



Secondary Part	Part	Thick.	Depth	Lap	Detail
E13	11E2911411BDB30	0.1130	11 1/2"		RS12PF, RS12PE, RS12PJ
E14	11E2911411DDB30	0.1130	11 1/2"		RS12PE, RS12PJ
E15	11E2411411BDB30	0.1130	11 1/2"		RS12PF, RS12PE, RS12PJ
E16	10H2911411BDB30	0.1130	10"		RS12PF, BR09W2, RS12PE, RS12PJ
E18	10H2411411BDB30	0.1130	10"		RS12PF, BR09W2, RS12PE, RS12PJ
E19	10H2911411DDB30	0.1130	10"		BR09W2, RS12PE, RS12PJ
P1	10Z3311412B5B3	0.0980	10"	3'-10 1/2"	RS02T1, RS01U1
P12	10Z2711417B4B3	0.0600	10"	2'-10 1/2"	RS02T1, RS01U1
P18	10Z371141555B2	0.0730	10"	3'-10 1/2"	RS01U1
P19	10Z371141355B2	0.0880	10"	3'-10 1/2"	RS01U1
P2	10Z3311413B5B3	0.0880	10"	3'-10 1/2"	RS02T1, RS01U1
P20	10Z371141755B2	0.0600	10"	3'-10 1/2"	RS01U1
P3	10Z3311414B5B3	0.0790	10"	3'-10 1/2"	RS02T1, RS01U1
P32	10Z3311415B5B3	0.0730	10"	3'-10 1/2"	RS02T1, RS01U1
P4	10Z3311416B5B3	0.0680	10"	3'-10 1/2"	RS02T1, RS01U1
P7	10Z371141455B2	0.0790	10"	3'-10 1/2"	RS01U1
P8	10Z371141655B2	0.0680	10"	3'-10 1/2"	RS01U1
P9	10Z2711416B4B3	0.0680	10"	2'-10 1/2"	RS02T1, RS01U1

- SPECIAL NOTES:**
- Roof mounted units RTU1 & RTU2 max. weight 1500lbs (incl. 200lb curb)  
Roof mounted units RTU3 & RTU4 max. weight 1000lbs (incl. 150lb curb)
  - Purlin design based upon supporting the RTU across three purlins minimum.
  - Locate roof curb units as following:  
parallel to slope - center curb on (1) 2' MR24 panel, perpendicular to slope w/supply return ducting down slope - locate low side face of curb 6" upslope of roof purlin.  
perpendicular to slope w/supply return ducting up slope - locate high side face of curb 15" downslope of roof purlin.  
(see planograph P-081153 for specific curb installation instructions).
  - Curb placement, per dimensions provided, is dependent upon placement of roof panels exactly as shown on Roof Panel Drawing and secondary location per Roof Secondary Plan.
  - Please refer to planograph B-081465 for suggested zee purlin hanger details.

**Part Mark Key**

1	001SGA09116
2	001SGA19114
3	001SGA14114
4	EA1021
5	002SGA09116
6	002SGA19114
7	002SGA14114
8	001SGA00080

**Secondary Bracing Schedule**

Id	Qty	Mark No	Spacing
1	24	PBA0201	1'-9 1/2"
2	165	CPBB050108 (Typ.)	5'-0"
3	11	CPBB040108	4'-0"
4	24	PBA0310	3'-6 3/16"

See SED:  
EN60C1, FV580, BR09K5, BR09JG, BR09RY  
BR09RZ, BR09JR, BR09JH, BR09K2



06/09/2020

ROOF SECONDARY PLAN

2 8 1/2"  
1 6"  
Dimension Key

Order Plans @ WWW.ONLINE.COM

Shape Name = Varnell, GA (VNL), Shape = Portal

PERMIT SET- For Building Dept. Approval

<p>1. UNLESS NOTED, USE 1/2 X 1 1/2 A325T BOLT (49090) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS.</p> <p>2. FLANGE BRACES ARE AN INTEGRAL PART OF THE STABILITY OF THE STRUCTURAL SYSTEM AND MUST BE PROPERLY INSTALLED PRIOR TO ERECTION OF WALL AND ROOF SHEETS.</p> <p>3. REMOVAL OR ALTERATION OF ANY COMPONENT IS PROHIBITED.</p>	<p>THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.</p>	<p>THIS DRAWING, INCLUDING THE INFORMATION HEREON, REMAINS THE PROPERTY OF BUTLER MFG. IT IS PROVIDED SOLELY FOR ERECTING THE BUILDING DESCRIBED IN THE APPLICABLE PURCHASE ORDER AND MAY BE REPRODUCED ONLY FOR THAT PURPOSE. IT SHALL NOT BE MODIFIED, REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN APPROVAL OF BUTLER MFG.</p> <p>THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING. DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.</p>	<p><b>B</b> BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102</p>		<p><b>ROOF SECONDARY PLAN</b></p>																
			<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV	DATE	BY	DESCRIPTION													<p>BUILDER: O'Reilly Automotive Stores, Inc.</p>	<p>CUSTOMER: O'Reilly Automotive Stores, Inc.</p>
REV	DATE	BY	DESCRIPTION																		
<p>DRAWING SCALE: Scale 1:160.0</p>			<p>BUILDERS POW: VNL</p>		<p>Butler Manufacturing VPC VERSION: 2020.2</p>	<p>JOB # 20-010380-01 DATE: 06/05/2020 DRAWN BY: JL / SW PAGE: 12</p>															