Request For Information

Submitted By: Russell Hovis
Title: Construction Supervisor II
Region: III
Institution: CIM
Project Name: Replace Roofs (Program Phase 1 - 4)
Title: Roof Replacement - Phase 1 Facility B

RFI#: 012
Date: 1/8/2026
Needed By: 2/5/2026
CCM Proj. # I-001123
A/E Proj. # 22-090

RFI Description – Correctional Construction Mentorship Program (CCM)

Plan page E2-5 notes 6 & 7 stats to remove and replace electrical panel 2-K and to use existing wiring. Plan page E0-1 Panel Schedule shows to install a 200 Amp 42 space panel in its place.
The existing panel 2-K is fed with #10 THWN wire in a 1" GRC conduit on a 40A breaker from panel 2-J.
Panel 2-J is fed from panel 2-T with #1 THHN in a 1-1/2" GRC conduit and is on a 100A breaker.
The existing wiring and conduit run is under sized and will not support a 200A panel. Please see attached picture.
CCM recommends feeding the added new circuits (6) on the roof from three different panels located near the vicinities where they

Location: CIM FAC B

Attachments

Plan(s) Sht/Detail: E2-5 Keynote 6 and 7, E-01 Panel Schedule
Specification: Attached
Submittals: N/A
Shop Drawings: N/A
Product Data: N/A
Memo / Letter: N/A
Images: N/A
Other: N/A

Response To RFI – Architecture and Engineering Section

CDCR electrical engineer has reviewed and wants consultant engineer to respond with a CB as needed.

Attachments

Plan(s) Sht/Detail: N/A
Specification: N/A
Submittals: N/A
Shop Drawings: N/A
Product Data: N/A
Memo / Letter: N/A
Images: N/A
Other: N/A

Response By: Eileen Tumlin, Senior Architect
Date: 2/5/2026

Access Compliance Review for Attachment: Not Required

SFM Approval for Attachment: Required

Timestamp of Response: [Final A/E


25A
27B
29C
31A
33B
35C
P.M.
M204-01-011
CDC - SAPMS
040000000377
AUTOMATIC TRIPPED INDICATION
2026.01.06 13:06

CIM PRISON

PROJECT NO. 505.006

VOLTS 120/208
PHASE 3PH, 4W
MTG FLUSH

PANELBOARD 2X

LOCATION SUB PROJECT #4

MAIN 225A
BUS 225A

CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	4364	-----	-----	M	50/3	1	AC 4-3
3	-----	4364	-----	M	---	--	---
5	-----	-----	4364	M	---	--	---
7	3744	-----	-----	M	45/2	1	AC 4-3 HEAT
9	-----	3744	-----	M	--	--	---
11	-----	-----	3276	M	50/2	1	AC 4-4
13	3276	-----	-----	M	---	--	---
15	-----	3016	-----	M	40/2	--	AC 4-4 HEAT
17	-----	-----	3016	M	---	1	---
19		-----	-----		20/1	--	SPARE
21	-----		-----		20/1	--	SPARE
23	-----	-----			20/1	1	SPARE
25		-----	-----		20/1	--	SPARE
27	-----		-----				PROVISION
29	-----	-----					PROVISION
31		-----	-----				PROVISION
33	-----		-----				PROVISION
35	-----	-----					PROVISION
37		-----	-----				PROVISION
39	-----		-----				PROVISION
41	-----	-----					PROVISION

	CKT	A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	540	-----	-----	R	20/1	3	JANITOR/WHEELCHAIR RECEPT.
B	4	-----	720	-----	R	20/1	4	CUSTODY/LUN ALCOVE RECEPT.
C	6	-----	-----	540	R	20/1	3	CORRIDOR/BREAK RECEPT.
A	8	900	-----	-----	R	20/1	5	NURSING/OT RECEPT.
B	10	-----	900	-----	R	20/1	5	NURSING/OT RECEPT.
C	12	-----	-----	720	R	20/1	4	EXAM RM. RECEPT.
A	14	720	-----	-----	R	20/1	4	EXAM RM. RECEPT.
B	16	-----	720	-----	R	20/1	4	EXAM RM. RECEPT.
C	18	-----	-----	900	R	20/1	5	CLINICIAN WORK RECEPT.
A	20	1200	-----	-----	G	20/1	1	REFRIGERATOR
B	22	-----	180	-----	R	20/1	1	BREAK RM COUNTER RECEPT.
C	24	-----	-----	720	R	20/1	4	MULTI-EXAM RM RECEPT.
A	26	720	-----	-----	R	20/1	4	EXAM RM. RECEPT.
B	28	-----	540	-----	R	20/1	3	SOILED/CLEAN UTILITY/STORAGE
C	30	-----	-----	540	R	20/1	3	SRN RM. RECEPT.
A	32	1620	-----	-----	R	20/1	9	MINOR PROCEDURE RECEPT.
B	34	-----	360	-----	R	20/1	2	STAFF RESTROOM RECEPT.
C	36	-----	-----	500	R	20/1	1	GARBAGE DISP.
A	38	50	-----	-----	G	20/1	1	PACP
B	40	-----		-----		20/1	--	SPARE
C	42	-----	-----			20/1	--	SPARE

CONNECTED:

	VA	AMPS
PHASE A =	17134	143
PHASE B =	14544	121
PHASE C =	14576	121
TOTAL =	46254	128

L.C.L. @ 125% =	
RECEPT. ( ) 10 kVA @ 50%) =	10920
KITCHEN @ 65% =	
OTHER LOAD @ 100% =	34414
TOTAL VA =	45334
TOTAL AMPS =	126

LOAD TYPE:

G - GENERAL (100%)
L - L.C.L. (125%)
R - RECEPTACLE (50%)
(10 kVA @ 100%)
K - KITCHEN (65%)

M - MOTOR (100%)
M1 - MOTOR (125%)
X - X-RAY (100%)
X1 - X-RAY (50%)

CIM PRISON

PROJECT NO. 505.006

VOLTS 120/208
PHASE 3PH, 4W
MTG FLUSH

PANELBOARD 2XA

LOCATION SUB PROJECT #4

MAIN L.U.
BUS 225A

CKT	LOAD (VA) A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1456	----	----	M	20/2	1	FC/CU-4-1
3	----	1456	----	M	---		---
5	----	----	650	G	20/1	13*	SMOKE FIRE DAMPER
7	1996	----	----	M	30/2	1	AC 4-1
9	----	1996	----	M	---		---
11	----	----	3016	M	40/2	1	AC 4-1 HEAT
13	3016	----	----	M	---		---
15	----	1996	----	M	30/2	1	AC 4-2
17	----	----	1996	M	---		---
19	3016	----	----	M	40/2	1	AC 4-2 HEAT
21	----	3016	----	M	---		---
23	----	----	900	R	20/1	5	ROOF AC RECEPT.
25	120	----	----	G	20/1	1	HEAT SMOKE DETECTOR
27	----		----		20/1		SPARE
29	----	----			20/1		SPARE
31		----	----		20/1		SPARE
33	----		----				PROVISION
35	----	----					PROVISION
37		----	----				PROVISION
39	----		----				PROVISION
41	----	----					PROVISION

	CKT	LOAD (VA) A	B	C	TYPE	BKR	OUTLET QUAN	DESCRIPTION
A	2	120	----	----	G	20/1	1	WH-4-1
B	4	----	840	----	M	20/1	1	CP-4-1
C	6	----	----	1392	M	20/1	2	FF 4-1 & 4-2
A	8	696	----	----	M	20/1	1	FF 4-3
B	10	----	850	----	L	20/1	17	CORRIDOR/INMATE AREA LTG.
C	12	----	----	500	L	20/1	10	CORRIDOR/INMATE AREA LTG.
A	14	950	----	----	L	20/1	19	OFFICE LTG.
B	16	----	1080	----	L	20/1	22	OFFICE LTG.
C	18	----	----	120	G	20/1	1	FACU
A	20		----	----		20/1		SPARE
B	22	----		----		20/1		SPARE
C	24	----	----			20/1		SPARE
A	26		----	----				PROVISION
B	28	----		----				PROVISION
C	30	----	----					PROVISION
A	32		----	----				PROVISION
B	34	----		----				PROVISION
C	36	----	----					PROVISION
A	38		----	----				PROVISION
B	40	----		----				PROVISION
C	42	----	----					PROVISION

CONNECTED:

	VA	AMPS
PHASE A =	11370	95
PHASE B =	11234	94
PHASE C =	8574	71
TOTAL =	31178	87

L.C.L. @ 125% =	4225
RECEPT. ( ) 10 kVA @ 50% =	900
KITCHEN @ 65% =	
OTHER LOAD @ 100% =	26898
TOTAL VA =	32023
TOTAL AMPS =	89

LOAD TYPE:

G - GENERAL (100%)
L - L.C.L. (125%)
R - RECEPTACLE (50%)
(10 kVA @ 100%)
K - KITCHEN (65%)
M - MOTOR (100%)
M1 - MOTOR (125%)
X - X-RAY (100%)
X1 - X-RAY (50%)