

NOTE: See back side of cover for latest changes to this manual.

BEHLEN MFG. CO. COLUMBUS, NE 68601

TECHNICAL INFORMATION 55063

NOTE: If pink sheets are included in this manual, refer to them for latest revisions.

LATEST CH	IANGES	BY: SR	DATE: 4/22/2020
PAGE	CHANGE		
18	Added additional inside trim to the back side of the sidewall liner panel to ceiling liner.		

FRAME BUILDING LINER TABLE OF CONTENTS

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The erection information presented herein is provided as a supplement to the erection drawings prepared for your specific job. The information, illustrations and procedures in this guide are typical for most Behlen buildings. Variations may occur because of special building requirements. Always refer to the erection drawings supplied with each job which will govern specific part and assembly arrangements and applicable illustration details.

Because Behlen products are constantly being improved, the information contained herein is subject to change without notice.

The following fastener schedule is to be used with this erection guide and will correspond to the fastener schedule in the erection drawings supplied with each job.

FASTENER SCHEDULE				
Loc.	Part No.	Description		
1		As Noted On Rigid-Frame Elevation		
2	3228100	Screw ¼ x 3/4 FL-TP SD WW		
3	3228084	Screw 12 x 1 HWH SD NW		
4	3228101	Screw 12 x 1-1/4 FL-TP SD WW		
(5)	3228105	Screw ¼ x 1-1/4 LG-LF SD WW		
6	3228099	Screw 8 x 1/2 HWH SD NW		
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8	3188333	Bolt ½ x 2 HVHX A325 GALV and Nut (1328191)		
9	1328199	Bolt 5/8 x 2-1/4 HVHX A325T GALV and Nut (1328195)		
(10)	1328187	Bolt ¾ x 1-1/2 HVHX A325T GALV and Nut (1328192)		
11	1328190	Bolt ¾ x 2-1/2 HVHX A325T GALV and Nut (1328192)		
12	3228100	Screw ¼ x 3/4 FL-TP SD WW for ADP-1 Roof		
	3228103	Screw ¼ x 3/4 LG-LF SD WW for SSR		
13	3228101	Screw 12 x 1-1/4 FL-TP SD WW for ADP-1 Roof		
	3228105	Screw ¼ x 1-1/4 LG-LF SD WW for SSR		
14)	3228087	Screw 12 x 1-1/4 HWH SD #5PT NW		
(15)	1328193	Bolt ½ x 1-1/2 HVHX A325T GALV and Nut (1328191)		
(16)	3208170	Bolt ½ x 1 FLT RD HD A307 PLTD and Nut (2688007)		
17	3228102	Screw 12 x 2 FL-TP SD WW		

Abbreviations

- HD = Head
- SD = Self-Drilling
- ST = Self-Tapping
- SS = Stainless Steel
- PT = Point
- RD = Round
- WW = With Washer
- NW = No Washer
- FLT = Flat
- HVHX = Heavy Hex
- GALV = Galvanized
- PLTD = Plated
- HWH = Hex Washer Head
- FL-TP = Flat Top
- LG-LF = Long Life

ERECTION INFORMATION

Liner panel sidelaps shall be stitched together with a 2 fastener at 24" centers.

HANDLING LONG TRIM COMPONENTS

When removing long trims from the shipping crate and during installation, care should be taken by construction workers to avoid damage caused by buckling.



STOP PLEASE READ

RECOMMENDED INSTALLATION FOR SELF-DRILLING TAPPING FASTENERS TO INSURE FASTENER PERFORMANCE.

* Apply with 1800 RPM electric screw gun.

* Drive socket size must fit appropriately to fastener head.

Socket Types:

1. **Super Star Socket** - Used for long-life non-magnetic screw heads. Can be used with carbon screw to avoid drill chips collecting on magnetic sockets.

Inland Part No. - 1/4" (3518045) 5/16" (3518046) 3/8" (3518047)

2. **Non-magnetic** - Used by erectors on roofing applications, mainly to avoid drill chips collecting in sockets.

Special Order - 1/4" 5/16" 3/8"

Drilling/Driving fastener must be held perpendicular to the fastening surface.

Self-Drilling fasteners should not be forced in. Allow the drill point to do the work.

- CAUTION -

Over-torquing may result in fastener separation/failure (head popping off). Care should be exercised during installation. Torque of 30-60 in. lbs. Based on fastener size and application.

FOR APPLICATION SUPPORT, CONTACT: ATLAS BOLT & SCREW TECHNICAL SERVICES (800) 321-6977 Inland Buildings (800) 438-1606

*1800 RPM screw guns and sockets are available at your local tool house or from: Dynamic Fasteners 1-800-821-5448

HANDLING LONG TRIM COMPONENTS

When removing long trims from the shipping crate and during installation, care should be taken by construction workers to avoid damage caused by buckling.

PROTECTIVE FILM REMOVAL

The trim components received with this building have a protective film on the colored surface that must be removed prior to installation.

Prolonged exposure (more than 3 weeks) to rain and/or sunlight will adversely effect the protective film making removal difficult.

When film is being removed from trim having a hem along its edge, the film should be peeled off along the entire end. This includes the 3/8" hemmed area on the back side. Pull the entire film strip at a constant rate. Do NOT try to rip the film off as it will tend to tear at the hemmed edge and corners leaving a strip that will have to be removed separately.



RELATIONSHIP OF LINER PANEL AND EXTERIOR PANEL RIBS

Liner panels for a complete sidewall or endwall surface have been detailed with a process similar to the exterior wall panels. The location of the liner panels is based on the length of the exterior wall surface and whether there is a "Start Dimension" at each end of the wall surface. This detailing process will keep the liner panel ribs and the exterior panel ribs in line.

During the erection process, the sidewall liner panel locations may start or stop at J-trims as desired but on the endwall surface, the liner panel length may be insufficient if moved to some other location.



LINER AT BASE



LINER AT GIRT



LINER AT EAVE STRUT



LINER AT RAKE



9/21/05

LINER AT COLUMNS – BY-PASS GIRTS



LINER AT CORNER – BY-PASS SIDEWALL/ENDWALL GIRTS



LINER AT CORNER – BY-PASS SIDEWALL/ENDWALL GIRTS



LINER AT COLUMN – 1" PROJECTION – FLUSH GIRTS



12-17-03

LINER AT COLUMNS – 0" PROJECTION – FLUSH GIRTS



14

12-17-03

LINER AT CORNER – FLUSH SIDEWALL/ENDWALL GIRTS

1 INCH GIRT PROJECTION



LINER AT CORNER – FLUSH SIDEWALL/ENDWALL GIRTS

0 INCH GIRT PROJECTION



LINER AT CORNER – FLUSH SIDEWALL/ENDWALL GIRTS

<u>0 INCH GIRT PROJECTION (1 INCH GIRT PROJECTION IS SIMILAR)</u>



LINER AT CEILING



LINER AT CEILING



LINER AT CEILING





w/ADP-2 LINER PANEL

LINER AT PREASSEMBLED WINDOW



LINER AT KNOCK-DOWN DOOR



7/21/06

LINER AT PREASSEMBLED DOOR



LINER AT WALK DOOR ROUGH FRAME



LINER AT FRAMED OPENING



LINER AT FRAMED OPENING



LINER AT FRAMED OPENING WITH SILL



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LINER AT FRAMED OPENING WITH SILL

