SERIES SGD 1000

SLIDING GLASS DOOR SYSTEM

PRODUCT APPROVAL FBC (2020): FL# 31650.1

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED, TESTED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION) FLORIDA BUILDING CODE, INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) SPECIFICATIONS.

2. ALL SHIMS, LOCATED AND APPLIED, SHALL BE HIGH-IMPACT, NON-METALLIC, NON-COMPRESSIBLE AND MADE OF MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.

3. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD-BEARING SHIMS; AT 1/16" MINIMUM, 1/4" MAXIMUM. SHIM AS NEEDED FOR INSTALLATION.

4. 1BY WOOD BUCK OVER CONCRETE OR MASONRY IS OPTIONAL.

5. 1BY OR 2BY WOOD BUCKS, WOOD FRAMING AND MASONRY OPENINGS, BY OTHERS, MUST BE DESIGNED AND PROPERLY INSTALLED TO ADEQUATELY TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE, AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.

6. WOOD BUCKS SHALL EXTEND BEYOND INTERIOR FACE OF THIS PRODUCT TO PROVIDE FULL FRAME SUPPORT.

7. WHERE 1BY WOOD BUCK IS USED, SEPARATE DISSIMILAR MATERIALS WITH APPROVED COATING OR MEMBRANE; SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.

8. WHERE WOOD BUCK THICKNESS IS LESS THAN 3/4", PRODUCT UNITS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS, AND SECURELY ANCHORED THROUGH THE WOOD BUCK AND INTO THE BUILDING STRUCTURAL SUBSTRATE.

9. WHERE WOOD BUCK THICKNESS IS GREATER THAN 1-1/2", PRODUCT UNITS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS, AND SECURELY ANCHORED INTO THE SECURED WOOD BUCK AND INTO THE BUILDING STRUCTURAL SUBSTRATE.

10. ALL UNITS MUST BE GLAZED PER ASTM E1300-04; SEE GLAZING DETAILS.

11. AN APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND-BORNE DEBRIS REGIONS.

12. ALL ANCHORS AND FASTENERS SHALL BE CORROSION-RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS; SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND STUCCO OR WALL FINISHES.

13. FOR ANCHORING INTO 2BY BUCK OR WOOD STRUCTURES USE 5/16" ELCO ULTRACON SCREWS, OR EQUIVALENT, WITH SUFFICIENT LENGTH TO ACHIEVE A 1-1/2" MINIMUM EMBEDMENT INTO THE BUILDING SUBSTRATE. LOCATE ANCHORS AS SHOWN ON ELEVATIONS AND INSTALLATION DETAILS.

14. FOR ANCHORING INTO CONCRETE OR MASONRY STRUCTURES USE 1/4" ELCO ULTRACON SCREWS, OR EQUIVALENT, WITH SUFFICIENT LENGTH TO ACHIEVE A 1-3/4" MINIMUM EMBEDMENT INTO THE BUILDING SUBSTRATE WITH 2-1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN ON ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING INTO METAL STRUCTURES USE #14 SMS, SELF-DRILLING SCREWS, OR EQUIVALENT, WITH SUFFICIENT LENGTH TO ACHIEVE FULL PENETRATION AND THREE (3) THREADS MINIMUM BEYOND THE INTERIOR METAL STRUCTURE. LOCATE ANCHORS AS SHOWN ON ELEVATIONS AND INSTALLATION DETAILS.

16. DISSIMILAR MATERIALS, INCLUDING BUT NOT LIMITED TO METAL SCREWS, THAT COME INTO CONTACT SHALL BE PAINTED OR PLATED PER REQUIREMENTS OF THE FLORIDA BUILDING CODE AND ADOPTED STANDARDS.

17. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURERS'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

    A. WOOD:
    MINIMUM SPECIFIC GRAVITY OF G=0.55.

    B. CONCRETE:
    MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

    C. MASONRY:
    HOLLOW/FILLED BLOCK PER ASTM C90, F'M = 2,000 PSI MINIMUM.

    D. METAL STRUCTURE(S):
    ALUMINUM: 1/8" MINIMUM THICKNESS, 6063-T5 MINIMUM;
    STEEL: 1/8" MINIMUM THICKNESS, FY=33 KSI MINIMUM;
    METAL STUD: 16 GA. MINIMUM.

19. 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 WEATHER-SEALING FOR WATER INFILTRATION RESISTANCE, ETC.

20. REFER TO INSTALLATION MANUAL FOR REQUIRED SEALANTS.

21. CONDITIONS NOT SHOWN IN THESE DRAWINGS ARE TO BE ANALYZED SEPARATELY AND REVIEWED BY THE BUILDING OFFICIAL.

22. DESIGN LOADS, IN THIS PRODUCT APPROVAL, ARE NOMINAL PRESSURES; ULTIMATE PRESSURES PROVIDED SHALL BE CALCULATED BY A FACTOR OF 0.6 TO DETERMINE NOMINAL PRESSURES.

THIS SYSTEM HEREIN, USING LAMINATED AND INSULATED, LAMINATED GLASS, ARE RATED FOR LARGE, SMALL MISSILE IMPACT AND NON-IMPACT, (L.M.I./S.M.I.).

APPLICABLE EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) TO BE REVIEWED BY BUILDING OFFICIAL.

SHEET SECTION INDEX:

INSTRUCTIONS:

(USE CHARTS AS FOLLOWS.)

1. DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARDS.
2. DETERMINE DOOR CAPACITY FROM DESIGN LOAD CHARTS IN SECTIONS 6.0 AND 9.0 FOR GLASS TYPE AND REINFORCEMENT APPLICATION.
3. USING CHARTS IN SECTION 7.0 AND ANCHOR CONDITIONS IN SECTION 8.0, SELECT ANCHOR OPTION WITH DESIGN RATING GREATER THAN THE DESIGN LOAD SPECIFIED IN STEP 1, ABOVE.
4. THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO THE ENTIRE SYSTEM.

VELOCITY
IMPACT PRODUCTS

Christopher Stanton, P.E.
Digitally signed by Christopher Stanton, P.E.
Date: 2021.03.22 10:52:26 -04'00'

REVISIONS:

NO.	DATE:	DESCRIPTION:
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CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, PE
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

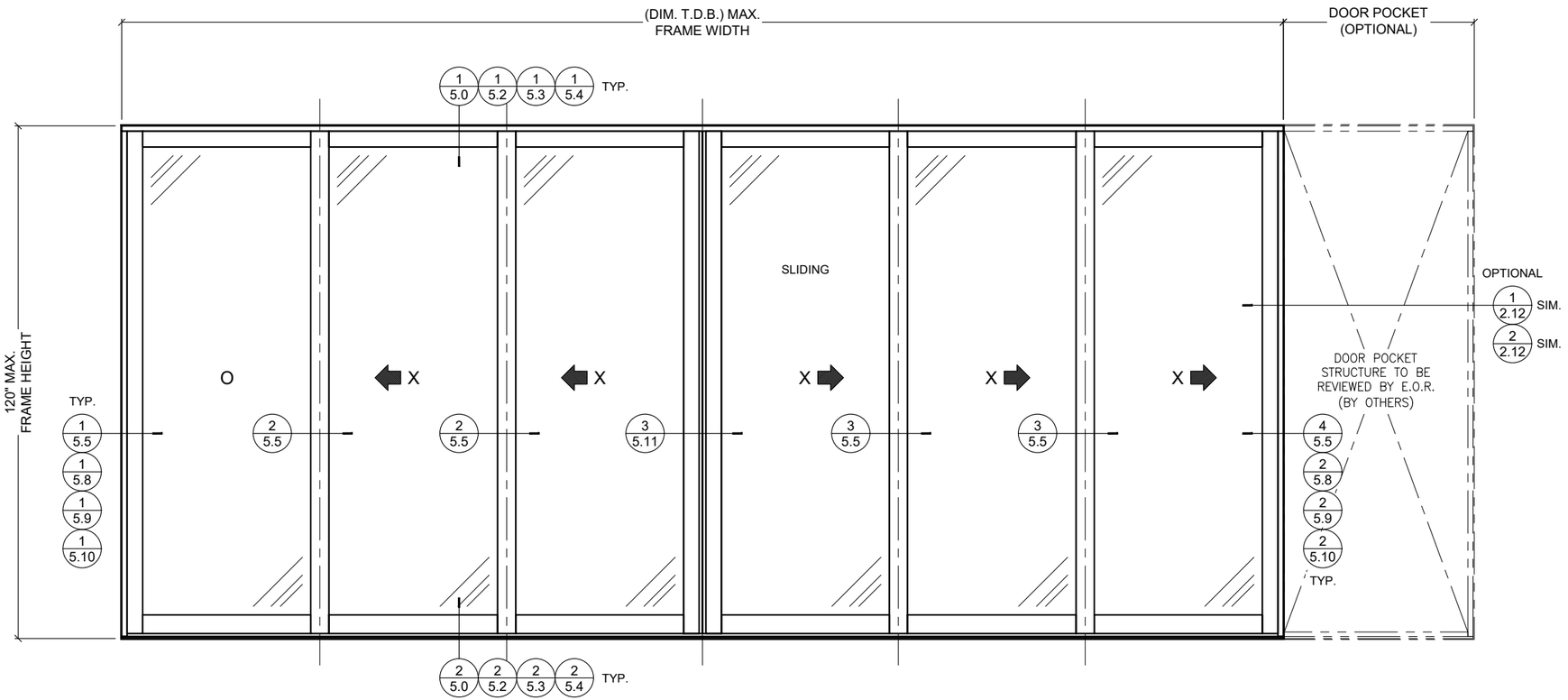
OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA. 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
GENERAL NOTES

SCALE:	FULL [1:1]
PLOT SIZE:	ANSI B (11" X 17")

SHEET NO.
1.0 01 of 41
JOB NO. 0000-00



1 / 2.0 SGD 1000 SERIES

TYPICAL EXTERIOR ELEVATION

UNLIMITED NUMBER OF PANELS, IN UNLIMITED CONFIGURATIONS, WITH OR WITHOUT POCKETS, ARE APPROVED AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM TESTED PANEL SIZE, (W X H), AND USES VERTICAL CONDITIONS, AS SHOWN, AND NOT TO EXCEED:
60" FRAME WIDTH X 120" FRAME HEIGHT = 50 SQ. FT FRAME AREA.

GENERAL NOTES:

1. ALL ELEVATIONS, AS SHOWN, ARE FOR TYPICAL DETAIL REFERENCE ONLY. PANELS, INTERLOCKS AND MEETING STILE ORIENTATIONS MAY BE CONFIGURED, AS NEEDED, ALLOWABLE A TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAMES; SO LONG AS MAXIMUM PANEL FRAME AREA DOES NOT EXCEED 50 SQ. FT.

2. MAXIMUM PANEL SIZE:
61-9/16" WIDTH X 118-1/2" HEIGHT.

3. MAXIMUM DAYLIGHT OPENING, (D.L.O.):
53-9/16" WIDTH X 110-1/8" HEIGHT.

4. (1) 1" X 3/16" WEEP HOLE, 6" FROM EACH END AND 60" O.C. THROUGH VERTICAL SILL LEG; NO WEEP IN POCKETS.

5. SEE INSTALLATION NOTES FOR REQUIRED SEALANTS.

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
1	-	-
1	-	-
1	-	-
1	-	-

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TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com
VELOCITY

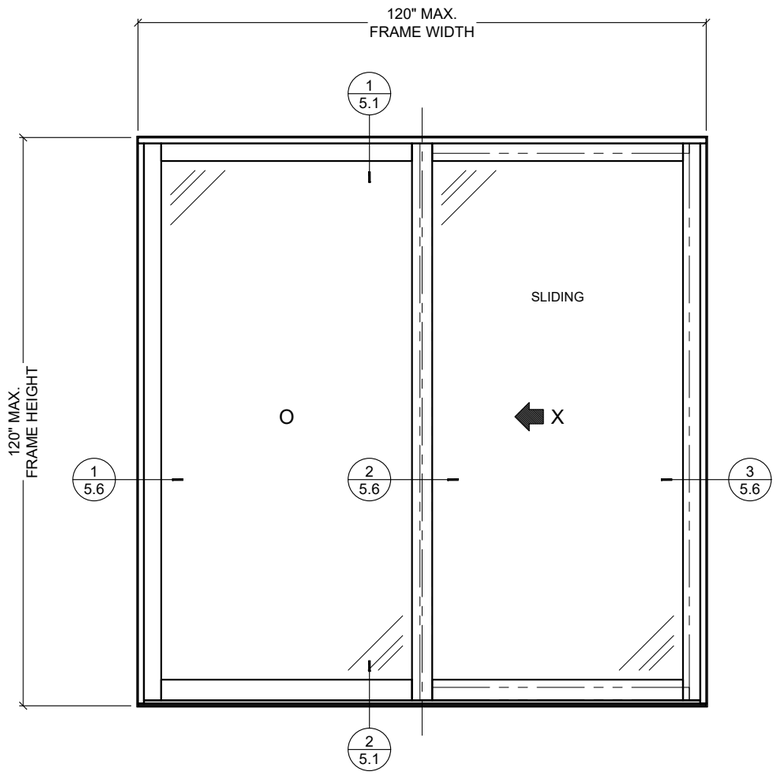
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL ELEVATIONS

SCALE: 3/8" = 1'-0" [1:32]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
2.0 02 of 41
JOB NO. 0000-00



2 / 2.1 SGD 1000 SERIES

TWO-TRACK W/ SCREEN EXTERIOR ELEVATION

UNLIMITED NUMBER OF PANELS, IN UNLIMITED CONFIGURATIONS, WITH OR WITHOUT POCKETS, ARE APPROVED AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM TESTED PANEL SIZE, (W X H), AND USES VERTICAL CONDITIONS, AS SHOWN, AND NOT TO EXCEED:
60" FRAME WIDTH X 120" FRAME HEIGHT = 50 SQ. FT FRAME AREA.

GENERAL NOTES:

1. ALL ELEVATIONS, AS SHOWN, ARE FOR TYPICAL DETAIL REFERENCE ONLY. PANELS, INTERLOCKS AND MEETING STILE ORIENTATIONS MAY BE CONFIGURED, AS NEEDED, ALLOWABLE A TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAMES; SO LONG AS MAXIMUM PANEL FRAME AREA DOES NOT EXCEED 50 SQ. FT.

2. MAXIMUM PANEL SIZE:
   61-9/16" WIDTH X 118-1/2" HEIGHT.

3. MAXIMUM DAYLIGHT OPENING, (D.L.O.):
   53-9/16" WIDTH X 110-1/8" HEIGHT.

4. (1) 1" X 3/16" WEEP HOLE, 6" FROM EACH END AND 60" O.C. THROUGH VERTICAL SILL LEG; NO WEEP IN POCKETS.

5. SEE INSTALLATION NOTES FOR REQUIRED SEALANTS.

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
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3	-	-
4	-	-
5	-	-

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BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
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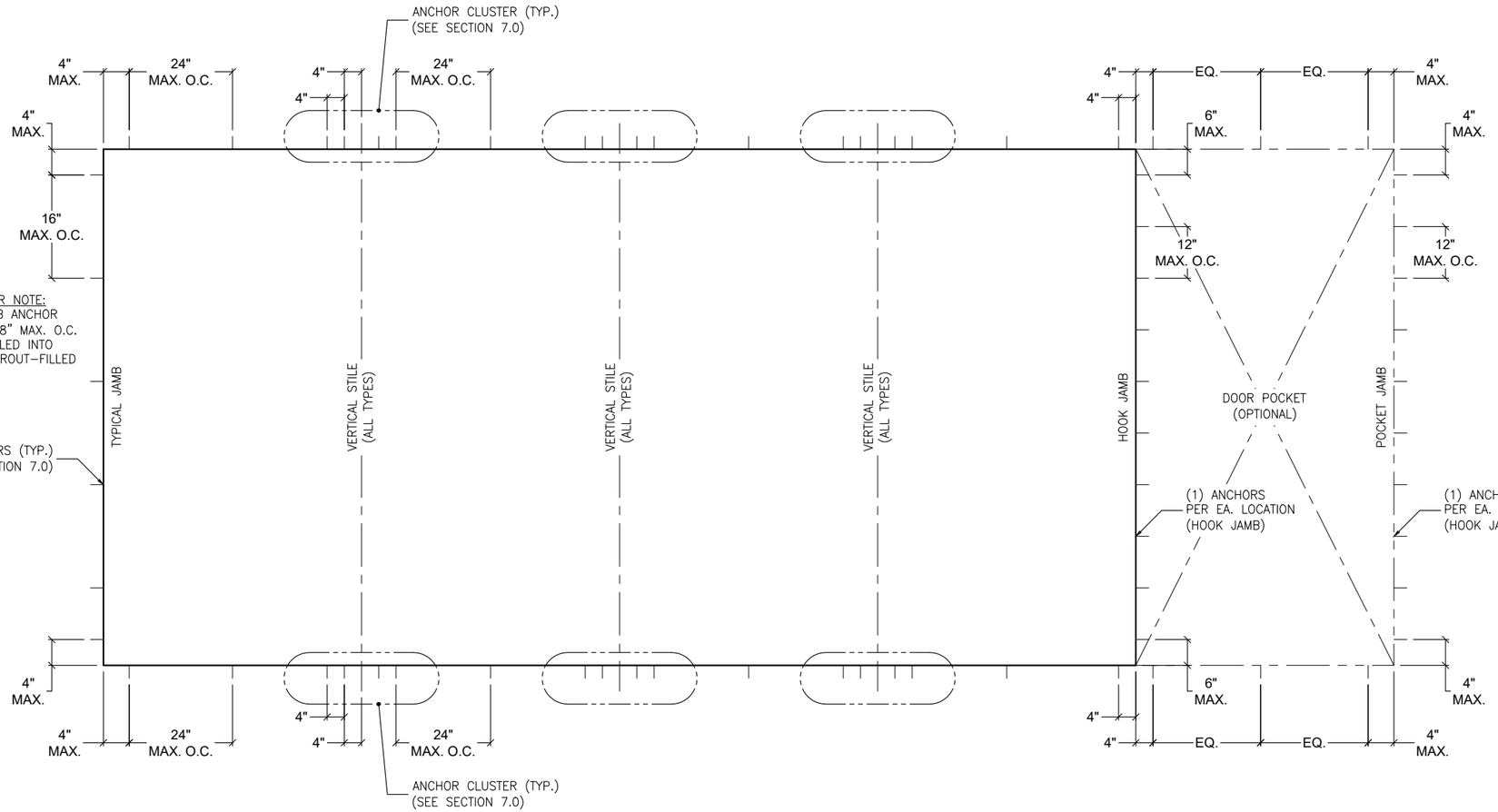
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com
VELOCITY IMPACT PRODUCTS

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL ELEVATIONS

SCALE:	3/8" = 1'-0" [1:32]
PLOT SIZE:	ANSI B (11" X 17")

SHEET NO.
2.1 03 of 41
JOB NO. 0000-00



1 / 3.0 SGD 1000 SERIES

TYPICAL ANCHOR LAYOUT, (FOR ALL SGD SYSTEMS)

GENERAL NOTES:

1. THIS LAYOUT, AS SHOWN, IS FOR TYPICAL ANCHOR REFERENCE ONLY. PANELS, INTERLOCKS AND MEETING STILE ORIENTATIONS MAY BE CONFIGURED AS NEEDED ALLOWABLE A TWO–TRACK, TWO–TRACK WITH SCREEN, THREE–TRACK, FOUR–TRACK & FIVE–TRACK FRAMES.

ANCHOR NOTES:

1. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
2. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
3. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

SUBSTRATE NOTES:

WOOD STRUCTURES: SG = 0.55 MIN.
CONC. OR MASONRY: F'C = 3,000 PSI MIN.
C–90 GROUT–FILLED BLOCK: F'M = 2,000 PSI MIN.

REVISIONS:

NO.	DATE:	DESCRIPTION:
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FLORIDA P.E. # 69316

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BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
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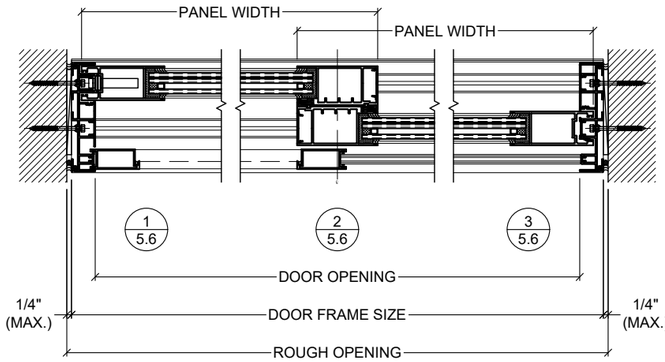
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
ANCHOR LAYOUT

SCALE: 3/8" = 1'-0" [1:32]
PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
3.0 04 of 41
JOB NO. 0000-00



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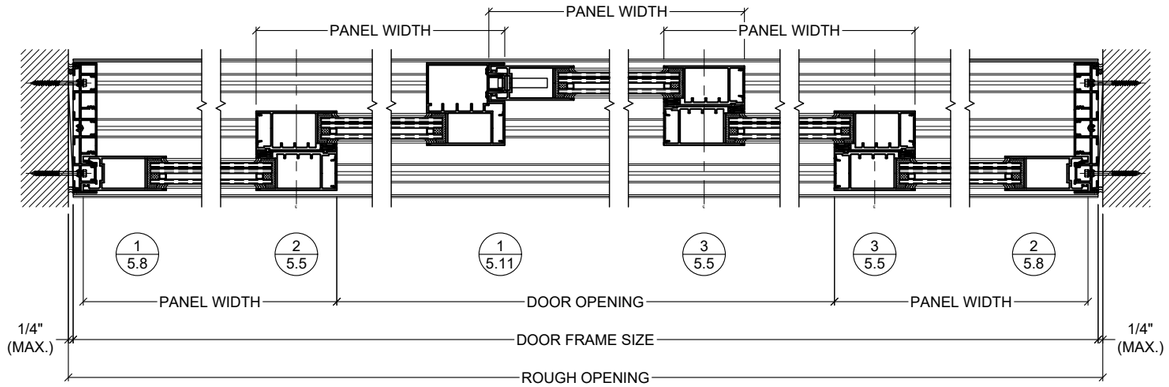

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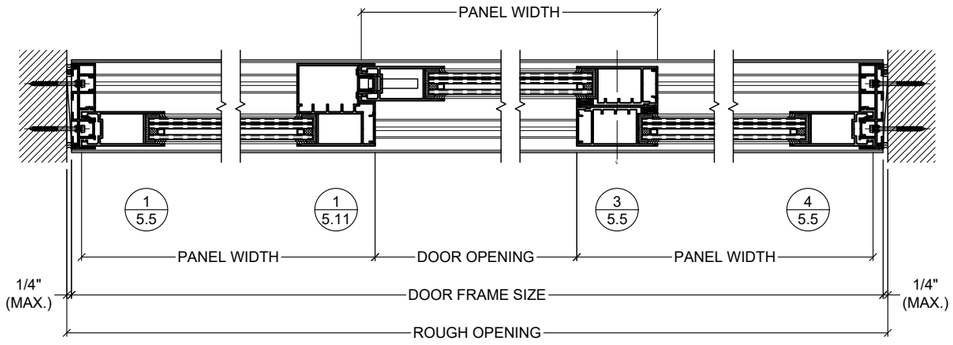

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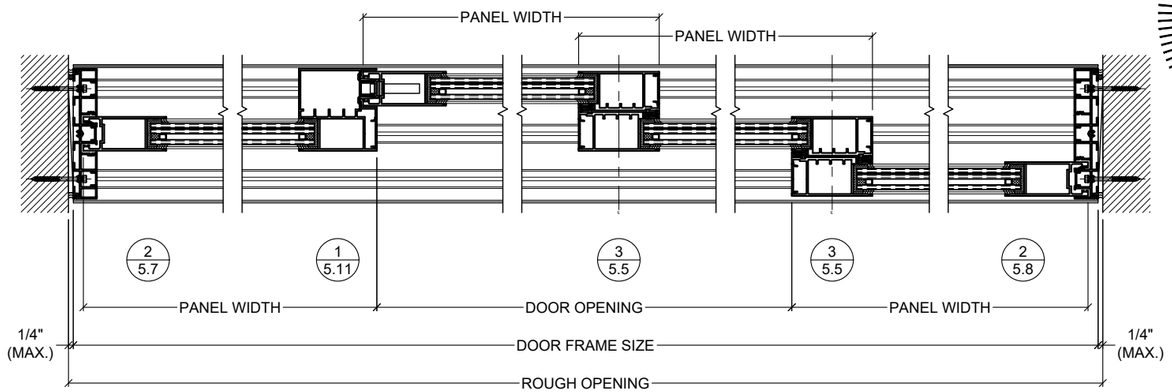

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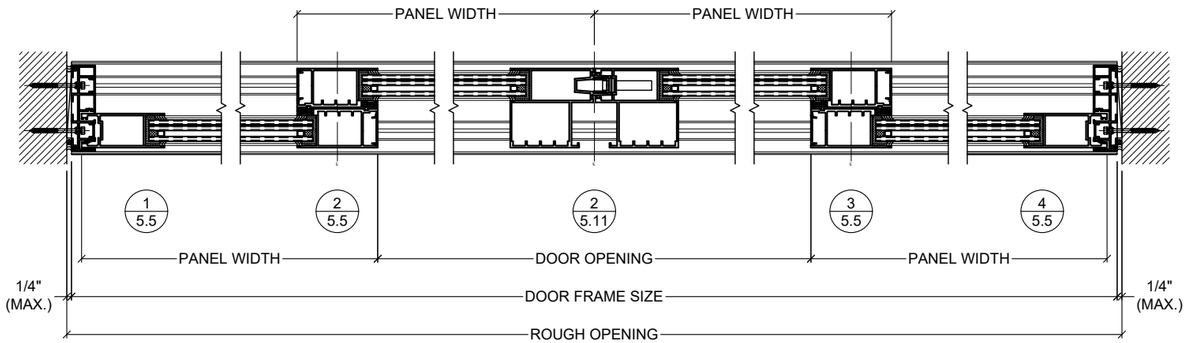

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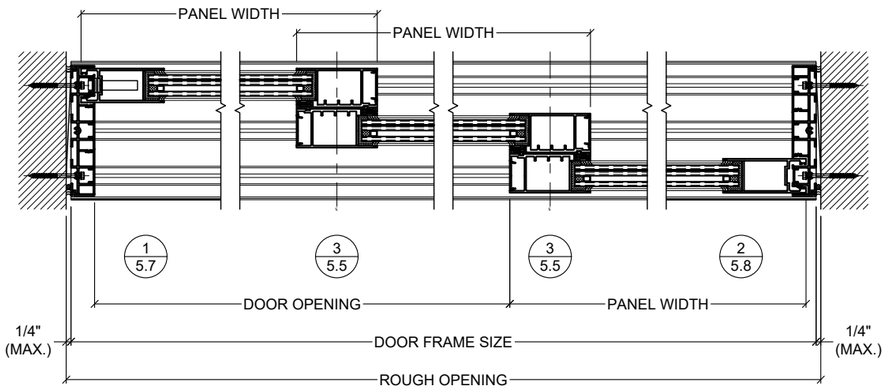

EXTERIOR

GENERAL NOTES:

1. ALL ELEVATIONS, AS SHOWN, ARE FOR ILLUSTRATIVE REFERENCES ONLY. PANELS, INTERLOCKS AND MEETING STILE ORIENTATIONS MAY BE CONFIGURED, AS NEEDED, ALLOWABLE A TWO–TRACK, TWO–TRACK WITH SCREEN, THREE–TRACK, FOUR–TRACK & FIVE–TRACK FRAMES.
2. REFER TO SECTION 6.0 FOR APPLICABLE DESIGN PRESSURES WITH, AND WITHOUT, REINFORCEMENT.
3. FOR ANCHORING DESIGN LOAD CHARTS, REQUIREMENTS AND DETAILS, SEE SECTIONS 7.0 AND 8.0.
4. DOOR POCKETS ARE OPTIONAL BUILDING STRUCTURES, BY OTHERS, TO BE REVIEWED BY E.O.R.
5. DOORS SHALL MEET APPLICABLE EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC).

REVISIONS:

NO.	DATE:	DESCRIPTION:
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CHRISTOPHER STANTON
LICENSE
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STATE OF
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FLORIDA P.E. # 69316

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BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:

SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:

VELOCITY IMPACT PRODUCTS
2200 AVENUE L. WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL LAYOUTS

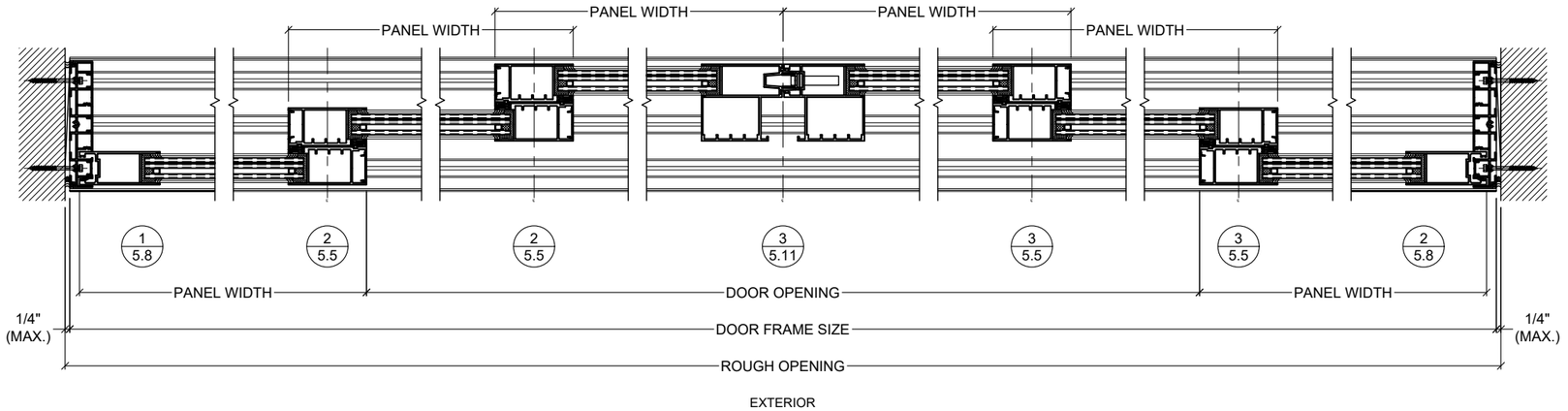
SCALE: 1-1/2" = 1'-0" [1:8]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
4.0 05 of 41
JOB NO. 0000-00

GENERAL NOTES:

1. ALL ELEVATIONS, AS SHOWN, ARE FOR ILLUSTRATIVE REFERENCES ONLY. PANELS, INTERLOCKS AND MEETING STILE ORIENTATIONS MAY BE CONFIGURED, AS NEEDED, ALLOWABLE A TWO–TRACK, TWO–TRACK WITH SCREEN, THREE–TRACK, FOUR–TRACK & FIVE–TRACK FRAMES.
2. REFER TO SECTION 6.0 FOR APPLICABLE DESIGN PRESSURES WITH, AND WITHOUT, REINFORCEMENT.
3. FOR ANCHORING DESIGN LOAD CHARTS, REQUIREMENTS AND DETAILS, SEE SECTIONS 7.0 AND 8.0.
4. DOOR POCKETS ARE OPTIONAL BUILDING STRUCTURES, BY OTHERS, TO BE REVIEWED BY E.O.R.
5. DOORS SHALL MEET APPLICABLE EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC).



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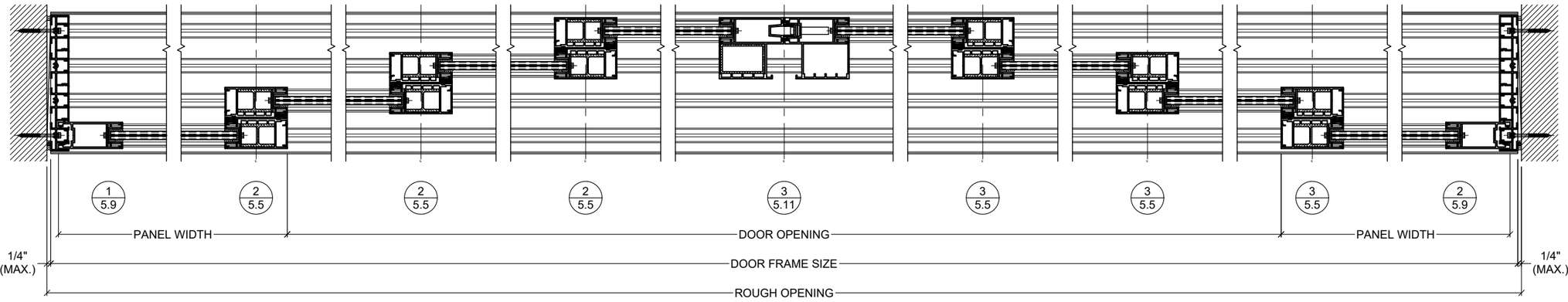

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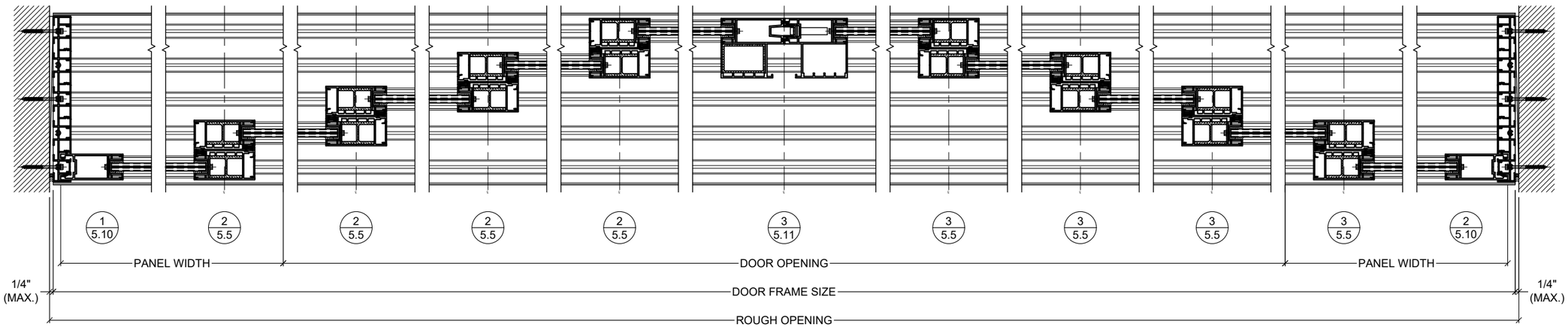

EXTERIOR

REVISIONS:

NO.	DATE:	DESCRIPTION:
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3		
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CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E.
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PROJECT:

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PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:

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TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

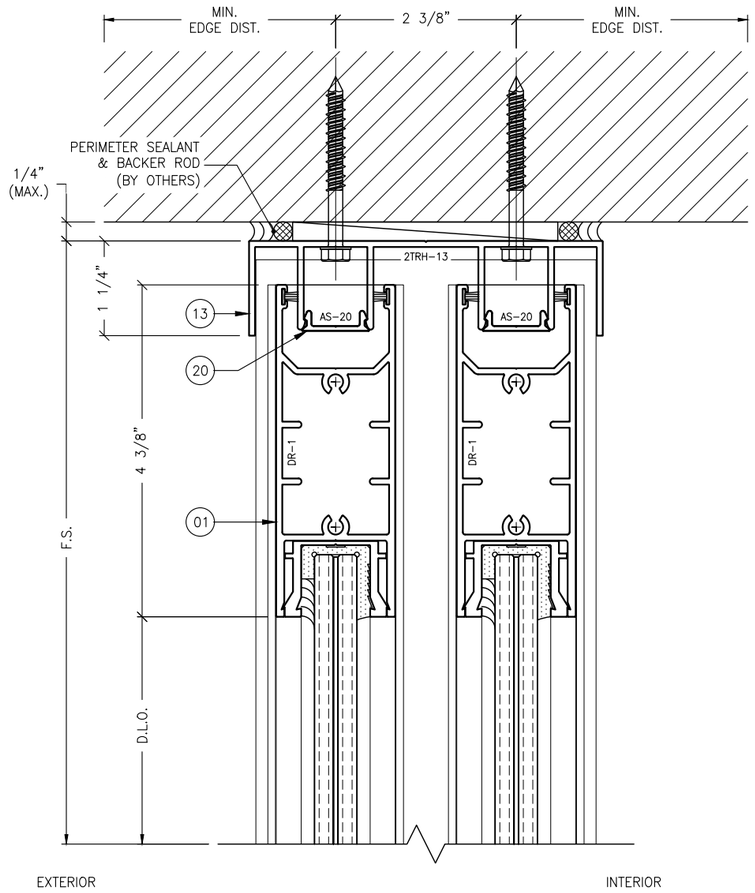
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL LAYOUTS

SCALE: 1-1/2" = 1'-0" [1:8]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
4.1 06 of 41
JOB NO. 0000-00



1 5.0 HEAD DETAIL TYPICAL

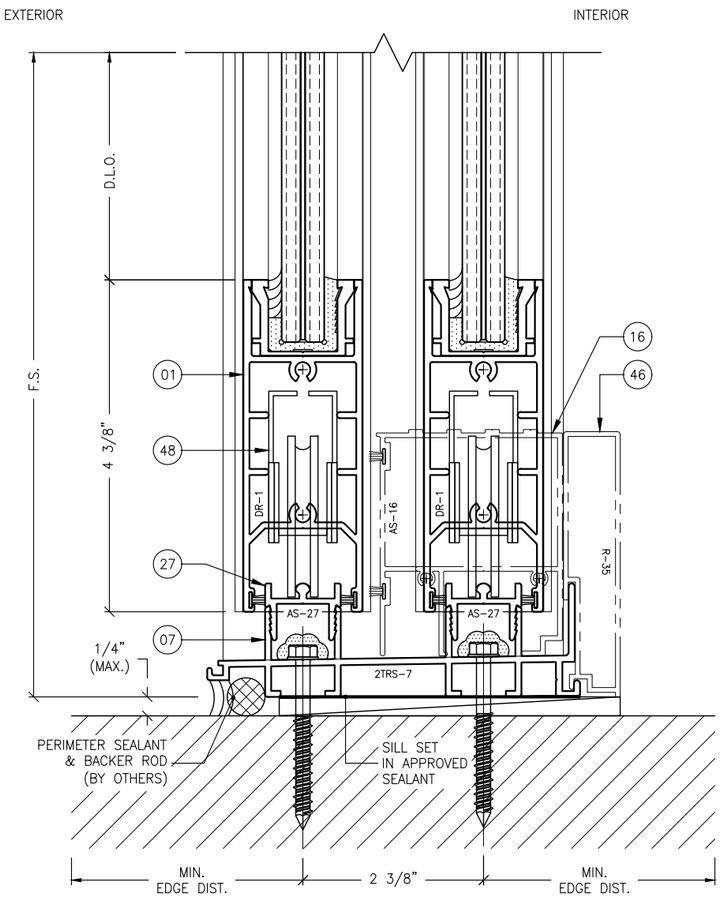
ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

AT HEAD:	SHEETS 8.0 THRU 8.3;
AT SILL:	SHEETS 8.4 THRU 8.8;
AT JAMBS:	SHEETS 8.9 THRU 8.12.

ACCESSORY NOTES:

1. THE FOLLOWING PART NO'S., (ITEM NO'S.), AS SHOWN FOR REFERENCE ONLY, ARE OPTIONAL COMPONENTS AS APPLICATIONS WILL VARY BASED ON FRAME CONFIGURATIONS; REFER TO SECTIONS 7.0 AND 10.0 FOR MORE INFORMATION:
   - A. AS-16, (16), THRESHOLD STEP COVER.
   - B. AS-17, (17), HEAD/SILL BUMPER COVER.
   - C. ALL SILL RISERS, (42 THRU 47) REQUIRED FOR DESIGN LOADS AT ±60.0 PSF AND GREATER.



2 5.0 SILL DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
2		
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4		
5		
6		

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020); FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA. 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

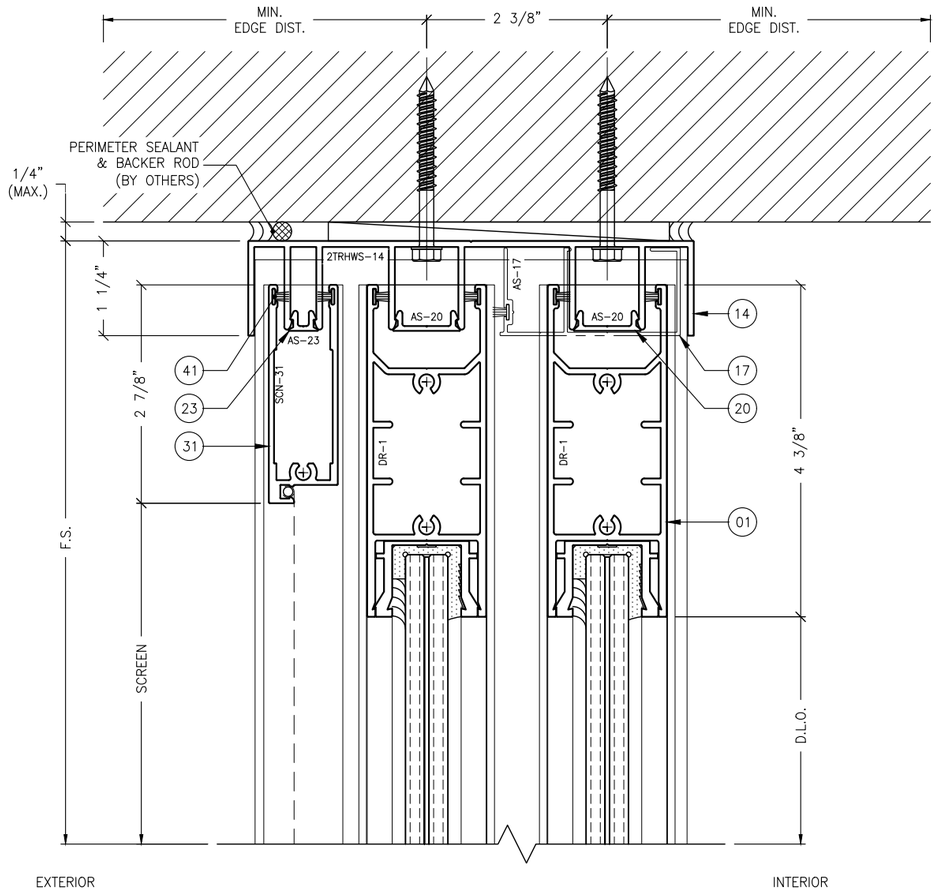
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
5.0 07 of 41
JOB NO. 0000-00



1 5.1 HEAD DETAIL
TYPICAL W/ SCREEN

ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.

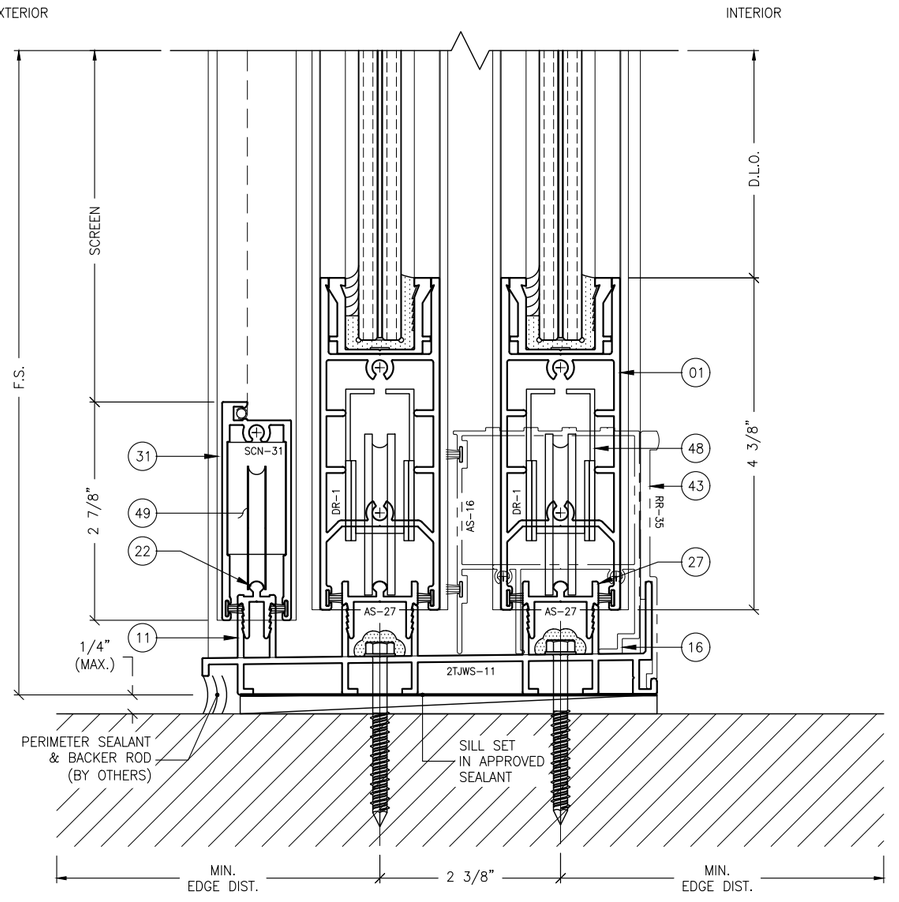
ACCESSORY NOTES:

1. THE FOLLOWING PART NO'S., (ITEM NO'S.), AS SHOWN FOR REFERENCE ONLY, ARE OPTIONAL COMPONENTS AS APPLICATIONS WILL VARY BASED ON FRAME CONFIGURATIONS; REFER TO SECTIONS 7.0 AND 10.0 FOR MORE INFORMATION:

   A. AS-16, (16), THRESHOLD STEP COVER.

   B. AS-17, (17), HEAD/SILL BUMPER COVER.

   C. ALL SILL RISERS, (42 THRU 47) REQUIRED FOR DESIGN LOADS AT ±60.0 PSF AND GREATER.



2 5.1 SILL DETAIL
TYPICAL W/ SCREEN

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		-
2		-
3		-
4		-
5		-

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA. 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

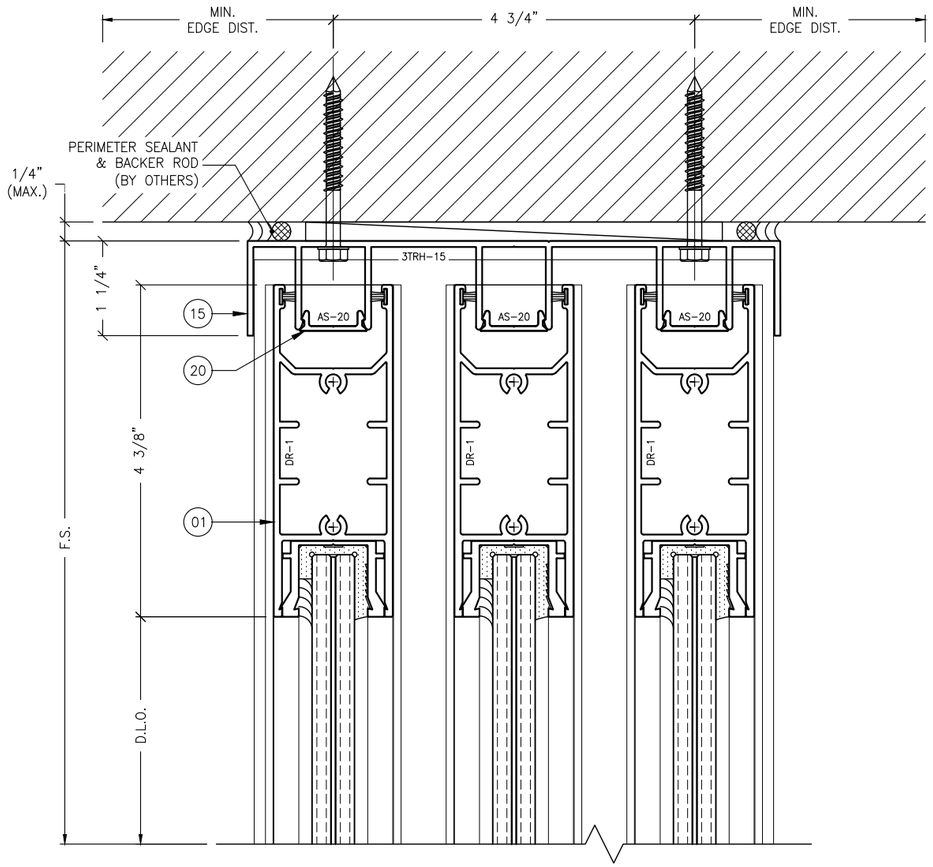
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
5.1 08 of 41
JOB NO. 0000-00



1 / 5.2 HEAD DETAIL TYPICAL

ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

AT HEAD:	SHEETS 8.0 THRU 8.3;
AT SILL:	SHEETS 8.4 THRU 8.8;
AT JAMBS:	SHEETS 8.9 THRU 8.12.

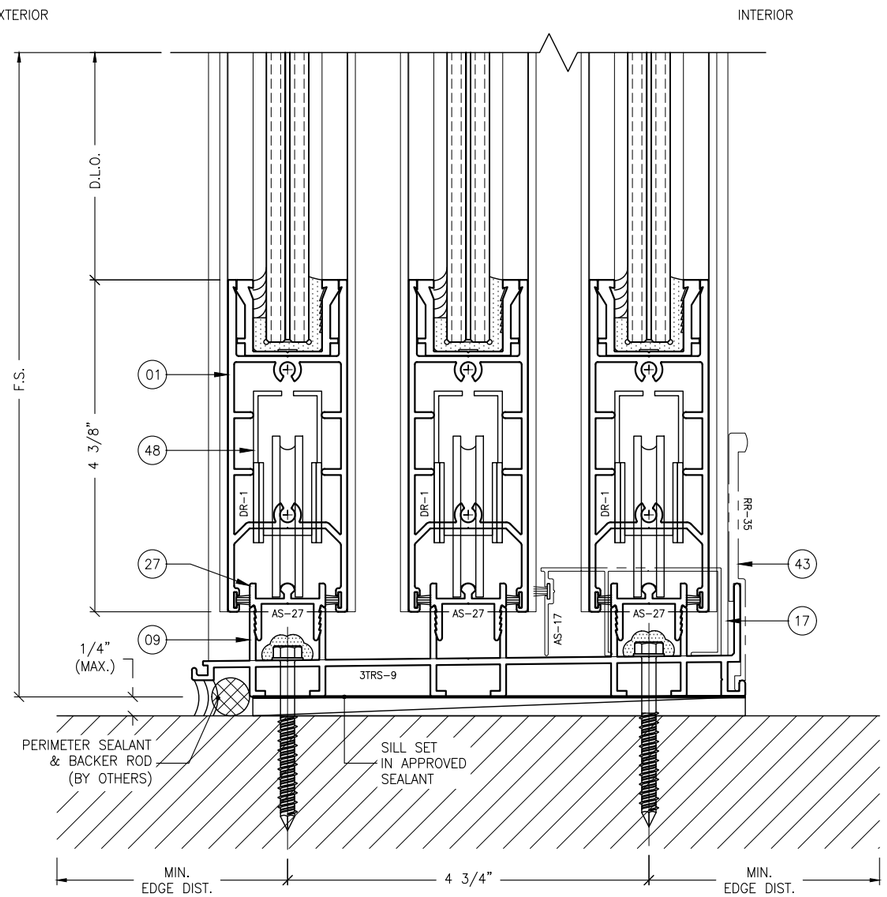
ACCESSORY NOTES:

1. THE FOLLOWING PART NO'S., (ITEM NO'S.), AS SHOWN FOR REFERENCE ONLY, ARE OPTIONAL COMPONENTS AS APPLICATIONS WILL VARY BASED ON FRAME CONFIGURATIONS; REFER TO SECTIONS 7.0 AND 10.0 FOR MORE INFORMATION:

   A. AS-16, (16), THRESHOLD STEP COVER.

   B. AS-17, (17), HEAD/SILL BUMPER COVER.

   C. ALL SILL RISERS, (42 THRU 47) REQUIRED FOR DESIGN LOADS AT ±60.0 PSF AND GREATER.



2 / 5.2 SILL DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
2		
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4		
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CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHRISTOPHER STANTON, P.E. FL# 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:

SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020); FL# 31650.1

OWNER:

VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA. 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

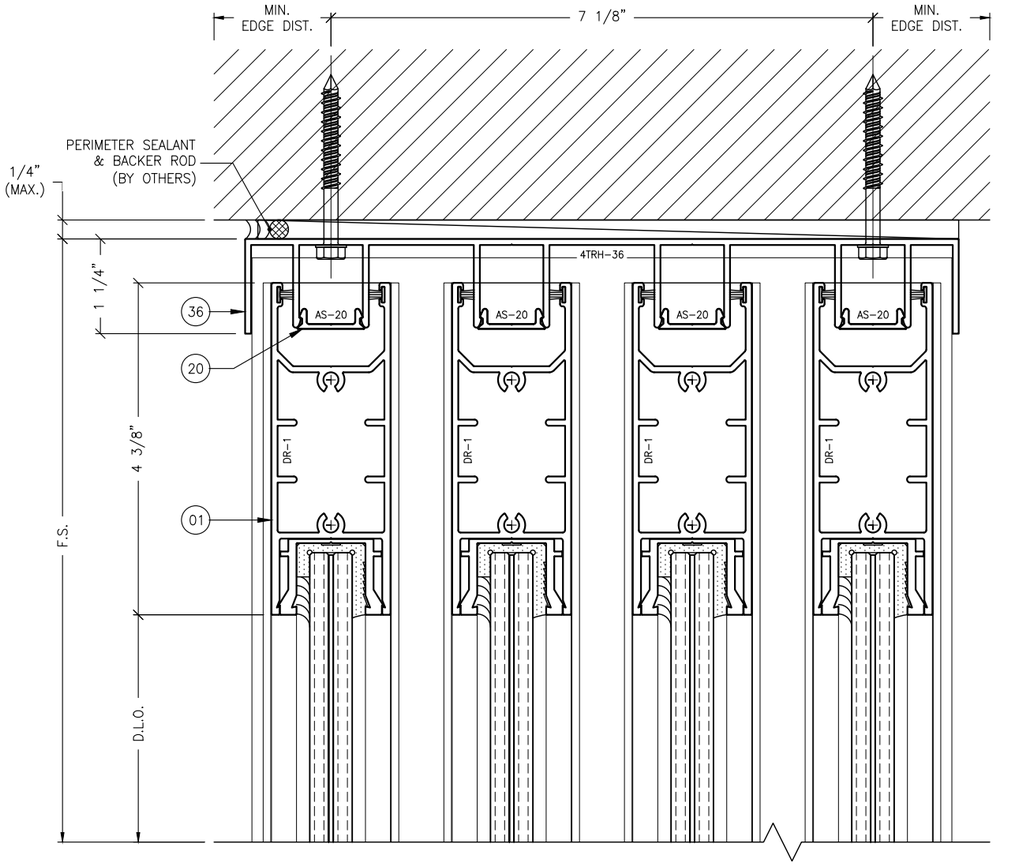
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
5.2 09 of 41
JOB NO. 0000-00



1 / 5.3 HEAD DETAIL TYPICAL

ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.

ACCESSORY NOTES:

1. THE FOLLOWING PART NO'S., (ITEM NO'S.), AS SHOWN FOR REFERENCE ONLY, ARE OPTIONAL COMPONENTS AS APPLICATIONS WILL VARY BASED ON FRAME CONFIGURATIONS; REFER TO SECTIONS 7.0 AND 10.0 FOR MORE INFORMATION:

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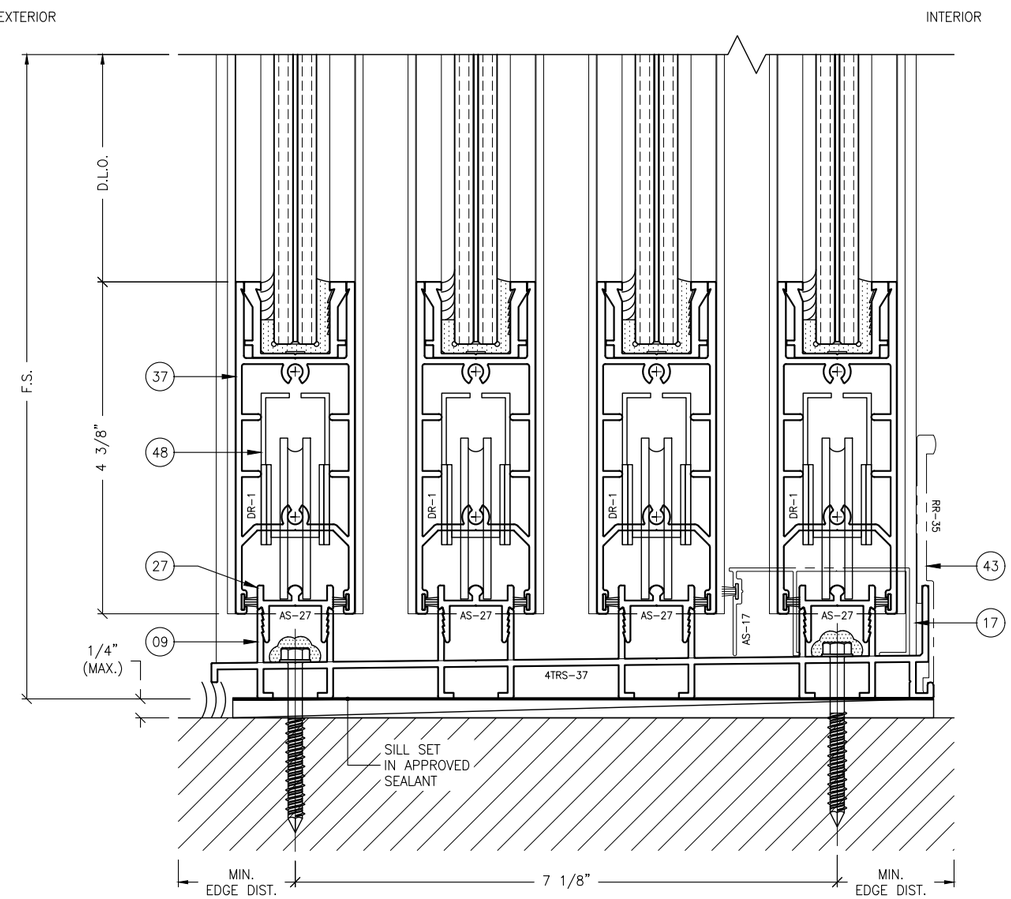
   B. AS-17, (17), HEAD/SILL BUMPER COVER.

   C. ALL SILL RISERS, (42 THRU 47) REQUIRED FOR DESIGN LOADS AT ±60.0 PSF AND GREATER.



2 / 5.3 SILL DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
2		
3		
4		
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CRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHRISTOPHER STANTON, PE FLORIDA P.E.# 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:

SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:

VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA. 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

VELOCITY

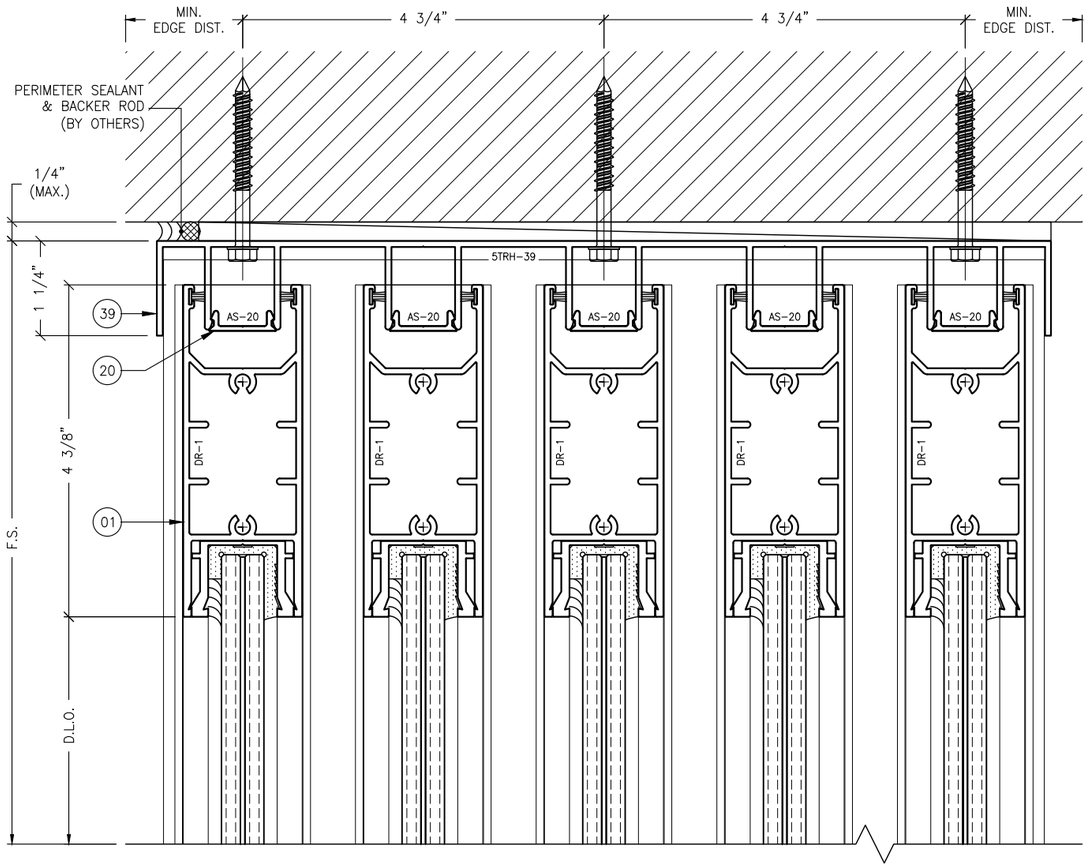
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
5.3 10 of 41
JOB NO. 0000-00



1 / 5.4 HEAD DETAIL TYPICAL

ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

AT HEAD: SHEETS 8.0 THRU 8.3;
AT SILL: SHEETS 8.4 THRU 8.8;
AT JAMBS: SHEETS 8.9 THRU 8.12.

ACCESSORY NOTES:

1. THE FOLLOWING PART NO'S., (ITEM NO'S.), AS SHOWN FOR REFERENCE ONLY, ARE OPTIONAL COMPONENTS AS APPLICATIONS WILL VARY BASED ON FRAME CONFIGURATIONS; REFER TO SECTIONS 7.0 AND 10.0 FOR MORE INFORMATION:

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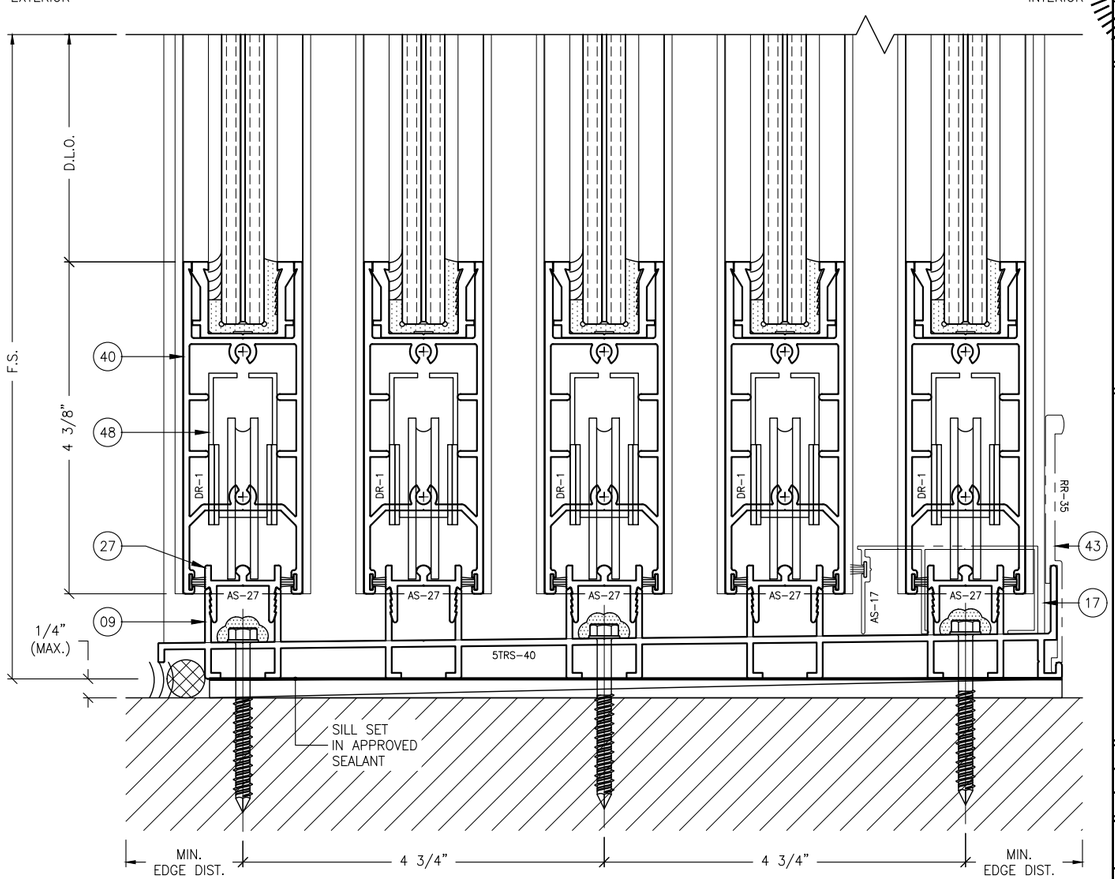
B. AS-17, (17), HEAD/SILL BUMPER COVER.

C. ALL SILL RISERS, (42 THRU 47) REQUIRED FOR DESIGN LOADS AT ±60.0 PSF AND GREATER.



2 / 5.4 SILL DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
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4		
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CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHRISTOPHER STANTON, P.E. FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:

SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:

VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA. 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE: 6" = 1'-0" [1:2]

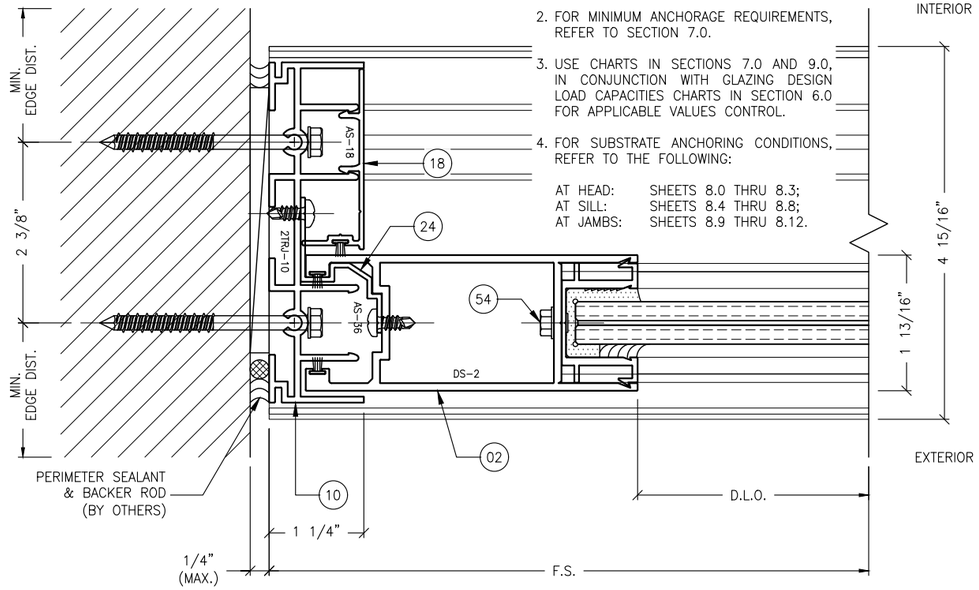
PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
5.4 11 of 41
JOB NO. 0000-00

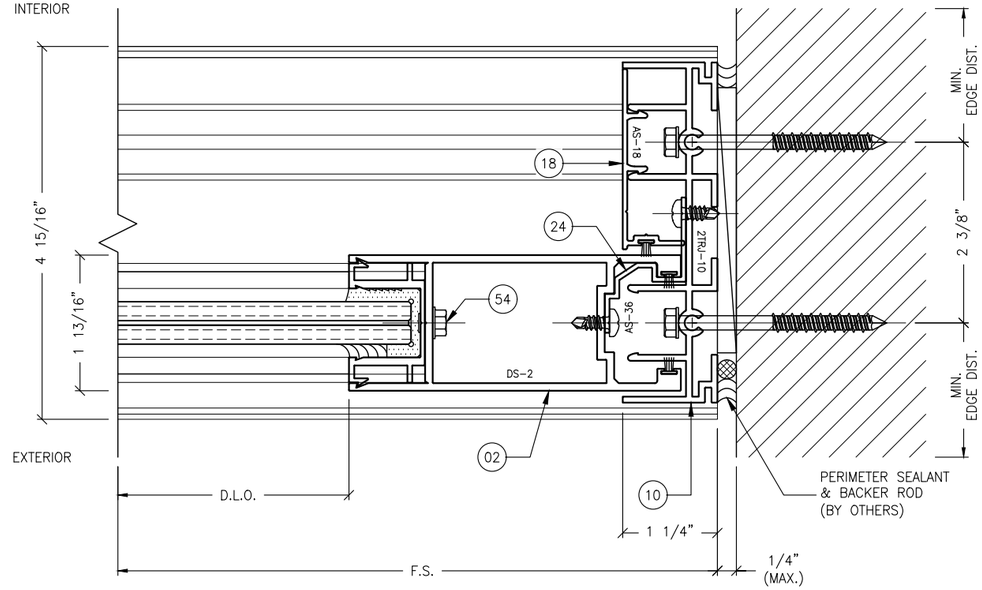
ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

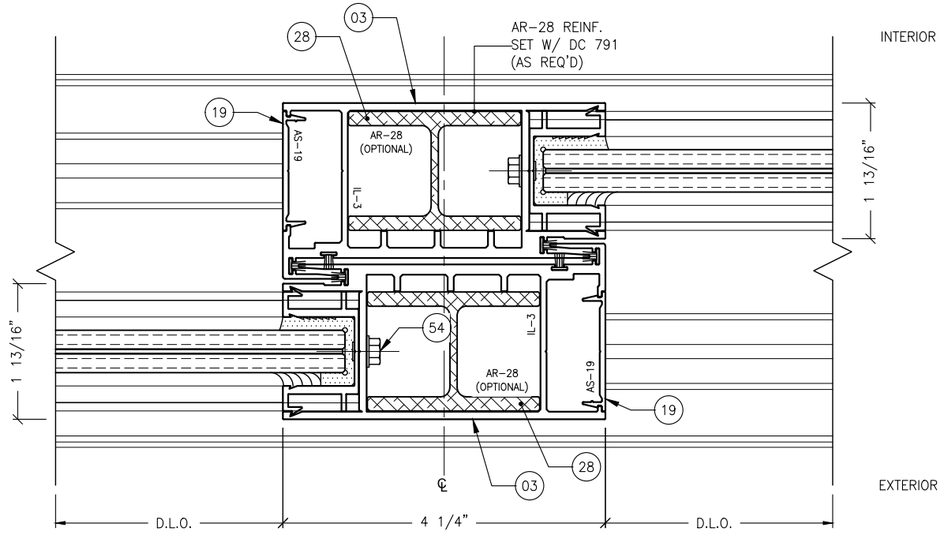
   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.



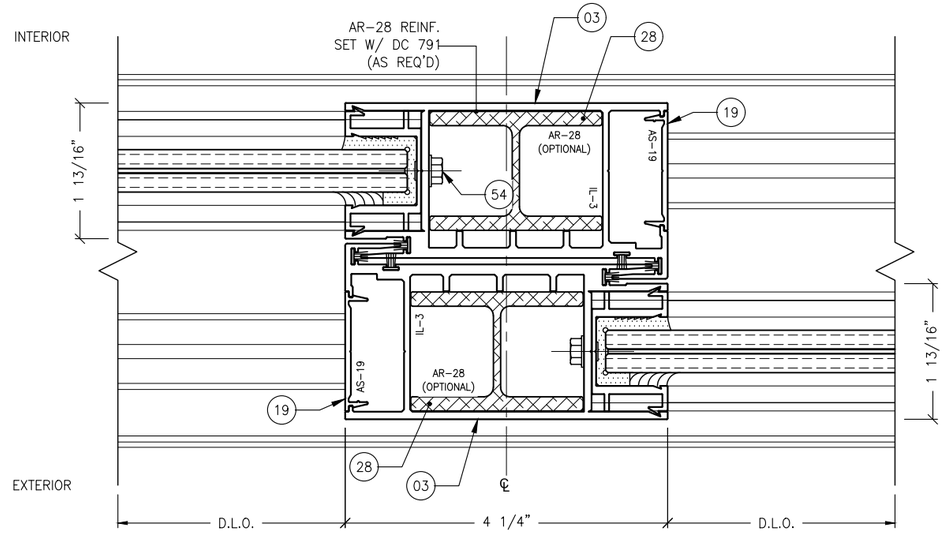
1 / 5.5 JAMB DETAIL TYPICAL



4 / 5.5 JAMB DETAIL TYPICAL



2 / 5.5 INTERLOCK DETAIL TYPICAL



3 / 5.5 INTERLOCK DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E. FLA. REG. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L. WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

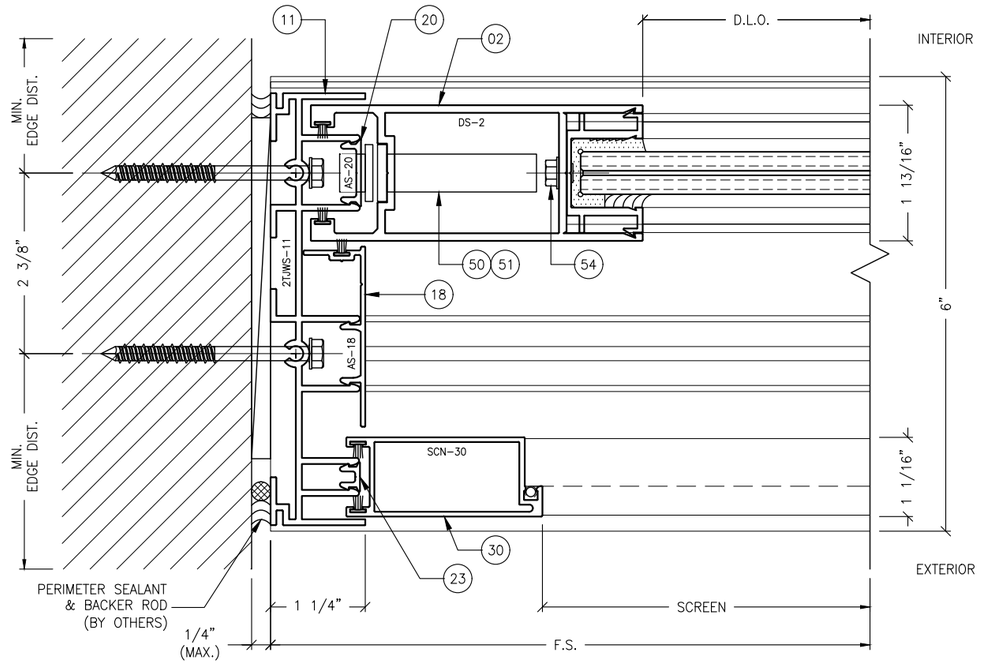
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

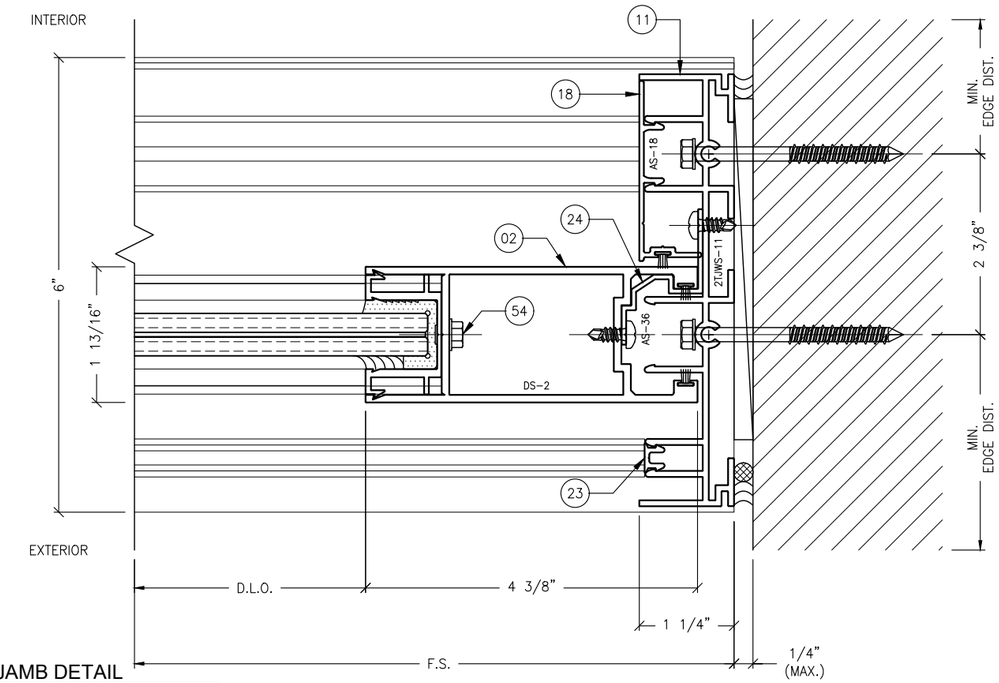
SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

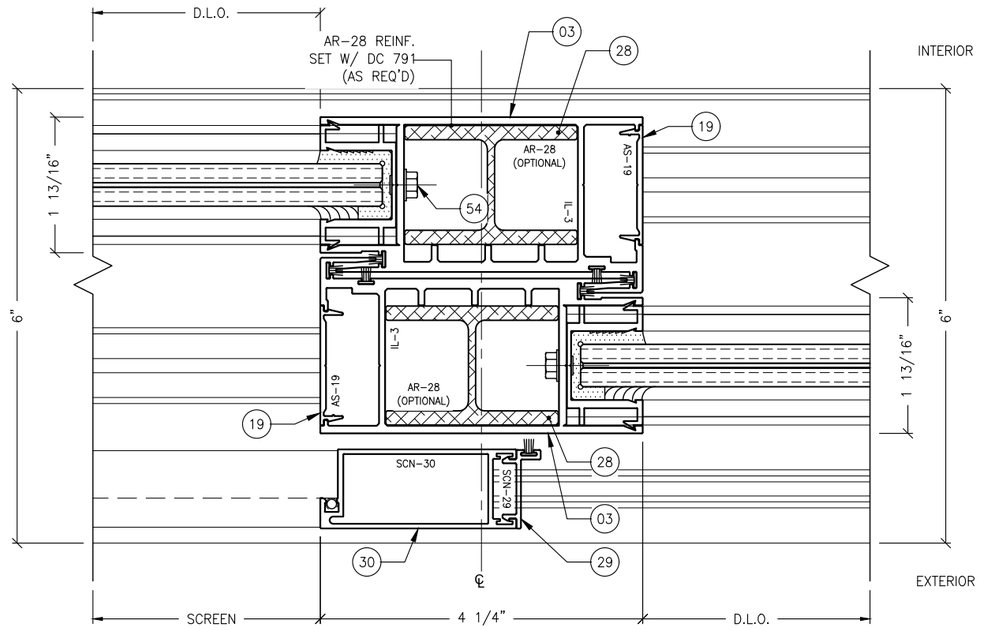
SHEET NO.
5.5 12 of 41
JOB NO. 0000-00



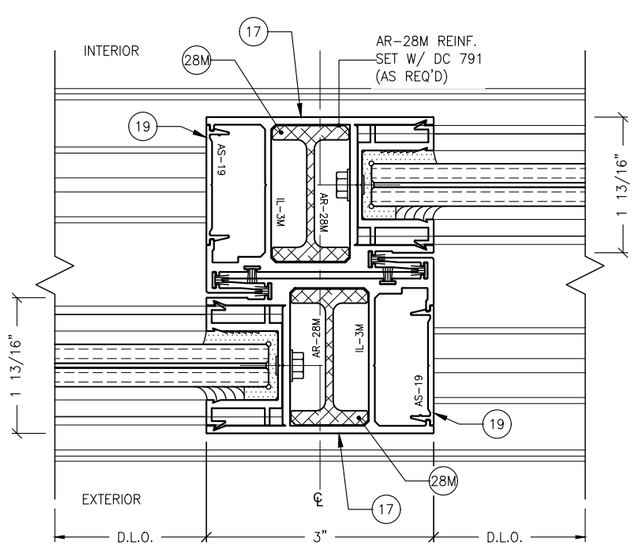
1 5.6 JAMB DETAIL TYPICAL, W/ SCREEN



3 5.6 JAMB DETAIL TYPICAL, W/ SCREEN



2 5.6 INTERLOCK DETAIL TYPICAL, W/ SCREEN



4 5.6 INTERLOCK DETAIL ALTERNATE

ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.

PANEL DESIGN PRESSURE NOTES:
(FOR NARROW INTERLOCK STILES ONLY.)

MAXIMUM PANEL SIZE:

60" X 120" −70.0 PSF/+70.0 PSF

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
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CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561)393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L. WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE: 6" = 1'-0" [1:2]

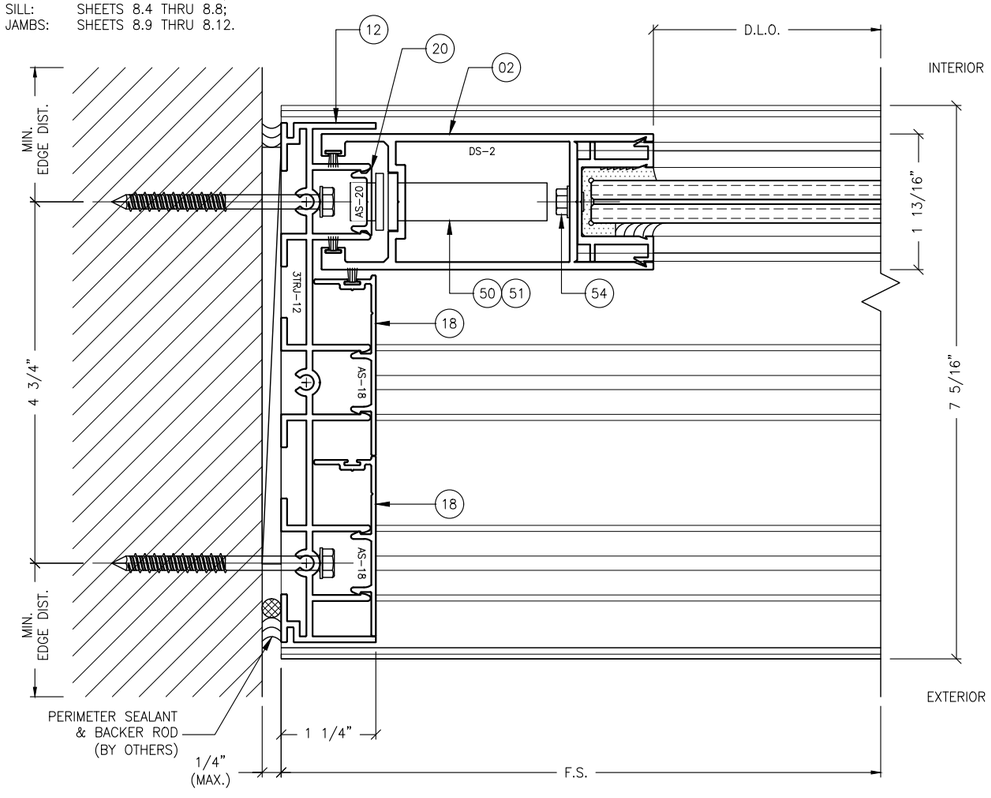
PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
5.6 13 of 41
JOB NO. 0000-00

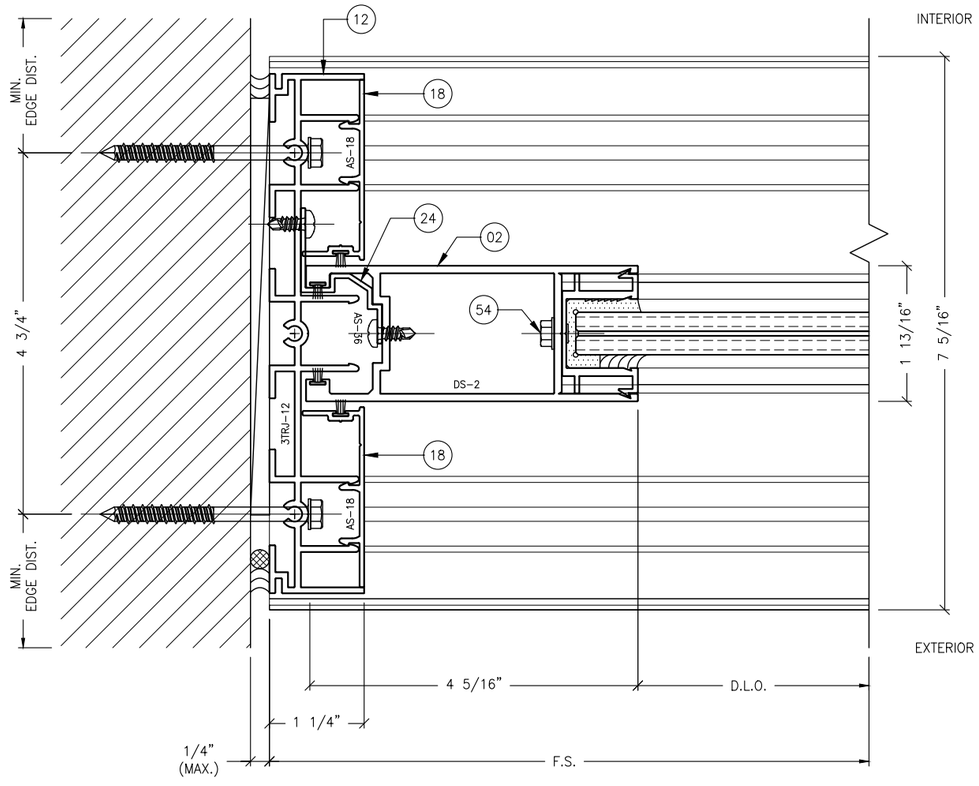
ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.



1 / 5.7 JAMB DETAIL TYPICAL



2 / 5.7 JAMB DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
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3	-	-
4	-	-
5	-	-

CRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHRISTOPHER STANTON, PE FL# P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L. WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

SHEET NO.
5.7
14 of 41
JOB NO. 0000-00

ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

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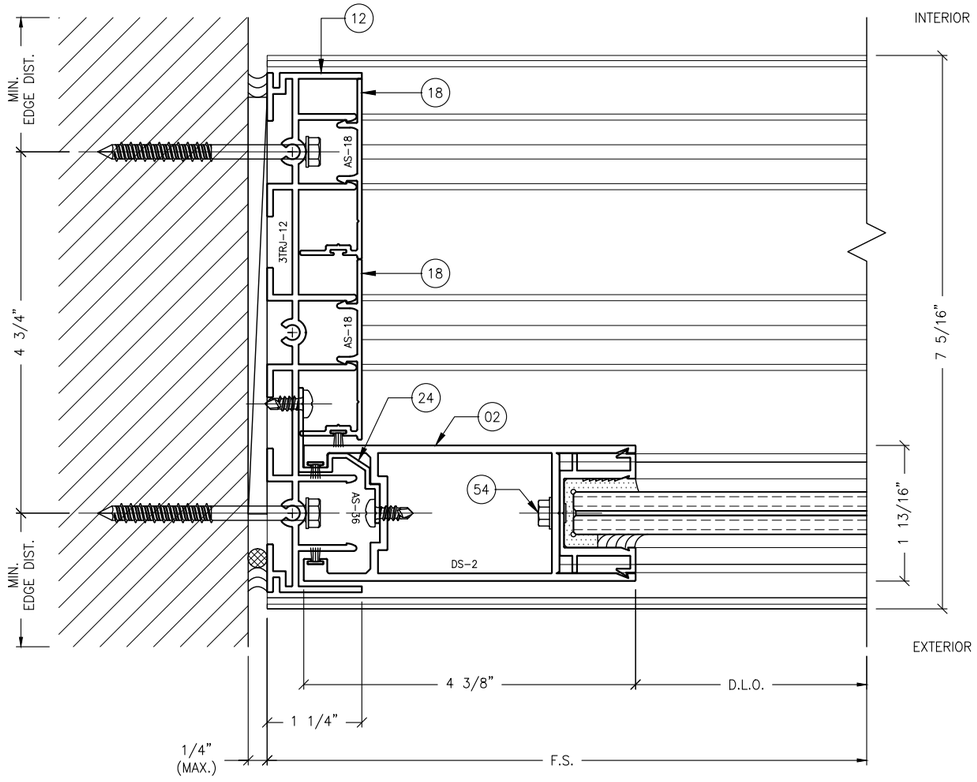
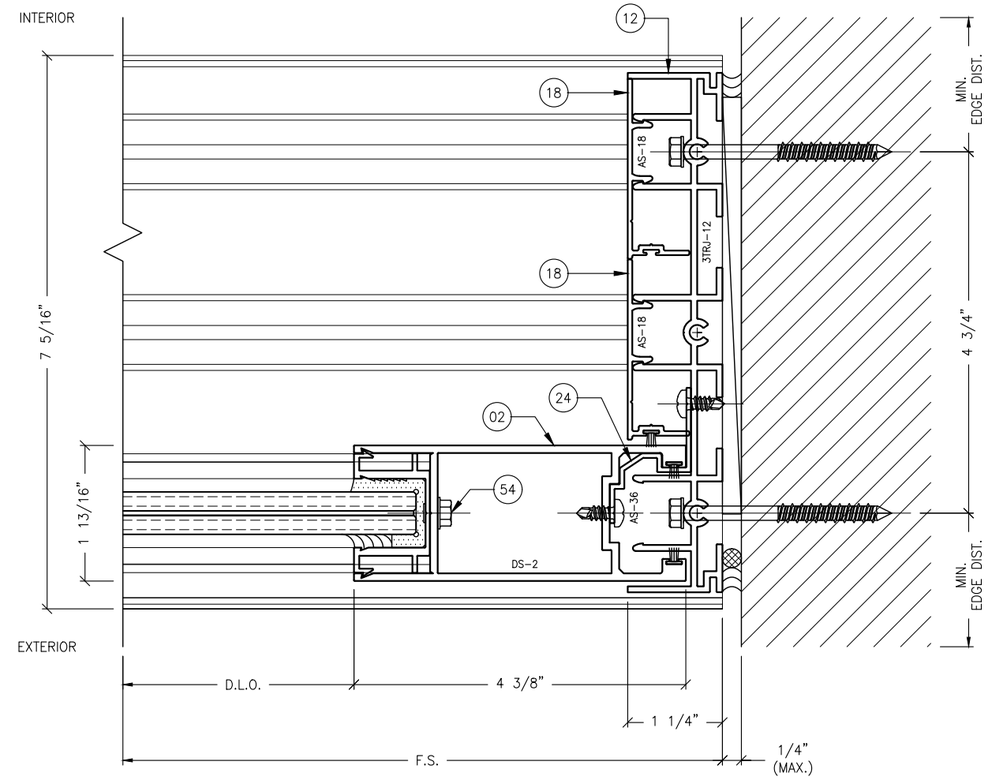
AT SILL: SHEETS 8.4 THRU 8.8;
AT JAMBS: SHEETS 8.9 THRU 8.12.



1/5.8 JAMB DETAIL TYPICAL



2/5.8 JAMB DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-

CRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, PE FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

PROJECT:

OWNER:
VELOCITY IMPACT PRODUCTS
2220 AVENUE L. WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE: 6" = 1'-0" [1:2]

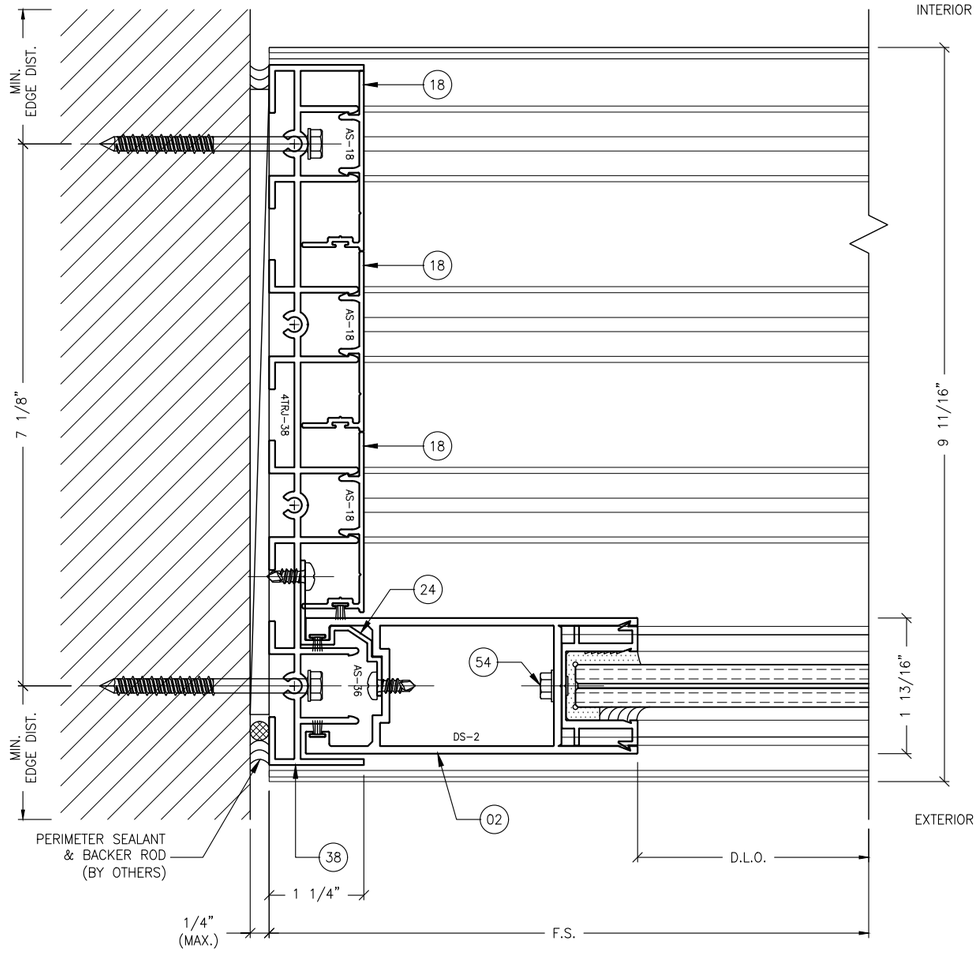
PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
5.8
15 of 41
JOB NO. 0000-00

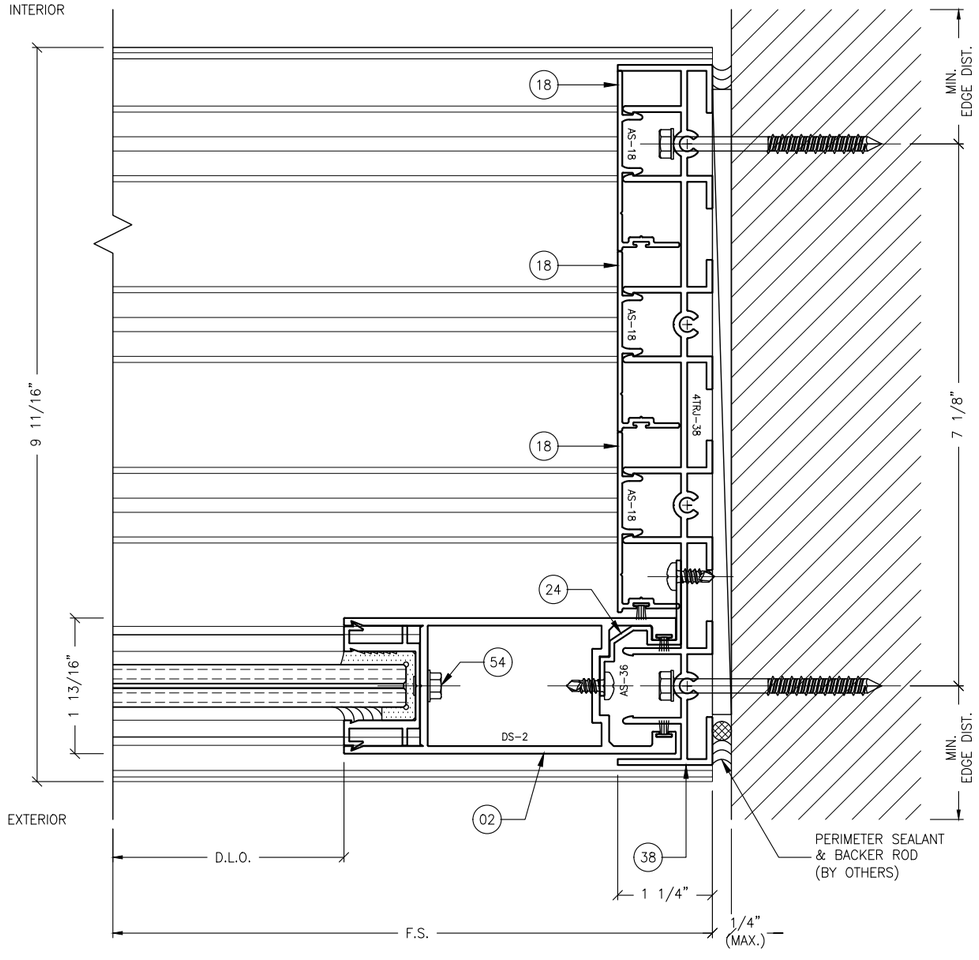
ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.



1/5.9 JAMB DETAIL TYPICAL



2/5.9 JAMB DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
1	-	-
1	-	-
1	-	-
1	-	-

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
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2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
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2200 AVENUE L. WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

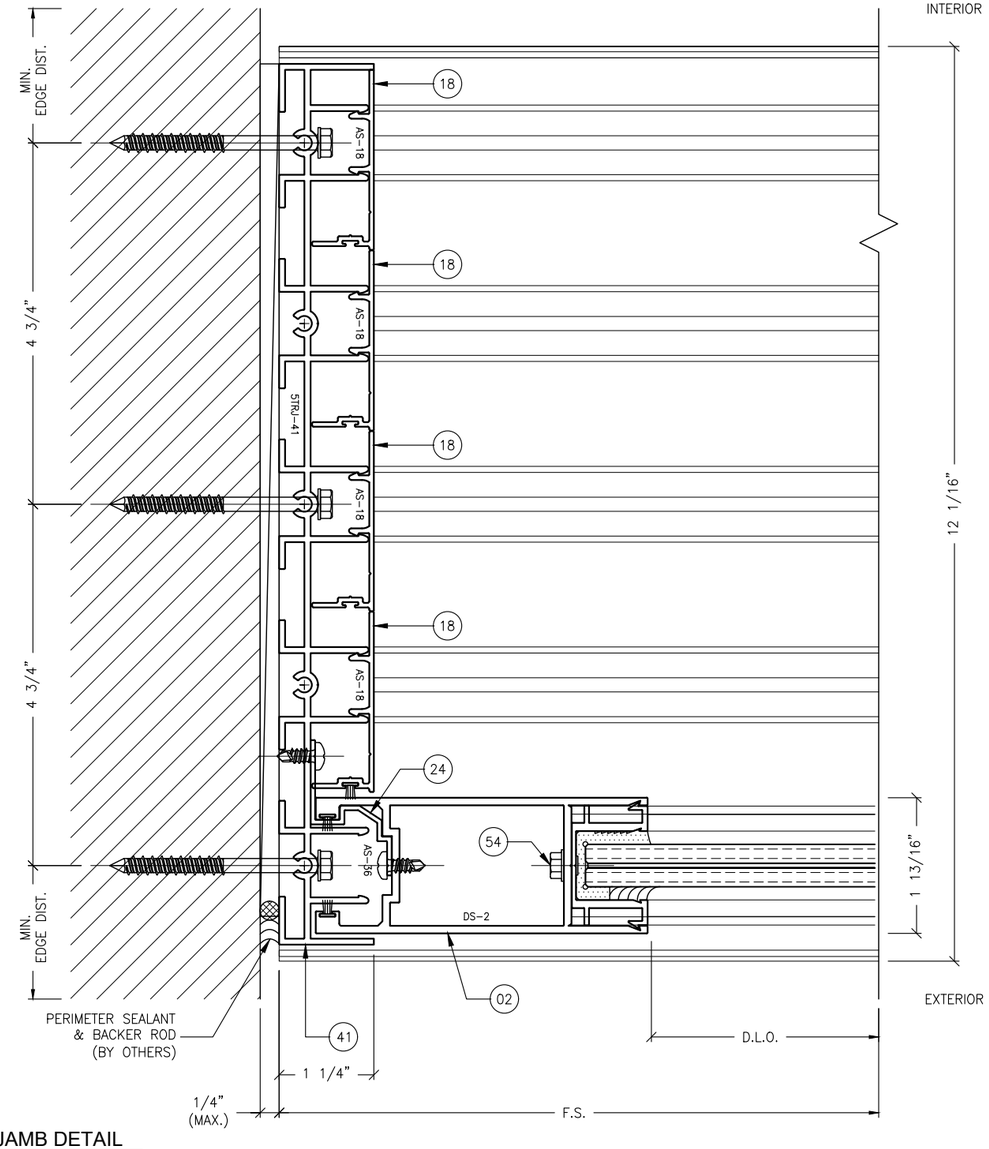
SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

SHEET NO.
5.9 16 of 41
JOB NO. 0000-00

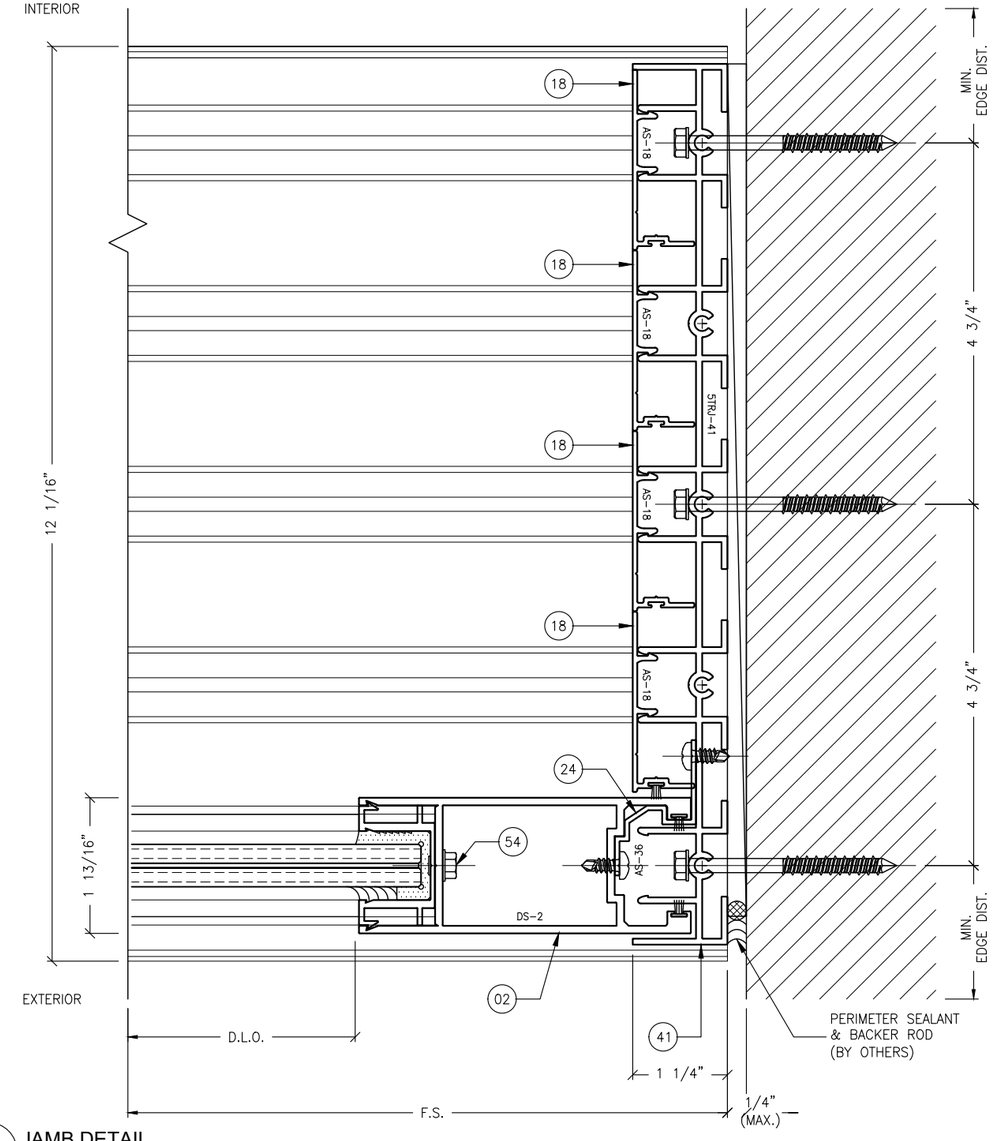
ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.



1 / 5.10 JAMB DETAIL TYPICAL



2 / 5.10 JAMB DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

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TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
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TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

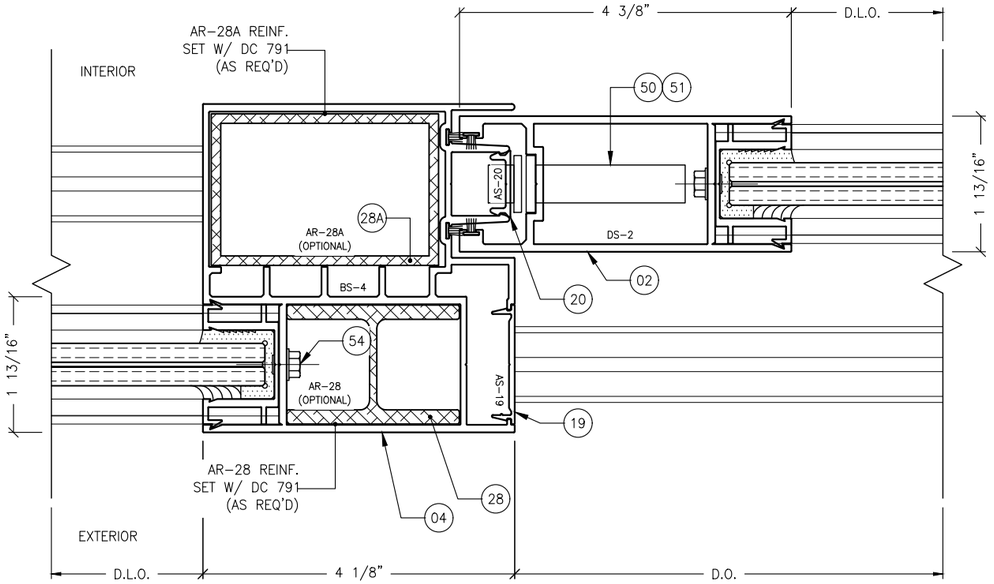
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

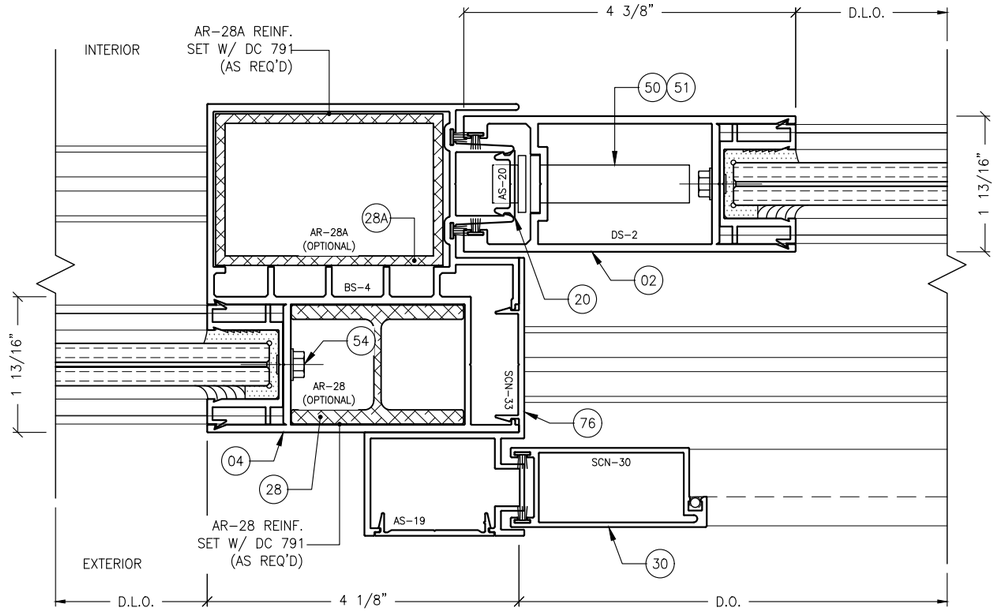
SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

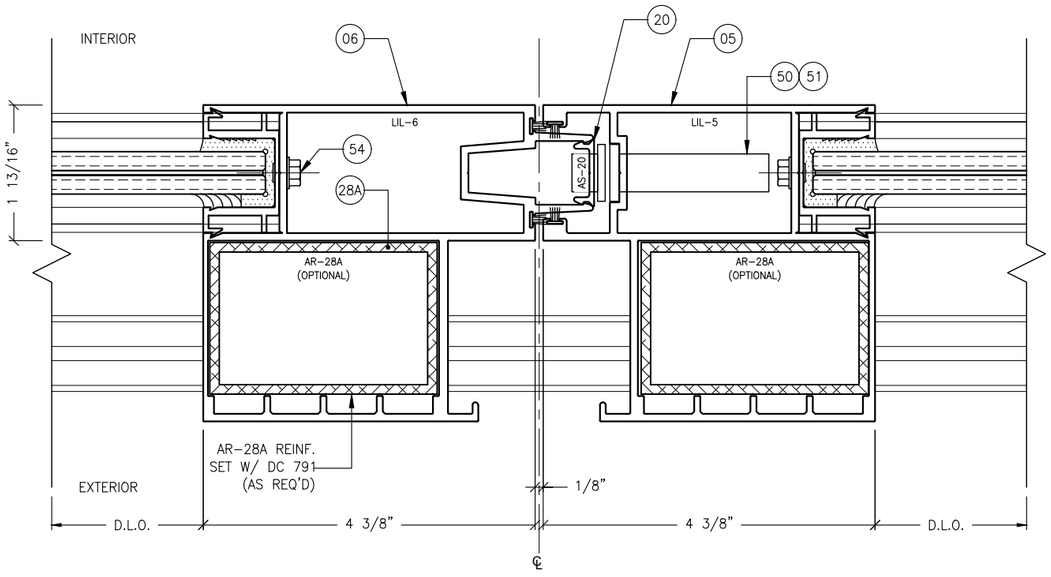
SHEET NO.
5.10 17 of 41
JOB NO. 0000-00



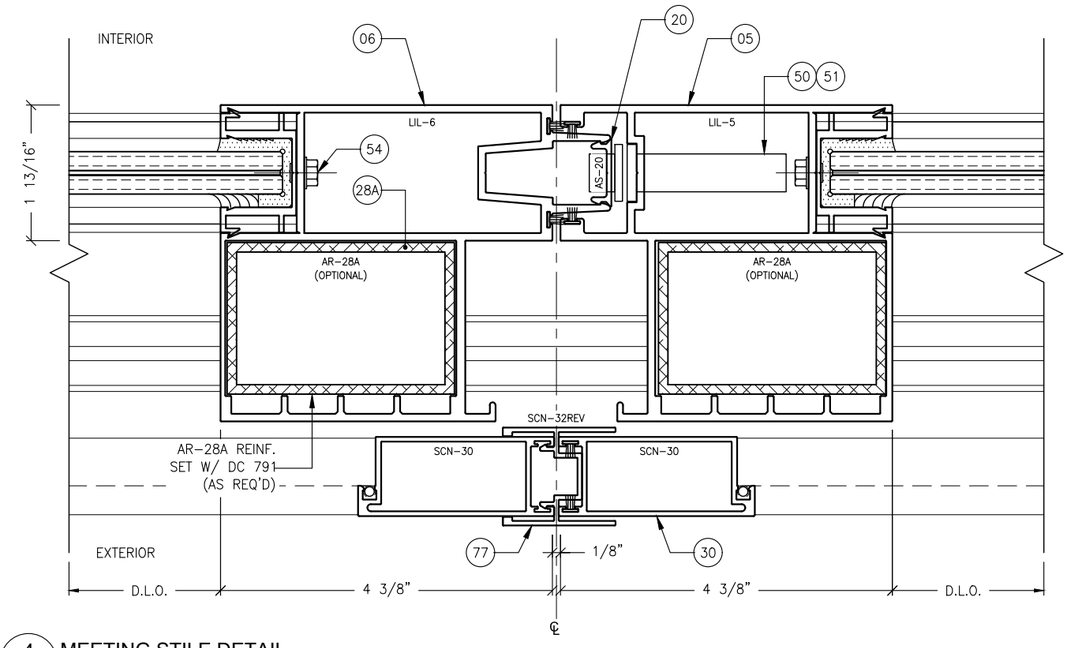
1 5.11 OFFSET MEETING STILE DETAIL TYPICAL



2 5.11 OFFSET MEETING STILE DETAIL TYPICAL W/ SCREEN



3 5.11 MEETING STILE DETAIL TYPICAL



4 5.11 MEETING STILE DETAIL TYPICAL W/ SCREEN

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		-
2		-
3		-
4		-
5		-

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, PE
FLA. REG. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

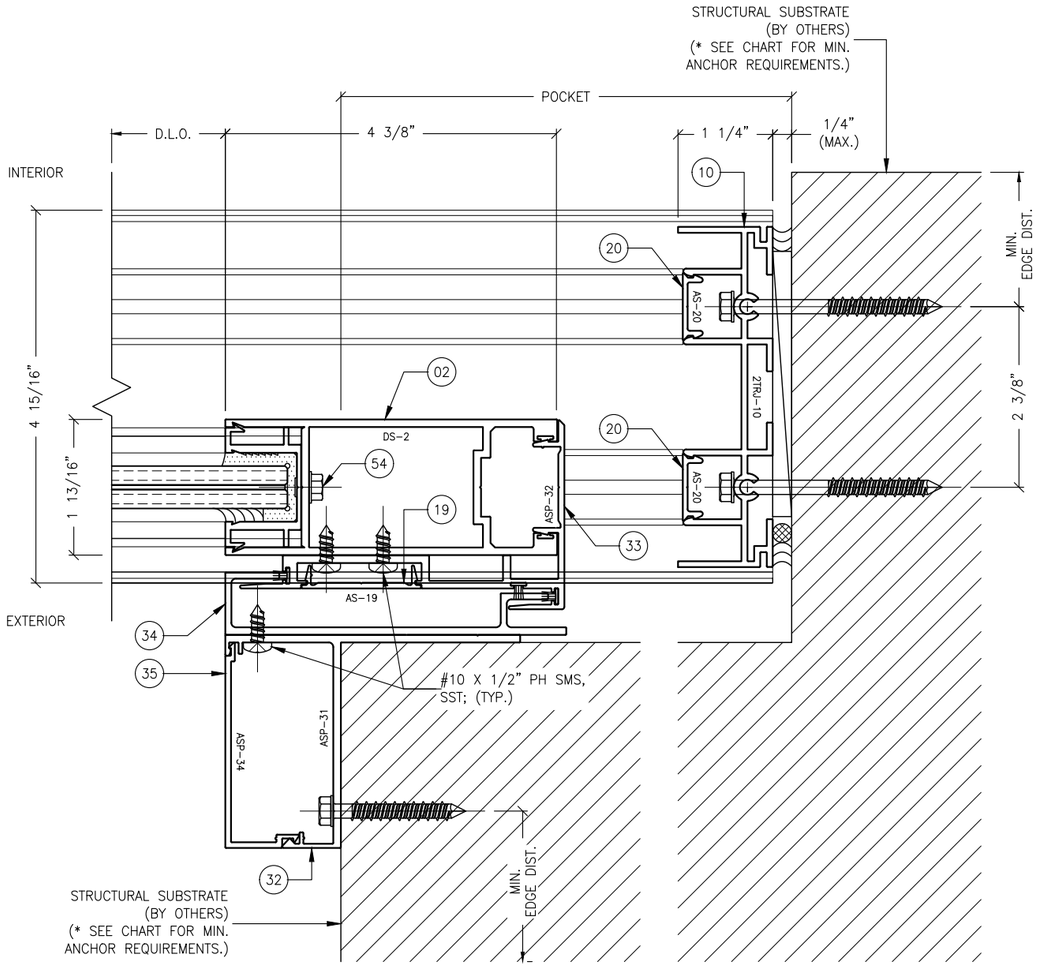
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
5.11 18 of 41
JOB NO. 0000-00

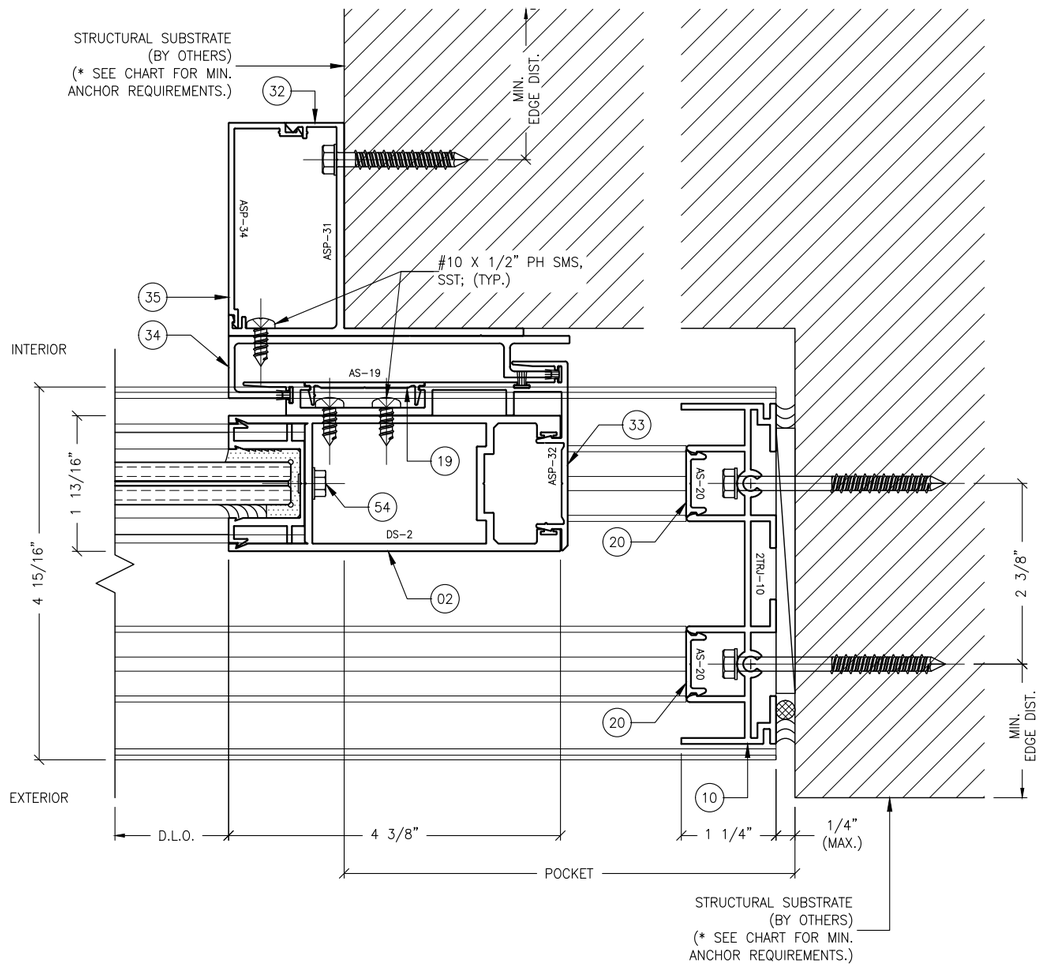


ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. FOR MINIMUM ANCHORAGE REQUIREMENTS, REFER TO SECTION 7.0.
3. USE CHARTS IN SECTIONS 7.0 AND 9.0, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
4. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

AT HEAD:	SHEETS 8.0 THRU 8.3;
AT SILL:	SHEETS 8.4 THRU 8.8;
AT JAMBS:	SHEETS 8.9 THRU 8.12.

1 5.12 INTERIOR POCKET JAMB DETAIL TYPICAL



2 5.12 EXTERIOR POCKET JAMB DETAIL TYPICAL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-

SHOP DRAWINGS NOT APPROVED FOR STRUCTURAL ENGINEERING (SEE)

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, PE
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
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TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

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2200 AVENUE L, WEST PALM BEACH, FLORIDA. 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
TYPICAL DETAILS

SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

SHEET NO.
5.12 19 of 41
JOB NO. 0000-00

CHART 6.0.1 GLAZING LOAD CAPACITY, (PSF)

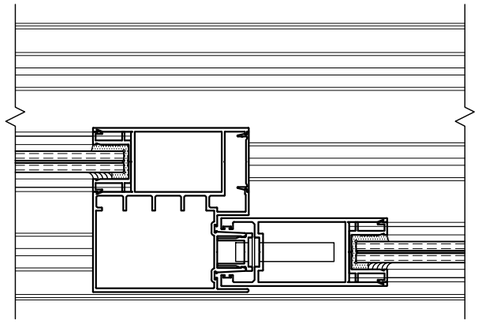
NOMINAL PANEL WIDTH (INCHES)	DOOR FRAME HEIGHT (INCHES)	GLAZING OPTIONS W/O REINFORCEMENT			
		TYPE A		TYPE B	
		NEG.	POS.	NEG.	POS.
24	84	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0
54		90.0	90.0	90.0	90.0
60		80.0	80.0	80.0	80.0
63		70.0	70.0	70.0	70.0
66		70.0	70.0	70.0	70.0
70		70.0	70.0	70.0	70.0
72		70.0	70.0	70.0	70.0
24	90	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0
54		80.0	80.0	80.0	80.0
60		70.0	70.0	70.0	70.0
63		70.0	70.0	70.0	70.0
66		70.0	70.0	70.0	70.0
70		70.0	70.0	70.0	70.0
72		70.0	70.0	70.0	70.0
24	96	90.0	90.0	90.0	90.0
30		90.0	90.0	90.0	90.0
36		90.0	90.0	90.0	90.0
42		90.0	90.0	90.0	90.0
48		90.0	90.0	90.0	90.0
54		80.0	80.0	80.0	80.0
60		70.0	70.0	70.0	70.0
63		70.0	70.0	70.0	70.0
66		70.0	70.0	70.0	70.0
70		70.0	70.0	70.0	70.0
72		70.0	70.0	70.0	70.0
24	102	80.0	80.0	80.0	80.0
30		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0
63		70.0	70.0	70.0	70.0
66		70.0	70.0	70.0	70.0
70		70.0	70.0	70.0	70.0
24	108	80.0	80.0	80.0	80.0
30		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		70.0	70.0	70.0	70.0
60		70.0	70.0	70.0	70.0
63		70.0	70.0	70.0	70.0
66		67.3	67.3	67.3	67.3
24	114	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0
54		70.0	70.0	70.0	70.0
60		66.4	66.4	66.4	66.4
63		63.3	63.3	63.3	63.3
24	120	70.0	70.0	70.0	70.0
30		70.0	70.0	70.0	70.0
36		70.0	70.0	70.0	70.0
42		70.0	70.0	70.0	70.0
48		70.0	70.0	70.0	70.0
54		66.5	66.5	66.5	66.5
60		60.0	60.0	60.0	60.0

CHART 6.0.2 GLAZING LOAD CAPACITY, (PSF)

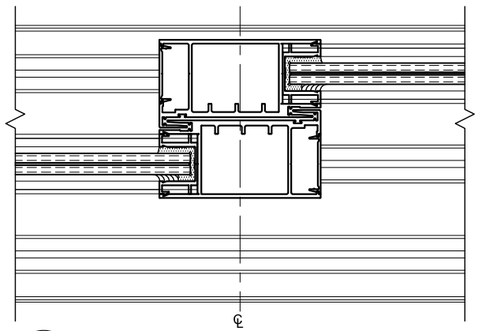
NOMINAL PANEL WIDTH (INCHES)	DOOR FRAME HEIGHT (INCHES)	GLAZING OPTIONS W/ REINFORCEMENT			
		TYPE A		TYPE B	
		NEG.	POS.	NEG.	POS.
24	84	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
54		140.0	140.0	140.0	140.0
60		140.0	140.0	140.0	140.0
63		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
70		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
24	90	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
54		140.0	140.0	140.0	140.0
60		80.0	80.0	80.0	80.0
63		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
70		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
24	96	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
54		140.0	135.0	140.0	135.0
60		80.0	80.0	80.0	80.0
63		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
70		80.0	80.0	80.0	80.0
72		80.0	80.0	80.0	80.0
24	102	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
48		140.0	134.5	140.0	134.5
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
63		80.0	80.0	80.0	80.0
66		80.0	80.0	80.0	80.0
70		80.0	80.0	80.0	80.0
24	108	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	137.0	140.0	137.0
48		130.0	120.0	130.0	120.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
63		80.0	80.0	80.0	80.0
66		78.5	78.5	78.5	78.5
24	114	80.0	80.0	80.0	80.0
30		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		77.5	77.5	77.5	77.5
63		73.8	73.8	73.8	73.8
24	120	80.0	80.0	80.0	80.0
30		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		77.8	77.8	77.8	77.8
60		70.0	70.0	70.0	70.0

GLAZING NOTES:

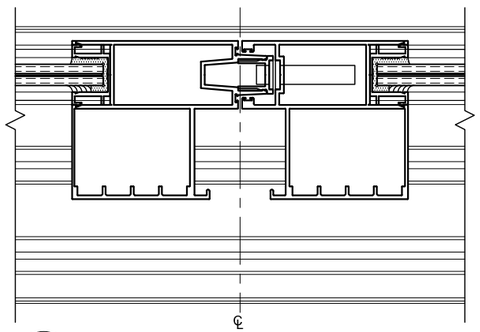
1. USE THIS CHART IN CONJUNCTION WITH GLAZING TYPES ILLUSTRATED IN SECTION 9.0 FOR GLASS MAKE-UP COMPOSITION.
2. APPLIED WITHOUT REINFORCEMENT.



1 / 6.0 OFFSET MEETING STILE W/O REINFORCEMENT



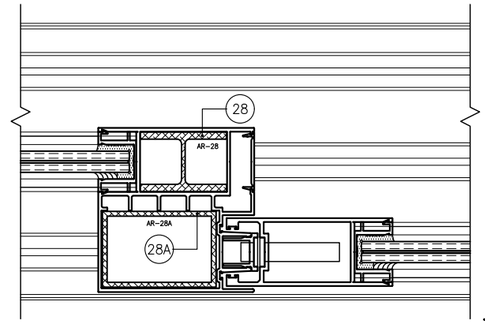
2 / 6.0 INTERLOCK STILE W/O REINFORCEMENT



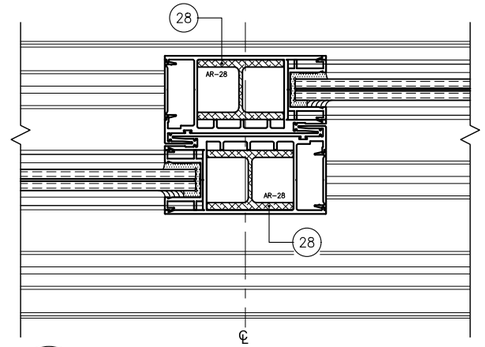
3 / 6.0 MEETING STILE W/O REINFORCEMENT

GLAZING NOTES:

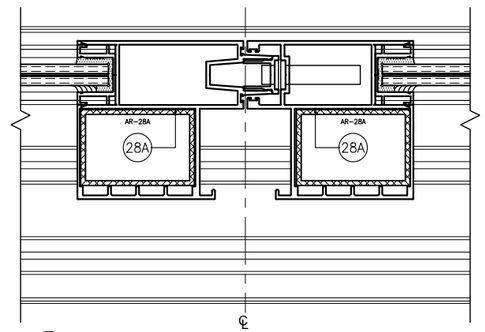
1. USE THIS CHART IN CONJUNCTION WITH GLAZING TYPES ILLUSTRATED IN SECTION 9.0 FOR GLASS MAKE-UP COMPOSITION.
2. APPLIED WITH REINFORCEMENT.



1A / 6.0 OFFSET MEETING STILE W/ REINFORCEMENT



2A / 6.0 INTERLOCK STILE W/ REINFORCEMENT



3A / 6.0 MEETING STILE W/ REINFORCEMENT

SILL RISER NOTES:

1. REFER TO SHEET 8.13 FOR POSITIVE DESIGN PRESSURE LIMITATIONS BASED ON WATER TEST ASSOCIATED WITH ALTERNATE SILL RISER HEIGHTS.

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
1		
1		
1		
1		

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, PE
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:

SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:

VELOCITY IMPACT PRODUCTS
2200 AVENUE L: WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
GLAZING CHARTS

SCALE: 3" = 1'-0" [1:4]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
6.0
20 of 41
JOB NO. 0000-00

CHART 7.0.3 DESIGN LOAD CAPACITY, ANCHORS (PSF)

NOMINAL PANEL WIDTH (INCHES)	DOOR FRAME HEIGHT (INCHES)	AT ENDS, CLUSTERS AT INTERLOCKS & STILES, (POS./NEG.), 1/4" MAX. SHIM.			
		ANCHOR TYPE A	ANCHOR TYPE B		ANCHOR TYPE C
		A(8)	B(8)	B1(8)	C(8)
24	84	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
54		140.0	140.0	140.0	140.0
60		140.0	140.0	140.0	140.0
63		140.0	140.0	140.0	140.0
66		140.0	140.0	140.0	140.0
70		140.0	140.0	140.0	140.0
72		140.0	140.0	140.0	140.0
24	90	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
54		140.0	140.0	140.0	140.0
60		140.0	140.0	140.0	140.0
63		140.0	140.0	140.0	140.0
66		140.0	140.0	140.0	140.0
70		140.0	140.0	140.0	140.0
72		140.0	140.0	140.0	140.0
24	96	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
54		140.0	140.0	140.0	140.0
60		140.0	140.0	140.0	140.0
63		140.0	140.0	140.0	140.0
66		140.0	140.0	140.0	140.0
70		138.5	140.0	140.0	136.5
72		134.7	140.0	140.0	132.7
24	102	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
54		140.0	140.0	140.0	140.0
60		140.0	140.0	140.0	140.0
63		140.0	140.0	140.0	140.0
66		138.3	140.0	140.0	136.2
70		130.4	140.0	140.0	128.4
24	108	140.0	140.0	140.0	140.0
30		140.0	140.0	140.0	140.0
36		140.0	140.0	140.0	140.0
42		140.0	140.0	140.0	140.0
48		140.0	140.0	140.0	140.0
54		140.0	140.0	140.0	140.0
60		140.0	140.0	140.0	140.0
63		136.8	140.0	140.0	134.8
66		130.6	140.0	140.0	128.6
24	114	80.0	80.0	80.0	80.0
30		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0
63		80.0	80.0	80.0	80.0
24	120	80.0	80.0	80.0	80.0
30		80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		80.0	80.0	80.0	80.0
54		80.0	80.0	80.0	80.0
60		80.0	80.0	80.0	80.0

ANCHOR CLUSTER NOTES:

1. A(8), B(8) & C(8) ANCHORS, TYPES A, B & C; (2) ROWS OF (2) EA. SIDE OF INTERLOCKS & STILES.
2. B1(8) ANCHORS, TYPE B; SPACING AT 4" C/C; (2) ROWS OF (2) EA. SIDE OF INTERLOCKS & STILES.
3. REFER TO SHEET 8.13 FOR ANCHOR CLUSTER LAYOUTS.

ANCHOR TYPE NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. USE THE CHARTS ON THIS SHEET, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
3. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.

7.0.4 TYPICAL ANCHORS (HEAD/SILL/JAMB):

(SEE ELEVATIONS FOR SPACING.)

TYPE A: 5/16" ULTRACON, BY ELCO; OR EQUIVALENT
(FU=177 KSI, FY=155 KSI)

DIRECTLY INTO WOOD STRUCTURES, (SG=0.55 MIN.):
1-1/2" MIN. EMBED.

MIN. EDGE DIST. INTO:
WOOD STRUCTURES: 1-9/16" MIN.

TYPE B: 1/4" ULTRACON, BY ELCO; OR EQUIVALENT
(FU=177 KSI, FY=155 KSI)

THRU 1BY WOOD BUCK AND:
1-3/4" MIN. EMBED. INTO CONCRETE.

THRU 2BY WOOD BUCK AND:
1-3/4" MIN. EMBED. INTO CONCRETE.

MIN. EDGE DIST. INTO:
CONCRETE: 2-1/2" MIN.

TYPE B1: 1/4" ULTRACON, BY ELCO; OR EQUIVALENT
(FU=177 KSI, FY=155 KSI)

DIRECTLY INTO CONCRETE, (F'C=3,000 PSI MIN.):
1-3/4" MIN. EMBED.

MIN. EDGE DIST. INTO:
CONCRETE: 2-1/2" MIN.

ANCHOR SPACING, (C/C) INTO:
CONCRETE: 4" MIN.

INTO C-90 CMU BLOCK, (*AT JAMB CONDITIONS ONLY.)
(F'M=2,000 PSI MIN.):
1-1/4" MIN. EMBED. INTO HOLLOW BLOCK;
1-3/4" MIN. EMBED. INTO GROUT-FILLED BLOCK.

MIN. EDGE DIST. INTO:
CONC. OR MASONRY: 2-1/2" MIN.

ANCHOR SPACING, (C/C) INTO:
GROUT-FILLED BLOCK: 4" MIN.

TYPE C: #14 TEKS SELF-DRILLING SCREWS; OR EQUIVALENT
(GRADE 5 CRS)

INTO METAL STRUCTURES, (3 MIN. PITCHES BEYOND FULL EMBED.):
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (FY=36 KSI MIN.)
METAL STUD: 16 GA. MIN.
(DISSIMILAR METALS IN CONTACT TO BE PAINTED OR PLATED.)

MIN. EDGE DIST. INTO:
METAL STRUCTURES: 3/4" MIN.

TYPE D: SIKAFLEX 1A ASSEMBLY ADHESIVE; OR EQUIVALENT
(POURED AND CURED, NON-METALLIC/NON-SHRINKAGE)

DIRECTLY ONTO CONCRETE, (*AT SILL CONDITION ONLY.),
(F'C=5,000 PSI, MIN.);
(PREPARED ADHESION AREA MUST BE DRY,
CLEARED & CLEANED OF BOND-INHIBITING MATERIAL.)

NOTE: TYPE D IS ACCEPTABLE FOR ALL DESIGN PRESSURES, CONFIGURATIONS & SIZES REFERENCED ON SHEET 6.0.

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		,
2		,
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4		,
5		,

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E. FL# 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
ANCHOR CHARTS

SCALE:	3" = 1'-0" [1:4]
PLOT SIZE:	ANSI B (11" X 17")

SHEET NO.
7.0

JOB NO. 0000-00

CHART 7.1.5 DESIGN LOAD CAPACITY, ANCHORS (PSF)

NOMINAL PANEL WIDTH (INCHES)	DOOR FRAME HEIGHT (INCHES)	AT ENDS, CLUSTERS W/ NARROW INTERLOCK DETAIL 4/5.6 (POS./NEG.)				
		ANCHOR TYPE A	ANCHOR TYPE B			ANCHOR TYPE C
		A(8)	B(8)	B1(8)	B2(8)	C(8)
		1/4" MAX. SHIM				
72	96	80.0	80.0	80.0	80.0	80.0
72	102	80.0	80.0	80.0	80.0	80.0
66	108	80.0	80.0	80.0	80.0	80.0
60	120	80.0	80.0	80.0	80.0	80.0

ANCHOR NOTES:

1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. USE THE CHARTS ON THIS SHEET, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
3. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.

ANCHOR CLUSTER NOTES:

1. A(8), B(8) & C(8) ANCHORS, TYPES A, B & C; (2) ROWS OF (2) EA. SIDE OF INTERLOCKS & STILES.
2. B1(8) ANCHORS, TYPE B; SPACING AT 4" C/C; (2) ROWS OF (2) EA. SIDE OF INTERLOCKS & STILES.
3. REFER TO SHEET 8.13 FOR ANCHOR CLUSTER LAYOUTS.

CHART 7.1.6 GLAZING LOAD CAPACITY, (PSF)

NOMINAL PANEL WIDTH (INCHES)	DOOR FRAME HEIGHT (INCHES)	W/ NARROW INTERLOCK DETAIL 4/5.6			
		TYPE A		TYPE B	
		NEG.	POS.	NEG.	POS.
72	96	80.0	80.0	80.0	80.0
72	102	80.0	80.0	80.0	80.0
66	108	78.5	78.5	78.5	78.5
60	120	70.0	70.0	70.0	70.0

SILL RISER NOTES:

1. REFER TO SHEET 8.13 FOR POSITIVE DESIGN PRESSURE LIMITATIONS BASED ON WATER TEST ASSOCIATED WITH ALTERNATE SILL RISER HEIGHTS.

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
2		
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5		
6		

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHRISTOPHER STANTON, P.E. FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:

SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:

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2200 AVENUE L, WEST PALM BEACH, FLORIDA 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

VELOCITY

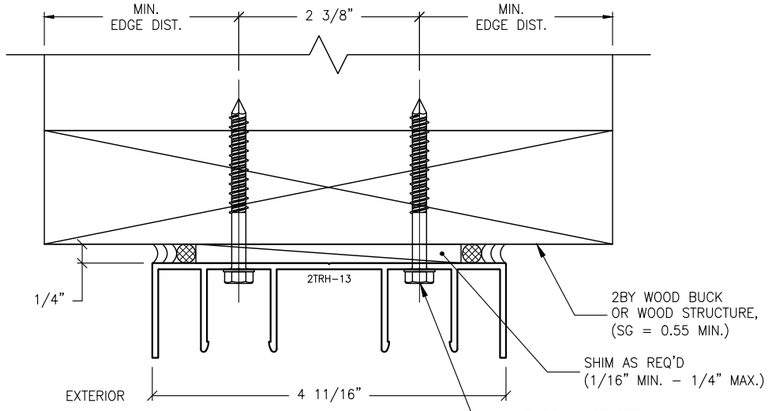
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
ANCHOR CHARTS

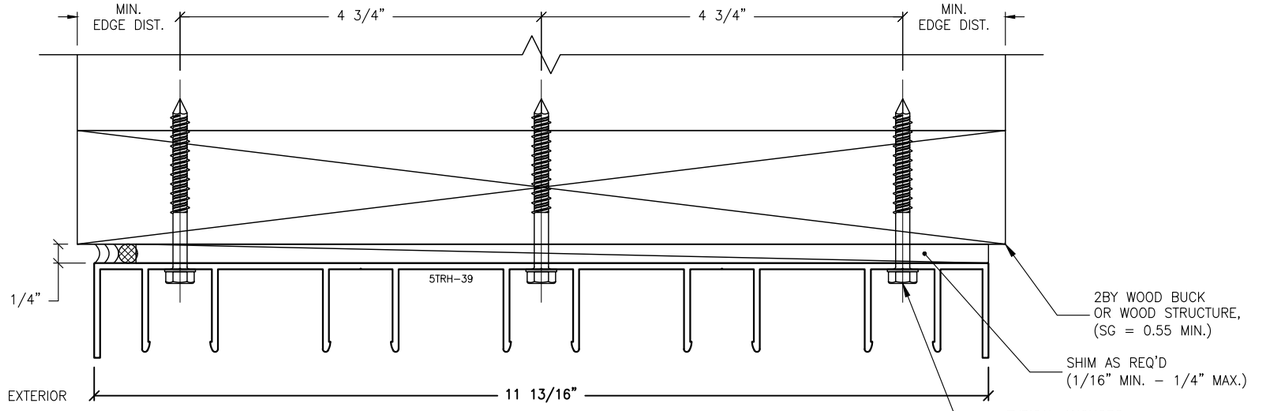
SCALE: 3" = 1'-0" [1:4]

PLOT SIZE: ANSI B (11" X 17")

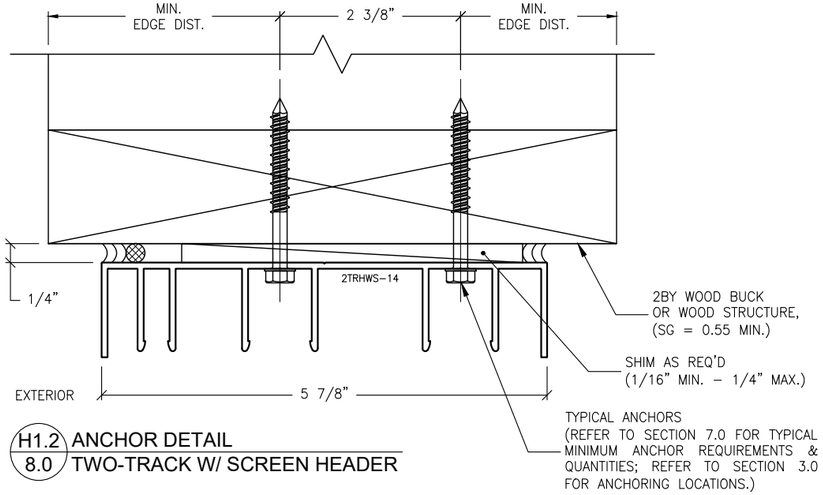
SHEET NO.
7.1 22 of 41
JOB NO. 0000-00



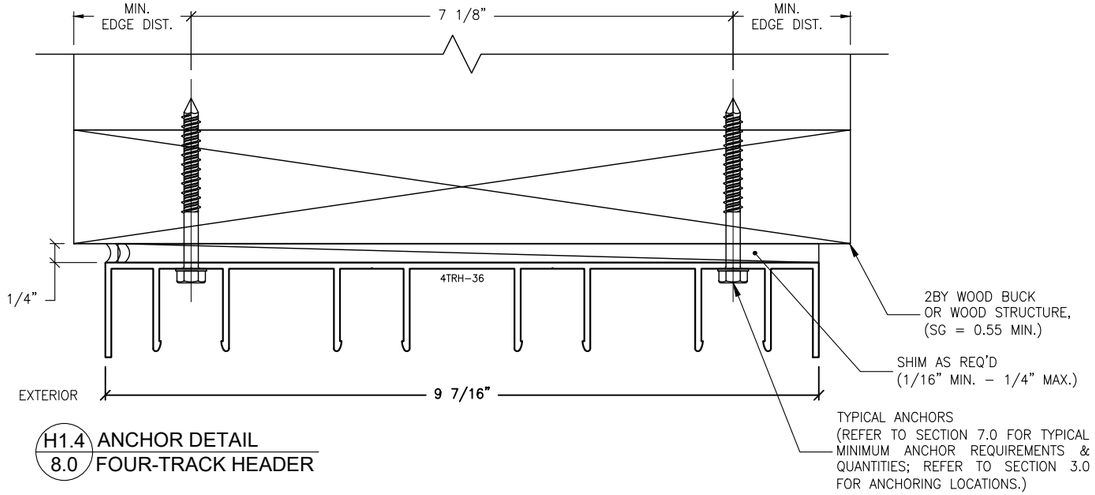
H1.1 / 8.0 ANCHOR DETAIL
TWO-TRACK HEADER



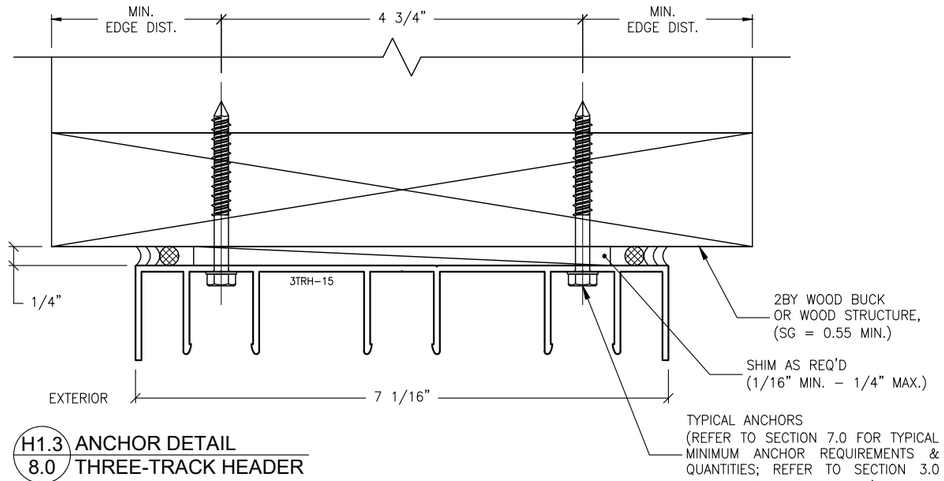
H1.5 / 8.0 ANCHOR DETAIL
FIVE-TRACK HEADER



H1.2 / 8.0 ANCHOR DETAIL
TWO-TRACK W/ SCREEN HEADER



H1.4 / 8.0 ANCHOR DETAIL
FOUR-TRACK HEADER



H1.3 / 8.0 ANCHOR DETAIL
THREE-TRACK HEADER

ANCHORAGE NOTES:

1. THESE INSTALLATIONS, AS SHOWN FOR ILLUSTRATIVE REFERENCES, WITH MECHANICAL ANCHORAGE, APPLIES TO EACH TRACK CONDITION FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. THESE HEADER TRACKS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

H1 / 8.0 MECHANICAL ANCHOR, TYPE A FOR TYPICAL HEADER INTO 2BY WOOD OR WOOD STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	—	—
2	—	—
3	—	—
4	—	—
5	—	—

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316
PROFESSIONAL ENGINEER

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L. WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 428-5740 NET: www.VelocityImpactProducts.com

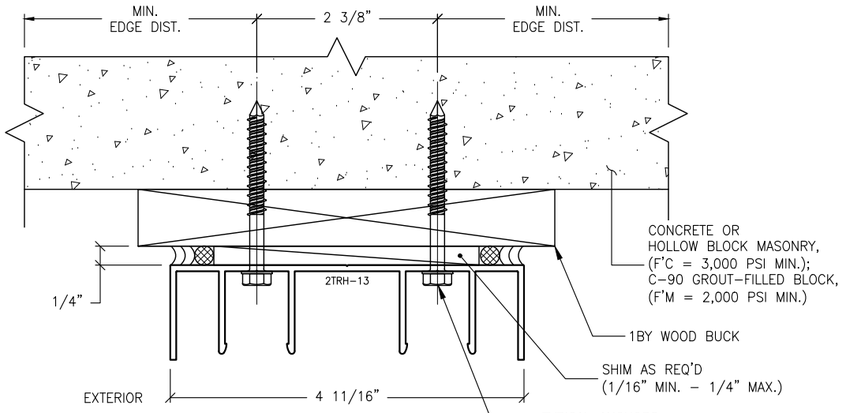
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
ANCHOR DETAILS

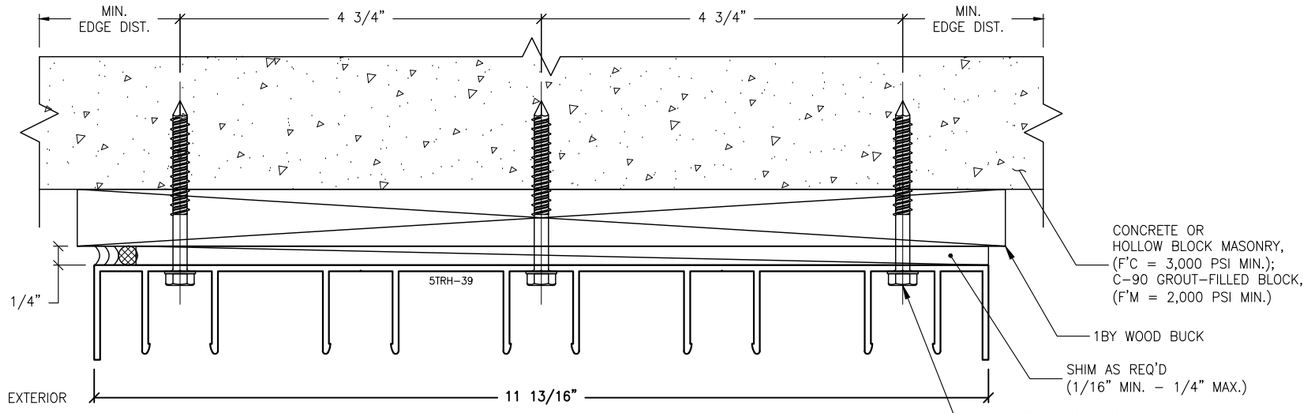
SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

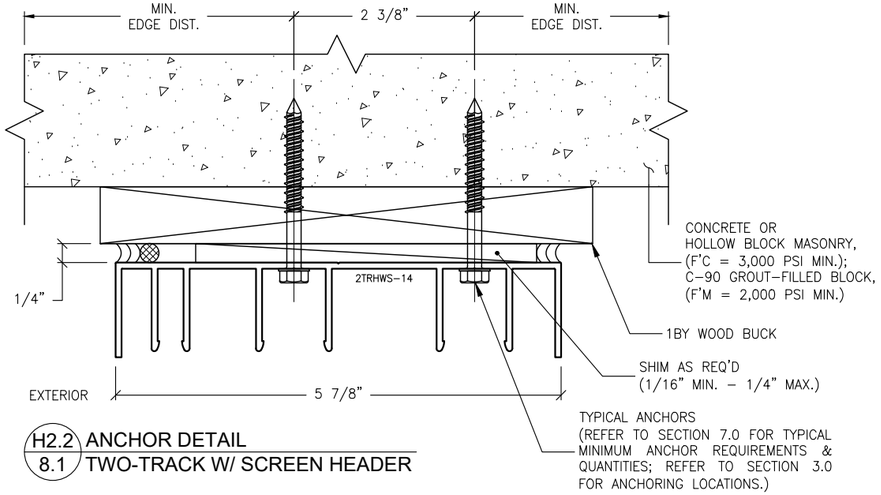
SHEET NO.
8.0
23 of 41
JOB NO. 0000-00



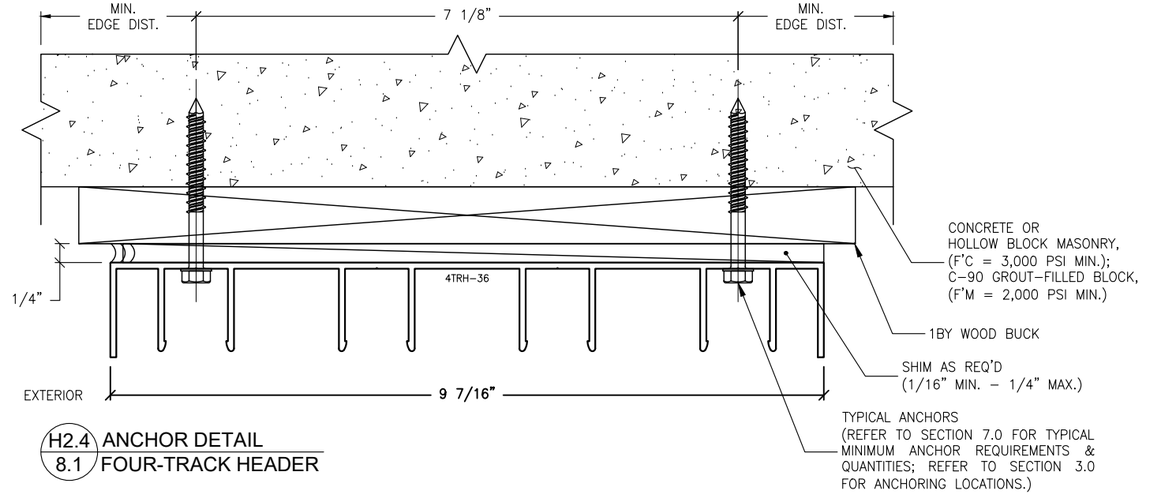
H2.1 / 8.1 ANCHOR DETAIL
TWO-TRACK HEADER



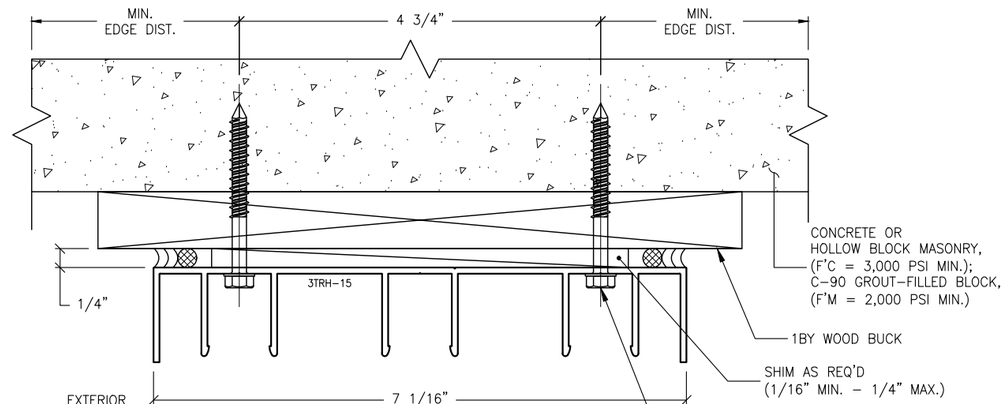
H2.5 / 8.1 ANCHOR DETAIL
FIVE-TRACK HEADER



H2.2 / 8.1 ANCHOR DETAIL
TWO-TRACK W/ SCREEN HEADER



H2.4 / 8.1 ANCHOR DETAIL
FOUR-TRACK HEADER



H2.3 / 8.1 ANCHOR DETAIL
THREE-TRACK HEADER

ANCHORAGE NOTES:

1. THESE INSTALLATIONS, AS SHOWN FOR ILLUSTRATIVE REFERENCES, WITH MECHANICAL ANCHORAGE, APPLIES TO EACH TRACK CONDITION FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. THESE HEADER TRACKS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

H2 / 8.1 MECHANICAL ANCHOR, TYPE A FOR TYPICAL HEADER THRU 1BY INTO BUILDING STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	—	—
2	—	—
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4	—	—
5	—	—

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

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SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

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VELOCITY IMPACT PRODUCTS

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

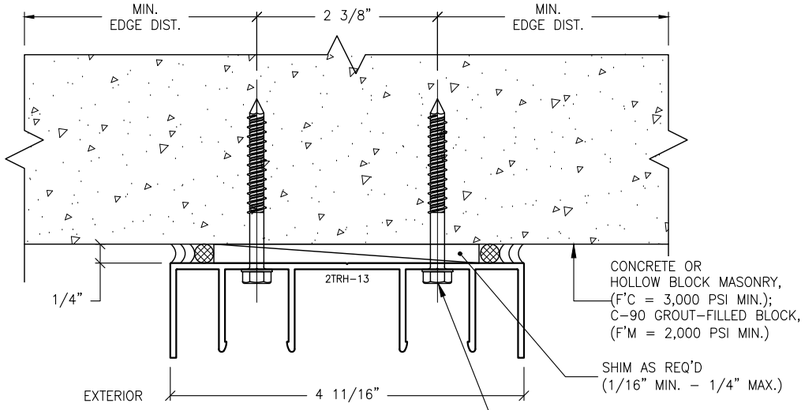
DESCRIPTION
ANCHOR DETAILS

SCALE: 6" = 1'-0" [1:2]

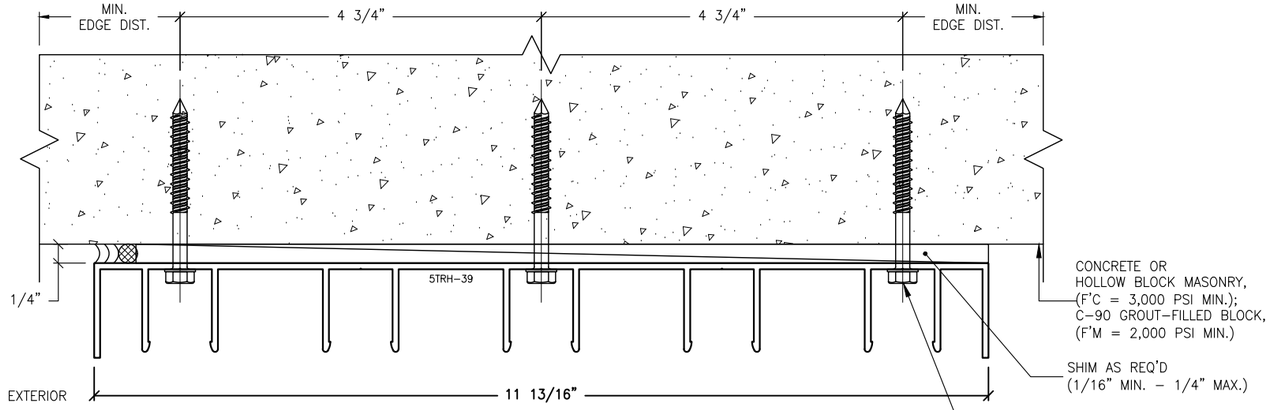
PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
8.1
24 of 41

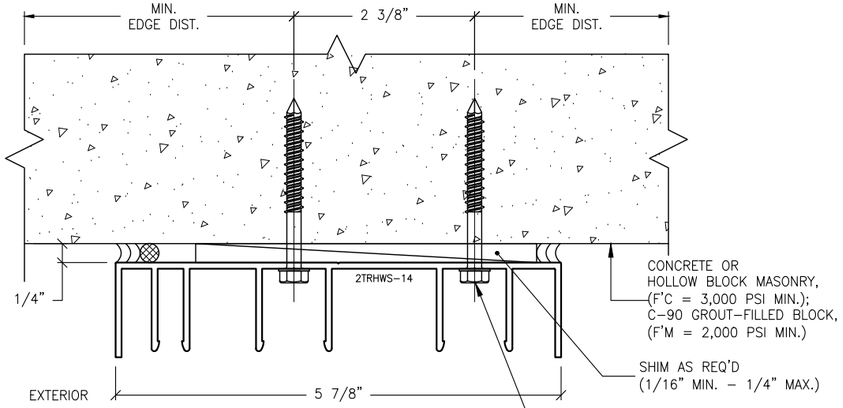
JOB NO. 0000-00



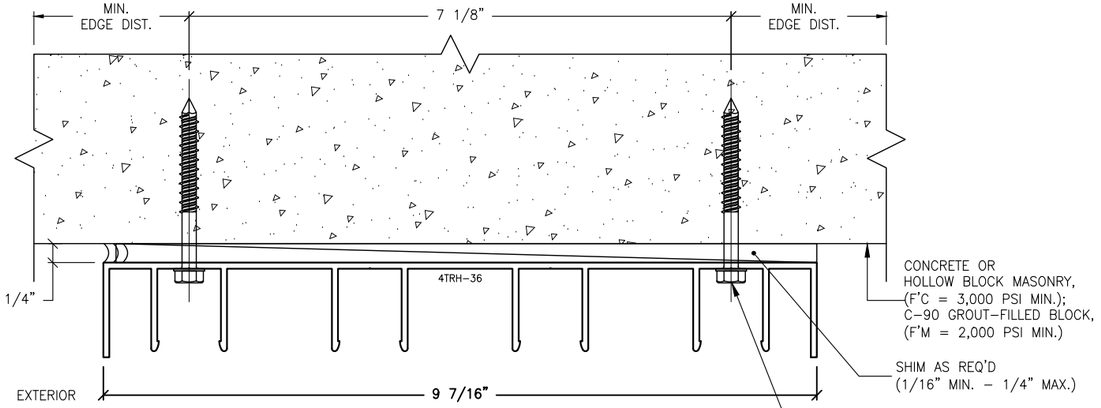
H3.1 / 8.2 ANCHOR DETAIL
TWO-TRACK HEADER



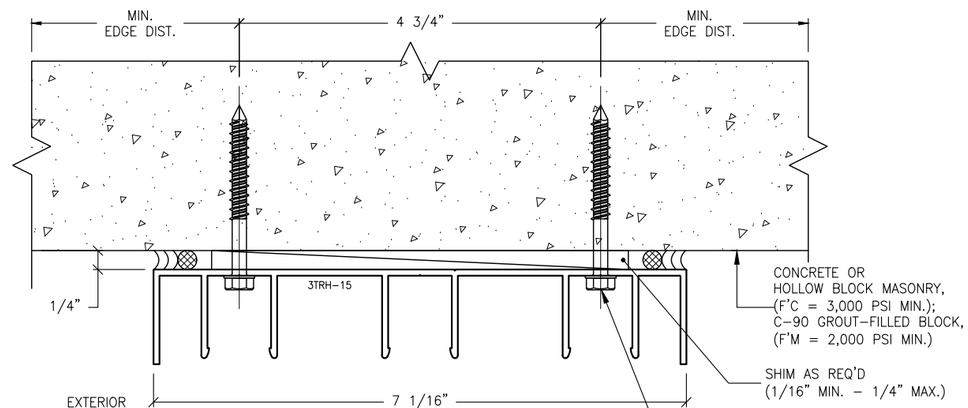
H3.5 / 8.2 ANCHOR DETAIL
FIVE-TRACK HEADER



H3.2 / 8.2 ANCHOR DETAIL
TWO-TRACK W/ SCREEN HEADER



H3.4 / 8.2 ANCHOR DETAIL
FOUR-TRACK HEADER



H3.3 / 8.2 ANCHOR DETAIL
THREE-TRACK HEADER

ANCHORAGE NOTES:

1. THESE INSTALLATIONS, AS SHOWN FOR ILLUSTRATIVE REFERENCES, WITH MECHANICAL ANCHORAGE, APPLIES TO EACH TRACK CONDITION FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. THESE HEADER TRACKS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

H3 / 8.2 MECHANICAL ANCHOR, TYPE B FOR TYPICAL HEADER INTO CONCRETE OR MASONRY STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

CHRISTOPHER STANTON, P.E.
FL. REG. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

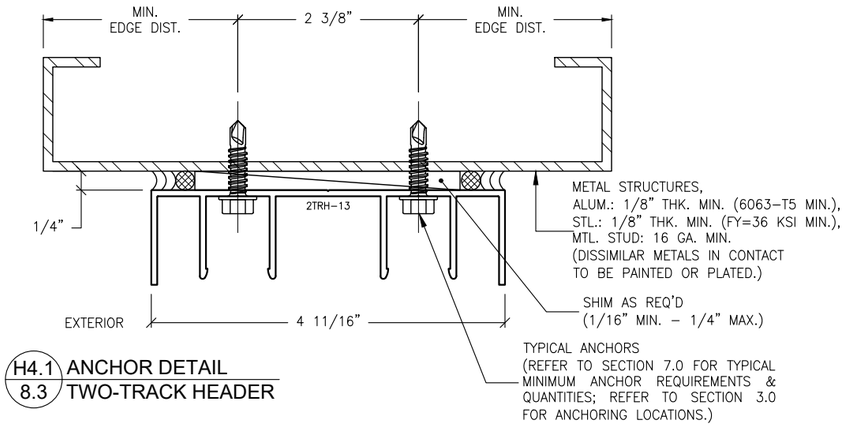
OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA. 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

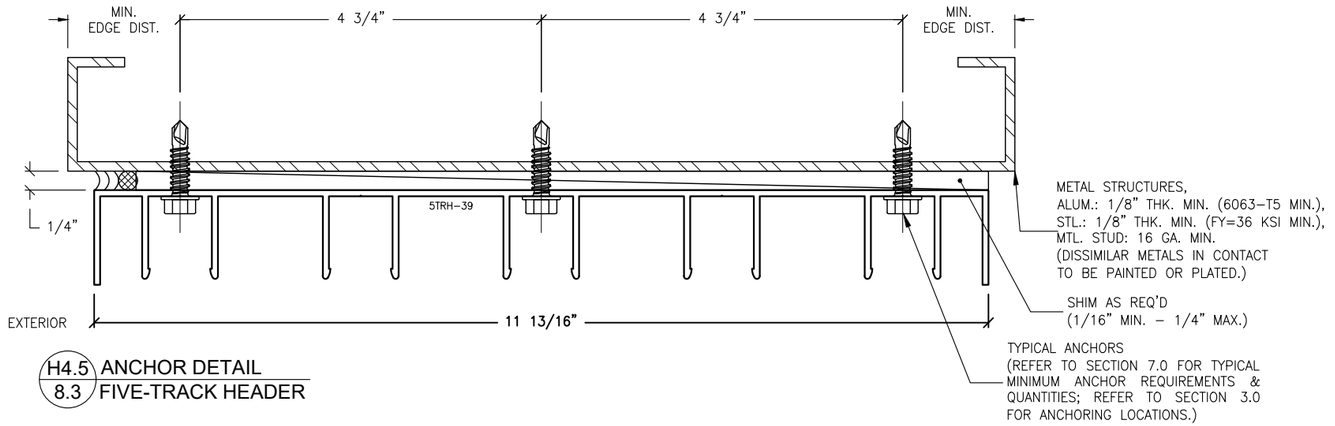
DESCRIPTION
ANCHOR DETAILS

SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

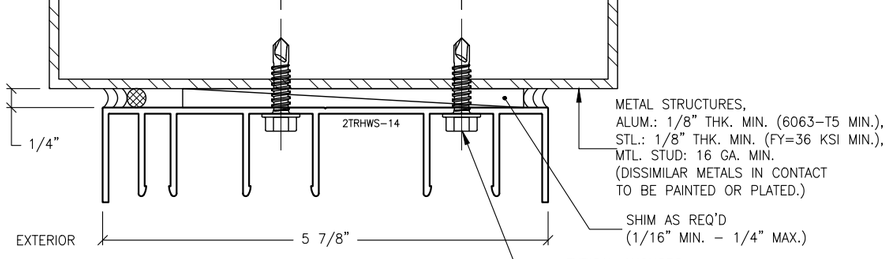
SHEET NO.
8.2
25 of 41
JOB NO. 0000-00



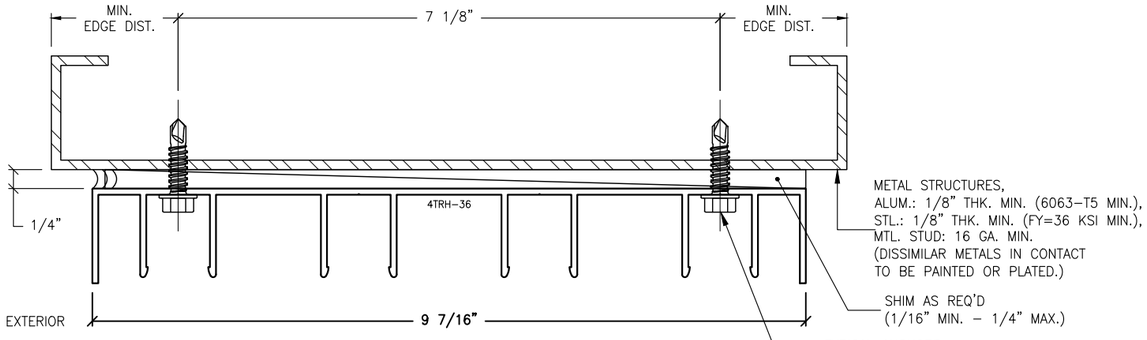
H4.1 / 8.3 ANCHOR DETAIL
TWO-TRACK HEADER



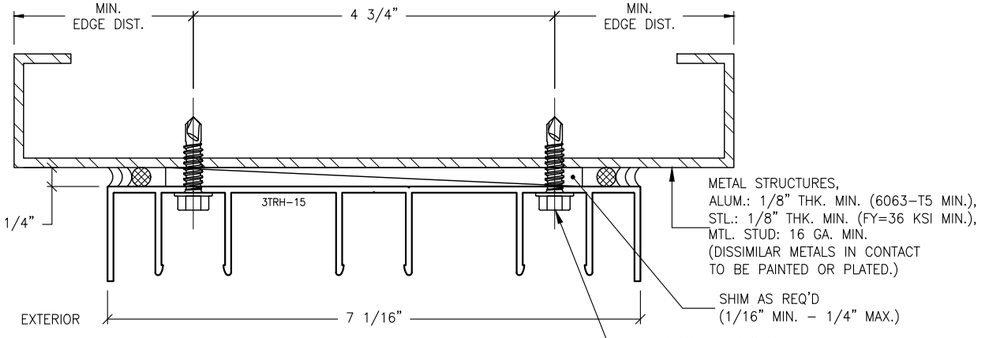
H4.5 / 8.3 ANCHOR DETAIL
FIVE-TRACK HEADER



H4.2 / 8.3 ANCHOR DETAIL
TWO-TRACK W/ SCREEN HEADER



H4.4 / 8.3 ANCHOR DETAIL
FOUR-TRACK HEADER



H4.3 / 8.3 ANCHOR DETAIL
THREE-TRACK HEADER

ANCHORAGE NOTES:

1. THESE INSTALLATIONS, AS SHOWN FOR ILLUSTRATIVE REFERENCES, WITH MECHANICAL ANCHORAGE, APPLIES TO EACH TRACK CONDITION FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. THESE HEADER TRACKS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

H4 / 8.3 MECHANICAL ANCHOR, TYPE C FOR TYPICAL HEADER INTO METAL STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	—	—
2	—	—
3	—	—
4	—	—
5	—	—

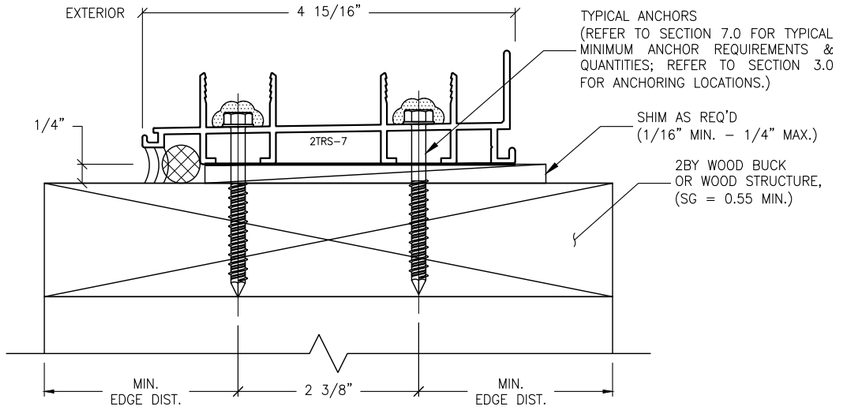
CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E.
FLA. P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

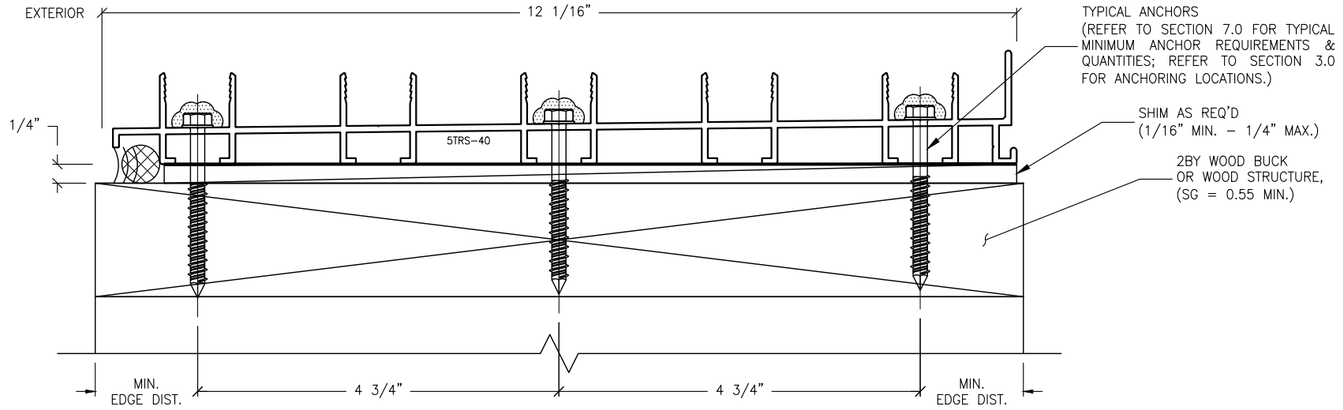
PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com
VELOCITY

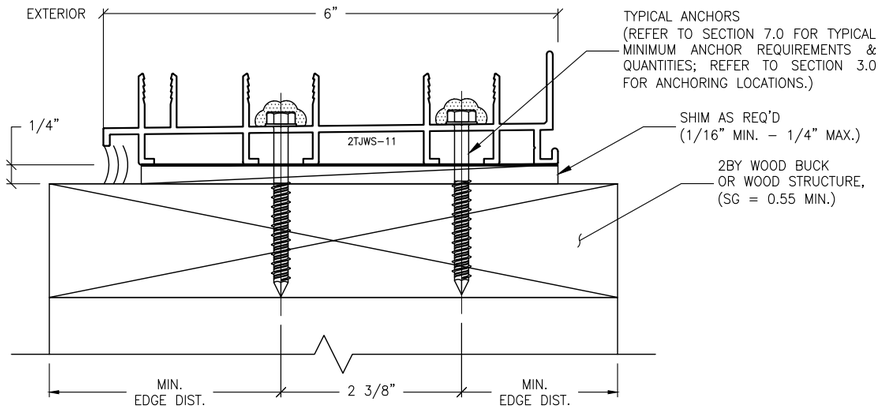
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS
DESCRIPTION	ANCHOR DETAILS
SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")
SHEET NO.	8.3
	26 of 41
JOB NO.	0000-00



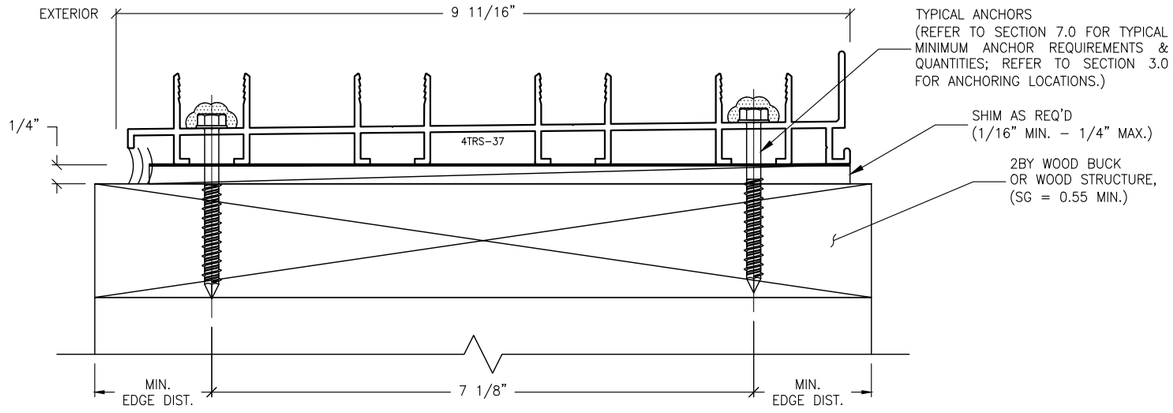
S1.1 / 8.4 ANCHOR DETAIL
TWO-TRACK SILL



S1.5 / 8.4 ANCHOR DETAIL
FIVE-TRACK SILL



S1.2 / 8.4 ANCHOR DETAIL
TWO-TRACK W/ SCREEN SILL



S1.4 / 8.4 ANCHOR DETAIL
FOUR-TRACK SILL

ANCHORAGE NOTES:

1. THESE INSTALLATIONS, AS SHOWN FOR ILLUSTRATIVE REFERENCES, WITH MECHANICAL ANCHORAGE, APPLIES TO EACH TRACK CONDITION FOR TWO–TRACK, TWO–TRACK WITH SCREEN, THREE–TRACK, FOUR–TRACK & FIVE–TRACK FRAME SYSTEMS.
2. SILL THRESHOLD TRACKS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

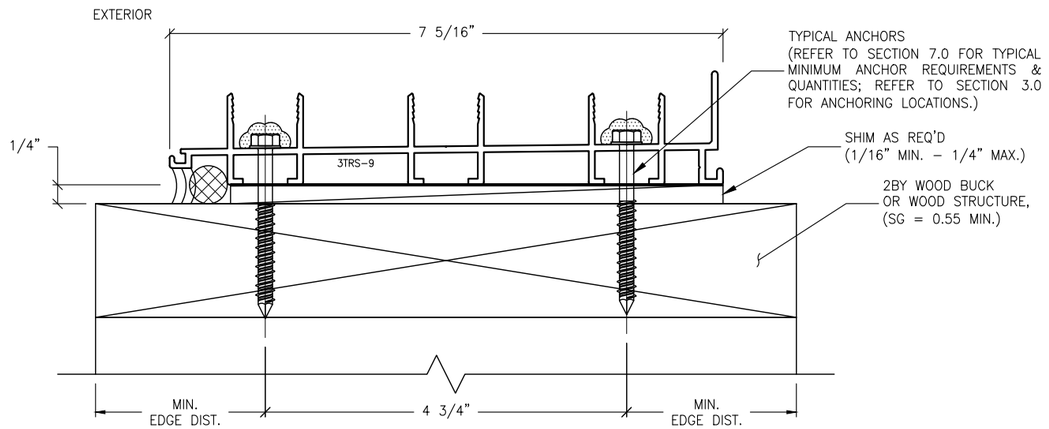
IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER–PROOFING (BY OTHERS).

S1 / 8.4 MECHANICAL ANCHOR, TYPE A
FOR TYPICAL SILL
INTO 2BY WOOD OR WOOD STRUCTURES



S1.3 / 8.4 ANCHOR DETAIL
THREE-TRACK SILL

REVISIONS:

NO.	DATE:	DESCRIPTION:
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3	—	—
4	—	—
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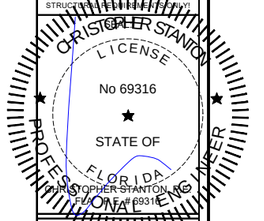


STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

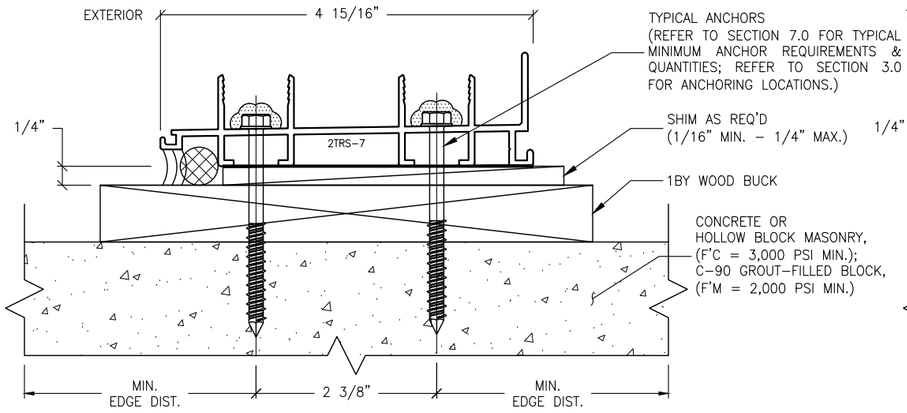
OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

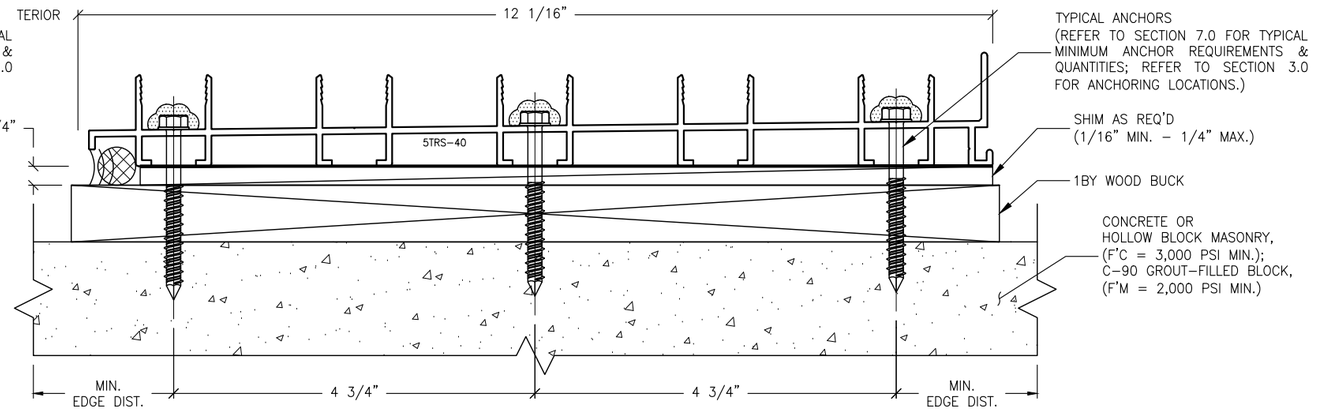
DESCRIPTION
ANCHOR DETAILS

SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

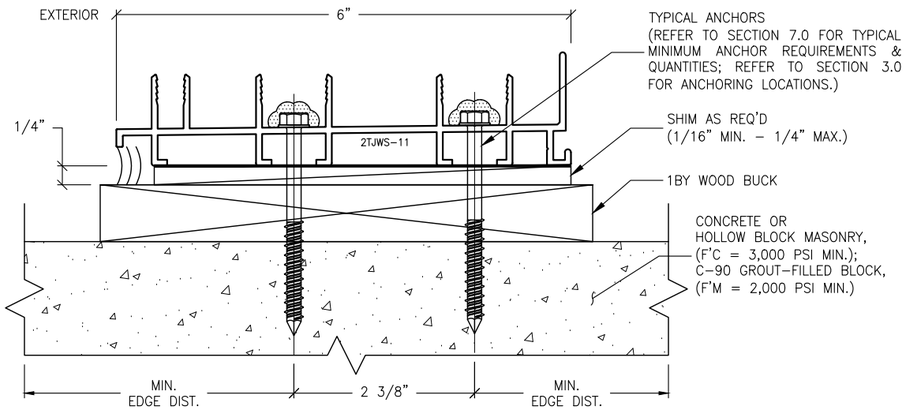
SHEET NO.
8.4 27 of 41
JOB NO. 0000-00



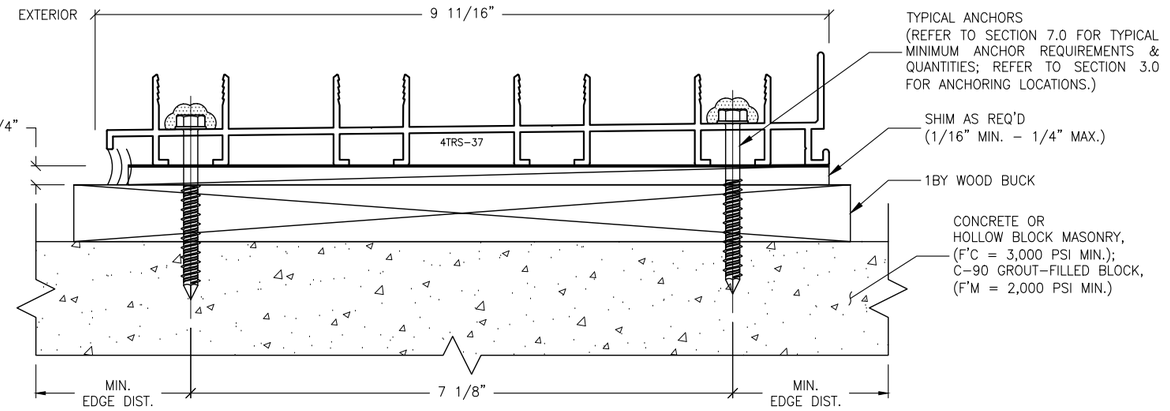
S2.1 / 8.5 ANCHOR DETAIL
TWO-TRACK SILL



S2.5 / 8.5 ANCHOR DETAIL
FIVE-TRACK SILL



S2.2 / 8.5 ANCHOR DETAIL
TWO-TRACK W/ SCREEN SILL



S2.4 / 8.5 ANCHOR DETAIL
FOUR-TRACK SILL

ANCHORAGE NOTES:

1. THESE INSTALLATIONS, AS SHOWN FOR ILLUSTRATIVE REFERENCES, WITH MECHANICAL ANCHORAGE, APPLIES TO EACH TRACK CONDITION FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. SILL THRESHOLD TRACKS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

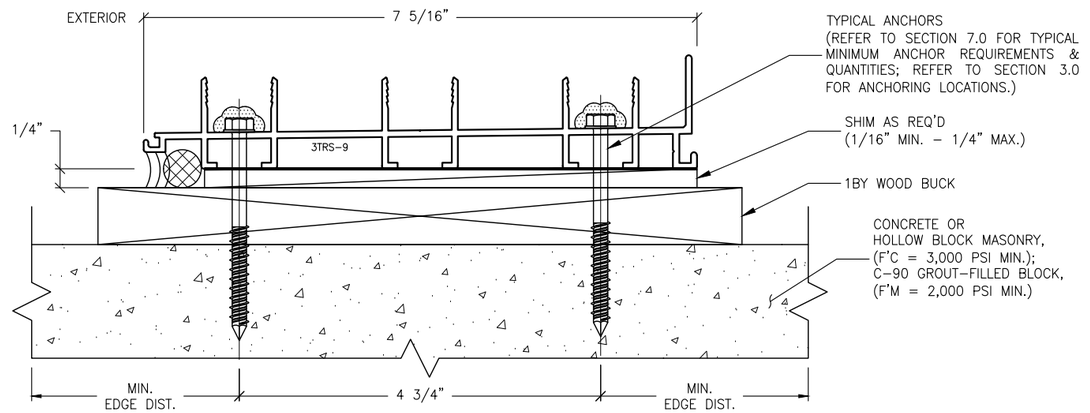
IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

S2 / 8.5 MECHANICAL ANCHOR, TYPE A
FOR TYPICAL SILL
THRU 1BY INTO BUILDING STRUCTURES



S2.3 / 8.5 ANCHOR DETAIL
THREE-TRACK SILL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	—	—
2	—	—
3	—	—
4	—	—
5	—	—

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

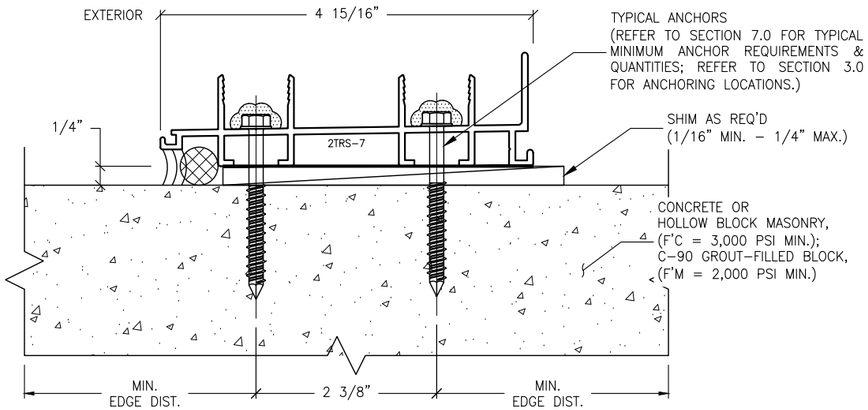
OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

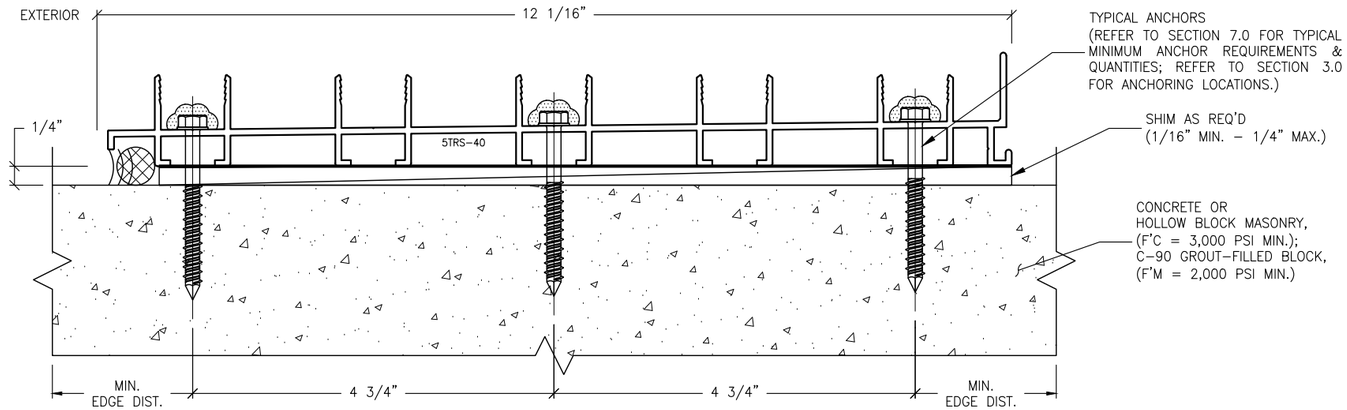
DESCRIPTION
ANCHOR DETAILS

SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

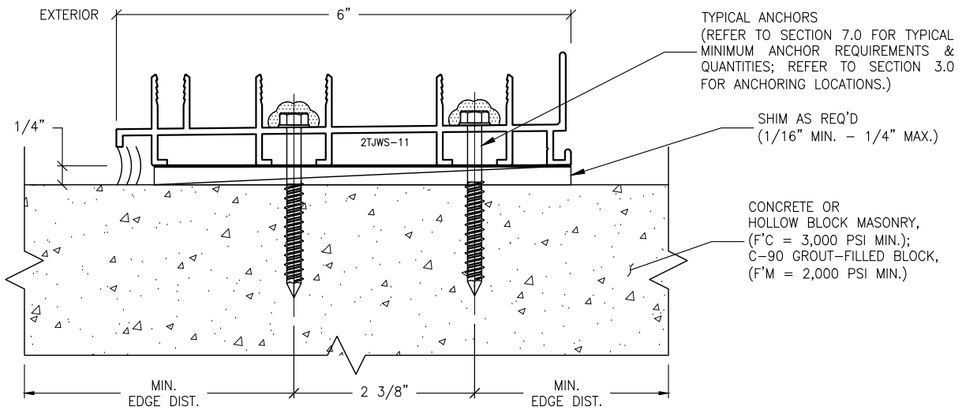
SHEET NO.
8.5
28 of 41
JOB NO. 0000-00



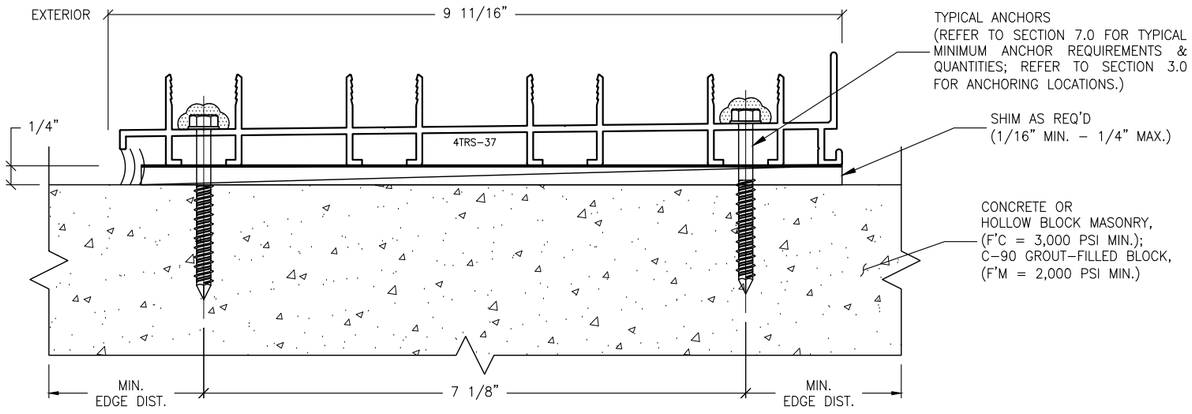
S3.1 / 8.6 ANCHOR DETAIL
TWO-TRACK SILL



S3.5 / 8.6 ANCHOR DETAIL
FIVE-TRACK SILL



S3.2 / 8.6 ANCHOR DETAIL
TWO-TRACK W/ SCREEN SILL



S3.4 / 8.6 ANCHOR DETAIL
FOUR-TRACK SILL

ANCHORAGE NOTES:

1. THESE INSTALLATIONS, AS SHOWN FOR ILLUSTRATIVE REFERENCES, WITH MECHANICAL ANCHORAGE, APPLIES TO EACH TRACK CONDITION FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. SILL THRESHOLD TRACKS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

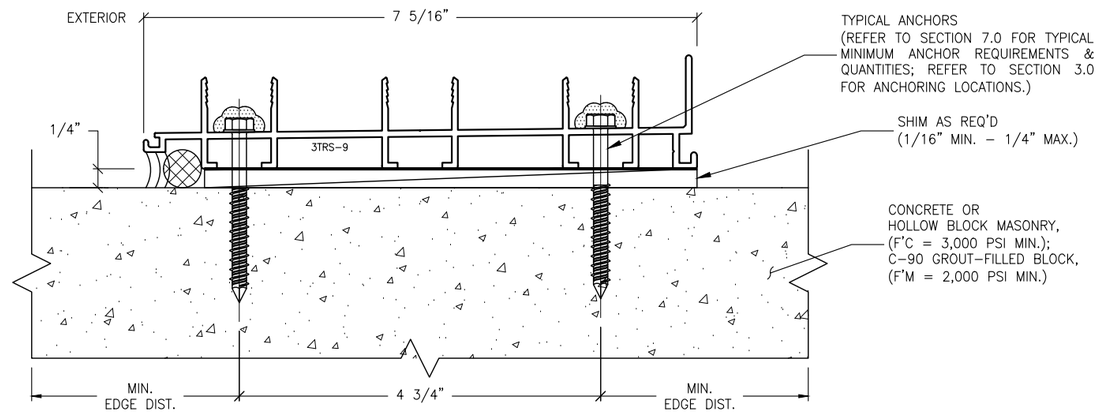
IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

S3 / 8.6 MECHANICAL ANCHOR, TYPE B FOR TYPICAL SILL INTO CONCRETE OR MASONRY STRUCTURES



S3.3 / 8.6 ANCHOR DETAIL
THREE-TRACK SILL

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	—	-
2	—	-
3	—	-
4	—	-
5	—	-

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316
PROFESSIONAL ENGINEER

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
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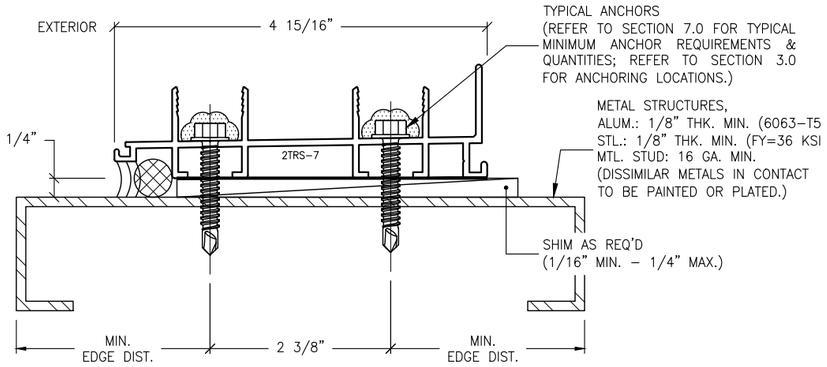
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

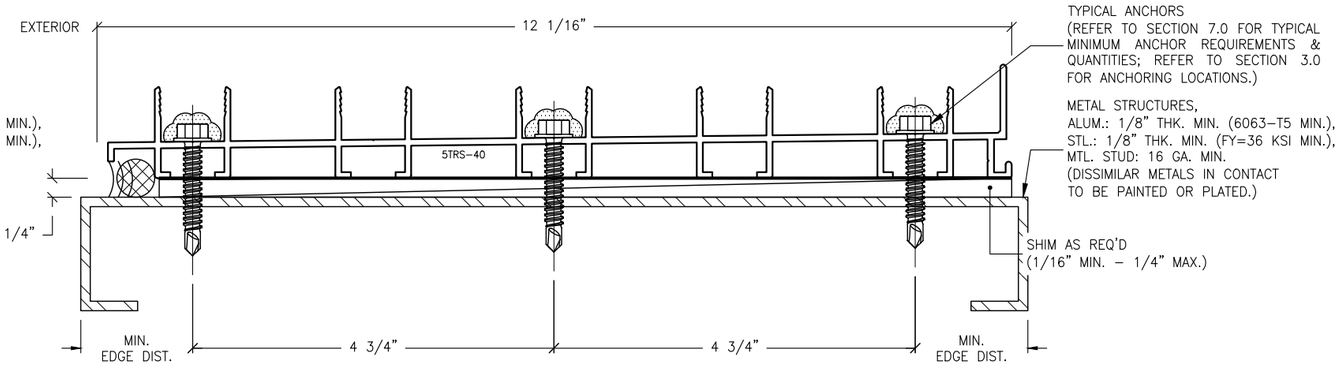
DESCRIPTION
ANCHOR DETAILS

SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

SHEET NO.
8.6
29 of 41
JOB NO. 0000-00



S4.1 / 8.7 ANCHOR DETAIL
TWO-TRACK SILL



S4.5 / 8.7 ANCHOR DETAIL
FIVE-TRACK SILL

S4.2 / 8.7 ANCHOR DETAIL
TWO-TRACK W/ SCREEN SILL

ANCHORAGE NOTES:

1. THESE INSTALLATIONS, AS SHOWN FOR ILLUSTRATIVE REFERENCES, WITH MECHANICAL ANCHORAGE, APPLIES TO EACH TRACK CONDITION FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. SILL THRESHOLD TRACKS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

IMPOSED LOADS NOTE:

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FINISH NOTES:

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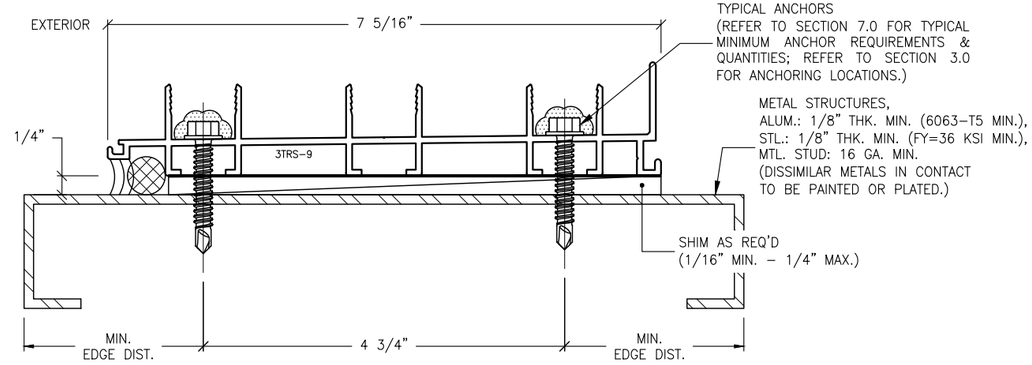
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

S4.4 / 8.7 ANCHOR DETAIL
FOUR-TRACK SILL



S4.3 / 8.7 ANCHOR DETAIL
THREE-TRACK SILL

S4 / 8.7 MECHANICAL ANCHOR, TYPE C
FOR TYPICAL SILL
INTO METAL STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	—	,
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5	—	,

SHOP DRAWINGS NOT APPROVED FOR STRUCTURAL ENGINEERING REVIEW

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, PE
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

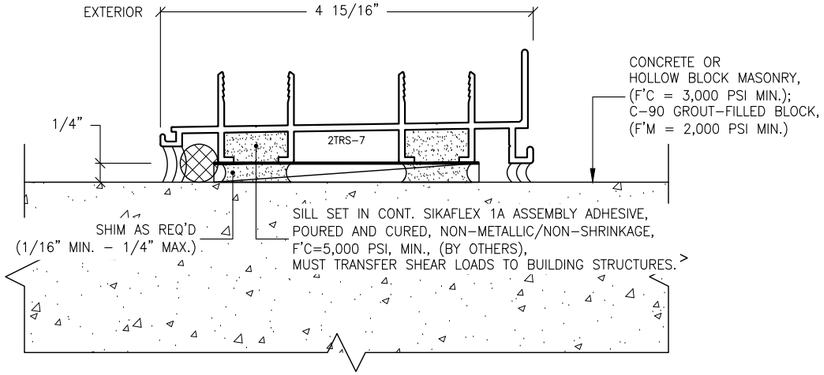
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
ANCHOR DETAILS

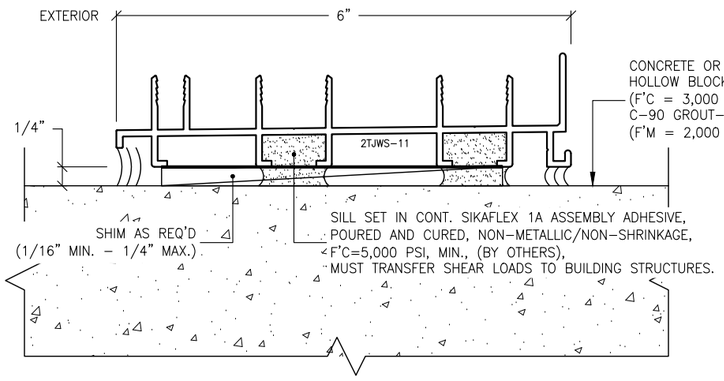
SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

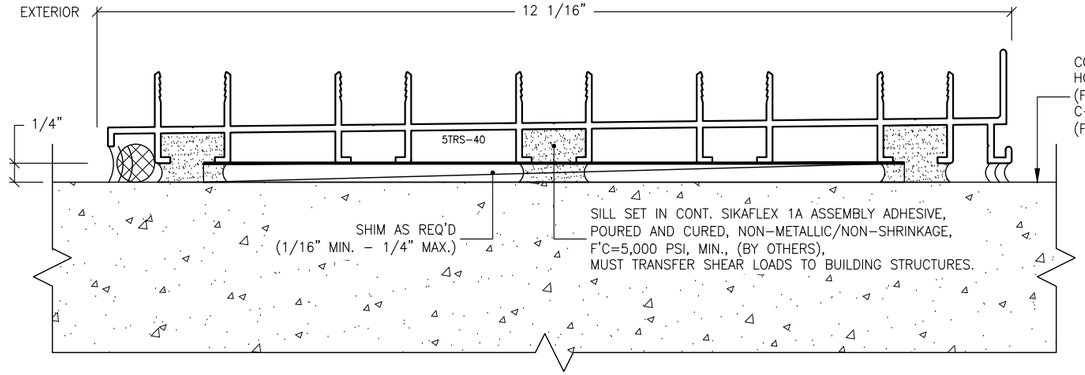
SHEET NO.
8.7
30 of 41
JOB NO. 0000-00



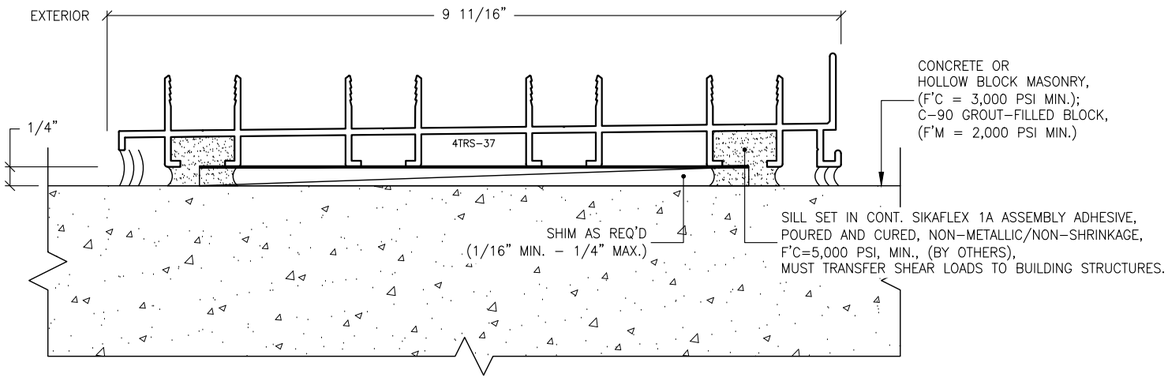
S5.1 / 8.8 ADHESIVE ANCHORAGE DETAIL TWO-TRACK SILL



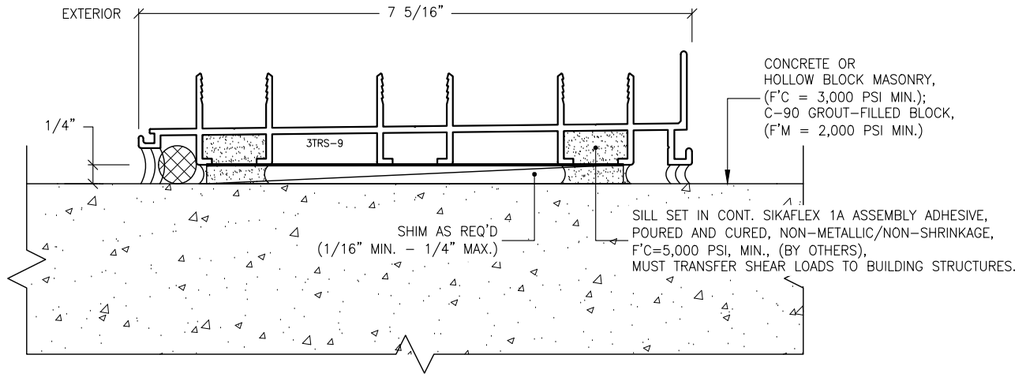
S5.2 / 8.8 ADHESIVE ANCHORAGE DETAIL TWO-TRACK W/ SCREEN SILL



S5.5 / 8.8 ADHESIVE ANCHORAGE DETAIL FIVE-TRACK SILL



S5.4 / 8.8 ADHESIVE ANCHORAGE DETAIL FOUR-TRACK SILL



S5.3 / 8.8 ADHESIVE ANCHORAGE DETAIL THREE-TRACK SILL

ANCHORAGE NOTES:

1. THIS INSTALLATION, AS SHOWN FOR ILLUSTRATIVE REFERENCE, WITHOUT MECHANICAL ANCHORAGE, APPLIES ONLY TO SILL THRESHOLD TRACK CONDITIONS FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. SILL THRESHOLD TRACKS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

S5 / 8.8 ADHESIVE ANCHORAGE, TYPE D FOR TYPICAL SILL INTO CONCRETE OR MASONRY STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	—	—
2	—	—
3	—	—
4	—	—
5	—	—

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L. WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

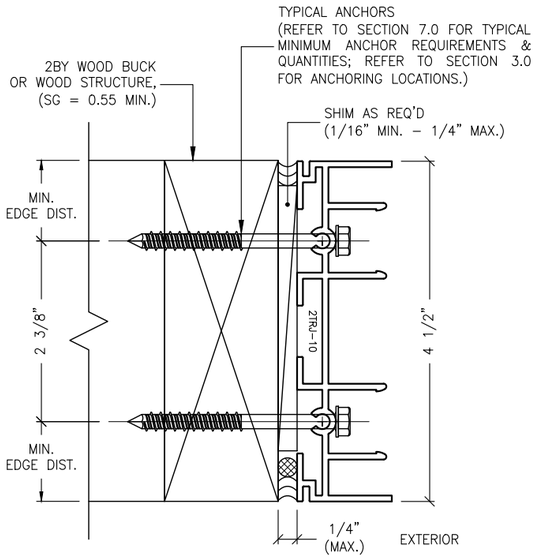
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
ANCHOR DETAILS

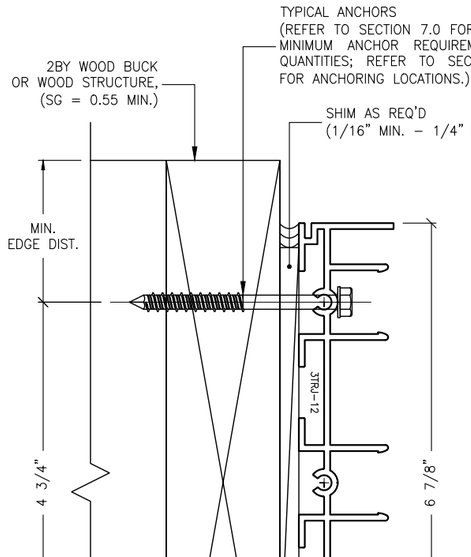
SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

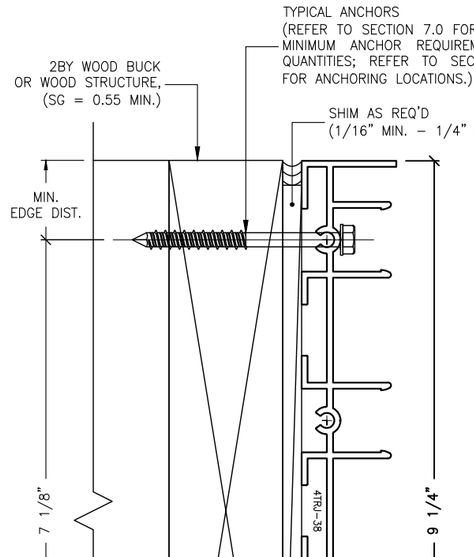
SHEET NO.
8.8 31 of 41
JOB NO. 0000-00



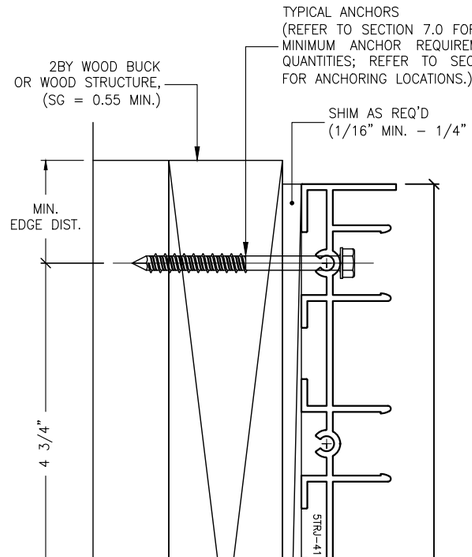
J1.1 8.9 ANCHOR DETAIL TWO-TRACK JAMB



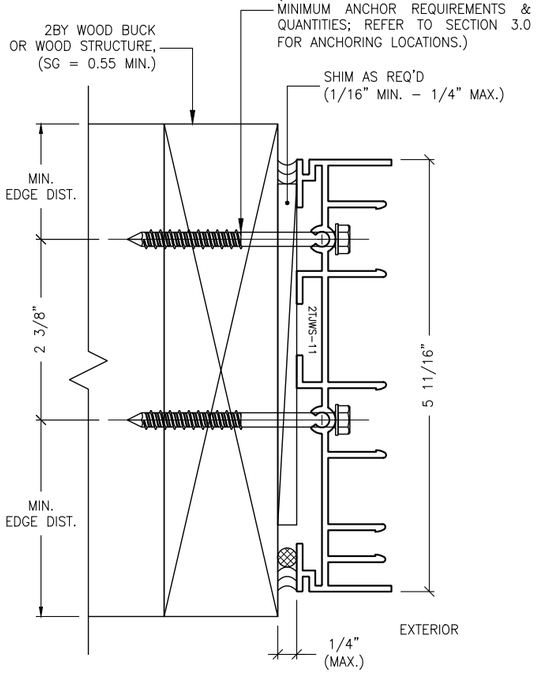
J1.3 8.9 ANCHOR DETAIL THREE-TRACK JAMB



J1.4 8.9 ANCHOR DETAIL FOUR-TRACK JAMB



J1.5 8.9 ANCHOR DETAIL FIVE-TRACK JAMB



J1.2 8.9 ANCHOR DETAIL TWO-TRACK W/ SCREEN JAMB

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER–PROOFING (BY OTHERS).

ANCHORAGE NOTES:

1. THIS INSTALLATION, AS SHOWN FOR ILLUSTRATIVE REFERENCE, WITHOUT MECHANICAL ANCHORAGE, APPLIES ONLY TO SILL THRESHOLD TRACK CONDITIONS FOR TWO–TRACK, TWO–TRACK WITH SCREEN, THREE–TRACK, FOUR–TRACK & FIVE–TRACK FRAME SYSTEMS.
2. THESE JAMBS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

J1 8.9 MECHANICAL ANCHOR, TYPE A FOR TYPICAL JAMBS INTO 2BY WOOD OR WOOD STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	—	—
2	—	—
3	—	—
4	—	—
5	—	—

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

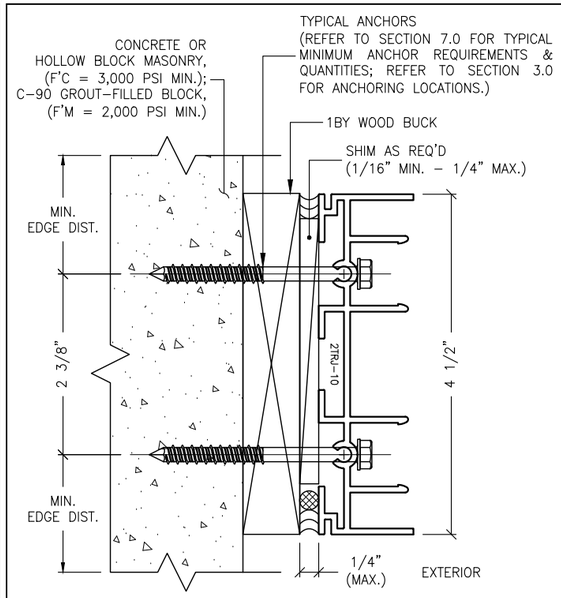
CHRISTOPHER STANTON, P.E. FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561)393-1008

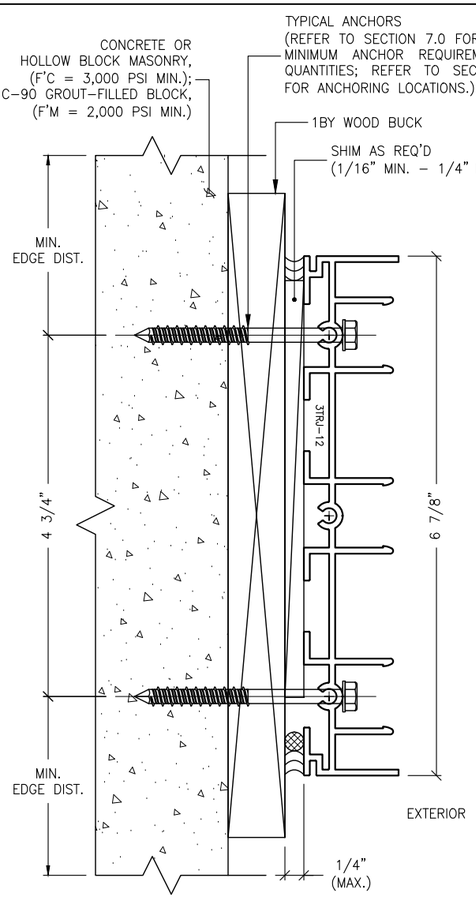
PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com
VELOCITY

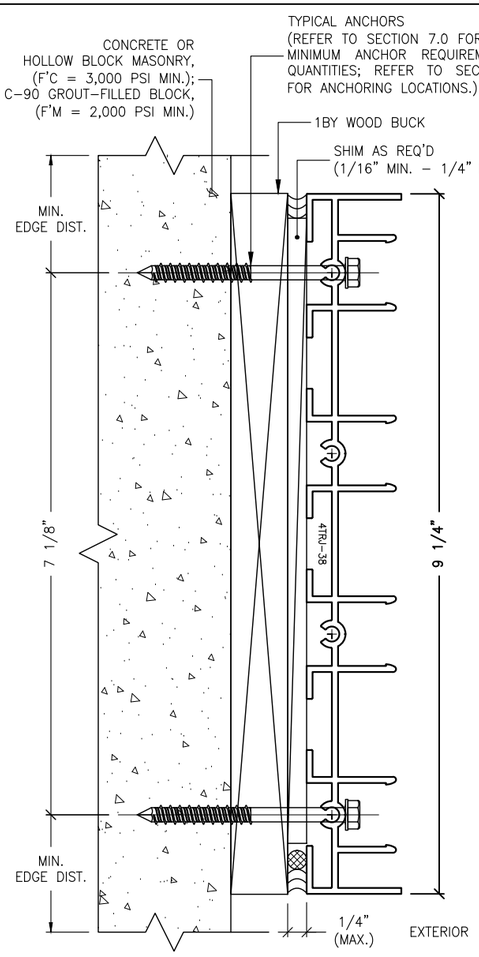
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS
DESCRIPTION	ANCHOR DETAILS
SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")
SHEET NO.	8.9
	32 of 41
JOB NO.	0000-00



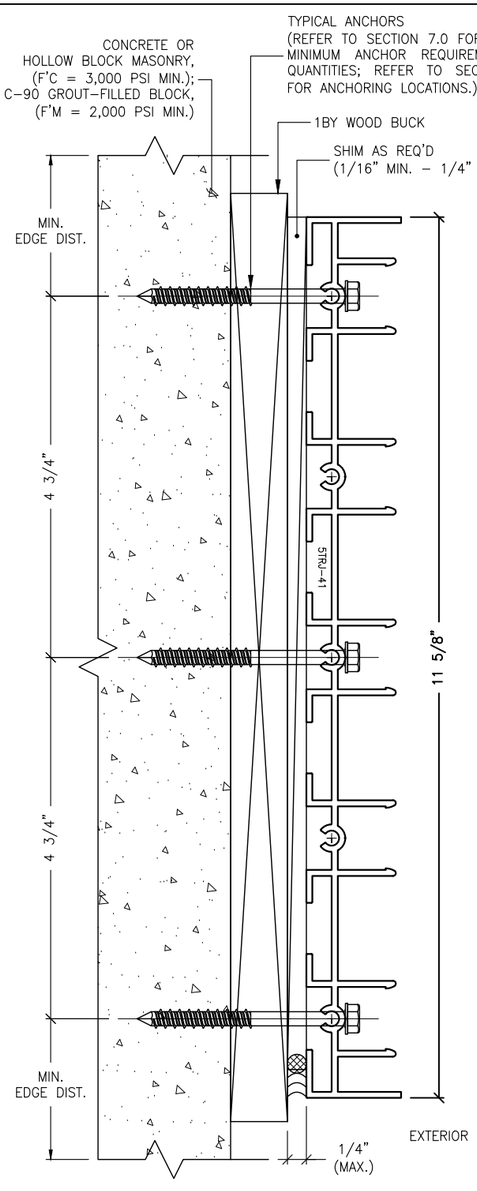
J2.1 / 8.10 ANCHOR DETAIL TWO-TRACK JAMB



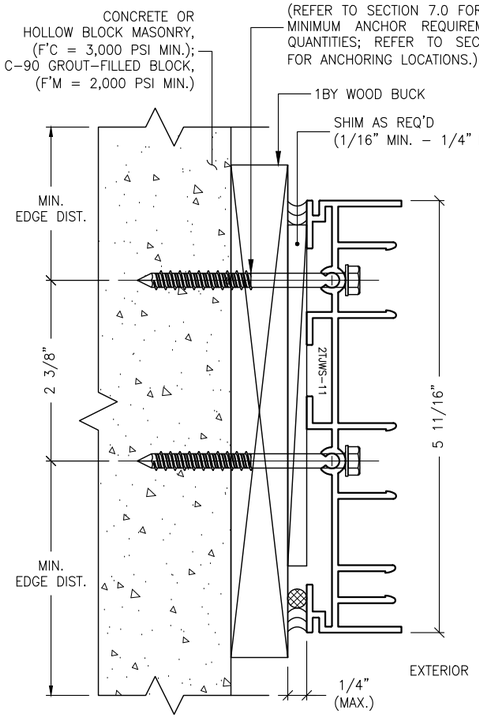
J2.3 / 8.10 ANCHOR DETAIL THREE-TRACK JAMB



J1.4 / 8.10 ANCHOR DETAIL FOUR-TRACK JAMB



J1.5 / 8.10 ANCHOR DETAIL FIVE-TRACK JAMB



J2.2 / 8.10 ANCHOR DETAIL TWO-TRACK W/ SCREEN JAMB

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

ANCHORAGE NOTES:

1. THIS INSTALLATION, AS SHOWN FOR ILLUSTRATIVE REFERENCE, WITHOUT MECHANICAL ANCHORAGE, APPLIES ONLY TO SILL THRESHOLD TRACK CONDITIONS FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. THESE JAMBS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

J2 / 8.10 MECHANICAL ANCHOR, TYPE A FOR TYPICAL JAMBS THRU 1BY INTO BUILDING STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
2		
3		
4		
5		

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

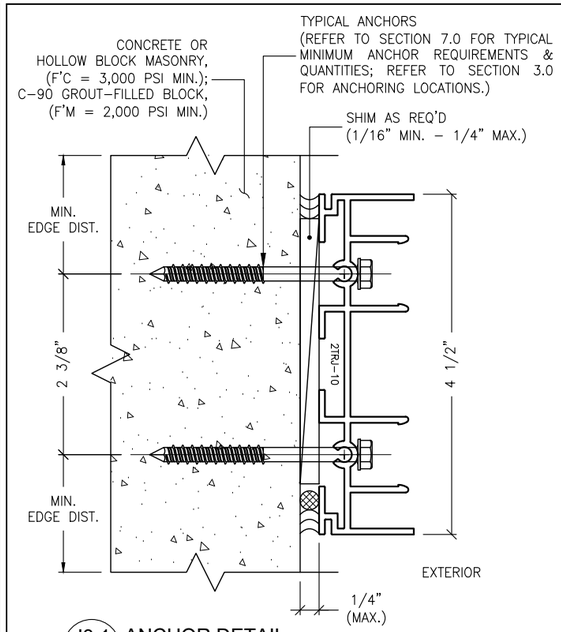
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION: ANCHOR DETAILS

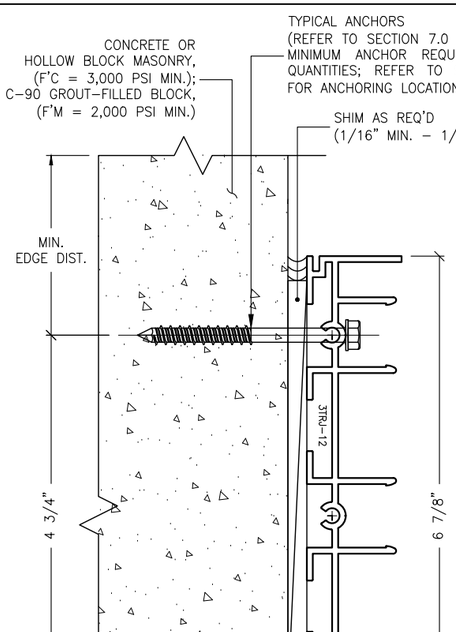
SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

SHEET NO. 8.10 33 of 41

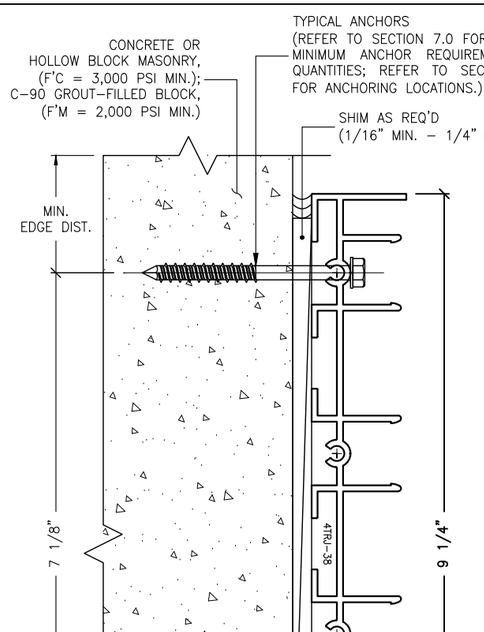
JOB NO. 0000-00



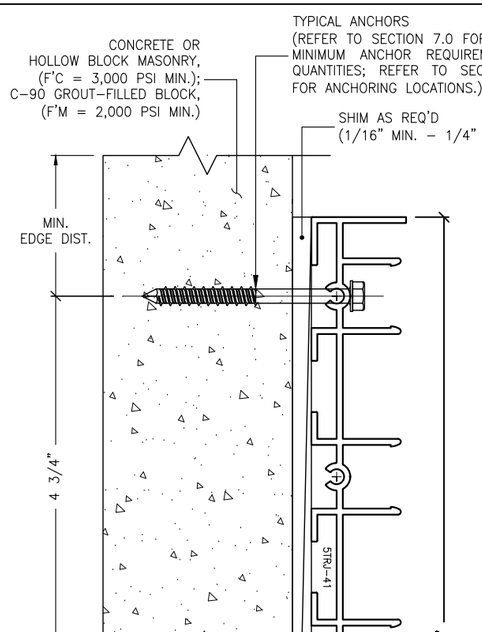
J3.1 / 8.11 ANCHOR DETAIL TWO-TRACK JAMB



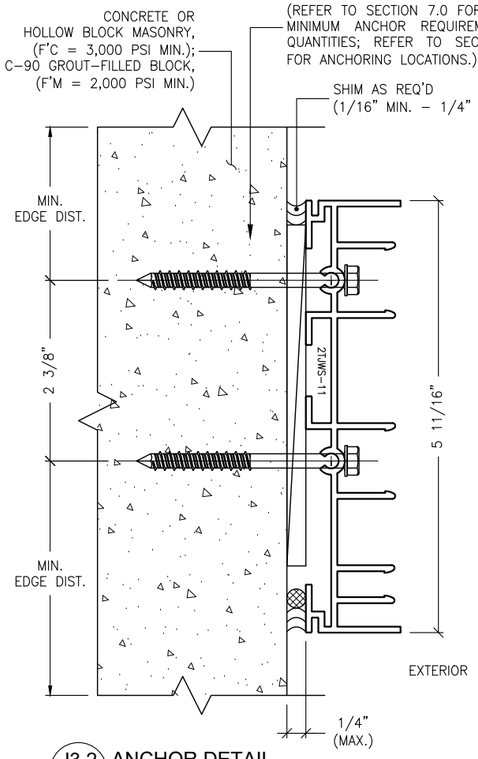
J3.3 / 8.11 ANCHOR DETAIL THREE-TRACK JAMB



J1.4 / 8.11 ANCHOR DETAIL FOUR-TRACK JAMB



J1.5 / 8.11 ANCHOR DETAIL FIVE-TRACK JAMB



J3.2 / 8.11 ANCHOR DETAIL TWO-TRACK W/ SCREEN JAMB

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

ANCHORAGE NOTES:

1. THIS INSTALLATION, AS SHOWN FOR ILLUSTRATIVE REFERENCE, WITHOUT MECHANICAL ANCHORAGE, APPLIES ONLY TO SILL THRESHOLD TRACK CONDITIONS FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. THESE JAMBS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

J3 / 8.11 MECHANICAL ANCHOR, TYPE B FOR TYPICAL JAMBS INTO CONCRETE OR MASONRY STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
2		
3		
4		
5		

SHOP DRAWINGS ARE TO BE APPROVED FOR STRUCTURAL & ENGINEERING DESIGN ONLY

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E. FL# 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA, 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

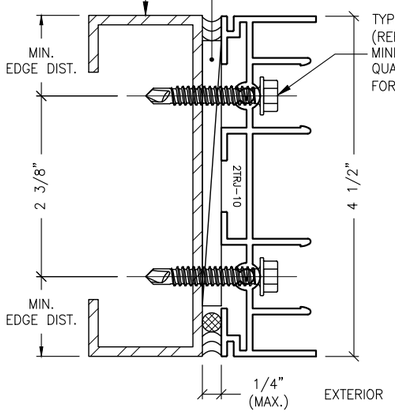
DESCRIPTION: ANCHOR DETAILS

SCALE: 6" = 1'-0" [1:2]

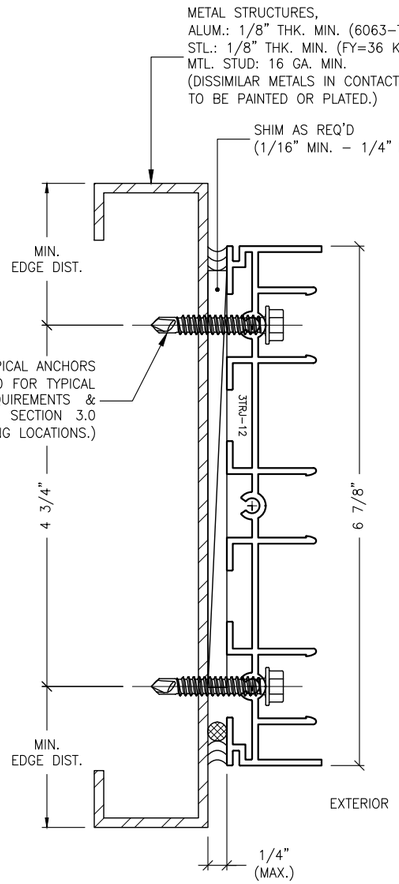
PLOT SIZE: ANSI B (11" X 17")

SHEET NO. 8.11 34 of 41

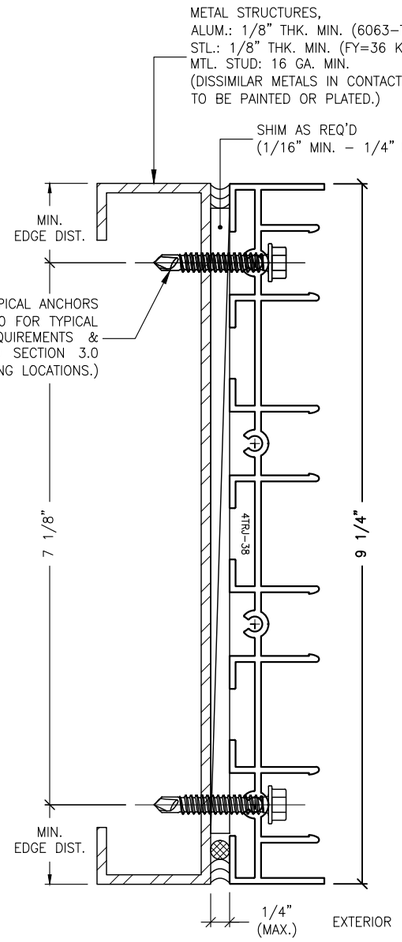
JOB NO. 0000-00



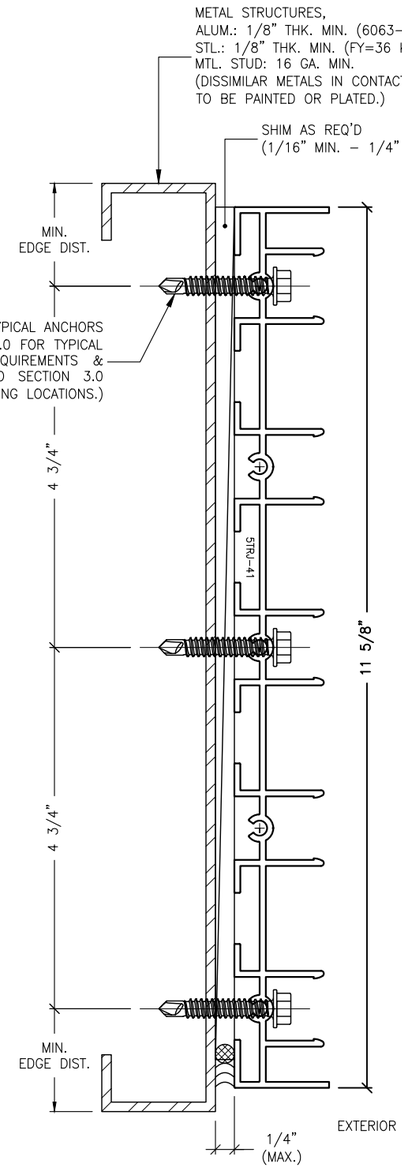
J4.1 / 8.12 ANCHOR DETAIL
TWO-TRACK JAMB



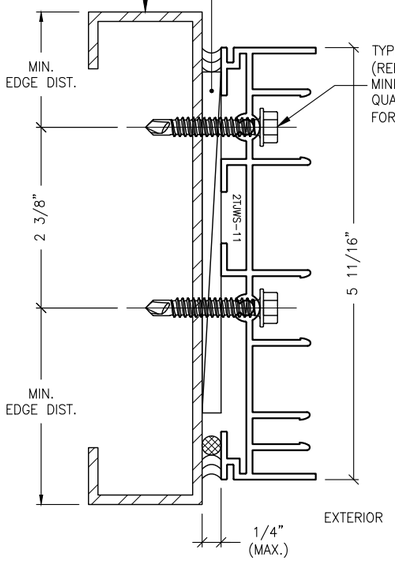
J4.3 / 8.12 ANCHOR DETAIL
THREE-TRACK JAMB



J1.4 / 8.12 ANCHOR DETAIL
FOUR-TRACK JAMB



J1.5 / 8.12 ANCHOR DETAIL
FIVE-TRACK JAMB



J4.2 / 8.12 ANCHOR DETAIL
TWO-TRACK W/ SCREEN JAMB

IMPOSED LOADS NOTE:

BUILDING STRUCTURES, NOT BY VELOCITY IMPACT PRODUCTS, MUST SUPPORT AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

FINISH NOTES:

1. INTERIOR & EXTERIOR FINISHES, (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
2. PERIMETER & JOINT SEALANTS, (BY OTHERS) TO BE RECOMMENDED IN ACCORDANCE PER ASTM E2112.
3. WATER-PROOFING (BY OTHERS).

ANCHORAGE NOTES:

1. THIS INSTALLATION, AS SHOWN FOR ILLUSTRATIVE REFERENCE, WITHOUT MECHANICAL ANCHORAGE, APPLIES ONLY TO SILL THRESHOLD TRACK CONDITIONS FOR TWO-TRACK, TWO-TRACK WITH SCREEN, THREE-TRACK, FOUR-TRACK & FIVE-TRACK FRAME SYSTEMS.
2. THESE JAMBS SHALL BE INSTALLED ONTO ADEQUATELY PREPARED SUBSTRATES, DESIGNED TO WITHSTAND IMPOSED WIND LOADS REQUIREMENTS PER THE FLORIDA BUILDING CODE, (FBC) AND IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

J4 / 8.12 MECHANICAL ANCHOR, TYPE C
FOR TYPICAL JAMBS
INTO METAL STRUCTURES

REVISIONS:

NO.	DATE:	DESCRIPTION:
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2		
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SHOP DRAWINGS NOT APPROVED FOR STRUCTURAL ENGINEERING REVIEW

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

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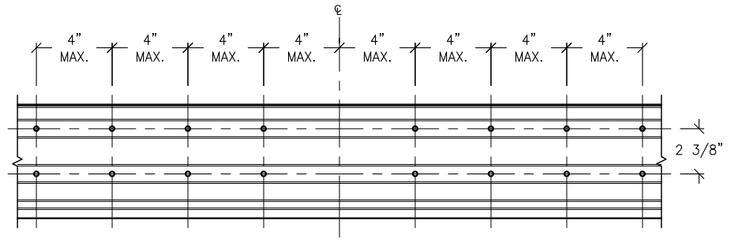
TEL: (561) 393-1003 FAX: (561) 393-1008

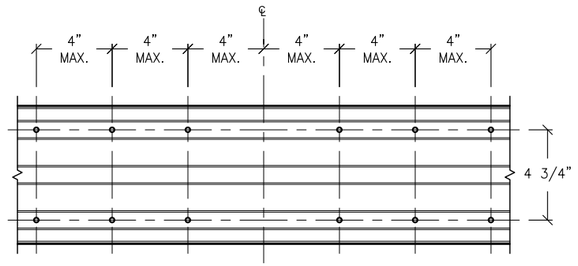
PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com
VELOCITY

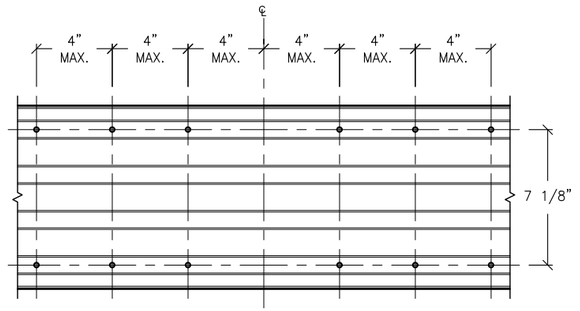
SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS
DESCRIPTION	ANCHOR DETAILS
SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")
SHEET NO.	8.12 35 of 41
JOB NO.	0000-00



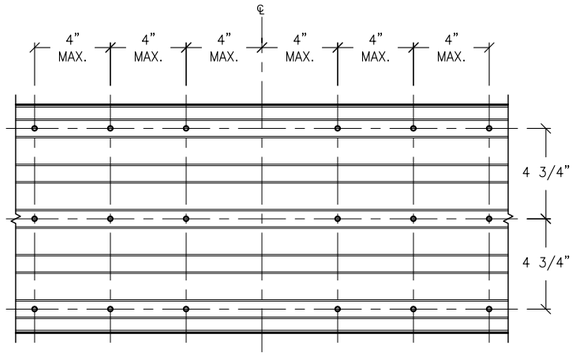
TWO–TRACK SYSTEM (W/ OR W/O SCREEN)
(8) CLUSTER CONFIGURATION



THREE–TRACK SYSTEM
CLUSTER CONFIGURATION



FOUR–TRACK SYSTEM
CLUSTER CONFIGURATION



FIVE–TRACK SYSTEM
CLUSTER CONFIGURATION

ANCHOR CLUSTER NOTES:

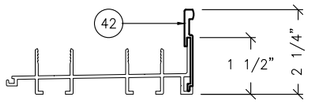
1. FOR TWO–TRACK, (W/ & W/O SCREEN) SYSTEMS, ANCHOR CLUSTERS ARE INSTALLED AT 4" MAX. FROM C.L. INTERLOCKS & STILES, AND IN ROWS TO MAINTAIN SPACING AT 4" MAX. FROM NEAREST ADJACENT ANCHOR.
2. FOR ALL OTHER TRACK SYSTEMS, ANCHOR CLUSTERS ARE INSTALLED AT 4" MAX. FROM C.L. INTERLOCKS & STILES, AND SPACED AT 4" MAX. O.C.
3. A(8), B(8) & C(8) ANCHORS, TYPES A, B & C; (2) ROWS OF (2) EA. SIDE OF INTERLOCKS & STILES.
4. B1(8) ANCHORS, TYPE B; SPACING AT 4" C/C; (2) ROWS OF (2) EA. SIDE OF INTERLOCKS & STILES.
5. REFER TO SHEET 7.0 FOR ANCHORAGE REQUIREMENTS.

ANCHOR NOTES:

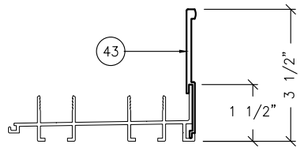
1. FOR ANCHOR LAYOUT AND LOCATIONS, REFER TO SECTION 3.0.
2. USE THE CHARTS ON THIS SHEET, IN CONJUNCTION WITH GLAZING DESIGN LOAD CAPACITIES CHARTS IN SECTION 6.0 FOR APPLICABLE VALUES CONTROL.
3. FOR SUBSTRATE ANCHORING CONDITIONS, REFER TO THE FOLLOWING:

   AT HEAD: SHEETS 8.0 THRU 8.3;
   AT SILL: SHEETS 8.4 THRU 8.8;
   AT JAMBS: SHEETS 8.9 THRU 8.12.

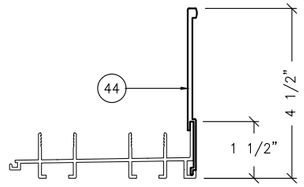
1 8.13 CLUSTER DETAIL
TYP. CONFIGURATIONS FOR ALL TRACK SYSTEMS



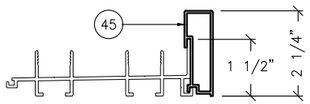
SILL RISER 42
DESIGN PRESSURE LIMIT:
+62.60 PSF



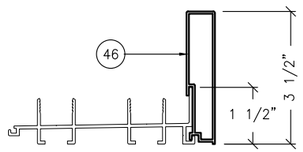
SILL RISER 43
DESIGN PRESSURE LIMIT:
+97.33 PSF



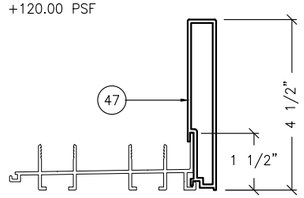
SILL RISER 44
DESIGN PRESSURE LIMIT:
+120.00 PSF



SILL RISER 45
DESIGN PRESSURE LIMIT:
+62.60 PSF



SILL RISER 46
DESIGN PRESSURE LIMIT:
+97.33 PSF



SILL RISER 47
DESIGN PRESSURE LIMIT:
+120.00 PSF

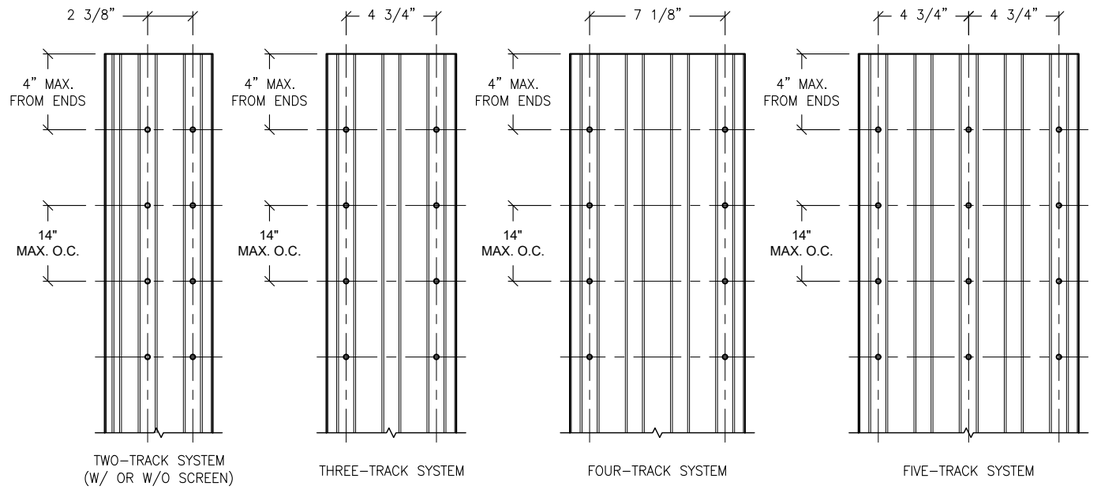
SILL RISER MAXIMUM HEIGHTS

FLUSH SILL	(1–1/2")	*SEE NOTES
LOW RISER	(2–1/4")	+62.60
MEDIUM RISER	(3–1/2")	+97.33
HIGH RISER	(4–1/2")	+120.00

NOTES:

1. FLUSH SILL CONDITION IS NOT RATED FOR WATER RESISTANCE AND FOR USE ONLY WHERE WATER INFILTRATION RATING CRITERIA IS NOT REQUIRED.
2. MAXIMUM POSITIVE DESIGN PRESSURES, AS SHOWN, MAY BE USED WHERE DOOR IS PROTECTED BY AN OVERHANG IN COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODE.

3 8.13 SILL RISERS
OPTIONS FOR ALL TRACK SYSTEMS



TWO–TRACK SYSTEM (W/ OR W/O SCREEN) | THREE–TRACK SYSTEM | FOUR–TRACK SYSTEM | FIVE–TRACK SYSTEM

JAMB ANCHOR NOTE:
REDUCE JAMB ANCHOR SPACING TO 8" MAX. O.C. WHEN INSTALLED INTO HOLLOW & GROUT–FILLED CMU BLOCK.

2 8.13 JAMB ANCHORS
TYP. CONFIGURATIONS FOR ALL TRACK SYSTEMS

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	—	,
2	—	,
3	—	,
4	—	,
5	—	,

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, P.E.
FLORIDA P.E. # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

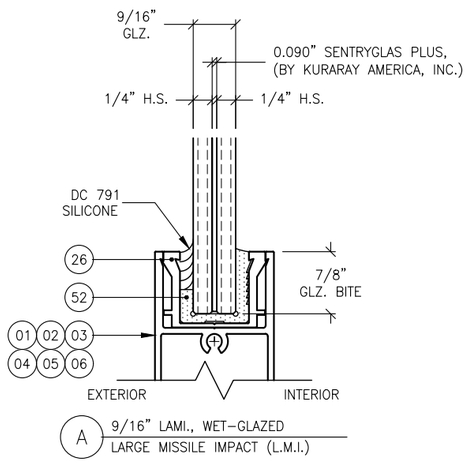
OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

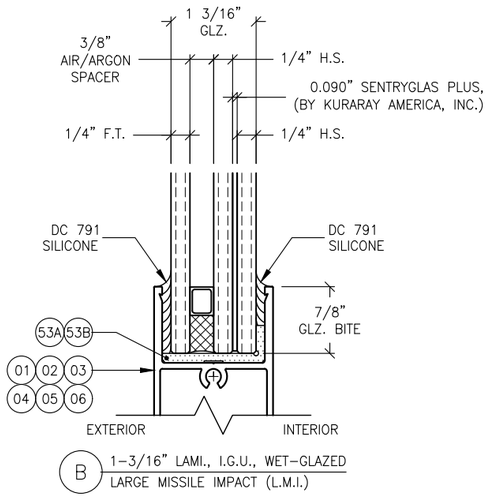
DESCRIPTION
ANCHOR DETAILS

SCALE:	3" = 1'-0" [1:4]
PLOT SIZE:	ANSI B (11" X 17")

SHEET NO.
8.13 36 of 41
JOB NO. 0000-00



A 9/16" LAMI., WET-GLAZED
LARGE MISSILE IMPACT (L.M.I.)



B 1-3/16" LAMI., I.G.U., WET-GLAZED
LARGE MISSILE IMPACT (L.M.I.)

1 / 9.0 GLAZING OPTIONS
TYPICAL MAKE-UP COMPOSITIONS

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
2		
3		
4		
5		
6		

CRISTOPHER STANTON
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TEL: (561) 395-1003 FAX: (561) 393-1008

PROJECT:

SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

OWNER:

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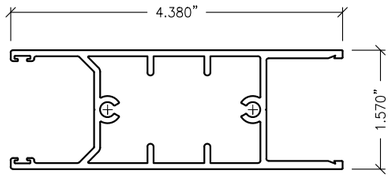
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

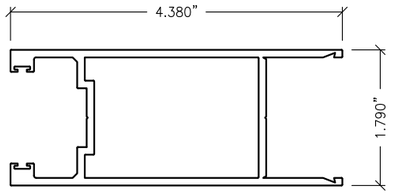
DESCRIPTION
GLAZING OPTIONS

SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

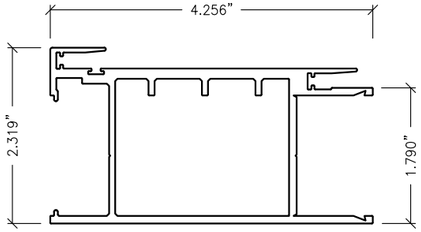
SHEET NO.
9.0 37 of 41
JOB NO. 0000-00



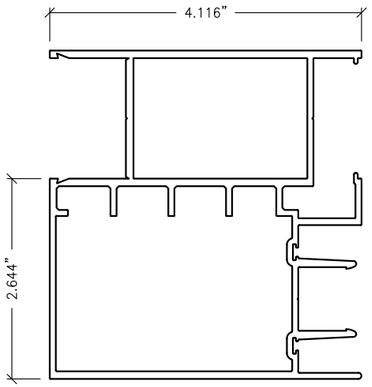
01 STD. DOOR RAIL
DR-1



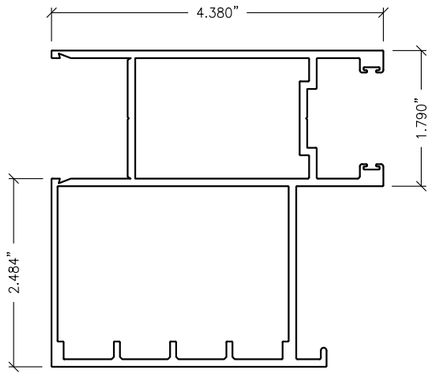
02 STD. DOOR STILE
DS-2



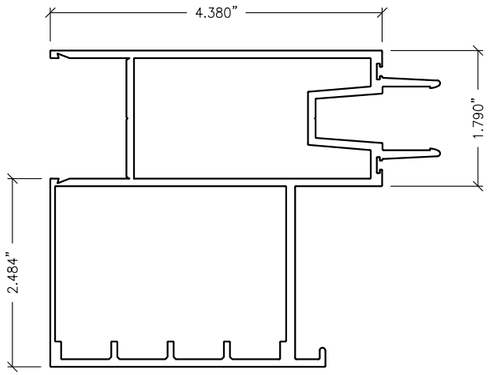
03 INTERLOCK STILE
IL-3



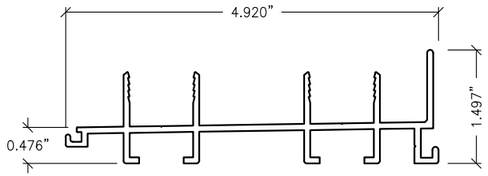
04 BUTT STILE (OFFSET)
BS-4



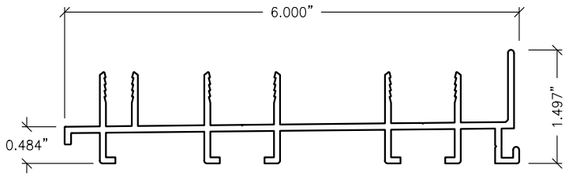
05 INTERLOCK BUTT STILE (FEMALE)
LIL-5



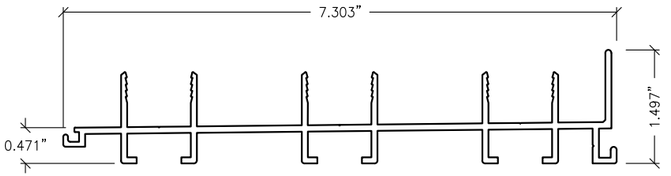
06 LOCK BUTT STILE (MALE)
LIL-6



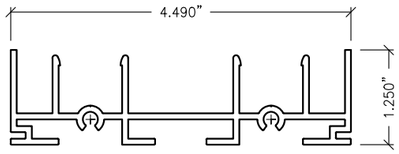
07 TWO-TRACK SILL
2TRS-7



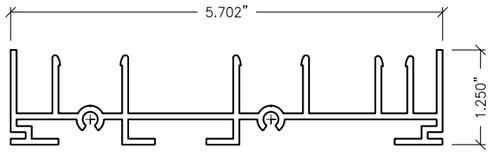
08 TWO-TRACK SILL (W/ SCREEN)
2TWS-8



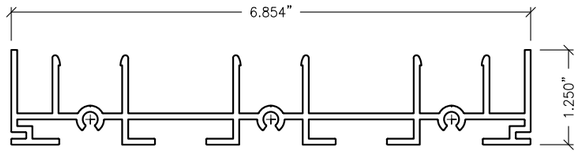
09 THREE-TRACK SILL
3TRS-9



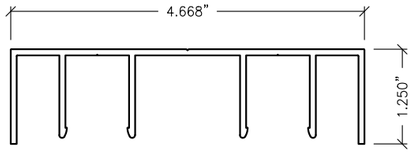
10 TWO-TRACK JAMB
2TRJ-10



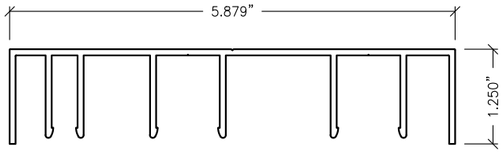
11 TWO-TRACK JAMB (W/ SCREEN)
2TJWS-11



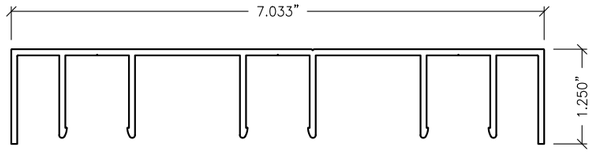
12 THREE-TRACK JAMB
3TRJ-12



13 TWO-TRACK HEADER
2TRH-13



14 TWO-TRACK HEADER (W/ SCREEN)
2TRHWS-14



15 THREE-TRACK HEADER
3TRH-15

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-

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SLIDING GLASS DOOR SYSTEM
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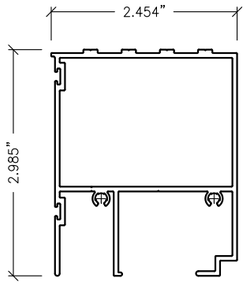
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

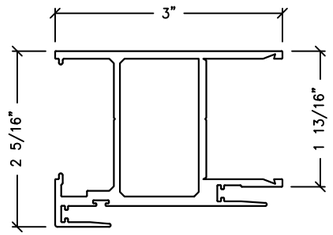
DESCRIPTION
BILL OF MATERIALS

SCALE:	6" = 1'-0" [1:2]
PLOT SIZE:	ANSI B (11" X 17")

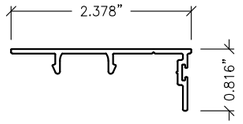
SHEET NO.
10.0 38 of 41
JOB NO. 0000-00



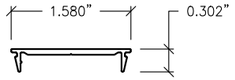
16 THRESHOLD STEP COVER
AS-16



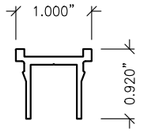
17 NARROW INTERLOCK STILE
IL-3M



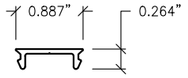
18 JAMB SNAP COVER
AS-18



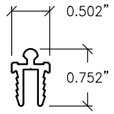
19 STILE SNAP COVER
AS-19



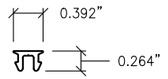
20 LOCK INSERT
AS-21



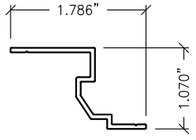
21 ANCHOR SNAP COVER
AS-20



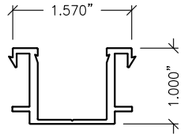
22 SNAP SCREEN GUIDE RAIL
AS-22



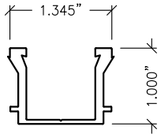
23 SCREEN SNAP COVER
AS-23



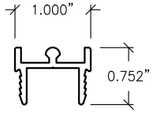
24 FIXED PANEL LOCK CLIP
AS-36



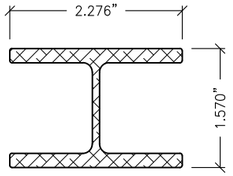
25 9/16" GLZ. STILE ADAPTER
ADPT-25



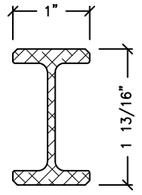
26 9/16" GLZ. RAIL ADAPTER
ADPT-26



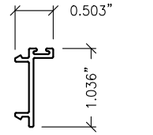
27 SNAP DOOR GUIDE RAIL
AS-27



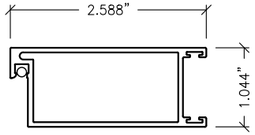
28 ALUM. REINF.
AR-28



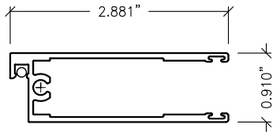
28M ALUM. REINF.
AR-28M



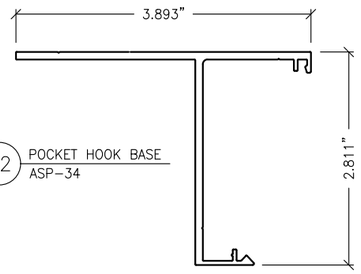
29 STILE SNAP COVER
SCN-29



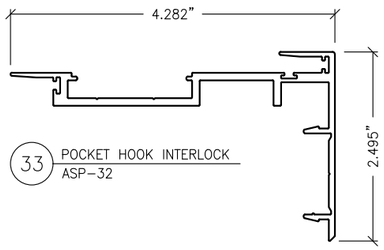
30 SCREEN STILE
SCN-30



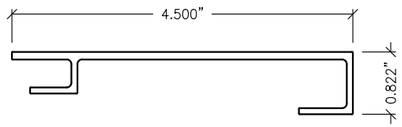
31 SCREEN RAIL
SCN-31REV



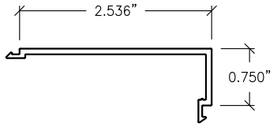
32 POCKET HOOK BASE
ASP-34



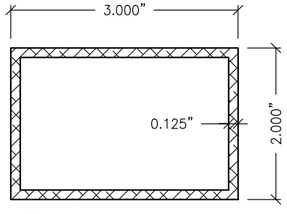
33 POCKET HOOK INTERLOCK
ASP-32



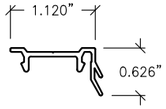
34 POCKET HOOK CATCH
ASP-33



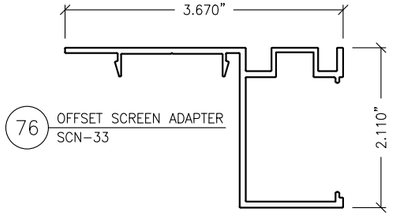
35 POCKET HOOK COVER
ASP-35



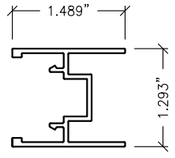
73 ALUM. TUBE REINF.
20-61-275



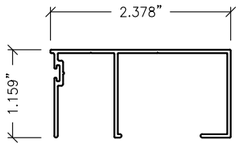
75 FIXED PANEL LOCK CLIP
AS-24



76 OFFSET SCREEN ADAPTER
SCN-33



77 CENTER MEET SCREEN ADAPTER
SCN-32REV



78 HEAD/SILL BUMPER COVER
AS-17

REVISIONS:

NO.	DATE:	DESCRIPTION:
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, PE
FL/PE # 69316

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
TEL: (561) 393-1003 FAX: (561) 393-1008

PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

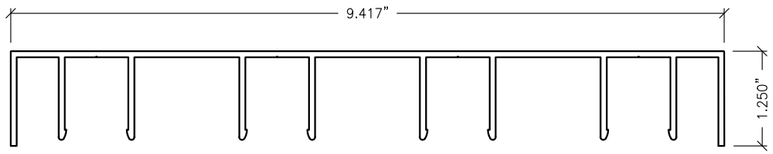
OWNER:
VELOCITY IMPACT PRODUCTS
2200 AVENUE L, WEST PALM BEACH, FLORIDA 33404
TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

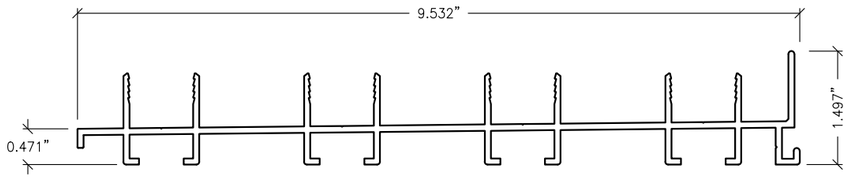
DESCRIPTION
BILL OF MATERIALS

SCALE: 6" = 1'-0" [1:2]
PLOT SIZE: ANSI B (11" X 17")

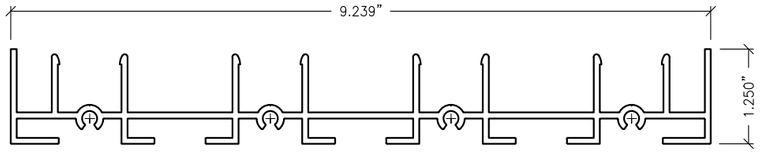
SHEET NO.
10.1
39 of 41
JOB NO. 0000-00



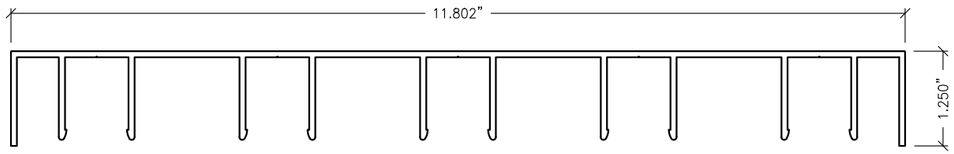
36 FOUR–TRACK HEADER
4TRH–36



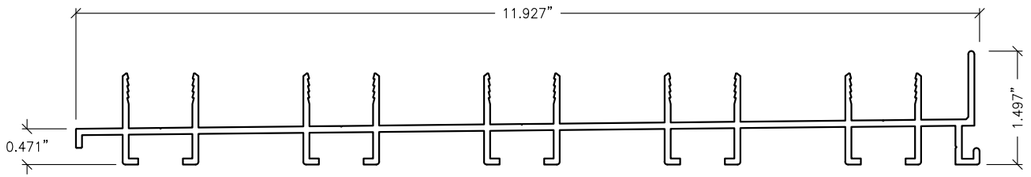
37 FOUR–TRACK SILL
4TRS–37



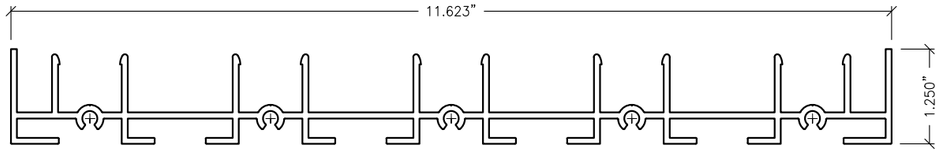
38 FOUR–TRACK JAMB
4TRJ–38



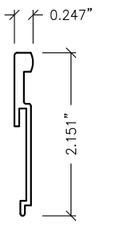
39 FIVE–TRACK HEADER
5TRH–39



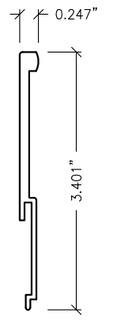
40 FIVE–TRACK SILL
5TRS–40



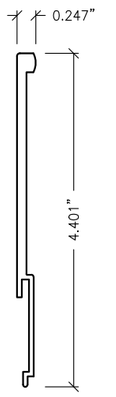
41 FIVE–TRACK JAMB
5TRJ–41



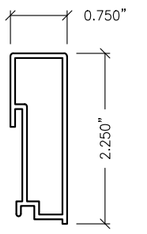
42 2–1/4" RISER
RR–225



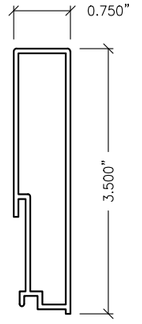
43 3–1/2" RISER
RR–35



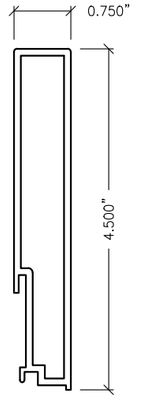
44 4–1/2" RISER
RR–45



45 2–1/4" BOX RISER
R–225



46 3–1/2" BOX RISER
R–35



47 4–1/2" BOX RISER
R–45

52 9/16" WET GLAZE GASKET
EPDM–52

53A 1–3/16" WET GLAZE STILE GASKET
EPDM–53A

53B 1–3/16" WET GLAZE RAIL GASKET
EPDM–53B

REVISIONS:

NO.	DATE:	DESCRIPTION:
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-

CHRISTOPHER STANTON
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No 69316
STATE OF
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PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, PE
FL# PE # 69316

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2701 NORTHWEST BOCA RATON BOULEVARD, SUITE 204
BOCA RATON, FLORIDA 33431
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PROJECT:
SERIES SGD 1000
SLIDING GLASS DOOR SYSTEM
PRODUCT APPROVAL FBC (2020): FL# 31650.1

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TEL: (561) 429-5740 NET: www.VelocityImpactProducts.com

SUBMIT DATE:	01APR2019
DRAWN BY:	KJT
CHECKED BY:	CS

DESCRIPTION
BILL OF MATERIALS

SCALE: 6" = 1'-0" [1:2]

PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
10.2 40 of 41
JOB NO. 0000-00

CHART 10.3.7 BILL OF MATERIALS

ITEM NO.	PART NO.	DESCRIPTION	MANUF./SUPPLIER	MATERIAL
01	DR-1	STANDARD DOOR RAIL	KEYMARK	6063-T6
02	DS-2	STANDARD DOOR STILE	KEYMARK	6063-T6
03	IL-3	INTERLOCK STILE (STANDARD)	KEYMARK	6063-T6
04	BS-4	OFFSET BUTT STILE	KEYMARK	6063-T6
05	LIL-5	FEMALE BUTT STILE	KEYMARK	6063-T6
06	LIL-6	MALE BUTT STILE	KEYMARK	6063-T6
07	2TRS-7	TWO-TRACK SILL	KEYMARK	6063-T6
08	2TWS-8	TWO-TRACK SILL (W/SCREEN)	KEYMARK	6063-T6
09	3TRS-9	THREE TRACK SILL	KEYMARK	6063-T6
10	2TRJ-10	TWO-TRACK JAMB	KEYMARK	6063-T6
11	2TJWS-11	TWO-TRACK JAMB (W/SCREEN)	KEYMARK	6063-T6
12	3TRJ-12	THREE-TRACK JAMB	KEYMARK	6063-T6
13	2TRH-13	TWO-TRACK HEADER	KEYMARK	6063-T6
14	2TRHWS-14	TWO-TRACK HEADER (W/SCREEN)	KEYMARK	6063-T6
15	3TRH-15	THREE TRACK HEADER	KEYMARK	6063-T6
16	AS-16	3-1/2" THRESHOLD STEP COVER	KEYMARK	6063-T6
17	IL-3M	NARROW INTERLOCK	KEYMARK	6063-T6
18	AS-18	JAMB SNAP COVER	KEYMARK	6063-T6
19	AS-19	STILE SNAP COVER	KEYMARK	6063-T6
20	AS-21	LOCK INSERT	KEYMARK	6063-T6
21	AS-20	ANCHOR SNAP COVER	KEYMARK	6063-T6
22	AS-22	SNAP SCREEN GUIDE RAIL	KEYMARK	6063-T6
23	AS-23	SCREEN JAMB SNAP COVER	KEYMARK	6063-T6
24	AS-36	FIXED PANEL HOLD BACK CLIP	KEYMARK	6063-T6
25	ADPT-25	9/16" GLZ STILE ADAPTER	KEYMARK	6063-T6
26	ADPT-26	9/16" GLZ RAIL ADAPTER	KEYMARK	6063-T6
27	AS-27	SNAP DOOR GUIDE RAIL	KEYMARK	6063-T6
28	AR-28	ALUM REINF. (STANDARD INTERLOCK)	KEYMARK	6005A-T6
28M	AR-28M	ALUM REINF. (NARROW INTERLOCK)	KEYMARK	6061-T6
29	SCN-29	SCREEN STILE SNAP COVER	KEYMARK	6063-T6
30	SCN-30	SCREEN STILE	KEYMARK	6063-T6
31	SCN-31REV	SCREEN RAIL	KEYMARK	6063-T6
32	ASP-34	POCKET HOOK BASE	KEYMARK	6063-T6
33	ASP-32	POCKET HOOK INTERLOCK	KEYMARK	6063-T6
34	ASP-33	POCKET HOOK CATCH	KEYMARK	6063-T6
35	ASP-35	POCKET HOOK COVER	KEYMARK	6063-T6
36	–	N/A	–	–
37	–	N/A	–	–
38	–	N/A	–	–
39	–	N/A	–	–
40	–	N/A	–	–
41	–	N/A	–	–
42	RR-225	2-1/4" FLAT RISER	KEYMARK	6063-T6
43	RR-35	3-1/2" FLAT RISER	KEYMARK	6063-T6
44	RR-45	4-1/2" FLAT RISER	KEYMARK	6063-T6
45	R-225	2-1/4" BOX RISER	KEYMARK	6063-T6
46	R-35	3-1/2" BOX RISER	KEYMARK	6063-T6
47	R-45	4-1/2" BOX RISER	KEYMARK	6063-T6

CHART 10.3.8 BILL OF MATERIALS (CONT.)

ITEM NO.	PART NO.	DESCRIPTION	MANUF./SUPPLIER	MATERIAL
48A	WHLCST-48A	CAST WHEEL ASSEMBLY, NYLON ROLLER	SULLIVAN ASSOC.	SST/NYLON
48B	WHLCST-48B	CAST WHEEL ASSEMBLY, SST ROLLER	SULLIVAN ASSOC.	SST/SST
48C	WHLCST-48C	CAST WHEEL ASSEMBLY, POLYMER ROLLER	INTERLOCK USA	SST/POLYMER
48D	WHLCST-48D	CAST WHEEL ASSEMBLY, SST ROLLER	INTERLOCK USA	SST/SST
49	SCN-29A	SCREEN ROLLER	SULLIVAN ASSOC.	ALUM/NYLON
50	LCKSTP-50	LOCK STOP	CUSTOM HARDWARE	SST
51	LCKSTP-51	LOCK STOP	INTERLOCK USA	DIE-CAST/SST
52	EPDM-52	9/16" WET GLZ. GASKET	CENTRAL PLASTICS	EPDM RUBBER
53A	EPDM-53A	1-3/16" STILE WET GLZ. GASKET	CENTRAL PLASTICS	EPDM RUBBER
53B	EPDM-53B	1-3/16" RAIL WET GLZ. GASKET	CENTRAL PLASTICS	EPDM RUBBER
54	–	#12 X 1-1/2" ASSEMBLY SCREW	VARIES	SST
55	FSP-55	STRIKE PLATE	CUSTOM HARDWARE	SST
56	ASP-56	STRIKE PLATE	INTERLOCK USA	DIE-CAST/SST
57	ED-57	END DAM	VARIES	ALUM
58	–	#10 X 3/8" ASSEMBLY SCREW	VARIES	SST
59	WQ32019	0.187" X .200" WEATHER STRIP	ULTRAFAB	POLYPROPYLENE
60	E201	0.187" X .145" BULB WEATHER STRIP	ULTRAFAB	TPE/POLYPROPYLENE
61	P7599	2.43" X 1.375" HEAD ULTRAPLUG	ULTRAFAB	POLYPROPYLENE
62	P5599	2.43" X 1.375" SILL ULTRAPLUG	ULTRAFAB	POLYPROPYLENE
63	P5044	0.440" X 1.375" STILE ULTRAFIN	ULTRAFAB	POLYPROPYLENE
64	P7505	1.350" X .969" RAIL ULTRAPILE	ULTRAFAB	POLYPROPYLENE
65	P7599	2.43" X .500" HEAD ULTRAPLUG (POCKET)	ULTRAFAB	POLYPROPYLENE
66	–	#10 X 3/4" ASSEMBLY SCREW	VARIES	SST
67	–	#10 X 1-1/2" ASSEMBLY SCREW	VARIES	SST
68	–	#12 X 3" ASSEMBLY SCREW	VARIES	SST
69	WC-XX	WEEP SLOT COVER	LAWRENCE	NYLON
70	–	DOW 791	DOW CORNING	SILICONE
71	AC-XX	WHEEL ADJUSTMENT HOLE COVER	VARIES	POLYMER
72	PB-XX	PANEL BUMPER	VARIES	POLYMER
73	20-61-275	ALUM. REINF.	VARIES	6061-T6
74	W132719	0.187" X .270" WEATHER STRIP	ULTRAFAB	POLYPROPYLENE
75	AS-24	FIXED PANEL HOLD BACK CLIP	KEYMARK	6005A-T6
76	SCN-33	OFFSET SCREEN ADAPTER	KEYMARK	6061-T6
77	SCN-32REV	CENTER MEET SCREEN ADAPTER	KEYMARK	6061-T6
78	AS-17	HEAD/SILL BUMPER COVER	KEYMARK	6061-T6
79	–	HANDLE	VARIES	VARIES
80	–	THUMB-TURN	VARIES	VARIES
81	–	0.185" x .070" SCREEN SPLINE	CENTRAL PLASTICS	PVC
82	–	#14 X3" INSTALLATION ANCHOR	VARIES	VARIES
83	–	1/4" x 3-1/4 HWH TAPCON	VARIES	VARIES
84	0	FRAME SPLICE	VELOCITY IMPACT PRODUCTS	PLA
85	9/16" GLZ	1/4" CLEAR H.S, 0.090" SGP, 1/4" CLEAR H.S.	VARIES	GLASS
86	1-3/16" GLZ	1/4" CLEAR TEMP, 3/8" AS, 1/4" CLEAR H.S., 0.090" SGP, 1/4" CLEAR H.S.	VARIES	GLASS

REVISIONS:

NO.	DATE:	DESCRIPTION:
1		
2		
3		
4		
5		
6		

SHOP DRAWINGS NOT APPROVED FOR STRUCTURAL ENGINEERING REVIEW

CHRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA PROFESSIONAL ENGINEER
CHRISTOPHER STANTON, PE FL P.E. # 69316

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VELOCITY

SUBMIT DATE: 01APR2019
DRAWN BY: KJT
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DESCRIPTION
BILL OF MATERIALS

SCALE: FULL [1:1]
PLOT SIZE: ANSI B (11" X 17")

SHEET NO.
10.3 41 of 41
JOB NO. 0000-00