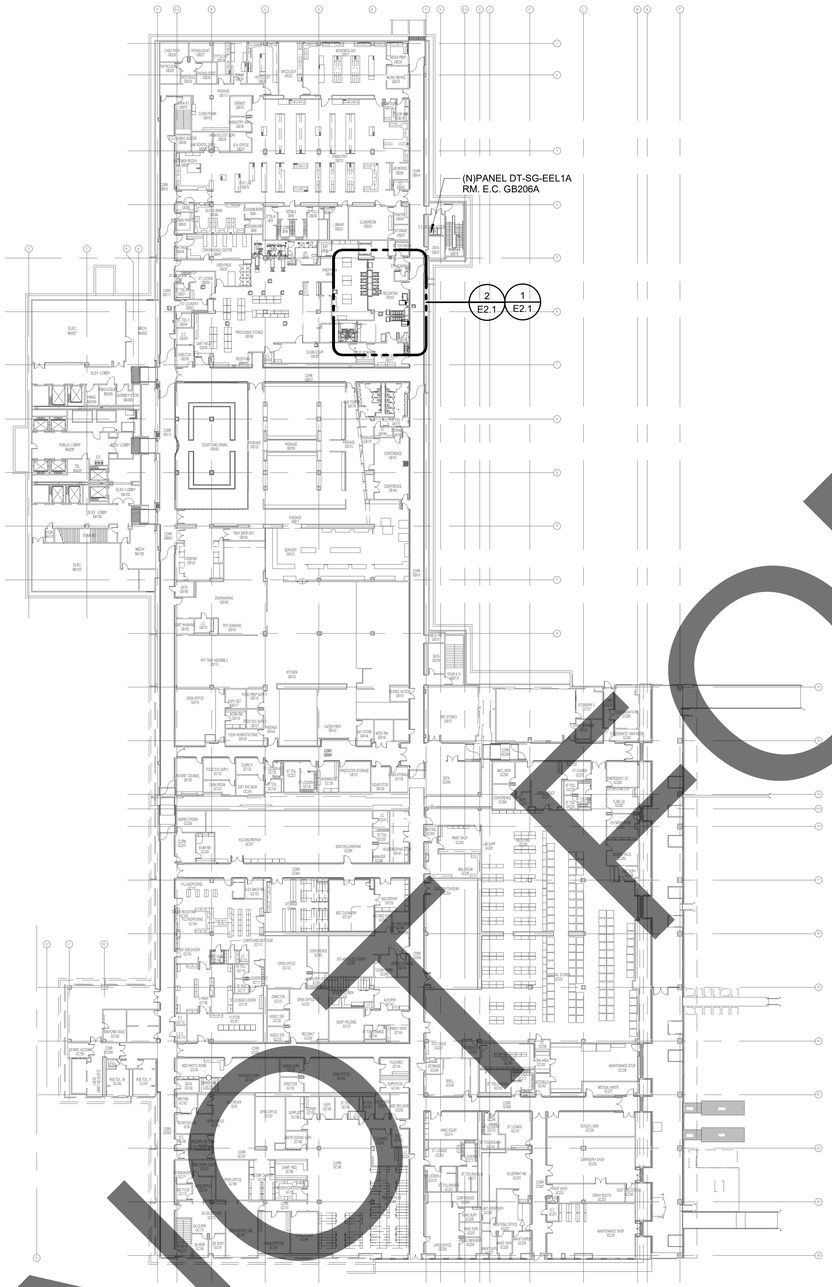


NORTH 1 **OVERALL GROUND LEVEL PLAN - ELECTRICAL**
1" = 40'-0"

PROJECT TITLE:
SONIC IRRIGATION REPLACEMENTS
FOR THE
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE., COLTON, CA. 92324
WBSE #: 10.10.1066
CIP #: 21-065
CAFM #: COL003

IMEG
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA 91764
909.477.6915 FAX: 909.477.6916
www.imegcorp.com
PROJECT # 21007618.00

REFERENCE SCALE IN INCHES
0 1 2 3

PROFESSIONAL SEAL:
REGISTERED PROFESSIONAL ENGINEER
NESTOR C. IGNACIO, JR.
Lic. E16934
Exp. 6-30-2023
STATE OF CALIFORNIA

ARCHITECT:
marks architects
73121 FRED WARING DR. STE. 200
PALM DESERT, CA. 92260
760-327-6800
Project No. 3021028.00

DAVID WILLIAM CLARKE C-21219

PROFESSIONAL SEAL:
STATE LICENSED ARCHITECT
DAVID WILLIAM CLARKE
C-21219
30-23
RENEWAL DATE
STATE OF CALIFORNIA

KEY PLAN:
PROJECT AREA
NORTH

Department of Health Care Access and Information

HCAI # S222316-36-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
with comments
Department of Health Care Access & Information
Office of Statewide Hospital Planning & Development
5/16/2023, 2:27:57 PM
S222316-36-00
Laura Baldrati

REVISIONS

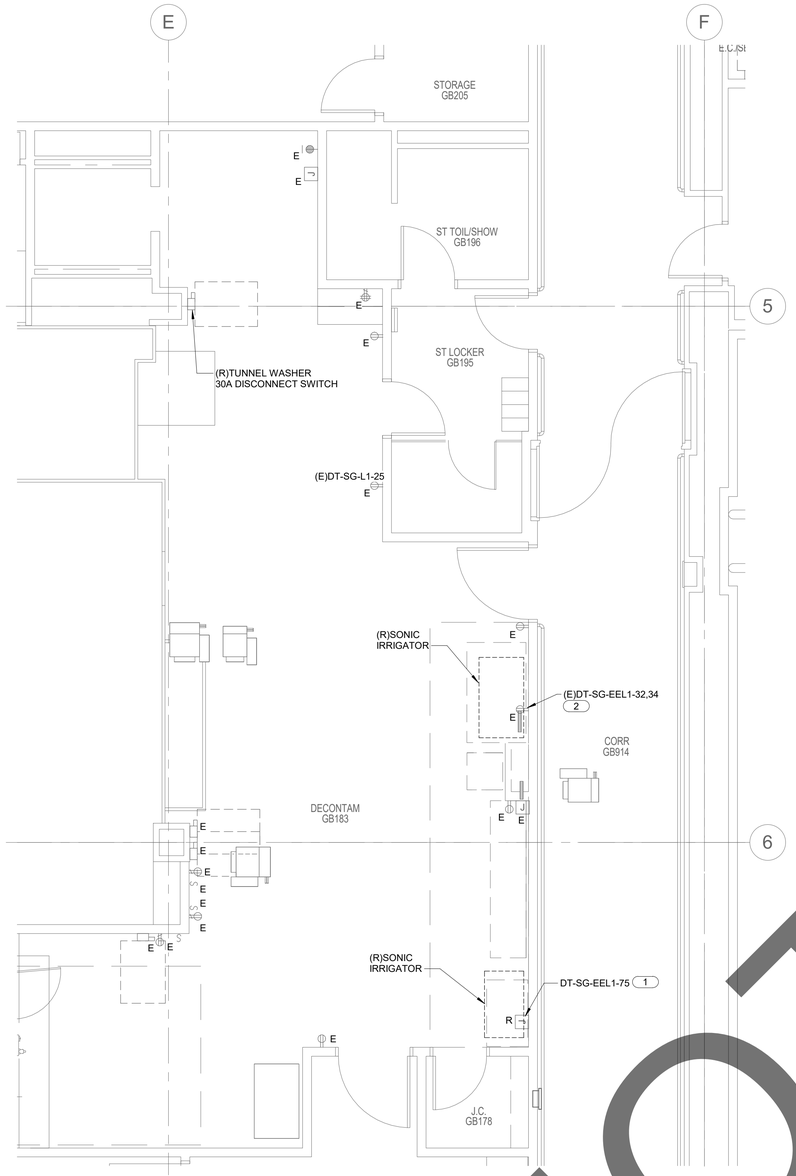
No.	Date	Revision / Issue

SHEET INFORMATION

Issue	**100% CONSTRUCTION DOCUMENTS**
Date	**12/28/2022**
Job Number	**21007618.00**
Drawn	**Author**
Checked	**Checker**
Approved	

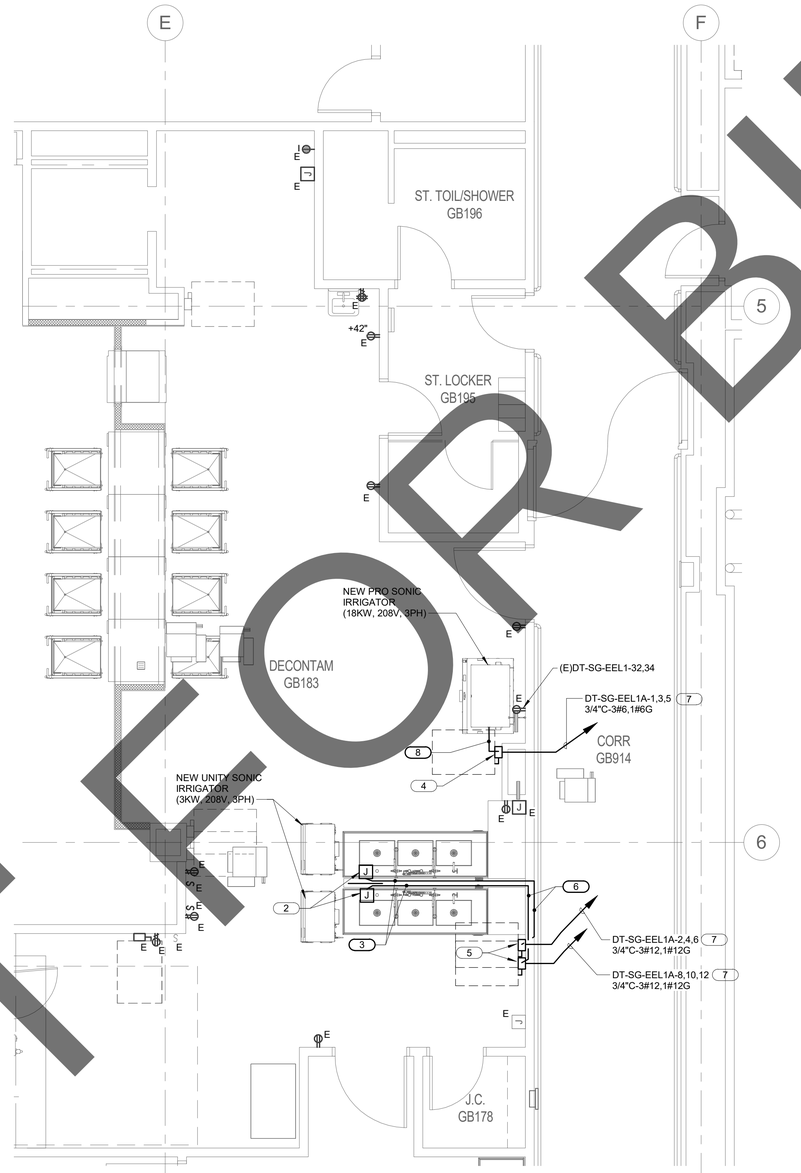
SHEET TITLE
OVERALL GROUND LEVEL PLAN - ELECTRICAL

SHEET NUMBER
E1.0



1 GROUND LEVEL DEMOLITION PLAN - ELECTRICAL

1/4" = 1'-0"



2 GROUND LEVEL REMODEL PLAN - ELECTRICAL

1/4" = 1'-0"

DEMOLITION KEY NOTES:

1. EXISTING IRRIGATOR CIRCUIT TO BE REMOVED. EXISTING CONDUIT AND WIRES TO BE REMOVED BACK TO SOURCE PANEL. FIELD VERIFY EXISTING CONDITIONS AND EXACT LOCATION.
2. EXISTING IRRIGATOR CIRCUIT RECEPTACLE TO REMAIN AND REUSED . FIELD VERIFY EXACT LOCATION.

REMODEL KEY NOTES:

1. EXISTING CIRCUIT TO REMAIN AND SOURCE CIRCUIT BREAKER LABELED AS SPARE.
2. MOUNT JUNCTION BOX NEAR EDGE OF LOW WALL. PROVIDE SEAL TITE FLEX CONDUIT FROM JUNCTION BOX TO SONIC IRRIGATOR CONTROL PANEL POWER CONNECTION POINT. COORDINATE WITH SONIC IRRIGATOR INSTALLER FOR CONNECTION DETAILS. FIELD VERIFY EXACT LOCATION.
3. ROUTE CONDUIT RECESSED IN WALL CLEAR OF SINK APPLIANCES AND PLUMBING PIPES FROM JUNCTION BOX TO DISCONNECT SWITCH ON WALL. FEILD VERIFY EXACT LOCATION.
4. 60AS/60AF, 3P WALL MOUNTED.
5. 30AS/15AF, 3P WALL MOUNTED.
6. ROUTE CONDUIT RECESSED IN WALL. FIELD VERIFY EXACT ROUTING.
7. ROUTE FEEDER CONDUITS TO ELECTRICAL ROOM GB 204A. REFER TO SHEET E1.0 FOR PANEL LOCATION. REFER TO 1/E3.1 FOR CONDUIT THRU WALL PENETRATION DETAIL.
8. PROVIDE SEAL TITE FLEX CONDUIT FROM DISCONNECT TO EQUIPMENT. COORDINATE WITH EQUIPMENT INSTALLER FOR CONNECTION DETAILS.

PROJECT TITLE:

SONIC IRRIGATION REPLACEMENTS

FOR THE

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ONTARIO, CA 91764
909.477.6916 FAX: 909.477.6916
www.imegcorp.com
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PROFESSIONAL SEAL:

ARCHITECT:

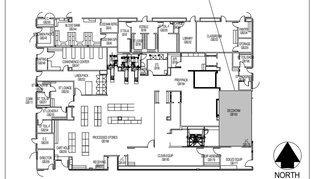
marks architects
73121 FRED WARING DR. STE. 200
PALM DESERT, CA. 92260
760-327-6800

Project No. 3021028.00

DAVID WILLIAM CLARKE C-21219

PROFESSIONAL SEAL:

KEY PLAN:



Department of Health Care Access and Information

HCAI # S222316-36-00

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Office of Statewide Hospital Planning & Development
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Drawn	Author
Checked	Checker
Approved	

SHEET TITLE

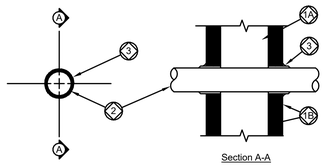
GROUND LEVEL PLAN - ELECTRICAL

SHEET NUMBER

E2.1

SYSTEM NO. W-L-1001

F RATINGS - 1, 2, 3 and 4 HR (SEE ITEMS 2 and 3)
T RATINGS - 0, 1, 2, 3 and 4 HR (SEE ITEM 3)
L RATING AT AMBIENT - 1 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



Section A-A

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS - WALL FRAMING TO CONSIST OF STEEL CHANNEL STUDS. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. O.C.

   B. GYPSUM BOARD* - NOM 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN.

2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. OF O IN. (POINT CONTACT) TO MAX 2 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUIT OR TUBING MAY BE USED:

   A. NOM 24 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE
   B. NOM 24 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE

3. C. NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING
   D. NOM 6 IN. DIAM (OR SMALLER) TYPE L OR (OR HEAVIER) COPPER TUBING
   FILL VOID OR ANNULAR SPACE WITH CAULK OR BED OF CAULK AT LEAST 5/8 IN. THICK FOR 2-1/2 IN. THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. DIAM. BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IS IT INSTALLED AS TABULATED BELOW:

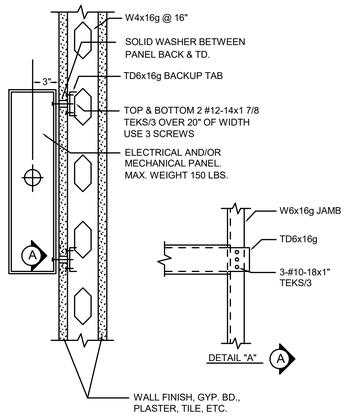
MAX PIPE OR CONDUIT DIAM, IN	F RATING HR	T RATING, HR
1	1 OR 2	0**, 1 OR 2
1	3 OR 4	3 OR 4
4	1 OR 2	0
6	3 OR 4	0
12	1 OR 2	0

**WHEN COPPER PIPE IS USED, T RATING IS O H.

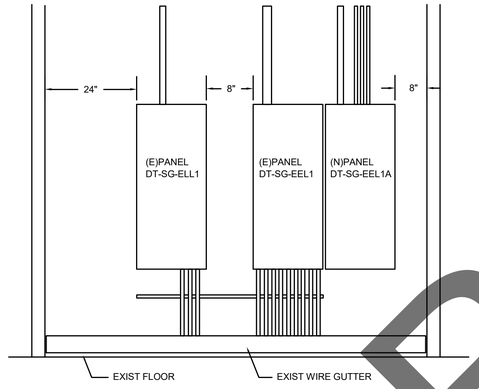
3M COMPANY - CP 25WB+ OR FB-3000 WT

*BEARING THE UL CLASSIFICATION MARKING

CONDUIT PENETRATION THRU 2-HOUR CONCRETE FLOOR/WALL DETAIL | NTS | 1



SURFACE MOUNTED PANEL/CABINET STEEL FRAMING | NTS | 2



PANELBOARD ELEVATION RM GB206A | NTS | 3

NOT USED | NTS | 4

NOT USED | NTS | 6

NOT USED | NTS | 7

NOT USED | NTS | 8

NOT USED | NTS | 9

NOT USED | NTS | 10

NOT USED | NTS | 11

NOT USED | NTS | 12

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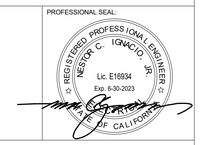

ARCHITECT:

marks architects
73121 FRED WARING DR. STE. 200
PALM DESERT, CA. 92260
760-327-6800

Project No. 3021028.00

DAVID WILLIAM CLARKE C-21219

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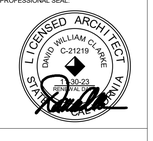
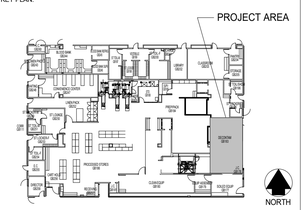


KEY PLAN:



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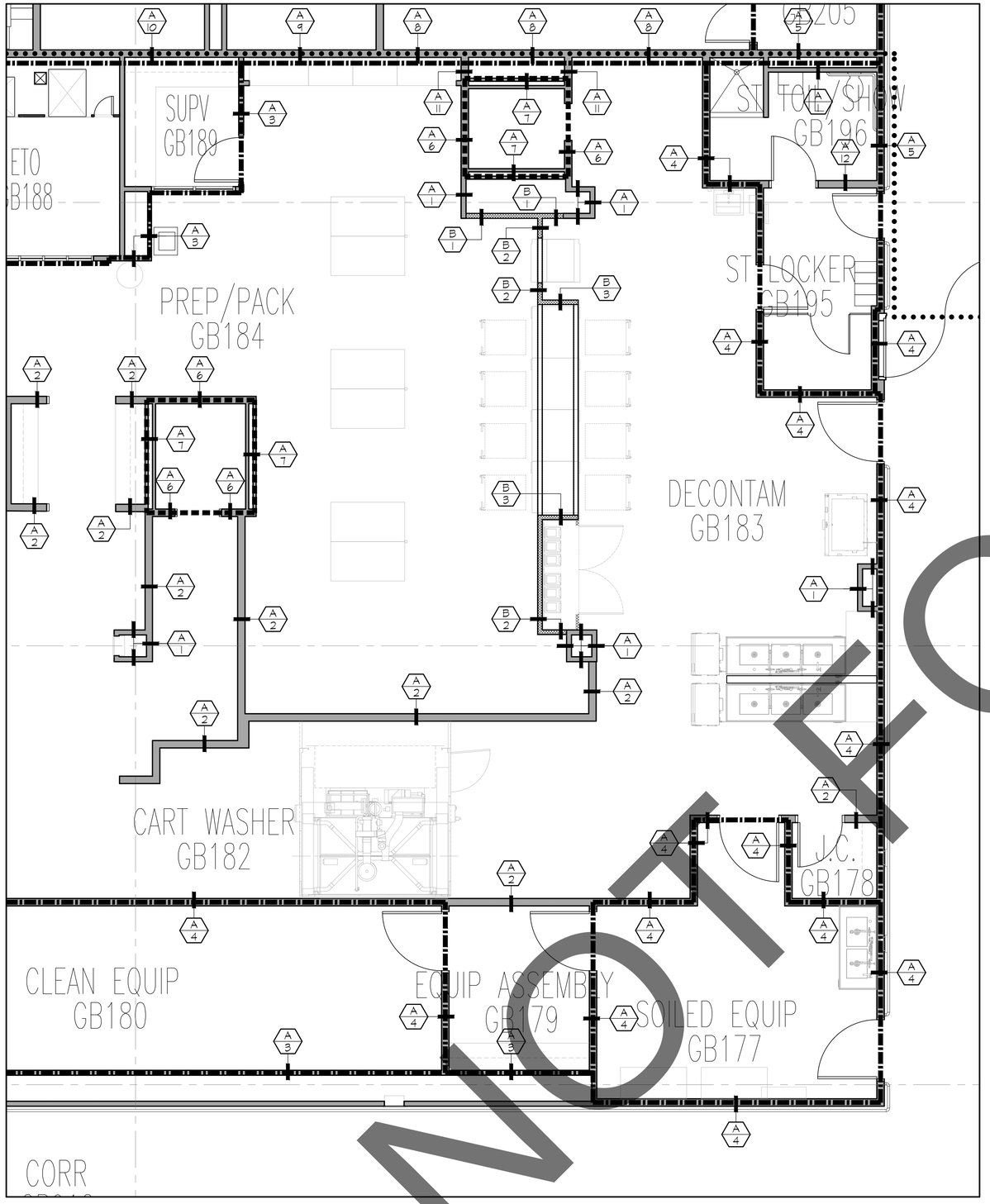
Drawn	Author
Checked	Checker
Approved	

SHEET TITLE

DETAILS

SHEET NUMBER

E3.1



LIFE SAFETY FLOOR PLAN | 1/4"=1'-0" | 1

WALL LEGEND

- EXISTING WALL TO REMAIN. SEE WALL TYPES.
- NEW WALL. SEE WALL TYPES.
- EXISTING ONE-HOUR PARTITION OCCUPANCY SEPARATION TO REMAIN. SEE WALL TYPES.
- EXISTING TWO-HOUR RATED PARTITION AND/OR SHAFTWALLS TO REMAIN. SEE WALL TYPES.
- EXISTING ONE-HOUR RATED SMOKE BARRIER WALL TO REMAIN. SEE WALL TYPES.

WALL TYPES

A1 — 4⅞" — EXISTING INT. NON-RATED WALL - 4"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" GYP. BD. ON ONE SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. GYP. BD. HEIGHT IS 6" ABOVE (E) CEILING. WALL FILLED w/ KRAFT FACED INSULATION. CONTINUOUS ACOUSTICAL SEALANT @ TOP & BOTTOM OF WALL.

A2 — 7¼" — EXISTING NON-RATED INT. WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" GYP. BD. ON EA. SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. GYP. BD. HEIGHT IS 6" ABOVE (E) CEILING. WALL FILLED w/ KRAFT FACED INSULATION. CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL.

A3 — 5⅛" — EXISTING UL RATED ONE-HOUR FIRE RESISTIVE PARTITION INT. WALL - 4"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" TYPE "X" GYP. BD. ON EACH SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. HEIGHT OF GYP. BD TO BOTTOM OF STRUCTURE. WALL FILLED w/ ACOUSTICAL BATT INSULATION. FIRE STOP SEALANT; CONTINUOUS FIRE BARRIER - SEALANT TOP & BOTH SIDES - 3M CP 25 MB, HILTI CS240, ALBI CLAD 15IC. CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL. (U.L. DESIGN; U465).

A4 — 7¼" — EXISTING UL-RATED ONE-HOUR FIRE RESISTIVE PARTITION (ONE HOUR PARTITION OCCUPANCY/SEPARATION) INT. WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" TYPE "X" GYP. BD. ON EACH SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. HEIGHT OF GYP. BD TO BOTTOM OF STRUCTURE. WALL FILLED w/ ACOUSTICAL BATT INSULATION. FIRE STOP SEALANT; CONTINUOUS FIRE BARRIER - SEALANT TOP & BOTH SIDES - 3M CP 25 MB, HILTI CS240, ALBI CLAD 15IC. CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL. FLUTES @ TOP OF WALL FILLED w/ THERMFIBER OR EQUIVALENT. (U.L. DESIGN: U465).

A5 — 7¼" — EXISTING UL-RATED ONE-HOUR FIRE RESISTIVE PARTITION (ONE HOUR RATED SMOKE BARRIER & ONE HOUR PARTITION OCCUPANCY/SEPARATION) INT. WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" TYPE "X" GYP. BD. ON EACH SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. GYP. BD TO BOTTOM OF STRUCTURE. WALL FILLED w/ ACOUSTICAL BATT INSULATION. FIRE STOP SEALANT; CONTINUOUS FIRE BARRIER - SEALANT TOP & BOTH SIDES - 3M CP 25 MB, HILTI CS240, ALBI CLAD 15IC. CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL. FLUTES @ TOP OF WALL FILLED w/ THERMFIBER OR EQUIVALENT. (U.L. DESIGN: U465).

A6 — 4⅝" — EXISTING UL-RATED TWO-HOUR FIRE RESISTIVE PARTITION INT. SHAFT WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ 1" THICK CAVITY SHAFT WALL LINER ON ONE SIDE OF THE WALL, AND (2) LAYER OF ⅝" TYPE "X" GYP. BD. ON THE OPPOSITE SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. HEIGHT OF GYP. BD TO BOTTOM OF STRUCTURE. WALL FILLED w/ ACOUSTICAL BATT INSULATION. FIRE STOP SEALANT; CONTINUOUS FIRE BARRIER SEALANT TOP & BOTH SIDES - 3M CP 25 MB, HILTI CS240, ALBI CLAD 15IC, CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL. FLUTES @ TOP OF WALL FILLED w/ THERMFIBER OR EQUIVALENT. (U.L. DESIGN: U438).

A7 — 4⅝" — EXISTING UL-RATED TWO-HOUR FIRE RESISTIVE PARTITION INT. SHAFT WALL - 2½"x20 GA. MIN. METAL STUDS AT 24" O.C. w/ 1" THICK CAVITY SHAFT WALL LINER ON ONE SIDE OF THE WALL, AND (2) LAYER OF ⅝" TYPE "X" GYP. BD. ON THE OPPOSITE SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. HEIGHT OF GYP. BD TO BOTTOM OF STRUCTURE. WALL FILLED w/ ACOUSTICAL BATT INSULATION. FIRE STOP SEALANT; CONTINUOUS FIRE BARRIER SEALANT TOP & BOTH SIDES - 3M CP 25 MB, HILTI CS240, ALBI CLAD 15IC, CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL. FLUTES @ TOP OF WALL FILLED w/ THERMFIBER OR EQUIVALENT. (U.L. DESIGN: U438).

A8 — 6¼" — EXISTING UL-RATED ONE-HOUR FIRE RESISTIVE PARTITION (ONE HOUR RATED SMOKE BARRIER & ONE HOUR PARTITION OCCUPANCY/SEPARATION) INT. WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ (2) LAYER OF ⅝" TYPE "X" GYP. BD. ON EACH SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. HEIGHT OF GYP. BD TO BOTTOM OF STRUCTURE. WALL FILLED w/ R-19 BATT INSULATION MIN. FIRE STOP SEALANT; CONTINUOUS FIRE BARRIER - SEALANT TOP & BOTH SIDES - 3M CP 25 MB, HILTI CS240, ALBI CLAD 15IC. CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL. FLUTES @ TOP OF WALL FILLED w/ THERMFIBER OR EQUIVALENT. (U.L. DESIGN: U465).

A9 — 7¼" — EXISTING UL-RATED ONE-HOUR FIRE RESISTIVE PARTITION (ONE HOUR RATED SMOKE BARRIER & ONE HOUR PARTITION OCCUPANCY/SEPARATION) INT. WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" TYPE "X" GYP. BD. ON EACH SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. GYP. BD TO BOTTOM OF STRUCTURE. WALL FILLED w/ R-19 BATT INSULATION MIN. FIRE STOP SEALANT; CONTINUOUS FIRE BARRIER - SEALANT TOP & BOTH SIDES - 3M CP 25 MB, HILTI CS240, ALBI CLAD 15IC. CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL. FLUTES @ TOP OF WALL FILLED w/ THERMFIBER OR EQUIVALENT. (U.L. DESIGN: U465).

A10 — 7¼" — EXISTING UL-RATED ONE-HOUR FIRE RESISTIVE PARTITION (ONE HOUR RATED SMOKE BARRIER & ONE HOUR PARTITION OCCUPANCY/SEPARATION) INT. WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" TYPE "X" GYP. BD. ON EACH SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. HEIGHT OF GYP. BD TO BOTTOM OF STRUCTURE. WALL FILLED w/ R-19 BATT INSULATION MIN. FIRE STOP SEALANT; CONTINUOUS FIRE BARRIER - SEALANT TOP & BOTH SIDES - 3M CP 25 MB, HILTI CS240, ALBI CLAD 15IC. CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL. FLUTES @ TOP OF WALL FILLED w/ THERMFIBER OR EQUIVALENT. (U.L. DESIGN: U465).

A11 — 6⅝" — EXISTING NON-RATED INT. WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" GYP. BD. ON ONE SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. GYP. BD. HEIGHT IS 6" ABOVE (E) CEILING. WALL FILLED w/ KRAFT FACED INSULATION. CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF WALL.

A12 — 7¼" — EXISTING NON-RATED INT. WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" GYP. BD. ON EACH SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. HEIGHT OF GYP. BD TO BOTTOM OF STRUCTURE. WALL FILLED ACOUSTICAL BATT INSULATION. FIRE STOP SEALANT; CONTINUOUS FIRE BARRIER - SEALANT TOP & BOTH SIDES - 3M CP 25 MB, HILTI CS240, ALBI CLAD 15IC. (2) LAYER OF ⅝" TYPE "X" GYP. BD. ON EACH SIDE OF THE WAL

A13 — 6⅝" — EXISTING NON-RATED INT. WALL - 6"x16 GA. METAL STUDS AT 16" O.C. w/ (1) LAYER OF ⅝" GYP. BD. ON ONE SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. GYP. BD. HEIGHT IS 6" ABOVE (E) CEILING. WALL FILLED w/ KRAFT FACED INSULATION. CONTINUOUS ACOUSTICAL SEALANT @ TOP & BOTTOM OF WALL.

B1 — 3⅝" — NEW NON-RATED INT. WALL - 3⅝" x 18 GA.METAL STUDS w/ 3" BATT INSULATION AND 18 GA. S.S. SHEET METAL PANELS ON ONE SIDE OF WALL.

B2 — 4⅛" — NEW NON-RATED INT. WALL - 3⅝" x 18 GA.METAL STUDS w/ 3" BATT INSULATION w/ 18 GA. S.S. SHEET METAL PANELS ON EA. SIDE OF WALL.

B3 — 9⅛" — NEW NON-RATED INT. WALL - 3⅝" x 18 GA.METAL STUDS w/ 3" BATT INSULATION AND 18 GA. S.S. SHEET METAL PANELS ON ONE SIDE OF WALL. INSTALL (1) LAYER OF ⅝" GYP. BD. ON THE OPPOSITE SIDE OF THE WALL VERT. OR HORIZ. ATTACHED w/ TYPE "S" DRYWALL SCREWS @ 7" O.C. w/ END JOINTS ON NAILING MEMBERS. STAGGER JOINTS. GYP. BD. HEIGHT IS 6" ABOVE (E) CEILING.

PROJECT TITLE:
SONIC IRRIGATION REPLACEMENTS
FOR THE
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE., COLTON, CA. 92324
WBSE #: 10.10.1066
CIP #: 21-065
CAFM #: COL003

IMEG
301 VIA PIEMONTE, SUITE 400
ONTARIO, CA 91764
909.477.5910, FAX: 909.477.5916
www.imegcorp.com
21007618.00

REFERENCE SCALE IN INCHES
0 1 2 3

PROFESSIONAL SEAL:

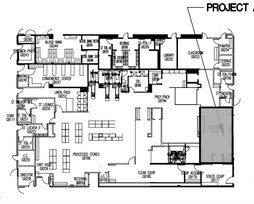
ARCHITECT:
marks architects
73121 FRED WARING DR. STE. 200
PALM DESERT, CA. 92260
760-327-6800

Project No. 3021028

DAVID WILLIAM CLARKE C-21219

PROFESSIONAL SEAL:
LICENSED ARCHITECT
DAVID WILLIAM CLARKE
C-21219
CALIFORNIA
12-30-23
RENEWAL DATE

KEY PLAN:



Department of Health Care Access and Information

HCAI # S222316-36-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
with comments
Department of Health Care Access & Information
Office of Statewide Hospital Planning & Development
5/16/2023, 2:27:57 PM
S222316-36-00
Laura Baldrati

REVISIONS

No.	Date	Revision / Issue
1	02.08.2023	PLAN CHECK

SHEET INFORMATION

Issue	
Date	12.28.2022
Job Number	21007618.00
Drawn	
Checked	
Approved	

SHEET TITLE
LIFE SAFETY FLOOR PLAN

SHEET NUMBER
1
A2.2

S:\Active Projects\County of San Bernardino\Arrowhead Regional Medical Center\(3021028) ARMC - Sonic Irrigators\3021028 A2.2.dwg May 04, 2023 - 2:15pm

2019 CMC TABLE 4-A NOTES:

1. AIR QUANTITIES SHOWN IN THE TABLE BELOW IS FOR THE ENTIRE SPD AREA. THIS INCLUDES DECONTAMINATION ROOM GB183, WHICH IS OUR PROJECT AREA.

AIR BALANCE SUMMARY PHARMACY/STERILE DEPARTMENT

ROOM NO.	ROOM NAME	SPACE FUNCTION PER TABLE 4-A	AREA (SQ FT)	HEIGHT (FT)	VOLUME (CU FT)	REQUIRED OSA				NOT TOUCH OSA				EXH AIR (CFM)	MAX REC AIR (CFM)	SYSTEM PRESSURIZATION	UNITS SERVED
						ACH/Hr		OSA (CFM)		ACH/Hr		SA (CFM)					
						MIN REQD	DESIGN	MIN REQD	DESIGN*	MIN REQD	DESIGN	MIN REQD	DESIGN*				
GB111	CORRIDOR	PATIENT CORRIDOR	576	9.0	5215	0	4.4	0	380	2	10.4	174	900	0	900	NR	
GB124	SERVICE ROOM	STERILIZER EQUIPMENT ROOM	181	9.0	1627	0	9.2	0	250	10	44.3	271	1290	1320		N	
GB177	SOILED EQUIPMENT	SOILED WORK ROOM/UTILITY ROOM	280	9.0	2520	2	6.0	84	250	10	12.4	420	520	570		N	
GB178	J.C.	JANITOR CLOSET	29	9.0	265		56.7	0	250	10	15.9	44	78	90		N	
GB179	EQUIPMENT ASSEMBLY	SUBSTERILE SERVICE AREA	105	9.0	949	2	0.4	32	6	8	8.9	95	140	0	95	NR	
GB180	CLEAN EQUIPMENT	CLEAN WORK ROOM	507	10.0	5065	2	0.6	169	4	4	7.3	338	620	0	660	P	
GB181	J.C.	JANITOR CLOSET	30	9.0	273		54.9	0	250	10	13.2	46	80	80	0	N	
GB182	CART WASHER	STERILIZER EQUIPMENT ROOM	120	11.0	1322	6	3.2	6	70	10	0.9	220	0	1400		N	
GB183	DECONTAM	SOILED DR DECONTAMINATION ROOM	982	10.0	9817	2	4.8	327	600	8	11.5	982	1880	3840		N	
GB184	PREP / PACK	PREPARATION ROOM	957	10.0	9569	2	0.2	319	35	6	14.8	957	2985	455	600	P	
GB185	CART HOLD	CLEAN WORKROOM OR CLEAN HOLDING	253	10.0	2530	2	1.3	84	55	4	9.1	168	385	0	0	P	
GB186	PROCESSED STORES	STERILE STORAGE	2984	10.0	29840	2	0.1	995	50	4	10.3	1989	5120	0	3235	P	
GB187	SVC INTER	STERILIZER EQUIPMENT ROOM	96	9.0	864	0	2.8	0	40	10	27.8	144	400	445		NR	
GB188	STERRAD	STERILIZER EQUIPMENT ROOM	114	9.0	1025	0	7.6	0	130	10	23.4	171	400	445		N	
GB189	SUPV	ADMINISTRATIVE	67	9.0	539	2	14.5	18	130	6	10.0	54	90	0	90	NR	
GB195	ST. LOCKER	MEDICAL STAFF SUPPORT	102	9.0	922	2	8.0	31	123	6	13.0	92	200	170		NR	
GB196	ST. TOIL/SHOWER	TOILET ROOM	85	9.0	768	6	10.2	0	130	10	12.6	128	180	180		N	
GB247	CONVENIENCE CENTER	MEDICAL STAFF SUPPORT	486	9.0	4386	2	1.7	147	125	6	7.4	440	540	0	540	NR	
GB248	WAITING	WAITING AREA PRIMARY CARE CLINIC	82	9.0	742	2	15.0	25	185	10	7.3	124	90	0	90	NR	
GB249	ST LOCKER-M	MEDICAL STAFF SUPPORT	49	9.0	438	2	75.4	15	550	6	12.3	44	90	65		NR	
GB250	ST LOUNGE	MEDICAL STAFF SUPPORT	207	9.0	1864	2	17.7	62	550	8	12.9	186	400	0	400	NR	
GB251	ST TOIL-M	TOILET ROOM	58	9.0	522	6	5.7	0	50	10	10.9	87	95	120		N	
GB252	LINEN PACK	CLEAN LINEN STORAGE	370	9.0	3327	0	5.0	0	280	2	8.3	111	460	0	460	NR	
GB253	ST LOCKER-F	MEDICAL STAFF SUPPORT	129	9.0	1162	2	0.0	39	0	6	13.9	116	270	240		NR	
GB254	ST TOIL-F	TOILET ROOM	67	9.0	603	0	0.0	0	0	10	13.9	100	140	170		N	
GB255	E. C.	MEDICAL STAFF SUPPORT	91	11.0	1005	2	0.0	33	0	6	6.6	100	110	0	110	NR	
GB914	CORRIDOR	PATIENT CORRIDOR	545	9.0	4903		0.0	0	0	2	10.0	163	820	0	820	NR	
			9560						4693			TOTAL =	17525	9800	8095		

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IMEG
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA 91764
909.477.6916 FAX: 909.477.6916
www.imegcorp.com
PROJECT # 21007618.00

REFERENCE SCALE IN INCHES
0 1 2 3

PROFESSIONAL SEAL:
REGISTERED PROFESSIONAL ENGINEER
HIMANSU P. SHAH
No. M25602
Exp. 9/30/24
MECHANICAL
STATE OF CALIFORNIA

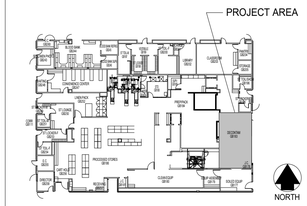
ARCHITECT:
marks architects
73121 FRED WARING DR. STE. 200
PALM DESERT, CA. 92260
760-327-6800

Project No. 3021028.00

DAVID WILLIAM CLARKE C-21219

PROFESSIONAL SEAL:
STATE OF CALIFORNIA
LICENSED ARCHITECT
DAVID WILLIAM CLARKE
C-21219
10-23
RENEWAL DATE

KEY PLAN:



Department of Health Care Access and Information

HCAI # S222316-36-00

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Department of Health Care Access & Information
Office of Statewide Hospital Planning & Development
5/16/2023, 2:27:57 PM
S222316-36-00
Laura Baldrati

REVISIONS

No.	Date	Revision / Issue
1	2/8/23	HCAI COMMENT

SHEET INFORMATION

Issue	**100% CONSTRUCTION DOCUMENTS**
Date	**12/28/2022**
Job Number	**21007618.00**
Drawn	**Author**
Checked	**Checker**
Approved	

SHEET TITLE

AIR BALANCE SUMMARY

SHEET NUMBER
M0.2

STERILIZATION SYSTEM INSTALLATION

ARROWHEAD REGIONAL MEDICAL CENTER

400 N. PEPPER AVE. COLTON CA. 92324
WBSE # 10.10.1142

INDEX TO DRAWINGS

ARCHITECTURAL
T1.1 TITLE SHEET - INDEX TO DRAWINGS
T1.2 GENERAL NOTES

A1.1 GROUND FLOOR OVERALL SITE AND ACCESSIBILITY PLAN
A1.2 GROUND FLOOR - TEMPORARY SPD OPERATIONS PLAN
D2.1 DEMOLITION FLOOR PLAN
D5.1 DEMOLITION REFLECTED CEILING PLAN
D8.1 DEMOLITION & REMODEL - INTERIOR ELEVATIONS
A3.1 REMODEL FLOOR PLAN
A2.2 LIFE SAFETY FLOOR PLAN
A5.1 REMODEL REFLECTED CEILING PLAN

STRUCTURAL
S1.1 GENERAL NOTES & EQUIPMENT PLAN
S1.2 WALL ELEV., SECTION & DETAILS
S1.3 EQUIPMENT ANCHORAGE DETAILS

MECHANICAL
M0.1 MECHANICAL COVERSHEET
M0.2 SCHEDULES
M0.3 SPECIFICATIONS
M0.4 SPECIFICATIONS
M0.5 SPECIFICATIONS
M0.6 SPECIFICATIONS
M1.1 GROUND LEVEL DEMOLITION PLAN - MECHANICAL
M2.1 GROUND LEVEL PLAN - MECHANICAL
M3.1 DETAILS
M3.2 DETAILS
M3.3 DETAILS

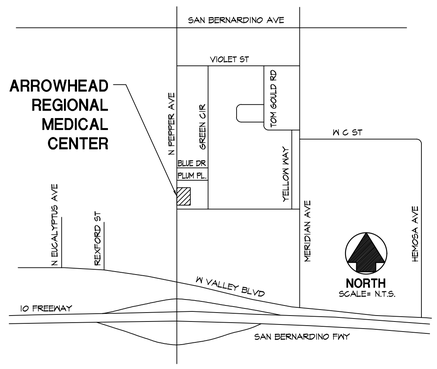
PLUMBING
P0.1 PLUMBING COVERSHEET
P0.2 SCHEDULES
P0.3 SPECIFICATIONS
P0.4 SPECIFICATIONS
P1.1 GROUND LEVEL DEMOLITION PLAN - PLUMBING
P2.0 CRAWL SPACE PLAN - PLUMBING
P2.1 GROUND LEVEL PLAN - PLUMBING
P3.1 DETAILS

ELECTRICAL
E0.1 ELECTRICAL COVERSHEET
E0.2 SINGLE LINE DIAGRAM
E1.0 OVERALL GROUND LEVEL PLAN - ELECTRICAL
E1.1 GROUND LEVEL DEMOLITION PLAN - ELECTRICAL
E2.1 GROUND LEVEL PLAN - ELECTRICAL
E3.1 DETAILS

SYMBOL LEGEND

- COLUMN LINES, GRID LINES LETTERS IN ONE DIRECTION NUMBERS IN OTHER DIRECTION
- MATCH LINE SHADED PORTION IS THE SIDE SHOWN SHEET WHERE UNSHOWN PORTION IS DRAWN
- SECTION/ELEVATION SECTION/ELEVATION IDENTIFICATION SHEET WHERE SECTION/ELEVATION IS DRAWN
- DETAIL DETAIL IDENTIFICATION SHEET WHERE DETAIL IS DRAWN
- DOOR SYMBOL
- GLAZING SYMBOL
- REVISION CLOUD AROUND REVISED AREA REVISION NUMBER
- ROOM IDENTIFICATION INTERIOR ELEVATION
  - OFFICE — ROOM NAME
  - ELEVATION IDENTIFICATION
  - ROOM NUMBER
- WORK POINT, CONTROL POINT OR DATUM POINT

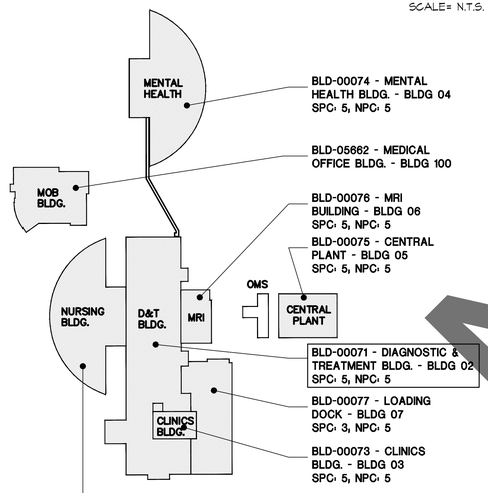
VICINITY MAP



KEY MAP

ARROWHEAD REGIONAL MEDICAL CENTER
FACILITY #17282

NORTH
SCALE= N.T.S.



- BLD-00074 - MENTAL HEALTH BLDG. - BLDG 04 SPC: 5, NPC: 5
- BLD-05862 - MEDICAL OFFICE BLDG. - BLDG 100
- BLD-00076 - MRI BUILDING - BLDG 06 SPC: 5, NPC: 5
- BLD-00075 - CENTRAL PLANT - BLDG 05 SPC: 5, NPC: 5
- BLD-00071 - DIAGNOSTIC & TREATMENT BLDG. - BLDG 02 SPC: 5, NPC: 5
- BLD-00077 - LOADING DOCK - BLDG 07 SPC: 3, NPC: 5
- BLD-00073 - CLINICS BLDG. - BLDG 03 SPC: 5, NPC: 5
- BLD-00072 - NURSING TOWER - BLDG 01 SPC: 5, NPC: 5

PROJECT DATA

APPLICABLE CODES: (PER 2019 CBC CHAPTER 35)

2019 CALIFORNIA ADMINISTRATIVE CODE (CAC)
PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2019 CALIFORNIA BUILDING CODE (CBC)
PART 2, TITLE 24, CCR
BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC)
2019 CALIFORNIA ELECTRICAL CODE (CEC)
PART 3, TITLE 24, CCR
BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC)
2019 CALIFORNIA MECHANICAL CODE (CMC)
PART 4, TITLE 24, CCR
BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC)
2019 CALIFORNIA PLUMBING CODE (CPC)
PART 5, TITLE 24, CCR
BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC)
2019 CALIFORNIA ENERGY CODE (CEC)
PART 6, TITLE 24, CCR
2019 CALIFORNIA HISTORICAL BUILDING CODE (CHBC)
PART 8, TITLE 24, CCR
2019 CALIFORNIA FIRE CODE (CFC)
PART 9, TITLE 24, CCR
BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC)
2019 CALIFORNIA EXISTING BUILDING CODE (CEBC)
PART 10, TITLE 24, CCR
BASED ON THE 2018 INTERNATIONAL BUILDING CODE
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)
PART 11, TITLE 24, CCR
2019 CALIFORNIA REFERENCED STANDARDS CODE (CRSC)
PART 12, TITLE 24, CCR

2016 NFPA 72
2018 NFPA 99 HEALTHCARE FACILITIES CODE
2018 NFPA 101 LIFE SAFETY CODE

THE JOINT COMMISSION REQUIRES REFERENCE TO THE FOLLOWING CODES:
2018 NFPA 72
2012 NFPA 99 HEALTHCARE FACILITIES CODE
2012 NFPA 101 LIFE SAFETY CODE

NEW AND EXISTING CONSTRUCTION:
TYPE I-A, FULLY SPRINKLERED BY AUTOMATIC FIRE SPRINKLER SYSTEM

BUILDING HEIGHT:
FOUR STORY BUILDING - 77'-9" ROOF HEIGHT

CONSTRUCTION TYPE:
EXISTING BUILDING ELEMENTS

EXTERIOR BEARING WALLS (PRECAST CONC. WALL)	3 HR.
INTERIOR BEARING WALLS (NONE)	3 HR.
STRUCTURAL FRAME (CONC. COLUMNS W/ CONC. BEAMS)	3 HR.
INTERIOR NON-LOAD BEARING PARTITIONS (20 GA STL. STUDS)	0
SHAFT ENCLOSURES	2 HR.
FLOORS (CONCRETE SLAB)	2 HR.
ROOFS (CONCRETE SLAB)	1 1/2 HR.

OCCUPANCY:
- GROUP I-2 (HOSPITAL)
- GROUP S-2 (CENTRAL PLANT)

SB 1953 STATUS:
SPC: 5
NPC: 5

DEFERRED APPROVALS: (THE FOLLOWING ARE DEFERRED APPROVALS THAT REQUIRE HCAI REVIEW AND APPROVAL PRIOR TO THEIR FABRICATION AND/OR INSTALLATION.)
- NONE

CERTIFICATION OF EQUIPMENT AND NONSTRUCTURAL COMPONENTS:
IN ACCORDANCE WITH 2019 CBC, SECTION 1705.13.2, "SEISMIC CERTIFICATION OF NONSTRUCTURAL COMPONENTS".

THERE ARE NO COMPONENTS OR EQUIPMENT THAT REQUIRE SPECIAL SEISMIC CERTIFICATION.
- NONE REQUIRED

AREA:
PROJECT AREA = 1,737 S.F.

DESCRIPTION OF WORK:
REMOVAL OF (3) EXISTING STERILE WASHERS, (3) SINKS, AND THE STAINLESS STEEL BARRIER WALL BETWEEN CLEAN AND DECONTAMINATION SIDES OF THE STERILE PROCESSING UNIT (SPD) AND THE INSTALLATION OF (4) NEW STERILE WASHERS, (3) NEW SINKS, A NEW STAINLESS STEEL BARRIER WALL BETWEEN STERILE AND DECONTAMINATION SIDES OF THE SPD, AND REPLACEMENT OF FLOORING IN THE PROJECT SCOPE AREA.

THE MOBILE SPD TRAILER PROJECT S222348-36-00 SHALL BE COMPLETED AND LICENSED BY CDPH BEFORE THE CURRENT PROJECT S222347-36 CAN START CONSTRUCTION.

GENERAL NOTES

A. EQUIPMENT ANCHORAGE :

ANCHORAGE AND SUPPORTS OF ALL EQUIPMENT TO BE INSTALLED, AS A PART OF THIS PROJECT SHALL BE DETAILED ON CONSTRUCTION DOCUMENTS, EXCEPT THOSE EXEMPT BY 2019 CBC SECTION 1617A.1.18 ASCE 7, SECTION 13.1.4.

1. FURNITURE (EXCEPT STORAGE CABINETS AS NOTED IN TABLE 13.5-1 OF ASCE 7).
2. TEMPORARY OR MOVEABLE EQUIPMENT.
   EXCEPTIONS:
   a) EQUIPMENT SHALL BE ANCHORED IF IT IS PERMANENTLY ATTACHED TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. FOR THE PURPOSES OF THIS REQUIREMENT, "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
   b) MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET (1.22 M) OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT, SHALL BE RESTRAINED IN A MANNER APPROVED BY THE ENFORCEMENT AGENCY. MOBILE EQUIPMENT SHALL BE RESTRAINED WHEN NOT IN USE AND IS STORED, UNLESS THE EQUIPMENT IS STORED IN A STORAGE ROOM THAT DOES NOT HOUSE HAZARDOUS MATERIALS OR ANY FACILITY SYSTEMS OR FIXED EQUIPMENT THAT CAN BE AFFECTED BY MOBILE EQUIPMENT LACKING RESTRAINT.
   c) [HCAI 1 & 4] MOVABLE EQUIPMENT SHALL BE ANCHORED BY DETACHABLE ANCHORS OR RESTRAINTS IN A MANNER APPROVED BY THE ENFORCEMENT AGENCY, WHEN UTILITIES AND SERVICES AT THE EQUIPMENT HAVE FLEXIBLE CONNECTIONS TO ALLOW FOR NECESSARY MOVEMENT.
   d) [HCAI 1 & 4] MOBILE EQUIPMENT HEAVIER THAN 400 POUNDS THAT HAS A CENTER OF MASS LOCATED 4 FEET (1.22 M) OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE EQUIPMENT SHALL BE RESTRAINED IN A MANNER APPROVED BY THE ENFORCEMENT AGENCY WHEN NOT IN USE AND IS STORED, UNLESS THE EQUIPMENT IS STORED IN AN EQUIPMENT STORAGE ROOM.
3. DISCRETE ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND FIXED EQUIPMENT IN SEISMIC DESIGN CATEGORY D, E OR F THAT ARE POSITIVELY ATTACHED TO THE STRUCTURE AND ANCHORAGE IS DETAILED ON THE PLANS, PROVIDED THAT EITHER:
   a) THE COMPONENT WEIGHS 400 POUNDS (1780 N) < OR LESS, THE CENTER OF MASS IS LOCATED 4 FEET (1.22 M) OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT, AND FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.
   EXCEPTION : SPECIAL SEISMIC CERTIFICATION REQUIREMENTS OF THIS CODE IN ACCORDANCE WITH SECTION 1705A.13.3 SHALL BE APPLICABLE.
   OR
   b) THE COMPONENT WEIGHS 20 POUNDS (89 N) OR LESS OR, IN THE CASE OF A DISTRIBUTED SYSTEM, 5 LB/FT (73 N/M) OR LESS.
   EXCEPTION : THE ENFORCEMENT AGENCY SHALL BE PERMITTED TO REQUIRE ATTACHMENTS FOR EQUIPMENT WITH HAZARDOUS CONTENTS TO BE SHOWN ON CONSTRUCTION DOCUMENTS IRRESPECTIVE OF WEIGHT.

B. INSTALLATION OF POST INSTALLED ANCHORS :

1. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE- OR POST-TENSIONED) LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

C. FIRE SPRINKLERS :

1. SPACING AND DETAILS OF THE SUPPORT AND BRACING OF FIRE SPRINKLER PIPING SHALL COMPLY WITH THE 2016 EDITION OF NFPA 13 AND CHAPTER 13 OF ASCE 7 AS MODIFIED BY THE CBC 2019, SECTION 1617A AND STATE FIRE MARSHAL AMENDMENTS.

D. LATERAL FORCE DESIGN CRITERIA :

PER 2019 CBC SECTION 1603A.1.5, THE FOLLOWING INFORMATION RELATED TO SEISMIC LOADS FOR EQUIPMENT ANCHORAGE DESIGN SHALL BE AS NOTED BELOW:

1.	SEISMIC IMPORTANCE FACTOR:	Ip = 1.5
2.	RISK CATEGORY:	IV
3.	MAPPED SPECTRAL RESPONSE ACCELERATIONS:	Ss = 2.061 S1 = 0.818
4.	SITE CLASS:	D
5.	SPECTRAL RESPONSE COEFFICIENTS:	Sds = 1.649 Sd1 = NULL
6.	SEISMIC DESIGN CATEGORY:	F

E. INFECTION CONTROL :

1. PROVIDE AND INSTALL TEMPORARY BARRICADES MEETING ICRA LEVEL 4 CONTAINMENT STANDARDS. A PRE-MANUFACTURED MODULAR WALL SYSTEM (SUCH AS BY STARC SYSTEMS "REALWALL") IS ACCEPTABLE. WHERE NO FIRE RATING IS REQUIRED, FIRE RESISTANT PLASTIC SHEETS (SOFT BARRICADE) IS NOT ACCEPTABLE.
2. BARRICADES ARE TO PREVENT UNAUTHORIZED ENTRY INTO THE CONSTRUCTION AREA AND TO PERMIT THE OWNER THE CONTINUED USE OF THE ADJACENT AREAS. BARRICADES SHALL BE AIR TIGHT SO AS NO DUST, CONTAMINATED AIR, FUMES, GASES, AND ODORS WILL BE ALLOWED IN CORRIDORS OR ANY OTHER OWNER OCCUPIED AREAS.
3. PROVIDE CONTAMINATION CONTROL FLOOR MATS (STICKY MATS) AT THE ACCESS TO THE CONSTRUCTION AREA TO PREVENT THE TRACKING OF CONSTRUCTION DUST.
4. MAINTAIN NEGATIVE AIR PRESSURE (A MAGNEHELIC GAUGE READING OF -.10) CONTINUOUSLY AND UNINTERRUPTED FOR THE DURATION OF THE CONSTRUCTION. THE NEGATIVE AIR PRESSURE MAY BE ACHIEVED BY PORTABLE FANS AND AIR SCRUBBERS WITH HEPA FILTERS AND FAN UNITS TO FACILITATE THE VENTILATION OF THE ENCLOSED CONSTRUCTION AREA. UNITS SHALL BE SET UP TO EXHAUST DIRECTLY TO THE OUTSIDE. WHERE IT IS NOT POSSIBLE TO EXHAUST TO THE OUTSIDE, FILTERED AIR MAY BE RE-CIRCULATED WITHIN THE CONSTRUCTION AREA.
5. PROVIDE VISQUEEN BARRICADES PRIOR TO THE ERECTION OF HARD BARRICADES AND PRIOR TO REMOVING THEM. VACUUM AREA WITH HEPA VACUUM AFTER REMOVING THE HARD BARRICADE AND PRIOR TO REMOVING THE SOFT BARRICADE. CARE SHOULD BE TAKEN NOT TO TRANSMIT DUST ON THE VISQUEEN INTO ADJACENT AREAS.

DESIGN PROFESSIONALS OF RECORD

ARCHITECT OF RECORD
DAVID W. CLARKE, LIC. NO. C21219
MARKS ARCHITECTS, INC.
73121 FRED WARING DR., SUITE 200
PALM DESERT, CA 92260
(760) 327-6800 (575) 640-5673
DAVID@MARKSARCHITECTS.COM

MECHANICAL ENGINEER OF RECORD
HIMANSU P. SHAH, LIC. NO. M25602
IMEG CORP.
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA 91764
(714) 767-5446 (626) 463-2865
HIMANSU.P.SHAH@IMEGCORP.COM

ELECTRICAL ENGINEER OF RECORD
NESTOR C. IGNACIO, LIC. NO. E16934
IMEG CORP.
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA 91764
(909) 942-5548 (909) 374-0412
NESTOR.C.IGNACIO@IMEGCORP.COM

STRUCTURAL ENGINEER OF RECORD
CHE TANG, LIC. NO. S4433
TANG STRUCTURAL ENGINEERS, INC.
7950 CHERRY AVE., SUITE 114
FONTANA, CA 92336
(909) 429-0450 (909) 856-9967
CHE@TANG-SE.COM

POLICY INTENT NOTICE

THE INTENT OF THE CONSTRUCTION DRAWINGS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE 2019 CALIFORNIA BUILDING STANDARDS CODE (CBSC). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS, WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2019 CBSC, AMENDED CONSTRUCTION DOCUMENTS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY HCAI BEFORE PROCEEDING WITH THE WORK.

OWNERSHIP OF INSTRUMENTS OF SERVICE

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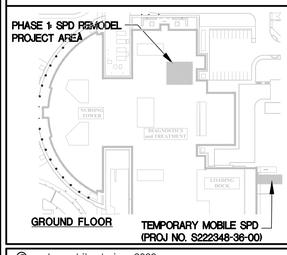
PROJECT TITLE
STERILIZATION SYSTEM INSTALLATION
FOR THE
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE.
COLTON, CA. 92324
WBSE #10.10.1142 - CIP #21-154 - CAFM #COL003

Department of Health Care Access and Information
HCAI # S222347-36-00
REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access & Information
Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

REFERENCE PLAN



DRAWING TITLE
TITLE SHEET - INDEX TO DRAWINGS

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

REVISIONS

1	PLAN CHECK COMMENTS - 02.13.2023
2	AMC0001 - 06.13.2023
3	PLAN CHECK COMMENTS - 06.27.2023
4	PLAN CHECK COMMENTS - 08.15.2023
5	
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STATE LICENSED ARCHITECT DAVID WILLIAM CLARKE C-21219 RENEWAL 08-31-2025 CALIFORNIA

PROJECT NUMBER
3021027

DRAWING NUMBER
T1.1

S:\Active Projects\County of San Bernardino\On Call Projects\Arrowhead Regional Medical Center\(3021027) ARMC - Sterilizer Installation\3021027 T1.1.dwg Oct 16, 2023 - 11:08am

GENERAL NOTES

GENERAL REQUIREMENTS

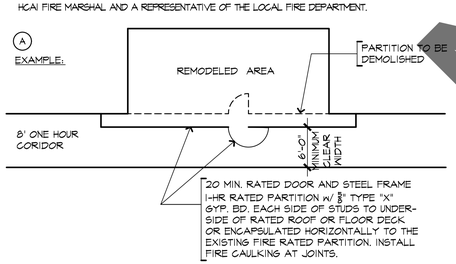
1. ALL DISTANCES, DATA AND EXISTING STRUCTURES AND UTILITIES ABOVE OR BELOW THE GROUND, WITHIN THE LIMITS OF THIS PROJECT SHALL BE CHECKED BY THE CONTRACTOR. IN CASE OF CONFLICT, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY IN ORDER THAT CLARIFICATION MAY BE MADE.
2. PRIOR TO START OF WORK, THE CONTRACTOR SHALL CAREFULLY INSPECT AND VERIFY ALL CONDITIONS SHOWN ON THE CONTRACT DRAWINGS, IF WORK CAN NOT BE PERFORMED AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY. WORK PERFORMED AFTER SUCH DISCOVERY UNLESS AUTHORIZED BY THE ARCHITECT SHALL BE DONE AT THE CONTRACTOR'S RISK.
3. DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING THE WORK. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT THE OVERALL DIMENSIONS OR CONDITIONS AND SHALL BE INCLUDED AS PART OF THE WORK.
4. DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. SPECIFIC NOTES ON DETAILS APPLY TO SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
5. THE CONTRACTOR SHALL PROVIDE AND COORDINATE THE EXACT DIMENSIONS, SIZES AND POSITIONS OF ALL EQUIPMENT, MOUNTINGS, ATTACHMENTS AND CONDUIT RELATING TO THE WORK.
6. THE CONTRACTOR SHALL PROVIDE AND COORDINATE THE EXACT DIMENSIONS, SIZES AND POSITIONS OF OPENINGS IN SLABS AND WALLS NECESSARY TO THE INSTALLATION OF THE WORK.
7. THE CONTRACTOR SHALL CONNECT ALL SERVICES TO EXISTING UTILITIES. ALL UTILITIES SHALL BE CONNECTED TO PROVIDE ELECTRICITY, WATER, GAS, ETC. TO ALL EQUIPMENT SHOWN AS PART OF THIS CONTRACT. ALL EQUIPMENT SHALL FUNCTION CORRECTLY UPON COMPLETION OF THE CONTRACT.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE CONNECTIONS.
9. THE CONTRACTOR SHALL PROVIDE MOUNTING PLATES BEHIND ALL WALL MOUNTED ITEMS SUCH AS HANDRAILS, TOILET PARTITIONS, LIGHT FIXTURES, MEP EQUIPMENT, ETC.
10. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO PREVENT DIELECTRIC ACTION.
11. LEGAL EXITS SHALL BE ACCESSIBLE AT ALL TIMES. WHERE AISLES MAY OCCUR LEADING TO EXITS, THEY SHALL HAVE A CLEAR WIDTH AS SHOWN ON THE DRAWINGS BUT IN NO CASE LESS THAN 3'-8" MINIMUM CLEARANCE.
12. DISCREPANCIES BETWEEN PLANS AND SPECIFICATIONS, LARGE AND SMALL DETAILS OR VARIOUS SECTIONS OF THE DRAWINGS, SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION.
13. ITEMS OF EXISTING WORK, INDICATED TO REMAIN UPON COMPLETION OF THE CONTRACT, BUT WHICH REQUIRE REMOVAL TO COMPLETE THE WORK, SHALL BE CAREFULLY REMOVED AND REPLACED UPON COMPLETION. THE REPLACED WORK SHALL MATCH ITS CONDITION AT THE START OF THE WORK UNLESS OTHERWISE REQUIRED BY THE DRAWINGS.
14. CHANGES IN PLANS AND SPECIFICATIONS, OTHER THAN THOSE NECESSARY FOR CORRECTIONS MADE AFTER SUBMISSION FOR AGENCY APPROVAL SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING.
15. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR CHANGE ORDER APPROVED BY HCAI, AS REQUIRED BY TITLE 24, CCR.
16. A PROJECT INSPECTOR EMPLOYED BY THE OWNER SHALL PROVIDE CONTINUOUS INSPECTION OF THIS WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN PART 1, TITLE 24, CCR.
17. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH CALIFORNIA CODE OF REGULATIONS TITLE 24. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID CALIFORNIA CODE OF REGULATIONS TITLE 24, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY HCAI BEFORE PROCEEDING WITH THE WORK. CCR TITLE 24, PART 1, SECTION 7-125(b)(2).
18. NOTIFY THE HCAI DISTRICT STRUCTURAL ENGINEER PRIOR TO THE START OF CONSTRUCTION WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN PART 1, TITLE 24, CCR.
19. THE SIZES, LOCATION FOR MOUNTINGS AND ATTACHMENTS AND LOCATIONS OF UTILITY CONNECTIONS FOR EACH ITEM OF EQUIPMENT SHOWN ON THE DRAWINGS ARE FOR ILLUSTRATION ONLY. ALL CAN VARY FROM MANUFACTURER TO MANUFACTURER AND ARE DEPENDENT ON THE EXACT MANUFACTURERS MODEL FURNISHED. THE CONTRACTOR SHALL PROVIDE AND COORDINATE EXACT DIMENSIONS RELATING TO THE SIZE OF EACH ITEM OF EQUIPMENT, THE LOCATIONS OF ALL MOUNTINGS AND ATTACHMENTS FOR EACH ITEM OF EQUIPMENT AND FOR ALL UTILITY CONNECTIONS TO EACH ITEM OF EQUIPMENT.
20. THE CONTRACTOR SHALL PROVIDE AND COORDINATE THE EXACT DIMENSIONS, SIZES AND POSITIONS OF ALL OPENINGS IN FLOOR AND WALL CONSTRUCTION NECESSARY FOR THE INSTALLATION OF THE WORK.

FIRE PROTECTION - LIFE SAFETY

21. ALL FIRE RESISTIVE ASSEMBLIES FOR PROTECTION OF OPENINGS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE.
22. ALL VOIDS AND PENETRATIONS IN CEILINGS OR WALLS, INCLUDING RECESSED LIGHTS, MECHANICAL DUCTS, ACCESS OPENINGS, ETC., SHALL BE RATED AS REQUIRED BY CODE.
25. PROVIDE FIRE EXTINGUISHERS AND CABINETS AND PORTABLE FIRE EXTINGUISHERS WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR AND AT ALL MECHANICAL AND ELECTRICAL ROOMS AND AS DIRECTED BY THE FIRE MARSHALL [SEE 906.3 SIZE & DISTRIBUTION]. TYPE OF FIRE EXTINGUISHER SHALL BE [2-A: 10-B: C]. TABLE 906.3(1).
26. THE FACILITY MUST MAINTAIN ITS REGULAR SERVICES, INCLUDING EXITS, DURING THE PERIOD THIS WORK IS IN PROGRESS.
27. FIRE RATED SEPARATIONS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION, PER CFC SECTION 3301 (MEET REQUIREMENTS OF HCAI CAN 9-3301).

    THE USE OF VISQUEEN OR SIMILAR TYPE OF MATERIAL AS A TEMPORARY CONSTRUCTION BARRIER WHERE A FIRE SEPARATION IS REQUIRED SHALL NOT BE PERMITTED. A TEMPORARY BARRIER SHALL MEET THE SAME FIRE RATING AS WOULD THE PERMANENT PARTITION.

    WHERE A TEMPORARY PARTITION IS PLACED ACROSS A CORRIDOR OR IN ANY WAY BLOCKS AN EXIT OR CREATES A DEAD END, APPROVED PLANS SHOWING THESE CONDITIONS SHALL BE APPROVED BY HCAI FIRE MARSHAL AND A REPRESENTATIVE OF THE LOCAL FIRE DEPARTMENT.



DURING CONSTRUCTION, A FIRE WATCH WILL BE REQUIRED IF ANY REQUIRED FIRE RATED SEPARATOR IS NOT IN FULL COMPLIANCE WITH THE GOVERNING LOCAL AND STATE REGULATIONS.

28. INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDEXES. PER CBC SECTION 803.1.2.

CLASS A:	FLAME SPREAD INDEX: 0-25;	SMOKE DEVELOPED INDEX 0-450.
CLASS B:	FLAME SPREAD INDEX: 26-75;	SMOKE DEVELOPED INDEX 0-450
CLASS C:	FLAME SPREAD INDEX: 76-200;	SMOKE DEVELOPED INDEX 0-450

FIRE SAFETY DURING CONSTRUCTION, ALTERATION AND DEMOLITION FOR NEW CONSTRUCTION AND ADDITIONS

29. FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED.
30. FIRE EXTINGUISHERS-SHALL BE PROVIDED FOR BUILDINGS UNDER CONSTRUCTION AS REQUIRED BY THE HCAI FIRE MARSHAL AND THE LOCAL FIRE AUTHORITY.
31. COMBUSTIBLE DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE WITHIN THE BUILDING.
32. ACCESS TO BUILDINGS FOR THE PURPOSE OF FIRE FIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL WILE NOT BLOCK ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES.
33. CUTTING AND WELDING OPERATIONS SHALL BE IN ACCORDANCE WITH THE GENERAL SAFETY RULES OF CFC SECTION 105.6.11, 33.4.6, 3501.1 OF THE FIRE CODE.
34. EXISTING FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATIONS AND CONSTRUCTION.
35. WHEN TEMPORARY CONSTRUCTION BARRIERS ARE NECESSARY, TEMPORARY EXITING SHALL BE APPROVED BY THE HCAI FIRE MARSHAL AND THE LOCAL FIRE AUTHORITY. SEE DIAGRAM (A) NOTE 27.
36. EXISTING FIRE-RESISTIVE ASSEMBLIES AND CONSTRUCTION SHALL BE MAINTAINED.
37. PLASTIC FILM WHEN USED FOR DUST PROTECTION, SHALL BE FLAME RESISTANT.
38. SAFETY PRECAUTIONS INCLUDING FIRE DEPARTMENT ACCESS, WATER SUPPLY, NUMBER AND LOCATIONS OF HYDRANTS AND FIRE EXTINGUISHERS SHALL BE APPROVED BY THE HCAI FIRE MARSHAL AND THE LOCAL FIRE AUTHORITY.
39. FIRE PROTECTION OF STRUCTURAL MEMBERS SHALL BE REPAIRED/REPLACED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE.
40. FIRE SAFETY DURING WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA FIRE CODE.

    REPAIR AND WELDING PROCEDURES SHALL BE REVIEWED AND APPROVED BY THE HCAI FIRE MARSHAL AND LOCAL FIRE AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH CALIFORNIA FIRE CODE.

    SUCH REVIEW SHALL INCLUDE BUT NOT NECESSARILY BE LIMITED TO:

    - METHOD AND LOCATION OF CYLINDER STORAGE
    - USE AND LOCATION OF ELECTRICAL GENERATORS AND ASSOCIATED FUEL SUPPLY
    - PROVISION OF FRESH AIR SUPPLY AND EXHAUST SYSTEMS
    - PROVISION OF NONCOMBUSTIBLE SHIELDS
    - FIRE WATCH PROCEDURES
    - SCHEDULING OF WORK PROCEDURES FOR NOTIFYING FIRE DEPARTMENT OF WHERE AND WHEN WELDING IS SCHEDULED.
41. FIRE SPRINKLER, STANDPIPE AND FIRE ALARM SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES. WHEN IT IS NECESSARY TO SHUT DOWN A SYSTEM OR A PORTION OF A SYSTEM, A FIRE WATCH SHALL BE PROVIDED PER THE CALIFORNIA FIRE CODE.
42. "THROUGH PENETRATION FIRE STOP SYSTEM", PENETRATION THROUGH FIRE-RATED FLOORS AND WALLS SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTIONS 714.4 SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE PROVIDED FOR REVIEW BY INSPECTION AUTHORITIES. SUBSTITUTIONS OF OR REVISIONS OR ADDITIONS TO APPROVED SYSTEMS SHALL BE SUBMITTED TO THE INSPECTOR OF RECORD AND THE HCAI FIRE MARSHALL FOR FIELD REVIEW AND APPROVAL.
43. ALL WOOD USED FOR BLOCKING, NAILERS AND/OR FRAMING USED FOR PERMANENT CONSTRUCTION SHALL BE FIRE RETARDANT PRESSURE TREATED AND SHALL BEAR AN APPROVED INSPECTION AGENCY LABEL.
44. THROUGH-PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM OR MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 Pa) OF WATER OR AS OTHERWISE PERMITTED BY 2019 CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEM AND MEMBRANE PENETRATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED TO OSHPD/HCAI FIELD FIRE MARSHAL FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION PER 2019 CBC, SECTION(S) 107.2.1 AND 714. △1

NOISE AND DUST CONTROL

45. THE HOSPITAL IS OPEN 24 HOURS A DAY AND SHALL BE KEPT IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD. ANY WORK THAT WILL DISRUPT THE MEDICAL OPERATIONS SHALL BE COORDINATED WITH OWNER THROUGH THE OWNER REPRESENTATIVE. NOISY WORK, ACTIVITIES CAUSING VIBRATION AND/OR SIMILAR DISRUPTED ACTIONS SHALL BE SCHEDULED AT TIMES ACCEPTABLE TO THE OWNER.
46. EXERCISE CAUTION TO PREVENT GENERATION OF UNNECESSARY NOISE LEVELS TO MINIMUM POSSIBLE. DO NOT EXCEED CAL/OSHA STANDARDS AT ANY TIME. DISCONTINUE NOISE PRODUCING OPERATIONS, WHEN REQUESTED BY THE OWNER, AND RESCHEDULE AT A MUTUALLY ACCEPTABLE TIME.
47. DO NOT USE IMPACT TOOLS, SUCH AS JACK HAMMERS, INSIDE THE BUILDING WHEN IT IS OPENED TO THE PUBLIC.
48. MOUNT ROLLING EQUIPMENT ON PNEUMATIC TIRES.
49. EQUIP INTERNAL COMBUSTION ENGINES WITH SUITABLE MUFFLERS. DO NOT USE INTERNAL COMBUSTION ENGINES IN ENCLOSED SPACES, INCLUDING THE BUILDING, WITHOUT THE OWNER'S WRITTEN APPROVAL
50. ALL DUST, NOISE AND ODORS SHALL BE CONTROLLED PER OWNER'S REQUIREMENTS. ANY WORK THAT WILL DISRUPT THE MEDICAL OPERATIONS SHALL BE COORDINATED WITH OWNER THROUGH THE OWNER REPRESENTATIVE.
51. THE PROJECT AREA SHALL BE ISOLATED FROM ADJACENT OCCUPIED SPACES DURING CONSTRUCTION USING BARRIERS, AIR DISTRIBUTION AND MATERIAL HANDLING.
52. BARRIERS SHALL BE TIGHTLY SEALED WITH TAPE FROM WALL, FLOOR TO STRUCTURE ABOVE OR ACOUSTICAL CEILING WHERE SUSPENDED CEILING WILL NOT BE DISTURBED.
53. THE ARCHITECT ASSUMES NO RESPONSIBILITY RELATING TO ANY HAZARDOUS OR TOXIC MATERIALS, INCLUDING ASBESTOS, AND ASSUMES NO RESPONSIBILITY FOR ITS EXISTENCE OR REMOVAL. THE OWNER SHALL TAKE ACTION FOR DIRECTLY CONTACTING WITH A CONSULTANT OR SPECIALIST FOR SUCH, LICENSED BY THE STATE OF CALIFORNIA, SHOULD THOSE SERVICES BE REQUIRED ON THE PROJECT.
54. NO PRODUCTS CONTAINING ASBESTOS IN ANY FORM SHALL BE USED ON ANY PART OF THE WORK.

INFECTION CONTROL REQUIREMENTS

1. INFECTION CONTROL IS CRITICAL IN ALL AREAS OF ALL FACILITIES. CONSTRUCTION ACTIVITIES CAUSING DISTURBANCE OF EXISTING DUST, OR CREATING NEW DUST, MUST BE CONDUCTED IN TIGHT ENCLOSURES CUTTING OFF ANY FLOW OF PARTICLES INTO PATIENT AREAS.
2. THE HOSPITAL REQUIRES THAT ANY SUBCONTRACTOR, MATERIAL SUPPLIER, VENDOR, EMPLOYEE, OR AGENT BE BOUND BY THESE SAME REQUIREMENTS. BEFORE ANY CONSTRUCTION ON SITE BEGINS, THE CONTRACTOR'S ON-SITE MANAGEMENT TEAM SHALL ATTEND A MANDATORY MEETING HELD BY THE HOSPITAL'S REPRESENTATIVES, FOR INSTRUCTION ON PRECAUTIONS TO BE TAKEN.
3. THE CONSTRUCTION SITE SHALL BE MAINTAINED UNDER NEGATIVE PRESSURE AT ALL TIMES AND A GAUGE SCALE AT THE BARRICADE ENTRANCE SHALL READ 0.01 INCH H.G. HEPA EQUIPPED AIR FILTRATION MACHINES SHALL BE CONNECTED TO EMERGENCY POWER IF AVAILABLE, AND SHALL RUN CONTINUOUSLY FOR THE DURATION OF THE PROJECT, THE AIR FILTRATION (NEGATIVE PRESSURE) EQUIPMENT SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING WHENEVER POSSIBLE AND ONLY AFTER ALL OPTIONS HAVE BEEN CONSIDERED OF EXHAUSTING TO THE OUTSIDE SHALL THERE BE THE RECIRCULATION OF THE HEPA FILTRATED AIR WITHIN THE INTERIOR OF THE SPACE.
4. THE HOSPITAL'S PLANT MANAGER, SAFETY OFFICER, INFECTION CONTROL NURSE, FACILITIES DEPARTMENT, OR PLANT MANAGER'S DESIGNEE MAY MODIFY PERFORMANCE REQUIREMENTS FOR CERTAIN ACTIVITIES, FACILITIES, ENGINEERING AND INFECTION CONTROL MUST REVIEW ANY MODIFICATIONS MADE BY THE CONTRACTOR. ANY MODIFICATIONS MADE BY THE CONTRACTOR DOES NOT RELIEVE THE CONTRACTOR OF COMPLIANCE WITH PROPER INFECTION CONTROL PROCEDURES.
5. THE CONTRACTOR WILL SUBMIT A WRITTEN REPORT OF INFECTION CONTROL PROCEDURES PRIOR TO STARTING ANY WORK. THIS REPORT WILL INCLUDE THE LOCATION AND DETAILS OF BARRIERS, AND THE MEANS IN WHICH THEY PLAN TO OBTAIN THE NEGATIVE PRESSURIZATION.
6. THE CONTRACTOR WILL SUBMIT PRODUCT DATA FOR PRODUCTS USED IN INFECTION CONTROL PROGRAM. ONLY PRODUCTS APPROVED BY THE HOSPITAL'S INFECTION CONTROL COMMITTEE SHALL BE USED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE MSDS SHEETS ON ALL PRODUCTS USED. COPIES OF MSDS MUST BE PROVIDED TO THE SAFETY OFFICER.
7. THE HOSPITAL'S INFECTION CONTROL DEPARTMENT IN COLLABORATION WITH ENGINEERING DEPARTMENT AND SAFETY OFFICER WILL MONITOR INDOOR AIR QUALITY (PARTICULATE AND BIOLOGICALS) IN THE VICINITY OF CONSTRUCTION WORK AT THE BEGINNING, END, AND/OR AS NEEDED. PROJECTS WILL BE EVALUATED TO DETERMINE THE NEED TO CONDUCT INDOOR AIR SAMPLING. WHENEVER SAFE LEVELS ARE EXCEEDED, THE CONTRACTOR WILL BE NOTIFIED IMMEDIATELY FOR CORRECTIVE ACTIONS.
8. AN INFECTION CONTROL PERMIT IS REQUIRED FOR THIS PROJECT. THE INFECTION CONTROL CONSTRUCTION PERMIT FORM WILL BE OBTAINED FROM THE HOSPITAL'S INFECTION CONTROL DEPARTMENT AND/OR ENGINEERING DEPARTMENT AND COMPLETED BY THE CONSTRUCTION COMPANY. RCH INFECTION CONTROL AND OR DESIGNEE MUST SIGN THE COMPLETED PERMIT PRIOR TO BEGINNING ANY DEMOLITION, RENOVATION OR CONSTRUCTION WORK. THE PERMIT SHALL BE DISPLAYED AT ENTRANCE TO WORK AREA DURING ENTIRE CONSTRUCTION PERIOD.
9. COMPLETE ALL CRITICAL BARRIERS OR IMPLEMENT CONTROL CUBE METHOD BEFORE CONSTRUCTION BEGINS.
10. SEAL HOLES, PIPES, CONDUITS, AND PUNCTURES APPROPRIATELY.
11. VACUUM WORK AREA WITH HEPA FILTERED VACUMS.
12. WET MOP AREA WITH DISINFECTANT (QUATERNARY AMMONIUM).
13. REMOVE BARRIER MATERIAL CAREFULLY TO MINIMIZE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION.
14. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS.
15. COVER TRANSPORT RECEPTACLE OR CARTS. WIPE DOWN CART PRIOR TO LEAVING THE CONSTRUCTION AREA.

GENERAL CONSTRUCTION NOTES

1. PRIOR TO CONSTRUCTION STARTING HCAI FIELD FIRE MARSHAL AND LOCAL FIRE AUTHORITY SHALL REVIEW AND APPROVE THE MEANS OF EGRESS AND HOW IT WILL BE MAINTAINED DURING CONSTRUCTION IN THE EXIT ACCESS CORRIDOR. PER 2019 C.F.C. SECTION 3311.2 AND CAN 9-3301.
2. DEMOLITION AND RECONSTRUCTION WILL OCCUR WITHIN ONE SINGLE 8-HOUR SHIFT, SUBJECT TO THE PRIOR REVIEW AND APPROVAL OF THIS APPROACH BY THE HCAI FIELD FIRE MARSHAL. WORK MAY NOT PROCEED UNTIL THAT APPROVAL HAS BEEN OBTAINED. IN THE EVENT THE WORK CANNOT BE COMPLETED IN THAT SINGLE SHIFT, A RATED TEMPORARY BARRIER OF THE SAME FIRE-RESISTANCE RATING OF THE WALL SHALL BE PROVIDED. PER 2019 C.F.C. SECTION 703.1 AND CAN 9-3301.
3. WHERE A REQUIRED FIRE PROTECTION SYSTEM IS OUT OF SERVICE THE LOCAL FIRE JURISDICTION AND HCAI SHALL BE NOTIFIED. A FIRE WATCH SHALL BE PROVIDED UNTIL THE SYSTEM IS OPERABLE. WHEN A FIRE WATCH IS REQUIRED PERSONNEL SHALL BE PROVIDED WITH AN APPROVED MEANS FOR NOTIFYING THE FIRE DEPARTMENT AND THE ONLY DUTY OF THE FIRE WATCH PERSONNEL IS TO WATCH FOR THE OCCURRENCE OF FIRE. PER 2019 C.F.C. SECTIONS 901.7 & 3304.5 AND CAN 9-1404.5.

1910A.5 TESTS FOR POST-INSTALLED ANCHORS IN CONCRETE. WHEN POST-INSTALLED ANCHORS ARE USED IN LIEU OF CAST-IN PLACE BOLTS, THE INSTALLATION VERIFICATION TEST LOADS, FREQUENCY, AND ACCEPTANCE CRITERIA SHALL BE IN ACCORDANCE WITH THIS SECTION.

1910A.5.1 GENERAL. TEST LOADS OR TORQUES AND ACCEPTANCE CRITERIA SHALL BE SHOWN ON THE CONSTRUCTION DOCUMENTS.

IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME TYPE SHALL BE TESTED, WHICH ARE INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.

1910A.5.2 TESTING PROCEDURE. TEST PROCEDURE SHALL BE AS PERMITTED BY AN APPROVED TEST REPORT USING CRITERIA ADOPTED IN THIS CODE. ALL POST-INSTALLED ANCHORS SHALL BE TENSIONED TESTED.

EXCEPTION:
TORQUE CONTROLLED POST-INSTALLED ANCHORS SHALL BE PERMITTED TO BE TESTED USING TORQUE BASED ON APPROVED TEST REPORT USING CRITERIA ADOPTED IN THIS CODE.

ALTERNATIVELY, MANUFACTURER'S RECOMMENDATION FOR TESTING MAY BE APPROVED BY THE ENFORCEMENT AGENCY, BASED ON AN APPROVED TEST REPORT USING CRITERIA ADOPTED IN THIS CODE. △3

1910A.5.3 TEST FREQUENCY. WHEN POST-INSTALLED ANCHORS ARE USED FOR SILL PLATE BOLTING APPLICATIONS, 10 PERCENT OF THE ANCHORS SHALL BE TESTED.

WHEN POST-INSTALLED ANCHORS ARE USED FOR OTHER STRUCTURAL APPLICATIONS, ALL SUCH ANCHORS SHALL BE TESTED.

WHEN POST-INSTALLED ANCHORS ARE USED FOR NONSTRUCTURAL APPLICATIONS SUCH AS EQUIPMENT ANCHORAGE, 50 PERCENT OR ALTERNATE BOLTS IN A GROUP, INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP, SHALL BE TESTED.

THE TESTING OF THE POST-INSTALLED ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY.

EXCEPTIONS:

1. UNDERCUT ANCHORS THAT ALLOW VISUAL CONFIRMATION OF FULL SET SHALL NOT REQUIRE TESTING.
2. WHERE THE FACTORED DESIGN TENSION ON ANCHORS IS LESS THAN 100 LBS AND THOSE ANCHORS ARE CLEARLY NOTED ON THE APPROVED CONSTRUCTION DOCUMENTS, ONLY 10 PERCENT OF THOSE ANCHORS SHALL BE TESTED.
3. WHERE ADHESIVE ANCHOR SYSTEMS ARE USED TO INSTALL REINFORCING DOWEL BARS IN HARDENED CONCRETE, ONLY 25 PERCENT OF THE DOWELS SHALL BE TESTED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
   a. THE DOWELS ARE USED EXCLUSIVELY TO TRANSMIT SHEAR FORCES ACROSS JOINTS BETWEEN EXISTING AND NEW CONCRETE.
   b. THE NUMBER OF DOWELS IN ANY ONE MEMBER EQUALS OR EXCEEDS 12.
   c. THE DOWELS ARE UNIFORMLY DISTRIBUTED ACROSS SEISMIC FORCE RESISTING MEMBERS (SUCH AS SHEAR WALLS, COLLECTORS AND DIAPHRAGMS).

   ANCHORS TO BE TESTED SHALL BE SELECTED AT RANDOM BY THE SPECIAL INSPECTOR/INSPECTOR OF RECORD (IOR).
4. TESTING OF SHEAR DOWELS ACROSS COLD JOINTS IN SLABS ON GRADE, WHERE THE SLAB IS NOT PART OF THE LATERAL FORCE-RESISTING SYSTEM SHALL NOT BE REQUIRED.

5. TESTING IS NOT REQUIRED FOR POWER ACTUATED FASTENERS USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY, WHERE THERE ARE AT LEAST THREE FASTENERS PER SEGMENT OF TRACK.

1910A.5.4 TEST LOADS. REQUIRED TEST LOADS SHALL BE DETERMINED BY ONE OF THE FOLLOWING METHODS:

1. TWICE THE MAXIMUM ALLOWABLE TENSION LOAD OR ONE AND A QUARTER (1¼") TIMES THE MAXIMUM DESIGN STRENGTH OF ANCHORS AS PROVIDED IN AN APPROVED EVALUATION REPORT USING CRITERIA ADOPTED IN THIS CODE OR DETERMINED IN ACCORDANCE WITH CHAPTER 17 OF ACI 318.

   TENSION TEST LOAD NEED NOT EXCEED 80 PERCENT OF THE NOMINAL YIELD STRENGTH OF THE ANCHOR ELEMENT (=0.8A se fya).
2. THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE BASED ON APPROVED TEST REPORT USING CRITERIA ADOPTED IN THIS CODE.

1910A.5.5 TEST ACCEPTANCE CRITERIA. ACCEPTANCE CRITERIA FOR POST-INSTALLED ANCHORS SHALL BE BASED ON APPROVED TEST REPORT USING CRITERIA ADOPTED IN THIS CODE. FIELD TEST SHALL SATISFY FOLLOWING MINIMUM REQUIREMENTS.

1. HYDRAULIC RAM METHOD:

   ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNIBLE MOVEMENT DURING THE TENSION TEST, E.G., AS EVIDENCED BY LOOSENING OF THE WASHER UNDER THE NUT.

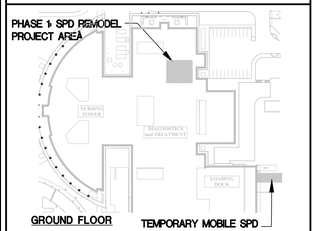
   FOR ADHESIVE ANCHORS, WHERE OTHER THAN BOND IS BEING TESTED, THE TESTING APPARATUS SUPPORT SHALL NOT BE LOCATED WITHIN 1.5 TIMES THE ANCHOR'S EMBEDMENT DEPTH TO AVOID RESTRICTING THE CONCRETE SHEAR CONE TYPE FAILURE MECHANISM FROM OCCURRING.
2. TORQUE WRENCH METHOD:

   TORQUE-CONTROLLED POST-INSTALLED ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE SPECIFIED TORQUE WITHIN 1/2 TURN OF THE NUT OR ONE QUARTER (1/4) TURN OF THE NUT FOR A 3/8 INCH SLEEVE ANCHOR ONLY. △2

PROJECT TITLE
STERILIZATION SYSTEM INSTALLATION
FOR THE
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE.
COLTON, CA. 92324
WBSE #10.10.1142 - CIP #21-154 - CAFM #COL003

Department of Health Care Access and Information
HCAI # S222347-36-00
REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access & Information
Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

REFERENCE PLAN



DRAWING TITLE: GENERAL NOTES

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE: DECEMBER 28, 2022

REVISIONS

1	PLAN CHECK COMMENTS - 02.13.2023
2	AMC0001 - 06.13.2023
3	PLAN CHECK COMMENTS - 06.27.2023
4	PLAN CHECK COMMENTS - 08.15.2023

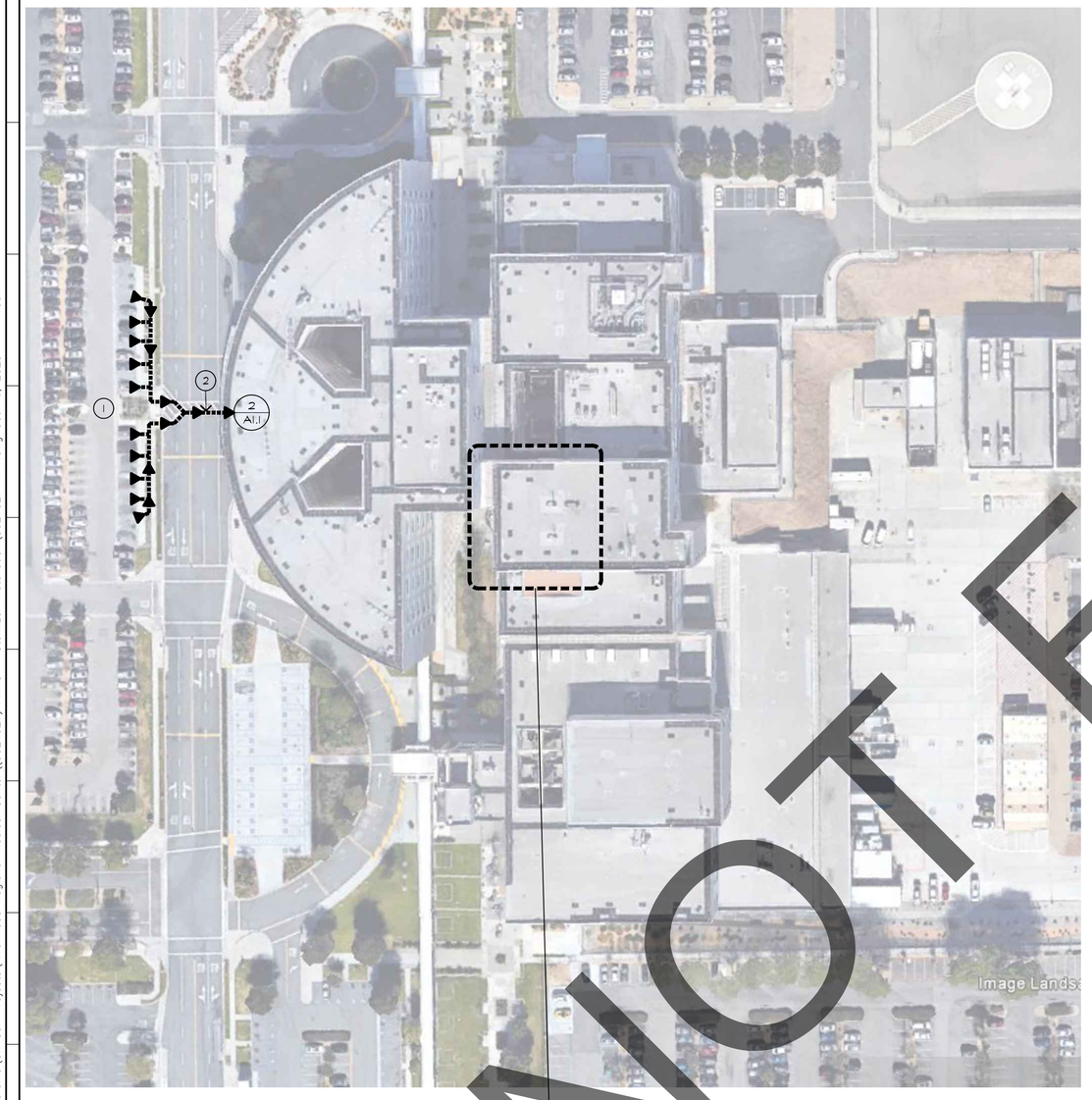
LICENSED ARCHITECT — DAVID WILLIAM CLARKE — C-21219 — STATE OF CALIFORNIA — 11-30-25 RENEWAL DATE

PROJECT NUMBER: 3021027

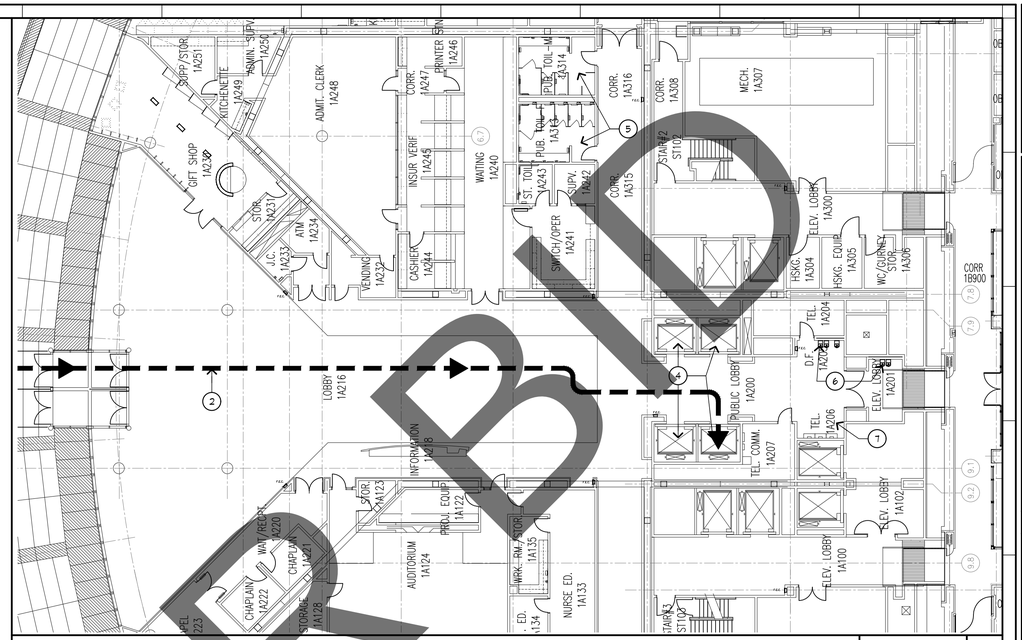
DRAWING NUMBER: T1.2

1. EXISTING ACCESSIBLE PARKING SPACES.
2. EXISTING ACCESSIBLE PATH OF TRAVEL TO ACCESSIBLE BUILDING ENTRANCE.
3. EXISTING ACCESSIBLE PRIMARY PATH OF TRAVEL.
4. EXISTING ACCESSIBLE ELEVATOR.
5. EXISTING ACCESSIBLE PUBLIC TOILET ROOM.
6. EXISTING ACCESSIBLE DRINKING FOUNTAIN
7. EXISTING ACCESSIBLE PUBLIC TELEPHONES
8. EXISTING ACCESSIBLE STAFF TOILET.

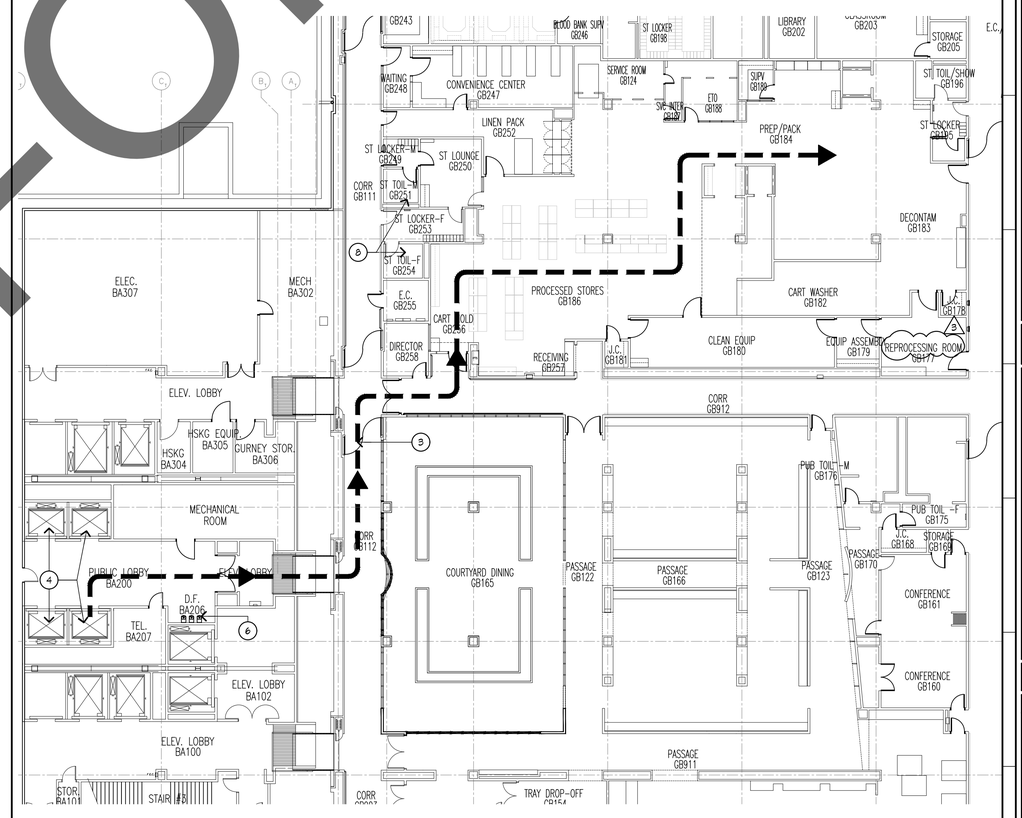
KEYNOTES



SITE PLAN - PATH OF TRAVEL | 1"=80'-0" | 1



PARTIAL FIRST LEVEL FLOOR PLAN - PATH OF TRAVEL | 1/16"=1'-0" | 2



PARTIAL GROUND LEVEL FLOOR PLAN - PATH OF TRAVEL | 1/16"=1'-0" | 3

PROJECT TITLE
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COLTON, CA. 92324
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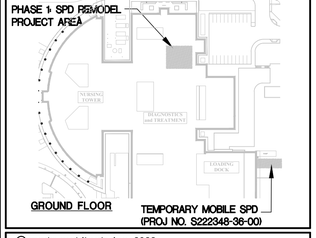
Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

REFERENCE PLAN



DRAWING TITLE
SITE PLAN - PATH OF TRAVEL

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

REVISIONS

1	PLAN CHECK COMMENTS - 02.13.2023
2	AMC0001 - 06.13.2023
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4	PLAN CHECK COMMENTS - 08.15.2023
5	
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LICENSED ARCHITECT
DAVID WILLIAM CLARKE
C-21219
STATE OF CALIFORNIA
11-30-25
RENEWAL DATE

PROJECT NUMBER
3021027

DRAWING NUMBER
A1.1

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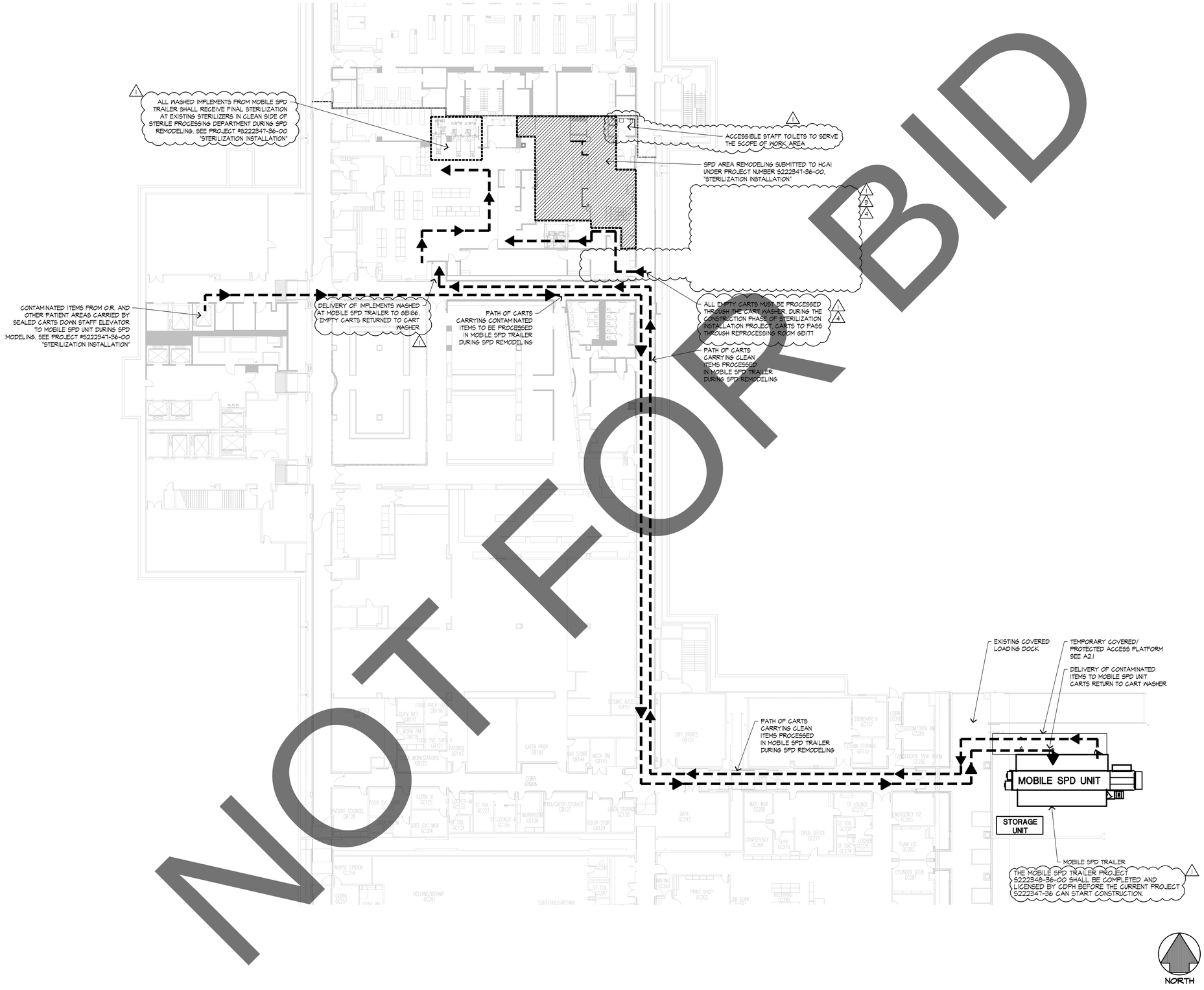

GROUND FLOOR PLAN - TEMPORARY SPD OPERATIONS PLAN DURING SPD REMODELING | 1" = 20'-0" | 1

PROJECT TITLE
STERILIZATION SYSTEM INSTALLATION
FOR THE
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE.
COLTON, CA. 92324
WBSE #10.10.1142 - CIP #21-154 - CAFM #COL003

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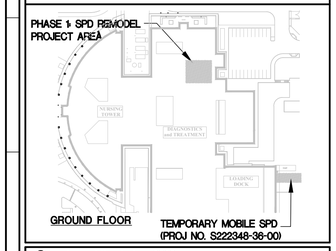
Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

REFERENCE PLAN



DRAWING TITLE
GROUND FLOOR - TEMPORARY SPD OPERATIONS PLAN

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

REVISIONS

1	PLAN CHECK COMMENTS - 02.13.2023
2	AMC0001 - 06.13.2023
3	PLAN CHECK COMMENTS - 06.27.2023
4	PLAN CHECK COMMENTS - 08.15.2023

STATE LICENSED ARCHITECT DAVID WILLIAM CLARKE C-21219 11-30-24 RENEWAL DATE STATE OF CALIFORNIA

PROJECT NUMBER
3021027

DRAWING NUMBER
A1.2

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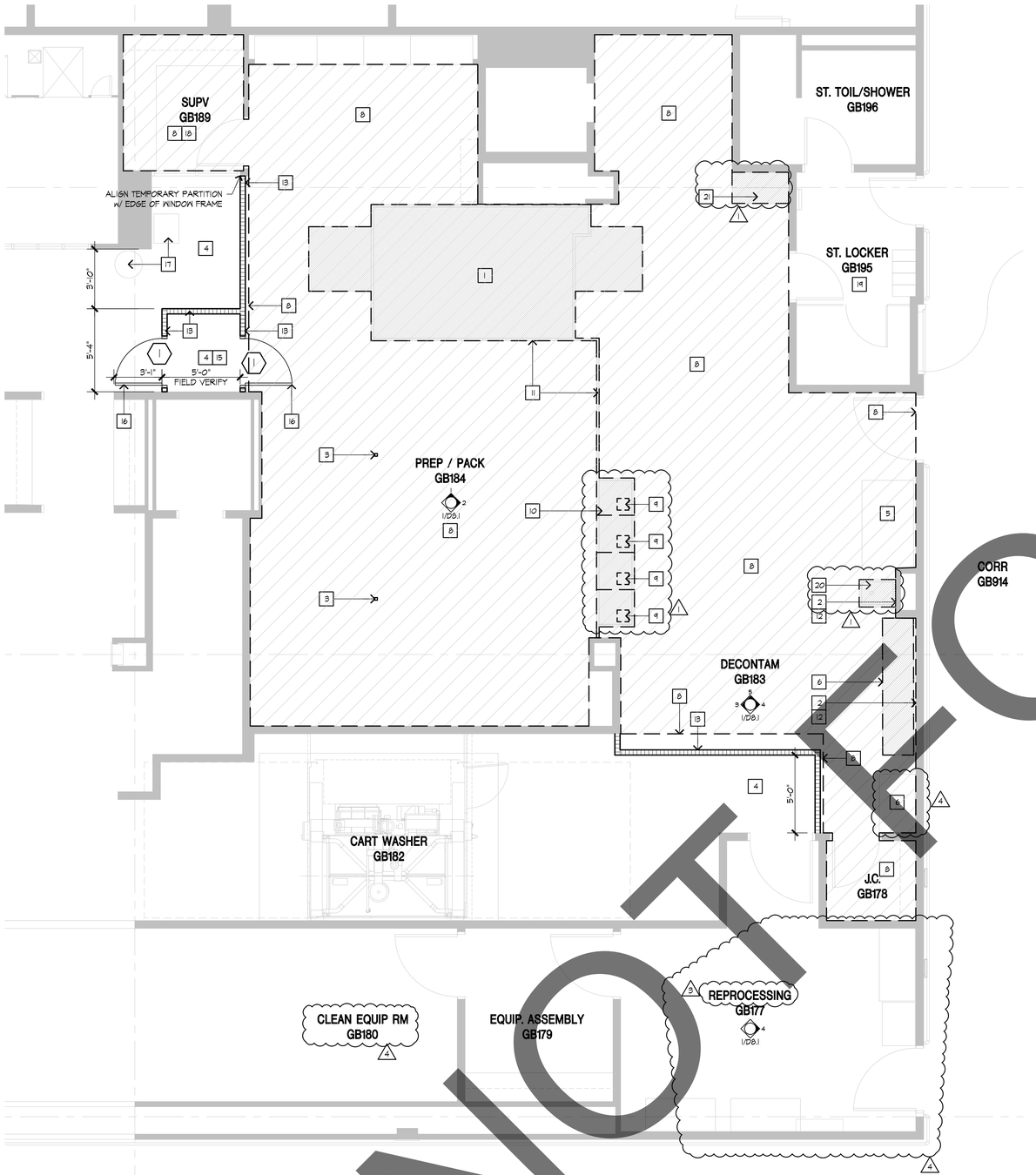

DEMOLITION FLOOR PLAN | 1/4"=1'-0" | 1

DEMOLITION KEYNOTES

1. EXISTING TUNNEL WASHER SHALL BE REMOVED.
2. EXISTING TILE ON WALL SHALL BE REMOVED. CONTRACTOR SHALL INSTALL NEW TYPE "X" DRYWALL, PATCH AND REPAIR ALL EXISTING HOLES LIFT FROM THE PLUMBING FIXTURES. CONTRACTOR SHALL PATCH AND REPAIR WALL AS REQUIRED AND PROVIDE ONE COAT PRIMER AND TWO COATS ZERO VOC PAINT, COLOR AND FINISH SURFACE SHALL MATCH EXISTING.
3. STAINLESS STEEL POWER AND DATA CHASE SHALL BE REMOVED. PATCH AND REPAIR EXISTING FLOORING TO MATCH EXISTING.
4. EXISTING FINISH FLOORING AND BASE SHALL REMAIN. PROTECT DURING CONSTRUCTION.
5. EXISTING SONIC IRRIGATION EQUIPMENT SHALL BE REMOVED AND REPLACED UNDER SEPARATE PROJECT AND APPROVAL S222316-34-00 SONIC IRRIGATION REPLACEMENT. THE AOR IS SUBMITTING BOTH THIS PROJECT AND THE SONIC IRRIGATION REPLACEMENT PROJECT TO HCAI FOR SEPARATE APPROVAL BUT CONCURRENT REVIEW. CONSTRUCTION SHALL ALSO BE EXECUTED CONCURRENTLY BY THE SAME CONTRACTOR. 4
6. EXISTING SONIC IRRIGATION EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
7. DELETED.
8. REMOVE EXISTING FLOORING AND BASE IN THIS AREA BOUNDED BY DASHED LINE. 1
9. EXISTING FLOOR SINKS SHALL BE REMOVED. SEE SHEET A2.1 FOR INFILL DIRECTION.
10. EXISTING STERILIZER EQUIPMENT SHALL BE REMOVED BY STERIS. CONTRACTOR SHALL DISCONNECT ALL UTILITIES AND REMOVE SEISMIC ANCHORING PRIOR TO STERIS REMOVAL OF EQUIPMENT. SEE MECHANICAL, PLUMBING, AND ELECTRICAL PLANS FOR DISCONNECTIONS OF UTILITIES.
11. EXISTING STAINLESS STEEL MODULAR WALL PANELS SHALL BE REMOVED AND NOT SALVAGED.
12. EXISTING ELECTRICAL SWITCHES, CONDUIT, ELECTRICAL OUTLETS, AND LIGHT SWITCHES SHALL BE REMOVED, REPLACED OR RELOCATED. SEE ELECTRICAL DRAWINGS FOR LOCATIONS.
13. PROVIDE AND INSTALL TEMPORARY BARRICADES MEETING ICRA LEVEL 4 CONTAINMENT STANDARDS. A PRE-MANUFACTURED MODULAR WALL SYSTEM (SUCH AS BY STARC SYSTEMS "REALWALL") IS ACCEPTABLE. WHERE NO FIRE RATING IS REQUIRED, THE USE OF FIRE RESISTANT PLASTIC SHEETING (SOFT BARRICADE) IS NOT ACCEPTABLE. SEE GENERAL NOTE 11. 1
14. DELETED.
15. TEMPORARY STERILE ANTI ROOM. ONLY TO BE USED WHEN ACCESS TO GB184 IS NO LONGER AVAILABLE FROM GB183 DUE TO EQUIPMENT INSTALLATION. COORDINATE WITH SPD SUPERVISOR FOR ACCESS PROCEDURES. 4
16. TEMPORARY DOOR. MIN WIDTH 3'-0". DOOR TO BE PART OF MODULAR WALL SYSTEM. SEE NOTE 13.
17. DELETED.
18. SUPERVISORS OFFICE GB189 SHALL NOT BE OCCUPIED DURING CONSTRUCTION. 4
19. STAFF LOCKER ROOM GB195 SHALL SERVE AS A STERILE ANTI-ROOM DURING CONSTRUCTION. CONTRACTOR AND SUBCONTRACTORS SHALL USE THIS AS THE PRIMARY ACCESS TO THE CONSTRUCTION AREA UNTIL HCAI ISSUES A TEMPORARY CERTIFICATE OF OCCUPANCY FOR GB183.
20. EXISTING SOILED UTILITY SINK TO BE REMOVED. SEE PLUMBING PLANS FOR INSTRUCTIONS FOR REMOVAL OR CAPPING OF PIPING BEHIND THE EXISTING WALL. SEE REMODEL PLAN A2.1 FOR PATCHING INSTRUCTIONS.
21. EXISTING CASEWORK BASE AND WALL CABINET TO BE REMOVED. 1

DEMOLITION KEYNOTES | 2

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WBSE #10.10.1142 - CIP #21-154 - CAFM #COL003

Department of Health Care Access and Information
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Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

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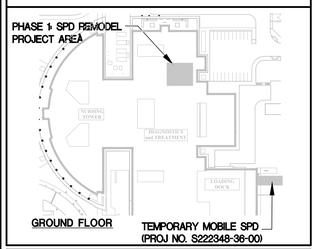

DRAWING TITLE
DEMOLITION FLOOR PLAN

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

REVISIONS

1	PLAN CHECK COMMENTS - 02.13.2023
2	AMC0001 - 06.13.2023
3	PLAN CHECK COMMENTS - 06.27.2023
4	PLAN CHECK COMMENTS - 08.15.2023

LICENSED ARCHITECT
DAVID WILLIAM CLARKE
C-21219
STATE OF CALIFORNIA
11-30-25
REGISTERED PROFESSIONAL

PROJECT NUMBER
3021027

DRAWING NUMBER
D2.1

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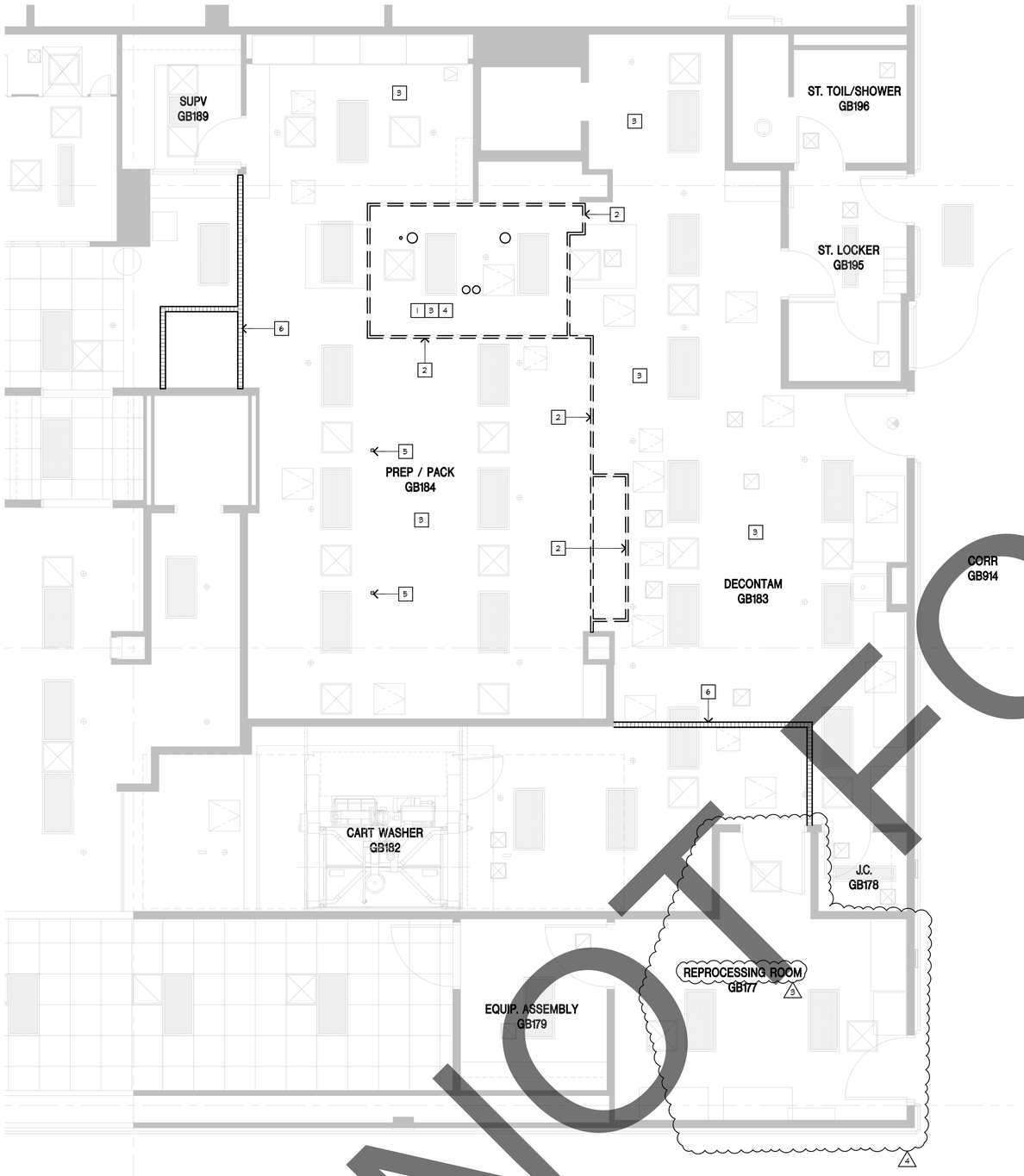

1 EXISTING CONDUIT, PIPING, AND HANGERS ASSOCIATED WITH THE TUNNEL WASHER SHALL BE CAPPED, OR REMOVED. SEE PLUMBING PLANS FOR DIRECTION.

2 EXISTING STAINLESS STEEL MODULAR WALL PANELS SHALL BE REMOVED AND NOT SALVAGED. PATCH AND REPAIR THE HARD LID CEILING AS NEEDED AT THE CURRENT LOCATION OF THE STEEL MODULAR WALL PANELS.

3 EXISTING HARD LID CEILING SHALL REMAIN PATCH AND REPAIR AS NEEDED.

4 EXISTING FIRE SPRINKLERS, ACCESS PANEL, AND AIR DIFFUSER SHALL REMAIN. SEE PLUMBING AND MECHANICAL DRAWINGS FOR DIRECTION.

5 EXISTING POWER/DATA CHASES SHALL BE REMOVED. PATCH AND REPAIR THE HARD LID CEILING AS NEEDED AT THE CHASE LOCATIONS.

6 TEMPORARY WALL DURING CONSTRUCTION. PROVIDE AND INSTALL TEMPORARY BARRICADES MEETING ICRA LEVEL 4 CONTAINMENT STANDARDS. A PRE-MANUFACTURED MODULAR WALL SYSTEM (SUCH AS BY STARC SYSTEMS "REALWALL") IS ACCEPTABLE. WHERE NO FIRE RATING IS REQUIRED, THE USE OF FIRE RESISTANT PLASTIC SHEETING (SOFT BARRICADE) IS NOT ACCEPTABLE. SEE GENERAL NOTE E ON SHEET T1.1.

DEMOLITION KEYNOTES

DEMOLITION REFLECTED CEILING PLAN | 1/4"=1'-0" | 1

PROJECT TITLE
STERILIZATION SYSTEM INSTALLATION
FOR THE
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE.
COLTON, CA. 92324
WBSE #10.10.1142 - CIP #21-154 - CAFM #COL003

Department of Health Care Access and Information
HCAI # S222347-36-00

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APPROVED
Department of Health Care Access & Information
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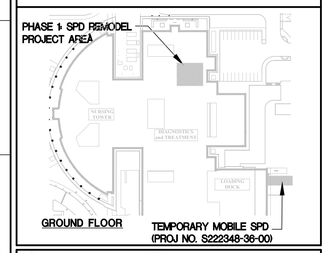
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

REFERENCE PLAN



DRAWING TITLE
DEMOLITION REFLECTED CEILING PLAN

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

REVISIONS

1	PLAN CHECK COMMENTS - 02.13.2023
2	AMC0001 - 06.13.2023
3	PLAN CHECK COMMENTS - 06.27.2023
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LICENSED ARCHITECT
DAVID WILLIAM CLARKE
C-21219
11-30-25
RENEWAL DATE
CALIFORNIA

PROJECT NUMBER
3021027

DRAWING NUMBER
D5.1

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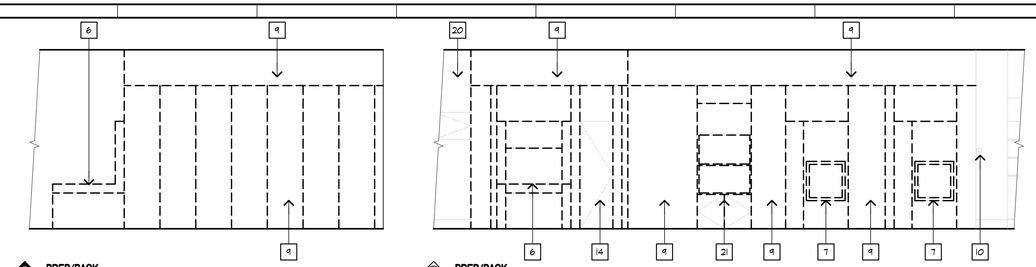
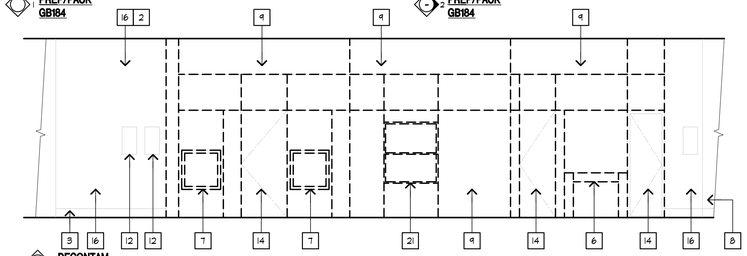
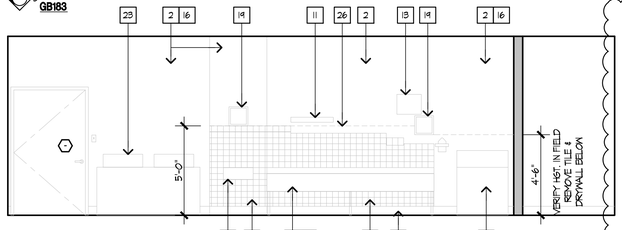


1 PREP/PACK GB184

2 PREP/PACK GB184

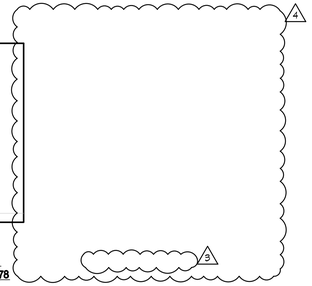


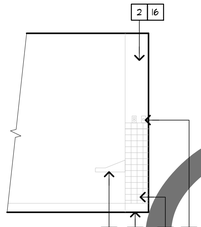
3 DECONTAM GB183



4 DECONTAM GB183

JC. GB178

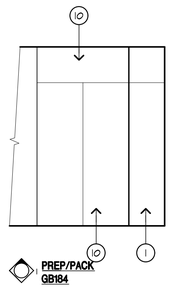




5 DECONTAM GB183

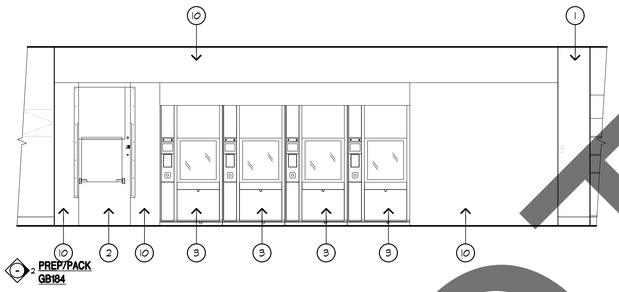
DEMOLITION INTERIOR ELEVATIONS

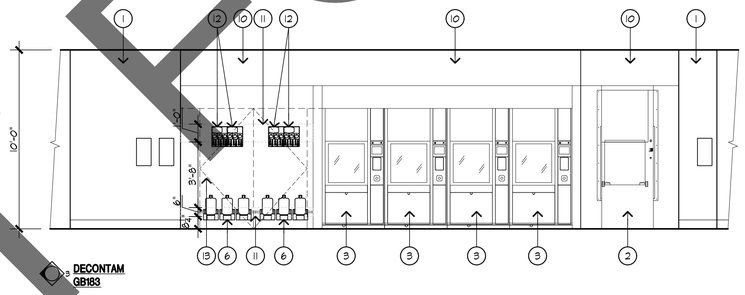
1/4"=1'-0" | 1



1 PREP/PACK GB184

2 PREP/PACK GB184





3 DECONTAM GB183

4 DECONTAM GB183

JC. GB178

5 DECONTAM GB183

6 DECONTAM GB183

REMODEL INTERIOR ELEVATIONS

1/4"=1'-0" | 2

DEMOLITION KEYNOTES

1. EXISTING DOOR, FRAME AND HARDWARE SHALL REMAIN. PROTECT DURING CONSTRUCTION.
2. EXISTING DRYWALL SHALL REMAIN. PREPARE SURFACE BY REMOVING ANY EXISTING CHIPPED OR PEELING PAINT, SAND SURFACES SMOOTH, AND RE-TEXTURE SURFACES TO MATCH EXISTING, PRIOR TO PAINTING.
3. EXISTING WALL BASE SHALL REMAIN. PROTECT DURING CONSTRUCTION.
4. EXISTING CORNER GUARD SHALL REMAIN. PROTECT DURING CONSTRUCTION.
5. EXISTING EQUIPMENT SHALL REMAIN. PROTECT DURING CONSTRUCTION.
6. EXISTING EQUIPMENT SHALL BE REMOVED.
7. EXISTING FLOOR LOADER STERILIZER TO BE REMOVED.
8. EXISTING STAINLESS-STEEL MODULAR PANEL SYSTEM SHALL REMAIN. PROTECT DURING CONSTRUCTION.
9. EXISTING STAINLESS-STEEL MODULAR PANEL TO BE REMOVED.
10. EXISTING ELECTRICAL SWITCHES, AND OUTLETS SHALL REMAIN. VERIFY WITH ELECTRICAL DRAWINGS. PROTECT DURING CONSTRUCTION.
11. EXISTING WALL MOUNTED SHELF SHALL BE REMOVED.
12. EXISTING ELECTRICAL PANEL FOR EMERGENCY SHUT-OFF SWITCH SHALL REMAIN. PROTECT DURING CONSTRUCTION.
13. EXISTING SIGNAGE SHALL BE RELOCATED, VERIFY NEW LOCATION WITH HOSPITAL REPRESENTATIVE. PROTECT DURING CONSTRUCTION.
14. EXISTING S.S. DOOR AND FRAME SHALL BE REMOVED.
15. EXISTING DRYWALL SHALL BE REMOVED.
16. PATCH AND REPAIR AS NEEDED DRYWALL SHALL BE SANDED SMOOTH, FINISHED WITH A LIGHT STIPPLE FINISH, PREPPED FOR PAINTING AND PAINTED WITH ONE COAT PRIMER AND TWO COATS EGGSHELL. VERIFY COLOR WITH HOSPITAL REP. SEE STRUCTURAL FOR FRAMING.
17. EXISTING WALL BASE SHALL BE REMOVED.
18. ALL PLUMBING EQUIPMENT ON THE WALL SHALL BE REMOVED.
19. EXISTING ACCESS DOOR SHALL REMAIN. PROTECT DURING CONSTRUCTION.
20. EXISTING CABINETS SHALL REMAIN. PROTECT DURING CONSTRUCTION.
21. EXISTING PASS-THRU WINDOW SHALL BE REMOVED.
22. EXISTING TILE SHALL BE REMOVED.
23. EXISTING SONIC IRRIGATORS SHALL BE REMOVED UNDER A SEPARATE PROJECT, PROJECT NUMBER AND SEPARATE APPROVAL. PROJECT NUMBER FOR THE SONIC IRRIGATORS SHALL BE HCAI #S-36-00. PROJECTS SHALL SUBMITTED SEPARATELY, BUT CONSTRUCTION SHALL BE EXECUTED SIMULTANEOUSLY.
24. EXISTING SINKS SHALL BE REMOVED. SEE PLUMBING DRAWINGS FOR DIRECTION.
25. DELETED.
26. EXISTING DRYWALL SHALL BE REMOVED. DRYWALL SHALL BE REMOVED BELOW THE DASHED LINE AS INDICATED ON INT. ELEVATION. PREPARE SURFACE BY REMOVING ANY EXISTING CHIPPED OR PEELING PAINT, SAND SURFACES SMOOTH, AND RE-TEXTURE SURFACES TO MATCH EXISTING, PRIOR TO PAINTING.

REMODEL KEYNOTES

1. EXISTING WALL SHALL REMAIN. CONTRACTOR SHALL PROTECT DURING CONSTRUCTION. CONTRACTOR SHALL PATCH AND REPAIR WALL AS REQUIRED AND PROVIDE ONE COAT PRIMER AND TWO COATS ZERO VOC PAINT, COLOR AND FINISH SURFACE SHALL MATCH EXISTING.
2. NEW EQUIPMENT - RACK RETURN. VERIFY EQUIPMENT CLEARANCE AND INSTALLATION WITH STERIS REPRESENTATIVE.
3. NEW EQUIPMENT - SINGLE CHAMBER WASHER/DISINFECTOR. VERIFY EQUIPMENT CLEARANCE AND INSTALLATION WITH STERIS REPRESENTATIVE.
4. PATCH AND REPAIR WALL. CONTRACTOR SHALL INSTALL NEW TYPE 'X' GYPSUM BOARD, PATCH AND REPAIR ALL EXISTING HOLES LEFT FROM PLUMBING FIXTURE REMOVAL. CONTRACTOR SHALL PATCH AND REPAIR WALL AS REQUIRED TO MATCH EXISTING TO REMAIN SURFACES. REPAINT ALL AFFECTED WALLS WITH ONE COAT PRIMER AND TWO COATS ZERO VOC PAINT, COLOR AND FINISH SURFACE SHALL MATCH EXISTING.
5. NEW TRIPLE SINK. SEE PLUMBING AND STRUCTURAL PLANS.
6. ACU-HOLD SYSTEM WITH 3 CHEMICAL CONTAINERS. PROVIDED AND INSTALLED BY STERIS. BACKING BY CONTRACTOR. VERIFY WITH STERIS REPRESENTATIVE FOR EXACT LOCATION.
7. NEW 6"X 18 GA. METAL STUD WALL AT 16" O.C. WITH ONE LAYER OF 5/8" GREEN BOARD ON BOTH SIDES, WITH 18 GA. S.S. SHEET METAL PANELS OVER THE GREEN BOARD ON BOTH SIDES. PONY WALL HEIGHT SHALL BE 60".
8. NEW 18 GA. 430 S.S. COUNTERTOP. IT SHALL BE AN EXTENSION FROM THE SINK. CONTRACTOR SHALL FIELD VERIFY EXACT DIMENSION BEFORE FABRICATING THE COUNTERTOP.
9. DELETED.
10. NEW STAINLESS STEEL MODULAR WALL PANELS:
    NEW 3 5/8" METAL STUDS WITH 3" BATT INSULATION WITH 18 GA. S.S. SHEET METAL PANELS ON BOTH SIDES. S.S.. SHEET METAL WALL/SOME WALLS ONLY HAVE S.S. SHEET METAL ON ONE SIDE. MANUFACTURER SHALL PROVIDE SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
11. PROVIDE 16GA STL BACKING IN THIS LOCATION
12. DOSING SYSTEM WITH 3 PUMPS. PROVIDED AND INSTALLED BY STERIS. BACKING BY CONTRACTOR. VERIFY WITH STERIS REPRESENTATIVE FOR EXACT LOCATION.
13. DOUBLE 3'-0" X 6'-8-3/4" 18 GA SS ACCESS DOORS BY SS PANEL SUBCONTRACTOR. PROVIDE SS HINGES AND LATCHING MECHANISM. VERIFY WITH STERIS REPRESENTATIVE HARDWARE REQUIREMENTS.
14. RESERVED.
15. NEW HAND SINK WITH EYE WASH, SOAP DISPENSER AND TOWEL DISPENSER. SEE PLUMBING REQUIREMENTS.

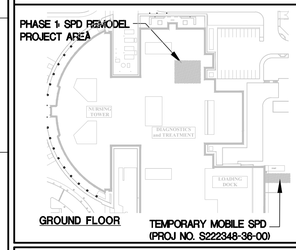
PROJECT TITLE
STERILIZATION SYSTEM INSTALLATION
FOR THE
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE.
COLTON, CA. 92324
WBSE #10.10.1142 - CIP #21-154 - CAFM #COL003

Department of Health Care Access and Information

HCAI # S222347-36-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access & Information
Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

REFERENCE PLAN



DRAWING TITLE
DEMOLITION & REMODEL INTERIOR ELEVATIONS

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

REVISIONS

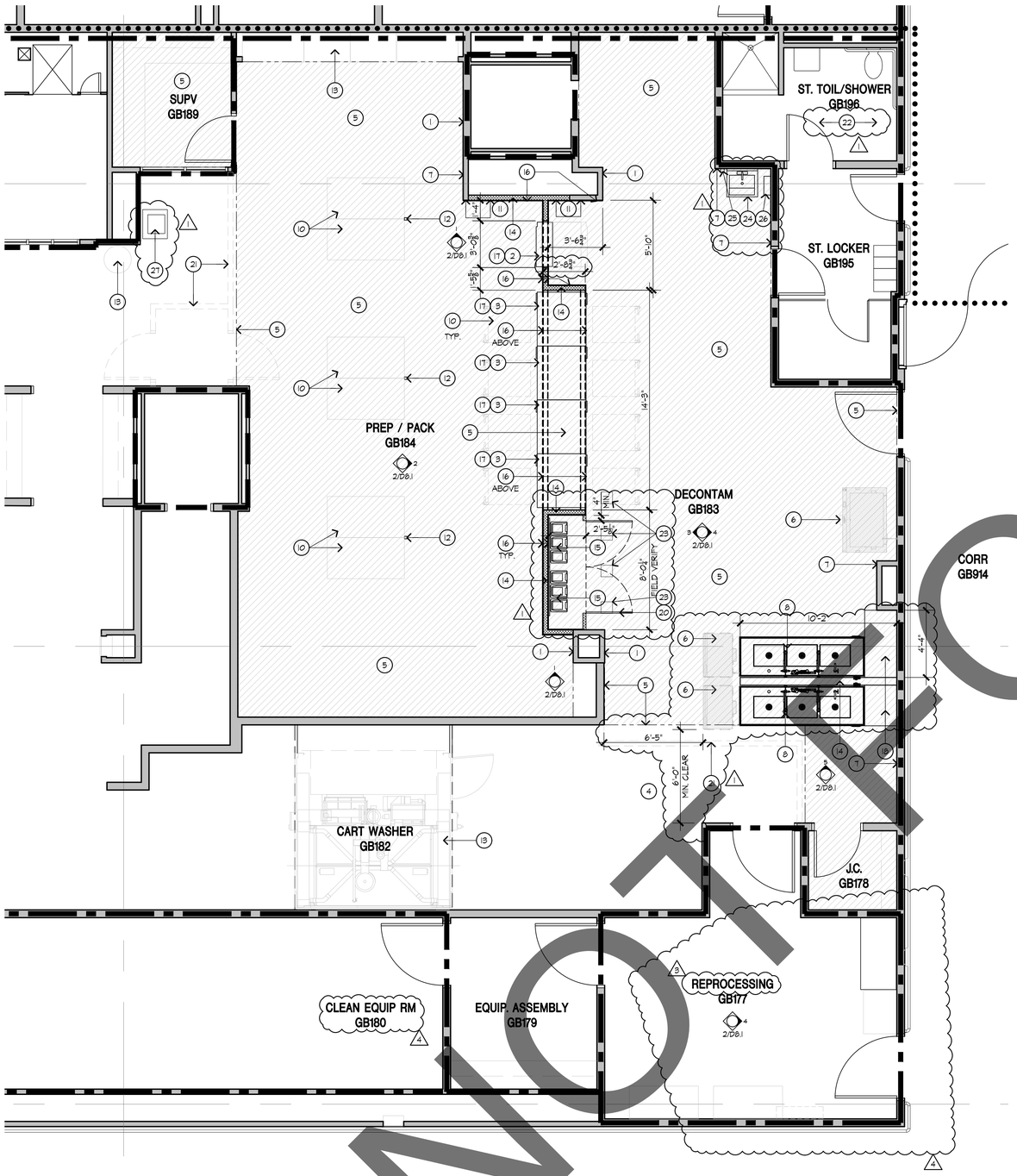
1	PLAN CHECK COMMENTS - 02.13.2023
2	AMC0001 - 06.13.2023
3	PLAN CHECK COMMENTS - 06.27.2023
4	PLAN CHECK COMMENTS - 08.15.2023

DAVID WILLIAM CLARKE C-21219 LICENSED ARCHITECT 10.30.25 RENEWAL DATE STATE OF CALIFORNIA

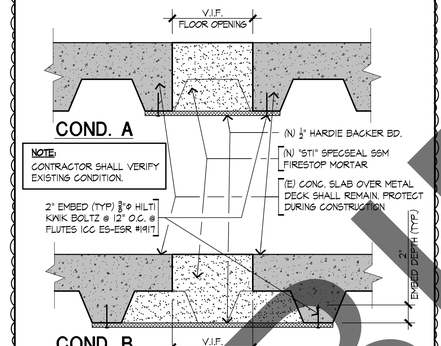
PROJECT NUMBER
3021027

DRAWING NUMBER
D8.1

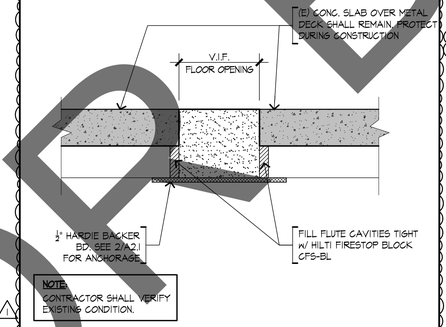
S:\Active Projects\County of San Bernardino\On Call Projects\Arrowhead Regional Medical Center\(3021027) ARMC - Sterilizer Installation\3021027 D8.1.dwg Oct 16, 2023 - 11:22am



REMODEL FLOOR PLAN — 1/4"=1'-0" — 1



FLOOR SINK REMOVAL FIRESTOP DETAIL — 1-1/2"=1'-0" — 2



FLOOR SINK REMOVAL FIRESTOP DETAIL — 1-1/2"=1'-0" — 3

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1. EXISTING WALL SHALL REMAIN. CONTRACTOR SHALL PROTECT DURING CONSTRUCTION. CONTRACTOR SHALL PATCH AND REPAIR WALL AS REQUIRED AND PROVIDE ONE COAT PRIMER AND TWO COATS ZERO VOC PAINT, COLOR AND FINISH SURFACE SHALL MATCH EXISTING.
2. NEW EQUIPMENT - RACK RETURN. VERIFY EQUIPMENT CLEARANCE AND INSTALLATION WITH STERIS REPRESENTATIVE.
3. NEW EQUIPMENT - SINGLE CHAMBER WASHER/DISINFECTOR. VERIFY EQUIPMENT CLEARANCE AND INSTALLATION WITH STERIS REPRESENTATIVE.
4. EXISTING FINISH FLOORING AND BASE SHALL REMAIN EXCEPT WHERE INDICATED IN NOTE 5. PROTECT FLOORING AND BASE TO REMAIN DURING CONSTRUCTION. BEFORE INSTALLING THE NEW EQUIPMENT, CONTRACTOR SHALL VERIFY THE AREAS THAT NEED PATCHING AND REPAIRING TO THE FLOORING AND BASE.
5. REPLACE FLOORING IN THIS AREA. MATCH EXISTING SHEET VINYL FLOORING WITH INTEGRAL COVE BASE. BEFORE INSTALLING THE NEW EQUIPMENT, CONTRACTOR SHALL IDENTIFY ANY OTHER AREAS THAT NEED PATCHING AND REPAIRING AND REPORT THE CONDITION TO THE ARCHITECT AND OWNER PRIOR TO PROCEEDING WITH FLOORING REPAIR.
6. SONIC IRRIGATION EQUIPMENT SHALL BE INSTALLED UNDER SEPARATE PROJECT AND APPROVAL. S222316-36-00, SONIC IRRIGATION REPLACEMENT, THE AOR IS SUBMITTING BOTH THIS PROJECT AND THE SONIC IRRIGATION REPLACEMENT PROJECT TO HCAI FOR SEPARATE APPROVAL BUT CONCURRENT REVIEW. CONSTRUCTION SHALL ALSO BE EXECUTED CONCURRENTLY BY THE SAME CONTRACTOR.
7. PATCH AND REPAIR WALL. CONTRACTOR SHALL PATCH AND REPAIR WALL AS REQUIRED WITH ⅝" TYPE X GYPSUM BOARD TO MATCH EXISTING TO REMAINING SURFACES. FLOAT AND REPAINT ALL AFFECTED WALLS WITH ONE COAT PRIMER AND TWO COATS ZERO VOC PAINT, COLOR AND FINISH SURFACE SHALL MATCH EXISTING.
8. NEW TRIPLE SINK. SEE PLUMBING AND STRUCTURAL PLANS.
9. DELETED.
10. NEW ROLLING EQUIPMENT TO BE PROVIDED BY OWNER. NOT IN SCOPE OR WORK.
11. ALIGN FRAMING OF NEW WALL TO MATCH EXISTING WALL FOR FLUSH FINISHED WALL SURFACES.
12. STAINLESS STEEL POWER AND DATA CHASE. SEE SHEET E3.1.
13. EXISTING EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
14. NEW 6"X 18 GA. METAL STUD WALL AT 16" O.C. WITH ONE LAYER OF ⅝" GREEN BOARD ON BOTH SIDES, WITH 18 GA. S.S. SHEET METAL PANELS OVER THE GREEN BOARD. PONY WALL HEIGHT SHALL BE 60"
15. DETERGENT DELIVERY SYSTEM. VERIFY WITH STERIS REPRESENTATIVE FOR EXACT LOCATION AND INSTALLATION.
16. NEW STAINLESS STEEL MODULAR WALL PANELS:
    NEW 18 GA. 3⅝" METAL STUDS WITH 3" BATT INSULATION WITH 18 GA. S.S. SHEET METAL PANELS ON BOTH SIDES. S.S. SHEET METAL WALL (SOME WALL ONLY HAVE S.S. SHEET METAL ON ONE SIDE. MANUFACTURER SHALL PROVIDE SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
17. STERIS SHALL INCLUDE THE FOLLOWING WITHIN THEIR SCOPE OF WORK:
    a. DELIVERY AND INSTALLATION OF THE STERIS EVOLUTION STERILIZER EQUIPMENT. EQUIPMENT ARRIVES ASSEMBLED.
    b. INSTALLATION OF SEISMIC CONNECTIONS SHOWN ON PLANS WHICH ARE EXPANSION ANCHORS.
    c. FINAL CONNECTION OF UTILITIES UP TO TWO (2) FEET FROM THE FINAL POINT OF CONNECTION. COORDINATE CONNECTIONS WITH CONTRACTOR.
    d. EXCLUDES FINAL CONNECTION OF ELECTRICAL AND VENT UTILITIES. THAT TASK IS TO BE PERFORMED BY THE CONTRACTOR.
18. NEW 18 GA. 430 S.S. COUNTERTOP. IT SHALL BE AN EXTENSION FROM THE SINK. CONTRACTOR SHALL FIELD VERIFY EXACT DIMENSION BEFORE FABRICATING THE COUNTERTOP.
19. DELETED
20. DOUBLE 3'-0" X 6'-8-3/4" 18 GA SS ACCESS DOORS BY SS PANEL SUBCONTRACTOR. PROVIDE SS HINGES AND LATCHING MECHANISM. LATCH MUST BE ABLE TO KEEP ACCESS DOORS COMPLETELY CLOSED.
21. TEMPORARY WALLS MAY BE REMOVED AFTER HCAI ISSUES TEMPORARY CERTIFICATE OF OCCUPANCY. COORDINATE WITH SPD SUPERVISOR BEFORE REMOVING TEMPORARY WALLS.
22. EXISTING ACCESSIBLE STAFF TOILETS TO SERVE THE SCOPE OF WORK AREA.
23. INFILL EXISTING FLOOR OPENINGS WHERE FLOOR SINKS WERE REMOVED PER DETAILS 2 & 3/A2.1.
24. NEW HAND WASH SINK.
25. NEW SOAP DISPENSER.
26. NEW TOWEL DISPENSER.
27. EXISTING HAND WASH SINK.

REMODEL KEYNOTES

- EXISTING WALL TO REMAIN. SEE LIFE SAFETY PLAN FOR WALL TYPES.
- NEW WALL. SEE LIFE SAFETY PLAN FOR WALL TYPES.
- EXISTING ONE-HOUR PARTITION OCCUPANCY SEPARATION WALL
- EXISTING TWO-HOUR RATED PARTITION AND/OR SHAFTWALLS
- EXISTING ONE-HOUR RATED SMOKE BARRIER WALL

WALL LEGEND

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COLTON, CA. 92324
WBSE #10.10.1142 - CIP #21-154 - CAFM #COL003

Department of Health Care Access and Information
HCAI # S222347-36-00

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APPROVED
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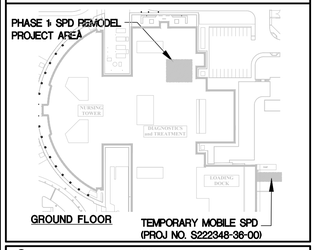
Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

REFERENCE PLAN



DRAWING TITLE
REMODEL FLOOR PLAN

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

REVISIONS

1	PLAN CHECK COMMENTS - 02.13.2023
2	AMC0001 - 06.13.2023
3	PLAN CHECK COMMENTS - 06.27.2023
4	PLAN CHECK COMMENTS - 08.15.2023
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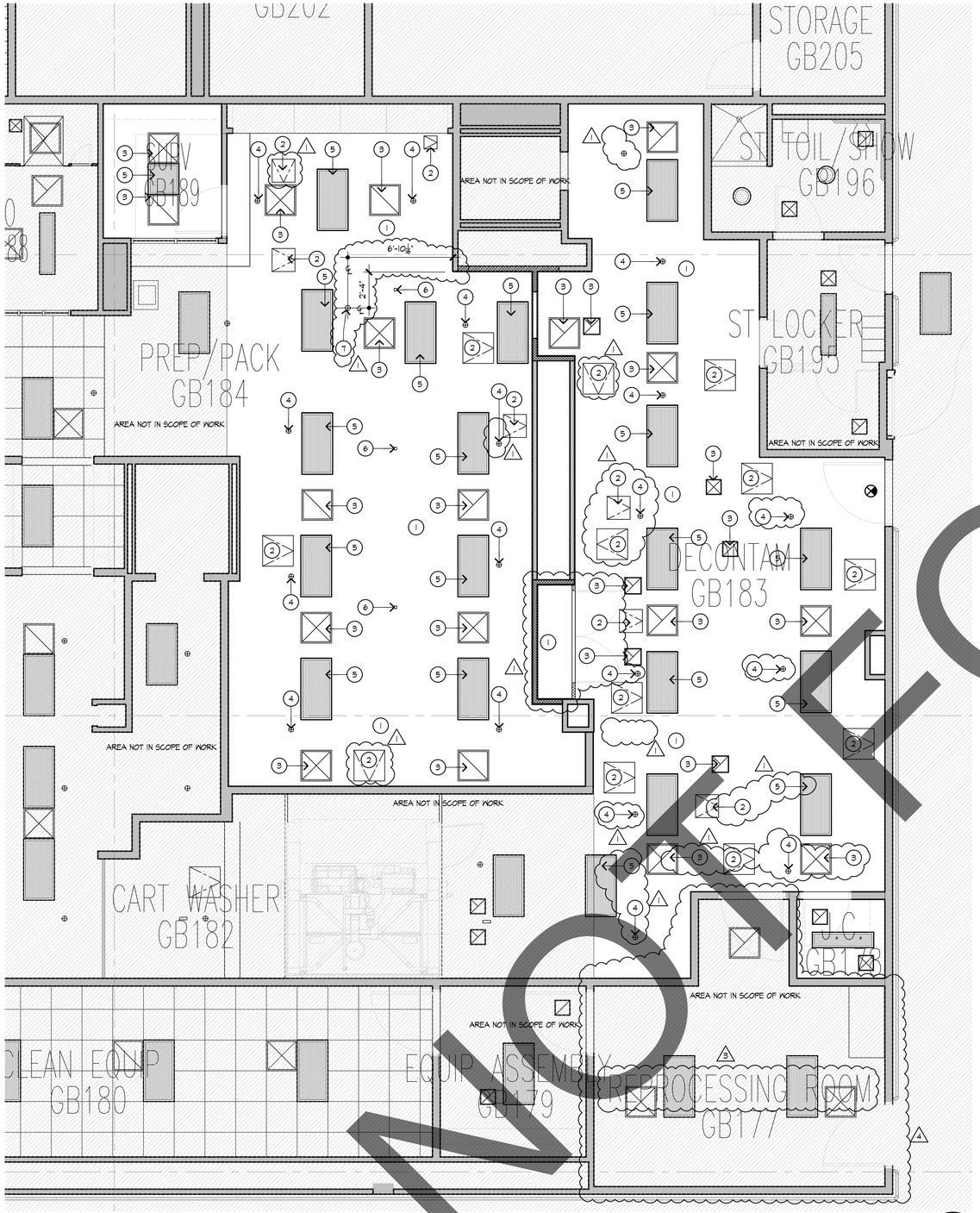
LICENSED ARCHITECT — DAVID WILLIAM CLARKE — C-21219 — STATE OF CALIFORNIA — 1-30-25 — RENEWAL DATE

PROJECT NUMBER
3021027

DRAWING NUMBER
A2.1

S:\Active Projects\County of San Bernardino\On Call Projects\Arrowhead Regional Medical Center\3021027 ARMC – Sterilizer Installation\3021027 A2.1.dwg Nov 01, 2023 – 8:27am



1. EXISTING GYP. BD. CEILING SHALL REMAIN. PATCH & REPAIR AS NECESSARY. PAINT WITH ONE COAT PRIMER AND TWO COATS FINISH PAINT TO MATCH EXISTING PAINT.
2. EXISTING ACCESS PANEL SHALL REMAIN. PAINT WITH ONE COAT PRIMER AND TWO COATS FINISH PAINT TO MATCH EXISTING CEILING PAINT. PROTECT DURING CONSTRUCTION.
3. EXISTING HVAC AIR DIFFUSER AND RETURNS SHALL REMAIN. PAINT WITH ONE COAT PRIMER AND TWO COATS FINISH PAINT TO MATCH EXISTING CEILING PAINT. PROTECT DURING CONSTRUCTION.
4. EXISTING FIRE SPRINKLERS SHALL REMAIN. PROTECT DURING CONSTRUCTION.
5. EXISTING LIGHT FIXTURES SHALL REMAIN. PROTECT DURING CONSTRUCTION. SEE ELECTRICAL PLANS.
6. NEW POWER AND DATA CHASE. SEE ELECTRICAL. PATCH, REPAIR AND PAINT HARD LID CEILING TO MATCH EXISTING ADJACENT CEILING SURFACE.
7. NEW FIRE SPRINKLER HEAD TO MATCH EXISTING.

REMODEL KEYNOTES

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REMODEL REFLECTED CEILING PLAN

1/4"=1'-0" | 1

PROJECT TITLE
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COLTON, CA. 92324
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LEGEND

- INDICATES ROUND RECESSED WALL WASHER.
- INDICATES ROUND RECESSED LIGHT FIXTURE.
- SD. INDICATES CEILING, SURFACE MOUNTED SMOKE DETECTOR.
- SP. INDICATES CEILING MOUNTED SPEAKER.
- INDICATES CEILING MOUNTED FIRE SPRINKLER.
- INDICATES RECESSED 2' X 4' FLUORESCENT LIGHT FIXTURE.
- INDICATES AREA WHERE CABINETS ARE INSTALLED AGAINST SOFFIT.
- INDICATES CEILING SUPPLY AIR REGISTER.
- INDICATES CEILING RETURN AIR REGISTER.
- INDICATES CEILING EXHAUST REGISTER.
- +8'-0" INDICATES HEIGHT OF CEILING ABOVE FINISH SLAB LEVEL, DIRECTLY BELOW CEILING.
- INDICATES LOCATION OF POWER/DATA CHASE.

Department of Health Care Access and Information
HCAI # S222347-36-00

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Allen Cheng

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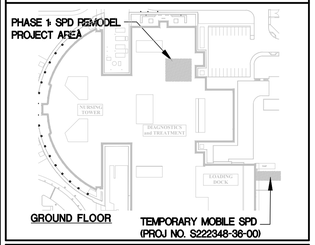

DRAWING TITLE
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marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
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LICENSED ARCHITECT DAVID WILLIAM CLARKE C-21219 11-30-23 RENEWAL DATE

PROJECT NUMBER
3021027

DRAWING NUMBER
A5.1

TYPICAL ABBREVIATIONS

(E)	EXISTING
(N)	NEW
℄	PLATE
ϕ	DIAMETER
A.B.	ANCHOR BOLT
A/C	AIR CONDITIONAL
ARCH.	ARCHITECT/ARCHITECTURAL
BLK	BLOCK
BLKG	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
B.O.B.	BOTTOM OF BEAM
BOT.	BOTTOM
B.S.	BOUNDARY SCREW
CANT.	CANTILEVER
C.F.	CONTINUOUS FOOTING
C.I.P.	CAST IN PLACE CONCRETE
C.J.	CEILING JOIST/CONTROL JOINT
CLG	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUOUS
DIA.	DIAMETER
DIAG.	DIAGONAL
DET.	DETAIL
DP.	DEEP
DWG.	DRAWING
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
E.N.	EDGE NAILING
EQ.	EQUAL
E.W.	EACH WAYS
EXT.	EXTERIOR
EWWF	EXPANDED WELDED WIRE FABRIC
FDN.	FOUNDATION
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FLR.	FLOOR
F.N.	FIELD NAILING
F.O.B.	FACE OF BLOCK
F.O.C.	FACE OF CONCRETE
F.O.W.	FACE OF WALL
F.P.	FULL PENETRATION
F.S.	FIELD SCREW
FTG.	FOOTING
GA.	GAUGE
GALV.	GALVANIZED
GLB	GLUE LAMINATED BEAM
HORIZ.	HORIZONTAL
HSS	HOLLOW/TUBULAR STEEL
INT.	INTERIOR
K.P.	KING POST
LG.	LONG
LONG.	LONGITUDINAL
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH	MECHANICAL
MIN.	MINIMUM
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.H.	OPPOSITE HAND
PF.	PAD FOOTING
PLYND	PLYWOOD
REINF.	REINFORCING
REQ'D	REQUIRED
R.R.	ROOF RAFTER
SCHED	SCHEDULE
SECT.	SECTION
SIMP.	SIMPSON
S.M.S.	SHEET METAL SCREW
SQ.	SQUARE
STD.	STANDARD
STIFF	STIFFENER PLATE
STL.	STEEL
STRUT	STRUCTURALS
S.T.S.	SELF TAPPING SCREW
THK.	THICK
THRD	THREADED
T.O.B.	TOP OF BEAM
T.O.C.	TOP OF CONCRETE
T.O.M.	TOP OF MASONRY
T.O.P.	TOP OF PARAPET
T.O.S.	TOP OF SHEETING
T.O.STL.	TOP OF STEEL
T.O.W.	TOP OF WALL
TRANS	TRANSVERSE
T.PLY	TOP OF PLYWOOD
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
W/	WITH
℄	PLATE
ϕ	DIAMETER

STRUCTURAL SYMBOLS / LEGEND

- DETAIL OR SECTION NUMBER / SHEET WHERE DRAWN
- DIRECTION OF STRUT
- ELEVATION FROM DATUM
- BEAM REFERANCE NUMBER
- POST, HOLDOWN @ FDN. OR STRAP FLOOR TO FLOOR SYMBOL
- PAD FOOTING OR CONTINUOUS FOOTING SYMBOL
- TRUSS OR WALL ELEVATION NUMBER / SHEET WHERE DRAWN

LATERAL FORCE DESIGN

1. ALL WORK SHALL BE DONE IN CONFORMANCE WITH CALIFORNIA BUILDING CODE 2019 C.B.C.
2. SEISMIC DESIGN CRITERIA: 2019 C.B.C. WITH SEISMIC COEFFICIENTS PER SECTION 1613 SEISMIC PROVISIONS:
   LATITUDE= 34.07153° N
   LONGITUDE= 117.3513° W
   SITE CLASS= D
   MAPPED SPECTRAL ACCELERATION, Ss= 2.061 g
   MAPPED SPECTRAL ACCELERATION, S1= 0.818 g
   SITE COEFFICIENT, Fa= 1.0
   SITE COEFFICIENT, Fv= 1.5
   MAX. SPECTRAL ACCELERATION, Sms= 2.473 g
   DESIGN SPECTRAL ACCELERATION, Sds= 1.649 g
   SEISMIC DESIGN CATERGORY = F
   RISK CATERGORY = IV
   Ip = 1.5

GENERAL

1. THE STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. CONTRACTOR WILL BE REQUIRED TO CORRECT AT HIS OWN EXPENSE ANY SUBSIDENCE, STRUCTURAL DAMAGE OR OTHER OBJECTIONABLE CONIDTIONS CAUSED BY HIS OPERATIONS.
2. ANY CHANGE, MODIFICATION OR ALTERATION OF THESE PLANS SHALL BE AT THE SOLE RISK OF THE PERSON MAKING OR CAUSING THE SAME. ALL CHANGE, MODIFICATION, AND/OR ALTERATION TO THE APPROVED CONSTRUCTION DOCUMENT SHALL BE REVIEWED AND APPROVED BY A LICENSED STRUCTURAL ENGINEER, ARCHITECT OF RECORD AND BY BUILDING & SAFETY PRIOR TO FABRICATION AND INSTALLATION.
3. THE OWNER AGREES TO HOLD HARMLESS, INDEMNIFY, AND DEFEND THE ARCHITECT, HIS EMPLOYEES, AND ENGINEERS AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND COST OF DEFENSE ARISING OUT OF THE ERRORS OR OMISSIONS, OR NEGLIGENT ACTS CAUSED BY THE MODIFICATIONS TO THE PLANS AND SPECIFICATIONS.
4. ALL WORK SHALL CONFORM TO THE 2019 CALIFORNIA BUILDING CODE STANDARDS, AND THE REGULATIONS OF THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES.
5. THESE NOTES AND SPECIFICATIONS ON STRUCTURAL DRAWINGS GOVERN IN CASE OF CONFLICT WITH OTHER SPECIFIGATIONS. NOTIFY ENGINEER OF CONFLICTS WITH OTHER SPECIFIGATIONS IMMEDIATELY.
6. NOTES AND DETAILS ON STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES, SPECIFICATIONS AND DETAILS CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.
7. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER/ARCH. IMMEDIATELY.
8. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS. TYPICAL DETAILS AND GENERAL NOTES ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE.
9. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.

LIGHT GAUGE METAL FRAMING:

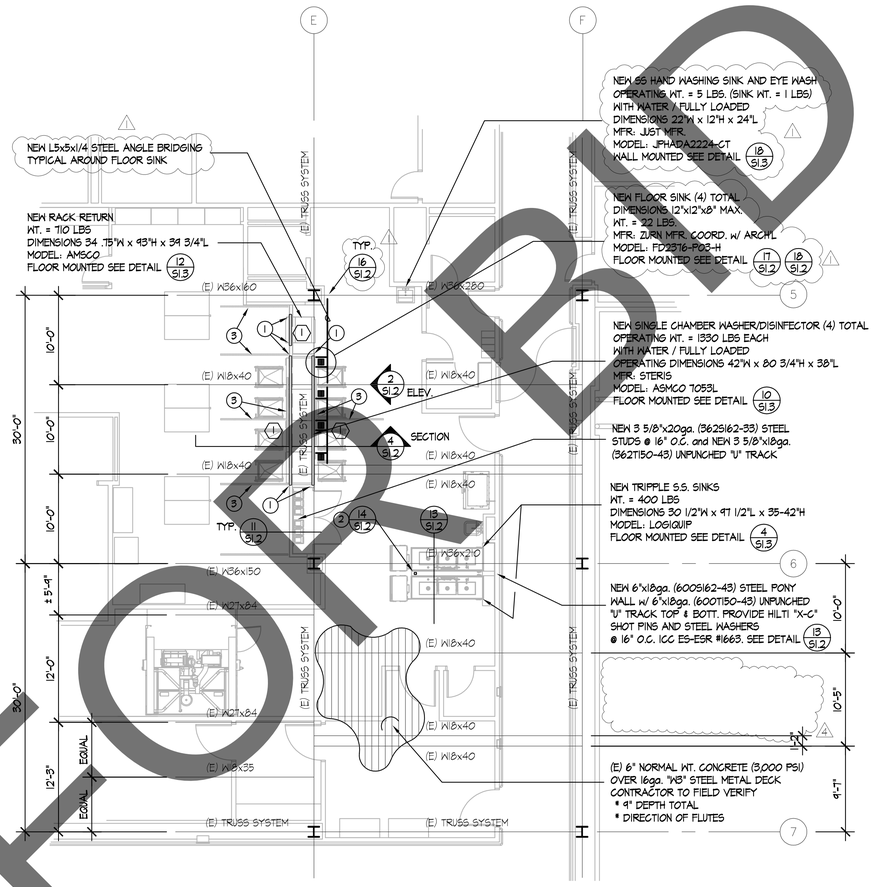
1. THE EXTENT OF THE STRUCTURAL LIGHT GAGE FRAMING IS SHOWN ON THE DRAWINGS AND INCLUDES ALL COLD FORMED FRAMING 22 GA. AND HEAVIER. THE STRUCTURAL LIGHT GAUGE FRAMING INCLUDES BUT IS NOT LIMITED TO: INSTALLATION OF ROOF JOISTS, FLOOR JOISTS, WALL STUDS, AND TRACKS COMPLETE WITH CLIPS, BRIDGING, STIFFENERS, ETC., AS REQUIRED FOR A COMPLETE FRAMING PACKAGE.
2. ALL MEMBERS SHALL BE COLD FORMED FROM GALVANIZED STRUCTURAL QUALITY SHEET STEEL MEETING THE REQUIREMENTS OF ASTM A-653 GRADE 33, MINIMUM YIELD OF 33 KSI FOR 18ga. AND LIGHTER, AND MEETING THE REQUIREMENTS OF ASTM A-653 GRADE 50, MINIMUM YIELD OF 50 KSI FOR 16ga. AND HEAVIER. ALL MEMBERS SHALL BE MARKED SO THAT SUPPLIED MATERIALS CAN BE FIELD VERIFIED.
3. INSTALLATION:
   A. INSTALL STUDS IN CONTINUOUS TRACKS, SIZED TO MATCH STUDS TOP AND BOTTOM, AND SECURE THE STUDS TO THE TRACKS WITH APPROVED CONNECTIONS, INSTALL AS INDICATED ON THE DRAWINGS.
   B. DO NOT SPLICE ANY FRAMING MEMBER EXCEPT AS SHOWN ON THE DRAWMING OR WITH THE APPROVAL OF THE ENGINEER OF RECORD.
4. CONNECTION:
   A. WELDS: WELDING SHALL BE IN CONFORMANCE WITH AWS D 1.3-80. UTILITIING E60XX OR E70XX ELECTRODES. THE ENGINEER OF RECORD MAY REQUEST NON DESTRUCTIVE TEST TO VERIFY PROPER WELDING.
   B. SCREWS: ICC ES-ESR #1976 SELF DRILLING AND SELF TAPPING SCREWS CADMIUM PLATED FOR ALL EXTERIOR USES, OF THE SIZE REQUIRED FOR LOADINGS.
   C. POWDER DRIVEN SHOTS: ICC ES-ESR #1663 SIZE AND SPACING AS REQUIRED TO PROPERLY ANCHOR THE FRAMING MEMBERS. USE CHARGE AS APPROPRIATE FOR ACTUAL USE.

POST-INSTALLED ANCHOR BOLT LOAD TEST:

1. ALL CONCRETE ANCHORS BOLTS OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL HAVE 50 PERCENT OF THE BOLTS (ALTERATIONS BOLTS IN ANY GROUP ARRANGEMENT) PROOF TESTED IN TENSION TO 1 1/4 TIMES THE TENSION STRENGTH. VERIFY AND COORDINATE WITH 2019 CBC SECTION 1910A.5.4 - "IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME TYPE SHALL BE TESTED, WHICH ARE INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY".
2. ALL POST INSTALLED ANCHOR IN CONCRETE SHALL HAVE SPECIAL INSPECTION PER 2019 CBC 1705A.3 AND 1705A.1.1.3 AND MANUFACTURERS REQUIREMENT.
3. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
   A. INSTALLATION TEST METHOD: THE APPLICABLE TEST MUST BE REACHERD WITHIN THE FOLLOWING LIMITS:
      1. WEDGE OR SLEEVE TYPE: ONE-HALF (1/2) TURN OF THE NUT.
      2. ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8 IN.SLEEVE ANCHOR ONLY.
4. TESTING SHOULD OCCUR 24HRS. AFTER INSTALLATION TO ALLOW THE ANCHORS TO RELAX AFTER INITAL SETTING.

TYPE OF MATERIALS	TEST / SPECS.	3/8"ø SS KWIK BOLT-TZ2 ICC ES-ESR #4266	1/2"ø SS KWIK BOLT-TZ2 ICC ES-ESR #4266	5/8"ø SS KWIK BOLT-TZ2 ICC ES-ESR #4266
HARD ROCK CONCRETE 3,000 PSI	DIRECT FULL-TENSION:	1,441 LBS.	1,000 LBS.	1,250 LBS.
	INSTALLATION TEST:	30 FT. LBS	40 FT. LBS	60 FT. LBS
	MINIMUM EMBED DEPTH:	2 1/2"	3 1/4"	3 3/4"

⚠2



BOX BEAM & HEADER SCHEDULE

MARK	BOX BEAM BOTH SIDES	TRACK TOP & BOTTOM	MAX. SPAN	DETAIL
1	6"x18ga OR BETTER (600S200-43)	3 5/8"x18ga. OR BETTER (362T150-43)		BC/S1.2

STEEL STUD/JOIST/TRACK SCHEDULE, U.N.O.

SIZE	WIDTH	DEPTH	GAUGE	SPACING	MARK
3 5/8" x 18ga.	1 5/8"	3 5/8"	18ga.	16" O.C.	362S162-43
3 5/8" x 18ga.	1 1/2"	3 5/8"	18ga.	TRACK	362T150-43
6" x 18ga.	1 5/8"	6"	18ga.	16" O.C.	600S162-43
6" x 18ga.	1 1/2"	6"	18ga.	TRACK	600T150-43

POST & HOLDOWN SCHEDULE

MARK	POST/MULTI KING STUD CONT. TO TOP PLATE, TYP., U.N.O.	HOLDOWN	DETAIL/COMMENT
1	DBL. JAMB STUDS		8A/S1.2 8B/S1.2
2	HSS3x3x1/4		14/S1.2
3	L3x3x1/4 DIAG. BRACE		4/S1.2

N

SEE ARCHITECT PLAN FOR EQUIPMENT SCHEDULE/REMAINING DIMENSIONS.

STEEL JAMBS / STEEL STUDS / STEEL TRACKS ARE MEMBERS ABOVE THIS FLOOR. (GROUND LEVEL PLANS)

IMPORTANT NOTES TO CONTRACTOR:
* COORDINATE WITH ARCHITECTURAL PLANS FOR EQUIPMENT LAYOUT/DIMENSIONS/BRACKETS/SPECS.
* FIELD VERIFY ALL EXISTING MEMBERS \ HARDWARE CALLED OUT ON PLANS AND DETAILS. IF ANY MEMBER \ HARDWARE IS MISSING, NOTIFY ARCHITECT OR EOR IN WRITING OF ANY DESCREPANCIES.

PROJECT TITLE
STERILIZATION SYSTEM INSTALLATION
FOR THE
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE.
COLTON, CA. 92324
WBSE #10.10.1142 - CIP #21-154 - CAFM #COL003

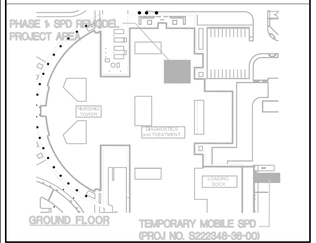
CONSULTANT
TANG STRUCTURAL ENGINEERS, INC.
7850 CHERRY AVE. SUITE 114 Bus. (909) 429-0450
FONTANA, CA. 92336 Email: che@tang-se.com

REGISTERED PROFESSIONAL ENGINEER CHE CHENG 4433 12/31/24 STRUCTURAL STATE OF CALIFORNIA

Department of Health Care Access and Information
HCAI # S222347-36-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access & Information
Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

REFERENCE PLAN



DRAWING TITLE
GENERAL NOTES & EQUIPMENT PLAN

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

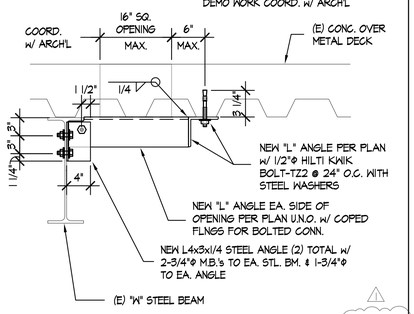
DATE
DECEMBER 28, 2022

REVISIONS	
1.	PLAN CHECK COMMENTS - 02.13.2023
2.	AMC0001 - 06.13.2023
3.	PLAN CHECK COMMENTS - 06.27.2023
4.	PLAN CHECK COMMENTS - 08.15.2023

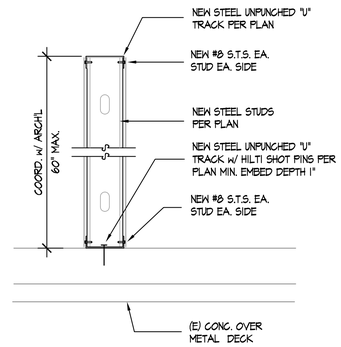
LICENSED ARCHITECT DAVID WILLIAM MARKS C-25918 REGISTERED STATE OF CALIFORNIA

PROJECT NUMBER
3021027

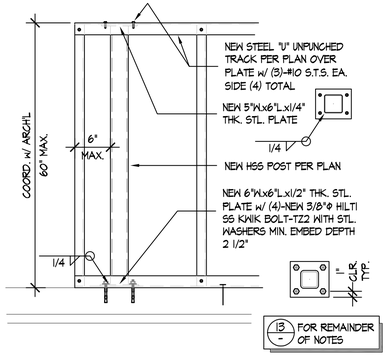
DRAWING NUMBER
S1.1



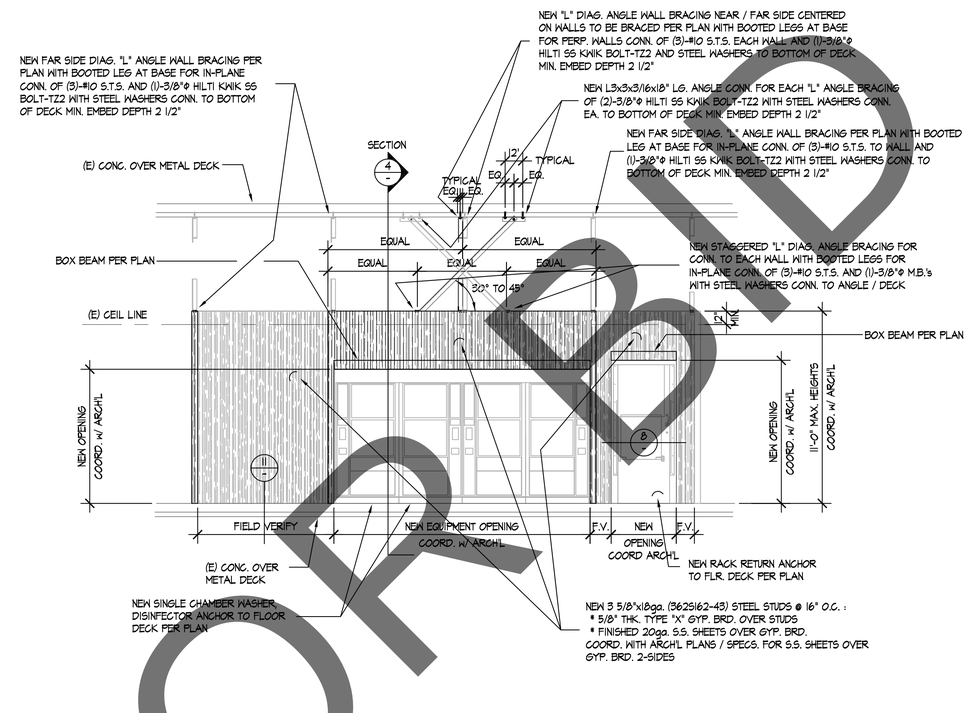
BRIDGING | SCALE: 1" = 1'-0" | 17



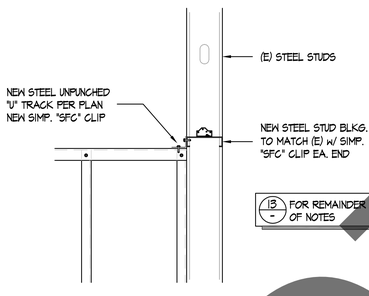
PONY WALL | SCALE: 1" = 1'-0" | 13



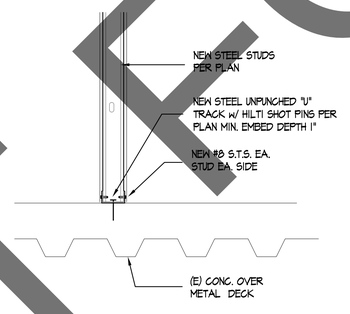
POST IN WALL | SCALE: 1" = 1'-0" | 14



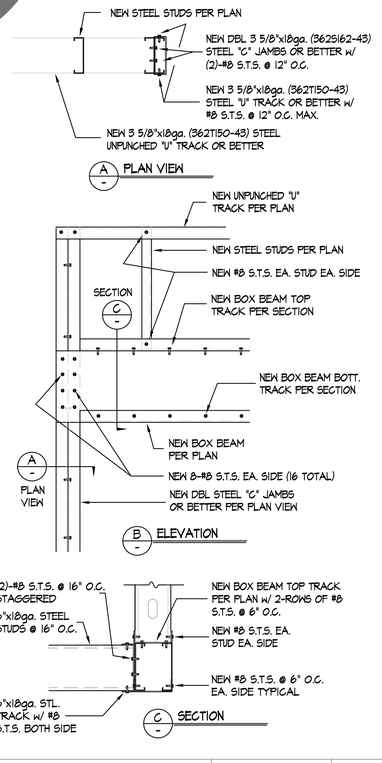
WALL ELEVATION | SCALE: 1/4" = 1'-0" | 2



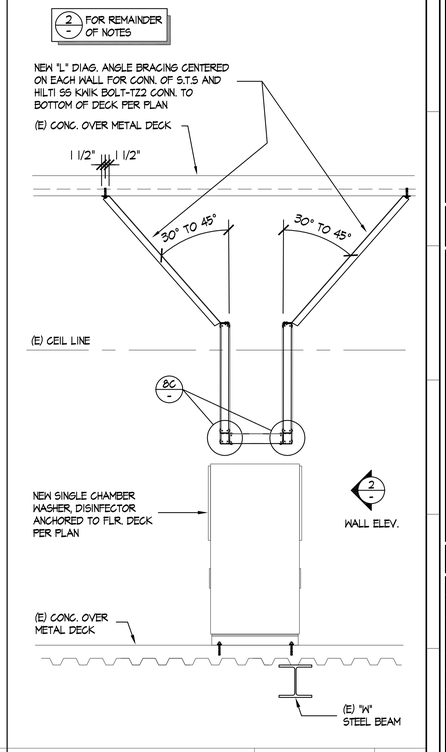
PONY WALL | SCALE: 1" = 1'-0" | 15



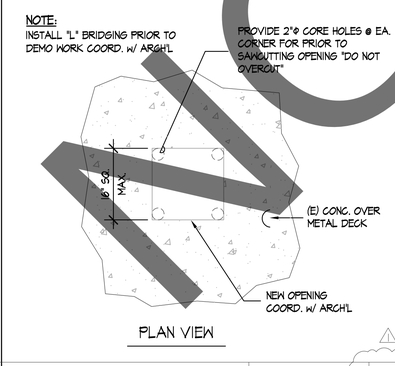
WALL TO DECK | SCALE: 1" = 1'-0" | 11



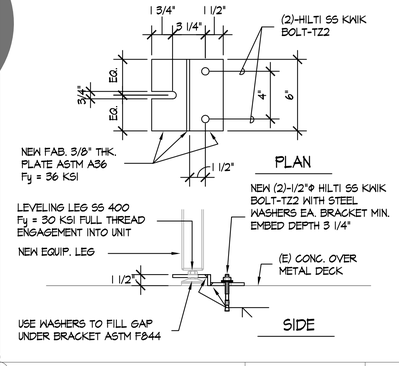
BOX BEAM | SCALE: 1" = 1'-0" | 8



SECTION | SCALE: 3/8" = 1'-0" | 4



FLOOR SINK | SCALE: 1" = 1'-0" | 16



BRACKET | SCALE: 1/2" = 1'-0" | 12

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400 N. PEPPER AVE.
COLTON, CA. 92324
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CONSULTANT
TANG STRUCTURAL ENGINEERS, INC.
7850 CHERRY AVE. SUITE 114 Bus. (909) 429-0450
FONTANA, CA. 92336 Email: che@tang-se.com

REGISTERED PROFESSIONAL ENGINEER CHE CHANG No. 4433 EXP. 12-31-24 STRUCTURAL STATE OF CALIFORNIA

Department of Health Care Access and Information
HCAI # S222347-36-00
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APPROVED
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Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

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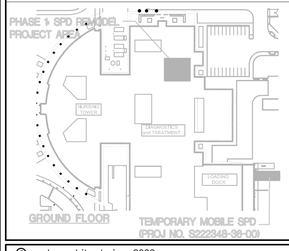


DRAWING TITLE
WALL ELEV., SECTION & DETAILS

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

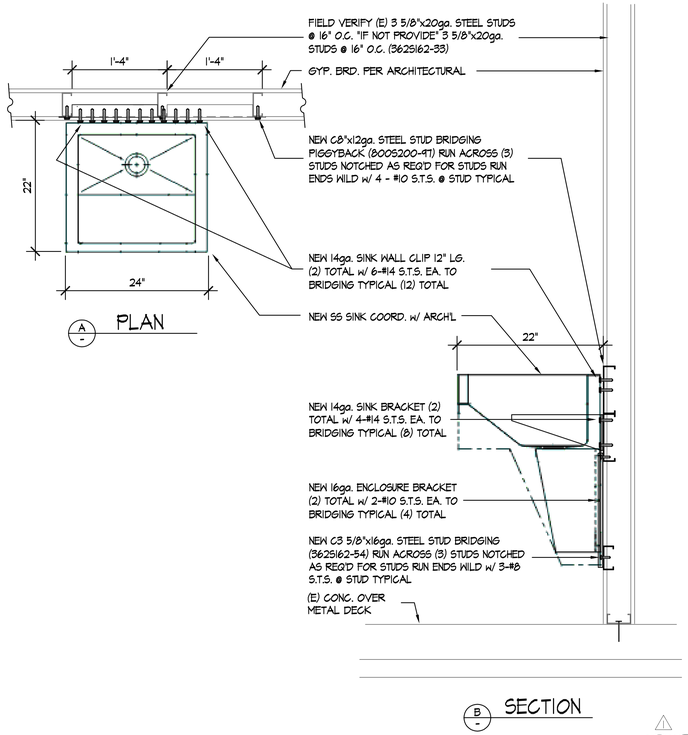
REVISIONS

1.	PLAN CHECK COMMENTS - 02.13.2023	
2.	AMC0001 - 06.13.2023	
3.	PLAN CHECK COMMENTS - 06.27.2023	
4.	PLAN CHECK COMMENTS - 08.15.2023	

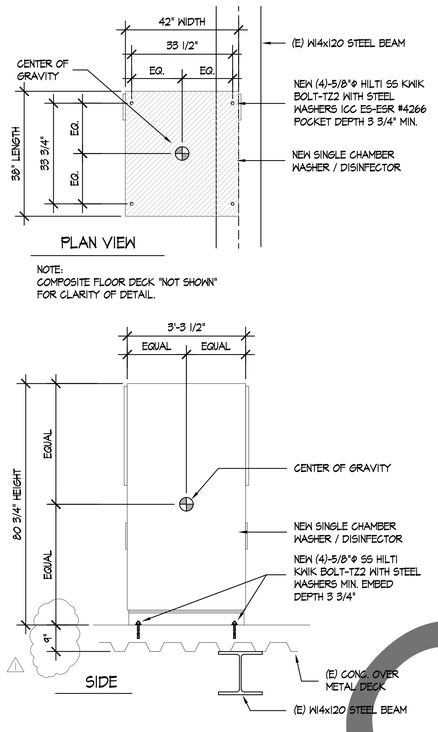
LICENSED ARCHITECT DAVID ALLUM BLANK C-29189 REGISTERED PROFESSIONAL ARCHITECT STATE OF CALIFORNIA

PROJECT NUMBER
3021027

DRAWING NUMBER
S1.2



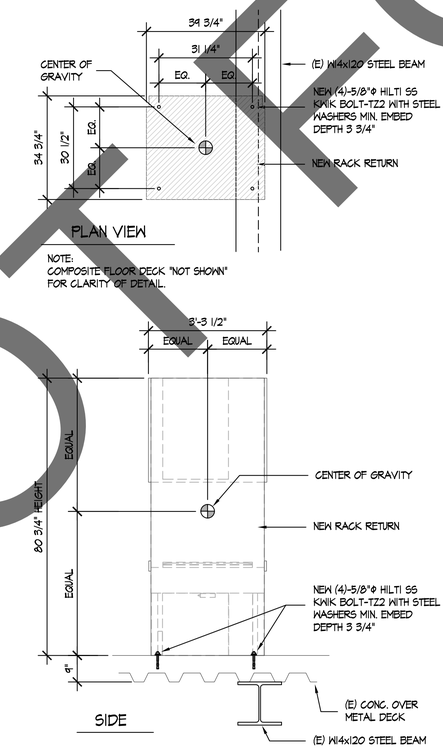
S.S. HAND WASHING / EYE WASH SINK | 18

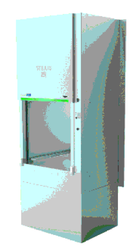


ISOMETRIC

N.T.S.

SINGLE CHAMBER WASHER / DISINFECTOR | 10

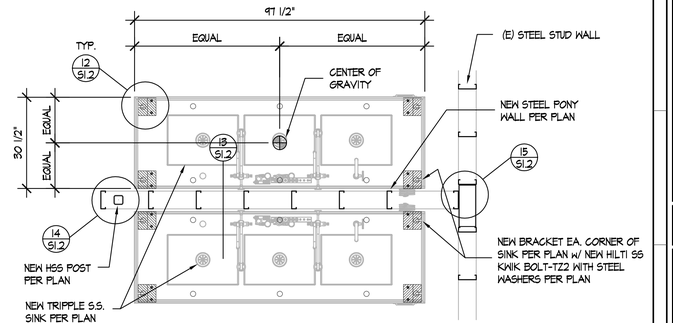




ISOMETRIC

N.T.S.

RACK RETURN | 12



TRIPPLE S.S. SINK | 4

PROJECT TITLE
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CONSULTANT
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FONTANA, CA. 92336 Email: che@tang-se.com

REGISTERED PROFESSIONAL ENGINEER CHE CHANG No. 4433 Exp. 12-31-24 STRUCTURAL STATE OF CALIFORNIA

Department of Health Care Access and Information
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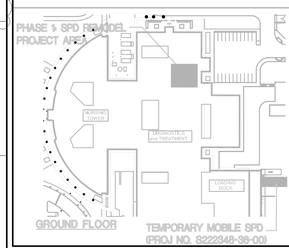


DRAWING TITLE
EQUIPMENT ANCHOR DETAILS
SCALE: 1/2" = 1'-0"

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

REVISIONS	
1.	PLAN CHECK COMMENTS - 02.13.2023
2.	AMC0001 - 06.13.2023
3.	PLAN CHECK COMMENTS - 06.27.2023
4.	PLAN CHECK COMMENTS - 08.15.2023

LICENSED ARCHITECT JOHN WILLIAM SAMS VIRGINIA

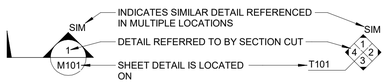
PROJECT NUMBER
3021027

DRAWING NUMBER
S1.3

VIEW KEY

NAME 10'-0" — LEVEL NAME, HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL



LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
- NEW
- EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
- NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
- EXISTING
- EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
- EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE

'TAG'(E) — TAGS WITH (E) INDICATE THAT THE REFERENCED OBJECT IS EXISTING

TAG-1 — UNDERLINED TAG INDICATES OBJECT IS IN SCOPE. A NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

FIRE / SMOKE BARRIER DESIGNATIONS

THE LINE TYPES SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

ALL [FLOOR, FLOOR CEILING, AND ROOF CEILING] ASSEMBLIES SHALL BE DESIGNATED AS [1], [2], [3], [4] HOUR FIRE [/SMOKE], BARRIER(S), UNLESS NOTED OTHERWISE ON THE PLANS. RATINGS WERE ACQUIRED FROM THE ARCHITECTURAL PLANS DATED [01/06/22].

EXISTING ONE-HOUR PARTITION OCCUPANCY SEPARATION TO REMAIN.	
EXISTING TWO-HOUR RATED PARTITION AND/OR SHAFTWALLS TO REMAIN.	
EXISTING ONE-HOUR RATED SMOLE BARRIER WALL TO REMAIN.	

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO VENTILATION AND TEMPERATURE CONTROL.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING.
6. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
7. WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
9. OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
11. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

TAB PRE-DEMOLITION NOTES:

1. BEFORE ANY DEMOLITION WORK IS BEGUN A COMPLETE AIR BALANCE TEST SHALL BE PERFORMED BY THE TESTING, ADJUSTING AND BALANCING (TAB) CONTRACTOR ON EXISTING AIR HANDLERS AND EXHAUST FANS SERVING THE AREAS AFFECTED BY CONSTRUCTION. EQUIPMENT TO BE DEMOLISHED DOES NOT REQUIRE TESTING. PROVIDE AIR BALANCE TESTING ONLY ON EQUIPMENT THAT WILL CONTINUE TO BE USED TO SERVE RENOVATED AREAS AFTER THE CONSTRUCTION PHASE IS COMPLETED.
2. PROVIDE DUCT TRAVERSE READINGS AT LOCATIONS DESIGNATED ON THE DRAWINGS BY THE "AIRFLOW MEASUREMENT SYMBOL". THOSE MEASUREMENTS SHALL BE INCLUDED IN THE PRE DEMOLITION REPORT AND SHALL BE DESIGNATED WITH THE IDENTIFIER AS MARKED ON THE DRAWINGS. READINGS SHALL BE DESIGNATED WITH THE ROOM NAME AND NUMBER AS MARKED ON THE DRAWINGS. IF FLOOR PLANS DO NOT HAVE UNIQUE ROOM NAMES AND NUMBERS, TAB CONTRACTOR SHALL INCLUDE FLOOR PLAN WITH UNIQUE NUMBER DESIGNATIONS ASSIGNED TO READINGS THAT MATCH THOSE USED IN THE FINAL PRE-DEMOLITION REPORT. DRAWINGS THAT ARE HAND-MARKED WITH RED INK ARE ACCEPTABLE, PROVIDED THEY ARE LEGIBLE.
3. IN THE EVENT A DUCT TRAVERSE LOCATION AS MARKED ON THIS PLAN IS INACCESSIBLE FOR MEASUREMENT, THE TAB CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR READINGS AS REQUIRED TO DETERMINE THE AIRFLOW READING WHERE THE DUCT TRAVERSE SYMBOL IS SHOWN. IN THE EVENT TRAVERSES ARE TAKEN AT ALTERNATE LOCATION(S), TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
4. TAKE A DUCT STATIC PRESSURE READING AT EACH LOCATION WHERE A DUCT TRAVERSE READING IS TAKEN AND INCLUDE IN THE FINAL PRE-DEMOLITION TAB REPORT.
5. TAB CONTRACTOR SHALL COMPILE AND SUBMIT FOUR COPIES OF THE FINAL PRE-DEMOLITION REPORT WITHIN 10 WORKING DAYS AFTER THE FIELD MEASUREMENTS ARE COMPLETED. FINAL TAB REPORT SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT/ENGINEER. TESTING SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.
6. TAB CONTRACTOR SHALL PROVIDE DUCT TRAVERSE READINGS AT LOCATIONS DESIGNATED ON THE DRAWINGS BY THE "AIRFLOW MEASUREMENT SYMBOL". THOSE MEASUREMENTS SHALL BE INCLUDED IN THE POST-CONSTRUCTION REPORT AND SHALL BE DESIGNATED WITH THE IDENTIFIER AS MARKED ON THE CONSTRUCTION DRAWINGS. GRILLE AND DIFFUSER READINGS SHALL BE DESIGNATED WITH THE ROOM NAME AND NUMBER AS MARKED ON THE DRAWINGS. IF THE DRAWINGS DO NOT HAVE UNIQUE ROOM NAMES AND NUMBERS, TAB CONTRACTOR SHALL INCLUDE FLOOR PLANS WITH UNIQUE NUMBER DESIGNATIONS ASSIGNED TO TRAVERSES, GRILLES, AND DIFFUSERS THAT MATCH THOSE USED IN THE FINAL PRE-DEMOLITION REPORT. SIMILAR ROOM NAMES, NUMBERS, OR DESIGNATIONS SHALL BE USED TO SIMPLIFY THE CROSS- REFERENCING OF READINGS TAKEN BETWEEN PRE-DEMOLITION AND POST-CONSTRUCTION REPORTS.
7. BALANCING CONTRACTOR SHALL PRE-BALANCE ALL EXISTING SYSTEMS TO REMAIN PER SPECIFICATION SECTION 23 05 93. BALANCE READINGS WILL BE REQUIRED AT AIR OUTLETS AND DUCT TRAVERSES TO VERIFY EXISTING AIRFLOW TO UNAFFECTED SPACES.

TAB POST-CONSTRUCTION NOTES:

1. AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND BALANCING CONTRACTOR SHALL REBALANCE AIR HANDLING UNITS AND EXHAUST FANS AS REQUIRED TO ACHIEVE THE NEW AIRFLOW VALUES SHOWN ON THE CONSTRUCTION DRAWINGS.
2. AREAS SERVED BY THIS EQUIPMENT WHICH WERE NOT RENOVATED SHALL BE RE-BALANCED TO THE AIRFLOW RATES MEASURED BEFORE THE RENOVATION OCCURRED (REFER TO THE FINAL PRE- DEMOLITION REPORT).
3. IF DUCT TRAVERSE LOCATION AS MARKED ON THE DRAWINGS IS INACCESSIBLE FOR MEASUREMENT, THE TAB CONTRACTOR SHALL PERFORM THE TRAVERSE AT AN ALTERNATE LOCATION OR SHALL TAKE MULTIPLE DUCT TRAVERSES AND/OR GRILLE READINGS AS REQUIRED TO DETERMINE THE FLOW RATE. IN THE EVENT TRAVERSES ARE TAKEN AT AN ALTERNATE LOCATION(S), TAB CONTRACTOR SHALL INCLUDE A DRAWING THAT SHOWS THE LOCATIONS WHERE THE ACTUAL MEASUREMENTS WERE TAKEN.
4. A DUCT STATIC PRESSURE READING SHALL BE TAKEN AT EACH LOCATION WHERE A DUCT TRAVERSE READING IS TAKEN AND SHALL BE INCLUDED IN THE FINAL POST-CONSTRUCTION TAB REPORT.
5. TAB CONTRACTOR SHALL COMPILE AND SUBMIT COPIES OF THE FINAL POST-CONSTRUCTION TAB REPORT AS REQUIRED BY SECTION 23 05 93.
6. THE FINAL POST CONSTRUCTION REPORT SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.

VENTILATION GENERAL NOTES:

1. EXISTING AIR INLET AND OUTLET CFM SHOWN ON DRAWINGS ARE FROM PRE-BALANCE VALUES INDICATED ON AIR MANAGEMENT INDUSTRIES(AMI) HVAC SYSTEM SURVEY DATED DECEMBER 14, 2021.
2. CONTRACTOR MAY REUSE PORTIONS OF EXISTING DUCT PROVIDED SIZES AND PRESSURE CLASSES ARE CORRECT, DUCT IS THOROUGHLY CLEANED AND FREE OF DEFECTS, AND ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS ARE SEALED AS SPECIFIED FOR NEW DUCTWORK.

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, PLUMBING, MEDICAL GAS, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
5. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
8. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
9. IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
10. SEAL ALL FLOOR AND WALL PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL PARTITION, FLOOR, AND ROOF ASSEMBLIES THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
11. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
12. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
13. DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
14. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
15. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING; DUCTWORK, PIPING, ETC.
16. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
17. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

ME COMPONENT ANCHORAGE NOTES:

1. EQUIPMENT ANCHORAGE NOTE:

   ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE HCAI APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTION 1616A.18 THROUGH 1616A.1.26 AND ASCE 7-16 CHAPTERS 13,26, AND 30.

   1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
   2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARED WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTION EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE
   3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENTS IS REQUIRED TO BE RETRAINED IN A MANNER APPROVED BY HCAI.

   THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED DOT THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTES ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSFERS AND LONGITUDINAL DIRECTIONS.

   A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
   B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THANG POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

   THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OF STRUCTURAL ENGINEER DELEGATE RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

2. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS BRACING NOTE.

   PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENT PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED INS ASCE 7-16 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

   THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. OSHPD OPM FOR 2013 OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE STAR OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

   MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP): DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. SHALL COMPLY WITH THE APPLICABLE HCAI PRE-APPROVAL (OPM#) #0052-13.

APPLICABLE CODES AND STANDARDS:

1 2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 1

2019 CALIFORNIA BUILDING CODE (CBC)
CALIFORNIA CODE OF REGULATIONS (CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2) TITLE 24, PART 2
(2018 INTERNATIONAL BUILDING CODE (IBC) W/ 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA ELECTRICAL CODE (CEC)
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3
(2017 NATIONAL ELECTRICAL CODE (NEC) W/ 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA ENERGY CODE
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6

2019 CALIFORNIA FIRE CODE (CFC)
CALIFORNIA CODES OF REGULATIONS (CRR) TITLE 24, PART 9
(2018 INTERNATIONAL FIRE CODE (IFC) W/ 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA EXISTING BUILDING CODE
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 10
(2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC))

2019 CALIFORNIA REFERENCES STANDARDS CODE
CALIFORNIA DOE OF REGULATIONS (CCR) TITLE 24, PART 12

AMERICANS WITH DISABILITIES ACT (ADA)
TITLE II - ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAG)
1990 STATE FIRE MARSHAL REGULATIONS AND AMENDMENTS TO-DATE

CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, CALIFORNIA STATE ACCESSIBILITY STANDARDS
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
(CAL GREEN), PART II, TITLE 24 C.C.R.

MECHANICAL SHEET INDEX

M0.1	MECHANICAL COVERSHEET
M0.2	SCHEDULES
M0.3	SPECIFICATIONS
M0.4	SPECIFICATIONS
M0.5	SPECIFICATIONS
M0.6	SPECIFICATIONS
M3.1	DETAILS
M3.2	DETAILS
M3.3	DETAILS
M1.1	GROUND LEVEL DEMOLITION PLAN - MECHANICAL
M2.1	GROUND LEVEL REMODEL PLAN - MECHANICAL
GRAND TOTAL: 11	

IMEG
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA 91764
909.477.6915 FAX: 909.477.6916
www.imegcorp.com
PROJECT # 21007609.00

REFERENCE SCALE IN INCHES
0 1 2 3

REGISTERED PROFESSIONAL ENGINEER HIMANSU P. SHAH No. M25602 Exp. 9/30/24 MECHANICAL STATE OF CALIFORNIA

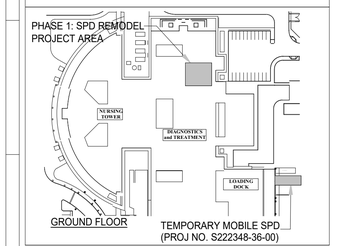
ARMC SPD Sterilization Washer Replacement
10/25/2023 11:15:51 PM
21007609.00

PROJECT TITLE
STERILIZATION SYSTEM INSTALLATION
FOR THE
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE.
COLTON, CA. 92324
WBSE #10.10.1142 - CIP #21-154 - CAFM #COL003

Office of Statewide Health Planning and Development
HCAI # S222347-36-00

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access & Information
Office of Statewide Hospital Planning & Development
1/4/2024, 9:00:12 AM
S222347-36-00
Allen Cheng

REFERENCE PLAN



DRAWING TITLE
MECHANICAL COVERSHEET

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
DECEMBER 28, 2022

REVISIONS

1.	HCAI COMMENTS 02.13.23
4.	PLAN CHECK COMMENTS 08.15.23

LICENSED ARCHITECT DAVID WILLIAM CLARKE C-21219 12-31-25 RENEWAL DATE STATE OF CALIFORNIA

PROJECT NUMBER
3021027

DRAWING NUMBER
M0.1

1. INITIAL AIR QUANTITIES INDICATED ON PLANS ARE FROM SUPPLY AIR, RETURN AIR AND EXHAUST AIR CFM SHOWN ON THIS DRAWING ARE PRE-BALANCE VALUES INDICATED ON AIR MANAGEMENT INDUSTRIES(AMI) HVAC SYSTEM SURVEY DATED DECEMBER 14, 2021. THE FINAL OVERALL SPD DEPARTMENT AIR BALANCE RELATIONSHIP IS NEGATIVE TO THE ADJOINING SPACES (CORRIDORS).
   UNDER THIS PROJECT, THE AIR BALANCE AT THE COMPLETION MAINTAINS THE AIR BALANCE NEGATIVE TO ADJOINING SPACES.
2. EXISTING AIR HANDLER AH-DTG.4 IS A SINGLE DUCT REHEAT SYSTEM WITH PRESSURE INDEPENDENT REHEAT BOXES.
3. EXISTING EXHAUST FANS EF-DTG.5 AND EF-DTG.8 ONLY SERVE THE SPD DEPARTMENT

AIR TERMINAL SCHEDULE

NOTES:
1.CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.
2.REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

TAG NAME	FACE SIZE (IN.) (NOTE 2)	TYPE	BORDER (NOTE 1)	MATERIAL	FINISH	VOLUME DAMPER REQUIRED	MANUFACTURER	MODEL	NOTES
EG/RG	VARIES	PERFORATED FACE	LAY-IN	ALUMINUM	WHITE	NO	TITUS	271-FL	
SD	24x24	LOUVER FACE	LAY-IN	ALUMINUM	WHITE	NO	TITUS	TDC-AA	

2019 CMC TABLE 4-A NOTES:

1. AIR QUANTITIES SHOWN IN THE TABLE BELOW IS FOR THE ENTIRE SPD AREA. THIS INCLUDES DECONTAMINATION ROOM GB183, WHICH IS OUR PROJECT AREA.

HVAC AIR BALANCE SUMMARY – ARMC AC STERILE DEPARTMENT

RM NO.	ROOM NAME	SPACE FUNCTION PER TABLE 4A	AREA (SqFt)	HEIGHT (Ft)	VOLUME (Cu.Ft)	REQUIRED OSA AC/HR MIN REQ'D	REQUIRED OSA AC/HR DESIGN	REQUIRED OSA O.B.A. (CFM) MIN REQ'D	REQUIRED OSA O.B.A. (CFM) DESIGN*	NOT REQ'D OSA AC/HR MIN REQ'D	NOT REQ'D OSA AC/HR DESIGN	NOT REQ'D OSA S.O.B.(CFM) MIN REQ'D	NOT REQ'D OSA S.O.B.(CFM) DESIGN*	EXH AIR (CFM)	MAX RET AIR (CFM)	ROOM PRESSURIZATION	UNIT SERVED
GB111	CORRIDOR	PATIENT CORRIDOR	579	9.0	5215	0	5.6	0	484	2	10.4	174	900	0	900	NR	
GB124	SERVICE ROOM	STERILIZER EQUIPMENT ROOM	181	9.0	1627	0	23.8	0	646	10	44.3	271	1200	1320		N	
GB177	SOILED EQUIPMENT	SOILED WORK ROOM/UTILITY ROOM	280	9.0	2520	2	6.7	84	280	10	12.4	420	520	570		N	
GB178	J.C.	JANITOR CLOSET	29	9.0	265		8.5	0	38	10	15.9	44	70	90		N	
GB179	EQUIPMENT ASSEMBLY	SUBSTERILE SERVICE AREA	105	9.0	949	2	4.8	32	75	6	8.9	95	140	0	90	NR	
GB180	CLEAN EQUIPMENT	CLEAN WORK ROOM	507	10.0	5065	2	4.0	169	334	4	7.3	338	820	0	560	P	
GB181	J.C.	JANITOR CLOSET	30	9.0	273		7.1	0	32	10	13.2	46	60	60	0	N	
GB182	CART WASHER	STERILIZER EQUIPMENT ROOM	120	11.0	1322	0	0.0	0	0	10	0.0	220	0	1400		N	
GB183	DECONTAM	SOILED OR DECONTAMINATION ROOM	982	10.0	9817	2	6.2	327	1011	6	11.5	982	1880	3840		N	
GB184	PREP / PACK	PREPARATION ROOM	957	10.0	9569	2	8.0	319	1272	6	14.8	957	2365	455	800	P	
GB185	CART HOLD	CLEAN WORKROOM OR CLEAN HOLDING	253	10.0	2530	2	4.9	84	207	4	9.1	169	385	0	0	P	
GB186	PROCESSED STORES	STERILE STORAGE	2384	10.0	23840	2	5.5	795	2755	4	10.2	1383	5120	0	3235	P	
GB187	SVC INTER	STERILIZER EQUIPMENT ROOM	96	9.0	864	0	14.9	0	215	10	27.8	144	400	445		NR	
GB188	STERRAD	STERILIZER EQUIPMENT ROOM	114	9.0	1025	0	12.6	0	215	10	23.4	171	400	445		N	
GB189	SUPV	ADMINISTRATIVE	67	8.0	539	2	5.4	18	48	6	10.0	54	90	0	90	NR	
GB195	ST. LOCKER	MEDICAL STAFF SUPPORT	102	9.0	922	2	7.0	31	108	6	13.0	92	200	170		NR	
GB196	ST. TOIL/SHOWER	TOILET ROOM	85	9.0	768	0	6.7	0	86	10	12.5	128	160	190		N	
GB247	CONVENIENCE CENTER	MEDICAL STAFF SUPPORT	489	9.0	4398	2	4.0	147	291	6	7.4	440	540	0	540	NR	
GB248	WAITING	WAITING AREA PRIMARY CARE CLINIC	82	9.0	742	2	3.9	25	48	10	7.3	124	90	0	90	NR	
GB249	ST LOCKER-M	MEDICAL STAFF SUPPORT	49	9.0	438	2	6.6	15	48	6	12.3	44	90	65		NR	
GB250	ST LOUNGE	MEDICAL STAFF SUPPORT	207	9.0	1864	2	6.3	62	215	6	12.9	186	400	0	400	NR	
GB251	ST TOIL-M	TOILET ROOM	58	9.0	522	0	5.3	0	51	10	10.3	87	95	120		N	
GB252	LINEN PACK	CLEAN LINEN STORAGE	370	9.0	3327	0	5.0	0	280	2	8.3	111	460	0	460	NR	
GB253	ST LOCKER-F	MEDICAL STAFF SUPPORT	129	9.0	1162	2	7.5	39	145	6	13.9	116	270	240		NR	
GB254	ST TOIL-F	TOILET ROOM	67	9.0	603	0	7.5	0	75	10	13.9	100	140	170		N	
GB255	E.C.	MEDICAL STAFF SUPPORT	91	11.0	1005	2	3.5	33	59	6	6.6	100	110	0	110	NR	
GB914	CORRIDOR	PATIENT CORRIDOR	545	9.0	4903		5.4	0	441	2	10.0	163	820	0	820	NR	
			9560						9461			TOTAL =	17525	9600	8095		

IMEG
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA 91764
909.477.6915 FAX: 909.477.6916
www.imegcorp.com
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REGISTERED PROFESSIONAL ENGINEER
HIMANSU P. SHAH
No. M25602
Exp. 9/30/24
MECHANICAL
STATE OF CALIFORNIA

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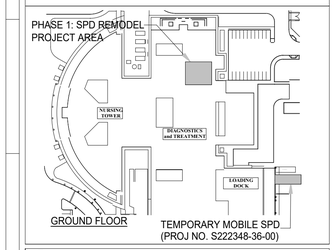


DRAWING TITLE
SCHEDULES

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-1800

DATE
DECEMBER 28, 2022

REVISIONS

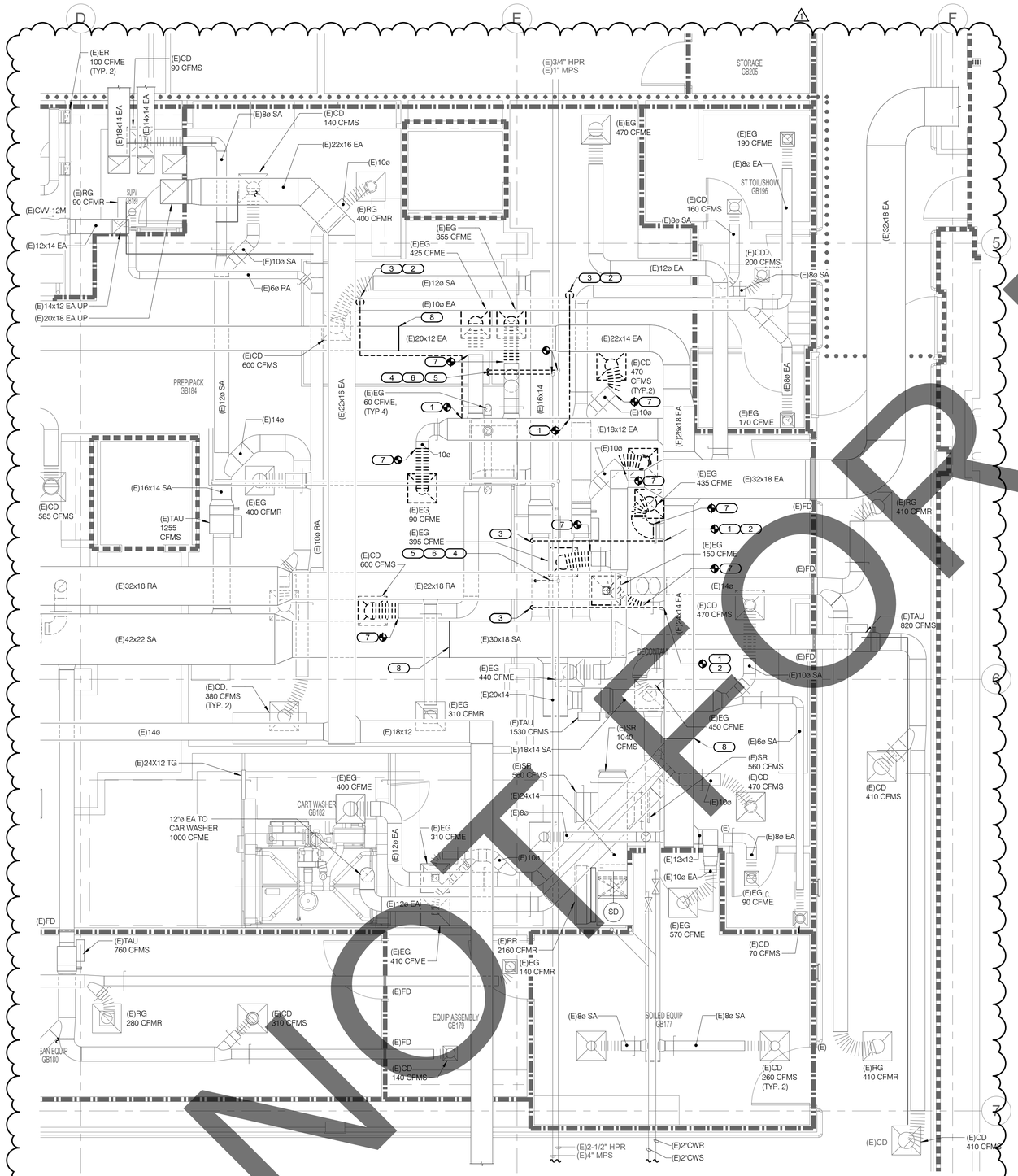
1	HCAI COMMENTS 02.13.23	
4	PLAN CHECK COMMENTS 08.15.23	

LICENSED ARCHITECT
DAVID WILLIAM CLARKE
C-21219
EXP. 08-31-25
RENEWAL 08-31-23
STATE OF CALIFORNIA

PROJECT NUMBER
3021027

DRAWING NUMBER
M0.2

ARMC SPD Sterilization Washer Replacement
10/25/2023 11:15:51 PM
21007609.00



1 **GROUND LEVEL DEMOLITION PLAN - MECHANICAL**
NO SCALE

GENERAL SHEET NOTES

1. SUPPLY AIR, RETURN AIR AND EXHAUST AIR CFM SHOWN ON THIS DRAWING ARE PRE-BALANCE VALUES INDICATED ON AIR MANAGEMENT INDUSTRIES(AMI) HVAC SYSTEM SURVEY DATED DECEMBER 14, 2021.
2. CLOSE EXISTING BRANCH VOLUME DAMPER AND CAP DURING CONSTRUCTION. TYPICAL EACH AIR DEVICE TO BE REMOVED.

KEY NOTES (#)

1. EXISTING EXHAUST DUCTWORK POINT OF DISCONNECTION. PROVIDE DUCTWORK END CAP AS INDICATED ON DRAWING.
2. DEMOLISH EXISTING EXHAUST DUCTWORK INCLUDING FITTINGS AND SUPPORTS.
3. DISCONNECT EXISTING EXHAUST DUCTWORK FROM EXISTING EQUIPMENT.
4. EXISTING STEAM AND CONDENSATE RETURN PIPING POINT OF DISCONNECTION. PROVIDE ISOLATION VALVE/END CAP OR USE SOME OTHER METHOD TO ALLOW PIPING DISCONNECTIONS WITHOUT ANY INTERRUPTION OF STEAM SERVICE.
5. DEMOLISH EXISTING STEAM AND CONDENSATE RETURN PIPING INCLUDING FITTINGS, INSULATION AND SUPPORTS.
6. DISCONNECT EXISTING STEAM AND CONDENSATE RETURN PIPING FROM EXISTING EQUIPMENT.
7. REMOVE EXISTING AIR DEVICE
8. PROVIDE PRECONSTRUCTION DUCT TRAVERSE READING AT THIS LOCATION

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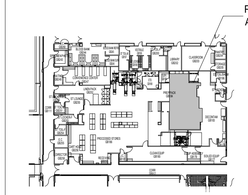
Allen Cheng

REFERENCE PLAN



GRD FLOOR

DRAWING TITLE
GROUND LEVEL DEMOLITION PLAN - MECHANICAL

marks architects
73121 fred waring drive
suite 200
palm desert, ca 92260
760-327-6800

DATE
12/28/2022

REVISIONS

1	HCAI COMMENTS 2/13/2023

LICENSED ARCHITECT
DAVID WILLIAM CLARKE
C-21219
RENEWAL DATE 6-30-23

PROJECT NUMBER
3021022

DRAWING NUMBER
M1.1

IMEG
901 VIA PIEMONTE, SUITE 400
ONTARIO, CA 91764
909.477.6915 FAX: 909.477.6916
www.imegcorp.com
PROJECT # 21007609.00

REFERENCE SCALE IN INCHES
0 1 2 3

REGISTERED PROFESSIONAL ENGINEER
HIMANSU P. SHAH
No. M25602
Exp. 9/30/24
MECHANICAL
STATE OF CALIFORNIA

ARMC SPD Sterilization Washer Replacement
5/10/2023 6:42:58 PM
21007609.00