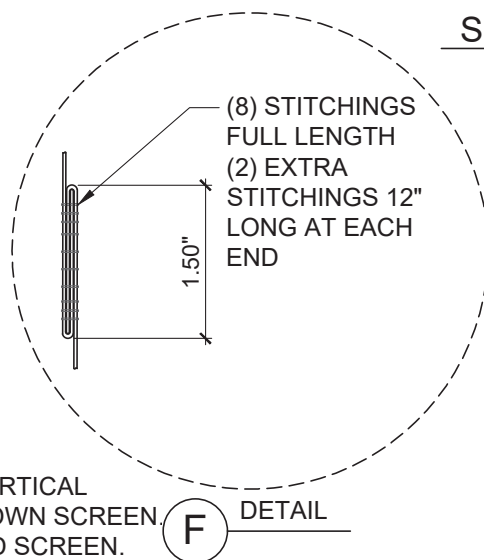
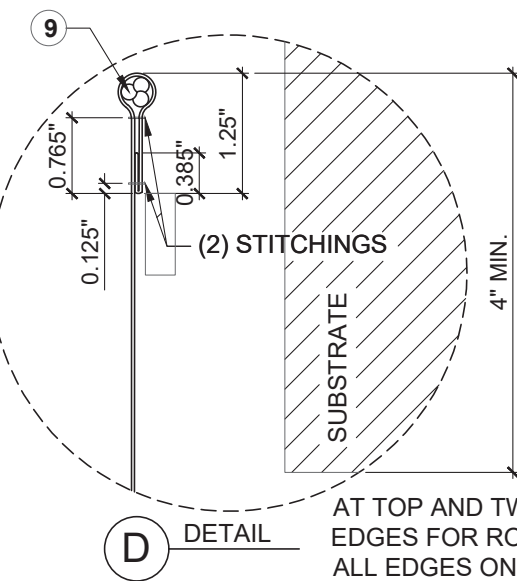
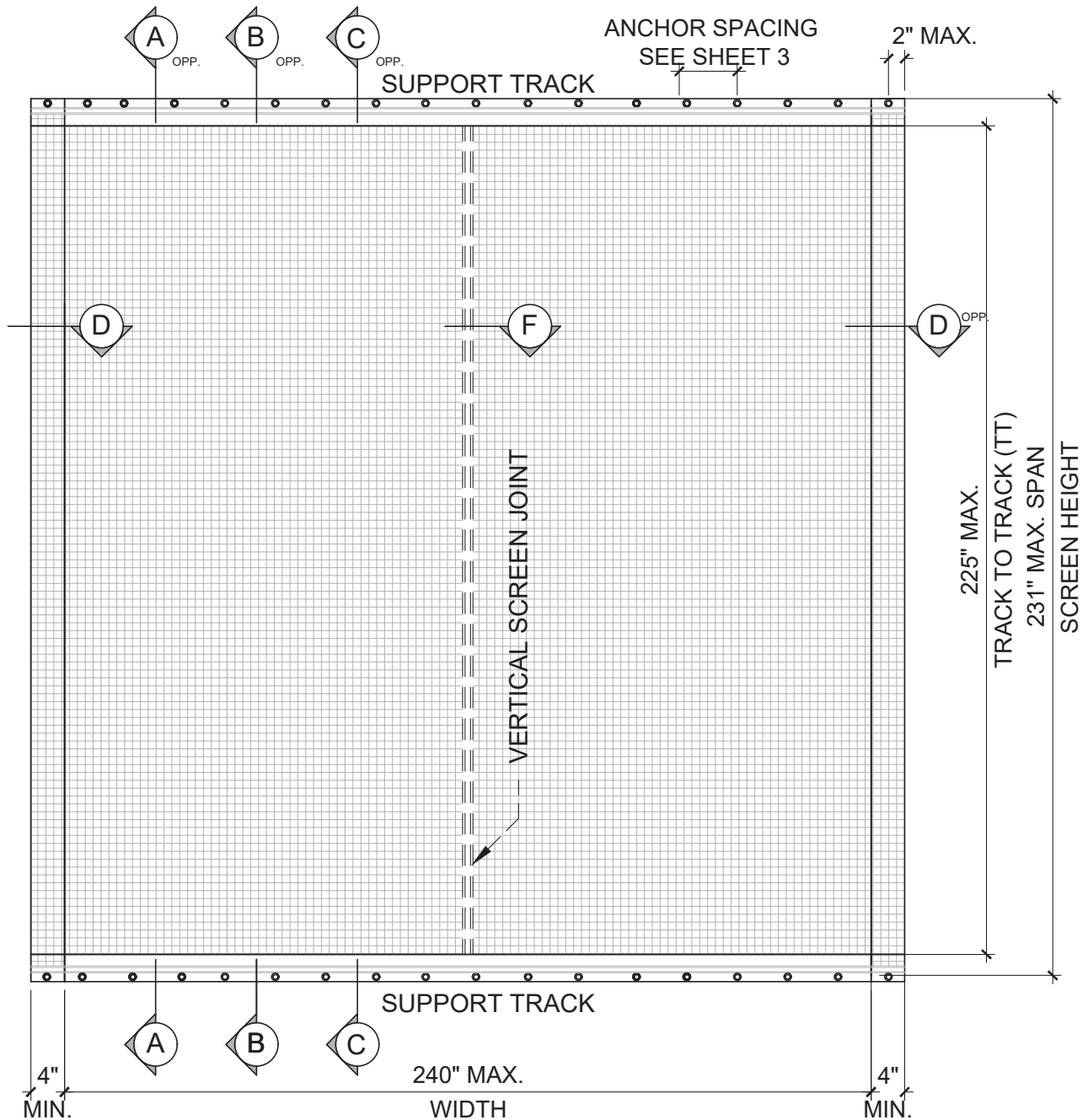
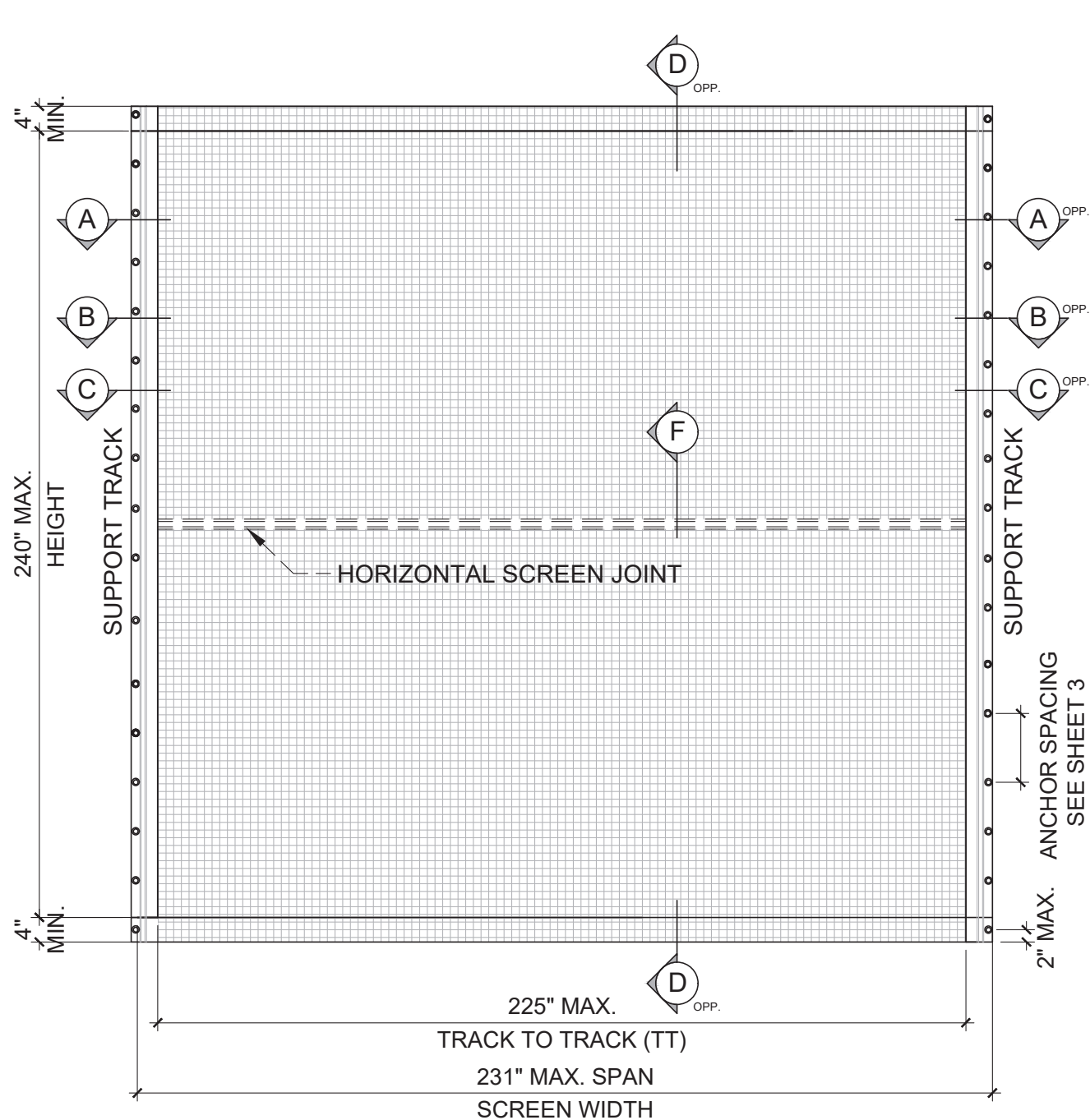
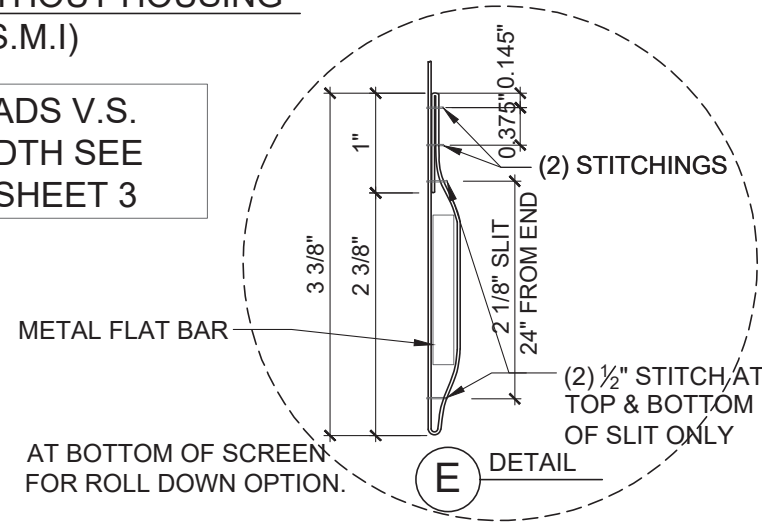


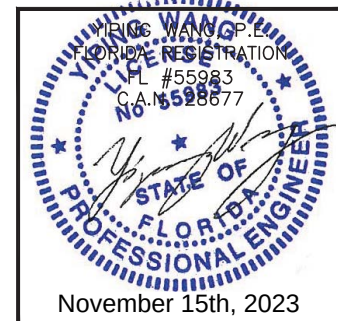


PERFECT STORM SCREEN FIXED
SCREEN SYSTEM WITHOUT HOUSING
(L.M.I. & S.M.I)

DESIGN LOADS V.S.
SCREEN WIDTH SEE
CHART ON SHEET 3



FLORIDA APPROVAL:
FL # 41128



PERFECT STORM SCREEN SCREENING SYSTEMS (LMI & SMI)

PERFECT STORM SCREEN

12901 SOUTHWEST 89 COURT
MIAMI, FLORIDA 33176

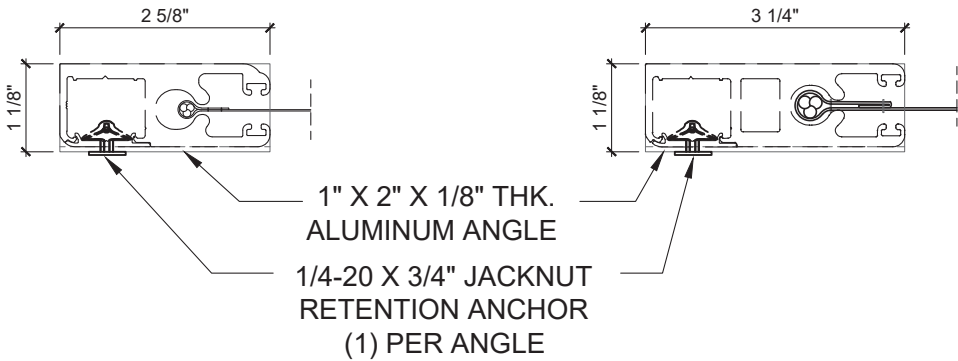
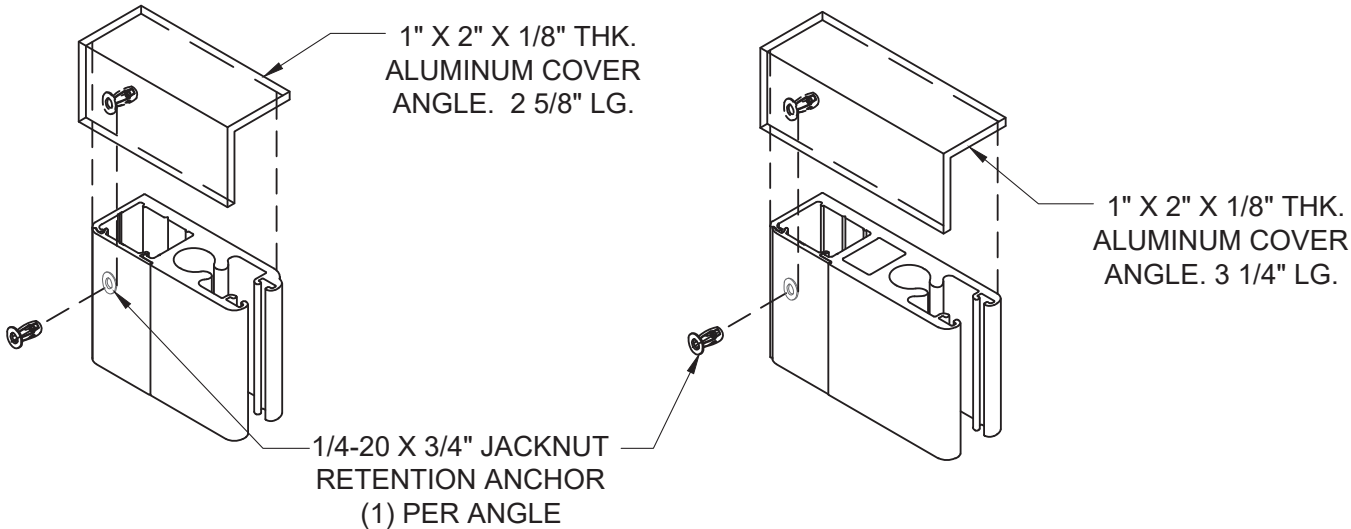
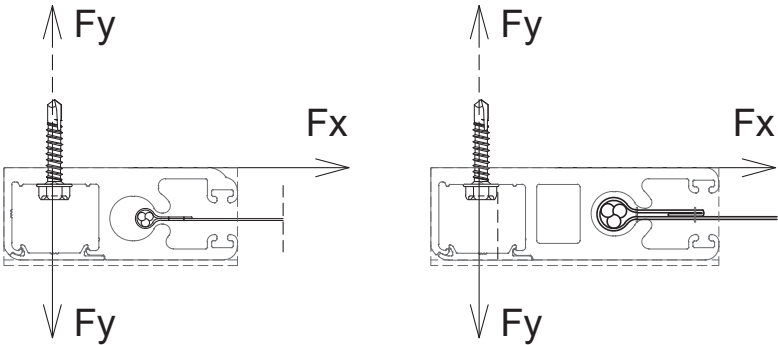
P: 305-2568085

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIAMI, FL 33027 P: 305 271 0117
www.MCYEngineering.com mcy@mcyengineering.com

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CHART FOR DESIGN LOAD VS. SPAN AND ANCHOR SPACING

MAX. DESIGN LOAD (PSF)	SPAN / SCREEN WIDTH (INCHES)	END REACTIONS AT TRACK		GLASS SEPARATION	ANCHOR SPACING (IN.)														
					DETAIL A					DETAIL B					DETAIL C				
		Fx	Fy		a	OPTION 1	OPTION 2	OPTION 3		OPTION 4	OPTION 1	OPTION 2	OPTION 3		OPTION 4	OPTION 1	OPTION 2	OPTION 3	
		LBS/FT	LBS/FT	IN.	CONCR.	CONCR.	STEEL	ALUM.	WOOD	CONCR.	CONCR.	STEEL	ALUM.	WOOD	CONCR.	CONCR.	STEEL	ALUM.	WOOD
±50	0 TO 84.0	602	175	9.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.9	5.5	5.5	5.5	5.5	5.5
	120.0	685	250	15.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.2	5.5	5.5	5.5	5.5	5.5
	156.0	734	325	21.7	5.5	5.5	5.5	5.5	5.0	5.5	5.5	5.5	5.5	3.9	5.5	5.5	5.5	5.5	5.0
	192.0	761	400	29.9	5.4	5.5	5.5	5.5	4.5	5.4	5.5	5.5	5.5	-	5.5	5.5	5.5	5.5	4.7
	230.8	774	481	40.6	5.0	5.5	5.5	5.3	4.0	5.1	5.5	5.5	5.5	-	5.5	5.5	5.5	5.5	4.5
±65	0 TO 72	732	195	9.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.1	5.5	5.5	5.5	5.5	5.3
±80	0 TO 84.0	964	280	9.7	5.1	5.5	5.5	5.3	4.6	-	5.5	5.5	5.3	-	5.5	5.5	5.5	5.5	4.0
	120.0	1097	400	15.0	-	5.5	5.5	4.4	3.7	-	4.8	5.5	4.5	-	5.5	5.5	5.5	5.5	5.5
	156.0	1175	520	26.8	-	4.9	5.5	3.9	3.2	-	-	5.5	4.0	-	5.5	5.5	5.5	5.5	-
±100	0 TO 79.0	1205	350	10.0	-	5.4	5.5	4.2	3.7	-	4.5	5.3	4.2	-	5.5	5.5	5.5	5.5	-



FLORIDA APPROVAL:
FL # 41128

YONG WANG, P.E.
FLORIDA REGISTRATION
#55983
C.A.N. 559877

November 15th, 2023

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMARI, FL 33027
P: 305 271 0117
www.MCYEngineering.com mcy@mcyengineering.com

PERFECT STORM SCREEN SCREENING SYSTEMS (LMI & SMI)

PERFECT STORM SCREEN

12901 SOUTHWEST 89 COURT
MIAMI, FLORIDA 33176
P: 305-2668085

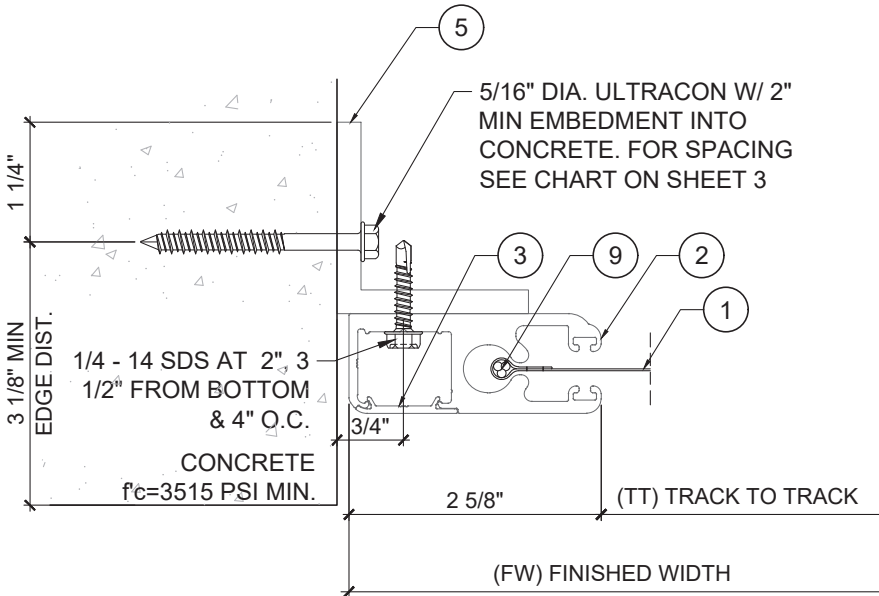
Rev. No.	2	Date	11.06.2023	Drawn By	James	update FBC 2023
Drawn Date	03.21.2022	Drawn By	MCY			

DRAWING NO.
AD22-06

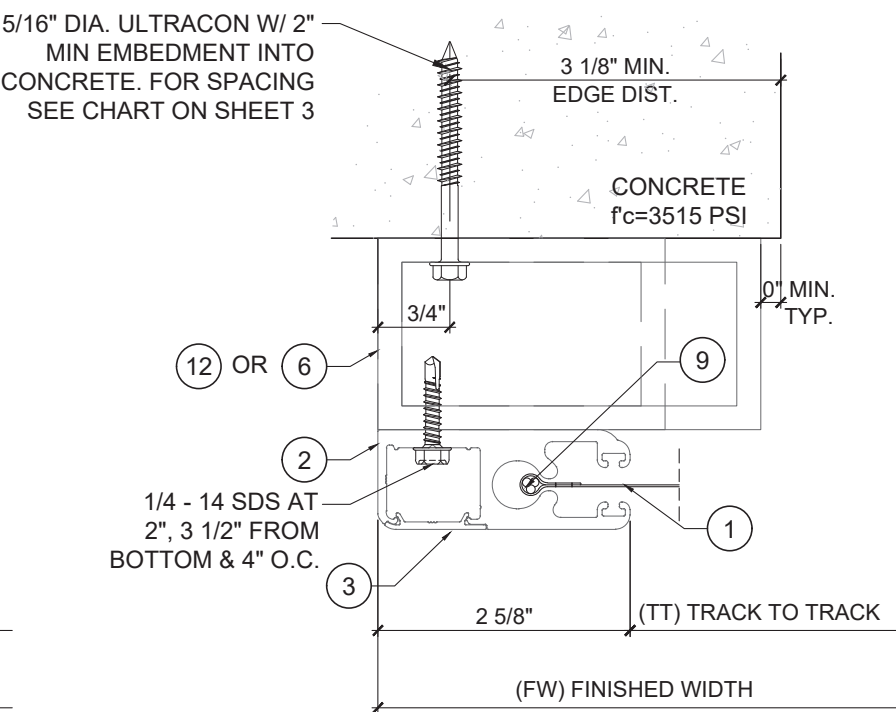
C1

Sheet No.
SHEET 3 OF 10

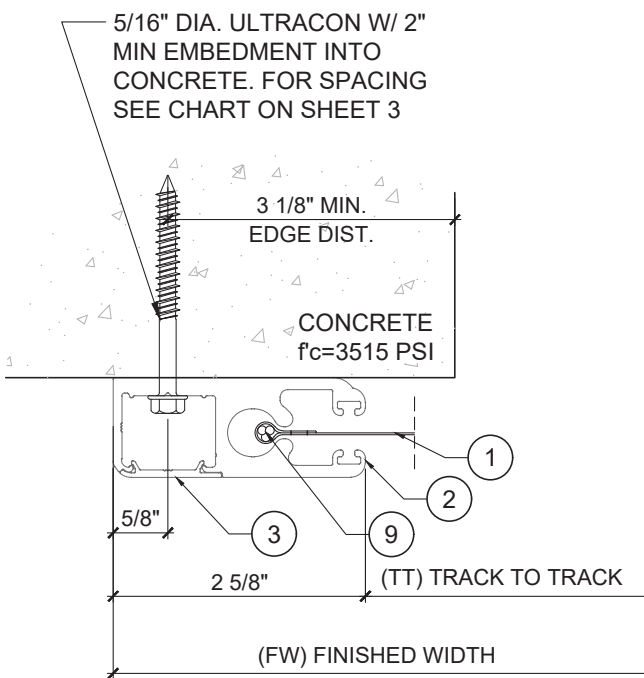
DETAILS WITH STANDARD TRACKS



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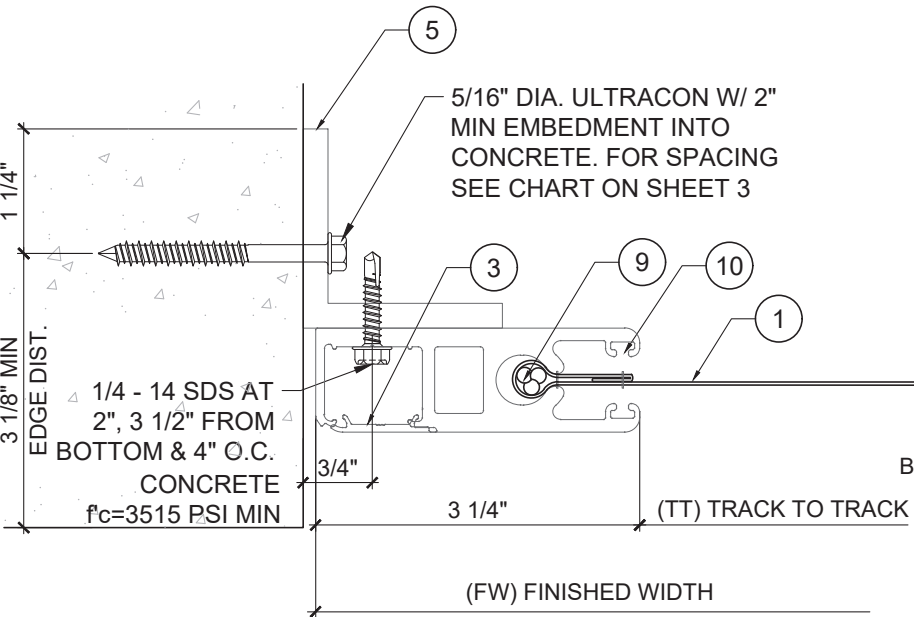


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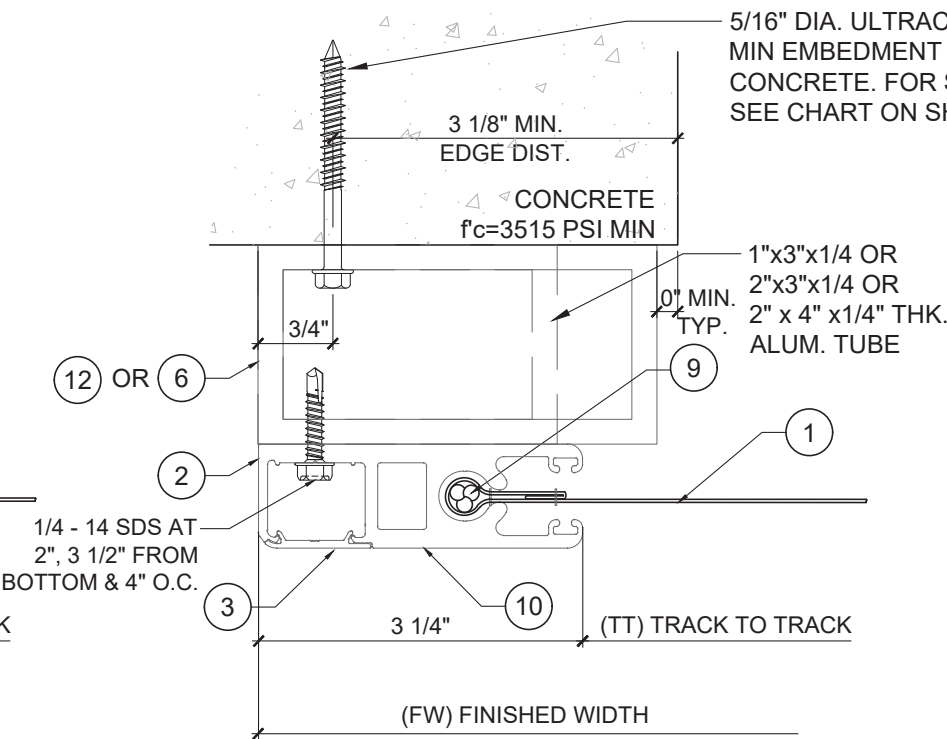


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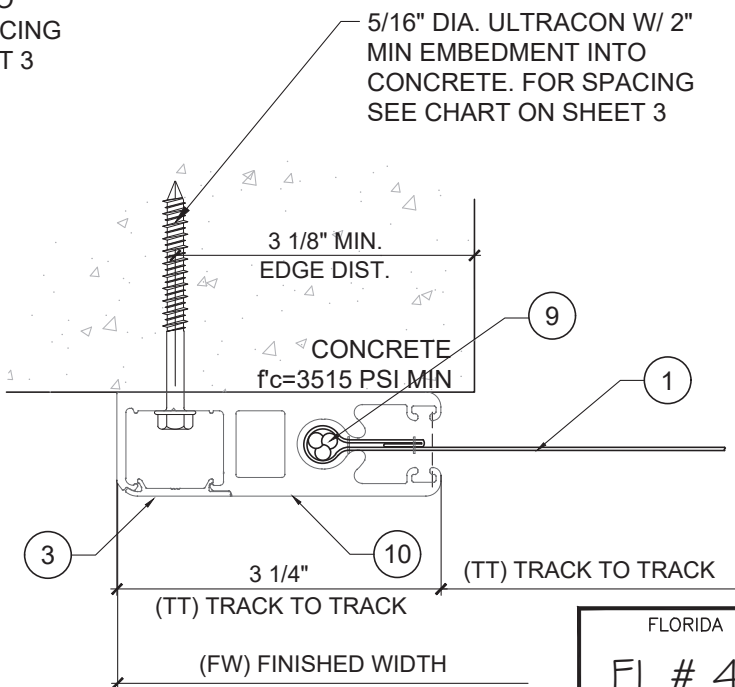
DETAILS WITH HEAVY DUTY TRACKS



A OPTION 1



B OPTION 1



C OPTION 1

ANCHOR
5/16" DIA. ULTRACON BY 'DEWALT' (Fy=155 ksi Fu = 177 ksi)

ATTACHMENT TO CONCRETE
f'c= 3515 PSI MIN.

FLORIDA APPROVAL:
FL # 41128

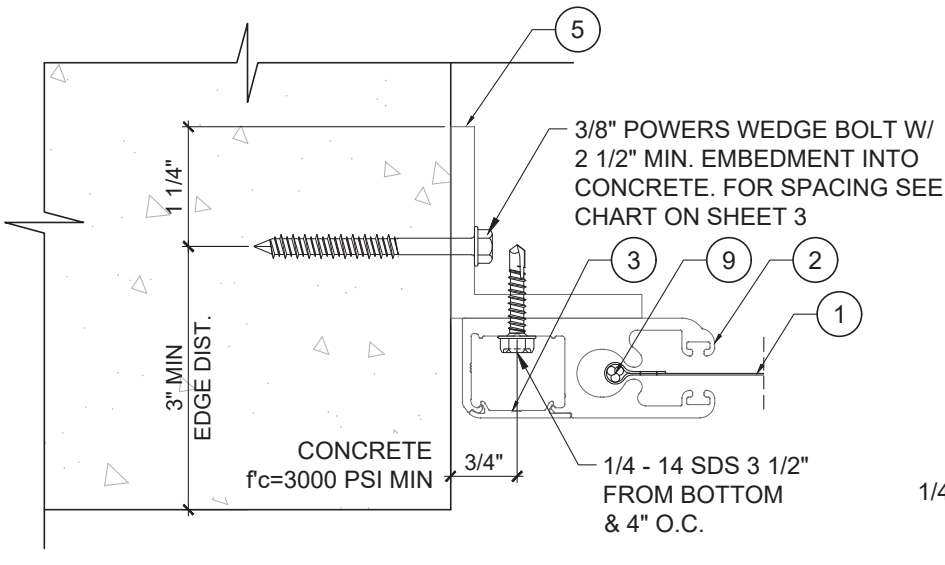
PROFESSIONAL ENGINEER
STATE OF FLORIDA
November 15th, 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIAMI, FL 33027
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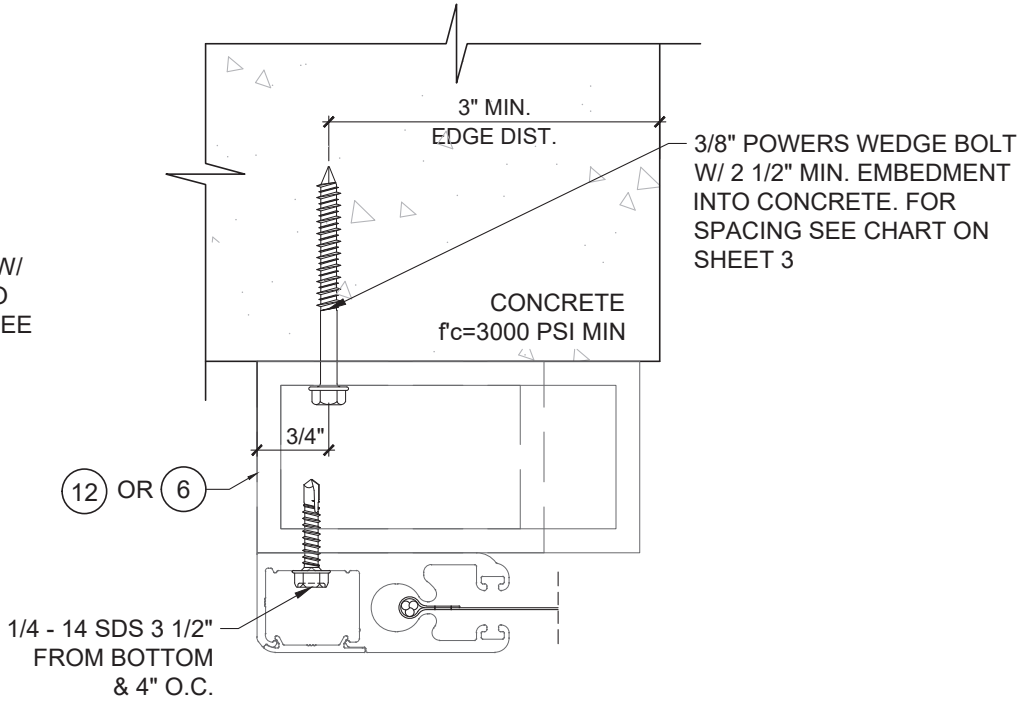
PERFECT STORM SCREEN SCREENING SYSTEMS (LMI & SMI)
PERFECT STORM SCREEN
12901 SOUTHWEST 89 COURT
MIAMI, FL 33176
P: 305-2568085

Rev. No.	Date	Drawn By	Description
2	11.06.2023	James	update FBC 2023
Drawn Date 03.21.2022			
Drawn By MCY			
DRAWING NO. AD22-06			
D1			
Sheet No.			
SHEET 4 OF 10			

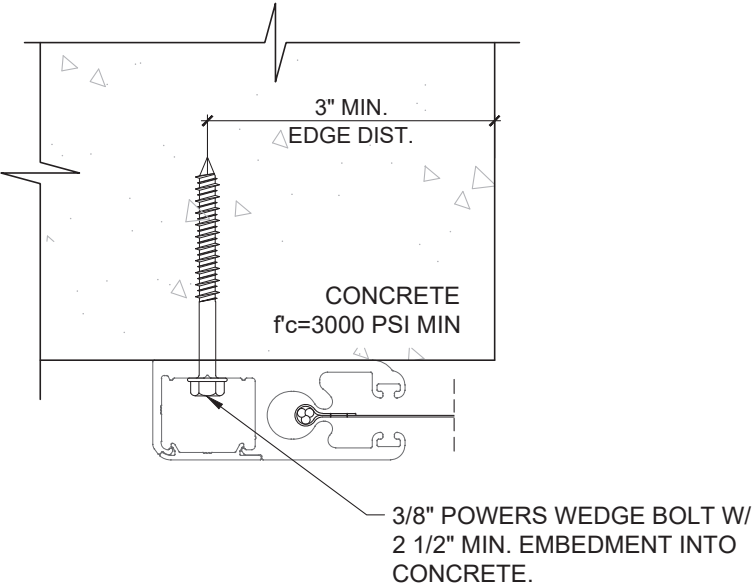
DETAILS WITH STANDARD TRACKS



A OPTION 2

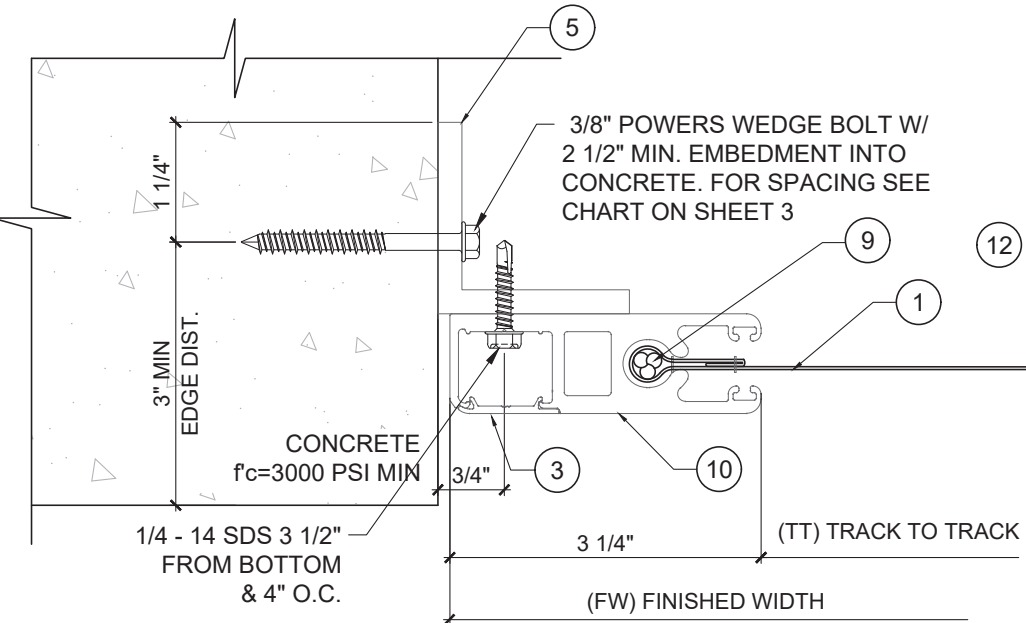


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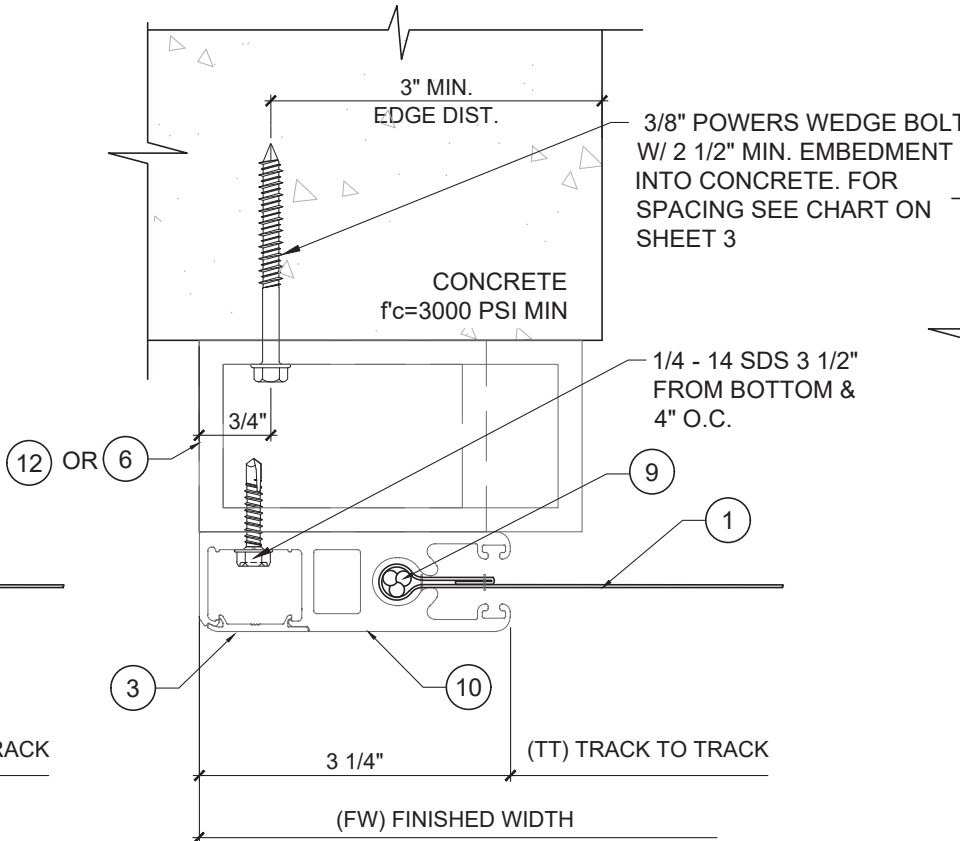


C OPTION 2

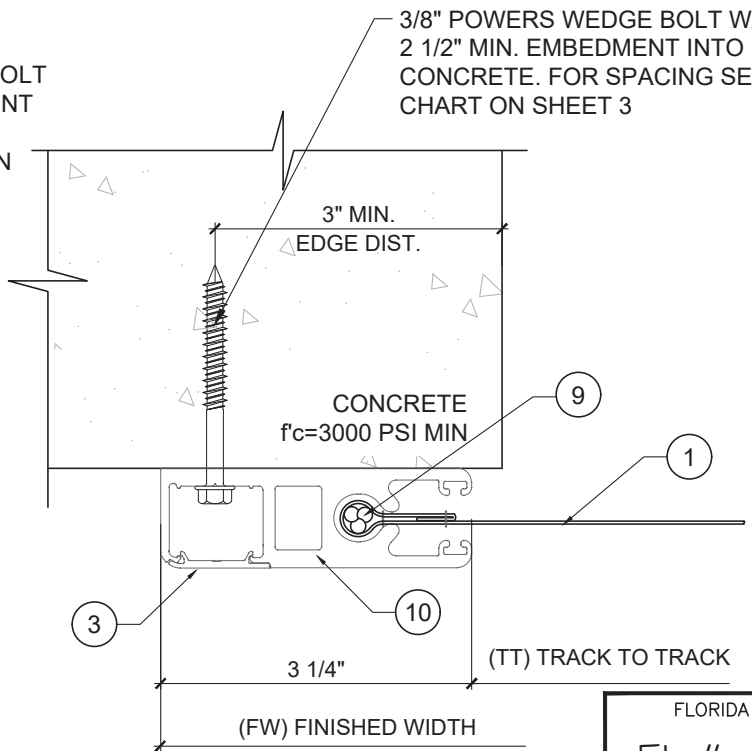
DETAILS WITH HEAVY DUTY TRACKS



A OPTION 2



B OPTION 2

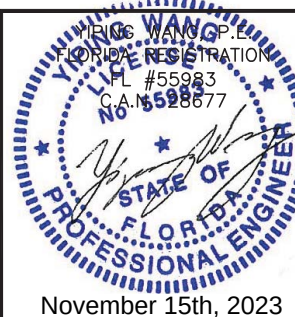


C OPTION 2

ANCHOR
3/8" DIA. WEDGE BOLT BY: "POWERS" Fu =100 KSI Fy= 65KSI

ATTACHMENT TO CONCRETE
f_c= 3000 PSI MIN.

FLORIDA APPROVAL:
FL # 41128



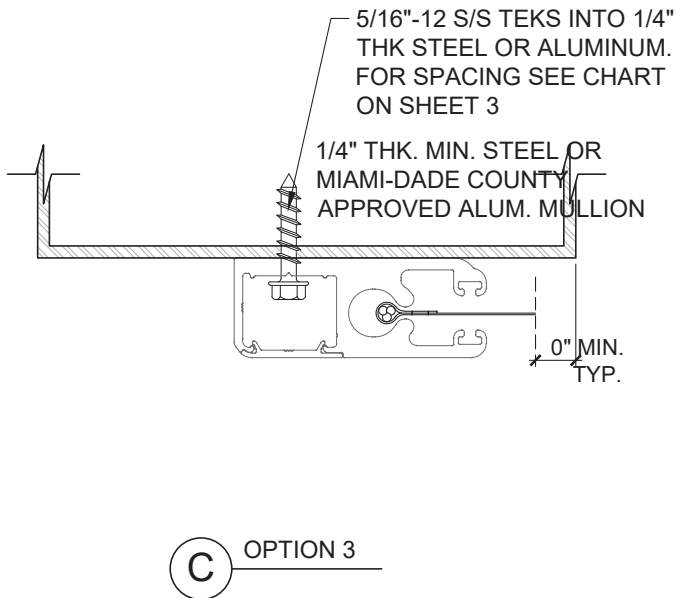
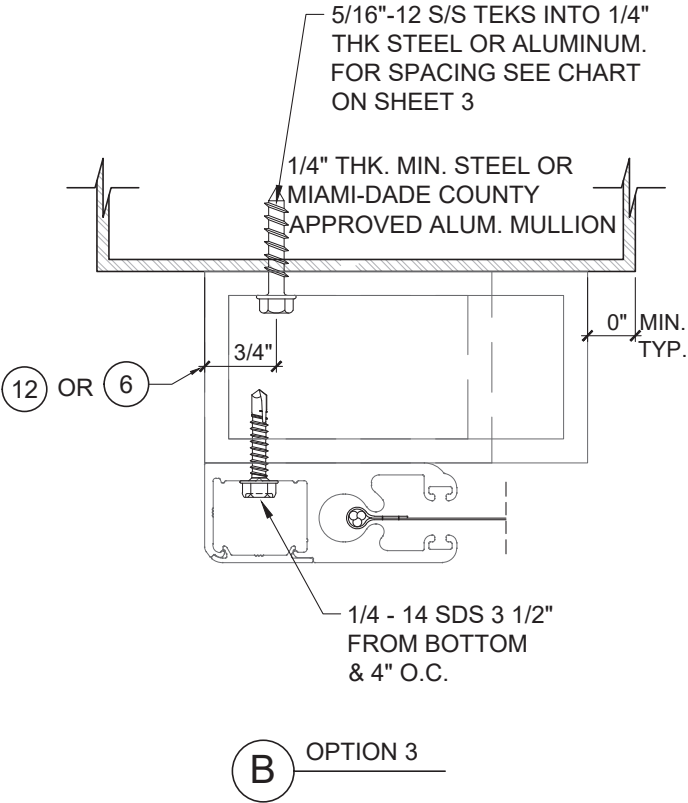
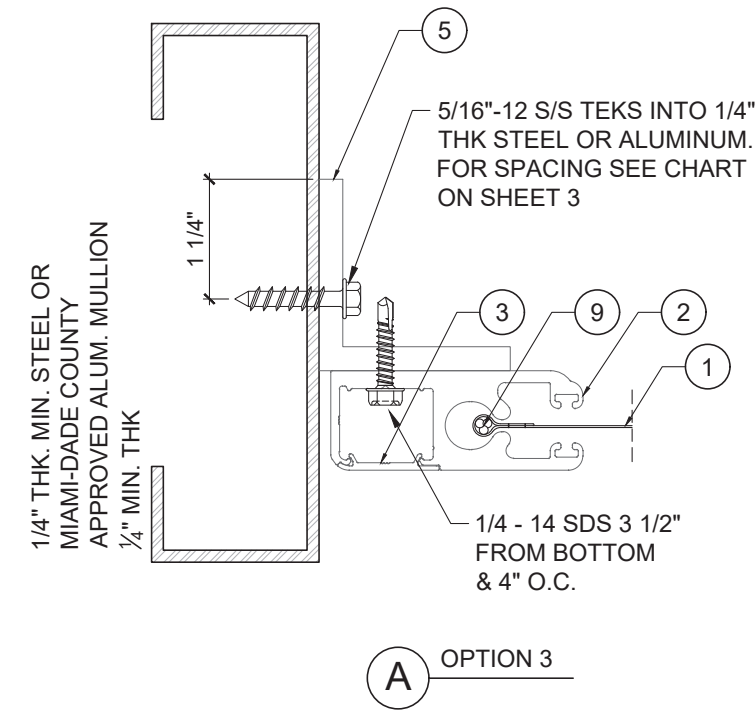
PERFECT STORM SCREEN SCREENING SYSTEMS (LMI & SMI)
PERFECT STORM SCREEN
12901 SOUTHWEST 89 COURT
MIAMI, FLORIDA 33176
P: 305-2568085

Rev. No.	Date	Drawn By	Description
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1	03.21.2022	James	

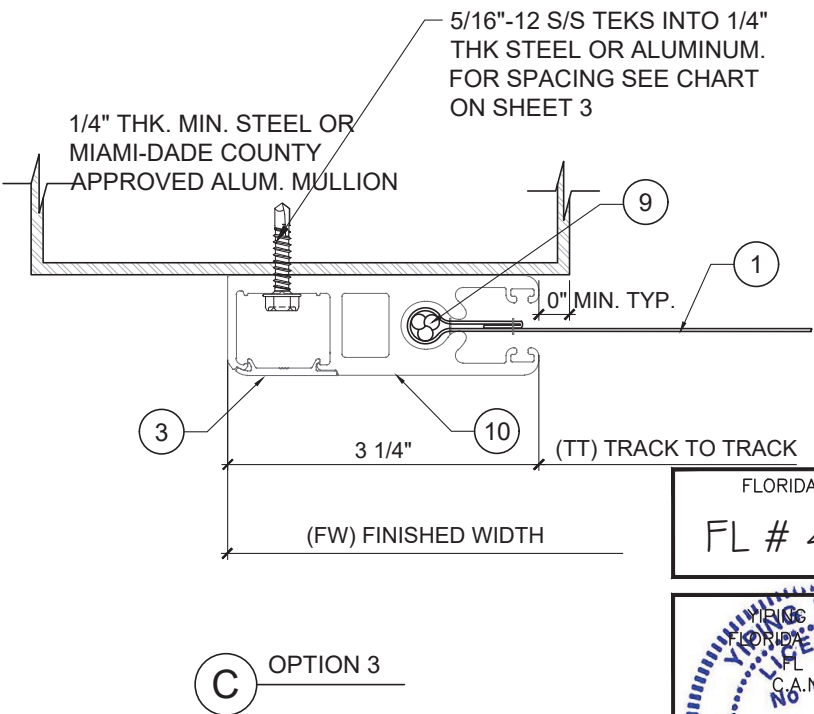
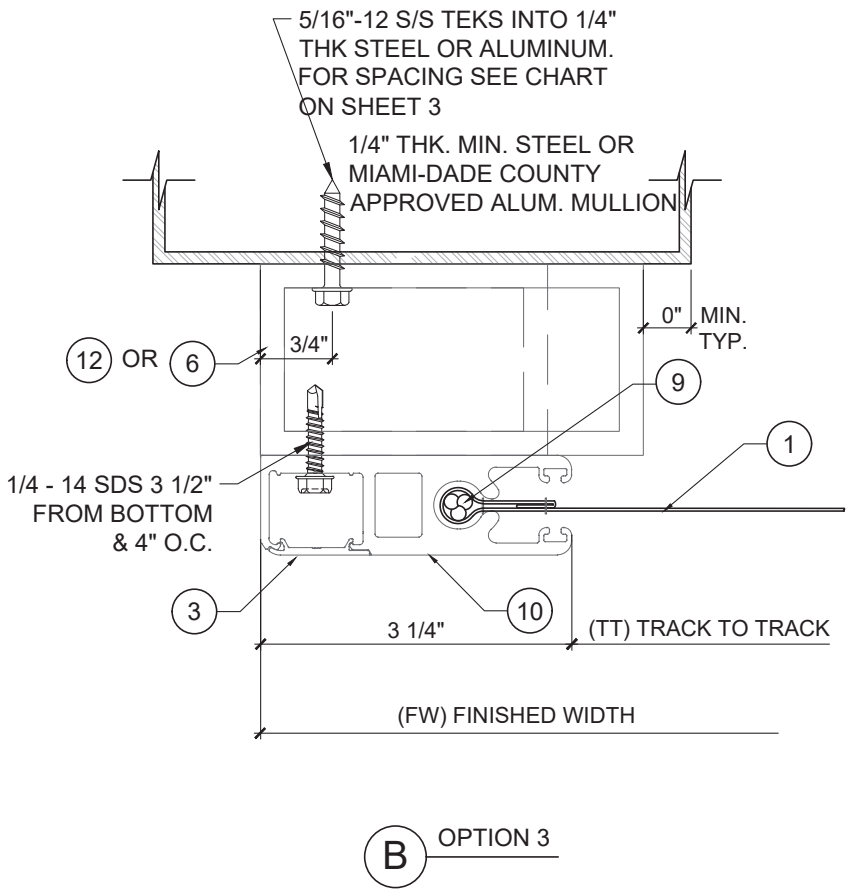
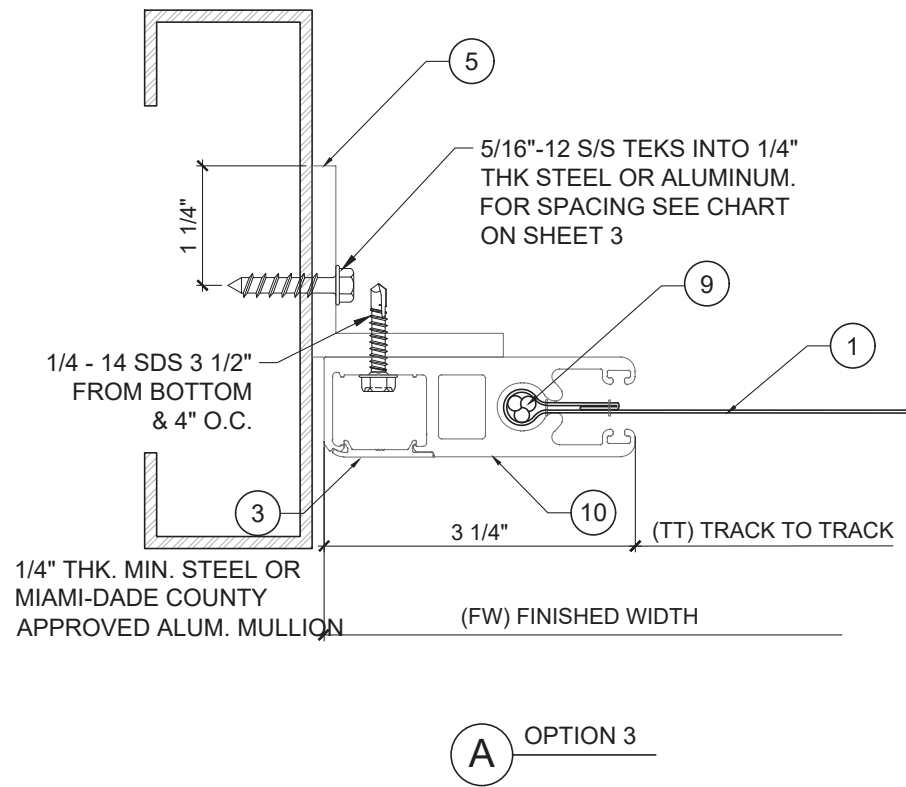
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Drawn By: James
Drawing No.: AD22-06
Sheet No.: D2
SHEET 5 OF 10

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GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIAMI, FL 33027
P: 305 271 0117
www.MCYEngineering.com mcy@mcyengineering.com

DETAILS WITH STANDARD TRACKS



DETAILS WITH HEAVY DUTY TRACKS



ANCHOR
5/16" ST./ST. TEKS SCREW Fu=100 KSI Fy= 65 KSI

ATTACHMENT TO STEEL/ALUM.
A36 OR 6063-T5 MIN. 1/4" MIN. THK

FLORIDA APPROVAL:
FL # 41128

YONG WANG, P.E.
FLORIDA REGISTRATION
#55983
C.A.N. 559877

November 15th, 2023

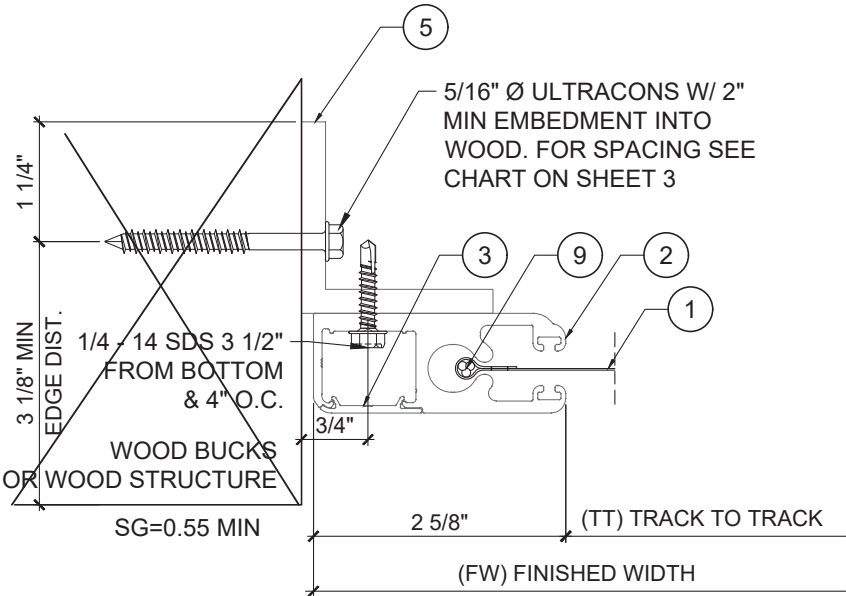
MCY ENGINEERING, INC.
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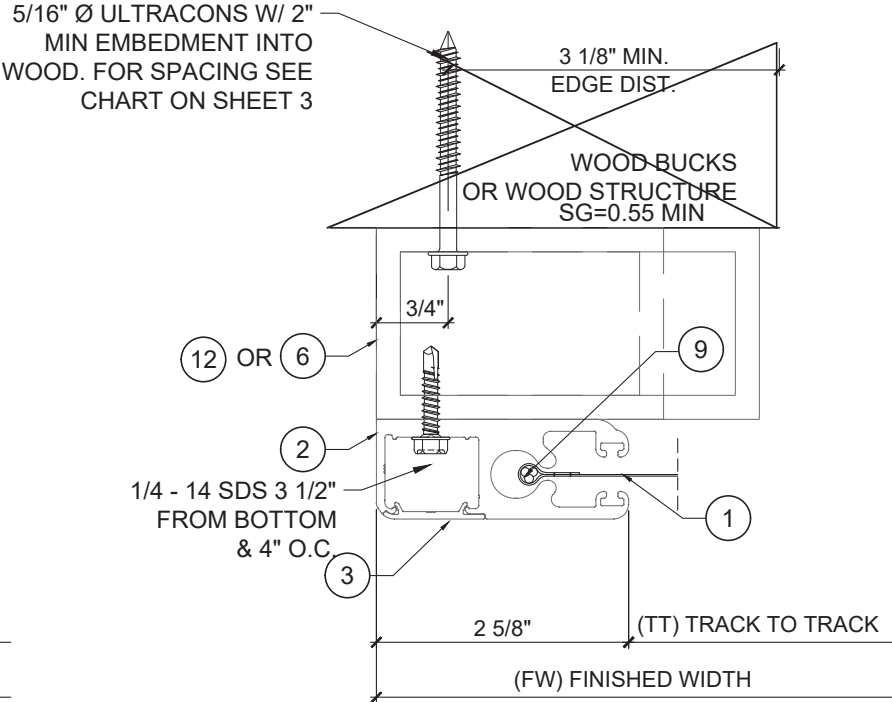
Rev. No.	Date	Drawn By	Description
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Drawn Date: 03.21.2022
Drawing No.: AD22-06
Sheet No.: D3
SHEET 6 OF 10

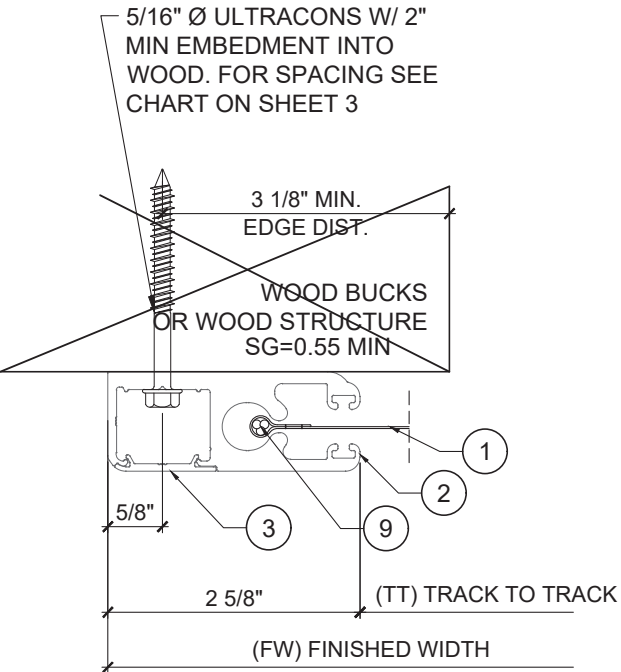
DETAILS WITH STANDARD TRACKS



A OPTION 4

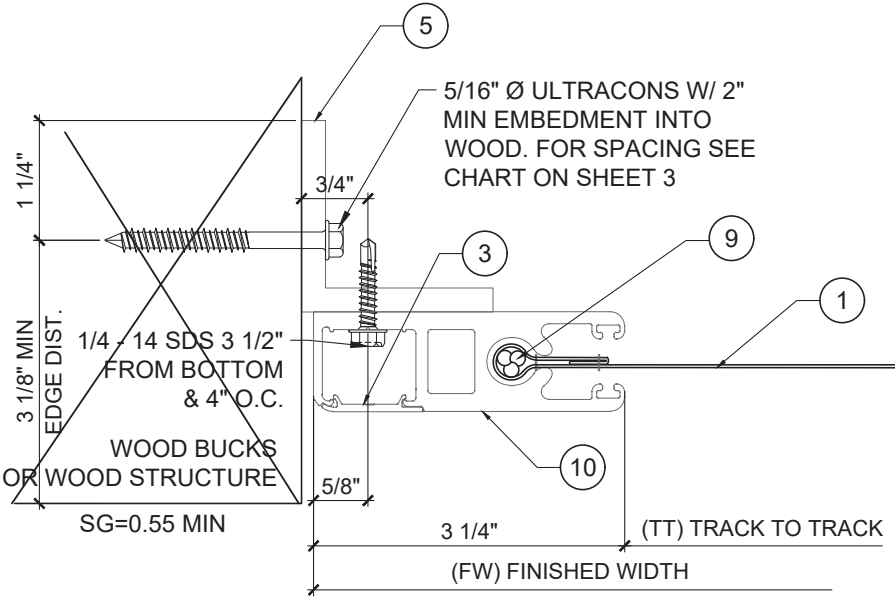


B OPTION 4

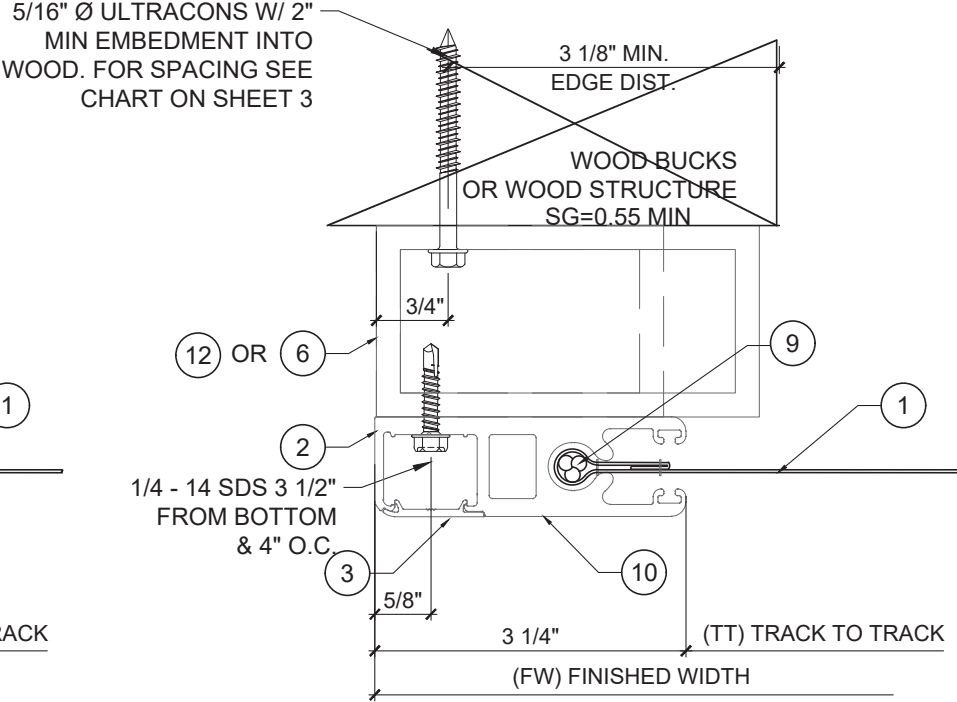


C OPTION 4

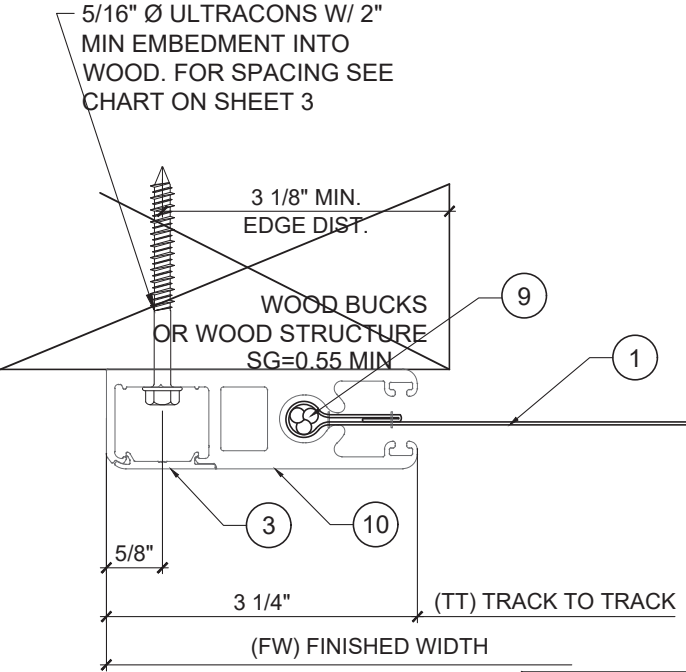
DETAILS WITH HEAVY DUTY TRACKS



A OPTION 4



B OPTION 4



C OPTION 4

ANCHOR
5/16" DIA. ULTRACONS BY 'DEWALT' (Fy=155 ksi Fu = 177 ksi)

ATTACHMENT TO WOOD

SG=0.55 MIN

FLORIDA APPROVAL:
FL # 41128

Professional Engineer Seal for YONG WANG, P.E., License No. 55983, State of Florida. Date: November 15th, 2023.

MCY ENGINEERING, INC.
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PERFECT STORM SCREEN
12901 SOUTHWEST 89 COURT
MIAMI, FLORIDA 33176
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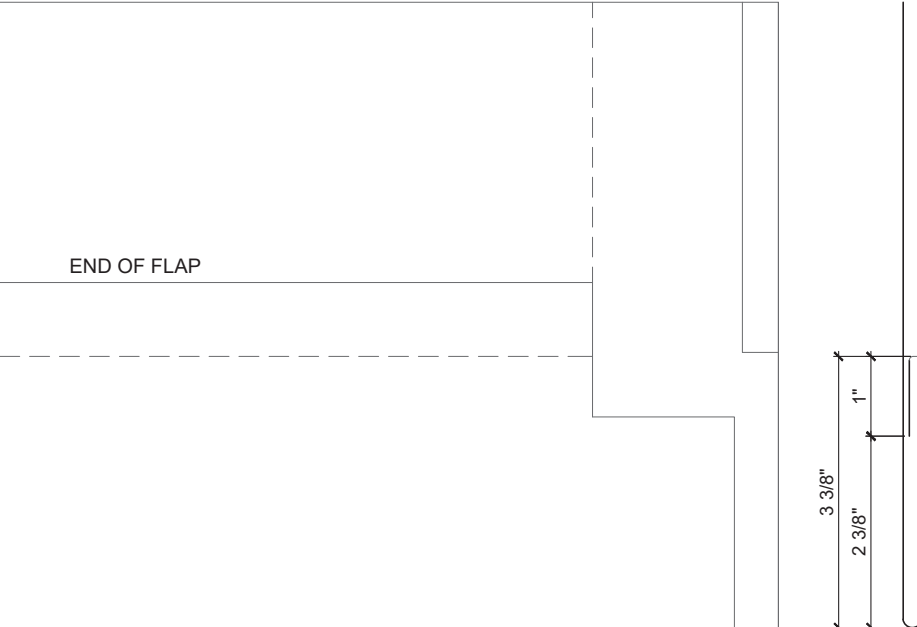
Rev.	Date	Drawn By	Description
2	11.06.2023	James	update FBC 2023

Drawn Date: 03.21.2022
Drawn By: MCY

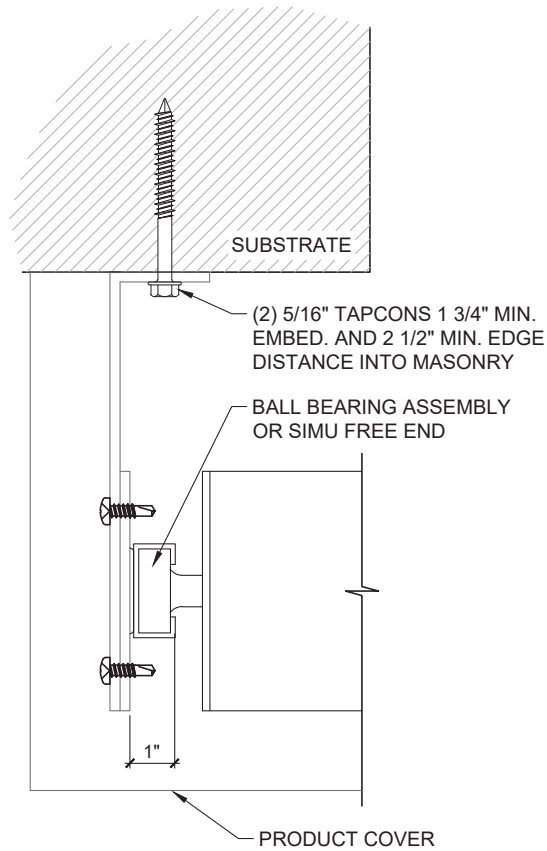
DRAWING NO.
AD22-06

Sheet No.
D4

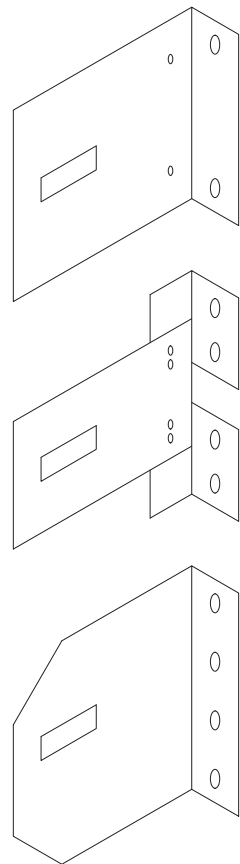
SHEET 7 OF 10



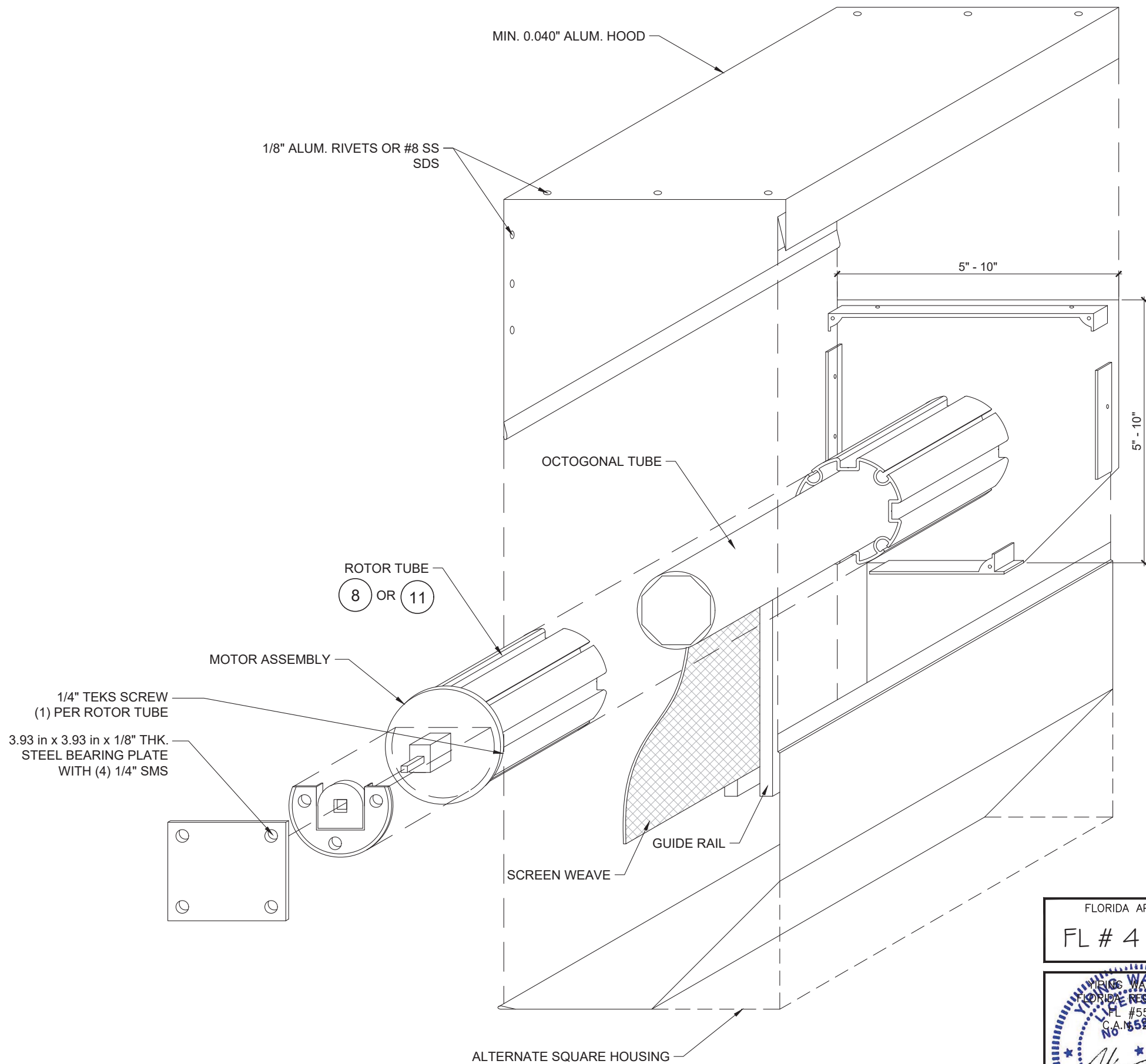
SHEET 8 OF 10



CUSTOM HOOD / BRACKET
WALL MOUNT

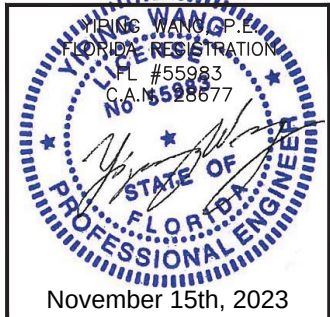


WALL MOUNT BRACKET OPTIONS



HOUSING ASSEMBLY DETAIL - OPTION
NOT PART OF THIS APPROVAL

FLORIDA APPROVAL:
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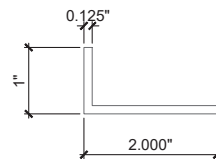
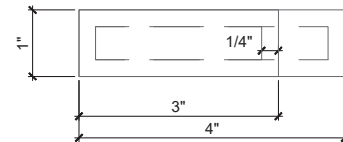
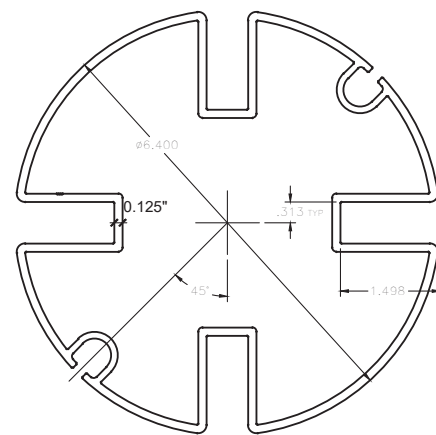
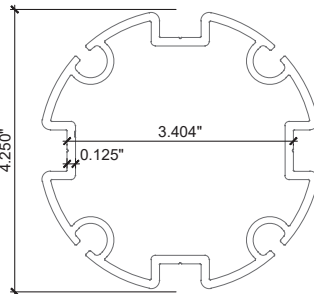
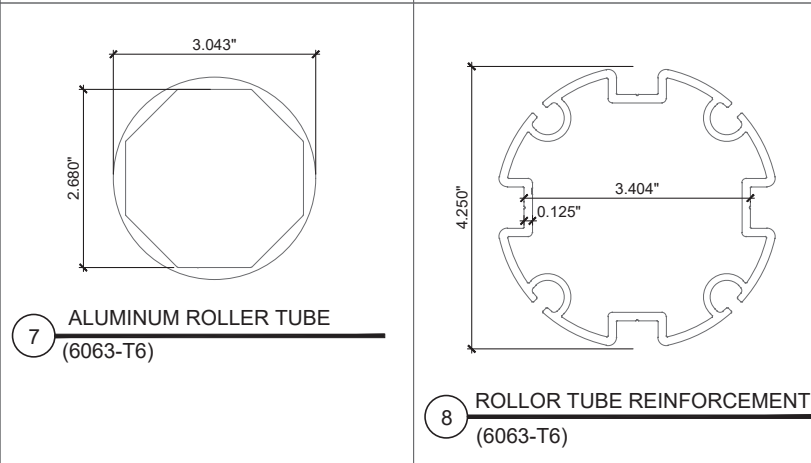
Rev.	Date	Drawn By	Description
2	11.06.2023	James	update FBC 2023

Drawn Date 03.21.2022 Drawn By MCY

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D6

Sheet No.
SHEET 9 OF 10



SHEET 10 OF 10

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