

| L'TR | REVISION | DATE | BY | E.C.O. | |
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| * | ORIGINAL ISSUE | 08/10/16 | TJE | 1672 | |
| Α | HOOD SUPPORT UPDATE; 2018 IBC | 03/09/20 | MAN | 2028 | |

GENERAL NOTES:

- 1. THESE PRODUCT EVALUATION DOCUMENTS REPRESENT A ROLL-UP DOOR ASSEMBLY DESIGNED AND TESTED IN ACCORDANCE WITH THE STANDARD BUILDING CODE, THE 2018 INTERNATIONAL BUILDING CODE, AND THE FLORIDA BUILDING CODE.
- 2. THIS ROLL-UP DOOR HAS BEEN TESTED FOR UNIFORM STATIC PRESSURE, IMPACT AND FATIGUE RESISTANCE IN ACCORDANCE WITH THE FBC TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES TAS 201, TAS 202, AND TAS 203.
- 3. A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.
- 4. DETERMINE THE POSITIVE AND NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY.
- 5. THESE PRODUCT EVALUATION DOCUMENTS ARE PREPARED BY THE PRODUCT ENGINEER AND ARE GENERIC. THEY DO NOT INCLUDE INFORMATION PREPARED FOR A SPECIFIC SITE.
- 6. THESE PRODUCT EVALUATION DOCUMENTS ARE NOT VALID FOR PERMIT WITHOUT ORIGINAL SIGNATURE, DATE AND EMBOSSED SEAL ON EACH PERMIT COPY, WHETHER OR NOT A MASTER APPROVAL DOCUMENT IS ON FILE WITH A MUNICIPALITY OR OTHER GOVERNING AGENCY.
- 7. THESE PRODUCT EVALUATION DOCUMENTS ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM OPTIONS:

 THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS WEATHERING (SHOWN) Vx & Vy ON THE JAMBS OF THE DOOR.
 - 8. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED.
 - 9. WHEN THE SITE CONDITIONS DEVIATE FROM THESE PRODUCT EVALUATION DOCUMENTS, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED BY A DULY LICENSED AND REGISTERED ENGINEER OR ARCHITECT.
 - 10. IF THE DEVIATING SITE SPECIFIC DOCUMENTS ARE PREPARED BY A DELEGATED REGISTERED ENGINEER OR ARCHITECT, SAID DOCUMENTS SHALL BEAR THE DATE, SIGNATURE, AND EMBOSSED SEAL OF THE DELEGATED ENGINEER OR ARCHITECT AND SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW.
 - 11. ALL HARDWARE SHALL BE GALVANIZED STEEL, PLATED STEEL OR STAINLESS STEEL
 - 12. ALL WINDLOCK RIVETS SHALL BE 1/4" STEEL RIVETS IFI GRADE 30 WITH A MINIMUM TENSILE STRENGTH OF 1,850 Lbs., AND SHEAR STRENGTH OF 2,400 Lbs., U.O.N.. RIVETS TO BE INSTALLED IN ALL WINDLOCK HOLES.
 - 13. ENDLOCKS/WINDLOCKS SHALL BE CAST MALLEABLE IRON TYPE 32510 PER ASTM A47 OR CAST DUCTILE IRON PER ASTM A536 GRADE 65-45-12.
 - 14. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70. MINIMUM WELDING PROCESSES SHALL BE ARC WELDING A.W.S. E7014 OR MIG WELDING A.W.S. ER70S-6.

15. ANCHOR NOTES:

- A. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH.
- B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- C. ANCHOR CAPACITY FOR THIS ROLL-UP DOOR IS BASED ON MIN. 3,000 P.S.I. CONCRETE EXCEPT WHERE NOTED.
- D. FOR MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE, REFER TO TABLES.
- 16. DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL
- 17. ALL SHAPES USED FOR GUIDE ASSEMBLIES MUST CONFORM TO ATSM A36 FOR STEEL OR ASTM A276 FOR TYPES 304 OR 316 WITH A MINIMUM 36 KSI YIELD STRENGTH.





ENTREMATIC 165 CARRIAGE COURT WINSTON SALEM, NC 27105

dimensions are in inches & tolerances are:

Unless otherwise specified,

0.000 = +/- 0.031

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FRACTIONAL = +/- 1/32
ATIC.COM ANGLES = +/- 1/2 DEG
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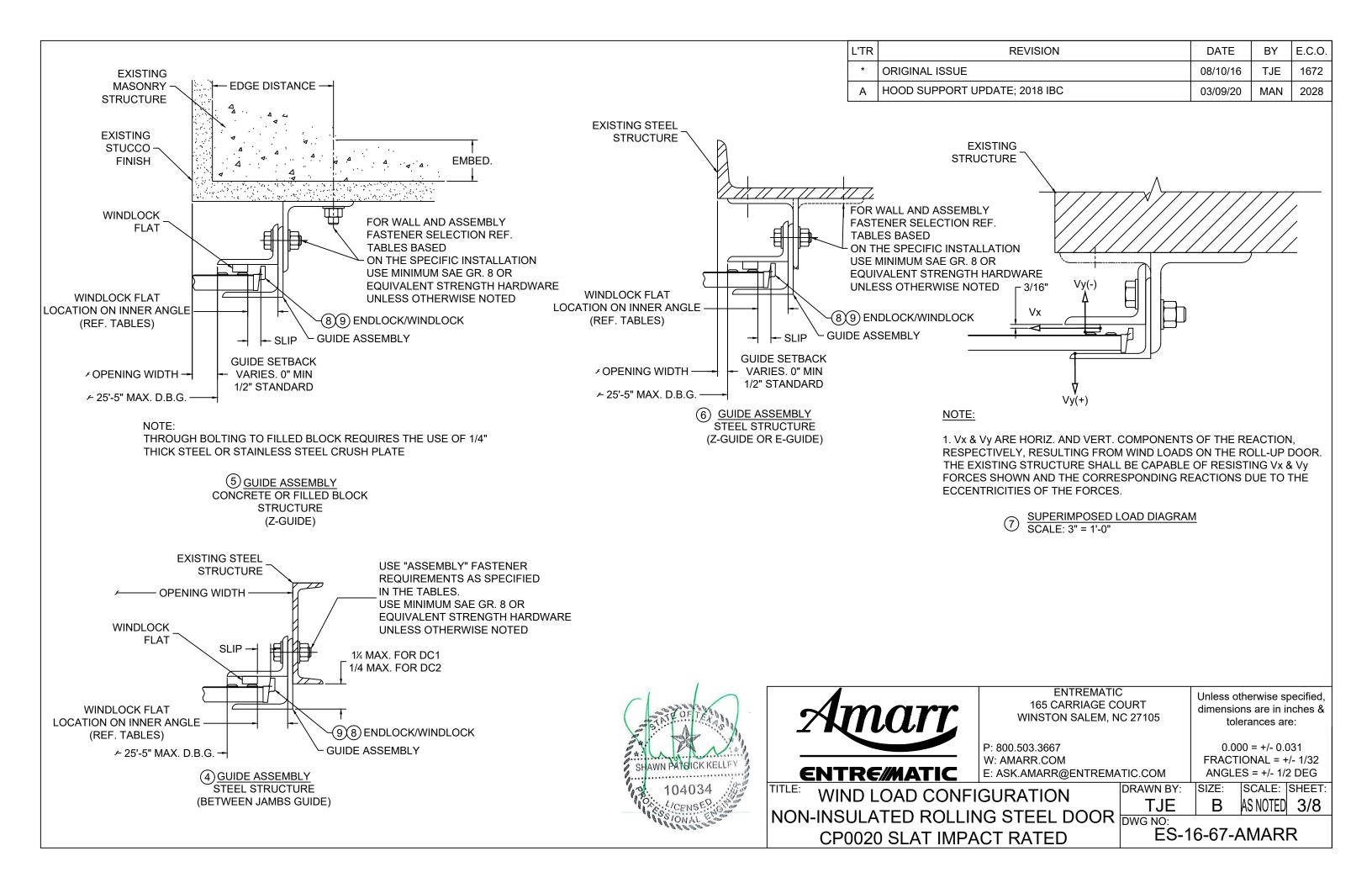
NON-INSULATED ROLLING STEEL DOOR
CP0020 SLAT IMPACT RATED

CP0020 SLAT IMPACT RATED

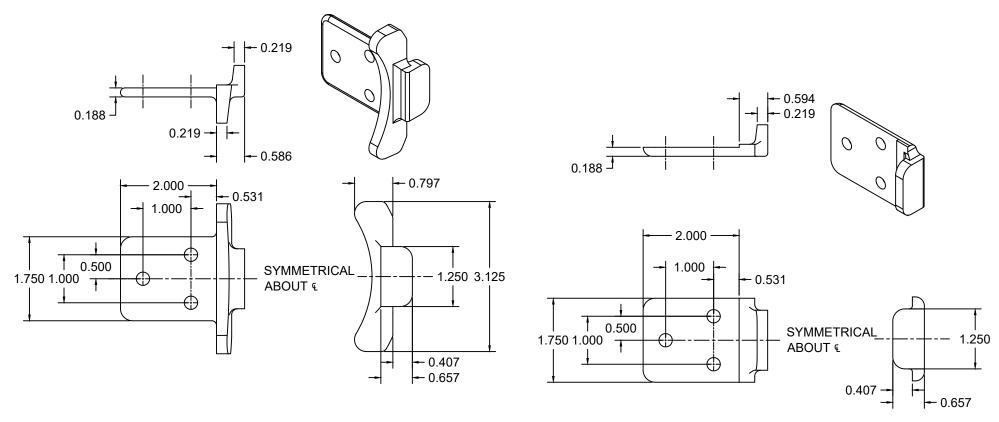
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DWG NO:
ES

TJE B AS NOTED 2/8

ES-16-67-AMARR



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(8) ENDLOCK / WINDLOCK DETAIL, CP1152 CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN ACCORDANCE WITH ASTM A123, GRADE 85 ZINC-COATING 1/2 SCALE

9 WINDLOCK DETAIL, CP1153 CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN ACCORDANCE WITH ASTM A123, GRADE 85 ZINC-COATING 1/2 SCALE





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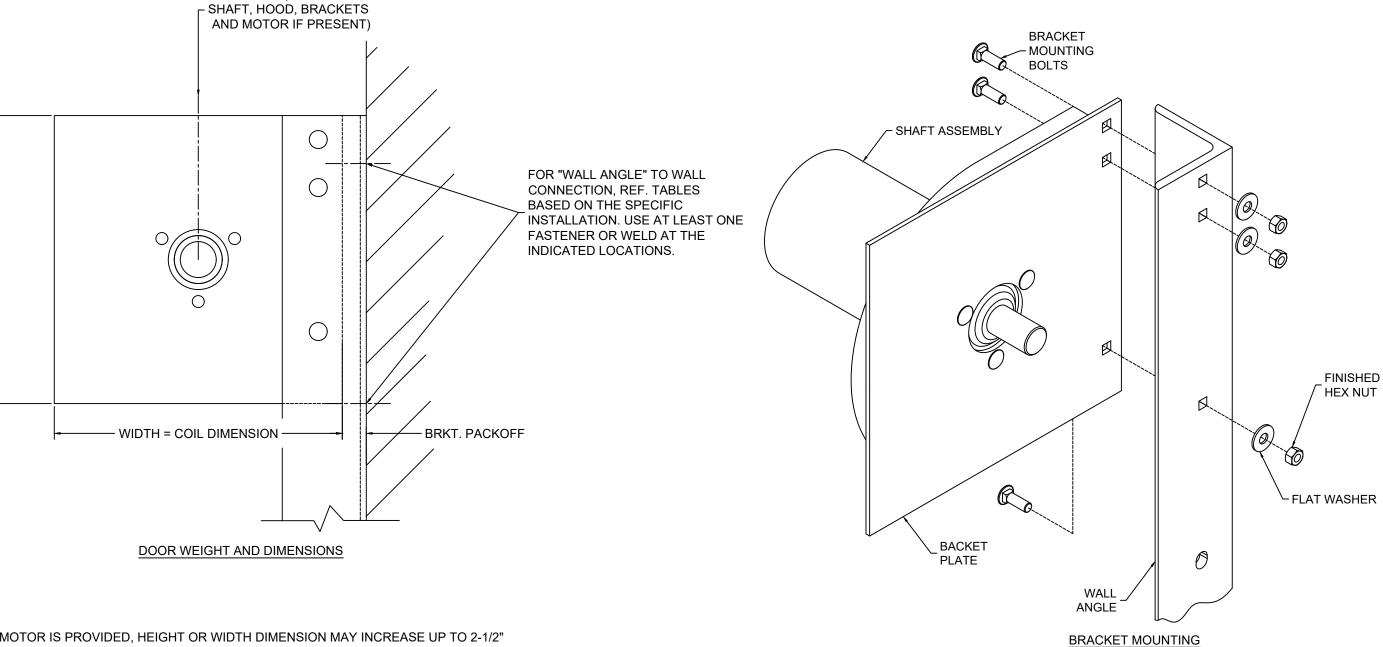
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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-67-AMARR

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COIL DIMENSION

1. WHEN MOTOR IS PROVIDED, HEIGHT OR WIDTH DIMENSION MAY INCREASE UP TO 2-1/2" BASED ON MOTOR LOCATION. WHEN AN 8" DIAMETER OR LARGER SHAFT ASSEMBLY IS PROVIDED, HEIGHT DIMENSION INCREASES BY 2".

DEAD LOAD (CURTAIN,







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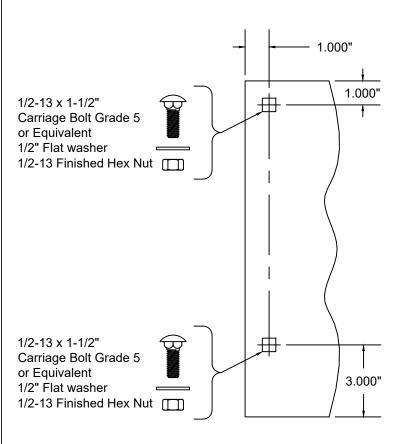
SCALE: SHEET:

AS NOTED 5/8

WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO:
ES-16-67-AMARR

DRAWN BY:

SIZE:

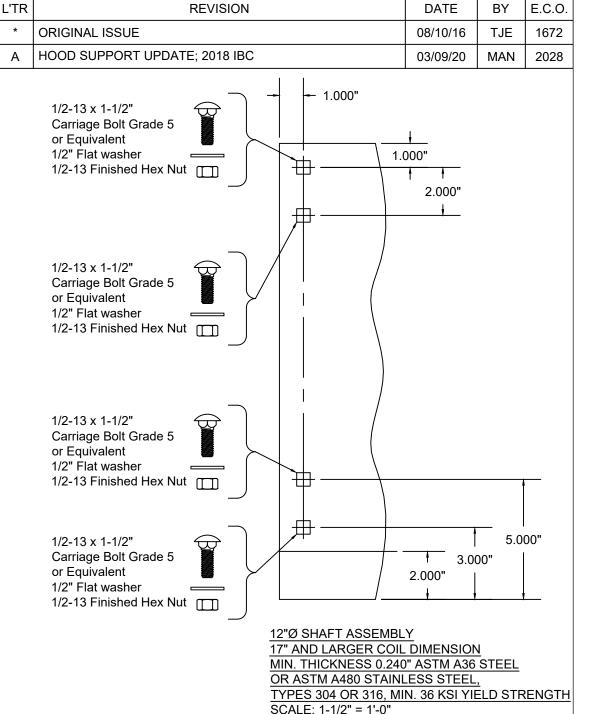


THRU 6"Ø SHAFT ASSEMBLY 14" THRU 16" COIL DIMENSION MIN. THICKNESS 0.172" ASTM A36 STEEL OR ASTM A480 STAINLESS STEEL, TYPES 304 OR 316, MIN. 36 KSI YIELD STRENGTH SCALE: 1-1/2" = 1'-0"

NOTE:

1.000" 1/2-13 x 1-1/2" Carriage Bolt Grade 5 or Equivalent 1/2" Flat washer 1.000" 1/2-13 Finished Hex Nut \Box 1 1 2.000" 1/2-13 x 1-1/2" Carriage Bolt Grade 5 or Equivalent 1/2" Flat washer 1/2-13 Finished Hex Nut 1/2-13 x 1-1/2" Carriage Bolt Grade 5 or Equivalent 3.000" 1/2" Flat washer 1/2-13 Finished Hex Nut WHEN A 8"Ø OR LARGER SHAFT ASSEMBLY IS PROVIDED, THERE IS A 2" EXTENSION ON THE BOTTOM 2.000" OF THE BRACKET. (SEE NOTE)

> THRU 10"Ø SHAFT ASSEMBLY 17" AND LARGER COIL DIMENSION MIN. THICKNESS 0.240" ASTM A36 STEEL OR ASTM A480 STAINLESS STEEL, TYPES 304 OR 316, MIN. 36 KSI YIELD STRENGTH SCALE: 1-1/2" = 1'-0"







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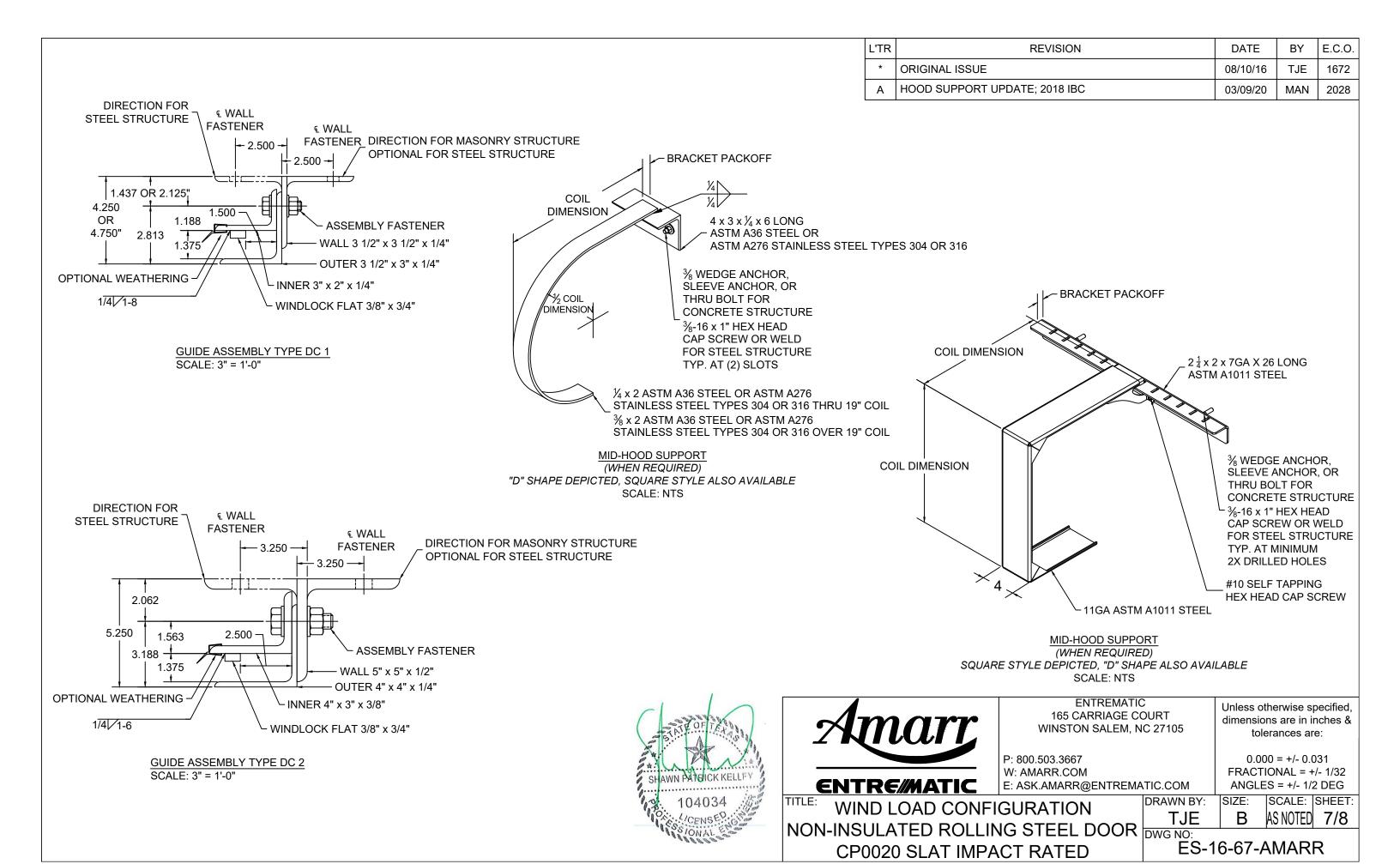
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WIND LOAD CONFIGURATION NON-INSULATED ROLLING STEEL DOOR DWG NO: CP0020 SLAT IMPACT RATED

DRAWN BY: SIZE: SCALE: SHEET: **TJE** AS NOTED 6/8

ES-16-67-AMARR



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| | CP0020 -Galvanized or Stainless Steel | | | | | | | | | | | | | | | | |
|--------------|---------------------------------------|---------------------|------------------|-------|-----------------|--------------------------------|------------------------|----------------------------------|---------------------|----------|-----------------------------|------------------------|-----------|-------------------|--------|------------------------|-----------|
| | | | | | | | | Concr | ete Minim | | PSI Compre neter as asse | - | | ors are th | e same | | |
| | | | Windlock | | | Cuida Nar II Assembly Assembly | | | | | Hilti Kwik Bolt 3 | | | Simpson Wedge All | | | |
| DBG Up To | Minimum Thickness | Maximum Pressure | Flat Location | Slip | Windlock | Guide Assembly | Windlock Weld Pitch | Assembly Fastener Diameter | Fastener Spacing | Max O.C. | Embed | Min. Wall Thick. | Edge Dist | Max O.C. | Embed | Min. Wall Thick. | Edge Dist |
| 14'-5" | 0.0296 | 65 PSF | 1 1/2 | 0.656 | CP1152 & CP1153 | DC1 | 8 | 1/2 | 12 | 8 | 3 1/2 | 5 1/4 | 5 3/4 | 8 | 4 1/2 | 6 3/4 | 5 3/4 |
| 25'-5" | 0.0296 | 65 PSF | 2 1/2 | 1.656 | CP1152 & CP1153 | DC2 | 6 | 3/4 | 15 | 11 | 4 3/4 | 7 1/8 | 7 1/2 | 11 | 5 | 7 1/2 | 7 1/2 |

| | CP0020 - Galvanized or Stainless Steel, Cont. | | | | | | | | | | | |
|--------|---|------------|-----------|--|------------|-----------------|----------|-------------------|---|--------|--------|--------|
| | | Filled CMU | | Steel (Wall anchors are the same diameter as assembly fasteners) | | | | | y Superimposed Loads (at Maximum Pre | | | |
| DBG | Through Bolt | | | We | lded | Through Bolt | Tapped | | — Superimposed Loads (at Maximum Fresse | | | |
| Up To | Max. O.C. | Dia. | Edge Dist | Max O.C. | Slot Size | Max O.C. | Max O.C. | Min. Thickness | Vx (+) | Vy (+) | Vx (-) | Vy (-) |
| 14'-5" | 8 | 1/2 | 5 3/4 | 12 | 9/16 x 3/4 | 12 | 12 1/4 | | 1928 | 473 | 1906 | 473 |
| 25'-5" | 8 | 3/4 | 7 1/2 | 15 | 13/16 x 1 | 15 | 15 | 3/8 | 3147 | 828 | 3132 | 829 |





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ES-16-67-AMARR AS NOTED 8/8