Strut Locations	
7'	8'
3"	3"
18.5"	18.5"
39.5"	36.5"
44.5"	42.5"
60.5"	54.5"
83"	72.5"
	95"

Note: Additional door heights are available. Consult manufacturer for details.

Track Brackets	
7'	8'
4	5

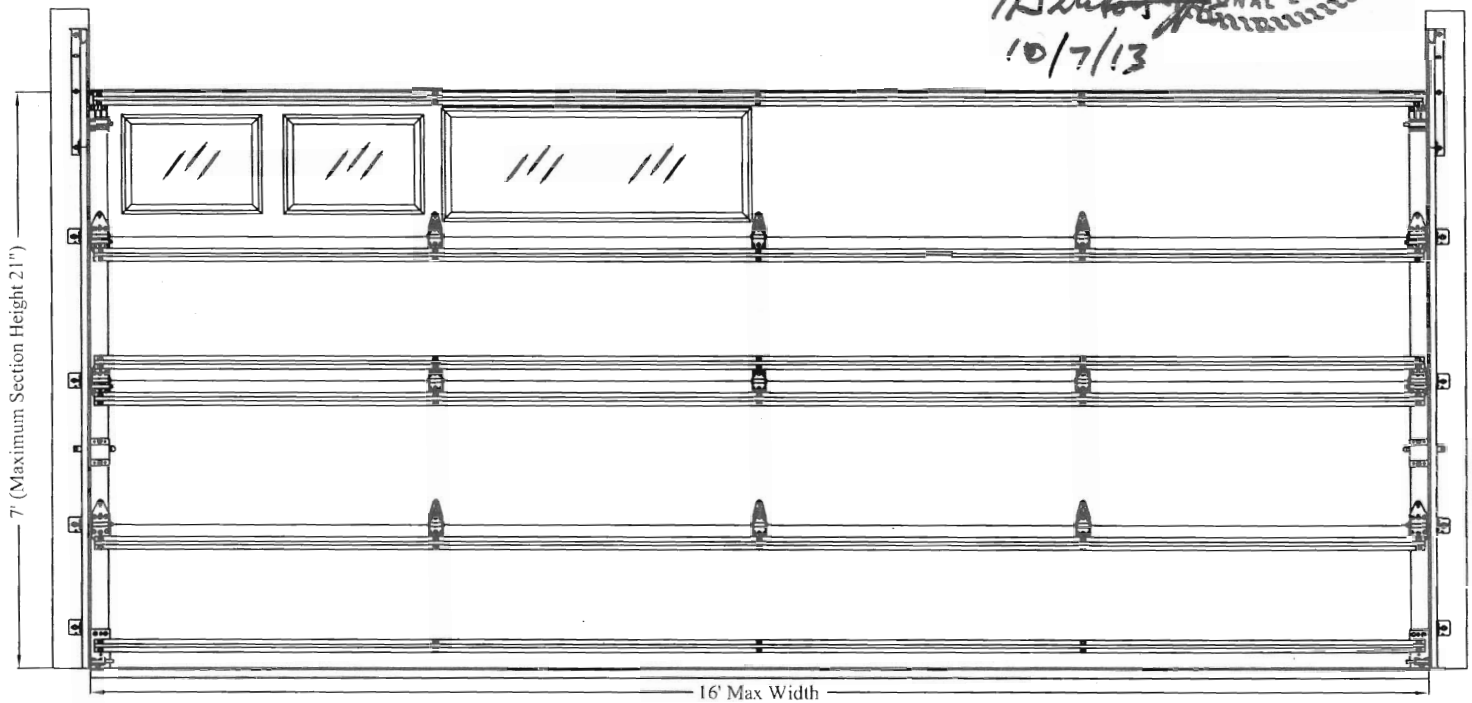
Note: Detail views are shown on sheet 2.

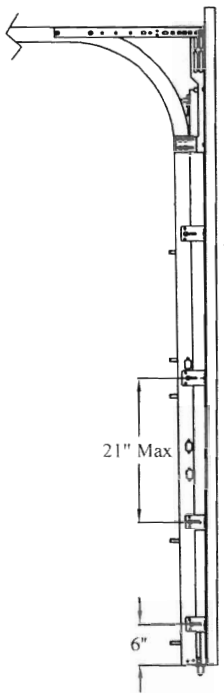
REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	Added model 3640	10/7/13	JMS

STATE OF TEXAS
JOSEPH H. DIXON, JR.
18627
LICENSED
PROFESSIONAL ENGINEER

10/7/13





Design pressures meet or exceed those required by ASCE 7-02 for the following conditions:

- **V = 120 MPH exposure category B and mean roof height of 30' or less**
- **V = 100 MPH exposure category C and mean roof height of 30' or less**

The use of the wind speeds shown is limited to those cases meeting all of the following additional conditions:

1. **Building category II**
2. **2 ft or less of the door width in the end zone of the building (zone 5)**
3. **Importance factor = 1.0**
4. **Topographic factor = 1.0**
5. **Directional factor = .85**
6. **Doors with glazed sections are not qualified for use in windborne debris regions**

Description: 3600 series 2" expanded polystyrene insulated sandwich doors (.015 front/.014 back skin)

Design Pressure: +22.0/-24.5
Test Pressure +33.0/-36.8

Tested per the applicable requirements of ANSI/DASMA 108-2002

DRAWN BY:
John M. Stroede 10/7/13

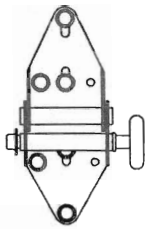
APPROVED BY:
John M. Stroede 10/7/13

doorLink Manufacturing, Inc.
1501 Taney St.
North Kansas City, MO 64116

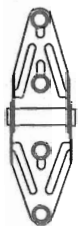
TITLE
Windload Rated Residential Garage Door Models 3610, 3630, 3640, 3650, 3690

DRAWING NUMBER			REVISION
RS16A-120			A
SIZE A	SCALE N/A		SHEET 1 of 2

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	Added model 3640	10/7/13	JMS

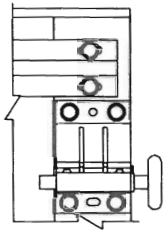


End Hinge
14 gauge galvanized steel end hinge attached with four 1/4" x 3/4" screws and two 1/4" x 5/8" self tapping screws

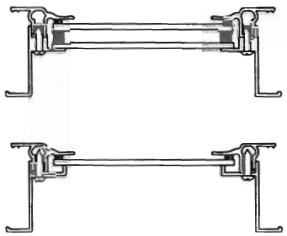


Center Hinge
18 gauge galvanized steel narrow or wide body hinge attached with four 1/4" x 3/4" screws

Roller
Minimum 7 ball steel roller or 10 ball nylon roller with 4" stem and push nuts on all hinge rollers

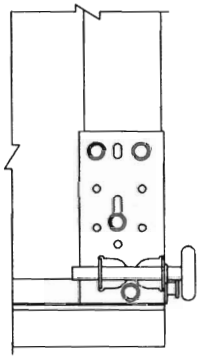


Top Fixture
16 gauge galvanized steel top fixture with two bolt roller carrier and attached to door with four 1/4" x 5/8" self-tapping screws (push nut not required on roller)



Windows (optional)
Plastic screw together window frame for either 1/2" insulated glass or DSB glass with a maximum opening of 43" x 15" or plexiglass with a maximum opening of 18" x 12 1/2"

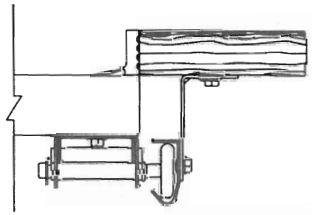
Struts
3" 20 gauge 50 ksi hat strut attached with two 1/4" x 5/8" self-tapping screws per stile location



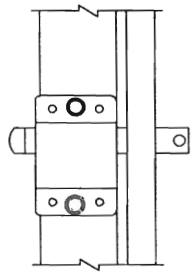
End Cap
20 gauge galvanized steel end cap attached with one sheet metal screw

Bottom Bracket
13 gauge galvanized steel bottom bracket attached with four 1/4" x 5/8" self-tapping screws (push nut not required on roller)

Bottom Weatherstrip
Aluminum extrusion with vinyl insert

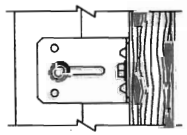


Wood Jambs
Vertical jambs are to be 2x6 #2 Spruce-Pine-Fir (S-P-F) or better depeding on regional availability
Note: Preparation of jambs by others, and supporting structural elements must be capable of withstanding the rated windload

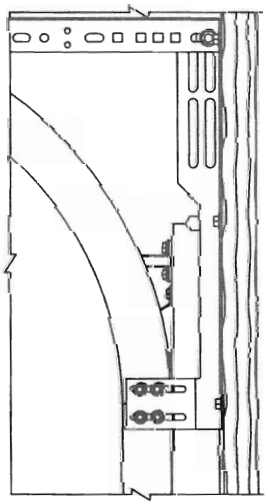


Locking Mechanism
Doors must have either an electronic operator or locking device installed (inside slide lock shown, other lock types permitted)
Note: Extension spring doors require locking point on each side if no electronic operator is installed

Stop Molding
Stop molding is required, or door must overlap jambs by 1/4"



Track Brackets
2 1/4" wide x 12 gauge galvanized steel track bracket attached to wood jamb with one 5/16" x 1 5/8" wood lag screw and to vertical track with one 1/4" x 3/4" track bolt and nut
Note: Center distance between track brackets not to exceed 21"

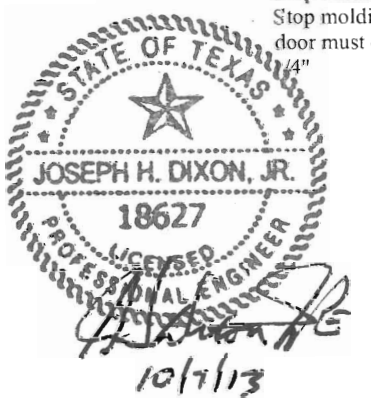


Flag Bracket
12 gauge galvanized steel flag bracket attached to wood jamb with three 5/16" x 1 5/8" wood lag screws and to the horizontal and vertical tracks with two 1/4" x 3/4" track bolts and nuts each

Horizontal Track and Angle
Horizontal track and angle to suit with suitable back hang

Vertical Track
2" galvanized steel track with a minimum thickness of .056"

Strut Spacer
1/8" spacer required between strut and top section only when 43" x 15" windows are used



doorLink Manufacturing, Inc.
1501 Taney St.
North Kansas City, MO 64116

TITLE
Windload Rated Residential Garage Door Models 3610, 3630, 3640, 3650, 3690

DRAWN BY: John M. Stroede 10/7/13	DRAWING NUMBER RS16A-120		REVISION A
APPROVED BY: John M. Stroede 10/7/13	SIZE A	SCALE N/A	SHEET 2 of 2

Joseph H. Dixon, Jr. P.E.
FL 7768, MO 6185, TX 18627
10/07/13

Strut and Section Locations

RS16A-120 16' 3600 Series Windload Door +22.0/-24.5 psf

Door Height	Section Heights	Strut Locations	Track Brackets
6 - 0	18 18 18 18	3 15.5 33.5 38.5 51.5 71	4
6 - 3	21 18 18 18	3 18.5 36.5 41.5 54.5 74	4
6 - 6	21 18 18 21	3 18.5 36.5 41.5 54.5 77	4
6 - 9	21 21 18 21	3 18.5 39.5 44.5 57.5 80	4
7 - 0	21 21 21 21	3 18.5 39.5 44.5 60.5 83	4
7 - 6	18 18 18 18 18	3 15.5 33.5 38.5 51.5 69.5 89	5
7 - 9	21 18 18 18 18	3 18.5 36.5 42.5 54.5 72.5 92	5
8 - 0	21 18 18 18 21	3 18.5 36.5 42.5 54.5 72.5 95	5
8 - 3	21 21 18 18 21	3 18.5 39.5 44.5 57.5 62.5 75.5 98	5
8 - 6	21 21 18 21 21	3 18.5 39.5 44.5 57.5 62.5 78.5 101	5
8 - 9	21 21 21 21 21	3 18.5 39.5 44.5 60.5 65.5 81.5 104	6
9 - 0	18 18 18 18 18 18	3 15.5 33.5 51.5 56.5 69.5 87.5 107	6
9 - 3	21 18 18 18 18 18	3 18.5 36.5 54.5 59.5 72.5 90.5 110	6
9 - 6	21 21 18 18 18 18	3 18.5 39.5 44.5 57.5 75.5 80.5 93.5 113	6
9 - 9	21 21 21 18 18 18	3 18.5 39.5 44.5 60.5 78.5 83.5 96.5 116	6
10 - 0	21 21 21 21 18 18	3 18.5 39.5 44.5 60.5 81.5 86.5 99.5 119	6
10 - 3	21 21 21 21 21 18	3 18.5 39.5 44.5 60.5 81.5 86.5 102.5 122	6
10 - 6	21 21 21 21 21 21	3 18.5 39.5 44.5 60.5 81.5 86.5 102.5 125	6
10 - 9	21 18 18 18 18 18 18	3 18.5 36.5 41.5 54.5 72.5 90.5 95.5 108.5 128	7
11 - 0	21 21 18 18 18 18 18	3 18.5 39.5 44.5 57.5 75.5 93.5 98.5 111.5 131	7
11 - 3	21 21 21 18 18 18 18	3 18.5 39.5 44.5 60.5 78.5 96.5 101.5 114.5 134	7
11 - 6	21 21 21 21 18 18 18	3 18.5 39.5 44.5 60.5 81.5 99.5 104.5 117.5 137	7
11 - 9	21 21 21 21 21 18 18	3 18.5 39.5 44.5 60.5 65.5 81.5 102.5 107.5 120.5 140	7
12 - 0	21 21 21 21 21 21 18	3 18.5 39.5 44.5 60.5 65.5 81.5 102.5 107.5 123.5 143	7
12 - 3	21 21 21 21 21 21 21	3 18.5 39.5 44.5 60.5 65.5 81.5 102.5 107.5 123.5 146	7
12 - 6	21 21 18 18 18 18 18 18	3 18.5 39.5 57.5 62.5 75.5 93.5 111.5 116.5 129.5 149	8
12 - 9	21 21 21 18 18 18 18 18	3 18.5 39.5 60.5 65.5 78.5 96.5 114.5 119.5 132.5 152	8
13 - 0	21 21 21 21 18 18 18 18	3 18.5 39.5 44.5 60.5 81.5 86.5 99.5 117.5 122.5 135.5 155	8
13 - 3	21 21 21 21 21 18 18 18	3 18.5 39.5 44.5 60.5 81.5 86.5 102.5 120.5 125.5 138.5 158	8
13 - 6	21 21 21 21 21 21 18 18	3 18.5 39.5 44.5 60.5 81.5 86.5 102.5 123.5 128.5 141.5 161	8
13 - 9	21 21 21 21 21 21 21 18	3 18.5 39.5 44.5 60.5 81.5 86.5 102.5 123.5 128.5 144.5 164	8
14 - 0	21 21 21 21 21 21 21 21	3 18.5 39.5 44.5 60.5 81.5 86.5 102.5 123.5 128.5 144.5 167	8

Notes: (1) Sequential sections left to right, in inches from bottom of door.
(2) Individual strut locations in inches from bottom of door.
(3) Section stacking order may be changed to accommodate various installation factors. Strut locations shall be adjusted accordingly.

10/7/13