COUNTY OF VENTURA PUBLIC WORKS AGENCY

Date: October 20, 2022

To: All Prospective Bidders

From: Jeff Pratt Director of Public Works

Addendum No.1

Subject: Project Name: VCMC Pediatric Unit Specification No. CP21-04 Bids to be Opened: November 9, 2022.

Make the following modifications to the bidding documents for subject project:

I. <u>SPECIFICATIONS</u>

- 1. Add attached Appendix H:
 - a. HCAI Testing Inspection and Observation documents.
- 2. Add attached Appendix I:
 - a. Infection Control Risk Assessment (ICRA) and Interim Life Safety Measures (ILSM) forms to be completed by the contractor.
- 3. Add attached Appendix J:
 - a. Five (5) coordination drawings dated 05.31.2022. For related scope of cable and back boxes for Centrak security system components that coordinate with she #94 LV1; The Centrak controller and devices are OFOI.
- 4. Add attached Appendix K:
 - a. Nine (9) plan coordination drawings dated 10/17/2022; Access Control system and Closed Circuit TV system coordination with sheet #94 LV1.The controllers and devices for Access Control and Closed Circuit TV are OFOI.
- 5. Revise section 01 33 00 Submittal Procedures as follows:
 - a. Add Section 1.06, D "Decorative Materials and Finishes: Submit coordinating finish and decorative submittals at one time for review. Early submittals will be held until all of the finish submittal in the area have been received for review. "
- 6. Revise section 09 68 13 Tile Carpeting as follows:
 - a. Add paragraph 2.5 C. Resilient Base 1. Manufacturer: Armstrong, Burke, or equal; 6" high or match existing base height. Standard color; see separate color and materials supplement. 2. Provide premolded external corner and end units for resilient base. Color, height and profile to match specified base material.
- 7. Revise Section 10 51 13, Metal Lockers as follows:
 - a. Revise Paragraph F: The locker handles shall be the manufacturer's standard ADAcompliant handle.
- 8. Add attached section 03 54 16, Hydraulic Cement Underlayment.
 - a. Where existing floor structure requires leveling to allow proper installation of floormounted cabinets or to remove localized depressions, provide underlayment per this section.
- 9. Add attached section 07 81 00 Applied Fire-Resistive Materials.
 - a. See PLANS revision 5 below.
- 10. Add attached section 09 01 70, Removal and Surface Prep of Existing Wallcovering.

ADDENDUM NO. 1 6 3-1AddendaForm.docx SPEC NO. CP21-04

- a. Removal of existing wallcovering and wall protection panels, and the repair of any damage caused by the removal process, shall be accomplished in accordance with this specification.
- 11. Add attached section 09 72 05, Digital Printed Wallcovering.
 - a. Wallcovering murals as indicated on the color and material supplement sheets shall conform to this specification.
- 12. Add attached section 10 21 00, Cubicle Curtain Tracks.
- a. Tracks for cubicle curtains, where noted on plans, shall comply with this specification.
- 13. Add attached section 10 14 13 Interior Signage.
 - a. This is the complete signage package including message schedule and location plan.

14. <u>PLANS</u>

- 1. Revise plan sheet A2.1 as follows:
 - a. Replace Key note 16 with the following: "Remove existing ceramic tile floor and thinset tile wall finish including existing gypsum wallboard in existing toilet rooms: typical throughout project area U.N.O.
 - b. Add additional text at end of Key note 24: "The ceramic tile in Toilet 2C21 is mortar-set tile throughout. Existing mortar bed for tile in the toilet/lavatory area may remain as a substrate for the replacement tile, or Contractor may at their option remove and replace the mortar bed."
- 2. Revise plan sheet A2.2 as follows:
 - Provide quantity five (5) fire extinguisher cabinets and extinguishers [one in 2C55; two in 2C56; two in 2C58]. Cabinets shall be installed within 5-sided enclosure per detail 9/A8.2 in rated corridor walls, at locations as directed by Agency.
- 3. Revise plan sheet A2.3 as follows:
 - a. Provide 36"x60" whiteboard at the east wall of Break Room 2C33.
 - b. Provide 36"x48" whiteboard at the north wall of Office 2C43.
- 4. Revise plan sheet A4.1 as follows:
 - a. In Room Finish Schedule Abbreviation insert: CBB Cementitious Back Board.

(Substrate for new tile shall be cementitious backer board per specification section 09 00 30)

- In the Room Finish Schedule, wall material column notation for rooms 2C04, 2C06, 2C08, 2C10, 2C14, 2C16, 2C18, 2C21, 2C 23, 2C25, 2C27, 2C29, 2C31, 2C34, 2C42, 2C45, 2C52, and 2C53: replace GB and WGB with CBB.
- 5. Revise plan sheet A6.1 as follows:
 - a. Add attached drawing XA-01.
 - b. Add additional text at end of Key note 6,

"At conditions where new steel beams frame into the existing steel beam:

a. Remove existing plaster finish and 16 gauge framing as required to make structural connections. Remove and clean existing fireproofing from beam to allow proper welded connections. Existing fireproofing is Carboline A/D Firefilm III intumescent paint.

b. Replace existing fireproofing to match existing per attached specification section 07 81 00.

c. Replace any removed or damaged 16 gauge framing to match existing, as shown on

detail XA-01.

d. Restore existing water-resistant barrier under plaster sealing barrier tight to new steel members penetrating the barrier.

e. Patch back the lath and cement plaster finish to match existing at all openings; paint entire length of plaster beam to match existing.

- 6. Revise plan sheet S-3.00 as follows:
 - a. At detail 6, insert reference to keynote 6 on A6.1.
- 7. Revise plan sheet P2.1 as follows:
 - a. The plumbing fixtures shown as existing to be demolished in rooms 2C04, 2C10, 2C12, and 2C14 have already been removed. The existing rough-ins and carriers for these fixtures are existing and shall be demolished where noted on this drawing.
- 8. Revise plan sheets E3.2 as follows:
 - a. Provide three total additional power outlets at rooms 2C33, 2C41, and 2C59 as shown on attached drawing XE-01.
- 9. Revise Plan sheet E3.3 as follows:
 - a. Provide two total additional TV cable outlets at rooms 2C33 and 2C41as shown on attached drawing XE-01.
- 10. Revise plan sheet E4.1 as follows:
 - a. Revise panel schedule LPBB per attached drawing XE-02.
- 11. Add Plan Sheet CM-1:
 - a. See attached new plan sheet CM-1 #90; Addendum #1; Color & Materials Supplement.
- 12. Add Plan Sheet CM-2:
 - a. See attached new plan sheet CM-2 #91; Addendum #1; Color & Materials Supplement.
- 13. Add Plan Sheet CM-3:
 - a. See attached new plan sheet CM-3 #92; Addendum #1; Color & Materials Supplement.
- 14. Add Plan Sheet CM-4:
 - a. See attached new plan sheet CM-4 #93; Addendum #1; Color & Materials Supplement.
- 15. Add Plan Sheet LV1:
 - a. See attached new plan sheet LV1 #94; Addendum #1; Low Voltage systems.
 - b. See sheet LV1 for general scope of work for Structured Cabling System, Cable TV system, and associated back boxes.

Acknowledgment of this addendum is required on the Bonfire website when submitting your bid. Failure to do so may result in the disqualification of your bid.

Approved:

CEC 10/20/22

Jeff Pratt, Director

10/20/22

Date Approved

ADDENDUM NO. 1 6_3-1AddendaForm.docx SPEC NO. CP21-04

PAGE 3 OF 3

TECHNICAL SPECIFICATIONS

VCMC PEDIATRIC UNIT SPEC NO. CP21-04 **BID ADDENDUM NO. 1**

APPENDIX H

HCAI Testing, Inspection and Observation (TIO)

VCMC PEDIATRIC UNIT

SPEC NO. CP21-04



355 South Grand Avenue.

Los Angeles, CA 90071

Suite 1900



Testing, Inspection, and Observation Program

2019 California Building Standards Code - OSHPD 1

This program is prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for: general acute care hospitals, acute psychiatric hospitals, and general acute care hospitals providing only acute medical rehabilitation center services.

SECTION A PROJECT INFORMATION								
Facility #:	Fac	ility Name:		Project #:	Sub #:			
11162	Ventura Cou	Ventura County Medical Center H202495-						
Street Address:	300 Hillmont Ave							
City:	Ventura	County: Ventura						
Record Name	(Scope of Project):	VCMC Pediatrics Unit						
Abbreviations:								
CAC: California Ac	Iministrative Code	AAMA: American Architectural Manufacturers Association						
CBC: California Bu	uilding Code	NFPA: National Fire Protection Association						
CEC: California El	ectrical Code	FM: FM Approval Standards						
CMC: California M	echanical Code	DPOR: Design Professional of R	Г					
CPC: California Pl	umbing Code				Version: R03.7.8			

DESIGN PROFESSIONAL OF RECORD RESPONSIBILITY

The administration of the work of construction, including this TIO, shall be under the responsible charge of an architect and structural engineer. When a structural engineer is not substantially involved, the architect shall be solely responsible. Where neither structural nor architectural elements are substantially involved, a mechanical or electrical engineer registered in the branch of engineering most applicable to the project may be in responsible charge. (CAC 7-141(a))

Note: HCAI plan review staff must provide verification that the TIO program has been "Reviewed" prior to plan approval to confirm the applicability of the tests and inspections identified in the TIO program for work scope, building systems, and the construction materials shown in the design drawings. Field staff will issue subsequent "TIO Program Approval".

The "TIO Program Approval" from HCAI field staff must be obtained and included with the notice of start of construction required by CAC Section 7-137(a)4) and 7-145(a)5.A)

Construction shall not commence until the health facility has obtained from HCAI "TIO Program Approval". (CAC Section 7-135(a)3)



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Testing, Inspection, and Observation Program

	SE	СТІ	ON B	NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by HCAI prior to proceeding with the related work.							
	Facility	#:	Facility Name:			Project #:					
	11	162	Ventura County Medical Center			H202495-56-00					
				Select wi required in							
	Index #	REQUIRED (Select with "X")	TESTS	Samples of test & inspection reports included	OPAA No. and Expiration Date	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	HCAI/FDD USE (Initial/Date)			
STR	UCTU	RAL	TESTS				_				
c	oncret	te									
	B-C1	х	Concrete CBC 1705A.3, 1903A.6 & 1910A.1; ACI-318 1.9.1 & 26.4 Cementitious materials								
	B-C2	x	Concrete CBC 1705A.3, 1903A.5; ACI-318 1.9.1 & 26.4 Aggregates/Reactive aggregates								
	B-C3	х	Concrete CBC 1705A.3, ACI-318 26.4.1.3, ASTM C1602 Water								
	B-C4	х	Concrete CBC 1705A.3 & 1905A.1.15; ACI-318 26.12 Strength test								
	B-C5	x	Concrete CBC 1705A.3 & 1910A.2 & ACI-318 20.2, 25.4.5.1 & 26.6.1.2 Metal reinforcement (including welded wire fabric and headed rebar)								
	B-C6	х	Concrete CBC 1705A.3, 1901A.3 & ACI-318 20.4 Headed studs and headed stud assemblies								
	B-C7	х	Concrete CBC Table 1705A.3, 1903A.8 Weldability of reinforcing bars								
	B-C14	x	Post-installed anchors CBC 1910A.5 Installation verification test (includes adhesive, shot pins and mechanical anchors)								
s	teel										
	B-S1	x	Steel CBC 2202A.1 Identification test for structural steel and cold formed steel								
	B-S2	x	Steel CBC 2213A.1 & 1705A.13.1 High strength bolts, nuts, and washers								
	B-S3	x	Steel CBC 2213A.2 & 1705A.13.1 End-welded studs								
	B-S4	x	Steel CBC 1705A.2.1 & 1705A.13.1.2 Nondestructive testing of welds								
ELEC	TRIC		ESTS								



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Testing, Inspection, and Observation Program

	SE	СТІ	ON B	NOTE: App by the DPO	roved agenc R and appro	cies, individuals, and all changes to the TIO proved by HCAI prior to proceeding with the relat	ogram shall be iden ed work.	tified, evaluated
	Facility	#:	Facility Name:			Project #:		
	11'	162	Ventura County Medical Center			H202495-56-00		
				Select wi required in	th "X" or formation:			
3	Index #	REQUIRED (Select with "X")	TESTS	Samples of test & inspection reports included	OPAA No. and Expiration Date	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	HCAI/FDD USE (Initial/Date)
	B-E6	Х	Essential Electrical System Coordination Study CEC 517.31(G) & 700.32					
	B-E8	Х	Grounding System in Patient Care Spaces 2018 NFPA 99 6.3.3.1					
	4 B-E9	Х	Hospital Grade Receptacles 2018 NFPA 99 6.3.3.2.5					
	B-E1	Х	Insulation Testing CEC 110.7, 2018 NFPA 99 6.7.4.1.2.2					
	B-E15	Х	Torque Electrical Connections CEC 110.3(B) & 110.14(D)					
	B-E17	х	Nurse call system CEC 517.123					
MEC	CHAN	ICAL	TESTS					
	B-ME7	х	Hydronics CMC 1205.2, 1220.2.6 & 1221.3 Pressure test of steam and water piping					
	B-ME9	х	Existing System Air Balance CMC 407.3.1 Pre-demolition Air Balance Test and Report					
	B-ME10	х	Existing System Air Balance CMC 407.3.1 Air Balance Test and Report					
	B-ME11	х	Ventilation system Air Balance CMC 407.3.1 & Table 4-A Areas tested and balanced					
	B-ME12	х	Duct Leakage Test CMC 603.10.1 SMACNA HVAC Air Duct Leakage Test					
	B-ME13	х	Airborne Infection Isolation Rooms and Protective Environment Rooms CMC 416.4 Alarm system test					
	B-ME14	х	Airborne Infection Isolation Rooms and Protective Environment Rooms CMC 417.0 Mechanical system tested and balanced					
PLU	MBIN		STS					
	B-P1	Х	Disinfection of potable water systems CPC 609.9					
	B-P2	х	Medical gas and vacuum NFPA 99-2018 § 5.1.12 Gas and vacuum system performance testing					
	B-P3	х	Medical gas and vacuum NFPA 99-2018 § 5.1.12 Gas and vacuum system verifcation testing					



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Testing, Inspection, and Observation Program

	SE	СТІ	ON B	NOTE: App by the DPO	NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by HCAI prior to proceeding with the related work.							
	Facility	#:	Facility Name:			Project #:						
	11	162	Ventura County Medical Center	H202495-56-00								
				Select wi required in	ith "X" or formation:							
	Index #	REQUIRED (Select with "X")	TESTS	Samples of test & inspection reports included	OPAA No. and Expiration Date	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	HCAI/FDD USE (Initial/Date)				
	B-P5	х	Water supply system CPC 105.3, 105.3.2, & 609.4 Pressure tested prior to covering or concealment									
	B-P6	х	Plumbing, drainage, and venting systems CPC 105.3, 105.3.2, & 712.0 Water or air tested prior to use, covering or concealment. No air test for plastic piping.									
	B-P8	Х	Storm drain piping CPC 1107.1 Water or air tested prior to use, covering or concealment									
	B-P13	х	Shower receptors CPC 408.7.5									
FIRE	PRO	TECT	ION AND LIFE SAFETY SYSTEMS									
	B-FP1	х	Fire Alarm CFC 901.5 & CFC 907.7 NFPA 72-2016 §14.4 Acceptance and Reacceptance Testing									
	B-FP2	х	Fire and smoke dampers CFC 901.5 & CFC 907.8 Acceptance testing									
	B-FP5	х	Fire sprinkler CFC 901.5 & NFPA 13-2016 Chapter 25 Acceptance testing – Aboveground piping									
отн	ER TI	ESTS										
	B-OT2	х	Exit Signs CBC 1013.1 Location, Illumination and Physical Characteristics									



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Testing, Inspection, and Observation Program

	SI	ECI	FION C	NOTE: App the DPOR a	roved agence and approve	ies, individuals, and all changes to the TIO pro d by HCAI prior to proceeding with the related	ogram shall be iden work.	tified, evaluated by
	Facili	ity #:	Facility Name:			Project #:		Sub #:
	1'	1162	Ventura County Medical Center			H202495-56-00		0
				Select w required in	ith "X" or formation:			
	Index #	REQUIRED (Select with "X")	ON-SITE SPECIAL INSPECTIONS	Samples of test & inspection reports included	OPAA No. and Expiration Date	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	HCAI/FDD USE (Initial/Date)
STRI	JCT	URA	L SPECIAL INSPECTIONS					
С	onci	rete					-	
	c-c1	Х	Concrete CBC 1705A.3; ACI-318 26.5.2 & 26.13 Placement of concrete					
	C-C2	Х	Concrete CBC 1705A.3; ACI-318 26.4.1.5 Admixtures					
	C-C3	Х	Concrete CBC 1705A.3; ACI-318 26.4 Mix Design					
	C-C4	х	Concrete CBC 1705A.3; ACI-318 26.13 Reinforcing steel & prestressing steel					
	C-C5	Х	Concrete CBC 1705A.3 CIP & Post-installed anchors					
	c-c8	х	Concrete CBC 1705A.3.3 Batch plant inspection					
	C-C14	х	Concrete CBC 1705A.3, 1705A.3.1 & 1903A.8 Welding of reinforcing bars					
S	teel							
	C-S1	х	Steel CBC 1705A.2.5 & 1705A.12.1 Automatic end-welded studs					
	C-S2	х	Steel CBC 1705A.2.5 & 1705A.12.1 Shop and field welding					
	C-S3	х	Steel AWS D1.1 3 & 4 and AWS D1.8 6.1 Shop and field welding - WPS / WPQR					
	C-S4	х	Steel CBC 1705A.2 & 1705A.12.1 High strength bolt installation					
	C-S5	х	Steel CBC 1705A.2, 1705A.11.2 & 1705A.12.3 Cold-formed steel light frame construction					
N	lons	tructu	ral components, supports and attachments					
	C-N1	х	Architectural components CBC 1705A.12.5 & 1705A.16 Cladding, nonbearing walls and veneer					
	C-N2	х	Ceiling CBC 1705A.12.5 Suspended ceiling systems and their anchorage					
	C-N5	х	Plumbing, mechanical and electrical components CBC 1705A.12.6 Anchorage, bracing, and vibration isolators					



2020 West El Camino Avenue, Suite 800 Sacramento, CA 95833

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Testing, Inspection, and Observation Program

	SI	EC	FION C	NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by HCAI prior to proceeding with the related work.							
	Facil	ity #:	Facility Name:			Project #:		Sub #:			
	1	1162	Ventura County Medical Center		0						
					Select with "X" or required information:						
	Index #	REQUIRED (Select with "X")	ON-SITE SPECIAL INSPECTIONS	Samples of test & inspection reports included	OPAA No. and Expiration Date	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	HCA//FDD USE (Initial/Date)			
	C-N6	х	Special Seismic Certification CBC 1705A.12.4 Special Seismic Certification label, anchorage and mounting								
FIRE	PR	OTE	CTION AND LIFE SAFETY SYSTEM SP	ecial i	NSPEC	TIONS					
	C-FP3	х	Penetration firestops CBC 1705A.17.1 Penetration firestop systems that are tested and listed								
	C-FP4	х	Fire-resistant joint systems CBC 1705A.17.2 Fire-resistant joint systems that are tested and listed								



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Testing, Inspection, and Observation Program

	S	EC.	FION D	NOTE: App the DPOR a	NOTE: Approved agencies, individuals, and all changes to the TIO program shall be identified, evaluated by the DPOR and approved by HCAI prior to proceeding with the related work.							
	Facil	ity #:	Facility Name:		Project #:							
	1	1162	Ventura County Medical Center			H202495-56-00		0				
				Select w required in	ith "X" or formation:							
	Index #	REQUIRED (Select with "X")	OFF-SITE SPECIAL INSPECTIONS	Samples of test & inspection reports included	OPAA No. and Expiration Date	RESPONSIBLE APPROVED AGENCY AND/OR INDIVIDUAL (IDENTIFY SPECIAL INSPECTOR)	COMPLIANCE VERIFICATION BY IOR (Initial/Date)	HCAI/FDD USE (Initial/Date)				
STR	UCI	TURA	L SPECIAL INSPECTIONS									
C	Concrete											
	D-C4	х	Concrete CBC 1705A.3; ACI-318 26.13 Reinforcing steel & prestressing steel									
	D-C8	х	Concrete CBC 1705A.3.3 Batch plant inspection									
	D-C12	х	Concrete CBC 1705A.3, 1705A.3.1 & 1903A.8 Welding of reinforcing bars									
S	Steel											
_	D-S1	х	Steel CBC 1705A.2 & 1705A.12.1, AISC-360 & AISC-341 Steel shop fabrication									
	D-S2	х	Steel CBC 1705A.2.5 & 1705A.12.1 Automatic end-welded studs									
	D-S3	х	Steel CBC 1705A.2.5 & 1705A.12.1 Shop welding									
	D-S4	х	Steel AWS D1.1 3 & 4 and AWS D1.8 6.1 Shop and field welding - WPS / WPQR									



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Testing, Inspection, and Observation Program

SECTION	SECTION F				CONSTRUCTION VERIFICATION									
Facility #:	Facil	ity Name:							Proj	ect #:		Sub #:		
11162	Ventura Coun	ty Medica	al Center						H20249	95-56-00				
	VERIFIED CONSTRUCTION IN	SPECTIO	N AND	OBSERV	ATION I	REPORT	ING							
REFERENCE NUMBER	PROJECT MILESTONE OR INTERVAL	(See	VERIF "PERSC	IED CON	MPLIAN((F OWLED(CE REPO Form OS GE" as de Sectior	DRT REC H-FD-12 efined in 17-151)	QUIRED 3) Californ	AS INDI	CATED	Code,	FOR HCAI USE ONLY		
		GEOR	AOR	SEOR	MEOR	EEOR	CONT	IOR	SP INSP	TEST LAB		HCAI FDD		
	Clear all plan review Outstanding Items List (OIL) Items													
VR-M1	Mech & Plumbing rough-in complete in walls prior to covering				х			х						
VR-M2	Mech, Plumbing, Sprinkler rough-in compl. in ceilings prior to covering				х			х						
VR-M3	Rooftop Mechanical work complete				х			х						
VR-E1	Electrical rough-in complete in walls & ceilings prior to covering					х		х						
VR-S1	After erection of steel before deck placement			х										
VR-S2	Before concrete placement			х										
	Installation of temporary equipment													
	Removal of temporary equipment													
VR-SC	Substantial Compliance (Remodel, Renovations, Maintenance projects, Equipment Replacement)		x	x	х	х	х	х	x	х				
	Certificate of Occupancy (New Buildings, Additions, Changes in Occupancy)													
VR-F	Construction Final		х	х	х	х	х	х	х	х				
ABBREVIATIONS:	GEOR - Geotechnical Engineer of Record		AOR - A	Architect	of Recor	d		SEOR -	Structur	al Engine	eer of Re	cord		
	MEOR - Mechanical Engineer of Record		EEOR -	Electrica	al Engine	er of Re	cord	CONT	D/B - Cor	ntractor c	or Owner	Builder		
	SP. INSP - Special Inspector	IOR - Inspector of Record Test Lab – Engr. I						. For the	approve	d agency				



355 South Grand Avenue, Suite 1900 Los Angeles, CA 90071

Gavin Newsom, Governor

Testing, Inspection, and Observation Program

SECTION	I H		HCAI	REVIEWED		
Facility #	:	Facility Name	:	Pr	oject #:	Sub #:
11162		Ventura County Medio	cal Center	H202	495-56-00	
NOTE: When a struc and Observation Pro	tural enginee ogram Instruc	r has been delegated responsibili tions visit: https://HCAI.ca.gov/co	ty for a portion of this p nstruction-finance/reso	roject his or her signatu urces/forms-application	re is also required. For testing s-reminder-lists/#TIO	g, Inspection
Submitted By:						
I have reviewed th as "required" on th	ne approved his form.	l construction documents for	this project and all te	sts and special inspe	ections required by Code a	are marked
Jay Lomagno				Jay Lov.	nagno	2/2/2022
Architect/Engineer of	Record (Print	Name)	,	Architect/Engineer of Reco	ord (Signature)	Date
Howard Lam				(Mward)	Xam	9/19/2022
Structural Engineer of	Record (Print	Name)		Structural Engineer of Rec	ord (Signature)	Date
			FOR HCAI USE			
Reviewed by HCAI P	lan Review S	taff:				
Deg	partment of Ha FACILITIES 9/28 La	TIO REVIEWED auth Care Access and Information DEVELOPMENT DIVISION 3/2022, 3:19:09 PM H202495-56-00 aura Baldrati		REVIEWED	REVIEWED WITH COMMENTS	
Note: HCAI plan confirm the appl construction ma	review sta icability of terials sho	ff must provide verification the tests and inspections io wn in the design drawings.	that the TIO progra dentified in the TIO Field staff will issu	m has beeen "Revie program for work s le subsequent "TIO	ewed" prior to plan appr cope, building systems Program Approval".	oval to , and the



355 South Grand Avenue,

Los Angeles, CA 90071

Suite 1900



Testing, Inspection, and Observation Program

SECTION I	TIO PR	OGRAM APPROVAL	
Facility #:	Facility Name:	Project #:	Sub #:
11162	Ventura County Medical Center	H202495-56-00	
NOTE: For t	esting, Inspection and Observation Pr	ogram Instructions visit: www.HCAI.ca.go	v
This program is prepared and general acute care hospitals, ac	d submitted for an OSHPD 1 project. OSH ute psychiatric hospitals, and general acu services	PD 1 projects include all construction and rem te care hospitals providing only acute medical	odel projects for: rehabilitation center
Samples of Test and Inspection	n Reports are: (NOT required for test perfo	rmed by laboratories approved through OPAA	Program)
All test and special inspection repo testing agency per CAC 7-149(a).	rts shall be submitted to the IOR, hospital ow	ner, architect in responsible charge, and the struct	tural engineer by the
Verified compliance reports shall be All reports shall clearly state wheth whether the results indicate compli certification and equipment and sha	e signed by the individual who performed the er the tests or special inspections were perfo ance with those documents per CAC 7-149 (a all obtain approval from the design profession	special inspection(s) as outlined in CAC 7-151 (c) rmed in accordance with the HCAI stamped appro a). All IORs performing special inspections shall he al of record and HCAI prior to perform such work.	ved documents and old the appropriate
NOTE: This Test Inspection and O	bservation Report shall be approved by HCAI	field personnel prior to start of construction.	
Jay Lomagno	C20801	Jay Lomagno	2/2/2022
Architect/Engineer of Record (Print Nar	ne) Professional License #	Architect/Engineer of Record (Signature)	Date
	FOR HCAI FIELD S	STAFF USE	
TIO Program Approved by HCAI Field	l Staff:		
Signature	 Date	APPROVED APPROVED WITH COMMENTS	
Note: HCAI plan review staff r confirm the applicability of the construction materials shown If "Approved with Comments" related construction:	nust provide verification that the TIO p e tests and inspections identified in th in the design drawings. HCAI Field st ' is checked the following comments s	program has been "Reviewed" prior to plan e TIO program for work scope, building sy taff will issue subsequent "TIO Program A hall be resolved by the designer prior to p	approval to ystems, and the oproval". roceeding with the

APPENDIX I

Infection Control Risk Assessment (ICRA) and Interim Life Safety Measures (ILSM)

VCMC PEDIATRIC UNIT

SPEC NO. CP21-04



Pre-Construction Risk Assessment

It is recognized that renovation, construction, and some maintenance and repair activities have the potential to impact patient care processes within the Environment of Care. The purpose of this Pre-Construction risk assessment tool/process is to identify potential risks that could arise from these activities and to develop risk mitigation strategies to minimize these risks. Elements to be considered in this process include, but are not limited to:

- Life Safety Code deficiencies (ILSM)
- Air Quality/Pressure Management (ICRA)
- Utility interruptions/impacts
- Noise
- Vibration
- Environmental Services
- Other Safety Hazards

Prior to the beginning of each identified activity, this assessment tool will be completed by the Pre-construction assessment team. Members of this team will vary with the scope and nature of the work but should include the following:

- Project Manager
- Engineering Representative
- Safety Office Representative
- Infection Prevention Office Representative
- Environmental Services Representative
- Contractor Representative

Others to be considered:

- Department Representative from area being affected
- Risk Management Representative
- Design Team Representative

At the conclusion of the risk assessment process a set of risk mitigation recommendations (RMR) will be generated. These RMRs will be reviewed with the individuals or parties completing the work and will become part of the project documentation.

Project Information:

Tracking #:

Project/Phase Name:

Location/Area Building:	Level:	Room #s:
Department:	Contact:	
Anticipated State Date:	Duration:	
Hospital Project Manager:		
Contractor(s):		
Activity Description:		

Please identify the Departments, Phone #s and contacts for those located in proximity to this work:

Area Above:	Contact:	Phone #:	
Area Below:	Contact:	Phone #:	
Adj. Services:	Contact:	Phone #:	
Adj. Services:	Contact:	Phone #:	
Adj. Services:	Contact:	Phone #:	

Applicable Risk Assessment Elements:

- ☑ Life Safety Code deficiencies (ILSM)
- Air Quality/Pressure Management (ICRA)
- Attach drawing showing locations of the following:
 - Barrier locations and construction type (plastic, gyp, panel, etc.)
 - Construction site entry and contractor travel path to exterior
 - Negative pressure machine location and discharge point
 - Means of monitoring pressure
 - Means of managing dust at entry
- □ Utility interruptions/impacts
- □ Noise & Vibration Assessment
- □ Environmental Services Requirements
- □ Other Safety Hazards:

Life Safety Code / Fire Safety Deficiencies:

Please review each of the following categories and indicate whether they are applicable to the scope of work that is planned. Any "No" answer requires that an interim measure be developed to ensure safety and that the measure be clearly articulated.

		Yes	No
1.	Will the exits in the construction area be maintained in a free and unobstructed manner?		
2.	Will all emergency services to include fire and police have free and unobstructed access to the construction area?		⊠
3.	Will the fire alarm and detection systems be maintained in good working order throughout the construction project? (Note – the fire department must be notified and fire watch instituted if the fire alarm or detection system will be out of service more than 8 hours in any 24-hour period)		⊠
4.	Will the fire suppression systems be maintained in good working order throughout the project? (Note – the fire department must be notified and fire watch instituted if the suppression system will be out of service more than 4 hours in any 24-hour period)		×
5.	Will the project ensure that temporary construction partitions are smoke- tight and built of non-combustible or limited combustible materials that will not contribute to the development or spread of fire?		×
6.	Is smoking prohibited throughout the building and in/near the construction site?		
7.	Will the construction areas be kept free of storage, unnecessary building materials, food waste, and debris from daily operations to reduce flammable and combustible fire load of the building?		
8.	Will the project be free of hot work or other significant ignition sources?		
Α'	'NO" answer to any of the above will necessitate implementation of one or more of the interim measure	s listed bel	low.
		apply	NA
1.	The existing emergency escape routes have been modified as follows:		⊠
2.	Affected departments include the following:		

3.	Emergency responder access will be through the following access point:		
4.	A fire watch will be implemented and Lebanon fire department notified.		⊠
	Fire watch dates/duration:		
5.	Temporary fire alarm or detection equipment provided: Define:		
6.	Temporary fire extinguishing equipment provided:		
	Define:		
7.	Temporary construction partitions will be smoke tight and built of		\boxtimes
	noncombustible materials or limited combustible materials that will not		
	contribute to the development or spread of fire.		
8.	Prohibit Smoking.		\boxtimes
9.	Ensure that unnecessary flammable and combustible materials are removed		\boxtimes
	from the work area at the end of each workday.		
10.	Hot work permits will be developed and requirements followed.		
11.	Provide additional fire drills in the area.		
	Minimum of two per shift per quarter.		
12.	Increased hazard surveillance by Safety, Security, and/or Management Staff.		\boxtimes
	Define area/interval:		
13.	Provide area specific safety training related to the hazards of the project.		
	Define training:	<u> </u>	
14.	Place ILSM Poster at critical access locations.		
15.	Other:		

Sprinkler System Shutdowns / Fire Watch:

Regardless of project involvement, any time the automatic sprinkler system or a portion of it is impaired or shut down for 10 hours or more, a fire watch will be provided or the area evacuated. A fire watch is defined as:

• The assignment of a person or persons to an area for the express purpose of notifying the fire department, the building/area occupants, or both, of an emergency: preventing a fire from occurring, extinguishing small fires; or protecting the public from fire or life safety dangers.

Tracking #:

Infection Control Risk Assessment Construction/Renovation Activity/Risk Group Worksheet

NOTE: Attach a drawing/sketch with the following identified (where applicable):

- Barrier locations and construction type (plastic, gyp, panel, etc.)
- Construction site entry and contractor travel path to exterior
- Negative pressure machine location and discharge point
- Means of monitoring pressure
- Means of managing dust at entry

Please indicate the type of work involved:

Птуре А

Inspections and Non-invasive activities.

Includes activities that do not generate dust or require cutting of walls, drilling, sanding or access to ceilings other than for visual inspection such as:

- □ Removal of ceiling tiles for visual inspection limited to two tiles per 50 square feet
- □ Minor Electrical work
- □ Minor plumbing repairs without solder and torches
- $\hfill\square$ Hardware repair of doors and windows
- □ Sign repair or replacement
- □ Painting (but not sanding) wall covering

□Туре В

Small scale, short duration activities, which will only create minimal dust. Includes, but is not limited to:

- □ Installation of telephone and computer cabling
- \Box Access to chase spaces
- □ Small carpentry ASSEMBLY projects
- □ A maximum of four ceiling tile replacements within 50 square feet
- □ Short duration cutting, drilling, or sanding of very small areas where dust creation is small and migration can be controlled
- □ Minor mechanical repairs; re-lamping; hand-tool operations

□Туре С

Any work which generates a moderate to high level of dust. Any work that requires demolition or removal of any fixed building components or assemblies; any work with adhesives, paints, solvents, thinners and strong cleaners;-any work that takes more than one shift to complete. Includes, but is not limited to:

- □ Sanding of walls for painting or dry wall construction, or of any wall covering
- □ Any drilling of more than a very short duration

- □ Any use of power cutting or sanding tools in patient occupancy areas
- □ Removal of any floor coverings, ceiling tiles, or casework covering more than 20% of the total area
- □ New wall, ceiling, or floor construction
- □ Any above ceiling duct work, plumbing work or electrical work likely to generate moderate amounts of dust
- □ Major cabling activities
- □ Any extensive (greater than 35 square feet) use of cleaners, strippers, paints, solvents, sealers, or adhesives
- □ Any work taking more than eight hours to complete

🛛 Type D

Any project that requires major demolition and/or major re-construction, extended over several days. Includes, but is not limited to:

□ Any significant water damage of carpeting, ceiling tiles, insulation and dry wall that is more than 48 hours old

□ Major demolition

□ Major construction, over several days

 \Box New construction

Please indicate the Patient risk Groups that will be affected:

□ GROUP 1 – Lowest Risk Group

- □ Office areas, lobbies, non-patient corridors
- □ Facility Support (i.e., Engineering, Housekeeping, etc.)
- □ Non-patient care areas not included in Groups 2, 3 or 4

GROUP 2 – Medium Risk Group

- □ Pediatrics*
- □ Patient care units not listed in Groups 3 or 4
- □ Admissions & Public areas
- □ Patient Care lobbies & Corridors
- □ Cafeteria/Kitchen

GROUP 3 – Medium-High-Risk Group

- □ Emergency Department
- □ Radiology/MRI/Nuclear Medicine/Echo
- □ Radiation Oncology
- □ PT Tank areas
- □ Laboratories

□ Newborn Nursery

- Dialysis units
- □ Endoscopy
- □ Outpatient Oncology areas
- □ Radiation Oncology

□ GROUP 4 – Highest Risk

- □ Operating Rooms/PACU/Pre-op hold areas
- 🗆 Cardiac Cath. Lab
- □ Central Sterile Reprocessing
- □ Birthing Pavilion and delivery operating rooms
- □ Intensive Care Units (incl. PICU)
- □ Labor and Delivery (BP)
- \Box ICN
- □ Bone Marrow Transplant Areas
- □ Pharmacy Compounding area
- □ Other areas where invasive surgical procedures may be done such as, ED Trauma Room, clinic procedure rooms, etc.

Please HIGHLIGHT the appropriate Construction/Renovation class:

Risk Level	Туре А	Туре В	Type C	Type D
Group 1	I	II	II	III/IV
Group 2	I	II	III	III/IV
Group 3	I	II	III/IV	III/IV
Group 4	III	III/IV	III/IV	III/IV

Precautions to be considered. Please indicate all that are applicable:

Class I

Prior to beginning work:

Communicate work details with area manager.

During work:

- \Box Execute work by methods to minimize raising dust from construction operations.
- □ Immediately replace any ceiling tile displaced for visual inspection.

Upon completion of work:

□ Wet mop and/or vacuum before leaving work area.

Other:

Class II (In addition to items identified for Class I work)

Prior to beginning work:

- □ Seal unused doors with duct tape; post signage indication that doors are to be kept closed.
- \Box Block off and seal local supply air vents.
- □ Provide filtration at local exhaust or return openings to prevent duct contamination.
- \Box Place dust mat at entrance and exit of work area.
- Establish travel routes for workers, materials and debris.
- □ Re-route staff and patient traffic around work area.

During work:

□ Provide active means to prevent air-borne dust from dispersing into atmosphere.

- $\hfill\square$ Water mist work surfaces to control dust while cutting.
- \Box Contain construction waste before and during transport in covered containers.
- \Box Change dust mats at entrance and exit of work area as needed.

Upon Completion of work:

- \Box Wipe surfaces with disinfectant.
- □ Wet mop and/or vacuum before leaving work area.
- □ Unblock local supply air vents.
- □ Unseal doors, remove signage.

Other:

Class III (In addition to items identified for Class I & II work)

Prior to beginning work:

 $\hfill\square$ Isolate HVAC system in area where work is being done to prevent contamination of the duct system.

- $\hfill\square$ Contain the work area with dust barriers.
- $\hfill\square$ Construct 1-hour rated sheetrock air-tight dust barriers.
- $\hfill\square$ Construct sheetrock air-tight dust barriers.
- □ Construct poly air-tight barriers.
- $\hfill\square$ Work will be completed within a control cube.
- \Box Maintain negative air pressure within work site at a minimum of .01" WG.
- $\hfill\square$ Air to be discharged outside of the building.

 \Box Air will be re-circulated outside of the contained work area/within the building using HEPA equipped air filtration units.

 \Box Provide Critical power circuits for Negative air equipment in the event of a power loss.

□ Provide visual indication of negative pressure.

□ Post ICRA worksheets, controls list and contact information at work entrance.

□ Review site conditions with DHMC Project, Safety, Engineering or Infection Control staff.

During work:

□ Clean waste containers, including wheels, prior to leaving the work area.

□ Monitor and record negative pressure readings daily.

□ Inspect dust barriers daily, record condition.

□ New ventilation systems are to be protected from construction dust until construction work is complete.

Upon completion of work:

□ Do not remove barriers from work area until complete project is thoroughly cleaned by Environmental Services Dept.

□ Review site conditions with DHMC Project, Safety, Engineering or Infection Control staff before removing dust barriers.

□ Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction.

Other:

Class IV (In addition to items identified for Class I, II & III work)

Prior to beginning work:

□ Construct anteroom and require all personnel to pass through this room as they enter and leave the work area. Anteroom will have a negative pressure relationship to the non-construction, adjacent areas.

 $\hfill\square$ Staff will be vacuumed clean prior to leaving the anteroom.

 \Box Staff will wear cloth or paper coveralls that are removed each time they leave the work site.

 \Box All personnel entering work site are required to wear shoe covers.

During work:

No additional requirements

Upon completion of work:

No additional requirements

Other:

Utility Interruptions and/or Impacts:

During the course of the project/Phase activity are any of the following likely to be interrupted or impacted in any area outside of the work area?

Utility	Yes	No	N/A
Water Service			
Sewer Service			
Roof/Storm Drainage			
Normal Power			
Emergency Power			
Ventilation Systems			
Oxygen			
Medical Air			
Medical Vacuum			
Other Med Gas			

• Room number that the sprinkler valve serving the area is located in:

For any of the systems where interruptions are foreseen please explain steps to be taken to mitigate the impacts.

Please document any preventative measures that will be taken to ensure that an unplanned interruption will not occur:

Noise and Vibration Assessment

Please list any activities that will generate noise and/or vibration likely to be disruptive:

Activity:

Time & Duration:

Mitigation Strategies:

Activity:

Time & Duration:
Mitigation Strategies:
Potable Water System Will the water system be shutdown to facilitate the work? \Box Yes \Box No
If yes, explain the flushing program to be implemented prior to occupancy:
Describe the flushing program to be implemented during the project/Phase duration:
Describe other plans to reduce the risk of waterborne pathogen amplification:
Environmental Who is responsible for daily cleaning inside the work area?
Is Terminal cleaning required at the end of each workday?
if yes, who is responsible for reminal cleaning?

Are there any special needs required for terminal cleaning at the end of the project? \Box Yes \Box No

If yes, list special needs:

Communications Required

Please note any special communications that need to be completed before, during or after the project.

Does the Insurance carrier need to be notified of any project activities?	🗆 Yes 🔲 No			
Safety Hazards Please provide a list of any Hazardous Materials used or stored within the	e project area:			
Is the work likely to generate any noxious or unusual odors? If yes, what steps are to be taken to minimize impact?	□Yes □ No			
Are there any known contaminants?	□Yes □ No			
If yes, what steps are to be taken to minimize impact?				

Does the planned work include any of the following?

Confined Space Entry	Excavation requiring protection
Lock Out Tag Out Procedure	Cranes or hoisting equipment
□ Scaffolding	$\hfill\square$ Interruption of normal pedestrian or vehicle traffic

□ Work requiring Fall Protectio □ Live electrical work

Additional Recommendations to reduce/mitigate risk for this work:

Signatures:		Date:
Project Manager		
Engineering Representative	lan McGraw	
Safety Office Representative	Fernando Medina	
Infection Prevention Representative	Magdy Asaad	
Environmental Services Representative	Mike Lopez	
Contractor Representative		
Other		

Ventura County Medical System ILSM ASSESSMENT TOOL

NOTE: REFER TO VUMC POLICY SA-40.10.11 FOR ALL CONSTRUCTION AND RENOVATION ACTIVITIES																	
			STEP #1														
1	OR THE FOLLOWING QUESTIONS, TAK	E THE ACTION	IN THE ASSOCIATED 'NO' OR	R 'YES' COLUMNS TO DETERM						IINE IF ILSM IS REQUIRED VFS							
A.	Will this work restrict EGRESS from the affect	ill this work restrict EGRESS from the affected space?				PROCEED TO STEP B.						Π	.SM I	REQ	UIRF	D	
В.	is the equipment, component, etc., part of a bui	ilding LIFE SAF	ETY system?	ILSM NOT REQUIRED PROCEED TO STEP (Р С.						
С.	is the activity in a PATIENT CARE AREA or	will it affect a PA	TIENT CARE AREA?		ILSN	1 NO	T RE	EQUI	RED)		IL	.SM I	REQ	UIRE	D	
			STEP #2														
Today's	Date: Building:		Project	Loc.:													
Star	Date: Comp. Date:	Project N	fgr.:														
Project/	WO Number:	Project Name:															
Specific	Deficiency and Location																
			STEP #3														
USE	THE CRITERIA BELOW TO DETERMINE	THE APPROPR	IATE INTERIM LIFE SAFETY (INSPECTION ACTIVITIES	ILSN	1) FC	OR CO	ONST	FRU	CTIO	DN, N	IAIN	ITEN	IANC	CE, R	EPA	IR, C	DR
Unless	otherwise noted below, these requirements app the current shift (grea	ply to impairmen ater than 8 hours	ts of a duration extending beyond	ILSM	ILSM	ILSM	IL.SM	ILSM	ILSM	ILSM	ILSM	IL.SM	ILSM	ILSM	ILSM	ILSM	ILSM
Check	all the apply.			1	2	3	4	S	6	7**	8	9	10	11	12	13	14
	Any impairment of a required egress less than 4 h	ours							Х					Х			Х
	Any impairment of a required egress greater than	1 4 hours		X	37	Х		X	X	X	X	X	X	X	Х	X	
┝──┦	Fire Attention ALARM system impairment great	er than 4 hours *	••	X	х			X	X	X	X	X	X	X		X	
╞──╂	Problem with a single fire or smoke door bardwa	man 10 nours		х				Х	X	х	х	Х	Х	X		х	
╞──╊	Fire or smoke barriers with unprotected penetrati	ons							Х					Х			
	Missing or incomplete fire or smoke barriers				-	Х			Х	Х		Х		Х			
	Missing or impaired NFPA 101 required fire or s	moke dampers				Х			Х	Х		Х		Х			
-	Hazardous use areas not properly separated from	corridors				Х			Х	Х		Х		Х			
·	Accumulation of combustibles and/or materials			Х		Х	Х		Х					Х			
,	Temporary construction doors not latching or mi	ssing hardware				Х			Х					Х			
	Activity involving ignition sources (welding, torc	hing)		Х		Х			Х	Х				Х		Х	
	Major utility failure or outage affecting a life safe	ty system greater	than 4 hours	Х	Х	Х		Х	Х	Х		Х	Х	Х	Х	Х	
l	Multiple LS impairments within the same fire or	smoke zone	0.6	X	() II	X		Х	Х	Х	Х	Х	Х	Х	Х	Х	
Stairwe	ll or elevator shaft pressurization, Smoke manage	ement or smoke c	ontrol systems, Unlocking of doors, STEP #4	Elev	ator 1	recall	and s	hutd	own,	and I	HVA	C shu	itdow	'n.			
		INTERIM LIF	E SAFETY IMPLEMENTATION	ME.	ASUI	RES											
ILSM1	Inspect exits in affected areas on a daily basis	and resolve probl	ems immediately.														
ILSM2	Provide temporary but equivalent fire alarm a	and detection system	ems for use when a fire system is im	paire	d.												
ILSM3	Provide additional firefighting equipment as r	needed.															
ILSM4	Use temporary construction partitions that are spread of fire.	e smoke-tight, or	made of noncombustible or limited-	comb	oustib	le ma	terial	that	will r	iot co	ontrib	ute to	o the	devel	opme	nt or	
ILSM5	Increase surveillance of buildings, grounds, an	nd equipment, giv	ing special attention to construction	1 area	s and	stora	ige, e	xcava	ation,	and	field	office	s.				
ILSM6	Enforce storage, housekeeping, and debris-rer	noval practices th	at reduce the buildings flammable a	nd co	ombu	stible	fire l	oad t	o the	lowe	st fea	sible	level.	_	_		
ILSM7	Provide additional training on use of firefighting equipment, impaired structural or fire safety features, temporary measures implemented, construction hazards, and building deficiencies. (NOTE: ILSM7 requires VEHS notification. Additional staff training is required for project duration exceeding 8 hours.)																
ILSM8	Conducts one additional fire drill per shift per quarter as called for by policy, best practice, or at the discretion of the VUMC Safety Officer.																
ILSM9	Inspect and test ILSM systems monthly or once per project if the duration is less than one month.																
ILSM1	10 Notify the local fire department and internal responders of the ILSM steps in place using the Interim Life Safety Measures form as required.																
ILSM1	1 Notify the occupants in the area of the deficie	ncy and the ILSN	I steps in place using the Interim Li	fe Sat	ety №	leasu	res fo	orm a	s requ	iired.							
ILSM1	SM12 Install signage identifying the location of alternate exits to everyone affected.																
ILSM1	SM13 Refer to policy SA 10-10.08 "Fire Watch Policy" (The Fire Watch Policy may require a time limit less than 8 hours.)																
ILSM14 Blocked egress paths are never left unattended.																	
Name of	Name of Person(s) Completing this Assessment Date the assessment was completed																
Name of	lame of Person(s) Reviewing this Assessment Date the review was completed																

APPENDIX J

Centrak Security System

VCMC PEDIATRIC UNIT

SPEC NO. CP21-04

NOTES:

Labeling is VERY IMPORTANT!! Any cable not labeled according to the following instructions will result in a back charge to the contractor responsible for the cable pull.

Cable Pull Instructions:

Please reference the shop drawings for device number locations. At the panel / power supply / network switch location, every cable shall be identified as to which device the cable runs to. At each device, the cables coming into the device shall be labeled "IN" and also with that particular device number. The cables leaving the device (on chained devices) shall be labeled "OUT" and have the number of the device in which they are going to. THIS IS CRITICAL FOR PROPER DEVICE INSTALLATION AND FUTURES SERVICE.

All cable runs must be properly placed in conduit, wire trays, J-hooks, or secured in a manner that it is not "draped" on the ceiling grid and shall be secured accordance to code and EIA/TIA standards. No low voltage cable may be secured to any support that also supports electrical. All fire wall penetrations must be fire calked or approved fire pass throughs. All cables that pass through metal, such as a J-box or sleeve, must be protected from the metal edge using a code approved bushing or connector.

All cable pulls require a 10-foot service loop in and a 10-foot service loop out (on chained devices).

Ethernet Lines:

Each device requiring an Ethernet cable is a home run to its appropriate panel or switch. Each run MUST NOT exceed the EIA/TIA standard of 300 feet. Ethernet cables will be terminated using either a RJ45 keystone type jack or RJ45 male connector dependent on the specific application location and will be terminated using EIA/TIA T568B standard. Ethernet cables should be labeled at the network switch side with the device number that they go to. Ethernet cables should be labeled at the device side with the network switch location. Workstations locations may require a face plate or other appropriate cable mounting component and should be labeled with the workstation ID.

Emergency Power:

E-Power is a requirement at all power supply locations, PC locations, Server locations and network hardware locations; including standard and PoE switches.

Remote Access:

The owner is responsible for providing AMI with a 24/7 remote access to the system server and client workstations. This will be required before software can be loaded on server.

RF Coverage Notes:

- RF survey must be completed prior to cable pulls or RF device deployment.

- STAR COUNT MAY INCREASE BASED ON RF SURVEY
- A final design must be completed prior to cable pulls and device deployment.
- Timing Stars to be added on plans after installation of the devices.
- Power supplies to be added on plans after installation of the devices.

IR Coverage Notes:

- IR survey must be completed prior to hardware deployment.

- HARDWARE COUNTS MAY INCREASE BASED ON IR SURVEY.

- A final IR design must be completed prior to deployment; the customer and partner must approve design prior to deployment.

CENTRAK DEVICE AND WIRING LEGEND							
SYMBOL	DESCRIPTION	WIRE TYPE	NOTES	DETAIL			
	POWER SUPPLY	VARIOUS	ALL CABLES AND FIBER PROVIDED BY OTHERS	SE-4.01 / A			
\bigcirc	STARS	PLENUM CAT6	ALL CABLES AND FIBER PROVIDED BY OTHERS	SE-4.01 / B			
RE	RANGE EXTENDER	18/2 CABLE	ALL CABLES AND FIBER PROVIDED BY OTHERS	SE-4.01 / C			
DC	DOOR CONTROLLER	PLENUM CAT 6 18/4 CABLE 18/2 CABLE	ALL CABLES AND FIBER PROVIDED BY OTHERS	SE-4.01 / D			
KP	KEYPADS	(RJ12 6PIN CABLE)	CONVERGINT PROVIDED CABLE	SE-4.01 / E			
A	DOOR CONTACT	18/2 CABLE	INSTALLED BY OTHERS	SE-4.01 / G / H			
Μ	MONITORS	BATTERY	BATTERY OPERATED / NO CABLES	SE-4.01 / I / J			
<u></u>	VIRTUAL WALLS	BATTERY	BATTERY OPERATED / NO CABLES	SE-4.01 / K / L			
< LF>	LF - ANTENNAS	(BNC RG58)	CONVERGINT PROVIDED CABLE	SE-4.01 / M / N			
WS	WORKSTATION	PLENUM CAT6	ALL CABLES AND FIBER PROVIDED BY OTHERS	SE-4.01 / P			
Network Switch	NETWORK SWITCH	PLENUM CAT6 FIBER	ALL CABLES AND FIBER PROVIDED BY OTHERS SINGLE MODE FIBER WITH LC TERMINATIONS				

	SE-0.01	TITI
	SE-1.01	LIN
	SE-2.01	CEN
	SE-2.02	NE
	SE-4.01	MO
(

DRAWING INDEX

LE SHEET

E DIAGRAM

ENTRAK INFANT SECURITY SYSTEM 2ND FLOOR PEDIATRIC UNIT

TWORK SWITCH LOCATION 2ND FLOOR

UNTING DETAIL

Date









2nd. Floor - Pediatric Unit

Wire Legend

(Plenum Cat 6) (18/4 Cable) (18/2 Cable) (BNC RG58 - (Included with LF Antenna)-) (RJ12 6PIN Cable -(Included with keypad)-) (Fiber Optics) Single mode fiber with LC terminations



ST-15

RE	RE
RE-1006	RE-1007

Date:





DEVICE LEGEND	
Security Solutions Hardware Icons	
	Power Supply
DC	Door Controller
RE	Range Extender
(LF)	LF-Antennas
KP	Keypads
WS	Workstation
A	Door Contact
\bigotimes	Stars
Μ	Monitors
	Virtual Walls
Netw.	Notwork Switch






APPENDIX K

Access Control and Closed Circuit TV Systems

VCMC PEDIATRIC UNIT

SPEC NO. CP21-04

ACCESS CONTROL / CCTV SHOP DRAWINGS **COAST IT SYSTEMS**

SHEET TITLE COVER SHEET

#

3

4

5

6

8

9

SHEET INDEX

GENERAL INFORMATION SECURITY DEVICE LAYOUT IP VIDEO DEVICE LAYOUT RISER DIAGRAM AND SCHEDULES STAND ALONE DOOR INTERCOM DETAIL ACCESS CONTROL DETAILS ACCESS CONTROL DOOR DETAILS CCTV MOUNTING & WIRING DETAIL

> ELECTRICAL CONTRACTING LICENSE #1090729 (C-10) 1746-F VICTORIA AVENUE #170, CA 93003 Phone (805) 201-8942

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SHEET No.
SE-001
SE-002
SE-101
SE-102
SE-201
SE-301
SE-302
SE-303
SE-304
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VENTURA COUNTY MEDICAL CENTER FAINER BUILDING - 2ND FLOOR

ABBREVIATIONS

(E)	EXISTING
AFF	ABOVE FINISHED FLOOR
ANMW	GEL-FILLED UNDERGROUND CABLE
С	CONDUIT
CAT	CATEGORY
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
COAX	COAXIAL
EA	EACH
FDU	FIBER OPTIC DISTRIBUTION UNIT
FT	FOOT, FEET
HH	HANDHOLE
IDF	INTERMEDIATE DISTRIBUTION FRAME
IN	INCH, INCHES
IT	INFORMATION TECHNOLOGY
LAN	LOCAL AREA NETWORK
LC	FIBER OPTIC CONNECTOR
LV	LOW VOLTAGE
MDF	MAIN DISTRIBUTION FRAME
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OSP	OUTSIDE PLANT
PBX	PRIVATE BRANCH EXCHANGE
POE	POWER OVER ETHERNET
PTZ	PAN, TILT, ZOOM
QTY	QUANTITY
RFI	REQUEST FOR INFORMATION
RM	ROOM
SC	FIBER OPTIC CONNECTOR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
W/	WITH
W/O	WITHOUT
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WI-FI	WIRELESS FIDELITY
WP	WEATHERPROOF

SEQUENCE OF OPER

1. ENTRY - PRESENTING A VALID CARD TO TH
THE ACCESS CONTROL SYSTEM TO MO
DOOR POSITION SWITCH AND CLOSE A
24VDC TO THE ELECTRIFIED LOCKSET,
ALLOWING ENTRY. EXIT - TURNING THE
HANDLE ON THE ELECTRIFIED LOCKSET
POSITION SWITCH, ALLOWING EGRESS
DOOR OPEN ALARM ON THE ACCESS CO
ALARM - IF THE DOOR IS FORCED OPEN
VALID CARD OR REQUEST TO EXIT, OR
GREATER THAN 30 SECONDS, OR IF AN
TO THE CARD READER, AN ALARM IS GE
CONTROL WORKSTATION (SILENCE TON
2. ENTRY - PRESENTING A VALID CARD TO T
THE ACCESS CONTROL SYSTEM TO MO
DOOR POSITION SWITCH AND OPEN A R
REMOVES 24VDC FROM THE ELECTROM
THE DOOR AND ALLOWING ENTRY. EXIT
NEARS THE REQUEST TO EXIT PIR DEVI
ACCESS CONTROL SYSTEM REMOVES 2

ELECTROMAGNETIC LOCK AND MOMEN POSITION SWITCH, ALLOWING EGRESS DOOR OPEN ALARM. ALARM - IF THE DO WITHOUT THE USE OF A VALID CARD C DETECTION, OR IF THE DOOR IS HELD SECONDS, OR IF AN INVALID CARD IS F READER, AN ALARM IS GENERATED ON WORKSTATION (SILENCE TONE, ACKNO

- 3. MONITORED ONLY DOORS ARE PROGRAI ALLOW THE DOORS TO BE OPENED. IF OPENED DURING AN ALARM TIME, AN A ACCESS CONTROL WORKSTATION (SIL ALARM).
- 4. PRESSING A DURESS BUTTON GENERATE ACCESS CONTROL WORKSTATION (SIL ALARM).
- 5. PRESSING A DOOR INTERCOM CALL BUT INTERCOM STATION TO ESTABLISH TWO ONCE COMMUNICATION IS ESTABLISHE STATION CAN MOMENTARILY UNLOCK BYPASS THE DOOR POSITION SWITCH

NOTE: This is a standard symbol list and not all items listed may be used.

GENERAL SECURITY NOTES

- A. SECURITY RACEWAYS, TRAYS, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. LOCATIONS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. FIELD COORDINATE ALL WORK WITH OTHER TRADES.
- B. CONSTRUCTION DETAILS SHOW TYPICAL INSTALLATION UNLESS SPECIFICALLY NOTED, AND APPLY TO ALL SECURITY WORK INCLUDED IN THE SUMMARY OF WORK FOR THIS PACKAGE EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE PLAN DRAWINGS.
- 2. THE SECURITY (Q) DRAWINGS ARE PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF DRAWINGS LISTED BY THE "INDEX OF DRAWINGS." PARTIAL SETS OF DRAWINGS NOT INCLUSIVE OF ALL DISCIPLINES ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED.
- D. INSTALL PULL STRINGS IN ALL CONDUITS AT THE TIME OF CONDUIT AND CABLE INSTALLATION.
- E. COORDINATE ALL DOOR ACCESS CONTROL FUNCTIONS WITH ADA DOOR ACTUATOR FUNCTION SUCH THAT DOOR MOTOR WILL NOT OPERATE WITHOUT PRIOR VALID CARD READ DURING SECURE MODE OPERATION.
- F. THE SECURITY SHEETS INCLUDE REQUIREMENTS FOR "OWNER SECURITY SYSTEMS" INCLUDING BUT NOT LIMITED TO NORTH AND SOUTHBOUND LPR SYSTEMS, PORT RUNNER SYSTEMS, RPM SYSTEMS, LED DYNAMIC SIGNAGE SYSTEMS.
- G ALL DEVICES SHOWN ON THE DRAWINGS ARE TO BE PROVIDED AND INSTALLED UNLESS SPECIFICALLY NOTED OTHERWISE IN THE SHEET NOTES.

IF APPLICABLE SEE SPECIFICATIONS THE FOLLOWING GENERAL NOTES ARE APPLICABLE AS STATED BELOW. EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE ON THE DRAWINGS NOTE THAT THE SYMBOLOGY IS DIAGRAMMATICAL AND ANY DETAIL SHOULD BE REFERENCED FOR INITIAL PREPARATION AND FINAL INSTALLATION

- 1. SC SHALL WIRE TO "WIRED HINGE" AT ACCESS CONTROLLED DOOR. HINGE WIRE TO LOCK TERM BY DOOR HARDWARE CONTRACTOR
- 2. 120 VAC 60HZ 20 AMP UON EXTENDED FROM NEAREST ELECTRICAL CIRCUITS SERVING THE SECURITY SYSTEM
- 3. SPECIALTY BACK BOXES FURNISHED BY SC AND INSTALLED BY EC
- 4. CONDUIT AND STANDARD BACK BOXES WITH PULL STRING FURNISHED AND INSTALLED BY EC
- 5. WALL MOUNTED CARD READERS, PUSH BUTTONS, PANIC SW, KEYPADS AND KEY SWITCHES MOUNTED AT SAME HEIGHT AS LIGHT SWITCHES (48") UON 6. CONDUIT FOR FUTURE USE TO BE FILLED WITH PULL LINE. PROVIDE LABELING ON EACH END OF THE PULL LINE TO INDICATE LOCATION OF OTHER END
- 7. ALL CONDUIT SHALL BE 3/4" MINIMUM UON BY EC
- 8. ALL CONDUIT GUTTERS RACEWAYS TRAYS BY EC 9. ALL CORING PENETRATIONS AND FIRE STOP BY EC
- 10. ALL HIGH-VOLTAGE BY EC
- 11. ALL STUBS TO ACCESSIBLE CEILING AND OR AREA BY EC
- 12. ALL CONDUIT CONNECTIONS TO INCLUDE INTEGRAL PROTECTIVE BUSHINGS OR CHASE NIPPLES
- 13. EC TO INSTALL ALL CONDUIT AND BOXES PER NEC. 14. ALL WIRING TERMINATIONS PER MANUFACTURES GUIDELINES PRIOR TO POWER ON
- 15. PAINTING, PATCHING AND FINISHES, OF MATERIALS AND DEVICES, AS APPROVED BY THE OWNER
- 16. PREFER TO ARCHITECTURAL DRAWINGS FOR WALL PENETRATION REQUIREMENTS 17. ALL CAMERA CABLES IN THE STAIRWELLS AND ELEVATOR LOBBIES SHALL BE ROUTED TO THE FIRE COMMAND CENTER ON THE GROUND FLOOR.
- ALL CAMERA CABLES TO MAINTAIN 2HR SURVIVABILITY.

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REFERENCE SYMBOLS

DETAIL NUMBER AND SHEET LOCATION

KEYED NOTES

EQUIPMENT

- 2-POST EQUIPMENT RACK

- MAJOR EQUIPMENT, CABINETS OR PANELS
- SINGLE-SIDED VERTICAL WIRE MANAGEMENT
- 4-POST EQUIPMENT RACK DOUBLE-SIDED VERTICAL WIRE MANAGEMENT

RATIONS		RACEWAYS			
THE CARD READER CAUSES DMENTARILY BYPASS THE RELAY CONTACT THAT SENDS	× TITIK	CABLE RUNWAY, WIDTH AS INDICATED	SYMBOL	DESCRIPTION ACCESS CONTROL PANEL	
UNLOCKING THE DOOR AND E REQUEST TO EXIT LATCH T BYPASSES THE DOOR		WIRE BASKET TYPE CABLE TRAY, WIDTH AS INDICATED		CARD READER RECESSED DOOR CONTACT	
ONTROL WORKSTATION. N WITHOUT THE USE OF A		3 / 4" CONDUIT AND CONDUCTORS ABOVE GRADE (UON)		REQUEST TO EXIT (REX) ELECTRIC LOCK PROVIDED BY OTHERS (P.B.O.)	T T ž
IF THE DOOR IS HELD OPEN I INVALID CARD IS PRESENTED ENERATED ON THE ACCESS		CONDUIT AND CONDUCTORS BELOW GRADE OR		ELECTRIC STRIKE PROVIDED BY OTHERS (P.B.O.) DOOR RELEASE BUTTON PROVIDED BY OTHERS (P.B.O.)	
NE, ACKNOWLEDGE ALARM).	•	CONDUIT DOWN	SJB AUTO-ØF	SECURITY JUNCTION BOX (E) - EXISTING AUTO OPERATOR PROVIDED BY OTHERS (P.B.O.)	
DMENTARILY BYPASS THE RELAY CONTACT THAT		CONDUIT SLEEVE		•	, ,
T - WHEN A PERSON EXITING (ICE AND IS SENSED, THE	O	CONDUIT UP	SYMBOL	DESCRIPTION	
24VDC FROM THE NTARILY BYPASSES THE DOOR WITHOUT GENERATING A	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CONDUIT/WIRING CONTINUATION	VICI IC-PS	INTERCOM MASTER STATION	
OOR IS FORCED OPEN OR REQUEST TO EXIT OPEN GREATER THAN 30	~~~~~~	FLEXIBLE CONDUIT	VIC/CR	INTERCOM DOOR STATION WITH CARD READER DOOR RELEASE RELAY	
THE ACCESS CONTROL OWLEDGE ALARM).	●	GROUNDING POINT			ř
MMED BY TIME OF DAY TO A MONITORED ONLY DOOR IS		HANDHOLE	SYMBOL	DESCRIPTION	
ENCE TONE, ACKNOWLEDGE	SP	SECURITY PULL BOX		CEILING - FIXED DOME CAMERA	4
ES AN ALARM ON THE ENCE TONE, ACKNOWLEDGE		SURFACE RACEWAY	CEILING MOUI 1001 = F	NT PTZ DOME CAMERA	
TON CALLS THE MASTER	0	IN-GROUND VAULT		-CAMERA NUMBER -FLOOR	
O-WAY COMMUNICATION. ED, THE MASTER INTERCOM THE ASSOCIATED DOOR AND		FIRE TREATED PLYWOOD BACKBOARD			
AS A VALID ENTRY.	0	UTILITY POLE	CABLE IDENTIFIER	CONDUCTORS	DE
		TELEPHONE/DATA POWER POLE	A a a B M	a1 3P 18AWG. ST, SH a2 4C 18AWG TW, ST,SH a3 2C 18AWG TW, ST,SH a4 4C 18AWG TW, ST,SH 2C 18AWG TW, ST 2C 18AWG TW, ST	CAR REQUE DOOR SW DOOR ALAF IN1
			N / P R	4PR 23 AWG TW, SOILD, CA 2C 16AWG TW, ST 3PR 18AWG TW, ST, SH	16a NE LOW VC CAR

SECTION NUMBER AND SHEET LOCATION

300 HILLMONT AVENUE VENTURA, CALIFORNIA 93003

CCESS CONTROL DEVICE LEGEND						
PART NO. MA	NUFACTURER		CABLE TAG	WIRE	NOTES	
AR008-2UW	SOFTWARE HOUSE		P.B.O. N	120VAC0 - 20AMP CKT LAN/ WAN CONNECTION		
224DC16CB	ALTRONIX		EXISTING 12	0VAC0 - 20AMP CKT		
	HID		a1 	3P 18AWG. ST, SH -		
	NASCOM		a3 	2C 18AWG TW, ST,SH -		
EX-LT.NL KA	NTECH		a2 	4C 18AWG TW, ST,SH -		
			a4 	4C 18AWG TW, ST,SH		
			a4 	4C 18AWG TW, ST,SH -		
			B 	2C 18AWG TW, ST -		
			B 	2C 18AWG TW, ST -		

INTERCOM DEVICE LEGEND

PART NO. MA	NUFACTURER	CABLE TAG	WIRE	NOTES
	AIPHONE	 3M N	2C 18AWG TW, ST LAN/ WAN CONNECTION	BACKBOX 3 GANG & SUPPLIED BRACKET
S-24OUL AIPH	ONE	 P.B.O. 120	/AC0 - 20AMP CKT	
	AIPHONE	 M 2C 18/	WG TW, ST	BACKBOX SUPPLIED WITH STATION
	AIPHONE	 4B	2C 18AWG TW, ST	

IP VIDEO DEVICE LEGEND

PART NO. MA	NUFACTURER	CABLE TAG	WIRE	NOTES
Ci210-D013	AMERICAN DYNAMICS	N	LAN/ WAN CONNECTION	
Ci625-P132 /	MERICAN DYNAMICS	N P	LAN/ WAN CONNECTION 16 / C POWER CABLE	NOUSING ADCi6PFMKIWS

CEILING MOUNT FIXED DOME CAMERA 1001 = FLOOR AND CAMERA NUMBER CAMERA NUMBER

CABLE DESIGNATION / TYPE

/ICE TYPE MAX	K. DISTANCE I	IANUFACTUR	NON-PLEMU	OVERALL IN NOMINAL DIAMITER	MANUFACTU	RE PLENI	OVERALL JMOMINAL DIAMITER
D READER							
EST TO EWXIT	500'		529AES	0.516			:40
VITCH / CONTA	CT	DELDEN	330AF3	0.510	DELDEN 0	DOAFS 0.0	942
LOCK POWER							
RM CIRCUIT	500'	BELDEN	5300UE	0.158	BELDEN 6	800UE 0.1	54
ERCOM	500'	AIPHONE 8	2220250C	0.117			
TWORK	328'	BELDEN	10GX12	0.295	BELDEN 1)GX13 0.:	295
LTAGE POWER	R 500'	BELDEN	5200UE	0.18	BELDEN 6	200UE 0.1	76
D READER	500'	BELDEN	5342FE	0.267	BELDEN 6	342FE 0.2	82

NOTE: CABLE INSTALLED BELOW GRADE SHALL BE RATED FOR IMMERSION IN WATER

SECURITY DRAWING INDEX

SHEET NUMBER: SHET TITLE:					
SE-001	COVER SHEET, GENERAL INFORMATION				
SE-101	SECURITY DEVICE LAYOUT - FLOOR PLAN				
SE-102	IP VIDEO DEVICE LAYOUT - RCP PLAN				
SE-201	RISER DIAGRAM AND SCHEDULES				
SE-301	STAND ALONE DOOR INTERCOM DETAIL				
SE-302	ACCESS CONTROL DOOR DETAIL				
SE-303	CCTV MOUNTING & WIRING DETAIL				

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		SHEET	INFORMATION:
Original Size	30x42		
Drawn By	J BRANT		
Reviewed By	B. PEPPE		
Scale			
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	CCTV AND NETWORK TERMINATION SCHEULE																		
BUILDING	LEVEL	CAMERA ACCESS PANEL WORKSTATION INTERCOM	DESCIPTION	CAMERA DETAIL	FIXED / PTZ	CAMERA	RESOLUTION	LENS	MOUNT TYPE	ACCESSORIES	POWER REQUIRMENTS	CABLE TYPE	WIRE LABEL	COMM CLOSET	POWER SUPPLY OUTPL	T NETWORK PORT TYPE	SWITCH	IP PORT ADDRESS	NOTES
	LEVEL 2	2001	CORRIDOR 2C56	Α	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2001/N	SC02.1		10/100 POE	2C02.1	1	
	LEVEL 2	2002	PEDS 2C03	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	Ν	2002/N	2C02.1		10/100 POE	2C02.1	2	
	LEVEL 2	2003	PEDS 2C03	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	Ν	2003/N	2C02.1		10/100 POE	2C02.1	3	
	LEVEL 2	2004	PEDS 2C05	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	Ν	2004/N	2C02.1		10/100 POE	2C02.1	4	
	LEVEL 2	2005	PEDS 2C07	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2005/N	2C02.1		10/100 POE	2C02.1	5	
	LEVEL 2	2006	PEDS 2C09	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	Ν	2006/N	2C02.1		10/100 POE	2C02.1	6	
	LEVEL 2	2007	PEDS 2C09	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	Ν	2007/N	2C02.1		10/100 POE	2C02.1	7	
	LEVEL 2	2008	PEDS 2C13	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2008/N	2C02.1		10/100 POE	2C02.1	8	
	LEVEL 2	2009	PEDS 2C15	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	Ν	2009/N	2C02.1		10/100 POE	2C02.1	9	
	LEVEL 2	2010	PEDS 2C17	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2010/N	2C02.1		10/100 POE	2C02.1	10	
	LEVEL 2	2011	CORRIDOR 2C58	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	Ν	2011/N	2C02.1		10/100 POE	2C02.1	11	
VENTURA COUNTY MEDICAL	LEVEL 2	2012	PEDS 2C20	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2012/N	2C02.1		10/100 POE	2C02.1	12	
CENTER FAINER BUILDING	LEVEL 2	2013	PEDS 2C22	Α	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	Ν	2013/N	2C02.1		10/100 POE	2C02.1	13	
	LEVEL 2	2014	PEDS 2C24	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2014/N	2C02.1		10/100 POE	2C02.1	14	
	LEVEL 2	2015	PEDS 2C26	A	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2015/N	2C02.1		10/100 POE	2C02.1	15	
	LEVEL 2	2016	PEDS 2C28	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2016/N	2C02.1		10/100 POE	2C02.1	16	
	LEVEL 2	2017	PEDS 2C30	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2017/N	2C02.1		10/100 POE	2C02.1	17	
	LEVEL 2	2018	PEDS 2C30	A	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2018/N	2C02.1		10/100 POE	2C02.1	18	
	LEVEL 2	2019	CORRIDOR 2C58	А	FIXED	ADCi210-D013	D1.2CIF.CIF	3-9mm	INTERIOR CEILING		PoE(7W)	N	2019/N	2C02.1		10/100 POE	2C02.1	19	
	LEVEL 2	2001	CORRIDOR 2C56	В	PTZ	ACDCi625-P132	1080P	20x Optical Zoom	INTERIOR CEILING	ACDCI6PFMKIWS	25.50W Max	N,P	2001/N,P	2C02.1	2C02.1 8	10/100 POE	2C02.1	20	
	LEVEL 2	2002	CORRIDOR 2C57	В	PTZ	ACDCi625-P132	1080P	20x Optical Zoom	INTERIOR CEILING	ACDCI6PFMKIWS	25.50W Max	N,P	2002/N,P	2C02.1	2C02.1 8	10/100 POE	2C02.1	21	
	LEVEL 2	2003	CORRIDOR 2C58	В	PTZ	ACDCi625-P132	1080P	20x Optical Zoom	INTERIOR CEILING	ACDCI6PFMKIWS	25.50W Max	N,P	2003/N,P	2C02.1	2C02.1 8	10/100 POE	2C02.1	22	
	LEVEL 2	2004	CORRIDOR 2C59	В	PTZ	ACDCi625-P132	1080P	20x Optical Zoom	INTERIOR CEILING	ACDCI6PFMKIWS	25.50W Max	N,P	2004/N,P	2C02.1	2C02.1 8	10/100 POE	2C02.1	23	
	LEVEL 2	2C02.1ACC1	ELECTRICAL ROOM 2C02.1 ACCESS CONTROL PANEL 1								120VAC	N	2C02.1ACC1/N	2C02.1		10/100	2C02.1	24	

FAINER BUILDING LEVEL 2

		-					ACCESS CONTROL PAN	IEL (ACP) S	CHEDULE					
DES	CRIPTION:	ACCESS C	ONTROL PA	ANEL # 1-2C02.1										
LOC	ATION:	ELECTRICAL CLOSET 2C02.1												
MOI	DEL:	SOFTWARE HOUSE STAR008-2UW												
ISTA	R MAC / IP:		_											
								-						
		T	I	ACM #1				4						
	TERMINAL		DEVICE ID	DESCRIPTION	DEVICE TYPE		NOTE	4						
	Door 1	LEVEL 2	2C56-A	CORRIDOR 2C56	CR									
	Door 2				CR			-						
RS	Door 3		SC51-A	MEDS SC51	CR			4						
Ы	Door 4		S2C58-A	CORRIIDOR 2C58	CR			-						
REZ	Door 5	LEVEL 2	52C32-A	PLAYROUW 2C32	CR			-						
	Door 6							-						
	Door 7							-						
	Door 8													
	Door 1 INI							1						
			2C56-A	CORRIDOR 2C56	(2) DC			-						
						l		1						
		LEVEL 2	2056-4		IC		NURSE 2CAA & 2CAQ							
	Door 1 -INI4	LEVEL 2	2058-4	CORRIDOR 2C58	DC			1						
	Door 2 -IN5	I FVFL 2	2C56-A	MADS 2C51	DC			-						
	Door 3 -IN6	I FVFL 2	2C58-A	COBBIDOR 2058	DC			-						
	Door 1 -IN7	LEVEL 2	2C56-A	CORRIDOR 2200 1	RX			-						
T	Door 2 -IN8	LEVEL 2	2C51-A	CORRIDOR 2200.1	RX			1						
U U U	Door 3 -IN9	LEVEL 2	SC58-1	CORRIDOR 2200.1	RX									
					10		DOOR RELEASE MASTER							
	Door 2 -IN10	LEVEL2	2C58-A		IC		NURSE 2C44 &2C49							
	Door 3 -IN11							1						
	Door 4 -IN12													
	Door 5 -IN13							1						
	Door 6 -IN14							1						
	Door 7 -IN15													
	Door 8 -IN16													
		-						_						
	Door 1 - L1	LEVEL 2	2C56-A	CORRIDOR 2C56	LPS #1									
	Door 2 - L2	LEVEL 2	2C51-A	MEDS 2C51	LPS #1									
	Door 3 - L3	LEVEL 2	SC58-1	CORRIDOR 2C58	LPS #1									
put	Door 4 - L4													
nd l	Door 5 - L5													
Ĭ	Door 6 - L6													
	Door 7 - L7													
	Door 8 - L8													
							PLOCK POWER SUPPI	LY (LPS) SCI	HEDULE					
DES	CRIPTION:	LOCK PO	NER SUPPL	Y LPS#1										
LOC	ATION:	ELECTRIC	AL CLOSET	2C02.1										
MO	DEL:	ALTRONI	K R1224DC2	16CB										
OUT	PUT:	24VDC	_											
		1		ACM8I #2	1	1				1		ACN	//81 #2	
	TERMINAL	LEVEL	DEVICE ID	DISCRIPTION	DEVICE TYPE	HW	NOTE	TERN	/INAL	LEVEL	DEVICE ID	DISCRIPTION	DEVICE TYPE	<u> H\</u>
	N.P-1a	LEVEL 2	2C56-A	CORRIDOR 2C56	(2) EL			4	N.P-3a				ļ	<u> </u>
	N.P-1b	LEVEL 2	2C51-A	MEDS 2C51	EL				N.P-3b	-				<u> </u>
<u></u>	N.P-1c	LEVEL 2	SC58-1	CORRIDOR 2C58	EL			- <u></u>	N.P-3c	-				<u> </u>
<u>b</u> r	N.P-1d	-						but	N.P-3d	-				<u> </u>
or or	N.P-2a							out out	N.P-4a					
	N.P-2b								N.P-4b					
	N.P-2c								N.P-4c					──
	N.P-2d								N.P-4d					

1 <u>CCTV & ACCESS CONTROL SYSTEMS NETWORK TERMINATION SCHEDULE</u>



2 SECURITY RISER DIAGRAM





82C02.1 ELECTRICAL ROOM RACK LAYOUT

1. RACK SHOWS ACCESS/CCTV SYSTEM SPACE REQUIREMENTS ONLY. 2. RACKS ARE SUPPLIED BY OTHERS.

7Typical PIR Request to Exit Wiring Kantech: T.REX-LT/T.REX-PLATE (1.75" x 7.125" x 1.875")

• WIEG+ • WIEG+ • RM8+12V • GND • GND • RM8+12V • DATA 0 • DATA 0 • RM8+12V • DATA 0 • DATA 0 • RM8+12V • DATA 0 • DATA 0 • RM8D+ • DATA 1 • DATA 1 • RM8D- • DATA 1 • DATA 1 • RM8GND • RED • GREEN • GREEN • • IN 11 • IN 13 • IN 15 • • IN 12 • IN 14 • IN 16 • • L6 C • L7 C • L8 NO • •			- 3.46
DOOR 6 DOOR 7 DOOR 8 RM BUS	\bigcirc	\bigcirc	
19_00"			

3Typical Door Position Switch Wiring NASCOM: N78C

6Typical Card Reader Wiring

WIEG+ GND DATA 0 DATA 1 RED GREEN IN x ∘ IN x IN Y IN Y Lx C Lx NO DOOR x

TYPICAL CCTV PATCH PANEL/NETWORK SWITCH WIRING DETAIL SCALE: NONE

TYPICAL CCTV POWER SUPPLY WIRING DETAIL SCALE: NONE

SECTION 03 54 16

HYDRAULIC CEMENT UNDERLAYMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Hydraulic cement underlayment.
 - 2. Non-structural concrete repair material.
 - 3. High capacity pumping systems.
 - 4. Surface preparation.
 - 5. Installation materials.
 - 6. Supplementary components and accessories normally furnished or necessary for a complete installation, whether or not such items are indicated on the Drawings or included in the Specifications.
- B. Related Requirements:
 - 1. Section 09 65 16 for preparation of concrete slabs for finish flooring.

1.2 REFERENCES

- A. Definitions:
 - 1. Manufacturer: Means the cement underlayment manufacturer, unless otherwise indicated.
 - 2. Underlayment: Means a material installed over subfloors to help achieve specified floor flatness values, and to smooth and correct surface irregularities prior to flooring installation
- 1.3 ADMINISTRATIVE REQUIREMENTS
 - A. Coordination:
 - 1. Verify chemical and adhesive compatibility of selected cement underlayment with installed curing compounds and installed moisture vapor emission control systems, based on current product formulations.
 - 2. Coordinate cement underlayment primers with concrete curing compounds.
 - a. When accepted in writing by the manufacturer's field representative, specified cement underlayment may be applied over concrete slabs treated with either a silicate or acrylic resin curing compound.
 - b. Wax- and petroleum-based emulsions are permanent bond breakers that must be completely removed by mechanical means prior to patching or leveling.
 - c. Dissipating compounds must be completely removed by mechanical means prior to patching or leveling.
 - d. In all cases, acid etching, adhesive removers, solvents, and sweeping compounds are prohibited.
- B. Sequencing:
 - 1. Install cement underlayment only after concrete is cured to a condition of equilibrium; is

sufficiently dry to bond with cement underlayment; and has alkalinity (pH), MVER, and RH within ranges required, recommended, or accepted by the manufacturer. Provide chemically and adhesively compatible surface treatment when required or necessary to reduce pH and MVER to within allowable limits required, recommended, or accepted by the manufacturer.

- 2. Install cement underlayment only after penetrating items are installed.
- C. Scheduling:
 - 1. Concrete Substrate Curing: Allow enough time in the construction schedule for concrete to cure for at least 28 days before beginning surface preparation and installation.
 - 2. Primer Installation: Cement underlayment must be applied within 24 hours of primer installation. Re-prime surfaces exposed for more than 24 hours; follow manufacturer's instructions for re-priming.
 - 3. Finishing Flooring Installation: Do not install floor coverings until after the minimum time recommended in writing by the manufacturer has passed.
 - 4. Access Restrictions: Close spaces during installation; keep closed to foot traffic after installation for at least 48 hours and to rolling load traffic for at least 72 hours.

1.4 SUBMITTALS

- A. Action Submittals: Submit the following for responsive action (formal review and approval).
 - 1. Product Data: Submit manufacturer's product data, specifications, and all other information necessary to show conformance to the Contract Documents, excluding material safety data sheets (MSDSs), which are returned to the Contractor without review or responsive action.
- B. Informational Submittals: Submit the following for information (informal review: responsive action not expected or required, except to record non-conformance with submittal requirements).
 - 1. Manufacturer's Instructions: Submit manufacturer-prepared published instructions for proper installation of furnished cement underlayment.
 - a. If manufacturer's instructions are unavailable or do not apply to specific project conditions, then consult the manufacturer's representative and obtain project-specific supplemental instructions printed on manufacturer's letterhead.
 - b. Promptly distribute supplemental instructions to the Architect, who may have comments that lead to contract modifications or minor changes in the work.
 - 2. Qualification Statements: Submit written descriptions confirming experience specified in QUALITY ASSURANCE article below.

1.5 QUALITY ASSURANCE

- A. Source Limitations:
 - 1. Cement underlayment must be obtained through one source from the same manufacturer (to ensure compatibility and a warrantable installation).
 - a. Certain cement underlayments may be obtained from more than one manufacturer, but only when used for separate installations.
 - b. Items provided for each different installation must be obtained from the same source and manufacturer.

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- 2. Provide secondary materials, components, accessories and other items from sources required, recommended, or accepted by the primary manufacturer for actual in- service conditions applicable to the project.
- B. Qualifications:
 - 1. Installer: Company or individuals must have at least 5 years' experience installing cement underlayment for at least 30 previous projects similar to this project in size, material, design, and complexity.
 - 2. Supervisors: Individuals must have at least 7 years' experience installing cement underlayment for at least 30 previous projects similar to this project in size, material, design, and complexity, including at least 2 years' supervisory experience directing and leading cement underlayment installers.

1.6 HANDLING

- A. Receiving: Inspect all deliveries for deteriorated, damaged, and defective items.
 - 1. Reject items that are not packaged in a manner that prevents damage; or that exhibit deterioration or damage or have damaged or open packaging or containers.
 - 2. Unload and store only inspected and accepted items.
- B. Storage: Store unloaded items as shipped and in conformance with manufacturer's instructions and other requirements and recommendations for storage. Furnish adequate dunnage during storage.
 - 1. Prevent stored items from contacting the floor or ground and from deterioration and damage.
- If items are not stored in an enclosed location, then cover the tops and sides with securely-tied, waterproof, and breathable covers. Unvented polyethylene tarpaulins do not qualify as breathable covers and are prohibited. (due to potential accumulation of moisture beneath tarpaulin during certain environmental conditions)
- 3. Incline covered items to ensure maximum drainage of accumulated moisture.
- 4. Do not leave items uncovered where they might be exposed to weather or become wet from rain, mist, relative humidity, condensation, frost, and other sources of moisture; or exposed to other sources of deterioration and damage.
- C. Handling: Handle items in conformance with manufacturer's instructions and other requirements and recommendations, and in a manner that that prevents damage.
 - 1. Avoid damage to packaging and containers, and contamination of contents.
 - 2. Rotate inventory; do not use items the shelf life of which is expired.
- D. Damaged Item Replacement: Promptly remove and replace deteriorated, damaged, or defective cement underlayment materials with undamaged new cement underlayment materials that do not exhibit deterioration, damage, or defects.
- E. Packaging Waste Management: Do not burn or bury construction waste at the project site. Remove and legally dispose of all construction waste away from the project site.

1.7 PROJECT CONDITIONS

A. Ambient Conditions: Install cement underlayment only when ambient temperature, RH, and other environmental conditions fall within ranges required, recommended, or accepted by the manufacturer.

- B. Existing Conditions:
 - 1. Surface Conditions: Install cement underlayment only when substrate moisture content, vapor emission rate, and surface temperature fall within ranges required, recommended, or accepted by the manufacturer.

PART 2 - PRODUCTS

- 2.1 HYDRAULIC CEMENT UNDERLAYMENT
- A. Description: Portland-cement-based, non-structural, self-leveling, engineered cementitious material specifically designed for use as interior flooring underlayment.
- B. Application: Installed over subfloors to help achieve specified floor flatness values; and to smooth and correct surface irregularities prior to flooring installation.
- C. Manufacturer: Provide products manufactured by one of the following, or equal.
 - 1. ARDEX Group.
 - 2. Custom Building Products.
 - 3. Floor Seal Technology, Inc.
 - 4. Mapei Corp.
 - D. Products:
 - 1. Pourable or Pump Grade Underlayment Applications (0 to 1-1/4 inches thick): Provide "ARDEX V-1200" self- leveling, no-troweling underlayment manufactured by ARDEX Engineered Cements, or equal. Primer is required.
 - 2. Trowel-Grade Patching and Underlayment Applications (0 to 1/16-inch thick): Provide "ARDEX SD-F Feather Finish" self-drying, finishing underlayment manufactured by ARDEX Engineered Cements, or equal. Primer is typically not required.
 - 3. Thick Underlayment Applications (1/16- to 1/4-inch thick): Provide "ARDEX K 55 MICROTEC" microfiber reinforced, self-leveling underlayment manufactured by ARDEX Engineered Cements, or equal. Primer is required.
 - Thicker Underlayment Applications (1/4-inch to 5 inches thick): Provide "ARDEX K 15" self-leveling polymer-modified underlayment manufactured by ARDEX Engineered Cements, or equal. Primer is required.
 - a. For underlayment application thickness between 1/4-inch and 1-1/2 inches thick, apply neat.
 - b. For underlayment application thickness between 1-1/2 and 5 inches thick, apply with aggregate.

2.2 NON-STRUCTURAL CONCRETE REPAIR MATERIAL

- A. Description: Trowel-grade cementitious products used to fill and repair portions of indoor and outdoor concrete flatwork.
- B. Product: Provide "ARDEX CP" manufactured by ARDEX Engineered Cements, or equal.

2.3 HIGH CAPACITY PUMPING SYSTEMS

- A. Description:
 - 1. Ultra-high-capacity hydraulic cement underlayment pump with output up to 40,000 square feet per hour at 1/4-inch thickness.
 - 2. High-capacity hydraulic cement underlayment pump with output up to 16,500 square feet per hour at 1/4-inch thickness.
 - 3. Medium-capacity hydraulic cement underlayment pump with output between 7,500 and 12,000 square feet per hour at 1/4-inch thickness.
- B. Ultra-High-Capacity System: Provide "PowerPump" system manufactured by Floor Seal Technology, Inc., or equal.
- C. Medium and High-Capacity System: Provide "ARDIFLO" systems manufactured by ARDEX Engineered Cements, or equal.
- 1. High-Capacity Pump Trailer: Provide "POWERFLO", or equal.
- 2. Medium-Capacity Mobile Pump: Provide "CUBE", or equal.

2.4 SURFACE PREPARATION

- A. Substrate Testing and Surface Preparation: Perform testing and corrective work, and prepare substrates in conformance with the requirements of Section 09 05 16.
- B. Concrete Surface Profiling: Provide ICRI concrete surface profile CSP 3 to CSP 5 (between 10 and 40 mils), unless otherwise explicitly required, recommended, or accepted in writing by the covering manufacturer. Conform to the requirements of Section 09 05 16.
- 2.5 INSTALLATION MATERIALS
- A. Primers:
 - 1. Standard Absorbent Concrete, Gypsum, and Other Porous Substrates (in Specialized Applications): Provide "ARDEX P 51" solvent-free concentrated primer manufactured by ARDEX Engineered Cements, or equal.
 - a. Two applications of primer must be applied over gypsum underlayment.
 - b. Two applications of primer may be required over absorbent concrete underlayment.
 - Wood, Cutback Adhesive Residues, Metal, and Other Non-Porous Substrates: Provide "ARDEX P 82 ULTRA PRIME" waterborne 2 component primer manufactured by ARDEX Engineered Cements, or equal.
- B. Additive: Provide "ARDEX E 25" resilient emulsion manufactured by ARDEX Engineered Cements, or equal, for use over cutback and other adhesive residues on concrete subfloors only; over metal; and as part of mesh-reinforced wood subfloor systems.
- C. Crack Repair Compound: Provide "ARDEX ARDIFIX" 100-percent solids, 2-part polyurethane repair compound manufactured by ARDEX Engineered Cements, or equal, for repair of non-moving joints and cracks.
- D. Joint Filler: Provide "ARDEX ARDISEAL Rapid Plus" 2-part, self-leveling, semi-rigid

polyurea joint filling compound manufactured by ARDEX Engineered Cements, or equal, for repair of all moving joints.

- E. Sand: Provide washed masonry or plaster sand, 1/8-inch diameter and smaller.
- F. Aggregate: Provide well-graded washed gravel, 1/8- to 1/4-inch diameter or larger, supplied, required, recommended, or accepted by the manufacturer for proposed thicknesses.
- G. Mix Water: Provide fresh, clean, clear, potable water from a domestic source. Water must conform to ASTM C 1602 and be free of oil, grease, waxy films, curing compounds, release agents, and other deleterious materials, including salts, acids, alkalis, organic

materials, detergents, and other matter that might negatively affect tile quality, durability, or performance.

- 2.6 ACCESSORIES
 - A. Standard-Duty Galvanized Steel Welded Wire Lath:
 - 1. Description: Self-furring welded wire fabric lath fabricated for use as an alternative to 1.14 pound per square yard diamond mesh metal lath specified in ASTM C 933.
 - 2. Product: Provide "Structalath No 17 SF CR II" manufactured by Structa Wire Corp. (ICC-ES Report No. ESR-2017), or equal.
 - 3. Requisite Properties.
 - a. Size: At least 48 inches wide by 150-foot long rolls.
 - b. Wire and Mesh Sizes: 17-gage galvanized steel wire welded to form 1-1/2-inch square openings.
 - c. Nominal Weight: 1.0 pound per square yard.
 - d. Style: Self-furring.
 - 4. Minimum Groove Depth: At least 1/4-inch
 - B. Perimeter Isolation Strips: Supplied, required, recommended, or accepted by the manufacturer.
 - C. Other Accessories: Provide accessories and secondary items normally furnished or necessary for a complete installation; or supplied, required, recommended, or accepted by the manufacturer for actual in-service conditions applicable to the project.
- 2.7 MIXING
 - A. Site Mixing: Batch mix underlayment in conformance with manufacturer's instructions and other requirements and recommendations, using manufacturer-recommended techniques and manufacturer-recommended mechanical mixing equipment, which must be clean and free of material from previously mixed batches before charging each subsequent batch.
 - 1. Measure mix materials using only graduated mixing containers and calibrated mixing equipment. Shovels do not qualify as graduated mixing containers or calibrated equipment, and are prohibited from measuring or dispensing mix materials.
 - 2. Thoroughly agitate and stir mix materials to a uniform and smooth consistency suitable for proper installation.
 - 3. Do not reduce, alter, or introduce foreign materials into mix materials, except in conformance with manufacturer's instructions and other requirements and recommendations.

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4. Do not use caked or lumpy materials; or materials that are irregular, too thick or too thin, or that are partially set

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Oversight: Ensure an adequate number of supervisors are present and proper supervision practices are followed at the project site before the installer begins work and at all times during installation.
- B. Verification:
 - 1. Verify in-place construction, project conditions, and the work of other specification sections conform to the manufacturer's instructions and other requirements and recommendations.
 - 2. Verify subfloor surfaces are properly secured, smooth, and flat to minimum floor flatness and levelness tolerances required, recommended, or accepted by the manufacturer for the actual in-service conditions applicable to the project.
 - 3. Verify substrates are dry and free of curing compounds, sealers, hardeners, and deleterious and other substances that might interfere with cement underlayment adhesion or performance.
 - 4. Verify items penetrating cement underlayment are installed.
- C. Evaluation and Assessment:
 - 1. Identify project conditions that do not conform to the manufacturer's instructions and other requirements and recommendations.
 - 2. Perform or arrange and pay costs for all remedial work necessary to correct or improve deficient conditions, without limitation, before the installer begins work.

3.2 PREPARATION

- A. Protection:
 - 1. Adjacent Material Protection: Protect adjacent surfaces against soiling and damage; and from detrimental effects caused by surface profiling operations. Utilize drop cloths, shields, masking, barricades, and other items necessary to protect adjacent surfaces.
 - 2. Opening Protection: Close and protect drains and other openings and penetrations to prevent cement underlayment intrusion or migration.
- B. Substrate Preparation: Prepare substrates as required, recommended, or accepted by the manufacturer without limitation; and in a manner that does not result in any warranty or guarantee becoming void.
 - 1. Remove substrate coatings and other substances that are incompatible with cement underlayment or that may negatively affect the quality of installation, durability, or performance.
 - 2. Perform testing and corrective work and prepare substrates in conformance with the requirements of Section 09 05 16. Provide ICRI concrete surface profile CSP 3 to CSP 5 (light to medium shotblast between 10 and 40 mils), unless otherwise explicitly required, recommended, or accepted in writing by the manufacturer.

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- 3. Repair damaged sub-floor and fill cracks.
- 4. Vacuum-clean substrate.

3.3 INSTALLATION

- A. General Requirements:
 - 1. Install cement underlayment using materials and methods required, recommended, or accepted by the manufacturer, along with manufacturer-recommended accessories and techniques.
 - 2. Remove and replace cement underlayment areas that evidence lack of bond with substrate, including areas that emit a "hollow" sound when tapped.
 - 3. Installed cement underlayment must be warrantable. Do not install, correct, or replace cement underlayment in a manner that is un-warrantable by the manufacturer; or that results in any warranty or guarantee becoming void.
- B. Special Techniques:
 - 1. Thickness: Install screeds as required, recommended, or accepted by the manufacturer.
 - a. Set screeds with a laser level so the minimum cement underlayment thickness is at least 1/8-inch.
 - b. Where cement underlayment covers only a small area, grind, chisel, and undercut floor and deck slabs as necessary to ensure a minimum cement underlayment thickness of at least 1/8-inch.
 - 2. Place cement underlayment in one continuous operation, without cold joints, to produce uniform and level surfaces.
 - a. Screed cement underlayment to levels and tolerances required, recommended, or accepted by the finish flooring manufacturer.
 - b. Feather edges to match adjacent floor elevations.
 - 3. Cure cement underlayment in conformance with the manufacturer's instructions. Protect cement underlayment to prevent contamination during installation and curing.

3.4 CORRECTION AND REPAIR

- A. Non-conforming, damaged, and defective work must be brought into conformance with the Contract Documents. Correct and repair as necessary, without limitation, including arranging all correction and repair work and paying all correction and repair costs, until accepted in writing by the Architect.
- B. Corrective and repair work must be performed in conformance with a correction and repair plan submitted to and accepted in writing by the Architect before correction or repair work begins. At a minimum, correction and repair plans must include
 - 1. written descriptions of non-conforming, damaged, and defective work;
- 2. supporting sketches, diagrams, photographs, and other visual depictions of nonconforming, damaged, and defective work; and
- 3. similar written descriptions and visual depictions of Contractor-proposed corrections and repairs.
- C. Arrange and pay costs for removing and replacing work that cannot be corrected or repaired to the Architect's acceptance.

3.5 CLEANING

- A. Cleaning Work: Clean spills, stains, and soiling from adjacent surfaces.
 - 1. Use cleaning materials, equipment, and accessories supplied, and means, methods, techniques, and procedures required, recommended, or accepted by the manufacturer.
 - 2. Do not use cleaning materials or procedures known to change, or that might change, the appearance of exposed finishes or adjacent surfaces; or cause deterioration or damage to exposed finishes or adjacent surfaces.
 - 3. Protect adjacent surfaces not being cleaned from staining, deterioration, damage, or other detrimental effects caused by cleaning.
 - 4. Arrange and pay costs for removing and replacing work that cannot be cleaned to the Architect's acceptance.
- B. Waste Management: After completing the work of this specification section, leave work areas free from debris, waste, scrap, equipment, tools, and other items.

END OF SECTION

SECTION 07-078100 APPLIED FIRE-RESISTIVE MATERIALS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Repair / patching of Insulative sprayed fire-resistive materials.
 - a. Typically used for concealed locations; incidental uses hardcoated where exposed.
 - 2. Repair / patching of Intumescent fire-resistive mastic paints and coatings.
 - a. Typically used for Exposed Structural Steel; all interior locations, exterior locations as indicated.

1.2 "DEFINITIONS

- A. Concealed Sprayed Fire-Resistive Materials: Applied to surfaces that are concealed from view behind other construction when the Work is completed.
- B. Exposed Sprayed Fire-Resistive Materials: Applied to surfaces that are exposed to view when the Work is completed.

1.3 SUBMITTALS

- A. Evidence of Acceptable Testing: Submit for each fire-resistance rated assembly to be constructed. Listing of the assembly to be used in the current edition of the Underwriters Laboratories Inc. "Fire Resistance Directory" will be considered evidence of acceptable testing. In lieu of such a directory listing, official printed notification from Underwriters Laboratories Inc., stating that the assembly in question has been tested and approved, will also be considered evidence of acceptable testing.
- B. Product Data: Submit complete product and system description, including installation instructions and limitations on use.
- C. Test Reports: Submit results of field quality control tests indicated in Part 3 of this section.
- D. Research/Evaluation Reports: For sprayed fire-resistive materials.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: A firm or individual certified, licensed, or otherwise qualified by sprayed fire-resistive material manufacturer as experienced and with sufficient trained staff to install manufacturer's products according to specified requirements. A manufacturer's willingness to sell its sprayed fire-resistive materials to Design Builder or to an installer engaged by Design Builder does not in itself confer qualification on the buyer.

07 81 00 – APPLIED FIRE-RESISTIVE SYSTEMS Page 1 of 8

- 1. Installer's responsibilities include providing professional engineering services needed to assume engineering responsibility for designation of restrained and unrestrained conditions.
- B. Testing Agency Qualifications: An independent testing agency, acceptable to authorities having jurisdiction, with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548.
- C. Source Limitations: Obtain sprayed fire-resistive materials through one source from a single manufacturer.
- D. Compatibility and Adhesion Testing: Engage a qualified testing and inspecting agency to test for compliance with requirements for specified performance and test methods.
 - 1. Test for bond per ASTM E 736 and requirements in UL's "Fire Resistance Directory" for coating materials. Provide bond strength indicated in referenced fire-resistance design, but not less than minimum specified in Part 2.
 - 2. Verify that manufacturer, through its own laboratory testing or field experience, has not found primers or coatings to be incompatible with sprayed fire-resistive material.
- E. Fire-Test-Response Characteristics: Provide sprayed fire-resistive materials with the fire-testresponse characteristics indicated, as determined by testing identical products per test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify bags containing sprayed fire-resistive materials with appropriate markings of applicable testing and inspecting agency.
- F.
- 1. Fire-Resistance Ratings: Indicated by design designations from UL's "Fire Resistance Directory" or from the listings of another testing and inspecting agency acceptable to authorities having jurisdiction, for sprayed fire-resistive material serving as direct-applied protection tested per ASTM E 119.
- 2. Surface-Burning Characteristics: ASTM E 84.
- G. Provide products containing no detectable asbestos as determined according to the method specified in 40 CFR 763, Subpart E, Appendix E, Section 1, "Polarized Light Microscopy."
- H. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section 01-01310, "Project Management and Coordination." Review methods and procedures related to sprayed fire-resistive materials including, but not limited to, the following:
 1. Review and finalize construction schedule and verify sequencing and coordination requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to Project site in original, unopened packages with intact and legible manufacturers' labels identifying product and manufacturer, date of manufacture, shelf life if applicable, and fire-resistance ratings applicable to Project.
- B. Use materials with limited shelf life within period indicated. Remove from Project site and discard materials whose shelf life has expired.
- C. Store materials inside, under cover, aboveground, and kept dry until ready for use. Remove from Project site and discard wet or deteriorated materials.

1.6 PROJECT CONDITIONS

A. Environmental Limitations: Do not apply sprayed fire-resistive material when ambient or substrate temperature is 40 degrees F or lower unless temporary protection and heat is provided to maintain temperature at or above this level for 24 hours before, during, and for 24 hours after product application.

1.7 COORDINATION

- A. Sequence and coordinate application of sprayed fire-resistive materials with other related work specified in other Sections to comply with the following requirements:
 - 1. Provide temporary enclosure as required to confine spraying operations and protect the environment.
 - 2. Provide temporary enclosures for applications to prevent deterioration of fire- resistive material due to exposure to weather and to unfavorable ambient conditions for humidity, temperature, and ventilation.
 - 3. Avoid unnecessary exposure of fire-resistive material to abrasion and other damage likely to occur during construction operations subsequent to its application.
 - 4. Do not begin applying fire-resistive material until clips, hangers, supports, sleeves, and other items penetrating fire protection are in place.
 - 5. Defer installing ducts, piping, and other items that would interfere with applying fireresistive material until application of fire protection is completed.
 - 6. Do not install enclosing or concealing construction until after fire-resistive material has been applied, inspected, and tested and corrections have been made to defective applications.

PART 2 - PRODUCTS

2.1 INSULATIVE SPRAYED FIRE-RESISTIVE MATERIALS

- A. General: For concealed applications of sprayed fire-resistive materials, provide manufacturer's standard products complying with requirements indicated for material composition and physical properties representative of installed products.
- B. Material Composition:
 - 1. Cementitious sprayed fire-resistive material consisting of factory-mixed, dry formulation of gypsum or Portland cement binders and lightweight mineral or synthetic aggregates mixed with water at Project site to form a slurry or mortar for conveyance and application. Acceptable products include:
 - 2. Acceptable standard density products: Products of the following manufacturer shall be provided to match the existing in-place materials in concealed locations:
 - a. "Cafco 300"; Isolatek International.
- C. Physical Properties: Minimum values, unless otherwise indicated, or higher values required to attain designated fire-resistance ratings, measured per standard test methods referenced with each property as follows:

- 1. Dry Density: Not less than 15 lb/cu. ft. for average and individual densities regardless of density indicated in referenced fire-resistance design, or greater if required to attain fire-resistance ratings indicated, per ASTM E 605 or AWCI Technical Manual 12-A, Section 5.4.5, "Displacement Method."
- Thickness: Provide minimum average thickness required for fire-resistance design indicated according to the following criteria, but not less than 0.375 inch, per ASTM E 605:
 - a. Where the referenced fire-resistance design lists a thickness of 1 inch or greater, the minimum allowable individual thickness of sprayed fire- resistive material is the design thickness minus 0.25 inch.
 - b. Where the referenced fire-resistance design lists a thickness of less than 1 inch but more than 0.375 inch, the minimum allowable individual thickness of sprayed fire-resistive material is the greater of 0.375 inch or 75 percent of the design thickness.
 - c. No reduction in average thickness is permitted for those fire-resistance designs whose fire-resistance ratings were established at densities of less than 15 lb/cu. ft.
- 3. Bond Strength: 150 lbf/sq. ft. minimum per ASTM E 736 under the following conditions:
 - a. Field test sprayed fire-resistive material that is applied to flanges of wide- flange, structural-steel members on surfaces matching those that will exist for remainder of steel receiving fire-resistive material.
 - b. If surfaces of structural steel receiving sprayed fire-resistive material are primed or otherwise painted for coating materials, perform series of bond tests specified in UL's "Fire Resistance Directory." Provide bond strength indicated in referenced UL fire-resistance criteria, but not less than 150 lbf/sq. ft. minimum per ASTM E 736.
 - c. Minimum thickness of sprayed fire-resistive material tested in laboratory shall be 0.75 inch.
- Compressive Strength: 5.21 lbf/sq. in. as determined in the laboratory per ASTM E 761. Minimum thickness of sprayed fire-resistive material tested shall be 0.75 inch and minimum dry density shall be as specified, but not less than 15 lb/cu. ft.
- 5. Fire-Test-Response Characteristics: Provide sprayed fire-resistive materials with the following surface-burning characteristics as determined by testing identical products per ASTM E 84 by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
 - a. Flame-Spread Index: 10 or less.
 - b. Smoke-Developed Index: 0.
- 6. Fungal Resistance: No observed growth on specimens per ASTM G 21.

2.2 INTUMESCENT THIN FILM FIRE-RESISTIVE COATINGS

- A. Thin-Film Fire-Resistive Intumescent Mastic Coating: Factory-mixed formulation.
 - 1. Interior Use: Water-Based Formulation: Approved by manufacturer and authorities having jurisdiction for interior use. Products of the following manufacturer shall be provided to match the existing in-place materials in concealed locations:
 - a. A/D Fire Protection Systems Inc.; Firefilm III with a compatible topcoat to match specified color.
 - 2. Surface Texture: Moderate orange peel or smoother. Products exhibiting surface irregularities visible from 10 feet or more are not acceptable.
- B. Color and Gloss: Provide eggshell finish for interior.

2.3 AUXILIARY FIRE-RESISTIVE MATERIALS

A. General: Provide auxiliary fire-resistive materials that are compatible with sprayed fireresistive materials and substrates and are approved by UL or another testing and inspecting agency acceptable to authorities having jurisdiction for use in fire-resistance designs indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for substrates and other conditions affecting performance of work. A substrate is in satisfactory condition if it complies with the following:
 - 1. Substrates comply with requirements in the Section where the substrate and related materials and construction are specified.
 - 2. Substrates are free of oil, grease, rolling compounds, incompatible primers, loose mill scale, dirt, or other foreign substances capable of impairing bond of fire- resistive materials with substrates under conditions of normal use or fire exposure.
 - 3. Objects penetrating fire-resistive material, including clips, hangers, support sleeves, and similar items, are securely attached to substrates.
 - 4. Substrates are not obstructed by ducts, piping, equipment, and other suspended construction that will interfere with applying fire-resistive material.
- B. Conduct tests according to fire-resistive material manufacturer's written recommendations to verify that substrates are free of oil, rolling compounds, and other substances capable of interfering with bond.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Cover other work subject to damage from fallout or overspray of fire-resistive materials during application.

- B. Clean substrates of substances that could impair bond of fire-resistive material, including dirt, oil, grease, release agents, rolling compounds, loose mill scale, and incompatible primers, paints, and encapsulants.
- C. Prime substrates where recommended in writing by sprayed fire-resistive material manufacturer unless compatible shop primer has been applied and is in satisfactory condition to receive sprayed fire-resistive material.
- D. For exposed applications, repair substrates to remove any surface imperfections that could affect uniformity of texture and thickness in finished surface of sprayed fire- resistive material. Remove minor projections and fill voids that would telegraph through fire-resistive products after application.

3.3 INSTALLATION, GENERAL

- A. Comply with fire-resistive material manufacturer's written instructions for mixing materials, application procedures, and types of equipment used to mix, convey, and spray on fire-resistive material, as applicable to particular conditions of installation and as required to achieve fire-resistance ratings indicated.
- B. Apply sprayed fire-resistive material that is identical to products tested as specified in Part 1 "Quality Assurance" Article and substantiated by test reports, with respect to rate of application, accelerator use, sealers, topcoats, tamping, troweling, water overspray, or other materials and procedures affecting test results.
- C. Extend fire-resistive material in full thickness over entire area of each substrate to be protected. Unless otherwise recommended in writing by sprayed fire-resistive material manufacturer, install body of fire-resistive covering in a single course.
- D. Spray-apply fire-resistive materials to maximum extent possible. Following the spraying operation in each area, complete the coverage by trowel application or other placement method recommended in writing by sprayed fire-resistive material manufacturer.
- E. For applications over encapsulant materials, including lockdown (post-removal) encapsulants, apply sprayed fire-resistive material that differs in color from that of encapsulant over which it is applied.

3.4 INSTALLATION, CONCEALED SPRAYED FIRE-RESISTIVE MATERIALS

- A. Apply concealed sprayed fire-resistive material in thicknesses and densities not less than those required to achieve fire-resistance ratings designated for each condition, but apply in greater thicknesses and densities if specified in Part 2 "Concealed Sprayed Fire-Resistive Materials" Article.
- B. Product may be trowel-applied in conformance with manufacturer's recommendations for repair areas.
- C. Apply water overspray to concealed sprayed-fiber fire-resistive material as required to obtain designated fire-resistance rating.
- 3.5 INSTALLATION, INTUMESCENT COATING
 - A. Apply thin-film intumescent mastic fire-resistive coating as follows:

- 1. Spray-apply successive base coat(s) and finish topcoat. Allow to dry and cure between coats. Before applying finish topcoat, determine required dry film thickness according to manufacturer's written recommendations.
- 2. Product may be applied by brush or roller in conformance with manufacturer's recommendations for repair areas.
- 3. Finish: Spray application with surface lightly rolled before drying to smooth out surface irregularities and to seal in surface fibers.

3.6 FIELD QUALITY CONTROL

- A. Testing Agency: Agency will engage a qualified independent testing and inspecting agency to perform field tests and inspections and to prepare test reports.
 - 1. Testing and inspecting agency will interpret tests and state in each report whether tested work complies with or deviates from requirements.
- B. Testing Services: Testing and inspecting of completed applications of fire- resistive material shall take place in successive stages, in areas of extent and using methods as follows. Tested values must equal or exceed values indicated and required for approved fire-resistance design. Testing shall comply with the requirements of California Building Code section 1705A.14.
 - 1. Thickness for Structural Frame Members: From each location where patching or repairs occur, taking 1 measurement for each square foot of patch area per ASTM E 605.
 - 2. Density for Structural Frame Members: Take 2 representative samples from each batch of mixed repair material per ASTM E 605 or AWCI Technical Manual 12-A, Section 5.4.5, "Displacement Method."
 - 3. Bond Strength for Structural Framing Members: Take one representative sample to test for cohesion and adhesion per ASTM E 736.
 - 4. If testing finds applications of sprayed fire-resistive material are not in compliance with requirements, testing and inspecting agency will perform additional random testing to determine extent of noncompliance.
- C. Remove and replace applications of sprayed fire-resistive material where test results indicate that it does not comply with specified requirements for cohesion and adhesion, for density, or for both.
- D. Apply additional sprayed fire-resistive material per manufacturer's written instructions where test results indicate that thickness does not comply with specified requirements.
- E. Additional testing and inspecting, at Design Builder's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.7 CLEANING, PROTECTING, AND REPAIR

- A. Cleaning: Immediately after completing installation, remove material overspray and fallout from surfaces of other construction and clean exposed surfaces to remove evidence of soiling.
- B. Protect fire-resistive material, according to advice of product manufacturer and Installer, from damage resulting from construction operations or other causes so fire protection will be without damage or deterioration at time of Substantial Completion.
- C. Coordinate application of sprayed fire-resistive material with other construction to minimize need to cut or remove fire protection. As installation of other construction proceeds, inspect sprayed fire-resistive material and patch any damaged or removed areas.

D. Repair or replace work that has not been successfully protected.

END OF SECTION

SECTION 09 01 70 REMOVAL AND SURFACE PREP OF EXISTING WALLCOVERING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Complete removal of existing Wallcovering down to substrate, and repair of substrate damage.
- B. Removal of existing rigid wall protection down to substrate, and repair of substrate damage.

1.02 RELATED SECTIONS

- A. Section 09 00 10 Gypsum Board and Metal Framing
- B. Section 09 72 00 Wallcovering
- C. Section 09 72 17 Rigid Sheet Wall Protection
- D. Section 10 26 13 Handrail and Chair Rail

1.03 QUALIFICATIONS

A. Company specializing in performing the work of this section with minimum five years documented experience.

PART 2 - PRODUCTS

- 2.01 PRODUCTS
 - A. See products listed in Execution Sections below.

PART 3 - EXECUTION

- 3.01 COMPLETE WALLCOVERING REMOVAL
 - A. Existing wallcovering shall be removed by peeling wallcovering sheet down from top of wall, pulling parallel to the wall. Care shall be taken to minimize peeling of paper facing of gypsum board substrate. Use putty knife to assist in separating wallcovering from substrate.
 - B. As the wallcovering is removed, should the paper facing of the gypsum board substrate begin to peel away, removal of that section should stop and the wallcovering be gently scored with a razor blade to allow removal in smaller sections. Every effort should be made to avoid completely removing the paper facing to expose the gypsum core.

- C. Where the paper facing of the gypsum board substrate is damaged but not fully removed, the surface shall be repaired to receive wallcovering. Carefully sand the damaged facing with 60-grit sandpaper to remove loose paper. Apply one coat of a sealer specifically intended for surface repair, such as Zinsser "Gardz"; lightly sand the surface, and repeat with second coat of sealer and sand again to leave smooth surface.
- D. At any locations where the paper facing of the gypsum board substrate has completely lifted off of the substrate exposing the gypsum board core, that section of gypsum board shall be repaired as required under Section 09 00 10.
- E. Holes, indents, and any other damage to existing substrate shall be repaired as required under Section 09 00 10.
- F. Any exposed gypsum board joint compound shall be receive one coat of primer-sealer.
- G. Where existing wallcovering has been applied over a previously-installed layer of wallcovering, both layers shall be removed.

3.02 COMPLETE REMOVAL OF RIGID WALL PROTECTION

- A. Remove any existing trim pieces, including seam covers and top trim.
- B. Existing rigid wall protection shall be removed by pulling the rigid wall protection away from the wall from the top or from an edge seam. Care shall be taken to minimize peeling of paper facing of gypsum board substrate. Use putty knife to assist in separating rigid wall protection from substrate.
- C. As the rigid wall protection is removed, should the paper facing of the gypsum board substrate begin to peel away, removal of that section should stop and the rigid wall protection be gently scored with a razor blade to allow removal in smaller sections. Every effort should be made to avoid completely removing the paper facing to expose the gypsum core.
- D. Where the paper facing of the gypsum board substrate is damaged but not fully removed, the surface shall be repaired to receive wallcovering. Carefully sand the damaged facing with 60-grit sandpaper to remove loose paper. Apply one coat of a sealer specifically intended for surface repair, such as Zinsser "Gardz"; lightly sand the surface, and repeat with second coat of sealer and sand again to leave smooth surface.
- E. At any locations where the paper facing of the gypsum board substrate has completely lifted off of the substrate exposing the gypsum board core, that section of gypsum board shall be repaired as required under Section 09 00 10.
- F. Holes, indents, and any other damage to existing substrate shall be repaired as required under Section 09 00 10.
- G. Any exposed gypsum board joint compound shall be receive one coat of primer-sealer.
- H. Where existing rigid wall protection has been applied over a previously-installed layer of wallcovering, both layers shall be removed.

END OF SECTION

09 01 70 – REMOVAL AND SURFACE PREP OF EXISTING WALLCOVERING Page 2 of 2

SECTION 09 72 05 DIGITAL PRINTED WALLCOVERING

PART 1 GENERAL

- 1.01 SECTION INCLUDES:
 - A. Custom Digital Printed Vinyl Wallcovering murals.

1.02 SUBMITTALS

- A. Submit as specified in Division 01.
- B. Product Data: For each type of product indicated. Include data on physical characteristics, durability, fade resistance, and flame-resistance characteristics
- C. Shop Drawings: For each artwork image and size, submit dimensioned drawings drawn to scale showing the cropped artwork image to fit the mural panel size.
- D Samples for Verification: Submit one 8"x10" sample showing full-size image quality for each artwork image.
- E. Qualification Data: For qualified Installer.
- F. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for surface-burning characteristics of fabrics.
- G. Warranties: Sample of special warranties.

1.03 REGULATORY REQUIREMENTS

- A. Conform to the applicable portions of the 2019 California Building Code.
- 1.04 DELIVERY, STORAGE, AND HANDLING
 - A. Deliver, store, protect and handle products at site as specified in Division 1.
 - B. Inspect all products for damage upon delivery. Store mural panels in original packaging for protection until time of installation.

1.05 QUALITY ASSURANCE

A. Fire-Test-Response Characteristics: Provide wall coverings and adhesives with the following fire-test-response characteristics as determined by testing identical products applied with identical adhesives to substrates per test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.

- 1. Surface-Burning Characteristics: As follows, per ASTM E 84:
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 450 or less.
- 2. Fire-Growth Contribution: Textile wall coverings complying with acceptance criteria of UBC Standard 8-2.

B. Provide certification by the manufacturers that all products supplied comply with the regulations of SCCAQMD and the Ventura County Air Pollution Control District controlling use of volatile organic compounds (VOC).

1.06 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install wall coverings until wet work in spaces is complete and dry, work above ceilings is complete, and ambient interior temperature and humidity conditions are maintained for a minimum of 48 hours at the levels indicated for Project when occupied for its intended use: temperature of 70-75 degrees F., humidity 20%-50% RH..
- B. Lighting: Do not install wall covering until a lighting level of not less than 15 fc is provided on the surfaces to receive wall covering.
- C. Ventilation: Provide continuous ventilation during installation and for not less than the time recommended by wall-covering manufacturer for full drying or curing.
- D. Field Measurements: Verify actual dimensions of construction contiguous with wall coverings by field measurements before fabrication.

1. Allow for trimming and fitting where taking field measurements before fabrication might delay the Work.

E. Substrate Conditions: Inspect substrate conditions to meet the requirements of the manufacturer for proper installation. Initiation of the work of this section indicates acceptance of the substrate conditions.

1.08 WARRANTY

- A. Installer shall provide a 5-year warranty for the integrity of the wallcovering seams against loss of adhesion to the substrate lifting at the seams of the new wallcovering.
- B. Manufacturer shall provide a 5-year warranty against manufacturing defects.

PART 2 - PRODUCTS

- 2.1 WALL-COVERING PRODUCTS
 - A. Printable vinyl wallcovering media: DreamScape vinyl wallcovering, by DreamScape, a division of Roysons Corp. or equal.

1. Product weight: 20 oz. per lineal yard total; vinyl weight = 17.0 oz., fabric weight = 2.7 oz, adhesive weight = 0.3 oz.

2. Breaking strength: Exceeds Type II minimum of 50 lbs for machine direction-warp and cross machine direction-fill.

3. Tearing strength: Exceeds Type II minimum of 25 lbs for machine direction-warp and cross machine direction-fill.

B. Printed artwork on wallcovering: Custom Inkjet printed artwork by MDC Interior Solutions or equal. See color and material supplement for number of different artwork images. Artwork images to be selected by Agency from high-resolution images available through Shutterstock or other artwork image sources.

2.2 ACCESSORIES

- A. Adhesive: Mildew-resistant, non-staining adhesive, for use with specific wall covering and substrate application, as recommended in writing by wall-covering manufacturer.
- B. Primer/Sealer: Mildew-resistant primer/sealer recommended in writing by wall-covering manufacturer for intended substrate.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with manufacturer's printed installation instructions and with requirements for levelness, wall plumbness, maximum moisture content, and other conditions affecting performance of work.
- B. Verify that permanent project lighting is in place and operational prior to start of seam finishing for perforated metal wall paneling.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrate in accordance with Section 09 01 70.
- B. Clean substrates of substances that could impair wall covering's bond, including mold, mildew, oil, grease, incompatible primers, dirt, and dust.
- C. Prepare substrates to achieve a smooth, dry, clean, structurally sound surface free of flaking, unsound coatings, cracks, and defects.
 - 1. Gypsum Board: Prime with primer recommended by wall-covering manufacturer.
 - 2. Painted Surfaces: Treat areas susceptible to pigment bleeding.
- D. Check painted surfaces for pigment bleeding. Sand gloss, semigloss, and eggshell finish with fine sandpaper.
- E. Remove hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items.
- F. Acclimatize wall-covering materials by removing them from packaging in the installation areas not less than 24 hours before installation.

3.3 INSTALLATION: WALL COVERINGS

- A. General: Comply with wall-covering manufacturers' written installation instructions applicable to products and applications indicated, except where more stringent requirements apply.
- B. Cut wall-covering as recommended by manufacturer.
- C. Install wall covering with no gaps or overlaps, no lifted or curling edges, and no visible shrinkage.
- D. Match pattern as recommended by manufacturer.

- E. Install all wall coverings according to manufacturer's instructions.
- F. Fully bond wall covering to substrate. Remove air bubbles, wrinkles, blisters, and other defects.
- G. Trim edges and seams for color uniformity, pattern match, and tight closure. Butt seams without any overlay or spacing between strips.

END OF SECTION

SECTION 10 21 00

CUBICLE CURTAIN TRACKS

PART 1 GENERAL

- 1.01 SECTION INCLUDES
 - A. Overhead metal curtain track and guides.
 - B. Curtains (NIC).

1.02 SYSTEM DESCRIPTION

A. Track: Surface mounted, except where noted recessed.

1.03 PERFORMANCE REQUIREMENTS

- A. Track: Support vertical test load of 50 lbs without visible deflection of track or damage to supports.
- B. Track Size: Safety support moving loads.
- C. Track and Mounting: Sufficiently rigid to resist visible deflection and without permanent set.

1.04 SUBMITTALS

- A. Submit under provisions of Division 1 General Provisions.
- B. Shop Drawings: Indicate a reflected ceiling plan view of curtain track, hangers and suspension points, attachment details, schedule of curtain sizes.
- C. Submit 12 inch sample length of curtain track including typical splice and wall and ceiling hanger and escutcheon.
- D. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, protect and handle products to site under provisions of Division 1 - General Provisions.

1.06 FIELD MEASUREMENTS

A. Verify that field measurements are as indicated on the drawings and are as recommended.

1.07 EXTRA MATERIALS

A. Provide ten extra carriers.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Track: Imperial Privacy Systems IFC 98 or equal
- B. Carriers: Imperial Privacy Systems IFC 100 or equal. Chain length as directed by the Engineer. Provide 2.2 carriers per foot.
- C. Substitutions: Under provisions of Division 1.

2.02 TRACK MATERIALS

- A. Track: Extruded aluminum sections; one piece per cubicle track run.
- B. Track, End Stop, Tees, Y's, Switches: To fit track section.
- C. Suspension Rods: Aluminum sections, sized to support loads designed to receive attachment from track ceiling support.
- D. Escutcheons to Suspension Rods: Aluminum.
- E. Curtain Carriers: Nylon roller to accurately fit track; designed to eliminate bind when curtain is pulled; fitted to curtain to prevent accidental curtain removal; 3 carriers per lineal foot of track length.

2.03 FINISHES

- A. Exposed Surfaces: Clear anodized finish.
- B. Fabricate track bend with minimum 12 inch radius, without deforming track section, or impeding movement of carriers.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces and above ceiling supports are ready to receive work.
- 3.02 INSTALLATION
 - A. Install curtain track secure and rigid, true to ceiling line. Fasten with screws or pop-rivets directly to ceiling grid. Provide backing supported by ceiling grid above ceiling tile where sections must be fastened between exposed grid members.
 - B. Install end cap and stop device.
 - C. Secure track to ceiling system.

END OF SECTION

SECTION 10 14 13 INTERIOR SIGNAGE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Coordinate and provide egress signage shown in the contract drawings A2.3, A2.4, and 9/A9.1. Egress signs are not in specification 10 14 13.
- C. Coordinate Sign Type 45 and Sign Type 46 with detail 6/A9.1 and 7/A9.1.

1.2 SUMMARY

- A. Section includes: Provide Project interior signage including:
 - 1. Sign Type 26: Wayfinding Directional Small
 - 2. Sign Type 30: Dimensional Copy
 - 3. Sign Type 31: Department Identification Plaque
 - 4. Sign Type 40: Room Identification Tactile & Braille Plaque
 - 5. Sign Type 42: Patient Room Identification Tactile & Braille Plaque
 - 6. Sign Type 43: Room Identification Tactile & Braille In-Use Window
 - 7. Sign Type 44: Bed Identification
 - 8. Sign Type 45: Restroom Identification ADA
 - 9. Sign Type 46: Restroom Identification Title 24
 - 10. Sign Type 49: Room Number Identifier on Door Frame
 - 11. Sign Type 52: Emergency Evacuation
 - 12. Sign Type 53: Equipment Identification Flag
 - 13. Sign Type 70: Information/Regulatory Small Plaque
 - 14. Sign Type 71: Information/Regulatory Large Plaque

1.3 REFERENCES

- A. ADA/ADAAG/SAD Standards for Accessible Design.
- B. California Public Safety Codes -Title 19.
- C. California Title 24.
- D. Green Seal Standard GS 11 "Paints and Coatings".
- E. National Association of Architectural Metal Manufacturers (NAAMM) "Metal Finishes Manual".
- F. National Fire Protection association (NFPA).
- G. Office of Statewide Health Planning and Development (OSHPD) –Seismic and Life Safety Standards specific to California.
- H. South Coast Air Quality Management District (SCAQMD):
 - 1. Rule #1168 "Adhesive and Sealant Applications.
- I. Underwriters Laboratories (UL):
 - 1. UL Standards 48 Signs.
 - 2. UL Standard 1570 Fixtures.
- J. U.S. Green Building Council (USGBC) Leadership in Energy & Environmental Design (LEED).

1.4 COORDINATION

- A. Furnish templates made from rigid material and provide tolerance information for placement of sign-anchorage devices to be embedded in permanent construction by other installers.
 - 1. Clearly mark each template with a "Side A / Side B" reference, and include a directional marking to denote "North."
- B. Furnish message schedule for the AGENCY to review and confirm the text.

1.5 ACTION SUBMITTALS

- A. General: Except as otherwise indicated, comply with requirements of Section 01 33 00 "Submittal Procedures".
- B. Product Data: For each type of product.
 - 1. Include fabrication details, material descriptions, dimensions overall and dimensions of individual components.
 - 2. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.
 - 3. Include data for paint, coatings, and other finish materials as required to show compliance with specified requirements.
- C. Material Data:
 - 1. If requested by Owner, submit manufacturer's Material Safety Data Sheet (MSDS) directly to Owner.
- D. Shop Drawings: Provide one set of reproducible Shop Drawings in electronic Acrobat PDF format and as a paper print set, drawn to scale, detailing sign fabrication and installation. Provide PDF of the electronic copy of Shop Drawings.
 - 1. Include fabrication and installation details relating to attachments to other work.
 - 2. Show sign mounting in plan and elevation; show supplementary supports and all accessories to be provided by others, clearly identified on the shop drawings.
 - 3. Provide printed-paper copy layout of each sign type, not less than 1/2 size.
 - 4. Schedule and describe sign anchorage assemblies and their related components.
 - 5. Show location of inserts for anchors and supports, which are to be attached to structure or built into concrete or masonry, if any.

- 6. Support and Backing in Walls (new construction): Sign Contractor with the assistance of the General Contractor shall provide engineered sign supports anchored to the building's structure where required and to meet applicable sign code requirements. Installations requiring support or backing within the building wall construction shall be immediately relayed to the Architect of Record and Construction Manager's Representative for field coordination. Location plans and the dimensions on the design drawings to be utilized for placement of each sign type. Should any obstructions prohibit installing the signage in any given location, the General Contractor (GC) shall be notified immediately and the GC and Architect shall provide alternate locations as required.
- 7. Support and Backing in Walls (existing construction): Sign Contractor with the assistance of the General Contractor shall provide engineered sign supports anchored to the building's existing structure or framing (i.e. metal or wood studs) as required, to meet applicable sign code requirements. For conditions where metal stud framing exists, install finished signage using sheet metal fasteners / screws set directly into studs. However, for existing field conditions where wood or metal wall studs are inaccessible, but where the finished walls consist of gyp board anchored to internal framing, the finished signage shall be installed using Easy Anchor drywall anchors (or equal), with sheet metal screws, set into the gyp board over framed walls. Installations requiring additional support or backing within the building wall construction shall be immediately relayed to the Architect of Record and Construction Manager's Representative for field coordination. Location plans and the dimensions on the design drawings to be utilized for placement of each sign type. Should any obstructions prohibit installing the signage in any given lo- cation, the General Contractor (GC) shall be notified immediately and the GC and Architect shall provide alternate locations as required
- 8. Shop Drawings shall be new drawings prepared specifically for the Project.
 - a. Re-submittal of issued Drawings with title block modifications is not acceptable.
- 9. Shop drawings may be submitted electronically, saved as a pdf file, for review and comment by the design team.
- E. Engineering Drawings and Analysis: Sealed and signed by Professional Structural Engineer, responsible for preparation of engineering analysis who thereby certifies preparing or supervising preparation of data to comply with specified requirements and recognized engineering principles and practices. Engineering Drawings include, but are not limited to:
 - 1. Plans, elevations, sections, and details for fabrication and installation of sign structures indicating sizes, dimensions profiles and arrangement and provisions for jointing, supporting, anchoring, and fastening.
 - 2. Include details showing relationship with, attachment to, and reception of related Work (i.e. "Retrofit to Existing Structure").
 - a. Indicate details of adjoining Work, even though not included in Work of this Section, to ensure coordination of Work and Work of other Sections.
 - b. Reference Architect detail numbers where applicable.
- F. Samples:
 - 1. Paints and Coatings:

- a. Color Samples: Submit 2 samples of each color, sheen, and texture of paint finish on minimum 4 by 6 inch aluminum sheet to simulate the actual finish. Resubmit each sample as requested until required color, sheen, and texture are achieved.
- b. Technical Specifications: Submit 2 copies of technical specifications of paint, coatings, and other finish materials.
- 2. Lettering Patterns: Submit 2 full-size lettering patterns of sign messages, symbols, or other graphic elements related to sign fabrication.
- High Performance Graphic Film Copy: Submit 2 mounted, one-line samples of each size, color, typestyle, and font on pre-spaced tapes.
- 4. Screen Processed Copy: Submit 2 prints of film positives.
- 5. Hardware Samples: Submit 2 samples each of hardware such as hinges, locks, and fasteners that will be exposed to view.
- G. Sign Prototype: Submit prototype to verify selections made under Sample submittals, to demonstrate aesthetic effects, to set quality standards for materials and execution, and to set quality standards for fabrication and installation.
- H. Samples:
 - 1. Submit 1 prototype of each sign.
 - 2. Subsequent fabrication shall conform to accepted prototypes.
 - 3. Approval of prototypes does not constitute approval of deviations from Contract Documents unless the Architect / Designer specifically approves such deviations in writing.
 - 4. Subject to compliance with requirements, approved prototypes may become part of completed Work if undisturbed at time of Substantial Completion.
- I. Graphics Schedule: For interior signage, reference the same sign item numbers as indicated on Drawings.
- J. Delegated-Design Submittal: For Interior signage indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by qualified professional structural engineer responsible for their preparation.
- 1.6 INFORMATIONAL SUBMITTALS
 - A. Qualification Data: For Installer and Manufacturer.
 - B. Welding certificates.
 - C. Sample Warranty: For special warranty.
- 1.7 CLOSEOUT SUBMITTALS
 - A. Operation and Maintenance Data: To include in emergency, operations, and maintenance manuals.
 - B. Record Submittals (As-Builts): Prepare and submit final record drawings, specifications, and current status documents, saved in digital/pdf format for signs provided as Work of this Section.

1. Comply with requirements of Section 017839, except as otherwise indicated.

1.8 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed, and that are packaged with protective covering for storage, and identified with labels de- scribing contents.
 - 1. Provide extra interchangeable message panels and extra stock of following:
 - a. Furnish one [1] gallon of each finish paint color for touch-up purposes. Include information on each paint manufacturer and order code numbers.
 - b. Provide six tools for each tamperproof fastener type used.

1.9 QUALITY ASSURANCE

- A. Sign Contractor Qualifications: Company regularly engaged in the manufacture of Interior signage similar to product specified for this Project, and which have been in satisfactory service for a minimum of 4 years.
 - 1. Contractor shall demonstrate previous experience with Branding and Wayfinding signage programs for healthcare clients.
 - 2. Contractor shall provide examples of three healthcare projects / programs successfully completed over the past 5 years.
 - 3. Contractor shall develop a fabrication and installation project schedule, and demonstrate the capability for creating a project database with customer / client accessibility, based upon receipt of Notice to Proceed, and outlining the durations for submittals, submittal reviews, fabrication, installation and Project completion.
- 1.10 QUALITY ASSURANCE
 - A. Comply with Sign Contractor's ordering instructions and lead-time requirements to avoid construction delays.
 - B. Submit detailed description of crating method and materials used for shipment of large scale, fabricated signs or letters to Project team for review and approval prior to actual crating and shipping. Secure finished signage components within crate and protect from shipping or weather related damage.
 - C. Deliver to jobsite in Sign Contractor's original unopened and undamaged packaging with identification labels intact.
 - D. Store in lockable, clean, dry area protected from weather, temperature, and other harmful conditions in accordance with Sign Contractor's written instructions.
 - E. Handle products in accordance with Sign Contractor's written instructions.

1.11 FIELD CONDITIONS

- A. Field Measurements:
 - 1. Inspect existing conditions and verify dimensions related to fabrication and installation of Interior signage prior to production.
 - 2. Verify locations of any anchorage devices and /or electrical service provisions specific to the signage installation, and any embedment made within permanent construction and executed by others. Recheck site /in-field conditions prior to the final graphics installations.

1.12 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in function, materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to following, as applicable to each sign type:
 - a. Deterioration of finishes beyond normal wear.
 - b. Deterioration of embedded graphic image.
 - c. Separation or de-lamination of sheet materials and components.
 - d. Mounting failure.
 - e. Electrical failure.
 - f. Structural failure.
 - 2. Warranty Period:
 - a. General Graphics Failure: within three years from date of Substantial Completion.
 - b. Linear poly paint factory finish: five years from date of substantial completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into Work include, but are not limited to:
 - 1. 3M.
 - 2. AKZO Nobel.
 - 3. APCO graphics, Inc.
 - 4. Arlon Graphics, LLC.
 - 5. ASI Sign Systems, Inc.
 - 6. BK Lighting.
 - 7. GE Lighting Solutions.
 - 8. Matthews Paint Co.
 - 9. Philips /ColorKinetics.
 - 10. PPG.
 - 11. Sign Comp.
 - 12. Sign Systems.

2.2 FABRICATORS

A. Fabricators: Subject to compliance with requirements, available fabricators approved for fabricating signage components and assemblies specified in this

Section include, but are not limited to:

- 1. AD/S Design & Signs.
- 2. CNP / California Neon Products.
- 3. CREO Industrial Arts.
- 4. Sign Source
- 5. Icon Identity Solutions.
- 6. Jon Richards Company.
- 7. Sign Designers.
- 8. T Graphics
- 9. Windsor Displays.
- 10. Vomar.

2.3 SYSTEM DESCRIPTION

- A. Frame and Enclosure:
 - 1. Design, fabricate and install structural and non-structural support framing in accordance with requirements of authorities having jurisdiction.
 - Design system to accommodate construction tolerances, deflection of structural members, and clearances of intended openings of associated structures.
 - 3. Seismic Loads: Design and size components to withstand seismic loads and sway displacement as calculated in accordance with requirements of authorities having jurisdiction for seismic zone # 4.

2.4 PERFORMANCE REQUIREMENTS

- A. Design Rights: Sign Contractor is hereby granted limited right to designs as indicated on Design Drawings and specified in this Section for sole purpose of completing contractual obligations to fabricate and install Project signage. Sign Contractor may not manufacture, reproduce, or exhibit designs or modify designs for any other purpose without prior written consent.
- B. Substitutions: No substitutions to fabrication process or material selections allowed unless approved by Architect / Designer in writing prior to fabrication.
- C. Sign Contractor's Responsibilities:
 - 1. Provide labor, materials, and products required to fabricate and install Interior signage and graphic items detailed, noted, or specified in Contract Documents.
 - 2. Identify Signage permit costs, obtain the required permit/s, and cover all costs associated to said permits, including plan checks submittals, processing fees and all applicable taxes.
 - 3. Provide engineering design as required for approvals and permits.
 - 4. Provide typographic copy layouts, and other finished artwork, unless otherwise specified.
 - 5. Provide for Union Labor (where required) for installation of finished signage.
 - 6. Provide sufficient support and coordination throughout the following phases:
 - a. Submittal of shop drawings.
 - b. On-site field surveys.
 - c. Sign prototypes.

- d. Sign fabrication.
- e. In-shop design milestone reviews.
- f. RFI process.
- g. Coordination of shipping/delivery of finished signage to job site.
- h. Final installation.
- i. Participation in final punch-list walk.
- j. Correction of any identified deficiencies noted by project Design team and/or Client.
- D. Delegated Design:
 - 1. Engage a qualified professional structural engineer as defined in this Section to design sign structure and anchorage.
 - a. Provide complete engineering drawings and calculations sealed and signed by responsible engineer.
 - b. Provide engineering design as required for approvals and permits.
- E. Accessibility Standard: Comply with applicable provisions in U.S. Architectural & Transportation Barriers Compliance Board's ADA/ADAAG Accessibility Guidelines for Buildings and Facilities, SAD (Standards for Accessible Design), and ICC A117.1 for signs.
- F. Electrical Components: Listed and labeled as defined in NFPA 70, by qualified testing agency, and marked for intended location and application.

2.5 MATERIALS

- A. Acrylic Polyurethane Paint:
 - 1. Manufacturers: Subject to compliance with requirements, manufacturer's offering products that may be incorporated in the Work include, but are not limited to:
 - a. AKZO Nobel.
 - b. Matthews Paint Co.
 - c. PPG.
 - 2. General: ASTM D 4802, category as standard with manufacturer for each sign, Type UVF (UV filtering).
 - 3. Paint systems / products must be either Ultra Low VOC or Low VOC compliant.
- B. Acrylic Sheet: ASTM D 4802, category as standard with manufacturer for each sign, Type UVF (UV filtering).
 - 1. Manufacturers: Subject to compliance with requirements, manufacture's offering products that may be incorporated in the Work include, but are not limited to:
 - a. Evonite Cyro, LLC: Acrylite.
 - b. Rohm and Haas: Plexiglas.
- C. Anti-Graffiti Aerosol Spray Coating:

- 1. Basis of Design Product: Subject to compliance with requirements, provide one of the following finishes: Low VOC Satin Clear, Low VOC Gloss Clear, Low VOC Braco Clear (for decorative metals), or Low VOC Super Satin Clear/anti graffiti as manufactured by Matthews Paint Co.
 - a. Spraylat.
- D. Anti-Graffiti Protective Film:
 - 1. Basis of Design Product: Subject to compliance with requirements, provide Scotchcal Matte Overlaminate 3642 GPS as manufactured by 3M or product by the following, meeting or exceeding performance requirements of Basis of De- sign product:
 - a. Arlon Graphics, LLC.
- E. Aluminum Sheet and Plate: ASTM B 209, alloy and temper indicated.
 - 1. Provide alloy 5052-h32 for anodized finishes and alloy 3003-h14, mill finish, for painted finishes.
 - 2. Where alloy and temper are not indicated, provide alloy and temper recommend- ed by aluminum producer and finisher for type of use and finish indicated.
- F. Aluminum Extrusions: ASTM B 221, alloy and temper indicated.
 - 1. Provide alloy 6063 T-6 for anodized finishes and alloy 6061 T-6, mill finish, for painted finishes.
 - 2. Where alloy and temper are not indicated, provide alloy and temper recommend- ed by aluminum producer and finisher for type of use and finish indicated.
 - Anodizing and Plating: Subject to compliance with requirements, manufacturer's offering products that may be incorporated in the Work to include, but are not limited to:
 - a. Danco
 - b. LNL Anodizing
 - c. Highland Plating
- G. Clear Coat Finish:
 - 1. Basis of Design Product: Subject to compliance with requirements, provide following products comprising complete non-yellowing, U.V. stable, clear coat finish system as manufactured by Matthews Paint Co. or product by manufacturer specified as acceptable, meeting or exceeding performance requirements of Ba- sis of Design product:
 - a. Pretreatment: Tarnish retarding pretreatment #74-737 Braco Pretreatment
 - b. Adhesive: Clear, colorless adhesive #74-793 Spray Bond
 - c. Finish: Final clear coat finish equal to #282-260 Braco Clear
 - 1) Catalyst #283-800.

- 2) Reducer #285-100 Exempt Reducer.
- 2. Acceptable Manufacturers:
 - a. AKZO Nobel.
 - b. PPG.
- H. Diffuser Film:
 - 1. Basis of Design Product: Subject to compliance with requirements, provide 3M Diffuser Film 3635-30, 3635-70, or other product recommended in writing by 3M for each application or, product by the following, meeting or exceeding performance requirements of Basis of Design Product:
 - a. Arlon Graphics, LLC.
- I. High Performance Graphic Film:
 - 1. Basis of Design Product: Subject to compliance with requirements, provide Scotchcal and Scotchlite Film/Sheeting as manufactured by 3M or product by the following, meeting or exceeding performance requirements of Basis of Design product:
 - a. Arlon Graphics, LLC.
 - 2. General: UV-resistant vinyl film of nominal thickness indicated, with pressuresensitive, permanent adhesive on back or face, as required for first or second surface installations; machine / computer cut to form characters or images as indicated and suitable for Interior applications.
- J. Non PVC based Films:
 - 1. Basis of Design Product: Subject to compliance with requirements, provide Envision Print Wrap film or Envision Gloss Wrap overlaminate as manufactured by 3M or product by the following, meeting or exceeding performance requirements of Basis of Design product:
 - a. Or approved equal.
 - General: U.V., high temperature, moisture and acid dew resistant, non-PVC film of nominal thickness indicated, with adhesive backing as required for first surface installations; machine /computer cut for installation onto walls or textured surfaces, available in opaque white for digital printing, or as a clear gloss wrap over- laminate.
- K. Interior Digital Color Prints:
 - Manufacturers: Subject to compliance with requirements (Piezo ink jet printed and / or a Mimaki UV Digital Printer, with an acceptable overlaminate or applied second surface, and a Design life of 3-5 years), manufacturer's offering products that may be incorporated in the Work include, but are not limited to:
 - a. Color Edge.

- b. Lithographix.
- c. Rembrandt.
- d. Supercolor Digital.
- L. Screen Printing Ink: Subject to compliance with requirements, provide product by one of following manufacturers or equal product, meeting or exceeding performance requirements of a named manufacturer:
 - 1. Warnow; Decal Du-Well Enamel.
 - 2. Nazdar Inks.
- M. Stainless Steel Sheet and Plate: ASTM A 240/A240M or ASTM A 666, Type 304shall be the default material specification, however, the following material types shall be specified when additional corrosion resistance is required, 304L, and shall conform to the stretcher-leveled standard of flatness.
- N. Tempered Glass: Heat -treated float glass complying with ASTM C 1048 Type I, Quality Q3, Class I (clear), Kind FT.
 - 1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.
 - 2. Basis of Design: Subject to compliance with requirements, provide product by one of the following manufacturers or equal product meeting or exceeding performance requirements of named manufacturer:
 - a. Torstenson Class Co., Chicago, IL.
 - b. Glassworks, South Gate, CA.
- O. Very High Bond Foam and Transfer Tape:
 - 1. Basis of Design Product: Subject to compliance with requirements, provide VHB Acrylic Foam Tape, and VHB Isotac Tape as manufactured by 3M.

2.6 ACCESSORIES

- A. Silicone Adhesive:
 - 1. Manufacturers: Subject to compliance with requirements, manufacturer's offering products that may be incorporated in the Work to include, but are not limited to:
 - a. Dow.
 - b. General Electric.
 - c. C.R. Lawrence.
- B. Structural Adhesive:
 - 1. Basis of Design Product: Provide Versilok two-component epoxy-modified acrylic adhesive, with beads, as manufactured by Lord Corporation recommended by adhesive manufacturer for each application or, subject to compliance with requirements, comparable product by one of following:
 - a. Akzo Nobel; Liquid Nails Construction Adhesive.

b. Henkel Loctite Corporation; Locktite Construction Adhesive.

2.7 FABRICATION

- A. General: Manufacturer shall provide labor, materials, tools, fixtures, jigs, equipment and facilities necessary for production of Work required by Contract Documents.
 - 1. Preassemble signs in shop to greatest extent possible. Disassemble signs only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation, in locations concealed from view after final assembly.
 - 2. Mill joints to tight, hairline fit.
 - Comply with AWS for recommended practices in welding and brazing. Provide welds and brazes behind finished surfaces without distorting or discoloring ex- posed side. Clean exposed welded and brazed joints of flux, and dress exposed and contact surfaces.
 - 4. Conceal fasteners and anchors unless indicated as exposed; locate exposed fasteners where they will be inconspicuous.
 - 5. Internally brace signs for stability and for securing fasteners.
 - 6. Form panels to required size and shape as indicated on Drawings. Comply with requirements for design, dimensions, finish, color, and details of construction.
 - 7. Obtain identification labels, which shall conform to Underwriters Laboratories requirements.
 - 8. Locate markings, labels, and manufacturer names and other identifications so as to be concealed from public view and as acceptable to Owner's Representative.
 - 9. Provide wet stamped engineering calculations.
 - 10. On new sign products of duplicate design and fabrication, vendor shall assume interchangeability of components, regardless of manufacturing origins.
 - 11. For sign cabinets mounted to walls and other vertical surfaces, or to other horizontal surfaces, use zinc or steel anchoring hardware.
 - 12. Provide stainless steel aircraft cable and zinc plated mounting hardware and fit- tings for hanging or suspending signage or graphics components.
- B. Very High Bond Tape (VHB):
 - 1. Provide type of VHB recommended in writing by tape manufacturer for each tape application.
 - 2. Apply tape in accordance with tape manufacturers written instructions for each tape application.
 - a. Pretreat surfaces prior to application of tape, removing oil and foreign mat- ter and lightly sand bonding surfaces prior to tape application.
 - b. Prior to removal of carrier tape, burnish tape to first applied surface to acti- vate adhesive properties.
 - c. Reburnish bond areas and clamp elements together for time specified by tape manufacturer.
- C. Acrylic Panels: Finish exposed edges of panels smooth with polished or painted finish as noted on Drawings. All edges to be eased and exposed lamination seams

shall not be permitted.

- D. ADA / ADAAG / SAD Code Compliant Signs:
 - 1. Option /Tactile Sign: Sign face shall have an applied sheet of surface painted raised copy and Grade 2 translation Braille, and be bonded to the sign substrate Acrylic. Photopolymer material to be specified as Exterior grade product.
 - 2. Option /Tactile Sign: Sign face shall have applied Laser cut surface painted raised copy and transparent Grade 2 translation (Raster bead) Braille, bonded in- to holes engraved into sign face after painting.
 - 3. Edges shall be flush, eased and finished.
 - 4. Spray paint panel face, background and edges.
- E. California / Title 24 Compliant Restroom Signs:
 - 1. Provide painted acrylic equilateral triangle panel with eased edges for attachment to Men's Restroom door.
 - 2. Provide painted acrylic circular disk panel with eased edges for attachment to Women's Restroom door.
 - 3. Provide painted acrylic equilateral triangle panel with eased edges and direct dig- ital print male and female symbols bonded over painted acrylic circular disk panel with eased edges for attachment to Unisex Restroom door.
- F. Regulatory Signs:
 - 1. Provide acrylic panel with eased edges and 1/8" radiused corners and with direct digital print copy and or symbol.
 - Production Options for Copy and Symbols on Signage: Screen print or Direct Digital print.

2.8 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying strippable, temporary protective covering before shipping
- B. Appearance of Finished Work / "Fabrication": Noticeable variations within the same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within range of approved Samples and are assembled or installed to minimize contrast.
- C. Appearance of Finished Work / "Paint": Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within range of approved samples and are assembled or installed to minimize contrast.

2.9 PAINT FINISH

- A. Performance Requirements: Five years acceptable performance is required of ap- proved paints systems. Acceptable performance is defined as follows:
 - 1. Will not crack, check, or peel (lose adhesion) except when cracking or crazing is a result of metal fracture.
 - 2. Will not fade or change in color when exposed painted surfaces (which have

been cleaned of external deposits and chalk), are measured by a spectrophotometer or color meter. It is understood that fading or color change may not be uniform if the surfaces are not equally exposed.

- a. Process requirements All surfaces shall be degreased, cleaned, and rinsed well. Drying the substrate may be necessary to prevent white rust. Remove any mill scale by sandblasting if necessary.
- b. Scuff metal surfaces and make ready for self-etching primer. Apply wash/filled primer, in multiple passes, yielding a minimum of .5 mil dry film thickness.
- c. Apply Low VOC paint finish , following the manufactures recommendations for mixing and application.
- d. Follow with a sprayed on, Ultra Low VOC protective clear coat/anti graffiti finish, adhering to the manufacturers recommendations for mixing and ap- plication. Final applied clear coat finish shall be Satin Clear.
- B. Perform crosshatch adhesion test on painted parts as prescribed by ASTM D3359-93 "Standard Test Methods for Measuring Adhesion by Tape Test".

2.10 BRUSHED AND POLISHED FINISH

- A. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
- B. Polished Finishes: Grind and polish surfaces to produce uniform finish, free of cross scratches.
 - 1. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean. Provide following finish where indicated.
 - a. Directional Satin Finish: No. 4 with grain Vertical, unless otherwise indicated.
 - b. Mirror like Reflective, Nondirectional Polish: No. 8
 - c. Radial Grind / Swirl pattern: Contractor to match pattern based upon pro- vided control sample.
- C. Provide pretreatment and protective clear coat finish to all areas of polished or brushed metal surfaces including brass, bronze, and stainless steel.
 - 1. Clear Coat finish: Comply with clear coat finish manufacturers written instructions for mixing and applying onto specific metal substrates.

2.11 COPY AND GRAPHICS APPLICATION

- General Requirements: Provide Adobe Type I Postscript Font available from Adobe Systems for copy applications except as otherwise noted on Drawings. Typestyle indicated on Drawings is for information only. For production, provide software able to reproduce project graphics exactly.
 - 1. Ensure that size and placement of copy comply with dimensions for letter height, line spacing, and placement as either noted on Drawings, in digital

files, or final approved lettering patterns.

- 2. Ensure that baselines of copy are straight and parallel with top or bottom of sign structure unless otherwise noted.
- 3. Ensure that edges of letterforms and numerals are true and smooth with straight and curved sections representing the specified Project typestyle exactly.
- 4. Letterforms, numerals and graphics shall be free of imperfections and distortions of straight lines or curves. Rounded letter forms shall extend slightly below nor- mal baseline per respective typestyle characteristics.
- B. Screen Printed Copy: Provide photo-mechanically produced screens for copy and characters from computer generated files. Print copy using fine mesh screens and screening inks.
 - 1. Pre-treat surfaces by applying one protective coat of clear acrylic polyurethane.
 - 2. Ensure that surface of letters are uniform in color, finish, and free of pinholes and imperfections.
 - 3. Match sign message and background colors to approved color samples in every respect for consistency in chroma, value, and coverage.
 - 4. Provide sign colors that maintain proper opacity or translucency and are free of blistering, bleeding, or fading. Color registration shall be crisp, sharp, and free of imperfection.
 - 5. Ink colors to match colors as specified on drawings.
- C. High Performance Graphics Film Applications: Provide machine cut film copy and characters from computer-generated files.
 - 1. Pre-treat surfaces for High Performance graphic film application in accordance with manufacturer's specifications and recommendations.
 - 2. Surfaces shall be smooth and free of dust, grease, wax, or other foreign matter prior to application.
 - 3. Spacing of copy shall be done according to approved samples utilizing pre- spacing application tapes.
 - 4. Provide film type and color to match type and color as specified on Drawings.
- D. Masked and Painted Copy and Graphics Applications: Provide machine cut copy and character painting masks from computer-generated files.
 - 1. Pre-treat surfaces for painting in accordance with paint manufactures specifications and recommendations.
 - 2. Surfaces shall be perfectly smooth and free of dust, grease, wax, or other foreign matter.
 - Paint types for application conditions to be in accordance with paint manufacturer's specification and recommendations. Paint colors to match colors as specified on Drawings.
- E. Direct Digital Print Copy and graphics Applications: Provide direct digital printing onto specified substrate from computer generated files using flat bed four color ink jet printer. Prepare surface for printing in accordance with printer manufactures specification and recommendations.
 - 1. Surfaces shall be smooth and free of dust, grease, wax, or other foreign matter prior to application.
 - 2. Ink types for application conditions to be in accordance with printer

manufacture specifications and recommendations. Ink colors to match colors specified on Drawings.

- 3. Minimum DPI / resolution requirements 600 DPI
- F. Direct Digital Printing:
 - 1. Material Substrate not limited to:
 - a. Aluminum sheet.
 - b. Adhesive backed vinyl film.
 - c. Painted acrylic sheet.
 - d. Unpainted acrylic sheet.
 - e. Painted polycarbonate sheet.
 - f. Unpainted polycarbonate sheet.
 - 2. Protective Finish Coatings not limited to:
 - a. Applied clear vinyl film.
 - b. Sprayed on protective finish.
 - c. Rolled on protective finish.
 - 3. Surfaces shall be smooth and free of dust, grease, wax or other foreign matter prior to application.
 - 4. Production Process: Provide digitally printed control samples of project color palette for fabricators to match with samples from their digital printing output, fabricator sample subject to approval.
- G. Anti-graffiti Coatings for sign Faces: Apply 3M Scotchcal Matte Overlaminate 3642 GPS anti-graffiti film to all sign faces. Apply after copy has been applied per manufacturer's instructions.
- H. Anti-Graffiti Coating applied to Finished Signs:
 - 1. Apply anti-graffiti aerosol spray coating in accordance with coating manufacturer's written recommendations for each application.
- I. Frisket masked and Painted:
 - 1. Mask and paint process onto material substrates, not limited to:
 - a. Painted aluminum.
 - b. Painted acrylic or polycarbonate.
 - c. Onto facility concrete or CMU wall surfaces.
 - 2. Preparation: Comply with paint manufacturer's written recommendation for each substrate to be painted.
 - 3. Protective Finish Coating:
 - a. Sprayed on clear coat; Select one of the following Low VOC finish sheens as determined by the Project Design Team, and on a per Project basis:

- 1) Matte.
- 2) Satin.
- 3) Gloss.

2.12 QUALITY CONTROL

- A. Provide work-in-progress sign elements for review. Scheduled viewings at Shop or Factory may be initiated as deemed necessary to ensure continued quality control during fabrication.
 - 1. Correct unsatisfactory items as directed.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of signage work.
- B. Verify that sign-support surfaces are within tolerances to accommodate signs.
- C. Verify that pre-installed anchors, if any, are correctly sized and located to accommodate signs.
- D. Verify existence of dedicated electrical circuit and location for support of illuminated signs.
- E. Locate pre-installed external sign lighting if applicable, and verify clearance for sign installation.
- F. Review documents and confirm conditions and dimensions indicated and identify number of units and locations of Project signage.
 - 1. Sign locations indicated on Drawings are for reference only. Exact locations shall be field verified with Owner's Representative prior to installation.
 - 2. Identify sign locations / placement on site using blue 3M painters tape strips ap- plied to the actual signage locations, and which incorporates the sign type item number.
- G. Proceed with installation only after any unsatisfactory field conditions have been corrected.

3.2 INSTALLATION

- A. General: Install Interior signage using installation methods indicated and in accordance with the manufacturer's written instructions.
 - 1. Signs shall be produced by authorized manufacturers and installed by Union sign companies where required. For the State of California, work shall be completed by C-45 licensed installers.
 - 2. Signs shall be installed only after securing proper permits and complying with local ordinances. Should a variance be required, installation shall be placed on hold until such time as proper authorization is granted.

- 3. Installation work shall be performed in accordance with OSHA standards (Occupational Safety and Health Administration). Equipment shall be operated in a safe manner, with safe clearances between the work area and any surrounding objects or structures.
- 4. Disposal of material shall be performed in accordance with prevailing environ- mental laws and governmental agencies.
- 5. Installation contractor shall not erect damaged signs or components. Shipping damage shall be reported to manufacturer and repair or replacement made prior to installation.
- 6. Installation work shall also be performed to be in compliance with OSHPD standards, and certain facilities may require additional coordination and approval, including an OSHPD inspection.
- 7. Install signage level and plumb, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
- 8. Install signs so they do not protrude or obstruct, in accordance with applicable accessibility standards.
- 9. Prior to installation, verify that sign components are clean and free of materials or debris that could impair installation.
- 10. Connect electrical signs to stubbed power source. Test lighting components after dark to ensure functionality.
- 11. Remove temporary protective coverings and strippable films as signs are in- stalled.
- 12. Installers to be knowledgeable regarding current Signage Code Requirements.

3.3 ADJUSTING AND CLEANING

- A. Adjust hardware and electrical equipment for proper operation.
- B. Clean glass, frames, and other signage surfaces in accordance with manufacturer's written instructions.
- C. Remove damaged or deformed signage, or any signage that does not comply with specified requirements. Replace with signage complying with requirements.
- D. Replace signs having damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.
- E. Maintain Interior signage in clean condition during remainder of construction and protect from damage until acceptance by Owner.
- F. Remove packing materials, cartons, and any trash from Site at end of each workday.
 - 1. To maximum extent possible, recycle materials in accordance with requirements of USGBC and the requirements and initiatives of agencies having jurisdiction.

3.4 MAINTENANCE

A. Initial Maintenance Service: Beginning at Substantial Completion, maintenance ser-vice shall include twelve [12] months' full maintenance by skilled employees of sign- age Installer. Include monthly preventive maintenance, repair or replacement of worn or defective components, cleaning, and adjusting as required for proper signage operation. Parts and supplies shall be manufacturer's authorized replacement parts and supplies.

- 1. Perform maintenance during normal working hours.
- 2. Perform emergency callback service during normal working hours with response time of two hours or less.
- B. Extended Maintenance Proposal: Submit an extended maintenance proposal from Installer to Owner, in the form of a standard One-year maintenance agreement, starting on the date that the initial maintenance service is concluded. State services, obligations, conditions, and terms for extension beyond original agreement period.

3.5 SUBSTANTIAL COMPLETION PROCEDURES

- A. Project Design Team's List of Incomplete Items (Punch List): Prepare and submit a list of items to be completed and corrected, indicating the value of each item on the list and reasons why the Work is incomplete.
- 3.6 INTERIOR SIGNAGE SCHEDULE

Graphics schedule document is to be used in conjunction with other components of contract documents, consisting of sign location plans and design drawings.

PART 4 – SIGNAGE GRAPHICS

4.1 TYPOGROPHY

FONT: DIN BOLD

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789

FONT: DIN REGULAR A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y z 0 1 2 3 4 5 6 7 8 9

4.2 GRAPHIC STANDARDS

FONT: DIN BLACK

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789

FONT: DINCOND MEDIUM ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789

- ALL TYPESETTING SHALL BE PROVIDED BY SIGN CONTRACTOR. LETTER SPACING SHALL BE "NORMAL" SPACING FOR ALL SIGNS EXCEPT AS SPECIFIED OTHERWISE. SIGN CONTRACTOR SHALL PROVIDE SKA WITH TYPICAL SPACING PATTERNS FOR APPROVAL PRIOR TO FABRICATION.
- 2. ALL INSTALLATION LOCATIONS & CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION. SIGN CONTRACTOR SHALL COORDINATE ALL SIGNAGE INSTALLATIONS WITH GENERAL CONTRACTOR.
- 3. SIGN CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR ALL MATERIAL DETAILS & SPECIFIC INSTRUCTIONS.
- 4. SIGN CONTRACTOR SHALL PROVIDE ALL ENGINEERING OF SIGN & GRAPHIC ITEMS INCLUDING, BUT NOT LIMITED TO, INTERNAL SIGN STRUCTURE, ELECTRICAL & MECHANICAL PARTS, CONCRETE FOOTINGS & BASES. ALL ITEMS SHALL BE ENGINEERED TO SATISFY APPLICABLE CODES & REGULATIONS. SHOP DRAWINGS SHALL CARRY THE ENGINEER'S STAMP & BE SIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER.
- ALL ATTACHMENT DETAILS SHALL BE SHOWN ON FABRICATOR'S SHOP DRAWINGS & SHALL BE SUBMITTED TO SKA FOR APPROVAL PRIOR TO FABRICATION. ALL SIGNS SHALL BE INSTALLED AS PER EXISTING/CURRENT CODE REQUIREMENTS FOR SAFE & SECURE MOUNTING.

- 6. EVACUATION MAPS: IT SHALL BE THE RESPONSIBILITY OF THE SIGN CONTRACTOR TO PREPARE ALL GRAPHIC LAYOUTS OF FLOOR PLANS OR THE EVACUATION MAPS BASED ON THE MAP DESIGN SHOWN IN THE CONTRACT DOCUMENTS. SIGN CONTRACTOR SHALL INCLUDE ON THE SIGN LAYOUTS ALL REQUIRED INFORMATION AS DESCRIBED IN TITLE 19 (3.09) OF THE CALIFORNIA CODE OF REGULATIONS. SIGN CONTRACTOR SHALL OBTAIN ALL APPROVALS FROM THE APPROPRIATE FIRE DEPARTMENT REPRESENTATIVES & PREPARE ALL CAMERA-READY ART, IN ADDITION TO THE FABRICATION OF ALL SIGNS. CAMERA-READY ART SHALL BE SUBMITTED FOR REVIEW BY SKA PRIOR TO FABRICATION.
- ALL SIGNS SHALL CONFORM TO C.B.C. SECTIONS 1117B.5, 1103.2.4. TACTILE EXIT SIGNAGE SHALL BE PROVIDED PER C.B.C. SECTION 1003.2.8.6. TACTILE SIGN CHARACTERS SHALL BE RAISED 1/32", SAN SERIF UPPERCASE, 5/8" (MIN.) TO 2" (MAX.) HIGH. TACTILE COPY SHALL BE ACCOMPANIED BY CALIFORNIA CONTRACTED GRADE 2 BRAILLE.

4.3 SYMBOLS



4.4 MATERIALS & COLORS



4.5 GRADIANT AND NOTES

TYPICAL GRADIENT DIAGRAM FOR SIGN TYPES: 27, 31, 40, 51, 42, 43, 45, 46, 48



TYPICAL for SIGN TYPES: 20, 21, 25, 26



4.6 SIGN TYPES

a. Sign Type 26- Wayfinding Directional



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b. Sign Type 30- Dimensional Copy



c. Sign Type 31- Department Identification Plaque



d. Sign Type 40- Room Identification – Tactile & Braille



e. Sign Type 42- Patient Room Identification – Tactile & Braille Plague



Inserts to be provided with each sign:



f. Sign Type 43- Room Identification Tactile & Braille In-Use Window



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g. Sign Type 44- Bed Identification



h. Sign Type 45- Restroom Identification - ADA



i. Sign Type 46 -Restroom Identification - Title 24



VCMC PEDIATRIC UNIT

j. Sign Type 49 - Room Number Identifier on Door Frame



k. Sign Type 52- Emergency Evacuation





I. Sign Type 53- Equipment Identification Flag



m. Sign Type 70- Information/Regulatory - Small Plague



EQ. 18 SIGN ADHERED TO WALL/DOOR WITH SILICONE AND VHB TAPE 4 PLAN VIEW SCALE: Half Size Î -7/8*---7/8°-If you think you are 3 CONTEXT ELEVATION SCALE: 1/2"=1'- 0" pregnant, or if you are /8" THICK ACRYLIC SPACER PANEL nursing please inform-SCREENED COPY, DARK GRAY 3M DURANODIC 3630-69 the technologist. 7.147 Si usted piensa que 7/8" 24. WARNING STRONG 9116° está embarazada o MAGNETIC FIELD and aro está lactando, favor de ADVERTENCIA 34. 12 No pacemakers, infórmárselo al metallic implants, neurostimulators or conocidas en el Estado de Cali lor causar cáncer, defectos de tecnólogo. loose metal objects 7/8* beyond this point 7/8* 34 1 SIDE VIEW INFORMATION/REGULATORY PLAQUE - LARGE 2 ALTERNATE LAYOUT SCALE: 3" = 1'-0" 71 SCALE: 6* = 1'-0* SCALE: 6" = 1"-0"

n. Sign Type 71- Information/Regulatory – Large Plague

Type	Level	Sign No.	Room #	Sign Message	Otv.	LP	DD	Notes
		5.6.110.	11001111	[Up Arrow]	del.			notes
				Patient Booms 1-6				
				Habitaciones 1.6				
				[Bight Arrow]				
				Ratiant Rooms 7.12				
				Habitacionas 7.13				
				Plau Room				
	100			Play Room				
26	2	2-26-01	2059	Sala Para Jugar	1			VCMC to Confirm
				[Left Arrow]				
				Exot				
				Salida				
				[Right Arrow]				
				Patient Rooms 1-6				
26	2	2-26-02	2C56	Habitaciones 1-6	1			VCMC to Confirm
				[Left Arrow]				
				Patient Rooms 1-4				
				Habitaciones 1-4				
				Exit				
				Salida				
				[Right Arrow]				
				Patient Room 5				
26	2	2-26-03	2C57	Habitacion 5	1			VCMC to Confirm
				[Up Arrow]				
				Patient Room 5				
				Habitacion 5				
				[Right Arrow]				
				Patient Rooms 6-13				
				Habitaciones 6-13				
				Play Room				
26		3 36 04	2057	Flay Room				WELE to Confirm
26	2	2-26-04	2057	Sala Para Jugar	1			VCMC to Confirm
				[Up Arrow]				
				Patient Room 8				
				Habitacion 8				
				[Left Arrow]				
				Patient Rooms 1-7				
				Habitaciones 1-7				
				Play Room				
26	2	2-26-05	2C60	Sala Para Jugar	1			VCMC to Confirm
				[Left Arrow]				
				Patient Room 8				
				Habitacion 8				
				[Right Arrow]				
				Patient Rooms 9-13				
				Habitaciones 9-13				
				Play Room				
				Sala Para Jugar				
				Exit				
26	2	2-26-06	2058	Salida	1			VCMC to Confirm
				[Left Arrow]				
				Patient Rooms 7-13				
				Habitaciones 7-13				
				[Right Arrow]				
				Play Room				
26	2	7,76,07	2058	Sala Para lugar				VCMC to Coofirm
20	6	2-20-07	2630	[Lip Arrow]				Terre to commit
				Patient Person 7.12				
				Patient Rooms 7-13				
				Habitaciones 7-13				
				[Right Arrow]				
				Patient Rooms 1-6				
				Habitaciones 1-6				
				Exit				
26	2	2-26-08	2C59	Salida	1			VCMC to Confirm

4.7 MESSAGE SCHEDULE [AGENCY shall provide excel document upon request.]

10 14 13– INTERIOR SIGNAGE Page 37 of 47 BID ADDENDUM NO. 1
				PEDATRIC UNIT		
30	2	2-30-01	2C60	PATIENT ROOMS 1-13	1	VCMC to Confirm
				PEDATRIC UNIT		
				PATIENT ROOMS 1-13		
	1.22			DEPARTMENTO DE PEDIATIA	62	
31	2	2-31-01	2060	HABITACIONES 1-13	1	VCMC to Confirm
				ROOM		
				Room#		
40	2	2-40-01	2C39	[Braille]	1	
				SLEEP ROOM		
				Room#		
40	2	2-40-02	4C41	[Braille]	1	VCMC to Confirm Name
				EVS		
				1000000		
222	1.27			Room#	12	
40	2	2-40-03	2C40	[Braille]	1	
				ELECTRICAL/ TELECOM		
				Room#		
40	2	2-40-04	2C02.1	[Braille]	1	
40		2-40-05				Not Used
				ELECTRICAL		
				Roomit		
40	2	2-40-06	2001	[Braille]	1	
40		2-10-00	2001	OFFICE		
				Room#		
40	2	2-40-07	2C43	[Braille]	1	
				MED		
				ROOM		
				Room#		
40	2	4-40-08	2C51	[Braille]	1	
				NOURISHMENT		
				0t		
40		4.40.00	2050	(Braile)		
40		4-40-07	2030	EQUIPMENT STORAGE	1	
				Room#		
40	2	4-40-10	2C11	[Braille]	1	
				CLEAN		
				UTILITY		
				Room#		
40	2	2-40-11	2C46	(Braille)	1	
				SOILED		
				UTILITY		
				Roomit		
40	2	2-40-12	2047	[Braille]	1	
40	-	2-10-12	2547	FORMULA		
				Room#		
40	2	2-40-13	2C48	[Braille]	1	
				NOURISHMENT		
				Decem!		
40		2.40.14	2050	(Repille)	1	
40	4	2-40-14	2030	[Contemport]		

10 14 13– INTERIOR SIGNAGE Page 39 of 47 BID ADDENDUM NO. 1

				MED		
				ROOM		
				Room#		
40	2	2-40-15	2C51	[Braille]	1	
				PLAYROOM		
				Room#		
40	2	2-40-16	2C32	[Braille]	1	
				STAFF		
				BREAK		
				Room#		
40	2	2-40-17	2C33	[Braille]	1	
				EQUIPMENT		
				STORAGE		
				Room#		
40	2	2-40-18	2C35	[Braille]	1	
				EXAM		
				ROOM		
				Room#		
40	2	2-40-19	2C36	[Braille]	1	
				WHEELCHAIR		
				STORAGE		
				Room#		
40	2	2-40-20	2C37	[Braille]	1	
				PLAY		
				YARD		
2022				Room#		
40	2	2-40-21	2C37	[Braille]	1	
				PEDIATRIC		
				(brame)		
42	2	2.42.01	2002	[Insert Copy]	1	
42	-	2-42-01	2005	PEDIATRIC	1	
				18		
				[Braille]		
				(Lease)		
42	2	2-42-02	2003	[Insert Copy]	1	
	_			PEDIATRIC	-	
				2		
				[Braille]		
				1000000000		
42	2	2-42-03	2005	[Insert Copy]	1	
				PEDIATRIC		
				3		
				[Braille]		
42	2	2-42-04	2C07	[Insert Copy]	1	
0				PEDIATRIC		
				4 A		
				[Braille] [ISA Symbol]		
42	2	2-42-05	2009	[Insert Copy]	1	
				PEDIATRIC		
				48		
				[Braille] [ISA Symbol]		
				line of Court	3 C	
	2	2-42-06	2009	[Insert Copy]	1	

VCMC PEDIATRIC UNIT

10 14 13– INTERIOR SIGNAGE Page 40 of 47 BID ADDENDUM NO. 1

				PEDIATRIC		
				Airborne		
				Infection Room		
				5		
				[Braille]		
42	2	2-42-07	2C12	[Insert Copy]	1	
				PEDIATRIC		
				6		
				[Braille]		
42	2	2-42-08	2C15	[Insert Copy]	1	
				PEDIATRIC		
				7		
				[Braille]		
42	2	2-42-09	2C17	[Insert Copy]	1	
				PEDIATRIC		
				8		
				(Braille)		
42	2	2-42-10	2C20	[Insert Copy]	1	
				PEDIATRIC		
				9		
				[Braille]		
42	2	2-42-11	2C22	[Insert Copy]	1	
				PEDIATRIC		
				10		
				(Braille)		
42	2	2-42-12	2C24	[Insert Copy]	1	
				PEDIATRIC		
				11		
				(Braile)		
42	2	2-42-13	2C26	[Insert Copy]	1	
				PEDIATRIC		
				12		
				[Braille]		
42	2	2-42-14	2C28	[Insert Copy]	1	
				PEDIATRIC		
				13 A		
				[Braille]		
42	2	2-42-15	2C30	[Insert Copy]	1	
		E 46 45	2000	PEDIATRIC		
				13 B		
				(Braille)		
42	2	2-42-16	2C30	[Insert Copy]	1	
				CONFERENCE ROOM		
				Room#		
43	2	2-43-01		[Braille]	1	IN USE
				[side 1]		
				D Isida 21		Confirm location actor
44	2	2.44.02	2002	pide 2) B	1	to installation
44	4	2-44-02	2003	[side 1]		to mound ton
				A		
				[side 2]		Confirm location prior
44	2	2-44-03	2009	A	1	to installation

VCMC PEDIATRIC UNIT

				[side 1]		
				в		
				[side 2]		Confirm location prior
44	2	2-44-04	2C09	В	1	to installation
				[side 1]		
				A		
				[side 2]		Confirm location prior
44	2	2-44-05	2C30	A	1	to installation
				[side 1]		
				в		
				[side 2]		Confirm location prior
44	2	2-44-06	2C30	В	1	to installation
				[Non-Gender, ISA symbol]		
				STAFF ONLY NON GENDER		
				RESTROOM		
45	2	2-45-01	2C45	[Braille]	1	
				[Non-Gender]		
				NON GENDER		
				RESTROOM		
45	2	2-45-02	2C34	(Braille)	1	
				[Non-Gender, ISA symbol]		
				NON GENDER		
				SHOWER ROOM		
45	2	2-45-03	2C52	[Braille]	1	
				[Non-Gender]		
				NON GENDER		
2				SHOWER ROOM	5 C	
45	2	2-45-04	2C53	[Braille]	1	
				[Non-Gender]		
				NON GENDER		
45		3 45 05	2042	(Braille)		
45	2	2-45-05	2042	[Branie]	1	
40	2	2-40-01	2045	[Non-Gender Symbol]	1	
46	2	2-46-02	2059	[Non-Gender Symbol]	1	
46	2	2-46-04	2052	[Non-Gender Symbol]	1	
46	2	2-46-05	2042	[Non-Gender Symbol]	1	
		2 10 02		from denser of mont		To be installed at uppe
						right corner of each
						rooms door frame (not
49	2	2-49-01		2001	1	shown on plan)
						To be installed at uppe
						right corner of each
						rooms door frame (not
49	2	2-49-02		2C202.1	1	shown on plan)
						To be installed at uppe
						right corner of each
						rooms door frame (not
49	2	2-49-03		2C02	1	shown on plan)
						To be installed at uppe
						right corner of each
						rooms door frame (not
49	2	2-49-04		2C39	1	shown on plan)
						To be installed at uppe
						right corner of each
						rooms door frame (not
49	2	2-49-05		2C41	1	shown on plan)
						To be installed at uppe
						right corner of each
	1000	1000		2000	12	rooms door frame (not
49	2	2-49-06		2C40	1	shown on plan)

					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-07	2C03	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-08	2004	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-09	2005	1	shown on plan)
	-	2 10 00			To be installed at upper
					right corner of each
					rooms door frame loot
40		3 40 10	3000		shows on plan
49	2	2-49-10	2006	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-11	2C07	1	shown on plan}
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-12	2008	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-13	2009	1	shown on plan)
10		6 10 20			To be installed at upper
					right corner of each
					rooms door frame loot
40		2 40 44	2010		rooms door mame (not
49	2	2-49-14	2010	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-15	2C11	1	shown on plan}
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-16	2C12	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-17	2C12	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame loot
40	2	3.40.19	2012	1	shown on plant
49	2	2-43-10	2013	1	To be installed at unner
					ro be instaned at opper
					right corner of each
1102			(1)		rooms door frame (not
49	2	2-49-19	2C14	1	shown on plan}
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-20	2C15	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-21	2C16	1	shown on plan)
		- 17 88			To be installed at upper
					right corner of each
					rooms door frame loot
40		3 40 33	2017		chown co clock
49	2	2-49-22	2017	1	shown on planj

PROJECT NO. CP21-04

					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-23	2C18	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-24	2019	1	shown on plan)
45		2.45.24	2013	*	To be installed at unper
					sight corner of each
					right corner of each
		2 40 25	2020		rooms door frame (not
49	2	2-49-25	2020	1	snown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-26	2C21	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-27	2C22	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-28	2023	1	shown on plan)
47		243-20		*	To be installed at upper
					right corner of each
					right corner or each
		2 40 20			rooms door frame (not
49	2	2-49-29	2024	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-30	2C25	1	shown on plan}
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-31	2C26	1	shown on plan}
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-32	2C27	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame loot
49	2	7.49.22	2028	1	shown on plan)
43	6	2-43-33	0333	*	To be installed at unner
					robe instance at opper
					right corner of each
	1.25				rooms door trame (not
49	2	2-49-34	2C29	1	shown on plan}
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-35	2C30	1	shown on plan}
					To be installed at upper
					right corner of each
					rooms door frame (not
49	2	2-49-36	2C31	1	shown on plan)
					To be installed at upper
					right corner of each
					rooms door frame loot
40	2	7.40.27	2022	14	shown on also
49	2	2-49-37	2532	1	To be installed at users
					to be installed at upper
					right corner of each
1	10.255	10000000	100000		rooms door frame (not
49	2	2-49-38	2C33	1	shown on plan)

10 14 13– INTERIOR SIGNAGE Page 43 of 47 BID ADDENDUM NO. 1

10 14 13– INTERIOR SIGNAGE Page 44 of 47 BID ADDENDUM NO. 1

						To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-40		2C35	1	shown on plan)
						To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-41		2C36	1	shown on plan}
						To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-42		2C37	1	shown on plan}
						To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-43		2C42	1	shown on plan)
						To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-44		2C43	1	shown on plan)
						To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-45		2C45	1	shown on plan)
						To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-46		2C46	1	shown on plan)
	-	2 10 10				To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-47		2C47	1	shown on plan)
45		E 49 47		2017		To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-48		2048	1	shown on plan)
45		2 45 40		2010		To be installed at upper
						right corner of each
						rooms door frame loot
40		2.40.40		2050	1	shown on plan
47	1	2:47:47		2030		To be installed at upper
						right corner of each
						rooms door frame lost
40		3 40 50		3050	<u></u>	shows on slas)
49	2	2-49-50		2030	4	To be installed at upper
						To be installed at upper
						right corner of each
		2 40 54		2000		rooms door frame (not
49	2	2-49-51		2051	1	shown on plan)
						To be installed at upper
						right corner of each
122	1225				0	rooms door frame (not
49	2	2-49-52		2C51	1	shown on plan)
						To be installed at upper
						right corner of each
					10.04	rooms door frame (not
49	2	2-49-53		2C52	1	shown on plan)
						To be installed at upper
						right corner of each
						rooms door frame (not
49	2	2-49-54		2C53	1	shown on plan}
52	2	2-52-01	2C58	[Evacuation Plan]	1	

VCMC PEDIATRIC UNIT

2

2-49-39

2C34

49

1

To be installed at upper right corner of each rooms door frame (not

shown on plan)

BID ADDENDUM NO. 1

10 14 13- INTERIOR SIGNAGE
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53	2	2-53-01	2C55	FEC		1	to installation
244	33275	- 2000 Mar	1007/03	10000		~	Confirm location prior
53	2	2-53-02	2C56	FEC		1	to installation
							Confirm location prior
53	2	2-53-03	2C56	FEC		1	to installation
							Confirm location prior
53	2	2-53-04	2C56	FEC		1	to installation
							Confirm location prior
53	2	2-53-05	2C56	FEC		1	to installation
					Authorized		
					Personnel		
100	1000	12.000000	10101010		Only		
70	2	2-70-01	2C01		[stop symbol]	1	
					Authorized		
					Personnel		
					Only		
70	2	2-70-02	2C39		[stop symbol]	1	
					Authorized		
					Personnel		
			10000		Only	32	
70	2	2-70-03	2C02.1		[stop symbol]	1	
					Authorized		
					Personnel		
					Only		
70	2	2-70-04	2C41		[stop symbol]	1	
					Authorized		
					Personnel		
	1000				Only	10	
70	2	2-70-05	2C40		[stop symbol]	1	
					Authorized		
					Personnel		
-					Only		
70	2	2-70-06	2002		[stop symbol]	1	
					Authorized		
					Personnel		
-		2 20 02	2007		Only	12	
70	2	2-70-07	2007		[stop symbol]	1	
					Authorized		
					Personnel		
70		3 70 00	2000		Only		
70	2	2-70-08	2051		[stop symbol]	1	
					Authorized		
					Personnel		
70		3 70 00	2050		Isten symboli		
70	2	2-70-09	2050		[stop symbol]	1	
					Remonal		
					Personner		
70		3 70 10	2011		(stee sumbel)		
/0	2	2-70-10	2011		(stop symbol)	1	
					Personnal		
					Only		
70		2,70.11	2002		Iston sumball		
/0	2	2-70-11	2002		[Stop symbol]	1	
					piouszaro symbolj		
70		2,70,12	2047		Authorized Percencel Only		
70	2	2-70-12	2047		DELAYED CORES SIGN	1	White to conside the
71	2	2-71-01	2055		DELATED EGRESS SIGN	1	VCMC to provide text
71	2	2-71-02	2056		ENTRANCE INSTRUCTIONS	1	VCMC to provide text
11		2-/1-0.5	1.33		ENTRAINE INSTRUCTIONS	1	VI. MIL TO DECADE TEXT

VCMC PEDIATRIC UNIT

PROJECT NO. CP21-04

Confirm location prior

SIGNAGE LOCATION PLAN 4.8



END OF SECTION

PLANS

VCMC PEDIATRIC UNIT SPEC NO. CP21-04 **BID ADDENDUM NO. 1**



FILE PATH: P:\A000495 VCMC PEDIATRICS WING\DRAWINGS\CONST DOCS\REVISION DRAWINGS\XA-01.DWG PLOTTED: 12:39 PM

THIS SHEET WAS ORIGINALLY PRINTED ON A 8-1/2"x11" SHEET.



	PROJECT	PEDIAT HCAI F	RIC_UNIT PROJECT_#S	202495-5	6-00
	SCALE: 1	/4" =	1'-0"	ATTACH: >	(E-01
300) HILLMON	IT AVE.,	VENTURA, (CA	
RCHI	TECTURE		PLANNING		INTERIORS
СА	LIFORNIA	93001		(805)	648-1234

NEW BRANCH-CIRCUIT PANELBOARD											
										LPBB	
SER	VICE:	208	3Y/12	20V	S/N	١	3P 4W	/	BUS: 10	0A	LOCATION: ELECTRICAL 2C02.1
MAIN	N BREA	٩KE	R: L	UG:	S ONI	_Y			FEEDEF	R: SEE SINC	GLE LINE DIAGRAM VER: A7
ENT	ER CA	B'T	AT:	TOF	D				MOUNT	ING: SURF	ACE MINIMUM AIC RATING: 10,000
С	Т	Р	R			L	VOLT		VOLT		
	R	0	E	T	Н	0	AMPS	AMPS	AMPS		
R	I		c	G	P	A	A	В	C		
C	P	E	-			Ы	000				DESCRIPTION
2	20	1	5 1			2	720			2002, 200	13 13 2004
3	20		3			2	120	540		2002, 200	5, 2004
4	20	1	2			2		360		2C03	
5	20	1	4			2			720	2C09,2C10	0
6	20	1	4			2			720	2C09	
7	20	1	4			2	720			2C13	
8	20	1	3			2	540			2C13	
9	20	1	4			2		720		2C05	
10	20	1	3			2		540	540	2C05	
11	20	1	3			2			540	2007	
12	20	1	3			2	540		540	2007	
14	20	1	4			2	720			2015 201	6
15	20	1	4			2	120	720		2C17.2C18	8
16	20	1	3			2		540		2C17	
17	20	1	4			2			720	2C28, 2C2	9
18	20	1	3			2			540	2C28	
19	20	1	4			2	720			2C30, 2C3	1
20	20	1	4			2	720			2C30	
21	20	1	4			2		720		2C24	
22	20	1	3			2		540	540	2024	
23	20					2			720	2020	7
25	20	1	3			2	540		720	2020,2027	·
26	20	1	4			2	720			2C20.2C21	1
27	20	1	5			2		900		2C22, 2C2	3
28	20	1	2			2		540		2C22	
29	20	1	5			2			900	2C32,2C33	3
30	20	1	5			2			900	2C32,2C33	3
31	20	1	5			2	900			2C32,2C33	3
32	20	1	4			2	720	700		2032,2033	3 7 2041 2042
33	20	1	4			4		720		2030,2037	7,2041,2042
35	20	1	4			2		120	720	2033,2037	7 2040,2041
36	20	1	4			2			720	2C33 2C40	0.2C41
37	20	1				Ħ	0			SPARE	-,
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39	20	1	2			2		360		2C02	
4Ŏ	20 20	<u>1</u>	²			2		<u> </u>	× • •	2C33, 2C4	$\gamma \sim \cdots \sim \cdots \sim \cdots \sim \cdots \sim \cdots \sim \gamma$
41	20	1				Ļ			0	SPARE	
42	20	Ľ	Ľ,	Ļ		2		0000	180	2C59	
CON		ED		<u>7) U</u>	/A)		8460	8280	8460	25200	71 MAX. PHASE AMPS
COM	IP. LOA	AD	FAC	IOF	<u> (</u> VA))	0	0	0	0	
CON					$\frac{1}{2}$		8460	8280	8460	25200	71 MAX. PHASE AMPS
CON					(VA) VA)		8460	8280	8460	25200	
	5001		207	С (•/ 9		0400				



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REFER TO DRAWING E4.1 FOR ADDITIONAL NOTES.





	JEB No 2027-00
IRJ	ENGINEERS, INC.

IRJ ENGINEERS, INC. MECHANICAL & ELECTRICAL ENGINEERS

4517 MARKET STREET, SUITE 1B VENTURA, CALIFORNIA 93003 (805) 642-2355

FOR PLAN REVEW ONLY

TITLE: PANEL LPBE	3 SCHEDULE	PEDIATRIC UNIT PROJECT: HCAI PROJECT #S202495-56-00						
ADDN. 01	DATE: 10/19/2022	SCALE: NTS	аттасн: ХЕ—02					
FACILITY: VENTURA COUNTY MEDICAL CENTER, 300 HILLMONT AVE., VENTURA, CA								
RASMUSSEN & AS	SSOCIATES ARCH.	ITECTURE PLANNING	INTERIORS					
21 S. CALIFORNIA	STREET VENTURA, CA	LIFORNIA 93001	(805) 648-1234					

	MURAL SCHEDU	JLE							
	Project Name:	PEDIATRIC UNIT, 2ND FLR FAINER WING							
	Date:	1/:	28/2022						
3									
	DECODIDEION								
	DESCRIPTION		SIZE						
		WIDTH	HEIGHT	MURAL	LOCATI	OUANT			
					ON	ΙΤΥ			
2002	CONFERENCE ROOM	12'-11"	8'-6"	VWC5	SOUTH	1	SURF		
2C03	PEDS DBL	6'-5"	6'-0"	VWC3	SOUTH	1	CI ANIMALS		
2C05	PEDS	4'-7"	6'-0"	VWC1	SOUTH	1	SEA LIFE		
2C07	PEDS	4'-7"	6'-0"	VWC1	SOUTH	1	SEALIFE		
2C09	PEDS DBL	6'-1"	6'-0"	VWC3	SOUTH	1	CI ANIMALS		
2C13	ISOLATION	6'-9"	6'-0"	VWC1	SOUTH	1	SEALIFE		
2C15	PEDS	6'-8"	6'-0"	VWC1	WEST	1	SEALIFE		
2C17	PEDS	8'-6"	6'-0"	VWC2	WEST	1	SEA BIRDS		
2C20	ISOLATION	6'-4"	6'-0"	VWC2	NORTH	1	SEA BIRDS		
2C22	PEDS	4'-7"	6'-0"	VWC1	NORTH	1	SEA BIRDS		
2C24	PEDS	4'-7"	6'-0"	VWC1	NORTH	1	SEA BIRDS		
2C26	PEDS	4'-7"	6'-0"	VWC3	NORTH	1	CI ANIMALS		
2C28	PEDS	4'-7"	6'-0"	VWC4	NORTH	1	COLLAGE		
2C30	PEDS DBL	8'-3"	6'-0"	VWC4	NORTH	1	COLLAGE		
2C32	PLAYROOM			VWC4			COLLAGE		
2C56	CORRIDOR	13'-8"	6'-0"	VWC6	SOUT	1			
					Н				
2C56	CORRIDOR	13'-8"	6'-0"	VWC7	SOUT	1			
					н				
2C56	CORRIDOR	14'-8"	6'-0"	VWC8	SOUT	1 🗐			
					н				
2C57	CORRIDOR	8'-7"	6'-0"	VWC9	WEST	1			
2C57	CORRIDOR	8'-7"	6'-0"	VWC10	WEST	1			
2C58	CORRIDOR	13'-8"	6'-0"	VWC6	NOR⊺ H	1			
2C58	CORRIDOR	13'-8"	6'-0"	VWC7	NORT	1			
2C58	CORRIDOR	13'-2"	6'-0"	VWC8	H NORT	1			
					Н				

ROJECT	VCMC PEDIATRIC UNIT- FAINER WING-2ND FLOOR		ROOM FINISH S	CHEDU	JLE				T	<u> </u>		T	Ĩ				<u> </u>
	INTERIOR FINISHES MASTER LEGEND		Project Name:	PEDIA		IT, VCMO	, 2ND	FLR F	AINER	WING,	300 HIL	LMONT	VENT	URA, CA	Á		
DATE	1/28/2022 (UPDATED 10/13/2022)		Date:	10/	13/2022					-							
Vev	SDECIEICATIONS															1	
Ale I.	JECIFICATIONS		-		•												
			DESCRIPTION		FLO	ORS				WALLS		CLG		L CABI	NETRY		
CPT1	SOLUTION DYED, ANTRON LEGACY. TYPE 6.6., 18" x 36" TILE																
				CPT	RESILIENT	CERAMIC	BASE	PAINT	TILE	MURAI		C	CTR	НІСН	BASE &	CAB	
CT1	DALTILE WALL CLASSIC COLOR WHEEL. OCEAN BLUE 1049. 3X6 MATTE FINISH. PATTERN TBD				FLOORING	TILE/				(SEE	PRO PA	NEL		CTR	UPPER	&BENC	
CT2	DAL TILE WALL.CLASSIC COLOR WHEEL. GALAXY. 1469. 3X6. MATTE FINISH. PATTERN TBD.									SCHED						H	
CT3	DALTILE WALL. CLASSIC COLOR WHEEL. DESERT GREY X114. 3X6. MATTE FINISH. PATTERN TBD									SIZE							
CT4 CT5	DALTILE FLOOR. KEYSTONES COLLECTION. OCEAN BLUE D159. 2X2 MATTE. PATTERN TBD																
CT6	DALTILE FLOOR. KEYSTONES COLLECTION. DESERT GREY D014. 2X2 MATTE. PATTERN TBD	2C01	ELECTRICAL		EX			EX		QUAN)							
	CERAMIC TILE BASE	2CO2.1			RES1		RTB2	EG4									<u>eude</u>
CTB1	DAL TILE FLOOR BASE TO COORDINATE WITH FLOOR TILE TBD	2C02 2C03	PEDS DBL	CPTT	RES2		SCB	EG4 EG1		VWC3			SS1			PL5	CI ANIMALS
	DECORATIVE PANELS	2C04	TOILET			CT4, 5, 6	CTB1	5 04	CT1,2,3			EG					
DP1	3 FORM VARIA ECORESIN. PATTERN: CURRENT. COLOR: MARINE , 3/8". 4' X 8' PANELS. FINISH:	2C05 2C06	TOILET		RES2	CT4, 5, 6	CTB1	EG1	CT1,2,3	VWC1		EG EG	<u> 551</u> 			PL5	SEA LIFE
DP2	3 FORM VARIA ECORESIN. PATTERN: SEAWEED. 3/8". 4' X 8' PANELS. FINISH: SANDSTONE.	2C07	PEDS		RES2		SCB	EG1		VWC1		EG	SS1			PL5	SEALIFE
	EGGSHELL FINISH PAINT	2C08 2C09	TOILET PEDS DBL	-	RES2	CT4, 5, 6	CTB1 SCB	EG1	CT1,2,3	VWC3		EG	SS1			PL5	CLANIMALS
EG1	SHERWIN WILLIAMS SW 6504 SKY HIGH. FINISH: EGGSHELL.	2C10	TOILET			CT4, 5, 6	CTB1		CT1,2,3			EG					
EG2 EG3	SHERWIN WILLIAMS SW 6478 WATERY, FINISH: EGGSHELL. SHERWIN WILLIAMS SW 7006 EXTRA WHITE, FINISH: EGGSHELL.	2C11	EQUIPMENT STORAGE		RES2		RTB2	S1			WP1						
EG4	DUNN EDWARDS. DEW341. SWISS COFFEE. FINISH: EGGSHELL.	2C12	ANTE		RES2		SCB	EG1			а А. — — — — — — — — — — — — — — — — — — —		SS1		PL5		
0.074		2C13			RES2	CT4 5 6	SCB CTB1	EG1	CT1 2 3	VWC1		FG	SS1			PL5	SEALIFE
GRT1 GRT2	CUSTOM BUILDING PRODUCTS. GROUT/EPOXY COLOR: BLEACHED WOOD #545 CUSTOM BUILDING PRODUCTS. GROUT COLOR: GRAYSTONE # 542	2C15	PEDS		RES2		SCB	EG1	011,2,0	VWC1			SS1			PL5	SEALIFE
		2C16		-	PES2	CT4, 5, 6	CTB1	EG1	CT1,2,3			EG				DI 5	
PL1	WILSONART. STANDARD LAMINATE. DESIGNER WHITE D354-60 MATTE FINISH.	2C17 2C18	TOILET		NL02	CT4, 5, 6	CTB1		CT1,2,3	VVVC2		EG	<u> </u>				
PL2 PL3	PIONITE.SURFIN' USA. SV713SD TEXTURED SUEDE. WILSONART STANDARD LAMINATE. BLUE AGAVE 4919-60 MATTE FINISH.	2C19 2C20		-	RES2		SCB SCB	EG1	-	VWC2		EG	SS1	3	PL5	PI 5	SEA BIRDS
PL4 PL5	WILSONART STANDARD LAMINATE. TANGERINE 4915-60 MATTE FINISH. WILSONART LAMINATE ASIAN SAND 7952K-18 AFON SCRATCH RESISTANT	2C21	TOILET	-		CT4, 5, 6	CTB1		CT1,2,3			EG					
1 23		2C22 2C23			RES2	CT4 5 6	SCB CTB1	EG1	CT123	VWC2		EG			-	PL5	SEA BIRDS
RTB1	RUBBER TOPSET BASE MANNINGTON/BURKE RUBBER.EDGE EFFECTS BASE, COLOR: 099 ARMADA, TYPE TP. 6" H.	2C24	PEDS	-	RES2		SCB	EG1		VWC2		EG	SS1			PL5	SEA BIRDS
RTB2	MANNINGTON/BURKE RUBBER EDGE EFFECTS BASE. COLOR: 205 CREAM. TYPE TP. 6" H.	2C25 2C26		-	RES2	CT4, 5, 6	CTB1 SCB	FG1	CT1,2,3	VWC3		EG EG				PI 5	C.L.
	RESILIENT SHEET VINYL FLOORING	2C27	TOILET			CT4, 5, 6	CTB1		CT1,2,3			EG					
RES1	TEKNOFLOR HOMOGENEOUS SHEET VINYL. MEDSCAPES HPD V2. 88615P. MILKY BLUE. 6'-7"W.	2C28 2C29	PEDS TOILET	-	RES2	CT4, 5, 6	SCB CTB1	EG1	CT1.2.3	VWC4		EG EG				PL5	COLLAGE
RES2	TEKNOFLOR HOMOGENEOUS SHEET VINYL. MEDSCAPES HPD V2. 88700P. SANDRIFT. 6'-7"W.	2C30	PEDS DBL		RES2		SCB	EG1		VWC4	1 1		SS1			PL5	COLLAGE
RES3	TEKNOFLOR HOMOGENEOUS SHEET VINYL. MEDSCAPES HPD V2. 88612P. TRUE BLUE. 6'-7"W.	2C31 2C32	PLAYROOM	- <u>1</u>	RES2/RES3	C14, 5, 6	RTB1	EG1	CT1,2,3	VWC4		EG	SS1		PL5		COLLAGE
SCB	SELF COVED BASE MATCHING ADJACENT FLOOR 6" HIGH	0.000				-	DTDO	_									
S1	SHERWIN WILLIAMS SW 6504 SKY HIGH. FINISH: SEMIGLOSS	2C33 2C34	TOILET		REST	CT4, 5, 6	CTB1	EG2	CT1,2,3			EG	<u> </u>		PLD		
<u>S2</u>	SHERWIN WILLIAMS SW 6478 WATERY, FINISH: SEMIGLOSS SHERWIN WILLIAMS SW 7006 EXTRA WHITE, FINISH: SEMIGLOSS	2C35	EQUIPMENT		RES2		RTB2	S1			WP1						
S4	DUNN EDWARDS. DEW341. SWISS COFFEE. FINISH: SEMIGLOSS	2C36	EXAM	ğ	RES2	1 1	RTB2	EG1			WP1 C	P2	SS1		PL5		DEC. PANEL:
																	SEAWEED WALL
SS1	CORIAN SOLID SURFACE, COLOR: WHITE ONYX. 12mm THICKNESS.																NORTH AND EAST WALL ABOVE
SS2	ICE STONE USA RECYCLED GLASS: SKY PEARL 31MM THICKNESS				ű.											-	WALLPROTECTION
	MDC VINYL WALLCOVERING. THEME 1 SEALIFE CUSTOM DIGITAL PRINT: MDC PROJECT # 48205.	2C37 2C39	WHLCHR		RES1		RTB2	S4 S4			WP1	2 42 11					
	FINAL ARTWORK TO BE APPROVED MDC VINYL WALLCOVERING. THEME 2. OCEAN BIRDS. CUSTOM DIGITAL PRINT: MDC PROJECT #	2C40	JANITOR		C		RTB1	S4			WP1		S4				
VWC2	48205. FINAL ARTWORK TO BE APPROVED	2C41			RES1	CT4 5 6	RTB2	EG2	CT123			FG					
VWC3	MDC VINYL WALLCOVERING. THEME 3 ANIMALS OF CHANNEL ISLANDS. CUSTOM DIGITAL PRINT: MDC PROJECT # 48205. FINAL ARTWORK TO BE APPROVED	2C42 2C43	OFFICE	-	RES1		RTB2	EG1	011,2,0								
VWC4	MDC VINYL WALLCOVERING. THEME 1, 2, 3. TOGETHER COLLAGE. CUSTOM DIGITAL PRINT: MDC PROJECT # 48205_FINAL_ARTWORK TO BE APPROVED	2C44	NURSE'S STATION	, ,	RES1		RTB1	EG1)P1	SS1	SS2	PL5		DECORATIVE INSET
VWC5	MDC VINYL WALLCOVERING. THEME 5 SURFING CUSTOM DIGITAL PRINT: MDC PROJECT # 48205.																FACE
	MDC VINYL WALLCOVERING. THEME 6 CUSTOM DIGITAL PRINT: MDC PROJECT # 48205.	2C45				CT4, 5, 6	CTB	S2	CT1,2,3			S2	991		DI 5	-	
•••0	ARTWORK TO BE DETERMINED MDC VINYL WALLCOVERING. THEME 7 CUSTOM DIGITAL PRINT: MDC PROJECT # 48205.	2C40 2C47	SOILED UTILITY	i i	RES1		SCB SCB	S4			WP1		<u> </u>		PL5		-
VWC7	ARTWORK TO BE DETERMINED	2C48	FORMULA		RES1		SCB BTB1	S1					SS1	662	PL5		
VWC8	ARTWORK TO BE DETERMINED	2043	NORGEOGRAHON														IN CASEWORK
VWC9	MDC VINYL WALLCOVERING. THEME 9 CUSTOM DIGITAL PRINT: MDC PROJECT # 48205. ARTWORK TO BE DETERMINED	2050	NOURISH		RES1		SCB	<u> </u>					<u> </u>		PI 5		FACE
VWC10	MDC VINYL WALLCOVERING. THEME 10 CUSTOM DIGITAL PRINT: MDC PROJECT # 48205.	2C51	MEDS		RES1		SCB	S1					SS1		PL5		
		2C52 2C53	PT SHOWER PT SHOWER			CT4, 5, 6 CT4, 5, 6	CTB1		CT1,2,3 CT1,2,3			EG EG		-			
WP1	INPRO. MATTE FINISH WALL PROTECTION. STANDARD SOLID 4'X8' SHEETS X.040" PETG. COLOR:	2C55	CORRIDOR		RES2&3		RTB1	EG1			WP1 &	EG	1				HANDRAIL COVER -
	MONTEREY 0110. INPRO. MATTE FINISH WALL PROTECTION. STANDARD SOLID 4'X8' SHEETS X.040" PETG SHEET.	2C56	CORRIDOR		RES2&3		RTB1	EG1		VWC 6.	3 WP1 &	EG	1				WP2 HANDRAIL COVER -
vvP2	COLOR: ISLAND BLUE 0381. HANDRAIL COVERS.	0057			DECOS					7,8	3						
WP3	PVC, POLYESTER BACKING. PROJECT: VTAPEDS22. CONTACT BDAVIS@INPROCORP.COM, (310)	2057			RE32&3					10 vvvC 9,	3	EG					WP2
		2C58	CORRIDOR		RES2&3		RTB1	EG1		VWC 6,	WP1 &	EG					HANDRAIL COVER -
		2C59	CORRIDOR	-	RES2&3		RTB1	EG1		ί, δ	WP1 &	EG	1				HANDRAIL COVER -
							-			4 1 1	3					-	WP2
				-													
							A										





ONOTE LEGEND

- I. WALL MOUNTED HANDWASH LAVATORY
- 2. PATIENT WARDROBE CABINET
- 3. END TABLE AT DAYBED
- 4. DAYBED
- 5. 12" DEEP SOLID SURFACE COUNTERTOP AND BACKSPLASH
- 6. WALL MOUNTED DIGITAL CLOCK AND ANALOG CLOCK
- 7. WALL-MOUNTED FLAT-PANEL TV. TOP OF MOUNT AT +74".
- 8. PATIENT ROOM HEADWALL
- 9. BUMPER RAILS, CENTERED AT +17" AND +27" A.F.F.
- IO. EXISTING EXTERIOR WINDOW WITH TRANSLUCENT WINDOW FILM APPLIED TO INTERIOR FACE OF GLASS.
- II. WHITE BOARD
- 12. 6" WALL BASE
- 13. PROPOSED MURAL SPACE





P:\A000495 VCMC Pediatrics Wing\DRAWINGS\CONST DOCS\Fainer 2 Peds Interior Elevations.dwg Oct 14, 2022-3:23pm



- I. HANDRAIL SYSTEM WITH VINYL COVERED ALUMINUM RAILS AND BRACKETS





O NOTE LEGEND

FLOOR FINISH LEGEND

RESILIENT SHEET VINYL I: 1,040 S.F.
RESILIENT SHEET VINYL 2: 4,404 S.F.
RESILIENT SHEET VINYL 3: 1,333 S.F.
CARPET: 303 S.F.
CERAMIC TILE: 706 S.F.

O WALL LEGEND

SEE SHEET A6.2 FOR WALL TYPE SECTIONS.							
	NON-RATED STUD WALL, WALL TYPE AI U.N.O.						
	NON-RATED DOUBLE-STUD WALL, WALL TYPE A2 U.N.O.						
11 11 11 11	ONE-HOUR RATED STUD FIRE PARTITION, WALL TYPE BI AT NURSE STATIONS AND TYPE B3 AT CORRIDORS U.N.O.						
	NON-RATED STUD WALL PARALLEL TO EXISTING ONE-HOUR RATED STUD FIRE PARTITION, WALL TYPE B2 U.N.O.						
777777777	ONE-HOUR RATED STUD FIRE PARTITION WALL TYPE CI U.N.O						
=	EXISTING NON-RATED STUD WALL, SIM. TO WALL TYPE AI						
	EXISTING -HOUR RATED STUD PARTITION, SEE WALL TYPE DI. WALL IS CLASSIFIED AS FIRE BARRIER WITH PROTECTED OPENINGS AND PENETRATIONS AT SOILED UTILITY ROOM.						
	EXISTING ONE-HOUR RATED STUD FIRE PARTITION, SIM. TO WALL TYPE BI AT NURSE STATIONS AND B3 AT CORRIDORS U.N.O.						
	EXISTING TWO-HOUR RATED FIRE BARRIER WITH METAL STUDS.						
4	EXISTING CONCRETE LOAD-BEARING WALL OR COLUMN						
	EXISTING ONE-HOUR RATED STUD FIRE PARTITION, SIM. TO WALL TYPE BI AT NURSE STATIONS AND B3 AT CORRIDORS U.N.O.						
BB	ONE-HOUR RATED STUD FIRE BARRIER, WALL TYPE DI AT SOILED UTILITY ROOM, U.N.O.						



VENTURA COUNTY

HEALTH CARE AGENCY



P:\A000495 VCMC Pediatrics Wing\DRAWINGS\CONST DOCS\Fainer 2 Peds Low Voltage Plans.dwg Oct 13, 2022-3:12pm

- OF SLACK CABLE ABOVE SERVER RACKS.
- EXISTING COAXIAL CABLES AS REQUIRED TO SERVE NEW TV OUTLETS, AND UTILIZE SPLITTERS TO SERVE ADDED TV OUTLET LOCATIONS.
- O NOTE LEGEND



LOW VOLTAGE DEVICE LEGEND

	DEVICE	CABLE TO ELECT. RM. 2C02.1	BACK BOX
AC	ACCESS CONTROL LOCATION ABOVE CEILING	N.I.C.	SEE ACCESS CON
AW	ACCESS CONTROL / INTERCOM LOCATION IN WA	ALL N.I.C.	SEE ACCESS CON
cc	CENTRAK INFANT SECURITY - CEILING DEVICE	CA⊺ 6	SEE CONVERGINT
cw	CENTRAK INFANT SECURITY - WALL DEVICE	N.I.C.	4S BOX
PC	PHILIPS PATIENT MONITOR - T.A.P. AT CEILING	CAT 6	4S BOX
РН	PHILIPS PATIENT MONITOR - HEADWALL TERMIN	AL CAT 6	IN HEADWALL
РТ	PHILIPS PATIENT MONITOR - CENTRAL MONITOR	CAT 6	UNDER NURSE STATION DESK
vc	VIDEO CAMERA DEVICE AT CEILING	CAT 6a	SEE CCTV
۷Т	VIDEO CAMERA MONITOR TERMINAL	CAT 6a	UNDER NURSE STATION DESK
	WIRELESS ACCESS POINT AT CEILING	CAT 6	NONE



COUNTY OF VENTURA PUBLIC WORKS AGENCY

Date: November 2, 2022

To: All Prospective Bidders

From: Jeff Pratt Director of Public Works Addendum No. 2

Subject: Project Name: VCMC Pediatric Unit Specification No. CP21-04 Bids scheduled to be opened Wednesday, November 9, 2022 at 2:00 PM is extended to Wednesday November 16, 2021 at 2:00 PM

Make the following modifications to the bidding documents for subject project:

CHANGES TO BID OPENING DATE

1. Extend the bid opening date from Wednesday, November 9, 2022 at 2:00 PM to Wednesday, November 16, 2022 at 2:00 PM.

Acknowledgment of this addendum is required on the Bonfire website when submitting your bid. Failure to do so may result in the disqualification of your bid.

Approved: Jeff Pratt, Director CEC11/2/22

Date Approved

COUNTY OF VENTURA PUBLIC WORKS AGENCY

Date: November 7, 2022

To: All Prospective Bidders

From: Jeff Pratt Director of Public Works Addendum No.3

Subject: Project Name: VCMC Pediatric Unit Specification No. CP21-04 Bids to be Opened: November 16, 2022 at 2:00 PM

Make the following modifications to the bidding documents for subject project:

I. INFORMATION

- Access to the roof associated with the location of the pedestrian bridge and wheelchair lift and the storm drains scope of work is through the second floor window south of grid line E and 15.
 There is no direct access from the street.
- Access to the existing rooftop playground shall be from second floor North Tower corridor 2800.
 There is no direct access from the street.
- c. All work performed in the Emergency Department shall be Night and weekend work and shall be coordinated with the Emergency Department staff.
- d. Attached *CP21-04 Addendum No. 03 Existing First Floor Reflected Ceiling Plan* is the existing 1st floor reflected ceiling plan for reference.

II. SPECIFICATIONS

- 1. Revise section 06 64 00 Interior Architectural Woodwork as follows:
 - a. Add paragraph 2.05 G. All exposed wood, including inside cabinets, edges, and underside of surfaces, shall be painted with one coat of acrylic semi-glass paint.
- 2. Revise section 27 52 23 Nurse Call System as follows:
 - a. Add paragraph 2.2 A. Nurse call system must be equal to and compatible with Hillrom Voalte System.

III. <u>PLANS</u>

- 1. Revise plan sheet A5.0 as follows:
 - a. Note 4 shall be revised to read: At existing rated corridor ceilings, remove existing glueon ceiling tile; fire rated gypsum board substrate to remain. Acoustical tiles are glued with adhesives disks. If damage is caused by disk removal, follow instruction on 4/A5.1 for each location of damage to the rated gypsum board finish. Typical.
- 2. Revise plan sheet A5.1 as follows:
 - a. Note 4 shall be revised to read: At corridor ceilings, apply one layer of ½" gypsum board to replace removed layer of acoustic tile. See detail 10/A8.2 for patching of any holes in,

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or damage to, the rated gypsum board finish at top and bottom of ceiling joints. Adjust existing sprinkler heads +/- per revised depth of the ceiling thickness.

- 3. Revise plan sheets A7.1, A7.2, A7.3 and A7.4 as follows:
 - a. Insert General Note D. The wall-mounted televisions are O.F.O.I.
 - b. Insert General Note E. The wall mounts for the televisions are O.F.C.I.
- 4. Revise sheet A7.4 as follows:
 - a. Insert General Note F. All headwalls are Contractor-Furnished, Contractor Installed [C.F.C.I.]. The headwalls are Majestic Series Horizontal Headwall System, two-tier with no chase, by Amico Corporation and shall match the existing headwalls located in the North Tower; contact Elizabeth Ward, phone (562) 221-4613, email eward@hcdsolutions.net.
- 5. Revise plan sheet A8.5 as follows:
 - a. Replace detail 3 with note: Ducts shall be supported per detail 38/M5.1, with the curb flashed similar to detail 1/A8.5.
- 6. Revise plan sheet S-3.01 as follows:
 - a. Insert the following note to Detail 9: The concrete curbs shown in this detail shall be 12" high x 12" wide x the length of the supported equipment. Equipment anchors shall be centered in the width of the curb.
- 7. Revise plan sheet E5.1 as follows:
 - a. Specification 26 09 26 Modification to Existing Panelboards Section A also applies to existing panelboards. (Is this just a clarification or are you adding the following note?)
 - Insert note 1. Existing switchboard EL, along with several other switchboards in the Fainer Wing, are Type CDP-6 as manufactured by Gould/ITE. The manufacturer of these switchboards is obsolete. It is our understanding, based on another existing Type CDP-6 switchboard in the Fainer Basement electrical room, that Siemens has circuit breakers, Type ED4, that are compatible with the Gould/ITE product.
- 8. Revise Sheet CM-1 issued in Addendum #1 as follows:
 - a. Insert General Note A. For the ceramic tile floor, the three colors (CT4, CT5 and CT6) shall be random blend as produced by the factory with 35% CT-4, 35% CT5, and 30% CT-6.
 - b. Insert General Note B. For the ceramic tile walls, the three colors (CT4, CT5 and CT6) shall be random blend as installed by the contractor with 20% CT-4, 20% CT5, and 60% CT-6. Contractor shall to submit shop drawings of typical layout to Owner for approval.

Acknowledgment of this addendum is required on the Bonfire website when submitting your bid. Failure to do so may result in the disqualification of your bid.

Approved: Pratt, Director CEC 11/7/22

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REFERERNCE ONLY

Existing First Floor Reflected Ceiling Plan