



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

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

Duraflex, a division of Duraserv Corp.
899 Venture Blvd.
Wooster, OH 44691

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Duraflex Model DFN Steel Composite Sectional Garage Door up to 12ft.-2in. Wide

APPROVAL DOCUMENT: Drawing No. **24-56D**, titled "Duraflex DFN Sectional Garage Door (L.M.I.), sheets 1 through 6 of 6, dated 09/04/2024, prepared by Al-Farooq Corporation, signed, and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

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

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

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

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

This NOA consists of page 1 and evidence page E-1, as well as the approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Iñera, P.E.**



12/06/24

NOA-No 24-1009.03
Expiration Date: December 19, 2029
Approval Date: December 19, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **24-56D**, titled “Duraflex DFN Sectional Garage Door (L.M.I.), sheets 1 through 6 of 6, dated 09/04/2024, prepared by Al-Farooq Corporation, signed, and sealed by Jalal Farooq, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, per FBC TAS 202-94
2) Forced Entry Resistance Test, per FBC TAS 202-94
along with marked-up drawings and installation diagram of a 12’-2” Sectional Garage Door, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. **T229-24**, dated 07/15/2024, with revision dated 11/12/2024, signed and sealed by Daniel G. Farabaugh, P.E.
2. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of 12’-2” Sectional Garage Doors, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. **T246-24**, dated 07/15/2024, with revision dated 11/12/2024, signed and sealed by Daniel G. Farabaugh, P.E.

C. CALCULATIONS

1. Anchor calculations, prepared by Al-Farooq Corporation, dated 09/10/2024, signed, and sealed by Jalal Farooq, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Test report on Surface Burning Characteristics per ASTM E84-23b of Duraflex non-insulated, prepared by Intertek, test report No. **Q9785.01-121-18-R0**, dated 02/15/2024, signed by Tanya A. Dolby, P.E.
2. Test report on Ignition Temperature per ASTM D1929-16 and Rate of Burning per ASTM D635-14 of exterior skin, tubes and foam core, prepared by Intertek, test report No. **L0468.01-106-18-R0**, dated 08/17/2020, signed by Daniel C. Culbert, P.E.

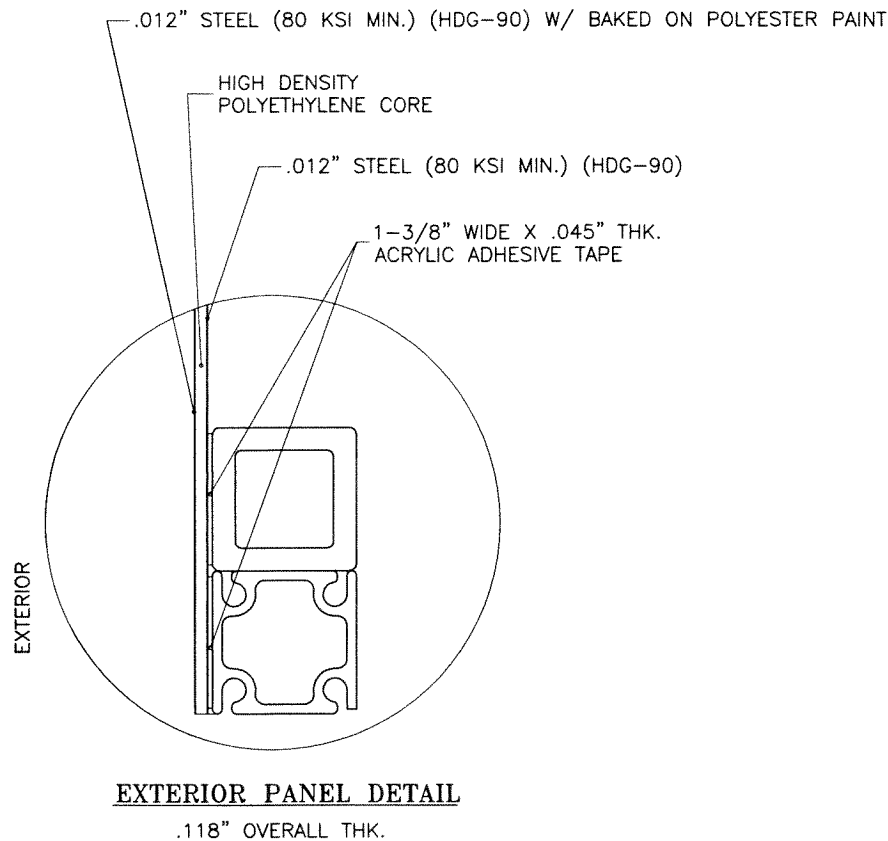
F. STATEMENTS

1. Statement letter of code conformance with the 8th edition (2023) of the FBC and of no financial interest, issued by Al-Farooq Corporation, dated 09/11/2024, signed, and sealed by Jalal Farooq, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No 24-1009.03
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DOOR HEIGHT	NUMBER OF SECTIONS REQD.	
	21" SECTIONS	24" SECTIONS
5'-3"	3	0
7'-0"	4	0
7'-6"	2	2
8'-0"	0	4
8'-9"	5	0
9'-0"	4	1
10'-0"	0	5
11'-0"	4	2
12'-0"	0	6
13'-0"	4	3
14'-0"	0	7
7'-9"	1	3
9'-3"	3	2
9'-6"	2	3
10'-6"	6	0
10'-9"	5	1
11'-6"	2	4
11'-9"	1	5
12'-6"	6	1
12'-9"	5	2



THESE DOORS ARE RATED FOR LARGE MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

DOOR TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF FLORIDA
BUILDING CODE, TAS-202, TAS-201 & TAS-203 FOR HVHZ.

DuraFlex DFN-12' 2"
Sectional Garage Door (+46.7, -52.3 psf)

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE
INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND
INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE
BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS
AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE
MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

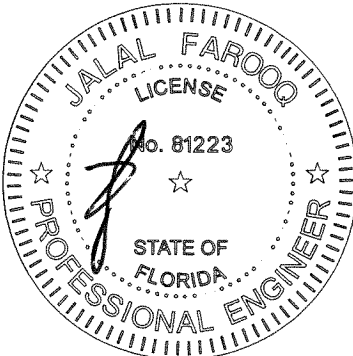
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.


MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,
AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 24-1009.03
Approval Date 12/19/2024
By *[Signature]*
Miami-Dade Product Control



**AL-FAROOQ CORPORATION**
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

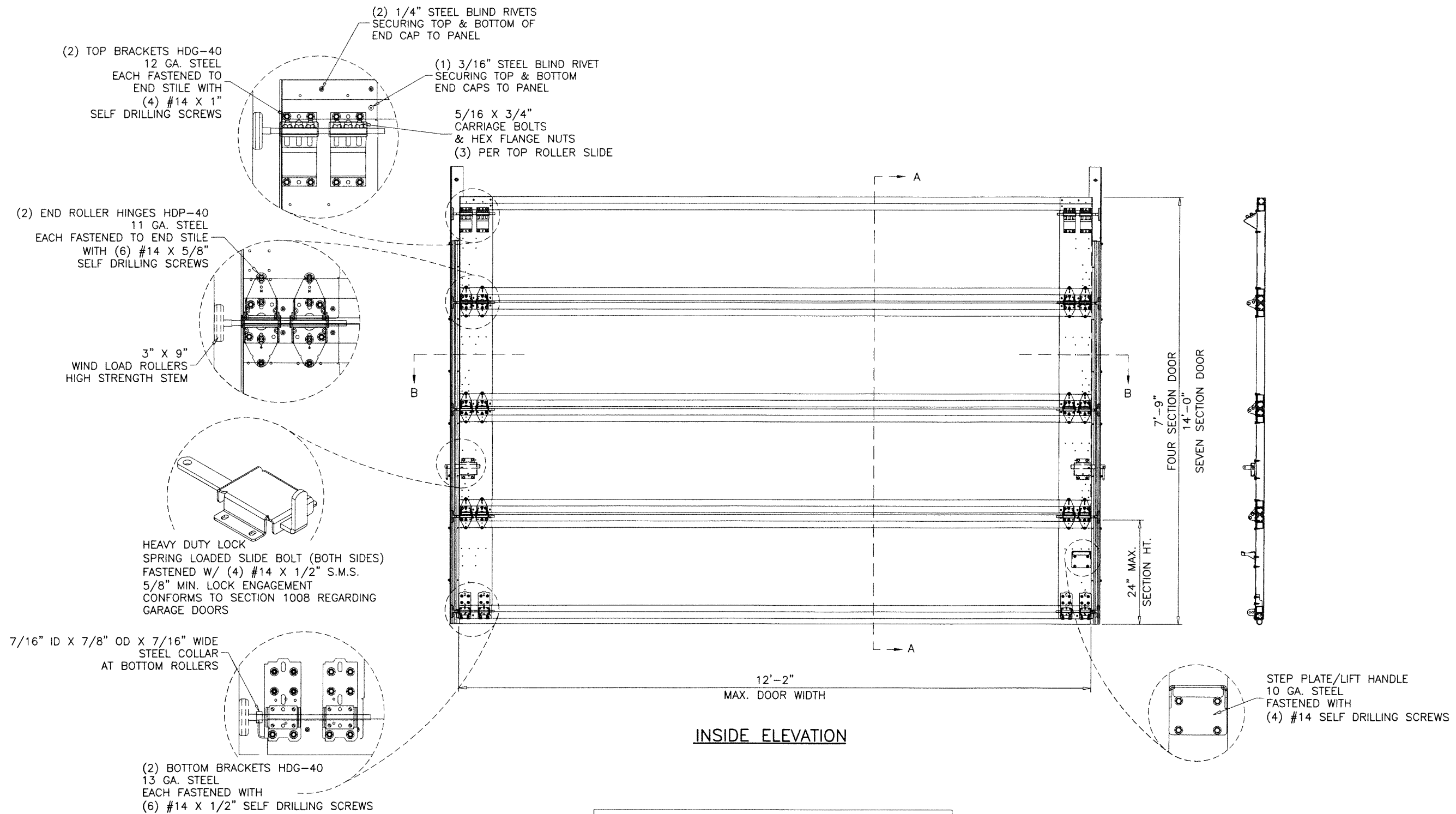
DuraFlex DFN Sectional Garage Door (L.M.I.)
DuraFlex, a division. of DuraServ Corp.
899 Venture Blvd.
Wooster, OH. 44691
Tel. (800) 994-2361
www.duraservcorp.com

revisions:
no. date by description

date: 09-04-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

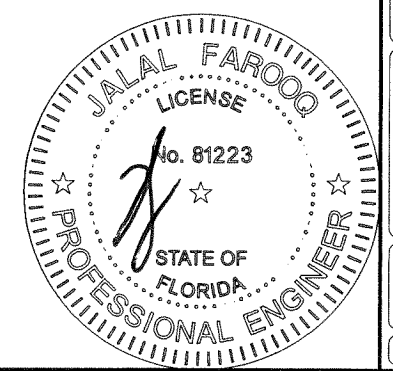
drawing no.
24-56D
sheet 1 of 6

GARAGE\24-56D-DSC



MAXIMUM DESIGN LOAD RATING = + 46.7 PSF
(DOOR SIZE SHOWN ABOVE OR SMALLER) - 52.3 PSF

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NOV 21 2024

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garage\24-56D-DSC

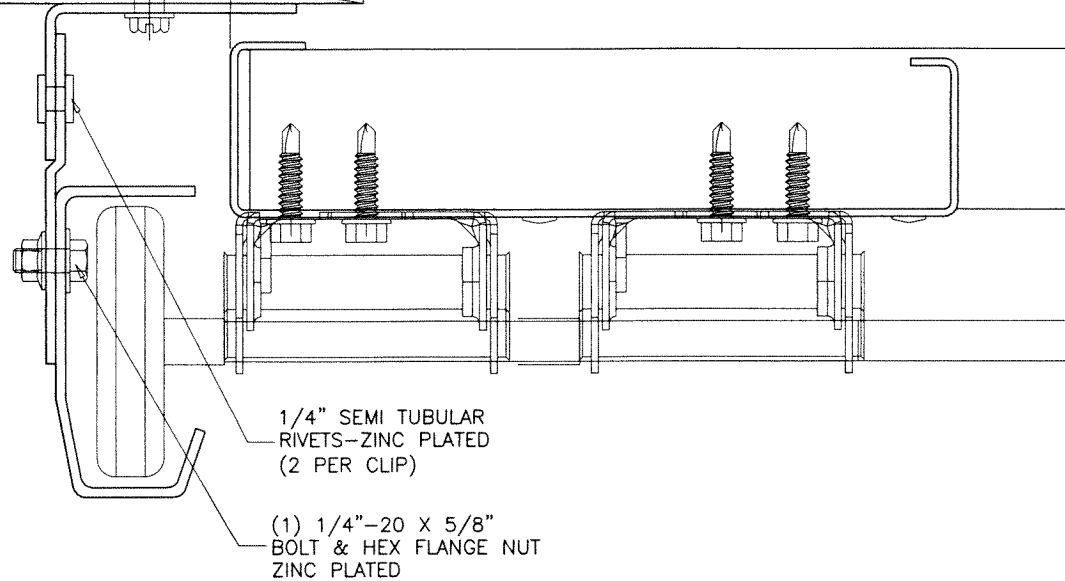
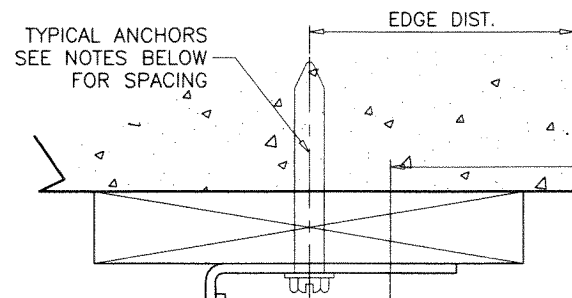
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revisions:
no date by description

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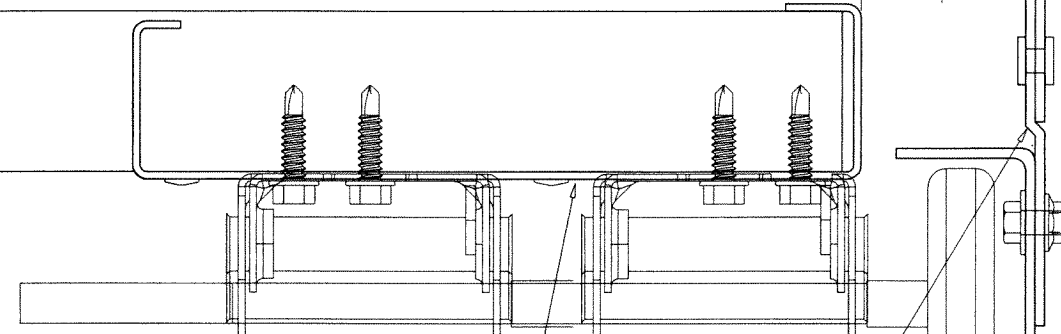
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24-56D

sheet 2 of 6

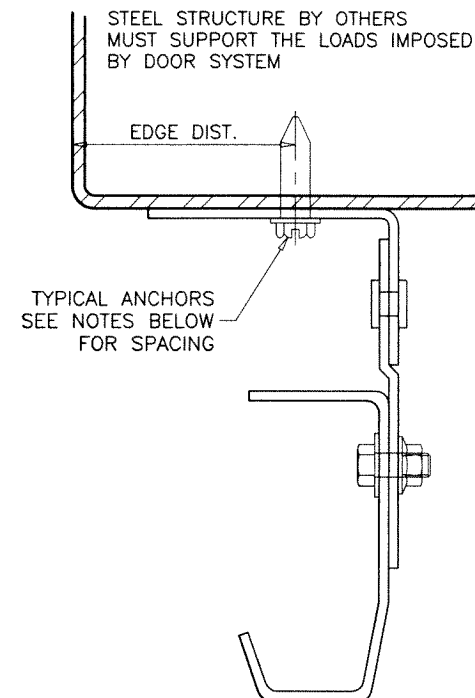
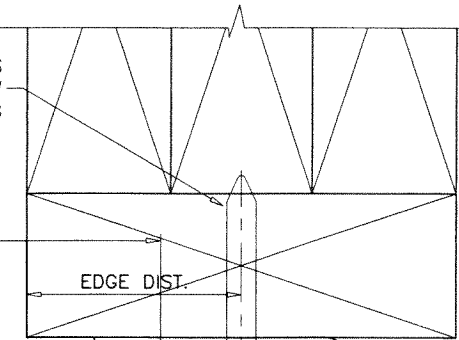


SECTION WIDTH
EXTERIOR

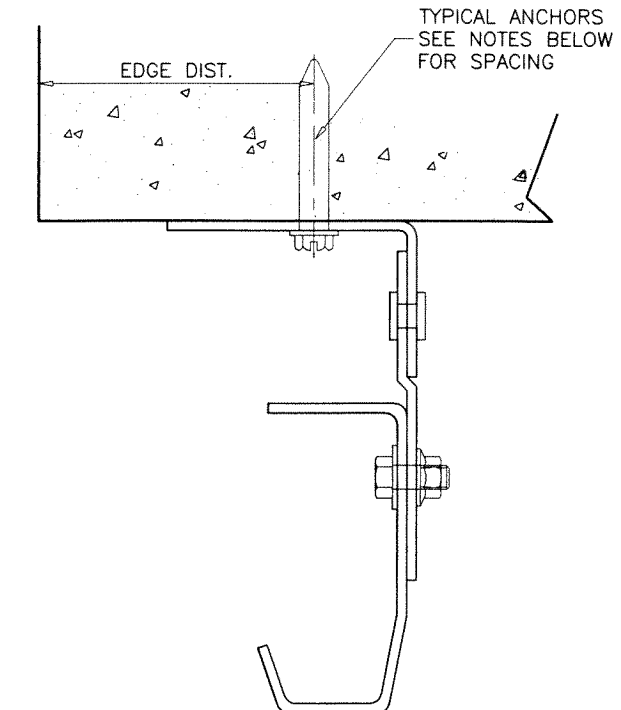
SECTION B-B



TYPICAL ANCHORS
SEE NOTES BELOW
FOR SPACING



TYPICAL ANCHORS
SEE NOTES BELOW
FOR SPACING



TYPICAL ANCHORS:

5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

THRU 1BY OR 2BY BUCKS INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE
AT 10" FROM BOTTOM AND 12" O.C. MAX.

DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED INTO CONCRETE
AT 10" FROM BOTTOM AND 12" O.C. MAX.

3/8" DIA. KWIK BOLT-3 EXPANSION ANCHOR BY 'HILTI'

DIRECTLY INTO MASONRY
1-5/8" MIN. EMBED INTO GROUT-FILLED BLOCKS
AT 6" FROM BOTTOM AND 6" O.C. MAX.

5/16" DIA. DRIL-FLEX SELF DRILLING SCREWS BY 'DEWALT' (GRADE 5 CRS)

INTO METAL STRUCTURES
AT 10" FROM BOTTOM AND 12" O.C. MAX.
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

5/16" DIA. LAG SCREWS

INTO WOOD STRUCTURES
2" MIN. PENETRATION INTO WOOD
AT 6" FROM BOTTOM AND 6" O.C. MAX.

TYPICAL EDGE DISTANCE

INTO CONCRETE & FILLED BLOCKS = 1-5/8" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

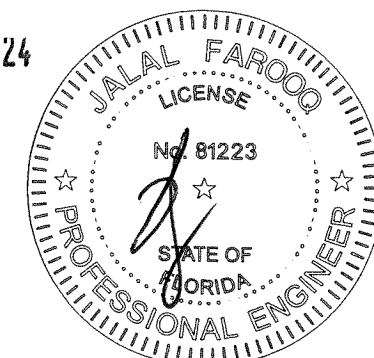
WOOD SG = 0.55 MIN.
CONCRETE f'c = 3000 PSI MIN.
C-90 GROUT FILLED BLOCK f'm = 2000 PSI MIN.

PRODUCT APPROVED
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Approval Date 12/19/2024

By *[Signature]*
Miami-Dade Product Control

NOV 21 2024



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GARAGE 24-56D-DSC

DuraFlex DFN Sectional Garage Door (L.M.I.)

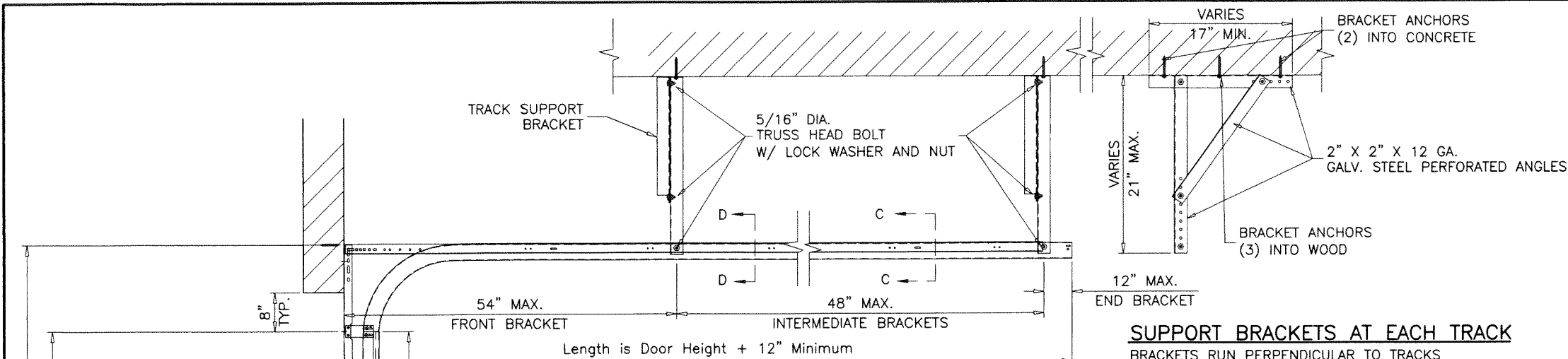
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revisions:		by description	
no	date	no	date

date: 09-04-24
scale: 1/2" = 1"
dr. by: TARIQ
chk. by:
drawing no.
24-56D
sheet 4 of 6



NOTE:
IT SHALL BE VERIFIED THAT THE CEILING STRUCTURE CAN SUSTAIN LOADS IMPOSED BY DOOR WHEN LEFT IN OPEN POSITION.
BRACES MAY BE MOVED IN ORDER TO ENGAGE THE CEILING STRUCTURE.
ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND ALL CEILING NON STRUCTURAL MATERIAL STUCCO OR CEILING DRESSING.

SUPPORT BRACKETS AT EACH TRACK

BRACKETS RUN PERPENDICULAR TO TRACKS
FRONT AND END BRACKETS TO BE SPACED AS SHOWN ABOVE.
ADDITIONAL INTERMEDIATE BRACKETS TO BE INSTALLED FOR SPACING MORE THAN 48" IN BETWEEN FRONT AND END BRACKETS.

BRACKET ANCHORS:

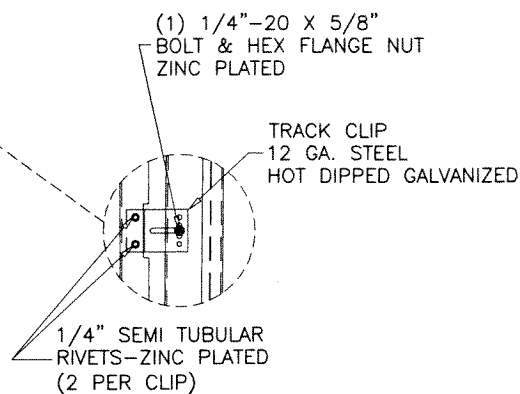
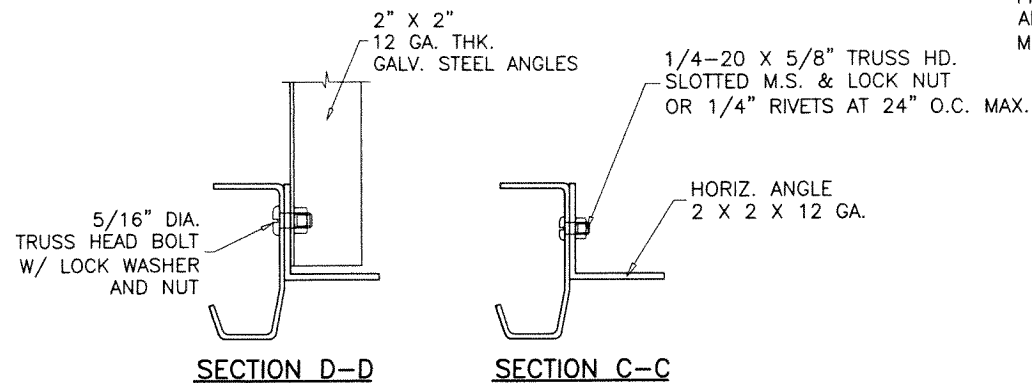
(3) 5/16" DIA. LAG SCREWS

INTO WOOD STRUCTURES, (S.G.=0.50)
1-1/2" MIN. PENETRATION, 1-1/4" MIN. EDGE DIST.

(2) 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)

INTO CONCRETE, 3000 PSI MIN.
1-3/4" MIN. EMBED, 1-5/8" MIN. EDGE DIST.

ANCHORING TO CEILING OTHER THAN WOOD OR CONCRETE TO BE REVIEWED SEPARATELY.



WALL ANGLE
2 3/4" X 1 1/2" X 13 GA. STEEL
LENGTH = DOOR HEIGHT PLUS 9"
.096" MIN. THK. GRADE 33 KSI HOT DIPPED GALV.

VERTICAL TRACK
3" X 13 GA. STEEL
LENGTH = DOOR HEIGHT MINUS 8"
.096" MIN. THK. HOT DIPPED GALV.

NOTE: THE LOWER VERTICAL TRACK ASSEMBLIES ARE STANDARD FOR ALL TRACK CONFIGURATIONS

TRACK CONFIGURATION

STD. LIFT HIGH LIFT VERTICAL LIFT

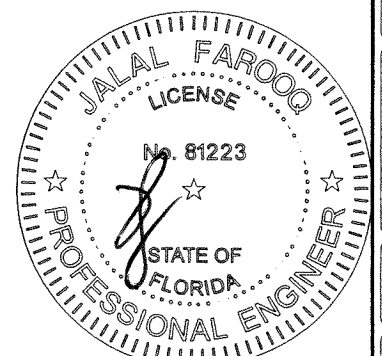
AVAILABLE TRACK OPTIONS

DOOR HEIGHT	VERTICAL TRACK LENGTH	WALL ANGLE LENGTH	TRACK CLIP & ANCHOR SPACING									
			Y-1	Y-2	Y-3	Y-4	Y-5	Y-6	Y-7	Y-8	Y-9	Y-10
5' 3"	55"	72"	44"	55"	70"	NA	NA	NA	NA	NA	NA	NA
7' 0"	76"	93"	46"	58"	67"	76"	NA	NA	NA	NA	NA	NA
7' 6"	82"	99"	46"	58"	70"	82"	NA	NA	NA	NA	NA	NA
8' 0"	88"	105"	46"	58"	73"	88"	NA	NA	NA	NA	NA	NA
8' 9"	97"	114"	46"	58"	70"	82"	97"	NA	NA	NA	NA	NA
9' 0"	100"	117"	46"	58"	70"	82"	91"	100"	NA	NA	NA	NA
10' 0"	112"	129"	46"	58"	70"	82"	97"	112"	NA	NA	NA	NA
11' 0"	124"	141"	46"	58"	70"	82"	94"	106"	151"	124"	NA	NA
12' 0"	136"	153"	46"	58"	70"	82"	94"	106"	121"	136"	NA	NA
13' 0"	148"	165"	46"	58"	70"	82"	94"	106"	118"	130"	139"	148"
14' 0"	160"	177"	46"	58"	70"	82"	94"	106"	118"	130"	145"	160"

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 24-1009.03

Approval Date 12/19/2024

By *[Signature]*
Miami-Dade Product Control



NOV 21 2024

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

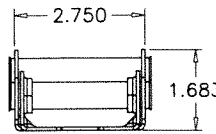
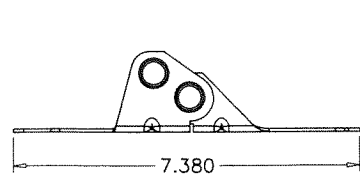
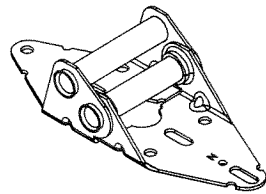
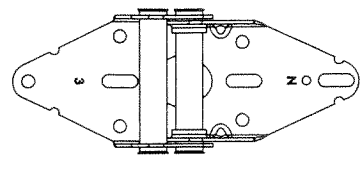
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revisions:

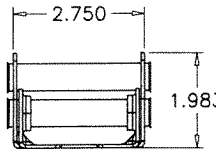
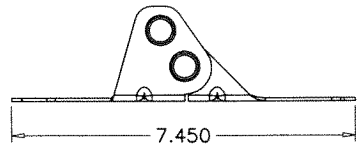
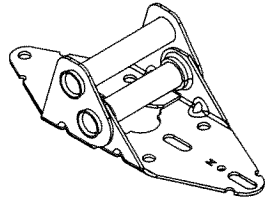
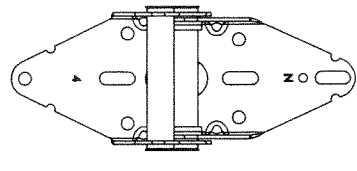
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date: 09-04-24
scale: -
dr. by: TARIQ
chk. by:
drawing no. 24-56D
sheet 5 of 6

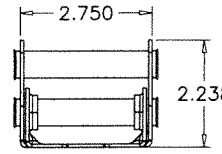
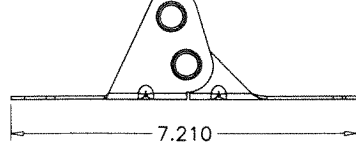
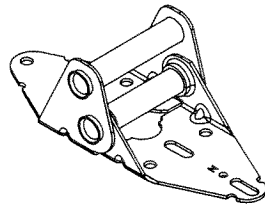
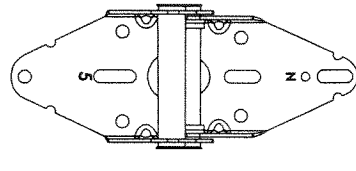
GARAGE/24-56D-DSC



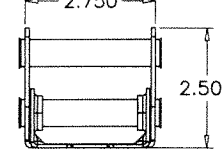
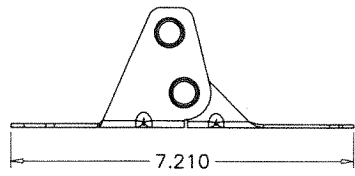
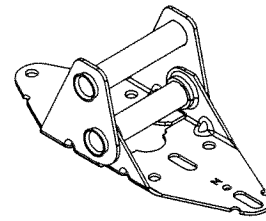
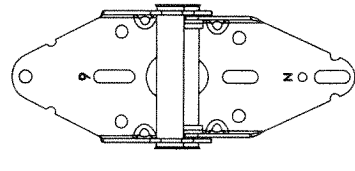
#3 HINGE (11 GA. STEEL)



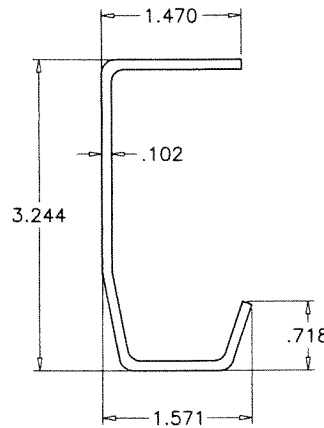
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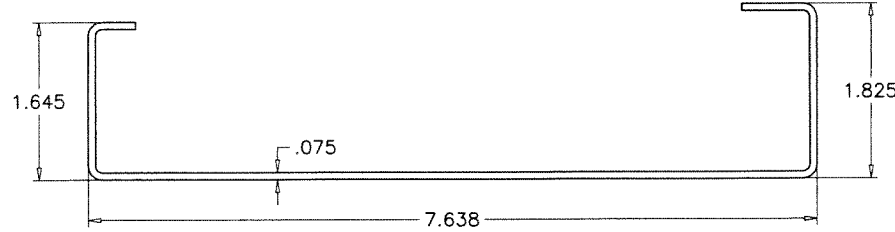
#5 HINGE (11 GA. STEEL)



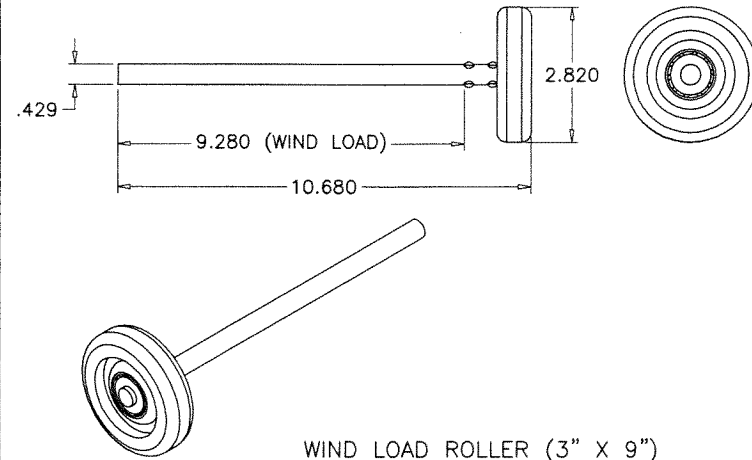
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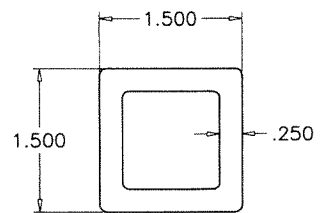
TRACK
13 GA. STEEL
SCALE 1/2" = 1"



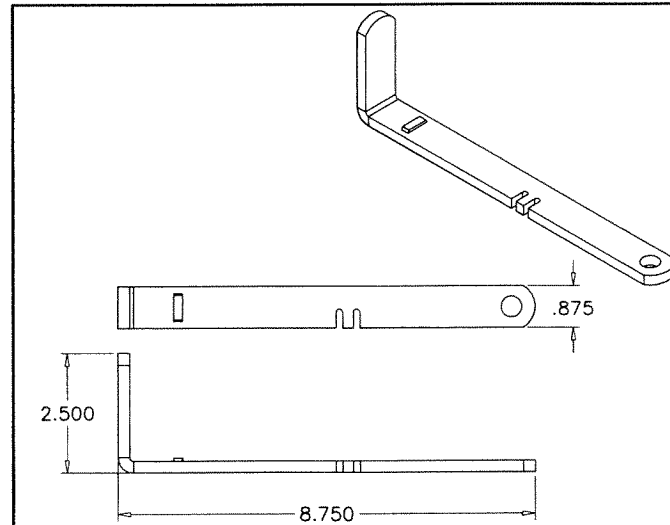
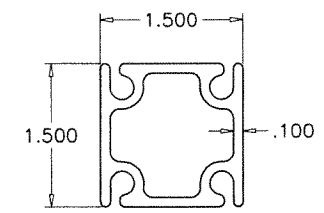
VERTICAL STILE/END CAP
14 GA. STEEL
SCALE 1/2" = 1"



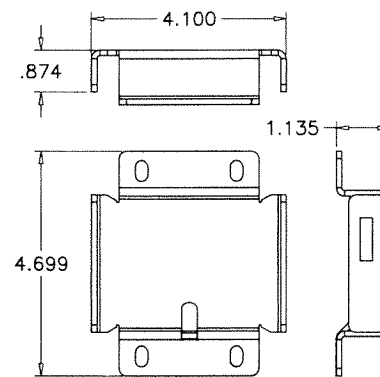
WIND LOAD ROLLER (3" X 9")



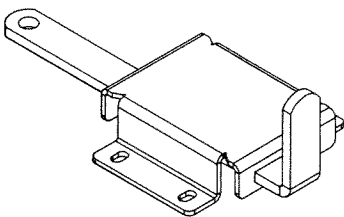
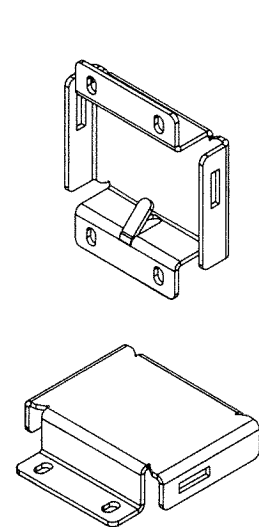
SECTION TOP/BOTTOM TUBE
PULTRUDED FIBERGLASS
SCALE 1/2" = 1"




SLIDE LOCK HANDLE



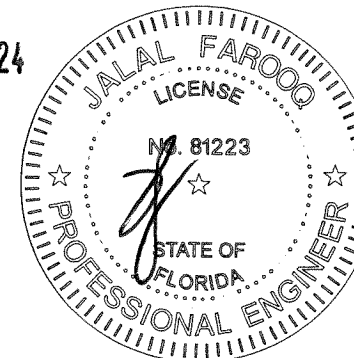
SLIDE LOCK BOX




SLIDE LOCK ASSEMBLY

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 24-1009.03
Approval Date 12/19/2024
By 
Miami-Dade Product Control

NOV 21 2024





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GARAGE\24-56D-DSC

DuraFlex DFN Sectional Garage Door (L.M.I.)

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www.duraservcorp.com

revisions:	no.	date	by	description

date: 09-04-24
scale: 1/4" = 1"
dr. by: TARIQ
chk. by:

drawing no.
24-56D
sheet 6 of 6