

NRR-DMPSPEm Resource

From: Distel, David J:(GenCo-Nuc) <David.Distel@exeloncorp.com>
Sent: Monday, January 08, 2018 9:07 AM
To: Gibson, Lauren
Cc: Wrobel, George:(GenCo-Nuc); Joe Bellini; Lanka, Bradley Franklin F:(GenCo-Nuc)
Subject: [External_Sender] RE: Ginna FE Audit Info Needs
Attachments: BSD26 REV 0.pdf

Lauren – responses provided below:

1. Table 7-1: BSD/29F Presray barrier is 3.3 ft. high, flood is 2.7 ft. high. APM is 0.6 ft. BSD/26, 27, 28 Presray barrier is 2.0 ft. high, flood is 1.4 ft., 1.6 ft., and 1.6 ft. high, APM is 0.6 ft., 0.4 ft., and 0.4 ft. Attached is a typical drawing of the Presray door seals.
2. Portable Presray barriers fit into channels at the doors. Sealing surfaces are flexible, and filled with air after installation for a tight fit (i.e., no leakage).
3. The second column is the door designation (or wall). The 3rd column is the flood height. The fifth column is the height of protection (height of Presray door seal, qualification of door or wall). APM is the Available Physical Margin in feet.
4. The screen house is not credited to mitigate the flooding event.
5. The battery rooms and EDG rooms have doors with seals that are approved flood barriers. The Aquafence is provided for defense-in-depth and it is not necessary for the seals to cure to maintain key safety functions. The Aquafence installation procedure GMM-23-99-FLOODBARRIER provides detailed instructions regarding installation. It is accessed from procedure ER-SC.2, when a rainfall of more than 10 inches over a 24-hour period is forecasted in the next 72 hours. An estimate of the installation time is included in ESR-14-0226. The time is 32 hours, which is controlled by the 24 hour cure time of the silicone foam.

Please let me know if any additional information is needed.

Thanks.

Dave Distel

From: Gibson, Lauren [mailto:Lauren.Gibson@nrc.gov]
Sent: Thursday, December 21, 2017 4:10 PM
To: Distel, David J:(GenCo-Nuc)
Subject: [EXTERNAL] Ginna FE Audit Info Needs

Dave,

As I described on the phone today, I was not able to discern the information I need for the evaluation of the FE (ML17069A004) from the documents in the ePortal. I understand that Ginna is relying on the installation of temporary flood barriers. Here are my information needs:

- 1) It's not clear to me in all cases which barriers are going on which doors or structures, or how high the particular barriers are.
- 2) It appears from the audit documents that some barriers are around and in front of areas instead of directly on doors; is there expected leakage past the barriers? How much?
- 3) Also, it would be helpful to get a crosswalk for Table 7-1 and the Flooding Capacity vs. Demand for Ginna Structures calculation in the ePortal. (I was also not clear on the contents of the margin height/flood barrier column- margin between the flood height and the height of the barrier? What do the highlighted terms (ex, F.S. 1.9) refer to?)
- 4) I also need more clarification on the names of the structures. Is the screen house represented in Table 7-1?
- 5) Does Ginna have sufficient time to install the AquaFence temporary barriers? If not, then please provide more information on the water-resistant doors at the Battery and Diesel Generator rooms.

I will be out of the office until January 3rd. At that time, we can discuss how to respond to these info needs (documentation on the ePortal, an audit conversation, what may need to be docketed, etc. . .) and well as address any questions you may have.

Thank you, and Happy Holidays.

Lauren

Lauren K. Gibson
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Beyond-Design-Basis Management Branch
Division of Licensing Projects
Office of Nuclear Reactor Regulation
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Hearing Identifier: NRR_DMPS
Email Number: 84

Mail Envelope Properties (BY2PR05MB600643488528CC91BD67AC6FD130)

Subject: [External_Sender] RE: Ginna FE Audit Info Needs
Sent Date: 1/8/2018 9:07:25 AM
Received Date: 1/8/2018 9:10:28 AM
From: Distel, David J:(GenCo-Nuc)

Created By: David.Distel@exeloncorp.com

Recipients:

"Wrobel, George:(GenCo-Nuc)" <george.wrobel@exeloncorp.com>

Tracking Status: None

"Joe Bellini" <joe.bellini@aterrasolutions.com>

Tracking Status: None

"Lanka, Bradley Franklin F:(GenCo-Nuc)" <Bradley.Lanka@exeloncorp.com>

Tracking Status: None

"Gibson, Lauren" <Lauren.Gibson@nrc.gov>

Tracking Status: None

Post Office: BY2PR05MB600.namprd05.prod.outlook.com

Files	Size	Date & Time
MESSAGE	4397	1/8/2018 9:10:28 AM
BSD26 REV 0.pdf	521280	

Options

Priority: Standard

Return Notification: No

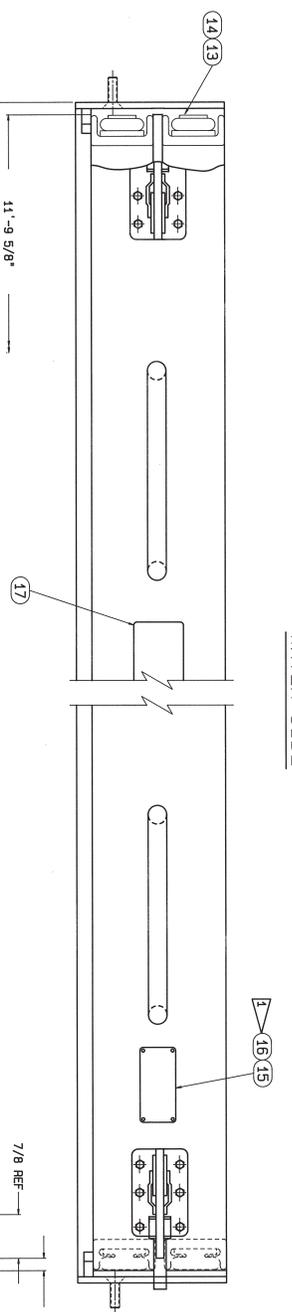
Reply Requested: No

Sensitivity: Normal

Expiration Date:

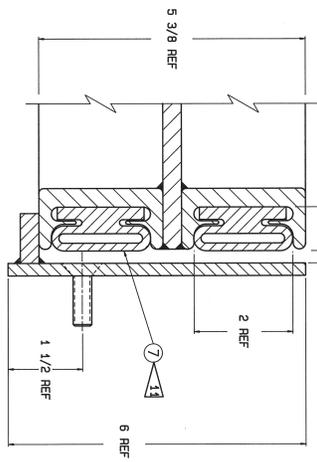
Recipients Received:

WATER SIDE



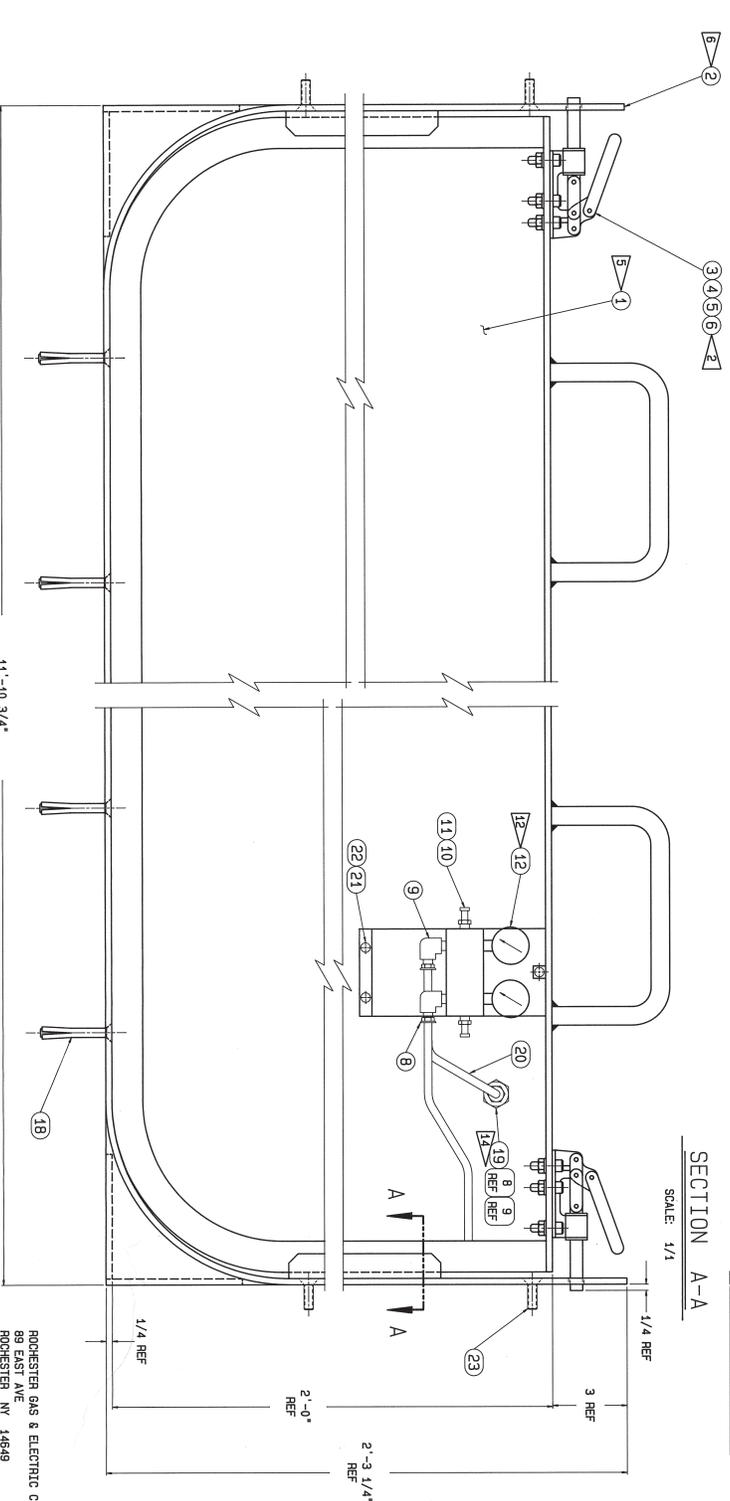
11'-9 5/8"
PANEL WIDTH
11'-10 5/8"
FRAME WIDTH

PR11641-1 ASSEMBLY



SECTION A-A

SCALE: 1/1



11'-10 3/4"
INTENDED OPENING

NOTE:

- 1 IMPRESSION STAMP: ASSEMBLY NO., DATE & SERIAL NO.
- 2 AT ASSEMBLY, MOUNT PANEL IN FRAME & POSITION TOGGLE CLAMP AS SHOWN & DRILL 11/32 DIA THRU.
- 3 APPROXIMATE WEIGHT OF PANEL: 260 LBS.
- 4 APPROXIMATE WEIGHT OF ASSEMBLY: 390 LBS.
- 5 PANEL TO BE FLAT WITHIN 1/8" OVER ENTIRE LENGTH.
- 6 FRAME TO BE STRAIGHT WITHIN 1/8" OVER ENTIRE LENGTH.
- 7 SEALING SURFACE MUST BE SMOOTH, UNINTERRUPTED BY STEPS GREATER THAN 0.05 & FREE OF CRACKS. FINISH LAY TO BE PARALLEL TO SEAL. FINISH TO BE 63 OR BETTER.
- 8 TOLERANCE MUST BE MAINTAINED AT INSTALLATION.
- 9 BRUSH-OFF BLAST CLEAN FRAME, PAINT ONE COAT KEM-KROMIK METAL PRIMER #630-1006 OR EQUIVALENT.
- 10 CLEAN PANEL PER SPEC PS118.
- 11 OPERATING PRESSURE: 25 TO 30 PSIG.
- 12 GREEN LINE GAUGES AT 25 TO 30 PSIG.
- 13 FOR INSTALLATION & OPERATION INSTRUCTIONS SEE PREBRY MANUAL PLF822.

U.S. PATENT NO'S 3,397,490 & 3,796,010

NO.	DESCRIPTION	QTY	UNIT
1	WASHER	0-60	1/2" 1" DP 1/8" N
2	SCHRADER VALVE CAP	1	
3	SCHRADER TANK VALVE	1	
4	IMPERIAL EASTMAN #116-B-02 STREET ELBOW	1	
5	CAJON #82-NR-53 CONNECTOR	1	
6	SEE SHEET 3 (PRESSURE-11641-1) PNEUM-SEAL	1	
7	SEE SHEET 3	1	
8	1/8" BUNA-N	1	
9	1/16" BUNA-N	1	
10	1/8" BUNA-N	1	
11	5/16" 4-BUNG-3A X 1 LB	1	
12	VALVER #95231 TOSSEL CLAMP	1	
13	SEE SHEET 2	1	
14	1/4" 20UNC X 1 1/4 LB	1	
15	FT HD SOC CAP SCR	1	
16	RETAINER PLATE	1	
17	PR11641	1	

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CONSTRUCTION LIMITED CONSTRUCTION: AS NOTED
PRELIMINARY NOT FOR CONSTRUCTION
DRAWING PURPOSES

DATE: 10/27/73
ENGR: R. J. B. / J. A. B.

THE PREBRY CORP.
P.F.B22 FLOOD
BARRIER ASSEMBLY
PR11641

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