



**DESIGN DOCUMENT  
CHANGE NOTICE**

**INITIATING DOC.**  
TYPE: N/A  
NO. N/A

**DCP/CCP NO**  
REV. 013979

**ASSIGNED DISCIPLINE:**  
DESE

**DOCUMENT NUMBER**  
E-1F9910

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01

**PAGE 1 OF 4**

**OTHER DOCUMENTS AFFECTED BY THIS CHANGE:**  
E-15000, E-1F9905

**OTHER DDCN'S REQUIRED TO IMPLEMENT CHANGE:**

NONE

DigsigCert 1.75 3.49

**REASON FOR CHANGE:**

Administrative change to reflect room number and/or room description changes within Access Control Area, Fire Area C-5 and C-6. No physical change to PFSSD cables. No change to Fire Area C-5 and C-6 boundaries. No impact to PFSSD Area Analysis.

Administrative change does not require PE Stamping per WCNOC-162 Paragraph 8.1.1

DigsigOrg 4.5

PREPARED BY: *William M. Williams* DATE: 01/22/19

Verifier Qualification will be to the same requirement as the parent document

DigsigVer 4.5 0.5

Kamran Derakhshandegan

VERIFIED BY: *Kamran Derakhshandegan* DATE: 1/24/2019

DigsigApp 4.5 0.5

APPROVED BY: *Jeff Deter* DATE: 02/04/2019

DigsigDSR 4.5 0.65

DC RELEASE: DC7 DATE: 02/04/2019

**RPE Certification**  
For ASME Section III design specifications, refer to AP 05-004 for qualification requirements

**DESCRIPTION OF CHANGE:**

Room number and description changes impacted for Fire Area C-5 and C-6. See DDCN pages 2-4 for markup.

**1.0 GENERAL AREA DESCRIPTION**

Fire area C-5 is located on the 1984 elevation of the Control Building and includes the rooms listed in Table C-5-1.

Table C-5-1 Rooms Located in Fire Area C-5	
ROOM #	DESCRIPTION
3206	<del>Corridor</del> RCA Egress (Corridor)
3212	<del>Women's Locker Room</del> HP Lounge
3212A	Partial Height Electrical Chase
3213	<del>Women's Toilet</del> HP Conference Room (West)
3214	Hall
<del>3215</del>	<del>Men's Shower Room</del>
3216	<del>Drying Room</del> RP Calibration LAB #2
3217	Men's Toilet
3218	<del>H.P. Office Area</del> Exit Monitor Area
<del>3219</del>	<del>H.P. Office</del>
3220	Sign In/Out Area
3221	Vestibule No. 1
3222	H.P. Office
3223	<del>Janitors</del> Closet
3224	Vestibule No. 2
NAC	Area Above Suspended Ceiling
3231	Women's Toilet

Fire area C-5 is protected with an automatic wet-pipe sprinkler system above and below the suspended ceiling. In addition, partial automatic fire detection is installed. The fire area is separated from adjacent fire areas by minimum 3-hour fire resistant construction.

**2.0 PRIMARY EQUIPMENT USED FOR PFSSD**

Table C-5-2 lists each system credited for post-fire safe shutdown and provides a discussion regarding the availability of the system to perform its Post Fire Safe Shutdown (PFSSD) function if a severe fire occurs in this area. For a summary of the area analysis results, see Section 8.0 of the Fire Area Analysis Narrative section.

Table C-5-4 PFSSD Cables Located in Fire Area C-5					
Cable #	Location	Primary PFSSD Equipment	Cable Function (P) Power (C) Control (I) Instrumentation	Evaluation Section	Comments
11EF11EA	3222, 3224, NAC	EFFT0053	I	5.2.3	ESW Train A Flow Transmitter
11EFK01SB	3224, NAC	DPEF01A	C	5.2.3	Train A ESW Pump Control HIS and Interposing Relays
11EJB01AA	NAC	DPEJ01A	P	5.2.5	Train A RHR Pump Motor
11G DG01AC	3212, 3224, NAC	DCGD01A	C	5.2.3	Train A ESW Pump Room Supply Fan Motor
11G DG01AD	3212, NAC	DCGD01A	C	5.2.3	Train A ESW Pump Room Supply Fan Motor
11GDI04AA	3224, NAC	GDTE0001	I	5.2.3	Train A ESW Pump Room Temperature
11GDI04AB	3224, NAC	GDTZ0001A	I	5.2.3	Train A ESW Pump Room Inlet Damper
11GDI04AC	3224, NAC	GDTZ0001B	I	5.2.3	Train A ESW Pump Room Recirc Damper
11GDY01AA	3212, 3224, NAC	DCGD01A	C	5.2.3	Train A ESW Pump Room Supply Fan HIS and Interposing Relays
11GDY01AD	3212, NAC	DCGD01A	C	5.2.3	Train A ESW Pump Room Supply Fan HIS and Interposing Relays
11NGB10SB	3224, NAC	NB00116	P	5.2.3	NG05E Feeder Breaker
11NGG01AA	NAC	XNG01	P	5.2.6	XNG01 Incoming Power Feed from NB0113
11NGG01AB	NAC	NG01A	P	5.2.6	NG01A Incoming Power Feed from NG0106
11NGG01AC	NAC	NG01A	P	5.2.6	NG01A Incoming Power Feed from NG0106
11NGG01BA	NAC	XNG03	P	5.2.6	XNG03 Incoming Power Feed from NB0110
11NGG01SA	NAC	XNG05	P	5.2.3	XNG05 Incoming Power from NB0116
15NBB03AA	<del>3215, 3217, 3218, 3220, 3222, NAC</del>	NB01	P	5.2.4	Phase A Power Feed XNB01 to NB01
15NBB03AC	<del>3215, 3217, 3218, 3220, 3222, NAC</del>	NB01	P	5.2.4	Phase B Power Feed XNB01 to NB01
15NBB03AE	<del>3215, 3217, 3218, 3220, 3222, NAC</del>	NB01	P	5.2.4	Phase C Power Feed XNB01 to NB01

### 1.0 GENERAL AREA DESCRIPTION

Fire area C-6 is located on the 1984 elevation of the Control Building and includes the rooms listed in Table C-6-1.

Table C-6-1 Rooms Located in Fire Area C-6	
ROOM #	DESCRIPTION
3201	Stairway C-1
3202	Controlled H.P. Tool & Instrument Storage Room
3203	Hot Janitors Closet
3204	Corridor No. 1
3205	H.P. Area
3205A	Partial Height Electrical Chase
3207	<del>Exit Monitor Area</del> RCA Ingress
3208	<del>Laundry Room</del> RP Calibration Lab #1
3209	Decon Area
3210	Decon Shower
3211	<del>H.P. Area</del> HP Conference Room (East)
SAC	Area Above Suspended Ceiling

Fire area C-6 is protected with an automatic wet-pipe sprinkler system above and below the suspended ceiling. In addition, partial automatic fire detection is installed. The fire area is separated from adjacent fire areas by minimum 3-hour fire resistant construction.

### 2.0 PRIMARY EQUIPMENT USED FOR PFSSD

Table C-6-2 lists each system credited for post-fire safe shutdown and provides a discussion regarding the availability of the system to perform its Post Fire Safe Shutdown (PFSSD) function if a severe fire occurs in this area. For a summary of the area analysis results, see Section 8.0 of the Fire Area Analysis Narrative section.