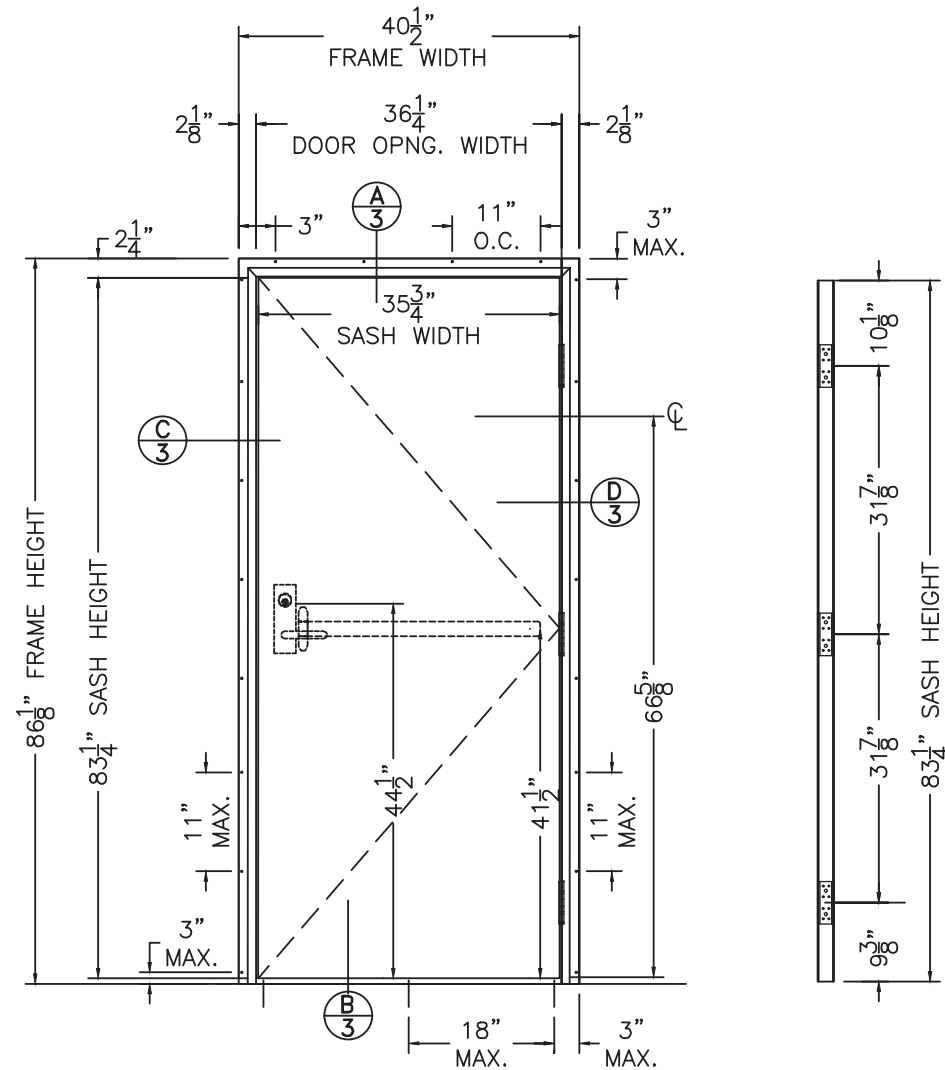


DOORS ARE RATED FOR IMPACT, WIND ZONE 4, MISSILE LEVEL D IN THE WIND BORNE DEBRIS REGION EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

INSTALLATION OF THIS PRODUCT IN A WINDOW BORNE DEBRIS REGION AREA DOES NOT REQUIRE THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH THE FBC REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.



"TELSTAR" OUTSWING SINGLE STEEL DOORS (X)

"TELSTAR/TIOGA/SPARTAN" OUTSWING STEEL DOOR SYSTEM

APPROVAL APPLIES TO SINGLE (X) LEAF DOORS WITHOUT SIDELITES.

DOORS NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION FLORIDA BUILDING CODE EXCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT EDITION FLORIDA BUILDING CODE.

MANUFACTURER'S LABEL SHALL COMPLY WITH AND BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH THE 6TH EDITION (2017) FLORIDA BUILDING CODE.

NOTE:
EGRESS REQUIREMENTS TO BE REVIEWED BY AHJ.

A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.O.
 B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
 C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
 D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
 E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

PERFORMANCE RATING	
DESIGN PRESSURE RATING	IMPACT RATING
+/- 50 PSF	LARGE MISSILE IMPACT WIND ZONE 4 MISSILE LEVEL D
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED INCLUDING BUT NOT LIMITED TO AREAS WITH OVERHANGS MEETING CURRENT EDITION FLORIDA BUILDING CODE REQUIREMENT OF OVERHANG LENGTH/OVERHANG HEIGHT ≥ 1.0.	

TELL MANUFACTURING, INC.
18 RICHARD DRIVE, LITITZ, PA 17543

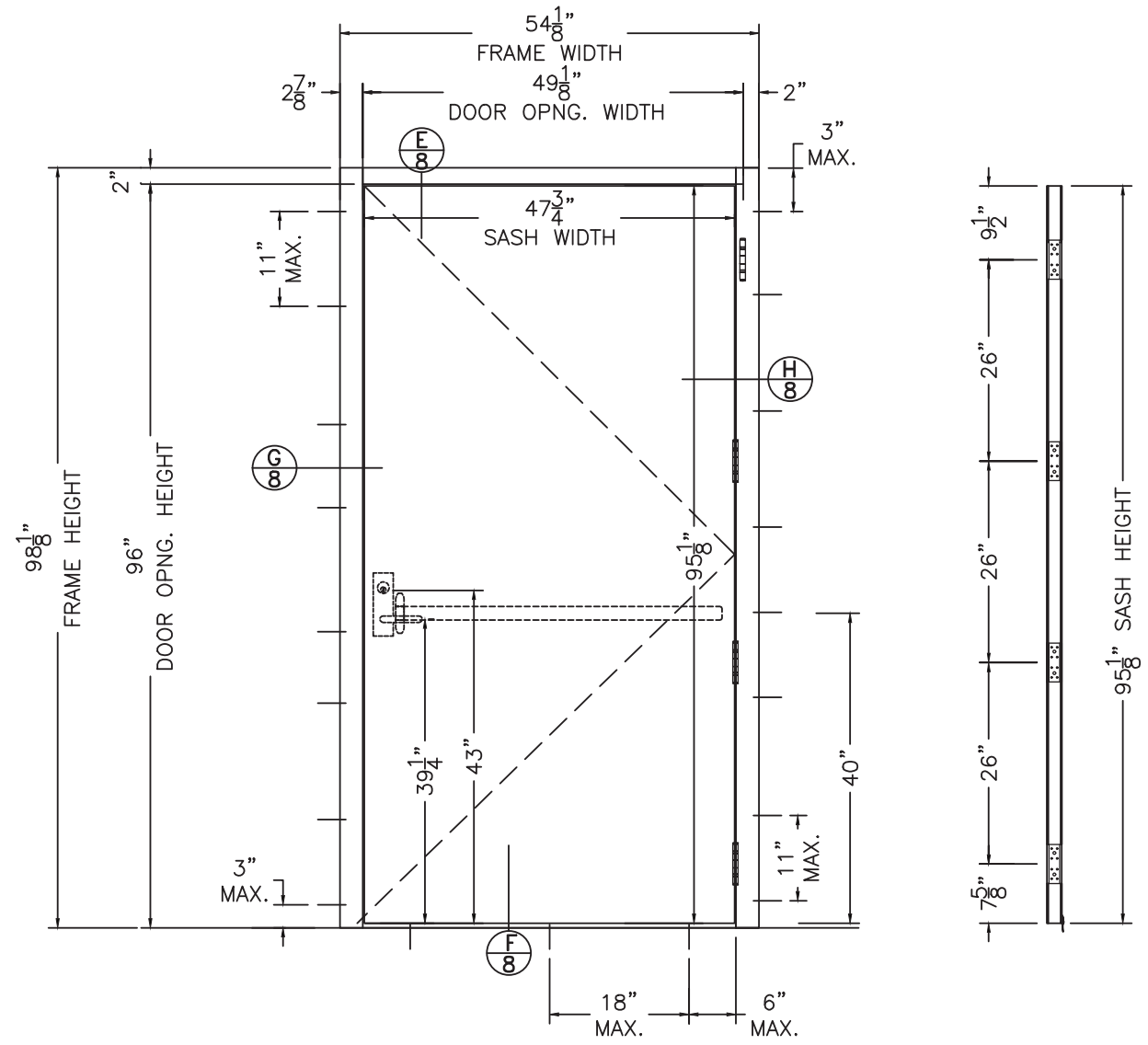
TELL MFG
Spectrum Brands | Hardware & Home Improvement

THIS DOCUMENT IS THE PROPERTY OF SPECTRUM BRANDS, INC. AND/OR ITS AFFILIATES. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRETS PROPRIETARY TO SPECTRUM BRANDS. NEITHER THIS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON, COPIED, OR PUBLISHED WITHOUT SPECTRUM BRANDS' PRIOR WRITTEN CONSENT.

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

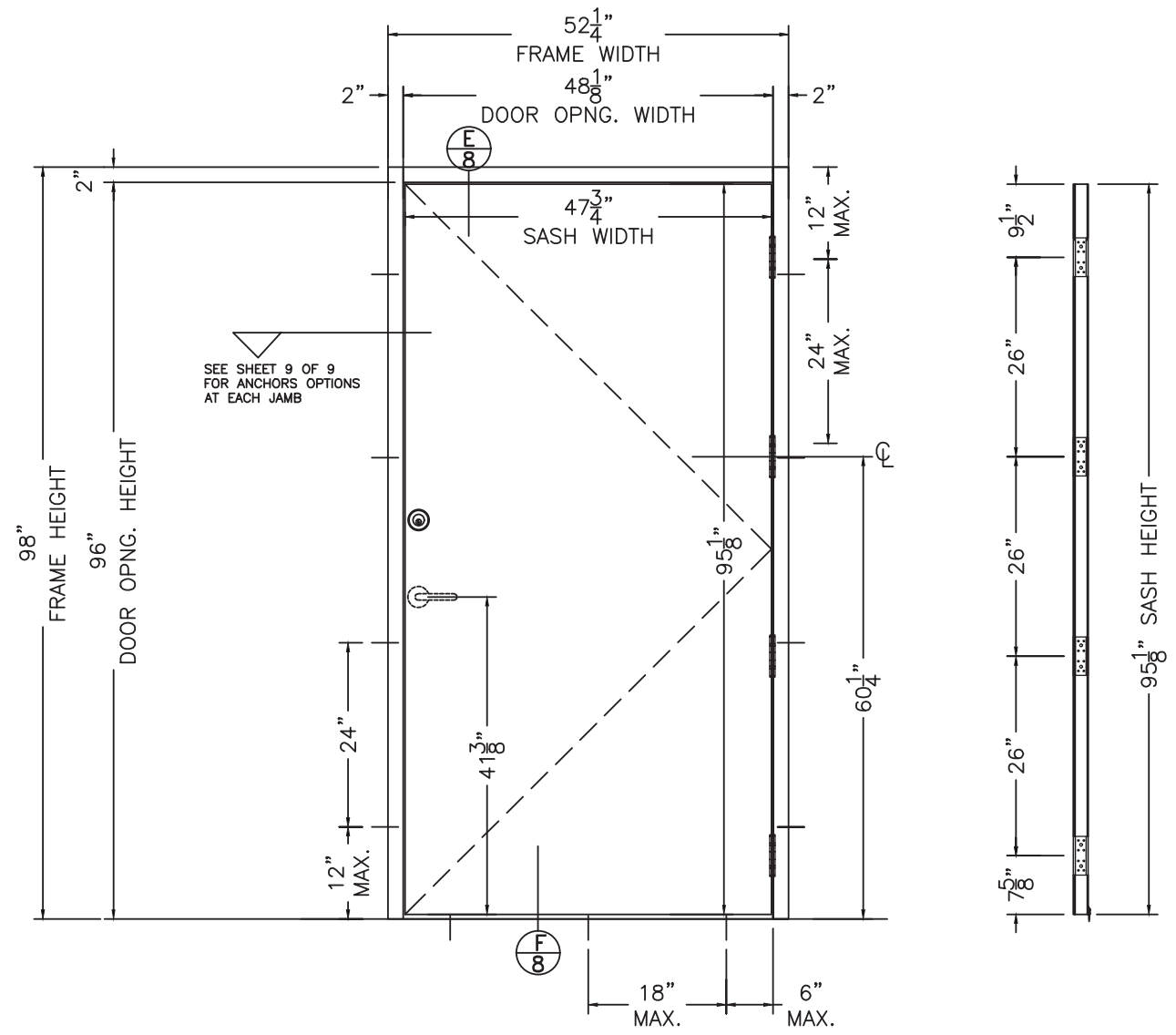
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 | LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Phone: 321.690.1788 | Email: info@ptc-corp.com

DRAFTER	DATE	TELL DOORS & WINDOWS, LLC. 6535 GUHN RD, STE 100, HOUSTON, TX 77040	
CHECKED	DATE	TITLE "TELSTAR/TIOGA/SPARTAN" DS STEEL DOORS SYSTEM-IMPACT	
ENGINEER	DATE	SIZE B	DWG NO 15-35L
APPROVED R.J.A.	DATE 10/17/23	RELEASE STATE FINAL	REV B
THIRD ANGLE PROJECTION 	SCALE 1/2"=1'-0"	SHEET 1 OF 9	



"TIOGA/SPARTAN" OUTSWING SINGLE STEEL DOORS (X)

PERFORMANCE RATING	
DESIGN PRESSURE RATING	IMPACT RATING
+/- 75 PSF	LARGE MISSILE IMPACT WIND ZONE 4 MISSILE LEVEL D
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED INCLUDING BUT NOT LIMITED TO AREAS WITH OVERHANGS MEETING CURRENT EDITION FLORIDA BUILDING CODE REQUIREMENT OF OVERHANG LENGTH/OVERHANG HEIGHT ≥ 1.0.	



"TIOGA/SPARTAN" OUTSWING SINGLE STEEL DOORS (X)

PERFORMANCE RATING	
DESIGN PRESSURE RATING	IMPACT RATING
+/- 50 PSF	LARGE MISSILE IMPACT WIND ZONE 4 MISSILE LEVEL D
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED INCLUDING BUT NOT LIMITED TO AREAS WITH OVERHANGS MEETING CURRENT EDITION FLORIDA BUILDING CODE REQUIREMENT OF OVERHANG LENGTH/OVERHANG HEIGHT ≥ 1.0.	

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 | LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Phone: 321.690.1788 | Email: info@ptc-corp.com

TELL MANUFACTURING, INC.
18 RICHARD DRIVE, LITITZ, PA 17543



THIS DOCUMENT IS THE PROPERTY OF SPECTRUM BRANDS, INC. AND/OR ITS AFFILIATES. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRETS PROPRIETARY TO SPECTRUM BRANDS. NEITHER THIS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON, COPIED, OR PUBLISHED WITHOUT SPECTRUM BRANDS' PRIOR WRITTEN CONSENT.

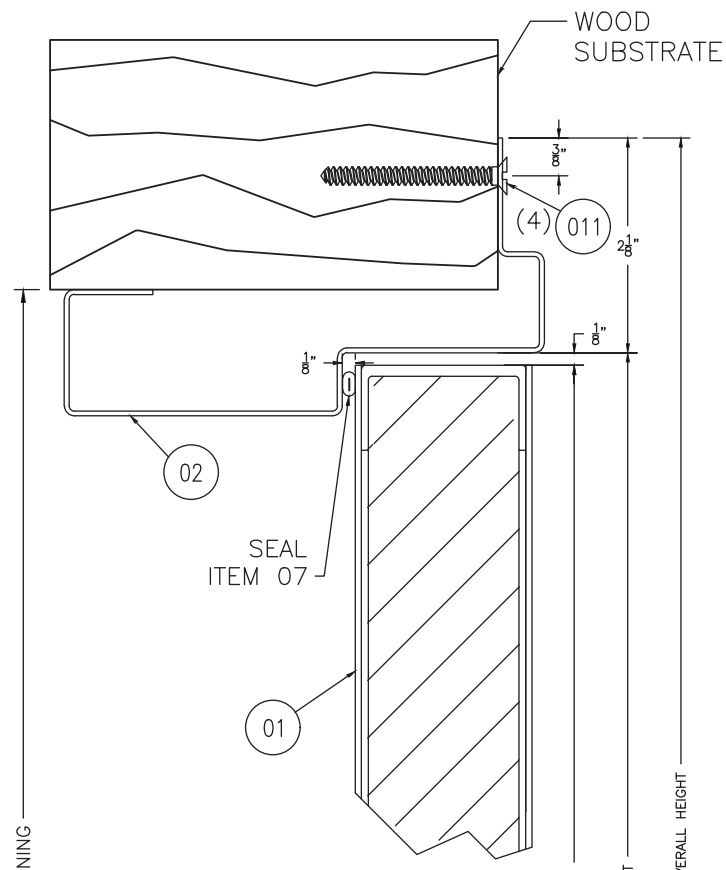
DRAFTER	DATE
CHECKED	DATE
ENGINEER	DATE
APPROVED R.J.A.	DATE 10/17/23

TELL DOORS & WINDOWS, LLC. 6535 GUHN RD, STE 100, HOUSTON, TX 77040	
TITLE "TELSTAR/TIOGA/SPARTAN" OS STEEL DOORS SYSTEM-IMPACT	
SIZE B	DWG NO 15-35L
RELEASE STATE FINAL	REV B

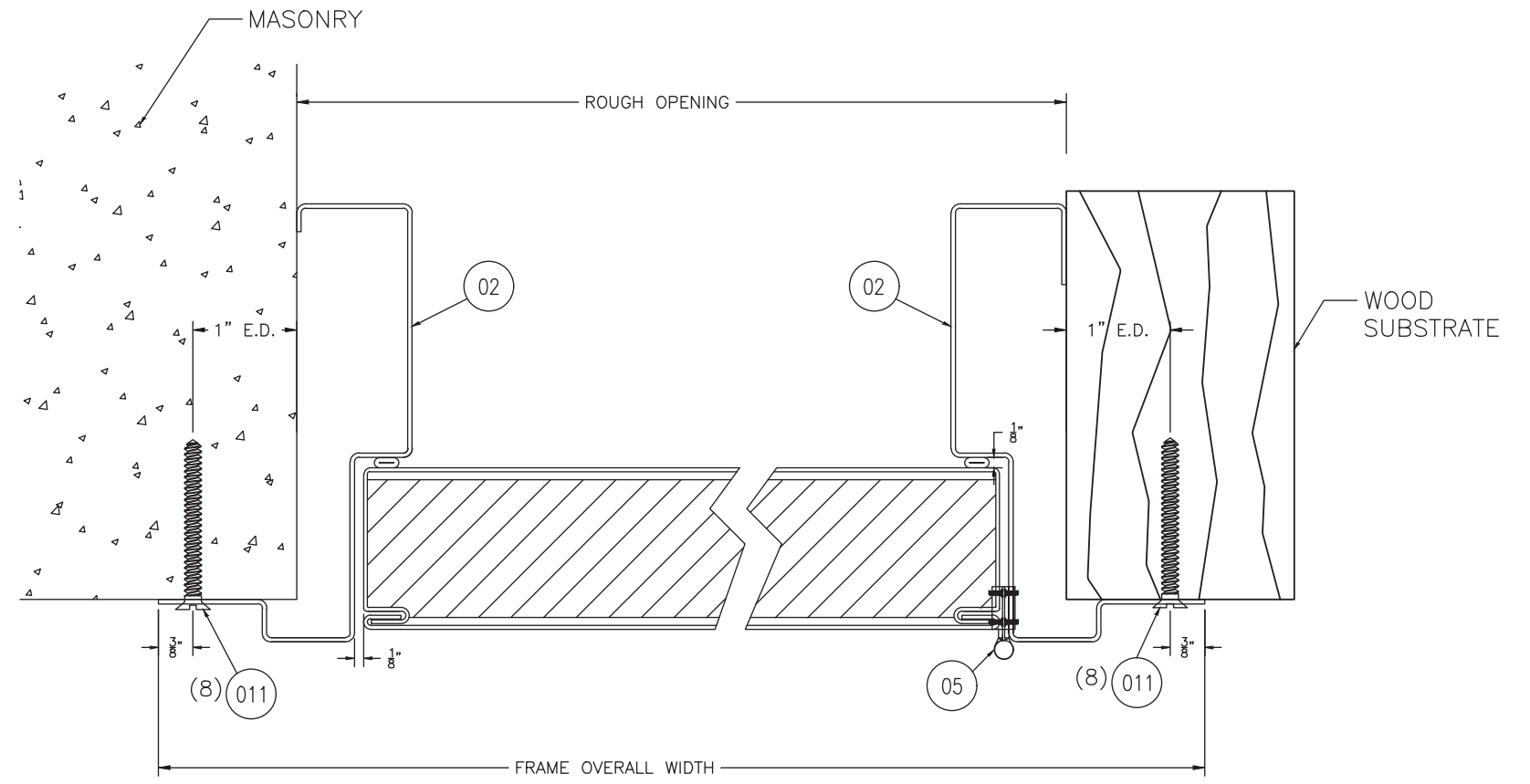
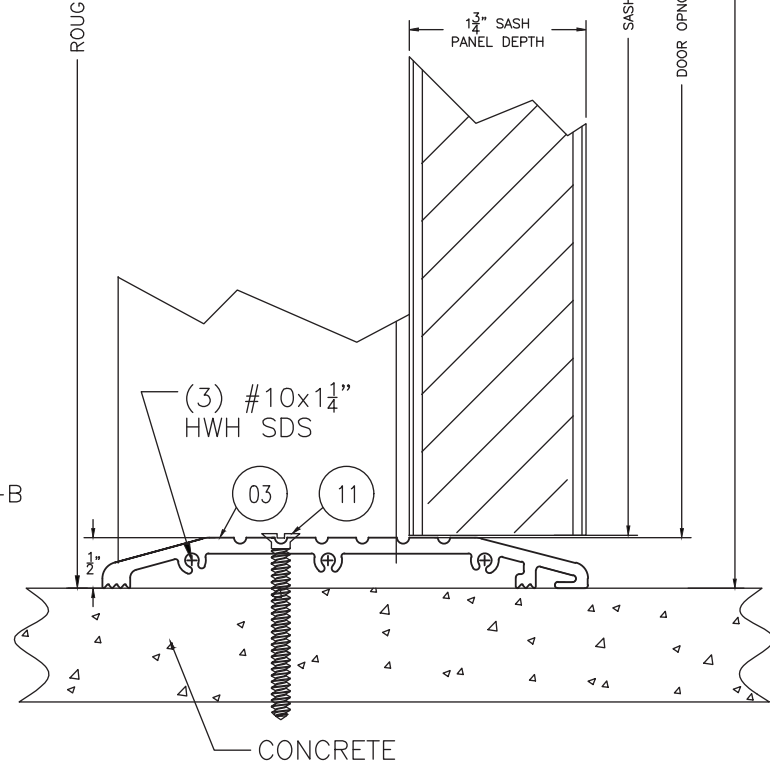
THIRD ANGLE PROJECTION

SCALE 1/2"=1'-0" &bhc_pn_note
SHEET 2 OF 9

SECTION A-A



SECTION B-B



SECTION C-C

SECTION D-D

TYPICAL ANCHORS AT HEAD/JAMB/SILL:

#8 DIA. SMS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

3/16" DIA. ITW TAPCON (Fu=125 KSI, Fy=100 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

DIRECTLY INTO fc'=3000 PSI CONCRETE, 1" MIN. EDGE DIST.
1" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL)

3/16" DIA. ELCO ULTRACON (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

DIRECTLY INTO fc'=3000 PSI CONCRETE, 1" MIN. EDGE DIST.

DIRECTLY INTO fc'=2000 PSI MASONRY BLOCK, 1" MIN. EDGE DIST.

1-3/8" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL)

1-1/4" MIN. EMBED INTO GROUT FILLED BLOCK (JAMBS)

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 | LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Phone: 321.690.1788 | Email: info@ptc-corp.com

TELL MANUFACTURING, INC.
18 RICHARD DRIVE, LITITZ, PA 17543

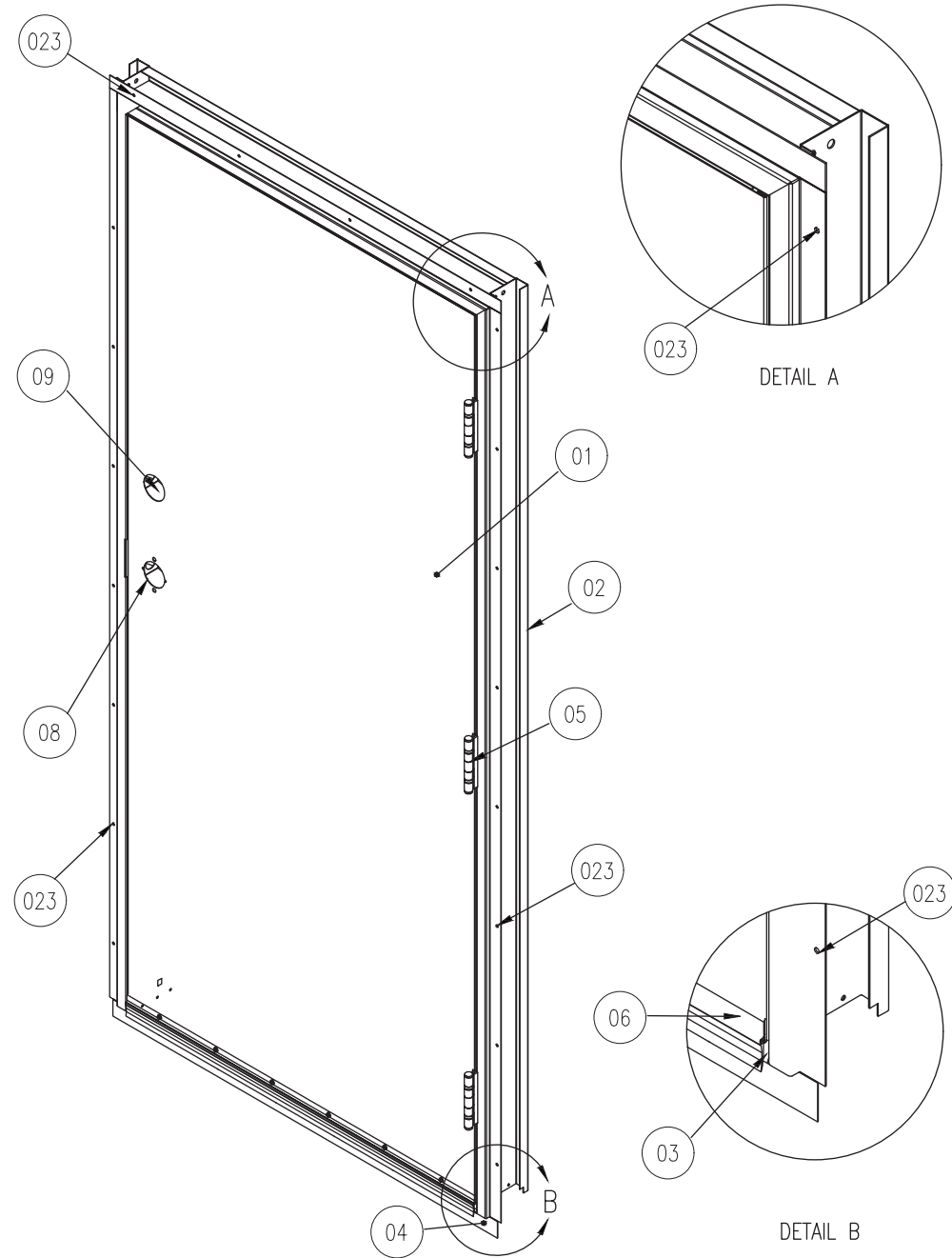
TELL MFG

Spectrum Brands

Hardware & Home Improvement

THIS DOCUMENT IS THE PROPERTY OF SPECTRUM BRANDS, INC AND/OR ITS AFFILIATES. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRETS PROPRIETARY TO SPECTRUM BRANDS. NEITHER THIS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON, COPIED, OR PUBLISHED WITHOUT SPECTRUM BRANDS' PRIOR WRITTEN CONSENT.

DRAFTER	DATE	TELL DOORS & WINDOWS, LLC. 6535 GUHN RD, STE 100, HOUSTON, TX 77040	
CHECKED	DATE	TITLE "TELSTAR/TIOGA/SPARTAN" DS STEEL DOORS SYSTEM-IMPACT	
ENGINEER	DATE	SIZE B	DWG NO 15-35L
APPROVED R.J.A	DATE 10/17/23	RELEASE STATE FINAL	REV B
THIRD ANGLE PROJECTION 		SCALE 1/2"=1'-0" &bhc_pn_note	SHEET 3 OF 9



ITEM No.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
01	MMD20102	DHM 3068 20GA 161 DB	-	1
02	MMD30302	TELSTAR DOOR FRAME HEADER/JAMBS 2.76" x 4.75" x 0.054" THK. 16GA	GALVANNEAL STEEL	1
03	MMD10202	THRESHOLD 0.53" x 4.80" x 0.152" THK. 36" TP	6063-T5 ALUMINUM	1
04	MMD40103	FLASHING STRIP 36" TP	-	1
05	HG100034	HINGE 4-1/2" x 4-1/2"	GALVANNEAL STEEL	3
06	MMD10203	DOOR SWEEP 0.61" x 1.35" x 0.083" THK. TP 35.75"	6063-T6 ALUMINUM	1
07	MD100120	WEATHER STRIP LP1153 (16')	GALVANNEAL STEEL	2
08	-	8300 SERIES HEAVY DUTY COMMERCIAL GRADE 1 RIM PANIC W/ KEYED ESCUTCHEON TRIM	STAINLESS STEEL	1
09	-	KEYED LOCK	-	1
011	MSD10006 MSD10033	2 PART ADHESIVE, REZ-CURE EP882 BY INNOVATIVE RASIN SYSTEM, INC.	EPOXY RASIN	2
012	-	STRIKE PLATE	-	1
013	MSD41065	BOTTOM DOOR SKIN 0.40" x 1.72" x .034" THK.	GALVANNEAL STEEL	-
014	MSD41065	TOP DOOR SKIN 0.18" x 0.24" x .035" THK.	GALVANNEAL STEEL	-
015	MMD10205	TOP CAP 0.70" x 1.54" x .038" THK.	GALVANNEAL STEEL	-
016	MSD10223	DOOR CHANNEL 0.80" x 1.67" x .053" THK.	GALVANNEAL STEEL	-
017	MMD10043	DOOR CLOSER REINFORCEMENT 7.00" x 19.50" x 0.070" THK. (15GA) STEEL SHEET	GALVANNEAL STEEL	2
018	MSD10005	FOAM CORE 44.00" x 91.00" x 1.688" THK. - 0.733 LB/FT ³ DENSITY	POLYSTYRENE FOAM	1
019	MSD10027	HINGE REINFORCEMENT 1.25" x 10.00" x 0.180" THK.	COLD ROLLED STEEL	-
020	MSD10091	CYLINDRICAL LOCK REINFORCEMENT 1.65" x 6.69" x 3.80" x 0.054" THK.	COLD ROLLED STEEL	2
021	-	DUST COVER 0.61" x 1.35" x 0.083" THK.	6063-T6 ALUMINUM	-
022	-	#8 x 3/4" PHILLIPS WAFER PAN HEAD SELF DRILLING SCREWS	STEEL	8
023	-	3/16"Ø ITW BUILDTEX TAPCON OR ELCO ULTRACON ANCHORS	STEEL	23

DR 3068 PRO DB RHR W/ 10" X 10" OW

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



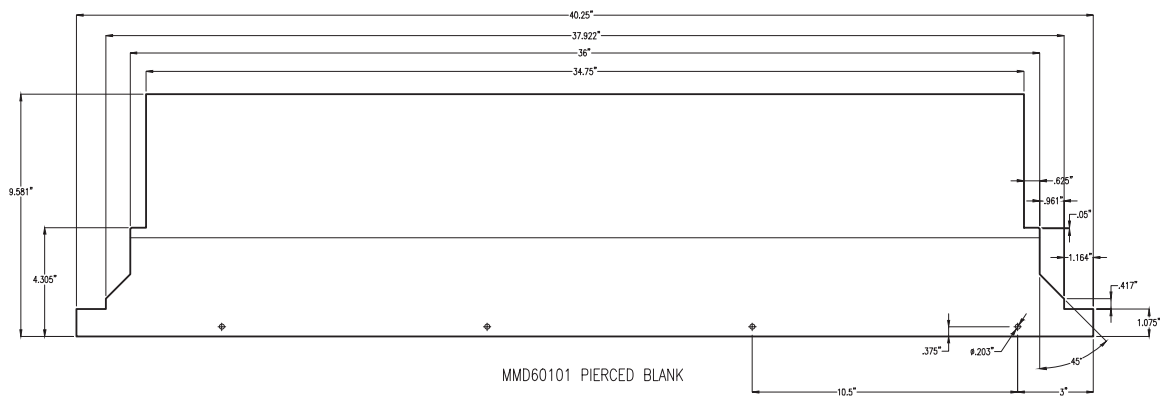
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 | LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Phone: 321.690.1788 | Email: info@ptc-corp.com

TELL MANUFACTURING, INC.
18 RICHARD DRIVE, LITITZ, PA 17543

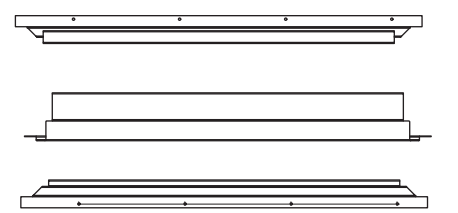
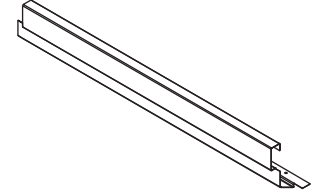


THIS DOCUMENT IS THE PROPERTY OF SPECTRUM BRANDS, INC AND/OR ITS AFFILIATES. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRETS PROPRIETARY TO SPECTRUM BRANDS. NEITHER THIS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON, COPIED, OR PUBLISHED WITHOUT SPECTRUM BRANDS' PRIOR WRITTEN CONSENT.

DRAFTER	DATE	TELL DOORS & WINDOWS, LLC. 6535 GUHN RD, STE 100, HOUSTON, TX 77040	
CHECKED	DATE	TITLE "TELSTAR/TIOGA/SPARTAN" DS STEEL DOORS SYSTEM-IMPACT	
ENGINEER	DATE	SIZE B	DWG NO 15-35L
APPROVED R.J.A	DATE 10/17/23	RELEASE STATE FINAL	REV B
THIRD ANGLE PROJECTION 	SCALE 1/2"=1'-0"	SHEET 4 OF 9	

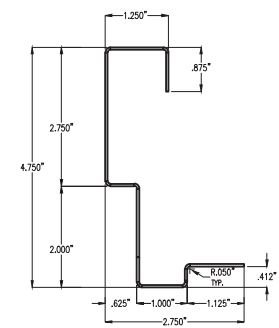


MMD60101 PIERCED BLANK

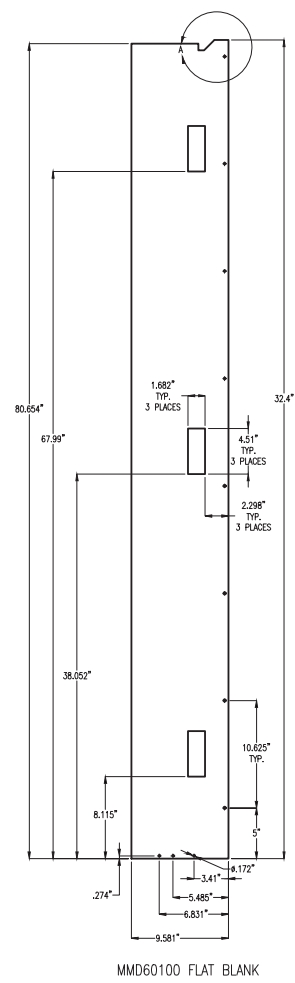


MMD40101 FORMED CHANNEL

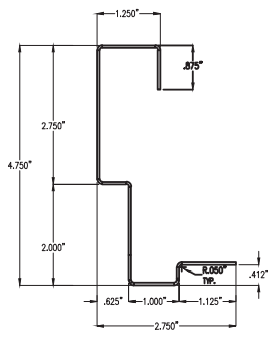
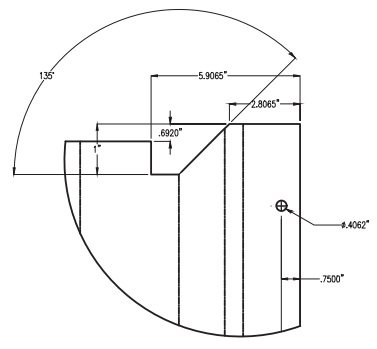
TELSTAR HEADER



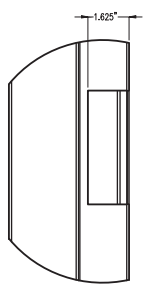
FORMED CHANNEL SECTION



MMD60100 FLAT BLANK

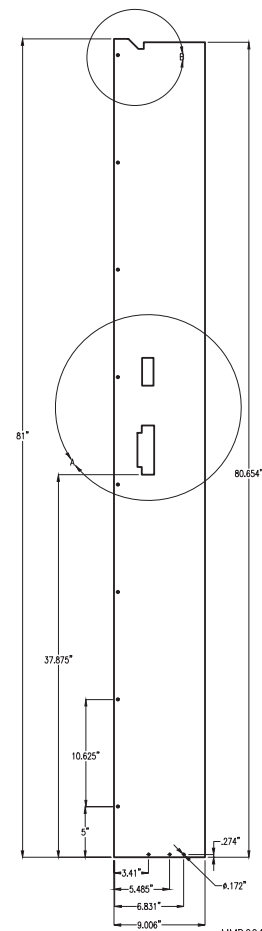


CHANNEL SECTION

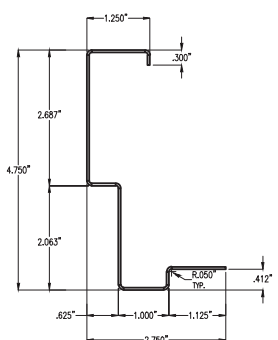
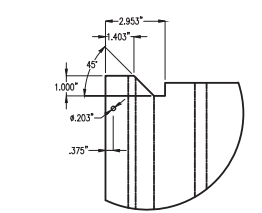


MMD50101 FORMED CHANNEL

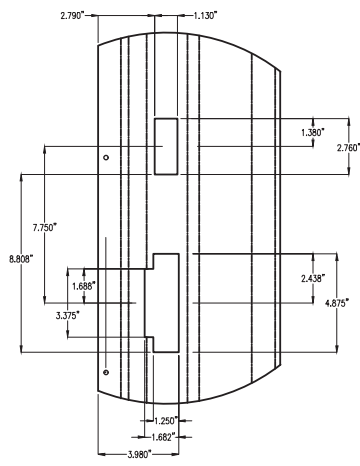
TELSTAR HINGE JAMB



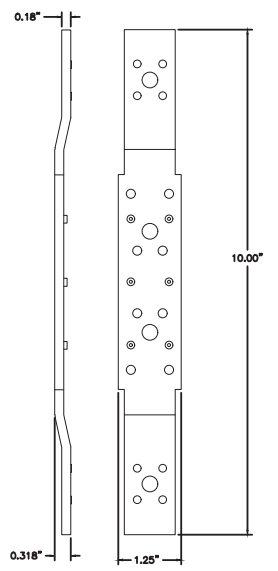
MMD60102 PIERCED FLAT BLANK



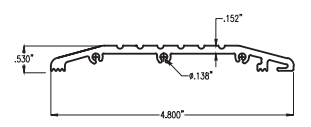
FORMED CHANNEL SECTION



TELSTAR LOCK JAMB



HINGE REINFORCEMENT DOOR AND FRAME 7 GA



TELSTAR THRESHOLD

MMD10202 6063-T5 ALUM. ALLOY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 | LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Phone: 321.690.1788 | Email: info@ptc-corp.com

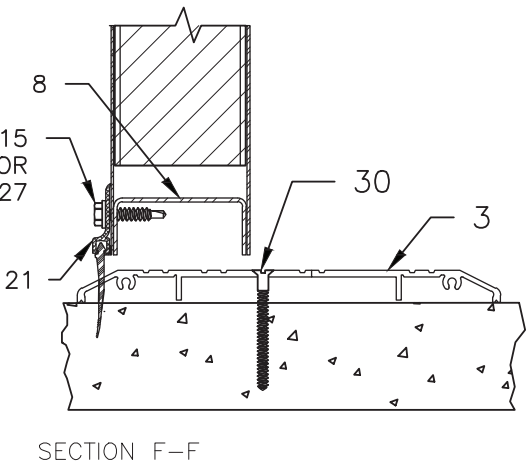
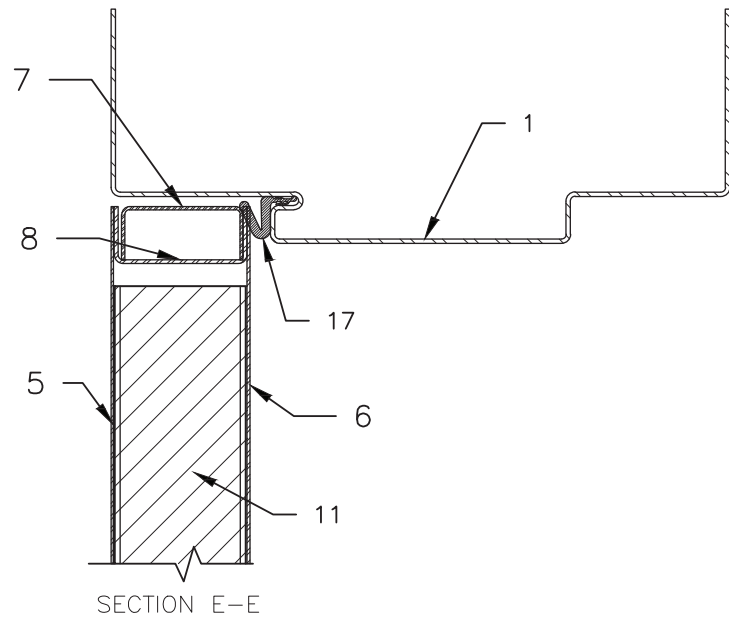
TELL MANUFACTURING, INC.
18 RICHARD DRIVE, LITITZ, PA 17543

TELL MFG
Spectrum Brands | Hardware & Home Improvement

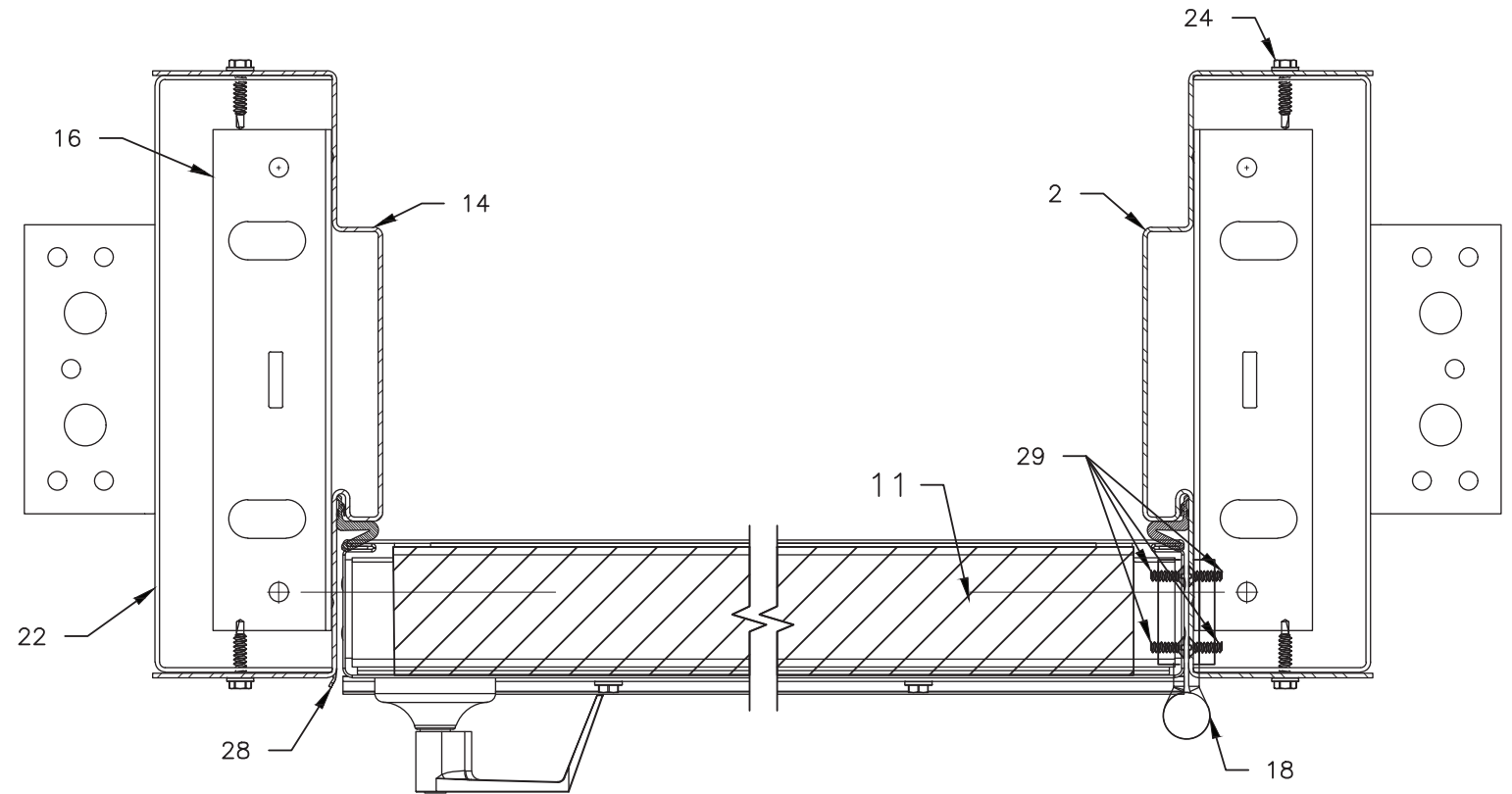
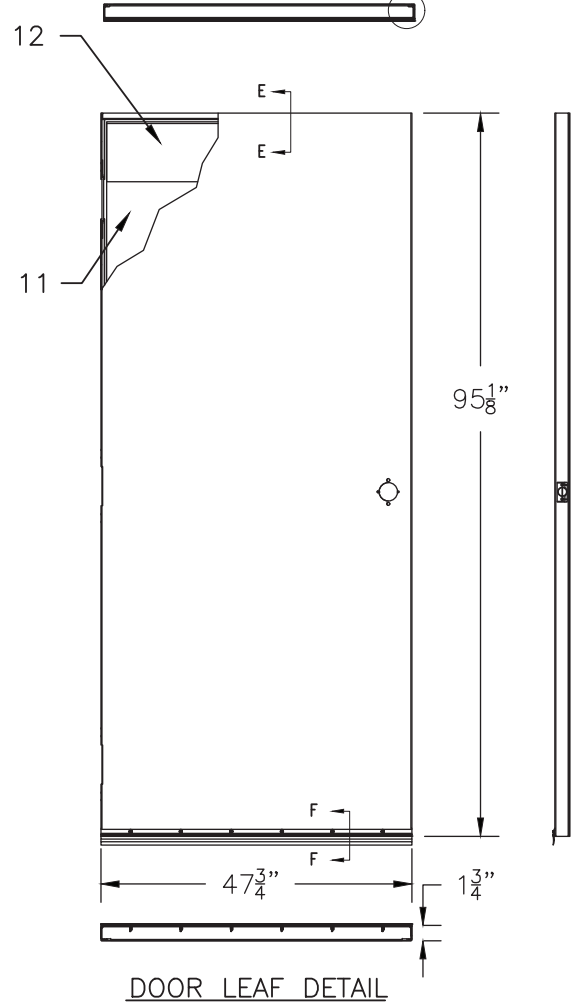
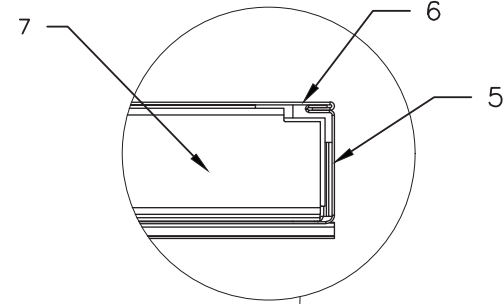
THIS DOCUMENT IS THE PROPERTY OF SPECTRUM BRANDS, INC AND/OR ITS AFFILIATES. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRETS PROPRIETARY TO SPECTRUM BRANDS. NEITHER THIS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON, COPIED, OR PUBLISHED WITHOUT SPECTRUM BRANDS' PRIOR WRITTEN CONSENT.

DRAFTER	DATE	TELL DOORS & WINDOWS, LLC. 6535 GUHN RD, STE 100, HOUSTON, TX 77040	
CHECKED	DATE	TITLE "TELSTAR/TIOGA/SPARTAN" DS STEEL DOORS SYSTEM-IMPACT	
ENGINEER	DATE	SIZE B	DWG NO 15-35L
APPROVED R.J.A	DATE 10/17/23	RELEASE STATE	REV B
THIRD ANGLE PROJECTION		SCALE 1/2"=1'-0"	ITER 5 OF 9

FINAL



VERTICAL CROSS SECTION



SECTION G-G

SECTION H-H

HORIZONTAL CROSS SECTION

Robert J. Amoruso, P.E.
 Florida P.E. No. 49752

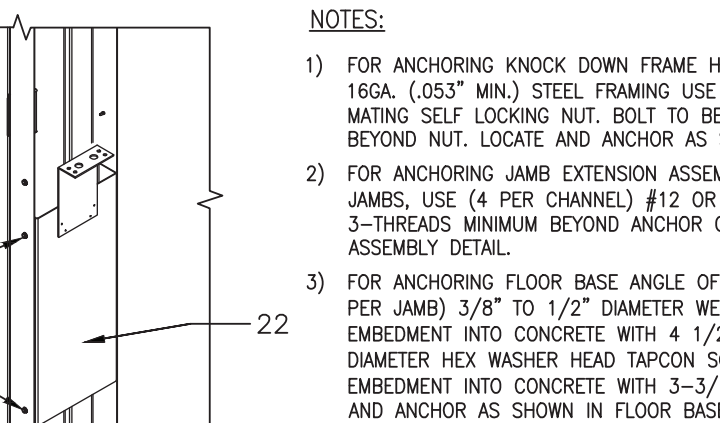
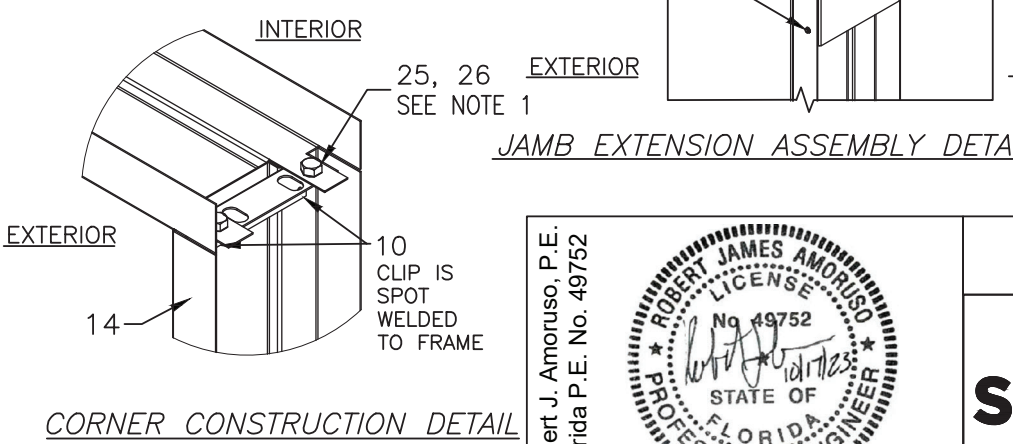
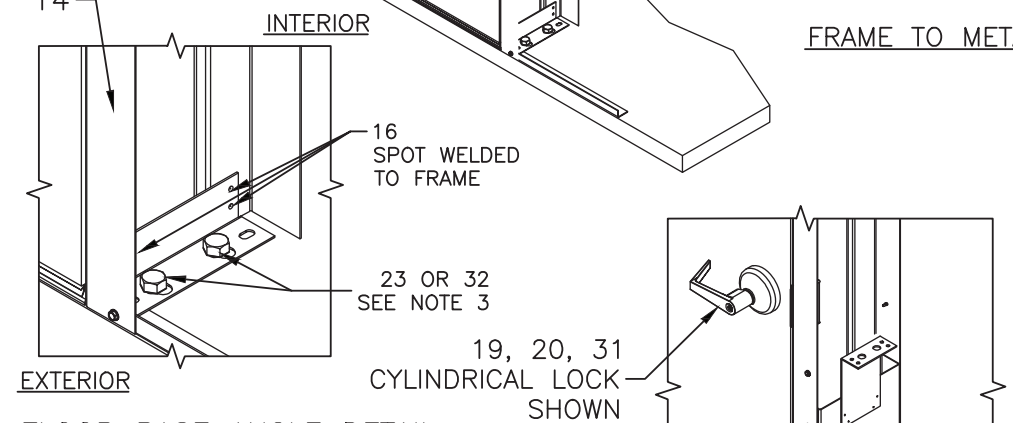
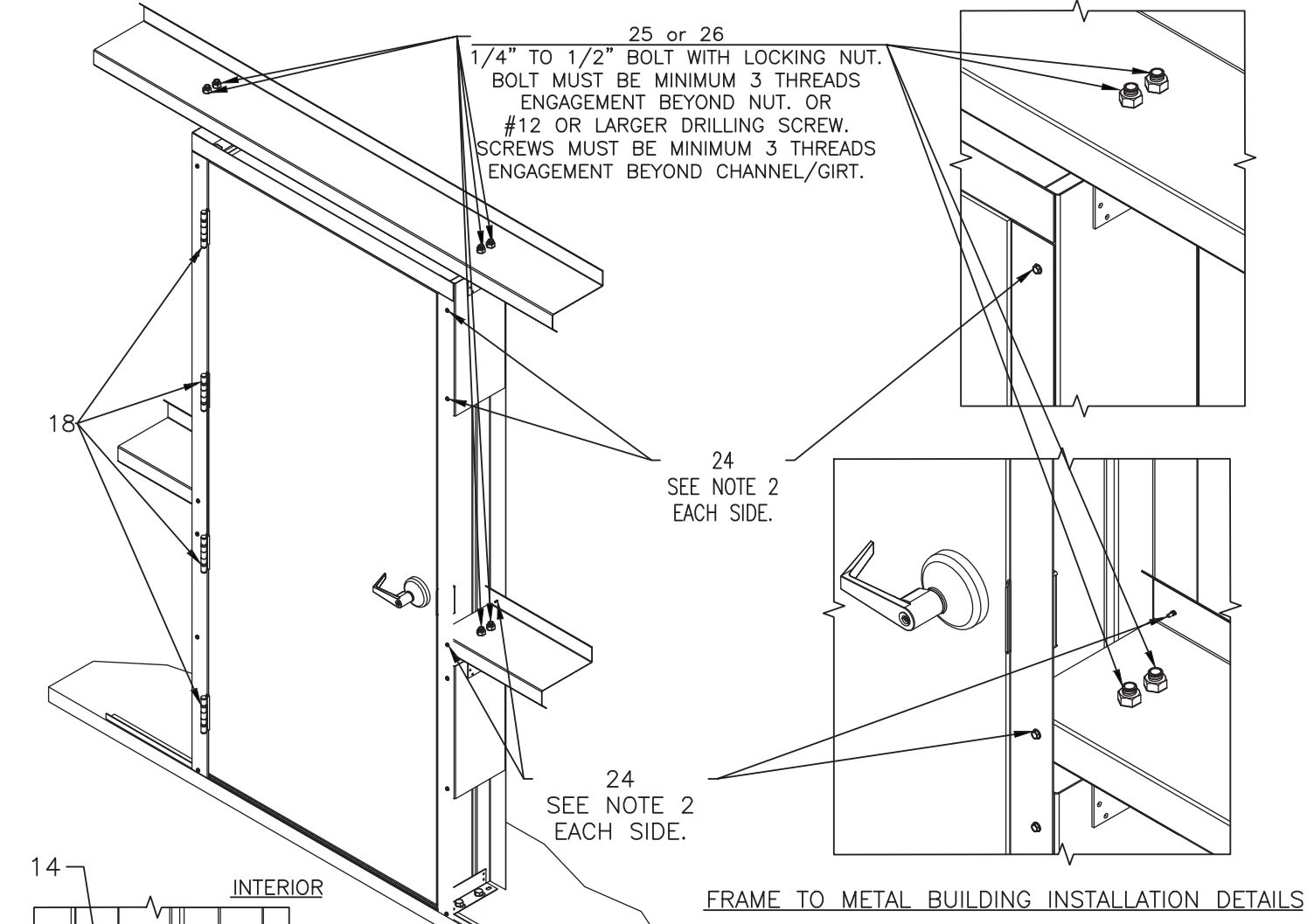
PTC PRODUCT DESIGN GROUP, LLC
 PO BOX 520775 | LONGWOOD, FLORIDA 32752
 FBPE C.A. NO. 25935
 Phone: 321.690.1788 | Email: info@ptc-corp.com

DRAFTER	DATE	TELL DOORS & WINDOWS, LLC. 6535 GUHN RD, STE 100, HOUSTON, TX 77040	
CHECKED	DATE	TITLE "TELSTAR/TIOGA/SPARTAN" DS STEEL DOORS SYSTEM-IMPACT	
ENGINEER	DATE	SIZE B	DWG NO 15-35L
APPROVED R.J.A	DATE 10/17/23	RELEASE STATE FINAL	REV B
THIRD ANGLE PROJECTION 		SCALE 1/2"=1'-0"	SHEET 6 OF 9

TELL MANUFACTURING, INC.
 18 RICHARD DRIVE, LITITZ, PA 17543

TELL MFG
Spectrum Brands | Hardware & Home Improvement

THIS DOCUMENT IS THE PROPERTY OF SPECTRUM BRANDS, INC AND/OR ITS AFFILIATES. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRETS PROPRIETARY TO SPECTRUM BRANDS. NEITHER THIS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON, COPIED, OR PUBLISHED WITHOUT SPECTRUM BRANDS' PRIOR WRITTEN CONSENT.



ITEM No.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	MSD72232	HEADER FRAME 2.67" x 0.059" THK. 16GA	GALVANNEAL STEEL	1
2	MSD72232	JAMB FRAME 2.67" x 0.059" THK. 16GA	GALVANNEAL STEEL	1
3	DT101126	THRESHOLD 0.50" x 5.75" x 0.105" THK. 48" TP	6063-T5 ALUMINUM	1
4	MSD10027	HINGE REINFORCEMENT 1.25" x 10.00" x 0.180" THK.	COLD ROLLED STEEL	8
5	MSD10290	BOTTOM DOOR SKIN 0.40" x 1.72" x .034" THK.	GALVANNEAL STEEL	1
6	MSD10290	TOP DOOR SKIN 0.18" x 0.24" x .035" THK.	GALVANNEAL STEEL	1
7	MMD10205	TOP CAP 0.70" x 1.54" x .038" THK.	GALVANNEAL STEEL	1
8	MSD10223	DOOR CHANNEL 0.80" x 1.67" x .053" THK.	GALVANNEAL STEEL	2
9	MSD10091	CYLINDRICAL LOCK REINFORCEMENT 1.65" x 6.69" x 3.80" x 0.54" THK. 16GA	COLD ROLLED STEEL	1
10	MSD70048	FRAME CLIP 5.54" x 1.45" x 1.43" x 0.097" THK. 12GA SPOT WELDED TO JAMBS	GALVANNEAL STEEL	2
11	MSD10005	FOAM CORE 44.00" x 91.00" x 1.688" THK. - 0.733 LB/FT ³ DENSITY	POLYSTYRENE FOAM	1
12	MMD10043	DOOR CLOSER REINFORCEMENT 7.00" x 19.50" x 0.070" THK. (15GA) STEEL SHEET	GALVANNEAL STEEL	2
13	MSD10068	MORTISE LOCK REINFORCEMENT 5.00" x 1.50" x 11.93" x 0.067" THK. 15GA	COLD ROLLED STEEL	1
14	MSD72232	KD STRIKE JAMB 4080 MB534 FRAME 2.67" x 0.059" THK. 16GA	GALVANNEAL STEEL	1
15	-	#8 x 1" SELF DRILLING SCREWS (NOT SUPPLIED)	STEEL	6
16	-	HINGE / STRIKE JAMB FLOOR BASE ANGLE CLIP 12GA	GALVANNEAL STEEL	2
17	DT100631	WEATHER STRIP LP1153 (18')	-	1
18	HG100034	HINGE 4-1/2" x 4-1/2"	GALVANNEAL STEEL	4
19	-	MORTISE LOCK HARDWARE OPTION, CL102258 ZHONGSHAN	-	1
20	-	LC1281 SERIES HEAVY DUTY COMMERCIAL GRADE 1 LEVERSET W/ CL100249 BY THASE ENTERPRISES CO. LTD	-	1
21	MMD10203	DOOR SWEEP 0.61" x 1.35" x 0.083" THK. TP 35.75"	6063-T6 ALUMINUM	1
22	-	JAMB EXTENSION ASSEMBLY 16GA CHANNEL, 12GA CLIP	GALVANNEAL STEEL	4
23	-	3/8"Ø TO 1/2"Ø x 2-1/4" DYNABOLT STUD ANCHOR FOR CONCRETE	-	4
24	-	#12 x 1" SELF DRILLING SCREW (NOT SUPPLIED)	STEEL	24
25	-	1/4"Ø TO 1/2"Ø x 3/4" HEX BOLT	STEEL	12
26	-	1/4"Ø TO 1/2"Ø HEX NUT SELF LOCKING STEEL TO MATCH ITEM 25	STEEL	12
27	-	#10 x 1" SELF DRILLING SCREW (NOT SUPPLIED)	STEEL	6
28	-	STRIKE PLATE - TO MATCH HARDWARE OPTION AS SPECIFIED	-	1
29	-	#12 - 24 x 3/8" PHILLIPS FLAT HEAD COUNTERSUNK MACHINE SCREW STEEL, FOR HINGES	STEEL	32
30	-	3/16"Ø x 1-3/4" PHILLIPS FLAT HEAD COUNTERSUNK TAPCON CONCRETE SCREW (NOT SUPPLIED)	STEEL	5
31	-	9500 SERIES HEAVY DUTY COMMERCIAL GRADE 1 RIM PANIC W/ KEYED ESCUTCHEON TRIM	-	1
32	-	5/16"Ø TO 1/2"Ø x 1-3/4" HEX WASHER HEAD TAPCON CONCRETE SCREW (NOT SUPPLIED)	STEEL	4
33	MSD10061	HINGE REINFORCEMENT COVER 1.66" x 0.84" x 10.13" x 0.024" THK.	COLD ROLLED STEEL	4
34	MSD10090	STRIKE PLATE REINFORCEMENT 1.38" x 6.50" x 1.13" x 0.059" THK. 16GA	COLD ROLLED STEEL	1
35	MSD10006 MSD10033	2 PART ADHESIVE, REZ-CURE EP882 BY INNOVATIVE RASIN SYSTEM, INC.	EPOXY RESIN	2
36	DT100852	BUTTERFLY ANCHOR 1.58" x 2.50" x 7.00" x 0.048" THK.	COLD ROLLED STEEL	4
37	SD100081	ANCHOR 0.95" x 2.05" x 7.00" x 0.052" THK.	COLD ROLLED STEEL	4
38	-	1/4" x 3/4" HEX HEAD MACHINE BOLTS (HH MB) AND LOCK NUTS THRU FRAME CLIPS	STEEL	2
39	-	#8 x 3 1/2" NAILS	STEEL	8
40	-	3/8" x 6" WOOD LAG BOLT	STEEL	4

NOTES:

- FOR ANCHORING KNOCK DOWN FRAME HEAD JAMB TO FRAME HINGE JAMB AND FRAME STRIKE JAMB 16GA. (.053" MIN.) STEEL FRAMING USE (2 PER SIDE) 1/4" TO 1/2" DIAMETER STEEL BOLT WITH MATING SELF LOCKING NUT. BOLT TO BE OF SUFFICIENT LENGTH TO ACHIEVE 3-THREADS MINIMUM BEYOND NUT. LOCATE AND ANCHOR AS SHOWN IN CORNER CONSTRUCTION DETAIL.
- FOR ANCHORING JAMB EXTENSION ASSEMBLY TO 16GA. (.053" MIN.) STEEL FRAMING HINGE AND STRIKE JAMBS, USE (4 PER CHANNEL) #12 OR LARGER DRILLING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3-THREADS MINIMUM BEYOND ANCHOR CHANNELS. LOCATE AND ANCHOR AS SHOWN IN JAMB EXTENSION ASSEMBLY DETAIL.
- FOR ANCHORING FLOOR BASE ANGLE OF FRAME HINGE AND STRIKE JAMBS ONTO CONCRETE USE (2 PER JAMB) 3/8" TO 1/2" DIAMETER WEDGE BOLTS OF SUFFICIENT LENGTH TO ACHIEVE 2" MINIMUM EMBEDMENT INTO CONCRETE WITH 4 1/2" MINIMUM EDGE DISTANCE OR (2 PER SIDE) 5/16" TO 1/2" DIAMETER HEX WASHER HEAD TAPCON SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-3/4" MINIMUM EMBEDMENT INTO CONCRETE WITH 3-3/16" MINIMUM EDGE DISTANCE (ADD WASHER IF NEEDED). LOCATE AND ANCHOR AS SHOWN IN FLOOR BASE ANGLE DETAIL.
- FOR ANCHORING THRESHOLD ONTO CONCRETE USE 3/16" DIAMETER FLAT HEAD TAPCON SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1-3/4" MINIMUM EMBEDMENT INTO CONCRETE WITH 2-5/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- INSTALLATION ANCHORS AND HARDWARE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 A. STEEL FRAMING: 16GA. (.053" MIN.)
 B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH 3,192 PSI.

TIOGA/SPARTAN SERIES SINGLE STEEL DOOR SYSTEM

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



TELL MANUFACTURING, INC.
18 RICHARD DRIVE, LITITZ, PA 17543

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 | LONGWOOD, FLORIDA 32752, Phone: 321.690.1788 | Email: info@ptc-corp.com
FBPE C.A. NO. 25935

TELL MFG

Spectrum Brands | **Hardware & Home Improvement**

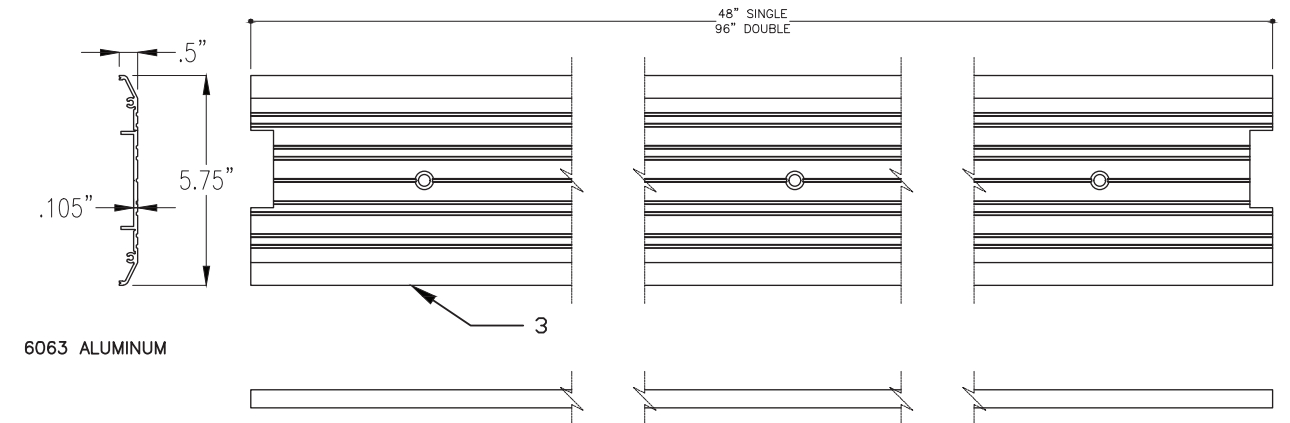
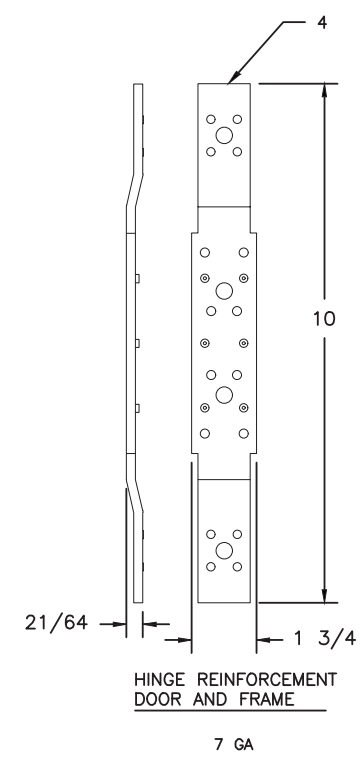
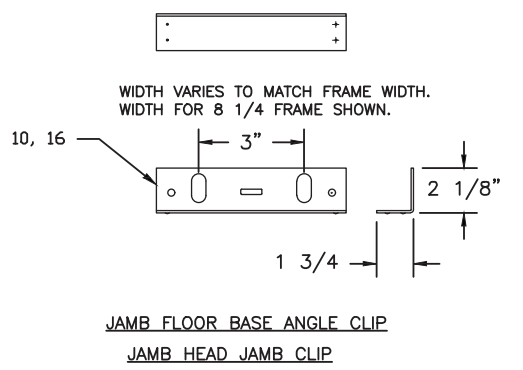
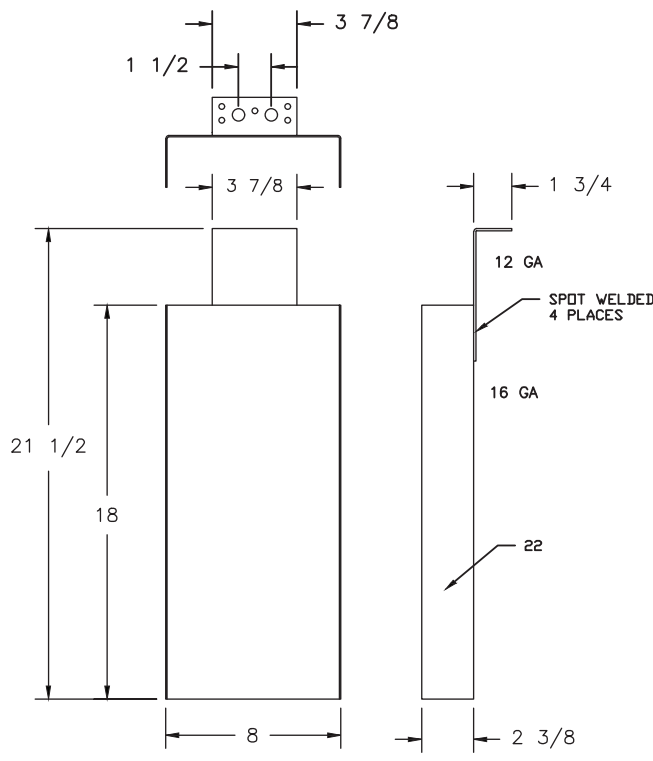
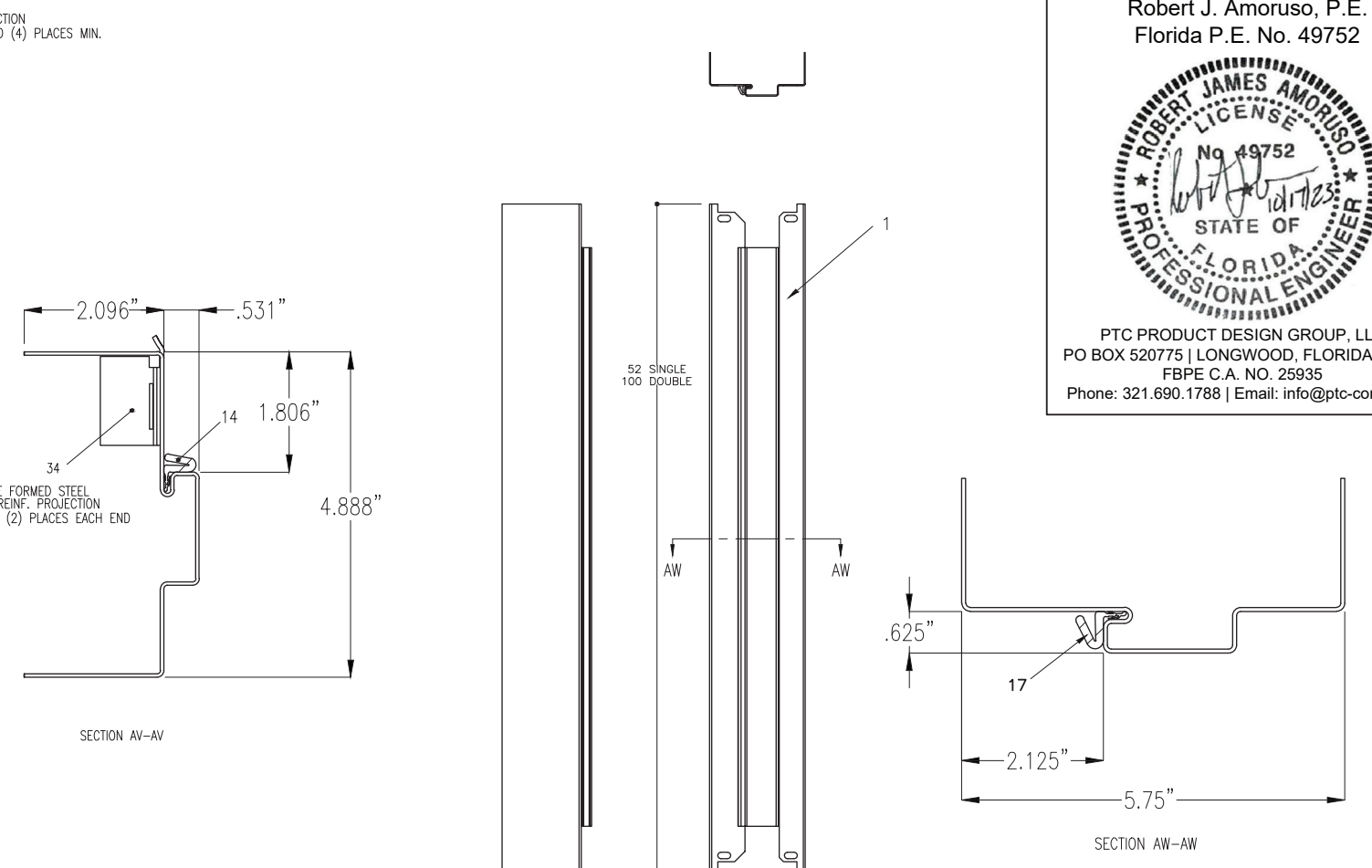
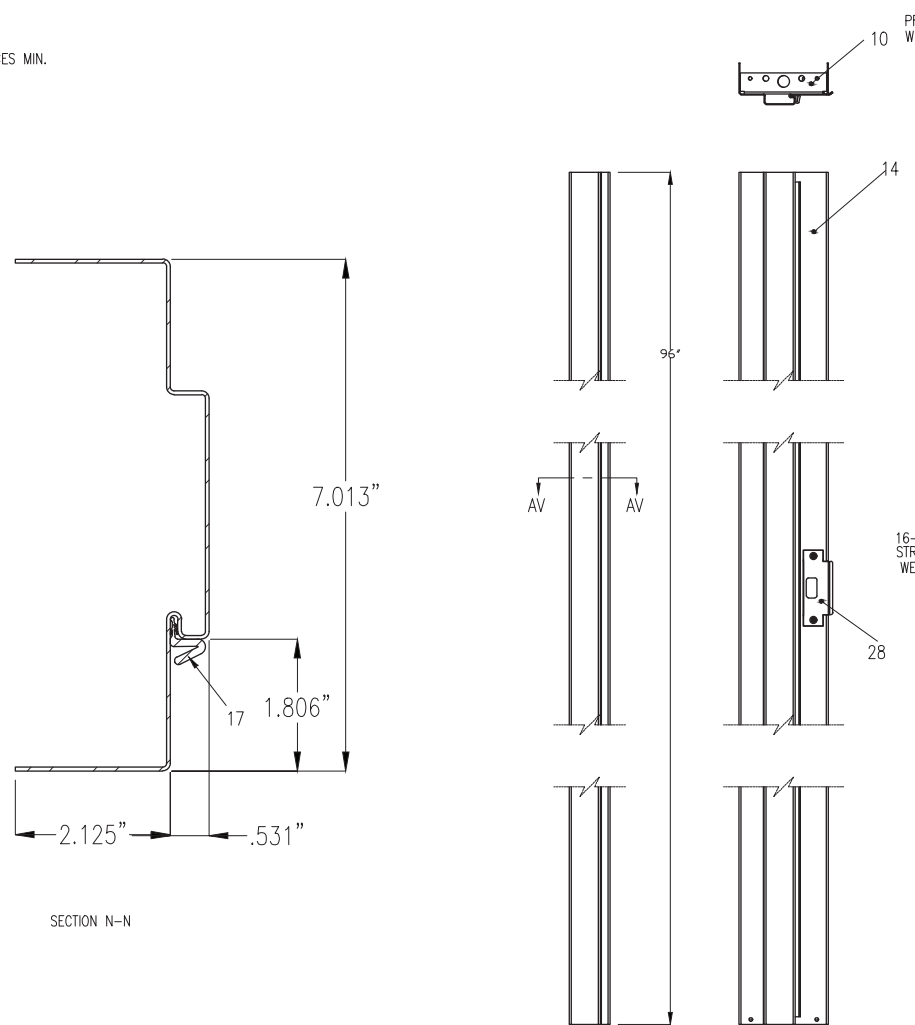
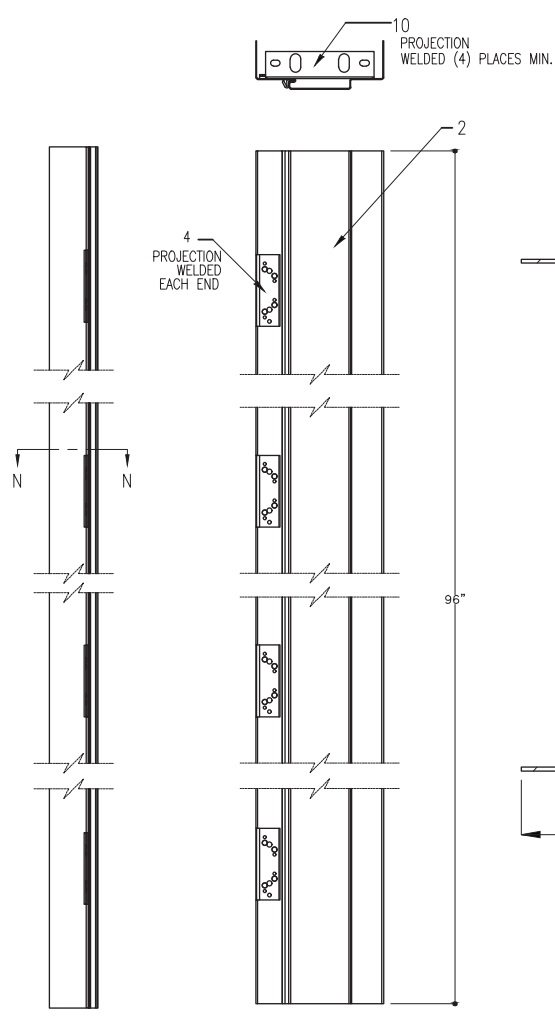
THIS DOCUMENT IS THE PROPERTY OF SPECTRUM BRANDS, INC. AND/OR ITS AFFILIATES. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRETS PROPRIETARY TO SPECTRUM BRANDS. NEITHER THIS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON, COPIED, OR PUBLISHED WITHOUT SPECTRUM BRANDS' PRIOR WRITTEN CONSENT.

DRAFTER	DATE	TELL DOORS & WINDOWS, LLC. 6535 GUHN RD, STE 100, HOUSTON, TX 77040	
CHECKED	DATE	TITLE "TELSTAR/TIOGA/SPARTAN" DS STEEL DOORS SYSTEM-IMPACT	
ENGINEER	DATE	SIZE B	DWG NO 15-35L
APPROVED R.J.A.	DATE 10/17/23	RELEASE STATE	REV B
THIRD ANGLE PROJECTION		SCALE 1/2"=1'-0"	SHEET 7 OF 9

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 | LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Phone: 321.690.1788 | Email: info@ptc-corp.com



TIOGA/SPARTAN SERIES SINGLE STEEL DOOR SYSTEM

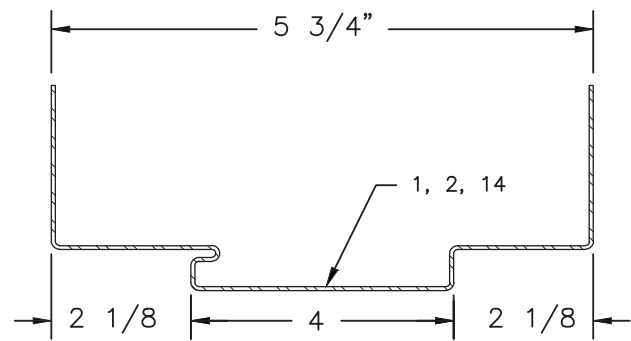
JAMB EXTENSION ASSEMBLY

TELL MANUFACTURING, INC.
18 RICHARD DRIVE, LITITZ, PA 17543



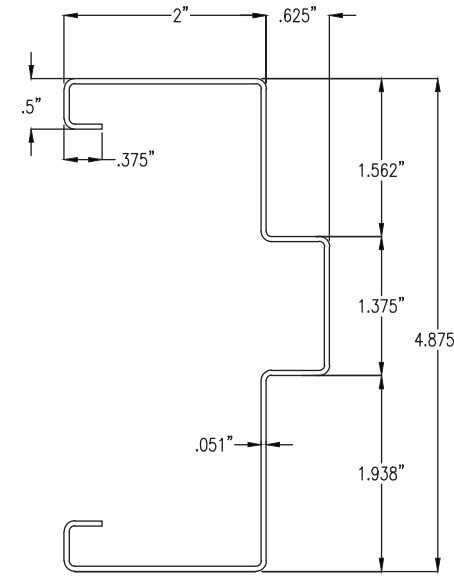
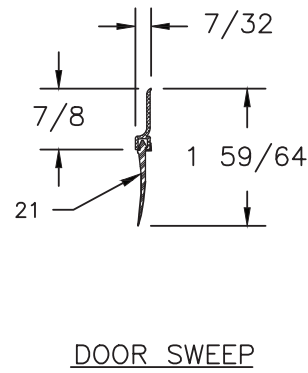
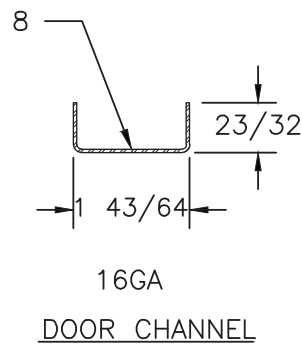
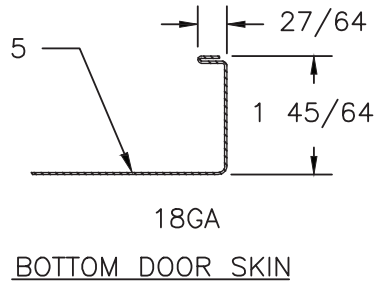
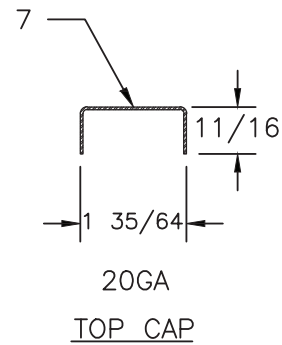
THIS DOCUMENT IS THE PROPERTY OF SPECTRUM BRANDS, INC AND/OR ITS AFFILIATES. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRETS PROPRIETARY TO SPECTRUM BRANDS. NEITHER THIS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON, COPIED, OR PUBLISHED WITHOUT SPECTRUM BRANDS' PRIOR WRITTEN CONSENT.

DRAFTER	DATE	TELL DOORS & WINDOWS, LLC. 6535 GUHN RD, STE 100, HOUSTON, TX 77040	
CHECKED	DATE	TITLE "TELSTAR/TIOGA/SPARTAN" DS STEEL DOORS SYSTEM-IMPACT	
ENGINEER	DATE	SIZE B	DWG NO 15-35L
APPROVED R.J.A	DATE 10/17/23	RELEASE STATE	REV B
THIRD ANGLE PROJECTION 		SCALE 1/2"=1'-0" &bhc_pn_note	ITER 8 OF 9
		FINAL	

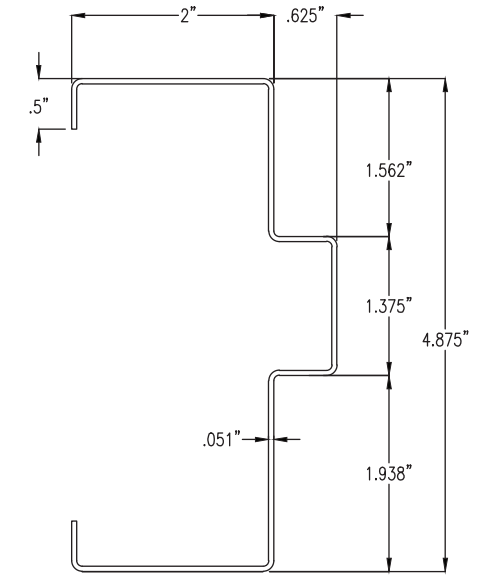


WIDTH VARIES FROM 4 7/8" TO 12 1/4".
5 3/4" FRAME SHOWN.

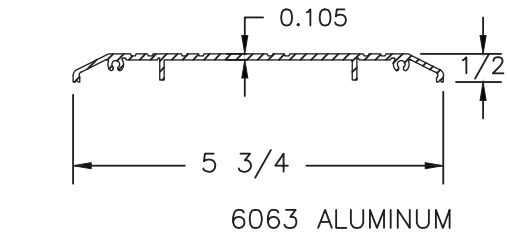
JAMB PROFILE



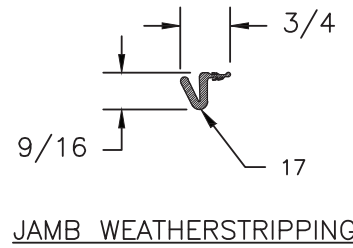
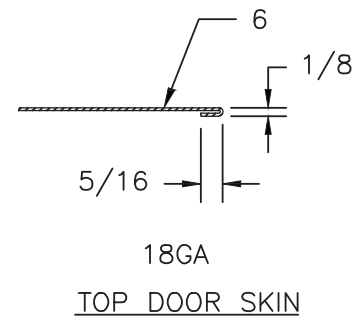
WIDTH VARIES FROM 4 7/8" TO 12 1/4".
4 7/8" FRAME SHOWN.



WIDTH VARIES FROM 4 7/8" TO 12 1/4".
4 7/8" FRAME SHOWN.

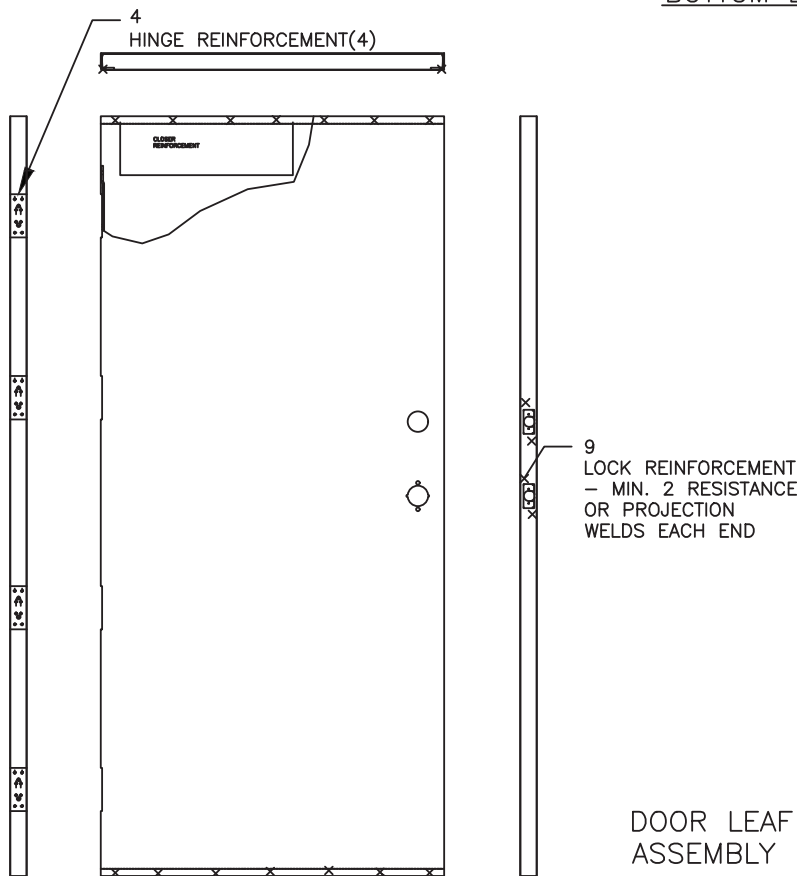


THRESHOLD (0.105" THICKNESS)

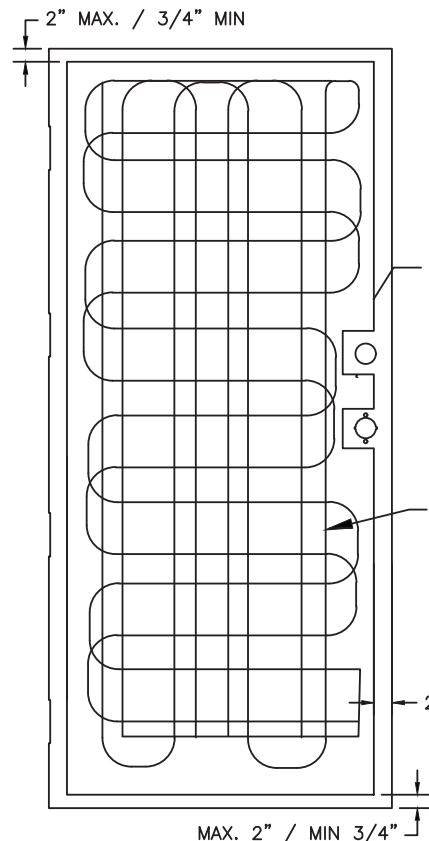


DRYWALL FRAME

MASONRY FRAME



DOOR LEAF ASSEMBLY

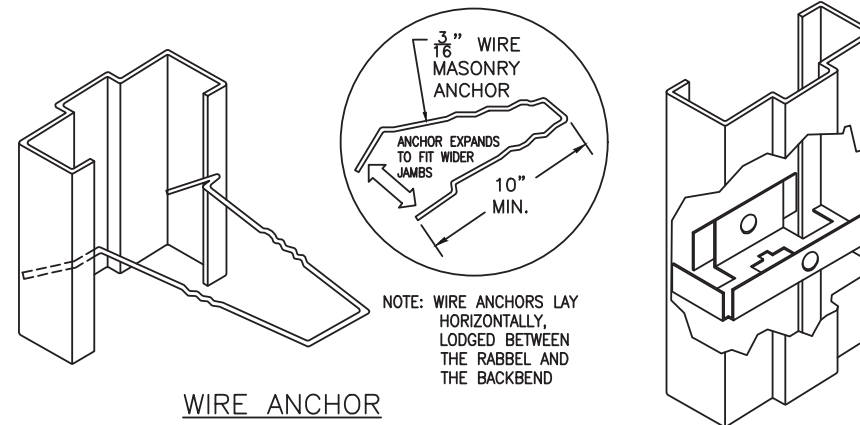


11 FOAM CORE.
DENSITY: 0.733 LB/FT³

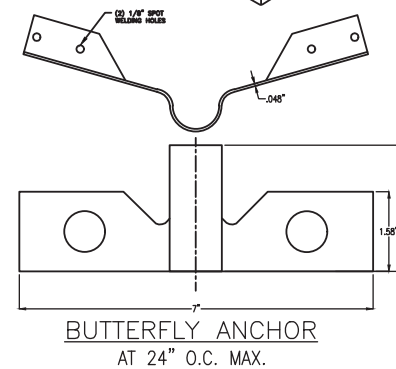
WIRE ANCHOR
AT EVERY BLOCK CELL
MASONRY CONSTRUCTION

35 ADHESIVE APPLIED IN CROSSED
PATTERN PRIOR TO SPREADING.
- REZ CURE EP882 PART A & B
APPLY PER UL SPEC.

TIOGA/SPARTAN SERIES
SINGLE STEEL DOOR SYSTEM



NOTE: WIRE ANCHORS LAY
HORIZONTALLY,
LODGED BETWEEN
THE RABBEL AND
THE BACKBEND



BUTTERFLY ANCHOR
AT 24" O.C. MAX.

NOTE: COMBINATION ANCHORS
USED AS A STEEL
STUD ANCHOR

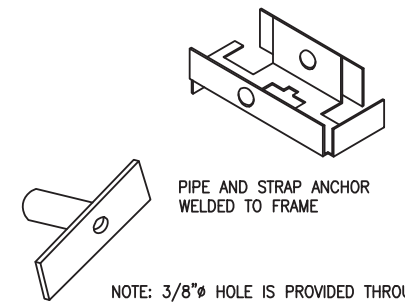
5-3/4" JAMB WIDTH ONLY

REMOVE NAILING STRAPS

INSIDE BREAK-OFF
CREASE = 2-1/2" STUD

OUTSIDE BREAK-OFF
CREASE = 3-5/8" STUD

COMBINED ANCHOR
AT 24" O.C. MAX.
PUNCH & DIMPLE ANCHORING



NOTE: 3/8" Ø HOLE IS PROVIDED THROUGH FRAME
STOP WITH EITHER A COUNTERSINK OR
DIMPLE TO RECEIVE ANCHOR BOLTS.

PIPE AND STRAP ANCHOR
AT 24" O.C. MAX.
EXISTING MASONRY CONSTRUCTION

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



PTC PRODUCT DESIGN
GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
Email: info@ptc-corp.com
FBPE C.A. NO. 25935

TELL DOORS & WINDOWS, LLC.
6535 GUHN RD, STE 100, HOUSTON, TX 77040

TITLE
"TELSTAR/TIOGA/SPARTAN" DS STEEL DOORS SYSTEM-IMPACT

DRAFTER	DATE
CHECKED	DATE
ENGINEER	DATE
APPROVED	DATE
R.J.A. 10/17/23	
THIRD ANGLE PROJECTION	

SIZE B	DWG NO 15-35L
RELEASE STATE	REV B
SCALE 1/2"=1'-0"	SHEET 9 OF 9

TELL MANUFACTURING, INC.
18 RICHARD DRIVE, LITITZ, PA 17543



THIS DOCUMENT IS THE PROPERTY OF SPECTRUM BRANDS, INC AND/OR ITS AFFILIATES. THE CONTENTS OF THIS DOCUMENT ARE CONFIDENTIAL AND CONSTITUTE TRADE SECRET'S PROPRIETARY TO SPECTRUM BRANDS. NEITHER THIS DOCUMENT NOR ITS CONTENTS SHALL BE DISCLOSED TO ANY UNAUTHORIZED PERSON, COPIED, OR PUBLISHED WITHOUT SPECTRUM BRANDS' PRIOR WRITTEN CONSENT.