

# PROGRESSIVE SCREENS

## FIXED TRACK FABRIC SHUTTER

### (HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
  - ASTM E330-14
  - ASTM E1886-13
  - ASTM E1996-14
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. ALL EXTRUSION MATERIAL: 6063-T6 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
6. SHUTTER MANUFACTURER LABEL SHALL BE LOCATED IN A READILY VISIBLE LOCATION, PER FBC CHAPTER 17.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. REFER TO ANCHOR SCHEDULE CHART ON SHEET 3, 4 FOR ANCHOR TYPE, SUBSTRATE TYPE, EDGE DISTANCE AND MINIMUM EMBEDMENT.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. ASSEMBLY FASTENERS SHALL BE COATED WITH AN HV COATING SYSTEM AS MANUFACTURED BY AN APPROVED COATING APPLICATOR REGISTERED WITH THE AMERICAN SHUTTER SYSTEMS ASSOCIATION.
7. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

9.1. WOOD - MINIMUM SPECIFIC GRAVITY 0.55.

9.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

9.3. GROUT FILLED MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MIN. 2000 PSI.

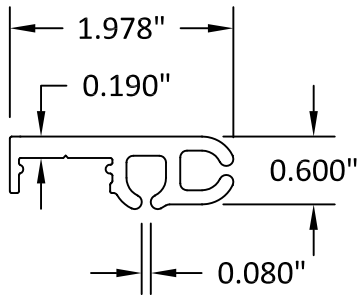
9.4. STEEL - MINIMUM A36, 3/16" THICKNESS.

9.5. ALUMINUM - MINIMUM 6063-T6, 1/4" THICKNESS.

| TABLE OF CONTENTS |                                                          |
|-------------------|----------------------------------------------------------|
| SHEET             | SHEET DESCRIPTION                                        |
| 1                 | GENERAL NOTES, INSTALLATION NOTES, & FIXED TRACK PROFILE |
| 2                 | ELEVATIONS                                               |
| 3                 | ANCHOR LAYOUTS AND ANCHOR SCHEDULE                       |
| 4                 | VERTICAL SECTIONS                                        |
| 5                 | HORIZONTAL SECTIONS                                      |

| MAX. DESIGN PRESSURE (PSF) |          |          |
|----------------------------|----------|----------|
| FRAME SPAN                 | POSITIVE | NEGATIVE |
| 120"                       | 125 PSF  | 125 PSF  |

NOTE:  
MINIMUM GLASS SEPARATION 22-5/16" AT 10' SPAN



FIXED TRACK



PROGRESSIVE SCREENS  
7839 FRUITVILLE ROAD  
SARASOTA, FLORIDA 34240  
PH: 866-802-0400

TITLE: FIXED TRACK FABRIC SHUTTER (HVHZ) (IMPACT)

GENERAL NOTES, INSTALLATION NOTES, & FIXED TRACK PROFILE

PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI CT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com

| REMARKS    | BY | DATE    |
|------------|----|---------|
| FBC UPDATE | SM | 9/26/23 |
|            |    |         |
|            |    |         |
|            |    |         |

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2023.10.19 13:45:11 -0400



FL#: FL41224

DATE: 03.17.22

DWG. BY: SH      CHK. BY: SM

SCALE: NTS

DWG. #: PRG007

SHEET: 1 OF 5



PROGRESSIVE SCREENS  
7839 FRUITVILLE ROAD  
SARASOTA, FLORIDA 34240  
PH: 866-802-0400

TITLE: FIXED TRACK FABRIC SHUTTER  
(HVHZ) (IMPACT)

ELEVATIONS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com

BUILDING DROPS

| REMARKS    | BY | DATE    |
|------------|----|---------|
| FBC UPDATE | SM | 9/26/23 |
|            |    |         |
|            |    |         |
|            |    |         |

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#: **FL41224**

DATE: **03.17.22**

DWG. BY:  
**SH**

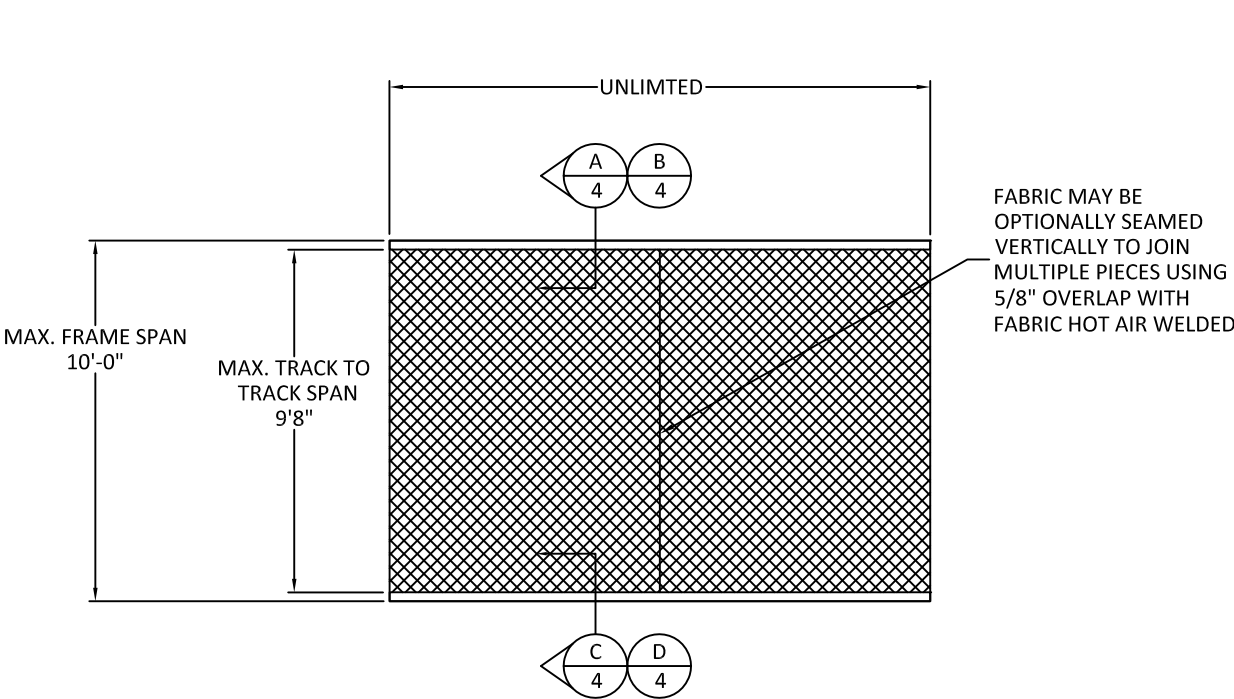
CHK. BY:  
**SM**

SCALE: **NTS**

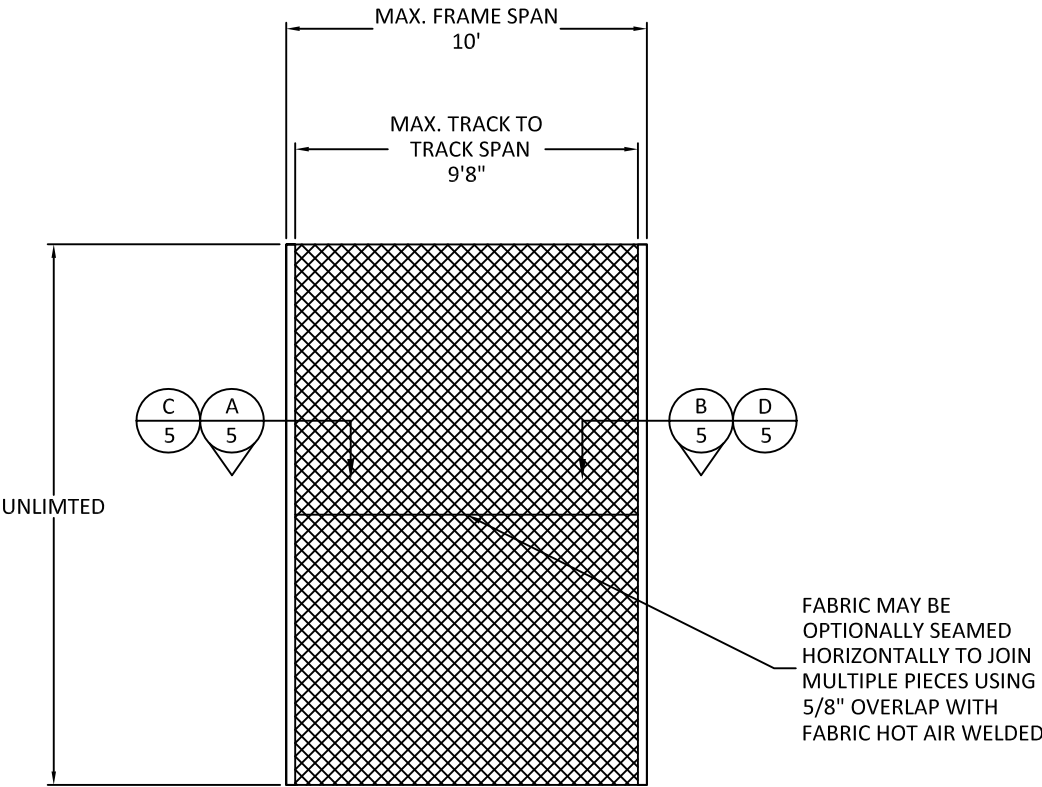
DWG. #: **PRG007**

SHEET:  
**2**

OF 5

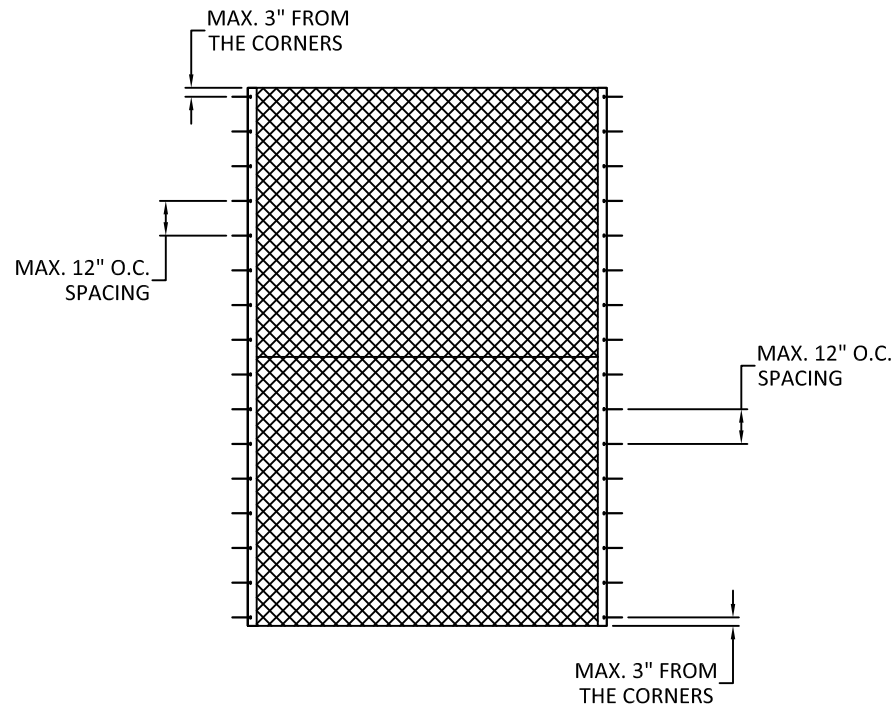


**ELEVATION**  
HORIZONTAL TRACK

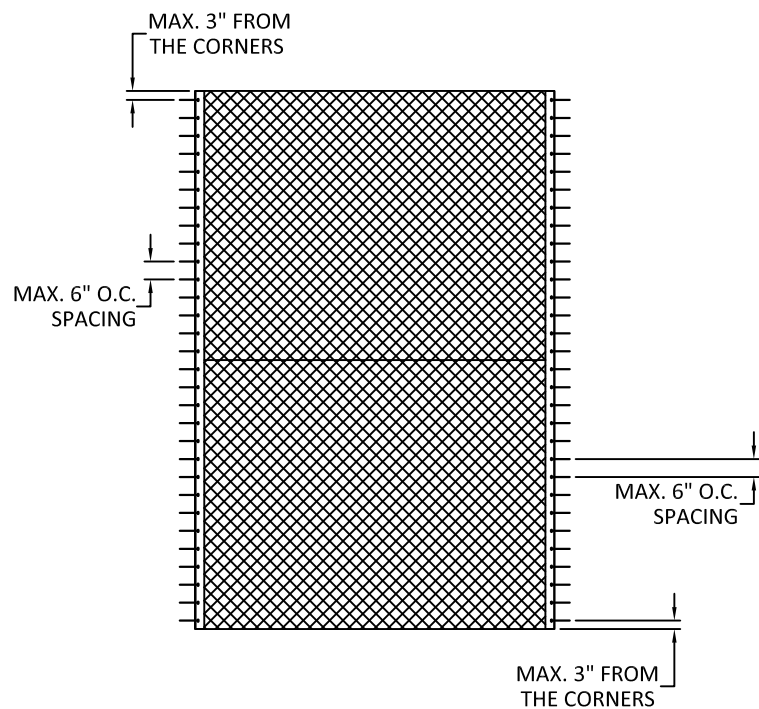


**ELEVATION**  
VERTICAL TRACK

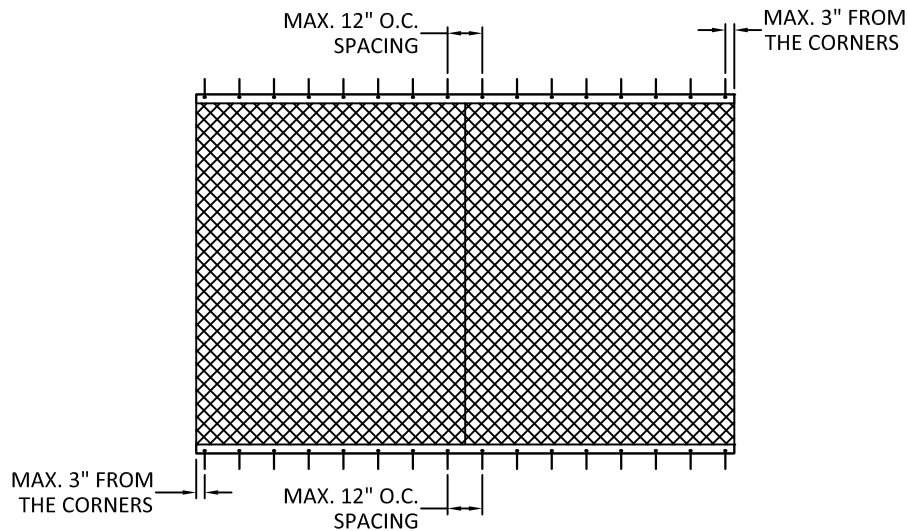
- CONSTRUCTION NOTES**
- SCREEN FABRIC DESCRIPTION: A WOVEN SCREEN FABRIC USING .027" DIAMETER VINYL COATED 1500 DENIER POLYESTER YARNS IN THE WRAP DIRECTION AND .030" VINYL COATED 2,000D ARAMID YARNS OR UHMWPP YARNS IN THE FILL DIRECTION.
  - KEDER IS 4 MM (AT TRACKS) PVC CORD PROVIDED BY KEDER SOLUTIONS WITH A TENSILE STRENGTH OF 2100 PSI, WRAPPED AND WELDED WITH A DOUBLE FLAP KEDER USING STANDARD WEAVE FABRIC (WHITE OR BLACK) PROVIDED BY KEDER SOLUTIONS, WITH 64 MM WIDTH (AT TRACKS).



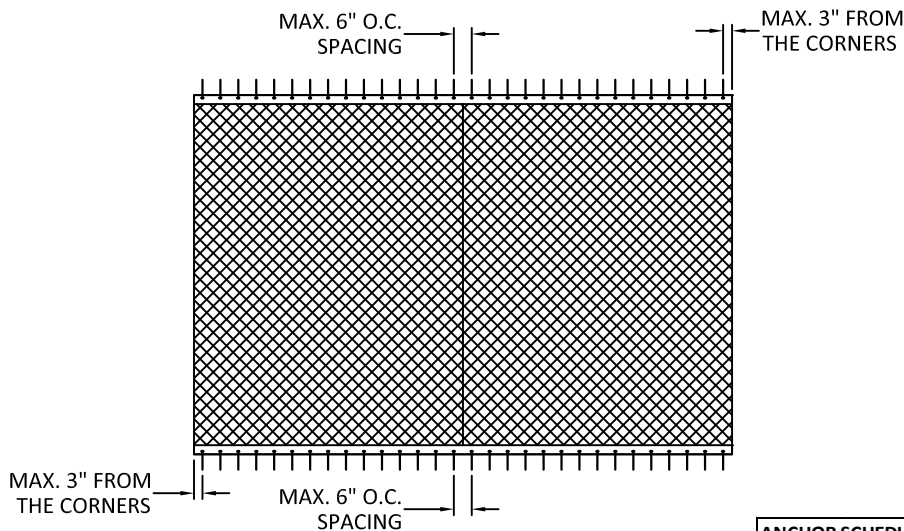
**ANCHOR LAYOUT**  
**ANCHOR TYPES: A,B,D,E,F,H**



**ANCHOR LAYOUT**  
**ANCHOR TYPES: C,G,I**



**ANCHOR LAYOUT**  
**ANCHOR TYPES: A,B,D,E,F,H**



**ANCHOR LAYOUT**  
**ANCHOR TYPES: C,G,I**

| ANCHOR SCHEDULE: |                                                                   |                                           |               |                          |
|------------------|-------------------------------------------------------------------|-------------------------------------------|---------------|--------------------------|
| ANCHOR           | DESCRIPTION                                                       | MATERIAL                                  | EDGE DISTANCE | EMBEDMENT                |
| A                | 3/8" DEWALT/POWERS WEDGE-BOLT                                     | MIN. 3000 PSI CONCRETE                    | 3 3/4"        | 3 1/2"                   |
| B                | 5/16" ITW TAPCON                                                  | MIN. 3000 PSI CONCRETE                    | 2 3/16"       | 2 1/4"                   |
| C                | 3/8" DEWALT/POWERS WEDGE-BOLT                                     | GROUT FILLED C-90 BLOCK<br>f'm ≥ 1500 PSI | 2"            | 2 1/2"                   |
| D                | 5/16" ITW TAPCON                                                  | GROUT FILLED C-90 BLOCK<br>f'm ≥ 2000 PSI | 4"            | 2 1/4"                   |
| E                | #14 DEWALT/ELCO DRIL-FLEX SELF<br>DRILLING SCREW                  | MIN. 1/4" 6063-T6 ALUM.                   | 1/2"          | 3 THREADS<br>PENETRATION |
|                  |                                                                   | A36 3/16" STEEL                           | 3/8"          |                          |
| F                | 5/16" DEWALT/ELCO ULTRACON                                        | MIN. SG = 0.55 WOOD                       | 1 1/2"        | 2"                       |
| G                | 1/4" ITW TAPCON                                                   | MIN. 3000 PSI CONCRETE                    | 2 1/2"        | 1 3/4"                   |
| H                | 1/2" HILLMAN GROUP SOLID SET ANCHOR<br>WITH 1/4"-20 MACHINE SCREW | MIN. 3000 PSI CONCRETE                    | 3"            | 7/8"                     |
| I                | 1/2" HILLMAN GROUP SOLID SET ANCHOR<br>WITH 1/4"-20 MACHINE SCREW | GROUT FILLED C-90 BLOCK<br>f'm ≥ 1800 PSI | 3"            | 7/8"                     |



PROGRESSIVE SCREENS  
7839 FRUITVILLE ROAD  
SARASOTA, FLORIDA 34240  
PH: 866-802-0400

TITLE: FIXED TRACK FABRIC SHUTTER  
(HVHZ) (IMPACT)

ANCHOR LAYOUTS AND  
ANCHOR SCHEDULE

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com



| REMARKS    | BY | DATE    |
|------------|----|---------|
| FBC UPDATE | SM | 9/26/23 |
|            |    |         |
|            |    |         |
|            |    |         |

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC  
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC  
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE  
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED  
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC  
DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#: **FL41224**

DATE: **03.17.22**

DWG. BY: **SH** CHK. BY: **SM**

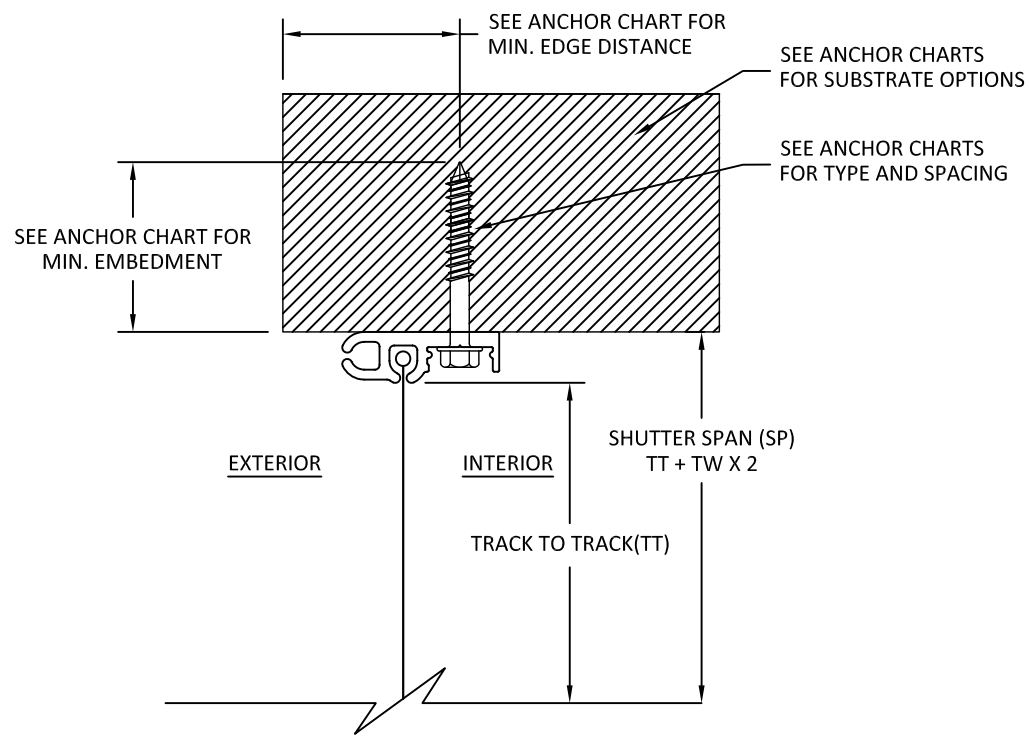
SCALE: **NTS**

DWG. #: **PRG007**

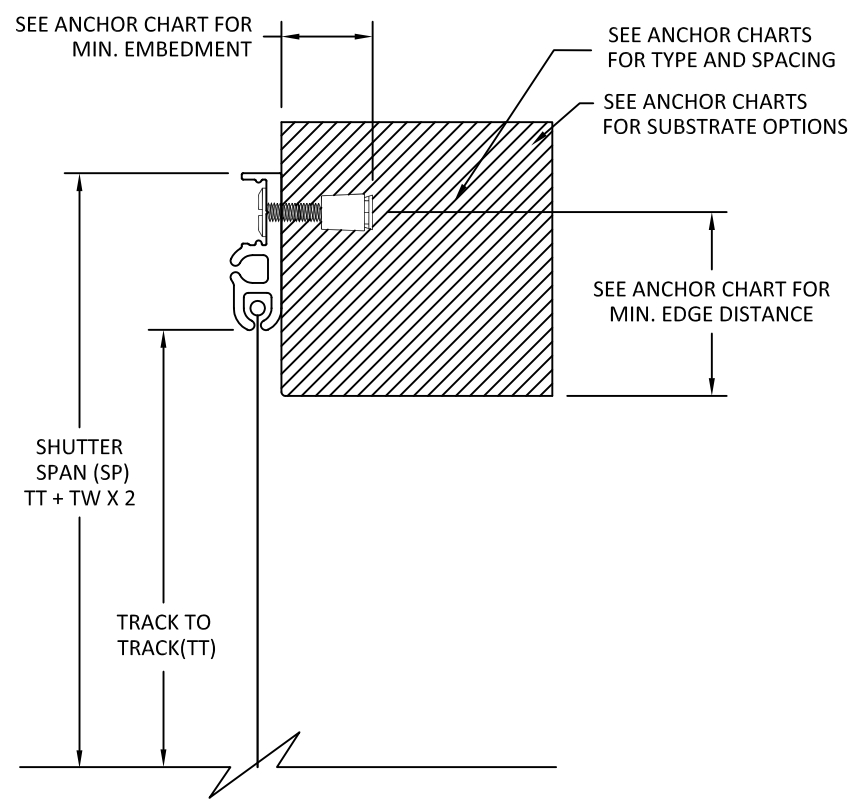
SHEET:

**3**

OF 5

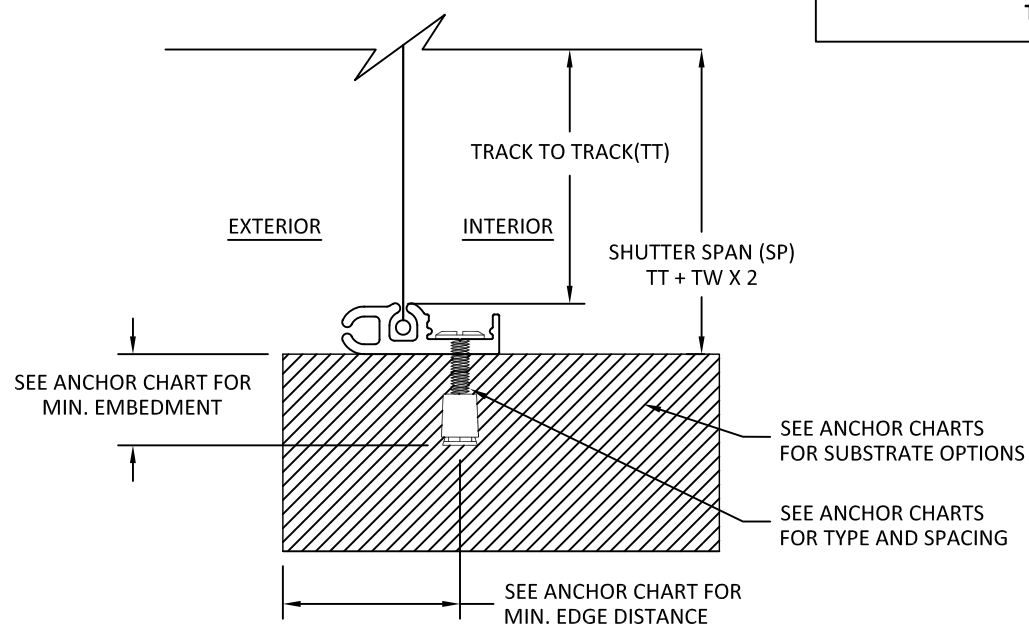


**A**  
**4** **VERTICAL SECTION**  
INSIDE MOUNT  
HEAD

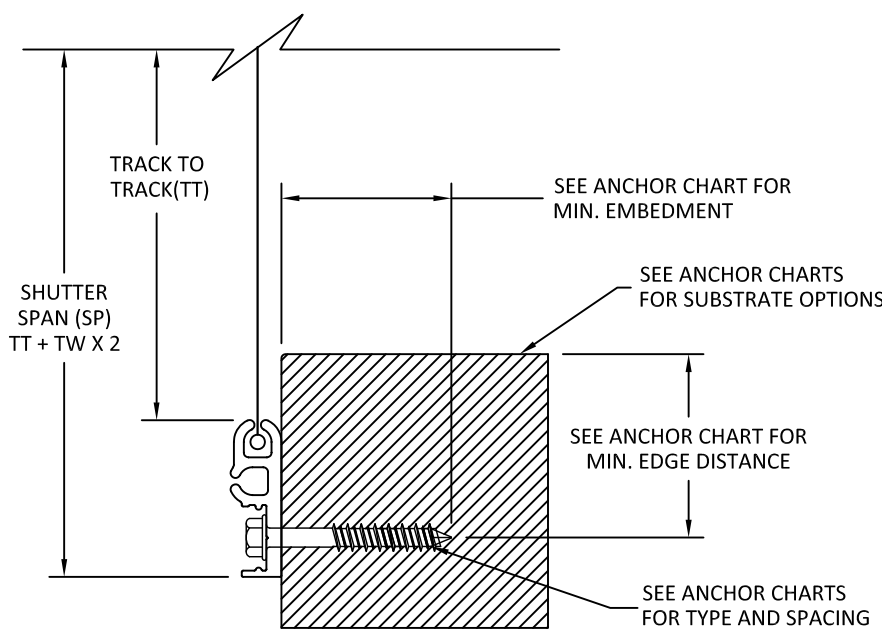


**B**  
**4** **VERTICAL SECTION**  
OUTSIDE MOUNT  
HEAD

COMBINATION MOUNTED:  
INSIDE AND OUTSIDE MOUNT CAN BE USED  
TOGETHER



**C**  
**4** **VERTICAL SECTION**  
INSIDE MOUNT  
SILL



**D**  
**4** **VERTICAL SECTION**  
OUTSIDE MOUNT  
SILL

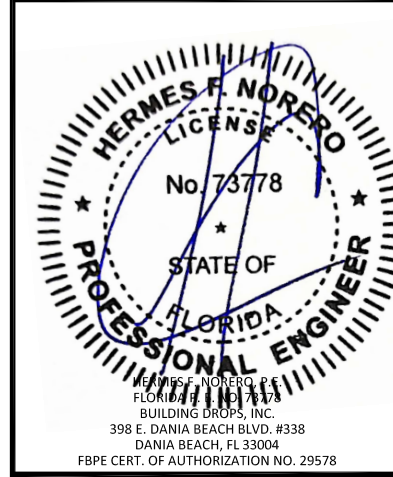


PROGRESSIVE SCREENS  
7839 FRUITVILLE ROAD  
SARASOTA, FLORIDA 34240  
PH: 866-802-0400

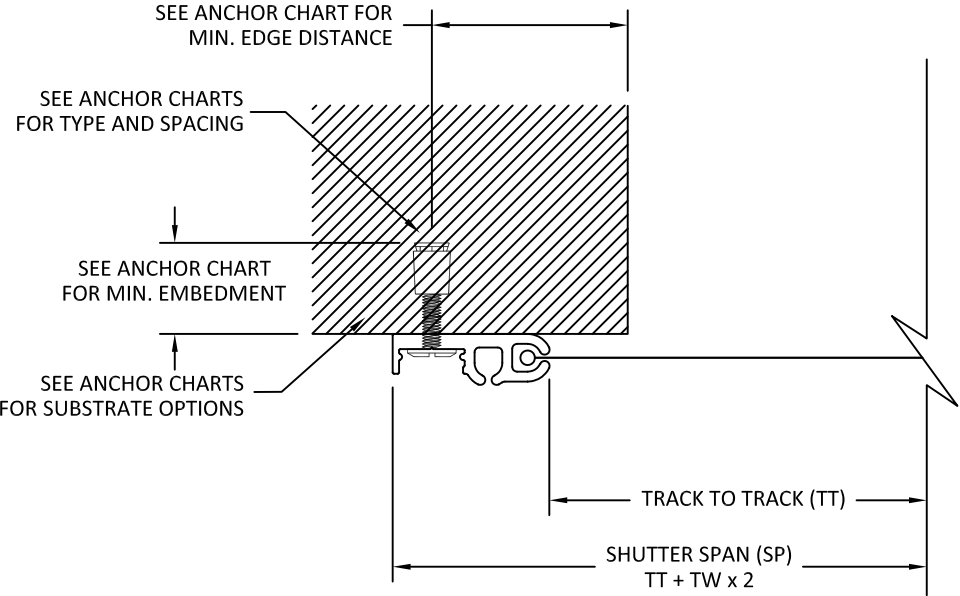
|                                                      |                                                                                                                                                                         |  |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| TITLE: FIXED TRACK FABRIC SHUTTER<br>(HVHZ) (IMPACT) | VERTICAL SECTIONS                                                                                                                                                       |  |
|                                                      | PREPARED BY:<br><b>BUILDING DROPS, INC.</b><br>1900 NE MIAMI CT, SUITE 2-15<br>MIAMI, FL 33132<br>PH: (954)399-8478<br>FAX: (954)744-4738<br>WEB: www.buildingdrops.com |  |

| REMARKS    | BY | DATE    |
|------------|----|---------|
| FBC UPDATE | SM | 9/26/23 |
|            |    |         |
|            |    |         |
|            |    |         |

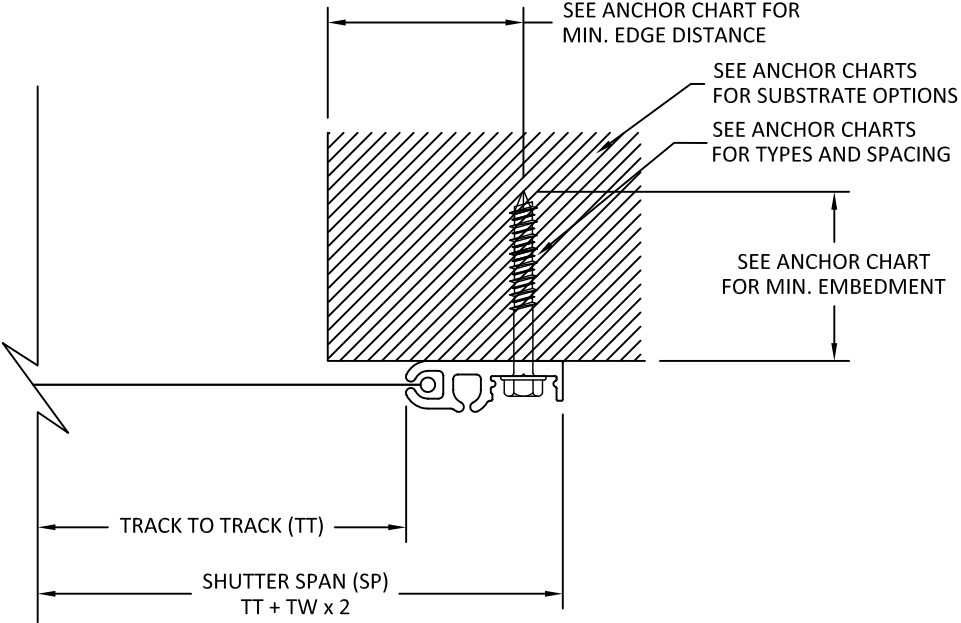
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



|          |                 |
|----------|-----------------|
| FL#:     | <b>FL41224</b>  |
| DATE:    | <b>03.17.22</b> |
| DWG. BY: | <b>SH</b>       |
| CHK. BY: | <b>SM</b>       |
| SCALE:   | <b>NTS</b>      |
| DWG. #:  | <b>PRG007</b>   |
| SHEET:   | <b>4</b>        |

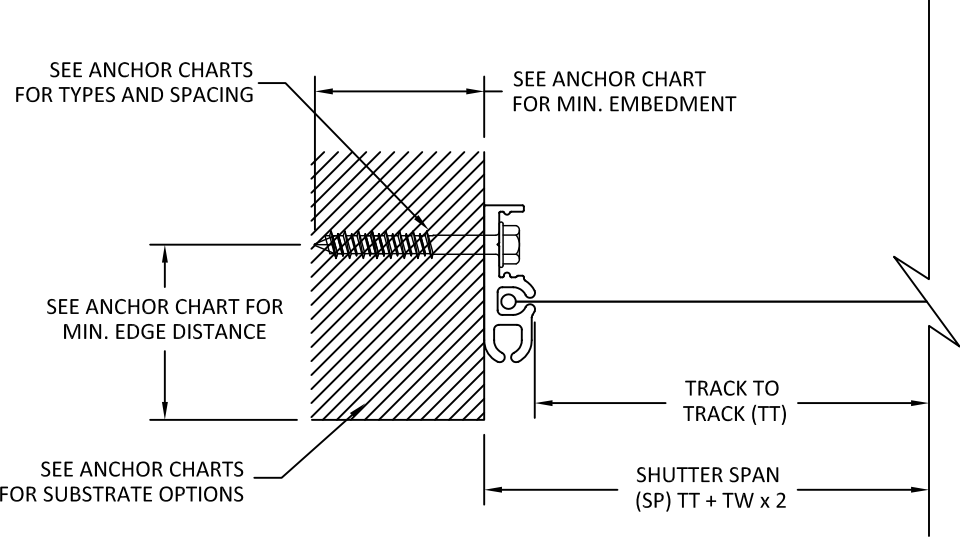


**A**  
**5** **HORIZONTAL SECTION**  
OUTSIDE MOUNT  
JAMB

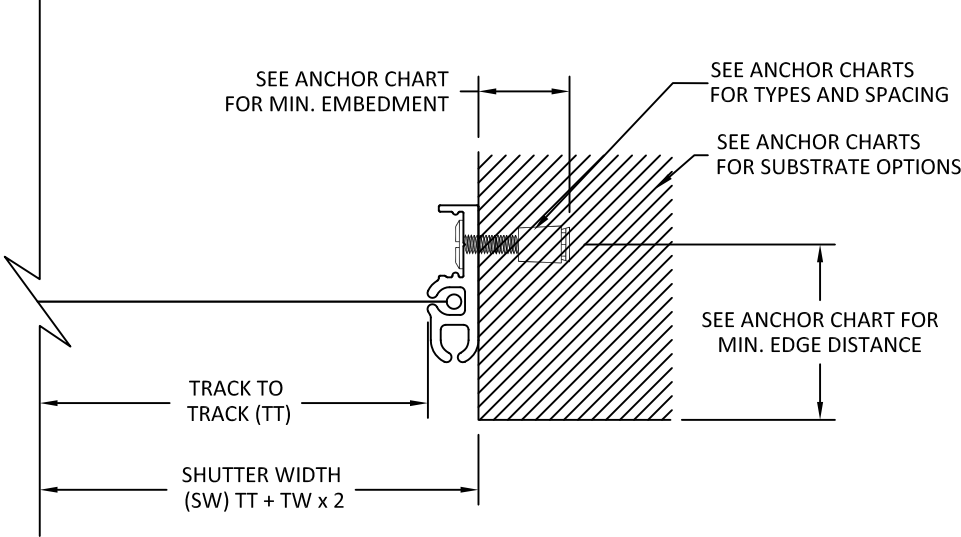


**B**  
**5** **HORIZONTAL SECTION**  
OUTSIDE MOUNT  
JAMB

COMBINATION MOUNTED:  
INSIDE AND OUTSIDE MOUNT CAN BE USED  
TOGETHER



**C**  
**5** **HORIZONTAL SECTION**  
INSIDE MOUNT  
JAMB



**D**  
**5** **HORIZONTAL SECTION**  
INSIDE MOUNT  
JAMB



PROGRESSIVE SCREENS  
7839 FRUITVILLE ROAD  
SARASOTA, FLORIDA 34240  
PH: 866-802-0400

TITLE: FIXED TRACK FABRIC SHUTTER  
(HVHZ) (IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:  
BUILDING DROPS, INC.  
1900 NE MIAMI CT, SUITE 2-15  
MIAMI, FL 33132  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com

| REMARKS    | BY | DATE    |
|------------|----|---------|
| FBC UPDATE | SM | 9/26/23 |
|            |    |         |
|            |    |         |
|            |    |         |

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#: **FL41224**

DATE: **03.17.22**

DWG. BY: **SH**CHK. BY: **SM**

SCALE: **NTS**

DWG. #: **PRG007**

SHEET: