
	<p><b>DESIGN DOCUMENT</b></p> <p><b>CHANGE NOTICE</b></p>	<p><b>INITIATING DOC.</b>                  TYPE: N/A                  NO. N/A</p> <hr/> <p>DCP/CCP NO 013404                  REV. 9</p>				
<p><b>ASSIGNED DISCIPLINE:</b>                  Mechanical</p>	<p><b>DOCUMENT NUMBER</b>                  M-663-00017A</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;"><b>REV.</b> W05</td> <td style="width:50%; text-align: center;"><b>SEQ. NO.</b> 02</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>PAGE 1 OF 4</b></td> </tr> </table>	<b>REV.</b> W05	<b>SEQ. NO.</b> 02	<b>PAGE 1 OF 4</b>	
<b>REV.</b> W05	<b>SEQ. NO.</b> 02					
<b>PAGE 1 OF 4</b>						
<p><b>OTHER DOCUMENTS AFFECTED BY THIS CHANGE.</b></p> <p>None</p>						
<p><b>OTHER DDCN'S REQUIRED TO IMPLEMENT CHANGE:</b></p> <p>None</p>						
<p><b>REASON FOR CHANGE:</b></p> <p>2" pipe through penetration P135S0227 was removed by change package 013404.</p>						
<p><small>DigsigOrg 4.5 0.5</small></p> <p><b>PREPARED BY:</b> <u>Jeff Suter</u> <span style="float: right;">DATE: 01/25/2017</span></p> <p style="text-align: center;"><small>Verifier Qualification will be to the same requirement as the parent document</small></p> <p style="text-align: center;"><small>Jason Pankaskie</small></p> <p><b>VERIFIED BY:</b> <u>Jason Pankaskie</u> <span style="float: right;">DATE: 1/26/2017</span></p> <p style="text-align: center;"><small>DigsigApp 4.5 0.5</small></p> <p><b>APPROVED BY:</b> <u>Kay L Smith</u> <span style="float: right;">DATE: 01/26/2017</span></p>						
<p><b>DC RELEASE</b> <u>Kay L. Smith</u> <span style="float: right;">Kay L Smith Released by Document Services. Release Date: 2017.01.30 08:45:16 -06'00'</span></p>						
<p><b>DESCRIPTION OF CHANGE:</b></p> <p>Attachment B3 Page 6 of 8 – Delete “(2 penetrants)” per attached markup.</p> <p>Appendix B3 Pages B3-29 and B3-30 – Replace pages in entirety with attached markup . Changes are as follows:</p> <p>Page B3-29</p> <p>Items 3 – Deleted (1)2”P                  Item 11 – Changed gap between pen to: N/A                  Sketch – Revised to reflect single pipe penetrant</p> <p>Page B3-30</p> <p>Side 1 Photo – New as built photo                  Side 2 Phot0 – New as built photo</p>						

Penetration Number	Communicating Fire Areas		Typical Detail	Calculated Service Temp (°F)	Sealant Condition Actual (Acc./Rej.)	Comments/Disposition:
	Side 1	Side 2				
P133S0799	A-25	A-1	RB-1	350	Acc <sup>2</sup>	See 5.2 for temperature limitation acceptability. Insulation transitions through the seal protecting the Radflex from system temperatures (limitation of 206°F).
P133S0810	A-25	A-1	RB-5A	400	Acc <sup>2</sup>	See 5.2 for temperature limitation acceptability.
P134S0860	A-24	A-1	RB-1	400	Acc <sup>2</sup>	See 5.2 for temperature limitation acceptability. Insulation transitions through the seal protecting the Radflex from system temperatures (limitation of 206°F).
P135S0227 (2 penetrants)	A-15	A-33	FB-1	575	Acc <sup>1</sup>	See 5.2 for temperature limitation acceptability
P145S0952	A-23	A-15	FB-1	575	Acc <sup>1&amp;2</sup>	See 5.2 for temperature limitation acceptability Refer to Attachment B13 for as left configuration following field action necessary to address PIR 2005-2384.
P145S0954	A-23	A-15	FB-1	575	Acc <sup>1&amp;2</sup>	See 5.2 for temperature limitation acceptability Refer to Attachment B13 for as left configuration following field action necessary to address PIR 2005-2384.
P145W2468	A-23	T-2	FB-1	600	Acc <sup>1&amp;2</sup>	See 5.2 for temperature limitation acceptability
P145W2469	A-23	T-2	FB-1	600	Acc <sup>1&amp;2</sup>	See 5.2 for temperature limitation acceptability
P145W2470	A-23	T-2	FB-1	600	Acc <sup>1&amp;2</sup>	See 5.2 for temperature limitation acceptability
P145W2471	A-23	T-2	FB-1	600	Acc <sup>1&amp;2</sup>	See 5.2 for temperature limitation acceptability

**Table Notes:**

1. Temperature limitations for this penetration seal applies only to the boot and silicone caulk adhesive. Temperature limitations do not apply to the Ceramic Fiber sealant material.
2. Sealant condition could not be confirmed due to boot installation preventing visual inspections. Although, topside boots are not required for RB-1 detail, topside boots have been installed in many instances. FB-1 detail boot condition was acceptable with no evidence of degradation. In some cases topside seal configuration was also enclosed within insulation that prevent sealant inspection, but was accessible on the bottom side to allow visual evaluation of boot. In these cases the boot did not exhibit degradation.

**Penetration Seal Data**

Appendix: B3

**Penetration #:** P135S0227

**Penetration Type:** FB-1

**Fire Area (Side 1):** A-15

**Fire Area (Side 2):** A-33

**Loc./Elev.:** 2000'-0"

**M-0X Dwg:** M-1X1151

- |                                  |                    |                                  |        |
|----------------------------------|--------------------|----------------------------------|--------|
| 1. Barrier Thickness:            | 16"                | 10. Annular Gap (smallest):      | 1 3/4" |
| 2. Opening Size:                 | 10"D               | 11. Gap between pen:             | N/A    |
| 3. Penetrants:                   | (1)1"P             | 12. Barrier Type:                | A F W  |
| 4. Sealant Type:                 | Ceramic Fiber      | 13. Opening Sleeved or Concrete: | Steel  |
| 5. Damming Side1:                | Boot               | 14. Pipe Insulated:              | No     |
| 6. Damming Side 2:               | Boot               |                                  |        |
| 7. Damming Continuity (Acc/Rej): | N/A                |                                  |        |
| 8. Boot Condition (Acc/Rej):     | Accept             |                                  |        |
| 9. Sealant Depth:                | Assumed Per Detail |                                  |        |

Wayne Aregood

Prepared By:

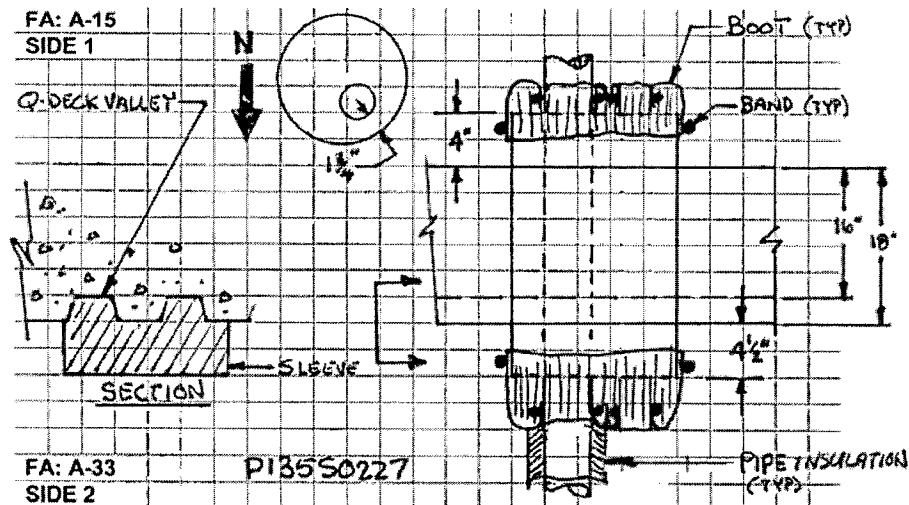
Jeff Suter

Reviewed By:

**Walkdown Comments:**

Underside of slab has Q-Decking, effective barrier thickness is measured from corrugated valley.

**Sketch:**



**Penetration Seal Data**

Appendix: B3

**Photos: P135S0227**

Fire Area A-15 (Side 1)

Fire Area A-15 (Side 1)



Fire Area A-33 (Side 2)

Fire Area A-33 (Side 2)

