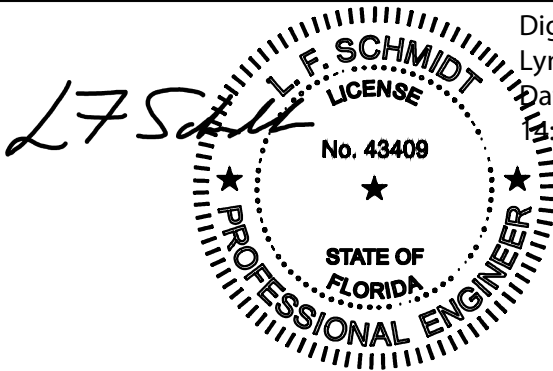


# QINGDAO SEA NOVA BUILDING PROFILES PRODUCTS CO., LTD

Songjia, Yanghe Town Jiaozhou Dist. Qingdao City  
Shandong Province, 266425 China  
Tel: +86-0532-86225607



Digitally signed by  
Lyndon F Schmidt  
Date: 2025.06.19  
11:09:43 -04'00'  
This item has been digitally signed and sealed by  
L. F. Schmidt, P.E. on the date adjacent to the seal.  
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

Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

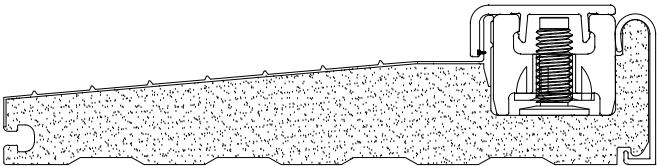
RW BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

### GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
- These "NON-IMPACT" door thresholds, as components, are to be used as a substitute for similar components in a non-impact approved door system possessing a current Florida Statewide Product Approval.
- The design pressure of the assembly shall be the lesser of the design pressure for the component assembly shown in this approval or the design pressure of the system assembly used in conjunction with this approval.
- The maximum frame size of the door assembly shall be the lesser of the maximum frame size stated in this approval or the maximum frame size of the system assembly approval used in conjunction with this approval.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

| TABLE OF CONTENTS |                                                      |
|-------------------|------------------------------------------------------|
| SHEET #           | DESCRIPTION                                          |
| 1                 | Typical elevations, design pressures & general notes |
| 2                 | Threshold Anchoring                                  |
| 3                 | Threshold Details & Sections                         |

## "Poly-Tek" Series COMPOSITE THRESHOLD w/ PLASTIC DECK INSWING "NON-IMPACT"



INSWING THRESHOLD

| CONFIGURATION | MAX. FRAME DIMENSION | DESIGN PRESSURE (PSF)<br>INSWING |          |
|---------------|----------------------|----------------------------------|----------|
|               |                      | POSITIVE                         | NEGATIVE |
| X             | 37.75" x 82.0"       | +50.0                            | -50.0    |
| XX            | 74.0" x 82.0"        | +50.0                            | -50.0    |

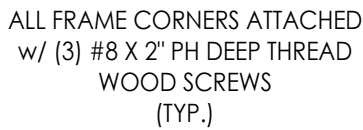
PRODUCT: NOVA PLASTECH

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

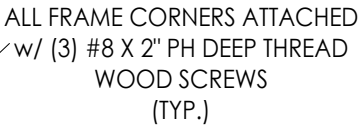
REVISIONS

| NO. | DATE | BY |
|-----|------|----|
|     |      |    |
|     |      |    |
|     |      |    |
|     |      |    |
|     |      |    |

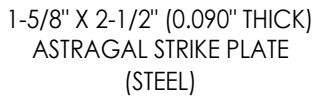
DATE: 6/17/25  
SCALE: N.T.S.  
DWG. BY: LFS  
CHK. BY: RW  
DRAWING NO.: FL-27194.5  
SHEET 1 OF 3



## TYPICAL SINGLE DOOR INSTALLATION



## **TYPICAL DOUBLE DOOR INSTALLATION**



## ASTRAGAL BOLT STRIKE DETAIL

### Inswing Threshold

NOTE: SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR ALL DOOR CONSTRUCTION AND INSTALLATION DETAILS NOT SHOWN.

Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

***RW*** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: NOVA PLASTECH

PART OR ASSEMBLY:

[illegible]

DATE: 6/17/25

SCALE: N.T.S.

DWG. BY: *LFS*

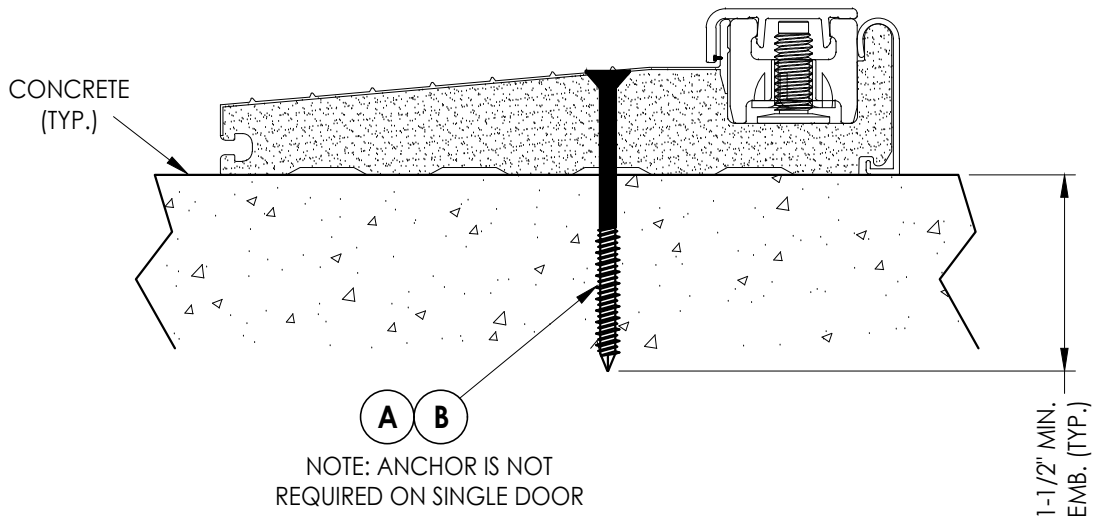
CHK. BY: *RW*

DRAWING NO.:

FL-27194.5

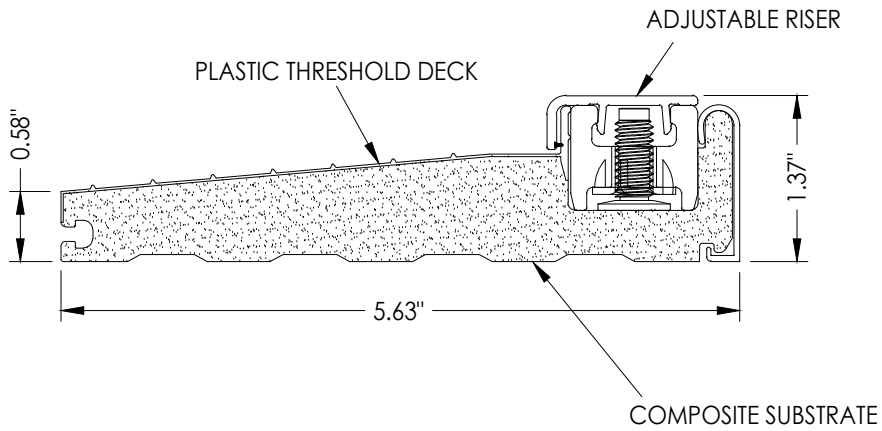
SHEET 2 OF 3

Z:\2023 FBC Drawings\Qingdal Sea Nova Building Profiles\FL-27194 R4\FL-27194.5.dwg



NOTE: ANCHOR IS NOT  
REQUIRED ON SINGLE DOOR

**1**  
**3** **VERTICAL CROSS SECTION**  
Inswing Threshold



**INSWING THRESHOLD**

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

| ANCHOR TYPE          | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|----------------------|-------------|----------------|--------------------------------|-----------------------------------|
| (A) DeWALT ULTRACON® | 1/4"        | 1-1/2"         | 1"                             | 4"                                |
| (B) ITW TAPCON®      | 1/4"        | 1-1/2"         | 2"                             | 4"                                |
| (C) ITW TAPCON®      | 3/16"       | 1-1/2"         | 3"                             | 1-1/2"                            |

4. Concrete (min. 3,000 psi - conforming to ACI 301).

Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: NOVA PLASTECH

PART OR ASSEMBLY:  
THRESHOLD DETAILS  
& SECTIONS

| REVISIONS |      |    |  |  |
|-----------|------|----|--|--|
| NO.       | DATE | BY |  |  |
|           |      |    |  |  |
|           |      |    |  |  |
|           |      |    |  |  |
|           |      |    |  |  |
|           |      |    |  |  |
|           |      |    |  |  |

DATE: 6/17/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:  
FL-27194.5

SHEET 3 OF 3