

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry
P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197

Florida Board of Professional Engineers Registry License No. 9813

Product Evaluation Report

Report No.:

FL-41130.1

Date:

July 1, 2023

Product Category Sub Category Swinging Exterior Door Assemblies		Manufacturer	Product Name
		DKS Steel Door & Frame Systems, Inc. 2142 Tubeway Ave. Commerce, CA 90040 (323) 888-7763	DKS Series 1800 Steel Commercial Door Outswing "Impact"

Scope:

This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. for DKS Steel Door & Frame Systems, Inc. based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Department of Business & Professional Regulation.

RW Building Consultants and Lyndon F. Schmidt, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

Limitations:

- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 3. When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 4. Site conditions that deviate from the details of drawing FL-41130.1 require further engineering analysis by a licensed engineer or registered architect.
- 5. See drawing FL-41130.1 for size and design pressure limitations.

Supporting Documents:

1.	Test Report No. ATI 95951.01-201-18 TEL 01821113 ITS 3053378	<u>Test Standard</u> ASTM E 330-02 & E 1886-05/1996-06 ASTM E 330-02 & E 1886-05/1996-06 UL 10C - 09	Testing Laboratory Architectural Testing, Inc. Testing Evaluation Lab.,Inc. Intertek Testing Services	Signed by Joseph A. Reed, P.E. V.K. Wright Mike van Geyn
2.	Drawing No. No. FL-41130.1	Prepared by RW Building Consultants, Inc. (#9813)		Signed & Sealed by Lyndon F. Schmidt, P.E.
3.	<u>Calculations</u> Anchoring	Prepared by RW Building Consultants, Inc. (#9813)		Signed & Sealed by Lyndon F. Schmidt, P.E.

4. Quality Assurance

Certificate of Participation issued by National Accreditation and Management Institute, certifying that DKS Steel Door & Frame Systems, Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.

Digitally signed by Lyndon F Schmidt Date: 2023.07.19 09:16:25 -04'00'

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409 This item has been digitally signed and sealed by L. F. Schmidt on 7-19-23. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

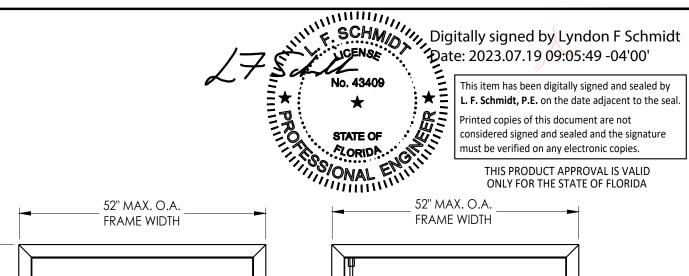


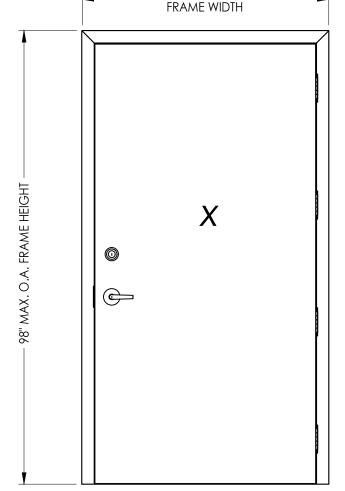
DKS SERIES 1800 STEEL COMMERCIAL DOOR OUTSWING "IMPACT"

GENERAL NOTES

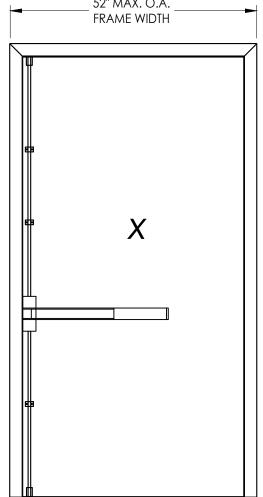
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SHEET#	EET# DESCRIPTION		
1	Typical elevation, design pressures & general notes		
2	Door panel details		
3	Horizontal and vertical cross sections		
4	Frame anchoring		
5	Bill of materials and components		





161 Latch & Deadbolt
"Pioneer SL/CSL Series" Latch
"T300 Series" Deadbolt



Panic Bar Exit Device w/ Vertical Rods
"7700-V Series"

OVERALL FRAME	LOCK TYPE	DESIGN PRESSURE (PSF)	
DIMENSION	LOCK TYPE	POSITIVE	NEGATIVE
52.0" x 98.0"	161 LATCH & DEADBOLT "PIONEER SL/CSL & T300 Series"	+80.0	-80.0
40.0" x 98.0"	PANIC BAR EXIT DEVICE w/ VERTICAL RODS "7700-V Series"	+70.0	-70.0
52.0" x 98.0"	PANIC BAR EXIT DEVICE w/ VERTICAL RODS "7700-V Series"	+50.0	-50.0

OZZ R.W. BULDING CONSULTANTS INC.

DATE: 3/21/22

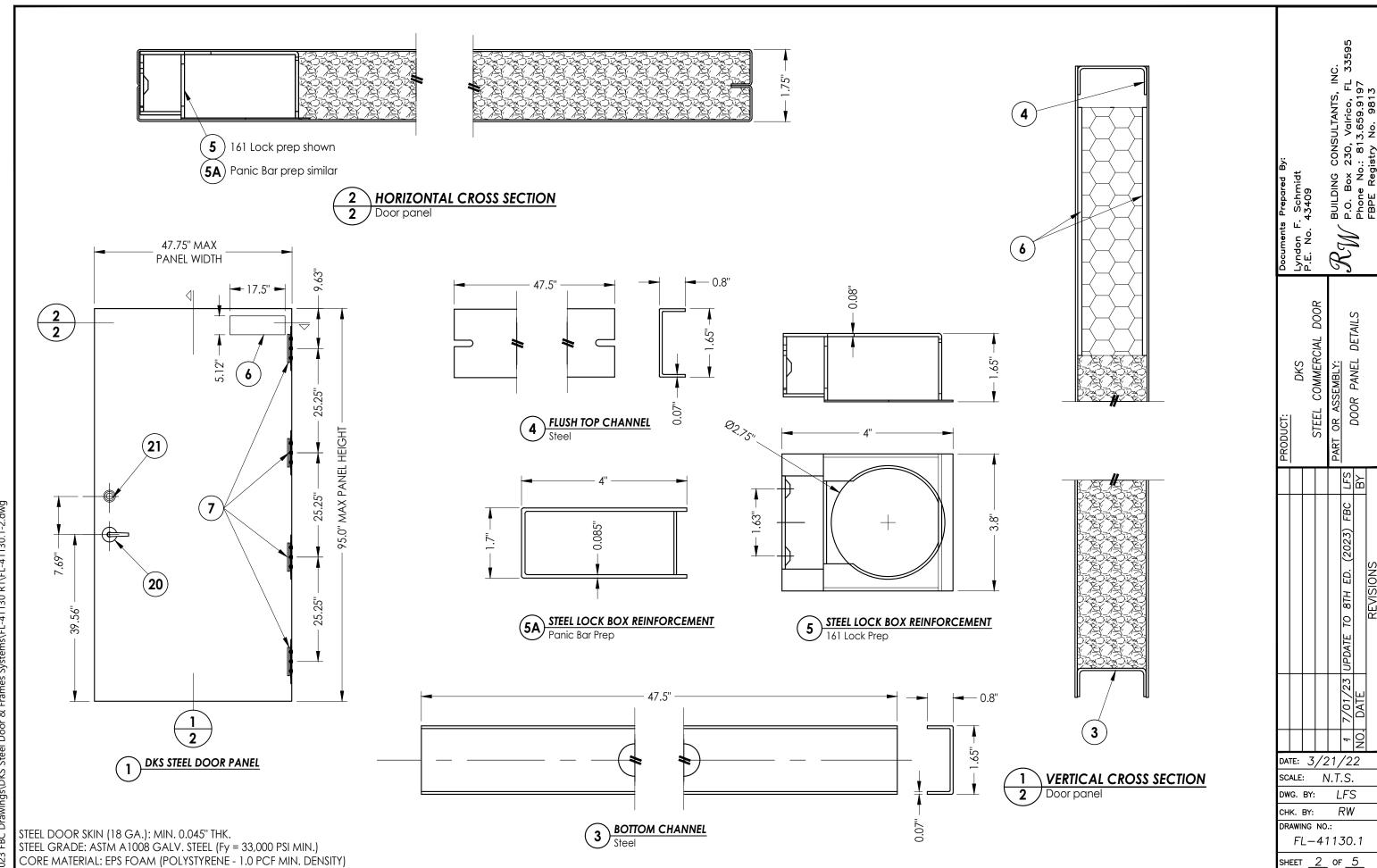
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LFS

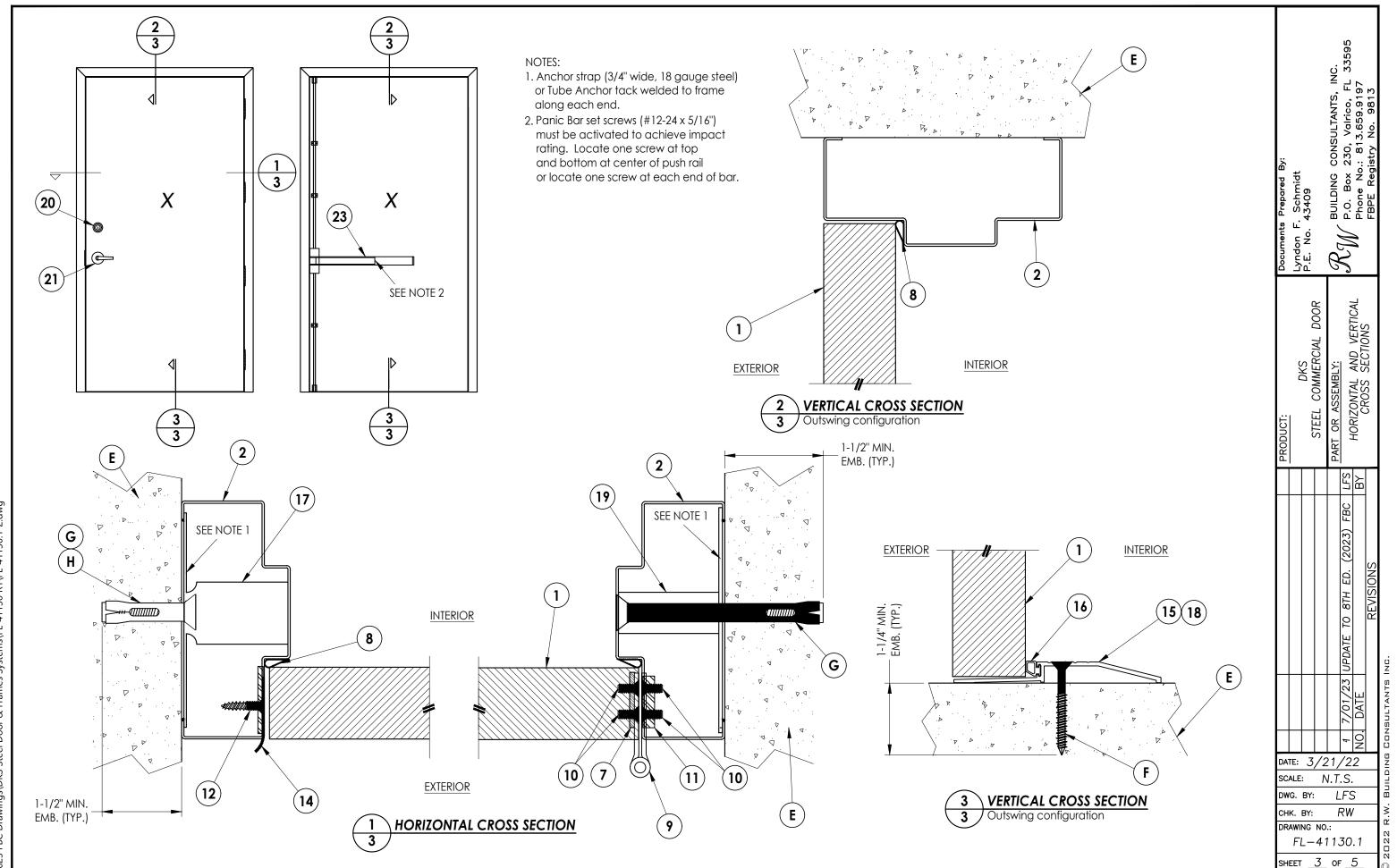
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DWG. BY:

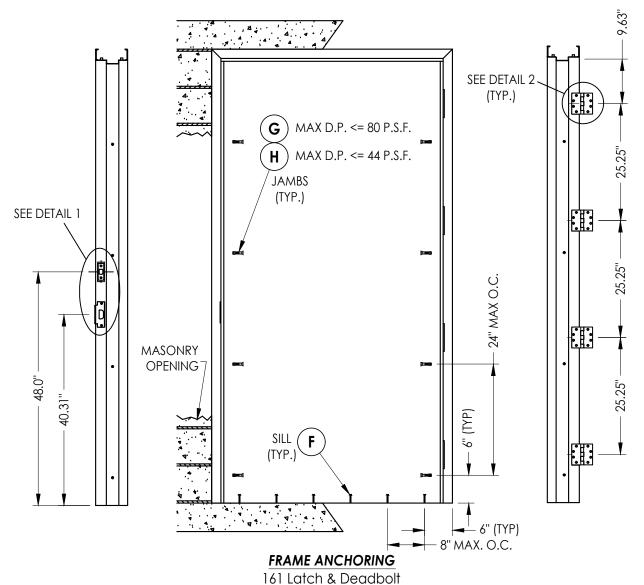
CHK. BY: RW DRAWING NO.: FL-41130.1

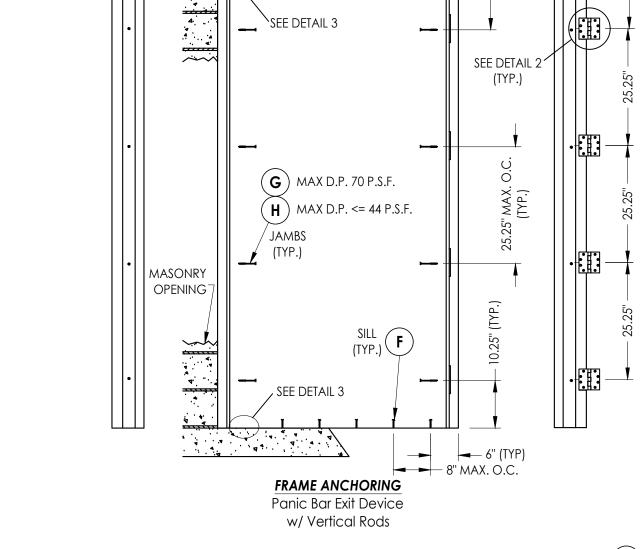


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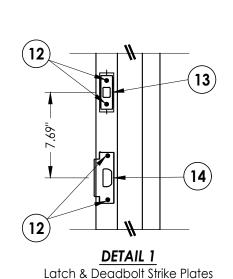


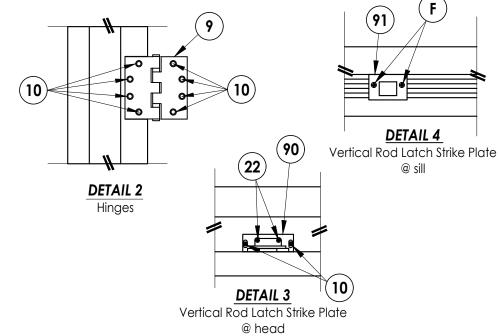
CONCRETE ANCHOR NOTES:

- 1. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements.
- 2. Concrete screw locations at the corners may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- 3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON	1/4"	1-1/4"	4"	2"
TAPPER	3/8"	1-1/2"	4-1/4"	3-3/4"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"

4. Embedment may be through 1-1/4" face shell of hollow block.





12" MAX.

DATE: 3/21/22N.T.S. LFS RWDRAWING NO.: FL-41130.1 SHEET <u>4</u> OF <u>5</u>

SCALE:

DWG. BY:

CHK. BY:

 $\mathcal{R}_{\mathcal{M}}$

OR ASSEMBLY: FRAME ANCHORING

Lyndon F P.E. No.

DOOR

DKS COMMERCIAL

STEEL

SHEET 5 OF 5

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