

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. DESIGNED AND TESTED IN ACCORDANCE FLORIDA BLDG CODE AND INTERNATIONAL BLDG CODE. PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WIND LOAD CONSTRUCTION DETAILS.

2. WALL ANGLES MAY BE WELDED TO STEEL JAMBS. PLUG WELDS IN THE WALL ANGLE SLOTS THE THICKNESS OF THE ANGLE, OR FILLET WELDS AT THE HEEL AND TOE OF THE WALL ANGLE, 2" LONG AT EACH SPECIFIED BOLT LOCATION, REQUIRED TO HOLD THE LOADS EXERTED ON THE GUIDE.

3. RATED DESIGN PRESSURE: ±36 PSF.

4. (-W/L) = NEGATIVE WIND LOAD
(+W/L) = POSITIVE WIND LOAD

5. INDICATES SLAT FREQUENCY IN WHICH WIND LOCKS OCCUR.

6. GUIDE MATERIAL: ASTM A36
CURTAIN MATERIAL: ASTM A-653 CS TYPE B

7. THIS DOOR IS CAPABLE OF INTERIOR OR EXTERIOR MOUNTING.

8. MASONRY ANCHORS MUST BE INSTALLED INTO UN-CRACKED, MIN. 3000 PSI, NORMAL WEIGHT CONCRETE.

9. DOOR OPENINGS 15' WIDE AND UNDER USE 24Ga. OR THICKER FRONT SLATS. DOOR OPENINGS ABOVE 15' WIDE USE 22Ga. OR THICKER FRONT SLATS.

WH

E

WT

MH

S

WV

OV

G

OH

OT

V

MT

X

X2

Z

E-GUIDE

Z-GUIDE

SECTION "B-B"

E GUIDE

Z GUIDE

ER

REV

DESCRIPTION

DATE

APVL

502784

-

DECREASED Z-DIMENSION FOR CONSOLIDATED UHMW

12/11/14

TS

502916

A

CORRECT 'G' DIM ON 9' TO COMPENSATE FOR UHMW

5/8/15

TS

PCR 32484

B

REV TABLE VALUES PER PCR

10/2/2020

RO

PCR 33148

C

FBC 2023 UPDATE

10/10/2023

TD

REACTION

STRUCTURAL STEEL

MOMENT

WINDLOCK

WINDLOCK/WINDBAR RELATIONSHIP DETAIL

CURTAIN

SLIP

PARALLEL FORCE

(-W/L)

NORMAL FORCE

(+W/L)

NORMAL FORCE

REACTION

MOMENT

3000 PSI CONC.

HILTI KBTZ2 MASONRY ANCHOR OR EQUIVALENT

PARALLEL FORCE

(-W/L)

NORMAL FORCE

(+W/L)

NORMAL FORCE

"A"

HOOD

TENSION WHEEL

HEADPLATE

CURTAIN

BOTTOM BAR

WEATHERSTRIP

MAX DOOR OPENING WIDTH

GUIDE

30' 0" MAX. DOOR HEIGHT*

"B"

"B"

SECTION "A-A"

* SUBJECT TO DOOR WIDTH LIMITATIONS

WH

WV

WT

MH

S

WV

OV

G

OH

OT

V

MT

X

X2

Z

E-GUIDE

Z-GUIDE

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JOHN E. SCATES

LICENSE

No. 51737

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

Digitally signed by John E Scates

Date: 2023.10.11 15:53:11 -05'00'

3.16

1.58

.933

.902

.454

.933

FIT-265 WINDLOCK DETAIL

BACKCOVER 24GA

2-5/8

1-1/2

SLAT DETAIL

FRONT SLAT GAUGE OPTIONS: 24, 22, 20, 18

THE DRAWINGS AND ALL OTHER INFORMATION CONTAINED HEREIN ARE THE CONFIDENTIAL PROPRIETARY PROPERTY OF OVERHEAD DOOR CORPORATION, INCLUDING ITS AFFILIATED SUBSIDIARIES AND AFFILIATES. THIS DRAWING INFORMATION, IN WHOLE OR IN PART, MAY NOT BE COPIED IN ANY MANNER OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN CONSENT OF OVERHEAD DOOR CORPORATION. DISCLOSURE OF ANY DRAWING OR INFORMATION IS INTENDED NOT TO AND SHALL NOT OPERATE AS A LICENSE OR AUTHORIZATION TO USE IT FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN CONSENT OF OVERHEAD DOOR CORPORATION.

UNLESS OTHERWISE SPECIFIED

INTERPRET DIMS & TOLS PER ASME Y14.5M

ALL DIMS ARE IN INCHES

DO NOT SCALE

DIMS CIRCLED WITH SYMBOL (C) ARE CRITICAL TO QUALITY DESIGN

FEATURES & MUST MEET APPLICABLE IN-PROCESS INSPECTION STANDARDS.

TOLERANCES:

.X = ± .1

.XX = ± .03

.XXX = ± .010

ANGULAR = ± .5°

HOLES:

< Ø.251 = +.004/- .003

Ø.251-Ø.500 = +.008/- .003

> Ø.500 = +.008/- .003

ALL GEOMETRY GOVERNED BY 3D CAD DATABASE:

APPROVALS

DATE

5/22/2014

DRAWN

M. PORTO

CHECKED

G. FINERAN

APPROVED

M. SAWICKI

MATERIAL

N/A

FINISH

N/A

DESCRIPTION

MODEL 627, ROLLING SERVICE DOOR, FBC, +/-36PSF

SIZE

DWG NO.

D

308748

SCALE 1:1

UOM: IN.

SHEET 1 OF 1

JOHN E. SCATES

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