

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-41130.7

Date:

July 1, 2023

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	DKS Steel Door & Frame Systems, Inc. 2142 Tubeway Ave. Commerce, CA 90040 (323) 888-7763	DKS Series 1800 Steel Commercial Double 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-41130.7 require further engineering analysis by a licensed engineer or registered architect.
- 5. See drawing FL-41130.7 for size and design pressure limitations.

Supporting Documents:

1. Test Report No.	Test Standard	Testing Laboratory	Signed by
TEL 01821113	ASTM E 330-02 & E 1886-05/1996-06	Testing Evaluation Lab.,Inc.	V.K. Wright
ITS 3053378	UL 10C - 09	Intertek Testing Services	Mike Van Geyn
2. <u>Drawing No.</u> No. FL-41130.7	Prepared by RW Building Consultants, Inc. (#9813)		Signed & Sealed by Lyndon F. Schmidt, P.E.

3. Calculations Signed & Sealed by Prepared by Lyndon F. Schmidt, P.E. Anchoring RW Building Consultants, Inc. (#9813)

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 09:17:28 -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

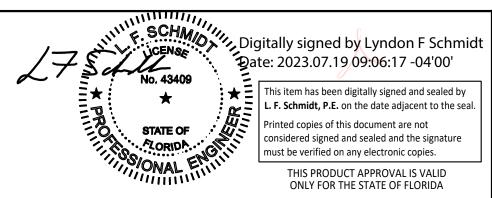


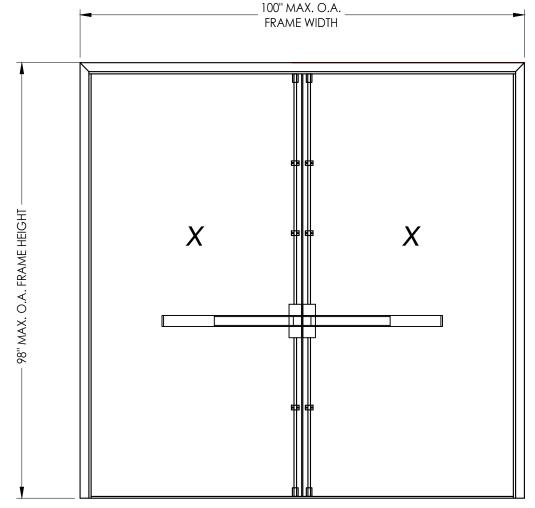
DKS SERIES 1800 STEEL COMMERCIAL DOUBLE DOOR OUTSWING "IMPACT"

GENERAL NOTES

- 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 excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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7	Bill of materials and components					





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

MAX FRAME	LOCK TYPE	DESIGN PRESSURE (PSF) OUTSWING			
DIMENSION	200001112	POSITIVE	NEGATIVE		
100.0" x 98.0"	PANIC BAR EXIT DEVICE w/ VERTICAL RODS "7700-V Series"	+50.0	-50.0		

2022 R.W. BUILDING CONSULTANTS INC.

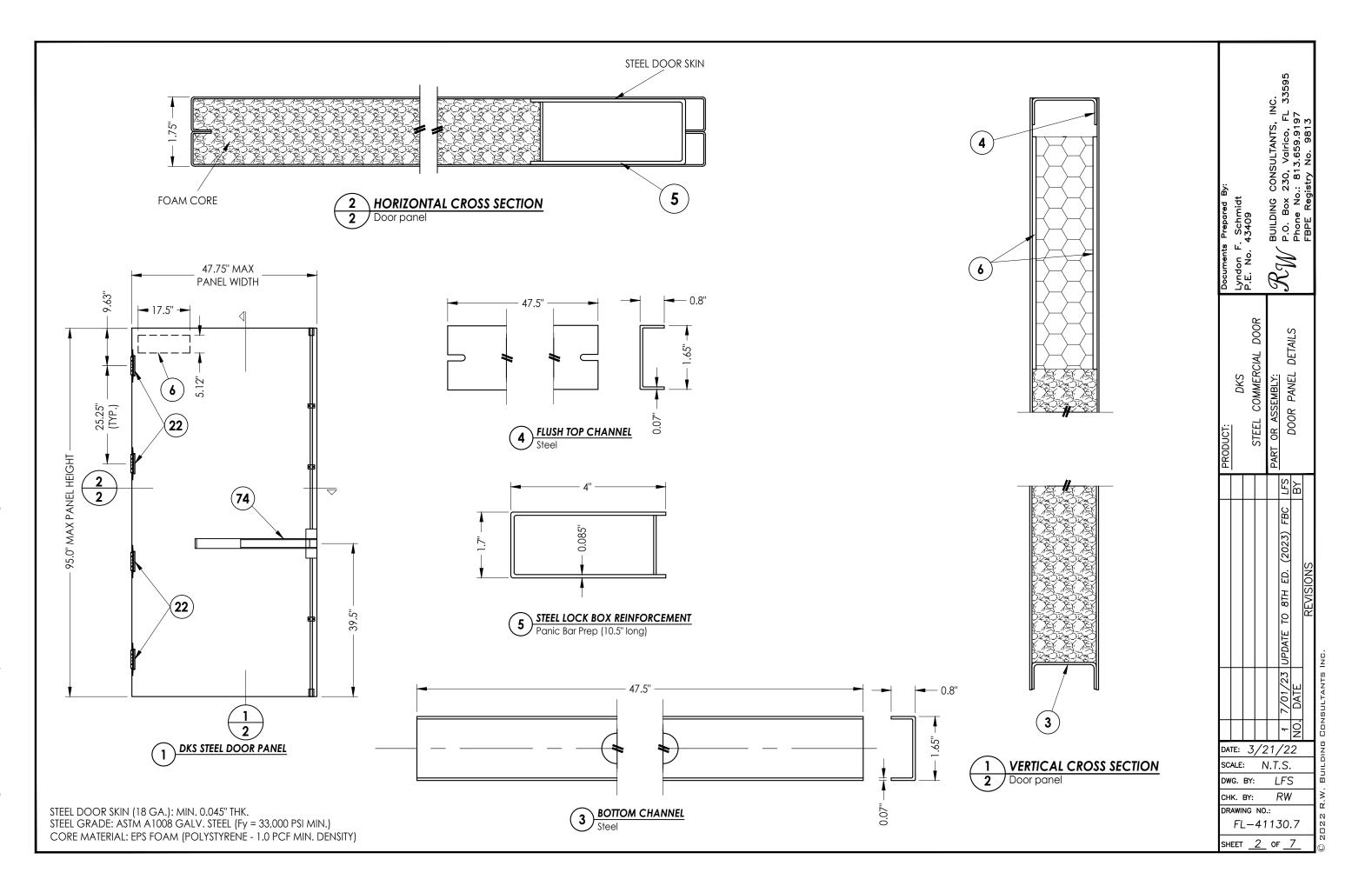
DATE: 3/21/22

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SCALE:

DRAWING NO.: FL-41130.7

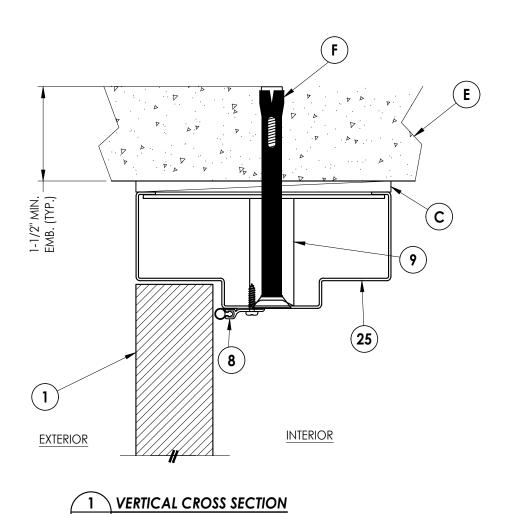
DKS COMMERCIAL

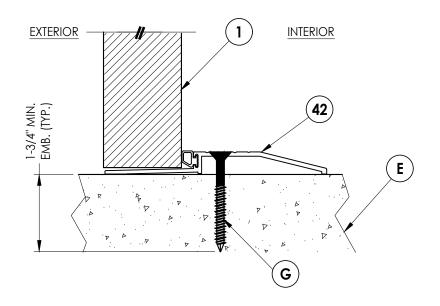


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2 VERTICAL CROSS SECTION 4 Outswing configuration

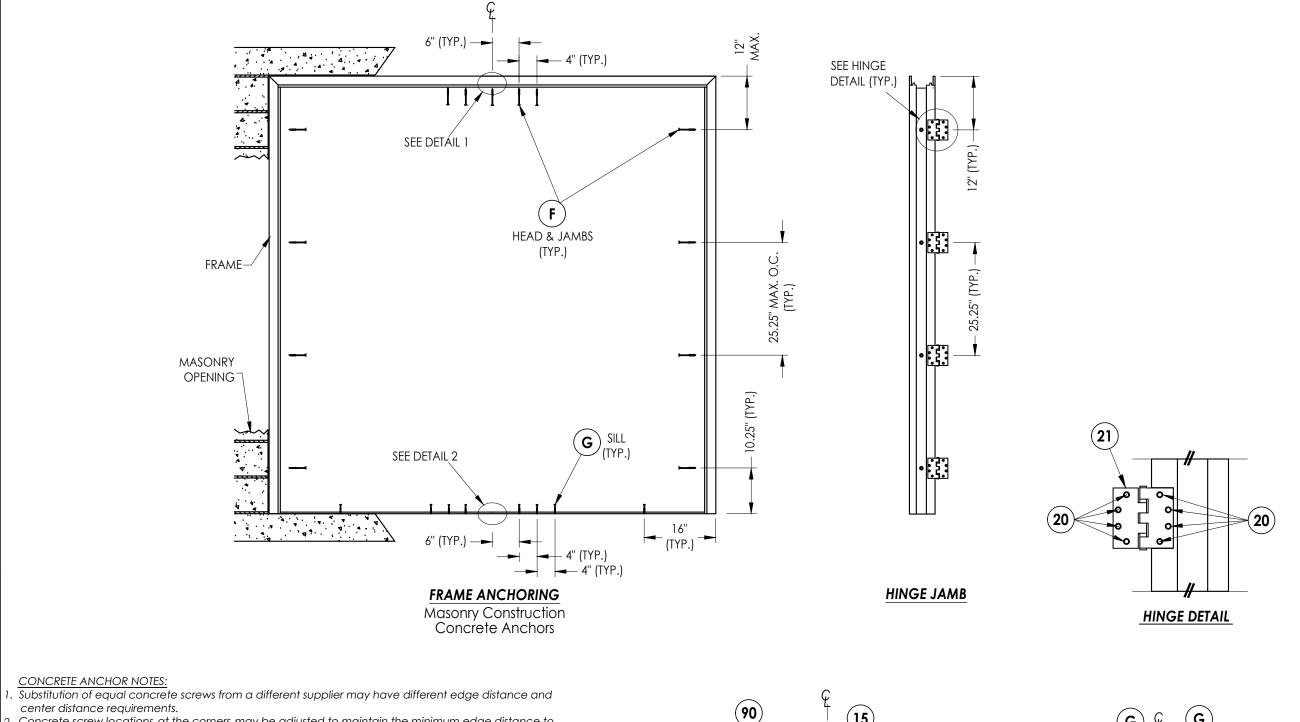
Documents Prepared By:	Lyndon F. Schmidt	P.E. No. 43409		$\mathcal{Q}_{\mathcal{A}}$, building consultants, inc.	JV /// P.O. Box 230, Valrico, FL 33595	VV Phone No.: 813.659.9197	FBPE Registry No. 9813	
PRODUCT:	0210	DAS	SIEEL COMMERCIAL DOOR	PART OR ASSEMBLY:		VERTICAL CRUSS SECTIONS		
					1 //01/23 UPDATE TO 8TH ED. (2023) FBC LFS	NO, DATE BY	REVISIONS	V. BUILDING CONSULTANTS INC.
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FL-41130.7 SHEET <u>4</u> OF <u>7</u>

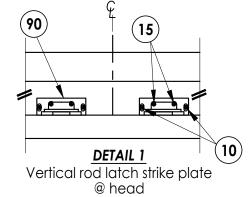
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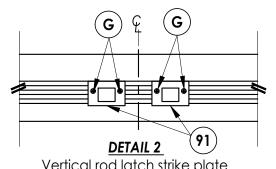


- Concrete screw locations at the corners may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- 3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE		MIN. CLEARANCE TO MASONRY EDGE	
ITW TAPCON®	1/4"	1-3/4"	2-1/2"	2"
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.





Lyndon F P.E. No.

DOOR

DKS COMMERCIAL

STEEL

DATE: 3/21/22

SHEET <u>5</u> OF <u>7</u>

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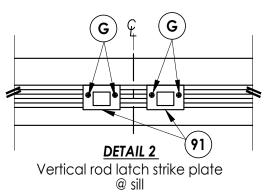
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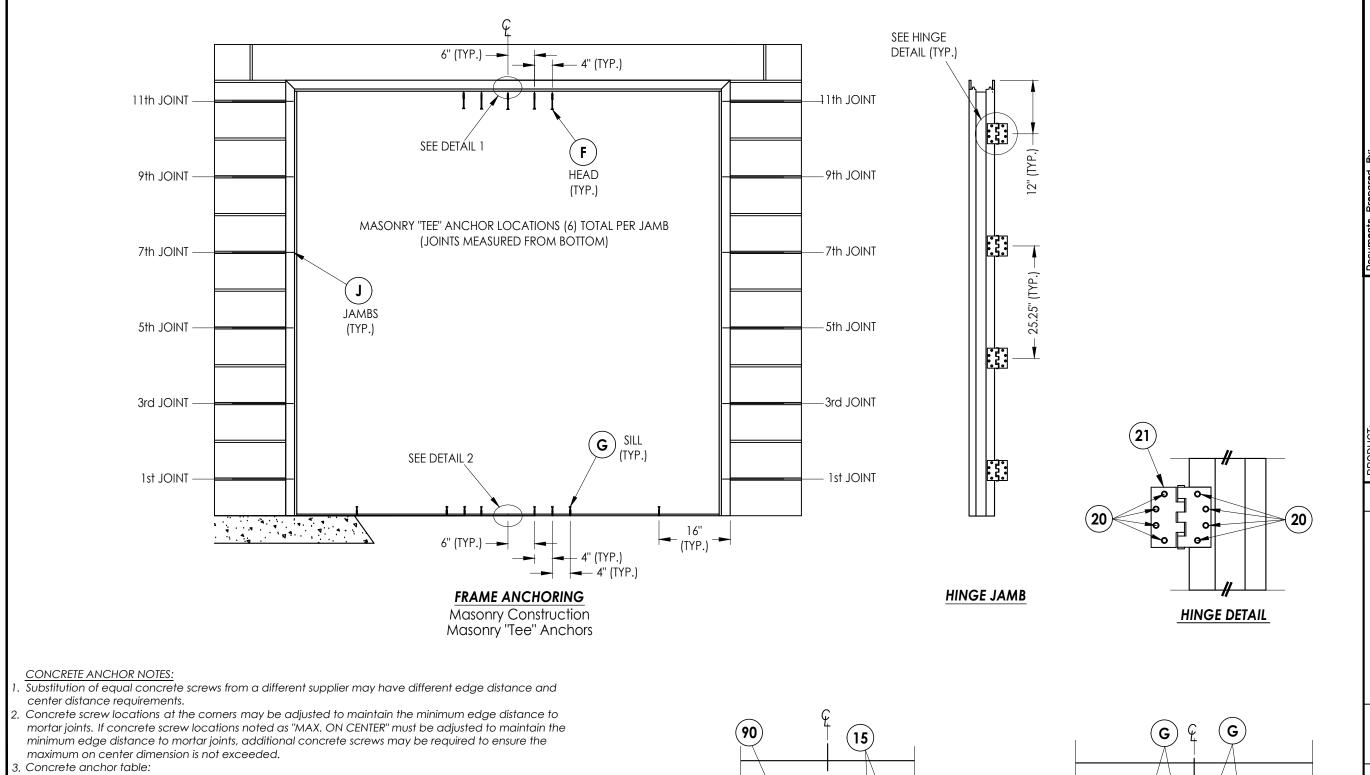
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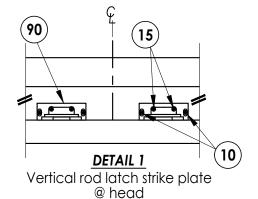
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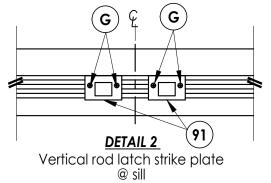
FRAME ANCHORING





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





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SHEET <u>6</u> OF <u>7</u>

BUILDING CONSULTANTS, P.O. Box 230, Valrico, F Phone No.: 813.659.919

<u> NR ASSEMBLY:</u> FRAME ANCHORING

8TH ED. (2023) FBC

DOOR

DKS COMMERCIAL

STEEL

