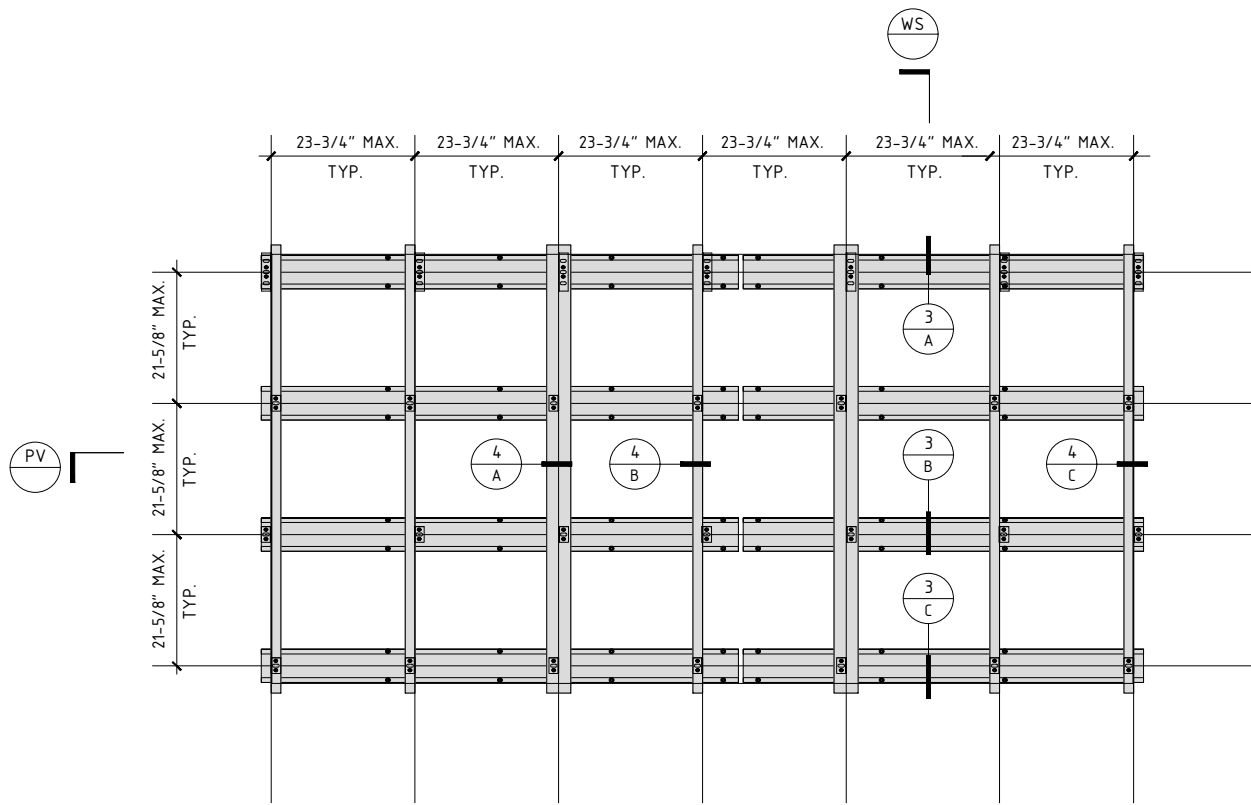
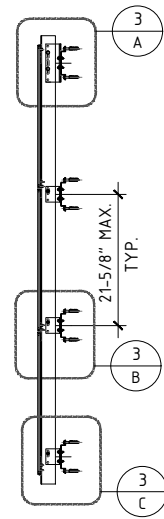
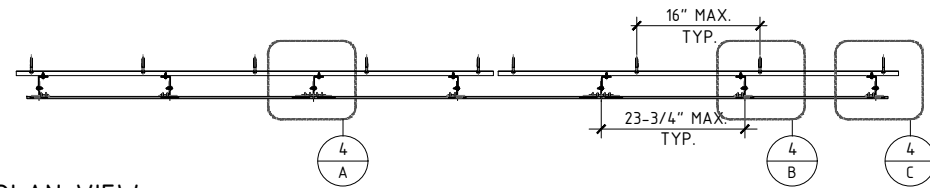




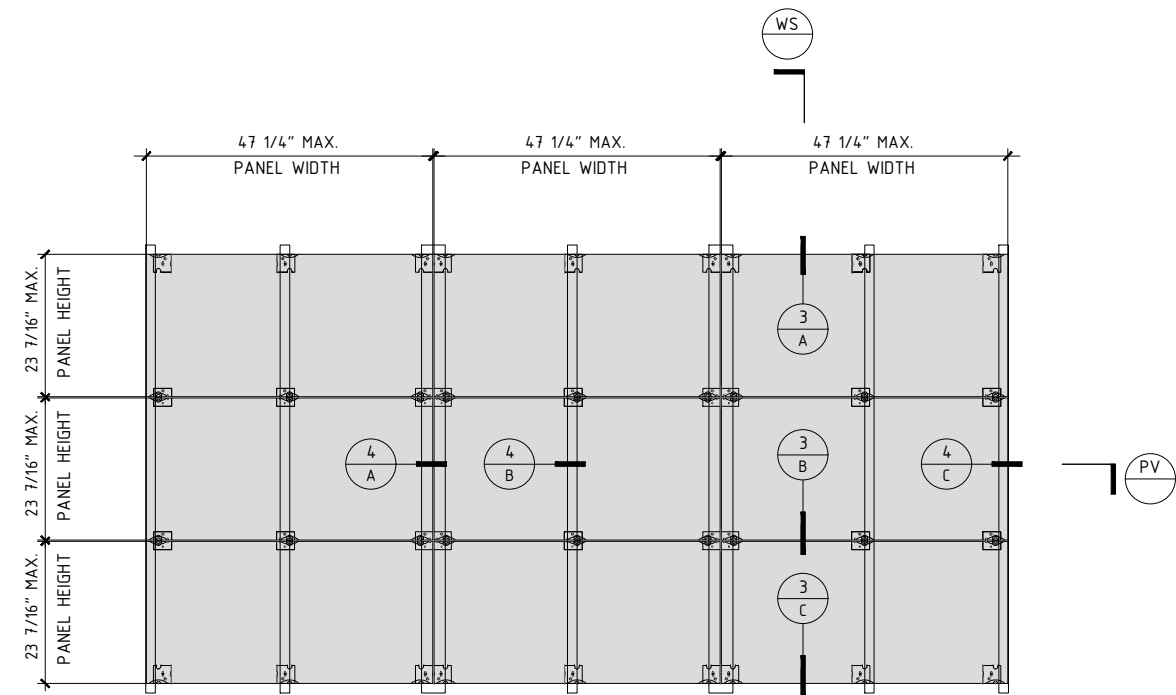
SUBSTRUCTURE LAYOUT



WALL
SECTION



PLAN VIEW



PANEL LAYOUT

TYPICAL ELEVATION

INSTALLATIONS AT MASONRY/CONC STRUCTURES
SEE SHEETS 3 AND 4 FOR INSTALLATION DETAILS

PORCELAIN PANEL, BY PORCELANOSA GRUPO
RAINSCREEN VENTILATED FACADE SYSTEM

PORCELAIN PANELS ANCHORED TO SHEAR WALLS AS
EXTERIOR CLADDING.

APPROVAL APPLIES TO MULTIPLE UNIT INSTALLATIONS

MAX. DESIGN LOAD = + 80 PSF
- 80 PSF

MIN. PANEL THICKNESS = 7/16 IN.
MAX. PANEL SIZE= 23-7/16" HIGH X 47-1/4" WIDE

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH
VELOCITY HURRICANE ZONE (HVHZ).

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON
DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL
DRESSING OR STUCCO.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO
CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF
THE 2023 FLORIDA BUILDING CODE.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A
SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF
STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER
INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO
BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS
GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e.
WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION
OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT
DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY
ANY MEANS.
- D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR
ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT
AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF
RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT
TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE
PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

Sealed: 10/23/2023



afc

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

RAINSCREEN VENTILATED FACADE SYSTEM (N.I.)

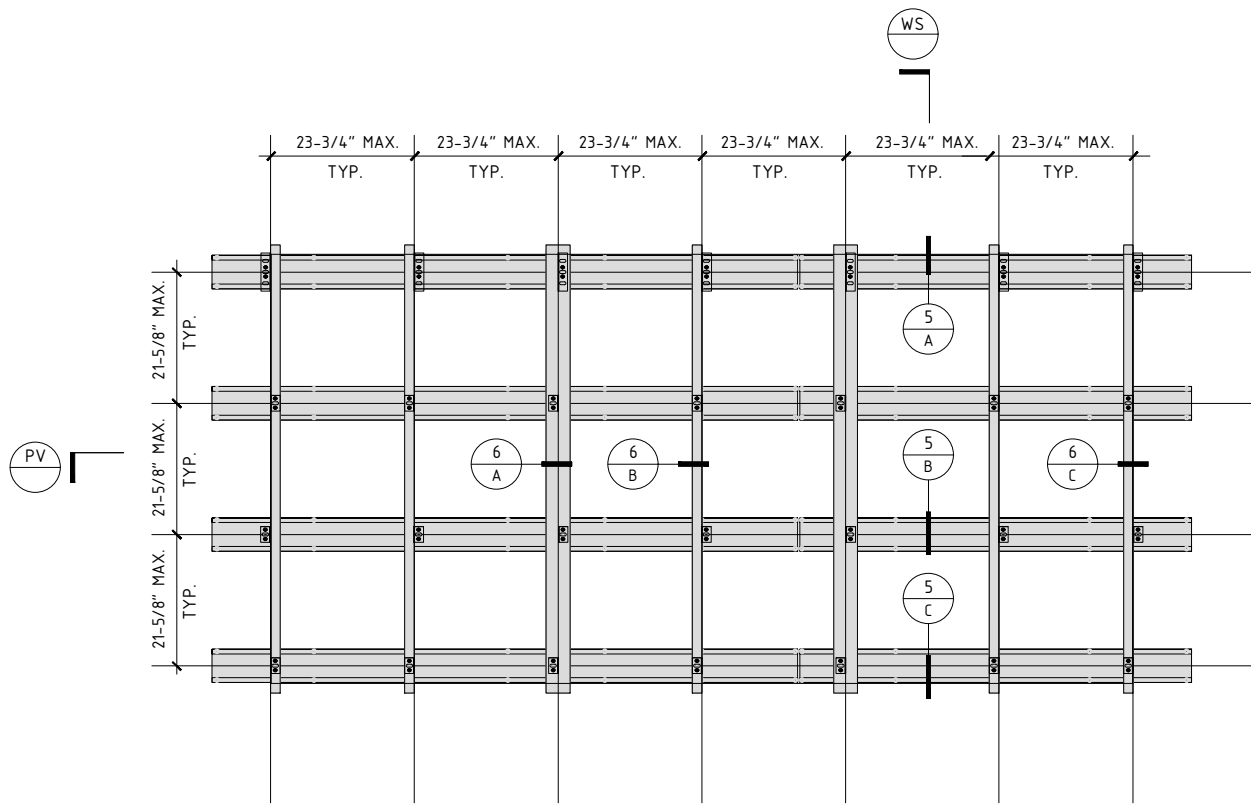
PORCELANOSA
8700 N.W. 13th Terrace
Miami, FL 33172
TEL. (305) 715-7153 FAX. (305) 715-9635

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chk. by:					

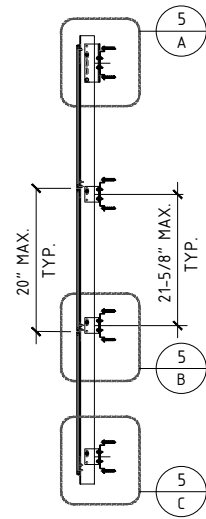
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17-0153

sheet 1 of 7

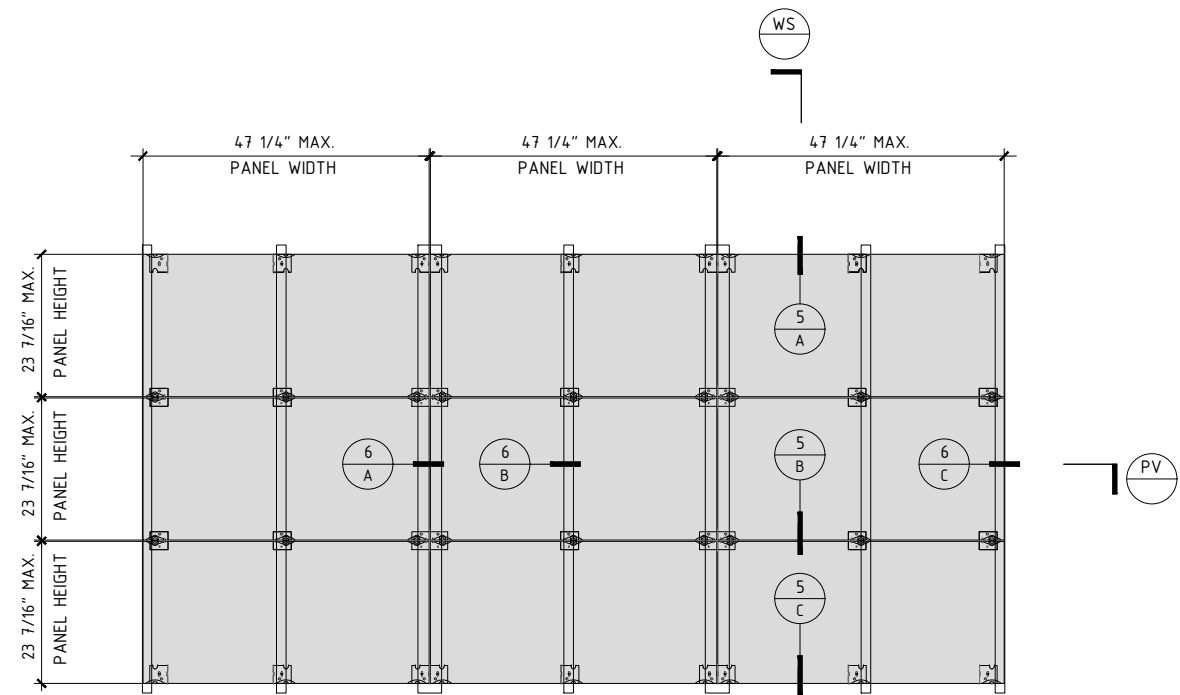
RAINSCREEN\16-09PLA



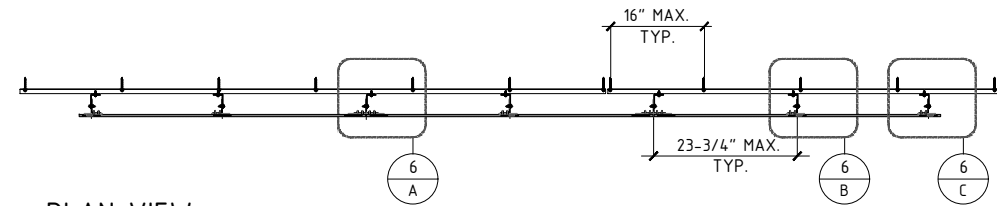
SUBSTRUCTURE LAYOUT



WALL
SECTION



PANEL LAYOUT



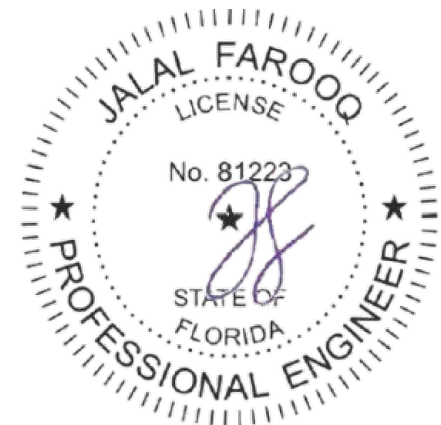
PLAN VIEW

TYPICAL ELEVATION
INSTALLATIONS AT STEEL/WOOD STUD FRAMING SYSTEM
SEE SHEETS 5 AND 6 FOR INSTALLATION DETAILS

RAINSCREEN SYSTEM INSTALLED IN FRONT OF 19/32" (5-PLY) PLYWOOD SUPPORTED BY METAL STUDS, EACH AT 16" O.C.
PLYWOOD SHALL BE ATTACHED TO FRAMING STUDS IN ACCORDANCE WITH FBC (HVHZ).

ADEQUACY OF STRUCTURE RECEIVING RAINSCREEN SYSTEM SHALL BE CHECKED BY A LICENSED DESIGN PROFESSIONAL IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.

Sealed: 10/23/2023



af c
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RAINSCREEN VENTILATED FACADE SYSTEM (N.I.)

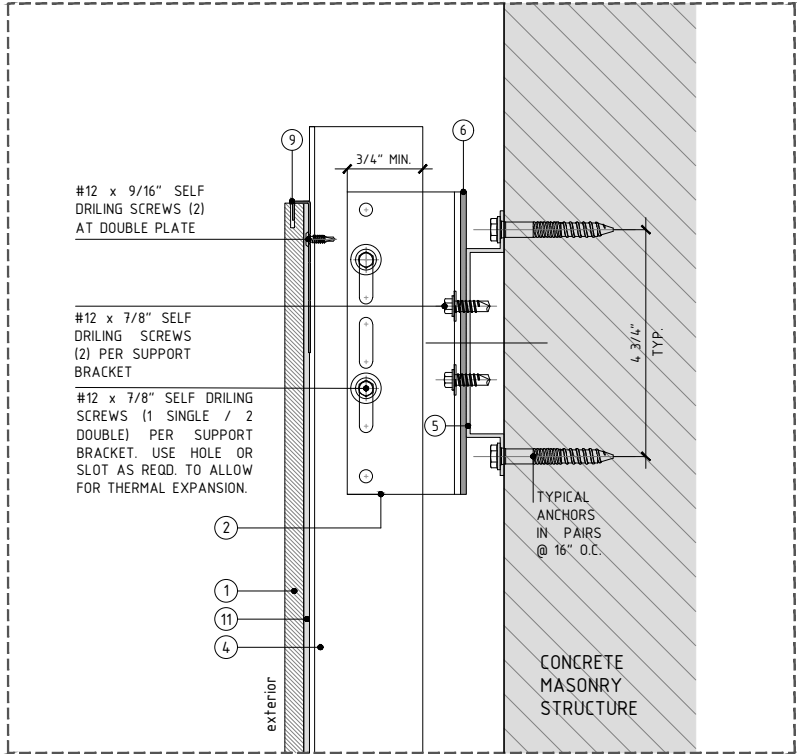
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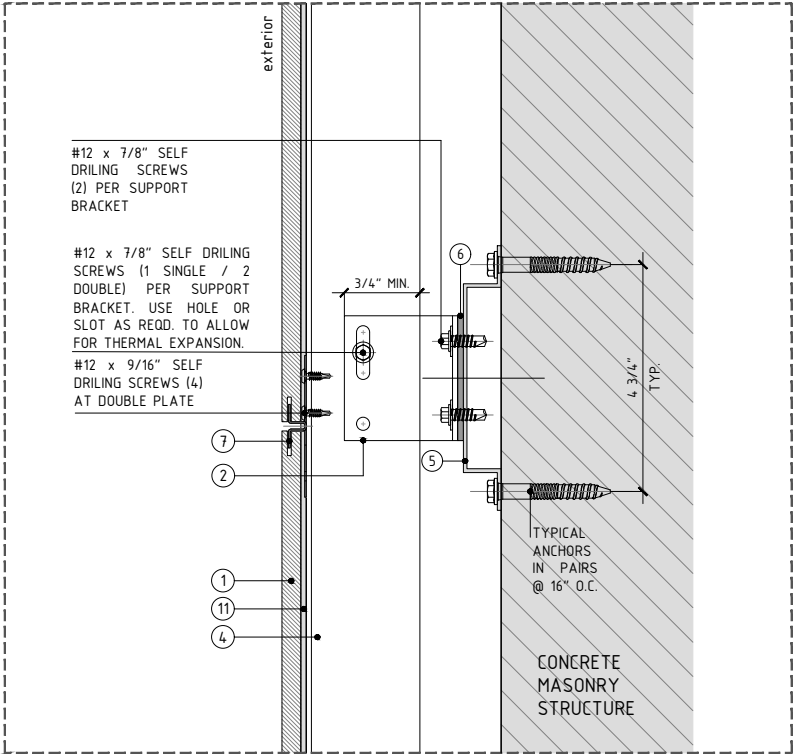
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chk. by:	

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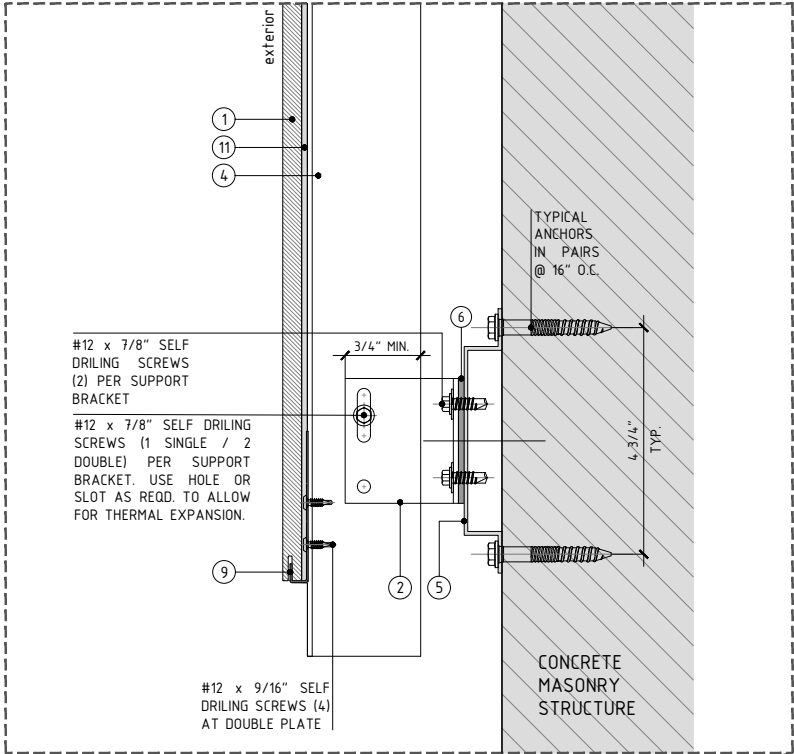
INSTALLATIONS AT MASONRY/CONC STRUCTURES



DETAIL A - TYPICAL VERTICAL DETAIL @ TOP ENDING



DETAIL B - TYPICAL VERTICAL DETAIL



DETAIL C - TYPICAL VERTICAL DETAIL @ BOTTOM ENDING

LEGEND

- | | |
|--|---|
| 1. PORCELAIN PANEL BY PORCELANOSA GRUPO | 6. SINGLE/DOUBLE THERMAL ISOLATOR |
| 2. ALUMINUM SUPPORT BRACKET (SINGLE/DOUBLE)* | 7. CENTRAL FIXING PLATE |
| 3. POWDER COATED (BLACK) ALUMINUM L-PROFILE, 40x60x2.7MM (1 5/16" x 2 3/8" x 1/8"), 3M (118 1/8") LONG | 8. LATERAL FIXING PLATE |
| 4. POWDER COATED (BLACK) ALUMINUM T-PROFILE, 100x60x2.7MM (3 15/16" x 2 3/8" x 1/8"), 3M (118 1/8") LONG | 9. START/END FIXING PLATE |
| 5. ALUMINUM OMEGA PROFILE 20x140MM (1 3/16" x 5 1/2"); 3M(118 1/8") LONG | 10. START/END HALF FIXING PLATE |
| | 11. P-404 WHITE POLYURETHENE |
| | * NOTE 1
IF A GREATER SIZE SUPPORT BRACKET IS NEEDED IT HAS TO BE CALCULATED BY THE ENGINEER OF RECORD ON A PROJECT BY PROJECT BASIS |

Sealed: 10/23/2023



TYPICAL ANCHORS:

1/4" DIA. ULTRACON BY "DEWALT"(Fu=164 KSI, Fy=148 KSI)

DIRECTLY INTO CONCRETE OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY
2-1/2" MIN. EDGE DISTANCE INTO CONCRETE
4" MIN. EDGE DISTANCE INTO MASONRY

CONCRETE f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCKS f'm = 2000 PSI MIN.

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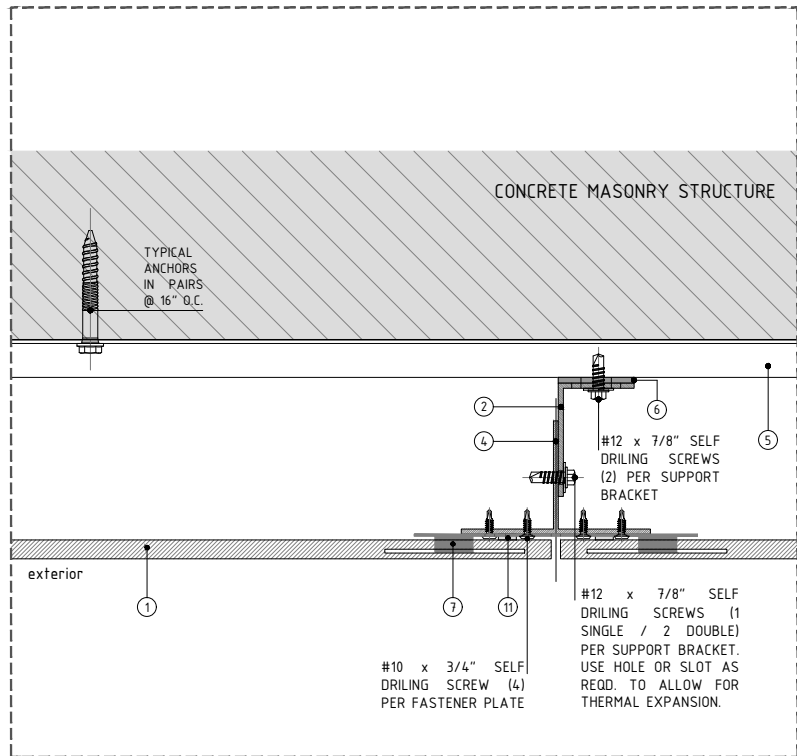
RAINSREEN\16-09PLA

RAINSREEN VENTILATED FACADE SYSTEM (N.I.)

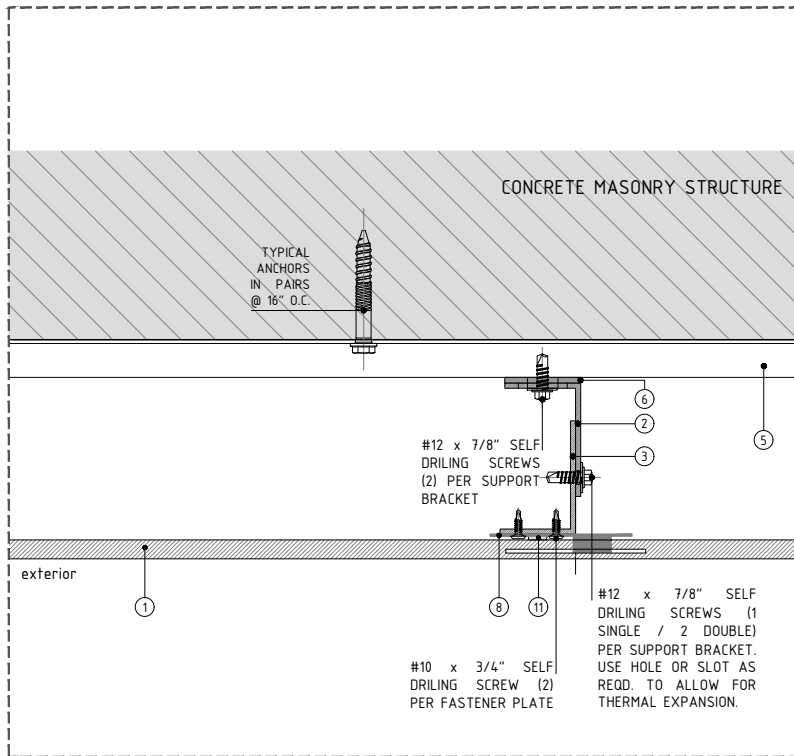
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drawing no.				
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sheet 3 of 7				

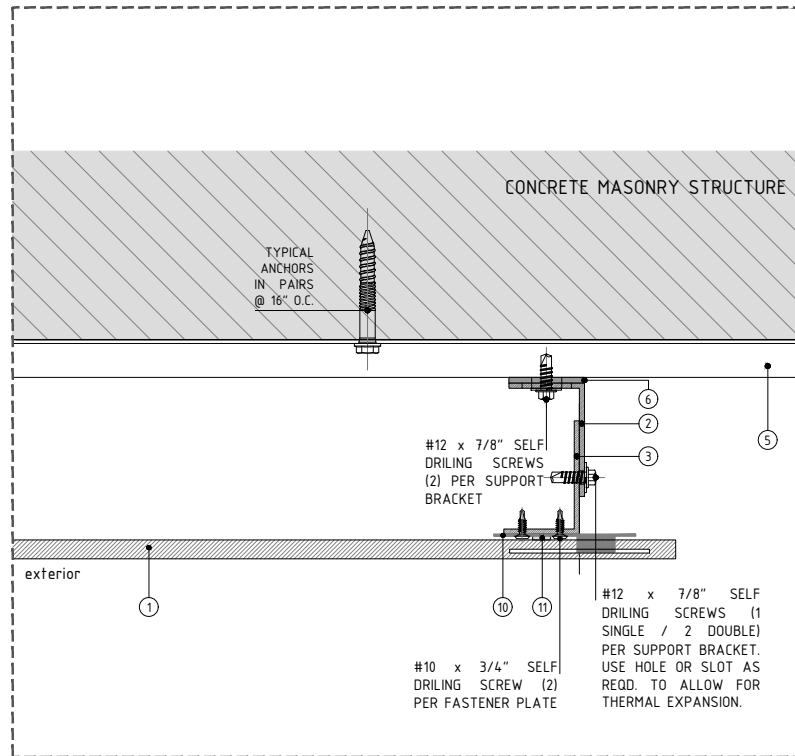
INSTALLATIONS AT MASONRY/CONC STRUCTURES



DETAIL A - TYPICAL HORIZONTAL DETAIL



DETAIL B - TYPICAL HORIZONTAL DETAIL



DETAIL C - TYPICAL ENDING HORIZONTAL DETAIL

LEGEND

- | | |
|---|-----------------------------------|
| 1. PORCELAIN PANEL BY PORCELANOSA GRUPO | 6. SINGLE/DOUBLE THERMAL ISOLATOR |
| 2. ALUMINUM SUPPORT BRACKET (SINGLE/DOUBLE)* | 7. CENTRAL FIXING PLATE |
| 3. POWDER COATED (BLACK) ALUMINUM L-PROFILE, 40x60x2.7MM (1 ⁵ / ₁₆ "x2 ³ / ₈ "x ¹ / ₈ "), 3M (118 ¹ / ₈ ") LONG | 8. LATERAL FIXING PLATE |
| 4. POWDER COATED (BLACK) ALUMINUM T-PROFILE, 100x60x2.7MM (3 ¹⁵ / ₁₆ "x2 ³ / ₈ "x ¹ / ₈ "), 3M (118 ¹ / ₈ ") LONG | 9. START/END FIXING PLATE |
| 5. ALUMINUM OMEGA PROFILE 20x140MM (1 ³ / ₁₆ "x5 ¹ / ₂ "); 3M(118 ¹ / ₈ ") LONG | 10. START/END HALF FIXING PLATE |
| | 11. P-404 WHITE POLYURETHENE |
| * NOTE 1
IF A GREATER SIZE SUPPORT BRACKET IS NEEDED IT HAS TO BE CALCULATED BY THE ENGINEER OF RECORD ON A PROJECT BY PROJECT BASIS | |

Sealed: 10/23/2023



TYPICAL ANCHORS:

1/4" DIA. ULTRACON BY "DEWALT"(Fu=164 KSI, Fy=148 KSI)

DIRECTLY INTO CONCRETE OR MASONRY
1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY
2-1/2" MIN. EDGE DISTANCE INTO CONCRETE
4" MIN. EDGE DISTANCE INTO MASONRY

CONCRETE f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCKS f'm = 2000 PSI MIN.

afc

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RAINSREEN VENTILATED FACADE SYSTEM (N.I.)

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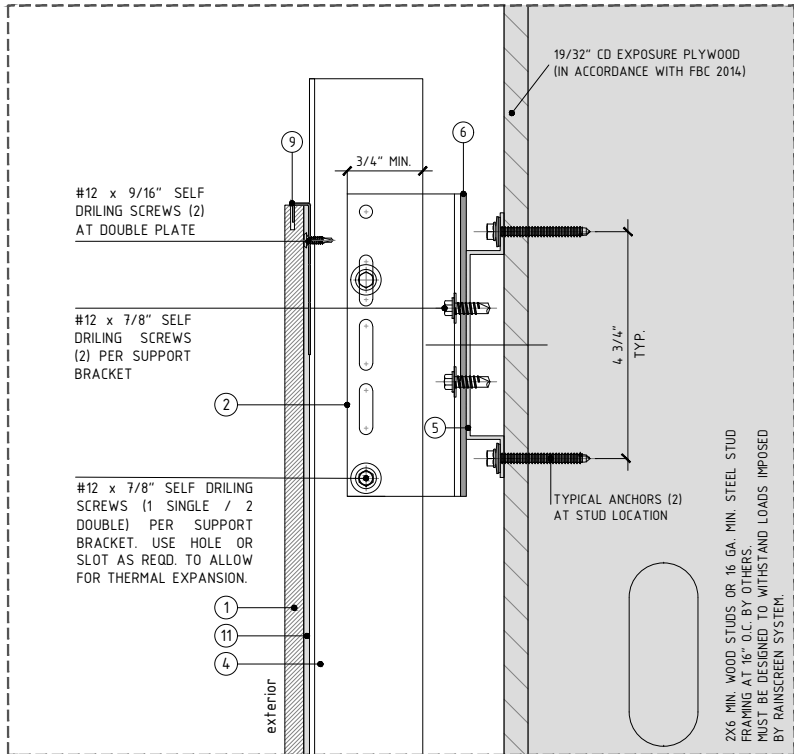
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chk. by:	

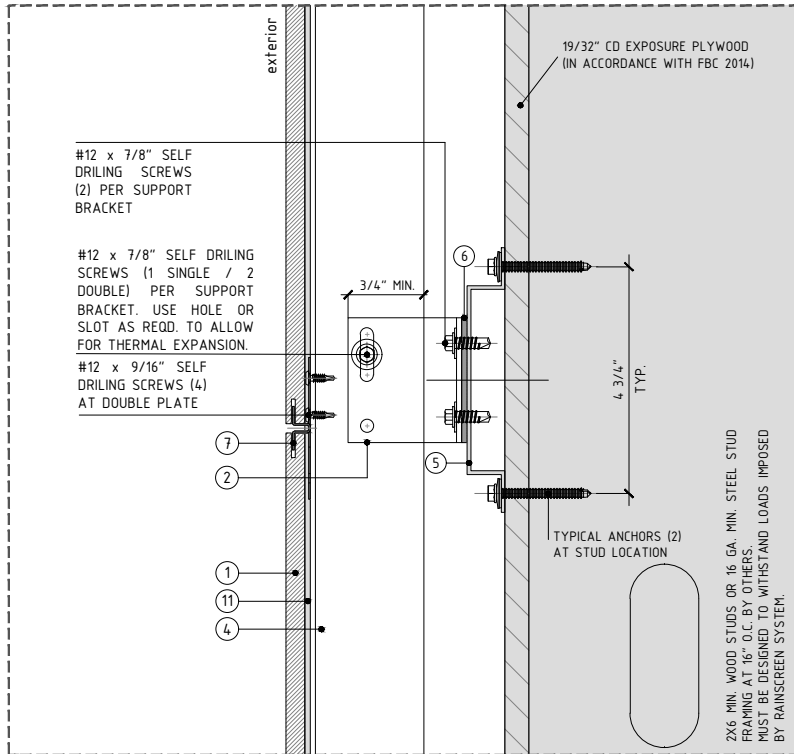
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sheet 4 of 7

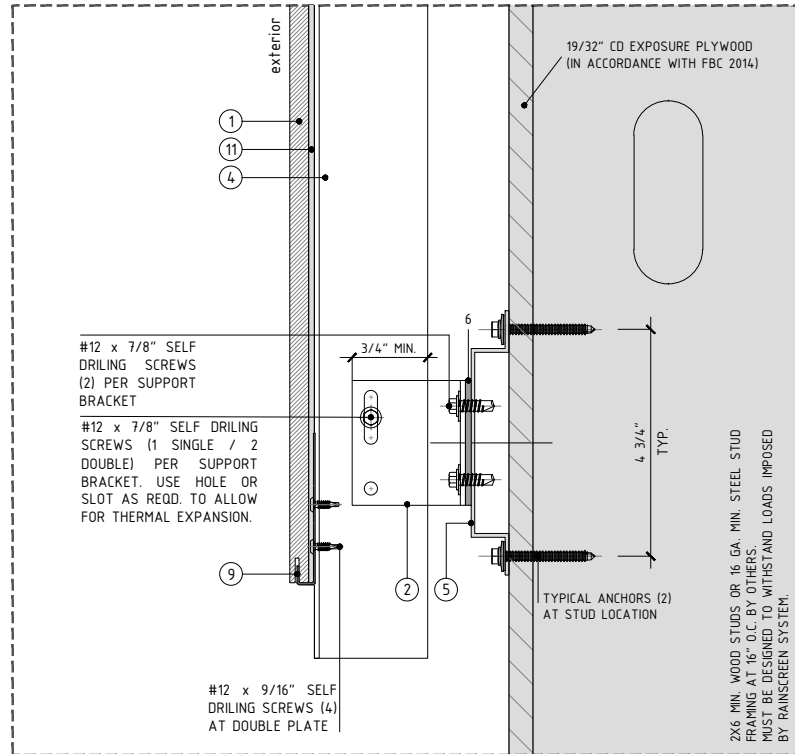
INSTALLATIONS AT STEEL/WOOD STUD FRAMING SYSTEM



DETAIL A - TYPICAL VERTICAL DETAIL @ TOP ENDING



DETAIL B - TYPICAL VERTICAL DETAIL



DETAIL C - TYPICAL VERTICAL DETAIL @ BOTTOM ENDING

LEGEND

- | | |
|--|-----------------------------------|
| 1. PORCELAIN PANEL BY PORCELANOSA GRUPO | 6. SINGLE/DOUBLE THERMAL ISOLATOR |
| 2. ALUMINUM SUPPORT BRACKET (SINGLE/DOUBLE)* | 7. CENTRAL FIXING PLATE |
| 3. POWDER COATED (BLACK) ALUMINUM L-PROFILE, 40x60x2.7MM (1 5/16" x 2 3/8" x 1/8"), 3M (118 1/8") LONG | 8. LATERAL FIXING PLATE |
| 4. POWDER COATED (BLACK) ALUMINUM T-PROFILE, 100x60x2.7MM (3 15/16" x 2 3/8" x 1/8"), 3M (118 1/8") LONG | 9. START/END FIXING PLATE |
| 5. ALUMINUM OMEGA PROFILE 20x140MM (13/16" x 5 1/2"); 3M(118 1/8") LONG | 10. START/END HALF FIXING PLATE |
| | 11. P-404 WHITE POLYURETHENE |
- * NOTE 1
IF A GREATER SIZE SUPPORT BRACKET IS NEEDED IT HAS TO BE CALCULATED BY THE ENGINEER OF RECORD ON A PROJECT BY PROJECT BASIS

Sealed: 10/23/2023



TYPICAL ANCHORS:

1/4" DIA. X 2" S-MD53S SS
SELF DRILLING SCREWS WITH WASHER BY 'HILTI'

INTO 16 GA. MIN. METAL STUDS
1/2" MIN. EDGE DISTANCE

1/4" DIA. ULTRACON BY "DEWALT"(Fu=164 KSI, Fy=148 KSI)

INTO 2X6 MIN. WOOD STUDS
1-1/4" MIN. PENETRATION INTO WOOD
1" MIN. EDGE DISTANCE
WOOD S.G. = 0.55 MIN.

afc

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RAINSCREEN VENTILATED FACADE SYSTEM (N.I.)

PORCELANOSA

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FAX. (305) 715-9635

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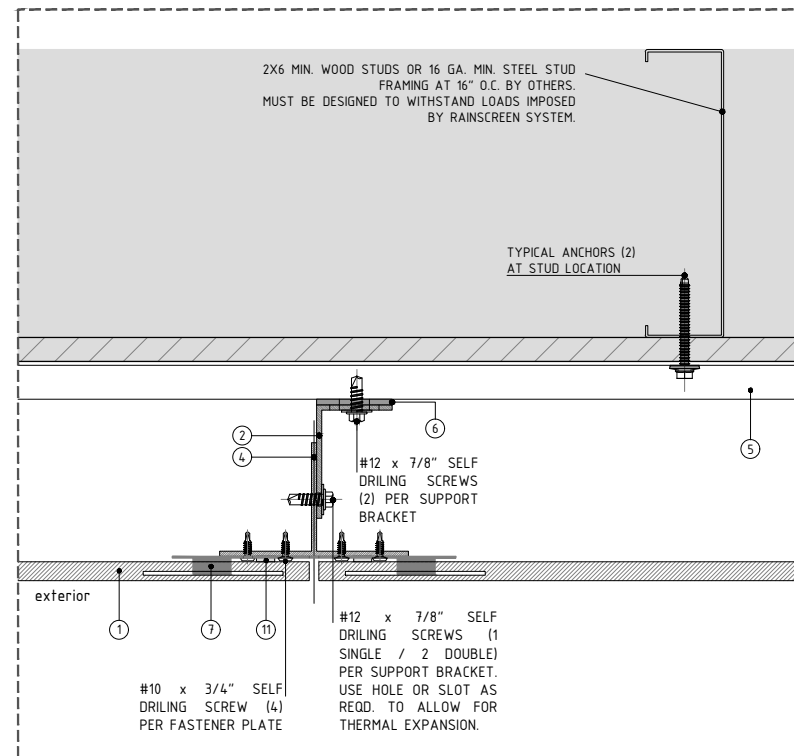
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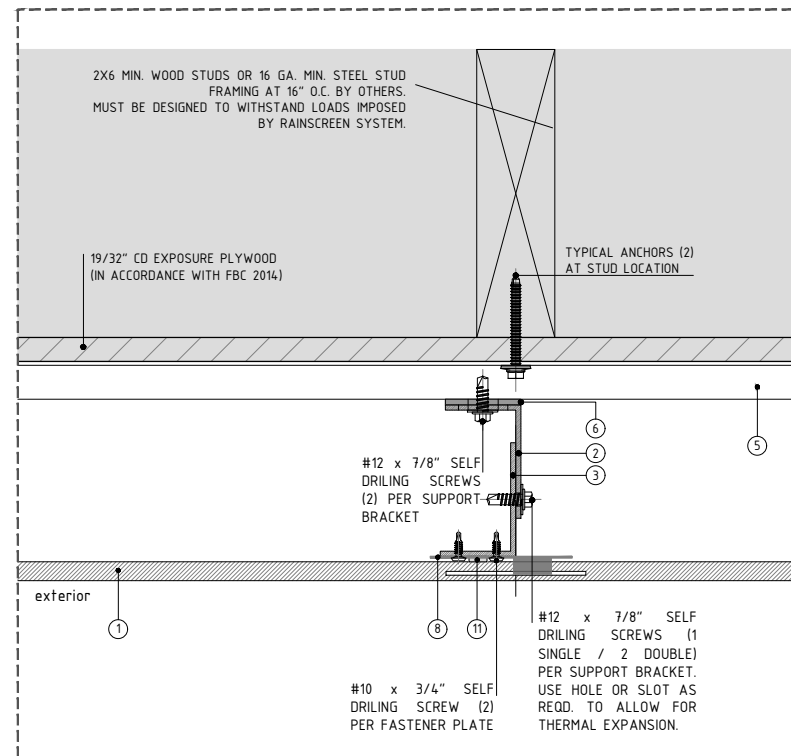
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RAINSCREEN\16-09PLA

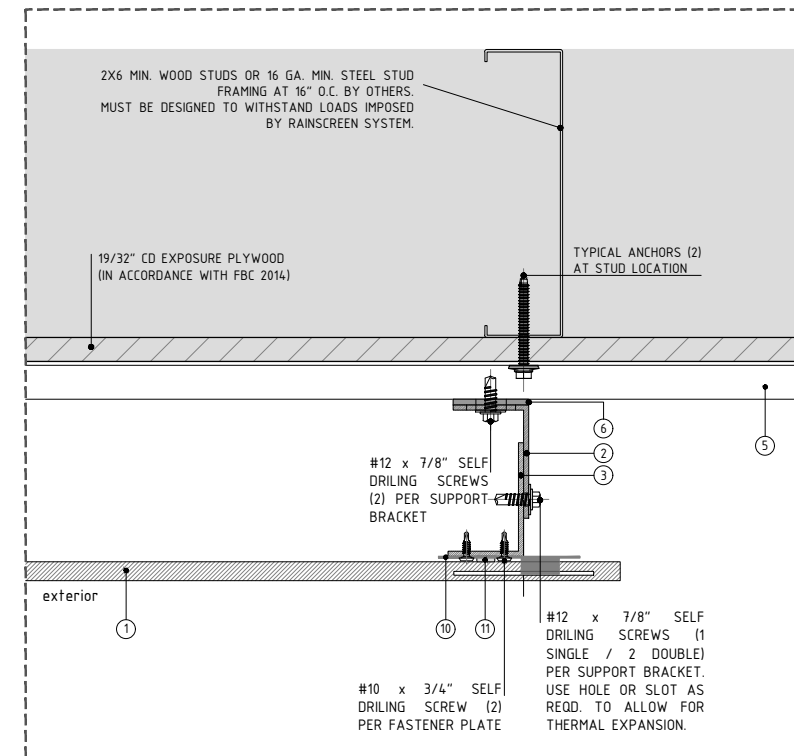
INSTALLATIONS AT STEEL/WOOD STUD FRAMING SYSTEM



DETAIL A - TYPICAL HORIZONTAL DETAIL



DETAIL B - TYPICAL HORIZONTAL DETAIL



DETAIL C - TYPICAL ENDING HORIZONTAL DETAIL

LEGEND

- | | | | |
|----|---|-----|--------------------------------|
| 1. | PORCELAIN PANEL BY PORCELANOSA GRUPO | 6. | SINGLE/DOUBLE THERMAL ISOLATOR |
| 2. | ALUMINUM SUPPORT BRACKET (SINGLE/DOUBLE)* | 7. | CENTRAL FIXING PLATE |
| 3. | POWDER COATED (BLACK) ALUMINUM L-PROFILE, 40x60x2.7MM (1 $\frac{3}{16}$ "x2 $\frac{3}{8}$ "x $\frac{1}{8}$ "), 3M (118 $\frac{1}{8}$ ") LONG | 8. | LATERAL FIXING PLATE |
| 4. | POWDER COATED (BLACK) ALUMINUM T-PROFILE, 100x60x2.7MM (3 $\frac{1}{16}$ "x2 $\frac{3}{8}$ "x $\frac{1}{8}$ "), 3M (118 $\frac{1}{8}$ ") LONG | 9. | START/END FIXING PLATE |
| 5. | ALUMINUM OMEGA PROFILE 20x140MM (3 $\frac{3}{16}$ "x5 $\frac{1}{2}$ "); 3M(118 $\frac{1}{8}$ ") LONG | 10. | START/END HALF FIXING PLATE |
| | | 11. | P-404 WHITE POLYURETHENE |
- * NOTE 1
IF A GREATER SIZE SUPPORT BRACKET IS NEEDED IT HAS TO BE CALCULATED BY THE ENGINEER OF RECORD ON A PROJECT BY PROJECT BASIS

* NOTE 1
IF A GREATER SIZE SUPPORT BRACKET IS
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THE ENGINEER OF RECORD ON A PROJECT
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Sealed: 10/23/2023



TYPICAL ANCHORS:

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1/2" MIN. EDGE DISTANCE

1/4" DIA. ULTRACON BY "DEWALT"(Fu=164 KSI, Fy=148 KSI)

INTO 2X6 MIN. WOOD STUDS
 1-1/4" MIN. PENETRATION INTO WOOD
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 WOOD S.G. = 0.55 MIN.

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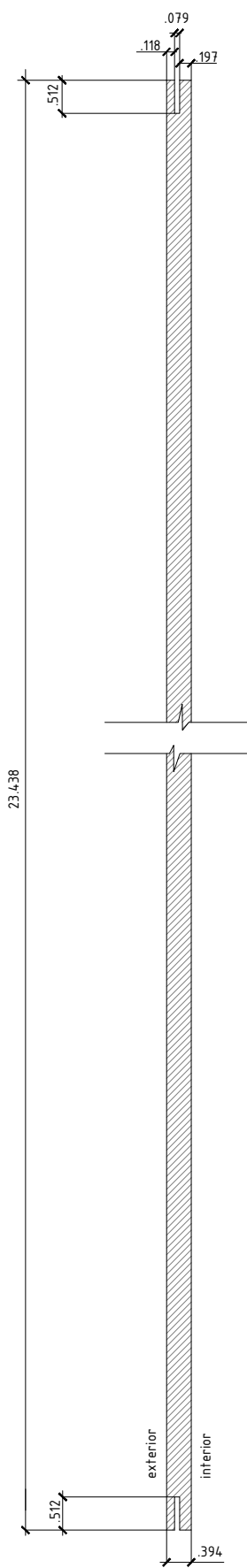
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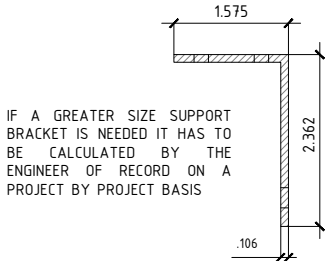
TEL. (305) 715-7153

RAINSCREEN\16-09PLA

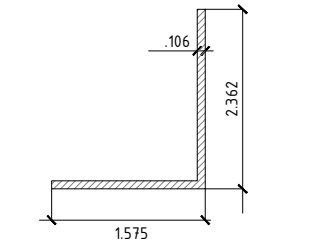
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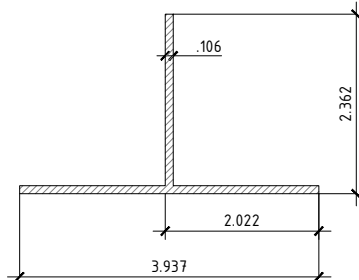
1 PORCELAIN PANEL BY PORCELANOSA GRUPO



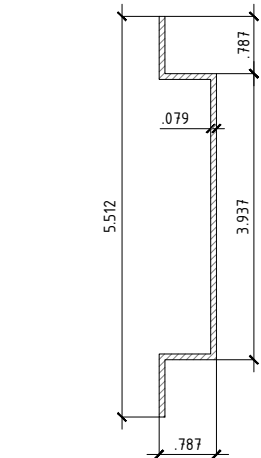
2 SUPPORT BRACKET



3 L-PROFILE

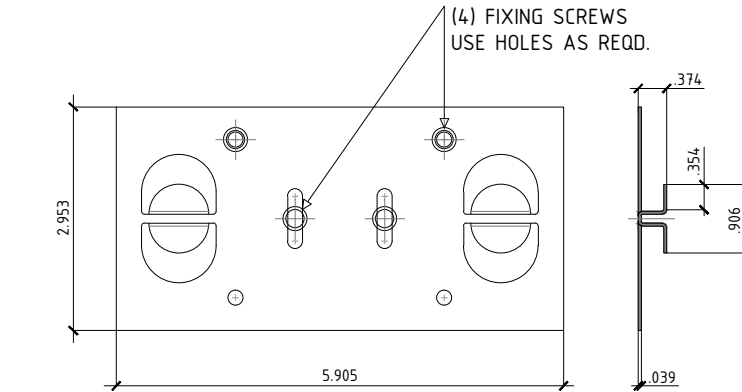


4 T-PROFILE

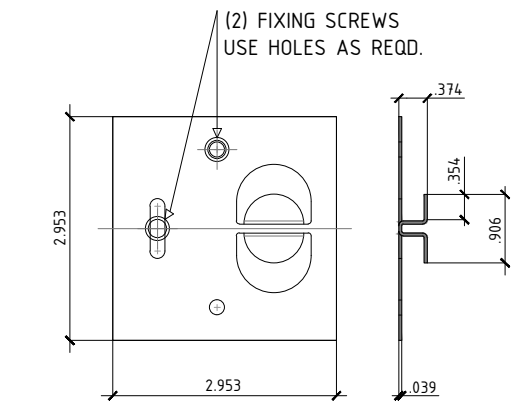


5 OMEGA-PROFILE

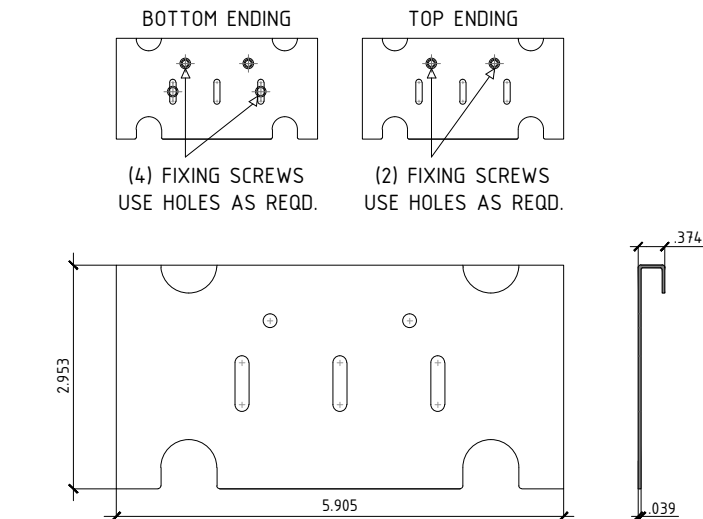
ITEM NO.	WEIGHT	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	5 Lbs/Sq. Ft.	AS REQD.	PORCELAIN PANEL	PORCELAIN	-
2	-	AS REQD.	SUPPORT BRACKET	6005A-T6	-
3	-	AS REQD.	L-PROFILE	6063-T6	-
4	-	AS REQD.	T-PROFILE	6063-T6	-
5	-	AS REQD.	OMEGA PROFILE	6063-T6	-
6	-	AS REQD.	SINGLE/DOUBLE THERMAL ISOLATOR	PLASTIC	-
7	-	AS REQD.	CENTRAL FIXING PLATE	ST. STEEL	-
8	-	AS REQD.	LATERAL FIXING PLATE	ST. STEEL	-
9	-	AS REQD.	START END FIXING PLATE	ST. STEEL	-
10	-	AS REQD.	START/END HALF FIXING PLATE	ST. STEEL	-
11	-	AS REQD.	P-404 WHITE POLYURETHENE	SILICONE	-



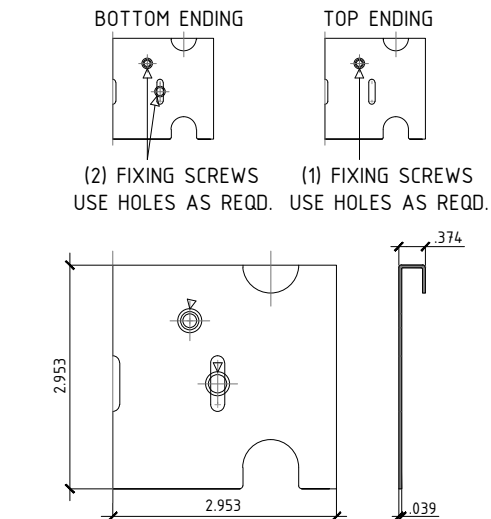
7 CENTRAL FIXING PLATE



8 LATERAL FIXING PLATE



9 CENTRAL FIXING PLATE



10 LATERAL FIXING PLATE

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sheet 7 of 7