

**WO Work Plan**

Work Control Document: WO# 9606626

**Removal and Installation of Conduit near the Unit 2 26' Elevation  
Containment Hatch Third Door (Door 235)**

Work Plan Originator: Todd A. Schaffer

Date: 9/18/96

Hold Point	Step No.	Work Plan Description	Worker	Date
NOTE:		<p><b>Scope:</b></p> <p>The scope of this work plan is to lift and tape wires in Door 232 Door Box and to pull back cable and remove approximately 10 feet of conduit near the Unit 2 26' elevation Containment Hatch 3rd Door (Door 235) in conjunction with the removal of the 26' equipment hatch. In conjunction with the re-installation of the equipment hatch near the end of the outage, the work plan will provide the necessary steps to install conduit, pull cable into the raceway, connect all wires, and to test the functionality of the switch.</p> <p>The equipment hatch will be removed per RMP 224.</p> <p>The scope of this work plan is non-QA.</p>		10-17
NOTE:		<p><b>Attachments:</b></p> <p>Attachments:</p> <p>Sheet 1 WO 9606626 Conduit Removal &amp; Installation</p>		
NOTE:		<p><b>Equipment:</b></p> <p>Tools for wire termination/determination and for conduit removal.</p>		
NOTE:		<p><b>Requirements:</b></p> <p>Notify security prior to opening Door Box 232.</p> <p>This work will be done in conjunction with RMP 224 - "Removal and Replacement of Containment Equipment Hatch." The removal of the Equipment Hatch requires that the pertinent unit be in cold shutdown, and that no refueling operations (as defined by PBNP Technical Specifications) are being performed.</p> <p>This work order has no safety concerns, and this work will not effect the normal or abnormal operation of Point Beach.</p> <p>Obey all Health Physics postings and barriers as necessary. Obtain a Radiological Work Permit (RWP) if necessary to complete work in this area.</p>		

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Hold Point	Step No.	Work Plan Description	Worker	Date
		<b>Special Instructions:</b>		
FME:	1	Refer to NP 8.4.10 "Exclusion of Foreign Material from Plant Components and Systems" and NP 8.4.12 "Equipment, Job Site and Plant Cleanliness Practices and Plant Storage Requirements" to maintain adequate FME and Plant Cleanliness practices	I&C	10-17
		<b>Conduit Removal and Installation</b>		
NOTE:		RMP 224 will disconnect Door 235 Magnetic Switch wires and will disconnect the associated flexible conduit.		
OPS	2	Verify that the plant is in cold shutdown that no refueling operations are in progress. Due to the Steam Generator Project, the plant will be defueled.	OPS/DSS	
	3	Notify security that Door 232 Door Box needs to be opened so that a guard can be dispatched to monitor Door 232 Door Box while it is opened. Open Door Box (Security will receive a tamper alarm).	N/A Security	N/A
	4	Lift and tape the following wire connections:  <u>Color</u> <u>Terminal Point</u> Blk        TS5-11A Red        TS5-12A	N/A I&C	N/A
Verifi- cation	5	<b>Independent Verification:</b>  Verify the following wires were lifted and taped:  <u>Color</u> <u>Terminal Point</u> Blk        TS5-11A Red        TS5-12A	N/A Verifier	N/A
	6	Close Door 232 Door Box and Verify that the tamper alarm has cleared.	N/A I&C	N/A
	7	Pull back Cable and remove conduit near the Unit 2 26' elevation Equipment Hatch as shown on the attached Sheet 1. Remove quick disconnect connectors if necessary to pull cable.	I&C	10-17

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Hold Point	Step No.	Work Plan Description	Worker	Date
NOTE:		The following steps cannot be completed until the Unit 2 26' Equipment Hatch is ready to be installed per RMP 224.		
	8.	Install conduit and cable that were removed in Step 6 of the work plan. Install any quick disconnect connectors removed in Step 6.	I&C	12-17
	9.	Notify security that Door 232 Door Box needs to be opened so that a guard can be dispatched to monitor Door 232 Door Box while it is opened. Open Door Box (Security will receive a tamper alarm).	NA Security	12-17
	10.	Remove tape and land the following wires:  Color    Terminal Point Blk      TS5-11A Red      TS5-12A	NA I&C	12-17
Verification	11.	Independent Verification:  Verify that the tape was removed, and the following wires were landed:  Color    Terminal Point Blk      TS5-11A Red      TS5-12A	NA Verifier	12-17
FME:	12.	Perform a visual FME closeout inspection of the Door Box. Verify the area free of foreign debris or working materials.	NA I&C	12-17
	13.	Close Door 232 door box and verify that the tamper has cleared.	NA I&C	12-17
NOTE:		Post Maintenance Testing cannot be performed until RMP 224 has been completed. RMP 224 will reconnect the flexible conduit from the magnetic switch and connect the quick disconnects.		
PMT		Post Maintenance Testing:		
	14.	Notify security to put Door 235 on line and monitor incoming alarms.	I&C	12-17
	15.	Hold the 26' elevation containment hatch door(Door 235) open for 2 minutes and verify that a timeout alarm is received in the CAS.	I&C	12-18
	16.	Close the door and verify that the timeout alarm clears.	I&C	12-17

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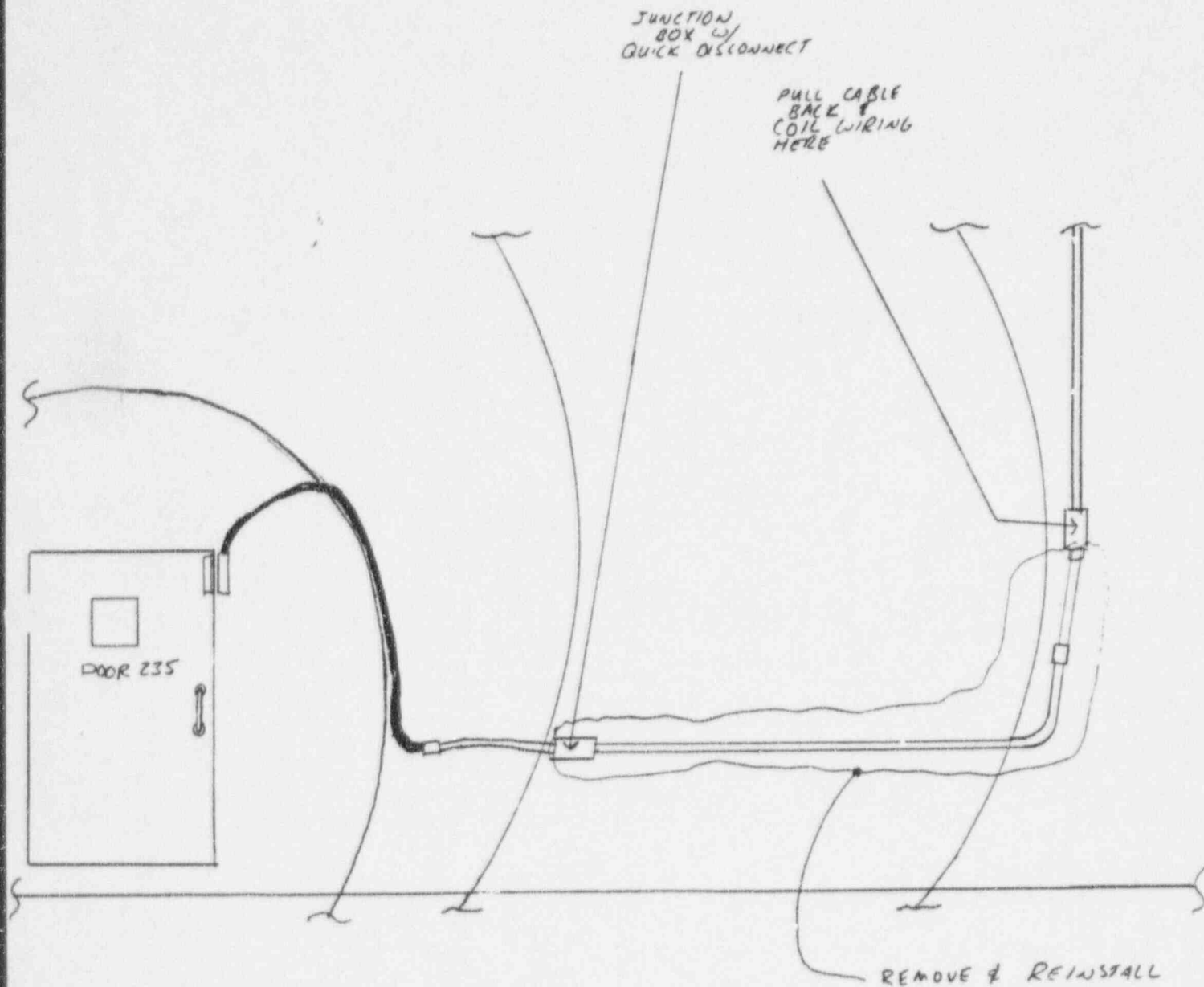
Work Plan Originator: Todd A. Schaffer

Date: 9/18/96

Hold Point	Step No.	Work Plan Description	Worker	Date
		Acceptance Criteria:		
	17.	Security has verified that the alarm was received after the door was open for 2 minutes and has accepted the work completed under this work order.	Security	12-17

The work performed under this IWP is complete. All equipment is Operational.

# UNIT 2 26' ELEVATION CONTAINMENT HATCH 3RD DOOR



DWG: SHEET 1

SHEET        OF       

☐ MR ☐ ECR

WO 9606626

DP&WN	DATE	CHECKED	DATE
-	9/18/96		

APPROVD.	DATE	TFI:



TITLE: WO 9606626 CONDUIT  
REMOVAL & INSTALLATION

WE REVISIONS

REV	DATE	DESCRIPTION	BY	APP
			CKD	REL