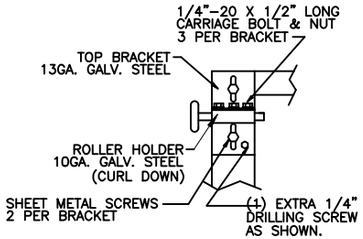
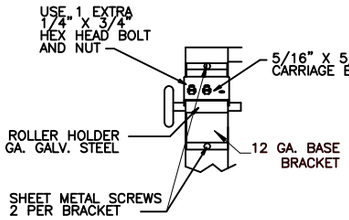
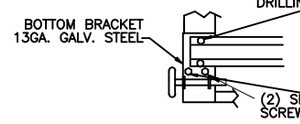


DETAIL F (ALTERNATE)

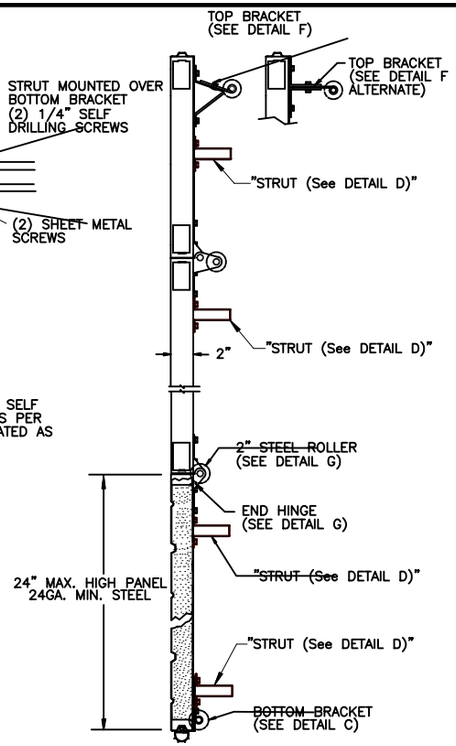


DETAIL F

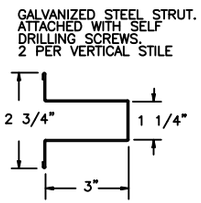
LEFT SIDE SHOWN
RIGHT SIDE OPPOSITE



DETAIL C

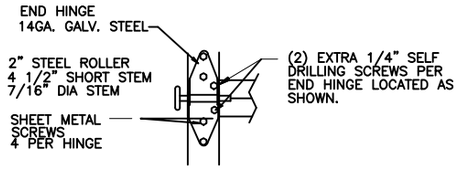


SECTION A–A



DETAIL D

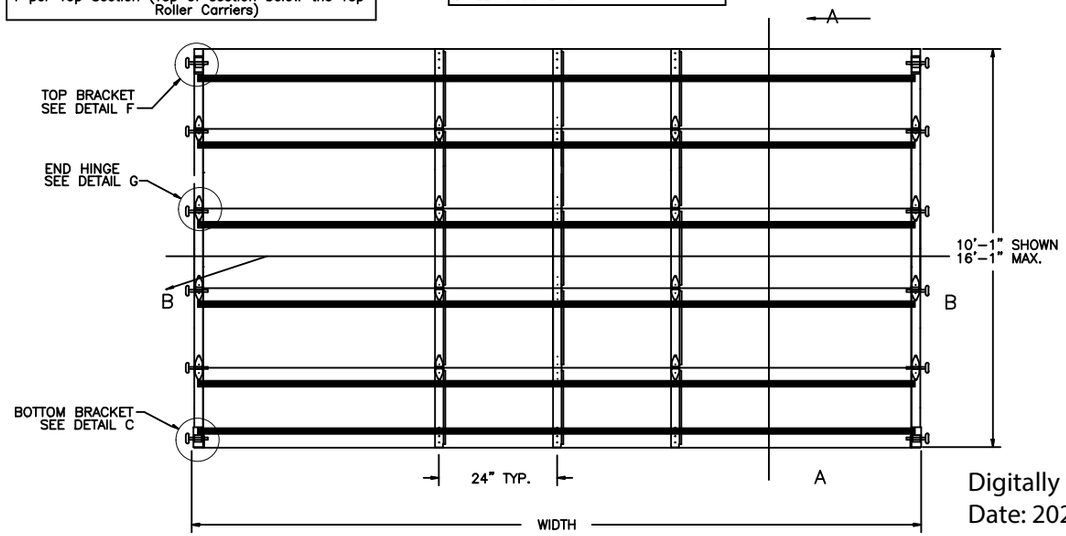
3" 18GA. (0.044") WIDE STRUT



DETAIL G

STRUTTING SCHEDULE
2 per Bottom Section (1 over bottom bracket and 1 below the hinges)
1 per Intermediate Section (Top of section below the hinges)
1 per Top Section (Top of section below the Top Roller Carriers)

NOTE: UNLESS SPECIFIED OTHERWISE, ALL FASTENERS ARE 1/4"–14 X 3/4" HEX HEAD SHEET METAL SCREWS OR 1/4" X 3/4" HEX HEAD SELF DRILLING SCREWS.



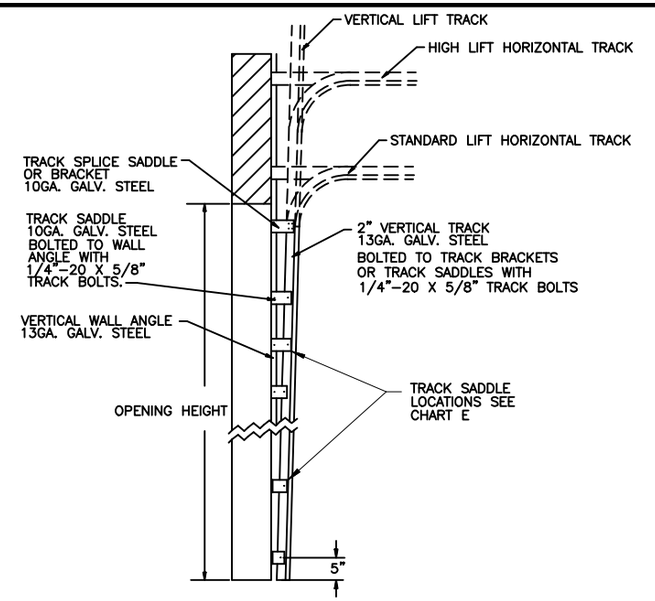
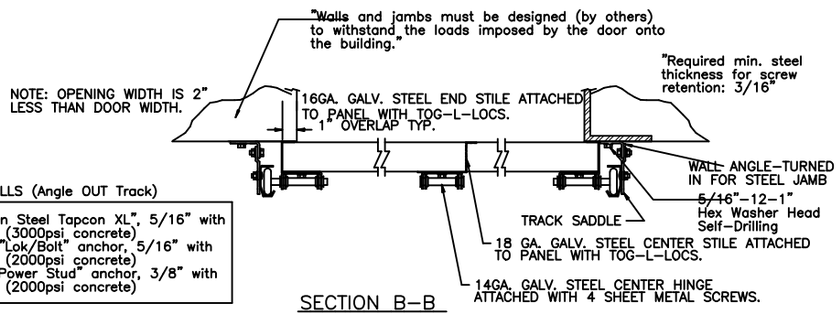


CHART E		
Door Ht.	No. of Track Saddles	TRACK SADDLE LOCATIONS
8'–0"	4	5", 29", 53", 75"
9'–0"	4	5", 29", 53", 75"
10'–0"	5	5", 29", 53", 75", 101",
12"–0"	6	5", 29", 53", 75", 101", 125"
14'–0"	7	5", 29", 53", 75", 101", 125", 149"
16'–0"	8	5", 29", 53", 75", 101", 125", 149", 173"

NOTE: Anchor bolts are located 3/4" above centerline of track saddle.
One anchor bolt per track saddle



SECTION B–B

FOR CONCRETE WALLS (Angle OUT Track)

ITW Buildex "Carbon Steel Tapcon XL", 5/16" with 1.75" embed min. (3000psi concrete)
Powers Fasteners "Lok/Bolt" anchor, 5/16" with 1.75" embed min. (2000psi concrete)
Power Fasteners "Power Stud" anchor, 3/8" with 1.63" embed min. (2000psi concrete)

	P.S.F. TABLE			
DOOR SIZE		NO. OF	STILE	DESIGN PRESSURE	
WIDTH	HEIGHT	CEN. STILES	SPACING	POSITIVE	NEGATIVE
12'–2"	16'–1"	3	24"	+23.7	–26.6

COMPLIES WITH THE WINDLOAD REQUIREMENTS OF THE IBC/IRC 2018.

PRESSURES TABULATED ARE BASED ON TESTS OF MODEL 240 (24ga. Panel) MODEL 200 (20ga. Panel) WILL WITHSTAND EQUAL OR HIGHER PRESSURES

Digitally signed by John E. Scates, P.E.
Date: 2020.11.10 15:44:27 -06'00'

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE VIA TESTING TO ANSI/DASMA 108–05/12/17.

DETERMINATION OF SUITABILITY FOR SPECIFIC SITES IS THE RESPONSIBILITY OF OTHERS.

John E Scates PE
2560 King Arthur Blvd #124–54
Lewisville, TX 75056
TX–PE 56308, F–2203
FL–PE–51737

Professional Engineer's seal provided only for verification of windload construction details.

REV.	DATE	CHANGE
D	6/03/20	PE ADDRESS
C	12/15/11	NEW LOGO/ENG. STAMP
B	08/20/09	
A	07/09/09	

STATE OF TEXAS
JOHN E. SCATES
56308
LICENSED
PROFESSIONAL ENGINEER

WINDSOR DOOR
5800 SCOTT
HAMILTON DR.
LITTLE ROCK, AR
72209
(501) 562–1872

MODELS: MODEL 240(24GA.)/200(20GA.) SINGLE STRUTS

PART NAME: 12'–2" x 16'–1"
DESIGN LOAD
+23.7 –26.6

TOLERANCE
FRAC.± 1/64"
DEC. ± .015
ANG. ± 1°

NEXT LEVEL

DATE: 08–20–09

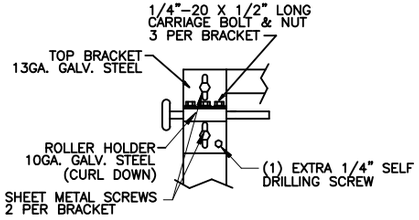
DWG. NO. 99–B–092

SCALE NONE

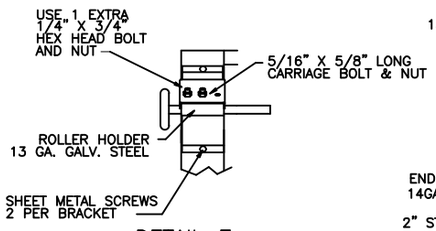
PLOT SCALE

DRN. BY BNB

SHT 1 OF 2

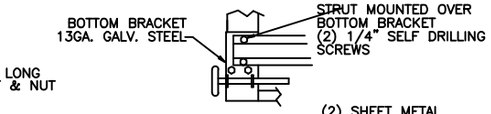


DETAIL F (ALTERNATE)

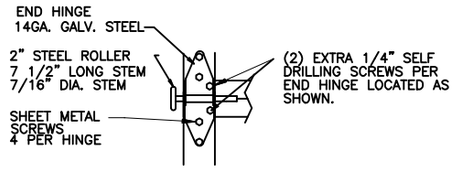


DETAIL F

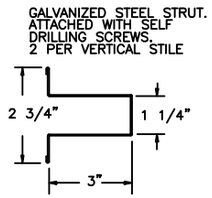
LEFT SIDE SHOWN
RIGHT SIDE OPPOSITE



DETAIL C



DETAIL G



DETAIL D

3" 18GA. (0.044") WIDE STRUT

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2 per Bottom Section (1 over bottom bracket and 1 below the hinges)
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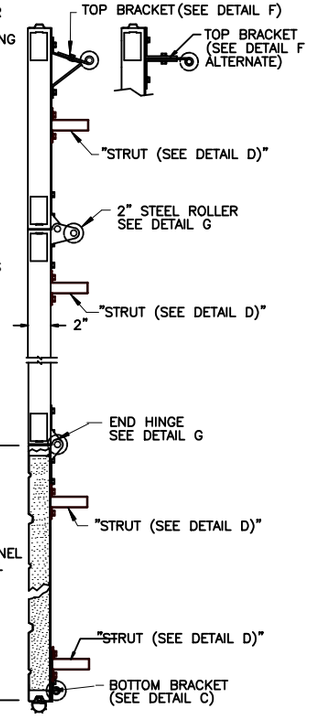

SECTION A-A

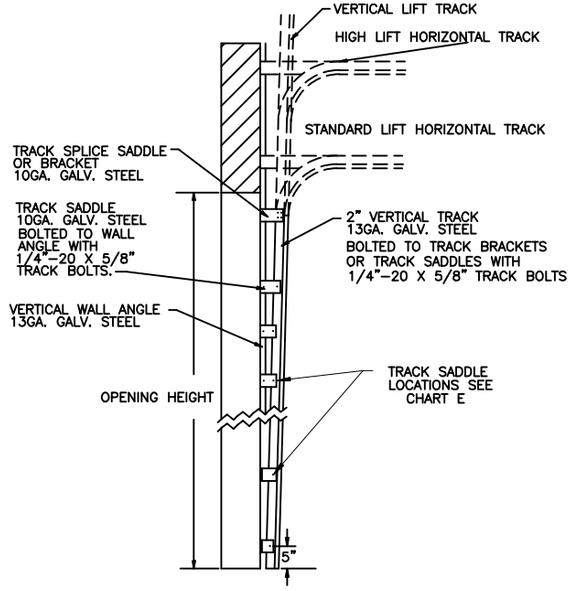

CHART E		
Door Ht.	No. of Track Saddles	TRACK SADDLE LOCATIONS
8'-0"	4	5", 29", 53", 75"
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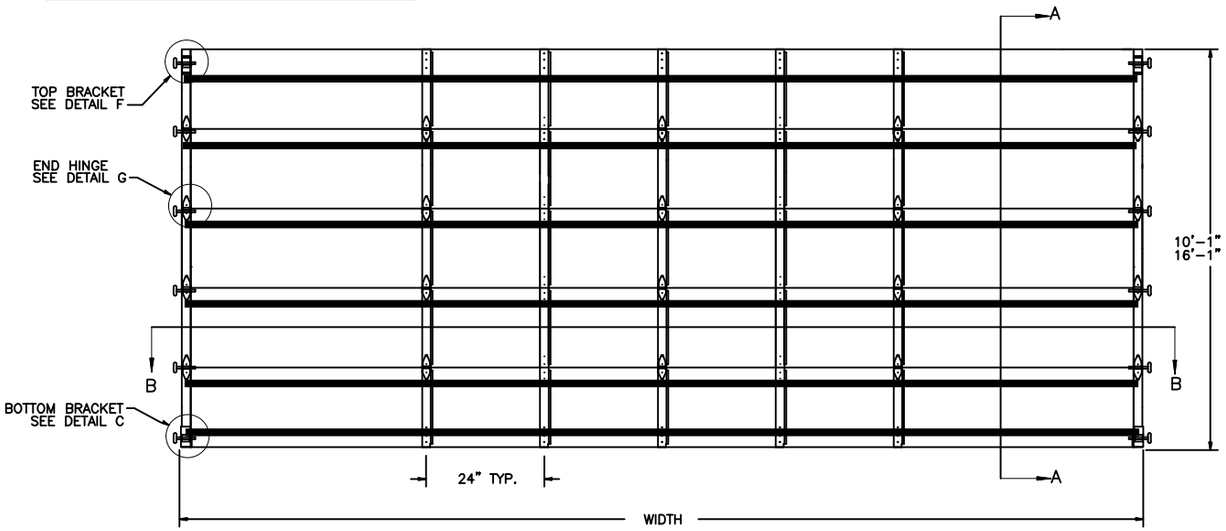
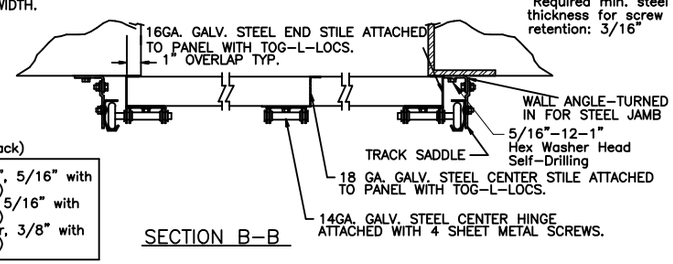
14'-0"	7	5", 29", 53", 75", 101", 125", 149"
16'-0"	8	5", 29", 53", 75", 101", 125", 149", 173"

NOTE: Anchor bolts are located 3/4" above centerline of track saddle. One anchor bolt per track saddle
"Walls and jambs must be designed (by others) to withstand the loads imposed by the door onto the building."



NOTE: OPENING WIDTH IS 2" LESS THAN DOOR WIDTH.



SECTION B-B

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Powers Fasteners "Lok/Bolt" anchor, 5/16" with 1.75" embed min. (2000psi concrete)
Power Fasteners "Power Stud" anchor, 3/8" with 1.63" embed min. (2000psi concrete)

DOOR SIZE		NO. OF CEN. STILES	STILE SPACING	P.S.F. TABLE DESIGN PRESSURE	
WIDTH	HEIGHT			POSITIVE	NEGATIVE
14'-2"	16'-1"	5	24"	+22.4	-24.9
16'-2"				+19.6	-21.8

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE TABLE ABOVE VIA TESTING TO ANSI/DASMA 108-05/12/17.

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PRESSURES TABULATED ARE BASED ON TESTS OF MODEL 240 (24ga. Panel) MODEL 200 (20ga. Panel) WILL WITHSTAND EQUAL OR HIGHER PRESSURES

John E Scates PE
2560 King Arthur Blvd #124-54
Lewisville, TX 75056
TX-PE 56308, F-2203
FL-PE-51737

Professional Engineer's seal provided only for verification of windload construction details.

REV.	DATE	CHANGE
D	6/03/20	PE ADDRESS
B	12/15/11	NEW LOGO/ ENG. STAMP
A	07/09/09	

STATE OF TEXAS
JOHN E. SCATES
56308
LICENSED
PROFESSIONAL ENGINEER

WINDSOR DOOR
5800 SCOTT HAMILTON DR.
LITTLE ROCK, AR 72209
(501) 562-1872

MODELS: MODEL 240(24GA.)/200(20GA.) SINGLE STRUTS

PART NAME: 16'-2" x 16'-1" DESIGN LOAD +19.6 -21.8

TOLERANCE: FRAC.± 1/64" DEC. ± .015 ANG. ± 1°

NEXT LEVEL | DATE: 07-09-09 | DWG. NO. 99-B-092

SCALE NONE | PLOT SCALE | DRN. BY BNB | SHT 2 OF 2