

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

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Subject: [External_Sender] RE: Ginna FE Audit Info Needs
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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

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MESSAGE	4397	1/8/2018 9:10:28 AM
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Options

Priority: Standard

Return Notification: No

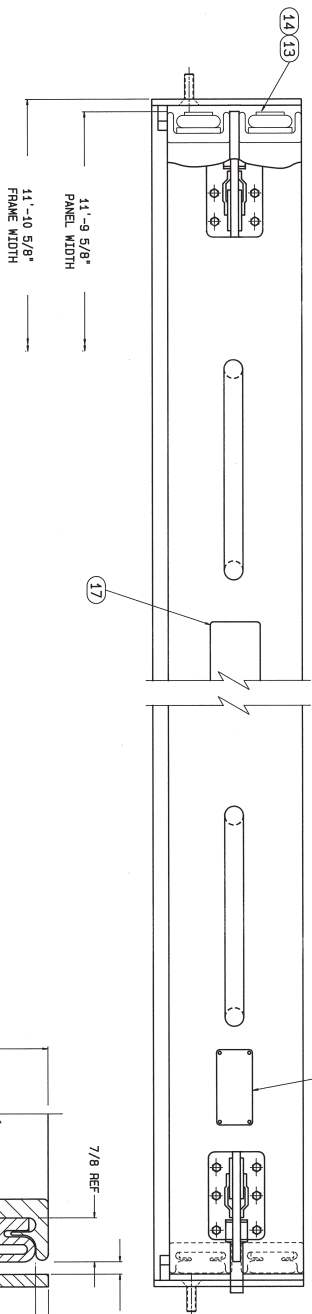
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Sensitivity: Normal

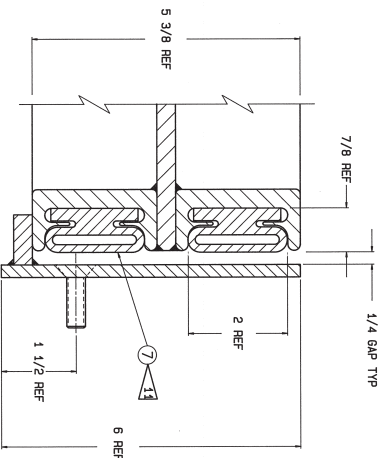
Expiration Date:

Recipients Received:

WATER SIDE

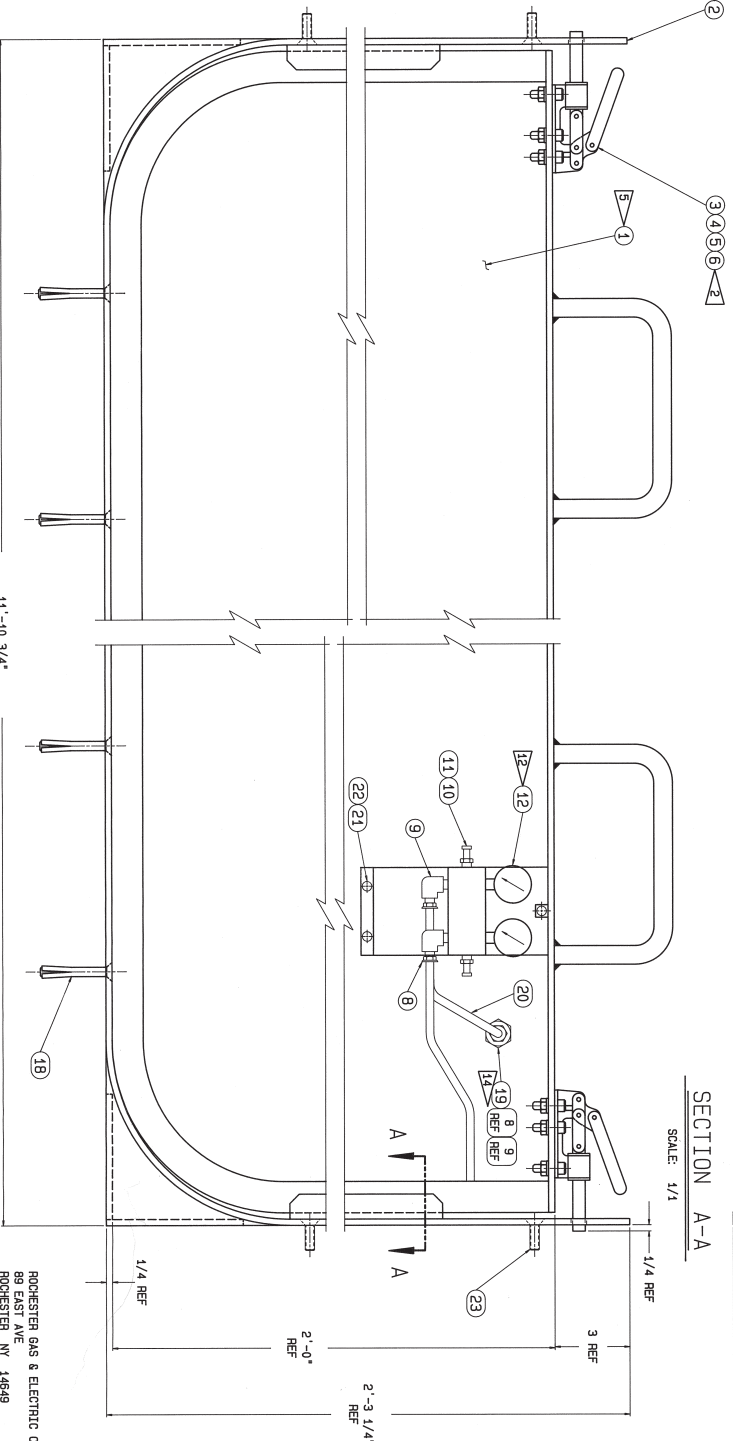


PR11641-1 ASSEMBLY



SECTION A-A

SCALE: 1/1



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 .045 & 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 KEN-KROMIX 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 PRESRAY MANUAL PR1622.

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

4	23	3/8-16UNC-2A X 1 1/4 LG.	FT HD CAP SCR
3	22	#10-32UNC-3A X 1/2 LG.	FLAT HD CAP SCR
1	21	SEE SHEET 3	PLEXIGLASS GUARD
1	20	18 X 8	HOSE
1	19	IMPERIAL EASTMAN #129-B-02 X 24	BURNEAD ADAPTER
1	18	REDHEAD #F5-3826	EXPANSTION ANCHORS
1	17	PR5713	NAMEPLATE
4	16	PARKER-KALON #0 X 3/16 LG	DRIVE SPOKE
1	15	PR5655	DATA PLATE
8	14	1/4-20UNC X 1 1/4 LG.	FT HD SOC CAP SCR
4	13	PR5657	RETAINER PLATE

PR11641

2	12	MARSH	0-60 1 1/2 1\"/>
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THE PRESRAY CORP.
P.F.B22 FLOOD
BARRIER ASSEMBLY
PR11641