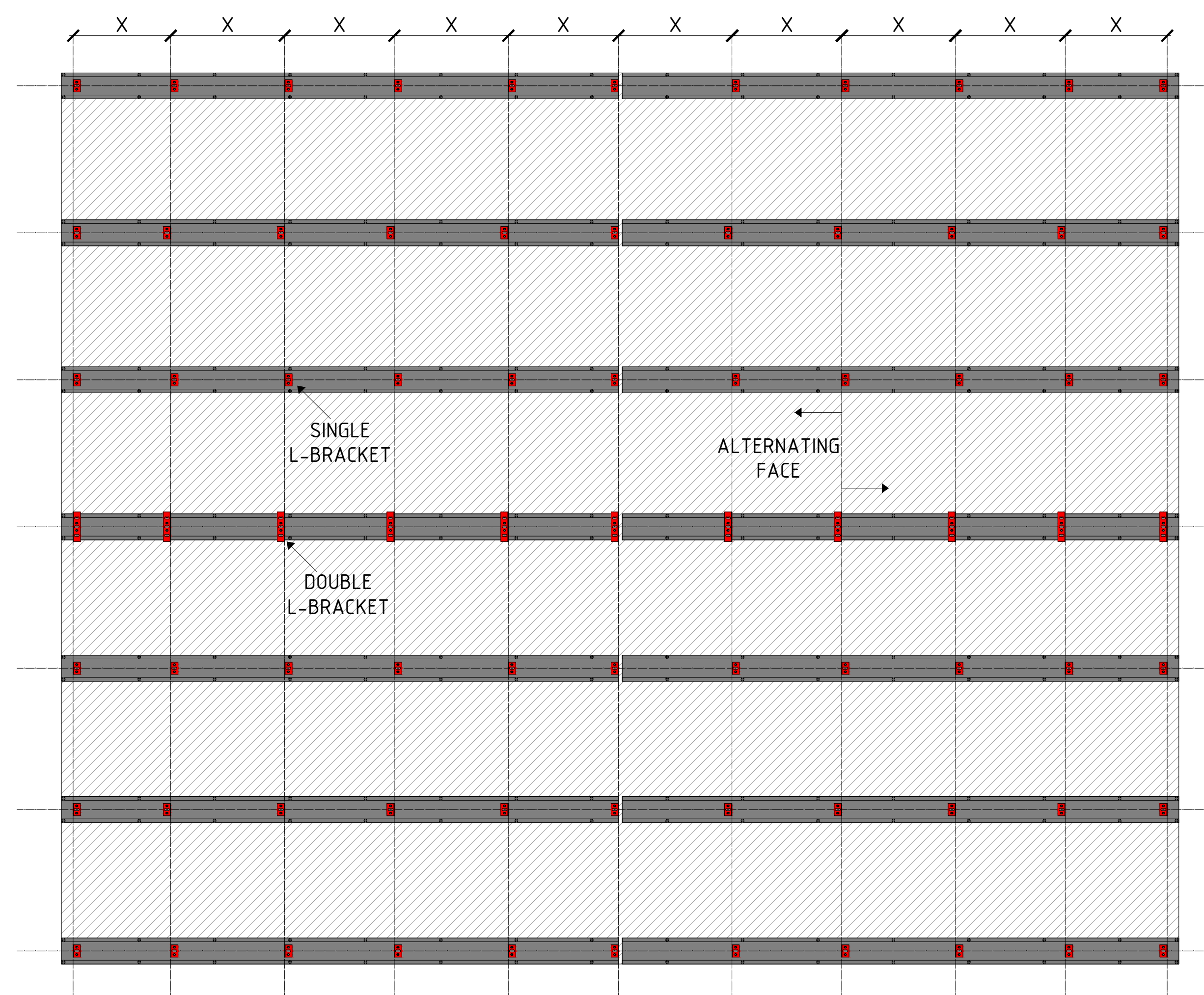
SCALE:
NTS

SHEET NO: **008** REVISION: **A**



STEP 1: OMEGA PROFILES

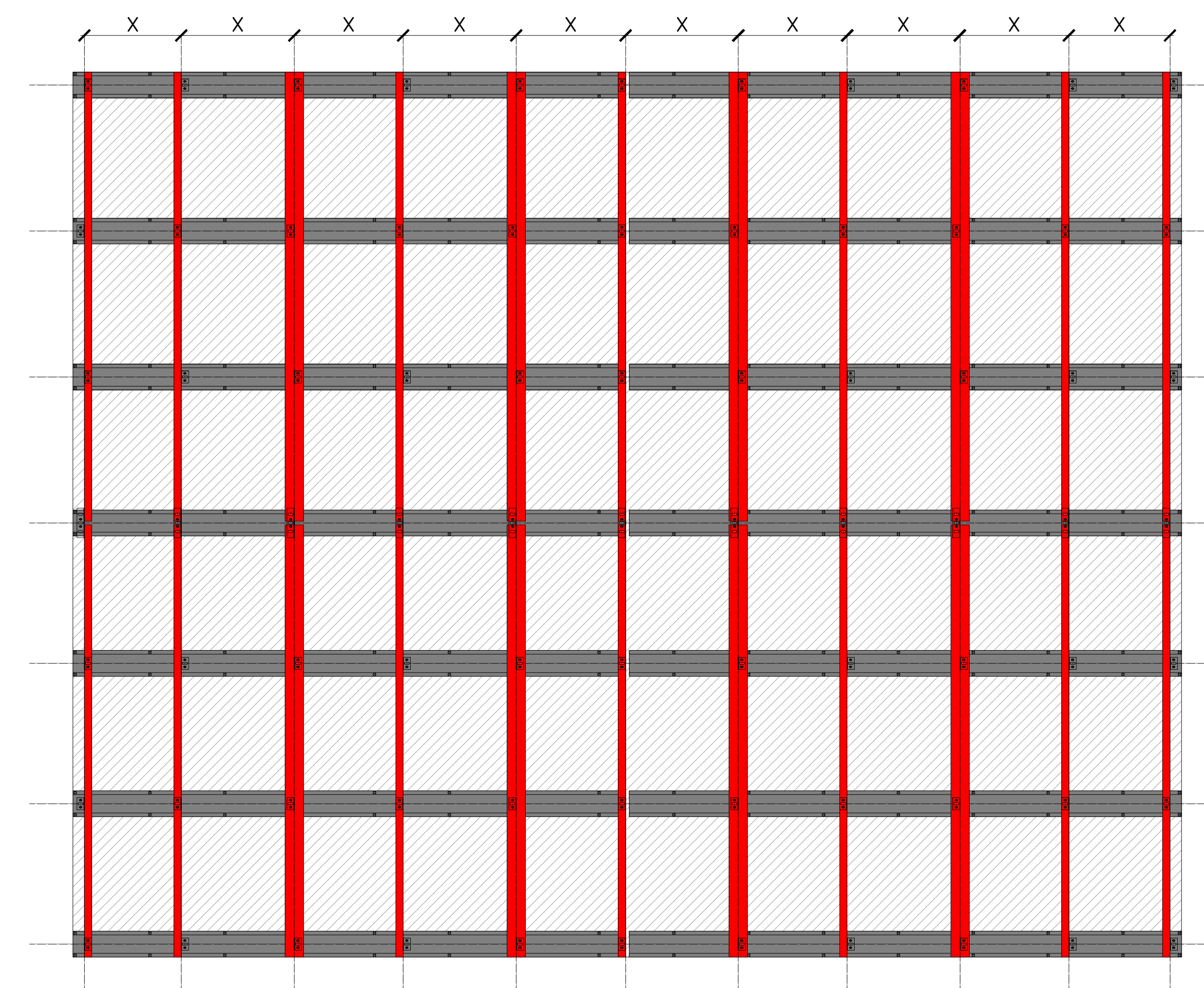
Omegas are installed at stud locations every 24-30" o/c vertically.



STEP 2: SUPPORT BRACKETS + THERMAL ISOLATORS

X= VARIES DEPENDING ON SPACING OF VERTICAL PROFILES

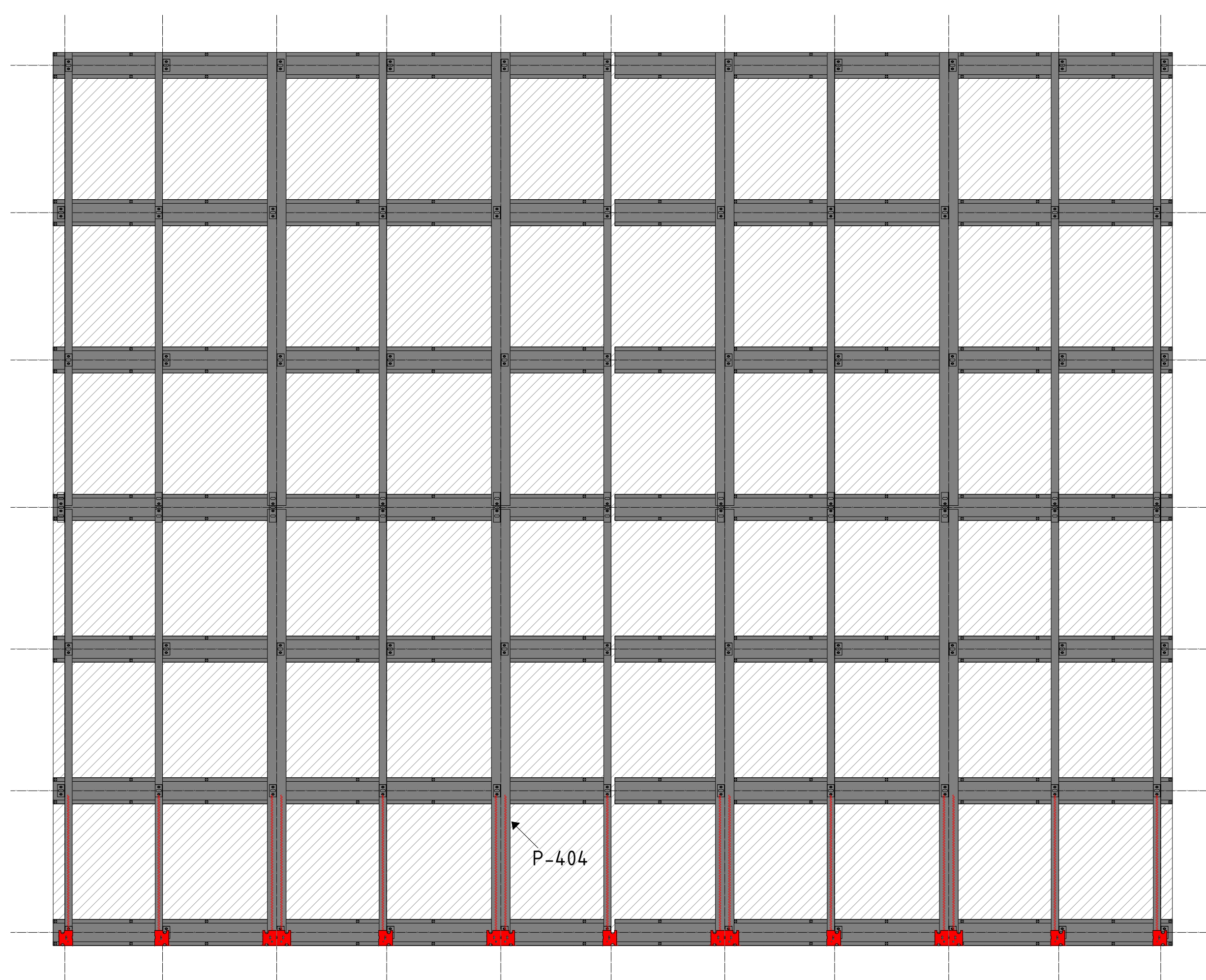
Thermal isolators and brackets are installed alternating face. The brackets are used to attach the vertical profiles to the main structure of the building.



STEP 3: VERTICAL PROFILES

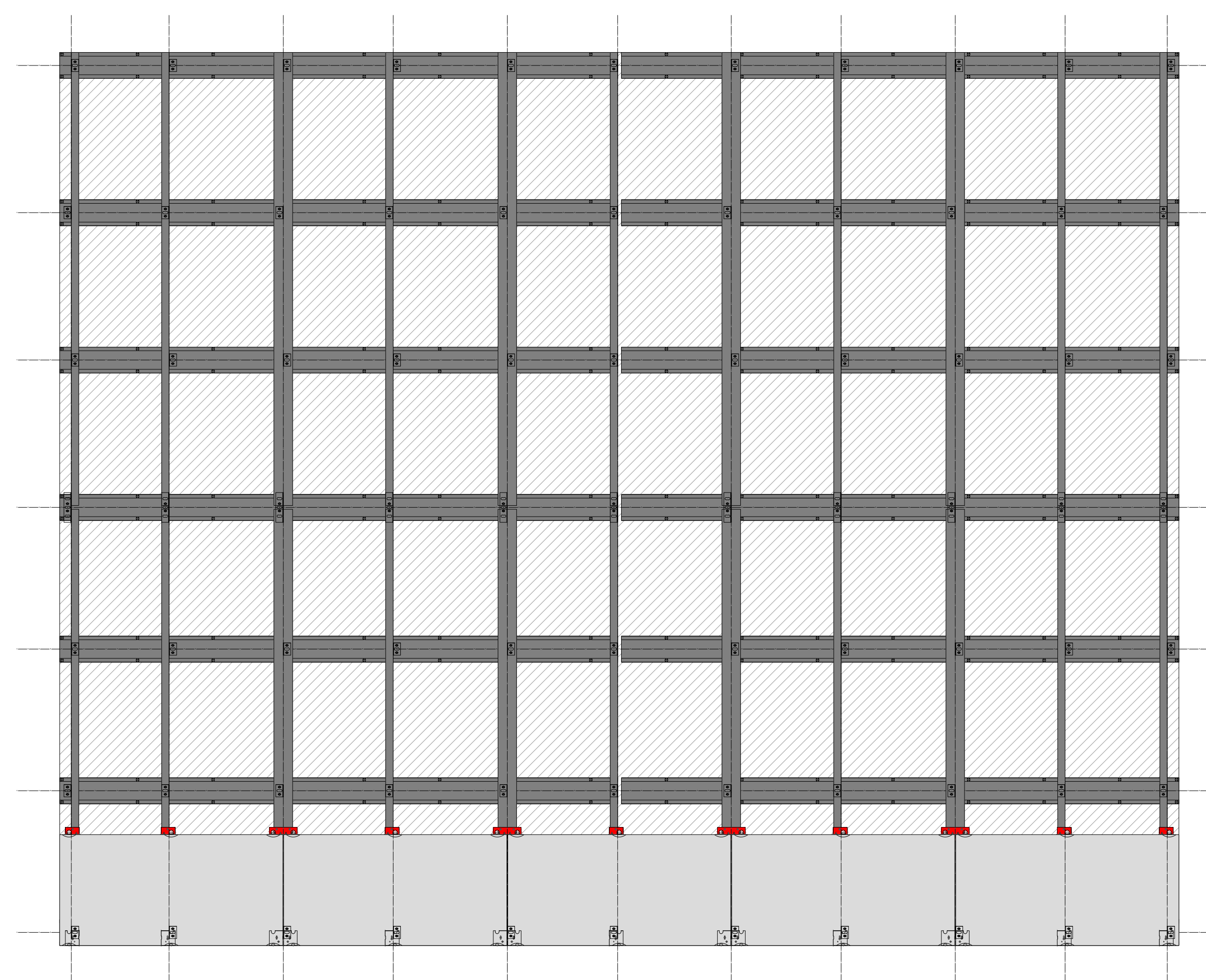
X= VARIES DEPENDING ON WIDTH OF PANEL

T profiles are always at vertical joints and L profiles at intermediary locations.

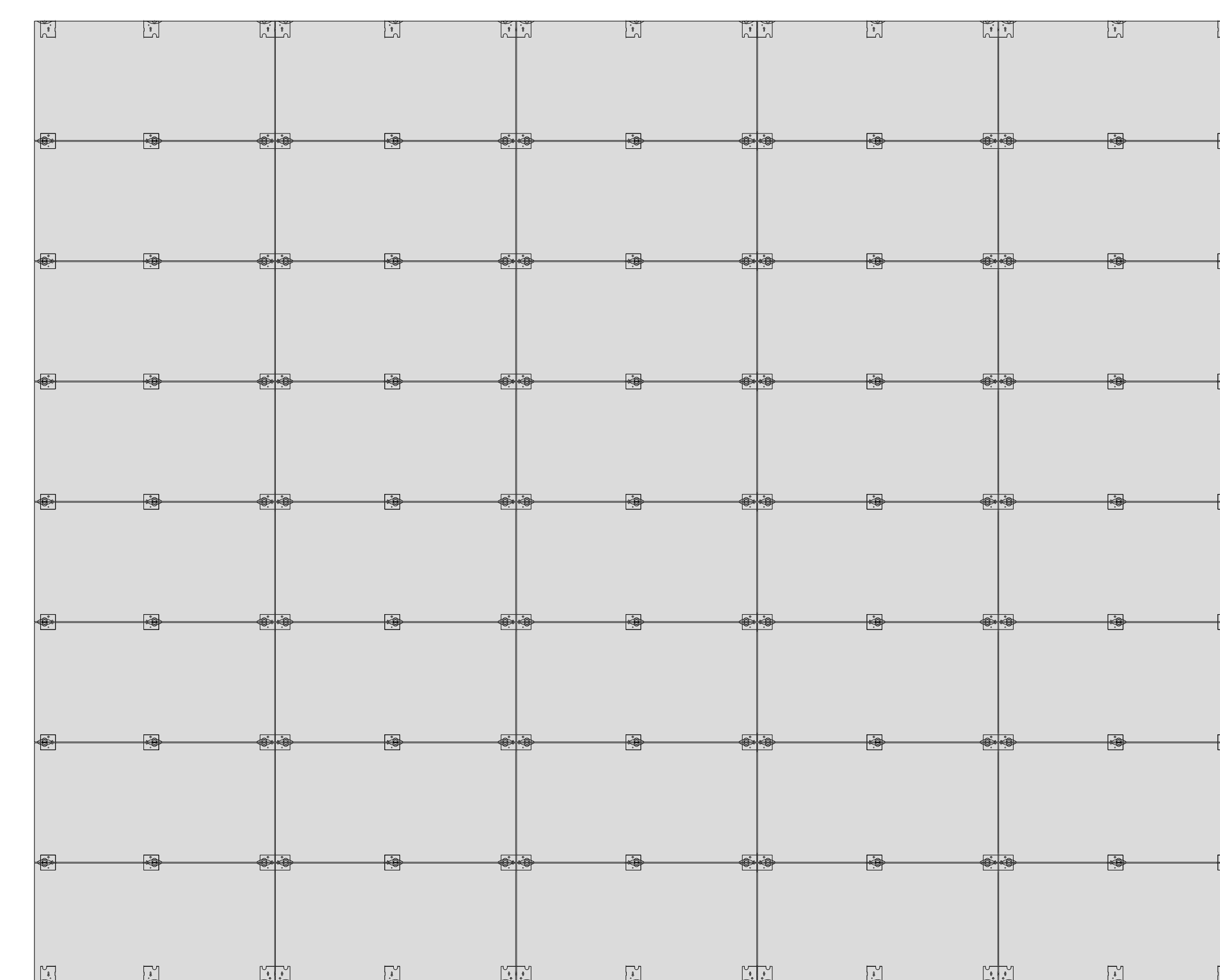


STEP 4: FIRST COURSE OF FIXING PLATES & P-404

Apply bottom row of fixing clips and adhesive (P404) to vertical profiles.



STEP 5: FIRST COURSE OF PANELS & FIXING PLATES



STEP 6: CONTINUE WITH COURSES

Use leveling wedges and crosses to keep panels in place during rest of installation and while construction adhesive cures.

PROJECT NAME:
-

ARCHITECT:
-

PROJECT NO: 00.000 STATUS:
-

PORCELANOSA FACADE/

IMPORTANT NOTES:
NOTE 1: THIS IS A REPRESENTATIVE DRAWING OF A PANEL LAYOUT FOR THE SIZE DESCRIBED HERE. ONLY IT MAY NOT BE USED AS A SHOP DRAWING AND IS MEANT TO SERVE AS A SAMPLE OF HOW THE PRODUCT MAY BE USED.

NOTE 2: THIS LAYOUT DOES NOT INCLUDE WASTE. A WASTE FACTOR OF 15% IS RECOMMENDED FOR ALL PORCELANOSA PANEL ORDERS TO ACCOUNT FOR TRUE WASTE. ADDITIONAL WASTE MAY BE ADDED AT THE INSTALLER'S DISCRETION.

NOTE 3: THIS SET OF SHOP DRAWINGS ARE EXCLUSIVELY FOR THE PORCELANOSA PORCELAIN PANEL EXTERIOR WALL SYSTEM. ANY OTHER DETAIL OR COMPONENT NOT PART OF THE PORCELANOSA PANEL EXTERIOR WALL SYSTEM IS THEREFORE SHOWN IN THIS SHOP DRAWING ONLY MERELY INDICATIVELY AND IN NO WAY IT PROVIDES OR REPRESENTS GUIDANCE/INSTRUCTION FOR HOW THIS MIGHT OR SHOULD BE BUILT. PLEASE REFER TO THE RELEVANT SHOP DRAWING PACKAGE FOR COMPONENTS AND DETAILS OUTSIDE THE SCOPE OF THIS PORCELANOSA PANEL EXTERIOR WALL SYSTEM SHOP DRAWING PACKAGE. WHERE THOSE COMPONENTS AND DETAILS ARE SHOWN, THEIR DESIGN, CONSTRUCTION DETAIL, SUPPORT SYSTEM, SUPPLY AND INSTALLATION WILL BE RESPONSIBILITY OF OTHERS (BY OTHERS).

NOTE 4: CUSTOMER IS RESPONSIBLE FOR ENSURING PROPER CONDITIONS AND REQUIREMENTS FOR INSTALLATION ARE MET PRIOR TO INSTALLATION.

NOTE 5: THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND ANY DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF THE RELEVANT ENGINEER.

REVISIONS:

DATE	REV.	DESCRIPTION

SHEET TITLE:
INSTALLATION STEP BY STEP

SCALE:
NTS

DRAWN BY:
-

CHECKED BY:
IV

SHEET NO:
009

REVISION:

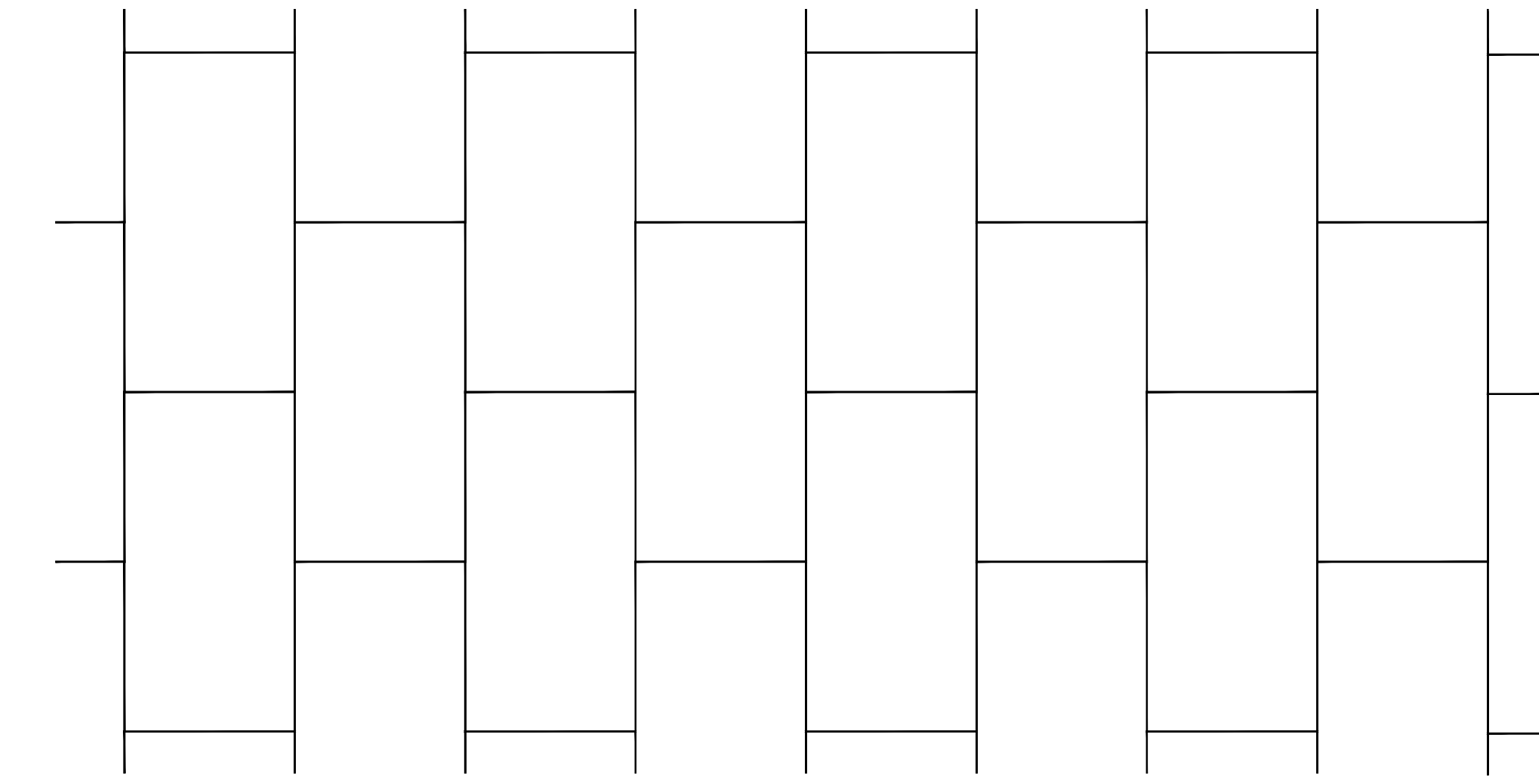
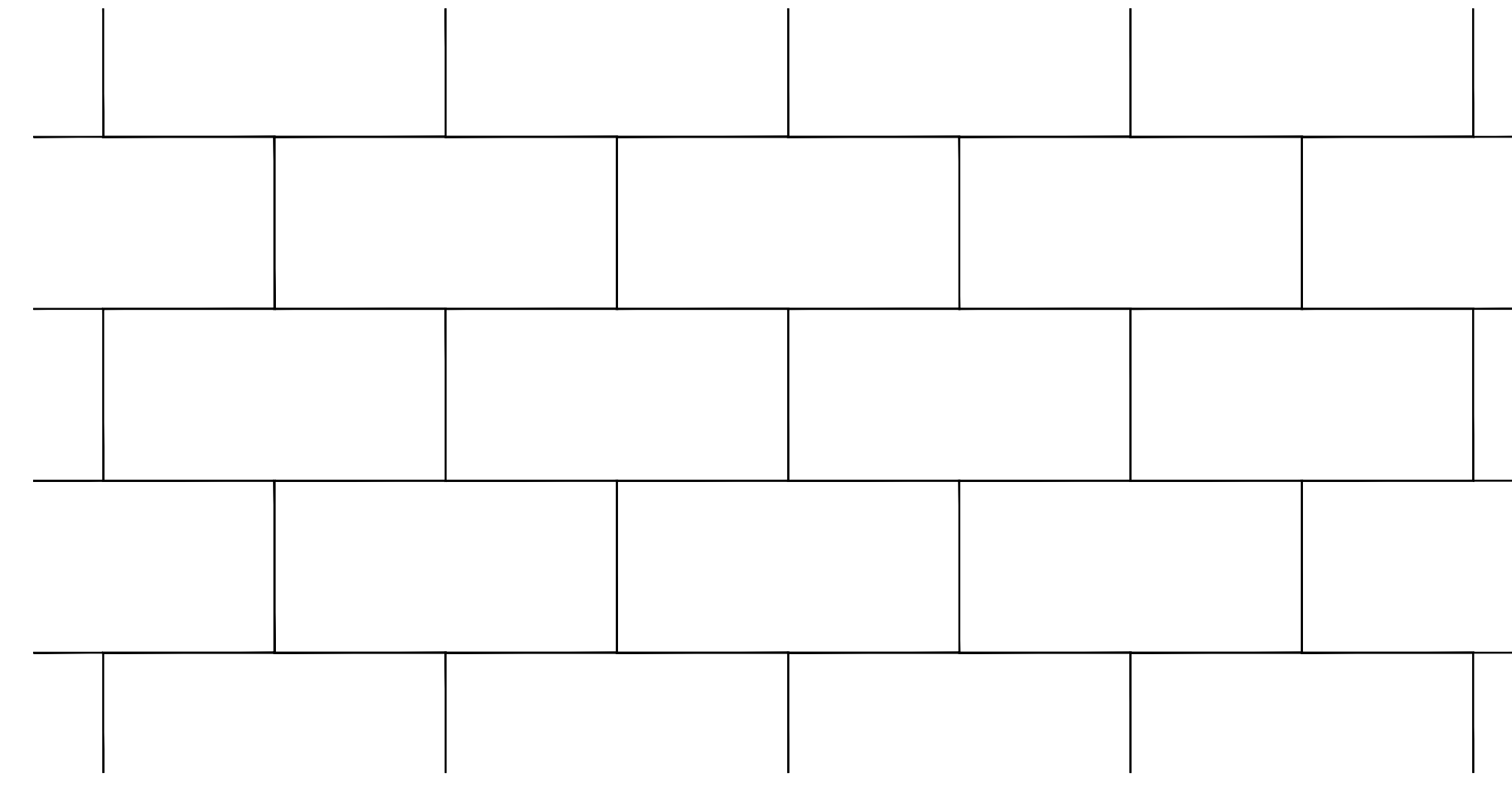
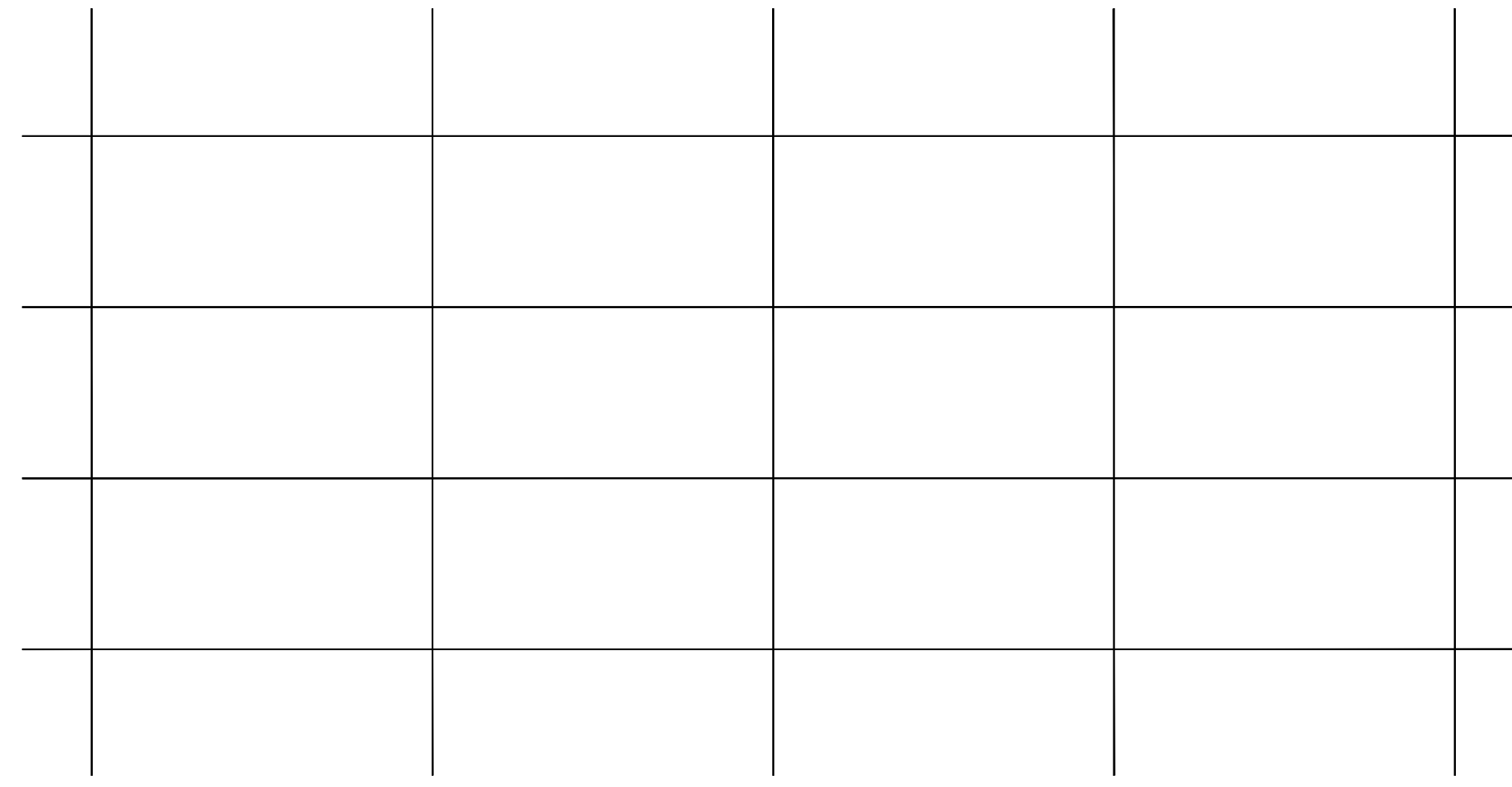
STACK PATTERN
(IN-LINE)

RUNNING BOND
(VERTICAL JOINT STAGGERED)

RUNNING BOND
(HORIZONTAL JOINT STAGGERED)

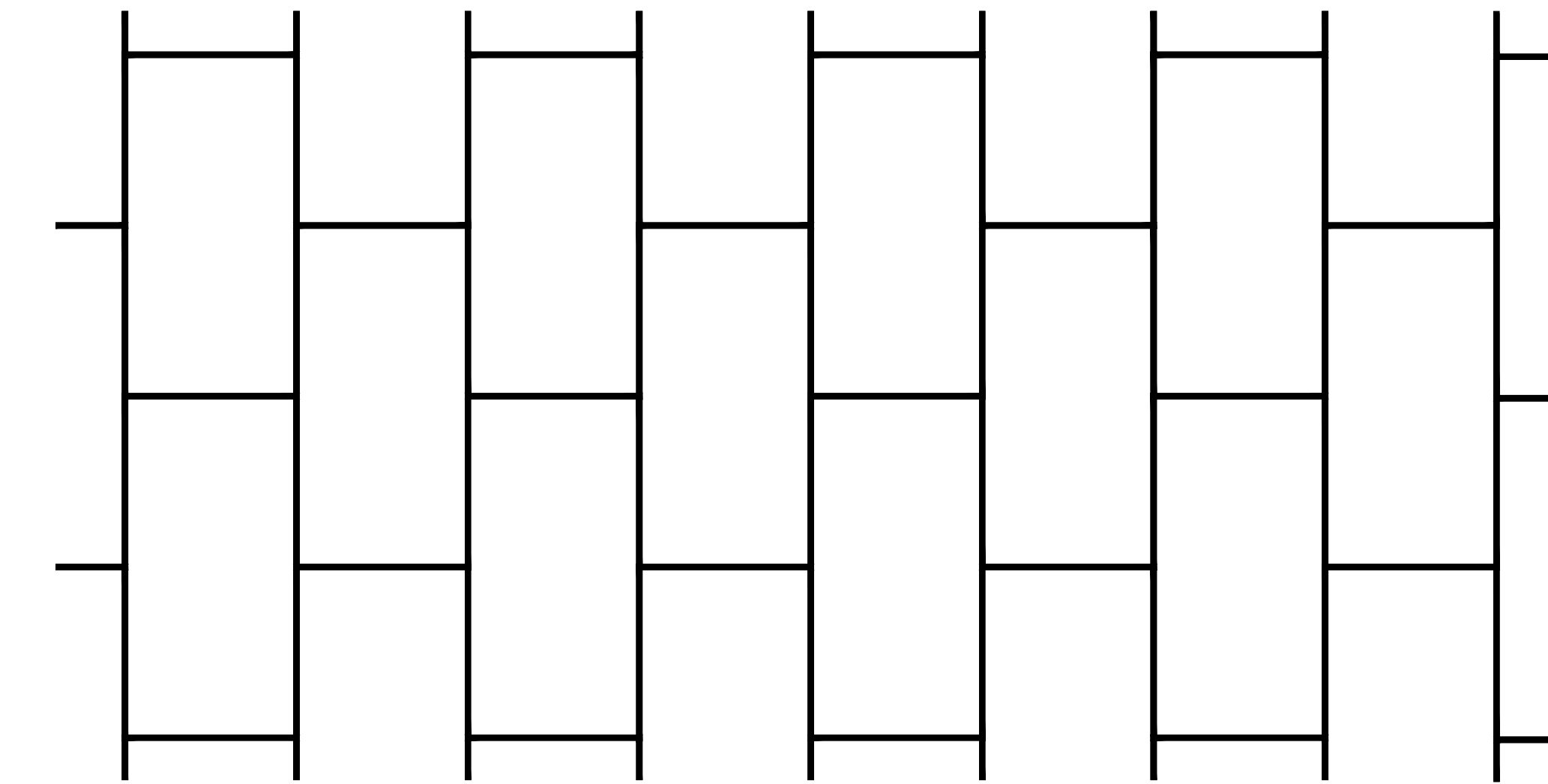
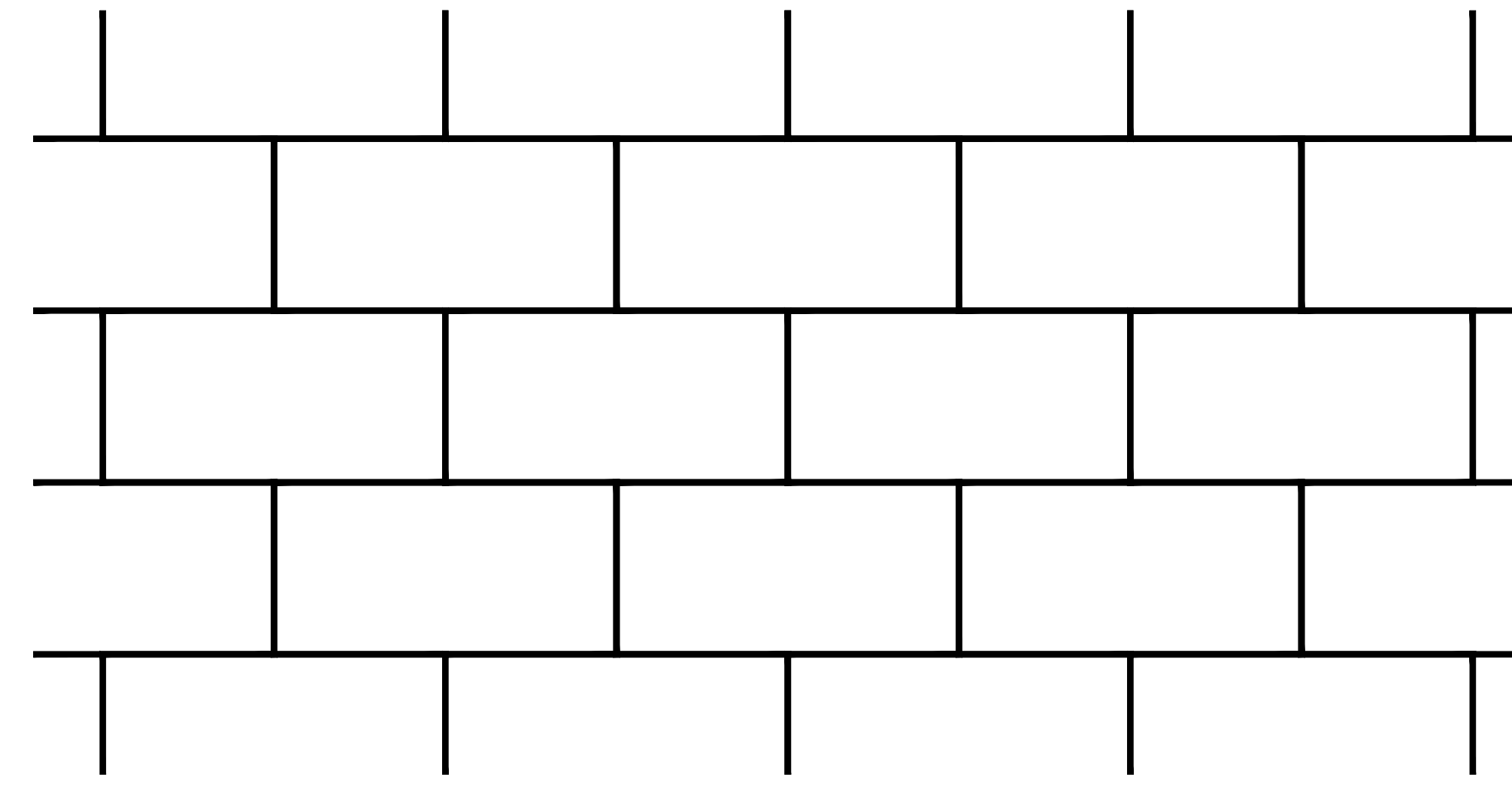
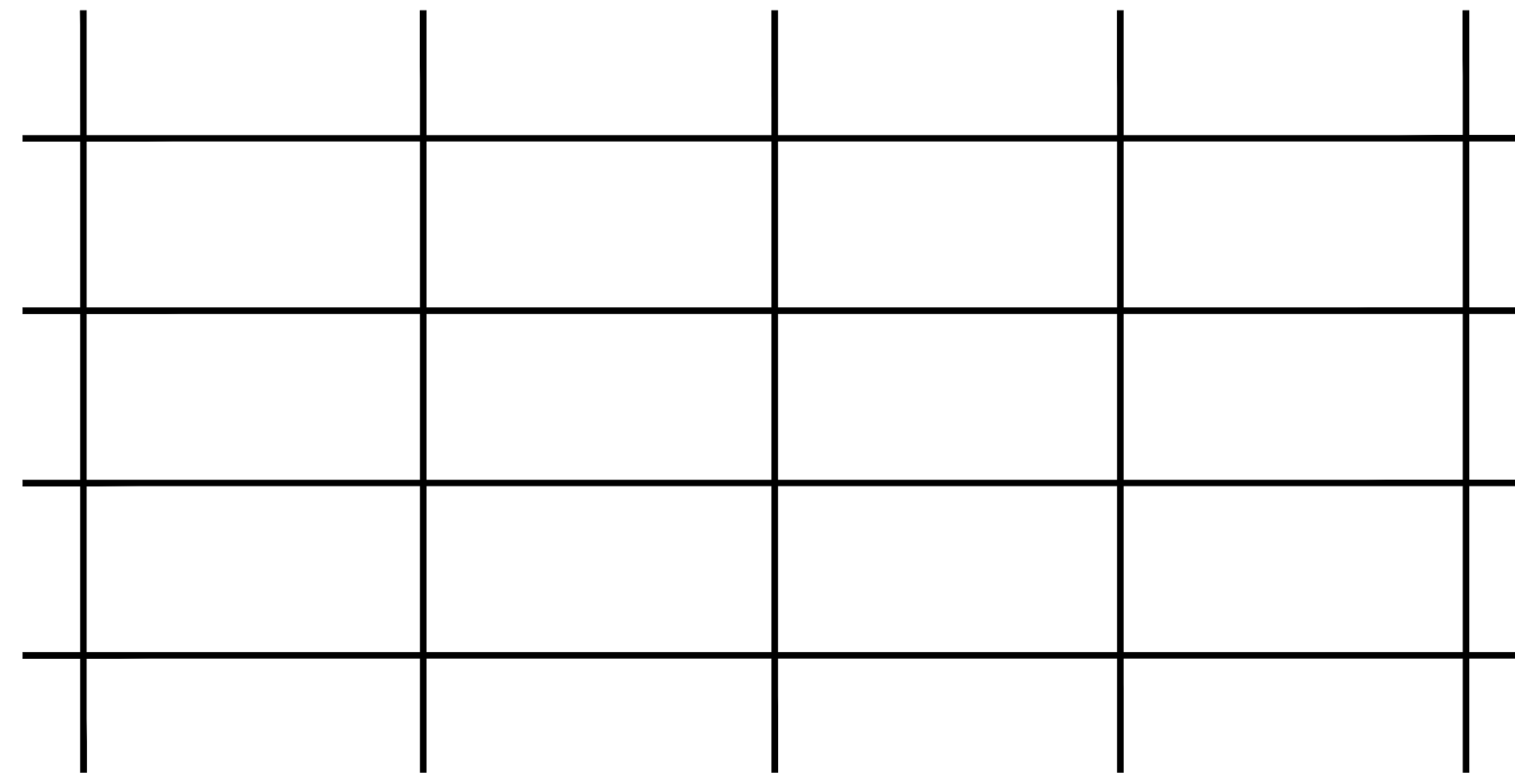
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HORIZONTAL JOINT = $\frac{3}{16}$ " (5MM)
VERTICAL JOINT = $\frac{3}{16}$ " (5MM)



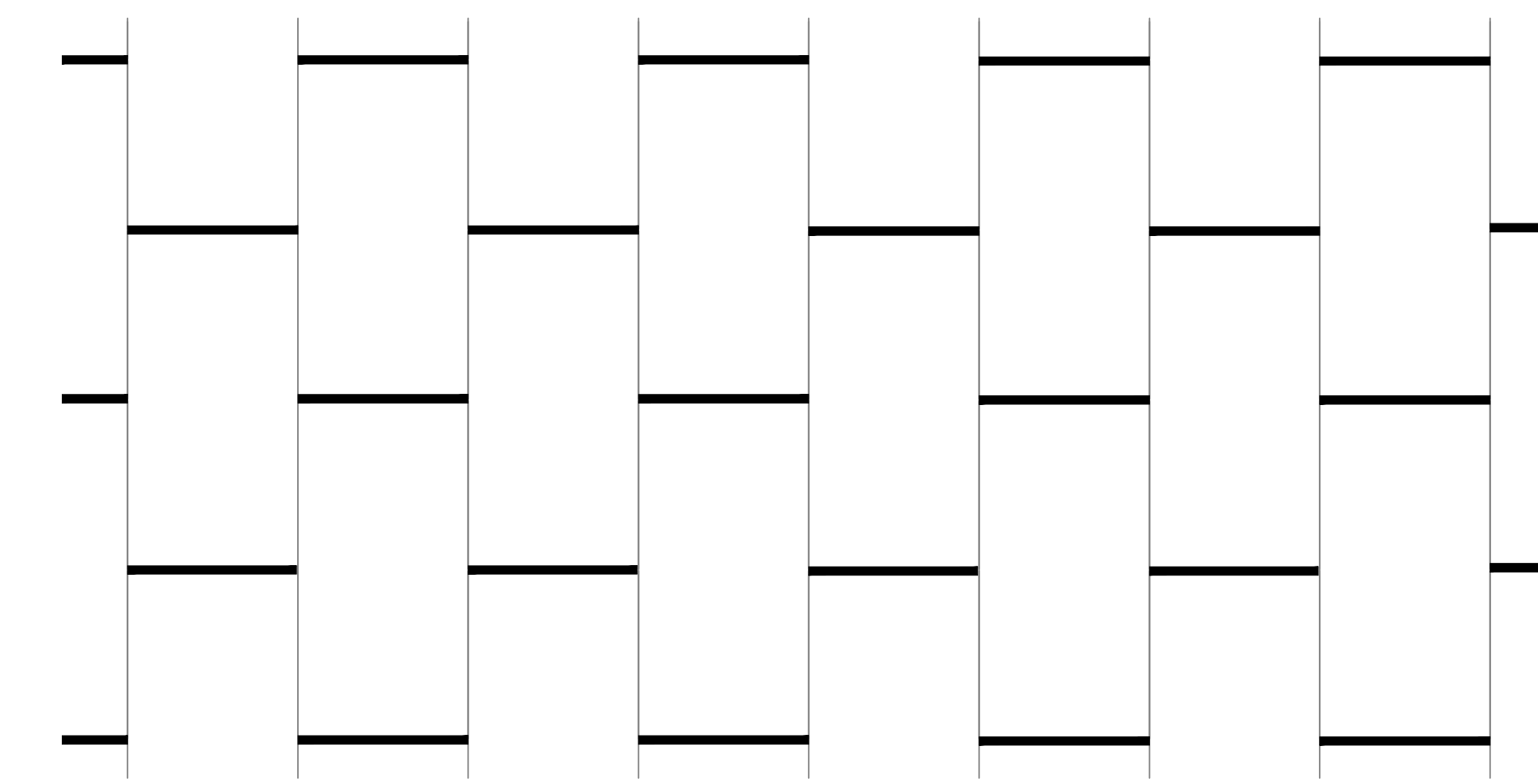
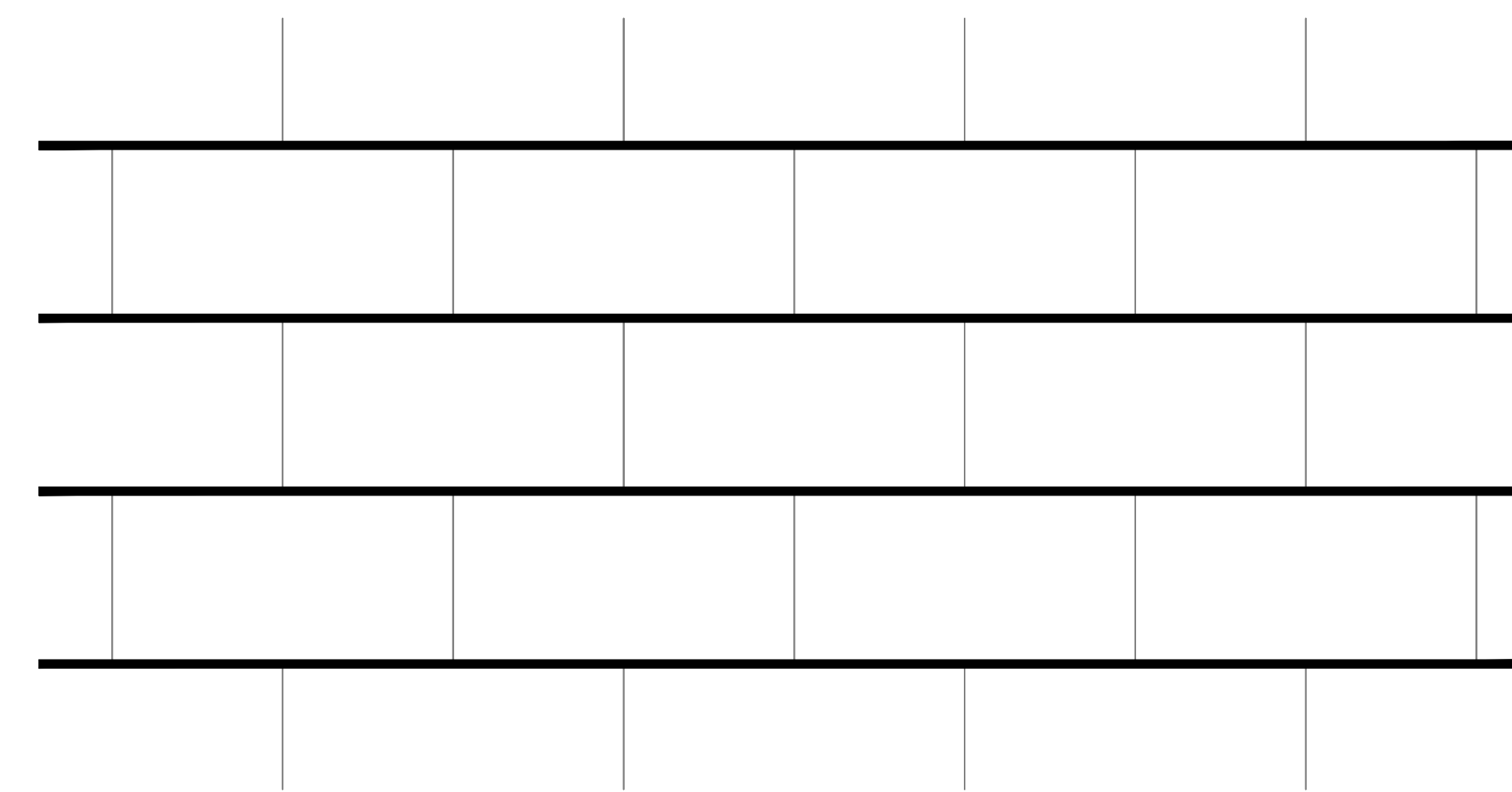
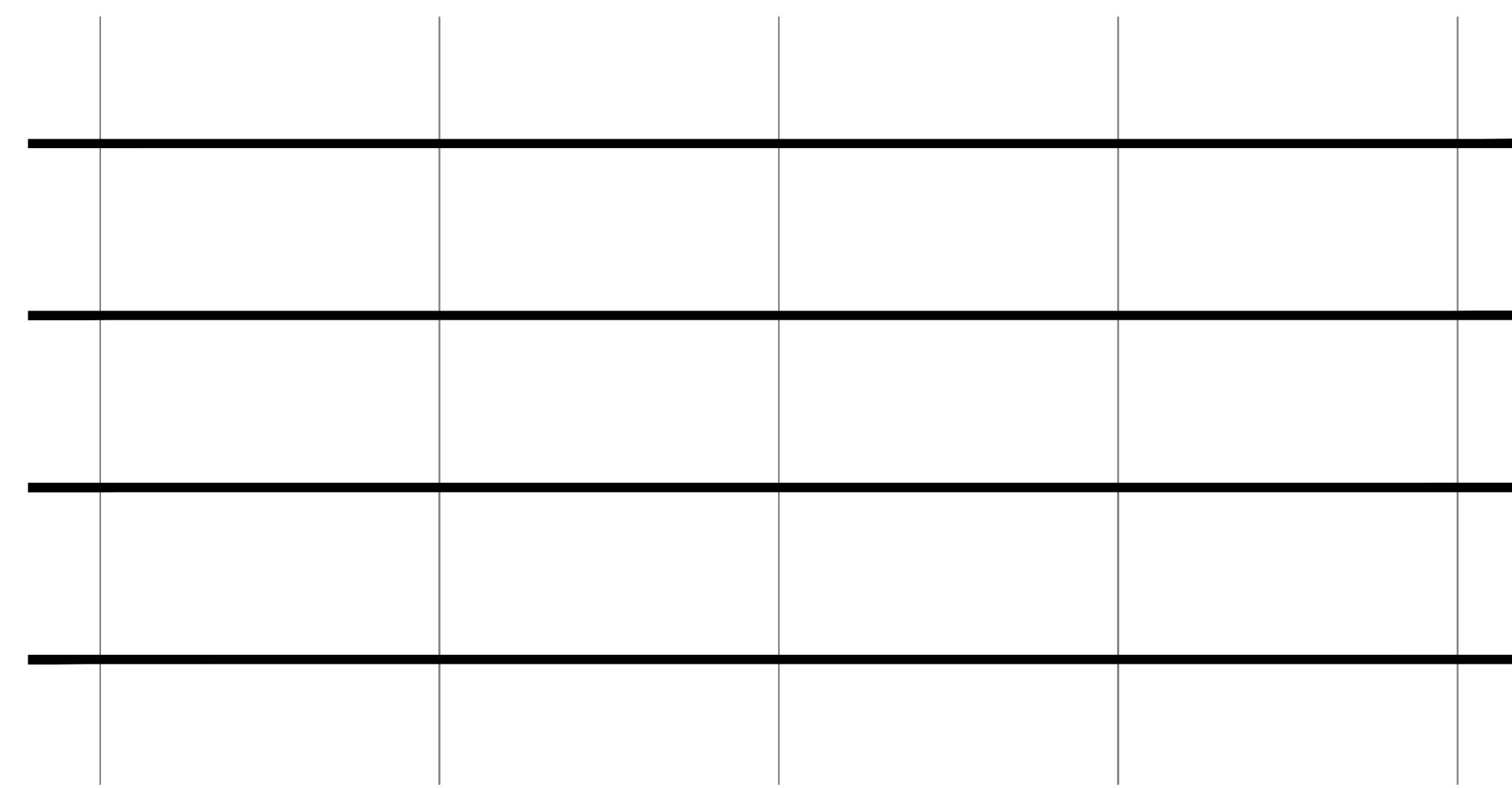
EQUAL-EQUAL

HORIZONTAL JOINT = $\frac{5}{16}$ " (8MM)
VERTICAL JOINT = $\frac{5}{16}$ " (8MM)



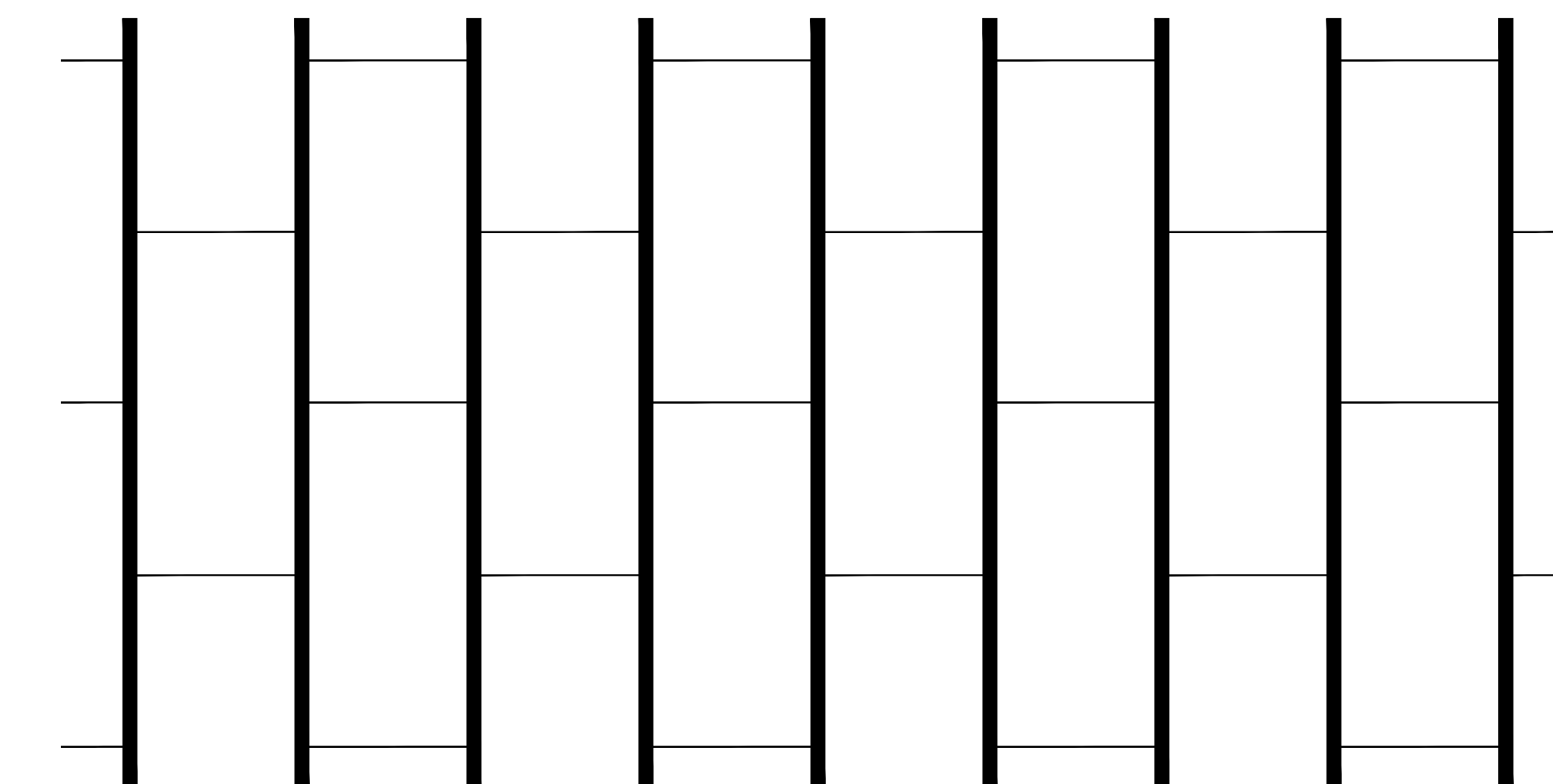
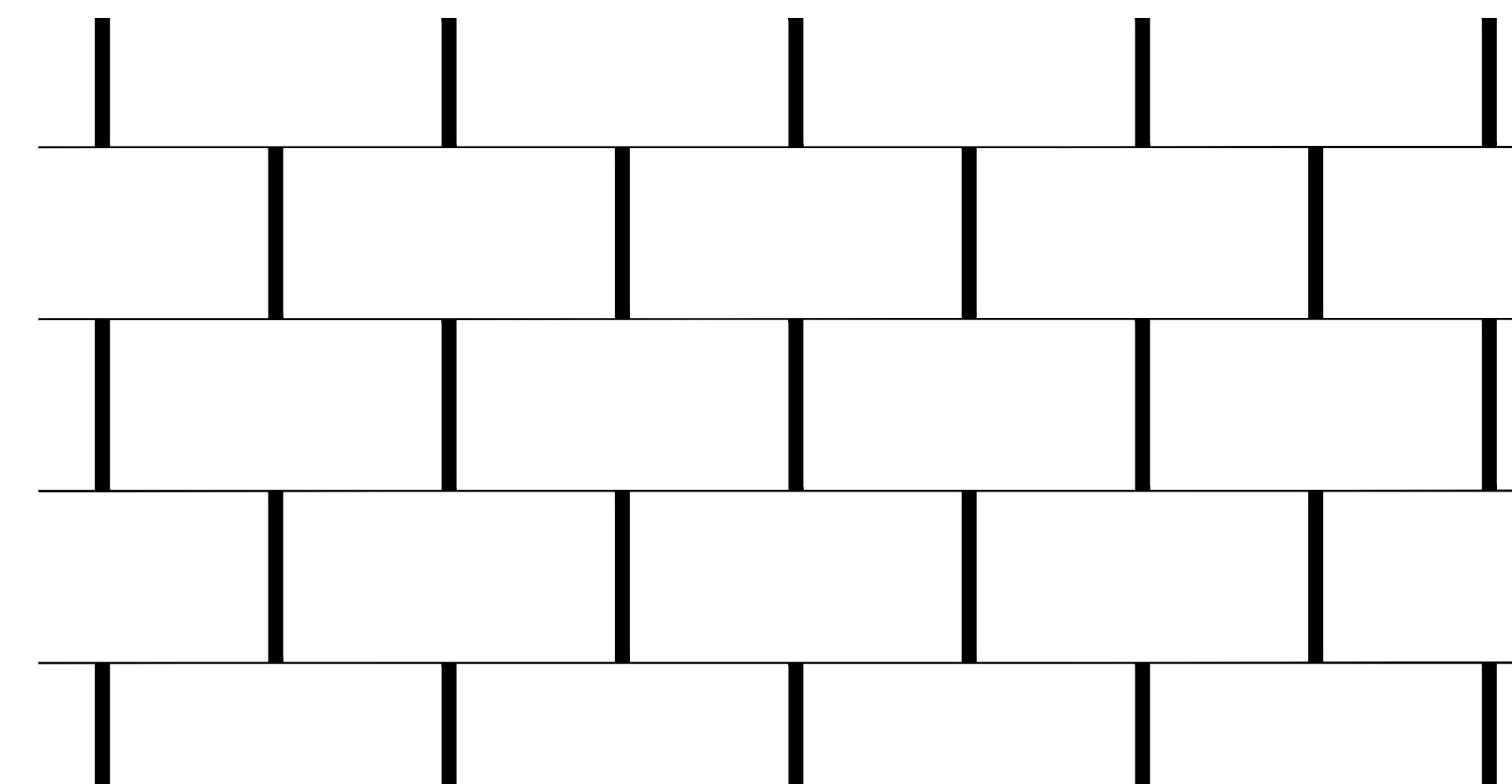
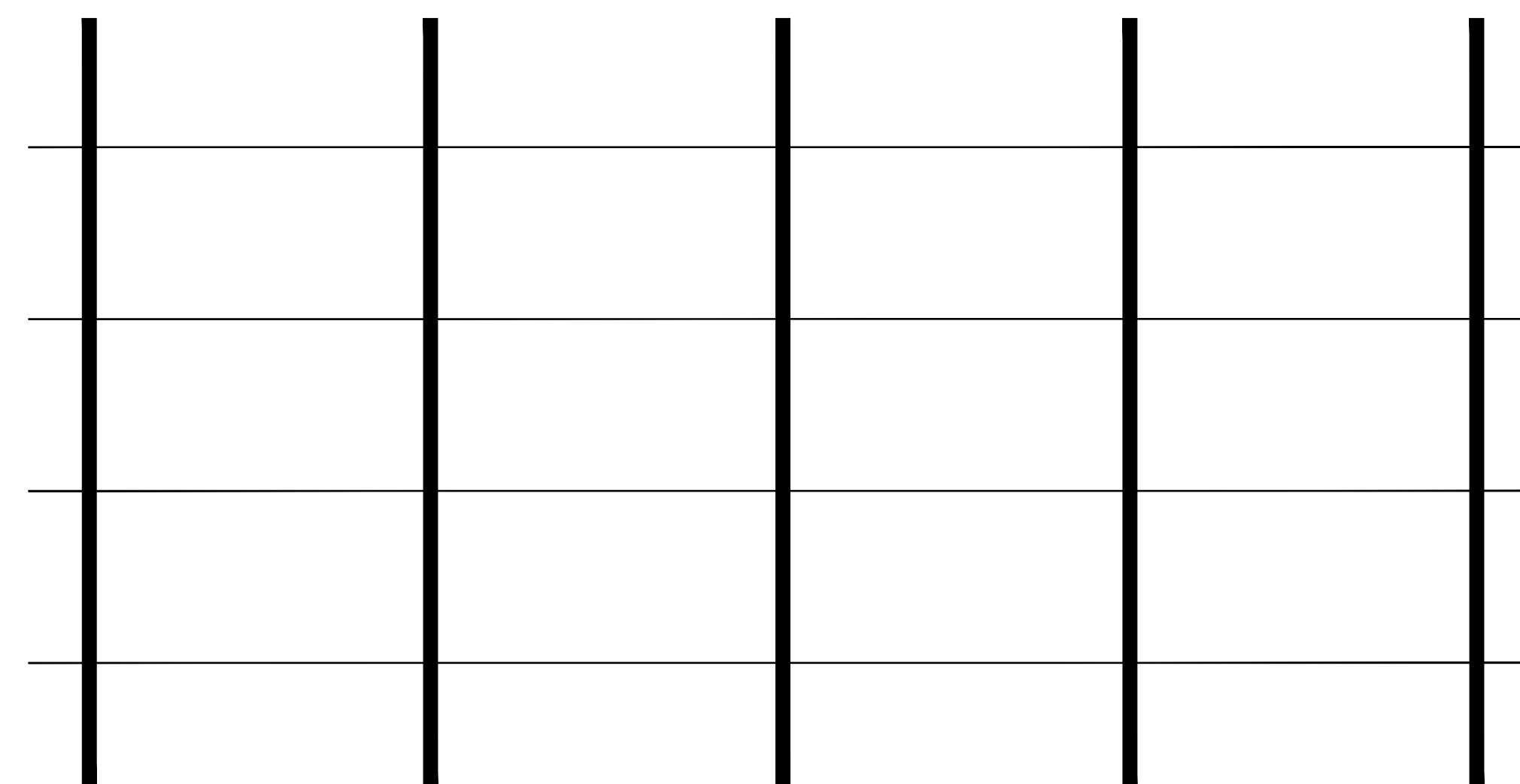
HORIZONTAL EMPHASIS

HORIZONTAL JOINT = $\frac{5}{16}$ " (8MM)
VERTICAL JOINT = $\frac{1}{16}$ " (2MM)



VERTICAL EMPHASIS

HORIZONTAL JOINT = $\frac{3}{16}$ " (5MM)
VERTICAL JOINT = $\frac{1}{2}$ " (20MM)



PROJECT NAME:
-

ARCHITECT:
-

PROJECT NO: 00.000 | STATUS: -

**PORCELANOSA
FACADE/**

IMPORTANT NOTES:

NOTE 1
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REVISIONS:

DATE	REV.	DESCRIPTION

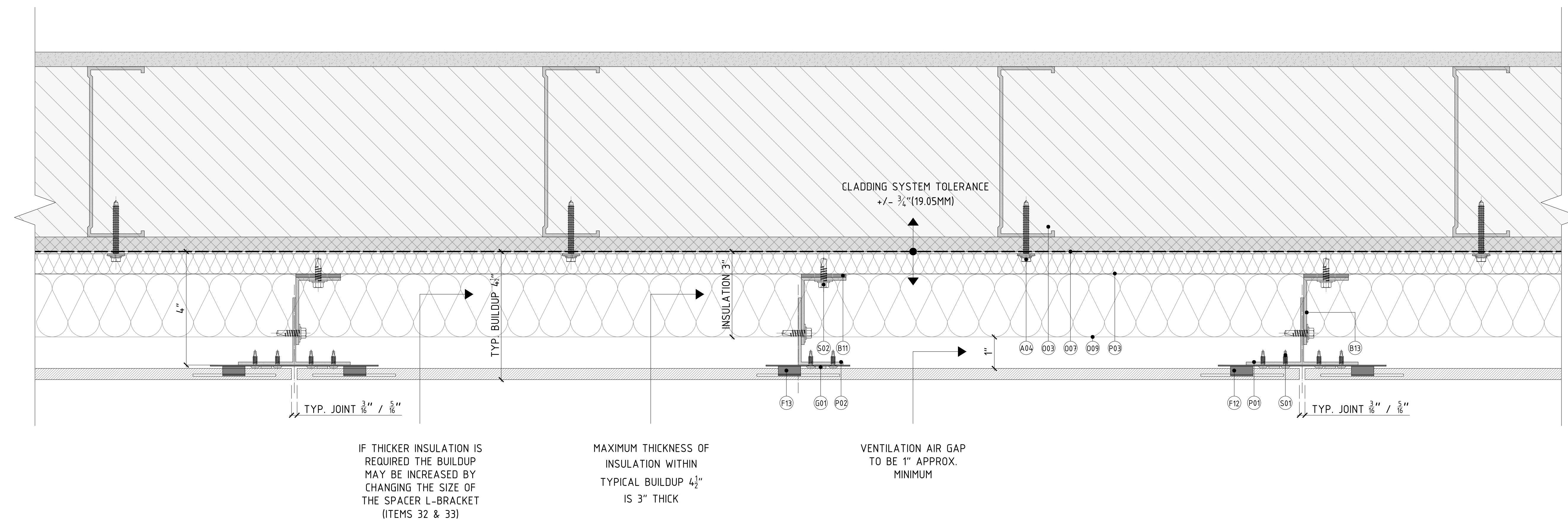
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TYPICAL PANEL LAYOUTS

SCALE:
NTS

DRAWN BY: - | CHECKED BY: IV

SHEET NO: 010 | REVISION:

IMPORTANT NOTES:
 PLEASE NOTE: THESE ARE CONCEPTUAL DETAILS. PROJECT SPECIFIC DETAILS MUST BE REVIEWED WITH PORCELANOSA. ALL DATA CONTAINED HEREIN IS THE PROPERTY OF PORCELANOSA AND SHALL NOT BE COPIED, REPRODUCED OR DISSEMINATED WITHOUT PRIOR WRITTEN APPROVAL FROM PORCELANOSA. COMMERCIAL ARCHITECTURAL FIRMS MAY INCORPORATE THESE CONCEPTUAL DETAILS INTO ARCHITECTURAL DRAWINGS.



DETAIL A - TYP. PLAN DETAIL

CODE	ITEM DESCRIPTION
A04	VFS ANCH METAL STUD SHEATH MULTI & MAX
B01	VFS THERMAL BRIDGE 1/8" DOUBLE BRACKETS
B03	VFS DOUBLE L-BRACKET 2-4/16" (60MM)
B11	VFS THERMAL BRIDGE 1/8" SINGLE BRACKETS
B13	VFS SINGLE L-BRACKET 2-4/16" (60MM)
F11	VFS FIXING DEPTH 13MM START/END BL
F12	VFS FIXING DEPTH 13MM JOINT 3/16" (E BL
F13	VFS FIXING DEPTH 13MM JOINT 3/16" (L BL
O03	STUD WALL 6"x6GA. 16" O/C STEEL STUDS + SINGLE GYPSUM SHEATHING
O07	DAMP-PROOF COURSE (DPC)
O08	WINDOW SYSTEM
O09	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
O10	ALUMINUM FLASHING
P01	VFS PROFILE T-SHIFT (SH)
P02	VFS PROFILE L-SHIFT (SH)
P03	VFS PROFILE DREGA-SHIFT (SH)
S01	VFS SCREW FIXING PLATE
S02	VFS SCREW PROFILES T/A (INCL WASHER)

REVISIONS:

DATE	REV.	DESCRIPTION

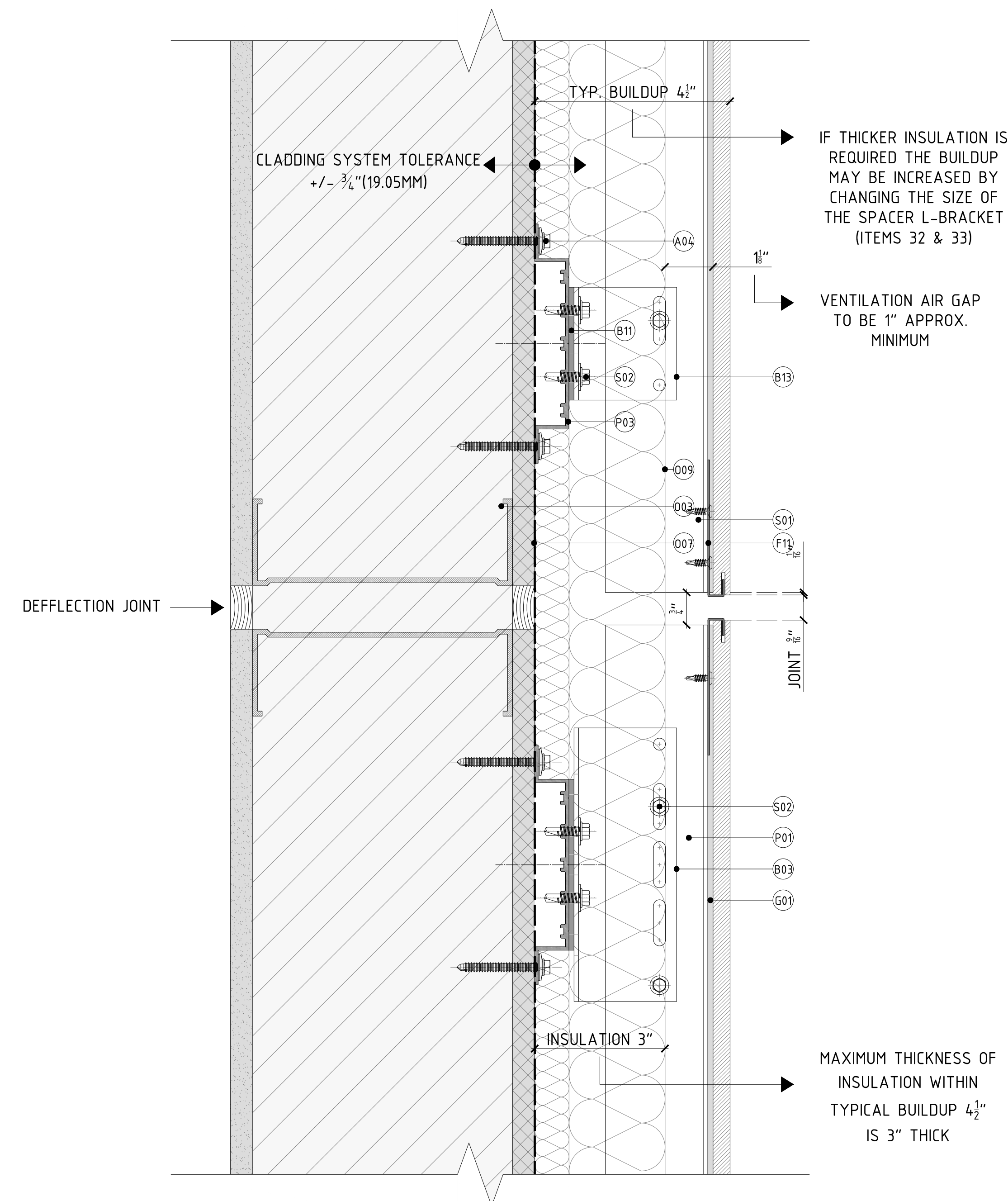
SHEET TITLE:
 TYPICAL HORIZONTAL SECTION

SCALE:
 HALF SIZE @ARCH D 3"-1'-0" @ARCH C

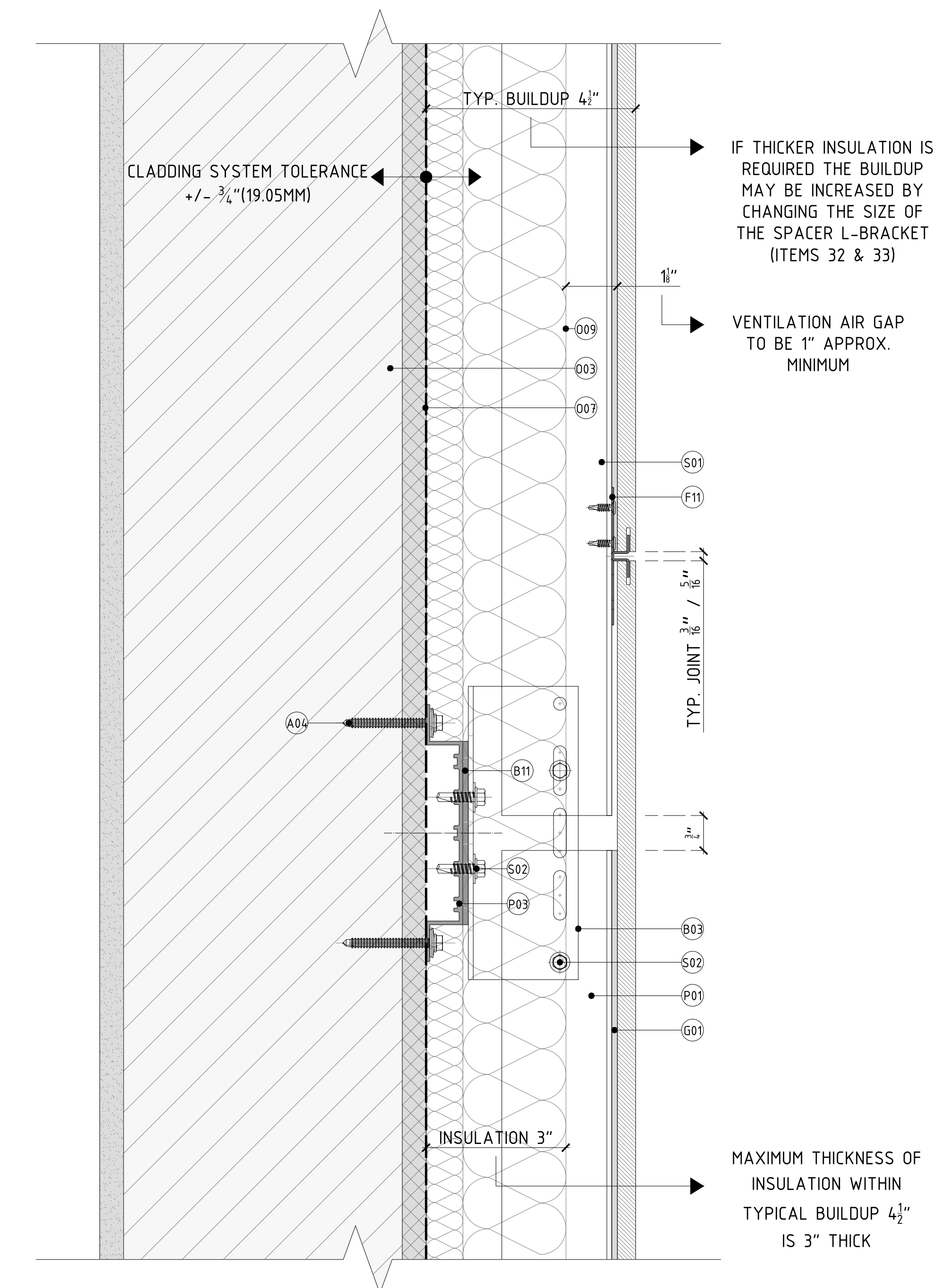
SHEET NO:
600

REVISION:

IMPORTANT NOTES:
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DETAIL A - TYP. WALL SECTION W/ DEFLECTION JOINT (INDEPENDENT SYSTEM)



DETAIL B - TYP. WALL SECTION W/OUT DEFLECTION JOINT (CONTINUOUS SYSTEM)

CODE	ITEM DESCRIPTION
A00	VFS ANCH METAL STUD SHEATH HLT & WAS
B01	VFS THERMAL BRIDGE 1/8\"/>
B03	VFS DOUBLE L-BRACKET 2-6/16\"/>
B11	VFS THERMAL BRIDGE 1/8\"/>
B13	VFS SINGLE L-BRACKET 2-6/16\"/>
F01	VFS FIXING DEPTH 13MM START/END BL
F02	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
F03	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
O03	STUD WALL 6\"/>
O07	DAMP-PROOF COURSE (DPC)
O08	WINDOW SYSTEM
O09	THERMAL INSULATION SPECIALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
O10	ALUMINUM FLASHING
P01	VFS PROFILE T 50FT (2M)
P02	VFS PROFILE L 50FT (2M)
P03	VFS PROFILE DREGA 50FT (2M)
S01	VFS SCREW FIXING PLATE
S02	VFS SCREW PROFILES T/A (INCL WASHER)

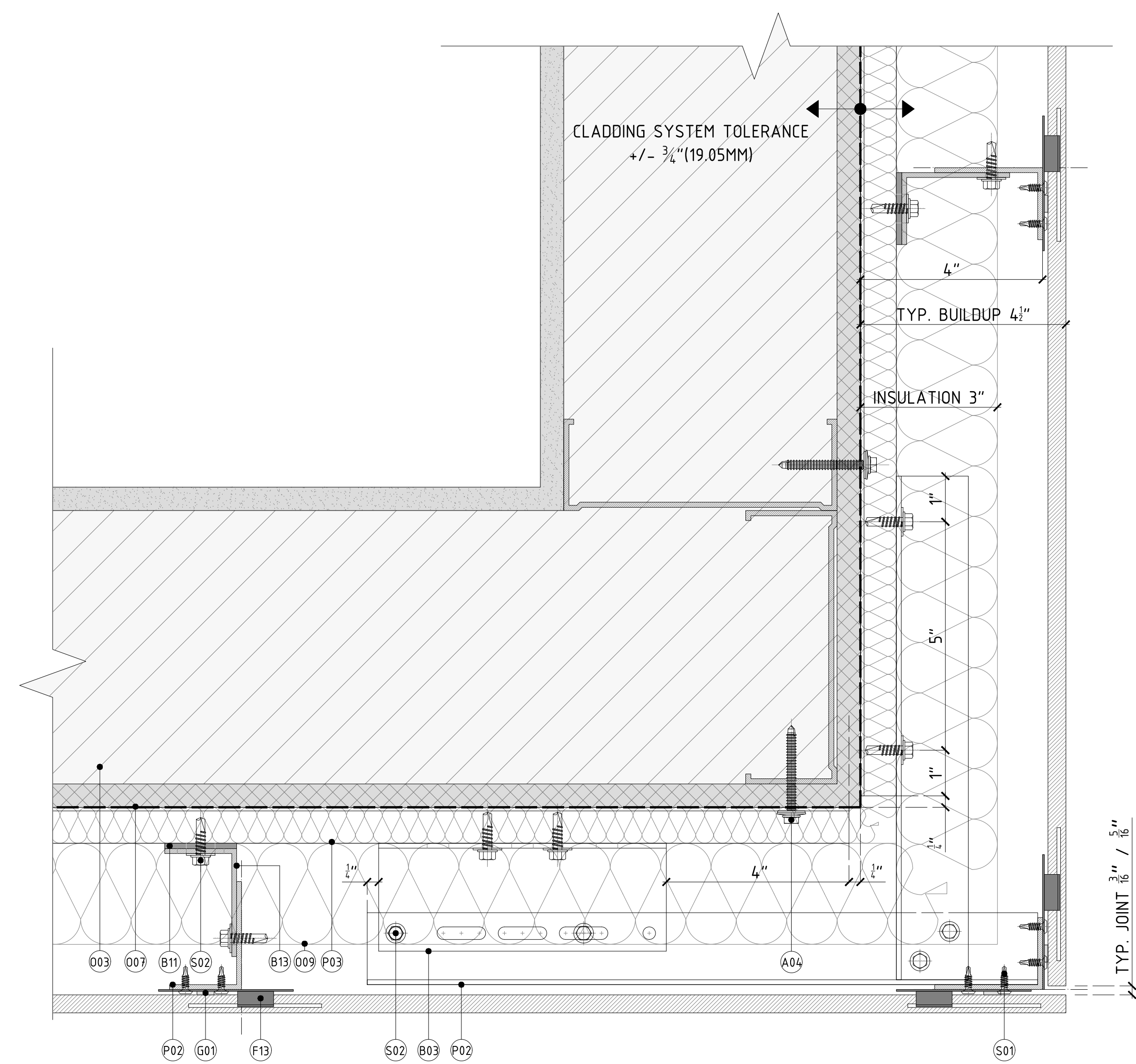
REVISIONS:		
DATE	REV.	DESCRIPTION

SHEET TITLE:
**TYPICAL VERTICAL
 SECTION**

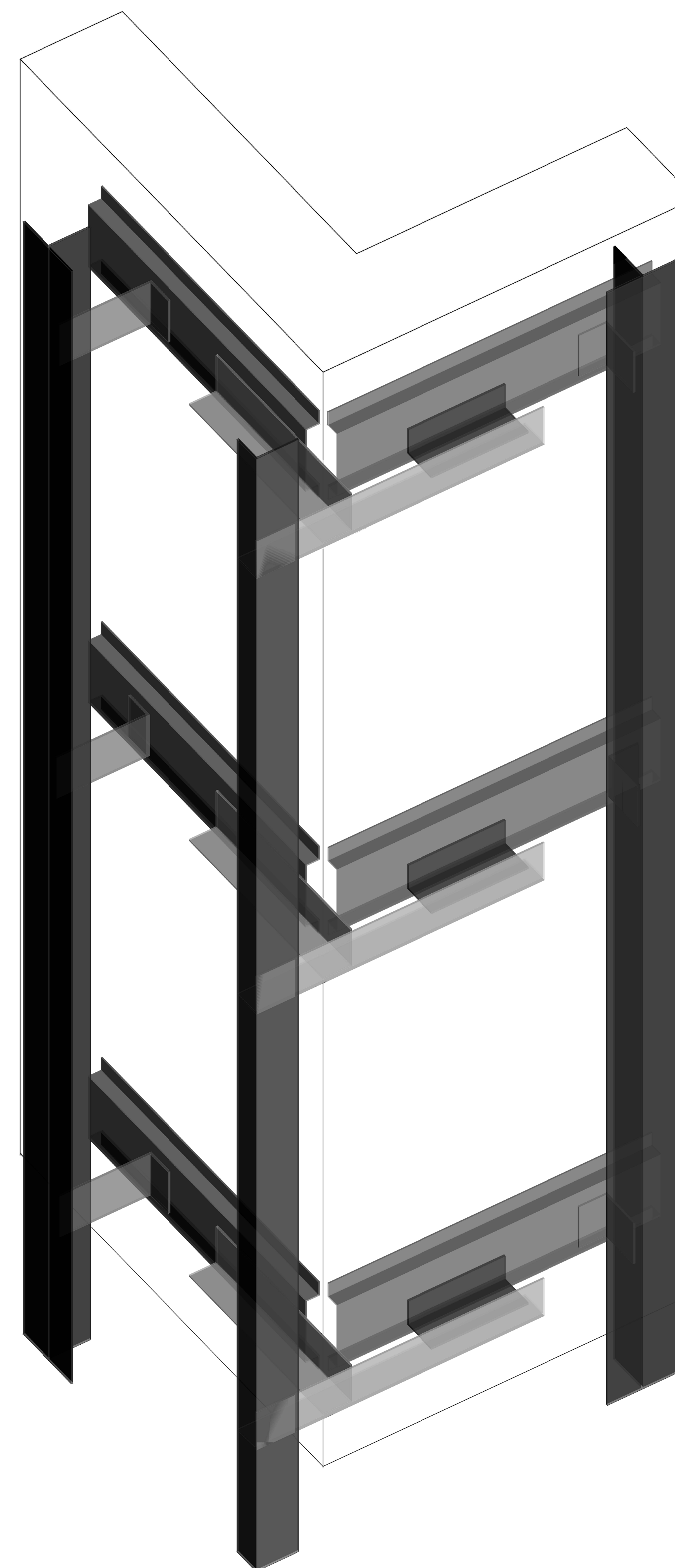
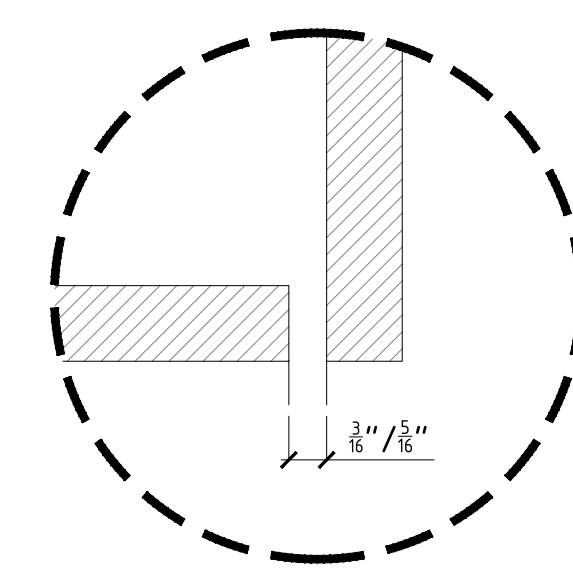
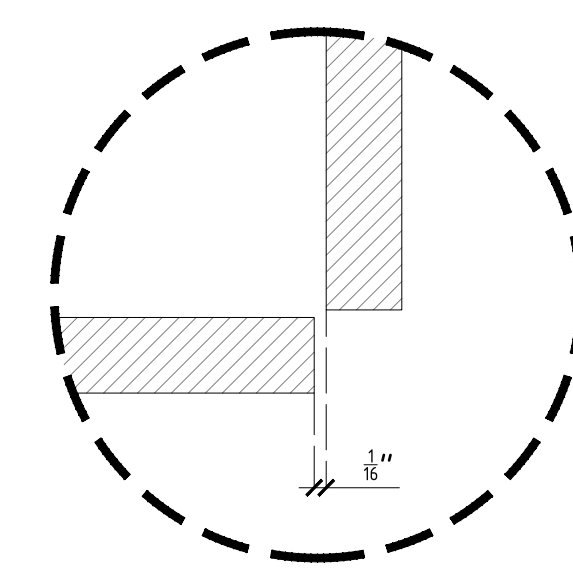
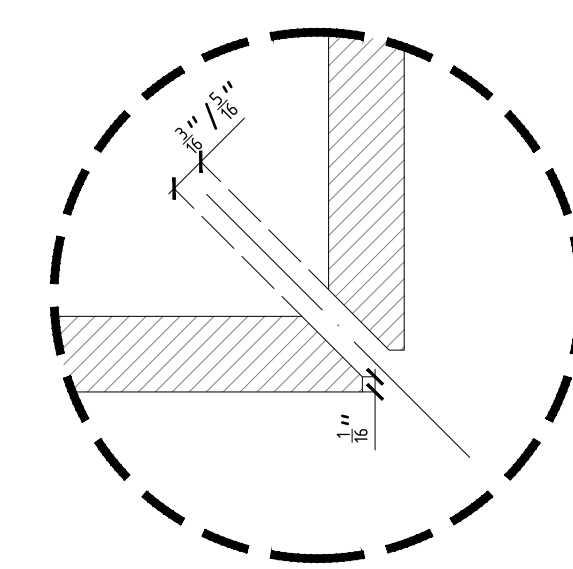
SCALE:
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- MATERIAL LEGEND**
- SUPPLIED BY OTHERS**
- STUD WALL: 6"-16GA, 18" O/C STEEL STUDS - SINGLE DENSGLASS SHEATHING
 - DAMP-PROOF COARSE (DPC) - WATERPROOFING
 - WINDOW SYSTEM
 - THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS, RECOMMENDED ROVAL CAVITPROCK ED (STONE WOOL)
 - ALUMINUM FLASHING
- SUPPLIED BY PORCELANOSA GROUP**
- ANCHORS & SCREWS**
- FOR METAL STUD WALL WITH SINGLE SHEATHING: HLT1 SELF-DRILLING SCREW S-PROS 80.22" X 2.530"
 - TO BE USED TO FIX OMEGA PROFILE TO METAL STUD WALL
 - LT SCREW: ETANCO SELF-DRILLING SCREW 7504K 5530K 80.22" X 0.81" - 80.81" WASHER, TO BE USED TO FIX VERTICAL PROFILES TO SUPPORT BRACKET
 - FIXING CLIP SCREW: ETANCO SELF-DRILLING SCREW 80.17" X 0.56", TO BE USED TO FIX FIXING PLATES TO VERTICAL PROFILES
- PROFILES**
- ALUMINUM ALLOY (6063-T6) OMEGA PROFILE 20X16MM (3/4" X 5/8") 3M (118") LONG
 - POWDER COATED (BLACK) ALUMINUM ALLOY (6063-T6) T-PROFILE 100X60 X 2.3MM (3 1/2" X 2 1/4" X 3/16") 3M (118") LONG
 - POWDER COATED (BLACK) ALUMINUM ALLOY (6063-T6) L-PROFILE 45X60X2.3MM (1 3/4" X 2 1/4" X 3/16") 3M (118") LONG
- BRACKETS**
- SINGLE/DOUBLE PLASTIC PAD FOR THERMAL BREAK
 - SINGLE SUPPORT BRACKET, CHECK SPECIFIC WALL BUILDUP TO USE ADEQUATE SIZE OF BRACKET
 - DOUBLE SUPPORT BRACKET, CHECK SPECIFIC WALL BUILDUP TO USE ADEQUATE SIZE OF BRACKET
- FIXING CLIPS & ADHESIVE**
- CONCEALED/EXPOSED CENTRAL STAINLESS STEEL FIXING PLATE TYP. 50MM (1 3/4") X 80MM (3 1/8") JOINT
 - CONCEALED/EXPOSED LATERAL STAINLESS STEEL FIXING PLATE TYP. 50MM (1 3/4") X 80MM (3 1/8") JOINT
 - CONCEALED/EXPOSED START/END STAINLESS STEEL FIXING PLATE
 - BLACK POLYURETHANE STRUCTURAL SILICON-P-404 CERAMIC
 - PORCELAIN PANEL, PLEASE REFER TO PORCELANOSA CATALOGUE FOR SPECIFIC SIZES & COLORS



DETAIL A - TYP. OUTSIDE CORNER DETAIL



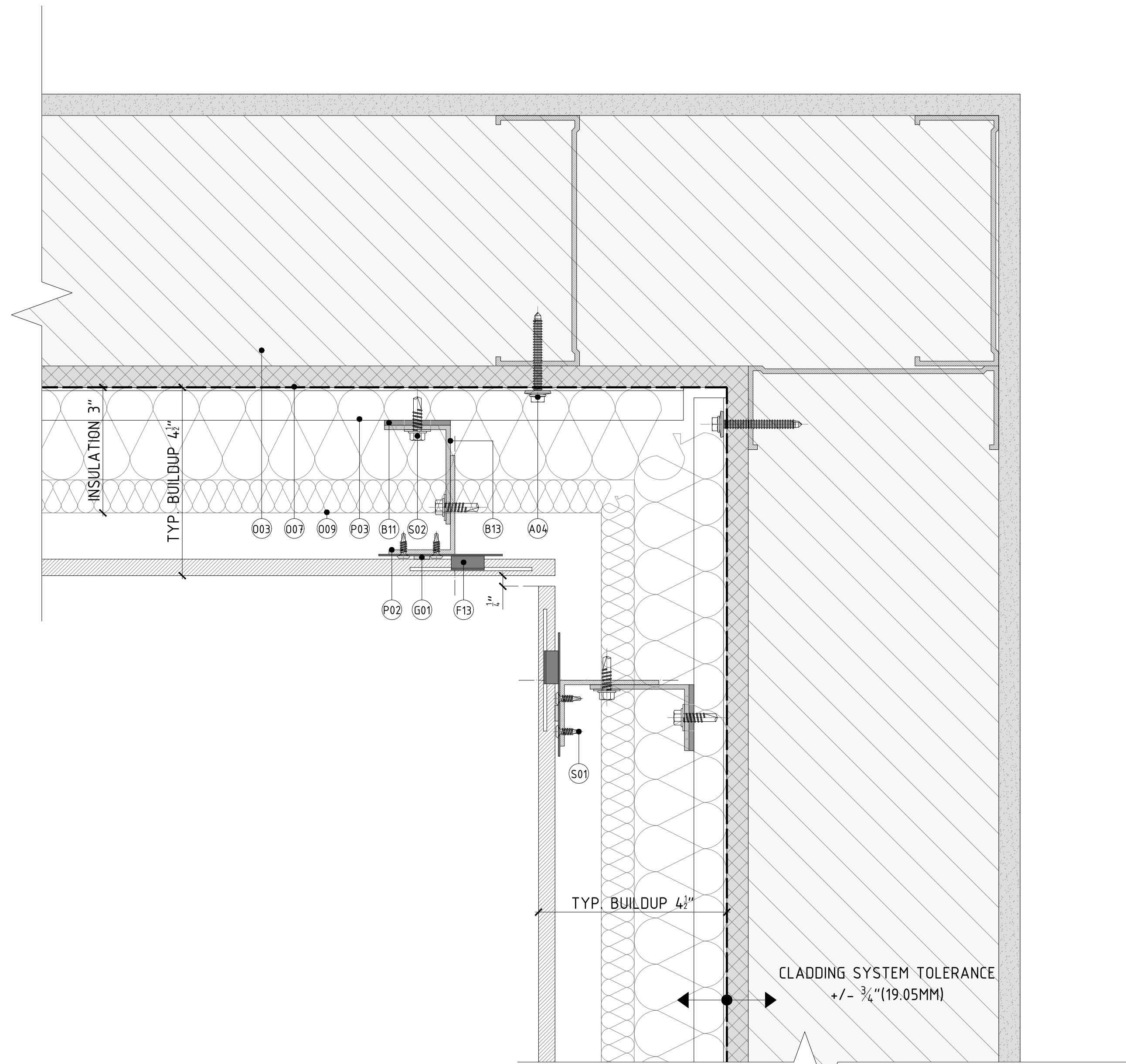
REVISIONS:

DATE	REV.	DESCRIPTION

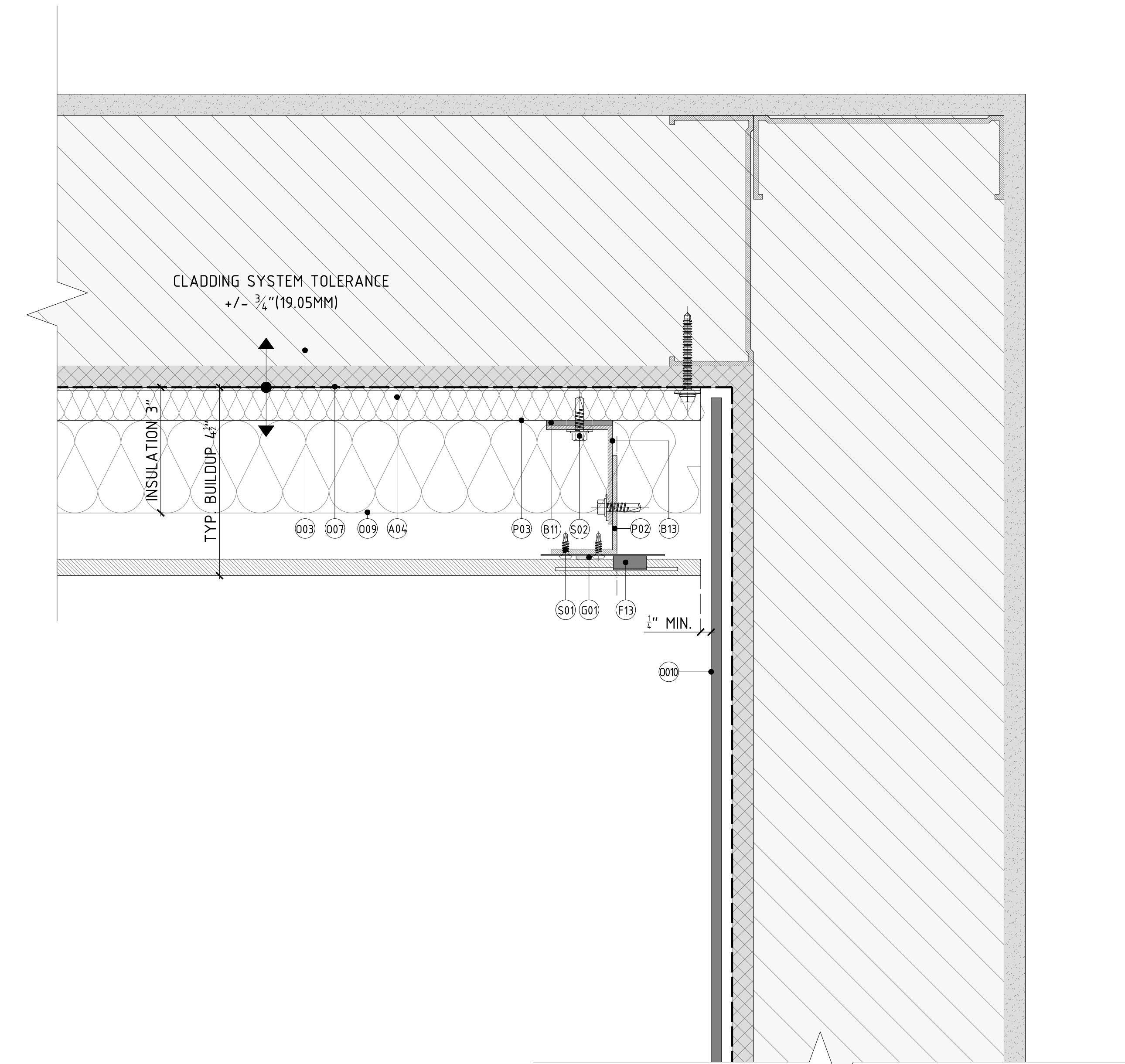
SHEET TITLE:
 OUTSIDE CORNER

SCALE:
 HALF SIZE @ARCH D 3"=1'-0" @ARCH C

IMPORTANT NOTES:
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DETAIL A - TYP. INSIDE CORNER DETAIL



DETAIL B - TYP. TERMINATION DETAIL AGAINST OTHER MATERIAL

CODE	ITEM DESCRIPTION
A04	VFS ANCH METAL STUD SHEATH HLT 1/8 WAS
B01	VFS THERMAL BRIDGE 1/8\"/>
B03	VFS THERMAL BRIDGE 1/8\"/>
B11	VFS THERMAL BRIDGE 1/8\"/>
B13	VFS SINGLE L-BRACKET 2-4/16\"/>
F11	VFS FIXING DEPTH 13MM START/END BL
F12	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
F13	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
G03	STUD WALL 6\"/>
G07	DAMP-PROOF COURSE (DPC)
G08	WINDOW SYSTEM
G09	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
O10	ALUMINUM FLASHING
P01	VFS PROFILE T SHFT (2H)
P02	VFS PROFILE L SHFT (2H)
P03	VFS PROFILE DREGA SHFT (2H)
S01	VFS SCREW FIXING PLATE
S02	VFS SCREW PROFILES T/A INCL WASHER

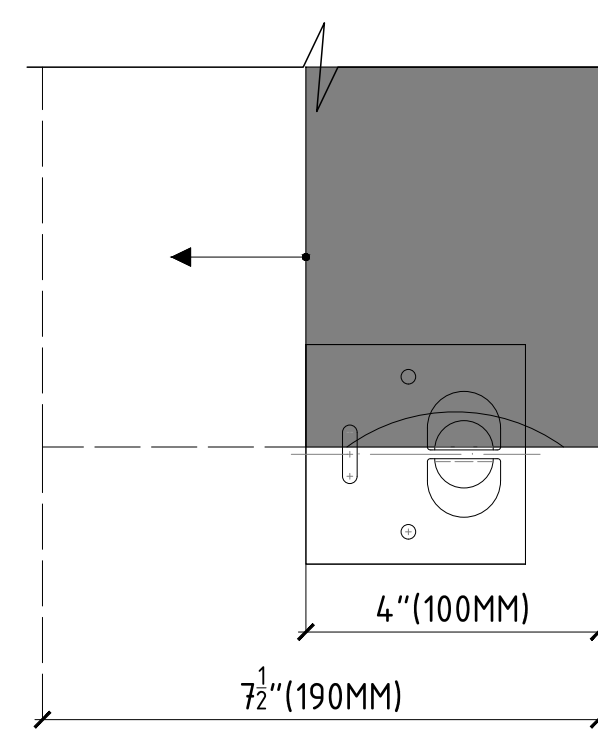
REVISIONS:

DATE	REV	DESCRIPTION

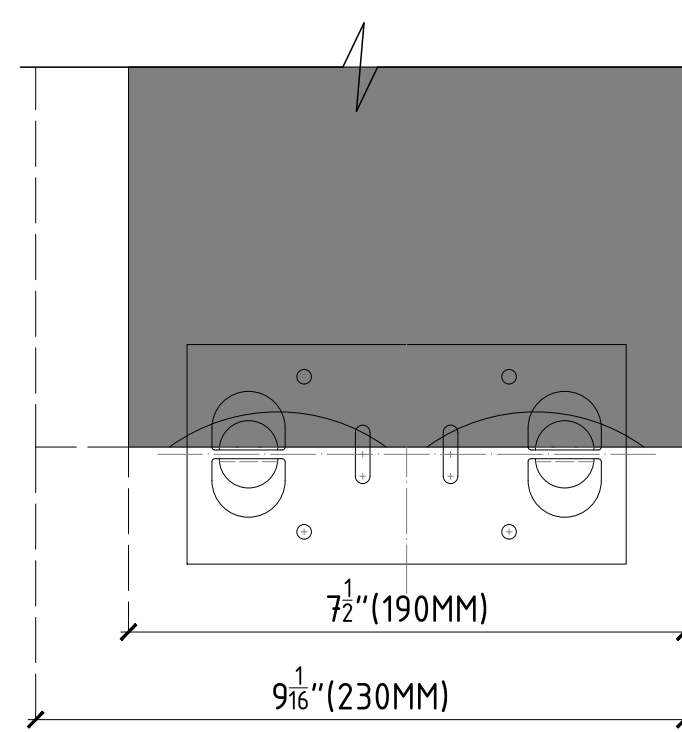
SHEET TITLE:
INSIDE CORNER

SCALE:
 HALF SIZE @ARCH D 3\"/>

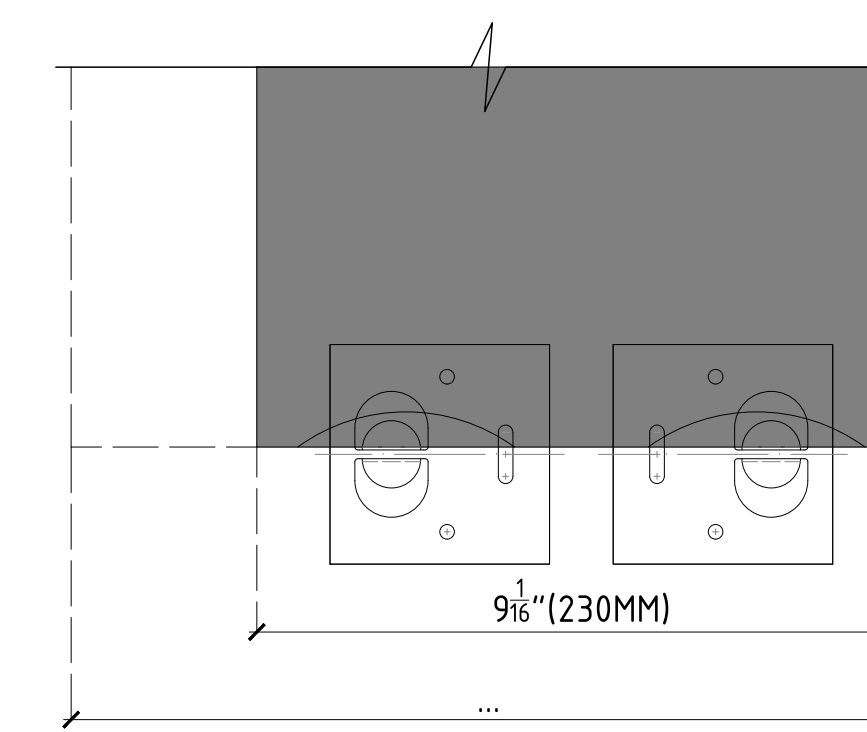
IMPORTANT NOTES:
 PLEASE NOTE: THESE ARE CONCEPTUAL DETAILS. PROJECT SPECIFIC DETAILS MUST BE REVIEWED WITH PORCELANOSA. ALL DATA CONTAINED HERE IN IS THE PROPERTY OF PORCELANOSA AND SHALL NOT BE COPIED, REPRODUCED OR DEREGISTERED WITHOUT PRIOR WRITTEN APPROVAL FROM PORCELANOSA. COMMERCIAL ARCHITECTURAL FIRMS MAY INCORPORATE THESE CONCEPTUAL DETAILS INTO ARCHITECTURAL DRAWINGS.



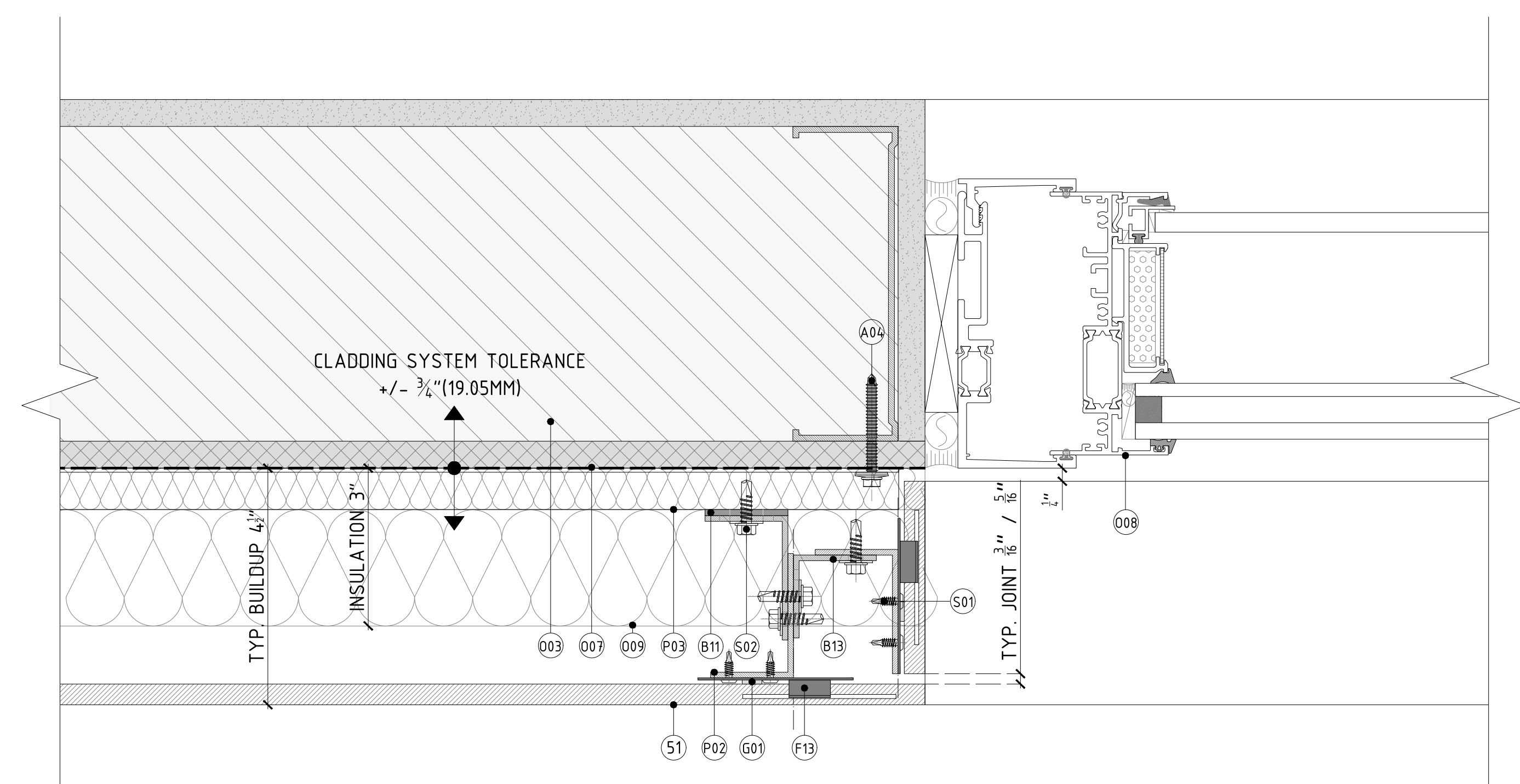
+MINIMUM RETURN WITH TILE= 4" (100MM)
 +FROM 4" (100MM) TO 7 1/2" (190MM)=
 - ONE KERF SAW CUT
 - FIXED WITH LATERAL FIXING PLATE



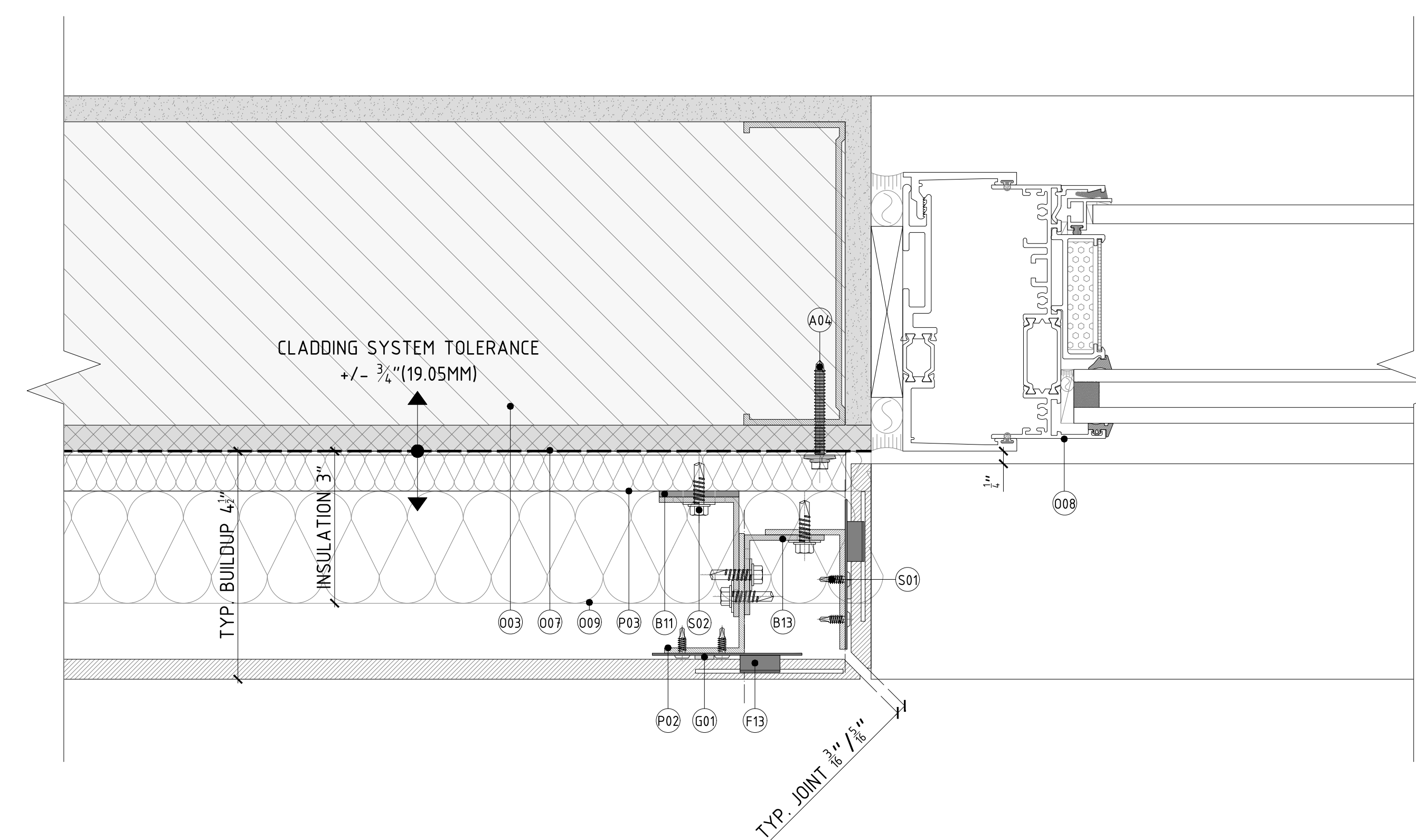
+FROM 7 1/2" (190MM) TO 9 1/8" (230MM)=
 - TWO KERF SAW CUT
 - FIXED WITH CENTRAL FIXING PLATE



+FOR RETURN BIGGER THAN 9 1/8" (230MM)=
 - TWO KERF SAW CUT
 - FIXED WITH LATERAL FIXING PLATES



DETAIL A - TYP. JAMB DETAIL W/PANEL RETURN



DETAIL A - TYP. JAMB DETAIL W/PANEL RETURN MITERED

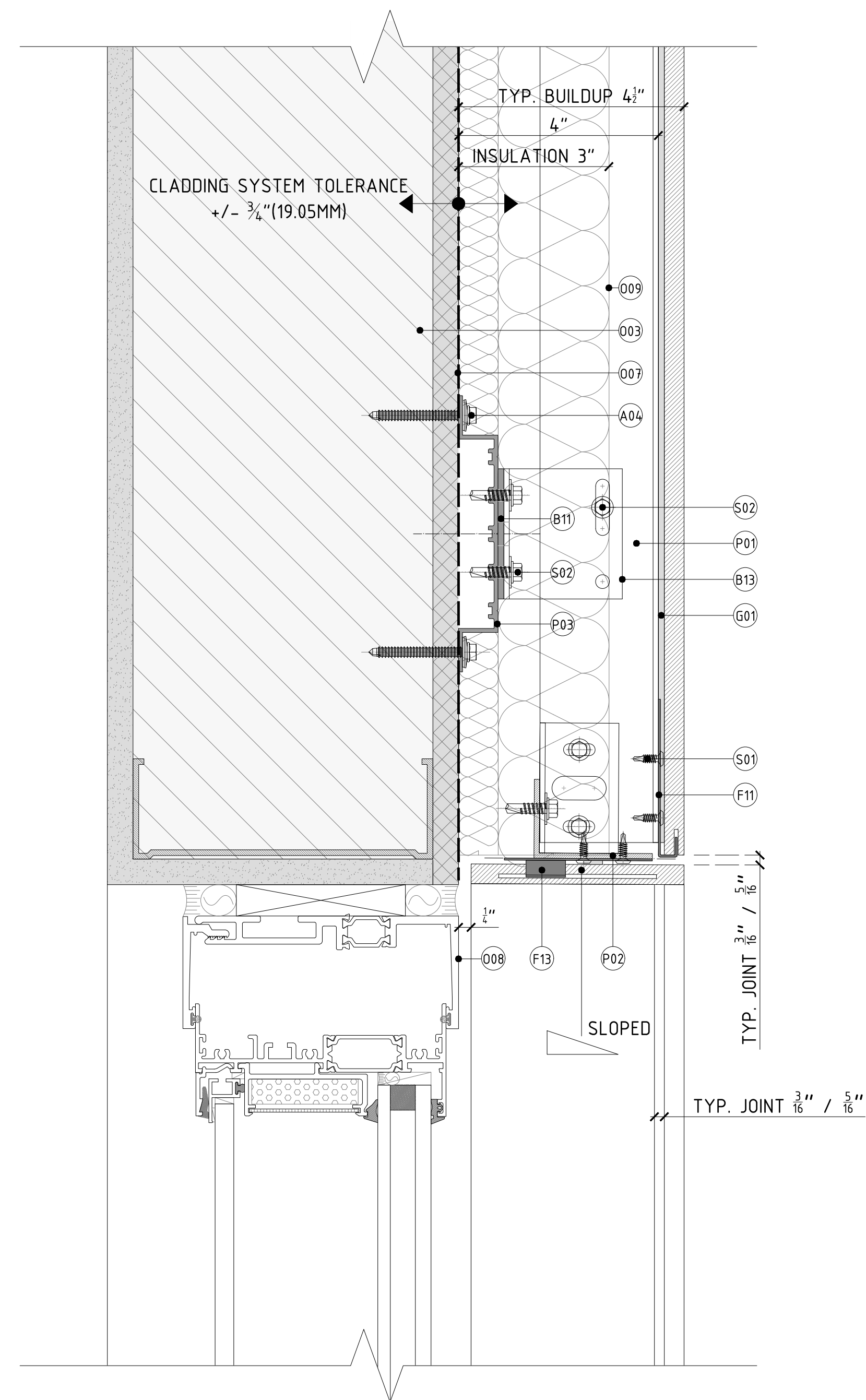
CODE	ITEM DESCRIPTION
A04	VFS ANCH METAL STUD SHEATH MULTI & MASS
B01	VFS THERMAL BRIDGE 1/8" DOUBLE BRACKETS
B03	VFS THERMAL BRIDGE 2-4/16" 160MM
B11	VFS THERMAL BRIDGE 1/8" SINGLE BRACKETS
B13	VFS SINGLE L-BRACKET 2-4/16" 60MM
F11	VFS FIXING DEPTH 13MM START/END BL
F12	VFS FIXING DEPTH 13MM JOINT 3/16" 4.8 BL
F13	VFS FIXING DEPTH 13MM JOINT 3/16" L.A. BL
G03	STUD WALL 4"x16GA. 16" O/C STEEL STUDS + SINGLE GYPSUM SHEATHING
D07	DAMP-PROOF COURSE (DPC)
D08	WINDOW SYSTEM
D09	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
O10	ALUMINUM FLASHING
P01	VFS PROFILE T-SHIFT (SH)
P02	VFS PROFILE L-SHIFT (SH)
P03	VFS PROFILE DRUCK-SHIFT (SH)
S01	VFS SCREW FIXING PLATE
S02	VFS SCREW PROFILES T/A (INKL WASHER)

REVISIONS:		
DATE	REV.	DESCRIPTION

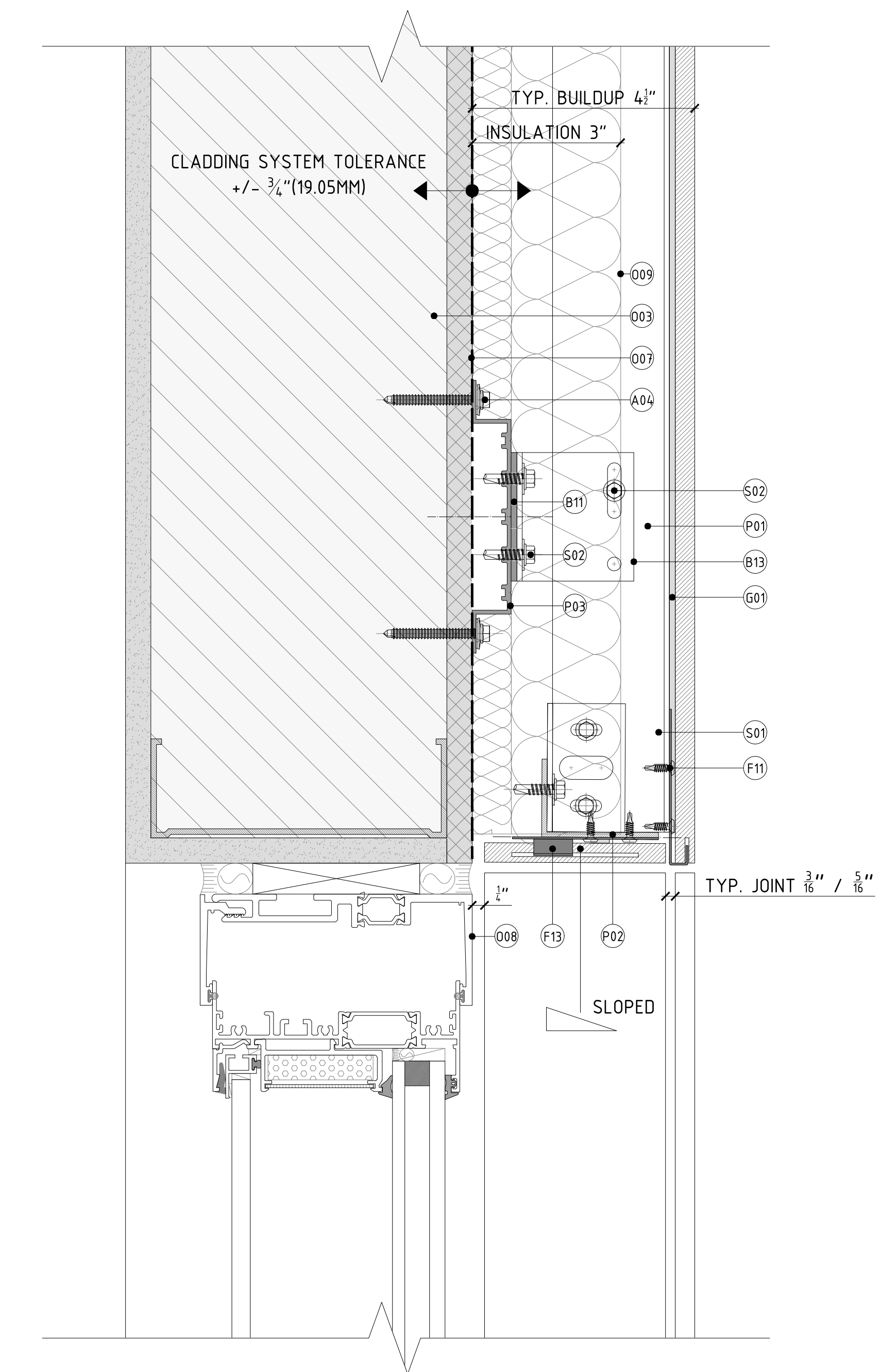
SHEET TITLE:
 WINDOW JAMB RETURN
 WITH PORCELAIN PANEL

SCALE:
 HALF SIZE @ARCH D 3"-1'-0" @ARCH C

IMPORTANT NOTES:
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DETAIL A - TYP. HEAD DETAIL W/PANEL RETURN



DETAIL B - TYP. HEAD DETAIL W/PANEL RETURN

CODE	ITEM DESCRIPTION
A04	VFS ANCH METAL STUD SHEATH MLT1 & WAS
B01	VFS THERMAL BRIDGE 1/8" DOUBLE BRACKETS
B03	VFS DOUBLE L-BRACKET 2-6/16" (66MM)
B11	VFS THERMAL BRIDGE 1/8" SINGLE BRACKETS
B13	VFS SINGLE L-BRACKET 2-6/16" (66MM)
F01	VFS FIXING DEPTH 13MM START/END BL
F02	VFS FIXING DEPTH 13MM JOINT 3/8" (9.5 BL
F03	VFS FIXING DEPTH 13MM JOINT 3/8" LA BL
S01	STUD WALL 6"-WGA, W/ 6" C STEEL STUDS + SINGLE GYPSUM SHEATHING
S07	DAMP-PROOF COURSE (DPC)
S08	WINDOW SYSTEM
S09	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
S10	ALUMINUM FLASHING
S11	VFS PROFILE T-SHIFT (SH)
S12	VFS PROFILE L-SHIFT (SH)
S13	VFS PROFILE DRGKA-SHIFT (SH)
S21	VFS SCREW FIXING PLATE
S22	VFS SCREW PROFILES T4 (INKL WASHER)

REVISIONS:

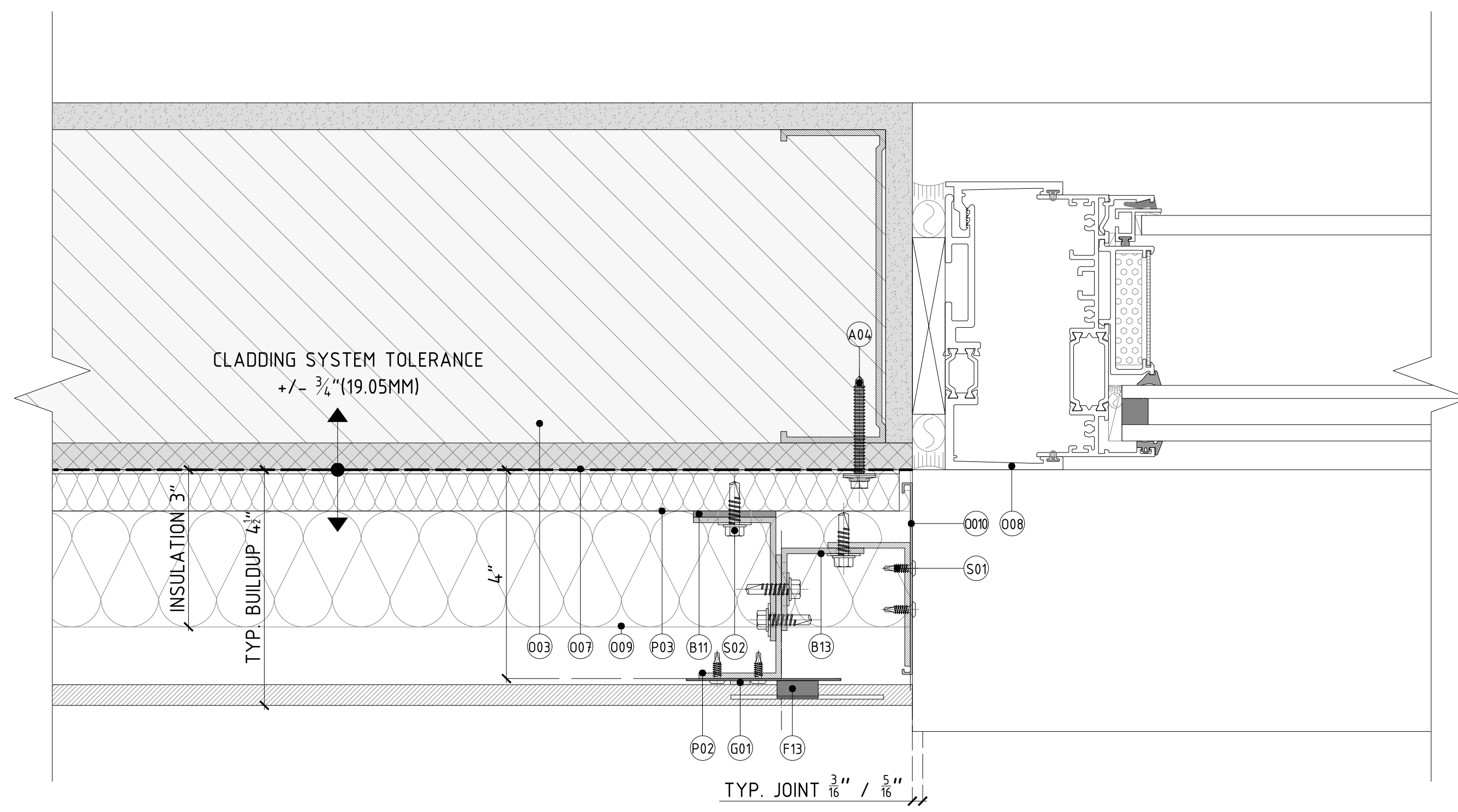
DATE	REV.	DESCRIPTION

SHEET TITLE:
**WINDOW HEAD RETURN
 WITH PORCELAIN PANEL**

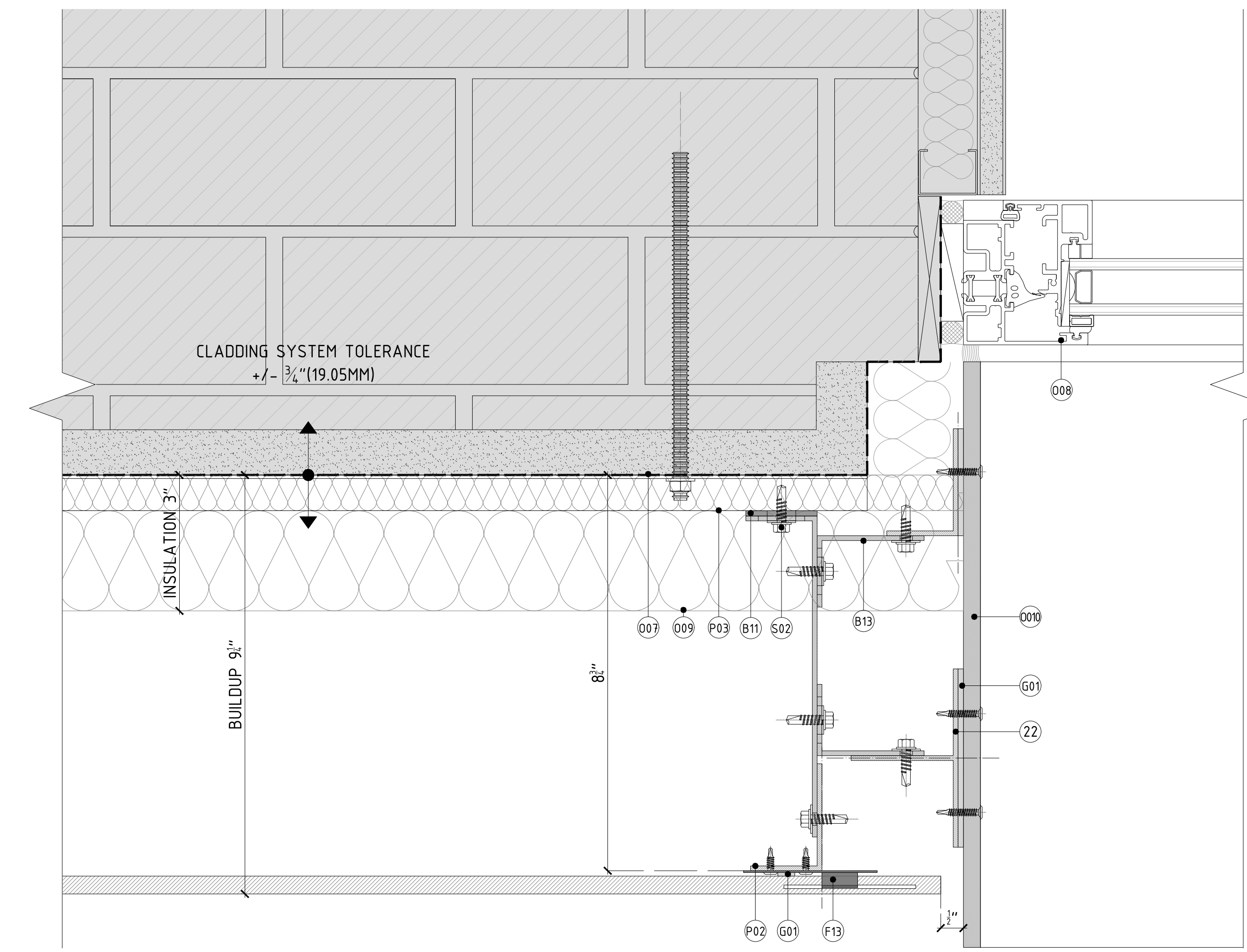
SCALE:
 HALF SIZE @ARCH D 3"-1'-0" @ARCH C

SHEET NO. REVISION:

IMPORTANT NOTES:
 PLEASE NOTE: THESE ARE CONCEPTUAL DETAILS. PROJECT SPECIFIC DETAILS MUST BE REVIEWED WITH PORCELANOSA. ALL DATA CONTAINED HERE IN IS THE PROPERTY OF PORCELANOSA AND SHALL NOT BE COPIED, REPRODUCED OR DERIVED WITHOUT PRIOR WRITTEN APPROVAL FROM PORCELANOSA. COMMERCIAL ARCHITECTURAL FIRMS MAY INCORPORATE THESE CONCEPTUAL DETAILS INTO ARCHITECTURAL DRAWINGS.



DETAIL A - TYP. METAL JAMB DETAIL



DETAIL B - TYP. METAL JAMB DETAIL - 221W 17TH ST

CODE	ITEM DESCRIPTION
A04	VFS ANCH METAL STUD SHEATH HLT1 & M&S
B01	VFS THERMAL BRIDGE 1/8\"/>
B03	VFS THERMAL BRIDGE 1/8\"/>
B11	VFS THERMAL BRIDGE 1/8\"/>
B13	VFS SINGLE L-BRACKET 2-6/16\"/>
F11	VFS FIXING DEPTH 13MM START/END BL
F12	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
F13	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
O03	STUD WALL 6\"/>
O07	DAMP-PROOF COURSE (DPC)
O08	WINDOW SYSTEM
O09	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
O10	ALUMINUM FLASHING
P01	VFS PROFILE T 1/2\"/>
P02	VFS PROFILE L 1/2\"/>
P03	VFS PROFILE DRGKA 1/2\"/>
S01	VFS SCREW FIXING PLATE
S02	VFS SCREW PROFILES T/A (INCL WASHER)

REVISIONS:		
DATE	REV.	DESCRIPTION

SHEET TITLE:
**WINDOW JAMB RETURN
 WITH METAL**

SCALE:
 HALF SIZE @ARCH D 3\"/>

IMPORTANT NOTES:
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CODE	ITEM DESCRIPTION
A04	VFS ANCH METALSTUD SHEATH HLT1 & MAS
B01	VFS THERMAL BRIDGE 1/8" DOUBLE BRACKETS
B03	VFS DOUBLE L-BRACKET 2-4/16" (60MM)
B11	VFS THERMAL BRIDGE 1/8" SINGLE BRACKETS
B13	VFS SINGLE L-BRACKET 2-4/16" (60MM)
F11	VFS FIXING DEPTH 13MM START/END BL
F12	VFS FIXING DEPTH 13MM JOINT 3/16" (E BL
F13	VFS FIXING DEPTH 13MM JOINT 3/16" Lx BL
O03	STUD WALL 4" X 6" 1/4" 1/4" 1/4" STEEL STUDS + SINGLE GYPSUM SHEATHING
O07	DAMP-PROOF COURSE (DPC)
O08	WINDOW SYSTEM
O09	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
O10	ALUMINUM FLASHING
P01	VFS PROFILE T SHIT (DM)
P02	VFS PROFILE L SHIT (DM)
P03	VFS PROFILE DREGA SHIT (DM)
S01	VFS SCREW FIXING PLATE
S02	VFS SCREW PROFILES T/A (INCL WASHER)

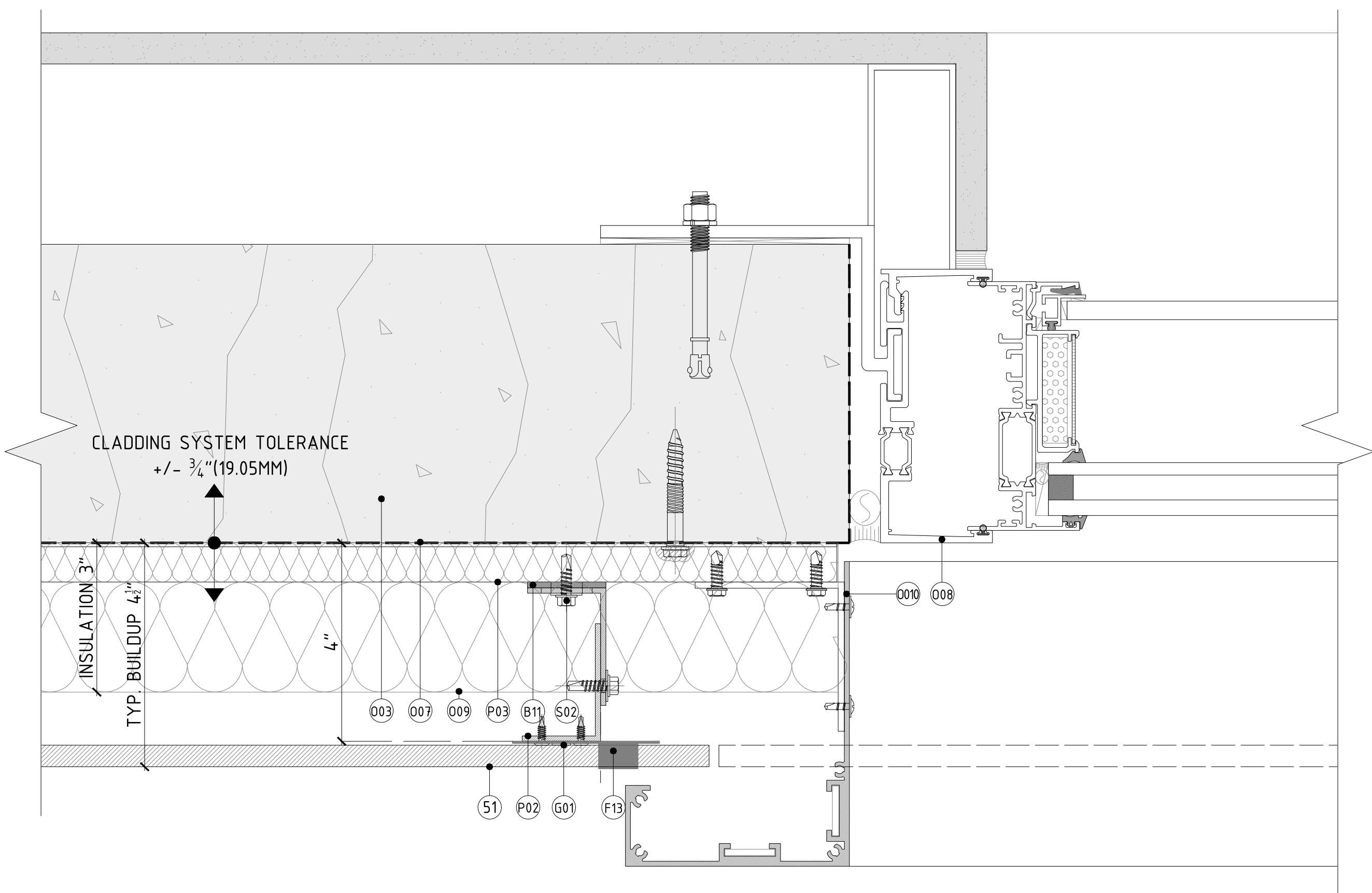
REVISIONS:

DATE	REV	DESCRIPTION

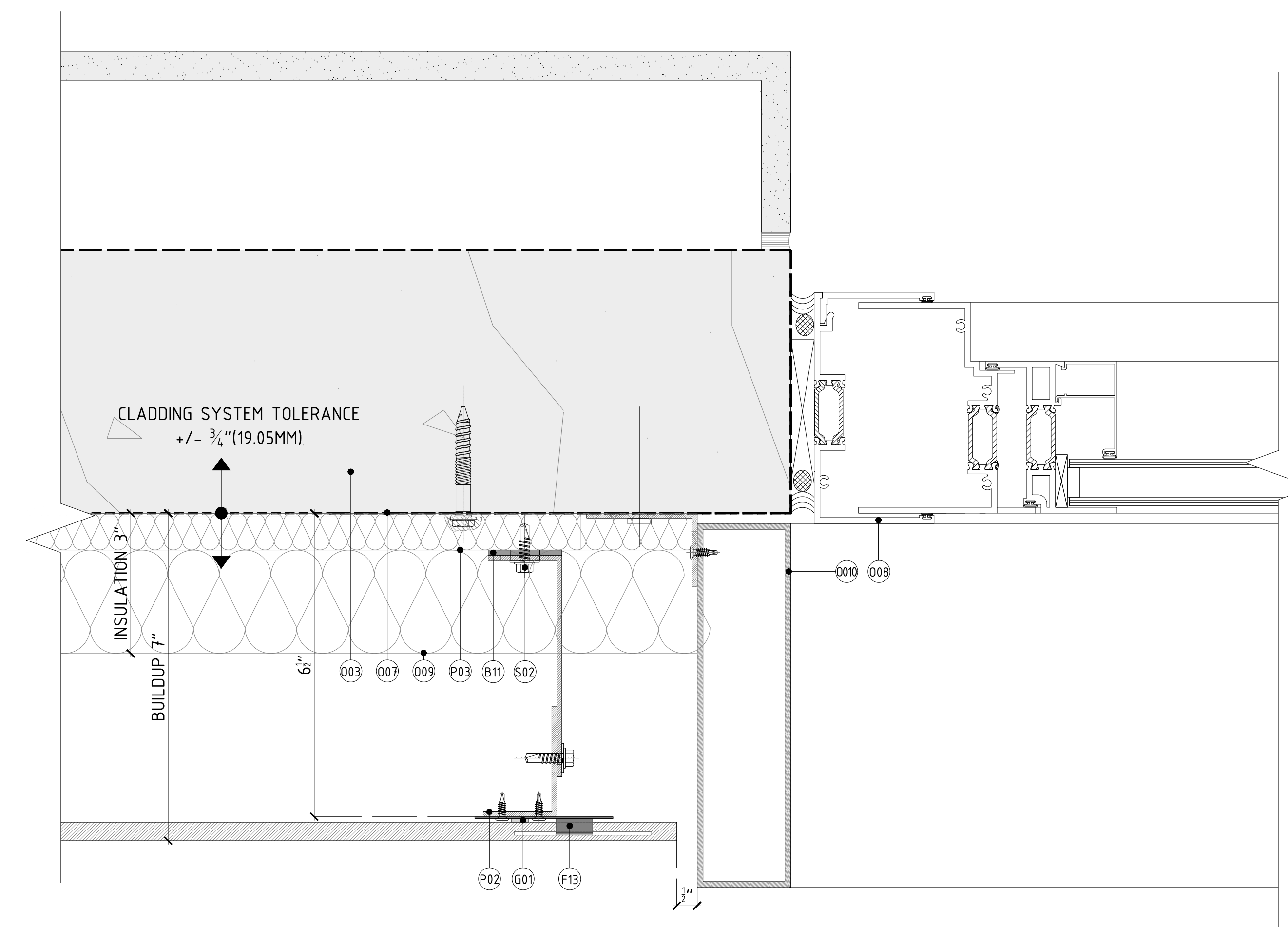
SHEET TITLE:
**WINDOW JAMB RETURN
 WITH METAL**

SCALE:
 HALF SIZE @ARCH D 3"-1'-0" @ARCH C

SHEET NO. REVISION:



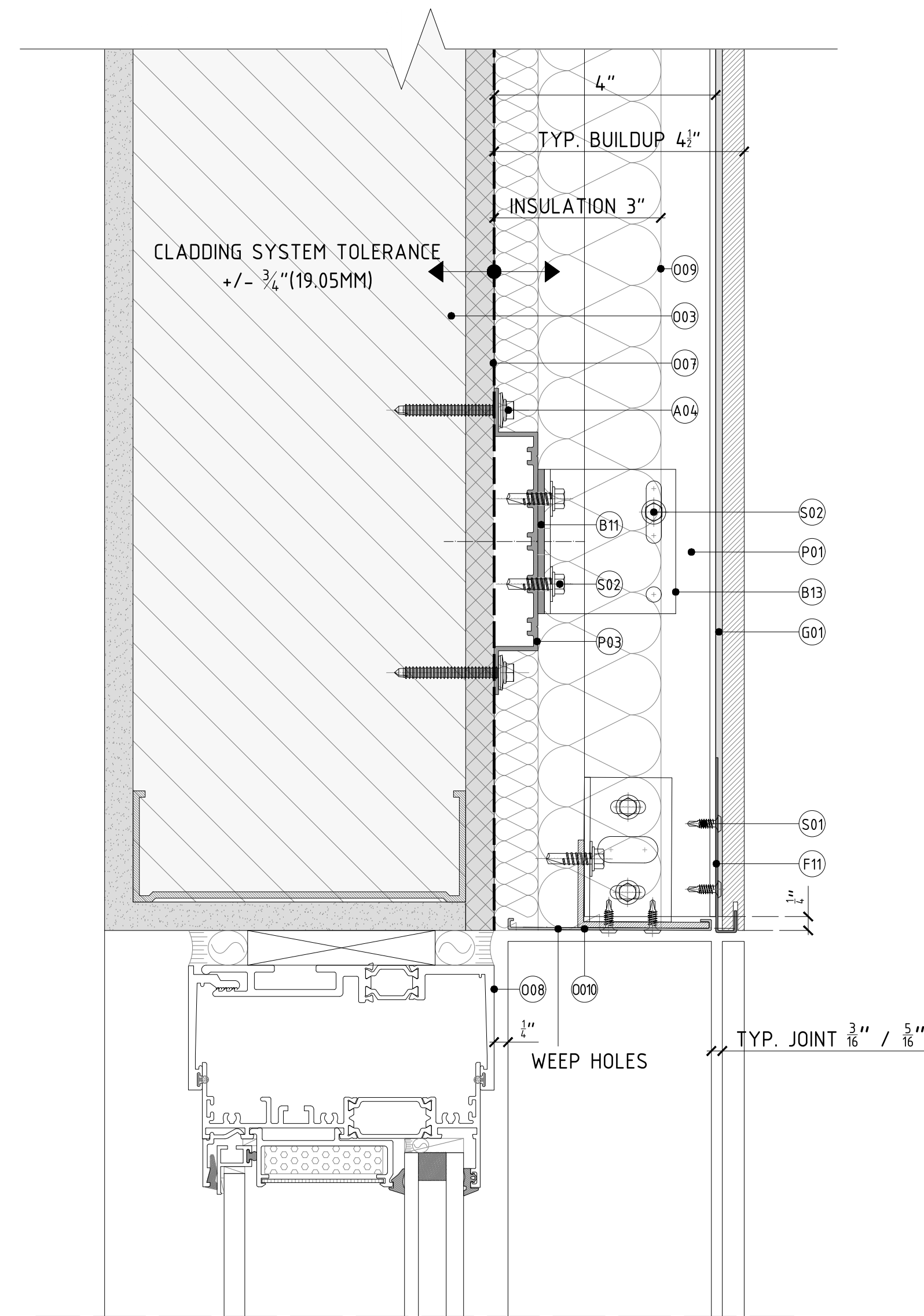
DETAIL A - TYP. METAL JAMB DETAIL - THE NEVINS PROJECT



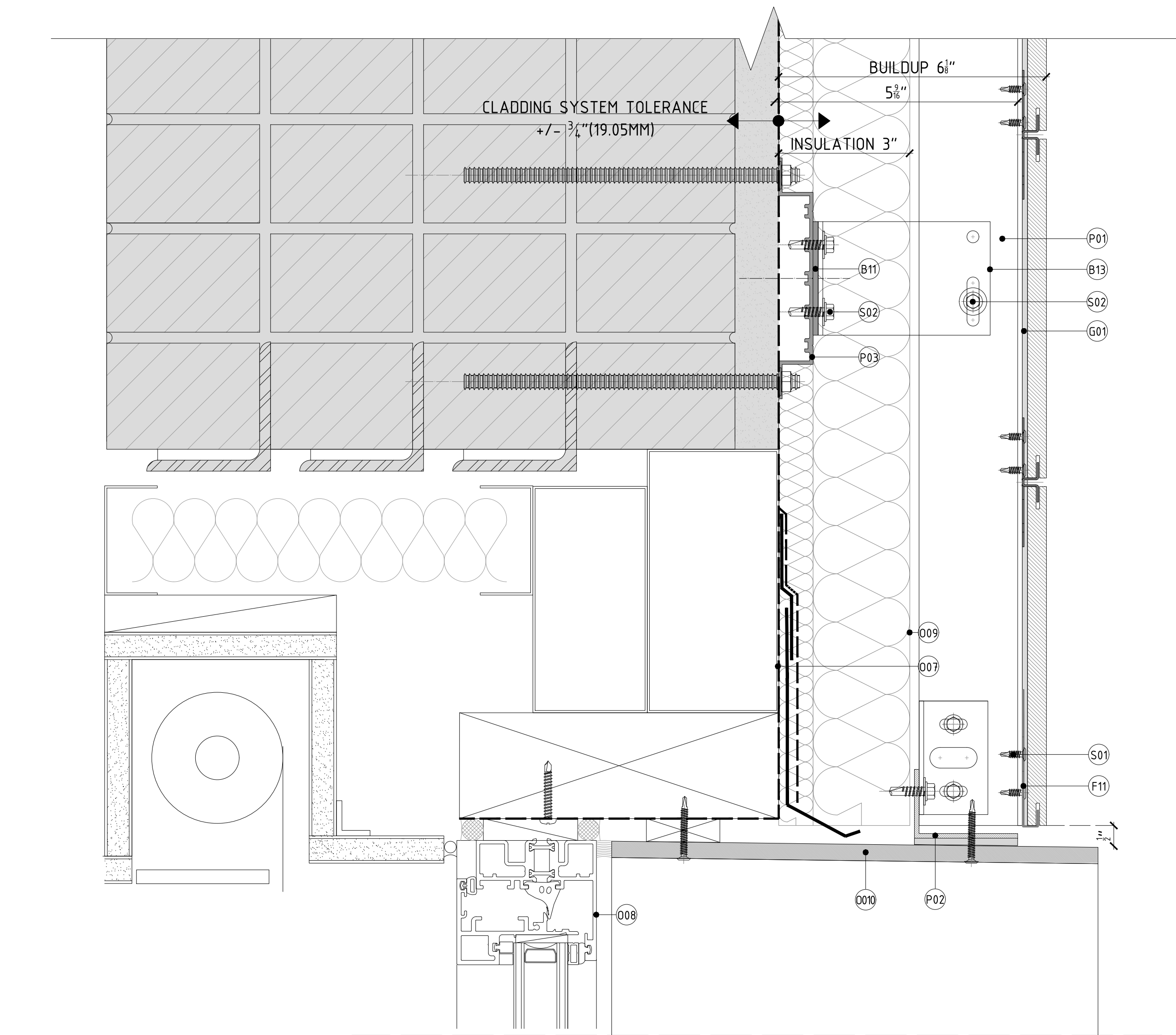
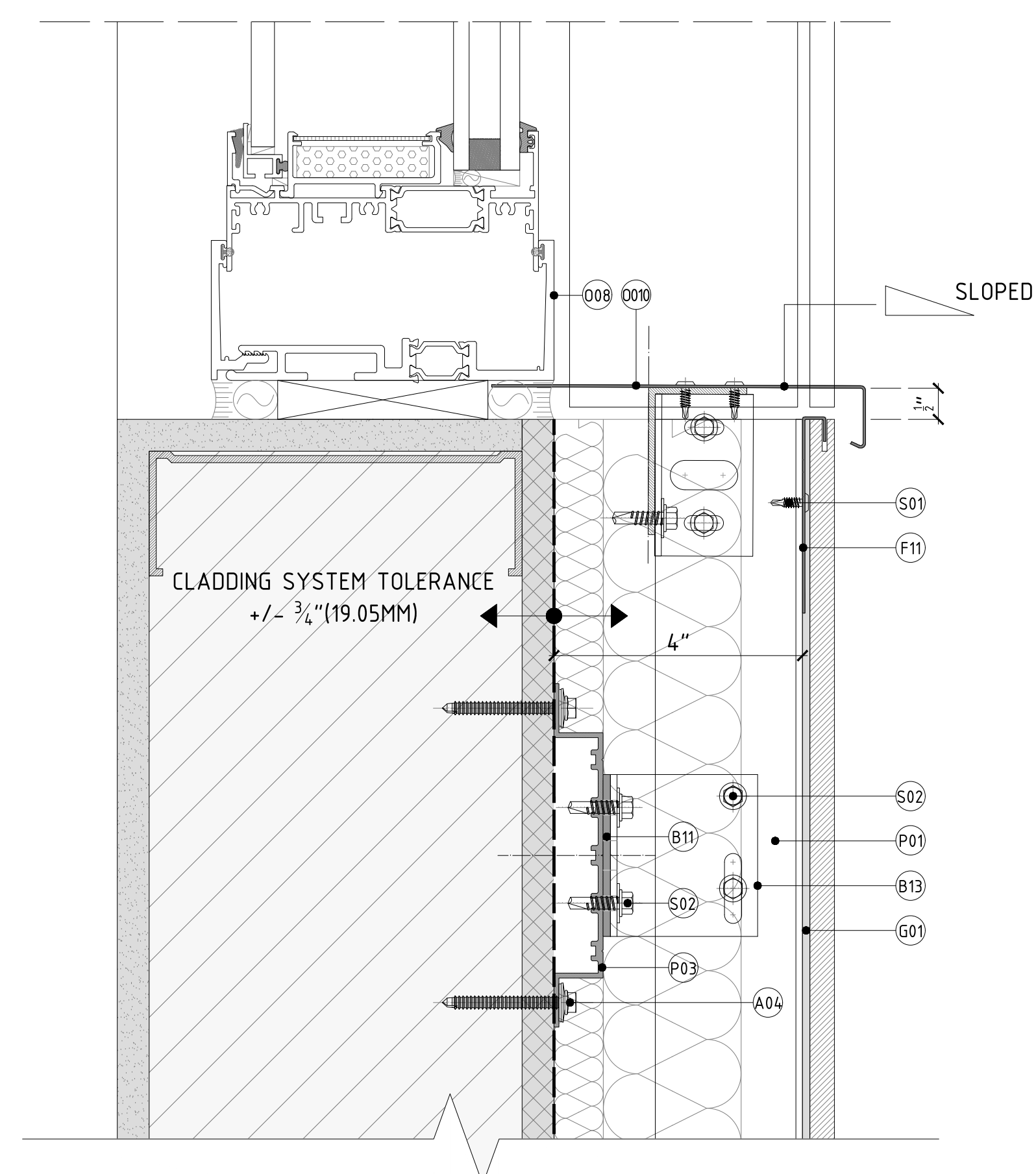
DETAIL B - TYP. METAL JAMB DETAIL - ALTA LIC PROJECT

IMPORTANT NOTES:

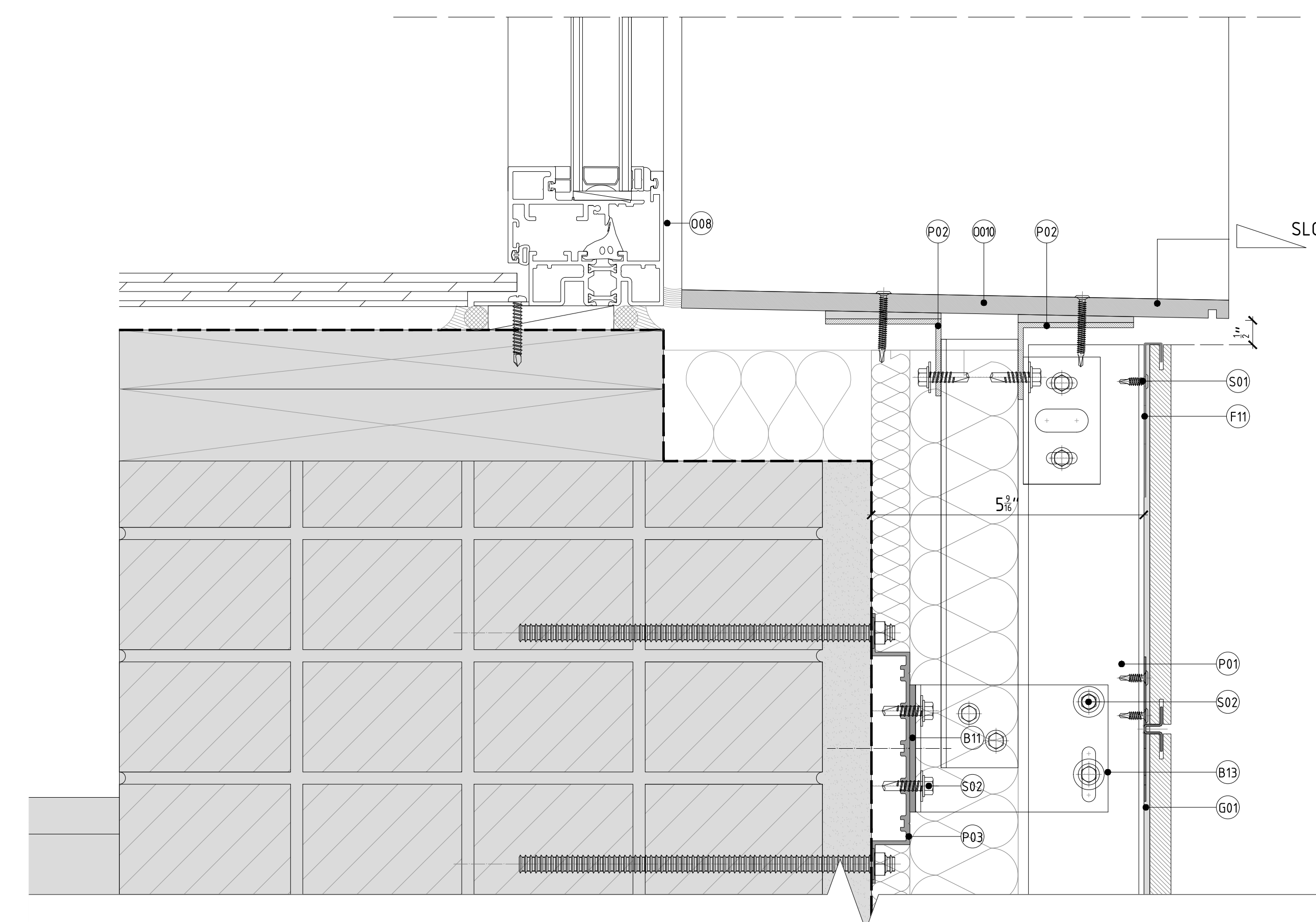
PLEASE NOTE: THESE ARE CONCEPTUAL DETAILS. PROJECT SPECIFIC DETAILS MUST BE REVIEWED WITH PORCELANOSA. ALL DATA CONTAINED HERE IN IS THE PROPERTY OF PORCELANOSA AND SHALL NOT BE COPIED, REPRODUCED OR DEREGISTERED WITHOUT PRIOR WRITTEN APPROVAL FROM PORCELANOSA. COMMERCIAL ARCHITECTURAL FIRMS MAY INCORPORATE THESE CONCEPTUAL DETAILS INTO ARCHITECTURAL DRAWINGS.



DETAIL A - TYP. METAL WINDOW HEAD & SILL DETAIL



DETAIL B - TYP. METAL WINDOW HEAD & SILL DETAIL - 221 17TH ST



CODE	ITEM DESCRIPTION
A04	VFS ANCH METAL STUD SHEATH MULTI & MASS
B01	VFS THERMAL BRIDGE 1/8\"/>
B03	VFS DOUBLE L-BRACKET 2-6/16\"/>
B11	VFS THERMAL BRIDGE 1/8\"/>
B13	VFS SINGLE L-BRACKET 2-6/16\"/>
F11	VFS FIXING DEPTH 13MM START/END BL
F12	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
F13	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
O03	STUD WALL 6\"/>
O07	DAMP-PROOF COURSE (DPC)
O08	WINDOW SYSTEM
O09	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
O10	ALUMINUM FLASHING
P01	VFS PROFILE T-SHFT (SH)
P02	VFS PROFILE L-SHFT (SH)
P03	VFS PROFILE DRGXA-SHFT (SH)
S01	VFS SCREW FIXING PLATE
S02	VFS SCREW PROFILES T/A (INKL WASHER)

REVISIONS:		
DATE	REV.	DESCRIPTION

SHEET TITLE:
 WINDOW HEAD RETURN &
 SILL WITH METAL

SCALE:
 HALF SIZE @ARCH D 3\"/>

IMPORTANT NOTES:

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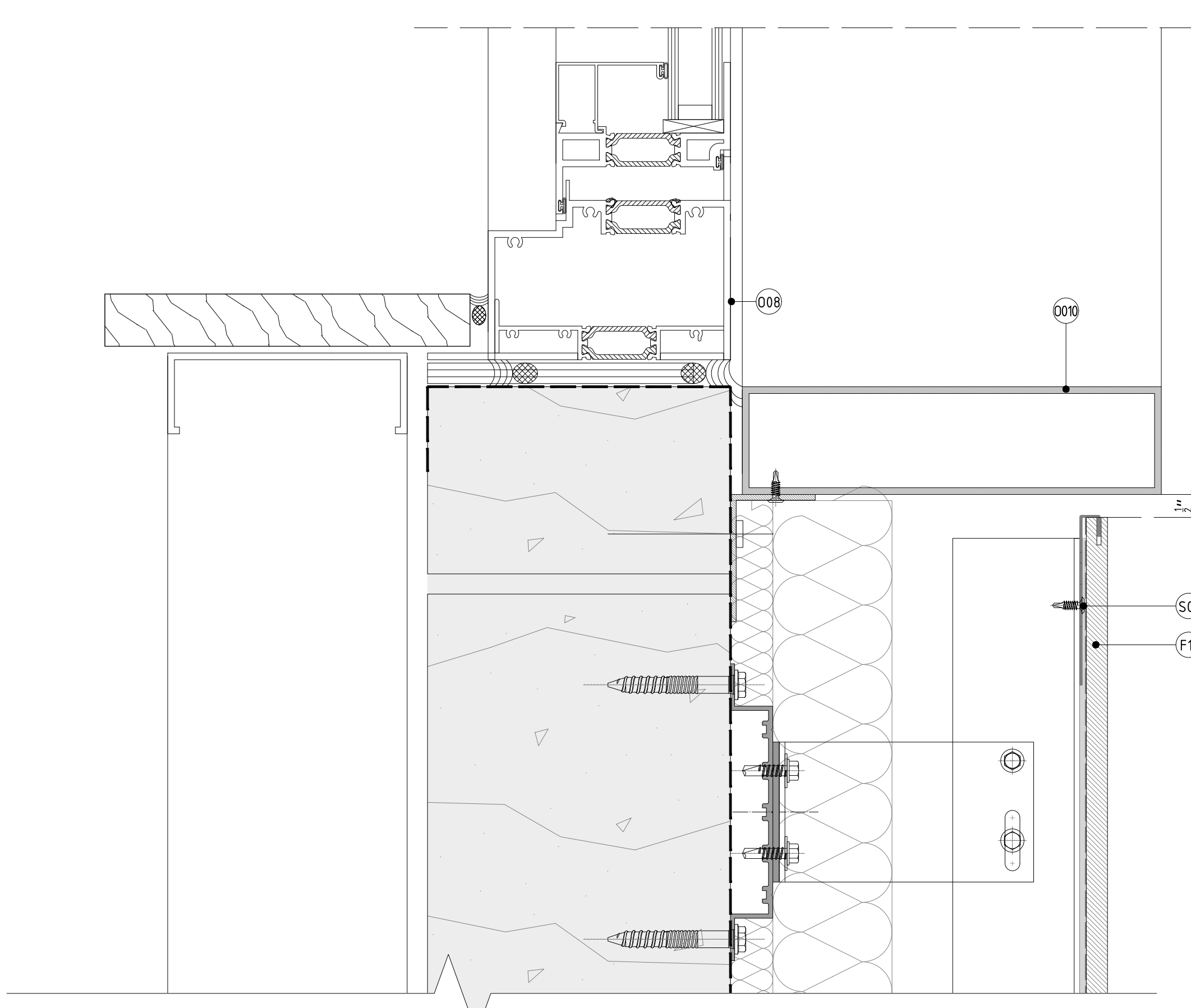
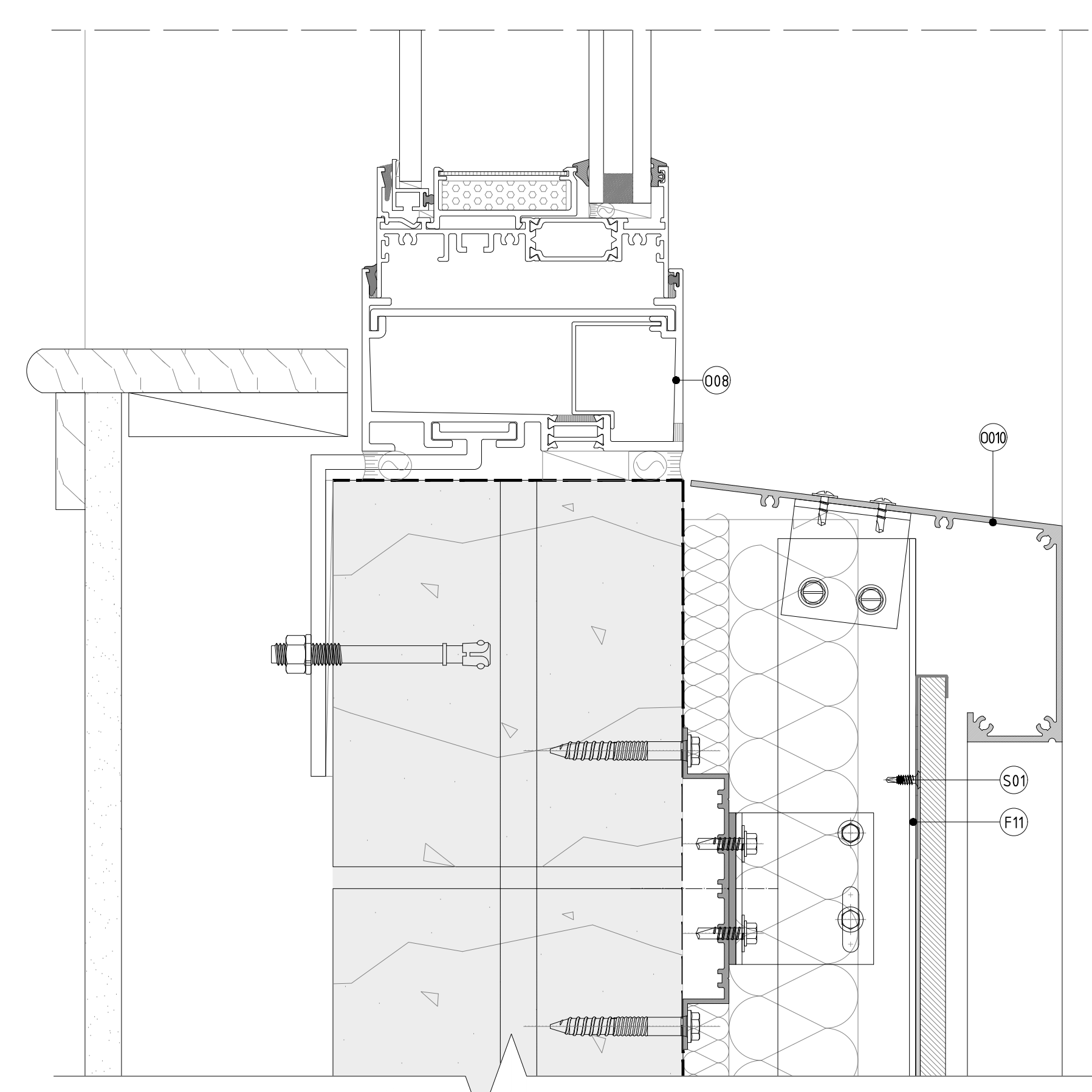
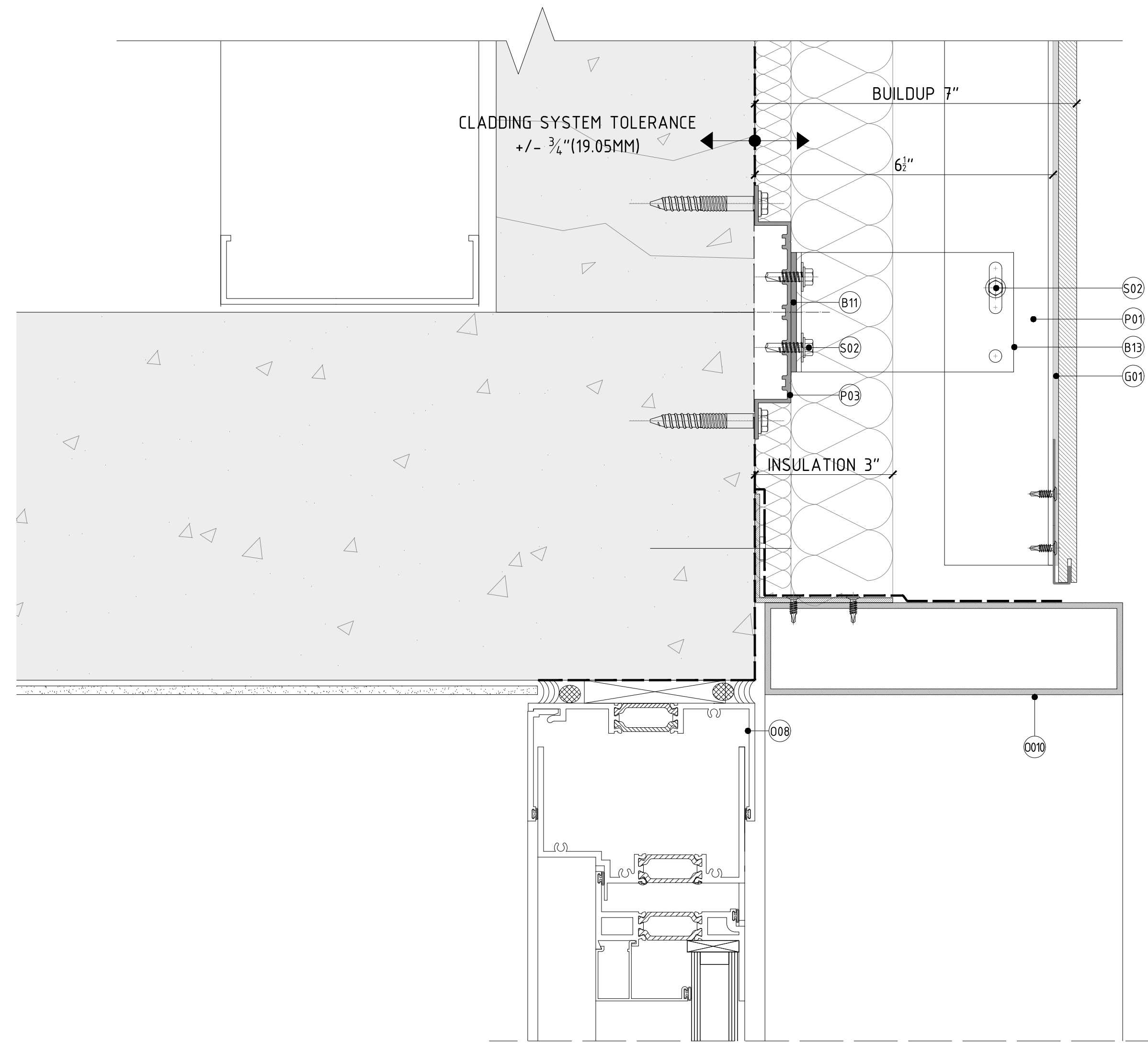
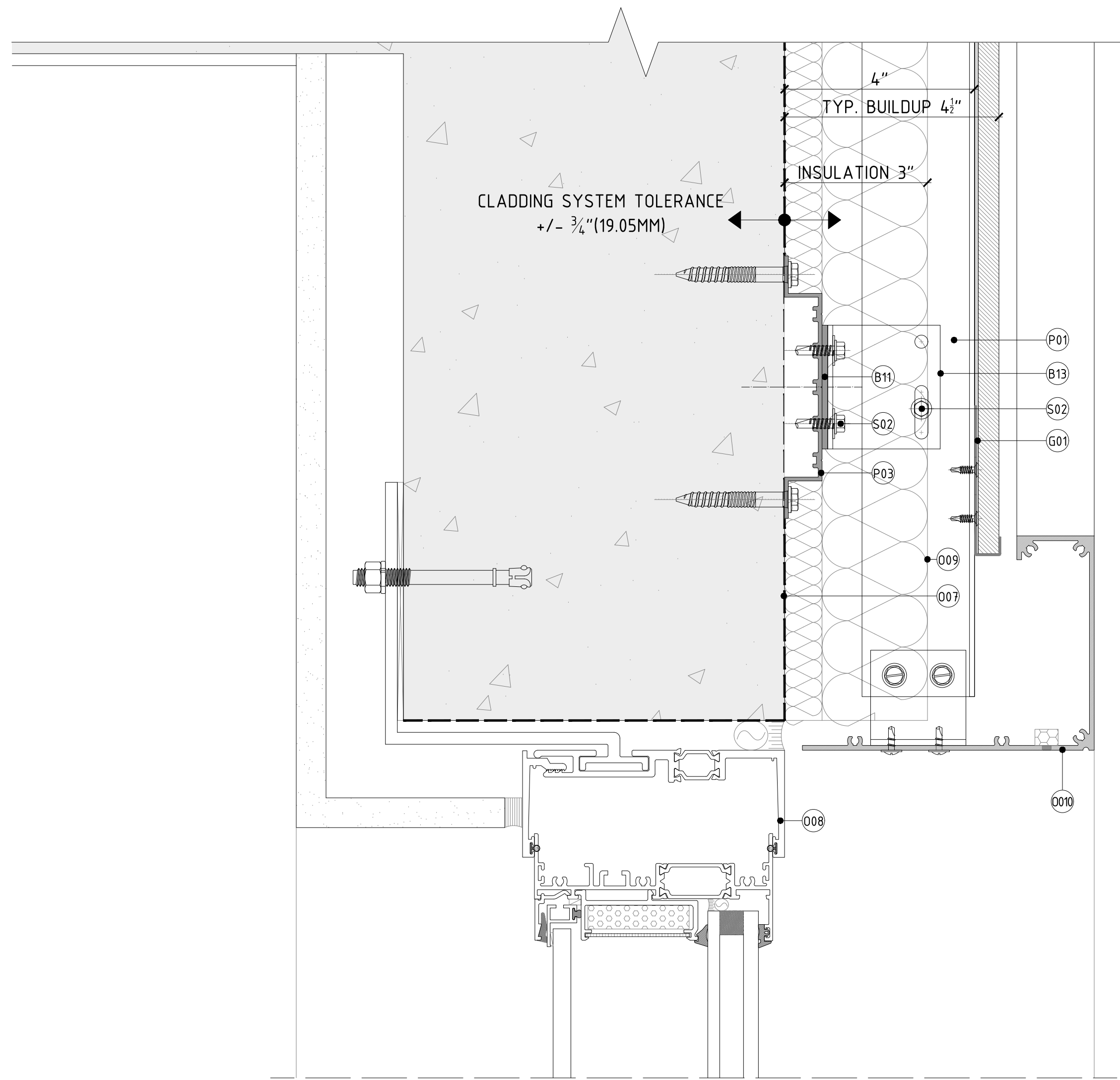
CODE	ITEM DESCRIPTION
A04	VFS ANCH METAL STUD SHEATH MULTI & MAX
B01	VFS THERMAL BRIDGE 1/8" DOUBLE BRACKETS
B03	VFS DOUBLE L-BRACKET 2-6/16" (66MM)
B11	VFS THERMAL BRIDGE 1/8" SINGLE BRACKETS
B13	VFS SINGLE L-BRACKET 2-6/16" (66MM)
F11	VFS FIXING DEPTH 13MM START/END BL
F12	VFS FIXING DEPTH 13MM JOINT 3/16" (E BL
F13	VFS FIXING DEPTH 13MM JOINT 3/16" Lx BL
O03	STUD WALL 6"-WGA, W/ 6"x6" STEEL STUDS + SINGLE GYPSUM SHEATHING
O07	DAMP-PROOF COURSE (DPC)
O08	WINDOW SYSTEM
O09	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
O10	ALUMINUM FLASHING
P01	VFS PROFILE T 1/2" (12.7)
P02	VFS PROFILE L 1/2" (12.7)
P03	VFS PROFILE DREGA 1/2" (12.7)
S01	VFS SCREW FIXING PLATE
S02	VFS SCREW PROFILES T/A (INCL WASHER)

REVISIONS:		
DATE	REV.	DESCRIPTION

SHEET TITLE:
**WINDOW HEAD RETURN &
 SILL WITH METAL**

SCALE:
 HALF SIZE @ARCH D 3"-1'-0" @ARCH C

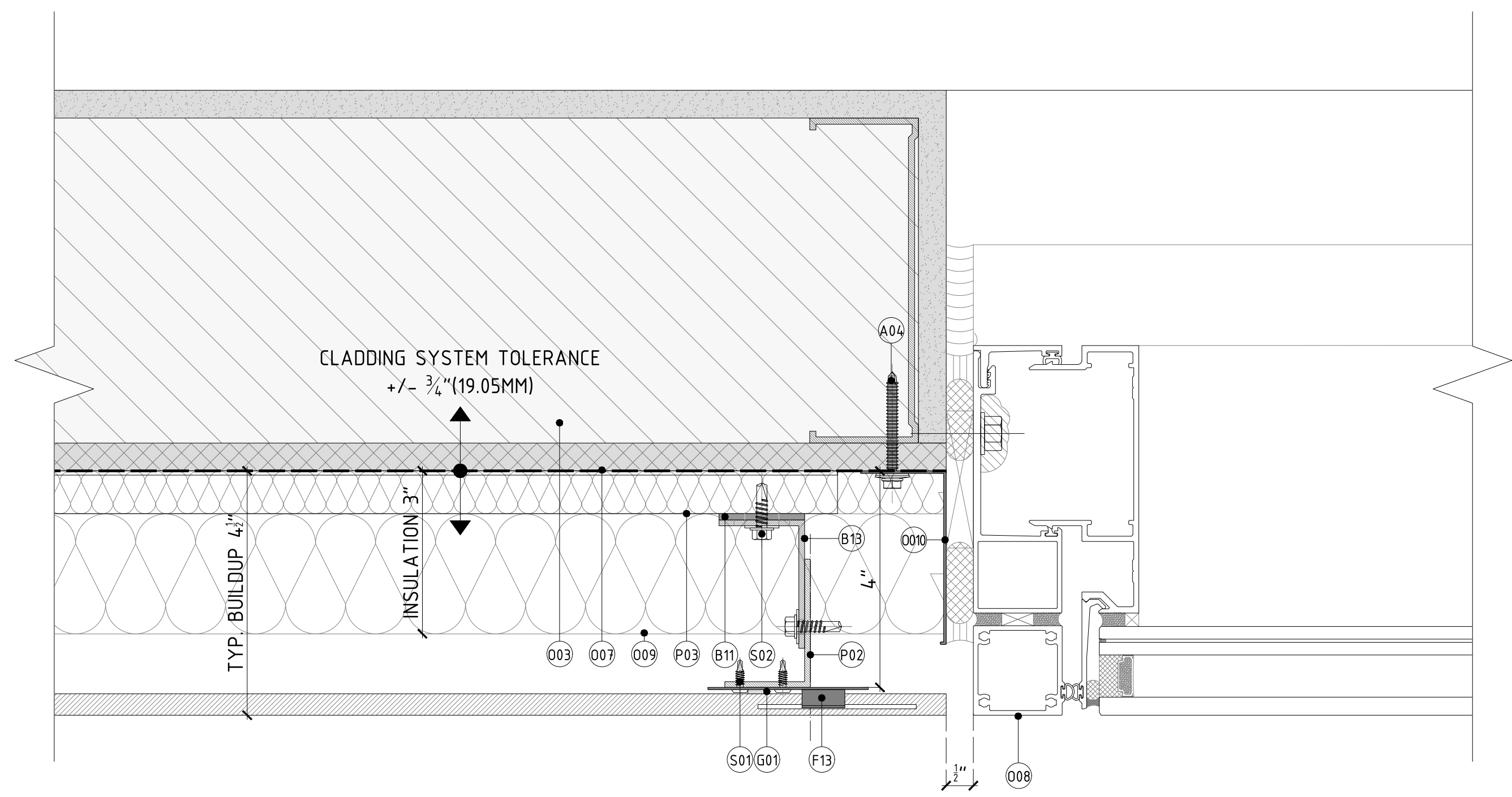
SHEET NO. REVISION:
615



DETAIL A - TYP. WINDOW METAL HEAD & SILL DETAIL - ALTA LIC PROJECT

DETAIL B - TYP. WINDOW METAL HEAD & SILL DETAIL - THE NEVINS PROJECT

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DETAIL A - TYP. JAMB DETAIL W/OUT RETURN

CODE	ITEM DESCRIPTION
A04	VFS ANCH METAL STUD SHEATH MULTI & MASS
B01	VFS THERMAL BRIDGE 1/8\"/>
B03	VFS DOUBLE L-BRACKET 2-6/16\"/>
B11	VFS THERMAL BRIDGE 1/8\"/>
B13	VFS SINGLE L-BRACKET 2-6/16\"/>
F11	VFS FIXING DEPTH 13MM START/END BL
F12	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
F13	VFS FIXING DEPTH 13MM JOINT 3/16\"/>
S03	STUD WALL 6\"/>
S07	DAMP-PROOF COURSE (DPC)
S08	WINDOW SYSTEM
S09	THERMAL INSULATION SPECIFICALLY ENGINEERED FOR CAVITY WALL APPLICATIONS AND ALUMINUM OR THE OTHER
S10	ALUMINUM FLASHING
S11	VFS PROFILE T 1/2\"/>
S12	VFS PROFILE L 1/2\"/>
S13	VFS PROFILE DRGKA 1/2\"/>
S21	VFS SCREW FIXING PLATE
S22	VFS SCREW PROFILES T/A (INCL WASHER)

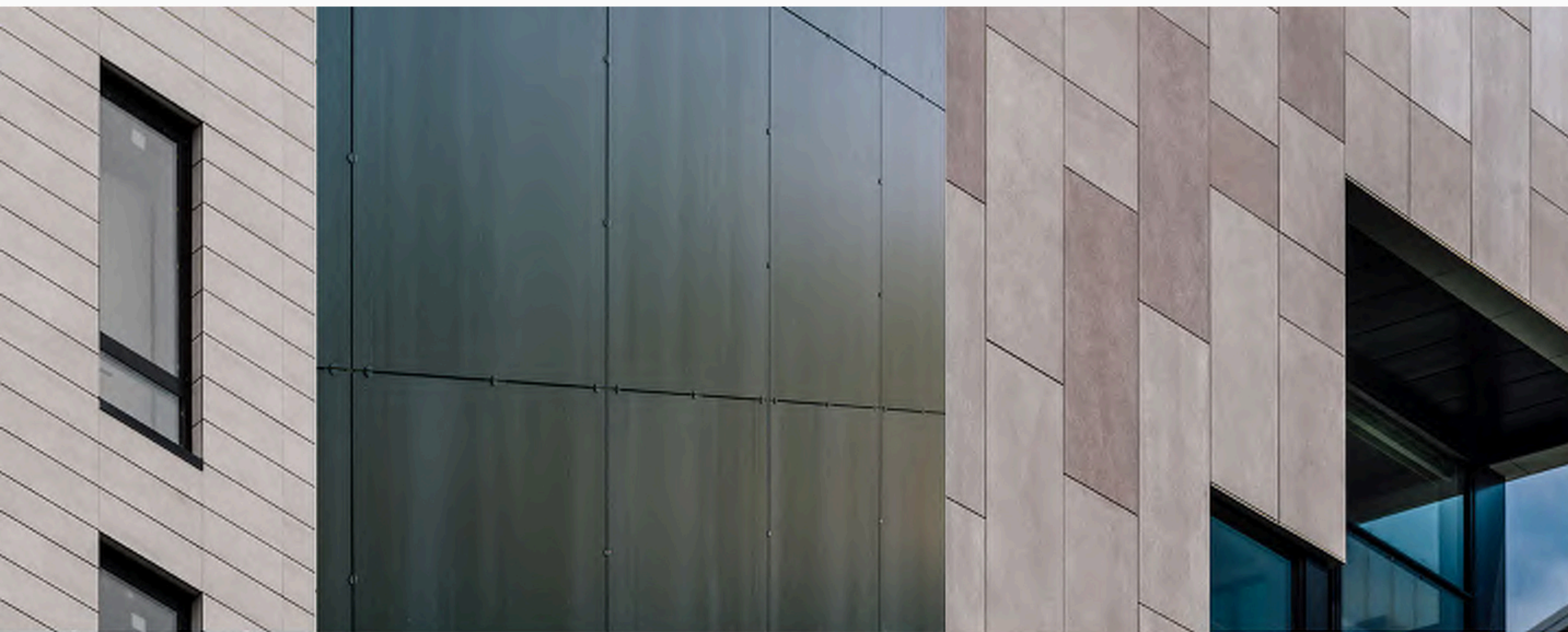
REVISIONS:

DATE	REV	DESCRIPTION

SHEET TITLE:
 WINDOW & CLADDING FLUSH
 HORIZONTAL SECTION

SCALE:
 HALF SIZE @ARCH D 3\"/>

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Questions?

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416-708-2994

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anna@snrg.ca

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