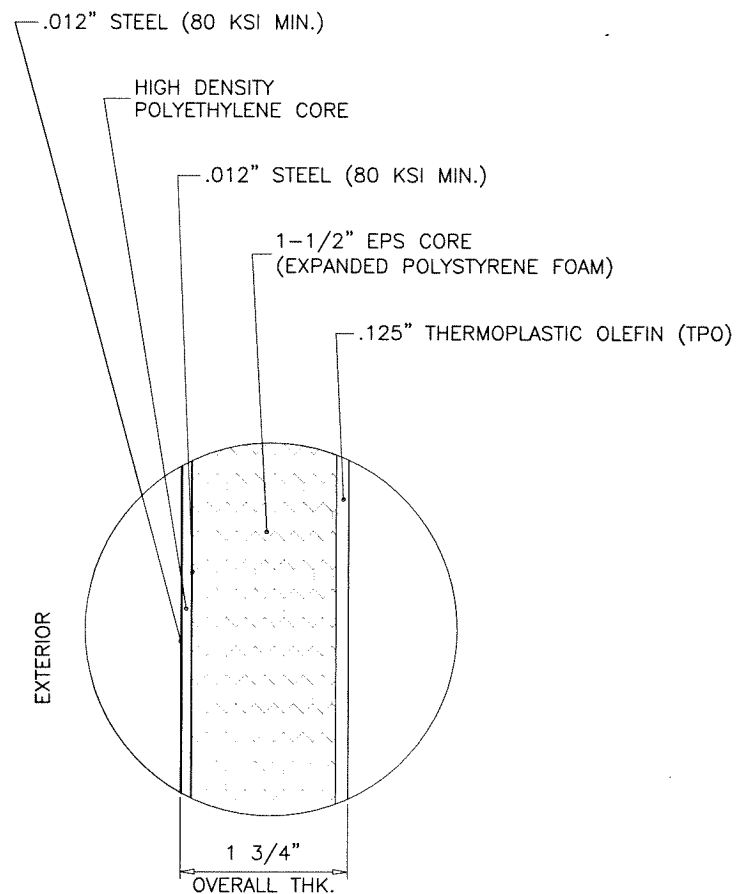


DOOR HEIGHT	NUMBER OF SECTIONS REQD.	
	21" SECTIONS	24" SECTIONS
5'-3"	3	0
7'-0"	4	0
7'-6"	2	2
8'-0"	0	4
8'-9"	5	0
9'-0"	4	1
10'-0"	0	5
11'-0"	4	2
12'-0"	0	6
13'-0"	4	3
14'-0"	0	7
7'-9"	1	3
9'-3"	3	2
9'-6"	2	3
10'-6"	6	0
10'-9"	5	1
11'-6"	2	4
11'-9"	1	5
12'-6"	6	1
12'-9"	5	2



COMPOSITE SECTION DETAIL
EXTERIOR FINISHES HIGH GLOSS POLYESTER PAINT

THESE DOORS ARE NOT RATED FOR IMPACT.
INSTALLATION OF THIS SYSTEM OUTSIDE WIND BORNE DEBRIS PROTECTION AREA SHALL MEET THE APPLICABLE REQUIREMENTS.

TESTING IN ACCORDANCE WITH THE 2018 IRC/IBC AND 2020 FLORIDA BUILDING CODE.
STATIC AIR PRESSURE TEST, TAS 202, ASTM E330-2 AND ANSI/DASMA 108-2.

**Series 'DuraFlex1' (12'-2")
Sectional Garage Door**

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) AND 2018 INTERNATIONAL BUILDING CODE (IBC).

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.

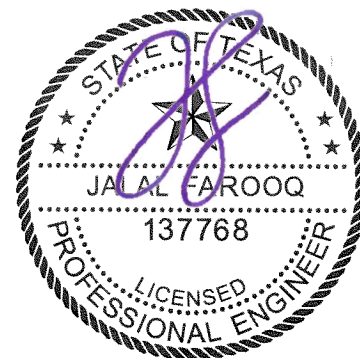
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2018 IRC/IBC.

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)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTIONS R613.4 AND R613.7.1 OF THE IRC AND SECTION 1714.5.1 OF THE IBC.



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ENGINEERS & PRODUCT DEVELOPMENT
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GARAGE 21-18T-DSC

DuraFlex1 12'-2" Sectional Garage Door (N.I.)

DuraServ Corp.
11431 Ferrell Drive, Suite 200
Farmers Branch, TX 75234
Tel: (800) 994-2361 Fax: (-)

revisions:	no	date	by	description

date: 03-11-21
scale: 1/2" = 1"
dr. by: TARIO
chk. by:

drawing no.

21-18T

sheet 1 of 6

TOP BRACKET
12 GA. STEEL
FASTENED TO
END STILE WITH
(4) #14 X 3/4"
SELF DRILLING SCREWS

5/16 X 3/4"
CARRIAGE BOLTS
& HEX FLANGE NUTS
(3) PER TOP ROLLER SLIDE

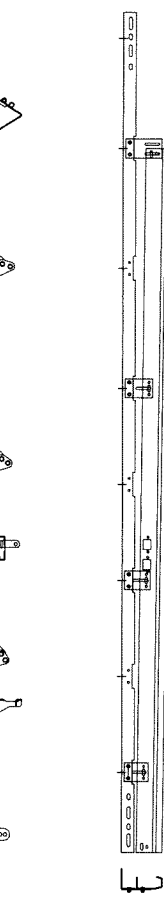
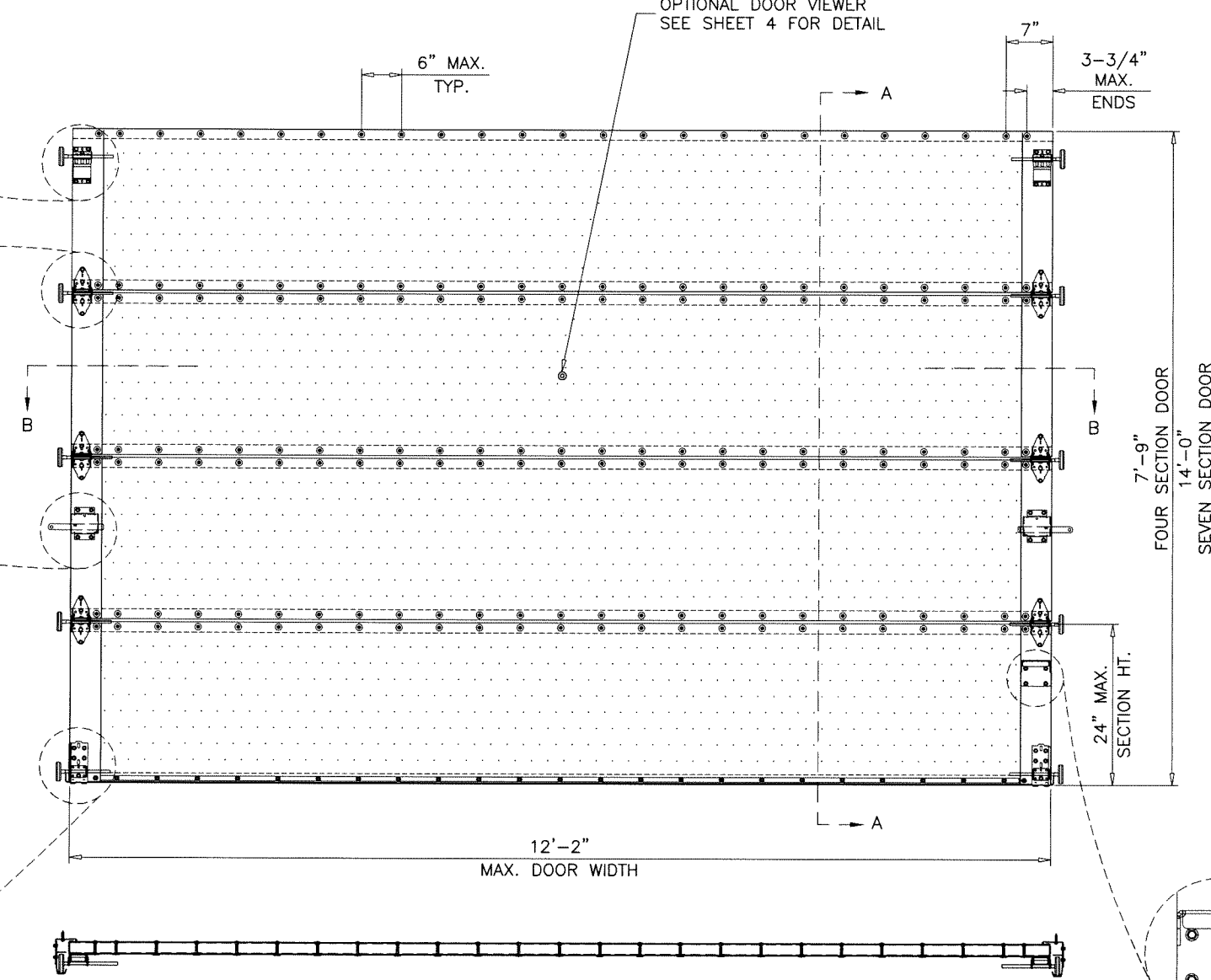
END ROLLER HINGE
11 GA. STEEL
FASTENED TO END STILE
WITH (6) #14 X 5/8"
SELF DRILLING SCREWS

3" Steel Roller
7 1/2" Stem Length
High Strength Stem

STANDARD LOCK
SPRING LOADED SLIDE BOLT (BOTH SIDES)
FASTENED W/ (4) #14 X 1/2" S.M.S.
5/8" MIN. LOCK ENGAGEMENT
CONFORMS TO SECTION 1008 REGARDING
GARAGE DOORS

BOTTOM BRACKET
12 GA. STEEL
FASTENED WITH
(5) #14 X 1/2" SELF DRILLING SCREWS

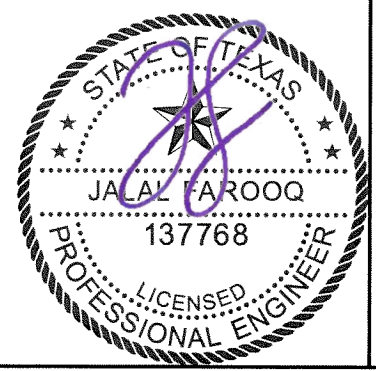
OPTIONAL DOOR VIEWER
SEE SHEET 4 FOR DETAIL



STEP PLATE/LIFT HANDLE
10 GA. STEEL
FASTENED WITH
(4) #14 SELF DRILLING SCREWS

INSIDE ELEVATION

MAXIMUM DESIGN LOAD RATING = + 46.7 PSF
(FOR DOOR SIZE SHOWN OR SMALLER) - 52.9 PSF



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GARAGE\21-18T-DSC

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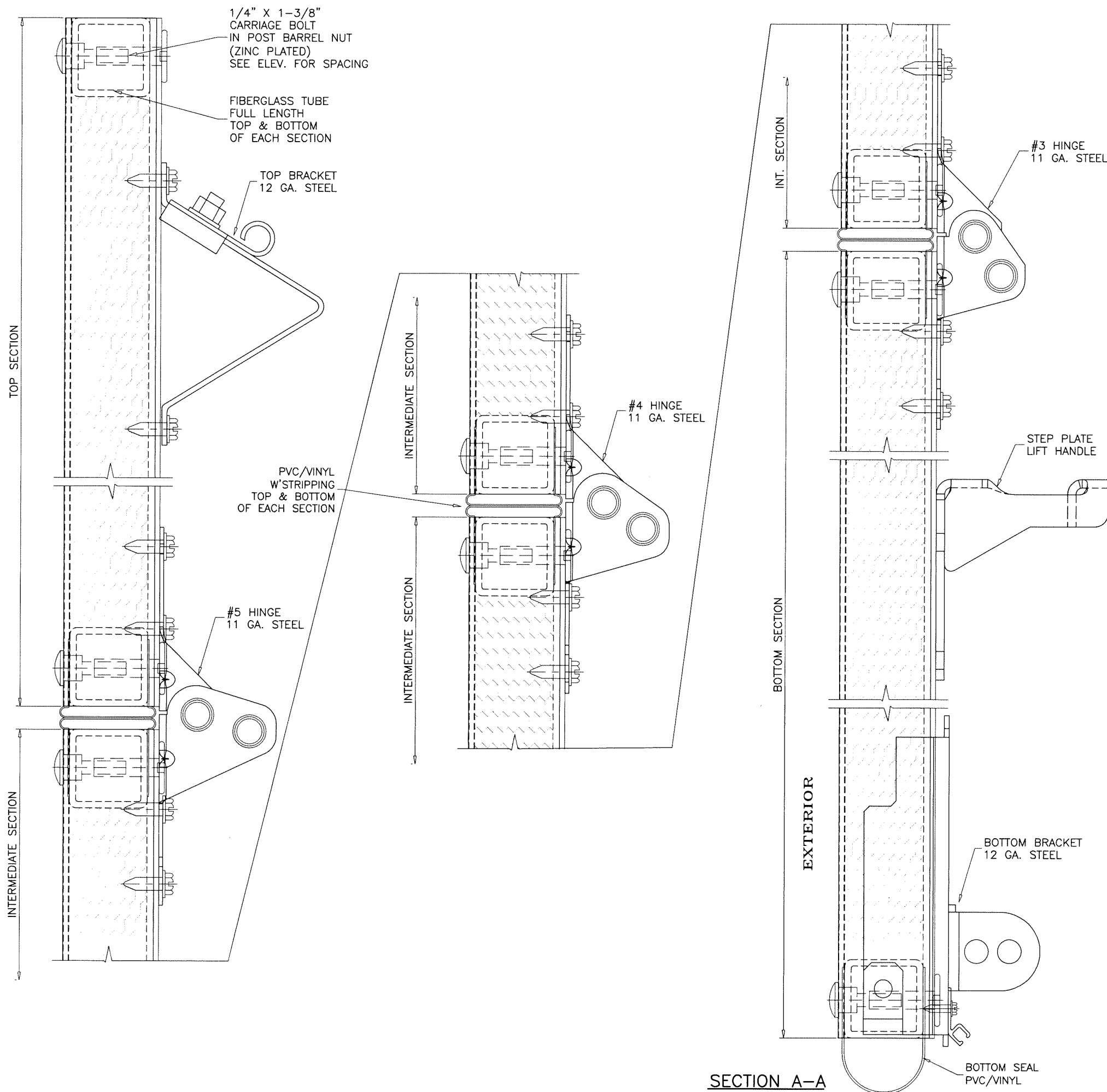
DuraServ Corp.
11431 Ferrell Drive, Suite 200
Farmers Branch, TX 75234
Tel: (800) 994-2361 Fax: (-)

revisions:	no.	date	by	description

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dr. by: TARIQ
chk. by:

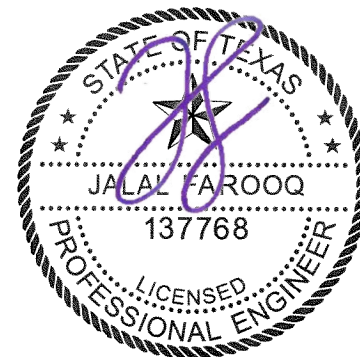
drawing no.
21-18T

sheet 2 of 6



SECTION A-A

5/18/2021

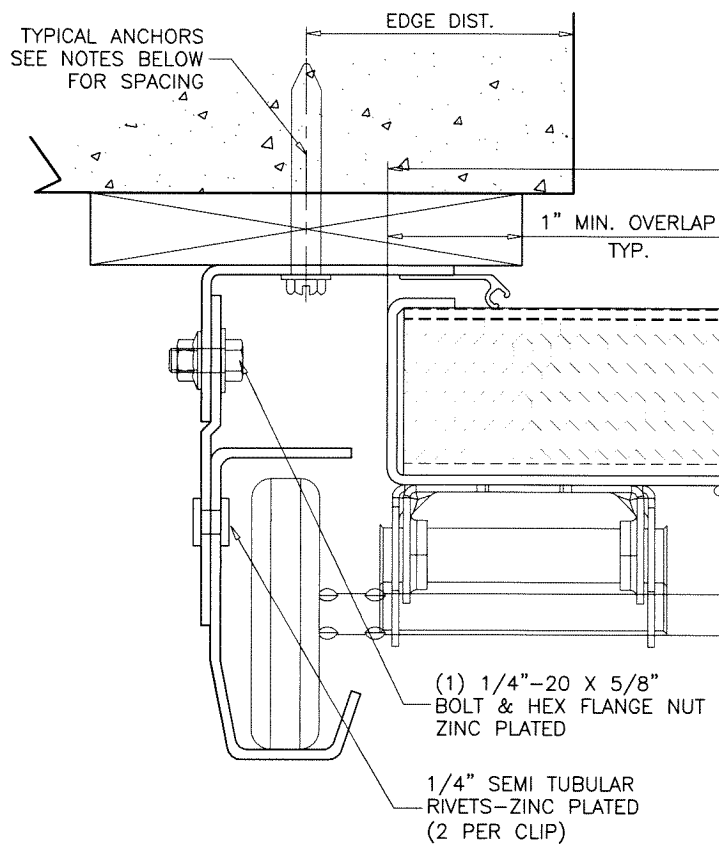


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date: 03-11-21
 scale: 1/2" = 1"
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 drawing no.
21-18T
 sheet 3 of 6



1/4" X 1-3/8"
CARRIAGE BOLT
IN POST BARREL NUT
(ZINC PLATED)
SEE ELEV. FOR SPACING

SECTION WIDTH

EXTERIOR

SECTION B-B

TYPICAL ANCHORS
SEE NOTES BELOW
FOR SPACING

EDGE DIST.

(1) 1/4"-20 X 5/8"
BOLT & HEX FLANGE NUT
ZINC PLATED

1/4" SEMI TUBULAR
RIVETS-ZINC PLATED
(2 PER CLIP)

WRAP AROUND ENDCAP
12 GA. STEEL
2 PER SECTION

TRACK CLIP
13 GA. STEEL
HOT DIPPED GALVANIZED

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 4" FROM BOTTOM AND 6" O.C. MAX.

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

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

DIRECTLY INTO MASONRY
2-1/2" MIN. EMBED INTO GROUT-FILLED BLOCKS
AT 4" FROM BOTTOM AND 6" O.C. MAX.
4" MIN. EDGE DISTANCE

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

INTO METAL STRUCTURES
AT 4" 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)

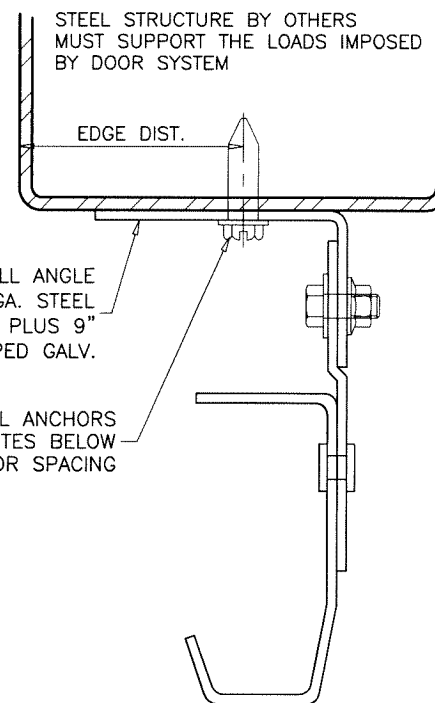
5/16" DIA. LAG SCREWS

INTO WOOD STRUCTURES
2" MIN. PENETRATION INTO WOOD
AT 4" FROM BOTTOM AND 6" O.C. MAX.

TYPICAL EDGE DISTANCE

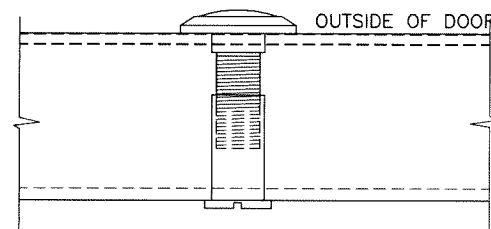
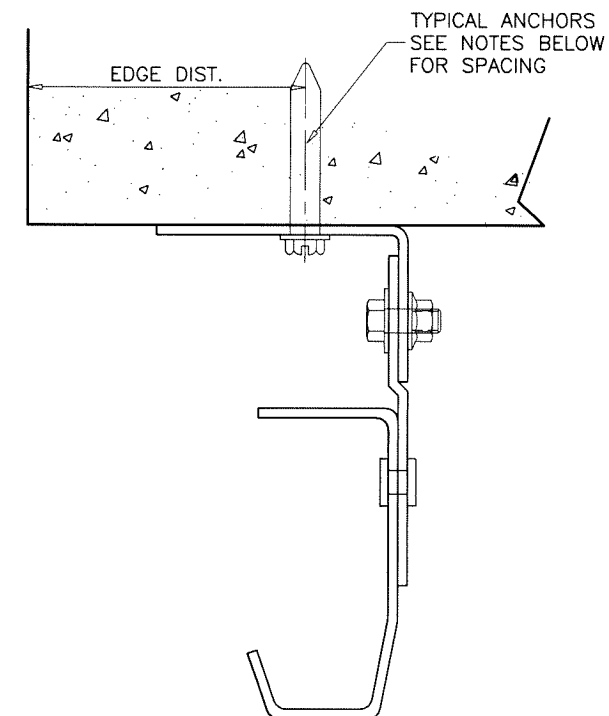
INTO CONCRETE = 2-3/16" MIN.
INTO FILLED BLOCKS = 4" MIN.
INTO WOOD STRUCTURE = 1-1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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

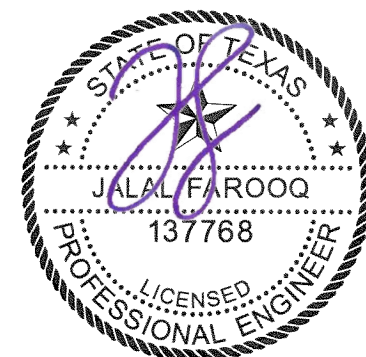


WALL ANGLE
2 5/8" X 1 5/8" X 13 GA. STEEL
LENGTH = DOOR HEIGHT PLUS 9"
.096" MIN. THK. GRADE 33 KSI HOT DIPPED GALV.

TYPICAL ANCHORS
SEE NOTES BELOW
FOR SPACING



SOLID BRASS DOOR VIEWER
BY 'SCHLAGE SECURITY HARDWARE'
INSTALLED IN 9/16" DIA. HOLES
POSITIONED AT EYE LEVEL



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DuraFlex 12'-2" Sectional Garage Door (N.I.)

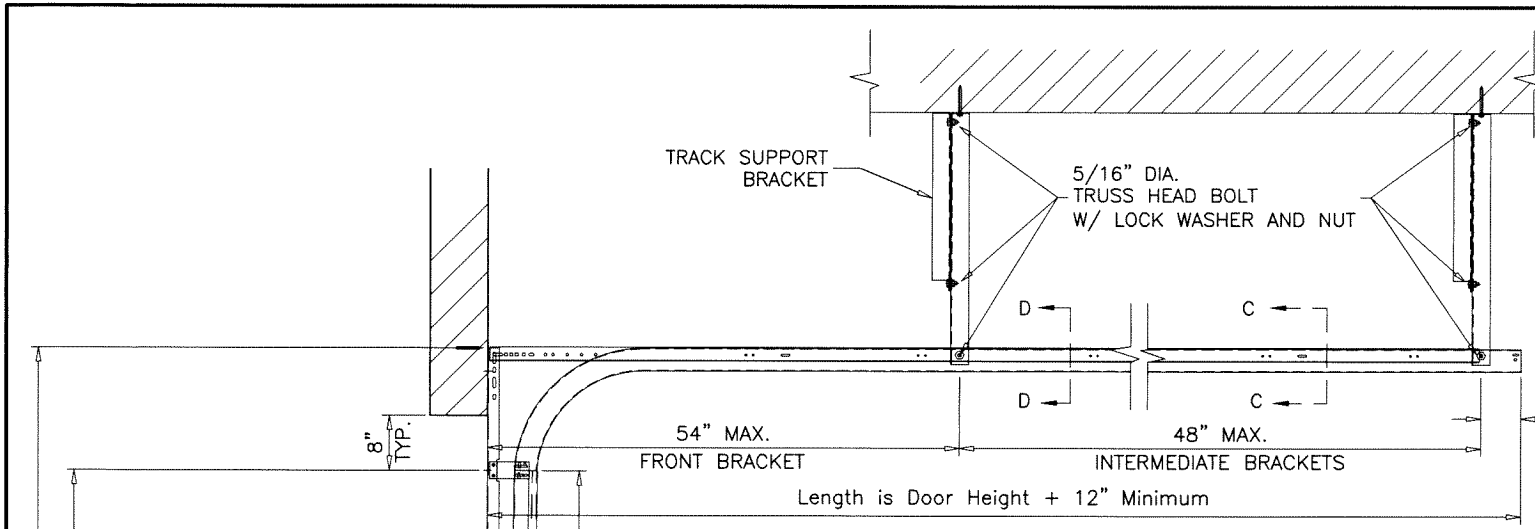
DuraServ Corp.
11431 Ferrell Drive, Suite 200
Farmers Branch, TX 75234
Tel: (800) 994-2361 Fax: (-)

revisions:	no	date	by	description

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scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

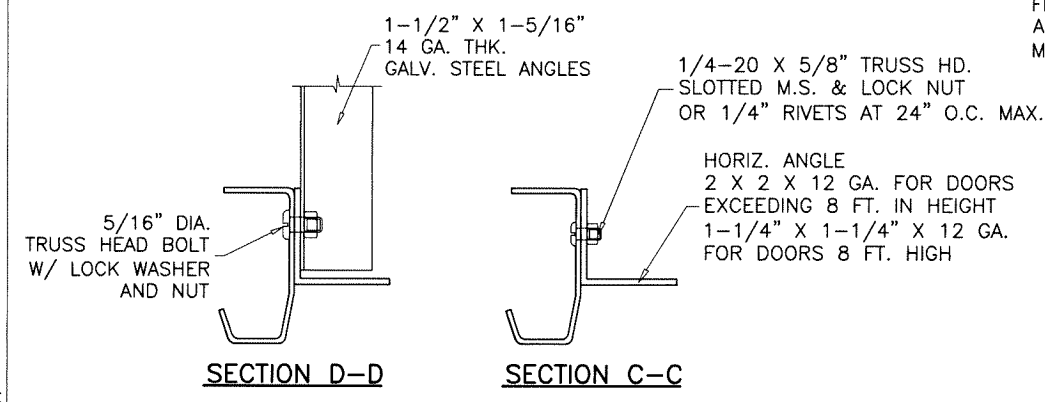
drawing no.
21-18T
sheet 4 of 6

GARAGE 21-18T-DSC



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.

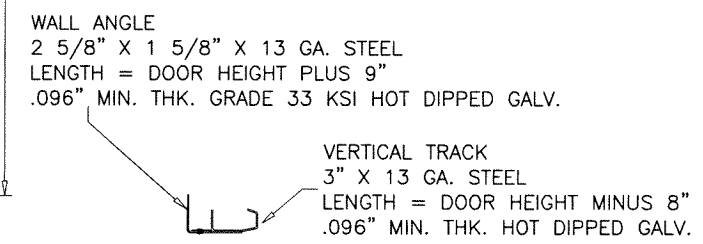
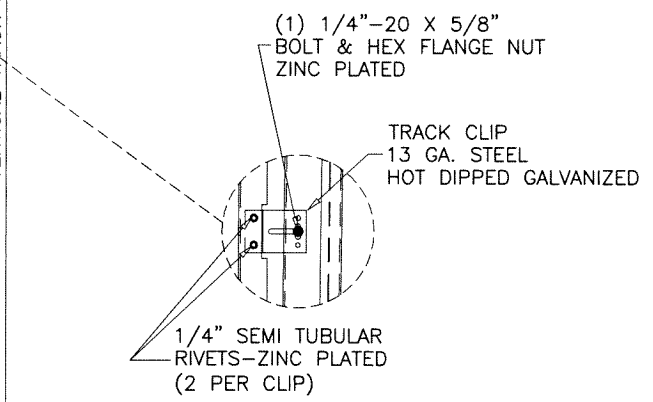
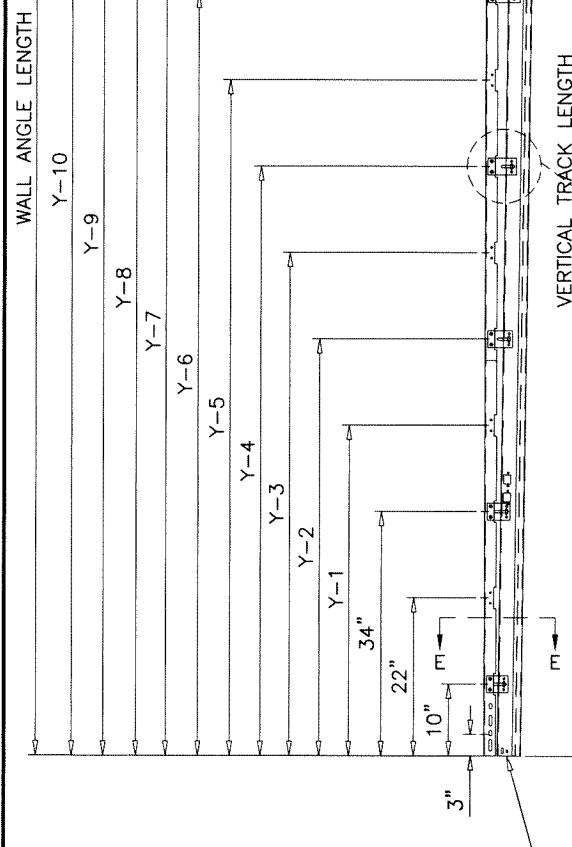


BRACKET ANCHORS:

(3) 5/16" DIA. LAG SCREWS
 INTO WOOD STRUCTURES, (S.G.=0.50)
 1-1/2" MIN. PENETRATION

(2) 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO CONCRETE, 3000 PSI MIN.
 1-3/4" MIN. EMBED

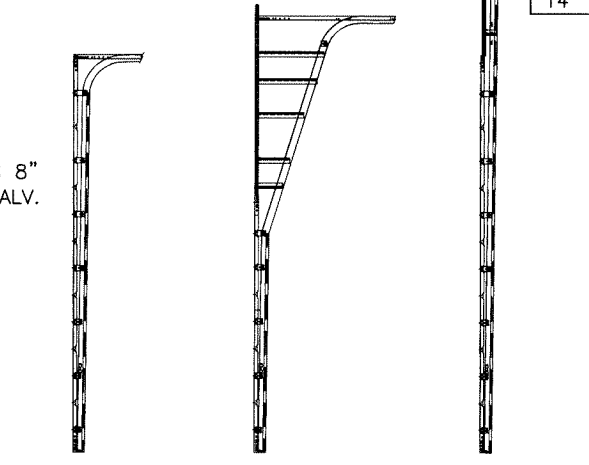
ANCHORING TO CEILING OTHER THAN WOOD OR CONCRETE TO BE REVIEWED SEPARATELY.



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

TRACK CONFIGURATION

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	NA
7' 0"	76"	93"	46"	58"	67"	76"	NA	NA	NA	NA	NA	NA	NA
7' 6"	82"	99"	46"	58"	70"	82"	NA	NA	NA	NA	NA	NA	NA
8' 0"	88"	105"	46"	58"	73"	88"	NA	NA	NA	NA	NA	NA	NA
8' 9"	97"	114"	46"	58"	70"	82"	97"	NA	NA	NA	NA	NA	NA
9' 0"	100"	117"	46"	58"	70"	82"	91"	100"	NA	NA	NA	NA	NA
10' 0"	112"	129"	46"	58"	70"	82"	97"	112"	NA	NA	NA	NA	NA
11' 0"	124"	141"	46"	58"	70"	82"	94"	106"	151"	124"	NA	NA	NA
12' 0"	136"	153"	46"	58"	70"	82"	94"	106"	121"	136"	NA	NA	NA
13' 0"	148"	165"	46"	58"	70"	82"	94"	106"	118"	130"	139"	148"	NA
14' 0"	160"	177"	46"	58"	70"	82"	94"	106"	118"	130"	145"	160"	NA



AVAILABLE TRACK OPTIONS

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.

AL-FAROOQ CORPORATION
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 (C.A.N. 3538)

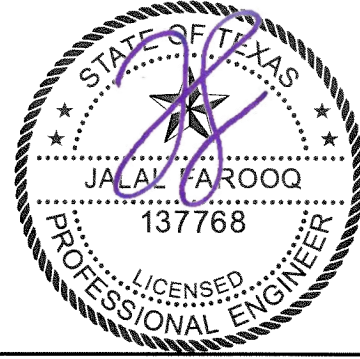
DuraFlex1 12'-2" Sectional Garage Door (N.I.)

DuraServ Corp.
 11431 Ferrell Drive, Suite 200
 Farmers Branch, TX 75234
 Tel: (800) 994-2361 Fax: (-)

revisions:

no.	date	description

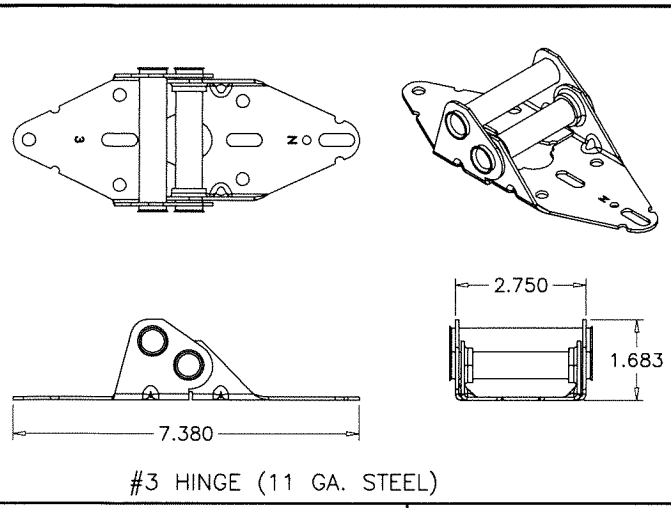
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 chk. by:



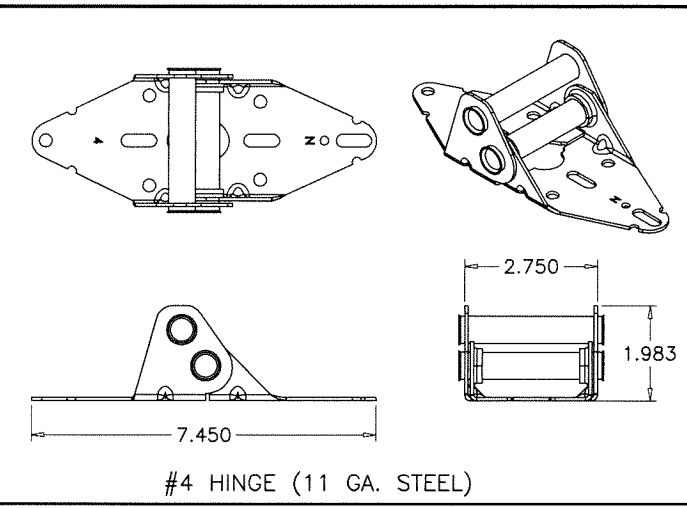
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21-18T
 sheet 5 of 6

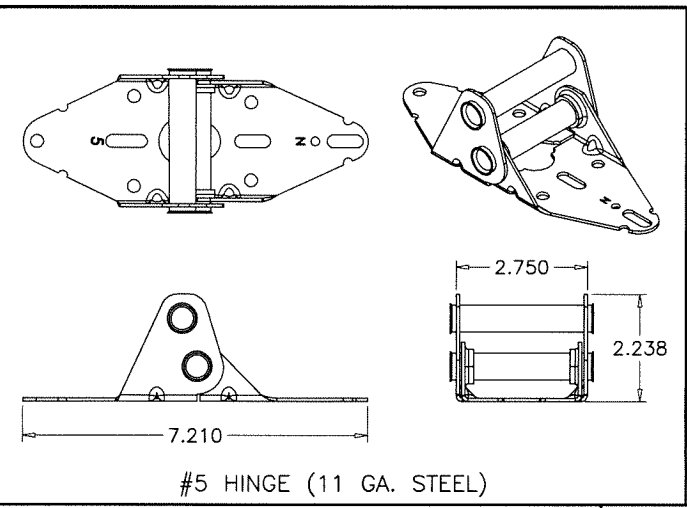
GARAGE\21-18T-DSC



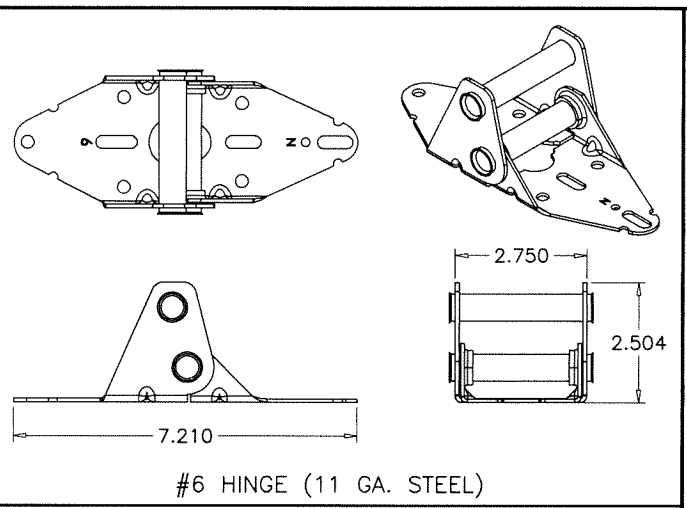
#3 HINGE (11 GA. STEEL)



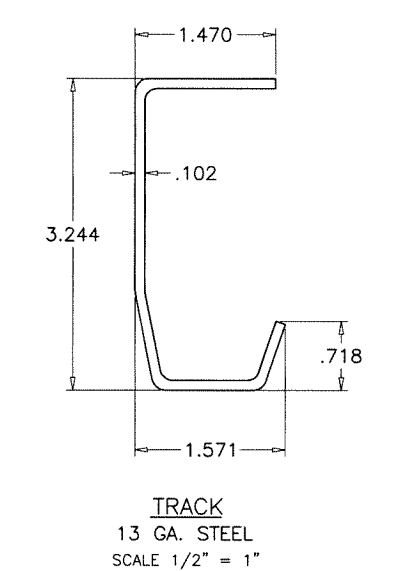
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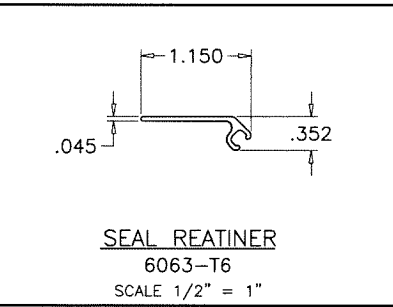
#5 HINGE (11 GA. STEEL)



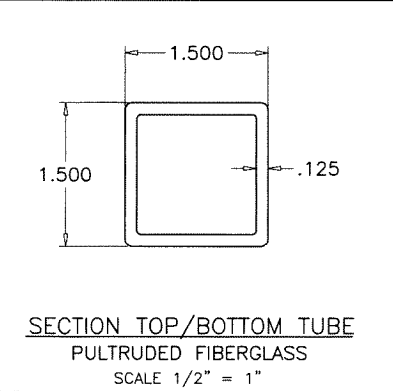
#6 HINGE (11 GA. STEEL)



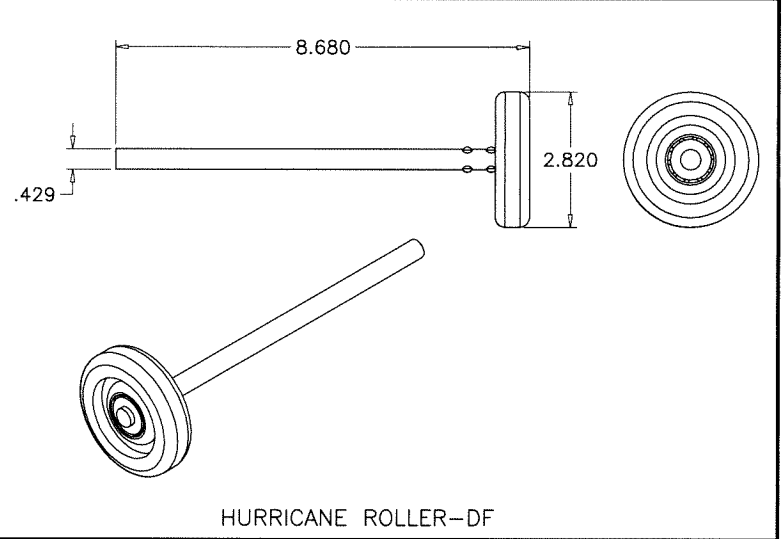
TRACK
13 GA. STEEL
SCALE 1/2" = 1"



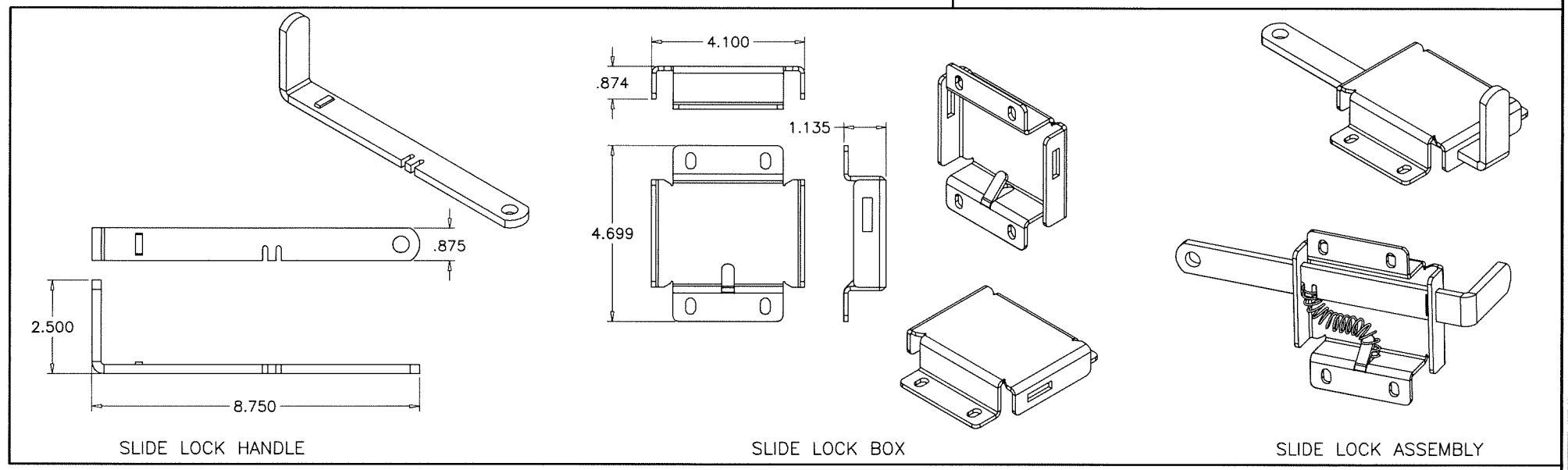
SEAL RETAINER
6063-T6
SCALE 1/2" = 1"



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



HURRICANE ROLLER-DF



SLIDE LOCK HANDLE

SLIDE LOCK BOX

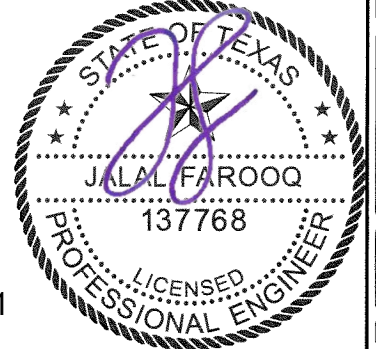
SLIDE LOCK ASSEMBLY

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 chk. by:



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 sheet 6 of 6