



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Hamilton Safe Company
3143 Production Drive
Fairfield, OH 45040

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "ECS-10" Single Outswing (S.S.) Doors w/ Post -L.M.I.

APPROVAL DOCUMENT: Drawing No. **HSC 001**, titled "Series "ECS-10" OS Doors w/ Post", sheets 1 through 8 of 8, prepared by Building Drops Inc., dated 09/24/10 and last revised on 06-13-12, signed and sealed by Alexis Spyrou, P.E., bearing the Miami-Dade County Product approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Single Doors w/ Post to be installed in line with Building walls and/or structure and side post (frame) not to be exposed or projected outside of building envelope.
2. Polycarbonate interlayer must have current NOA approval and or comply with FBC plastic requirements.
3. Interior Vestibule, Return Rails, Return Rails mounting and/or interior doors, shown with dotted lines in sheet 2, are not part of this approval. Such installations to be reviewed and approved by appropriate Bldg. officials.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No 10-1019.03
Expiration Date: July 26, 2017
Approval Date: July 26, 2012

7/16/12

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No. **HSC 001**, titled "Series "ECS-10" OS Doors w/ Post", sheets 1 through 8 of 8, prepared by Building Drops Inc., dated 09/24/10 and last revised on 06-13-12, signed and sealed by Alexis Spyrou, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of Stainless Steel (S.S.) doors w/ Post, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA 2036W**, dated 08/03/10, signed and sealed by Ramesh Patel, P. E.

Note: This test report has been revised by an addendum letter dated March 21, 2011, along with Marked-up Drawings, issued by Certified Testing Lab, signed and sealed by Ramesh Patel, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by Building Drops, Inc., dated 09/12/10, 02/15/12 and last revised on 06-13-12, signed and sealed by Alexis Spyrou, P.E.
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

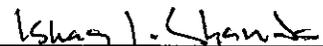
1. Tensile test report # 2036W dated June 07, 2012, issued by Certified Testing Laboratories, Inc. per ASTM E8/A370 of Stainless Steel door specimen, issued to Hamilton Safe.
2. Current Notice of Acceptance of "Approved Polycarbonate" and / or Compliance to FBC plastic requirement to be provided to Bldg officials.

F. STATEMENTS

1. Statement letter of conformance to FBC 2007 & 2010 and letter of no financial interest, prepared by Building Drops, Inc., dated 02/15/12, signed and sealed by Alexis Spyrou, P.E.
2. Lab compliance as part of the above referenced test report.
3. Addendum letter dated March 21, 2011, along with Marked-up Drawings, issued by Certified Testing Lab, signed and sealed by Ramesh Patel, P. E.

G. OTHER

1. Test proposal # **09-1338-R**, dated 06-03-10, approved by BCCO.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 10-1019.03

Expiration Date: July 27, 2017

Approval Date: July 27, 2012

HAMILTON SAFE CO.

SERIES ECS-10 SINGLE STAINLESS STEEL OUTSWING DOORS WITH POST

HAMILTON SAFE CO.
3143 PRODUCTION DR.
FAIRFIELD, OH 45014
PH: (513) 874-3733 FX: (513) 874-3967

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN (SEE SHEET 2).
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 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.
- FOR INSTALLATION DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR 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.
- 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 IN THIS APPROVAL.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 2700 PSI.
 - GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 & GROUT CONFORMS TO ASTM C 476. GROUT SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. SEE FBC 2010 SECTION 2105.2.2.1.2 (3) FOR GROUTED MASONRY REQUIREMENTS.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2010 FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- 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.
- 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 IN NON-HVHZ AREAS AND TO BE REVIEWED BY A.H.J (AUTHORITY HAVING JURISDICTION).
- DEVIATION FROM NOA WITHIN THE HVHZ REQUIRES ONE-TIME APPROVAL FROM MIAMI-DADE COUNTY (BNC).
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- FRAME MATERIAL: 18 GA. (0.048" THICK) 304 STAINLESS STEEL
DOOR MATERIAL: 16 GA. (0.053" THICK) 304 STAINLESS STEEL
F_{min}=98.50 ksi
F_{ymin}=53.50 ksi
- FRAME AND DOORS MUST BE PROTECTED WITH DISSIMILAR MATERIAL & CORROSION PROTECTION PER SECTION 2220 OF THE 2010 FBC.
- IN ACCORDANCE WITH THE 2010 FBC SEC. 2003.8.4 DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN SEC 2003.8.4.2.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.
- ALL WELDS ARE TO ADHERE TO AWS STANDARDS. WELDS TO BE GTAW (GAS TUNGSTEN-ARC WELD) BY MANUFACTURER PRIOR TO INSTALLATION.

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	INSTALLATION & GENERAL NOTES
2	-	ELEVATION & ANCHOR LAYOUT
3	-	VERTICAL SECTIONS
4	-	HORIZONTAL SECTIONS & GLAZING DETAILS
5	-	COMPONENTS & BILL OF MATERIALS
6	-	COMPONENTS
7	-	CORNER DETAILS
8	-	WELD DETAILS

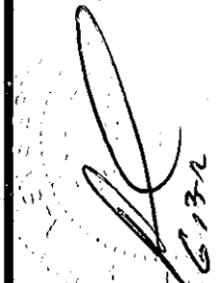
DESIGN PRESSURE RATING			
GLAZE TYPE	DESIGN PRESSURE - ALL SIZES		MISSILE IMPACT RATING
1 & 2	+70.0 / -70.0 PSF *	WITHOUT WATER INFILTRATION REQUIREMENT*	LARGE AND SMALL MISSILE IMPACT RATED

*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.

TITLE: ECS-10 OS DOORS W/ POST
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954-399-8478 FX: 954-744-4738

NO.	DESCRIPTION	BY	DATE


 ALEXEY SPIVROU
 FLORIDA P. E. NO. 68101
 127 W. FAIRBANKS AVE. STE. 438
 WINTER PARK, FL 32789
 FBPE CERT. OF AUTHORIZATION NO. 29576

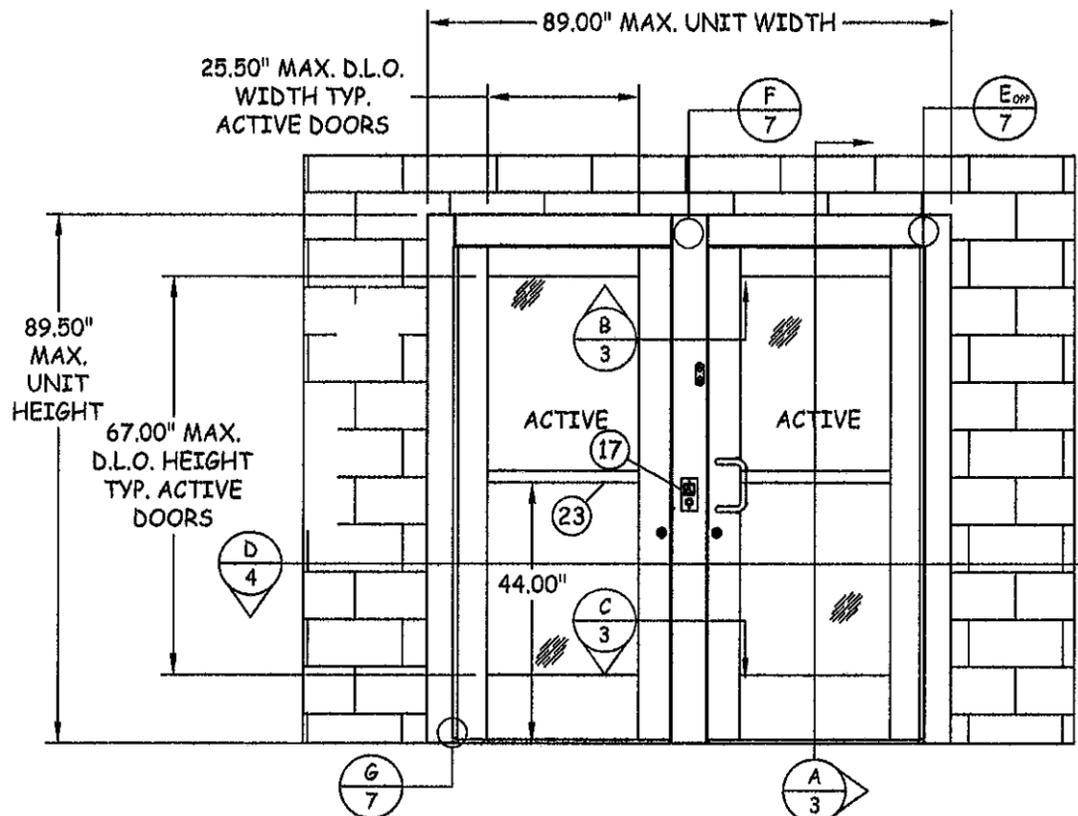
Approved as complying with the Florida Building Code
 Date: July 26, 2012
 NOA# 10-1019-03
 Without Code Product Control
 By: Khang I. Chande

DATE: 9.24.10
 DWN BY: JLA
 CHK BY: HFN
 SCALE: NTS

DWG #: **HSC001**
 SHEET: 1 OF 8

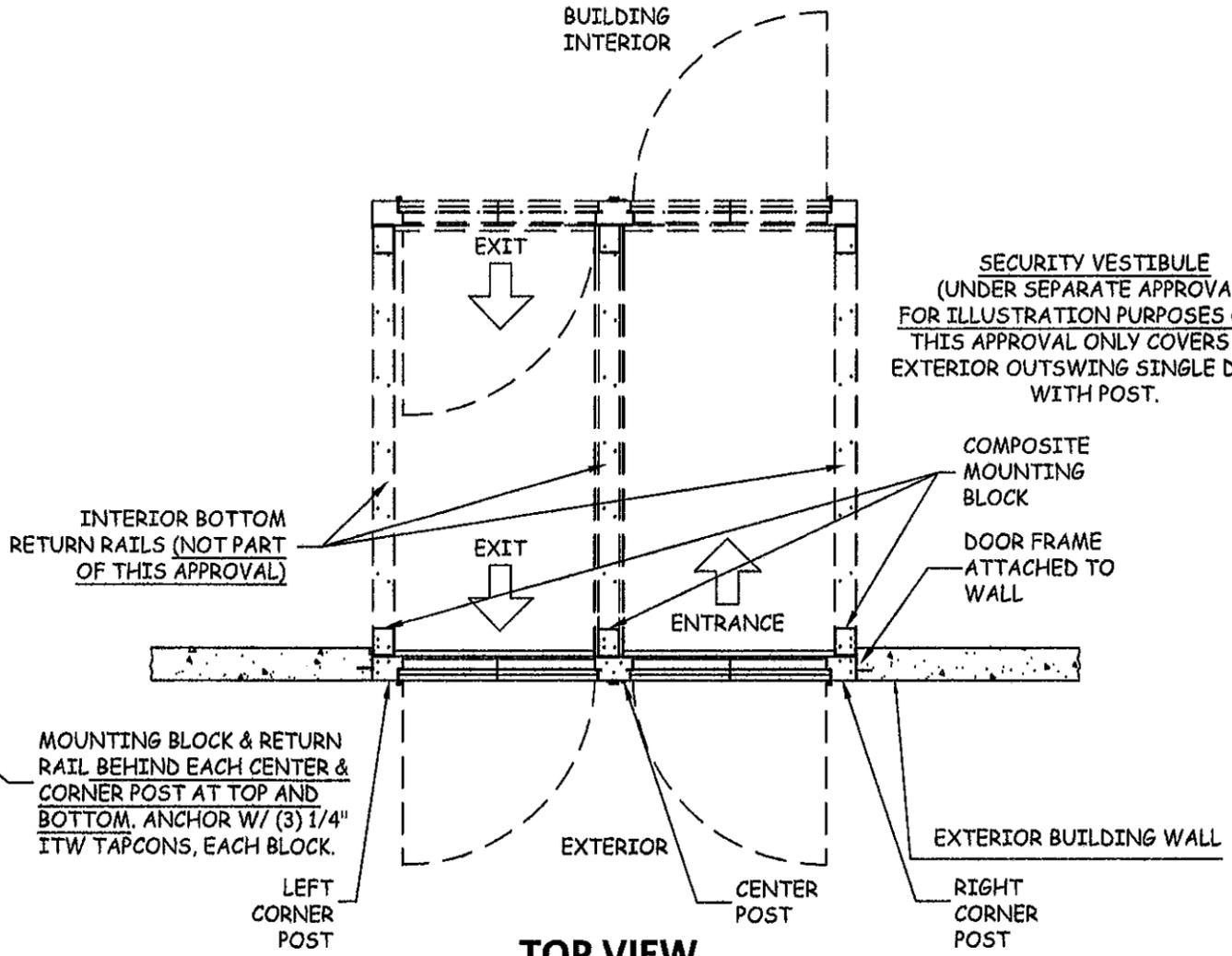
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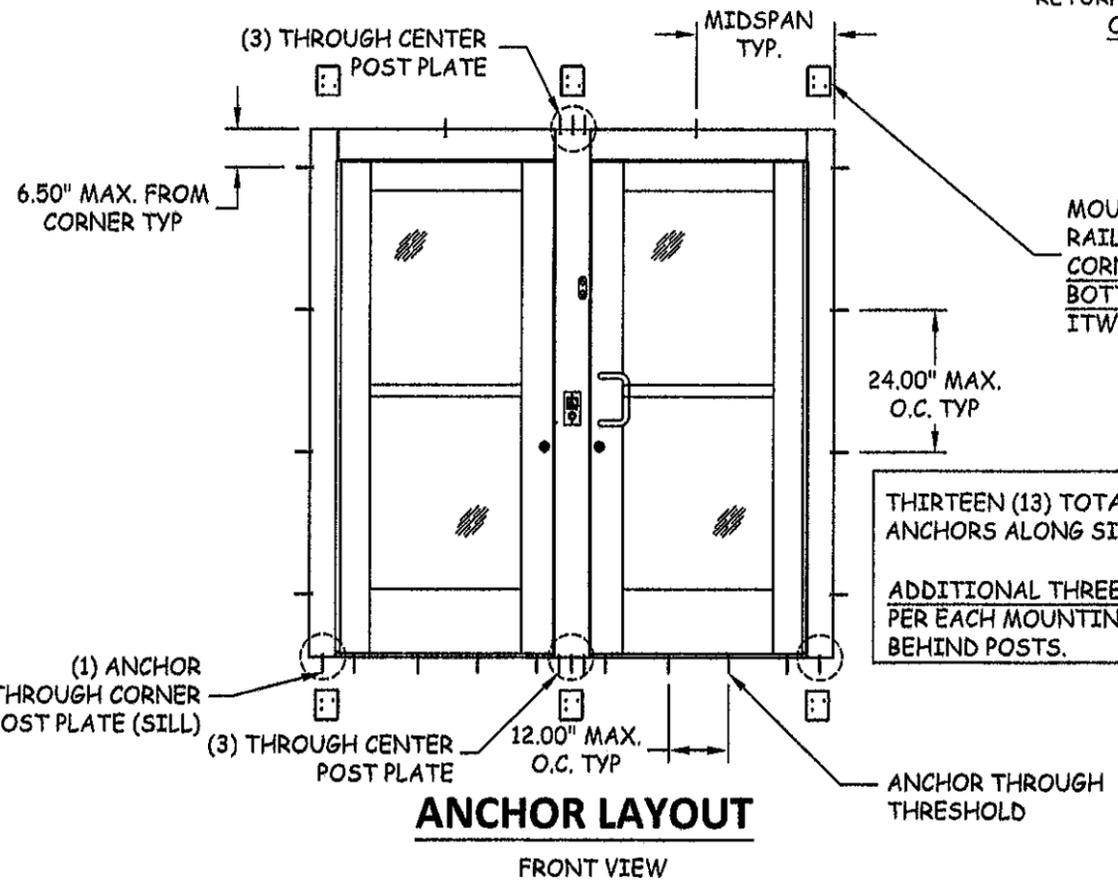
NOTE: DOOR FRONT ELEVATION TO BE FLUSH WITH EXTERIOR WALLS. ECS VESTIBULE CANNOT BE PROJECTED OUTSIDE OF BUILDING ENVELOPE.

FRONT ELEVATION
OUTSWING SINGLE DOOR WITH POST



TOP VIEW
FLUSH INSTALLATION
OUTSWING SINGLE DOOR WITH POST

SECURITY VESTIBULE
(UNDER SEPARATE APPROVAL)
FOR ILLUSTRATION PURPOSES ONLY.
THIS APPROVAL ONLY COVERS THE
EXTERIOR OUTSWING SINGLE DOORS
WITH POST.



ANCHOR LAYOUT
FRONT VIEW

THIRTEEN (13) TOTAL ANCHORS ALONG SILL SPAN
ADDITIONAL THREE ANCHORS PER EACH MOUNTING BLOCK BEHIND POSTS.

TITLE: ECS-10 OS DOORS W/ POST ELEVATIONS & ANCHOR LAYOUT
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

NO.	DESCRIPTION	BY	DATE

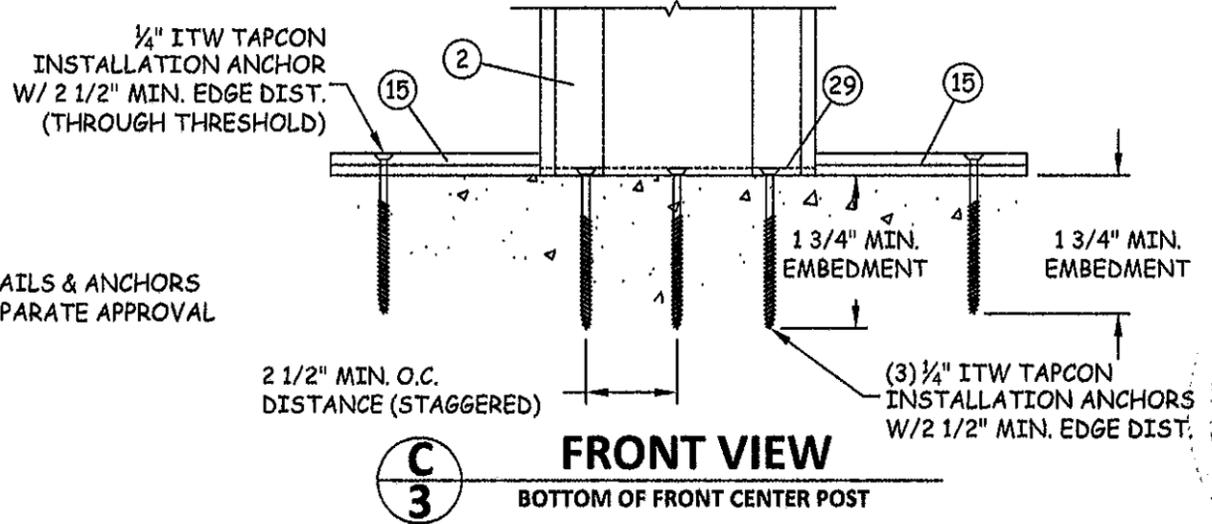
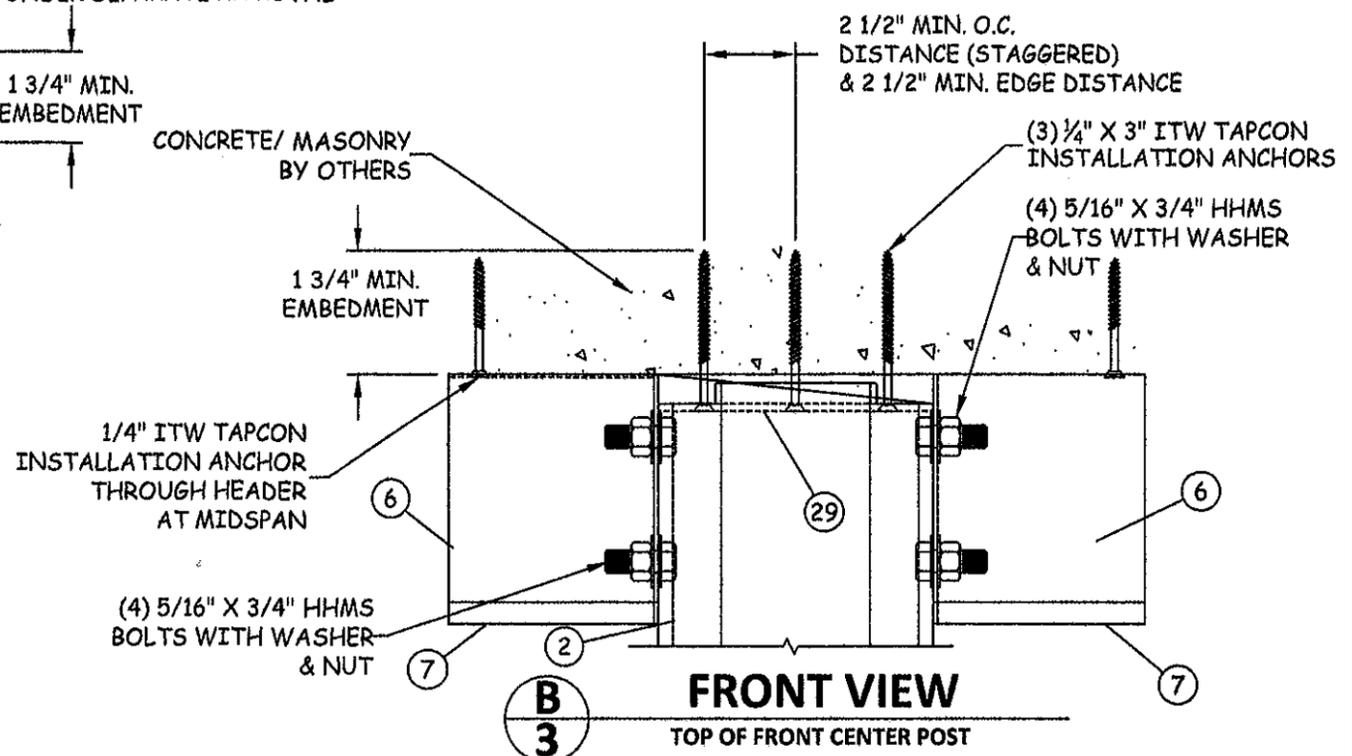
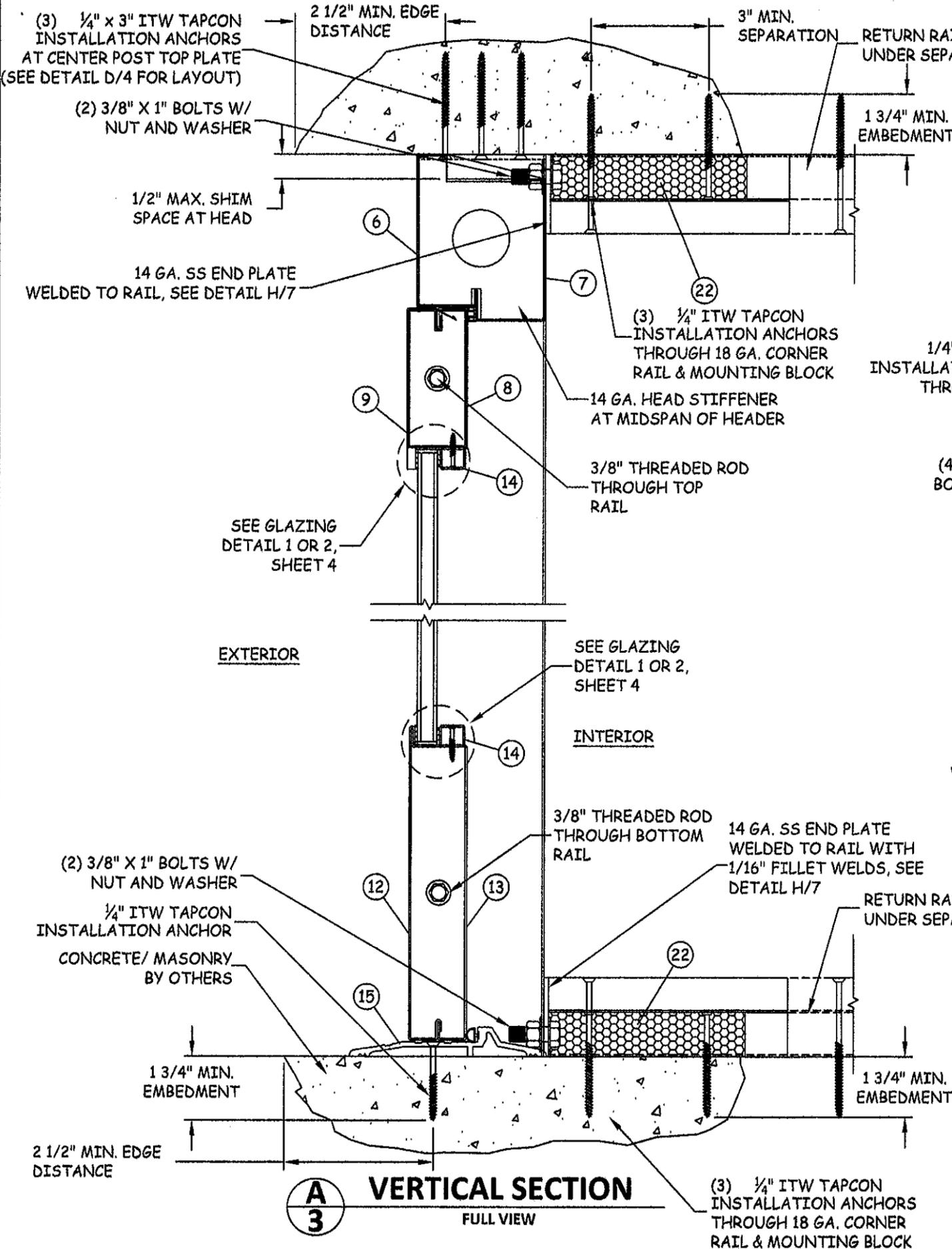
Signature
ALEXIS SPYROU 68101
FLORIDA P. E. NO. 438
127 W. FAIRBANKS AVE. STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28578

Approved as complying with Florida Building Code
Date: July 26, 2012
NGA# 10-1019-03
Miami Dade Product Control
Signature

DATE: 9.24.10	DWN BY: JLA	CHK BY: HFN	SCALE: NTS
DWG #: HSC001			
SHEET: 2 OF 8			

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NO.	DESCRIPTION	BY	DATE

Signature

ALEXIS SPYROU
FLORIDA P. E. NO. 68101
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 29578

approved as complying with Florida Building Code
Date: July 26, 2012
NOA# 10-1019-03
Miami Dade Product Control
Blag I. Chaudhary

DATE: 9.24.10
DWN BY: JLA
CHK BY: HFN
SCALE: NTS

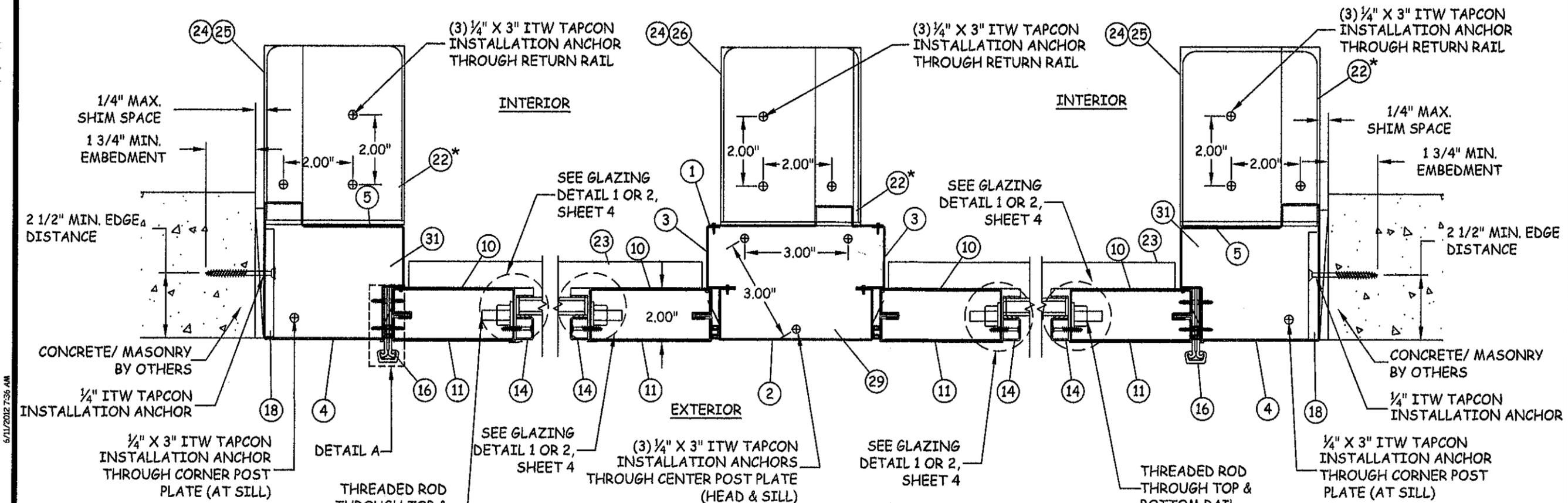
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SHEET: **3 OF 8**

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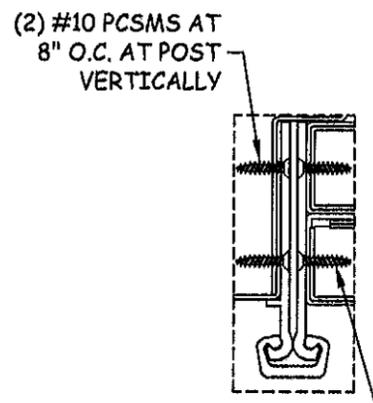
D HORIZONTAL SECTION
4 FULL VIEW

NOTE: ALL ITW TAPCONS REQUIRED TO MAINTAIN MIN. 1 3/4" EMBEDMENT & 2 1/2" EDGE DISTANCE.

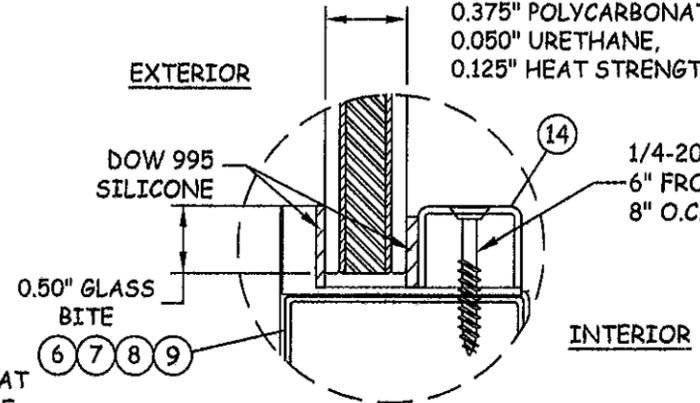
*NOTE: MOUNTING BLOCKS (ITEM 22) LOCATED & FASTENED AT HEAD AND SILL INSIDE OF POST RAILS

11/16" SECUR-TEM+POLY GLASS CONSISTING OF:
0.125" HEAT STRENGTHENED GLASS,
0.050" URETHANE,
0.375" POLYCARBONATE,
0.050" URETHANE,
0.125" HEAT STRENGTHENED GLASS

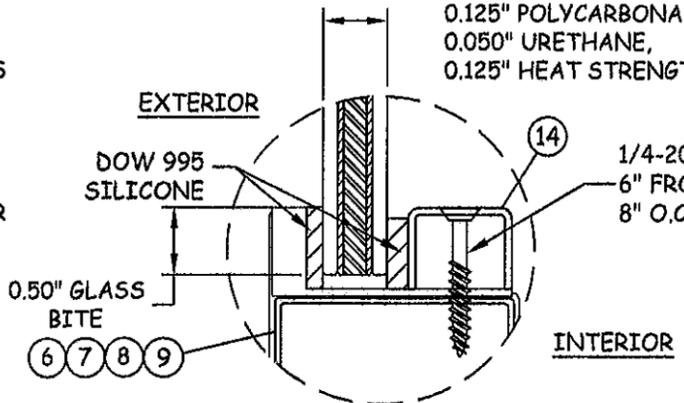
7/16" SECUR-TEM+POLY GLASS CONSISTING OF:
0.125" HEAT STRENGTHENED GLASS,
0.050" URETHANE,
0.125" POLYCARBONATE,
0.050" URETHANE,
0.125" HEAT STRENGTHENED GLASS



DETAIL A
ROTON HINGE ATTACHMENT



GLAZING DETAIL 1
POLYCARBONATE APPROVED UNDER SEPARATE NOA AND/OR MEETS CURRENT FBC REQUIREMENTS



GLAZING DETAIL 2
POLYCARBONATE APPROVED UNDER SEPARATE NOA AND/OR MEETS CURRENT FBC REQUIREMENTS

TITLE: ECS-10 OS DOORS W/ POST HORIZONTAL SECTIONS & GLAZING DETAILS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

NO.	DESCRIPTION	BY	DATE

ALEXIS SPYROU
FLORIDA P. E. NO. 88101
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 29578
6-13-12

Approved as complying with the Florida Building Code
Date: July 26, 2012
NOA# 1041019-03
Miami Code Product Control
J. King L. Cloud

DATE: 9.24.10	DWN BY: JLA	CHK BY: HFN	SCALE: NTS
DWG #: HSC001			
SHEET: 4 OF 8			

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HAMILTON SAFE CO.
3143 PRODUCTION DR.
FAIRFIELD, OH 45014
PH: (513) 874-3733 FX: (513) 874-3967

TITLE: ECS-10 OS DOORS W/ POST COMPONENTS & BILL OF MATERIALS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738

NO.	DESCRIPTION	BY	DATE

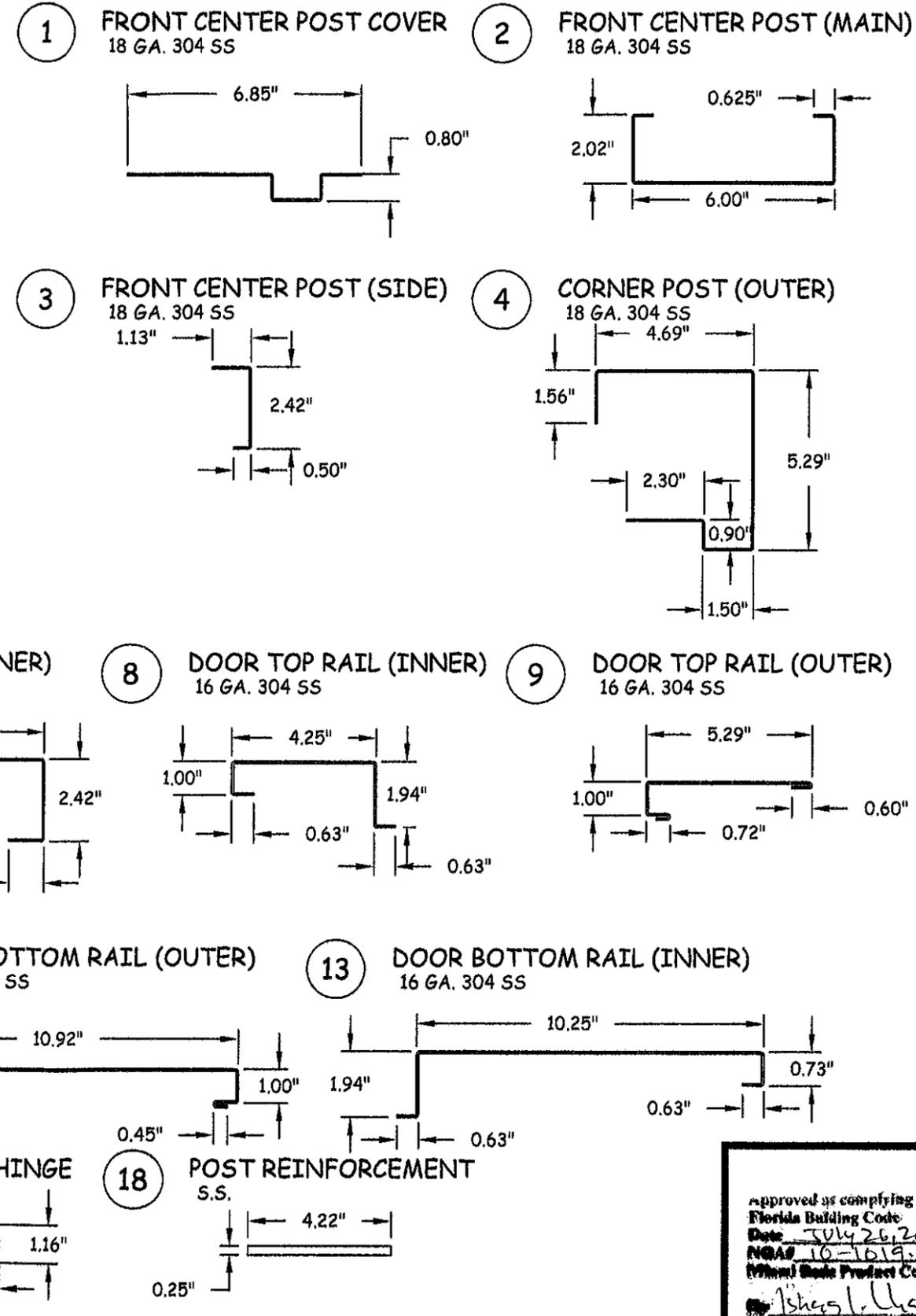
REVISIONS

NO. DESCRIPTION

DATE: 9.24.10
DWN BY: JLA
CHK BY: HFN
SCALE: NTS

DWG #: HSC001
SHEET: 5 OF 8

BILL OF MATERIALS				
ITEM NO.	PART NO.	MATERIAL	DESCRIPTION	MANUFACTURER
1	ECSTN-020	18 GA. 304 SS	FRONT CENTER POST COVER	HAMILTON SAFE
2	ECSTN-017	18 GA. 304 SS	FRONT CENTER POST (MAIN)	HAMILTON SAFE
3	ECSTN-018/019	18 GA. 304 SS	FRONT CENTER POST (WINGS)	HAMILTON SAFE
4	ECSTN-003	18 GA. 304 SS	CORNER POST (OUTER)	HAMILTON SAFE
5	ECSTN-004/016	18 GA. 304 SS	CORNER POST (INNER)	HAMILTON SAFE
6	ECSTN-038/099	18 GA. 304 SS	HEADER (OUTER)	HAMILTON SAFE
7	ECSTN-037/100	18 GA. 304 SS	HEADER (INNER)	HAMILTON SAFE
8	ECSTND-017	16 GA. 304 SS	DOOR TOP RAIL (INNER)	HAMILTON SAFE
9	ECSTND-018	16 GA. 304 SS	DOOR TOP RAIL (OUTER)	HAMILTON SAFE
10	ECSTND-025	16 GA. 304 SS	DOOR STILE (INNER)	HAMILTON SAFE
11	ECSTN-023	16 GA. 304 SS	DOOR STILE (OUTER)	HAMILTON SAFE
12	ECSTND-012	16 GA. 304 SS	DOOR BOTTOM RAIL (OUTER)	HAMILTON SAFE
13	ECSTND-011	16 GA. 304 SS	DOOR BOTTOM RAIL (INNER)	HAMILTON SAFE
14	ECSTN-009/010	16 GA. 304 SS	GLASS CHANNEL	HAMILTON SAFE
15	552S	AL. 6063-T5	THRESHOLD	HAGER
16	-	SS	ROTON HINGE	HAGER
17	DT-1850	SS	ECS LOCK W/ MORTISE CYLINDER	OLYMPIA
18	ECSTN-101	14 GA. 304 SS	POST REINFORCEMENT	HAMILTON SAFE
19	-	EPDM	BULB GASKET (DURO.=70)	MD BUILDING PROD.
20	1129A962	SILICONE	COMPRESSION SEAL (DURO.=60)	MCMMASTER-CARR
21	1115A61	301 SS	POST REINFORCEMENT	MCMMASTER-CARR
22	ECS-CI-002	COMPOSITE UHMW	MOUNTING BLOCK	HAMILTON SAFE
23	-	ALUMINUM	REX 672 TOUCHBAR	LOCKNETICS
24	ECSTN-031	18 GA. 304 SS	BOTTOM RETURN RAIL	HAMILTON SAFE
25	ECSTN-032	18 GA. 304 SS	TOP OUTER RETURN RAIL	HAMILTON SAFE
26	ECSTN-033	18 GA. 304 SS	TOP CENTER RETURN RAIL	HAMILTON SAFE
27	ECSTND-005L/R	16 GA. 304 SS	DOOR TOP END CAP	HAMILTON SAFE
28	ECSTND-006L/R	16 GA. 304 SS	DOOR BOTTOM END CAP	HAMILTON SAFE
29	ECSTN-021/022	14 GA. 304 SS	FRONT CENTER POST END CAP	HAMILTON SAFE
30	ECSTN-039/098	14 GA. 304 SS	HEADER END CAP	HAMILTON SAFE
31	ECSTN-005	14 GA. 304 SS	CORNER POST END CAP	HAMILTON SAFE
32	ECSTND-007	14 GA. 304 SS	LOCK MOUNTING BRACKET	HAMILTON SAFE



Approved as complying with the Florida Building Code
Date: July 26, 2012
NOAS 10-1019-03
Without State Product Control
Isaac L. Leland

6/11/2012 7:57 AM



HAMILTON SAFE CO.
3143 PRODUCTION DR.
FAIRFIELD, OH 45014
PH: (513) 874-3733 FX: (513) 874-3967

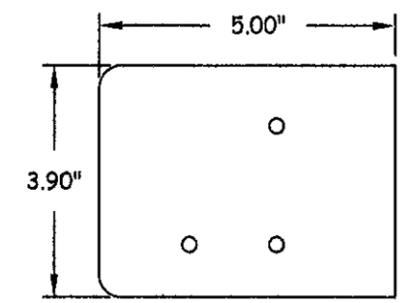
TITLE: ECS-10 OS DOORS W/ POST COMPONENTS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954-399-8478 FX: 954-744-4738

NO.	DESCRIPTION	BY	DATE

Alexis Spyrkou
ALEXIS SPYRKOU
FLORIDA P. E. NO. 88101
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 29578

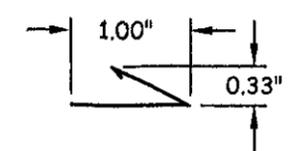
Approved as complying with Florida Building Code Date: <u>July 26, 2012</u> NOA#: <u>16-1019-03</u> Miami Code Product Control <i>Isling I. Chant</i>	DATE: 9.24.10 DWN BY: JLA CHK BY: HFN SCALE: NTS	DWG #: HSC001 SHEET: 6 OF 8
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22 MOUNTING BLOCK
UHMW
1.125" ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE

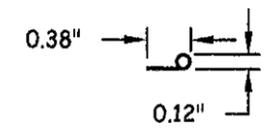


(RETURN RAILS SHOWN ARE UNDER SEPARATE APPROVAL)

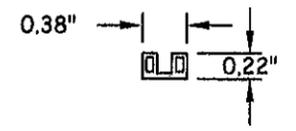
21 WEATHERSTRIPPING
301 S.S.



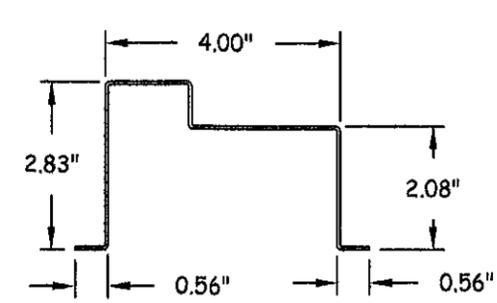
20 COMPRESSION SEAL
SILICONE
DUROMETER=70



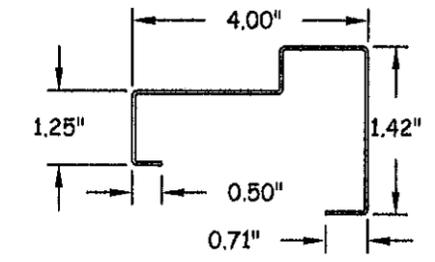
19 BULB GASKET
EPDM
DUROMETER=70



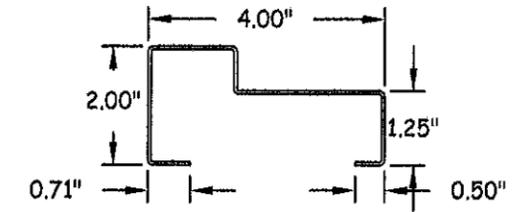
26 TOP CENTER RETURN RAIL
18 GA. 304 SS



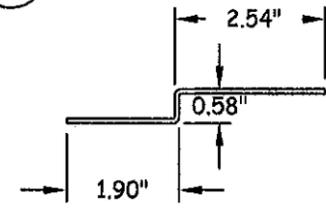
25 TOP OUTER RETURN RAIL
18 GA. 304 SS



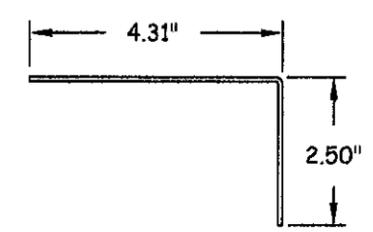
24 BOTTOM RETURN RAIL
18 GA. 304 SS



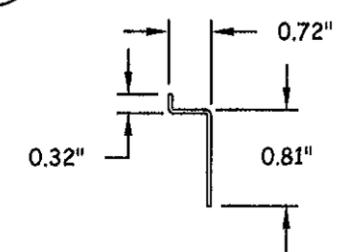
30 HEADER END CAP
14 GA. 304 SS



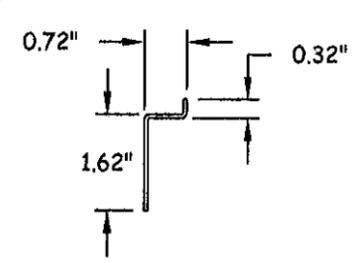
29 FRONT CENTER POST END CAP
14 GA. 304 SS



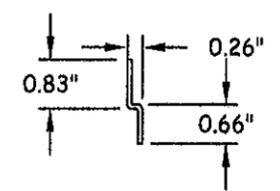
28 DOOR BOTTOM END CAP
16 GA. 304 SS



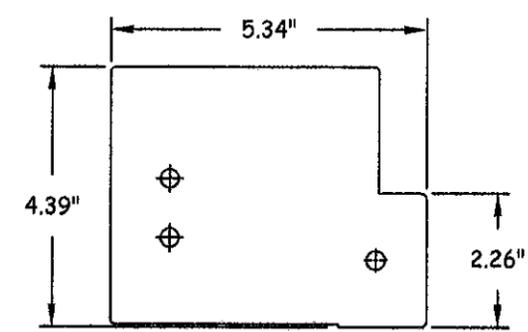
27 DOOR TOP END CAP
16 GA. 304 SS



32 LOCK MOUNTING BRACKET
14 GA. 304 SS



31 CORNER POST END CAP
14 GA. 304 SS

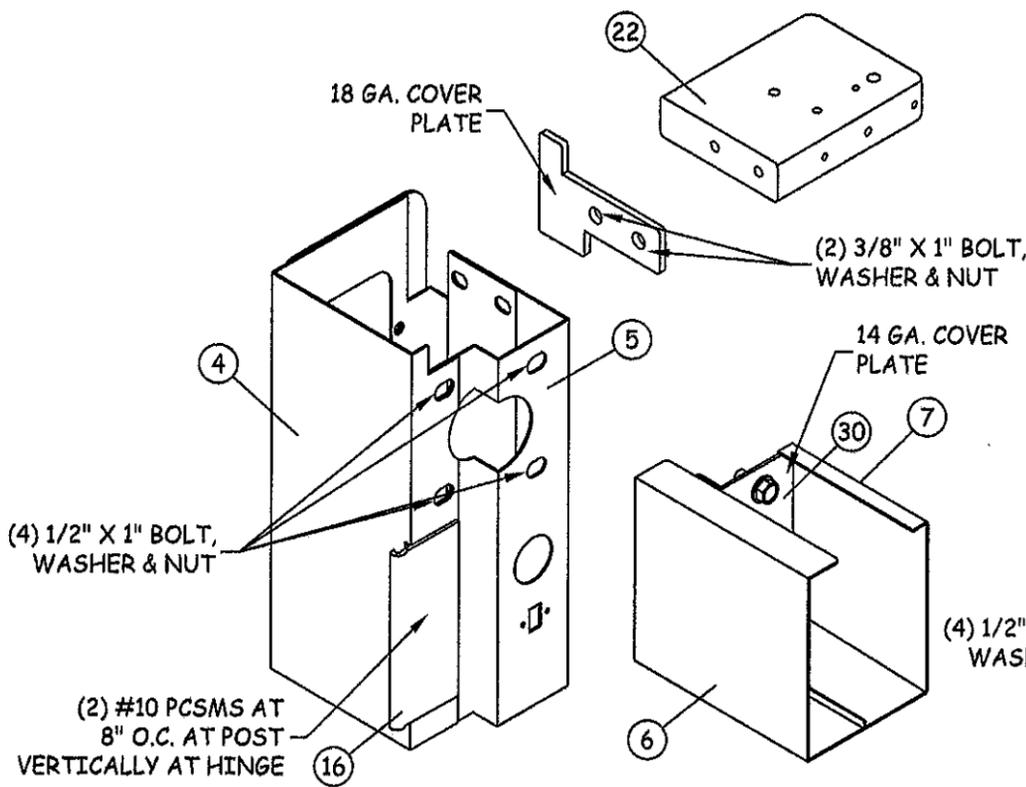


6/11/2012 7:37 AM

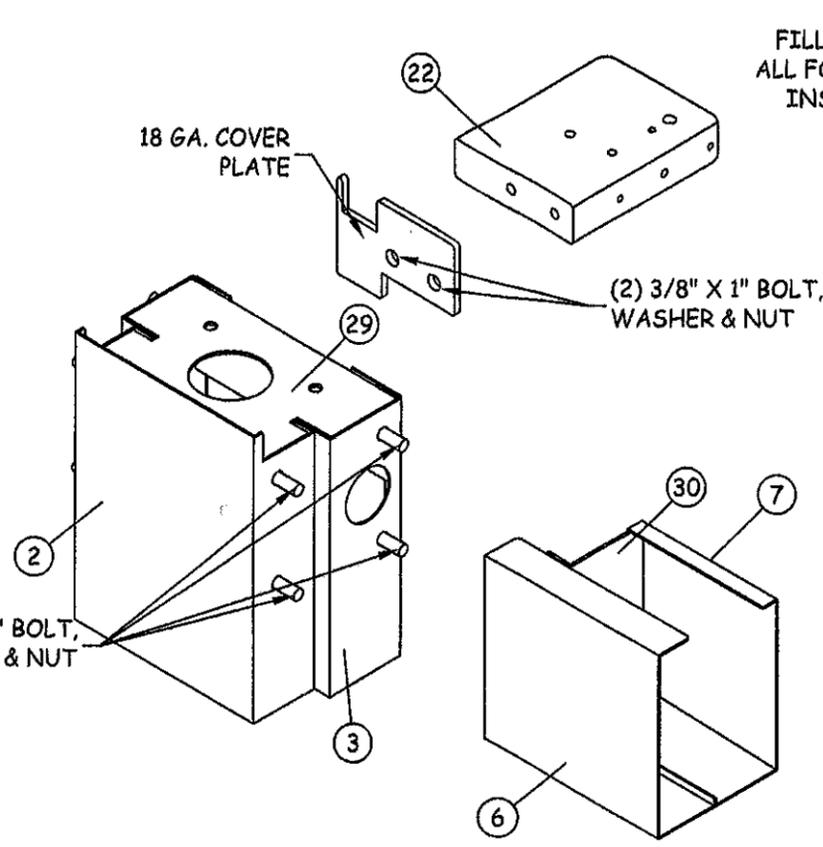
S:\projects\Hamilton safe co\ind-p-09-0825 entrance control system\dwg\hsc001.dwg

HAMILTON SAFE CO.
3143 PRODUCTION DR.
FAIRFIELD, OH 45014
PH: (513) 874-3733 FX: (513) 874-3967

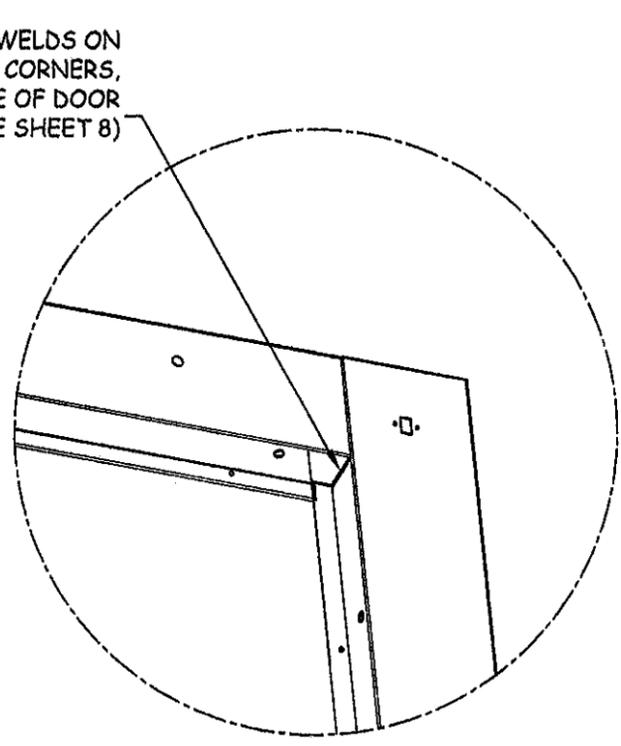
TITLE: ECS-10 OS DOORS W/ POST
CORNER DETAILS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954.399.8478 FX: 954.744.4738



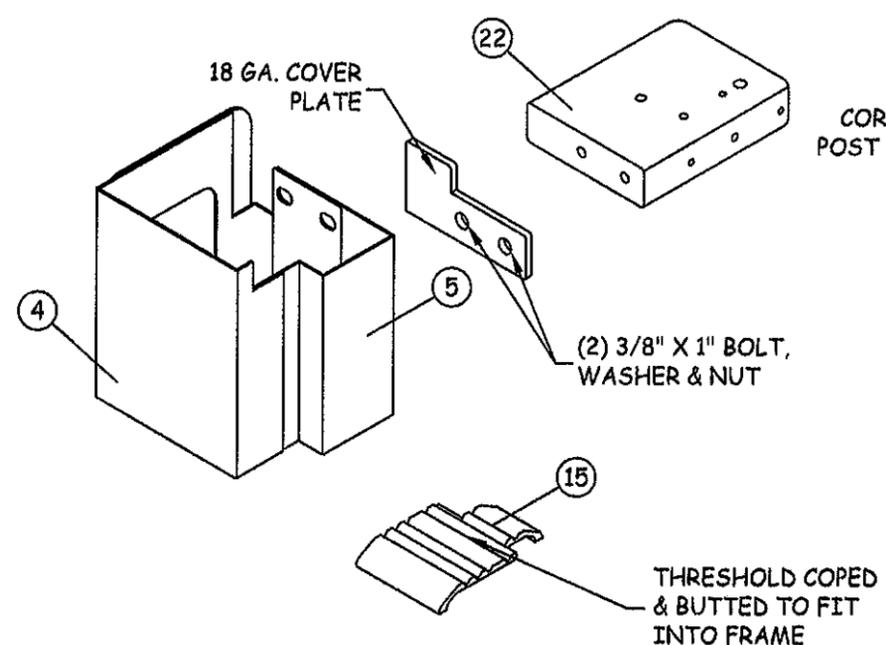
E
7 CORNER DETAIL
TOP CORNER POST



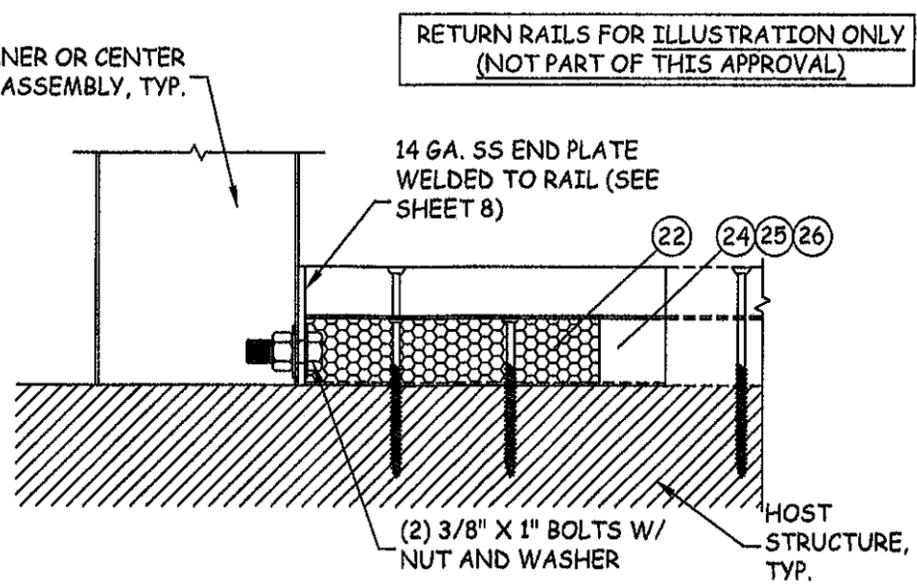
F
7 CORNER DETAIL
TOP CENTER POST



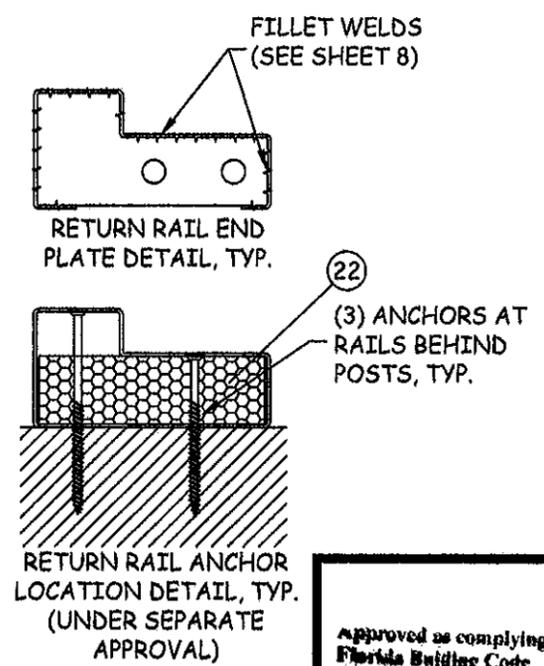
I
7 CORNER DETAIL
DOOR PANEL, TYP.



G
7 CORNER DETAIL
BOTTOM CORNER POST



H
7 RETURN RAIL
TYPICAL RETURN RAIL SECTION



DATE: 9.24.10
DWN BY: JLA
CHK BY: HFN
SCALE: NTS
DWG #: HSC001
SHEET: 7 OF 8

Approved as complying with the Florida Building Code
Date: July 26, 2012
NDA# 10-1019-03
Miami State Product Control
By: [Signature]

REVISIONS

NO.	DESCRIPTION	BY	DATE

ALEXIS SPYROU
FLORIDA P. E. NO. 88101
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 29578

6-13-12

6/11/2012 7:47 AM

S:\projects\Hamilton safe\cad\p-09-0825 entrance control system\large\hsc001.dwg



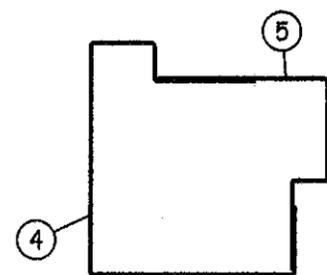
HAMILTON SAFE CO.
3143 PRODUCTION DR.
FAIRFIELD, OH 48014
PH: (513) 874-3733 FX: (513) 874-3967

TITLE: ECS-10 OS DOORS W/ POST WELD DETAILS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: 954-399-8478 FX: 954-744-4738

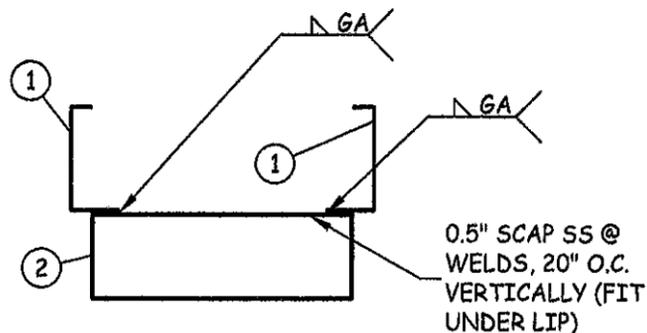
NO.	DESCRIPTION	BY	DATE

6-13-12
ALEXIS SPYROU
FLORIDA P. E. NO. 68101
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 29578

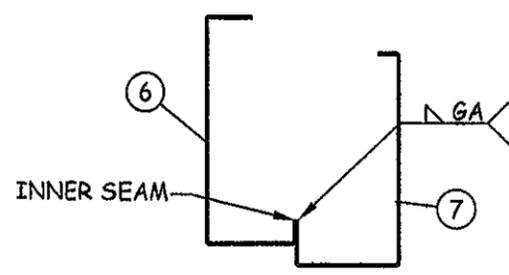
DATE: 9.24.10	DWN BY: JLA	CHK BY: HFN	SCALE: NTS
DWG #: HSC001			
SHEET: 8 OF 8			



CORNER POST, TYP.

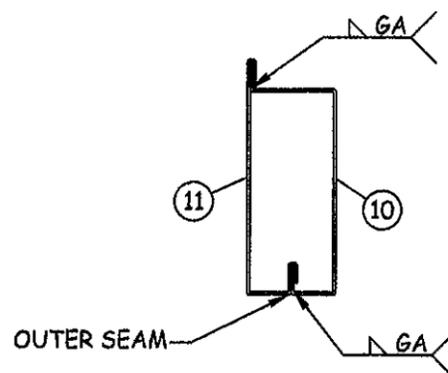


FRONT CENTER POST, TYP.



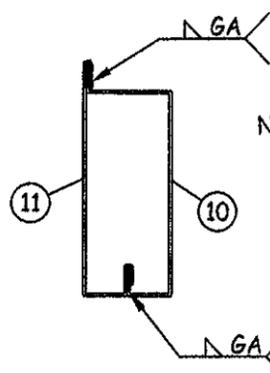
FRAME HEADER, TYP.

NOTES:
1. WELDS DEPICTED EQUALLY SPACED AT INNER SEAM (5 TOTAL)



HINGE STILE, TYP.

NOTES:
1. WELDS DEPICTED AT ENDS ONLY (2 EACH END)
2. ADDITIONALLY, (9) PLUG WELDS AT 10" O.C. ALONG GLAZING LEG SPAN.
3. 3/16" X 1" LONG FILLET WELDS ALONG OUTER SEAM, (2) 6" O.C. EACH END & (2) 24" MAX. O.C. (6 TOTAL)

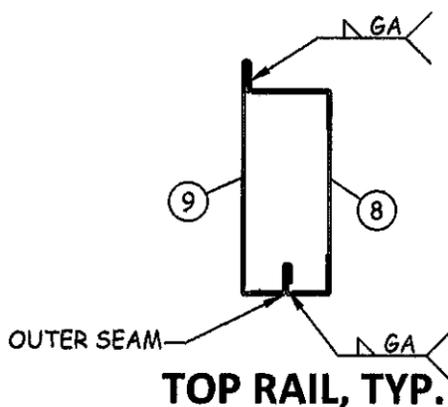


STRIKE STILE, TYP.

NOTES:
1. WELDS DEPICTED AT ENDS ONLY (2 EACH END)
2. ADDITIONALLY, (9) PLUG WELDS AT 10" O.C. ALONG GLAZING LEG SPAN.

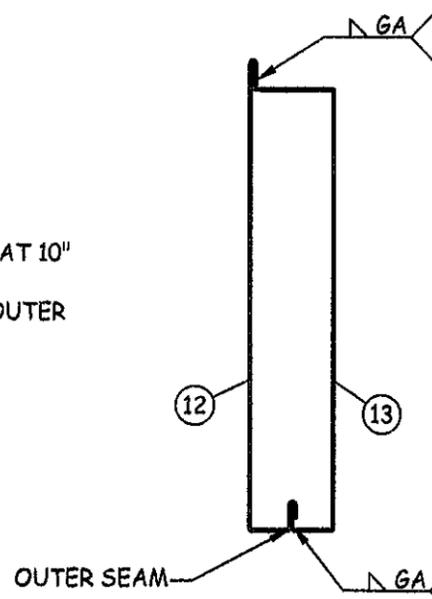
WELD NOTES

1. ALL WELDS MUST ADHERE TO AWS STANDARDS.
2. ALL WELDS DONE BY MANUFACTURER BEFORE INSTALLATION IN FIELD.
3. ALL WELDS SHALL BE TIG WELDS (GAS TUNGSTEN-ARC WELD, GTAW)
4. TYPICAL WELDING AMPERAGE=200 AMPS
5. WELDS AT ENDS ATTACH END PLATES
6. ELECTRODE STRENGTH: 70XX



TOP RAIL, TYP.

NOTES:
1. WELDS DEPICTED AT ENDS ONLY (6 EACH END)
2. ADDITIONALLY, (3) PLUG WELDS AT 10" O.C. ALONG GLAZING LEG SPAN.
3. 3/16" X 1" FILLET WELDS ALONG OUTER SEAM 8.50" MAX. O.C. (4 TOTAL)



BOTTOM RAIL, TYP.

NOTES:
1. WELDS DEPICTED AT ENDS ONLY (10 EACH END)
2. ADDITIONALLY, (3) PLUG WELDS AT 10" O.C. ALONG GLAZING LEG SPAN.
3. 3/16" X 1" FILLET WELDS ALONG OUTER SEAM 8.50" MAX. O.C. (4 TOTAL)

Approved as complying with the Florida Building Code
Date: 9/26/2012
NOA# 10-1619-03
Miami Dade Product Control
By: Ishag I. Chan