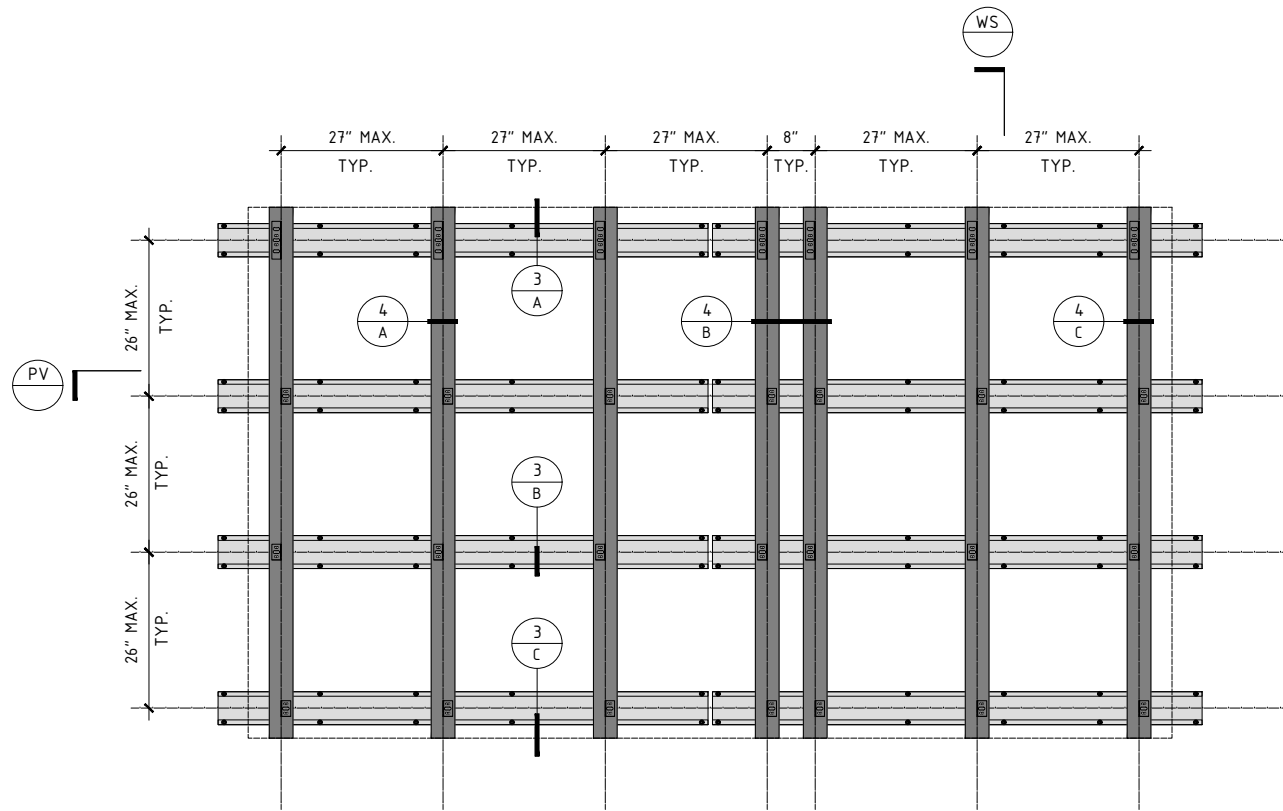
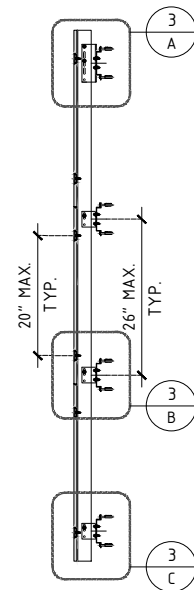
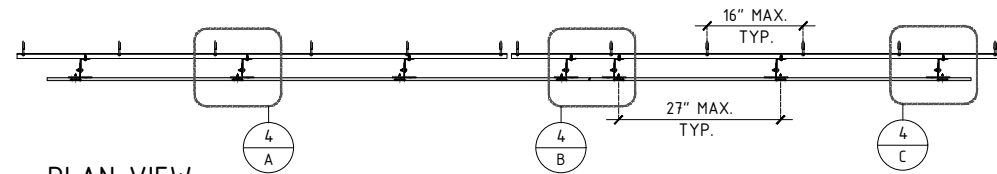




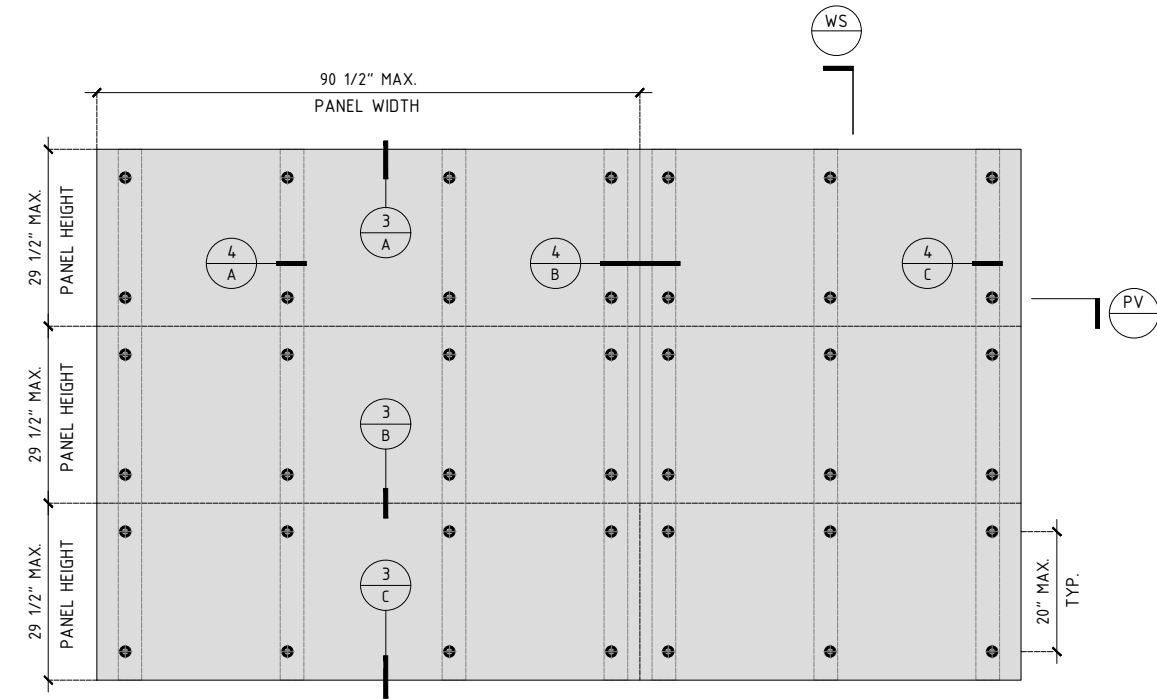
SUBSTRUCTURE LAYOUT



WALL
SECTION



PLAN VIEW



KRION LAYOUT

TYPICAL ELEVATION

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

KRION[®] SS RAINSCREEN/VENTILATED FACADE SYSTEM

KRION SS PANELS ANCHORED TO SHEAR WALLS AS
EXTERIOR CLADDING.

APPROVAL APPLIES TO MULTIPLE UNIT INSTALLATIONS

MAX. DESIGN LOAD = + 70 PSF
- 70 PSF

MIN. PANEL THICKNESS = 1/2 IN.
MAX. PANEL SIZE= 29-1/2" HIGH X 90-1/2" 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 CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND
INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED 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 & ADOPTED STANDARDS.

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- 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.

B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF
ALTERED BY ANY MEANS.

C- 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.

D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF
THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

Sealed: 10/20/2023



af c
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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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KRION[®] RAINSCREEN FACADE SYSTEM
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8700 N.W. 13th Terrace
Miami, FL 33172
TEL. (305) 715-7153 FAX. (305) 715-9635

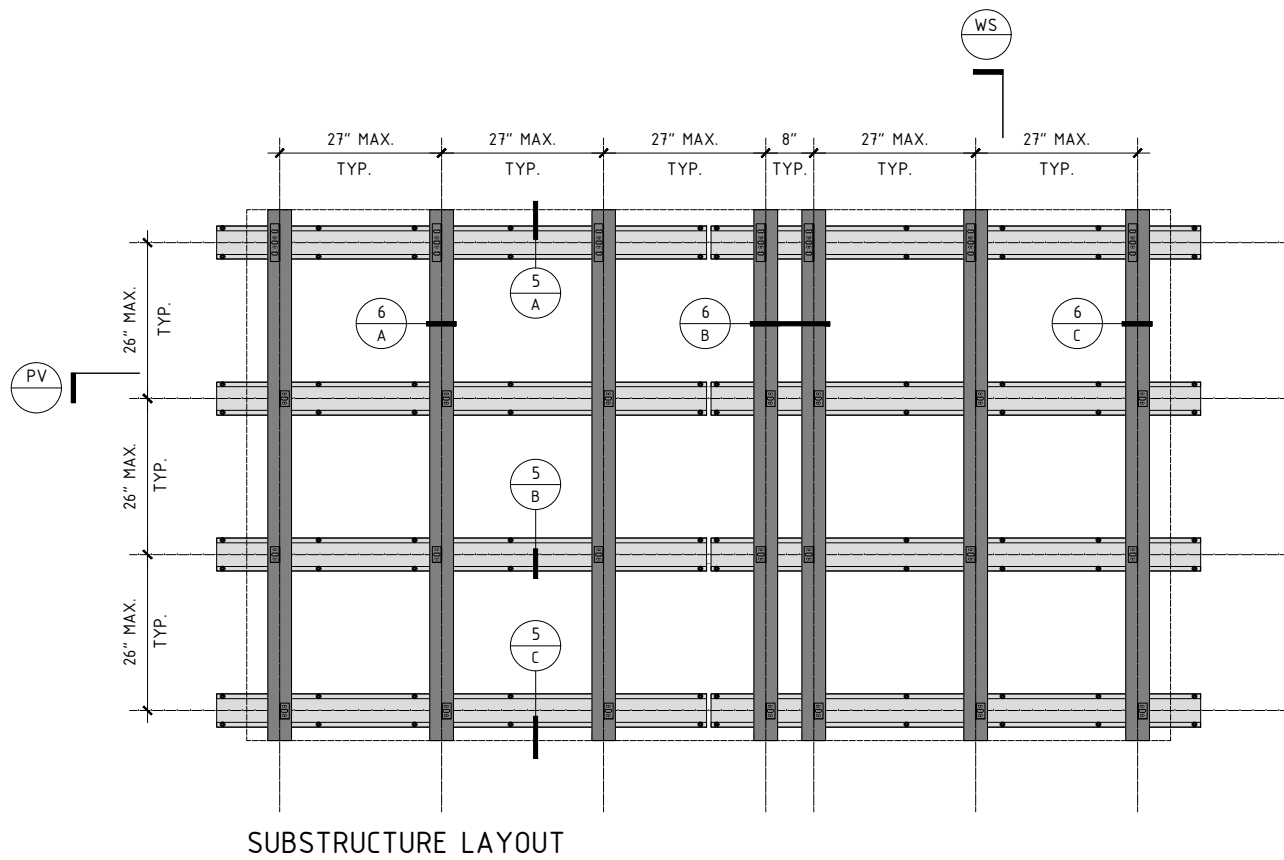
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	2	210609		UPDATED TO 2020 FBC
	3	231020		UPDATED TO 2023 FBC

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dr. by:	JCS
chk. by:	

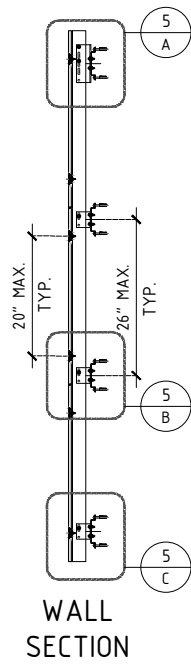
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16-09

sheet 1 of 7

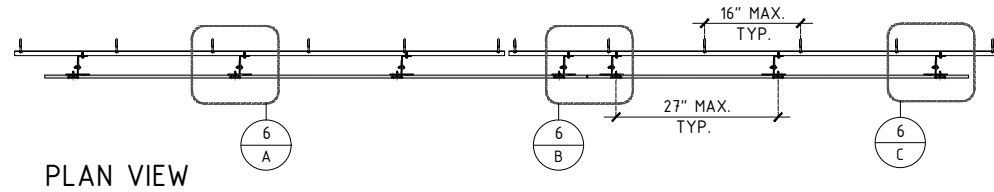
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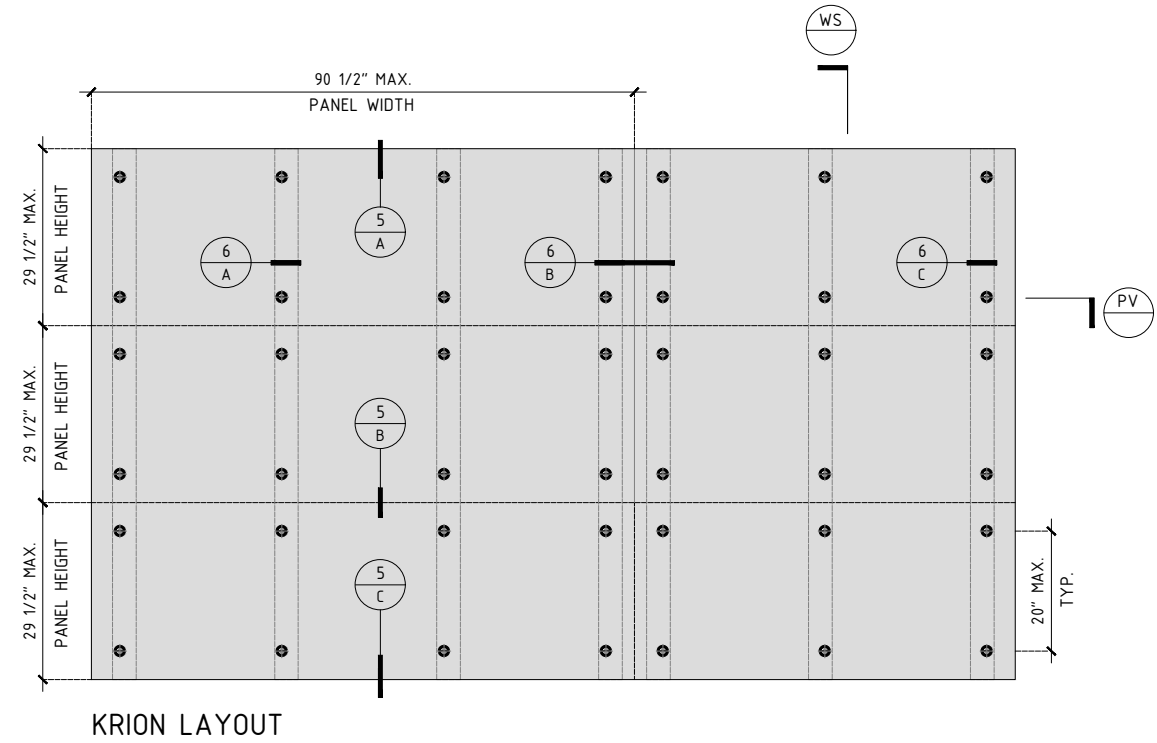
SUBSTRUCTURE LAYOUT



WALL
SECTION



PLAN VIEW



KRION LAYOUT

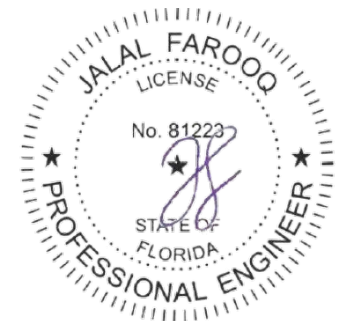
TYPICAL ELEVATION

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.

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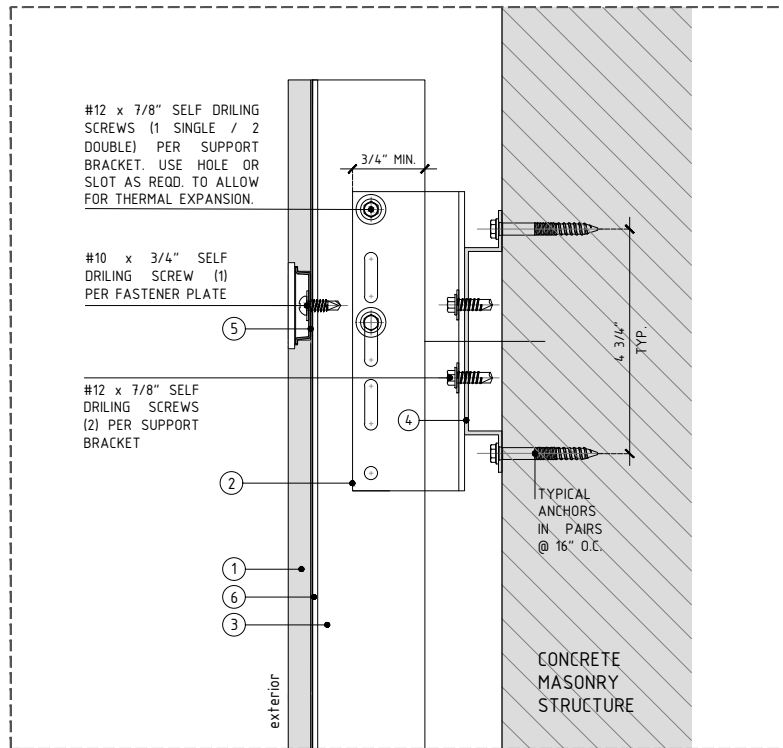
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173 (C.A.N. 3538)
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KRION RAINSCREEN FACADE SYSTEM

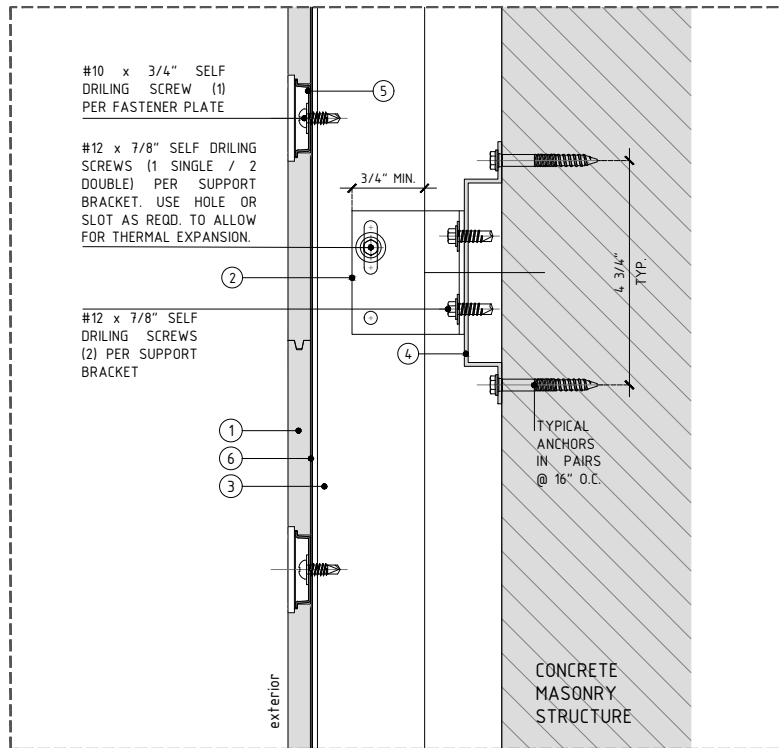
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8700 N.W. 13th Terrace
Miami, FL 33172
TEL. (305) 745-7453 FAX. (305) 745-9635

date: 12-01-16	revisions:		1	181214	2017	FBC REVISION
	scale: 3/8"=1'-0"		2	210609		UPDATED TO 2020 FBC
	dr. by: JCS		3	231020		UPDATED TO 2023 FBC
drawing no.		16-09				
sheet		2 of 7				

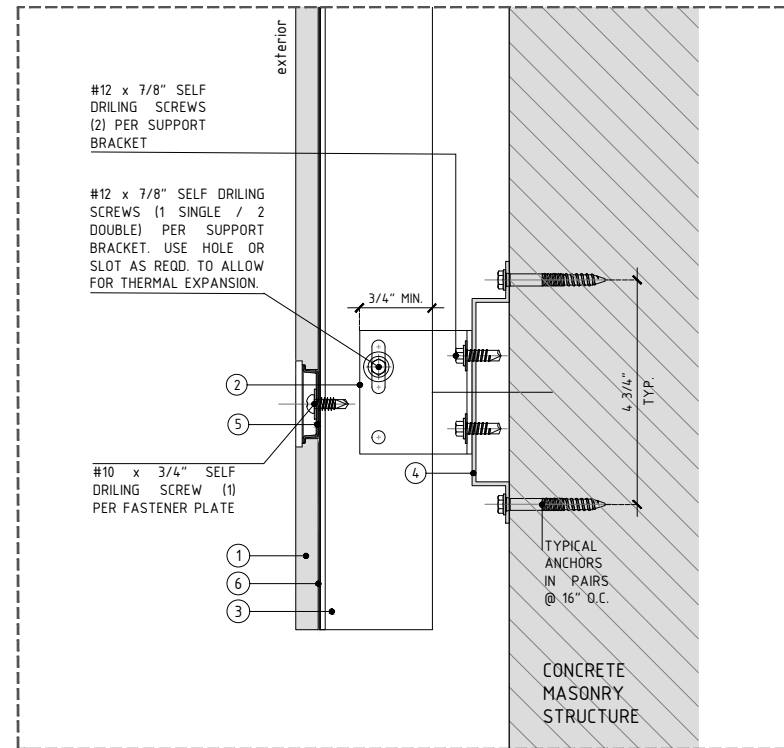
INSTALLATIONS AT MASONRY/CONC STRUCTURES



DETAIL A - TYPICAL VERTICAL DETAIL @ TOP ENDING



DETAIL B - TYPICAL VERTICAL DETAIL



DETAIL C - TYPICAL VERTICAL DETAIL @ BOTTOM ENDING

LEGEND

- KRION SOLID SURFACE PANEL
 - ALUMINUM SUPPORT BRACKET (SINGLE/DOUBLE)*
 - POWDER COATED (BLACK) ALUMINUM T-PROFILE, 100x60x2.7MM (3 15/16"x2 3/8"x1/8"), 3M (118 1/8") LONG
 - ALUMINUM OMEGA PROFILE 20x14.0MM (13/16"x5 1/2"); 3M (118 1/8") LONG
 - FASTENER PLATE SECRET FIXED AND SEAMLESS FIXING SYSTEM FROM THE OUTSIDE COMPOSED OF K-FIX 41SS STAINLESS STEEL METAL
 - WHITE POLYURETHENE MASTIC-P-404
- * 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



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.

af c

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date: 12-01-16	scale: 3" = 1"	dr. by: JCS	chk. by:
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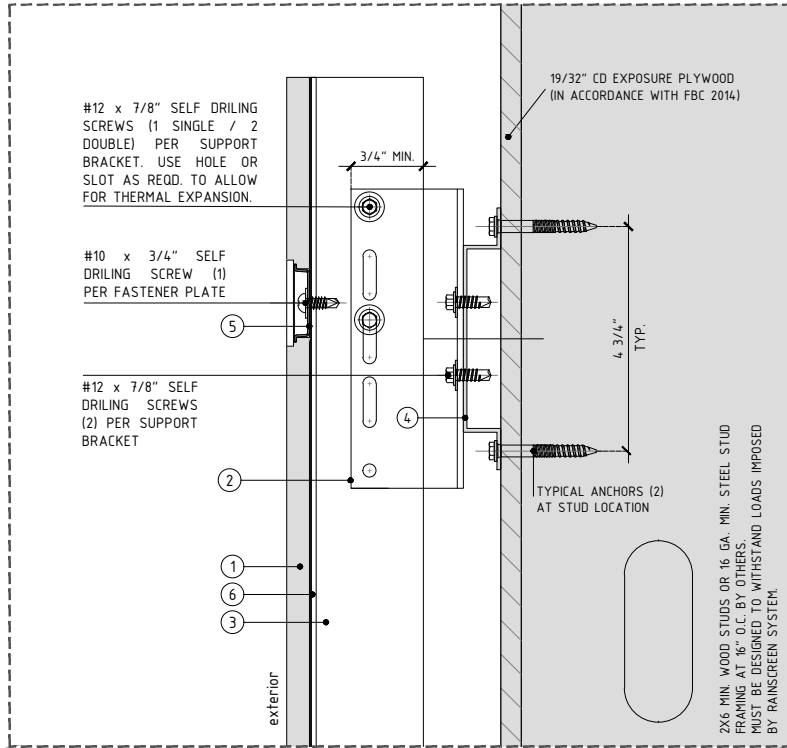
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sheet 3 of 7

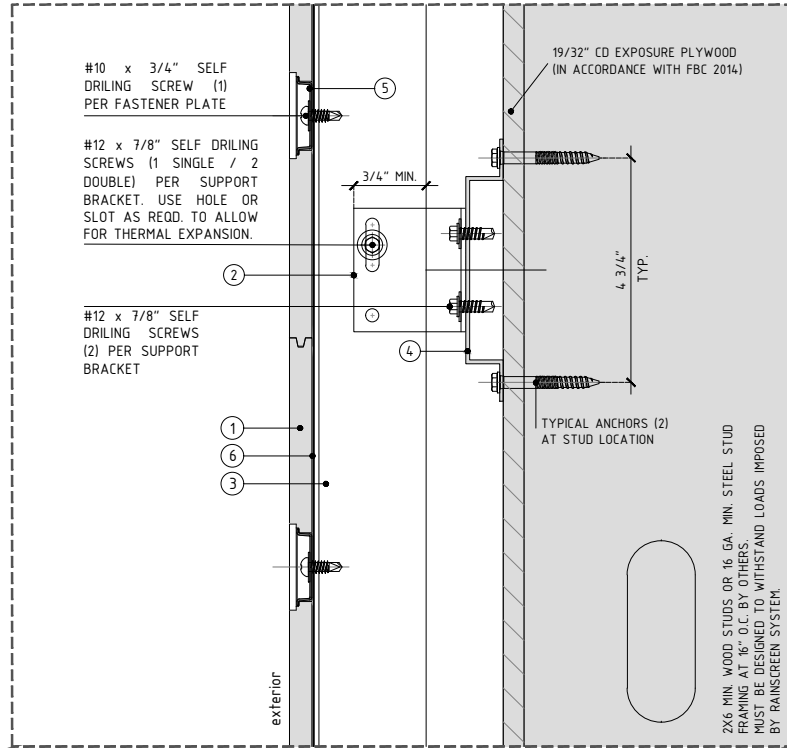
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Sealed: 10/20/2023

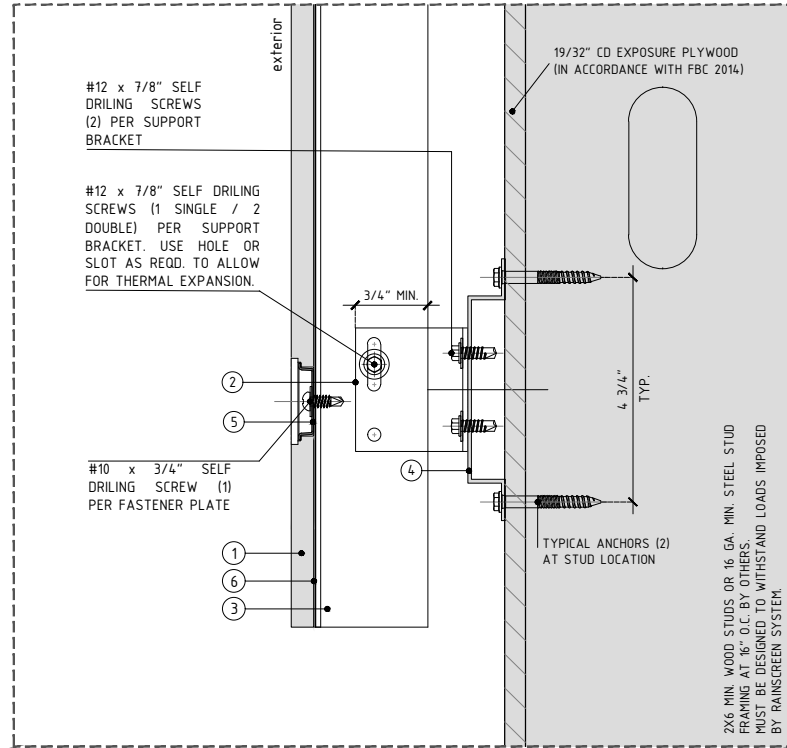
INSTALLATIONS AT STEEL/WOOD STUD FRAMING SYSTEM



DETAIL A - TYPICAL VERTICAL DETAIL @ TOP ENDING



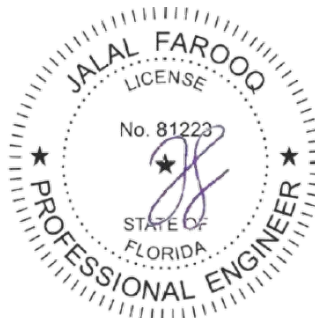
DETAIL B - TYPICAL VERTICAL DETAIL



DETAIL C - TYPICAL VERTICAL DETAIL @ BOTTOM ENDING

LEGEND

1. KRION SOLID SURFACE PANEL
 2. ALUMINUM SUPPORT BRACKET (SINGLE/DOUBLE)*
 3. POWDER COATED (BLACK) ALUMINUM T-PROFILE, 100x60x2.7MM (3 15/16" x 2 3/8" x 3/8"), 3M (118 1/8") LONG
 4. ALUMINUM OMEGA PROFILE 20x140MM (1 1/8" x 5 1/2"); 3M (118 1/8") LONG
 5. FASTENER PLATE SECRET FIXED AND SEAMLESS FIXING SYSTEM FROM THE OUTSIDE COMPOSED OF K-FIX 41SS STAINLESS STEEL METAL
 6. WHITE POLYURETHENE MASTIC-P-404
- * 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: 10/20/2023

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. ULTRAACON 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.

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dr. by:	JCS
chk. by:	

drawing no.

16-09

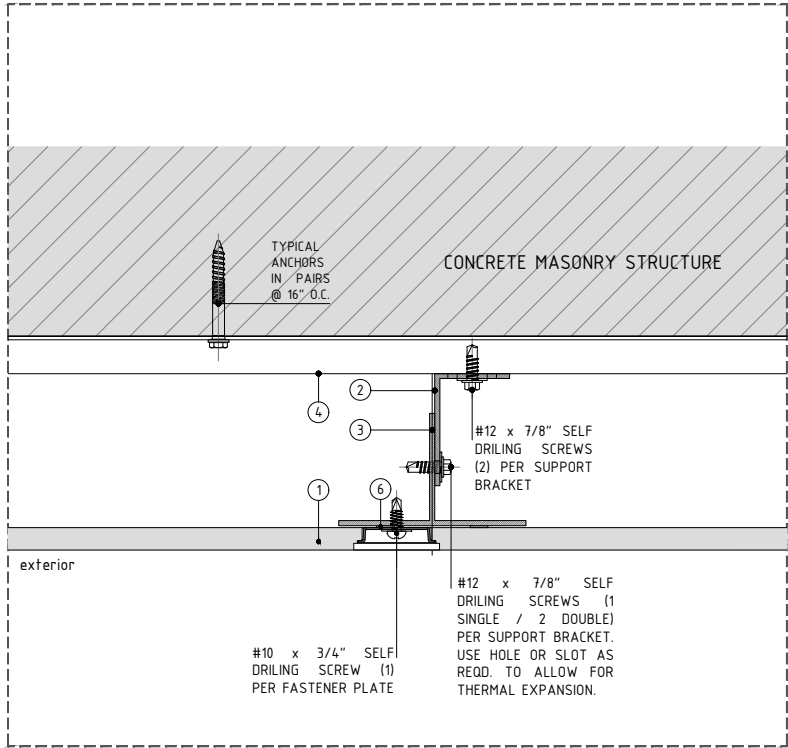
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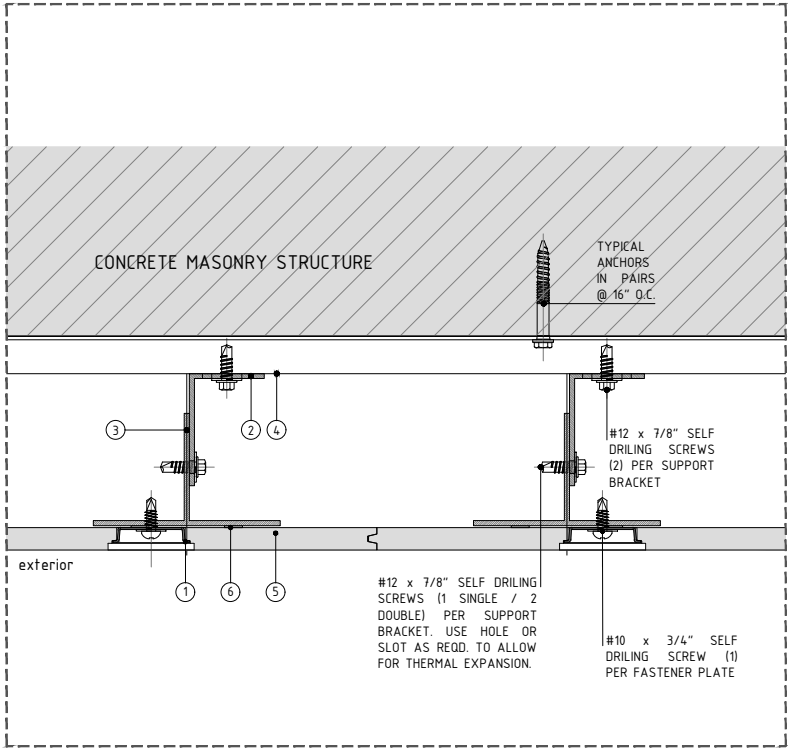
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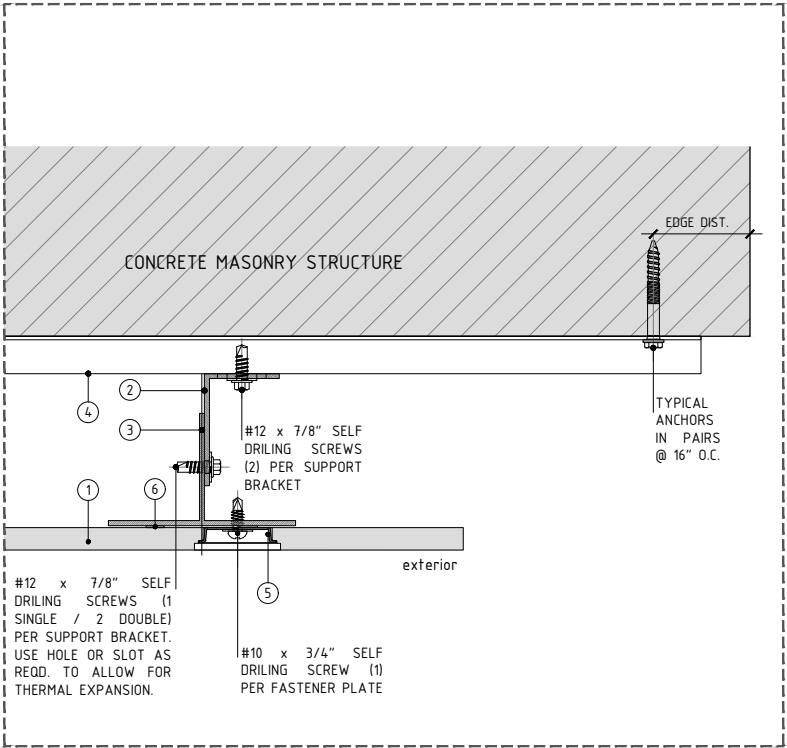
INSTALLATIONS AT MASONRY/CONC STRUCTURES



DETAIL A - TYPICAL HORIZONTAL DETAIL



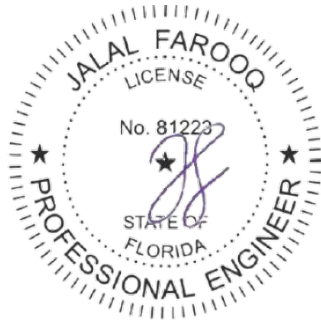
DETAIL B - TYPICAL VERTICAL JOINT DETAIL



DETAIL C - TYPICAL ENDING HORIZONTAL DETAIL

LEGEND

- | | |
|---|---|
| 1. KRION SOLID SURFACE PANEL | 5. FASTENER PLATE SECRET FIXED AND SEAMLESS FIXING SYSTEM FROM THE OUTSIDE COMPOSED OF K-FIX 41SS STAINLESS STEEL METAL |
| 2. ALUMINUM SUPPORT BRACKET (SINGLE/DOUBLE)* | 6. WHITE POLYURETHENE MASTIC-P-404 |
| 3. POWDER COATED (BLACK) ALUMINUM T-PROFILE, 100x60x2.7MM (3 ¹⁵ / ₁₆ "x2 ³ / ₈ "x ¹ / ₈ "), 3M (118 ¹ / ₈ ") LONG | * 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 |
| 4. ALUMINUM OMEGA PROFILE 20x140MM (1 ³ / ₈ "x5 ¹ / ₂ "); 3M(118 ¹ / ₈ ") LONG | |



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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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KRION® RAINSCREEN FACADE SYSTEM

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date: 12-01-16

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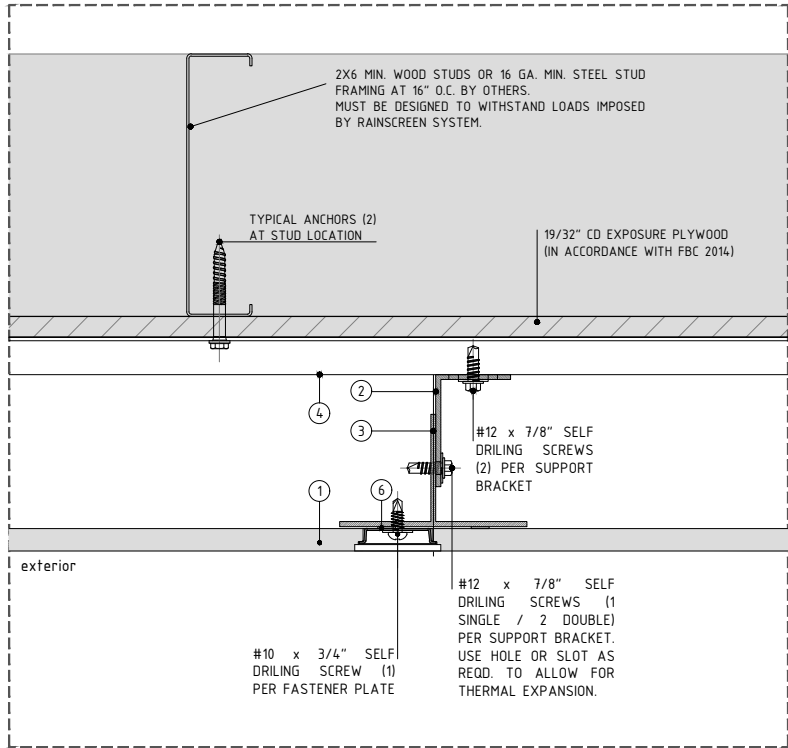
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chk. by:

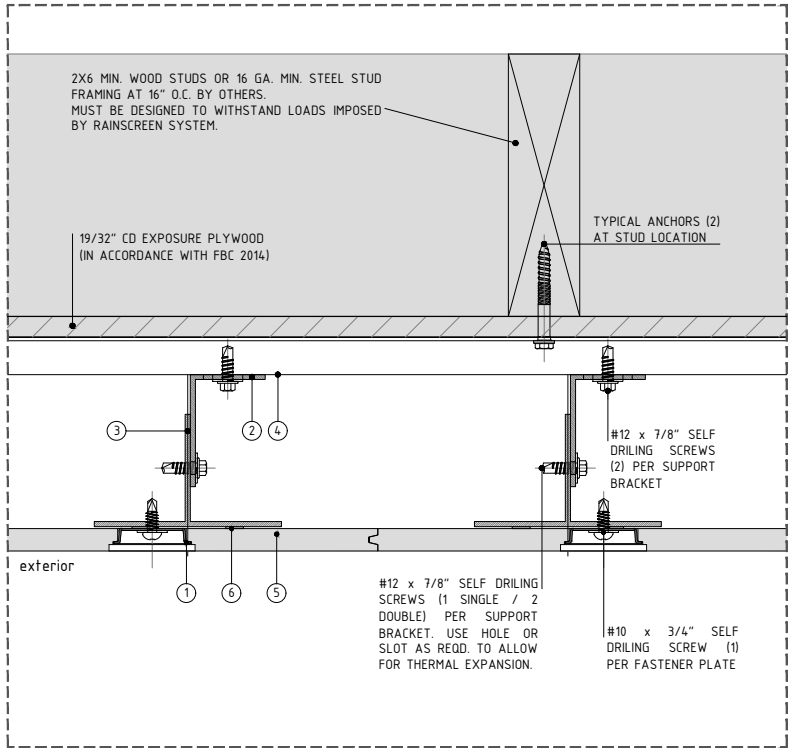
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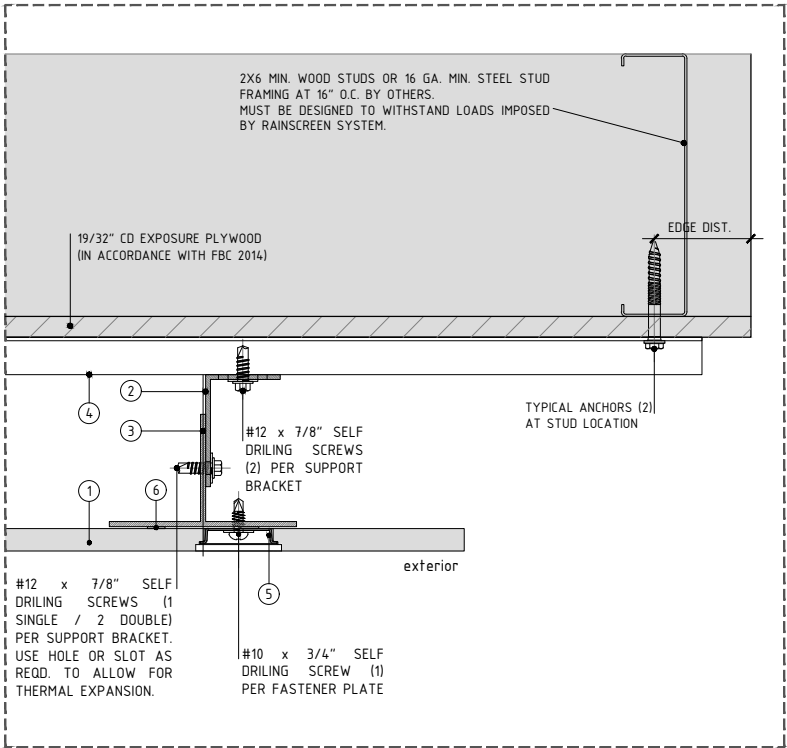
sheet 4 of 7



DETAIL A - TYPICAL HORIZONTAL DETAIL



DETAIL B - TYPICAL VERTICAL JOINT DETAIL



DETAIL C - TYPICAL ENDING HORIZONTAL DETAIL

LEGEND

- | | |
|--|---|
| 1. KRION SOLID SURFACE PANEL | 5. FASTENER PLATE SECRET FIXED AND SEAMLESS FIXING SYSTEM FROM THE OUTSIDE COMPOSED OF K-FIX 41SS STAINLESS STEEL METAL |
| 2. ALUMINUM SUPPORT BRACKET (SINGLE/DOUBLE)* | 6. WHITE POLYURETHENE MASTIC-P-404 |
| 3. POWDER COATED (BLACK) ALUMINUM T-PROFILE, 100x60x2.7MM (3 ¹⁵ / ₁₆ "x2 ³ / ₈ "x ¹ / ₈ "), 3M (118 ¹ / ₈ ") LONG | * 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 |
| 4. ALUMINUM OMEGA PROFILE 20x140MM (1 ³ / ₈ "x5 ¹ / ₂ "); 3M(118 ¹ / ₈ ") LONG | |

Sealed: 10/20/2023



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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KRION® RAINSCREEN FACADE SYSTEM

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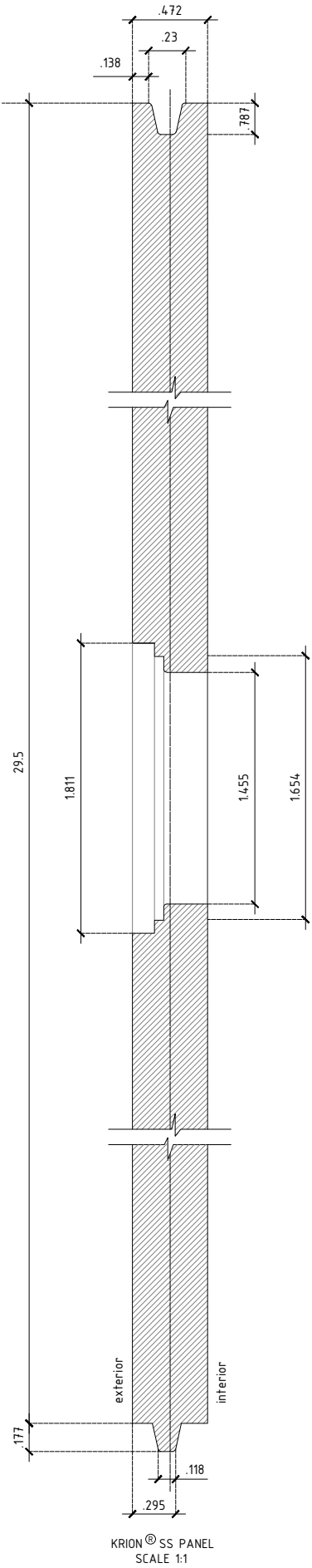
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dr. by:	JCS
chk. by:	

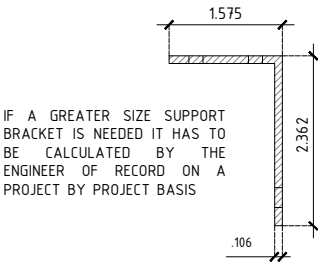
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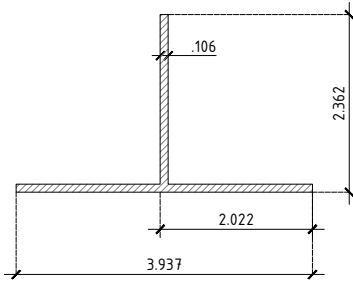
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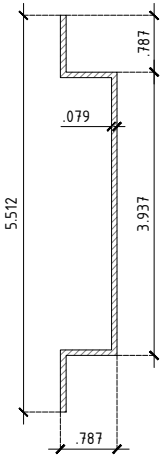
1 COMPACT ALUMINA MATERIAL MADE OF ALUMINA POWDER AND HIGH PERFORMANCE RESINS.



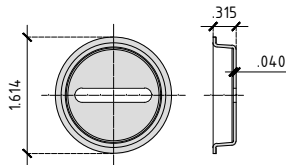
2 SUPPORT BRACKET



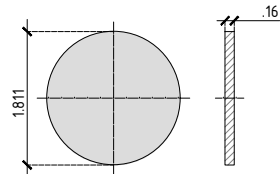
3 T-PROFILE



4 OMEGA-PROFILE



5 FASTENER PLATE



7 KRION CAP (OPTIONAL)

ITEM NO.	WEIGHT	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	4.47 Lbs/Sq. Ft.	AS REQD.	KRION SS PANEL	-	-
2	-	AS REQD.	SUPPORT BRACKET	6005A-T6	-
3	-	AS REQD.	T-PROFILE	6063-T6	-
4	-	AS REQD.	OMEGA PROFILE	6063-T6	-
5	-	AS REQD.	FASTENER PLATE	ST. STEEL	-
6	-	AS REQD.	P-404 WHITE POLYURETHENE	SILICONE	-
7	-	AS REQD.	KRION CAP	-	-

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scale:	NTS
dr. by:	JCS
chk. by:	

drawing no.
16-09

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