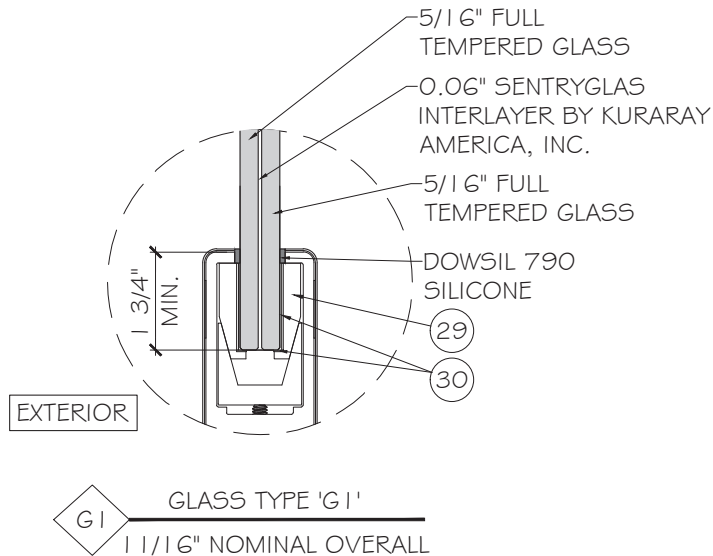


E.S. WINDOWS, INC.
GLASS PIVOT DOOR - NON IMPACT



NOTE:
GLASS COMPLIES WITH ASTM E1300-16
OR 24 (3 SEC. GUSTS).

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023)/9TH EDITION FLORIDA BUILDING CODE (2026) EXCLUDING HIGH VELOCITY HURRICANE ZONE (NON-HVHZ).
- DOORS RATED FOR NON IMPACT. IMPACT SHUTTERS ARE REQUIRED WHEN USED IN HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOOR IS NOT APPROVED FOR AIR AND WATER RESISTANCE.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023)/9TH EDITION FLORIDA BUILDING CODE (2026) SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

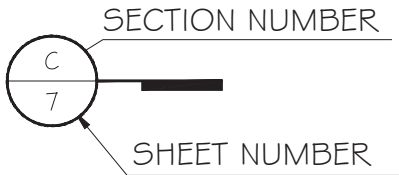
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.
- FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
- CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

USE CHARTS AS FOLLOWS.

- STEP 1:** DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.
- STEP 2:** SEE SHEET E1 & E2 FOR TYPICAL DOOR ELEVATION AND ITS CAPACITY.
- STEP 3:** SEE SHEET D1 FOR ANCHOR DETAILS. SEE SHEET E1 & E2 FOR ANCHOR SPACING. GLASS SEE PAGE 01.
- STEP 4:** THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER



LIMITATIONS OF USE

A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

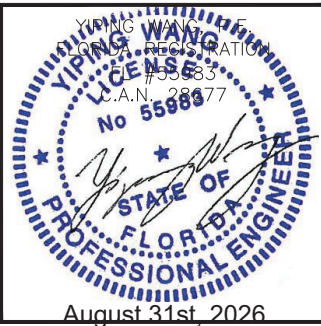
B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

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

D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

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

FLORIDA APPROVAL:
FL48403.1



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MIRAMAR, FL 33027 P: 305 588 5224
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GLASS PIVOT DOOR - NON IMPACT

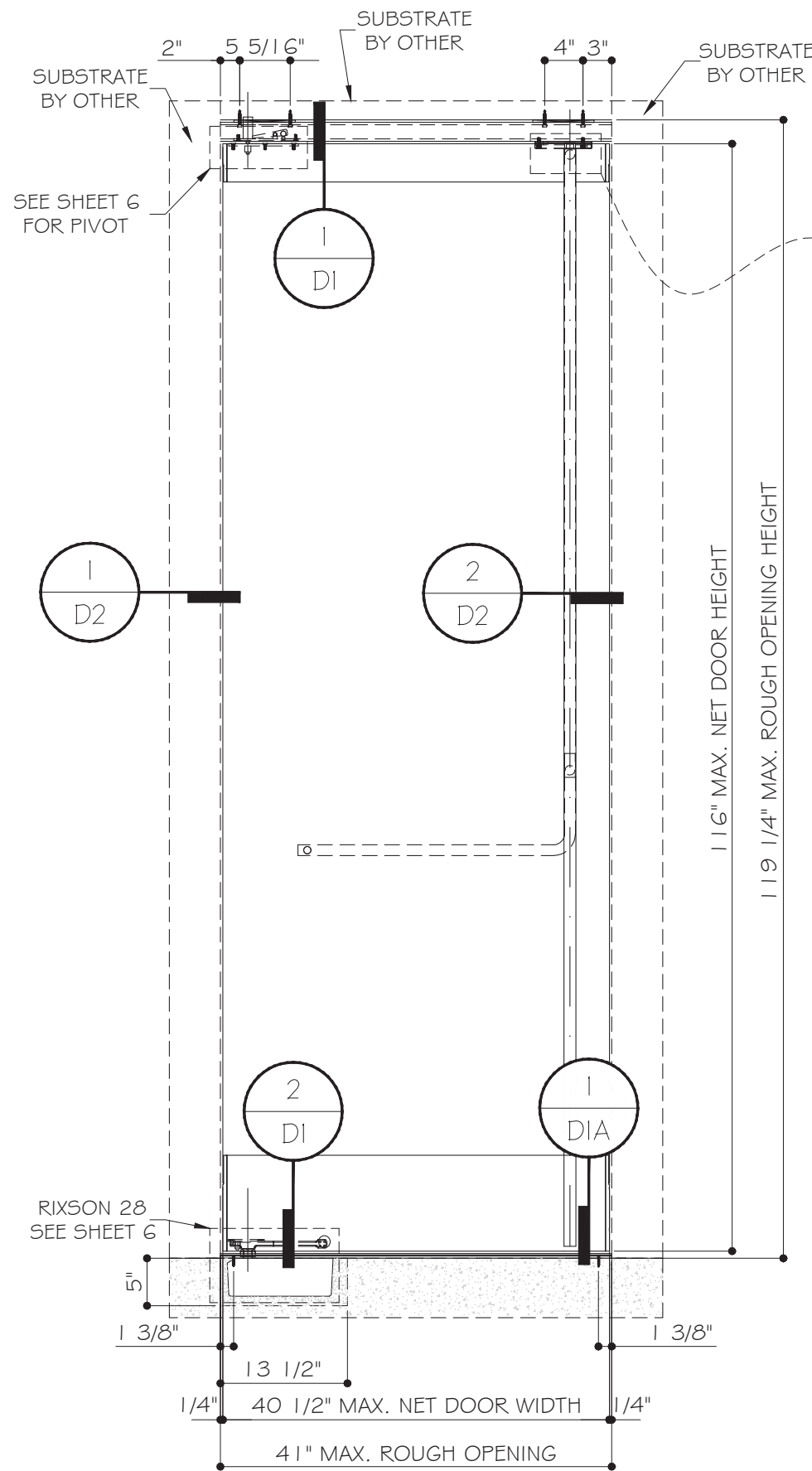
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Drawn Date	08.31.2026	Drawn By	James

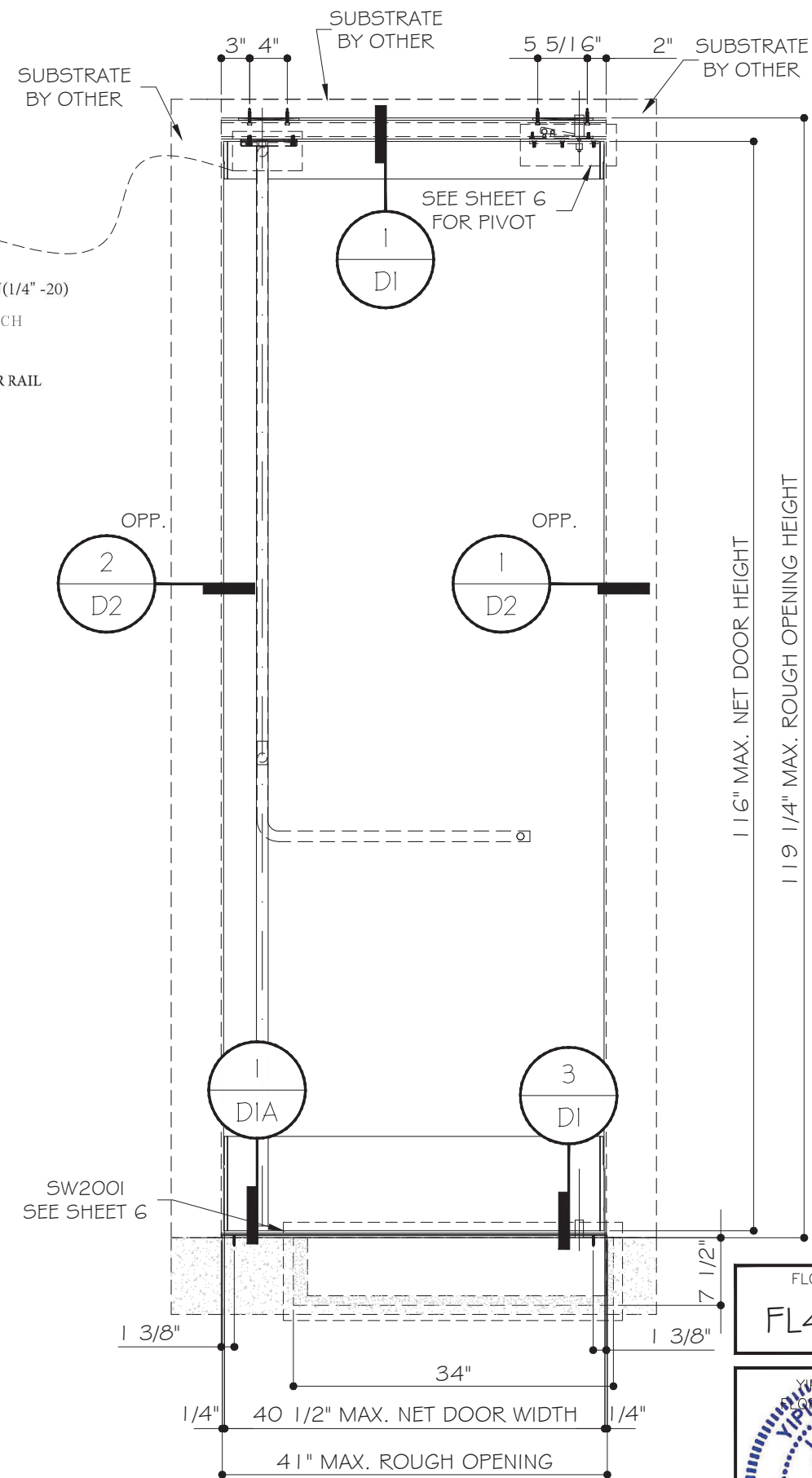
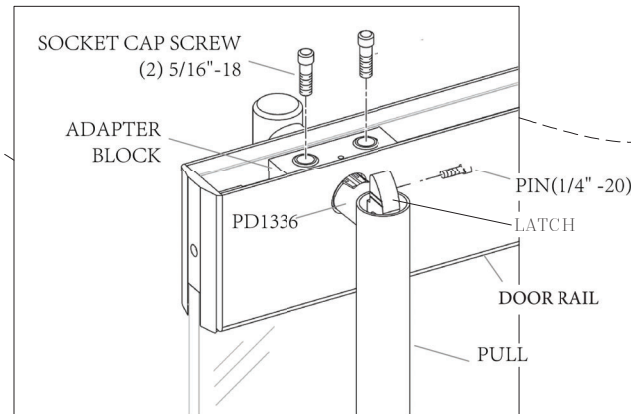
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AD26-41

COVER

Sheet No.
1 OF 10

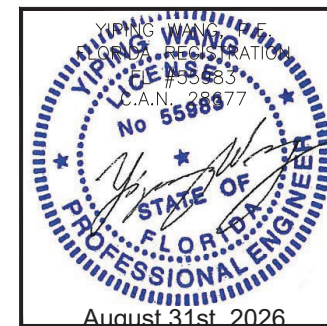


TYPICAL CWO I-100C
DOOR EXTERIOR ELEVATIONS
MAX. DESIGN LOAD: +/- 40 PSF



TYPICAL CWO I-100A
DOOR EXTERIOR ELEVATIONS
MAX. DESIGN LOAD: +/- 40 PSF

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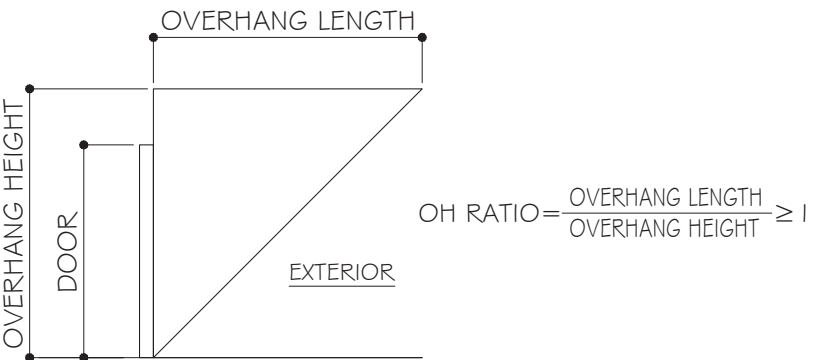
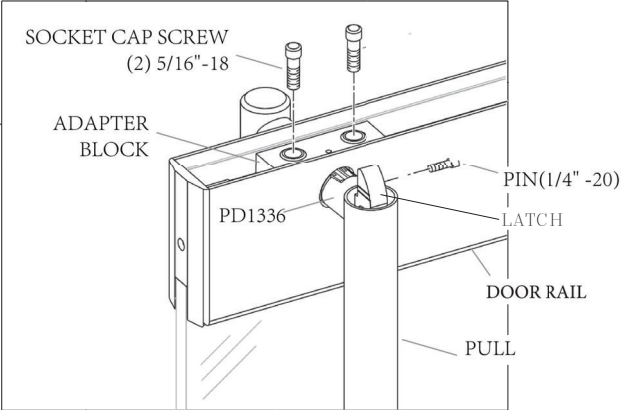
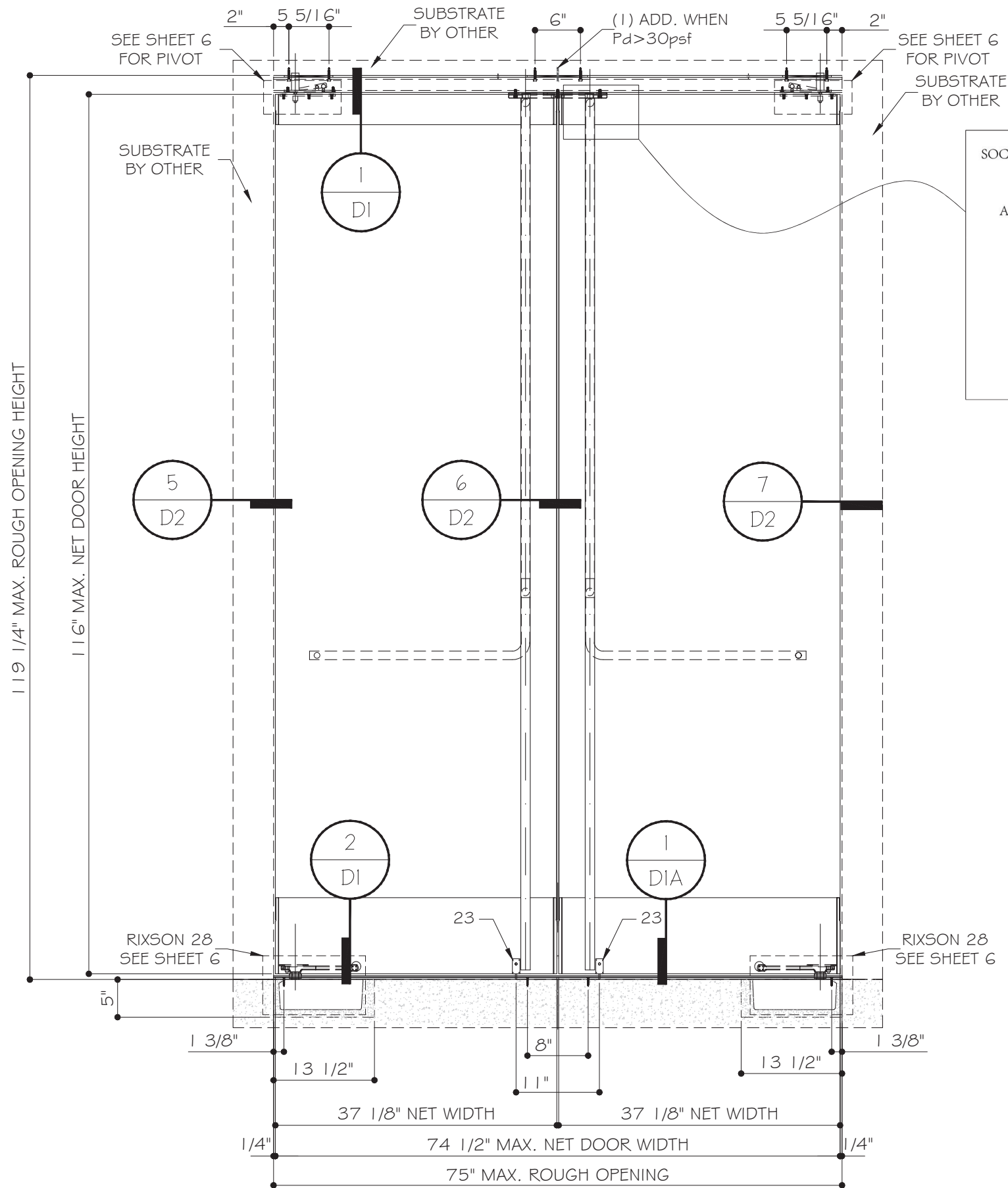
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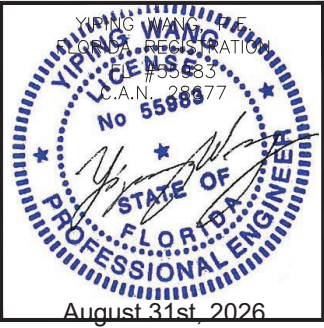
E1

Sheet No.
2 OF 10



NOTE #1:
WHEN THE DOOR IS INSTALLED AT LOCATIONS PROTECTED BY AN OVERHANG, AND THE OH RATIO ABOVE IS EQUAL OR GREATER THAN 1. THERE ARE NO WATER PENETRATION REQUIREMENTS FOR THE DOOR.

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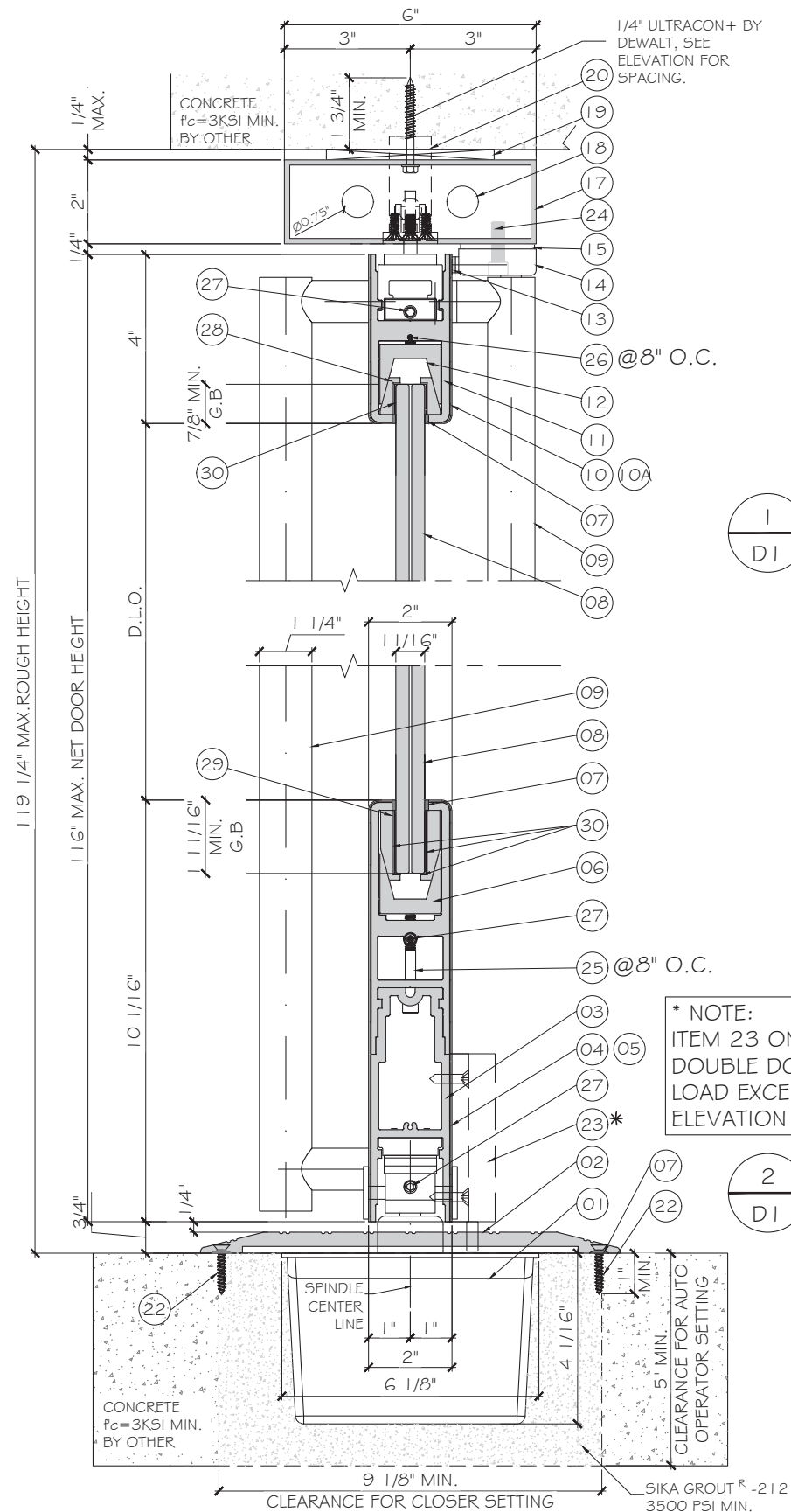
AD26-41

E2

Sheet No.

3 OF 10

EXTERIOR



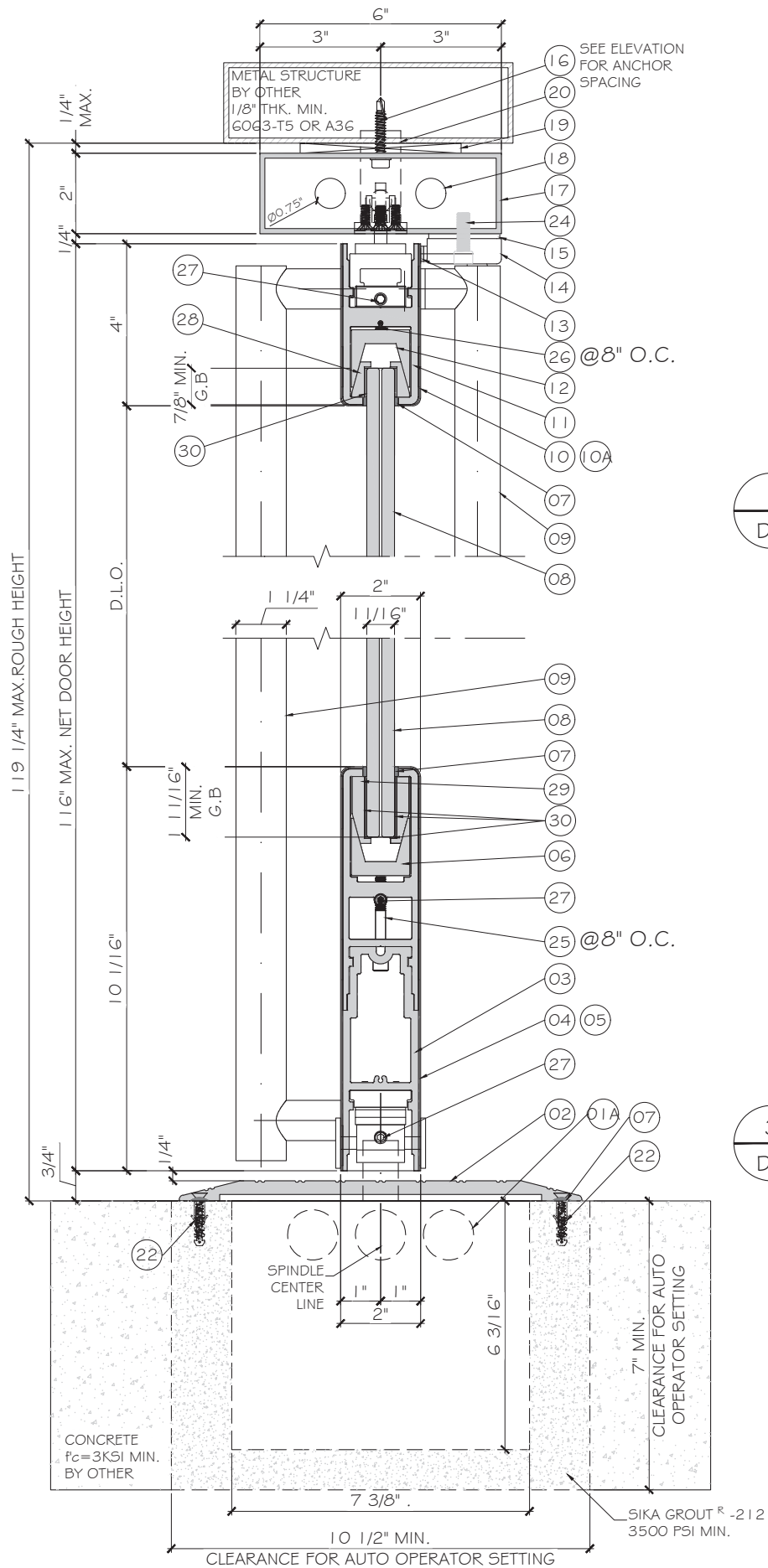
1
D.I.

DETAIL

2
D.I.

DETAIL

EXTERIOR



1
D.I.

DETAIL

3
D.I.

DETAIL

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YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55988
STATE OF FLORIDA

August 31st, 2026

GLASS PIVOT DOOR - NON IMPACT

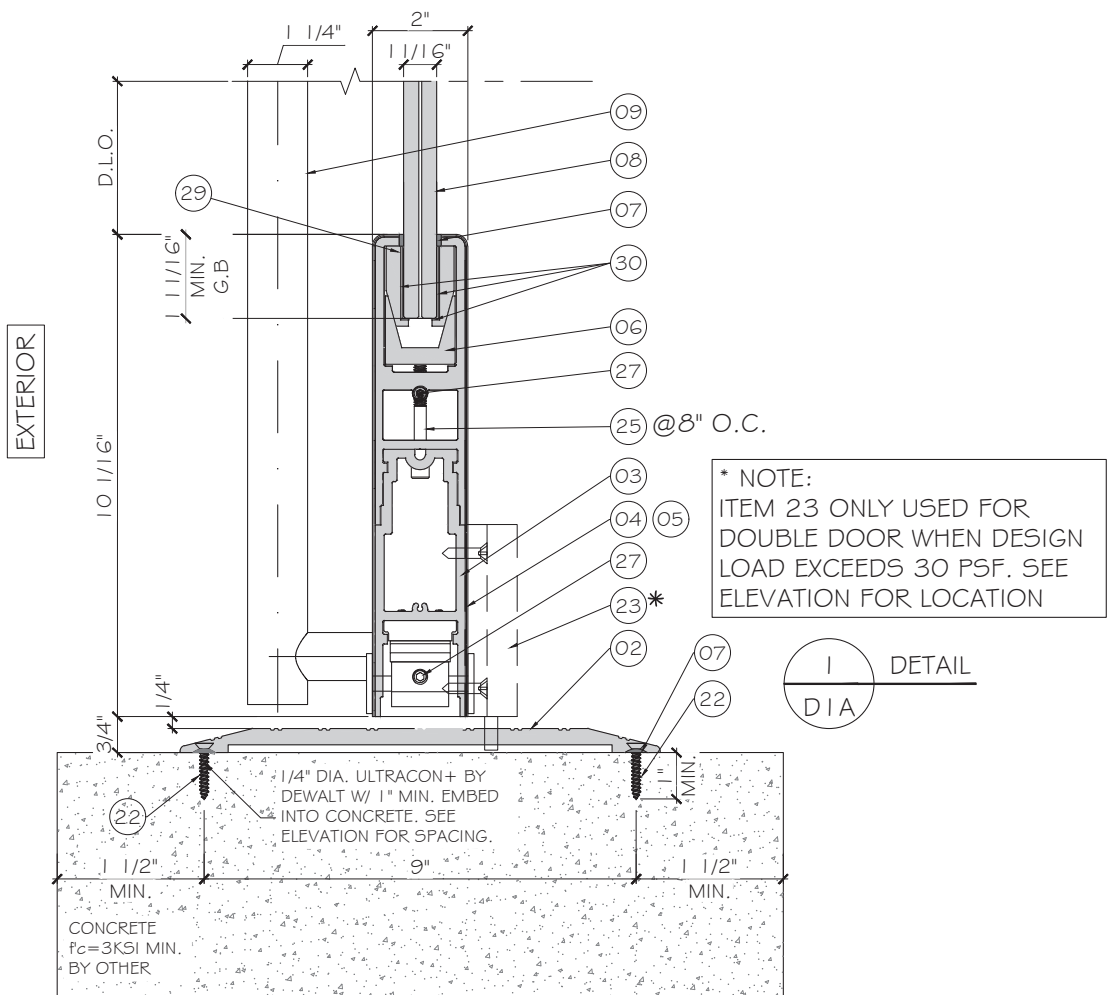
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Drawing No. AD26-41			
Sheet No. 4 OF 10			



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YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55983
F.L.A.N. 28477

August 31st, 2026

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

M

C

Y

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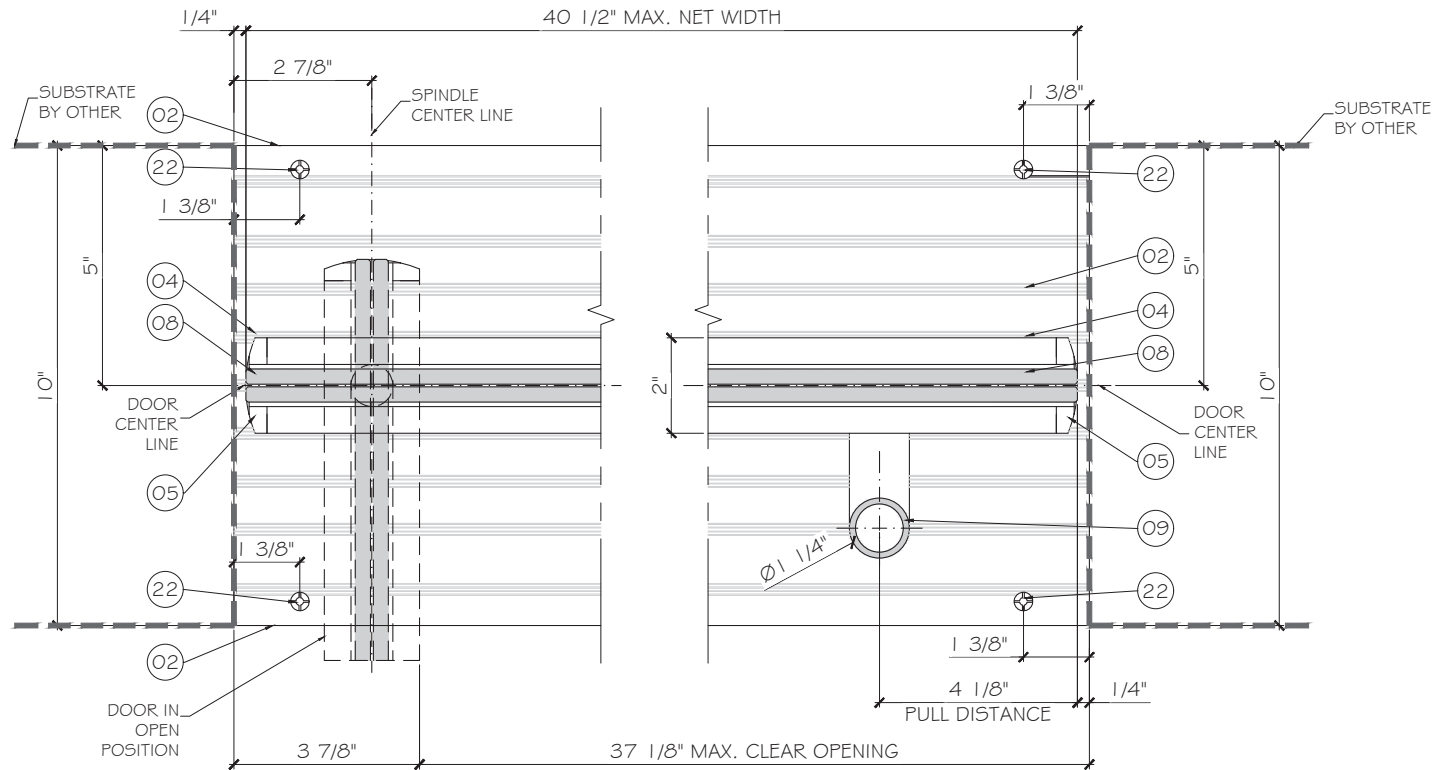
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James

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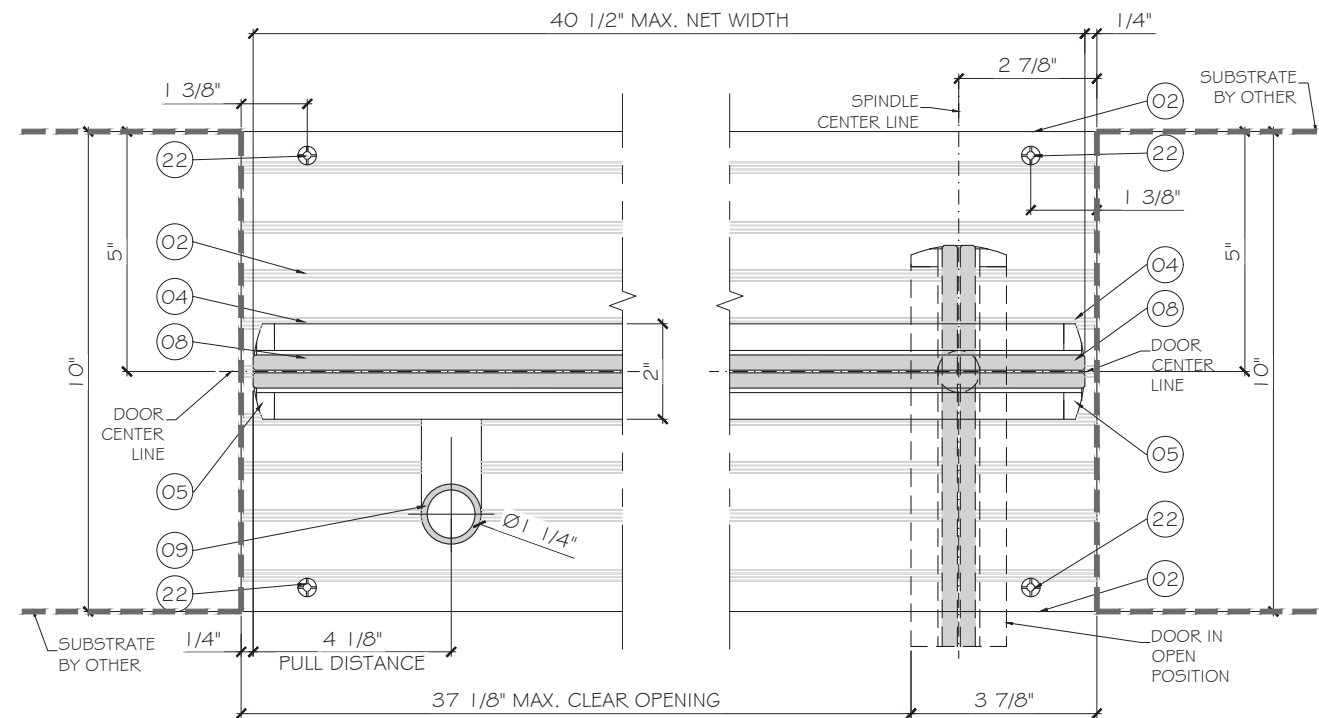
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1
D2
DETAIL

EXTERIOR

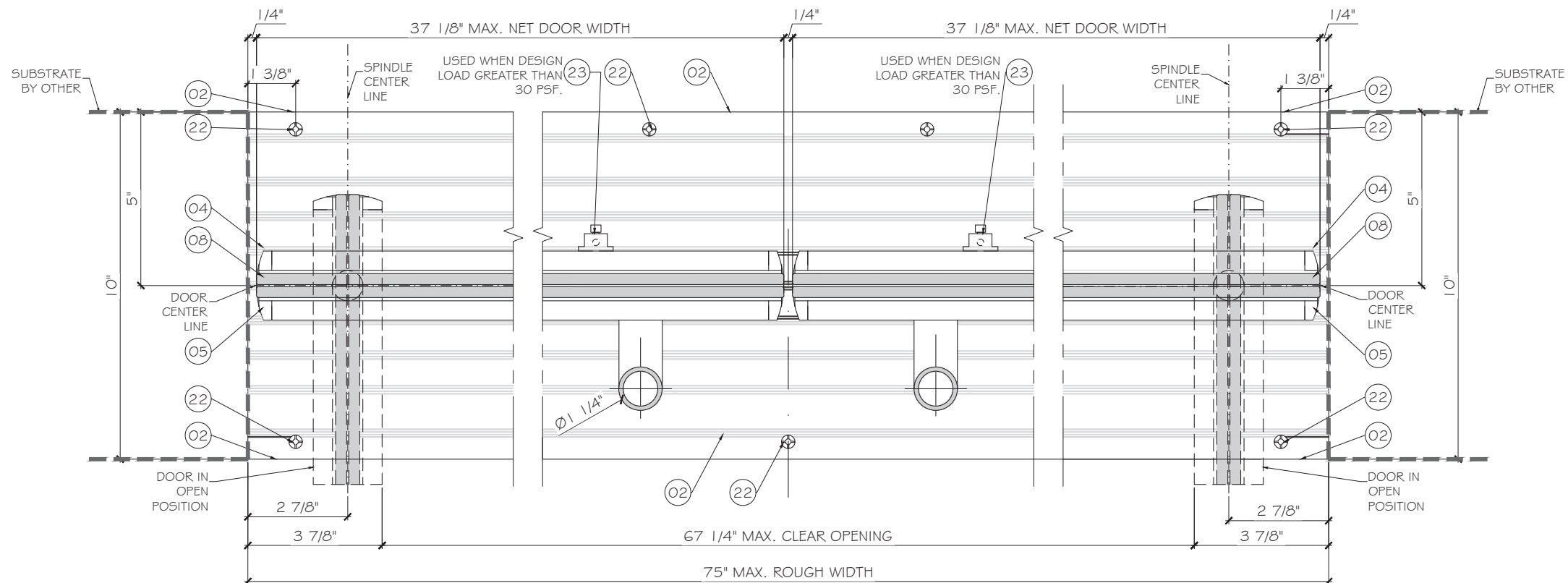
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D2
DETAIL



3
D2
DETAIL

EXTERIOR

4
D2
DETAIL



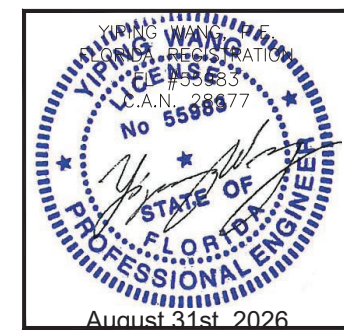
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DETAIL

EXTERIOR

6
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DETAIL

7
D2
DETAIL

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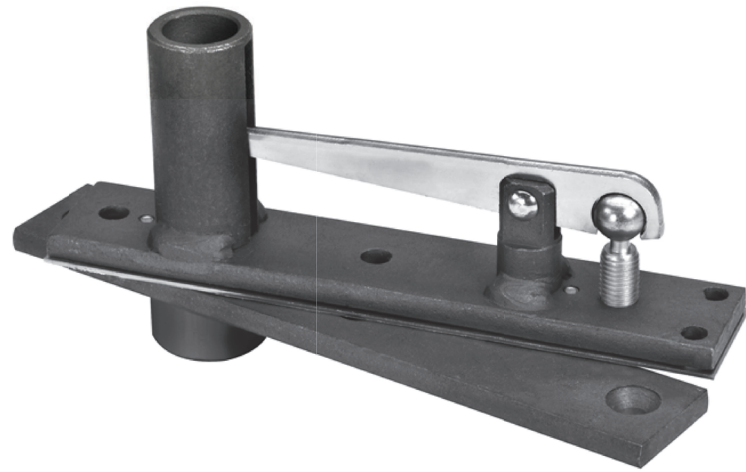
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James

DRAWING NO.
AD26-41

D2

Sheet No.
6 OF 10

RIXSON H345 Heavy Duty, Extended Pin Center Hung Top Pivot



Specifications:

FEATURES:

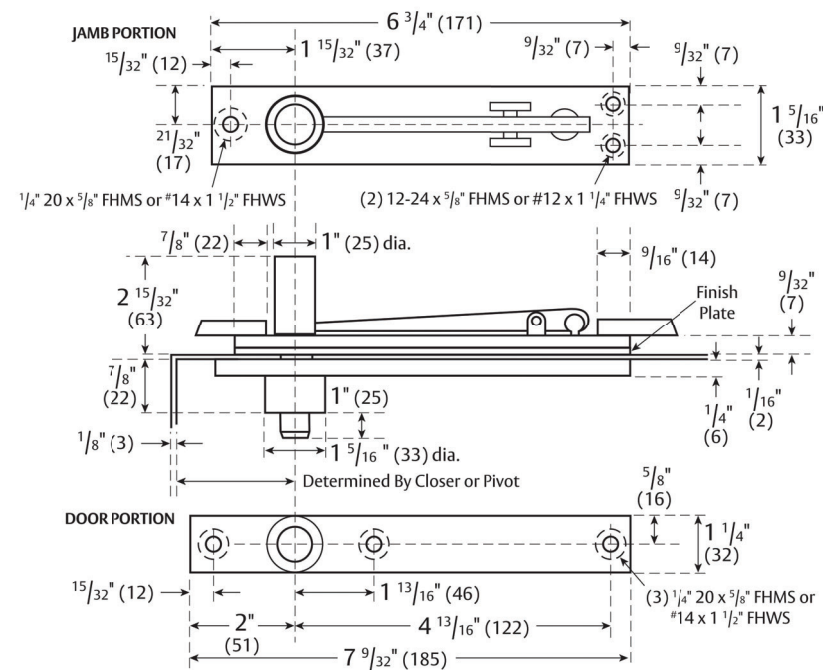
- $\frac{11}{16}$ " Diameter Pin
- 1 $\frac{3}{4}$ " Pin Length
- Ideal for Taller Doors (over 102")
- Recommended for doors over 350 lbs
- Fully Concealed
- Non-Handed
- Part Number: PV-H345

WHERE USED:

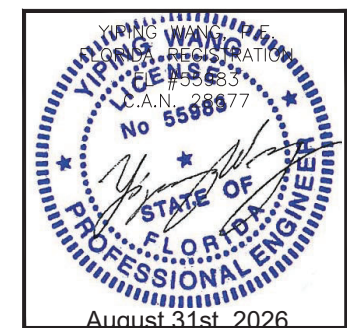
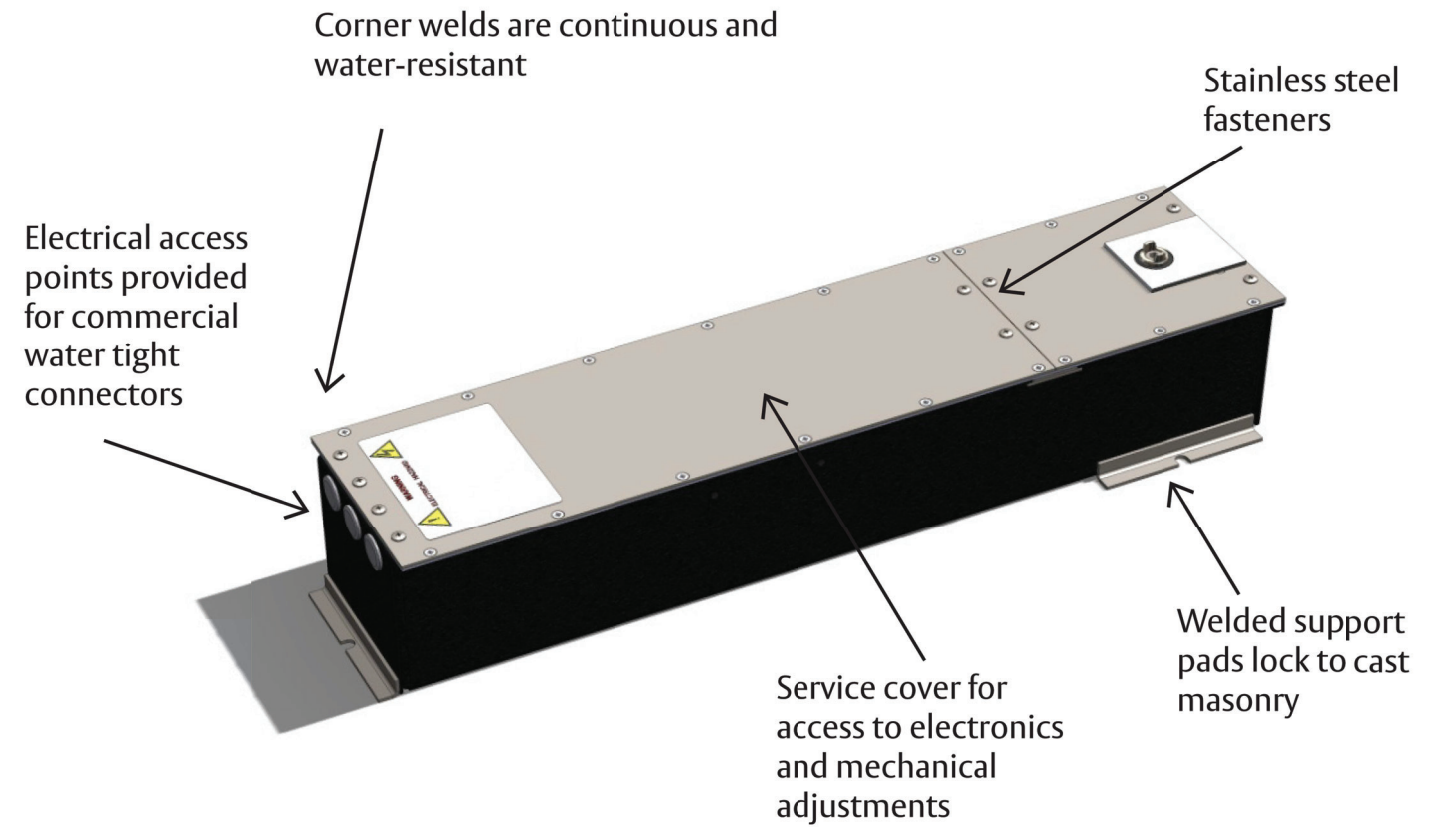
Mortised into Top Header:
Needs 2 1/2" Tall Header or
Relief Cut in Header Top

COMPATIBLE PARTS:

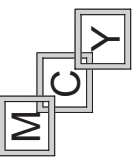
Top Door Rails



ASSA ABLOY SW200i-IG encased in a heavy gauge steel enclosure



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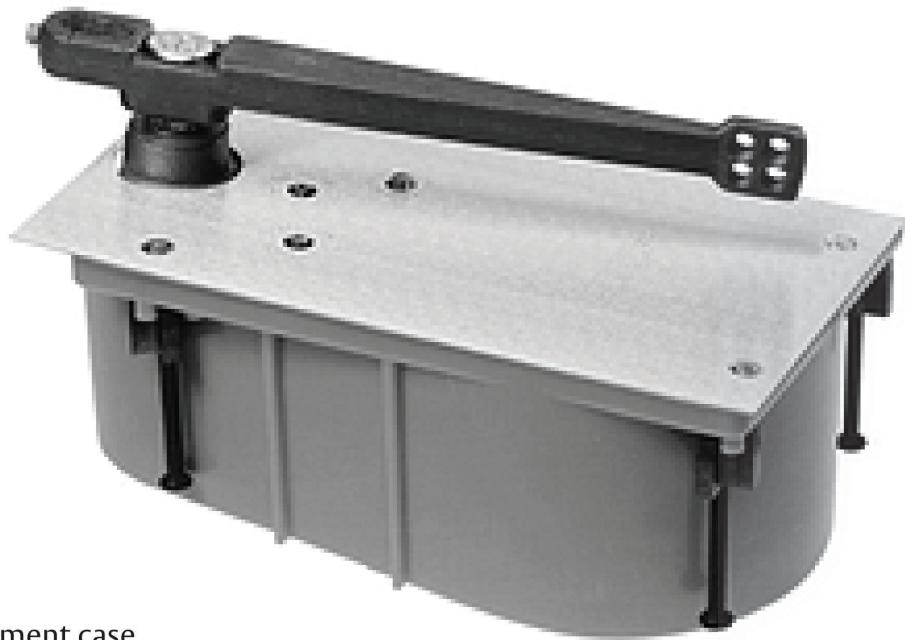
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HARDWARE

Sheet No.
7 OF 10

RIXSON 28 Single-Acting Center Hung Floor Closer



Specifications:

MATERIAL:

Cyclac, rustproof cement case

OPTIONS/SELECTIVE HOLD OPEN:

- 90° Hold open (FC-28-90S)
- 105° Hold open (FC-28-105S)
- Factory set - 5 lbs. (Interior) (FC-PH28-90S, or FC-PH28-105S) (8 1/2 lbs optional for exterior, upon request)
- 554 Arm available

FEATURES:

- Center hung
- Single acting, handed
- Separate and independent closing, latching, and backcheck valves
- Built-in positive dead stop
- Available with floor plate or threshold installation (floor plate shown)
- Extended spindles available in 1/2" increments up to 2" longer than standard

NOTE: Arm sold separately or with door rail subassembly

Features

- Center hung
- Single acting, handed
- Separate and independent closing, latching, and backcheck valves
- Built-in positive dead stop
- Available with floor plate or threshold installation
- Extended spindles available in 1/2" increments up to 2" longer than standard
- Hold open options available

Technical Specifications

Materials:

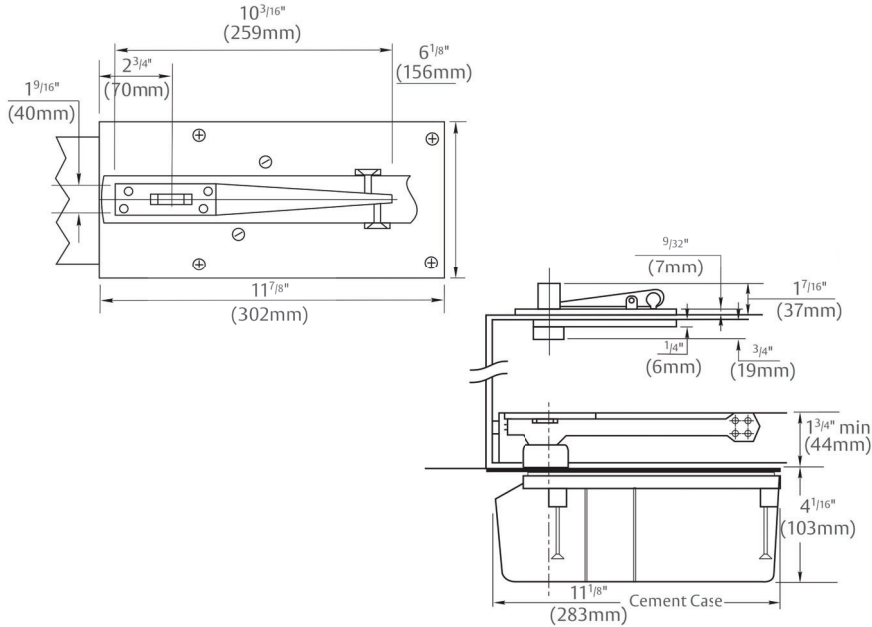
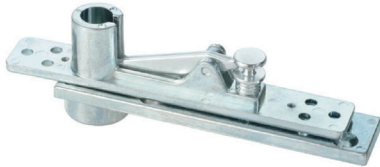
- Cyclac, rustproof cement case
- Stainless steel cover plate

System Includes:

- Closer body with cement case (FC-28)
 - 105° Hold Open (105S)
 - 90° Hold Open (90S)
 - 5 lbs of opening force for ADA (FC-PH28)

Pivot Options:

- Walking Beam Pivot (PV-WALKBEAM)

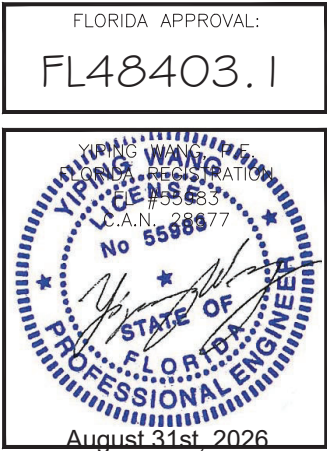
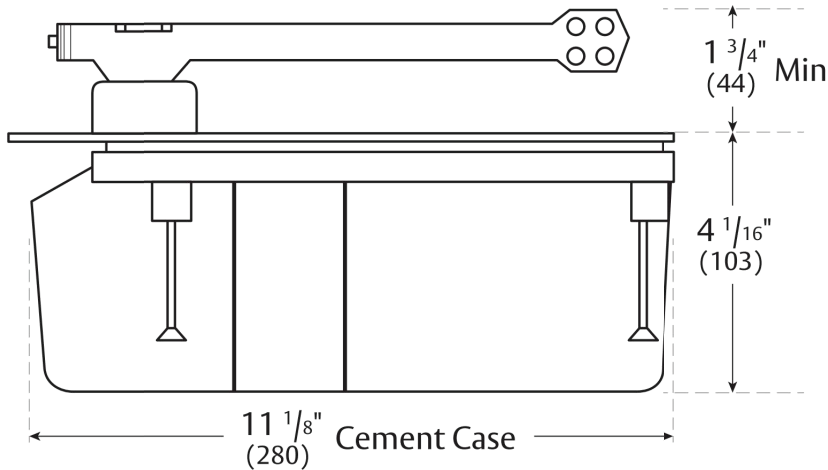


Approvals and Listings:

- Meets ANSI/BHMA A156.4 Grade 1 requirements
- ADA compliant (PH option only)

Door Specifications:

- Maximum door weight: 350 lbs.
- Maximum door size: 4'0" x 8'6"



GLASS PIVOT DOOR - NON IMPACT

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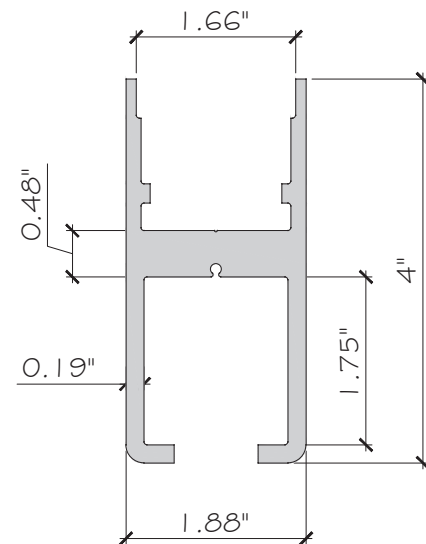
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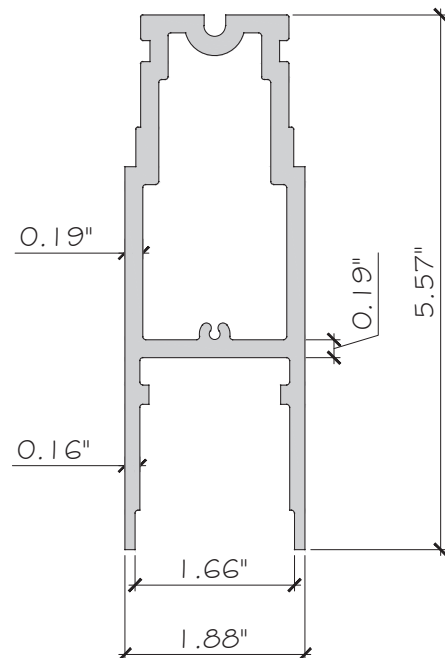
HARDWARE

Sheet No.
8 OF 10

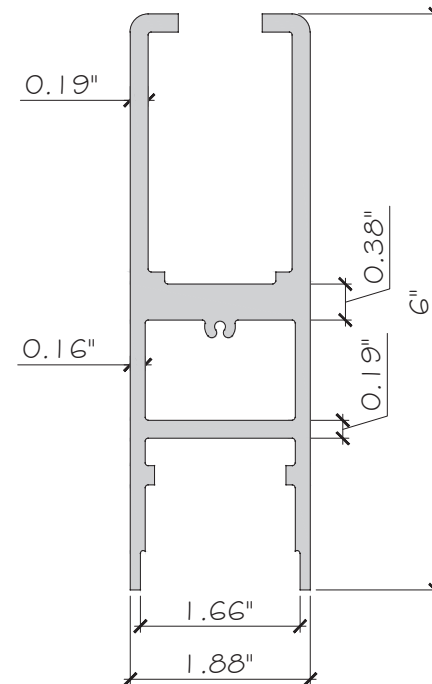
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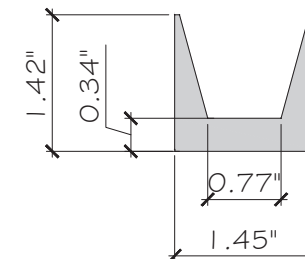
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ALUMINUM 6063-T5.



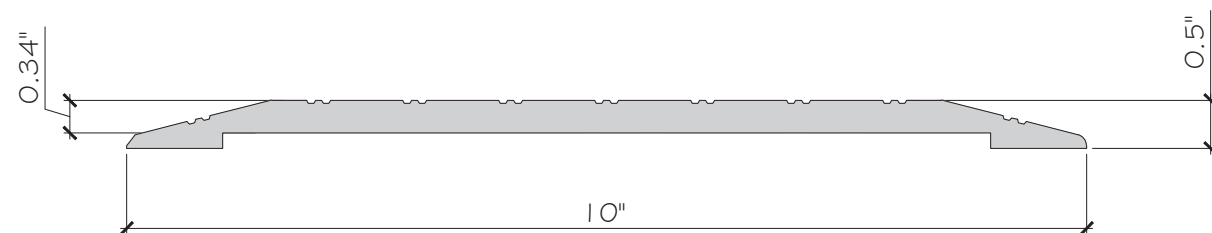
③ BOTTOM RAIL
ALUMINUM 6063-T5.



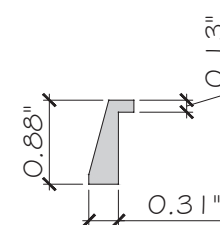
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ALUMINUM 6063-T5.



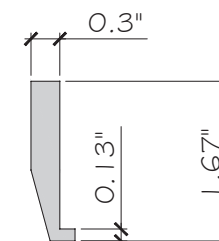
⑥⑫ CLAMPING DEVICE FOR BOTTOM RAIL
ALUMINUM 6063-T5.



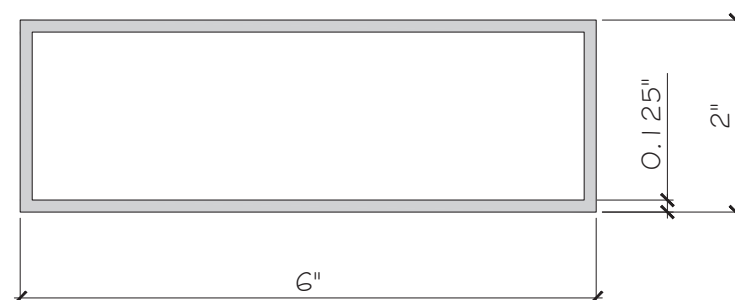
② THRESHOLD
ALUMINUM 6063-T5.



②⑧ PRESSURE PLATE AT TOP RAIL
ALUMINUM 6063-T5.

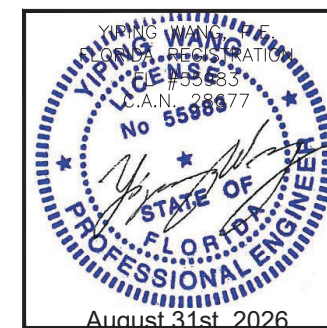


②⑨ PRESSURE PLATE AT BOTTOM RAIL
ALUMINUM 6063-T5.



①⑦ HEADER
ALUMINUM 6005-T5.

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PART

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