

Product Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 2594, Rev. 1 | Project No. 419-1121 | 9/25/20 | Page 1 of 3

Product Manufacturer

Tell Doors & Windows, LLC.
2505 West 11th Street
Houston, TX 77008

A wholly owned subsidiary of
Tell Manufacturing, Inc.
207 Bucky Drive
Lititz, Pennsylvania 17543

Product Name, Model and/or Description

Telstar Outswing Steel Door (X), Impact
Tioga/Spartan Outswing Steel Door (X), Impact
Telstar Outswing Steel Door (X), Non-Impact
Tioga/Spartan Outswing Steel Door (X), Non-Impact

Digitally signed by Luther E. Stockman, Jr.
DN: C=US,
E=lstockman@glbchris.t.us,
O=Okaloosa County Building &
L=Luther E. Stockman, Jr.
Reason: I am approving this document
Date: 2021.04.28 08:03:44-0

Code: Current Edition of the Florida Building Code including the 7th Edition (2020) Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Product Name, Model and/or Designation - Test Report No. - Installation Drawing No.: Products covered by this evaluation include the following. All testing performed by Hurricane Engineering & Testing, Doral, FL.

- Installation Drawing No. 15-35L, Rev. B, "Telstar & Tioga/Spartan" OS Steel Doors X System - Impact Installation Instructions, signed and sealed by Robert J. Amoruso, P.E.
 - Series/Model
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
 - Test Reports by Hurricane Engineering and Testing, Doral, FL. All test reports signed and sealed by Rafael E. Droz-Seda, P.E.
 - HETI-15-5069, dated 9/3/15, TAS 202 (Structural), View Window, +/-50 psf DP
 - HETI-15-5070, dated 9/3/15, TAS 202 (Structural), View Window, +/-50 psf DP
 - HETI-15-5071, dated 9/3/15, TAS 202 (Structural), Opaque, +/-75 psf DP
 - HETI-15-5072, dated 7/10/15, ASTM E1886-13a/E1996-14, Opaque, +/-75 psf DP
 - HETI-15-5082, dated 7/10/15, ASTM E1886-13a/E1996-14, View Window (*), +/-50 psf DP
 - (*) View Window not impacted, therefore door approval treated as Opaque.
- Installation Drawing No. 15-35, Rev. B, "Telstar & Tioga/Spartan" OS Steel Doors X System - Non-Impact & HVHZ Installation Instructions, signed and sealed by Robert J. Amoruso, P.E.
 - Series/Model
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
 - Test Reports by Hurricane Engineering and Testing, Doral, FL. All test reports signed and sealed by Rafael E. Droz-Seda, P.E.
 - HETI-15-5069, dated 9/3/15, TAS 202 (Structural), View Window, +/-50 psf DP
 - HETI-15-5070, dated 9/3/15, TAS 202 (Structural), View Window, +/-50 psf DP
 - HETI-15-5071, dated 9/3/15, TAS 202 (Structural), Opaque, +/-75 psf DP

Limitations & Conditions of Use:

- The following products have not been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
 - Installation Drawing No. 15-35L, Series/Models
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size



PTC Product Design Group, LLC | PO Box 520775 | Longwood, FL 32752-0775
321-690-1788 | FBPE Certification of Authorization No. 25935

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- Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
- The following products have been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
 - Installation Drawing No. 15-35, Series/Models
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
- The following products are impact resistant and will not require impact protection in wind borne debris regions.
 - Installation Drawing No. 15-35L, Series/Models
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
- The following products are not impact resistant and will require impact protection in wind borne debris regions.
 - Installation Drawing No. 15-35, Series/Models
 - Telstar Outswing Steel Door (X) with Rim Panic Device, +/-50 psf DP, 40.5" x 86.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Rim Panic Device, +/-75 psf DP, 54.125" x 98.125" Frame Size
 - Tioga/Spartan Outswing Steel Door (X) w/Keyed Lock, +/-50 psf DP, 52.25" x 98" Frame Size
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to substrate structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.
- The products listed above have not been tested for water penetration. Therefore, they can only be used in the following areas per Section 1709 of the Current Edition of the Florida Building Code or Section R609 of the Current Edition of the Florida Residential Code.
 - Non-habitable areas where the door assembly and area are designed to accept water infiltration, or
 - Areas where the overhang (OH) ratio is equal to or more than one (1). OH as defined in the building code.

Engineering Evaluation:

- Installation anchorage evaluation performed for the above-mentioned products by Robert J. Amoruso, P.E.



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Certificate of Independence per Product Approval Rule 61G20-3.009

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



Digitally
signed by
Robert J
Amoruso
Date:
2020.09.25
14:42:02 -04'00'

Evaluated by:
Robert J. Amoruso, P.E.
FL PE License No. 49752





PERFORMANCE RATING		IMPACT RATING
DESIGN PRESSURE RATING		
+/- 50 PSF	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 > 10.	LARGE MISSILE IMPACT WIND ZONE 4 MISSILE LEVEL D

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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.

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.

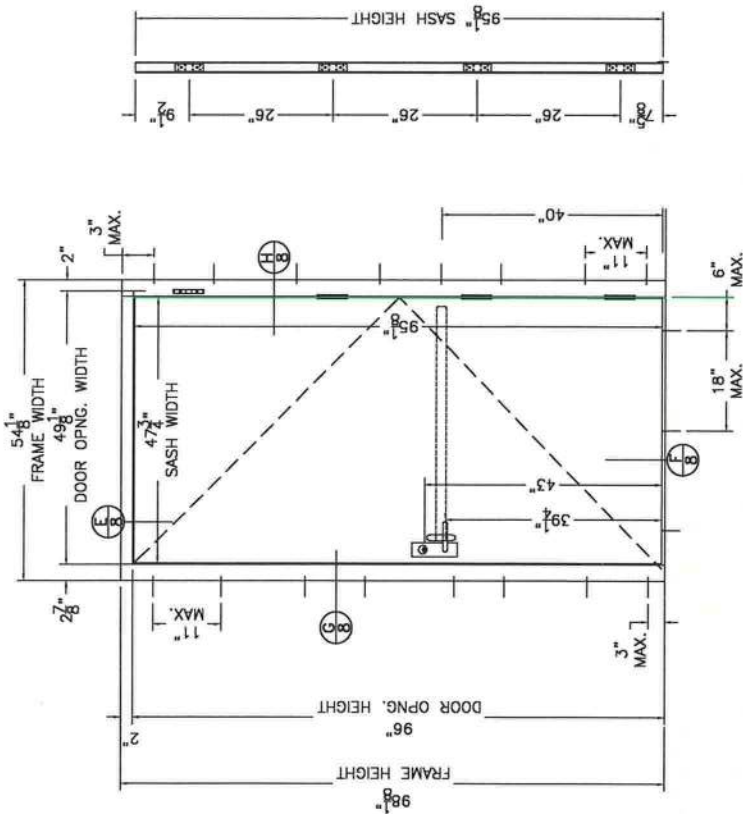
- A. THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERAL IN NATURE AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC PROJECT, I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.O. CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HERE/HE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B. THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C. THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF 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.O. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.O. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE EVALUATION DOCUMENT FOR REVIEW AND APPROVAL.
- D. THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
- E. THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

DRAFTER	DATE	TELL DOORS & WINDOWS, LLC, 2505 WEST 11TH STREET, HOUSTON, TEXAS 77008	
CHECKED	DATE	TITLE	
ENGINEER	DATE	'TELSTAR/TUDGA/SPARTAN' OS STEEL DOORS SYSTEM-IMP	
APPROVED	DATE	SIZE	DWG NO
R.J.A	9/25/20	B	15-35L
THIRD ANGLE PROJECTION		RELEASE STATE	FINAL
		SCALE, 1/2"=1'-0"	DATE, DWT, NOTE
			SHEET 1 OF

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

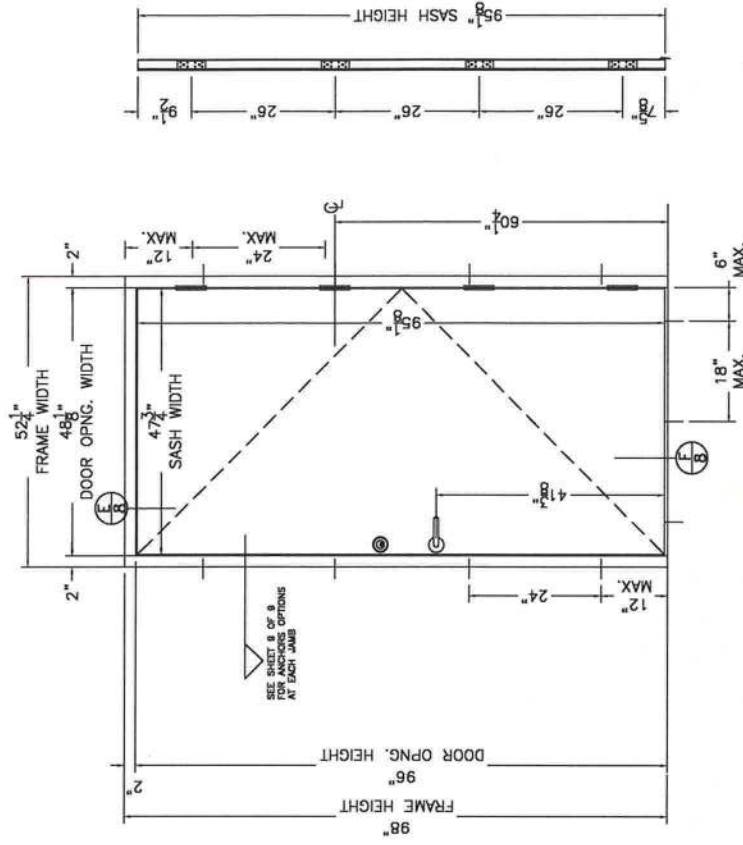


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"TIoga/SPartan" OUTSWING SINGLE STEEL DOORS (X)

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 2:10.	



"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 2:10.	

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

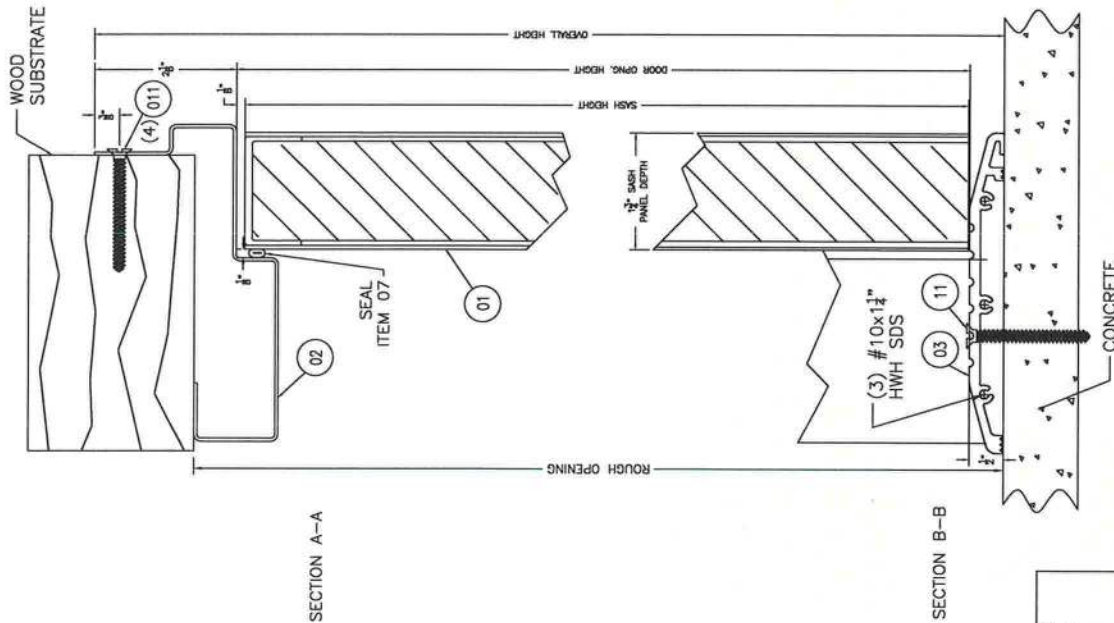


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DRAWER	DATE	TELL DOORS & WINDOWS, LLC. 2505 WEST 11TH STREET, HOUSTON, TEXAS 77008
CHECKED	DATE	TITLE
ENGINEER	DATE	"TELSTAR/TIOGA/SPARTAN" DS STEEL DOORS SYSTEM-IMPAI
APPROVED	DATE	SIZE
R.J.A. 9/25/20	B	DWG NO
THIRD ANGLE PROJECTION	15-35L	SCALE
1/2"=1'-0"	1/2"=1'-0"	1/2"=1'-0"
RELEASE STATE	FINAL	REV
15-35L	B	ITER
1/2"=1'-0"	1/2"=1'-0"	SHEET
1/2"=1'-0"	1/2"=1'-0"	2 OF



SECTION D-D

#8 DIA. SMS
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

3/16" DIA. ITW TAPCON ($F_u=125$ KSI, $F_y=100$ KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
DIRECTLY INTO $f_c=3000$ PSI CONCRETE, 1" MIN. EDGE DIST.
1" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL)

3/16" DIA. ELCO ULTRAON ($F_u=177$ KSI, $F_y=155$ KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
DIRECTLY INTO $f_c=3000$ PSI CONCRETE, 1" MIN. EDGE DIST.
1-3/8" MIN. EMBED INTO CONCRETE (HEAD/JAMBS/SILL)
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCK (JAMBS)

DRAWER	DATE	R.J.A 9/25/20	RELEASE STATE	DWG NO	SIZE	TELSTAR/TIGGA/SPARTAN' OS STEEL DOORS SYSTEM-IMP-PA	TELL DOORS & WINDOWS, LLC. 2505 WEST 11TH STREET, HOUSTON, TEXAS 77008
CHECKED	DATE		B	15-35L	TITLE		
ENGINEER	DATE		FINAL	REV	B		
APPROVED	DATE		SCALE 1/2"=1'-0"	SHEET	3 OF		
THIRD ANGLE PROJECTION							

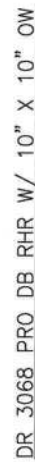
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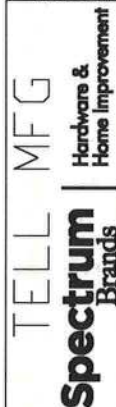
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ITEM No.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
01	MMD20102	DHM 3068 20GA 161 DB	-	1
02	MMD30302	TELSTAR DOOR FRAME HEADER/JAMBS 2.76" x 4.75" x 0.054" THK. 16GA	GALVANNEAL STEEL	1
03	MMD10202	THRESHOLD 0.53" x 4.80" x 0.152" THK. 36" TP	6063-T5 ALUMINUM	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
08	-	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 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" ITW BUILDDEX TAPCON OR ELCO ULTRACON ANCHORS	STEEL	23

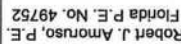
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TELL DOORS & WINDOWS, LLC. 2505 WEST 11TH STREET, HOUSTON, TEXAS 77008		TITLE 'TELSTAR/TUGA/SPARTAN' OS STEEL DOORS SYSTEM-IMP	
DRAWER	DATE	SIZE	DWG NO
CHECKED	DATE	B	15-35L
ENGINEER	DATE	B	15-35L
APPROVED	DATE	B	15-35L
R.J.A 9/25/20 THIRD ANGLE PROJECTION 		RELEASE STATE	REV
		SCALE	SHEET
		1/2"=1'-0"	4 OF 4







- 1) FOR ANCHORING KNOCK DOWN FRAME HEAD JAMB TO FRAME HINGE JAMB AND FRAME STRIKE JAMB 16GA. (.035" 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.
- 2) FOR ANCHORING JAMB EXTENSION ASSEMBLY TO 16GA. (.035" 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.
- 3) 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 A 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.
- 4) 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.
- 5) 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. (.035" MIN.)
- B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH 3,192 PSI.
- TIOGA/SPARTAN SERIES SINGLE STEEL DOOR SYSTEM



PTC PRODUCT DESIGN GROUP, LLC
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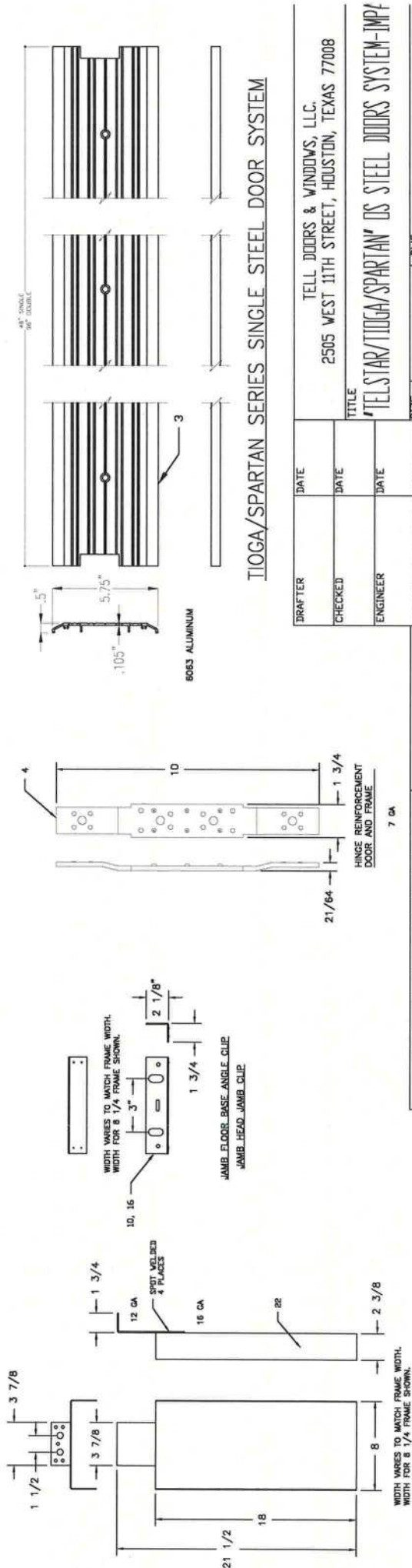
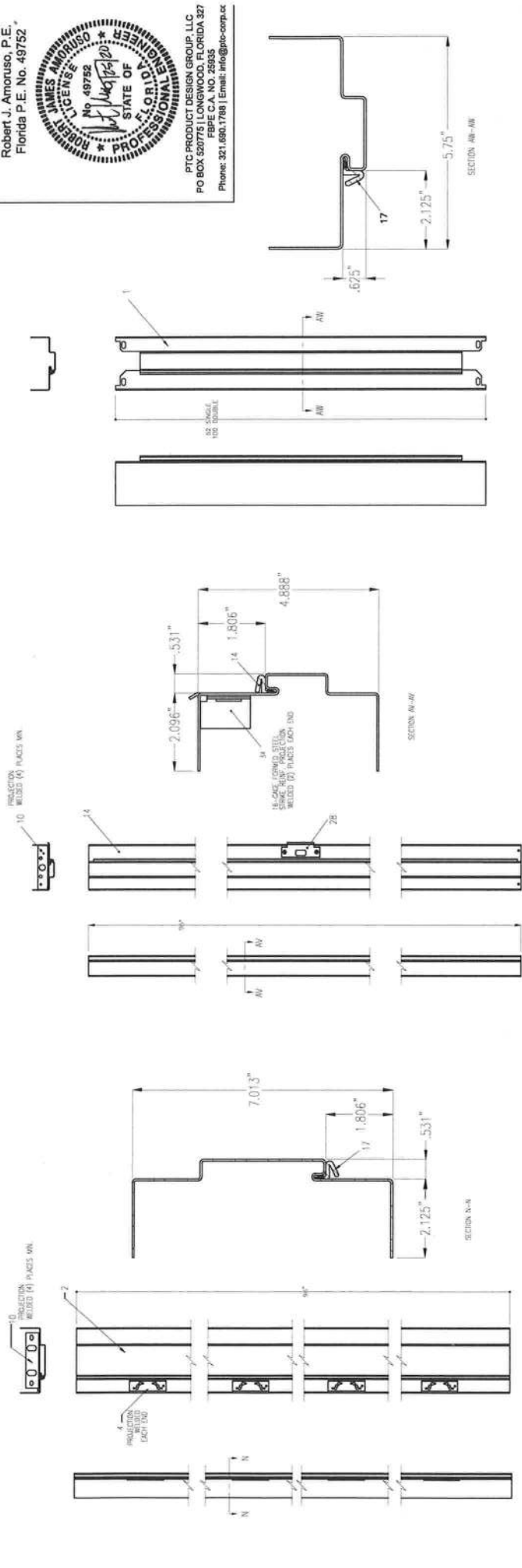
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY
1	MSD72232	HEADER FRAME 2.67" x 0.059" THK. 16GA	GALVANNEAL STEEL	1
2	MSD72232	JAMB FRAME 2.67" x 0.059" THK. 16GA	GALVANNEAL STEEL	1
3	DT101126	THRESHOLD 0.50" x 5.75" x 0.105" THK. 48" TP	6063-T6 ALUMINUM	1
4	MSD10027	HINGE REINFORCEMENT 1.25" x 10.00" x 0.180" THK.	COLD ROLLED STEEL	8
5	MSD10290	BOTTOM DOOR SKIN 0.40" x 1.72" x 0.034" THK.	GALVANNEAL STEEL	1
6	MSD10290	TOP DOOR SKIN 0.18" x 0.24" x 0.035" THK.	GALVANNEAL STEEL	1
7	MSD10205	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	MSD10223	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 DENSITY	POLYSTYRENE FOAM	1
12	MSD10043	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	—	—	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, QL102258 ZHONGSHAN	—	1
20	—	LC1281 SERIES HEAVY DUTY COMMERCIAL GRADE 1 LEVERSET W/ QL100249 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" TO 1/2" x 2-1/4" DYNABOLT STUD ANCHOR FOR CONCRETE	—	—
24	—	1/2" x 1" SELF DRILLING SCREW (NOT SUPPLIED)	STEEL	24
25	—	1/4" x 1" SELF DRILLING SCREW (NOT SUPPLIED)	STEEL	12
26	—	1/4" TO 1/2" x 3/4" HEX BOLT	STEEL	12
27	—	1/4" TO 1/2" x 1/2" HEX NUT SELF LOCKING STEEL TO MATCH ITEM 25	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" x 1-1/4" PHILLIPS FLAT HEAD COUNTERSUNK TAPCON CONCRETE SCREW (NOT SUPPLIED)	STEEL	5
31	—	9500 SERIES HEAVY DUTY COMMERCIAL GRADE 1 RIM PANIC W/ KEVED ESCUTCHEON TRIM	STEEL	1
32	—	5/16" TO 1/2" 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	2 PART ADHESIVE, REZ-CURE EP862 BY INNOVATIVE RESIN 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

TIOGA/SPARTAN SERIES SINGLE STEEL DOOR SYSTEM

DRAWER	DATE		TITLE	TELL DOORS & WINDOWS, LLC. 2505 WEST 11TH STREET, HOUSTON, TEXAS 77008					
CHECKED	DATE								
ENGINEER	DATE								
APPROVED	DATE	R.J.A 9/25/20	SIZE	B	DWG NO.	15-35L	REV	B	SHEET 7 OF
THIRD ANGLE PROJECTION			RELEASE STATE	FINAL					
				SCALE: 1/2"=1'-0" DATE: 09-25-20					

TELL DOORS & WINDOWS, LLC,
2505 WEST 11TH STREET, HOUSTON, TEXAS

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 | LONGWOOD, FLORIDA 327
FBPE C.A. NO. 25935
Phone: 321.690.1788 | Email: info@ptc-corp.cc



TIOGA/SPARTAN SERIES SINGLE STEEL DOOR SYSTEM

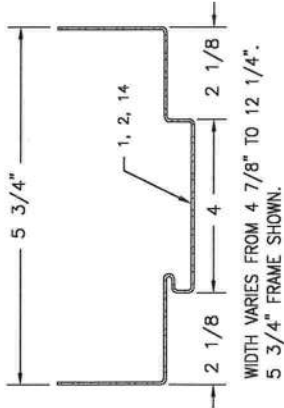
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TELL MFG 7 GA

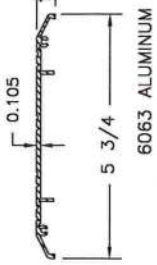
Spectrum
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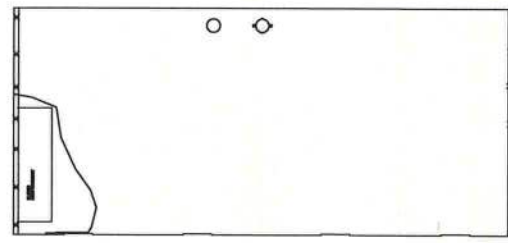


WIDTH VARIES FROM 4 7/8" TO 12 1/4".
5 3/4" FRAME SHOWN.

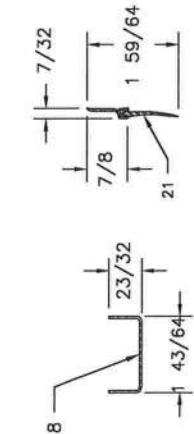
JAMB PROFILE



HINGE REINFORCEMENT(4)



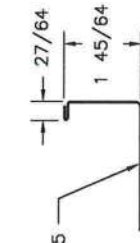
SPOT WELD, EACH SIDE, EACH CHANNEL.
WELD 1-1/2" FROM EDGE, SPACED 3" APART.



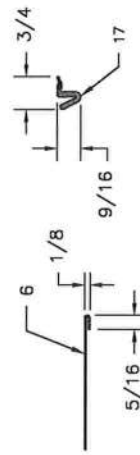
DOOR CHANNEL

DOOR SWEEP

TOP CAP

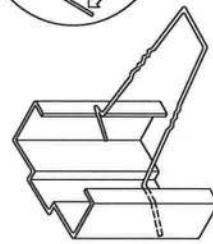


BOTTOM DOOR SKIN



TOP DOOR SKIN

18GA



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

LOCK REINFORCEMENT
- MIN. 2 RESISTANCE
OR PROJECTION
WELDS EACH END

FOAM CORE.
DENSITY: 0.733 LB/FT

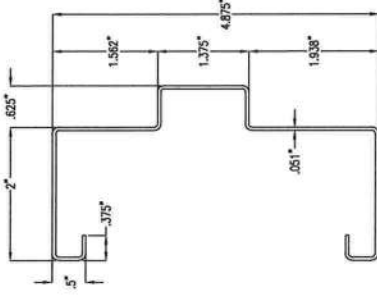
2-1/2" MAX. / 1-1/4" MIN.
BOTH SIDES

TIOGA/SPARTAN SERIES
SINGLE STEEL DOOR SYSTEM

MAX. 2" / MIN 3/4"

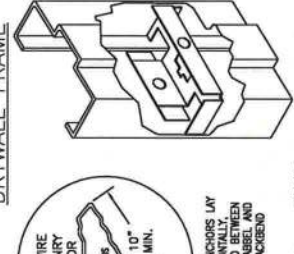
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WIDTH VARIES FROM 4 7/8" TO 12 1/4".
4 7/8" FRAME SHOWN.

DRYWALL FRAME



NOTE: COMBINATION ANCHORS
USED AS A STEEL
STUD ANCHOR

5-3/4" JAMB WIDTH ONLY
REMOVE NAILING STRAPS
INSIDE BREAK-OFF
GRADE = 2-1/2" STUD
GRADE = 3-5/8" STUD

NOTE: 3/8" HOLE IS PROVIDED THROUGH FRAME
FOR ANCHOR BOLT. ANCHOR BOLT IS
SIMPLE TO REMOVE ANCHOR BOLT.

PIPE AND STRAP ANCHOR
WELDED TO FRAME

EXISTING MASONRY CONSTRUCTION
AT 24" O.C. MAX.

PIPE AND STRAP ANCHOR
WELDED TO FRAME

NOTE: 3/8" HOLE IS PROVIDED THROUGH FRAME
FOR ANCHOR BOLT. ANCHOR BOLT IS
SIMPLE TO REMOVE ANCHOR BOLT.

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

NOTE: COMBINATION ANCHORS
USED AS A STEEL
STUD ANCHOR

5-3/4" JAMB WIDTH ONLY
REMOVE NAILING STRAPS
INSIDE BREAK-OFF
GRADE = 2-1/2" STUD
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PROFESSIONAL ENGINEER
JAMES AMOROSO
No. 49752
STATE OF FLORIDA
Professional Seal

TELL DOORS & WINDOWS, LLC.
2505 WEST 11TH STREET, HOUSTON, TEXAS 77008

TIOGA/SPARTAN® DS STEEL DOORS SYSTEM-IMP

DATE	DATE	DATE	DATE
DRAFTER	CHECKED	ENGINEER	APPROVED
15-35L	B	RJA	9/25/20
SIZE	REV	RELEASE STATE	SCALE
15-35L	B	FINAL	1/2"=1'-0"
NO	REV	DATE	SHEET
	B		9 OF



Digitally signed by Luther E. Stockman, Jr.
DN: C=US,
E=inspector@gilchrist.fl.us,
O=Gilchrist County Building Dept., CN=Luther E. Stockman, Jr.
Reason: I am approving this document
Date: 2021.04.28 08:02:18-04'00'



Janus
International Group

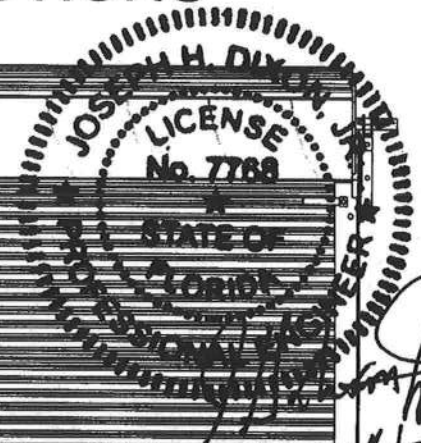
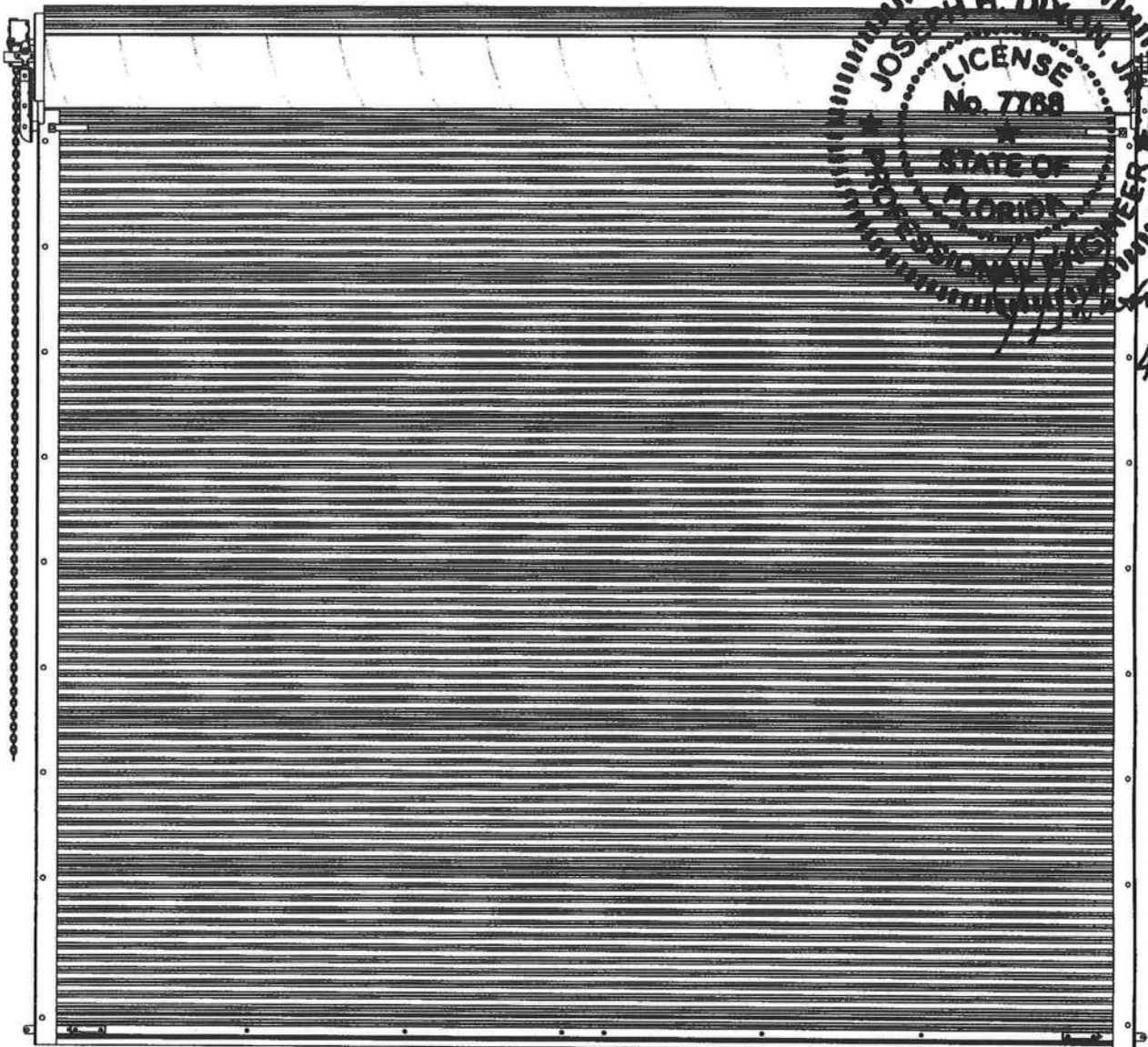
135 Janus International Blvd.
Temple, GA 30179
770-562-2850
www.janusintl.com



JANUS INTERNATIONAL
1-866-562-2580
www.janusintl.com

MODEL 3100

INSTALLATION INSTRUCTIONS



4/21/14

JANUS INTERNATIONAL DOORS MUST BE INSTALLED BY TRAINED ROLLING DOOR TECHNICIANS QUALIFIED TO INSTALL PRODUCT SAFELY WITH PROPER KNOWLEDGE, TOOLS, SAFETY AND INSTALLATION EQUIPMENT. CAREFULLY READ INSTALLATION INSTRUCTIONS. FAMILIARIZE YOURSELF WITH ALL INSTALLATION PROCEDURES, WARNINGS, CAUTIONS, AND NOTES BEFORE ATTEMPTING TO INSTALL DOOR. JANUS INTERNATIONAL CORPORATION WILL NOT WARRANTY OR ACCEPT RESPONSIBILITY FOR DOORS NOT INSTALLED PER THESE INSTALLATION INSTRUCTIONS.



IMPORTANT INFORMATION



- CAREFULLY READ INSTALLATION INSTRUCTIONS. FAMILIARIZE YOURSELF WITH ALL INSTALLATION PROCEDURES, WARNINGS, CAUTIONS, AND NOTES BEFORE ATTEMPTING TO INSTALL DOOR.
- INSPECT RECEIVED DOOR ASSEMBLY FOR VISIBLE DAMAGE AND/OR COMPONENT SHORTAGES.
 - SHIPPING DAMAGE: FILE DAMAGE CLAIM IMMEDIATELY WITH FREIGHT CARRIER. SUPPLY DOOR SUPPLIER WITH PHOTO DOCUMENTATION TO RECEIVE REPLACEMENT COMPONENTS.
 - PART SHORTAGE: IMMEDIATELY CONTACT DOOR SUPPLIER WITH PARTS SHORTAGE CLAIM. ORDER NUMBER, DOOR MODEL, PHOTO DOCUMENTATION ARE ENCOURAGED TO EXPEDITE PROCESS.
 - INCORRECT PARTS: IF RECEIVED DOOR COMPONENTS AND PARTS DO NOT MATCH THOSE REFERENCED IN THESE INSTALLATION INSTRUCTIONS, IMMEDIATELY CONTACT DOOR SUPPLIER.
- IF AT ANY TIME BEFORE OR DURING INSTALLATION YOU ARE UNFAMILIAR, UNCOMFORTABLE, OR CONFUSED BY INSTALLATION PROCEDURES OUTLINED IN THESE INSTALLATION INSTRUCTIONS DO NOT ATTEMPT TO INSTALL DOOR ASSEMBLY. IMMEDIATELY CONTACT DOOR SUPPLIER WITH QUESTIONS/CONCERNS.



READ ALL WARNINGS BELOW



- ⚠ USE APPROPRIATE SAFETY EQUIPMENT TO AVOID SERIOUS INJURY.
- ⚠ CLEAR FLOOR AT OPENING OF ALL DEBRIS BEFORE INSTALLING PRODUCT.
- ⚠ USE APPROPRIATE LIFTING EQUIPMENT AND CORRECT LIFTING PROCEDURES TO AVOID DAMAGE, SERIOUS INJURY OR DEATH.
- ⚠ MOVING DOOR COULD RESULT IN DEATH OR SERIOUS INJURY. DO NOT CLOSE DOOR UNTIL DOORWAY IS CLEAR.
- ⚠ CONTROL THE SPEED OF THE DOOR DURING MANUAL OPERATION.
- ⚠ DO NOT STAND OR WALK UNDER A MOVING DOOR.
- ⚠ KEEP DOORWAY CLEAR AND IN FULL VIEW WHILE OPERATING DOOR.
- ⚠ DO NOT PERMIT CHILDREN TO PLAY ON, NEAR, OR WITH DOOR, OR OPERATE DOOR CONTROLS.
- ⚠ UNLOCK DOOR BEFORE OPENING DOOR.
- ⚠ SENSING DEVICES ON MOTOR OPERATING DOORS SHOULD BE TESTED FREQUENTLY.
- ⚠ VISUALLY INSPECT DOOR AND HARDWARE MONTHLY FOR WORN AND/OR BROKEN PARTS AND CHECK IF DOOR OPERATES FREELY. DO NOT OPERATE A DOOR WITH A BROKEN SPRING.
- ⚠ COMPONENTS ARE UNDER EXTREME SPRING TENSION. COULD RESULT IN DEATH OR SERIOUS INJURY.
- ⚠ DOOR MUST BE FULLY OPENED WHEN MAKING ADJUSTMENTS.
- ⚠ VERIFY OPENING WIDTH AND HEIGHT BEFORE INSTALLING GUIDES.
- ⚠ DOOR CAN FALL IF BOTH BRACKETS ARE NOT SECURELY FASTENED TO THE JAMBS. ALL FASTENERS ATTACHING BRACKETS TO JAMBS MUST FIT SECURELY INTO A STRUCTURAL MEMBER OR SURFACE. IF DOOR FALLS, SERIOUS INJURY OR DEATH AND/OR DAMAGE TO DOOR CAN RESULT.
- ⚠ BEFORE LIFTING DOOR INTO POSITION, ASSURE THAT ALL SET SCREWS ARE TIGHTENED TO ADEQUATELY SECURE AXLE SUPPORTS AND TENSIONER. FAILURE TO SECURE WILL RESULT IN FALLING PARTS, WHICH WILL LEAD TO SERIOUS INJURY OR DEATH.
- ⚠ USE APPROPRIATE LIFTING EQUIPMENT AND CORRECT LIFTING PROCEDURES TO AVOID DAMAGE, SERIOUS INJURY OR DEATH.
- ⚠ DO NOT REMOVE WRAPPING FROM DOOR UNTIL INSTRUCTED TO DO SO.
- ⚠ FAILURE TO ADHERE TO THE ABOVE CONDITIONS WILL RESULT IN PERSONAL INJURY OR PRODUCT DAMAGE NOT COVERED UNDER JANUS INTERNATIONAL PRODUCT WARRANTY. ALWAYS HANDLE PRODUCT WITH CARE. AND REVIEW ALL INSTRUCTIONS, WARNINGS, AND NOTES BEFORE INSTALLING PRODUCT.
- ⚠ REVIEW DOOR ASSEMBLY AND GENERAL PARTS DESCRIPTIONS BILL OF MATERIAL FROM PAGE 2, FIGURE 1 TO FAMILIARIZE YOURSELF WITH COMMON PARTS OF ROLLING SHEET DOOR ASSEMBLY.
- ⚠ DOOR ASSEMBLIES ARE MANUFACTURED PER OPENING WIDTHS AND HEIGHTS SPECIFIED AT TIME OF ORDER. JANUS INTERNATIONAL WILL NOT BE HELD RESPONSIBLE FOR OPENING WIDTHS OR HEIGHTS THAT DO NOT MATCH THOSE SPECIFIED AT TIME OF ORDER.

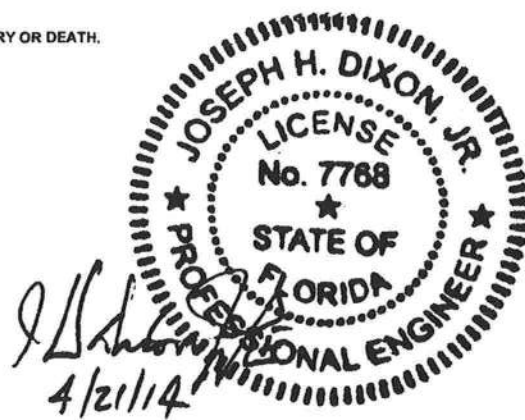
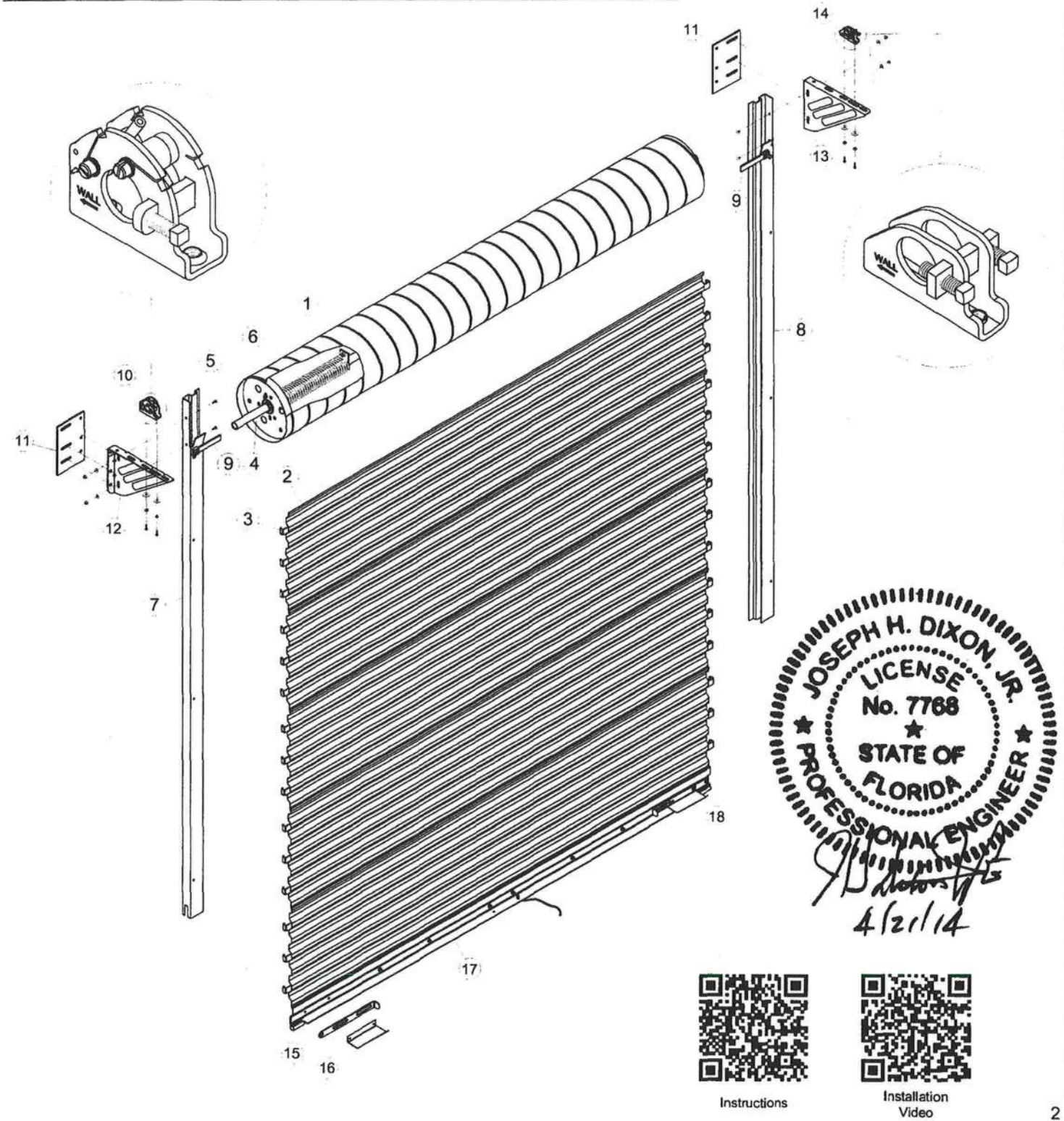


FIGURE 1: DOOR ASSEMBLY & GENERAL PART DESCRIPTIONS



GENERAL BILL OF MATERIAL

ITEM	DESCRIPTION / PART NUMBER	ITEM	DESCRIPTION / PART NUMBER	ITEM	DESCRIPTION / PART NUMBER
1	12" Spiral Barrel	7	LH - Roll Formed Guide with windbar	13	RH - Comm. Bracket
2	26 Ga. Curtain	8	RH - Roll Formed Guide with windbar	14	Stamped Axle Support
3	Windlocks	9	Headstop	15	Comm. Slide Lock
4	1 5/16" O.D. Axle	10	Tensioner	16	Comm. Step Plate
5	12" Drum	11	Mounting Plate	17	Bottom Bar Assembly
6	Spring/Counterbalance Assembly	12	LH - Comm. Bracket	18	Slide Lock Assembly

FIGURE 2: SIDEROOM CLEARANCE REQUIREMENT CHART

OPERATION	BACK OF GUIDE	OUTSIDE OF BRACKET TENSIONER END	OUTSIDE OF BRACKET DRIVE END (NON-TENSIONER)	OUTSIDE OF HAND CHAIN DRIVE	END OF AXLE CLEARANCE
PUSH-UP	4 1/4"	5 7/8"	5 7/8"	-	8 3/4"
CHAIN HOIST	4 1/4"	5 7/8"	6 3/8"	7 3/4"	8 3/4"
JACK SHAFT MOTOR	4 1/4"	5 7/8"	7 3/8"	-	8 3/4"
PANTHEON	4 1/4"	5 7/8"	7 3/8"	-	11 3/4"

IMPORTANT NOTES

- Dimensions are referenced from edge of opening
- Tensioner end and drive end can be installed at either end of door assembly
- FOR CRITICAL FITS DUE TO REDUCED AVAILABLE HEADROOM or SIDEROOM CLEARANCES, CONSULT FACTORY

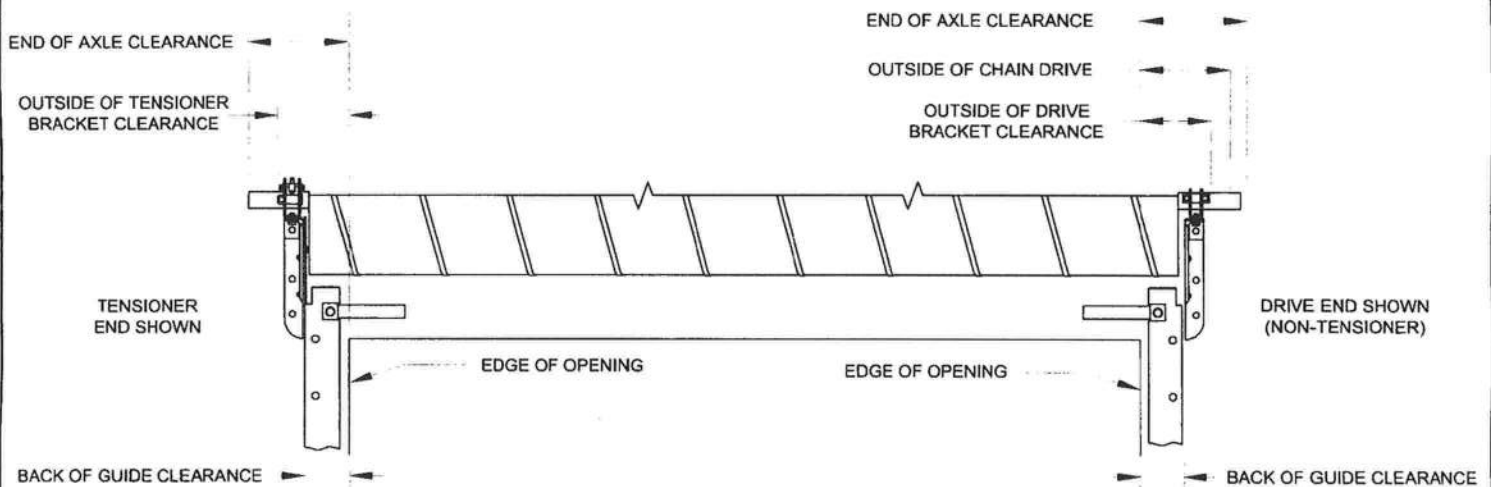
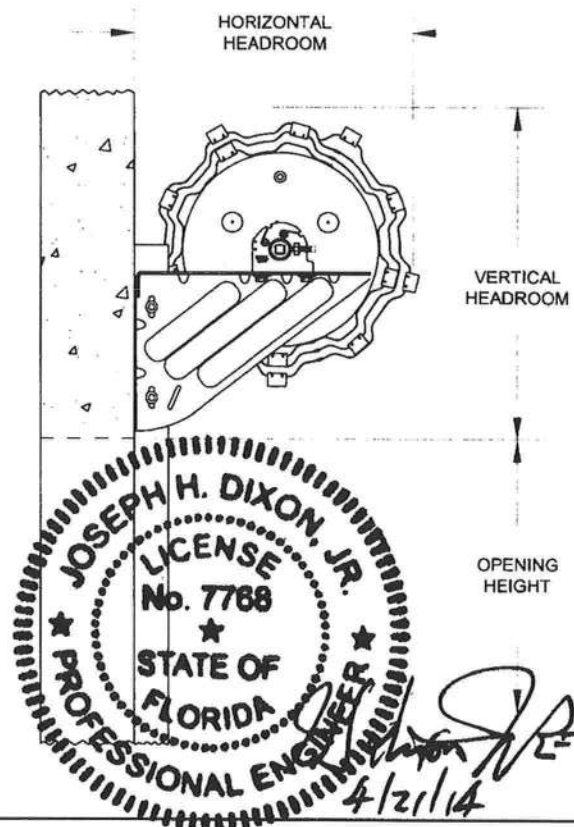


FIGURE 3: HORIZONTAL / VERTICAL HEADROOM REQUIREMENT CHART

OPENING HEIGHT	VERTICAL HEADROOM	HORIZONTAL HEADROOM
THRU 8'-0"	20"	20"
OVER 8'-0" THRU 10'-0"	21"	21"
OVER 10'-0" THRU 14'-0"	21 1/2"	21"
OVER 14'-0" THRU 16'-0"	22"	21"
OVER 16'-0" THRU 18'-0"	22"	22"
OVER 18'-0" THRU 20'-0"	22"	22"



STEP 1: VERIFY OPENING

☆Note: DOOR ASSEMBLIES ARE MANUFACTURED PER OPENING WIDTHS AND HEIGHTS SPECIFIED AT TIME OF ORDER. JANUS INTERNATIONAL WILL NOT ASSUME RESPONSIBILITY FOR OPENING WIDTHS OR HEIGHTS THAT DO NOT MATCH THOSE SPECIFIED AT TIME OF ORDER.

- ⇒ Verify opening width and height and confirm measurements match width and height detailed on door packaging label.
- ⇒ Verify that jambs are plumb.
- ⇒ Verify floor and header for level.
- ⇒ Verify adequate side clearance at jambs and clearance above and at sides of header. See Side Room and Headroom Clearance Requirement Chart (page 3, Figures 2 & 3).
- ⇒ Verify that the guide mounting surface on the jamb is flush.
- ⇒ Verify that all parts required for installation are with the door. See page 2, Figure 1 for General Bill of Material.

STEP 2: MOUNTING PLATES

☆Note: Mounting Plates are optional components for installation to steel jambs. Mounting Plates are to be installed with fasteners supplied or welded directly to steel jamb. If mounting plates were not ordered, or jamb type is other than steel, Proceed to step 3.

- ⇒ Position Mounting Plates where bottom edge is flush with header and inside edge is flush with jamb edge. See Figure 4.
- ⇒ Install mounting plates to steel jambs with 3 each $\frac{3}{8}$ - 16 x $1\frac{1}{4}$ " hex-head bolts, washers, and lock nuts supplied.

☆Note: Install washers on hex nut side only

☆Note: Assure Mounting Plates are level with each other

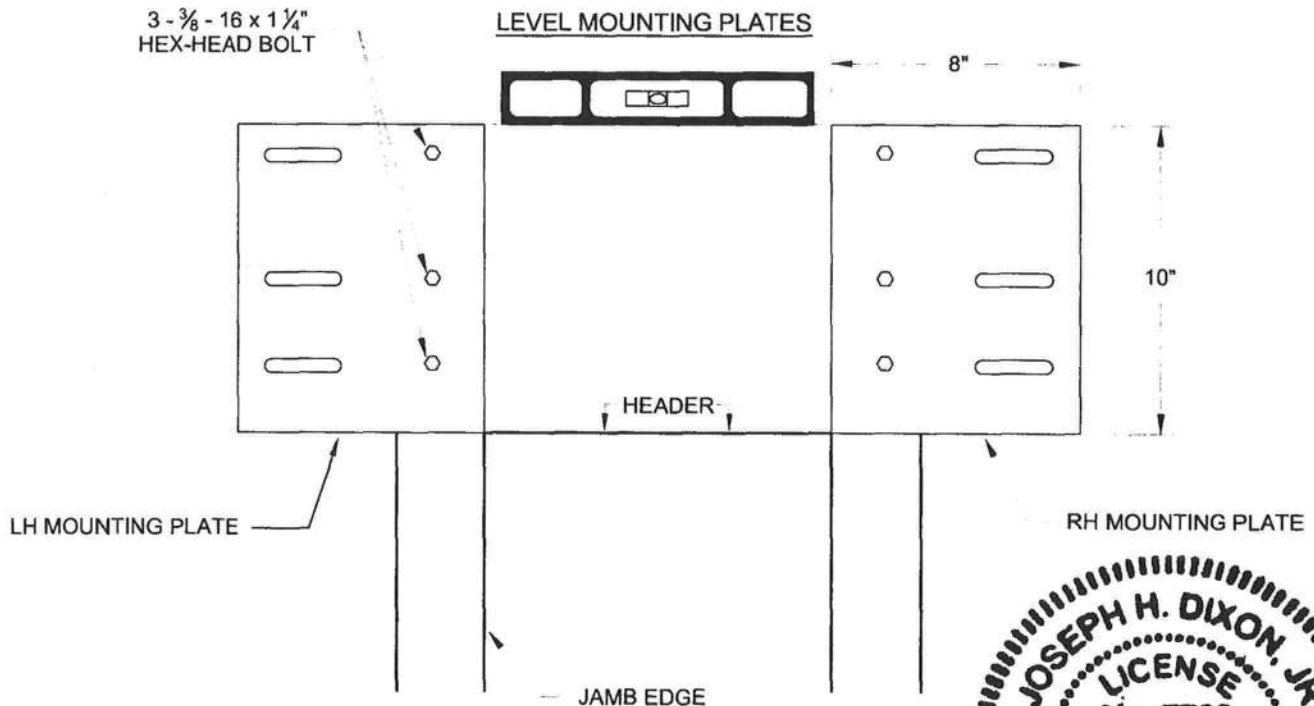


FIGURE 4: MOUNTING PLATE INSTALLATION



STEP 3: COMMERCIAL BRACKETS TO GUIDES

⚠ **Note:** GUIDE BELLMOUTH FOR CURTAIN ENTRY INTO GUIDE IS FACTORY NOTCHED. APPLY 15°-20° BEND IN BELLMOUTH TO ASSURE SMOOTH CURTAIN ENTRY. FAILURE TO FLARE GUIDE BELLMOUTH WILL RESULT IN CURTAIN SCRATCHING AND/OR DAMAGE.

⇒ Attach Commercial Brackets to guides, locating top surface of bracket 2" below top of guide. Use 2 each $\frac{1}{4}$ - 20 x $\frac{5}{8}$ " carriage bolts, $\frac{1}{4}$ - 20 serrated flange hex nuts and $\frac{1}{4}$ " flat washers per bracket for tensioner and the non-tensioner (drive) end for push-up operation. See Figure 5.

⚠ **Note:** DOOR DRIVE OPERATION MAY BE INSTALLED ON EITHER END OF DOOR ASSEMBLY

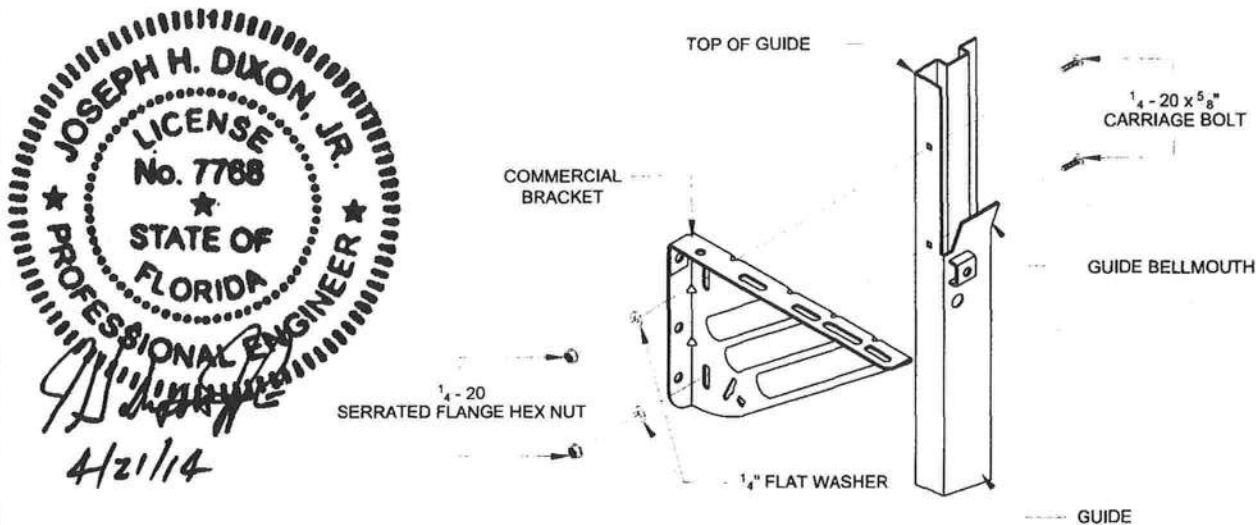


FIGURE 5: TENSIONER END (LH Shown/RH Opposite)

⚠ **Note:** FOR MANUAL PUSH-UP OPERATION, SPACERS ARE NOT PROVIDED OR REQUIRED FOR COMMERCIAL BRACKET MOUNT.

⇒ **Reduced Hand Chain Drive:** Attach Commercial Brackets to guides, locating top surface of bracket 2" below top of guide. Install drive bracket with 2 each $\frac{1}{4}$ - 20 x $1\frac{3}{4}$ " carriage bolts, $\frac{1}{4}$ - 20 serrated flange hex nuts and $\frac{1}{4}$ " flat washers. Insert 1 each $\frac{1}{2}$ " O.D. x $\frac{1}{2}$ " long spacer tubes between guide and bracket at each bolt location. See Figure 6.

⇒ **Jack Shaft Motor Operation:** Attach Commercial Brackets to guides, locating top surface of bracket 2" below top of guide. Install drive bracket with 2 each $\frac{1}{4}$ - 20 x $2\frac{1}{2}$ " carriage bolts, $\frac{1}{4}$ - 20 serrated flange hex nuts and $\frac{1}{4}$ " flat washers. Insert 1 each $1\frac{1}{4}$ " O.D. x $1\frac{1}{2}$ " long spacer tubes between guide and bracket at each bolt location. See Figure 6.

⇒ **Pantheon Motor Operation:** Install drive bracket with $1\frac{1}{2}$ " spacing between outside of guide and inside of bracket. No spacers are provided for this application. Locate top surface of bracket 2" below top of guide. See Figure 6. (Spacers not provided)

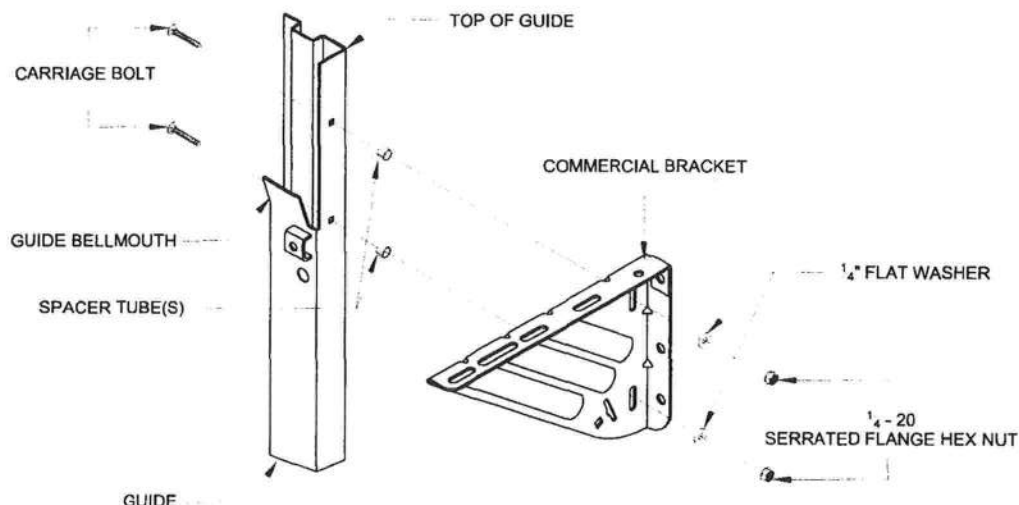


FIGURE 6: DRIVE END (RH Shown/LH Opposite)

STEP 4: GUIDES AND BRACKETS TO JAMB

Brackets and guides must be attached to jambs using fasteners as specified in Table 1.

TABLE 1: GUIDE & COMMERCIAL BRACKET FASTENERS

ITEM	JAMB	FASTENERS	DRILL SIZE
BRACKETS	Steel	$\frac{3}{8}$ - 16 x 1 $\frac{1}{4}$ " Hex Bolt and Nut	$\frac{7}{16}$ "
	Concrete or Filled Block	$\frac{3}{8}$ " x 1 $\frac{3}{4}$ " Powers Wedge-Bolt	Powers SDS+ 01318
GUIDES	Steel	$\frac{1}{4}$ " - 14 x 1" TEKS Screw	None
	Concrete or Filled Block	$\frac{3}{8}$ " x 4" Powers Wedge-Bolt	Powers SDS+ 01318



VERIFY OPENING WIDTH AND HEIGHT BEFORE INSTALLING GUIDES.



Note: DOOR ASSEMBLIES ARE MANUFACTURED PER OPENING WIDTHS AND HEIGHTS SPECIFIED AT TIME OF ORDER. JANUS INTERNATIONAL WILL NOT ASSUME RESPONSIBILITY FOR OPENING WIDTHS OR HEIGHTS THAT DO NOT MATCH THOSE SPECIFIED AT TIME OF ORDER.

Guides to be mounted centered about the opening. Back of guide placement/measurement from jamb edge is 4 $\frac{1}{4}$ " per side. Overall back of guide to back of guide measurement to be Opening Width + 8 $\frac{1}{2}$ ". See figure 7.



FIGURE 7: GUIDE PLACEMENT

THREE MOUNTING OPTIONS EXIST AND ARE DICTATED BY JAMB TYPE AND/OR THICKNESS

- OPTION 1: Steel jambs $\frac{3}{16}$ " or greater. $\frac{1}{4}$ " - 14 x 1" self drilling/tapping screws at toe of guide. See Figure 8
- OPTION 2: Masonry jambs. $\frac{3}{8}$ " x 4" Powers Wedge Bolt at inside of guide. See Figure 9
- OPTION 3: Steel Jambs less than $\frac{3}{16}$ " thickness. $\frac{1}{4}$ " - 14 x 1" self drilling/tapping screws at toe and inside of guide. See Figure 10.

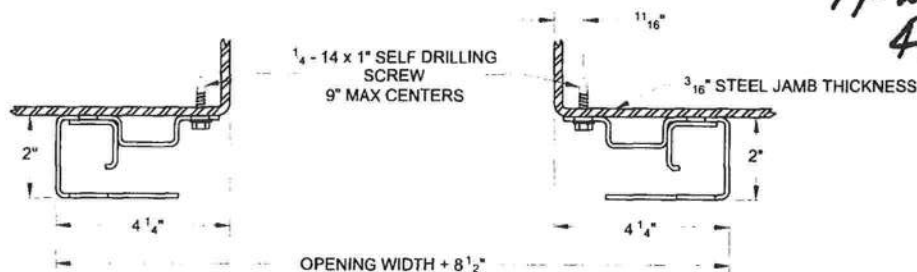
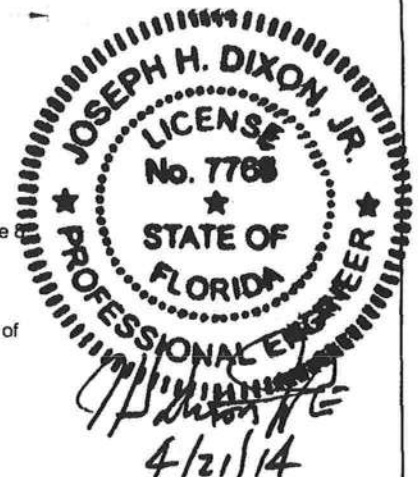


FIGURE 8: GUIDE MOUNTING - OPTION 1



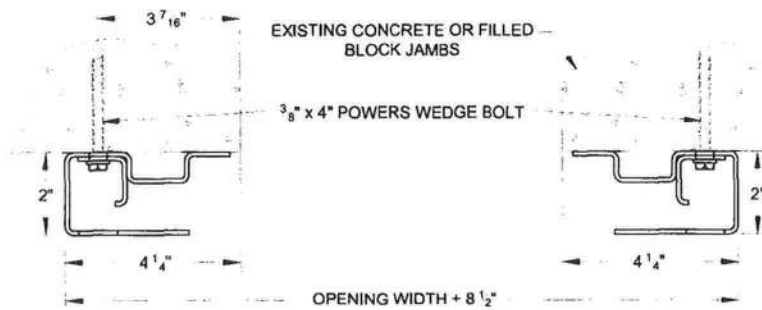


FIGURE 9: GUIDE MOUNTING - OPTION 2

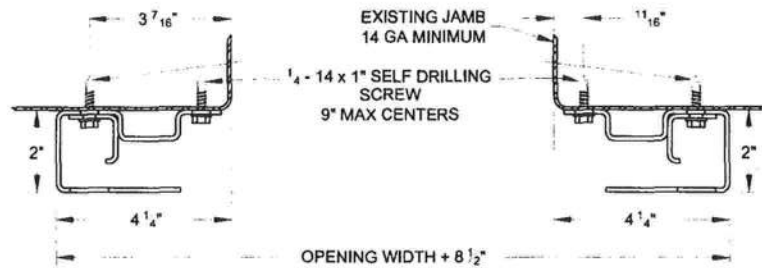


FIGURE 10: GUIDE MOUNTING - OPTION 3

- ⇒ Install guides per mounting option detail that applies to specific installation applications. See Figure 8, 9 or 10.
- ⇒ Install guides and brackets with fasteners supplied, which should match those referenced on Page 6, Table 1.

⚠Note: Figure 11 below illustrates bracket mount to steel jambs via mounting plates. Refer to Page 6, Table 1 for appropriate fastener type per jamb type.

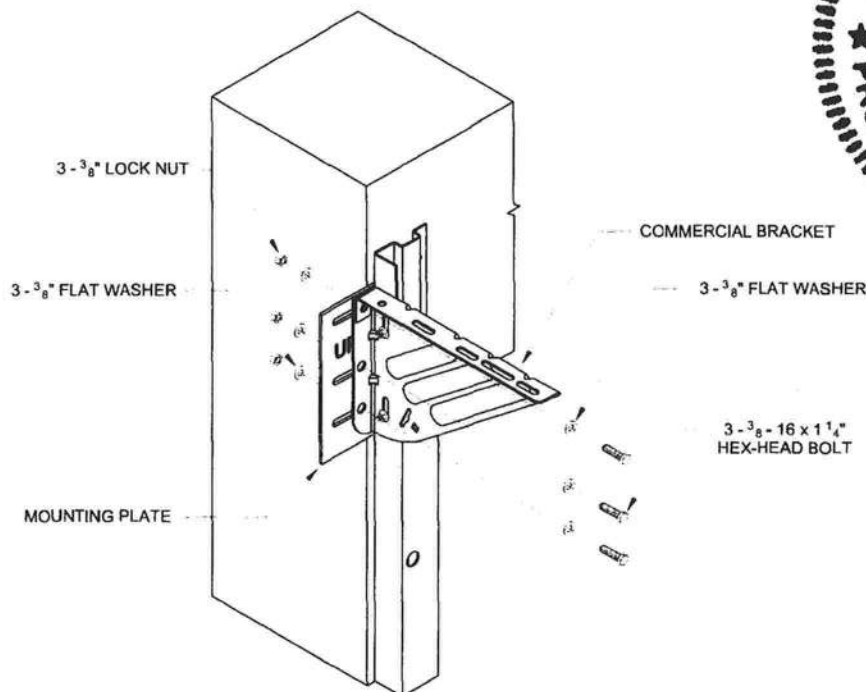
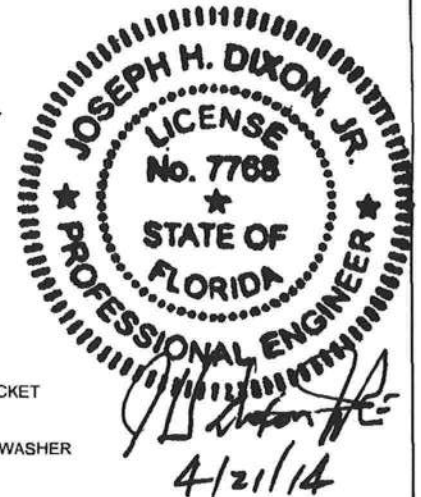


FIGURE 11: COMMERCIAL BRACKET TO WALL (STEEL JAMB)



DOOR CAN FALL IF BOTH BRACKETS ARE NOT SECURELY FASTENED TO THE JAMBS. ALL FASTENERS ATTACHING BRACKETS TO JAMBS MUST FIT SECURELY INTO A STRUCTURAL MEMBER OR SURFACE. FALLING DOOR WILL RESULT IN SERIOUS INJURY OR DEATH AND/OR DAMAGE TO DOOR.

STEP 5: PUSH-UP TENSIONER END - FLOOR LEVEL INSTALLATION

- ⇒ Rotate tensioner release arm towards wall.
- ⇒ Slide tensioner over axle, with arrow pointing toward wall, until approximately $2\frac{7}{8}$ " of axle is outside of tensioner. Allow release arm to rotate back towards starting position. See Figure 12.
- ⇒ Tighten set screw when in place.

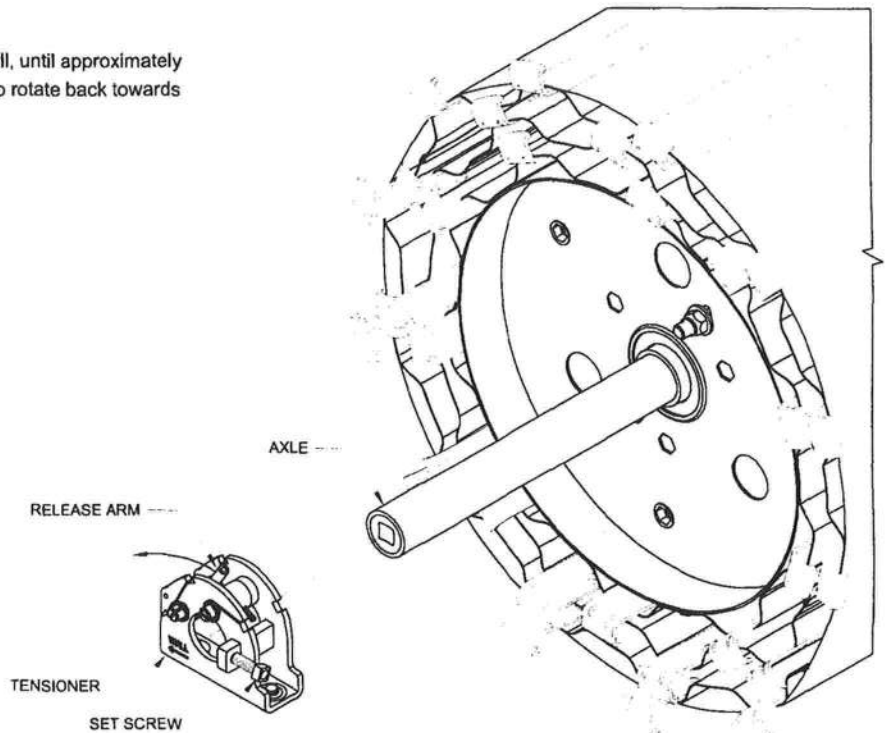


FIGURE 12: TENSIONER TO AXLE

STEP 6: PUSH-UP NON-TENSIONER END - FLOOR LEVEL INSTALLATION

- ⇒ Slide stamped axle support over axle, with arrow pointing toward wall. See Figure 13.
- ⇒ Slide stamped axle support over axle until approximately $2\frac{7}{8}$ " of axle is outside of stamped axle support.
- ⇒ Tighten set screws when in place.

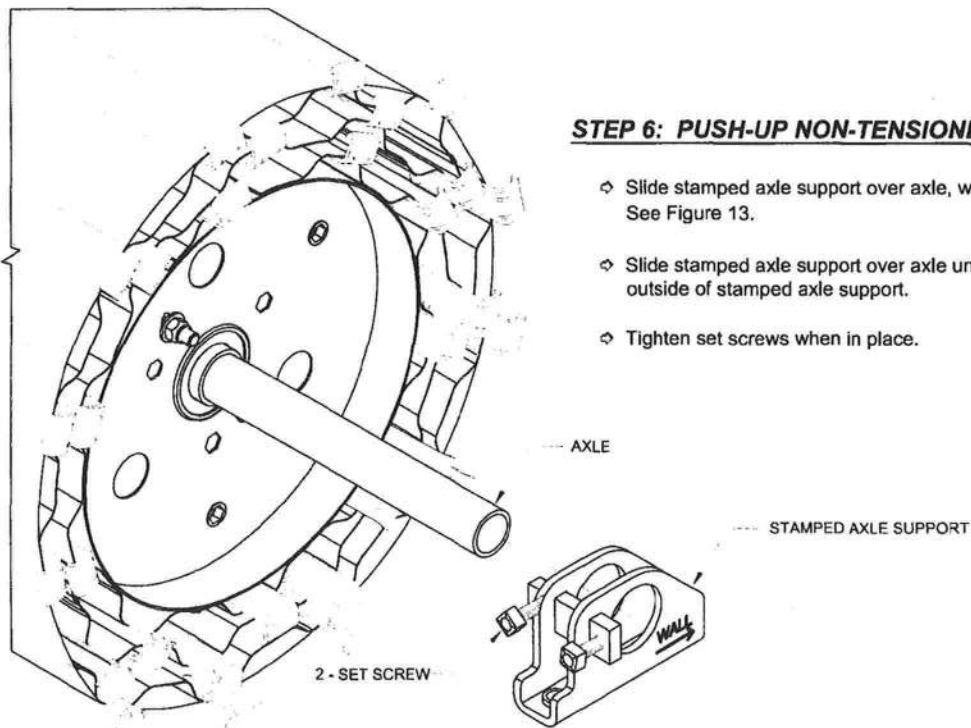


FIGURE 13: STAMPED AXLE SUPPORT TO AXLE



STEP 7a: REDUCED HAND CHAIN DRIVE END - FLOOR LEVEL INSTALLATION

- ◇ Fasten cast ring gear to drum using 3 each $\frac{3}{8}$ - 16 x $1\frac{1}{2}$ " grade 5 hex bolts and $\frac{3}{8}$ " lock washers.
- ◇ Install 2 each $\frac{3}{8}$ - 16 x 1" square head set screws in the threaded holes in the cast axle support. These will be tightened against the axle later.
- ◇ Slide cast axle support over axle until approximately $2\frac{3}{8}$ " of axle is outside of cast axle support. See Figure 14.
- ◇ Tighten set screws when in place.

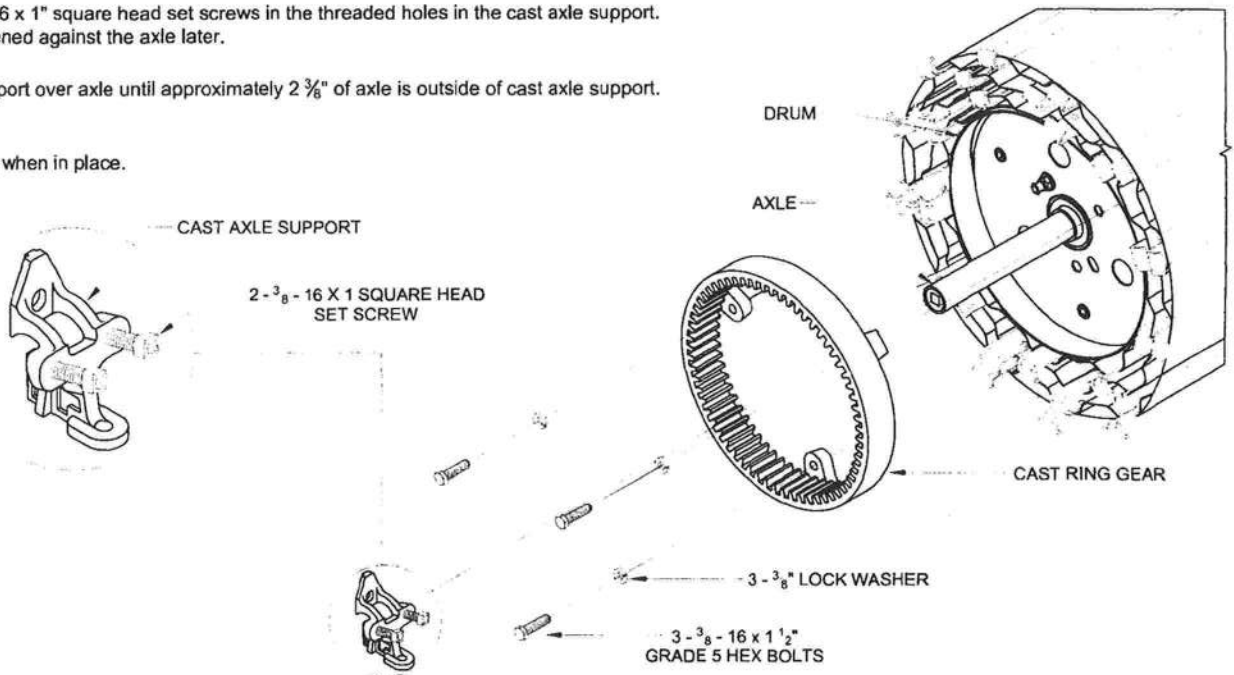


FIGURE 14: CAST AXLE SUPPORT AND CAST RING GEAR TO DRUM ASSEMBLY

STEP 7b: ELECTRIC OPERATOR DRIVE END - FLOOR LEVEL INSTALLATION

- ◇ Locate 3 each 1" O.D. x $2\frac{3}{8}$ " long spacer tubes and struts between 72 tooth sprocket and drum. Attach sprocket with 3 each $\frac{3}{8}$ - 16 x $3\frac{1}{2}$ " grade 5 hex bolts and $\frac{3}{8}$ " lock washers.
- ◇ Slide stamped axle support over axle, with arrow pointing toward wall, until approximately $1\frac{3}{8}$ " of axle is outside of stamped axle support. See Figure 15.
- ◇ Tighten set screws when in place.

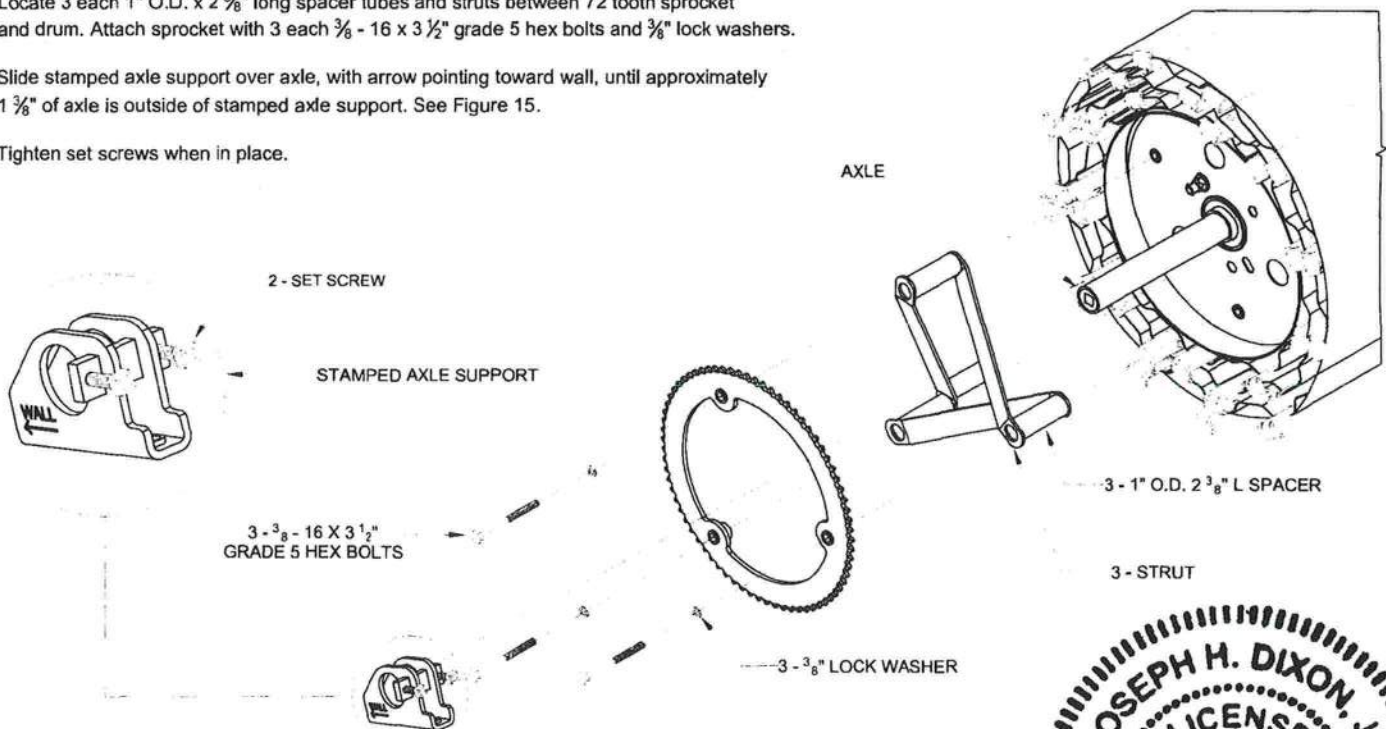
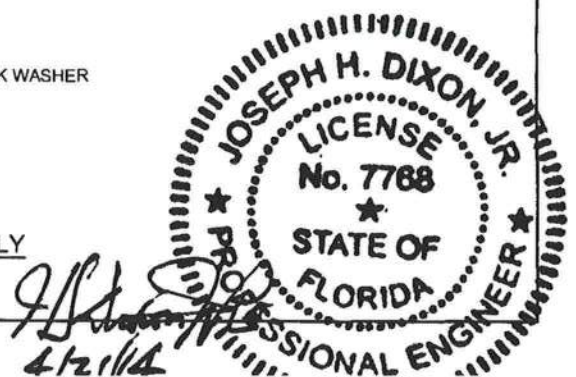


FIGURE 15: EO KIT TO DRUM ASSEMBLY



STEP 7c: PANTHEON DRIVE END - FLOOR LEVEL INSTALLATION

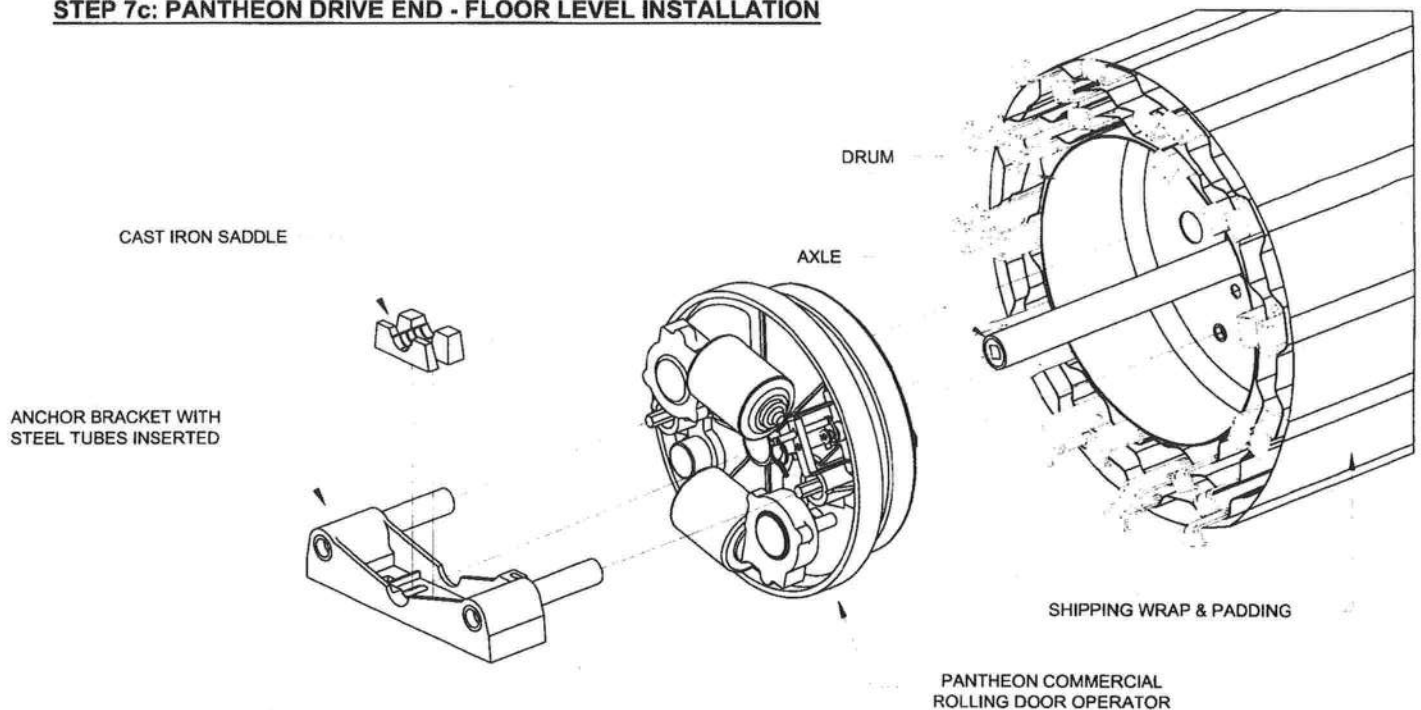


FIGURE 16: PANTHEON BARREL ASSEMBLY

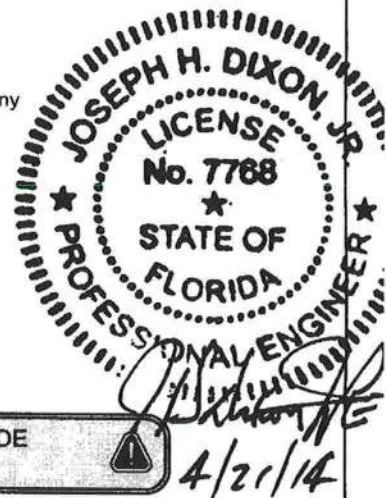
BEFORE LIFTING DOOR INTO POSITION, ASSURE THAT ALL SET SCREWS ARE TIGHTENED TO ADEQUATELY SECURE AXLE SUPPORTS AND TENSIONER. FAILURE TO SECURE WILL RESULT IN FALLING PARTS, WHICH WILL LEAD TO SERIOUS INJURY OR DEATH.

STEP 8: RAISING DOOR ASSEMBLY ONTO BRACKETS

- Before lifting, orient bottom bar at 12 o'clock position.
- Raise door using appropriate lifting equipment, assuring a protective barrier is maintained between product and any surface or object that it may come into contact with.
- Position door on brackets with tensioner and axle support resting safely on top of commercial bracket flange. See Figures 17-20 for appropriate drive type application.
- Door should be positioned as close as possible to the header and still be able to rotate and clear bottom bar.
- Each end of door should be equal distance from the header and the curtain must be centered in the opening.

ASSURE BELLMOUTH AS INSTRUCTED IN STEP 3. FAILURE TO FLARE GUIDE BELLMOUTH WILL RESULT IN CURTAIN SCRATCHING AND/OR DAMAGE.

USE APPROPRIATE LIFTING EQUIPMENT AND CORRECT LIFTING PROCEDURES TO AVOID DAMAGE, SERIOUS INJURY OR DEATH.



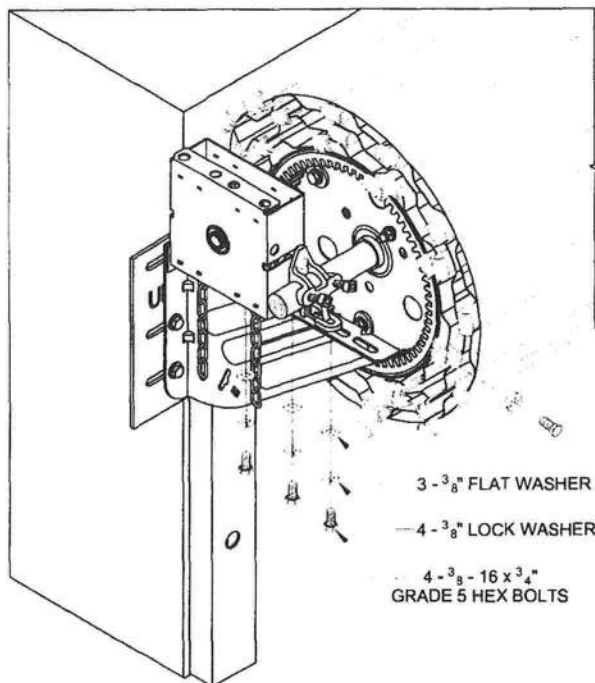


FIGURE 17: CAST AXLE SUPPORT TO BRACKET

DO NOT REMOVE WRAPPING FROM DOOR UNTIL INSTRUCTED TO DO SO.

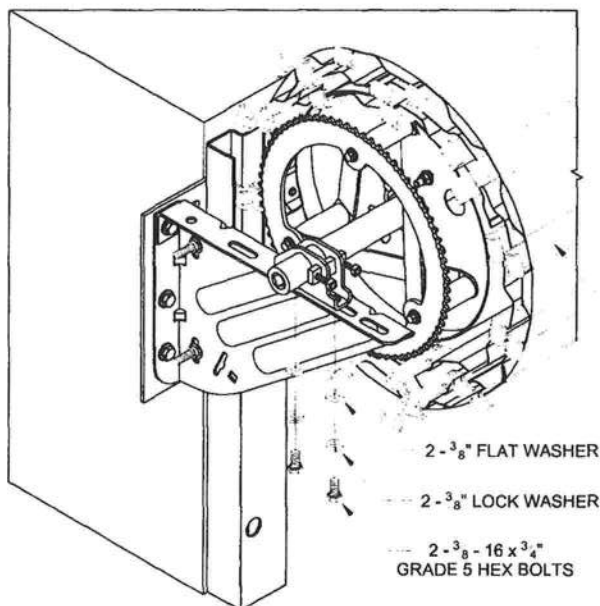


FIGURE 18: STAMPED AXLE SUPPORT TO BRACKET

STEP 9a: REDUCED HAND CHAIN DRIVE END

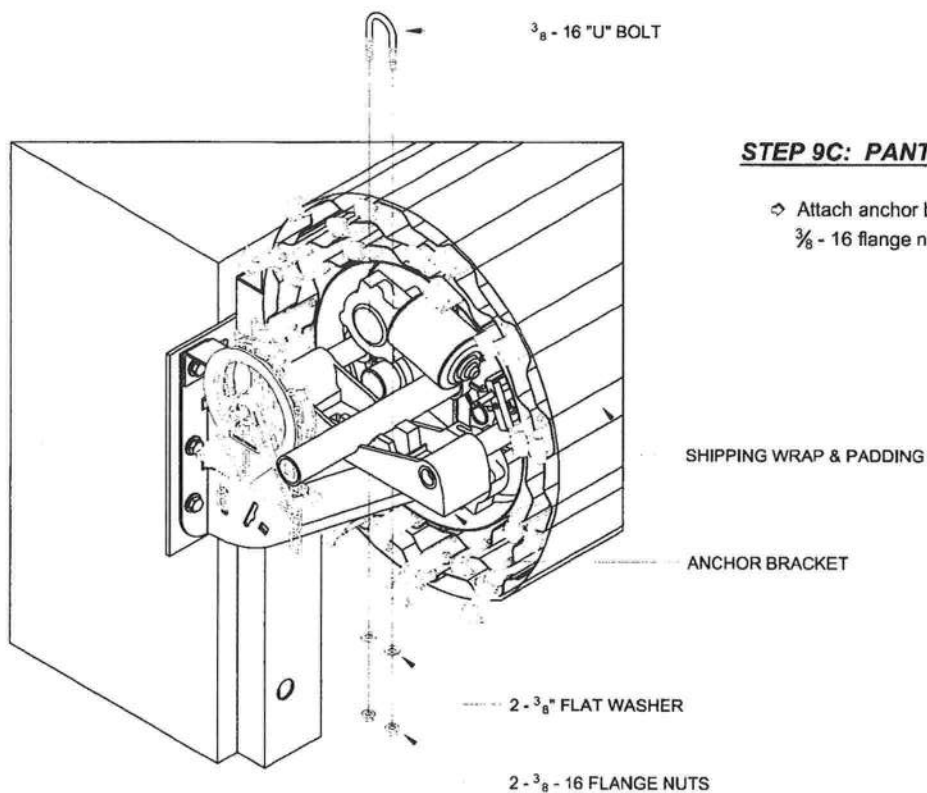
- Attach cast axle support to commercial bracket using $\frac{3}{8}$ - 16 x $\frac{3}{4}$ " grade 5 hex bolt, $\frac{3}{8}$ " lock washer and $\frac{3}{8}$ " flat washer.
- Position chain hoist assembly on door bracket next to cast axle support and attach to door bracket using 2 each $\frac{3}{8}$ - 16 x $\frac{3}{4}$ " grade 5 hex bolts, $\frac{3}{8}$ " lock washers and $\frac{3}{8}$ " flat washers. The spur gear on the hoist will engage with the internal teeth of the previously installed cast ring gear. See figure 17.
- Connect cast axle support bracket to side of chain hoist using $\frac{3}{8}$ - 16 x $\frac{3}{4}$ " hex bolt and $\frac{3}{8}$ " lock washer. See Figure 17.
- Feed hand chain over chain pocket wheel and through hoist. Connect ends of hand chain, being careful not to twist chain. Hand chain may be lengthened or shortened as necessary.
- Install hand chain keeper on wall or jamb.

STEP 9b: ELECTRIC OPERATOR DRIVE END

- Attach stamped axle support to commercial bracket using 2 each $\frac{3}{8}$ - 16 x $\frac{3}{4}$ " grade 5 hex bolt, $\frac{3}{8}$ " lock washer and $\frac{3}{8}$ " flat washer. See figure 18.

— SHIPPING WRAP & PADDING





STEP 9C: PANTHEON DRIVE END

- ⇒ Attach anchor bracket to commercial bracket using u-bolt and 2 each $\frac{3}{8}$ - 16 flange nuts and $\frac{3}{8}$ " flat washers. See Figure 19.

FIGURE 19: PANTHEON ASSEMBLY TO BRACKET

STEP 10: TENSIONER END

- ⇒ Attach tensioner to commercial bracket using 2 each $\frac{3}{8}$ - 16 x $\frac{3}{4}$ " grade 5 hex bolts, $\frac{3}{8}$ " lock washers and $\frac{3}{8}$ " flat washers. See Figure 20.

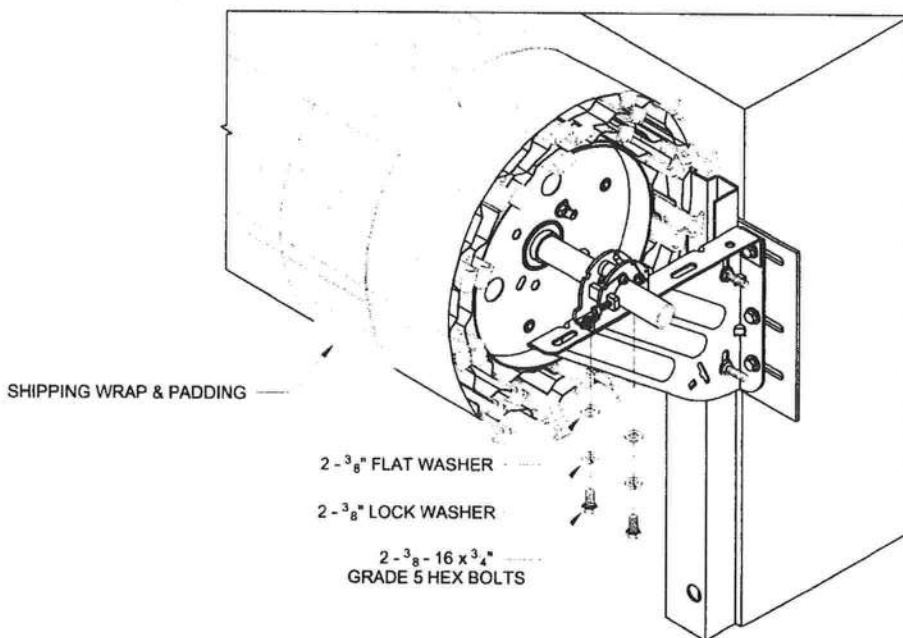
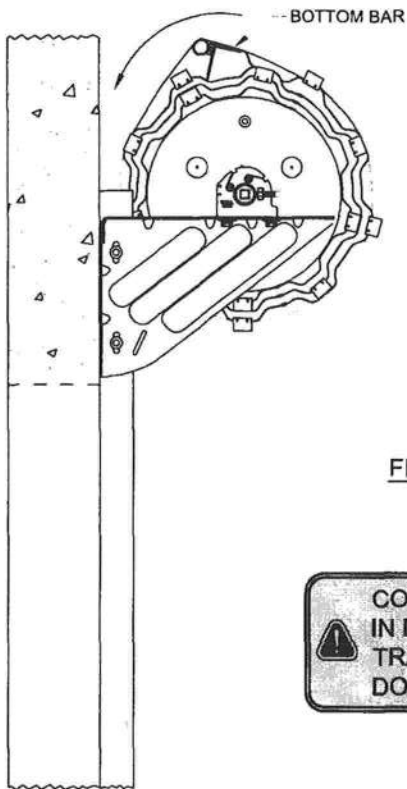


FIGURE 20: TENSIONER TO BRACKET

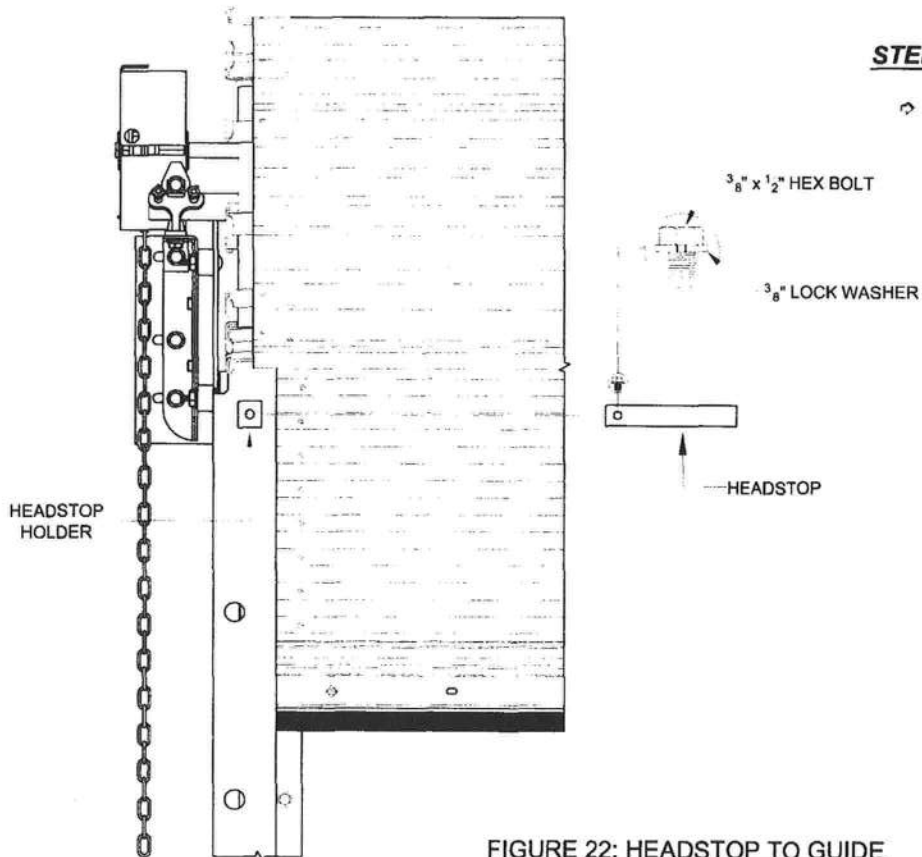


STEP 11: SETTING INITIAL SPRING TENSION

- With bottom bar at 12 o'clock position, rotate door towards wall $1\frac{1}{2}$ revolutions.
- While firmly holding door at bottom bar, cut packaging that secures the door. Direct bottom bar into guides, stopping just below headstop area. See Figure 21.

FIGURE 21: DOOR ASSEMBLY, TENSIONER SIDE

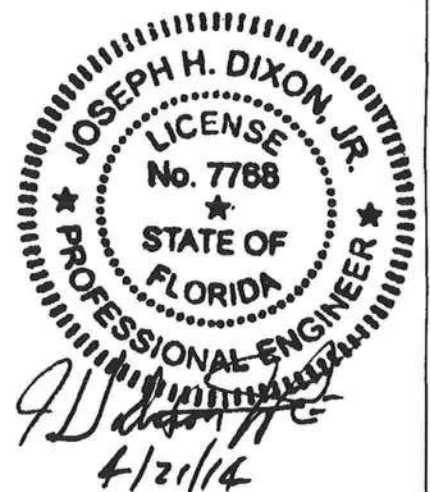
⚠ **COMPONENTS UNDER EXTREME SPRING TENSION COULD RESULT IN DEATH OR SERIOUS INJURY. ADJUSTMENTS MUST BE MADE BY TRAINED ROLLING DOOR TECHNICIANS USING PROPER TOOLS. DOOR MUST BE FULLY OPENED WHEN MAKING ADJUSTMENTS.** ⚠

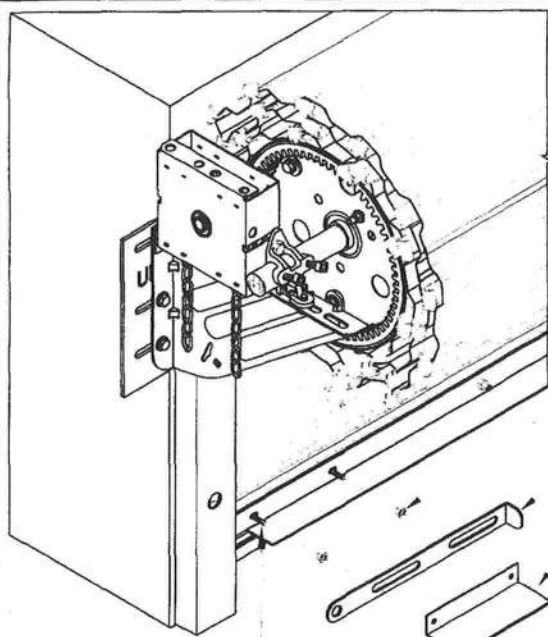


STEP 12: HEADSTOP INSTALLATION

- Slide headstop into headstop holder, lining up holes on each. Attach headstop using $\frac{3}{8}$ " x $\frac{1}{2}$ " hex bolt and $\frac{3}{8}$ " lock washer as shown in Figure 22.

FIGURE 22: HEADSTOP TO GUIDE





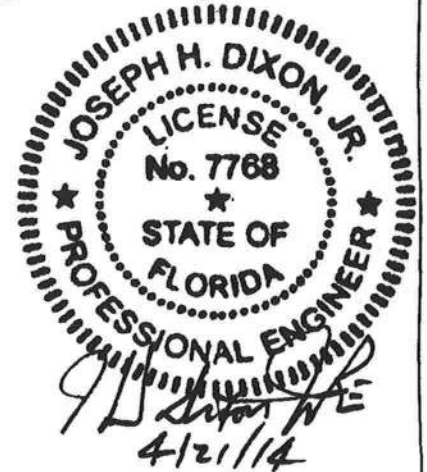
2 - $\frac{1}{4}$ " x 1" HEX BOLT

2 - $\frac{5}{16}$ " HEX NUT
SLIDE LOCK
— STEP PLATE
— 2 - $\frac{1}{4}$ " FLAT WASHER
2 - $\frac{1}{4}$ " x 20 NYLON
INSERT NUT

FIGURE 23: ATTACHING SLIDE LOCK ASSEMBLY

STEP 13: SLIDE LOCK ASSEMBLY INSTALLATION

- Lower bottom bar and install slide lock and step plate using 2 each $\frac{1}{4}$ " - 20 x 1" hex bolts, $\frac{5}{16}$ " - 18 hex nuts, $\frac{1}{4}$ " flat washers and $\frac{1}{4}$ " - 20 nylon insert hex nuts. Do this at both ends of bottom bar. See Figure 23.
- Transfer the $\frac{1}{4}$ " - 20 x $\frac{1}{2}$ " carriage bolts and $\frac{1}{4}$ " - 20 serrated flange hex nuts that were removed from both ends of the bottom bar to the 2 holes at the center of the bottom bar and angle.
- For push-up operation only, install rope in one of the holes at the center of the horizontal leg of the bottom bar angle.



STEP 14: DOOR OPERATION

⚠ **Note:** Before cycling door to test door operation, assure that all fasteners and set screws are tightened and securing all components.

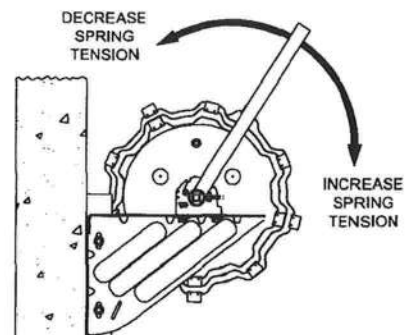
- Cycle door by raising and lowering door to its fully closed and fully opened position.
- Set limits of electrically operated doors at this time.
- Evaluate spring tension. If adjustments to spring are required, proceed to Step 15.

⚠ **COMPONENTS UNDER EXTREME SPRING TENSION COULD RESULT IN DEATH OR SERIOUS INJURY. ADJUSTMENTS MUST BE MADE BY TRAINED ROLLING DOOR TECHNICIANS USING PROPER TOOLS. DOOR MUST BE FULLY OPENED WHEN MAKING ADJUSTMENTS.** ⚠

STEP 15: ADJUST SPRING TENSION

- Before increasing or decreasing spring tension, loosen $\frac{3}{8}$ " - 16 square head set screws in tensioner and axle support at both ends of door.
- **INCREASING SPRING TENSION:** At tensioner end, using pipe wrench, rotate axle/pipe wrench away from wall. Increase tension in $\frac{1}{4}$ - $\frac{1}{2}$ turn increments. Allow axle/pipe wrench to ease back towards wall until tensioner secures axle rotation. Re-set set screws and re-evaluate spring tension by cycling door.
- **DECREASING SPRING TENSION:** At tension end, using pipe wrench, rotate axle/pipe wrench away from wall slightly. Holding this position, rotate tensioner release arm towards wall. Carefully allow axle/wrench to rotate towards wall in $\frac{1}{4}$ turn increments. While holding this position, allow tensioner release arm to rotate back to its starting position. Carefully allow axle/pipe wrench to ease back until tensioner secures axle rotation. Re-tighten set screws and re-evaluate spring tension by cycling door.

⚠ **INCREASING OR DECREASING SPRING TENSION MUST BE DONE FROM TENSIONER SIDE OF DOOR ASSEMBLY.** ⚠



STEP 16: WARNING LABEL

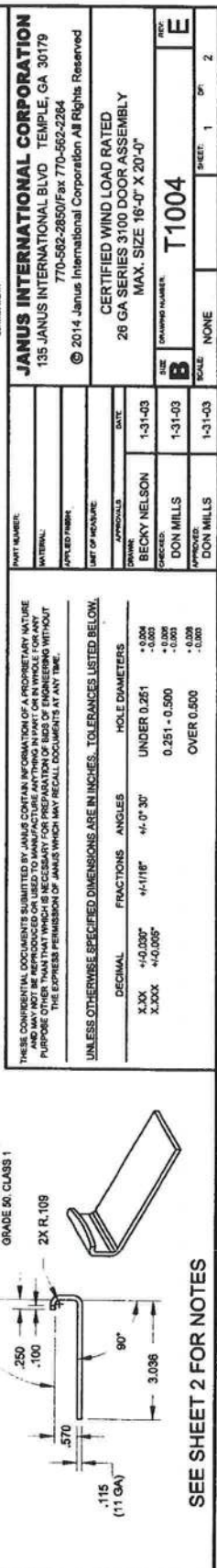
- Apply warning label at a readable height on the drive side door guide or jamb.



.438 x .750
 (CONC/BULK)
 OR
 .313 x .500
 (STEEL)
 ROUNDED END SLOT
 OR NONE WHEN
 PLUG WELDED
 1.188
 .897
 .105
 .984
 90°

PROFESSIONAL ENGINEERING

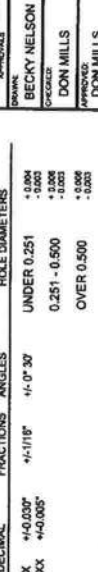
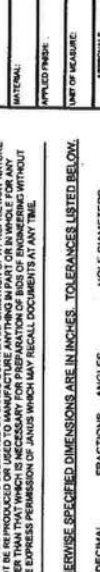
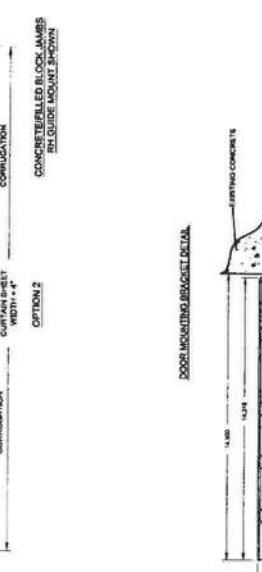
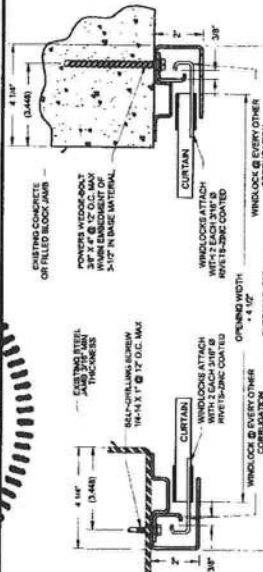
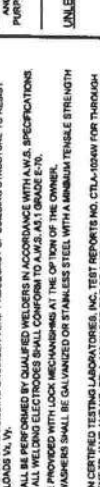
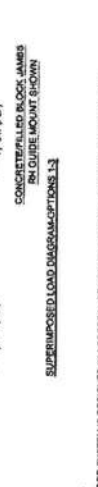
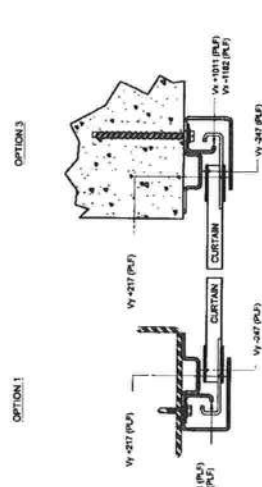
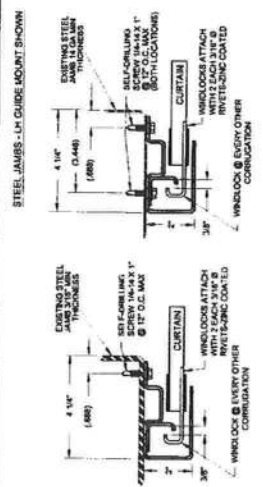
SIZE 20LT, 20 X 1.34" LONG



SEE SHEET 2 FOR NOTES

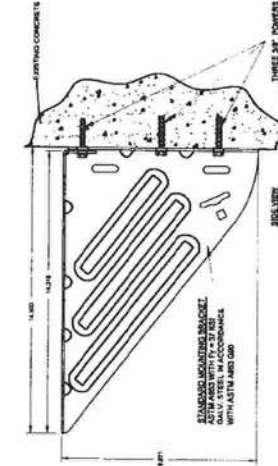
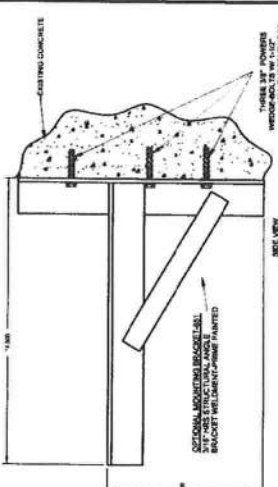


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4/1/14



REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	DRAWING RELEASE	1-31-03	DM
B	GUIDE ATTACH AT TOE	11-13-03	DM
C	ADD GUIDE OPTION 3	4-13-04	DM
D	NOTE REVISION	8-17-08	CS
E	ADDED 1\"/>		

ALLOWABLE TRANSVERSE DESIGN WIND LOADS (PSF)			
MAX DOOR WIDTH	MAX DOOR HEIGHT	DESIGN LOAD POSITIVE (PSF)	DESIGN LOAD NEGATIVE (PSF)
8'-0"	20'-0"	77.4	86.4
9'-0"	20'-0"	61.3	68.9
10'-0"	20'-0"	50.2	56.7
11'-0"	20'-0"	42.1	47.7
12'-0"	20'-0"	36.0	41.0
13'-0"	20'-0"	31.3	35.8
14'-0"	20'-0"	27.5	31.6
15'-0"	20'-0"	24.5	28.1
16'-0"	20'-0"	22.0	25.3



THREE 3/8\"/>

THREE 3/8\"/>

JANUS INTERNATIONAL CORPORATION
135 JANUS INTERNATIONAL BLVD TEMPLE, GA 30179
770-562-2550/Fax 770-562-2264
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CERTIFIED WIND LOAD RATED
26 GA SERIES 3100 DOOR ASSEMBLY
MAX. SIZE 16'-0\"/>

DATE	1-31-03
BY	BECKY NELSON
CHECKED	DON HILLS
APPROVED	DON HILLS
SCALE	NONE
SHEET	2 OF 2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES LISTED BELOW.			
DECIMAL	FRACTIONS	ANGLES	HOLE DIAMETERS
X.XX	+1/16"	1/2° 30'	UNDER 0.251
X.XXX	+0.0005"		0.251 - 0.500
			OVER 0.500

GENERAL NOTES

- THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) AND INTERNATIONAL BUILDING CODE (IBC). THE REQUIRED DESIGN WIND PRESSURES FOR A DOOR IN ANY JURISDICTION OUTSIDE OF FLORIDA, BEYOND THE JURISDICTION OF THE FBC OR IBC, SHALL BE DETERMINED IN ACCORDANCE WITH SECTION 1608 OF THE FBC OR WITH THE LOCAL BUILDING CODE IN EFFECT FOR THE SPECIFIC LOCATION.
- THIS ROLL-UP DOOR HAS BEEN SUCCESSFULLY TESTED ACCORDING TO THE UNIFORM STATIC AIR PRESSURE TEST METHOD (ASTM E189) AND THE UNIFORM CYCLIC TEST METHOD (ASTM E189) TO DETERMINE THE DESIGN WIND LOADS. A TEST LOAD OF 1.3 X DESIGN LOAD HAS BEEN USED.
- WIND LOADS FOR BUILDING OPTIONS SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER USING THE DESIGN WIND SPEEDS AND EXPOSURE CATEGORY SPECIFIED IN THE LOCAL BUILDING CODE. THE DESIGN WIND SPEEDS SHALL BE USED WHERE THE DESIGN LOADS ARE NOT SPECIFIED.
- SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNED AS V₁ AND V₂ PEREN. CONTRACTORS SHALL HAVE BUILDING ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS V₁ AND V₂.
- ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.M.S. SPECIFICATIONS FOR WELDING OF STEEL. WELDERS SHALL CONFORM TO A.M.S. AS 11 GRADE E-V.
- DOORS SHALL BE PROVIDED WITH DOOR STOP AND WADERS SHALL BE CALIBRATED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 80 KSI.
- DESIGN BASED ON CERTIFIED TESTING LABORATORIES, INC. TEST REPORTS NO. CTA-1024V FOR THROUGH GUIDE ATTACHMENT TO JAMB AND NO. CTA-1154V FOR TOE OF GUIDE ATTACHMENT TO JAMB.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- FOR FOLLOW-UP MAINTENANCE, FILL ALL CELLS & ANCHORS WITH 2600 PSI GROUT.
- DOOR TO JAMB ATTACHMENT FASTENERS BEGIN 4" FROM FLOOR AND 4" BELOW TOP OF THE WALL OPENING.
- DOOR TO JAMB ATTACHMENT FASTENERS BEGIN 4" FROM FLOOR AND 4" BELOW TOP OF THE WALL OPENING.



AMERICAN DREAMS RV CENTER SITE PLAN
SECTION 24, TOWNSHIP 4 SOUTH, RANGE 16 EAST
LAKE CITY, COLUMBIA COUNTY, FLORIDA



LOCATION MAP
NOT TO SCALE

NOTES

1. SITE PARCEL: 24-45-16-03120-501
2. FUTURE LAND USE: INDUSTRIAL
3. ZONING: ILW
4. SITE ADDRESS: 230 SW WINDSWEEP GLEN, LAKE CITY, FL

SHEET INDEX

- 1 COVER SHEET
- 2 NOTES, LEGEND & DETAILS
- 3 OVERALL SITE PLAN
- 4 SITE PLAN
- 5 GRADING PLAN
- 6 LANDSCAPING PLAN

OWNER:

FROST RV REPAIR CENTER
230 WINDSWEEP GLEN
LAKE CITY, FL 32024
CONTACT: JEAN FROST
jeanfrost0704@yahoo.com

CIVIL ENGINEER:

CAROL CHADWICK, P.E.
1208 S.W. FAIRFAX GLEN
LAKE CITY, FL 32025
307.680.1772
ccpewyo@gmail.com

SURVEYOR:

DANIEL & GORE, LLC
PO BOX 1501
LAKE CITY, FL 32056
386.752.9019
sdaniel@dgsurveying.com

CONTRACTOR:

DMC CONSTRUCTION, INC.
184 N MARION AVENUE
LAKE CITY, FL 32024
386.867.5055
stephen@dmcnf.com



Digitally signed by Carol
Chadwick
DN: c=US, o=Unaffiliated,
ou=A01410D000001711349D4A7
0001621F, cn=Carol Chadwick
Date: 2022.01.12 18:23:40 -05'00'

ENGINEER OF RECORD: CAROL CHADWICK, P.E.
P.E. NO.: 82560

PROJECT NO.	FL21198
DATE	JAN. 12, 2022
REVISION DATE	
SHEET	1 of 6

AMERICAN DREAMS RV CENTER
COVER SHEET

PREPARED FOR
FROST RV REPAIR CENTER
230 WINDSWEEP GLEN
LAKE CITY, FL 32024
CONTACT: JEAN FROST
jeanfrost0704@yahoo.com

DATE	REVISION DESCRIPTION



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www.carolchadwickpe.com
FLORIDA • WYOMING
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- UNAUTHORIZED CHANGES AND USES CAUTION:

CONTRACTOR:

ACCEPTING LIABILITY ARISING



CONTENTS



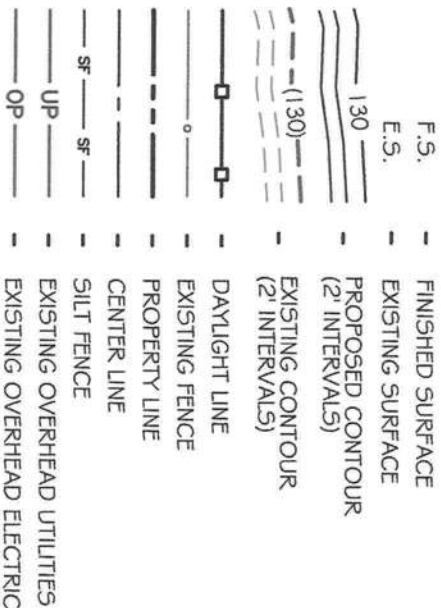
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1. SIGN SHALL BE PLACED IN FRONT OF ALL DESIGNATED HANDICAPPED SPACES. SIGN HEIGHT SHALL BE 7' FROM PAVEMENT TO BOTTOM OF SIGN.
2. 5' HANDICAPPED AISLE MAY BE PLACED ON THE RIGHT OR LEFT SIDE OF PARKING STALL.
3. HANDICAPPED PARKING SYMBOL SHALL BE 3 OR 5 FT. HIGH.
4. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595A.

ROL NOTES

- EN FINALLY STABIL
ONCE EVERY WEE

LEGEND



NOTE: ALL UTILITY PROVIDERS MUST BE CONTACTED PRIOR TO DIGGING IN ACCORDANCE TO CHAPTER 556 "SUNSHINE STATE ONE CALL"
CALL 811 48 HOURS PRIOR TO DIGGING



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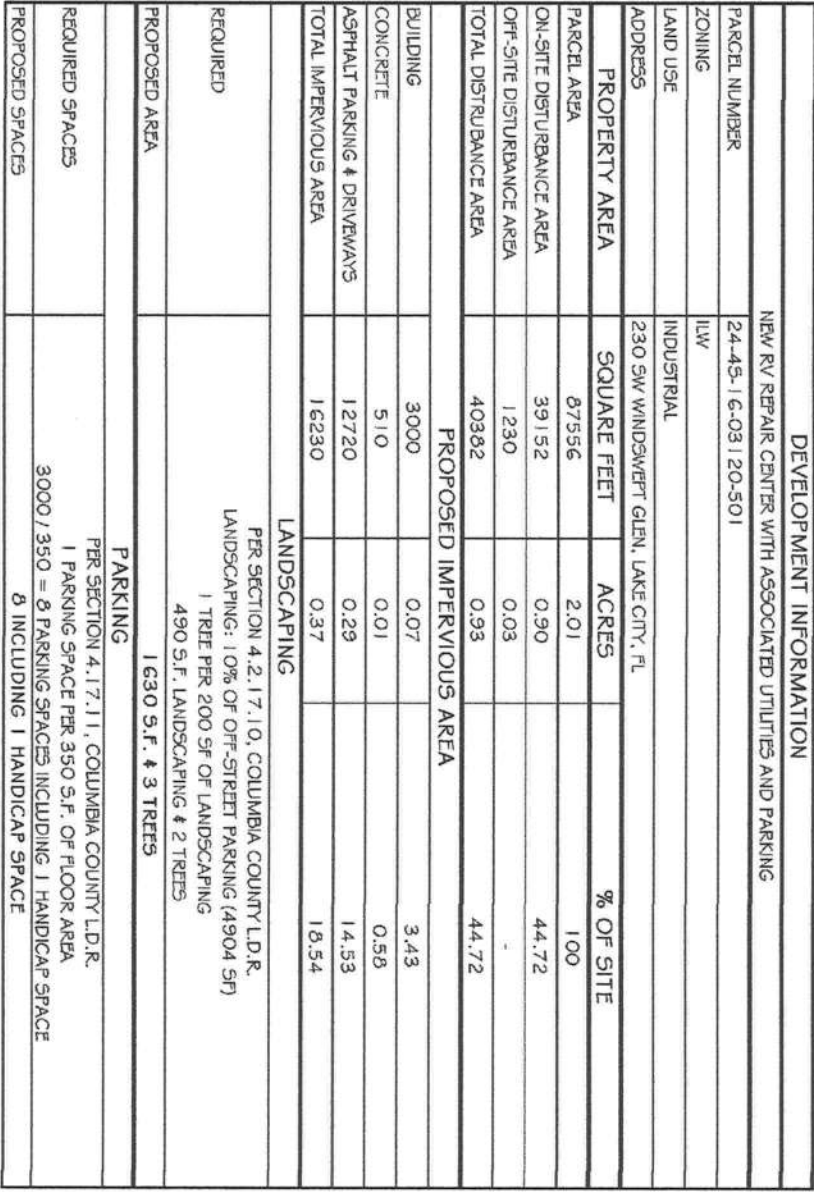
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PROJECT NO.	
FL21198	
DATE	
JAN. 12, 2022	
REVISION DATE	
SHEET	SHEETS
2 OF 6	

AMERICAN DREAMS RV CENTER NOTES, LEGEND & DETAILS

PREPARED FOR
FROST RV REPAIR CENTER
230 WINDSWEEP GLEN
LAKE CITY, FL 32024
CONTACT: JEAN FROST
jeanfrost0704@yahoo.com



signed by Carol

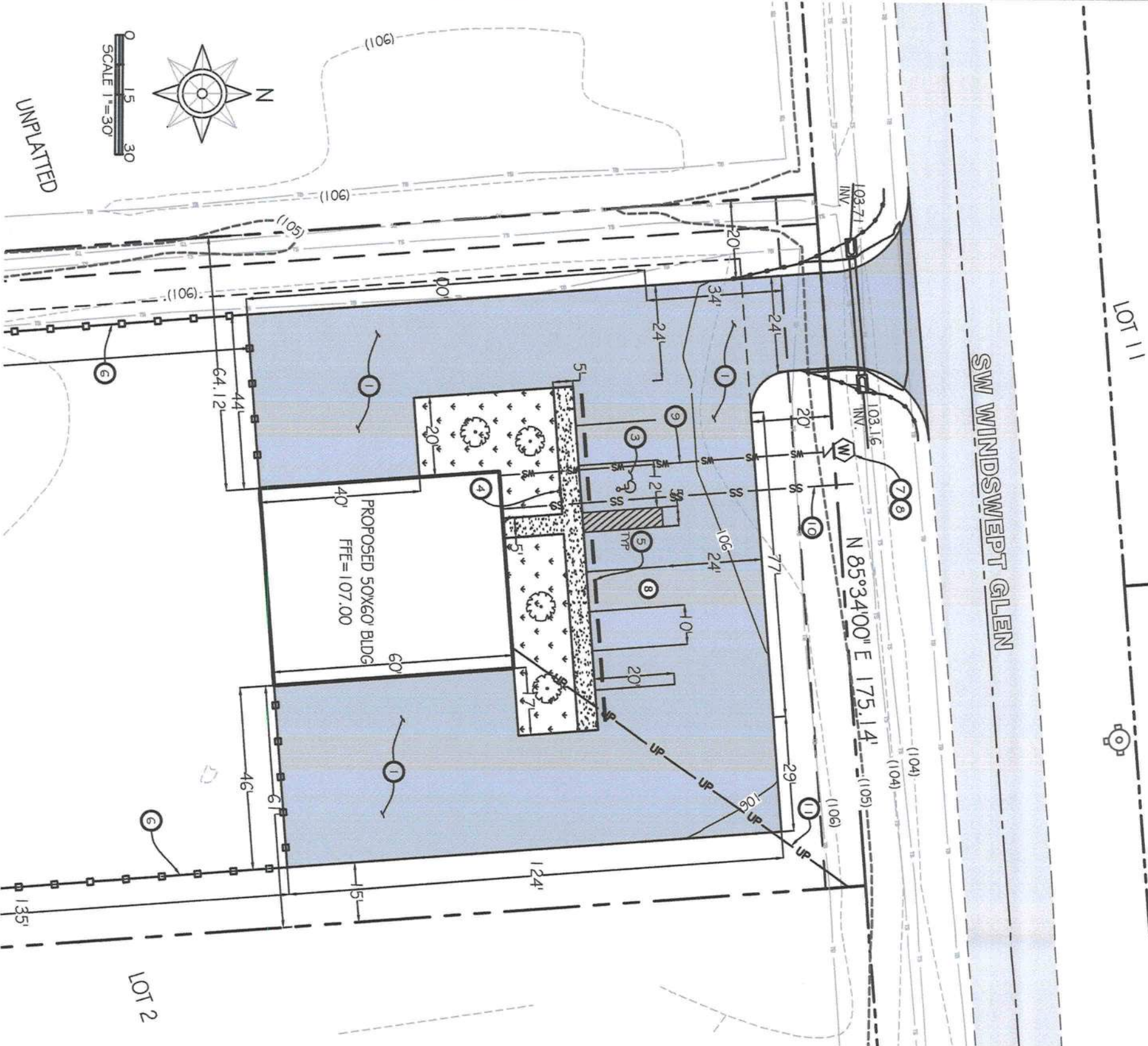
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Date: 2022.01.12 18:24:40 -05'00'

PROJECT NO. FL21198	AMERICAN DREAMS RV CENTER OVERALL SITE PLAN	PREPARED FOR FROST RV REPAIR CENTER 230 WINDSWEPT GLEN LAKE CITY, FL 32024 CONTACT: JEAN FROST jeanfrost0704@yahoo.com				
DATE JAN. 12, 2022						
REVISION DATE						
SHEET 3 OF 6						
			DATE	REVISION DESCRIPTION		



UNPLATTED

SCALE 1"=30'



CONSTRUCTION NOTES & ESTIMATED QUANTITIES

1	1-1/2" AC PAVEMENT OVER 6" LIMESTONE BASE	12720 S.F.
3	HANDICAP PARKING STALL PER DETAILS ON SHEET 2	1 EA.
4	HANDICAP PARKING SIGN PER DETAIL ON SHEET 2	1 EA.
5	WHEEL STOP PER DETAIL ON SHEET 2	8 EA.
6	6" CHAINLINK FENCE	500 L.F.
7	WATER METER	1 EA.
8	BACKFLOW PREVENTER	1 EA.
9	1/2" WATER SERVICE	81 L.F.
10	4" SEWER SERVICE	88 L.F.
11	ELECTRIC SERVICE	1 EA.

DRAINAGE NOTE

PER ERP-023-208042, MAXIMUM IMPERVIOUS SURFACE SHALL BE 60%. TOTAL IMPERVIOUS SURFACE AS SHOWN HEREON IS 18.54%.

NOTES

1. SIGN PER SEPARATE PERMIT

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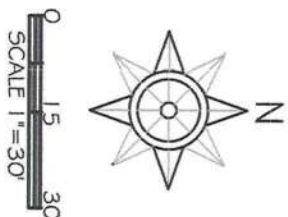


PREPARED FOR
FROST RV REPAIR CENTER
230 WINDSWEEP GLEN
LAKE CITY, FL 32024
CONTACT: JEAN FROST
jeanfrost0704@yahoo.com

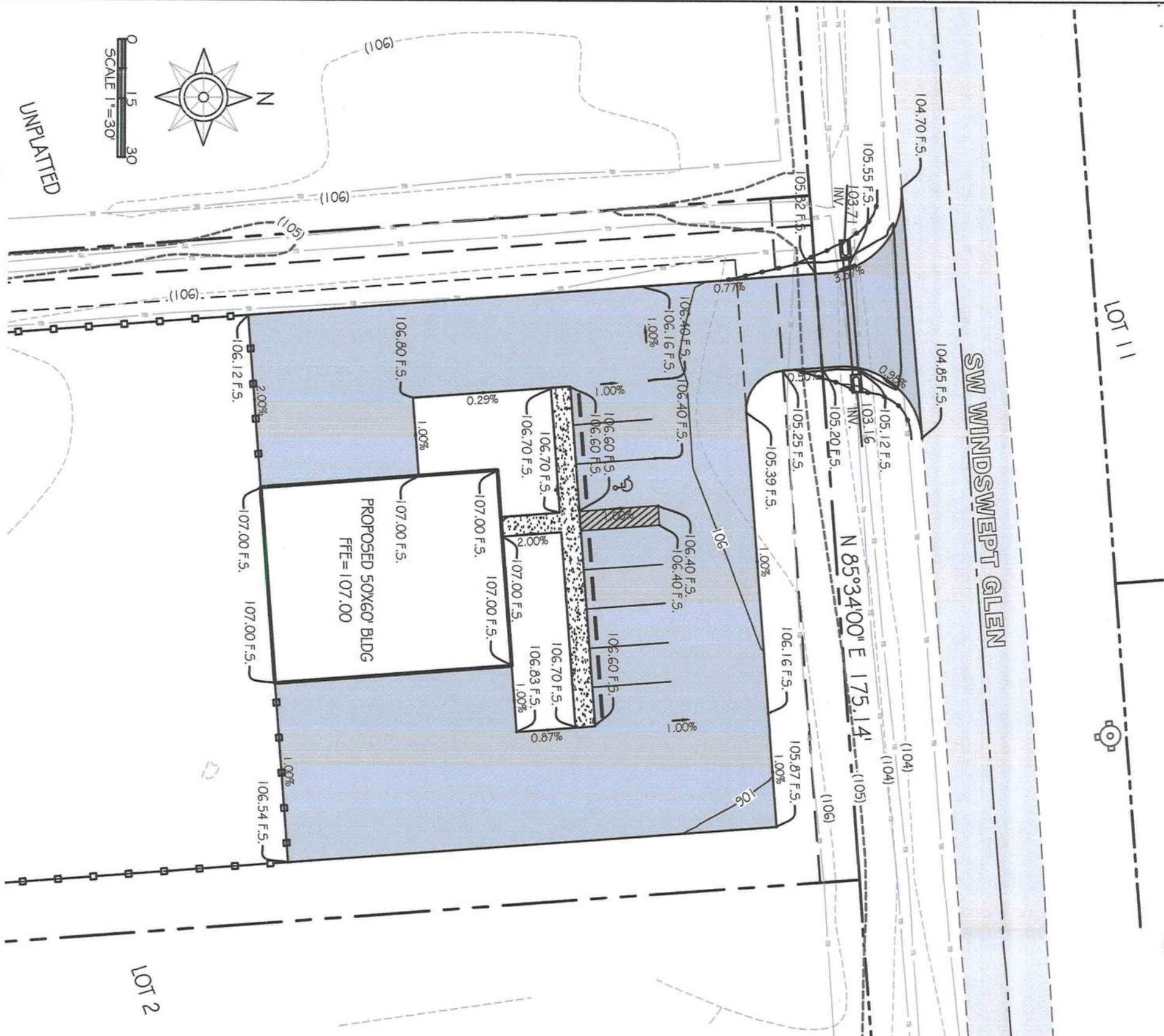
AMERICAN DREAMS RV CENTER
SITE & LANDSCAPE PLAN

PROJECT NO. FL21198
DATE JAN. 12, 2021
REVISION DATE
SHEET 4 OF 6

Digitally signed by
Carol Chadwick
DN: c=US,
o=Unaffiliated,
ou=A01410D0000
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01621F, cn=Carol
Chadwick
Date: 2022.01.12
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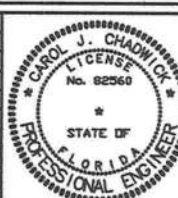


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Chadwick
Date: 2022.01.12
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PROJECT NO.		FL21198	
DATE		JAN. 12, 2022	
REVISION DATE			
SHEET		SHEETS	
5		OF 6	

AMERICAN DREAMS RV CENTER GRADING PLAN

PREPARED FOR
FROST RV REPAIR CENTER
230 WINDSWEEP GLEN
LAKE CITY, FL 32024
CONTACT: JEAN FROST
jeanfrost0704@yahoo.com

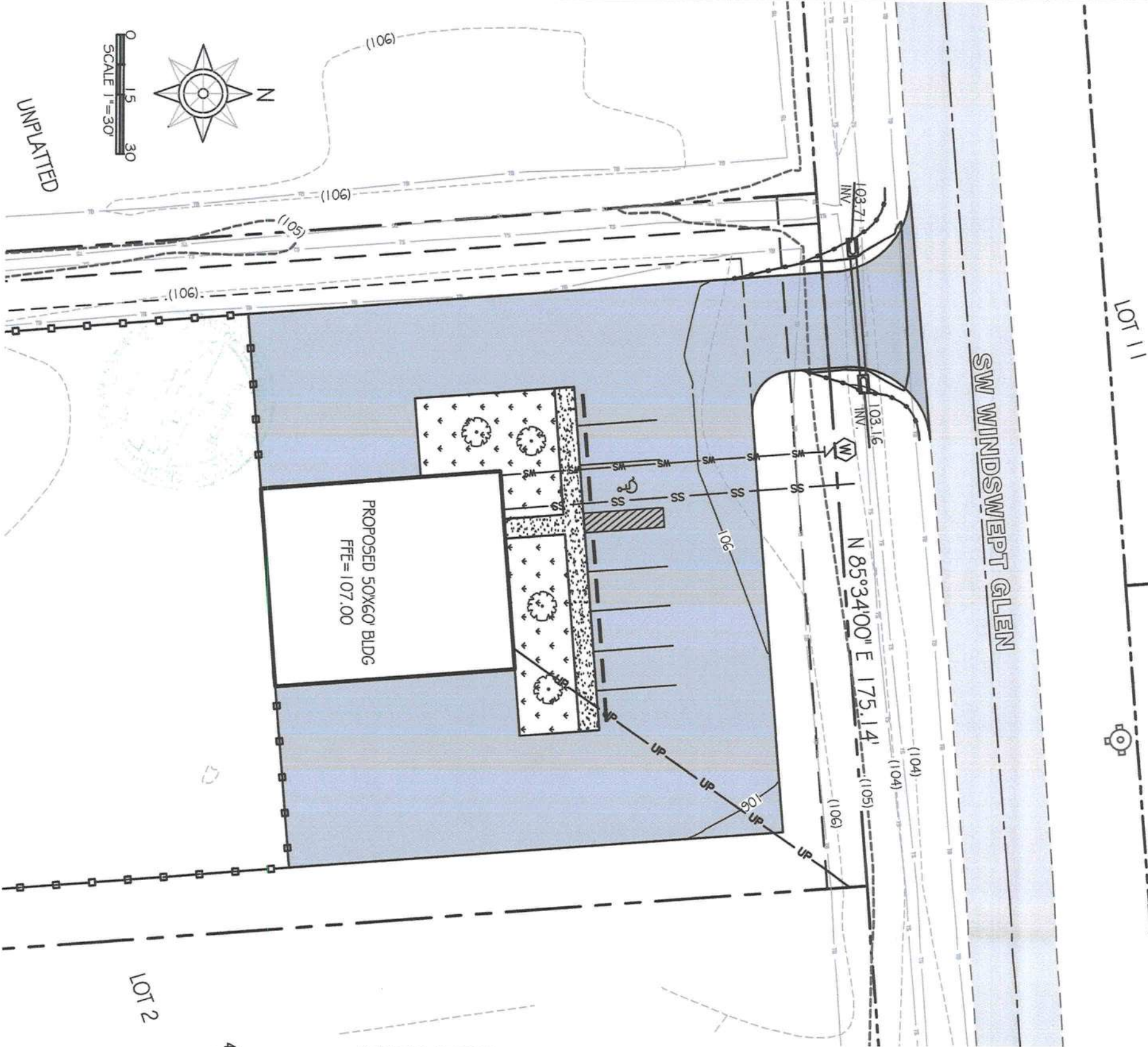
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UNPLATTED

0 15 30
SCALE 1"=30'



LANDSCAPE NOTES

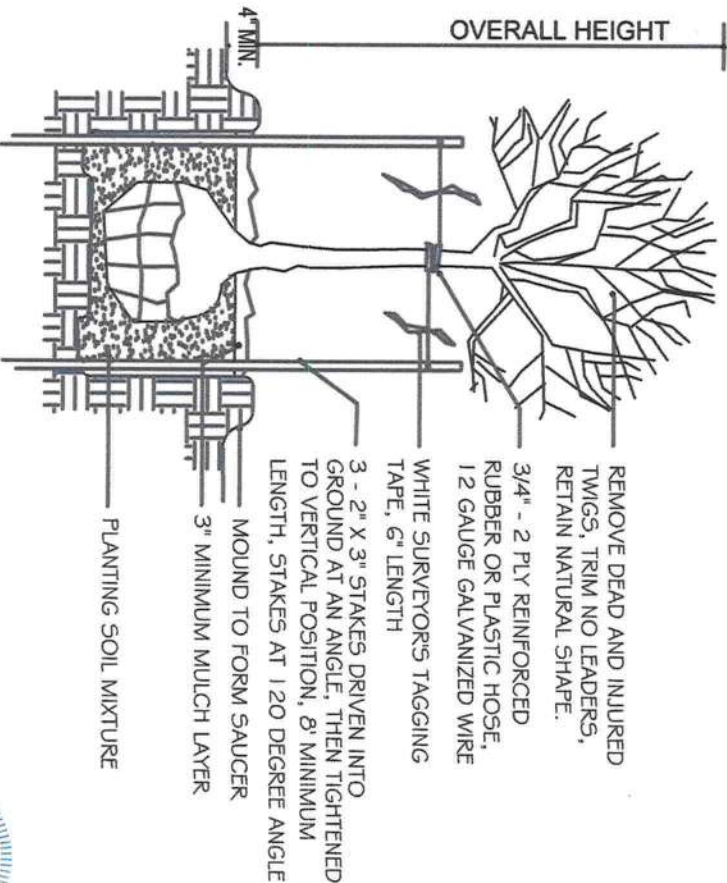
- ALL PLANT MATERIAL TO BE FLORIDA No. 1 QUALITY
- A MINIMUM OF 3" OF MULCH IN ALL PLANT BEDS
- 100% IRRIGATION COVERAGE REQUIRED
- STAKING REQUIRED FOR ALL SINGLE-TRUNK TREES
- A 3" "RING" OF MULCH TO BE MAINTAINED AROUND ALL TREES NOT INCORPORATED IN PLANT BEDS.
- LANDSCAPING REQUIRED AROUND ALL BACKFLOW DEVICES
- UNOBSTRUCTED VISIBILITY REQUIRED WITHIN SITE VISIBILITY TRIANGLE (INDICATE WITH DIAGRAM, FIGURE 33.01)
- PROTECTION REQUIRED FOR EXISTING TREES TO BE SAVED DURING CONSTRUCTION. DIAGRAM OF TREE PROTECTION PLAN REQUIRED
- ALL PLANT BEDS TO BE FREE OF LIME ROCK, CONSTRUCTION DEBRIS, AND ANY IMPERVIOUS MATERIAL. EXCAVATION AND BACKFILLING MAY BE REQUIRED
- THE OWNER/DEVELOPER IS RESPONSIBLE FOR THE ESTABLISHMENT AND MAINTENANCE OF ALL PLANT MATERIAL. LANDSCAPE AREAS MUST BE MAINTAINED TO PRESENT A HEALTHY, NEAT AND ORDERLY APPEARANCE AT ALL TIMES AND SHALL BE KEPT FREE OF TRASH AND DEBRIS

PLANT & FENCE SCHEDULE

SYMBOL	PLANT TYPE	QTY	CALIPER SIZE, IN	HEIGHT, FT.	GALLONS
	CREPE MYRTLE	4	1.75 TO 2.25	6	15

NOTES:

- ALL REQUIRED LANDSCAPING IS TO BE PERPETUALLY MAINTAINED BY THE OWNER, AND ALL REQUIRED PLANTINGS SHALL BE REPLACED IF THEY DO NOT SURVIVE OR UPON NOTIFICATION BY THE COUNTY.
- IN LIEU OF AN IRRIGATION SYSTEM, THE OWNER SHALL MAKE SATISFACTORY ALTERNATE ARRANGEMENTS FOR WATERING OF ALL LANDSCAPED AREAS AS NEEDED FOR THEM TO BECOME ESTABLISHED AND KEPT ALIVE AS NEEDED.



TREE STAKING AND PLANTING DETAIL

NOT TO SCALE



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01711349DA700
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Chadwick
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PROJECT NO.
FL21198
DATE
JAN. 12, 2022
REVISION DATE
SHEET
6 OF 6

AMERICAN DREAMS RV CENTER
LANDSCAPING PLAN

PREPARED FOR
FROST RV REPAIR CENTER
230 WINDSWEEP GLEN
LAKE CITY, FL 32024
CONTACT: JEAN FROST
jeanfrost0704@yahoo.com

DATE	REVISION DESCRIPTION



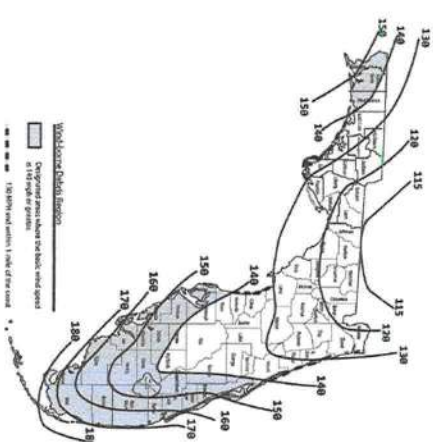
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- * CONDITIONED SPACE: 140sf
- * UNCONDITIONED SPACE: 2860sf
- * TOTAL COVERED SPACE: 3000sf

• TYPE: V-B
• PROTECTION: UNPROTECTED & UNSPRINKLERED

* A101 - SCOPE OF WORK, SITE PLAN, NOTES & ANALYSIS

- 
- APEX**
METAL BUILDING SYSTEMS



SCALE - NO SCALE



SCALE - NO SCALE

1. ALL CONSTRUCTION MUST COMPLY WITH ALL GOVERNING CODES.
2. ALL CONTRACTORS AND SUB-CONTRACTORS WILL THOROUGHLY FAMILIARIZE THEMSELVES WITH THESE CONSTRUCTION DOCUMENTS AND WILL VERIFY EXISTING SITE AND BUILDING CONDITIONS PRIOR TO SUBMITTING A BID.
3. SUB-CONTRACTORS BEFORE STARTING THEIR WORK WILL CHECK AND VERIFY THEIR PARTICULAR RELATED REQUIREMENTS FOR COMPLIANCE ALONG WITH MEASUREMENTS, SURFACE LEVELS, SURFACE CONDITIONS NEAR & ABOUT THEIR WORK. IT WILL BE CONCLUDED THAT EACH BIDDER UNDERSTANDS AND KNOWS WHAT WILL BE REQUIRED.
4. THIS ENGINEER AND HIS PROFESSIONAL CONSULTANTS WILL NOT HAVE CONTROL OF & WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, SEQUENCES, OR SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK ON THE PROJECT OR FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK ON THIS SITE.
5. ALL CONTRACTORS WILL PROVIDE ADEQUATE BRACING AND/OR SHORING TO INSURE STRUCTURAL STABILITY OF THE BUILDING AND ALL RELATED BUILDING COMPONENTS, I.E.: STRUCTURAL WALLS, INTERIOR WALL ASSEMBLIES ETC., DURING THE CONSTRUCTION PHASE OF THIS PROJECT.
6. ALL WORK WILL BE COORDINATED WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCE & PRESERVE MAXIMUM HEADROOM & AVOID OMISSIONS. EACH CONTRACTOR WILL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED BY CODE AND NEEDS TO COMPLETE THIS WORK.
7. ALL MATERIAL USED WILL BE NEW & BEAR UL LABELS WHERE REQUIRED & MEET NEMA STANDARDS.
8. LAYOUT ALL PARTITIONS BEFORE BEGINNING CONSTRUCTION TO PREVENT ERRORS BY DISCREPANCY. ALL DRYWALL PARTITIONS WILL BE INSTALLED AS NOTED ON THE DRAWINGS.
DO NOT SCALE THE DRAWINGS.
9. VERIFY ALL DIMENSIONS, IN THE FIELD PRIOR TO ORDERING, CUTTING, AND/OR INSTALLING MATERIAL, PRODUCT OR EQUIPMENT. IN THE EVENT OF ANY DISCREPANCIES, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH THAT WORK.
10. ALL SUB-CONTRACTORS WILL PROVIDE A CERTIFICATE OF INSURANCE TO THE OWNER PRIOR TO STARTING ANY WORK ON THIS PROJECT. CERTIFICATE OF INSURANCE CAN NOT BE TERMINATED OR CANCELED WITHOUT 10 DAYS PRIOR WRITTEN NOTICE TO THE OWNER.
11. NO SUBSTITUTIONS OF ANY KIND FOR MATERIALS SPECIFIED ON THESE CONSTRUCTION DOCUMENTS IS ALLOWED. NO "EQUIVALENT" SUBSTITUTIONS WILL BE MADE, UNLESS APPROVED IN WRITING BY THE ENGINEER & APPROVED BY THE OWNER DUE TO THE LACK OF AVAILABILITY OF ORIGINAL, U.O.N. IN THESE DOCUMENTS.
12. EACH CONTRACTOR IS RESPONSIBLE FOR THE FIRST CLASS WORKMANSHIP & WILL ASSUME ALL RESPONSIBILITY FOR THE CARE AND PROTECTIONS OF HIS OWN WORK & MATERIAL FROM DAMAGE. HE WILL MAKE GOOD ANY DAMAGE TO HIS OWN OR OTHER WORK CAUSED BY HIMSELF OR WORKMAN EMPLOYED BY HIM.
13. EACH CONTRACTOR WILL ABIDE BY LOCAL AREA STANDARDS & RELATED OSHA STANDARDS FOR THE SAFETY OF THEIR EMPLOYEES ON SITE. THIS ENGINEER AND HIS PROFESSIONAL CONSULTANTS WILL BE HELD HARMLESS BY THE OWNER, GC, AND RELATED AWARDED TRADES, ON THIS PROJECT FOR ACCIDENTS OR INJURIES CAUSED OR ACQUIRED ON THIS PROPERTY DURING CONSTRUCTION PHASES OF THIS PROJECT.
14. SHOULD FIRE ALARM & SPRINKLER DRAWINGS BECOME A REQUIREMENT, IT WILL BE THE RESPONSIBILITY OF THE SUB-CONTRACTOR AND TO BE SUBMITTED AS SEPARATE PERMIT ISSUE.

PLANS ARE BASED ON INTERIOR CONSTRUCTION OF A NEW 3000S STEEL STRUCTURE.

CODES:

FLORIDA

AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

CODE ANALYSIS:

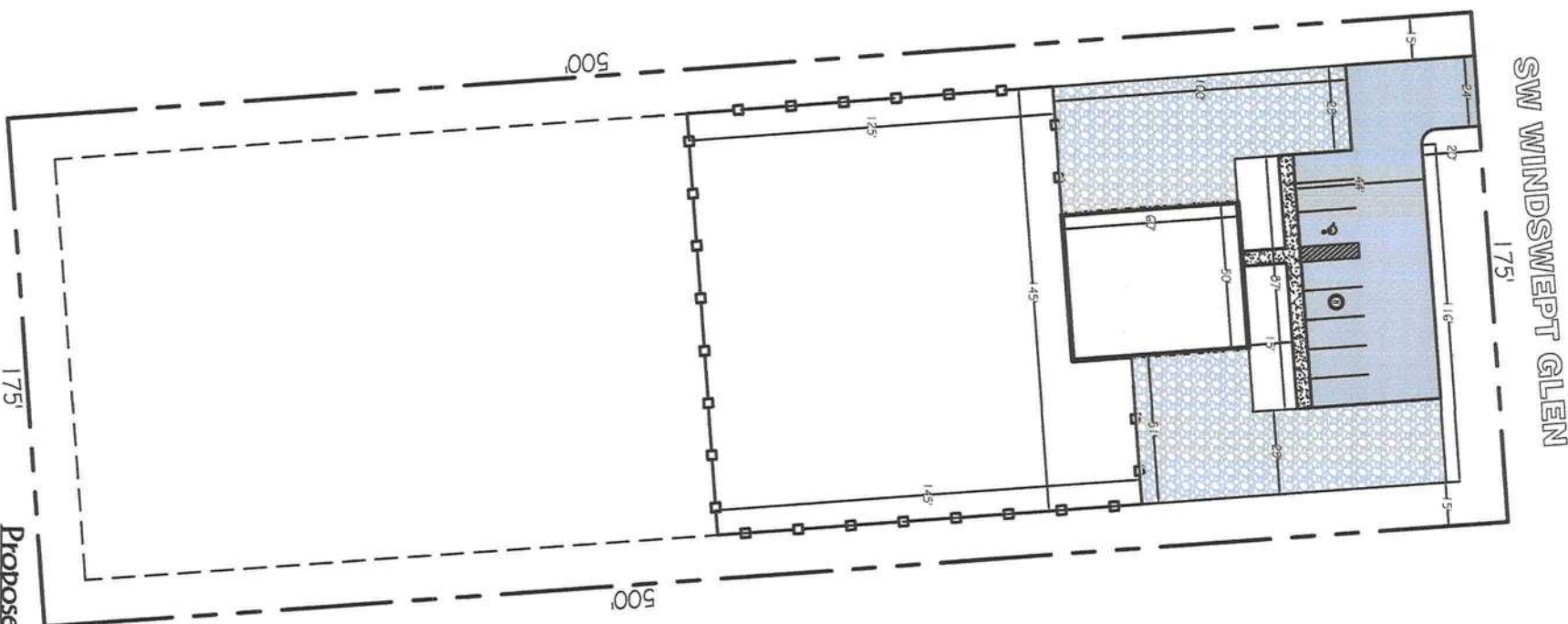
***2020 FLORIDA BUILDING**

*2020 FLORIDA BUILDING CODE - RESIDENTIAL (7TH EDITION)

*2020 FLORIDA BUILDING CODE - PLUMBING (7TH EDITION)

*2020 FLORIDA BUILDING CODE - MECHANICAL (TTH EDITION)

2017 NATIONAL ELECTRICAL CODE

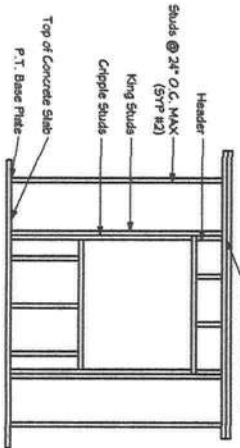


Proposed Site Plan

Scale - 1" = 60'

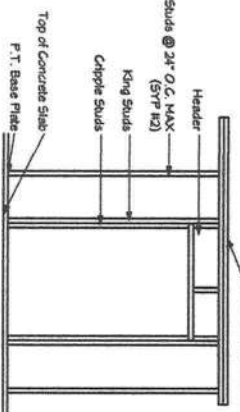


ALL OPENING DETAILS ARE FOR FIRED INTERIOR FRAMING. EXTERIOR OPENINGS DETAILLED & PROVIDED ON STRUCTURAL PAGES. USE 1 KING & 1 CRIPPLE AS SHOWN



Typical Window Framing
Scale - No Scale

ALL OPENING DETAILS ARE FOR FIRED INTERIOR FRAMING. EXTERIOR OPENINGS DETAILLED & PROVIDED ON STRUCTURAL PAGES. NO HEADERS REQUIRED



Typical Door Framing
Scale - No Scale

VERTICAL FRAMING:

USE 2x4 STUDS FOR ALL INTERIOR WALLS, UNLESS NOTED OTHERWISE IN THESE PLANS. SPACE STUDS @ 16" O.C. MINIMUM AT ALL INTERIOR BEARING WALLS AND INTERIOR SHEAR WALLS. USE 9PFT #2 (OR BETTER) FOR ALL WALLS. USE 9PFT #2 TOP PLATES AND PT 57P#2 SILL PLATES. IF "CONVENTIONAL STRAPPING" IS SHOWN ON THESE PLANS USE: SIMPSON SP2 W/6) 10D NAILS EACH END FOR WALL STUD TO TOP PLATE CONNECTIONS @ 32" O.C. SIMPSON C530 STRAPPING W/ (1) 10Dx1 5" NAILS EACH END FOR SECOND-STORY WALL STUD CONNECTIONS @ 32" O.C. SIMPSON SP1 W/ (6) 10D NAILS TO STUD AND (4) 10D NAILS TO SILL PLATE @ 16" O.C. AND ANCHOR BOLTS AT 32" O.C.

WOOD:

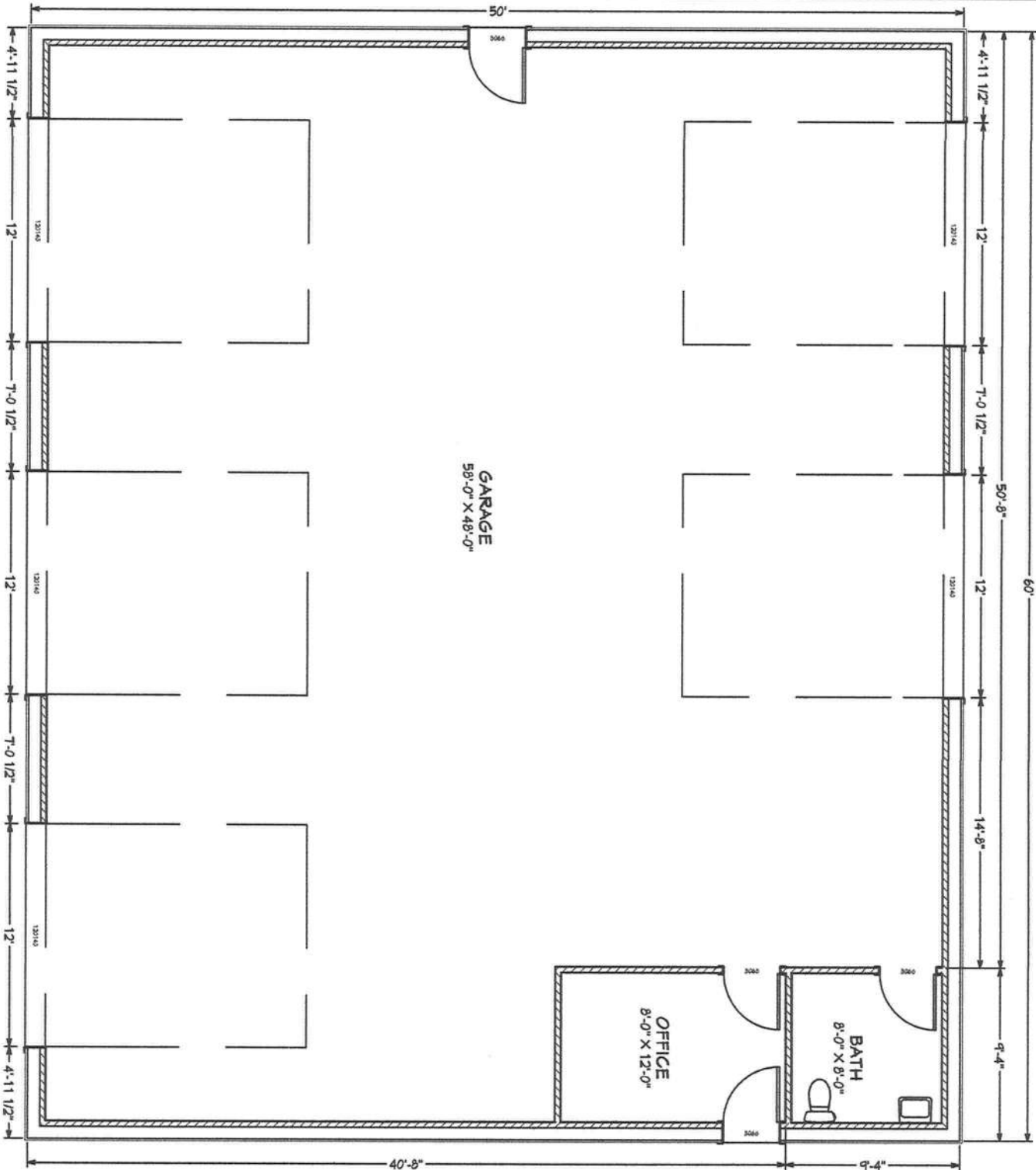
WOOD FRAMING SHALL BE IN ACCORDANCE WITH LOCAL BUILDING CODES, EXCEPT AS NOTED IN THESE PLANS.

FASTENINGS:

THE DOUBLE TOP PLATE SHALL HAVE A 4" LAP AND SHALL BE FACE-NAILED WITH (8) 12D SINKERS.

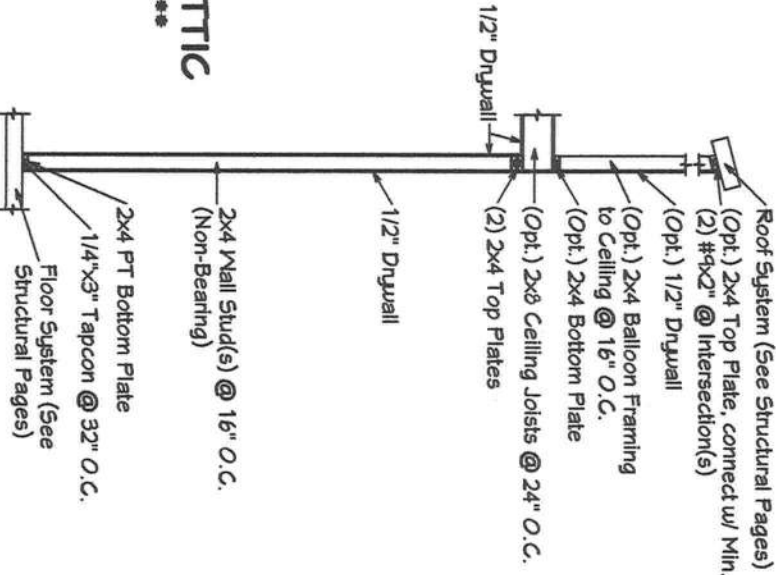
****NOTE: INSULATION IS SPRAY FOAM, NO ATTIC VENTILATION CALCULATIONS ARE NEEDED****

****NOTE: ALL PENETRATIONS & OPENINGS BETWEEN GARAGE AND CONDITIONED AREAS MUST ABIDE TO FBC-R302.5 & R302.6 ALL HOUSE TO GARAGE DOORS TO BE SOLID CORE 1-3/8" THICK, OR 20 MIN FIRE RATED.****

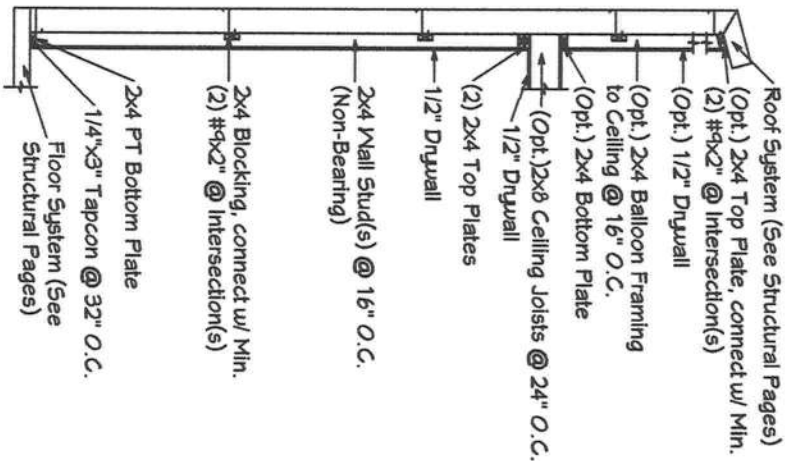


FLOOR PLAN
SCALE - 1/8" = 1'

S101 Mail Section Detail
Scale - 1/4" = 1'



S102 Mail Section Detail
Scale - 1/4" = 1'





Electrical Layout

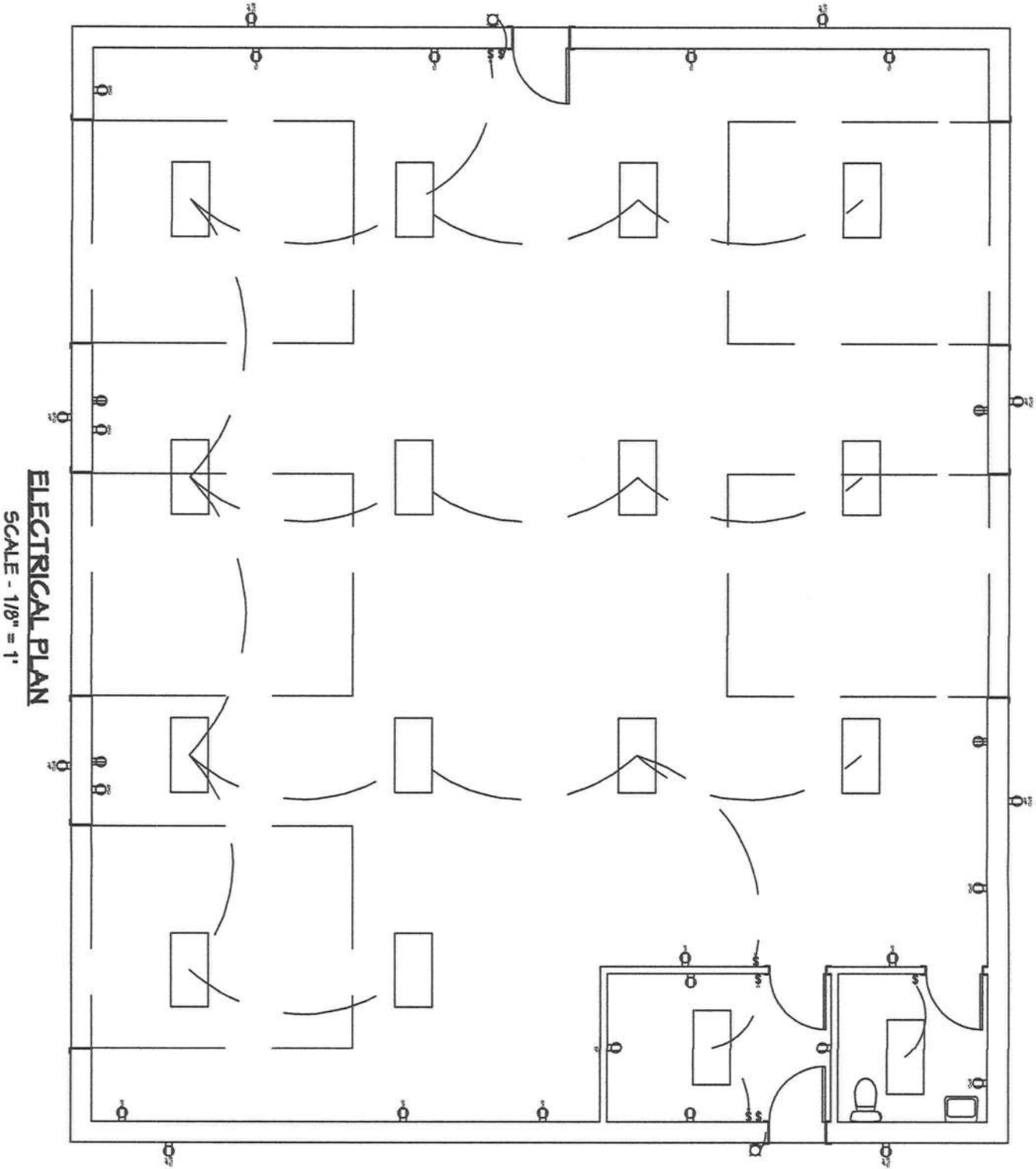
Metal Building Engineering, LLC
Lexington, SC 29073

Interior Buildout of a New Structure
Frost RV Repair
(TBD)SW Windswept Glen, Lake City, Florida, 32024

DATE: 11/26/21
DRAWN BY: WJB
CHECKED BY: KM
JOB#: 2021-281

- *NOTE:**
- Location of electric outlets are a representation only. Outlets will be located per local building code. All is work is to be in compliance with FBC Energy Conservation (R403.7.1 & R404)
 - Provide AFCI(arc-fault circuit interrupters) in all dwelling unit bedrooms per NEC article 210-12)
 - 100% of all fixed light fixtures inside and outside have CLF/LED Lamps.
 - The required GFCI outlets (dwelling units) bathrooms, kitchen countertops, outlets within 6ft of laundry, utility wet bar sinks, accord to NEC210
 - All outlets are tamper resistant
 - For attics, at least one lighting outlet containing a switch or controlled by a wall switch shall be installed. At least one point of control shall be at the usual point of entry to these spaces (NEC 210.10 A3)
 - AFCI Protection - 210.2 (B) Dwelling Units. All 120V, single phase, 15/20A branch circuit supplying outlets installed in: dwelling units, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or areas of similar use shall be protected by a listed AFCI combination type. Install to provide protections of the branch circuit (FBC R E3402.16)

ELECTRICAL - DATA - AUDIO LEGEND	
SYMBOL	DESCRIPTION
	Ceiling Fan w/ Light Fixtures
	Ventilation Fans: Ceiling Mounted
	Ceiling Mounted Light Fixtures: Surface, Recessed, Heat Lamp, Low Voltage
	Wall Mounted Light Fixtures: Flush Mounted, Wall Sconce
	Chandelier Light Fixture
	Fluorescent Light Fixture
	240V Receptacle
	110V Receptacles: Duplex, Weather Proof, GFCI
	Switches: Single Pole, Weather Proof, 3-Way, 4-Way
	Switches: Dimmer, Timer
	Electrical Breaker Panel
	Ceiling Mounted: Smoke Detector (SD), Carbon Monoxide Detector (CO)



MATERIAL SPECIFICATIONS:

CAST-IN-PLACE CONCRETE IS DETAILED & PROVIDED BY OTHERS
REINFORCING STEEL: SHALL BE ASTM A615, GRADE 40
ANCHORING ADHESIVE: SHALL BE ONE OF THE FOLLOWING PRODUCTS (DUAL CARTRIDGE INSTALLATION ONLY):
SIMPSON STRONG-TIE CO., PRODUCT: EPOXY-TIE SET
SIMPSON STRONG-TIE CO., PRODUCT: ACRYLIC-TIE AT NAILS: ALL NAIL EXPOSED TO EXTERIOR SHALL BE GALVANIZED OR STAINLESS STEEL
ALL NAILS EXPOSED TO FIRE-TREATED LUMBER SHALL BE STAINLESS STEEL

ROOF ASSEMBLIES:

ROOF ASSEMBLIES ARE DETAILED & PROVIDED ON STRUCTURAL PAGES

FOOTINGS AND FOUNDATIONS:

FOOTINGS AND FOUNDATIONS PER FBC AND ARE DETAILED & PROVIDED ON STRUCTURAL PAGES

SOILS:

MINIMUM ALLOWABLE SOIL BEARING CAPACITY = 1500 PSI
SUBSURFACE SOIL CONDITIONS WERE NOT AVAILABLE AT THE TIME OF THIS DESIGN. THE OWNER SHALL PROVIDE TO THE CONTRACTOR A REPORT OF THE SUBSURFACE CONDITIONS. SOIL PREPARATIONS NOTED IN AID REPORT SHALL BE FOLLOWED UNLESS MORE STRINGENT DESIGN IS SPECIFIED WITHIN THESE PLANS.
THE FILL BELOW THE FOUNDATION SHOULD BE FREE OF DEBRIS, ORGANIC MATERIAL, COHESIVE SOILS OR ANY OTHER DELETERIOUS MATERIAL. SOIL MUST BE COMPACTED TO 95% MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR A DEPTH OF 2'-0" BELOW THE BOTTOM OF THE FOOTING

CONCRETE:

CONCRETE AND STEEL REINFORCEMENT SHALL BE IN ACCORDANCE WITH FBC & AS DETAILED IN STRUCTURAL PAGES

EXTERIOR WALL & INTERIOR SHEARWALL SHEATHING:

EXTERIOR WALL SHEATHING IS DETAILED & PROVIDED ON STRUCTURAL PAGES. THERE ARE NO REQUIRED INTERIOR SHEAR WALLS FOR THIS STRUCTURE

HEADERS/JACK STUDS:

REFER TO THESE PLANS FOR HEADER AND JACK STUD REQUIREMENTS.

VERTICAL FRAMING:

USE 2x4 STUDS FOR ALL INTERIOR WALLS. UNLESS NOTED OTHERWISE IN THESE PLANS.
SPACE STUDS @ 16" O.C. MINIMUM AT ALL INTERIOR BEARING WALLS AND INTERIOR SHEAR WALLS.
SPACE STUDS @ 24" O.C. MINIMUM AT ALL INTERIOR NON-BEARING WALLS.
USE SFP #2 (OR BETTER) FOR ALL WALLS.
USE SFP #2 TOP PLATES AND PT SFP#2 SILL PLATES.
IN GENERAL, THE THRU-BOLTS SERVE AS THE CONTINUOUS LOAD PATH FROM THE DOUBLE TOP PLATE TO THE FOUNDATION.
WHERE * CONVENTIONAL STRAPPING* IS SHOWN ON THESE PLANS, USE:
SIMPSON SP2 W/6) 10D NAILS EACH END FOR WALL STUD TO TOP PLATE CONNECTIONS @ 32" O.C.
SIMPSON CS20 STRAPPING W/ (7) 10Dx1.5" NAILS EACH END FOR SECOND-STORY WALL STUD CONNECTIONS @ 32" O.C.
SIMPSON SP1 W/ (6) 10D NAILS TO STUD AND (4) 10D NAILS TO SILL PLATE @ 16" O.C. AND ANCHOR BOLTS AT 32" O.C.

WOOD:

WOOD FRAMING SHALL BE IN ACCORDANCE WITH FBC, EXCEPT AS NOTED IN THESE PLANS.

FASTENINGS:

THE "FASTENING SCHEDULE" IN FBC SHALL BE USED UNLESS OTHERWISE IN THESE PLANS.
THE DOUBLE TOP PLATE SHALL HAVE A 4" LAP AND SHALL BE FACE-NAILED WITH (8) 12D SINKERS.

ROOF AND CEILING FRAMING:

ALL ROOF FRAMING IS DETAILED AND PROVIDED ON STRUCTURAL PAGES. CEILING FRAMING IS SECURED TO TIRED WALL FRAMING AS SHOWN IN WALL SECTION & IN THESE PLANS

ROOF SHEATHING AND DIAPHRAM ATTACHMENT:

ROOF SHEATHING AND FINISH IS DETAILED AND PROVIDED ON STRUCTURAL PAGES

SHEAR WALLS

EXTERIOR SHEAR WALLS ARE DETAILED & PROVIDED ON STRUCTURAL PAGES.
THERE ARE NO REQUIRED INTERIOR SHEAR WALLS FOR THIS STRUCTURE.

SQUARE FOOTAGE INFORMATION:

- * CONDITIONED SPACE: 140sf
- * UNCONDITIONED SPACE: 2860sf
- * TOTAL COVERED SPACE: 3000sf

TYPE OF CONSTRUCTION:

- * TYPE: V-B
- * PROTECTION: UNPROTECTED & UNSPRINKLERED

CODES:

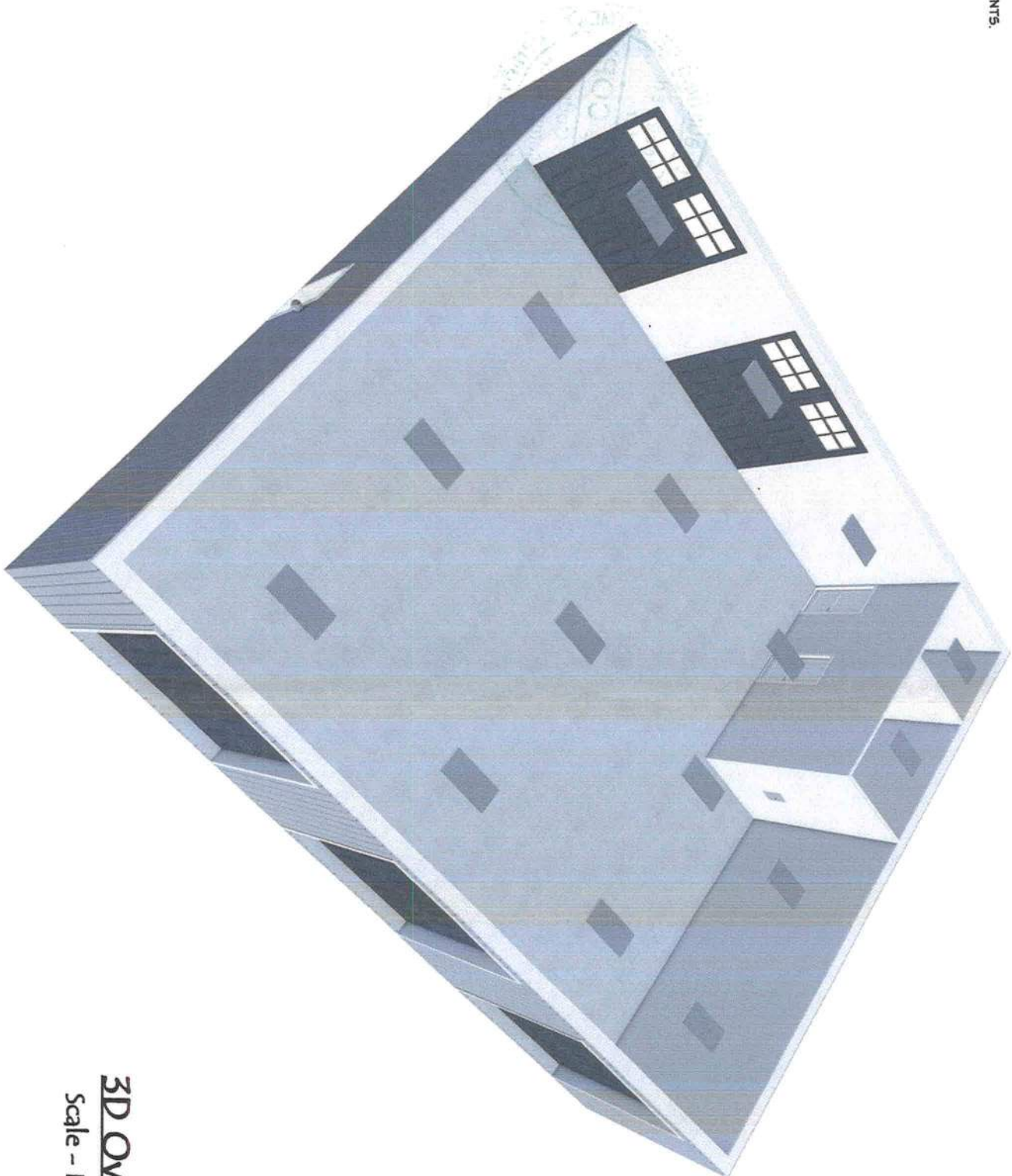
FLORIDA BUILDING CODE 2020, AMERICAN CONCRETE INSTITUTE, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

CODE ANALYSIS:

- *2020 FLORIDA BUILDING CODE - BUILDING (7TH EDITION)
- *2020 FLORIDA BUILDING CODE - RESIDENTIAL (7TH EDITION)
- *2020 FLORIDA BUILDING CODE - PLUMBING (7TH EDITION)
- *2020 FLORIDA BUILDING CODE - MECHANICAL (7TH EDITION)
- *2017 NATIONAL ELECTRICAL CODE

GENERAL NOTES

1. CODES USED: 2020 FLORIDA BUILDING CODE SEVENTH EDITION, ACI, NDS, APA AND ASCE-7-16. ALL LATEST EDITIONS USED.
2. ALL DESIGN, CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION OVER THE WORK.
3. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION
4. DETAILS FOUND WITHIN THESE DRAWINGS SHALL BE ASSUMED TO BE TYPICAL DETAILS FOR THIS JOB ONLY. DETAILS SHALL GOVERN
5. DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS. IF DIMENSIONS CANNOT BE DETERMINED FROM THE ARCHITECTURAL PLANS, CONTACT THE ARCHITECT OF RECORD
6. SUBSURFACE SOIL CONDITIONS WERE NOT AVAILABLE AT THE TIME OF THIS DESIGN. IT IS RECOMMENDED THAT THE OWNER PROVIDE TO THE CONTRACTOR A REPORT OF THE SUBSURFACE CONDITIONS. SOIL PREPARATIONS NOTED IN SAID REPORT SHALL BE FOLLOWED UNLESS MORE STRINGENT DESIGN IS SPECIFIED WITHIN THESE PLANS.



3D Overview

Scale - No Scale



Interior Notes

Metal Building Engineering, LLC
Lexington, SC 29073

Interior Buildout of a New Structure
Frost RV Repair
(TBD)SW Windswept Glen, Lake City, Florida, 32024

DATE	11/26/21
DESIGNED BY	WEB
ENGINEERED BY	KM
JOBS#	2021-281

