INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 5. FOR INSTALLATION INTO WOOD FRAMING USE #12 WOOD **SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 6. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH **DIAMETER ITW TAPCONS** OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- 7. FOR INSTALLATION INTO STEEL STUD FRAME USE #12 GR. 5 **SELF-TAPPING SCREWS** OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM 3 THREADS PENETRATION BEYOND STEEL STRUCTURE.
- FOR INSTALLATION ANCHORS THROUGH HINGES ONLY USE #10 WOOD SCREWS, 1/4 INCH DIAMETER ITW TAPCONS, OR #10 **SELF-TAPPING SCREWS** ADHERING TO EMBEDMENT & EDGE DISTANCE REQUIREMENTS LISTED IN NOTES 5-7 ABOVE.
- 9. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 10. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 11. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 12. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS. AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- 13. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING
 - A. WOOD MINIMUM SPECIFIC GRAVITY OF 0.42.
 - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90.
 - D. STEEL MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 45 MILS (18 GAUGE).

PLYCO CORPORATION

SERIES 20EV GLAZED STEEL INSWING DOOR (NON-IMPACT)

GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) AND HAS BEEN **EVALUATED ACCORDING TO THE FOLLOWING:**
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E330-14
- 2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- 5. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 6. FRAME MATERIAL: ALUMINUM 6063-T5 & CS-B STEEL
- 7. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED.
- 8. ALL EXPOSED STEEL COMPONENTS ARE GALVANIZED AND SHOP PRIMED.
- 9. GLASS SHALL MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAIL.

TABLE OF CONTENTS				
SHEET	SHEET DESCRIPTION			
1	INSTALLATION & GENERAL NOTES			
2	ELEVATION, ANCHOR LAYOUT & GLAZING DETAIL			
3	VERTICAL SECTIONS			
4	HORIZONTAL SECTIONS			
5	COMPONENTS & BILL OF MATERIALS			

DESIGN PRESSURE RATING								
LOCK TYPE	FRAME SIZE	DESIGN PRESSURE		MISSILE IMPACT RATING				
SINGLE POINT	39.75" X 85.38"	+45.0 / -45.0 PSF [*]	W/O WATER INFILTRATION	NON-IMPACT				
SINGLE POINT	51.88" X 85.38"	+30.0 / -30.0 PSF*	W/O WATER INFILTRATION	NON-IMPACT				
SINGLE POINT W/ DEAD BOLT	39.75" X 85.38"	+45.0 / -45.0 PSF	W/O WATER INFILTRATION	NON-IMPACT				

*UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THE OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT GREATER THAN 1.0 WHERE WATER INFILTRATION IS REQUIRED.



500 INDUSTRIAL RD. ELKHART LAKE, WI 53020

PH: (920) 876-3611 FAX: (920) 876-3527

INSTALLATION & GENERAL NOTES

D BY:
BUILDING DR(
338 E. DANIA BEACH BI
DANIA BEACH, FI
PH: (954)394
FAX: (954)744

DROPS, I ACH BLVD., STE. ACH, FL 33004 4)399-8478 34)744.4738

REMARKS BY DATE

ND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECI SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIA FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSE ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



TEXAS P.E. No 118471 BUILDING DROPS, INC E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004

DATE: 02.13.20

DWG. BY: CHK, BY: MS

SCALE:

PCO030 DWG. #:

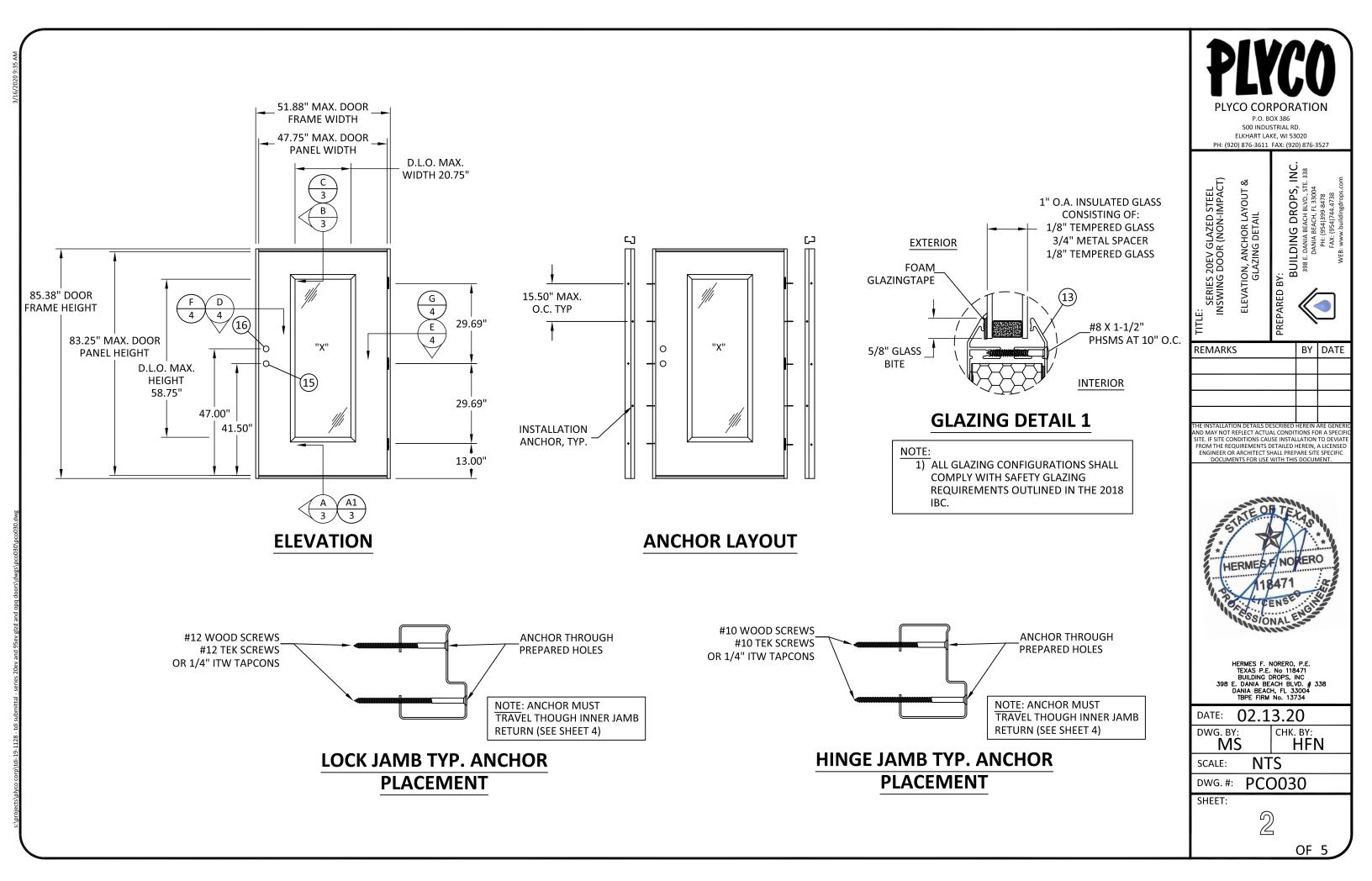
SHEET:

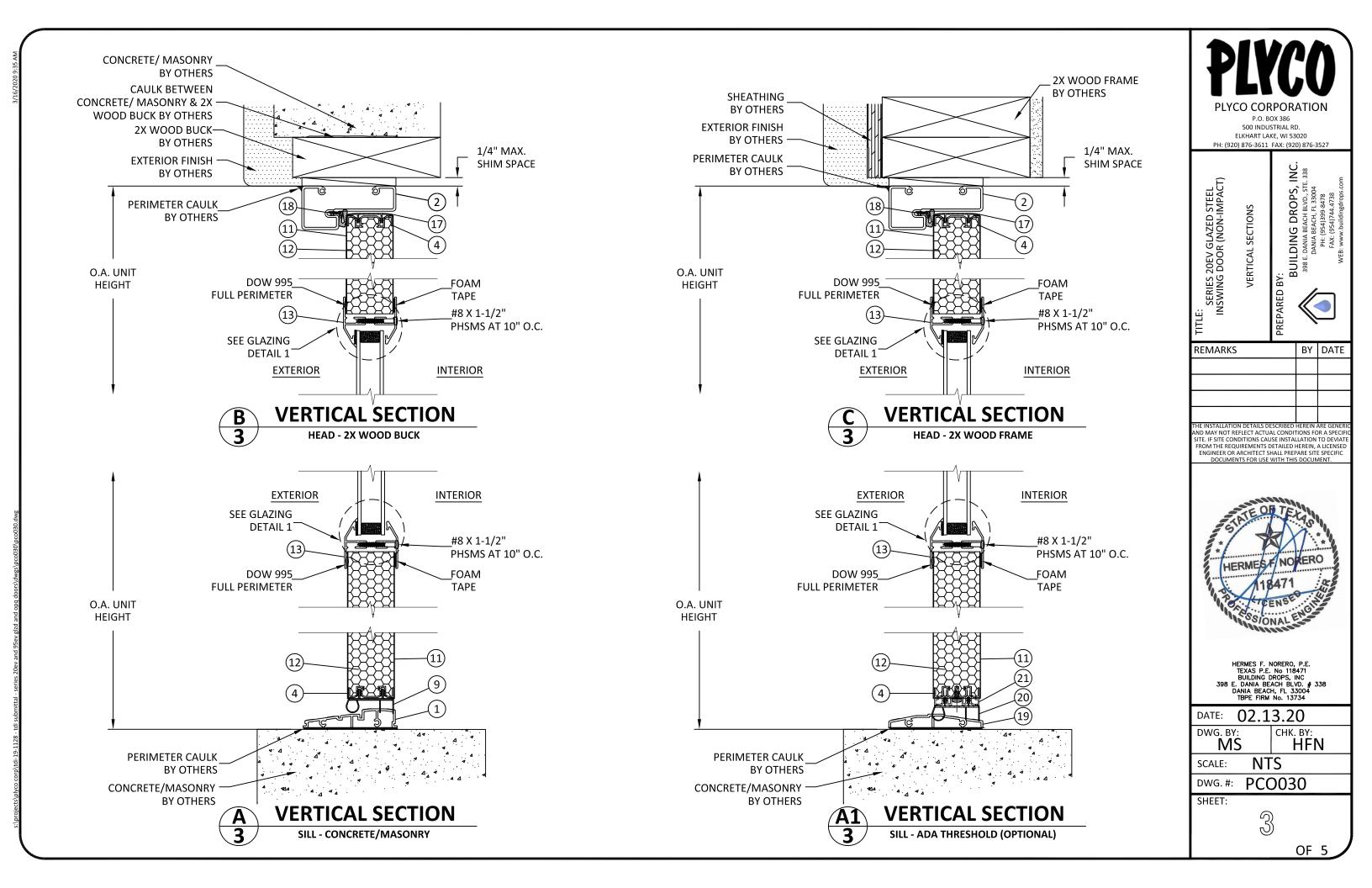


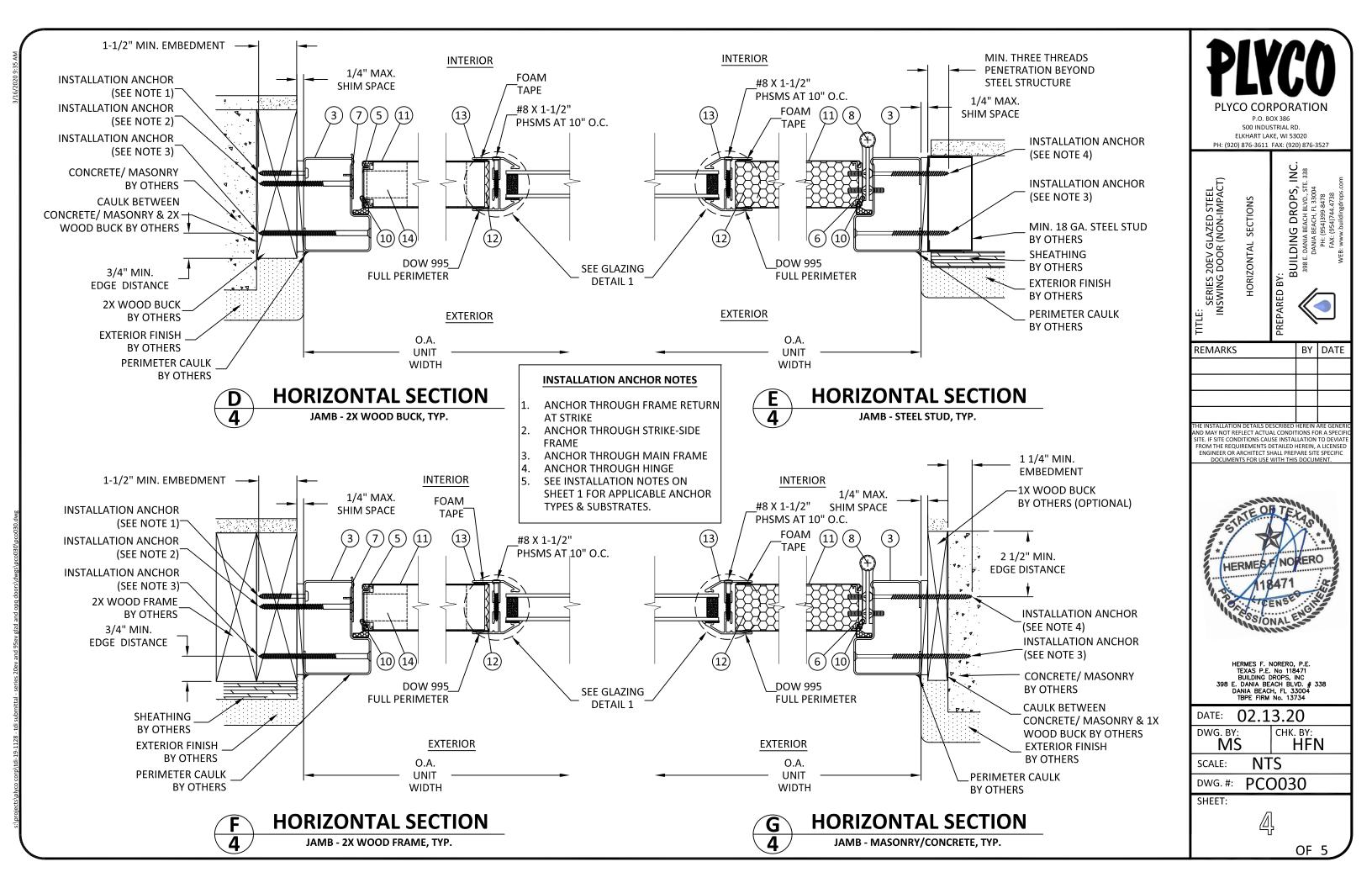
NTS

OF 5

HFN

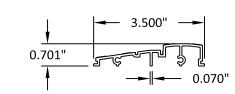






BILL OF MATERIALS						
ITEM NO.	DESCRIPTION	PARTS NUMBERS	MATERIAL	MANUFACTURER		
1	FRAME SILL	1647	6063-T5	MODERN DOOR		
2	FRAME HEAD	1880	6063-T5	MODERN DOOR		
3	FRAME JAMB	1539	STEEL	MODERN DOOR		
4	HEAD & SILL RAIL	1838-1A	6063-T5	MODERN DOOR		
5	STRIKE RAIL	1839	6063-T5	MODERN DOOR		
6	HINGE RAIL	1840-B	6063-T5	MODERN DOOR		
7	STRIKE PLATE		STEEL	MODERN DOOR		
8	4" BUTT HINGE		STEEL	MODERN DOOR		
9	DOOR SWEEP		PVC-ALCRYN	MODERN DOOR		
10	FOAM FILLED WEATHER SEAL	WS-016	FOAM	MODERN DOOR		
11	DOOR SKIN		0.021" STEEL	MODERN DOOR		
12	PANEL CORE		POLYURETHANE	MODERN DOOR		
13	LITE-KIT FRAME	HM-23323	6063-T5	MODERN DOOR		
14	LOCK BLOCK		WOOD	MODERN DOOR		
15	LOCKSET		STEEL	SCHLAGE		
16	DEADBOLT (OPTIONAL)		STEEL	SCHLAGE		
17	DOOR CAP		PVC	MODERN DOOR		
18	WEATHER SEAL	9650	PVC	MODERN DOOR		
19	ADA SILL (OPTIONAL)	1572	6063-T5	MODERN DOOR		
20	DOOR SWEEP	1852	PVC-ALCRYN	MODERN DOOR		
21	PANEL SEAL	1929	6063-T5	MODERN DOOR		
NOTE: ALL EXPOSED STEEL COMPONENTS ARE GALVANIZED AND SHOP PRIMED.						

FRAME SILL 1 **ALUMINUM 6063-T5**



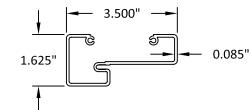
FRAME JAMB

16 GA. STEEL **←** 3.500" −

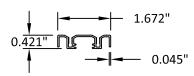
3

2.500"



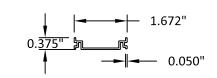


HEAD & SILL RAIL ALUMINUM 6063-T5



ALUMINUM 6063-T5

STRIKE RAIL 5 **ALUMINUM 6063-T5**

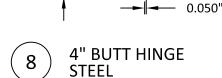


STRIKE PLATE

18 GA. STEEL

--| 1.672" 0.390"

HINGE RAIL





ZINC-PLATED MILD STEEL OR **304 STAINLESS STEEL**

DOOR CAP PVC

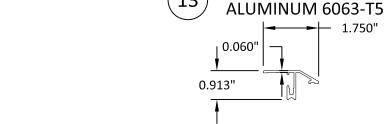




FOAM FILLED WEATHER SEAL 10 **FOAM**

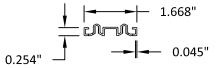
ADA SILL (OPTIONAL)

ALUMINUM 6063-T5

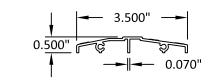


LOCK BLOCK 14 WOOD 4.500" 1.660" 16.50" LONG AT LOCKSET

PANEL SEAL 21 **ALUMINUM 6063-T5**





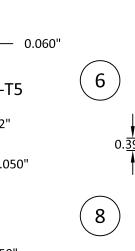


19





LITE-KIT FRAME





HERMES F. NORERO, P.E. TEXAS P.E. No 118471 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 TBPE FIRM No. 13734

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENER AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIF

SITE, IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIAT FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

P.O. BOX 386 500 INDUSTRIAL RD.

ELKHART LAKE, WI 53020

PH: (920) 876-3611 FAX: (920) 876-3527

SERIES 20EV GLAZED STEEL INSWING DOOR (NON-IMPACT)

REMARKS

COMPONENTS & BILL OF MATERIALS

PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD, STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738

BY DATE

DATE:	02.1	3.20

CHK. BY: DWG. BY: HFN MS

NTS SCALE:

DWG. #: PCO030

SHEET:

OF 5

