570-23-223 DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

DEPARTMENT OF VETERANS AFFAIRS

FRESNO, CALIFORNIA

100% FOR CONSTRUCTION

PROJECT TEAM

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ENVIRONMENTAL:
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GI-003	FIRST FLOOR CODE COMPLIANCE PLAN
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GC-101	FIRST FLOOR INFECTION CONTROL PLAN
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AE-200	EXTERIOR ELEVATION
AE-301	VESTIBULE SECTION
AI-400	DOOR & FRAME SCHEDULE AND DOOR & FRAME TYPES
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P-401	PLUMBING SCHEDULES
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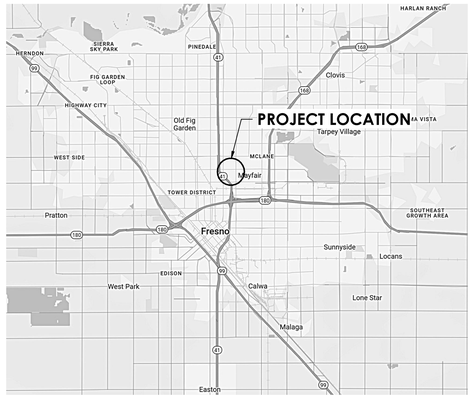
E-601	SINGLE LINE DIAGRAM
E-701	ELECTRICAL SCHEDULES
FIRE PROTECTION	
FA-001	FIRE PROTECTION SYMBOLS AND GENERAL NOTES
FA-101	FIRST FLOOR FIRE ALARM



NORTH

VICINITY MAP
FRESNO, CALIFORNIA

NORTH

VA CAMPUS MAP
FRESNO, CALIFORNIA

100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: COVER SHEET

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: MH | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: GI-001

DWG. 1 OF 65

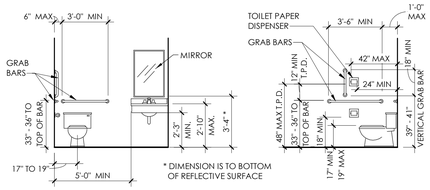
Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

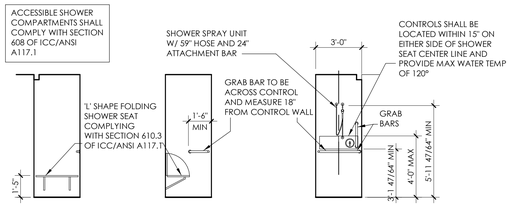
7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

BARRIER-FREE DESIGN INFORMATION



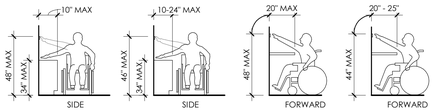
TYP. BARRIER FREE TOILET ROOM FIXTURES

SCALE: NONE

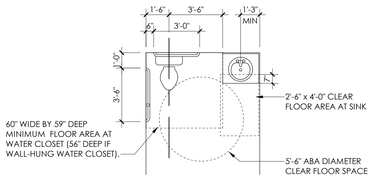


TYP. BARRIER FREE TRANSFER SHOWER

SCALE: NONE

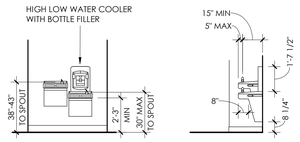


OBSTRUCTED REACH



TYP. BARRIER FREE TOILET ROOM FIXTURES

SCALE: NONE



DRINKING FOUNTAIN REQUIREMENTS

SCALE: NONE

UNOBSTRUCTED REACH

SCALE: NONE

BARRIER FREE DESIGN GENERAL NOTES:

ACCESSIBLE CONTROLS, OPERATING MECHANISMS & HARDWARE SHALL COMPLY WITH ***ABA SECTION §407*** AND ***SECTION 309 OF ICC/ANSI A117.1***.

ACCESSIBLE SIGNAGE FURNISHED BY CONTRACTOR SHALL COMPLY WITH ***ABA SECTION §F216***.

PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED IN ACCORDANCE WITH THE ***NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)***.

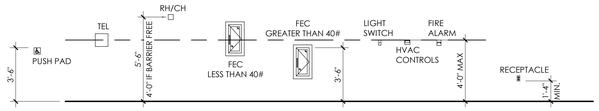
REFER TO FLOOR PLAN SHEETS FOR LOCATIONS OF FIRE EXTINGUISHER CABINETS (FEC).

ABBREVIATIONS

@	AT	JAN	JANITOR'S CLOSET
A/C	AIR CONDITIONING/AIR CONDITIONER		
ACOUS	ACOUSTICAL	HM	HOLLOW METAL
AD	AREA DRAIN, AUTOMATIC DAMPER	HORIZ	HORIZONTAL
ADJ	ADJUST, ADJUSTABLE	HR	HANDRAIL
ALUM	ALUMINUM	HT	HEIGHT
AP	ACCESS PANEL	HW	HEADWALL
ACT	ACOUSTICAL CEILING		
		LAM	LAMINATED
B	BASE	LF	LINEAL FEET
BAR	BARRIER		
BD	BOARD	MAS	MASONRY
BF	BARRIER FREE	MAT'L	MATERIAL
BKT	BRACKET	MAX	MAXIMUM
BLDG	BUILDING	MECH	MECHANICAL
BLKG	BLOCKING	MANUF	MANUFACTURED, MANUFACTURER
BOTT	BOTTOM	MIN	MINIMUM
		MLD'G	MOLDING
C TO C	CENTER TO CENTER	MTL	METAL
CAB	CABINET		
CE	COLUMN ENCLOSURE	N	NORTH
CIR	CIRCLE	NAT	NATURAL
CIR	CIRCUIT	NIC	NOT IN CONTRACT
CL	CENTER LINE, CLEARANCES	NORM	NORMAL
CLG	CEILING	NTS	NOT TO SCALE
CJ	CONTROL JOINT		
CLKG	CAULKING	O.C.	ON CENTER
CLO	CLOSET	OPN'G	OPENING
CM1	CERAMIC MOSAIC TILE	O, O2	OXYGEN
CMU	CONCRETE MASONRY UNIT		
CO	CLEANOUT	PLAST	PLASTIC
COL	COLUMN	PNT	PAINT
CONC	CONCRETE	PREFAB	PREFABRICATED
CONT	CONTINUOUS	PLYWD	PLYWOOD, PLYW'D
CORR	CORRIDOR		
CPT	CARPET	R	RADIUS
CSS	CLINICAL SERVICE SINK	RA	RETURN AIR
CT	CERAMIC TILE	REQ'D	REQUIRED
CTR	CENTER	RM	ROOM
CUH	CABINET UNIT HEATER		
		S	SINK, SOUTH, SHINGLE
DEMO	DEMOLITION, DEMOLISH	SA	SUPPLY AIR
DEPT	DEPARTMENT	SAN	SANITARY
DF	DRINKING FOUNTAIN	SMKD	SMOKE DAMPER
DIA, D	DIAMETER	SECT	SECTION
DIM	DIMENSION	SHWR	SHOWER
DN	DOWN	SIM	SIMILAR
DR	DRAIN	SPEC	SPECIFICATION
DS	DOWNSPOUT	SQ	SQUARE
		SS	SERVICE SINK, STAINLESS STEEL
ELECT	ELECTRICAL	STD	STANDARD
ELEV	ELEVATION	STOR	STORAGE
ENTR	ENTRANCE	SUSP	SUSPEND(ED)
EQ	EQUAL	SYM	SYMBOL, SYMMETRICAL
EP	ELECTRICAL PANEL		
EXH	EXHAUST	TOIL	TOILET
EXP	EXPOSED	TYP	TYPICAL
EXIST	EXISTING, EXSIST'G		
EXT	EXTERIOR	UNFIN	UNFINISHED
EW	EACH WAY	UTIL	UTILITY
FA	FIRE ALARM	VAC	VACUUM
FD	FIRE DAMPER OR FLOOR DRAIN	VAV	VARIABLE AIR VOLUME
FE	FIRE EXTINGUISHER	VCT	VINYL COMPOSITION TILE
FEC	FIRE EXTINGUISHER CABINET	VD	VOLUME DAMPER
FIN	FINISH	VERT	VERTICAL
FL, FLR	FLOOR FINISH	V.I.F.	VERIFY IN FIELD
FLG, FLRG	FLOORING, FLOOR'G	VT	VINYL TILE
FURN	FURNITURE, FURNACE	VWC	VINYL WALL COVERING
FWC	FABRIC WALL COVERING		
FT	FEET, FOOT	W/	WITH
		WC	WATER CLOSET
GALV	GALVANIZE(D)	WD	WOOD
GL	GLASS	WNDW	WINDOW
GSB	GYPSUM SHEATHING BOARD	W. HTR	WATER HEATER
GWB	GYPSUM WALLBOARD	W/O	WITHOUT
GYP. BD	GYPSUM BOARD	WP	WALL PROTECTION
ID	INSIDE DIAMETER		
INSUL	INSULATION		
IN	INCH(ES)		

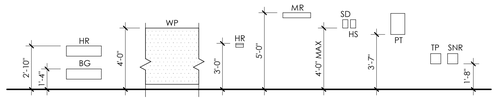
MOUNTING HEIGHT GENERAL NOTES:

1. REFER TO EQUIPMENT PLAN FOR EQUIPMENT ABBREVIATIONS AND LOCATIONS.
2. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
3. ITEMS ON THIS SHEET ARE NOT NECESSARILY INCLUDED IN THIS PROJECT.
4. CONTRACTOR TO VERIFY ALL EQUIPMENT MOUNTING HEIGHTS WITH COR/AE PRIOR TO INSTALLATION.
5. REFER TO MECHANICAL/ELECTRICAL DRAWINGS FOR DEVICE MOUNTING HEIGHTS.



TYP. CODE REGULATED MOUNTING HEIGHTS

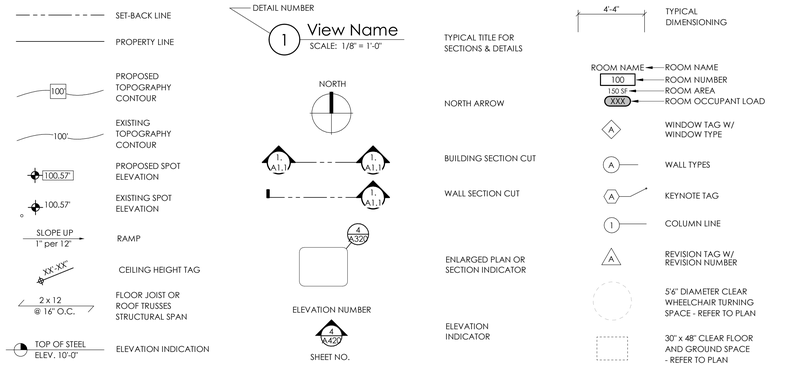
SCALE: NONE



TYP. EQUIPMENT MOUNTING HEIGHTS

SCALE: NONE

ARCHITECTURAL SYMBOLS & PLAN INDICATORS



DOOR IDENTIFICATION

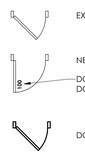
DOOR IDENTIFICATION BY FLOOR AND/OR ZONE SHALL BE AS FOLLOWS:

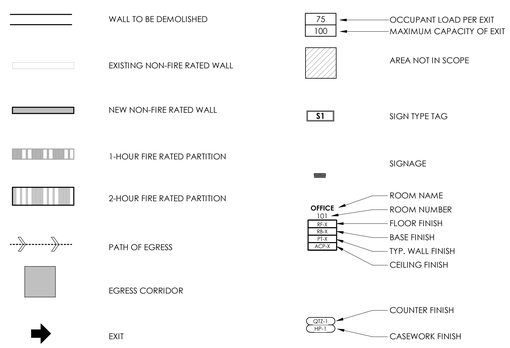
BASEMENT DOORS	001	A101	ZONE A
FIRST FLOOR DOORS	101	B101	ZONE B
SECOND FLOOR DOORS	201	C101	ZONE C
THIRD FLOOR DOORS	301		

CONTINUE FOR AS MANY FLOORS AS REQUIRED.

DOOR TO ROOM SHALL REPEAT ROOM NUMBER ASSIGNED TO ROOM. MULTIPLE DOORS TO ROOM SHALL REPEAT ROOM NUMBER WITH A POSTSCRIPT LETTER FOR EACH ADDITIONAL DOOR REQUIRED.

101/101A/101B FOR NUMBER NEEDED.





100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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DRAWING TITLE:
GENERAL INFORMATION & SYMBOL LEGEND

APPROVED:

PROJECT TITLE:
DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: MH | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: GI-002

DWG. 2 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

INTERIOR FINISHES

CODE/ REGULATION ITEM	INTERNATIONAL BUILDING CODE	NFPA 101
WALL AND CEILING FINISHES - REFERENCE TABLE 803.1.2	CLASS A FLAME SPREAD 0-25; SMOKE DEVELOPED 0-450 CLASS B FLAME SPREAD 26-75; SMOKE DEVELOPED 0-450 CLASS C FLAME SPREAD 76-200; SMOKE DEVELOPED 0-450	COMPLY WITH CHAPTER 10

SEPARATIONS

CODE/ REGULATION ITEM	NFPA 101, 2021	
PATIENT CARE NON-SLEEPING SUITE	CORRIDOR WALLS 19.3.5.7.3.3:	1/2 HR FIRE RESISTANCE RATING FORM A BARRIER TO LIMIT THE TRANSFER OF SMOKE
HAZARDOUS AREA	BOILER AND FURNACE ROOMS CENTRAL LAUNDRIES PAINT SHOP REPAIR SHOP SOILED LINEN EXCEEDING 64 gal. COLLECTED TRASH ROOMS 64 gal. ROOMS LARGER THAN 50 sq ft INCLUDING REPAIR SHOPS, STORAGE OF COMBUSTIBLE SUPPLIES AND EQUIPMENT IN QUANTITIES DEEMED HAZARDOUS BY THE AHJ. 19.3.2.1.5:	1 HR FIRE RESISTANCE RATING

GENERAL NOTES

1. THE INTERSECTION BETWEEN ALL RATED WALL AND DECK SYSTEMS TO BE SEALED WITH APPROVED UL FIRE SPRAY MATERIAL.
2. REFER TO CODE COMPLIANCE PLAN FOR RATED WALL LOCATIONS.
3. PROVIDE METAL BLOCKING WITHIN WALL CAVITY AS REQUIRED FOR WALL MOUNTED EQUIPMENT.
4. WHERE FIRE RATED SEPARATIONS ARE SHOWN IN CODE PLANS, PROVIDE STENCILING EVERY 20'-0" HORIZONTALLY WITHIN THE CEILING PLENUM SPACE WITH THE FOLLWING TEXT:
   FIRE BARRIER - PROTECT ALL OPENINGS AND PENETRATIONS

PLUMBING FIXTURE REQUIREMENTS

CODE/ REGULATION ITEM	INTERNATIONAL BUILDING CODE	TOTAL WC	TOTAL LAV	TOTAL FOUNTAIN	TOTAL SERVICE
	MEN'S REQUIRED WOMEN'S REQUIRED	1	1	0	0

NOTE:
PLUMBING FIXTURE RATIO
1 WC PER 25 FOR EMPLOYEES
1 WC PER 75 FOR VISITORS

1 LAV PER 35 FOR EMPLOYEES
1 LAV PER 100 FOR VISITORS

1 DRINKING FOUNTAIN PER 100 OCCUPANTS

1 SERVICE SINK

CODES & REGULATIONS

AUTHORITY HAVING JURISDICTION	VA FACILITY SAFETY OFFICER
CONSTRUCTION CODE	2024 INTERNATIONAL BUILDING CODE ASHRAE 90.1
HEALTHCARE CODE	2022 FACILITY GUIDELINES INSTITUTE FOR DESIGN AND CONSTRUCTION
LIFE SAFETY CODE	2024 NFPA 101, LIFE SAFETY CODE 2022 NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS 2022 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS 2023 NFPA 70, NATIONAL ELECTRIC CODE 2022 NFPA 72, NATIONAL FIRE ALARM CODE 2022 NFPA 80, STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES 2024 NFPA 90A, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS 2024 NFPA 99, HEALTHCARE FACILITIES CODE 2024 NFPA 220, STANDARD ON TYPES OF BUILDING CONSTRUCTION

VA PUBLICATIONS

PG-18-01	MASTER CONSTRUCTION SPECIFICATIONS
PG-18-3	DESIGN AND CONSTRUCTION PROCEDURES
PG-18-4	STANDARD DETAILS
H-18-8	SEISMIC DESIGN HANDBOOK
PG-18-9	SPACE & FACILITY PLANNING
PG-18-10	DESIGN MANUALS (BY DISCIPLINE)
PG-18-12	DESIGN GUIDES
PG-18-13	BARRIER FREE DESIGN GUIDES
PG-18-15	AE SUBMISSIONS & REVIEW
PG-18-17	ENVIRONMENTAL COMPLIANCE

GENERAL BUILDING LIMITATIONS

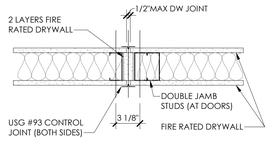
CODE/ REGULATION ITEM	IBC	NFPA
OCCUPANCY	I-2	EXISTING HEALTHCARE OCCUPANCY
CONSTRUCTION TYPE	IA	I (332)
AUTOMATIC FIRE SPRINKLER	YES	YES
DEAD END CORRIDOR		30' 19.2.5.3
TRAVEL DISTANCE		200' 19.3.5.7
TRAVEL DISTANCE OUT OF SUITE		100' 19.3.5.7

FIRE RESISTIVE RATINGS

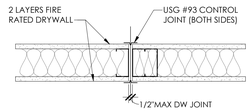
CODE/ REGULATION ITEM	NFPA 101 NFPA 220	
FIRE RESISTANCE RATING FOR BUILDING ELEMENTS:	STRUCTURAL FRAME:	2 HRS. 1 HR SUPPORTING ROOF ONLY 4.1.1
	EXTERIOR WALLS	
	BEARING	2 HRS. 1 HR SUPPORTING ROOF ONLY 4.1.1
	NON-BEARING	0 HRS. 4.1.1
	FLOOR CONSTRUCTION	2 HRS. 4.1.1
	ROOF CONSTRUCTION	1 HR. 4.1.1
	SHAFT ENCLOSURES	1 HR. 19.3.1.1
	HAZARDOUS AREAS	1 HR. 19.3.2.1, 8-4.1.2
	SMOKE TIGHT SEPARATION	SMOKE RESISTING PARTITIONS 19.3.2.1
	FIRE STOPPING	PENETRATIONS OF FIRE AND/OR SMOKE RESISTIVE WALLS, FLOORS, AND CEILINGS MUST BE FIRE STOPPED WITH MATERIALS APPROVED FOR SUCH USE. 6-2.3.2.4.2
PATIENT CARE NON-SLEEPING SUITE SEPARATION:	NONCOMBUSTIBLE OR LIMITED-COMBUSTIBLE PARTITIONS BARRIERS AND DOORS THAT LIMIT THE TRANSFER OF SMOKE. 19.2.5.7.1.1	

FIRE SUPPRESSION SYSTEM

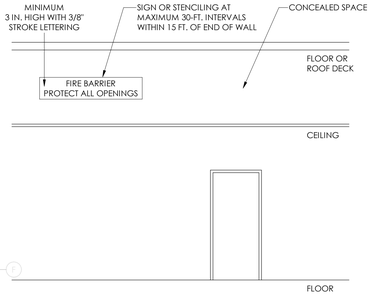
CODE/ REGULATION ITEM	NFPA 13 NFPA 10	
AUTOMATIC SYSTEMS:	SPRINKLERS:	DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13
	SPRINKLERS SYSTEM SUPERVISION:	REQUIRED PER IBC (903.4)
	METHOD OF SUPERVISION:	ELECTRICALLY SUPERVISED PER IBC (903.4)
	PORTABLE FIRE EXTINGUISHERS:	REQUIRED TO BE INSTALLED IN ACCORDANCE w/ NFPA 10



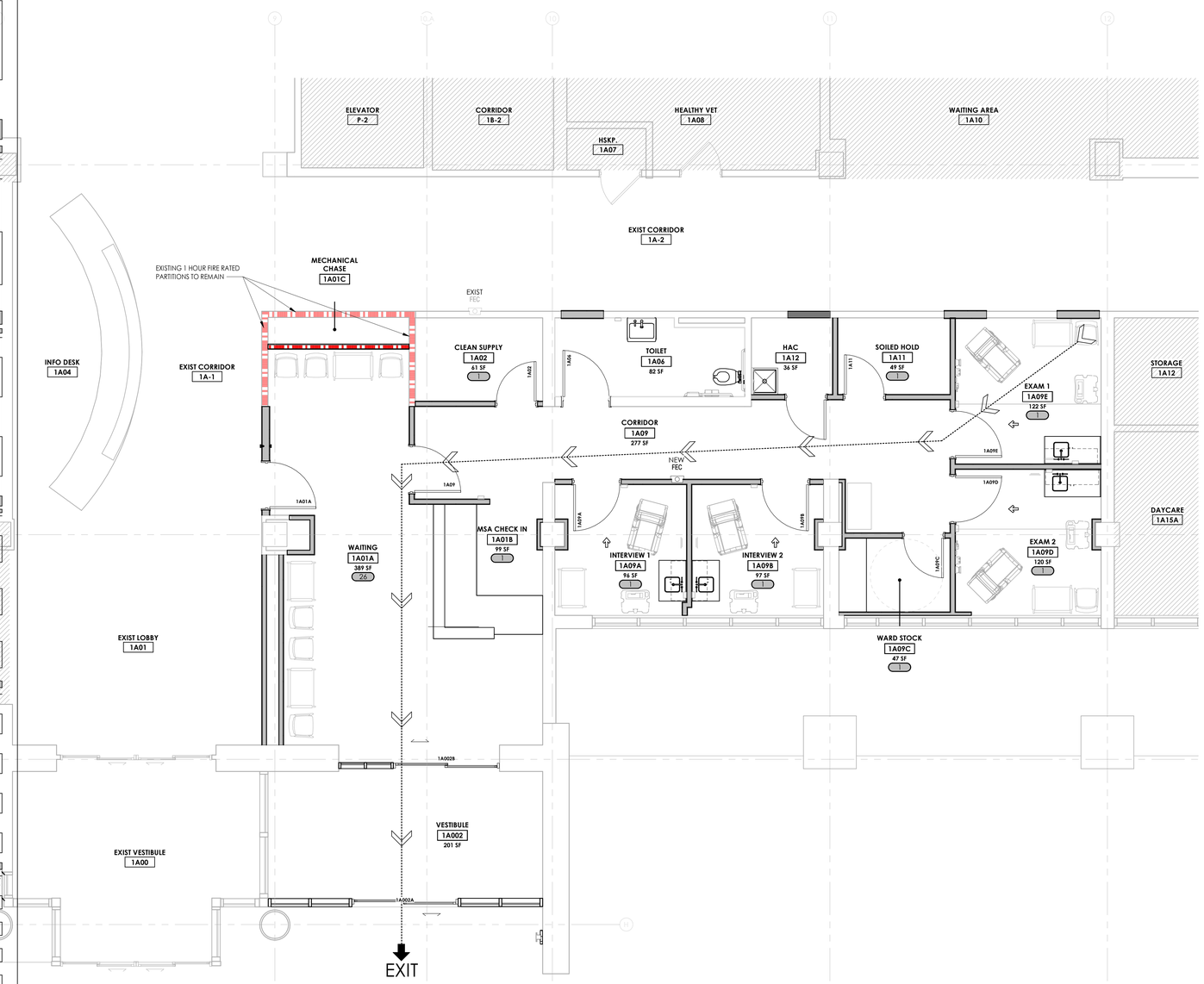
3 GI-003 TYP WALL CONTROL JOINT AT 1 HR RATED
SCALE: 1 1/2" = 1'-0"



2 GI-003 TYP WALL CONTROL JOINT AT NON-RATED
SCALE: 1 1/2" = 1'-0"



FIRE AND/OR SMOKE BARRIER - MARKING
SCALE: NONE



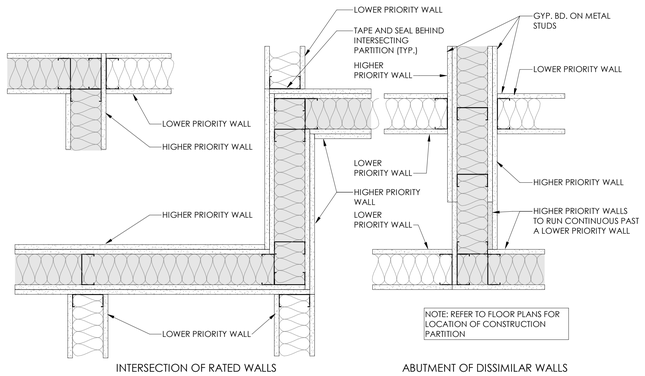
FIRST FLOOR CODE COMPLIANCE PLAN
SCALE: 1/4" = 1'-0"

CODE COMPLIANCE LEGEND

- 1-HOUR FIRE RATED PARTITION
- 1-HOUR FIRE RATED PARTITION - EXISTING
- 1-HOUR SMOKE BARRIER
- 1-HOUR SMOKE BARRIER - EXISTING
- PATH OF EGRESS
- DENOTES AN EGRESS CORRIDOR
- EXIT
- 75 — OCCUPANT COUNT THIS EXIT
- 100 — MAX. OCCUPANT CAPACITY

CODE ROOM TAG INFORMATION

- ROOM NAME — ROOM NAME
- 100 — ROOM NUMBER
- 150 SF — ROOM AREA
- XXX — ROOM OCCUPANT LOAD



1 GI-003 INTERSECTION & ABUTMENT WALLS
SCALE: 1 1/2" = 1'-0"

REVISIONS	DATE
100% CONSTRUCTION DOCUMENTS	04/07/2026

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DRAWING TITLE: FIRST FLOOR CODE COMPLIANCE PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: JK | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: GI-003

DWG. 3 OF 65

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

INFECTION CONTROL RISK ASSESSMENT NOTES - CLASS IV

DURING CONSTRUCTION PROJECT

LEVEL I:
1. PERFORM WORK ACTIVITY IN A MANNER THAT DOES NOT CREATE DUST.
2. IMMEDIATELY REPLACE ANY CEILING TILE. CLOSE ACCESS PANELS, ETC., UPON COMPLETION OF WORK.
3. ANY MATERIALS AND EQUIPMENT BEING BROUGHT INTO THE FACILITY MUST BE FREE OF CONTAMINANTS AND LOOSE MATERIAL.

LEVEL II:
1. PROVIDE ACTIVE MEANS TO CONTROL AIRBORNE DUST FROM DISPERSING INTO OCCUPIED AREAS AND/OR WATER MIST SURFACE TO CONTROL DUST (E.G., MOBILE DUST CONTAINMENT CART OR SOME OTHER SYSTEM).
2. ENSURE WORKER CLOTHING IS CLEAN AND FREE OF VISIBLE DUST BEFORE LEAVING WORK AREA
3. REMOVE OR ISOLATE AIR DIFFUSERS (SUPPLY AND RETURN) TO PROTECT THE HVAC SYSTEM FROM DUST AND REDUCE AIR TURBULENCE. REBALANCE SYSTEM TO ADDRESS DIFFUSER ISOLATION.
4. WHEN THE WORK INVOLVES OR IMPACTS POTABLE WATER SYSTEMS INCLUDING STAGNATION DUE TO REDUCED USAGE, THE PIPING SHALL BE FLUSHED TWICE A WEEK OR ISOLATED FROM THE MAIN SYSTEM.
5. SEAL DOORS TO PREVENT DUST MIGRATION.
6. CONTAIN ALL TRASH AND DEBRIS IN THE WORK AREA. PERFORM DAILY CLEANING AND DISPOSAL OF TRASH (COVERED) FROM WORK AREA USING AN IDENTIFIED EXIT ROUTE.
7. ANY EQUIPMENT, TOOLS, OR MATERIALS REMOVED FROM THE WORK AREA MUST BE IN SEALED CONTAINERS AND/OR CLEANED OF DUST AND DEBRIS PRIOR TO REMOVAL FROM THE AREA.
8. NONPOROUS/SMOOTH AND CLEANABLE CONTAINERS (WITH A HARD LID) MUST BE USED TO TRANSPORT TRASH AND DEBRIS FROM THE CONSTRUCTION AREAS. THESE CONTAINERS MUST BE DAMP-WIPED CLEANED AND FREE OF VISIBLE DUST/DEBRIS BEFORE LEAVING THE CONTAINED WORK AREA.
9. INSTALL A STICKY (DUST COLLECTION) MAT AT ENTRANCE OF CONTAINED WORK AREA BASED ON FACILITY POLICY. STICKY MATS MUST BE CHANGED ROUTINELY AND WHEN VISIBLY SOILED. MAINTAIN CLEAN SURROUNDINGS WHEN AREA IS NOT CONTAINED BY DAMP MOPPING OR HEPA VACUUMING SURFACES AT LEAST DAILY.
10. MAINTAIN CLEAN SURROUNDINGS WHEN AREA IS NOT CONTAINED BY DAMP MOPPING OR HEPA VACUUMING SURFACES AT LEAST DAILY.

LEVEL III:
1. ENSURE AVAILABILITY OF EQUIPMENT FOR CLEANING HANDS.
2. CONSTRUCT AND COMPLETE CRITICAL BARRIERS MEETING NFPA 241 REQUIREMENTS. BARRIERS MUST EXTEND TO THE CEILING OR IF CEILING TILE IS REMOVED, TO THE DECK ABOVE.
3. ALL (PLASTIC OR HARD) BARRIER CONSTRUCTION ACTIVITIES MUST BE COMPLETED IN A MANNER THAT PREVENTS DUST RELEASE. PLASTIC BARRIERS MUST BE EFFECTIVELY AFFIXED TO FLOOR AND CEILING (OR FLOOR/ROOF DECK ABOVE) AND SECURE FROM MOVEMENT OR DAMAGE.
4. SEAL ALL PENETRATIONS IN CONTAINMENT BARRIERS, INCLUDING FLOORS AND CEILING, USING APPROVED MATERIALS (UL SCHEDULE FIRESTOP IF APPLICABLE FOR BARRIER TYPE).
5. MAINTAIN .01 INCHES/WATER GAUGE NEGATIVE PRESSURIZATION OF THE ENTIRE WORKSPACE BY USE OF HEPA EXHAUST AIR SYSTEMS DIRECTED OUTDOORS. THESE CONTROL MEASURES MUST BE MAINTAINED CONTINUOUSLY 24/7 FOR THE DURATION OF THE PROJECT. HEPA FILTERED EXHAUST IF DISCHARGED DIRECTLY TO THE OUTDOORS MUST BE AT A DISTANCES OF 25 FEET OR GREATER FROM ENTRANCES, AIR INTAKES, AND OPERABLE WINDOWS. EXHAUSTING DISCHARGED AIR INTO SHARED OR RECIRCULATING HVAC SYSTEMS, OR OTHER SHARED EXHAUST SYSTEMS (E.G. BATHROOM EXHAUST) IS PROHIBITED.

LEVEL IV: ALL CONTROL MEASURES IN LEVELS I, II, AND III AND THE FOLLOWING:
1. BARRIERS MUST BE HARD BARRIERS UNLESS TEMPORARY TO INSTALL FINAL BARRIER.
2. CONTAINMENT MUST INCLUDE AN ANTEROOM TO ENSURE PRESSURE CONTROL. ANTEROOM MUST BE LARGE ENOUGH FOR EQUIPMENT STAGING, CART CLEANING, WORKER'S PPE AND CLEANING.
3. WORKER CLOTHING AND/OR PPE MUST BE REMOVED OR CLEAN AND FREE OF VISIBLE DUST BEFORE LEAVING THE WORK ROOM ANTEROOM. HEPA VACUUMING OF CLOTHING OR USE OF COVER SUITS IS ACCEPTABLE.
4. WORKERS MUST WEAR SHOE COVERS OR HAVE A METHOD TO CLEAN SHOES IN ANTEROOM. SHOE COVERS MUST BE REMOVED PRIOR TO EXITING THE ANTEROOM TO THE OCCUPIED SPACE (NON-WORK AREA). DAMAGED SHOE COVERS MUST BE CHANGED IMMEDIATELY.

UPON COMPLETION OF PROJECT

CONSTRUCTION AREAS MUST BE INSPECTED BY AN INFECTION PREVENTIONIST OR DESIGNEE AND ENGINEERING REPRESENTATIVE FOR FINAL ACTIVITY/PROJECT CLOSE OUT AND REMOVAL OF INFECTION PREVENTION AND CONTROL MEASURES.

WORK AREA CLEANING:
1. CLEAN WORK AREAS INCLUDING ALL ENVIRONMENTAL SURFACES, HIGH HORIZONTAL SURFACES AND FLOORING MATERIALS.
2. CHECK ALL SUPPLY AND RETURN AIR REGISTERS FOR DUST ACCUMULATION ON UPPER SURFACES AS WELL AS AIR DIFFUSER SURFACES.

REMOVAL OF CRITICAL BARRIERS:
1. CRITICAL BARRIERS MUST REMAIN IN PLACE DURING ALL WORK INVOLVING DRYWALL REMOVAL, CREATION OF DUST AND ACTIVITIES BEYOND SIMPLE TOUCH-UP WORK. THE BARRIER MAY NOT BE REMOVED UNTIL A WORK AREA CLEANING HAS BEEN PERFORMED, ADDITIONAL CLEANING MAY BE NEEDED AFTER REMOVAL OF BARRIER.
2. ALL (PLASTIC OR HARD) BARRIER REMOVAL ACTIVITIES MUST BE COMPLETED IN A MANNER THAT PREVENTS DUST RELEASE. USE THE FOLLOWING PRECAUTIONS WHEN REMOVING HARD BARRIERS:
   - A. CAREFULLY REMOVE SCREWS AND PAINTER TAPE.
   - B. IF DUST WILL BE GENERATED DURING SCREW REMOVAL, USE HAND-HELD HEPA VACUUM.
   - C. DRYWALL CUTTING IS PROHIBITED DURING REMOVAL PROCESS.
   - D. CLEAN ALL STUD TRACKS WITH HEPA VACUUM BEFORE REMOVING OUTER HARD BARRIER.
   - E. USE A PLASTIC BARRIER TO ENCLOSE AREA IF DUST COULD BE GENERATED.

NEGATIVE AIR REQUIREMENTS:
1. THE USE OF NEGATIVE AIR MUST BE DESIGNED TO REMOVE CONTAMINATES FROM THE WORK AREA.
2. NEGATIVE AIR DEVICES MUST REMAIN OPERATIONAL AT ALL TIMES AND IN PLACE FOR A PERIOD AFTER COMPLETION OF DUST CREATING ACTIVITIES TO REMOVE CONTAMINANTS FROM THE WORK AREA AND BEFORE REMOVAL OF CRITICAL BARRIERS.
3. MAINTAIN MINIMUM NEGATIVE AIR PRESSURE, 0.01 INCHES OF WATER GAUGE WITHIN WORK SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS AND CONTINUOUSLY MONITORED WITH A DIGITAL DISPLAY, RECORDING AND ALARM INSTRUMENT, WHICH MUST BE CALIBRATED ON INSTALLATION, MAINTAINED WITH PERIODIC CALIBRATION, AND MONITORED.
4. UTILIZE A DIGITAL DIFFERENTIAL PRESSURE MONITOR TIED INTO THE BUILDING MANAGEMENT SYSTEM.

HVAC SYSTEMS:
1. UPON REMOVAL OF CRITICAL BARRIERS, REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.
2. VERIFY THAT HVAC SYSTEMS ARE CLEAN AND OPERATIONAL.
3. VERIFY THE HVAC SYSTEMS MEETS ORIGINAL AIRFLOW AND AIR EXCHANGE DESIGN SPECIFICATIONS.

WATER SYSTEMS:
1. UNTIL THE POTABLE WATER SYSTEM IS ACTIVATED AND IN USE, FLUSHING SHALL CONTINUE AT LEAST TWICE PER WEEK IN ACCORDANCE WITH VHA DIRECTIVE 1061.

FIRE AND SAFETY NOTES

1. MAINTAINING THE INTEGRITY OF THE FIRE AND SAFETY SYSTEMS IN PLACE IN THE MEDICAL CENTER AND ALL OF ITS OUT BUILDINGS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. IN ADDITION TO ALL MEDICAL CENTER POLICIES, ALL NATIONAL STATE AND LOCAL CODES AND ORDINANCES SHALL APPLY TO ALL OF THEIR CONTRACTORS AND SUB CONTRACTORS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL PERTINENT OSHA SAFETY REQUIREMENTS.
4. PROVIDE LOCKOUT- TAGOUT AND CONFINED SPACE ENTRY POLICIES AS APPLICABLE AND AS REQUIRED BY OSHA. THESE POLICIES SHALL BE SUBMITTED FOR PRIOR APPROVAL BY THE SAFETY OFFICER/ COR.
5. SUBMIT APPROPRIATE INTERIM LIFE SAFETY MEASURES. REFER TO SPECIFICATION FOR MORE INFORMATION
6. CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS OF NON-COMBUSTIBLE MATERIALS WHICH PROVIDE A SMOKE TIGHT SERRATION BETWEEN THE CONSTRUCTION AREAS AND ALL OTHER OCCUPIED AREAS. MAINTAIN INTEGRITY OF THE ENCLOSURE DURING THE CONSTRUCTION. REFER TO SPECIFICATIONS.
7. EXISTING FIRE PROTECTION SYSTEMS, INCLUDING FIRE ALARM SYSTEMS, SMOKE DETECTION SYSTEMS, AND SPRINKLER SYSTEMS SHALL NOT BE IMPAIRED DURING CONSTRUCTION. SMOKE DETECTOR DISABLE REQUESTS: OUTAGE REQUESTS TO BE SUBMITTED TO FM ENGINEER OR COR FOR APPROVAL FOR SPECIFIC DATE AND TIME. ALARMS WILL ONLY BE TURNED OFF FOR SPECIFIC SHIFTS REQUESTED AND WHEN CONTRACTORS ARE IN THE CONSTRUCTION AREA. ALARMS WILL BE RESTORED AT THE END OF THE WORK DAY BY CALLING THE SAME EXTENSION. AT NO TIME WILL ALARMS REMAIN OFF OVERNIGHT. SMOKE DETECTORS AND OR SPRINKLERS HEADS DO NOT COVER BY BAGS, TAPE, AND PLASTIC OR IN ANY OTHER MANNER THAT WILL DEFEAT THEIR ABILITY TO SENSE SMOKE OR HEAT AND OPERATE AS DESIGNED.
8. DAILY ACCUMULATIONS OF TRASH, COMBUSTIBLES MATERIALS, PACKAGING AND DEBRIS SHALL BE REMOVED FROM THE CONSTRUCTION AREA ON A DAILY BASIS. FLAMMABLE MATERIALS MAY BE STORED ON SITE IN AN APPROVED AND APPROPRIATELY MARKED FLAMMABLE MATERIALS CABINET
9. AT ALL TIMES DURING CONSTRUCTION ONE OF THE THREE FOLLOWING CONDITIONS SHALL BE TRUE. (1) FIRE SUPPRESSION SYSTEM/SPRINKLERS SHALL BE ACTIVE. (2) FIRE DETECTION/ALARM SYSTEM SHALL BE ACTIVE. (3) A FIRE WATCH SHALL BE IN EFFECT.
10. THE CHOICE OF USING RATED TEMPORARY CONSTRUCTION BARRIERS AND MAINTAINING SPRINKLER PROTECTION THROUGH THE INSTALLATION OF TEMPORARY UPRIGHT SPRINKLERS SHALL BE VERIFIED WITH THE VA COR.

INFECTION CONTROL PROJECT INFORMATION

CONSTRUCTION ACTIVITY - FIRE RISK: D

PATIENT RISK GROUP: HIGH

CLASS OF PRECAUTION MATRIX: IV

INFECTION CONTROL GENERAL NOTES

1. REFER TO LIST OF REQUIRED INFECTION CONTROL PRECAUTIONS OUTLINED BY CLASS IN SPECIFICATIONS FOR MORE INFORMATION. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION AND PHASING.

2. THE INTENT OF IC ISOLATION IS TO PROTECT PATIENTS WITH LOW IMMUNE LEVELS, THEREFORE, CONTRACTOR SHALL ENSURE THEIR IC BARRIERS CONTAIN DUST AND PARTICULATE MATTER TO THE CONSTRUCTION AREA.

3. PROVIDE NEGATIVE AIR ISOLATION MONITORS/MACHINES AT 2000 CFM (MIN.); (MINIMUM (1) ONE IN AREAS LESS THAN 1000 SF, (2) TWO MINIMUM IN AREAS BETWEEN 1000 SF AND 5000 SF, (3) THREE FOR AREAS BETWEEN 5000 SF AND 10000 SF, AND (4) FOR AREAS BETWEEN 10000 SF AND 15000 SF. DURING CLASS III OR CLASS IV CONSTRUCTION OPERATIONS THAT LAST THREE DAYS OR MORE. EACH AREA TO BE UNDER NEGATIVE PRESSURE (0.02' WC) DURING THESE CONSTRUCTION OPERATIONS. MONITOR AND DOCUMENT AS DIRECTED BY THE COR.

4. COORDINATE LOCATION OF TEMPORARY INFECTION CONTROL (IC) BARRIER WALL CONSTRUCTION AND INFECTION CONTROL (IC) MEASURES WITH COR AND PATIENT SAFETY/ INFECTION CONTROL REPRESENTATIVE. TEMPORARY IC BARRIER WALL CONSTRUCTION LOCATIONS IN DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE DRAWING TO COR AND PATIENT SAFETY/ INFECTION CONTROL REPRESENTATIVE ONCE ICRA PROTOCOLS AND PLAN IS APPROVED. CONSTRUCT I.C. CONSTRUCTION BARRIER FROM FLOOR TO DECK/FLOOR ABOVE.

5. EXIT/ACCESS FOR ADJACENT OPERATIONAL AREAS SHALL BE MAINTAINED AT ALL TIMES.

6. PROVIDE THE FOLLOWING INFECTION CONTROL MEASURES, A 24"X36" STICKY WALK OFF MAT AT THE ENTRY (OUTSIDE OF CONTAINMENT) AND EXIT (INSIDE OF CONTAINMENT), AND HAND SANITIZER AT EACH TEMPORARY DOOR LOCATION. MAT SHALL BE REPLACED TO MEET MANUFACTURER'S RECOMMENDATIONS. VERIFY REPLACEMENT SCHEDULE WITH HOSPITAL'S INFECTION CONTROL MANAGEMENT PERSONNEL.

7. PROVIDE OSHA REQUIRED TEMPORARY SIGNAGE AT EACH TEMPORARY DOOR LOCATION.

8. CONTRACTOR SHALL SUPPLY SPILL KIT. SPILL KIT TO INCLUDE SHOP VAC. MULTI-PURPOSE SPILL CONTROL SORBENTS TO ABSORB NON AGGRESSIVE LIQUIDS UP TO 30 GALLONS.

9. ALL NEW MATERIAL MOVED THROUGH THE FACILITY SHALL BE COVERED WITH 4 MIL. POLY SHEET.

10. ALL DEMOLITION MATERIAL SHALL BE REMOVED FROM THE PROJECT BOUNDARY THROUGH THE FACILITY TO DUMPSTER ALONG APPROVED ROUTE IN ENCLOSED DUMPSTER CART DESIGNED FOR SUCH PURPOSED WITH A LID.

11. ALL MATERIAL, DEBRIS AND HAZARDOUS MATERIALS SHALL BE PROPERLY STORED IN DESIGNATED AREAS AND APPROVED CONTAINERS. FLAMMABLE MATERIALS SHALL NOT BE STORED IN THE FACILITY.

12. PROVIDE HEPA FILTERED CONTAINMENT CART FOR ABOVE CEILING ACCESS OUTSIDE PROJECT BOUNDARY.

13. PROVIDE HEPA FILTERED NEGATIVE AIR MACHINES WHEN REQUIRED. THE CONTRACTOR SHALL PROVIDE ENOUGH MACHINES TO COMPLETELY EXCHANGE THE SPACE TO MAINTAIN 0.02' HG. A NEGATIVE AIR MONITOR SHALL BE PROVIDED AND VISIBLE FROM EXTERIOR OF CONTAINMENT TO ENSURE COMPLIANCE.

14. CORRIDOR REDUCTION TO ALLOW FOR CONSTRUCTION OF A CONTAINMENT IS POSSIBLE, YET MUST MAINTAIN A MINIMUM OF 5 FEET FOR HOSPITAL CIRCULATION, REVIEWED WITH HOSPITAL SAFETY AND INFECTION PREVENTION AND HAVE A POSTED ILSM, AS NEEDED.

15. PRIOR TO ANY REMOVAL OF SMOKE BARRIER FIRE RATED WALLS, CONSTRUCT NEW SMOKE BARRIER/APPROPRIATE FIRE RATED WALLS PER NEW PLANS OR CONSTRUCT INFECTION CONTROL BARRIER TO ACT AS SMOKE BARRIER.

PHASING GENERAL NOTES

1. PROJECT AREAS TO BE OCCUPIED BY STAFF AND PATIENTS THROUGHOUT CONSTRUCTION.
2. REFER TO SPECIFICATIONS FOR INFORMATION ON WORK DURATION FOR EACH PHASE AND AREA OF WORK.

INFECTION CONTROL RISK ASSESSMENT NOTES

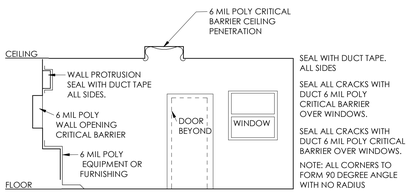
1. REFER TO 01 35 26 SAFETY REQUIREMENTS FOR ADDITIONAL INFORMATION.
2. CONSTRUCT ICRA BARRIER PRIOR TO ANY DEMOLITION WORK.
3. THE INTENT OF INFECTION CONTROL ISOLATION IS TO CONTAIN DUST AND PARTICULATE MATTER FROM THE CONSTRUCTION AREA. PERIMETER TO BE SEALED COMPLETELY WITH SHEET PLASTIC WHEN NO TEMPORARY PARTITION IS CALLED OUT.
4. CONTROL BARRIERS TO BE INSTALLED AND REMOVED ONLY DURING WORKING HOURS. (8:00 AM - 5:00PM)
5. LIFE SAFETY EGRESS IS TO BE MAINTAINED AT ALL TIMES.
6. EXACT TEMPORARY WALL PARTITION LAYOUT AND DIMENSIONS TO BE REVIEWED AT THE CONSTRUCTION SITE WITH COR FOR APPROVAL.

SECURITY NOTES

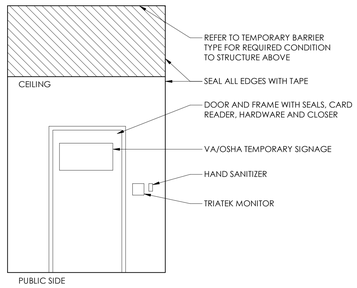
1. NO TOOLS OR EQUIPMENT TO BE LEFT UNATTENDED
2. CONTRACTOR TO PROVIDE TEMPORARY SECURITY WALLS IN HIGH SECURITY AREAS.
3. CONTRACTOR IDENTIFICATION TO BE DISPLAYED AT ALL TIMES ON PERSON.
4. TOOLS AND EQUIPMENT NOT NEEDED FOR TASKS AT HAND TO BE STORED OFF SITE.

GENERAL CONSTRUCTION NOTES

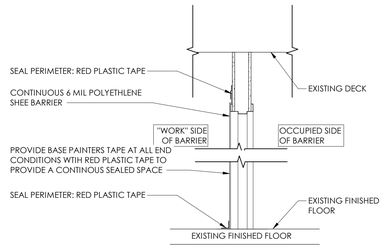
1. PATCH AND REPAIR ALL AREAS AFFECTED BY DEMO AND / OR CONSTRUCTION TO MATCH EXISTING. PATCHED AREAS ARE TO RECEIVE FINISHES AND TRIM TO MATCH ADJACENT AREA, EXCEPT AS NOTED IN THE ROOM FINISH SCHEDULE. PATCH CEILINGS AND FLOORS TO ACHIEVE A CONTINUOUS FINISHED APPEARANCE.
2. ALL EQUIPMENT TO BE DISCONNECTED AND REMOVED BY CONTRACTOR. OWNER TO BE NOTIFIED WHEN EQUIPMENT IS AVAILABLE AND BE GIVEN THE OPTION TO TAKE POSSESSION OF ALL EQUIPMENT. CONTRACTOR TO DISPOSE OF ALL EQUIPMENT THE OWNER DOES NOT WANT AND REMOVE ALL ITEMS WITH EXTREME CARE.
3. REMOVE, RELOCATE, STORE AND REINSTALL PORTABLE EQUIPMENT, FURNITURE, SHELVES, CURTAIN RODS, DRAPERY, BULLETIN BOARDS, WHICH WOULD INTERFERE WITH DEMOLITION WORK.
4. REFER TO SPECIFICATIONS FOR SHORING REQUIREMENTS WHERE DEMOLITION WORK AFFECTS THE STRUCTURAL INTEGRITY OF WALLS OR FLOORS. IF NOT SO INDICATED IN SPECIFICATIONS, CONTRACTOR SHALL SUBMIT SHORING PLAN AND SHOP DRAWINGS SIGNED BY AN ENGINEER FOR VA APPROVAL. ALL SHORING IS CONTRACTOR'S RESPONSIBILITY.
5. PROTECT ALL EXISTING SURFACES FROM DAMAGE. ANY DAMAGE SURFACES SHALL BE REPLACED TO MATCH ORIGINAL ITEM OR REPAIRED THIS CONTRACTOR FROM PERFORMING THE WORK REQUIRED UNDER THE CONTRACT.
6. VERIFY EXISTING CONDITIONS AND LOCATIONS IN FIELD PRIOR TO SUBMITTING PROPOSAL. FAILURE TO DO SO SHALL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK REQUIRED UNDER THIS CONTACT.
7. ALL SUB-CONTRACTORS ARE ENCOURAGED TO VISIT AND ATTEND A PRE-BID WALK THRU TO INSPECT THE EXISTING AREA AND THOROUGHLY FAMILIARIZE THEMSELVES WITH THE ACTUAL JOB CONDITIONS BEFORE SUBMITTING BID.
8. WHILE THE SIZE AND LOCATION OF NEW WORK AND EQUIPMENT IN THE EXISTING AREA HAS BEEN INDICATED ON THE DRAWINGS AS ACCURATELY AS POSSIBLE, CONTRACTOR SHALL ADJUST HIS WORK AS REQUIRED TO AVOID EXISTING UTILITIES, GAS LINES, SEWER, FIRE ALARM, ROOF DRAINS, ACCESS COVERS, AND OTHER STRUCTURES NOT PARTICULARLY SHOWN ON THE PLAN AT NO ADDITIONAL COST. BEFORE CONSTRUCTION, INSPECT PREMISES MAKE A DETAILES EXAMINATION OF ALL LOCATIONS WHERE NEW WORK IS TO BE INSTALLED. EXAMINE EXISTING PIPING, CONDUITS, STRUCTURAL SUPPORTING BEAMS, AND OTHER CONDITIONS.
9. DISCONNECT AT SOURCE AND REMOVE EXISTING MECHANICAL AND ELECTRICAL MATERIALS AND EQUIPMENT WHICH ARE RENDERED OBSOLETE BY THESE ALTERATIONS AND ADDITIONS. OWNER TO BE GIVEN THE OPTION TO TAKE POSSESSION OF REMOVED EQUIPMENT AND MATERIALS. ANY EQUIPMENT THAT THE OWNER DOES NOT WANT ARE THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE, NO MECHANICAL, ELECTRICAL, PLUMBING EQUIPMENT, ETC. SHALL BE ABANDONED IN PLACE.
10. DISCONNECT, REMOVE AND RELOCATE EXISTING MECHANICAL AND ELECTRICAL MATERIALS AND EQUIPMENT WHICH INTERFERE OR INTERFERED WITH OBSTRUCT OR ARE CONSTRUCTED BY THESE ALTERATIONS AND ADDITIONS. PERMANENTLY INSTALL SUCH ITEMS IN NEW LOCATIONS AS DIRECTED, RECONNECT SUCH ITEMS IN PROPER OPERATING CONDITION AT NEW LOCATIONS.
11. DO NOT INTERFERE WITH EXISTING BUILDING'S MECHANICAL, ELECTRICAL AND SECURITY SYSTEMS OPERATIONS. IF IT IS ABSOLUTELY NECESSARY TO SHUT DOWN FACILITY SYSTEMS AT ANY TIME CONSULT THE COR TO MAKE ARRANGEMENTS TO DO SO ON OFF WORKING HOUR PERIODS AT THE OWNER'S CONVENIENCE. PRIOR NOTICE SHALL BE GIVEN TO THE COR (14) DAYS IN ADVANCE OF THE DESIRED SHUT-DOWN TIME. ANY PREMIUM OR OVERTIME COSTS NECESSARY TO ACCOMPLISH THE ABOVE SHALL BE INCLUDED IN THIS BID.FAILURE TO PROCEED WITHOUT PROPER PRIOR NOTIFICATION MAY RESULT IN THE ASSESSMENT OF A CREDIT TO THE CONTACT.
12. EXISTING FLOOR HEIGHTS, COLUMNS AND FLOOR BEAMS SHOULD BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
13. IN ALL CONSTRUCTION ZONES AND AREAS, CONTRACTOR RESPONSIBLE FOR MAINTAINING AN ACTIVE STROBE SPEAKER SYSTEM AT ALL TIMES TYPICAL FOR ALL CONSTRUCTION ZONES FOR ALL BUILDINGS.
14. COORDINATE WITH THE COR A MINIMUM OF TWO WEEKS IN ADVANCE FOR ANY SHUT DOWN OR OUTAGE THAT WILL AFFECT ONE FLOOR/WING OR SERVICE/DEPARTMENT AT A TIME. OUTAGE MUST BE SUBMISSED IN WRITING TO THE COR AND APPROVED IN WRITING.
15. COORDINATE WITH THE COR A MINIMUM OF FOUR WEEKS IN ADVANCE FOR ANY SHUT DOWN OR OUTAGE THAT WILL AFFECT MULTIPLE FLOORS WITHIN THE BUILDING. OUTAGE MUST BE SUBMITTED IN WRITING TO THE COR AND APPROVED IN WRITING.



3 GC-001 CRITICAL BARRIER PREP INSTALLATION
SCALE: 1/4" = 1'-0"



2 GC-001 CRITICAL BARRIER PREP INSTALLATION - PUBLIC SIDE
SCALE: 3/8" = 1'-0"



1 GC-001 T1 - TEMPORARY WALL PARTITION
SCALE: 3/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: INFECTION CONTROL GENERAL INFORMATION

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: JK | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: GC-001

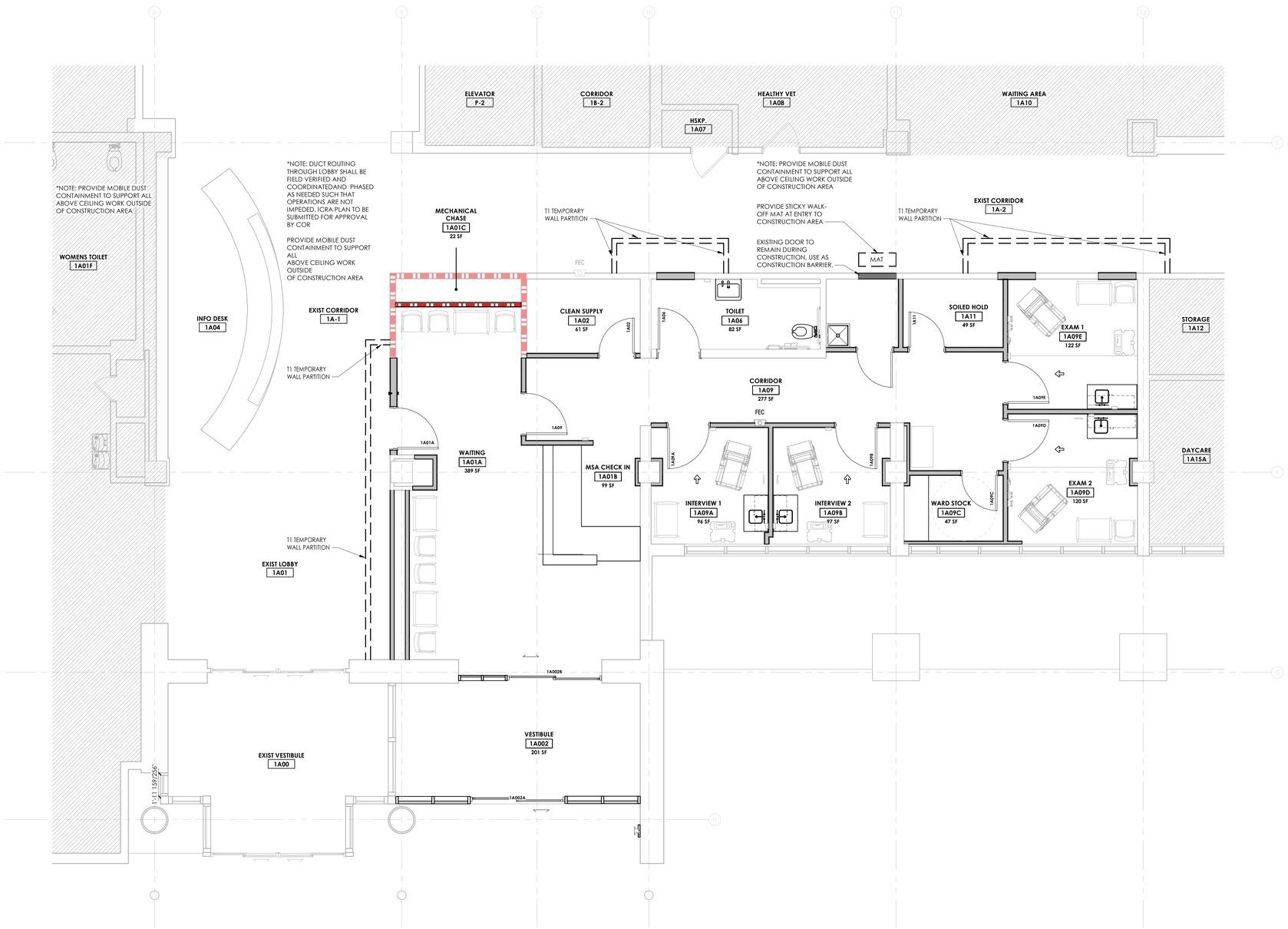
DWG. 4 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



NORTH

FIRST FLOOR INFECTION CONTROL PLAN
SCALE: 1/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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DRAWING TITLE:
FIRST FLOOR INFECTION CONTROL PLAN

APPROVED:

PROJECT TITLE:
DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

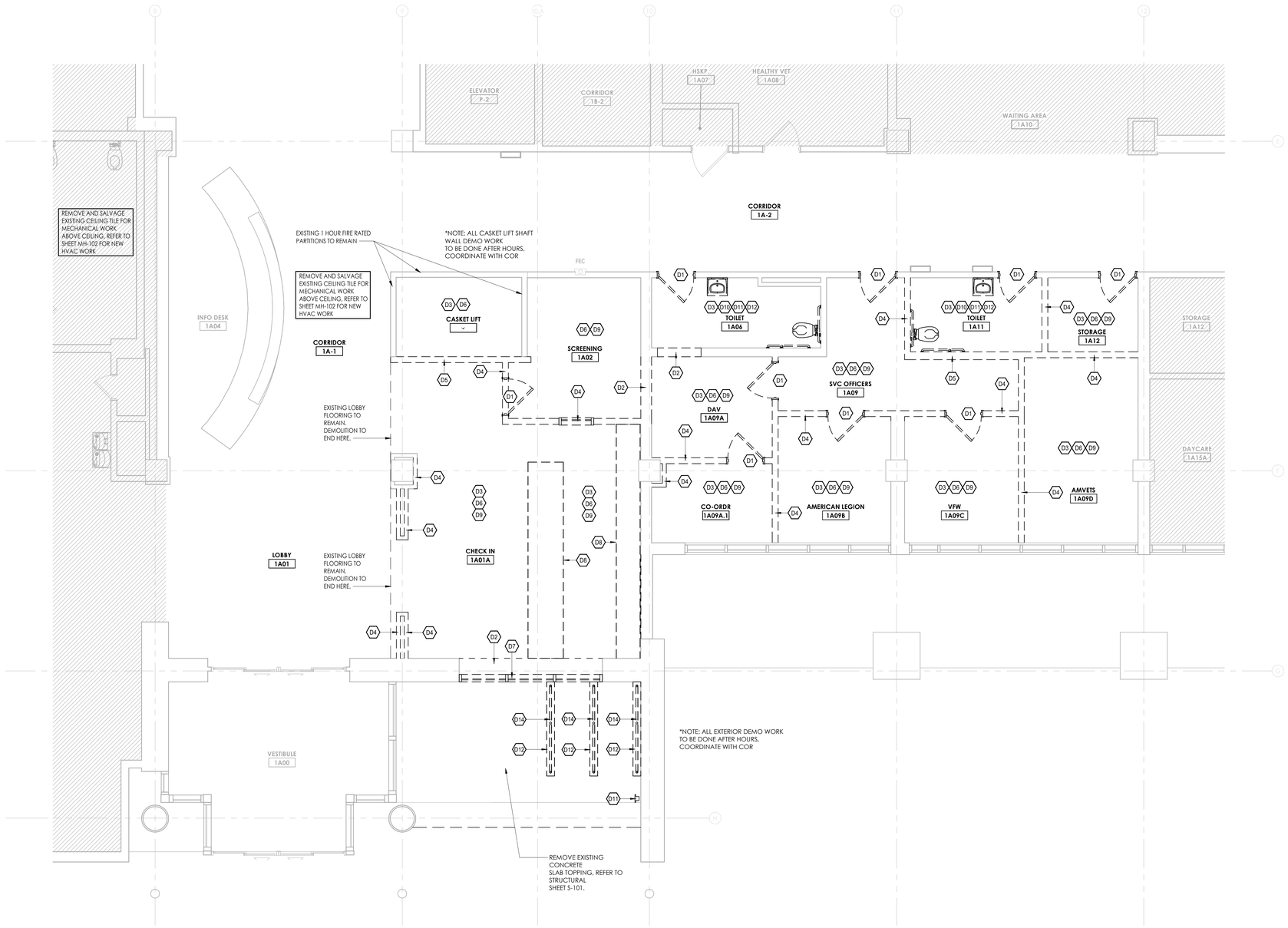
DATE: APRIL 7, 2026
CHECKED: JK
DRAWN: AL

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: GC-101
DWG. 5 OF 65

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



NORTH

FIRST FLOOR DEMOLITION PLAN

SCALE: 1/4" = 1'-0"

DEMOLITION PLAN LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- WALL TO BE DEMOLISHED
- DOOR TO BE DEMOLISHED
- AREAS OF EXISTING SUSPENDED ACOUSTIC TILE TO BE REWORKED DUE TO NEW CONSTRUCTION
- AREA NOT IN SCOPE

GENERAL DEMO NOTES

1. ALL DEMOLITION WORK REQUIRED IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLANS. THE INTENT IS TO REMOVE ALL MATERIALS AND ITEMS AS REQUIRED TO FACILITATE NEW CONSTRUCTION.
2. CONTRACTORS ARE TO VERIFY FIELD CONDITIONS. IF CONDITIONS DO NOT REFLECT WHAT IS NOTED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT.
3. THIS PLAN IS TO BE USED IN CONJUNCTION WITH THE ENTIRE SET OF CONSTRUCTION DOCUMENTS. DO NOT REMOVE ANY ITEMS WITHOUT VERIFYING AND COORDINATING WITH ALL GENERAL TRADES AS TO HOW THEY RELATE TO THE OVERALL PROJECT.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DUMPSTERS. LOCATION OF DUMPSTERS TO BE DETERMINED BY OWNER WITH CONTRACTORS INPUT.
5. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEMOLISHED MATERIALS. DO NOT ALLOW MATERIALS AND DEBRIS GENERATED BY DEMOLITION ACTIVITIES TO ACCUMULATE ON THE JOBSITE. REMOVE DAILY AND DISPOSE OF IN A LEGAL MANNER. NO ONSITE SALE OR BURNING OF REMOVED ITEMS IS PERMITTED.
6. CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE PUBLIC AND/OR WORKERS ON THE SITE TO PREVENT ACCIDENTS OR INJURY TO ANY PERSON ON, ABOUT OR ADJACENT TO THE PREMISES. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, CODES AND REGULATIONS PERTAINING TO SAFETY AND THE PREVENTION OF ACCIDENTS.
7. CONTRACTOR MUST MAINTAIN ADEQUATE SUPPORT, INSULATION, WATERPROOFING, EMERGENCY LIGHTING, SECURITY, ALARMS, ETC. FOR ALL OR PART OF ITEMS WHICH ARE TO REMAIN.
8. OWNER RESERVES THE RIGHT TO ANY REMOVED MATERIALS OR ITEMS. CONTRACTOR TO COORDINATE WITH OWNER.
9. DO NOT CUT AND/OR PATCH STRUCTURAL ELEMENTS IN ANY MANNER.
10. PATCH/REPAIR OR REPLACE ALL AREAS DAMAGED BY DEMOLITION. PREPARE FOR NEW CONSTRUCTION AS REQUIRED. BRICK OR BLOCK PATCHING SHALL BE TOOTHED-IN TO MATCH EXISTING COURSING PATTERN, U.N.O.
11. WHERE WALLS AND CEILINGS ARE TO BE REMOVED, ALL ITEMS THAT FALL WITHIN THOSE WALLS AND/OR CEILINGS ARE TO BE REMOVED OR REROUTED. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION NOT SHOWN ON THIS SHEET.
12. CONSTRUCTION AREAS TO BE COMPLETELY SEPARATED FROM OCCUPIED AREAS WITH A ONE-HOUR FIRE RATED ASSEMBLY, AND WITH SUITABLE DUST BARRIER, TEMPORARILY SEAL OFF ALL RETURN & SUPPLY AIR DIFFUSERS IN CONSTRUCTION AREA. MAINTAIN NEGATIVE AIR PRESSURE WITHIN CONSTRUCTION ZONE. NEGATIVE PRESSURE MUST BE MAINTAINED AT .01 INCHES/WATER GAUGE.
13. IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION, CONTRACTOR SHALL CONTACT OWNER FOR ABATEMENT.
14. REMOVE, REPLACE, PATCH, AND REPAIR MATERIALS AND SURFACES CUT OR DAMAGED DURING DEMOLITION, BY METHODS AND WITH MATERIALS SO AS NOT TO VOID EXISTING WARRANTIES.
15. CLEAN AREAS AND SPACES WHERE CUTTING AND PATCHING ARE PERFORMED.
16. INTERIOR WALLS TO BE REMOVED SHALL BE REMOVED THE ENTIRE HEIGHT OF THE WALL UNLESS REQUIRED/NOTED OTHERWISE AS NEW OPENINGS IN EXISTING WALLS TO REMAIN.
17. CONTRACTOR SHALL PATCH, REPAIR, AND INFILL ALL APPLIED FIREPROOFING MATERIAL IN AREAS LEFT UNPROTECTED DUE TO REMOVAL OF EXISTING ELEMENTS OR AREAS DAMAGED DURING NEW WORK AND DEMOLITION. MATCH EXISTING FIREPROOFING MATERIAL TYPE AND THICKNESS TO MAINTAIN EXISTING LEVEL OF PROTECTION.
18. REFER TO ACM SURVEY REPORT FOR FURTHER INFORMATION AND ITEMS TO BE REMOVED BY CONTRACTOR.

DEMOLITION KEYNOTES

- D1 REMOVE AND DISPOSE OF EXISTING DOOR AND FRAME AND ALL ASSOCIATED APPURTENANCES. PREP OPENING FOR NEW WORK.
- D2 REMOVE AND DISPOSE OF PORTION OF EXISTING CMU WALL FOR NEW OPENING. SEE FLOOR PLAN/DOOR SCHEDULE FOR MORE INFORMATION.
- D3 REMOVE AND DISPOSE OF ALL GYP. BD. AND EXISTING FINISHES. EXISTING EXTERIOR METAL STUDS TO REMAIN. PATCH AND REPAIR ADJACENT FINISHES AS REQUIRED FOR INSTALLATION OF NEW WORK. REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION.
- D4 REMOVE AND DISPOSE OF EXISTING GYPSUM BOARD AND METAL STUD WALL COMPLETE FULL HEIGHT. REMOVE ALL ITEMS ATTACHED TO THE WALLS. REFER TO MEP DRAWINGS FOR FURTHER DEMOLITION.
- D5 REMOVE AND DISPOSE OF EXISTING CMU WALL IN ITS ENTIRELY. PREP AND PATCH FLOOR AND ADJACENT WALLS FOR INSTALLATION OF NEW. REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION.
- D6 REMOVE AND DISPOSE OF EXISTING ACOUSTICAL CEILING TILE AND GRID SYSTEM COMPLETE INLUDING ALL ASSOCIATED HANGERS. METAL TEE GRID, AND EDGE ANGLES. ALL ITEMS ATTACHED TO THE CEILING INCLUDING CEILING MOUNTED LIGHT FIXTURES, SPEAKERS, CAMERAS, FIRE ALARMS, MECHANICAL DEVICES, SMOKE DETECTORS, SENSORS, WIRELESS ACCESS POINT, EXIT SIGNAGE, SAFETY MIRRORS, ETC. TO BE REMOVED. COORDINATE WITH LOW VOLTAGE DEMO, FIRE PROTECTION DEMO, MECHANICAL DEMO AND ELECTRICAL DEMO DRAWINGS.
- D7 REMOVE AND DISPOSE OF EXISTING STOREFRONT WINDOW SYSTEM IN ITS ENTIRETY. REMOVE CMU BLOCK WALL AS REQUIRED TO INSTALL A NEW DOOR AND WINDOW SYSTEM. PATCH AND PREP ADJACENT FINISHES FOR INSTALLATION OF NEW WORK
- D8 REMOVE AND DISPOSE OF EXISTING CASEWORK AND MILLWORK, AND ALL WALL MOUNTED EQUIPMENT, TYP. IN ENTIRE ROOM. PATCH AND REPAIR FLOOR AND WALLS FOR NEW FINISHES.
- D9 REMOVE AND DISPOSE OF EXISTING WALL BASE, FLOORING AND FLOOR FINISHES INCLUDING ALL ADHESIVE AND SETTING MATERIALS DOWN TO EXISTING CONCRETE SUBSTRATE. PREPARE SUBSTRATE IN PREPARATION FOR NEW FINISH AS REQUIRED TO PROVIDE A SMOOTH AND UNIFORM SURFACE INCLUDING GRINDING OF CONCRETE FLOORS AND NEW SELF LEVELER OVER ENTIRE FLOOR AREA WHERE REQUIRED.
- D10 REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES IN ROOM. SEE MECHANICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
- D11 REMOVE AND DISPOSE OF EXISTING WALL MOUNTED ACCESSORY IN ITS ENTIRETY. PATCH AND PREP WALL FOR INSTALLATION OF NEW WORK.
- D12 REMOVE AND DISPOSE OF PORTION OF EXISTING CONCRETE SLAB. PATCH AND PREP AS REQUIRED FOR INSTALLATION OF WORK.
- D14 REMOVE EXISTING RAILING AND DISPOSE OF PROPERLY.

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STATE OF MICHIGAN — MICHAEL HAWARNY — ARCHITECT — No. 38315312 — LICENSED ARCHITECT — 4/7/2026
Michael Hawarny

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DRAWING TITLE: FIRST FLOOR DEMOLITION PLAN

APPROVED:

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BUILDING NUMBER: 1

DRAWING NUMBER: AD-101

DWG. 6 OF 65

Office of Construction and Facilities Management

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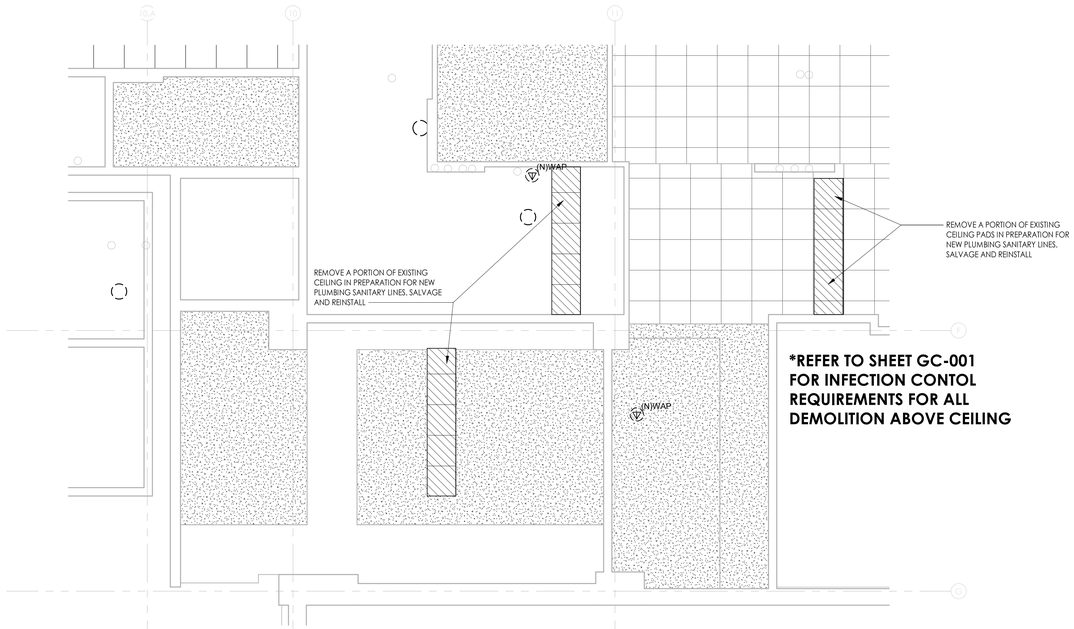
VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

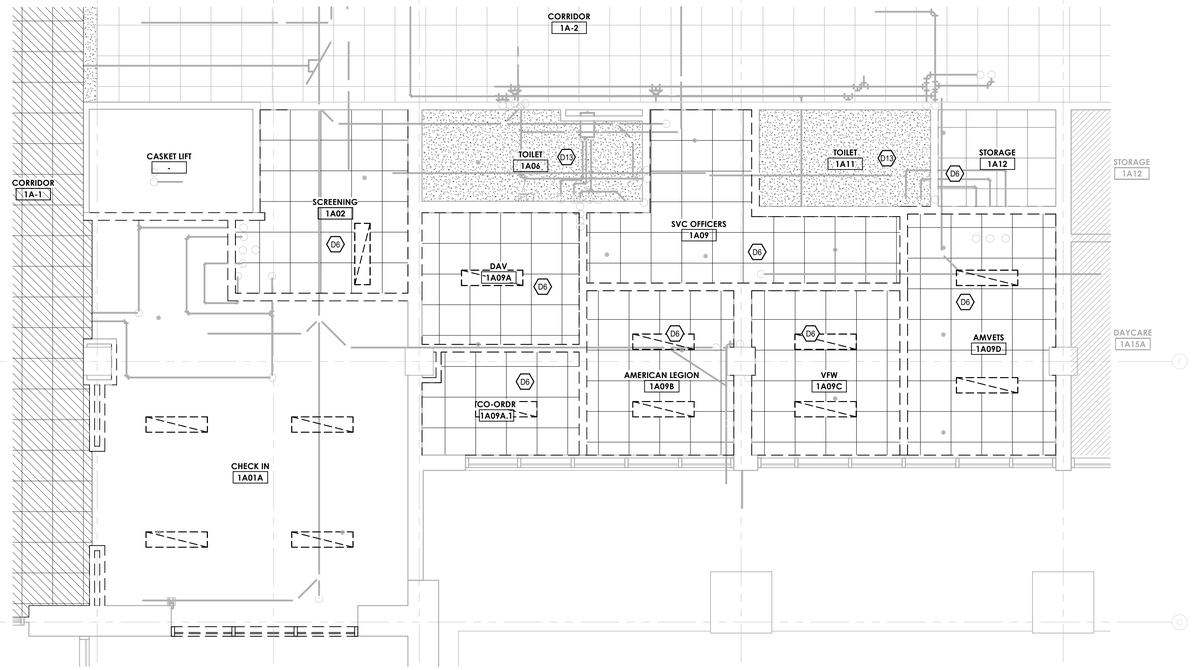


***REFER TO SHEET GC-001 FOR INFECTION CONTOL REQUIREMENTS FOR ALL DEMOLITION ABOVE CEILING**

NORTH

BASEMENT CEILING DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



NORTH

FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN

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DEMOLITION PLAN LEGEND

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18. REFER TO ACM SURVEY REPORT FOR FURTHER INFORMATION AND ITEMS TO BE REMOVED BY CONTRACTOR.

DEMOLITION KEYNOTES

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D13 REMOVE EXISTING GYPSUM BOARD CEILING AND SUPPORT SYSTEM COMPLETE. ALL ITEMS ATTACHED TO THE EXISTING CEILING INCLUDING CEILING MOUNTED LIGHT FIXTURES, SPEAKERS, CAMERAS, FIRE ALARMS, MECHANICAL DEVICES, SMOKE DETECTORS, SENSORS, WIRELESS ACCESS POINT, SIGNAGE, ETC. TO BE REMOVED. COORDINATE WITH FIRE PROTECTION DEMO, MECHANICAL DEMO, AND ELECTRICAL DEMO PLANS. PATCH AND REPAIR EXPOSED SURFACES TO REMAIN AS REQUIRED FOR NEW CONSTRUCTION AND/OR FINISHES.

100% CONSTRUCTION DOCUMENTS	04/07/2026
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DRAWING TITLE: REFLECTED CEILING DEMOLITION PLANS

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

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PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: AD-121

DWG. 7 OF 65

Office of Construction and Facilities Management

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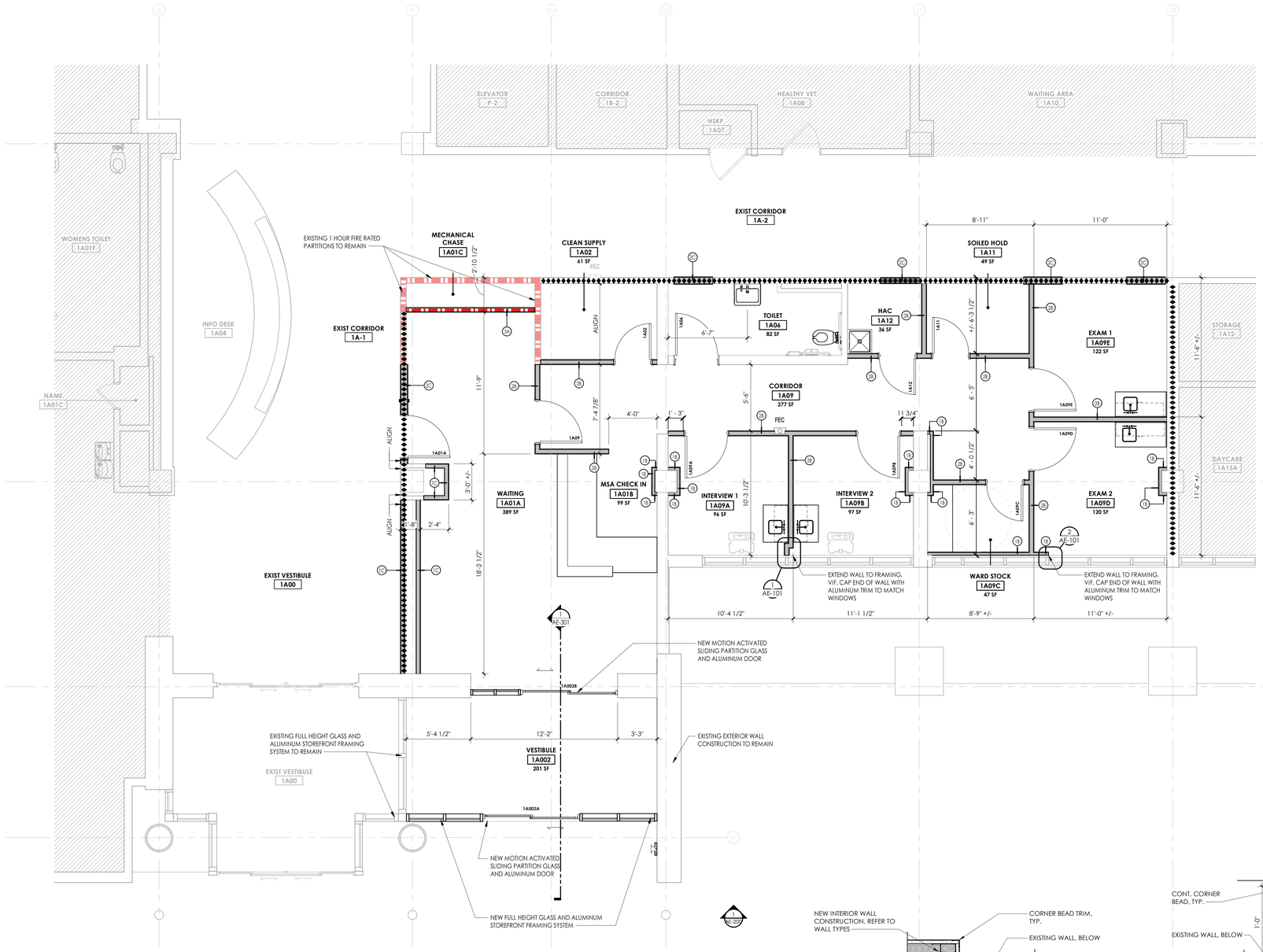
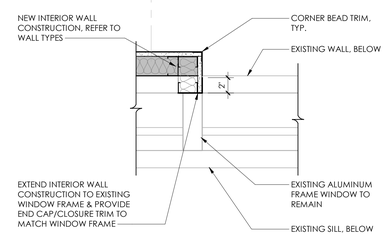
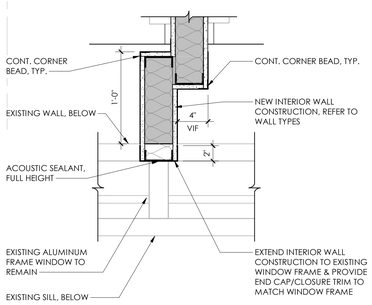
7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 AE-101 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



1 AE-101 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

FLOOR PLAN LEGEND

- EXISTING NON-FIRE RATED WALL
- NEW NON-FIRE RATED WALL
- 1-HOUR FIRE RATED PARTITION
- EXISTING DOOR
- NEW DOOR
- 1-HOUR SMOKE BARRIER - NFPA 101 - 8.3 SMOKE TIGHT CORRIDOR WALL: CONSTRUCTION SHALL BE SMOKE TIGHT. WALL IS NOT RATED. NO DAMPERS OR FIRE STOPPING REQUIRED.
  - SUITE PERIMETER
  - DOORS REQUIRE POSITIVE LATCHING
- AREA NOT IN SCOPE

GENERAL NOTES

1. FLOOR PLANS ARE DIMENSIONED FROM FINISHED FACE TO FINISHED FACE. DIMENSIONS REPRESENT ACTUAL, NOT NOMINAL DIMENSIONS. REFER TO WALL/PARTITION LEGEND FOR MATERIAL CONSTRUCTION.
2. DIMENSIONS FOLLOWED BY "±" SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS' REPRESENTATIVE OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
3. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITIONS, WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS' REPRESENTATIVE OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
4. THIS FLOOR TO BE SEPARATED FROM FLOORS ABOVE & BELOW BY 2-HR FIRE RATED ASSEMBLIES. CONTRACTOR TO FILL GAPS AT EXTERIOR WALLS WITH FIRE CAULK.
5. PROVIDE LARGER FRAMING AS NEEDED TO ENCLOSE PIPES RUNNING ADJACENT TO COLUMNS. FRAMING TO BE AS TIGHT AS POSSIBLE.
6. PROVIDE UL RATED WALLS WHERE SHOWN. REFER TO WALL TYPES FOR WALL CONSTRUCTION.
7. ALL COUNTERTOP OUTSIDE CORNERS TO BE 2" RADIUS UNLESS NOTED OTHERWISE.
8. PROVIDE BLOCKING IN WALLS FOR OWNER PROVIDED EQUIPMENT AS SHOWN ON ENLARGED PLANS AND ON INTERIOR ELEVATIONS. COORDINATE FINAL LOCATIONS WITH OWNER.
9. ALL WALL-BOARD CARRYING PORCELAIN TILE SHALL BE CEMENT BOARD - REFER TO FINISH PLAN.
10. ALL WALLS CARRYING PLUMBING FIXTURES SHALL BE 5/8" MOISTURE RESISTANT TYPE "X" GYP BOARD UNLESS NOTED OTHERWISE.
11. REPLACE ALL EXTERIOR WINDOW SILLS - REFER TO FINISH PLAN.
12. CONTRACTOR SHALL PATCH, REPAIR, AND INFILL ALL APPLIED FIREPROOFING MATERIAL IN AREAS LEFT UNPROTECTED DUE TO REMOVAL OF EXISTING ELEMENTS OR AREAS DAMAGED DURING NEW WORK AND DEMOLITION. MATCH EXISTING FIREPROOFING MATERIAL TYPE AND THICKNESS TO MAINTAIN EXISTING LEVEL OF PROTECTION.
13. ALL OPENINGS WITHIN EXISTING WALLS TO REMAIN SHALL BE FINISHED FLUSH TO ADJACENT WALL FINISHES ON BOTH SIDES OF WALL, TYP

WALL / PARTITION LEGEND

1B	2 1/2" METAL STUDS AT 16" O.C. (MAX.) WITH 5/8" GYPSUM BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED. TYPICAL AT COLUMN ENCLOSURES
1C	3 5/8" METAL STUDS AT 16" O.C. (MAX.) WITH 5/8" GYPSUM BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED
1D	6" METAL STUDS AT 16" O.C. (MAX.) WITH 5/8" GYPSUM BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED
2B	3 5/8" METAL STUDS AT 16" O.C. (MAX.) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. BRACE TO ADJACENT WALLS AS REQUIRED. MIN. 45 STC.
2C	6" METAL STUDS AT 16" O.C. (MAX.) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. BRACE TO ADJACENT WALLS AS REQUIRED. MIN. 45 STC.
3A	4" CH METAL STUDS @ 24" OC W/ 5/8" GYP BOARD ONE SIDE AND 1" GYP BOARD UNER TO STRUCTURE ABOVE, 1 HOUR RATED UL DESIGN NO. U415
2C	GENERIC - Existing 6" Nominal

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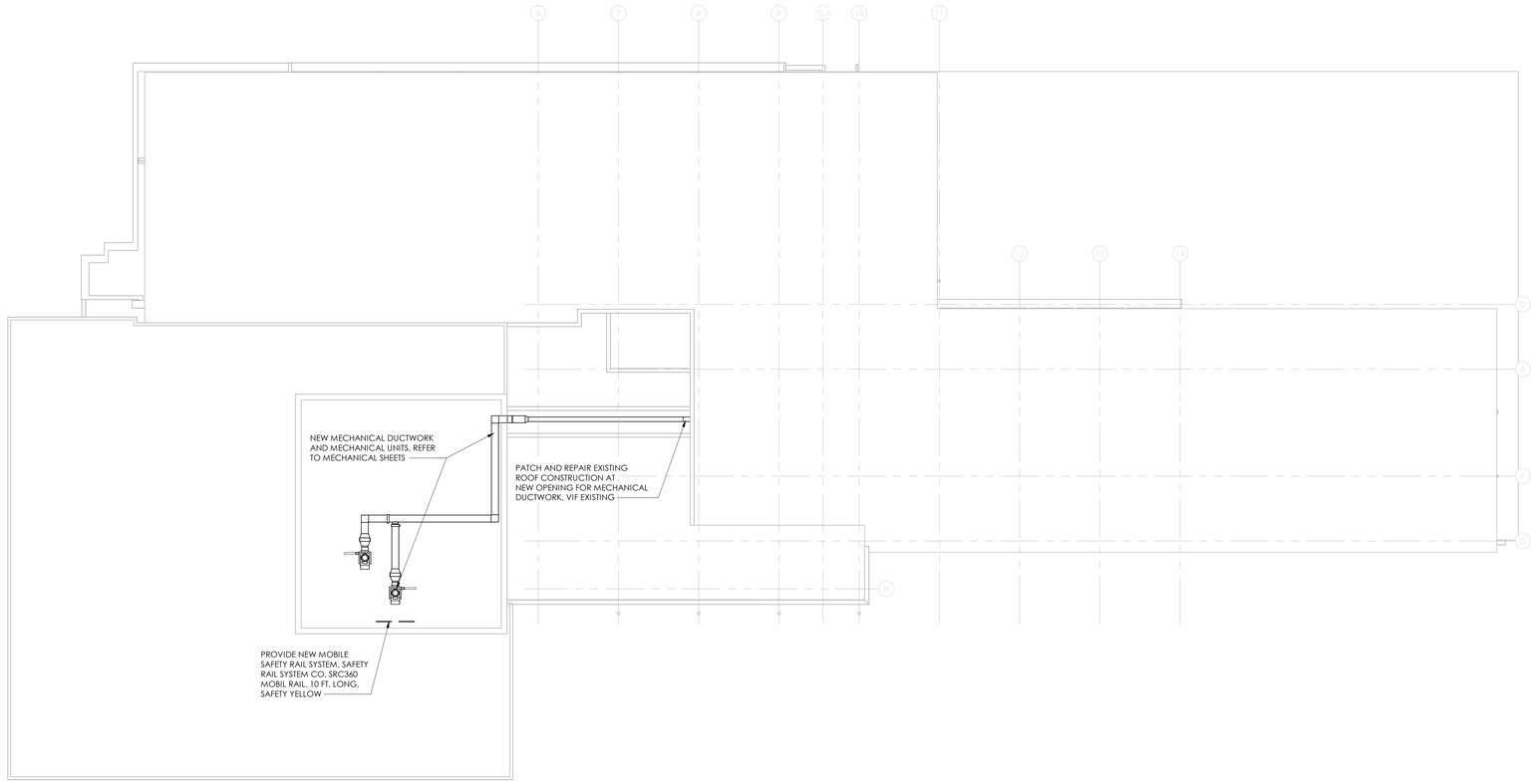
VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



NORTH

ROOF PLAN

SCALE: 1/16" = 1'-0"

ROOF PLAN LEGEND

RD	NEW ROOF DRAIN
OD	OVERFLOW DRAIN
EF	EXISTING EXHAUST FAN (E.F.) OR RELIEF VENT (R.V.) IN ROOF AREA
	INDICATES ROOF PITCH DIRECTION
	RUBBER ROOF WALKWAY TRAFFIC PAD - ADHERE PAD TO ROOF MEMBRANE
	TAPERED INSULATION
	ICE AND WATER SHIELD

GENERAL NOTES - ROOF PLAN

1. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF PLUMBING VENTS. FLASH AS SPECIFIED.
2. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ROOF OPENINGS, IF ANY.
3. TYPICAL ROOF IS (FULLY ADHERED OR MECHANICALLY FASTENED) SINGLE-PLY MEMBRANE ROOFING ON RIGID INSULATION ON METAL DECK OR CONCRETE DECK. (PROVIDE TAPERED INSULATION TO CREATE SLOPES TO DRAINS.)
4. TAPERED INSULATION LAYOUTS ARE SCHEMATIC ONLY. FINAL LAYOUT FOR THE PROPOSED AREA IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. MINIMUM 1/4" PER FOOT SLOPE AT ALL NEW LOW SLOPE ROOF AREAS.
6. MINIMUM 1/8" PER FOOT SLOPE AT ALL EXISTING RE-ROOF LOW SLOPE ROOF AREAS.

100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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ARCHITECT
No. 38315312
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4/7/2026
Michael Hawarny

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DRAWING TITLE: ROOF PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: JK | DRAWN: MR

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: AE-140

DWG. 9 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

one eighth inch = one foot 0 8 16

one quarter inch = one foot 0 4 8

three eighths inch = one foot 0 4 8

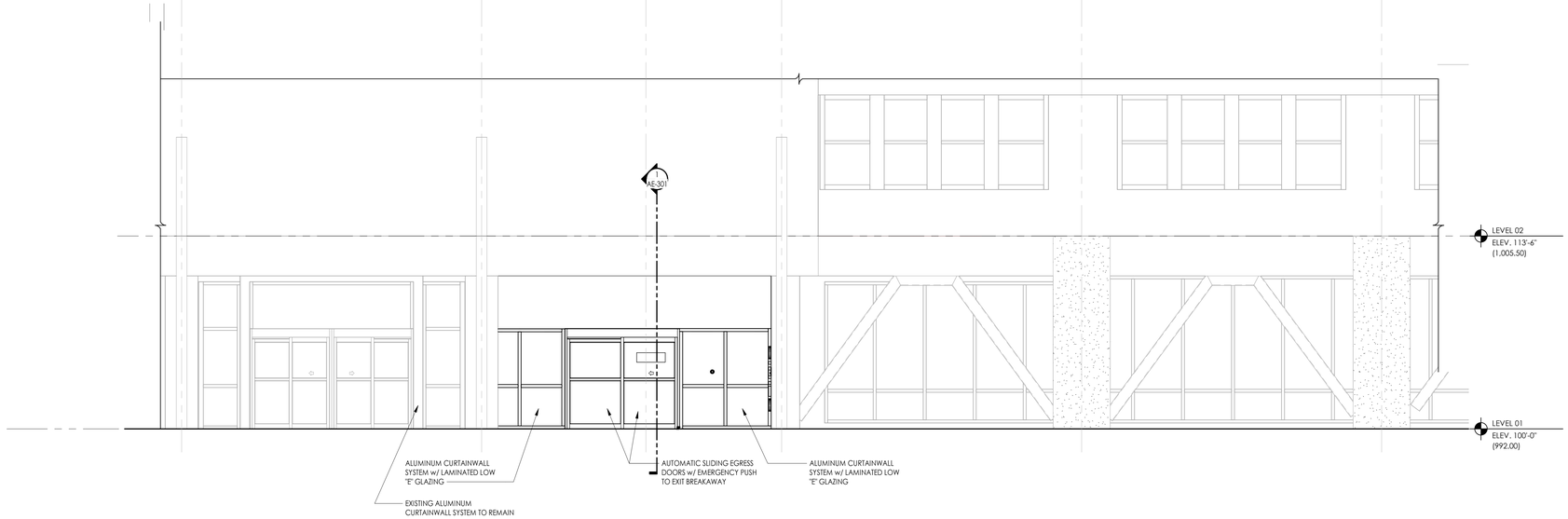
one half inch = one foot 0 4

three quarters inch = one foot 0 6" 2

one inch = one foot 0 6" 2

one and one half inches = one foot 0 6" 1

three inches = one foot 6



1 AE-200 PARTIAL SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

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DRAWING TITLE: EXTERIOR ELEVATION

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: MH | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: AE-200

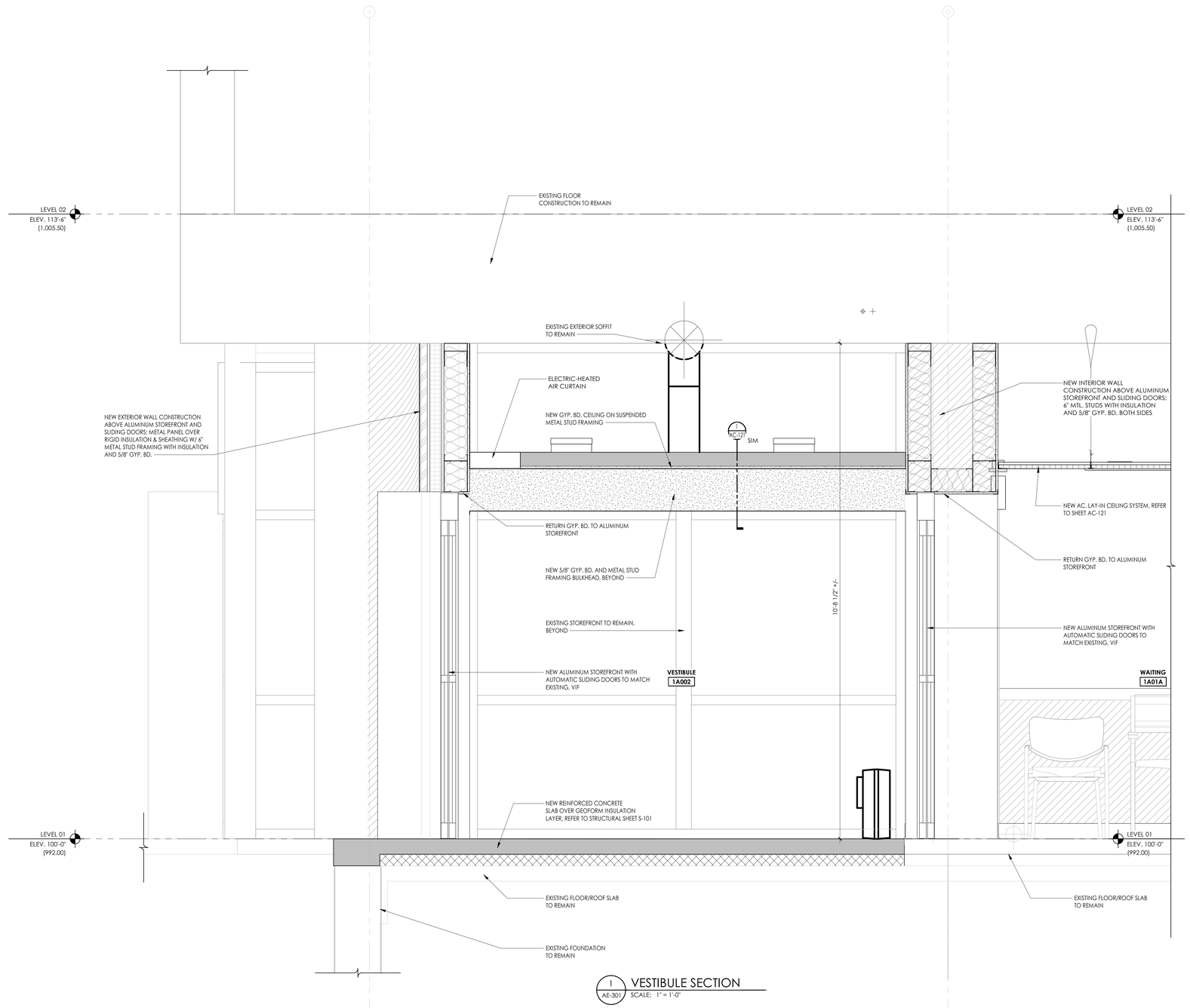
DWG. 10 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



1 / AE-301 VESTIBULE SECTION
SCALE: 1" = 1'-0"

100% CONSTRUCTION DOCUMENTS	04/07/2026
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DRAWING TITLE:
VESTIBULE SECTION

APPROVED:

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LOCATION: 2615 E CLINTON AVE
FRESNO, CALIFORNIA 93703

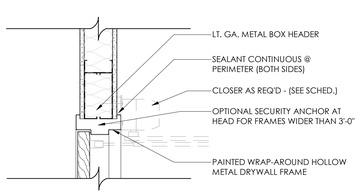
DATE: APRIL 7, 2026
CHECKED: MH
DRAWN: AL

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: AE-301
DWG. 11 OF 65

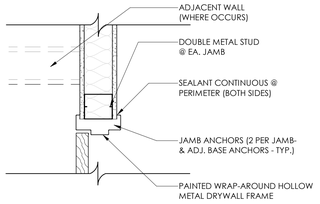
Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

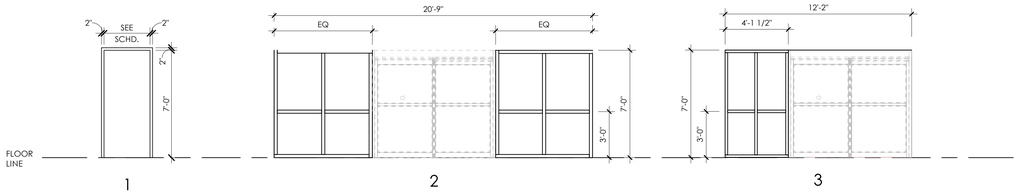
7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



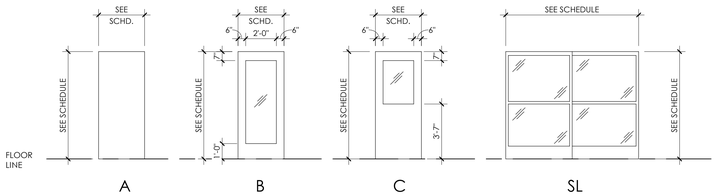
2 / AI-400 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



1 / AI-400 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



DOOR FRAME TYPES
SCALE: 1/4" = 1'-0"



DOOR PANEL TYPES
SCALE: 1/4" = 1'-0"

DOOR & FRAME SCHEDULE

DOOR NUMBER	SIZE (WIDTH x HEIGHT)	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLASS	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME GLASS	FIRE RATING (MIN.)	HARDWARE SET	REMARKS
LEVEL 01												
1A01A	3'-6" x 7'-0"	B	WD	PFN	GL-1	1	HM	PTD	-	20	2.0	POWER OPERATOR
1A02	3'-0" x 7'-0"	A	WD	PFN	-	1	HM	PTD	-	-	3.0	
1A002A	4'-0" x 7'-0"	SL	AL	PFN	GL-2	2	AL	PFN	GL-2	-	6.0	AUTOMATIC SLIDING DOORS
1A0028	4'-0" x 7'-0"	SL	AL	PFN	GL-2	3	AL	PFN	GL-2	-	6.0	AUTOMATIC SLIDING DOORS
1A06	3'-6" x 7'-0"	A	WD	PFN	-	1	HM	PTD	-	-	5.0	OCCUPANCY NOTIFICATION
1A09	3'-6" x 7'-0"	C	WD	PFN	GL-1	1	HM	PTD	-	-	1.0	CARD READER
1A09A	3'-6" x 7'-0"	A	WD	PFN	-	1	HM	PTD	-	-	4.0	
1A09B	3'-6" x 7'-0"	A	WD	PFN	-	1	HM	PTD	-	-	4.0	
1A09C	3'-0" x 7'-0"	A	WD	PFN	-	1	HM	PTD	-	-	1.0	CARD READER, MORTIS LOCK, ELECTRIC STRIKE
1A09D	3'-6" x 7'-0"	A	WD	PFN	-	1	HM	PTD	-	-	4.0	
1A09E	3'-6" x 7'-0"	A	WD	PFN	-	1	HM	PTD	-	-	4.0	
1A11	3'-0" x 7'-0"	A	WD	PFN	-	1	HM	PTD	-	-	3.0	
1A12	3'-0" x 7'-0"	A	WD	PFN	-	1	HM	PTD	-	-	3.0	

DOOR SCHEDULE ABBREVIATIONS AND NOTES

(REFER TO SPECIFICATIONS FOR ADDTIONAL DOOR INFORMATION)

DOOR SCHEDULE ABBREVIATIONS

AL	ALUMINUM
ALGL	ALUMINUM AND GLASS
EX	EXISTING
FRAF	FIRE RATED ALUMINUM FRAMING
FRP	FIBERGLASS REINFORCED POLYESTER
HM	HOLLOW METAL
LAM	PLASTIC LAMINATE CLAD
MET	METAL THRESHOLD
NAT	NATURAL FINISHED WOODWORK
OVR	OVERHEAD DOOR
PFN	PREFINISHED BY MANUFACTURER
PTD	PAINTED
SDSF	SOLID SURFACE THRESHOLD
STL	STEEL
STSTL	STAINLESS STEEL
WD	SOLID CORE HARDWOOD

DOOR SCHEDULE GENERAL NOTES

1. GALVANIZED METAL TO BE PROVIDED FOR HOLLOW METAL DOOR AND/ OR FRAME AT EXTERIOR LOCATIONS.
2. DOORS ARE 1-3/4" THICKNESS UNLESS OTHERWISE NOTED
3. DETAIL NUMBERS NOTED SIM. REFER TO DETAILS SHOWING HEAD, JAMB, AND/OR SILL DETAILS THAT REPRESENT CONDITIONS SIMILAR TO THOSE NOTED.
4. HOLLOW METAL FRAMES SET IN MASONRY WALLS ARE 5-3/4" WIDE.
5. HOLLOW METAL FRAMES SET IN GYPSUM BOARD/ METAL STUD PARTITIONS SHALL BE "DOUBLE BACK-BEND" FRAMES WITH A THROAT DIMENSION EQUAL TO THE PARTITION THICKNESS PLUS 9/16" RETURNS ON EACH SIDE OF THE PARTITION. PROVIDE EQUAL RABBETS.
6. AN ASTERISK (*) CALLS ATTENTION TO THE REMARKS COLUMN OF THE SCHEDULE.

U.L. DOOR LABEL DESIGNATIONS

U.L. LABEL	MIN. DOOR RATING
180	3 HR. RATING
90	1-1/2 HR. RATING
60	1 HR. RATING
45	3/4 HR. RATING
20	1/3 HR. RATING

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DRAWING TITLE:
DOOR & FRAME SCHEDULE AND DOOR & FRAME TYPES

APPROVED:

PROJECT TITLE:
DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

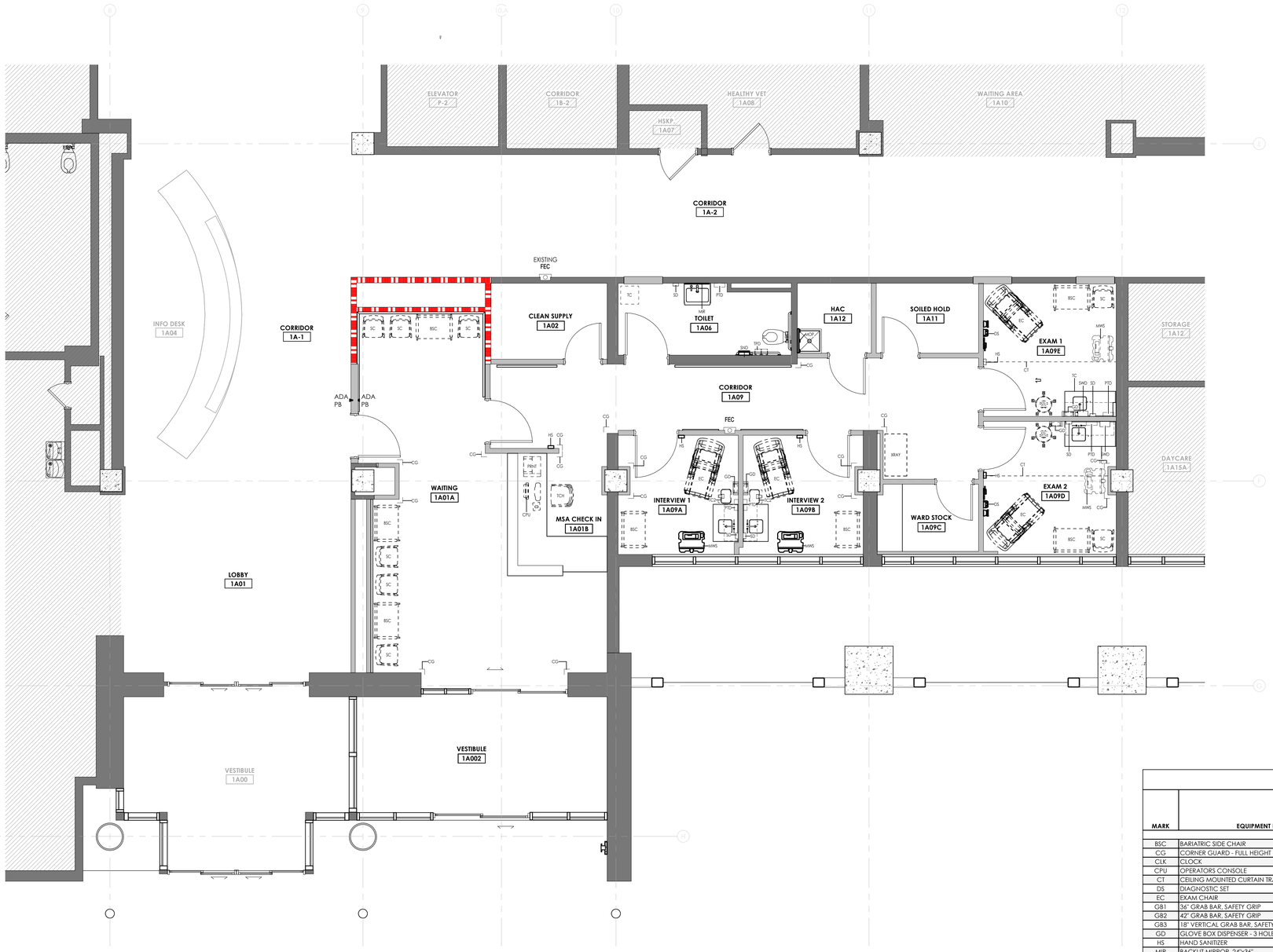
DATE: APRIL 7, 2026
CHECKED: MH
DRAWN: AL

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: AI-400
DWG. 12 OF 65

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



NORTH

FIRST FLOOR EQUIPMENT PLAN

SCALE: 1/4" = 1'-0"

FLOOR PLAN LEGEND

- NON-FIRE RATED WALL
- 1-HOUR FIRE RATED PARTITION
- 2-HOUR FIRE RATED PARTITION
- NOT IN CONTRACT
- FEC 1H / FEC 2H — FIRE EXTINGUISHER IN CABINET (FEC)
- AREA NOT IN SCOPE

EQUIPMENT PLAN LEGEND

A = ARCHITECT

C = CONTRACTOR

G = GOVERNMENT

X = ITEM TO BE INCLUDED WITH ASSOCIATED EQUIPMENT

EQUIPMENT PLAN GENERAL NOTES

1. FURNISHINGS REPRESENTED WITH DASHED LINES PROVIDED AND INSTALLED BY OTHERS.

EQUIPMENT SCHEDULE

MARK	EQUIPMENT DESCRIPTION	SPECIFIED BY	SUPPLIED BY	INSTALLED BY	ELEC	DATA	CABLE	BLOCKING	COMMENTS
BSC	BARIATRIC SIDE CHAIR	G	G	G					
CG	CORNER GUARD - FULL HEIGHT	A	C	C				X	
CLK	CLOCK	G	G	C					
CPU	OPERATORS CONSOLE								OPERATORS CONSOLE
CT	CEILING MOUNTED CURTAIN TRACK	A	C	C					
DS	DIAGNOSTIC SET	G	G	C	X			X	
EC	EXAM CHAIR	G	G	C	X				
GB1	36" GRAB BAR, SAFETY GRIP	A	C	C				X	
GB2	42" GRAB BAR, SAFETY GRIP	A	C	C				X	
GB3	18" VERTICAL GRAB BAR, SAFETY GRIP	A	C	C				X	
GD	GLOVE BOX DISPENSER - 3 HOLE	G	G	C				X	
HS	HAND SANITIZER	G	C	C				X	
MIR	BACKLIT MIRROR, 24"x36"	A	C	C	X			X	
MWS	MOBILE WORKSTATION WITH MONITOR	G	G	G					
PRNT	Multi-function Printer/Copier								
PTD	PAPER TOWEL DISPENSER - SURFACE MOUNTED, ELECTRIC	G	G	C				X	
SC	SIDE CHAIR	G	G	G					
SD	SOAP DISPENSER - SURFACE-MOUNTED	G	C	C				X	
SND	SANITARY NAPKIN DISPOSAL, SURFACE MOUNTED	A	C	C				X	
STL	PHYSICIANS STOOL	G	G	G					
SWD	SHARPS WASTE DISPOSAL UNIT	G	G	C				X	
TC	TRASH CAN - OPEN TOP	G	G	G					
TC2	TRASH CAN WITH PEDAL ACTIVATED FLIP TOP	G	G	G					
TCH	TASK CHAIR, WITH ARMS								
TPD	TOILET PAPER DISPENSER, DOUBLE ROLL	A	C	C				X	
XRAY	PORTABLE X RAY MACHINE	G	G	G					

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Michael Hawarny

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DRAWING TITLE: FIRST FLOOR EQUIPMENT PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: MH | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: AI-500

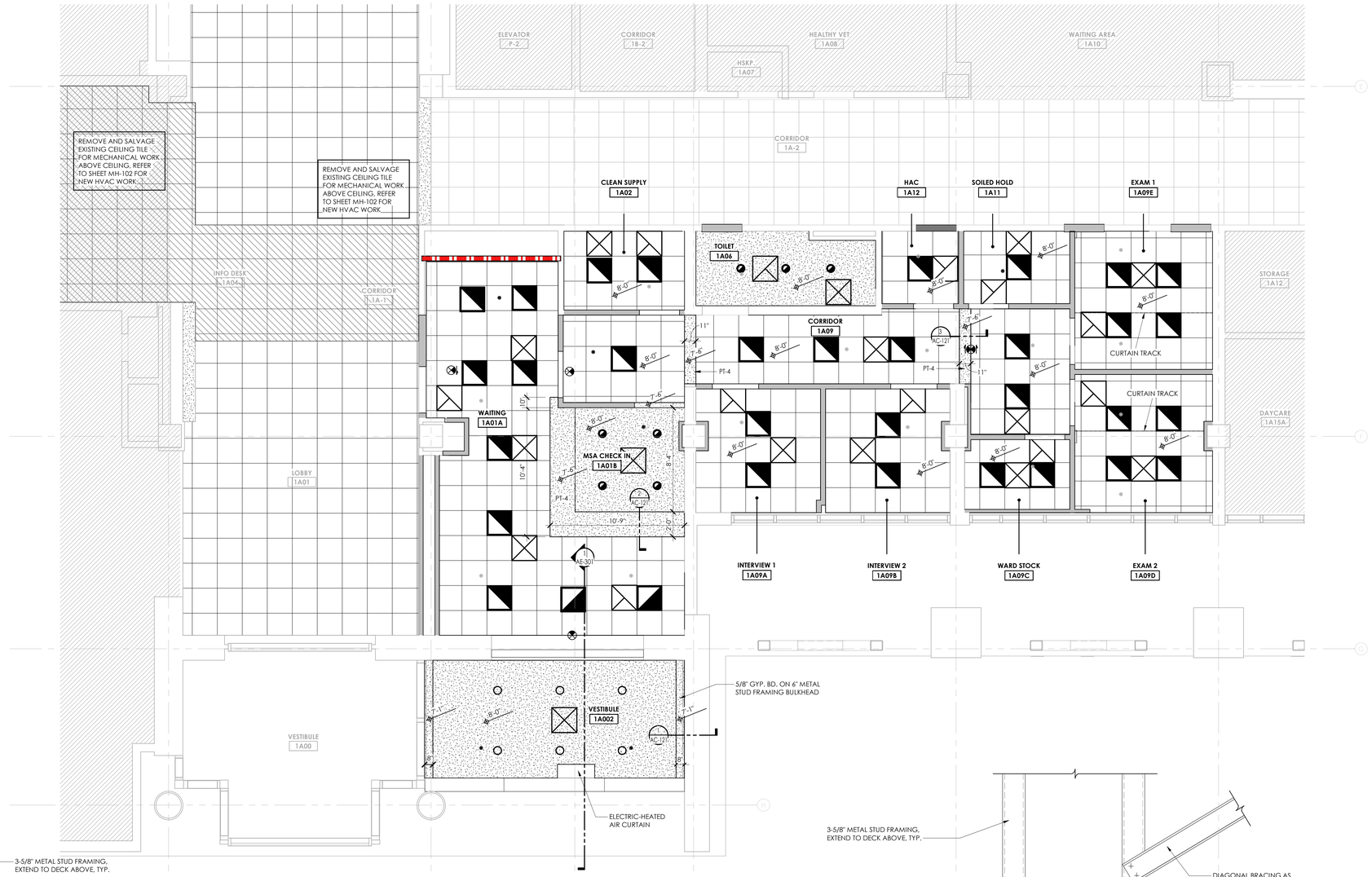
DWG. 13 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

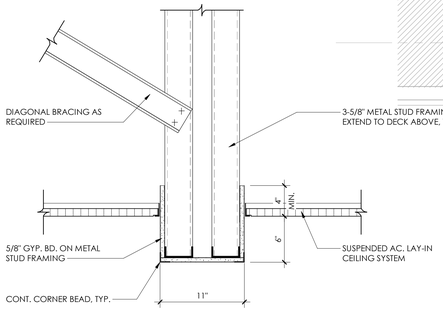
VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

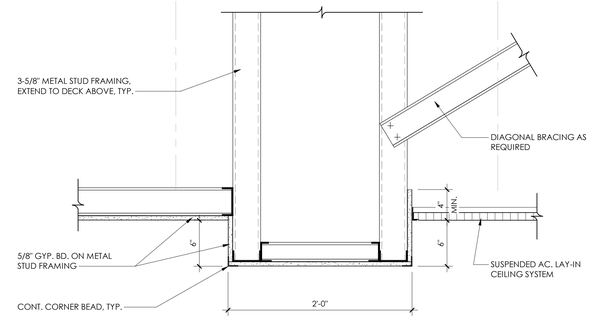


NORTH

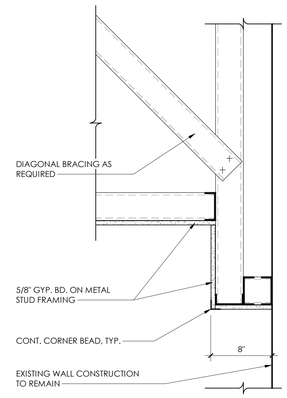
FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



3 AC-121 BULKHEAD DETAIL
SCALE: 1 1/2" = 1'-0"



2 AC-121 BULKHEAD DETAIL
SCALE: 1 1/2" = 1'-0"



1 AC-121 BULKHEAD DETAIL
SCALE: 1 1/2" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. ACOUSTICAL CEILING GRIDS IN ROOMS ARE TO BE CENTERED UNLESS NOTED OTHERWISE.
2. ELECTRICAL AND MECHANICAL FIXTURES AND DUCTWORK ARE SHOWN FOR REFERENCE ONLY. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
3. COORDINATE MECHANICAL, ELECTRICAL AND FIRE PROTECTION TO ASSURE PROPER CLEARANCES AND LAYOUT.
4. MECHANICAL, ELECTRICAL AND FIRE PROTECTION CONTRACTORS TO PROVIDE ACCESS PANELS IN CEILING AS REQUIRED FOR MAINTENANCE OF EQUIPMENT. COORDINATE SIZE AND LOCATIONS OF ACCESS PANELS TO MINIMIZE QUANTITIES. CONTRACTOR IS REQUIRED TO PROVIDE LAYOUT TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION, UNLESS NOTED OTHERWISE.
5. REFER TO INTERIOR FINISH PLAN ON SHEET ID101 & INTERIOR FINSH KEY ON SHEET ID001 FOR CEILING FINISHES.

REFLECTED CEILING PLAN LEGEND

- AREAS TO BE SUSPENDED 2' x 2' ACOUSTIC TILE
- AREAS OF EXISTING SUSPENDED ACOUSTIC TILE TO BE REWORKED DUE TO NEW CONSTRUCTION
- AREAS TO BE FINISHED GYPSUM BOARD CEILING
- SUPPLY AIR DIFFUSER - SEE MECHANICAL DRAWINGS
- RETURN AIR DIFFUSER - SEE MECHANICAL DRAWINGS
- EXHAUST DIFFUSER - SEE MECHANICAL DRAWINGS
- 2' x 2' LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- RECESSED CAN LIGHT FIXTURE - SEE ELECTRICAL
- ACCESS PANEL
- CEILING MOUNTED EXIT SIGN - SEE ELECTRICAL DRAWINGS
- OCCUPANCY SENSOR - SEE ELECTRICAL DRAWINGS
- SPEAKER - SEE ELECTRICAL DRAWINGS
- DURESS BUTTON - SEE ELECTRICAL DRAWINGS
- XX'-XX" CEILING HEIGHT ABOVE FINISHED FLOOR
- 1-HOUR FIRE RATED PARTITION
- AREA NOT IN SCOPE

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DRAWING TITLE: FIRST FLOOR REFLECTED CEILING PLAN

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DRAWING NUMBER: AC-121

DWG. 14 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

INTERIOR FINISH KEY

KEY	MATERIAL TYPE	MANUFACTURER	STYLE	COLOR	REMARKS
08 80 00 GLAZING					
WF-1	ANTI SHATTER WINDOW FILM	CLEAR ARMOR	SL-15	CLEAR	INSTALLED ON WINDOW FIRST
09 30 00 TILING					
GR-1	GROUT	MAPEI	KERAPOXY	TBD	
MTS-1	METAL COVE TRANSITION	SCHLUTER	TBD	TBD	
MTS-2	METAL TRANSITION STRIP	SCHLUTER	TBD	TBD	
PFT-1	PORCELAIN FLOOR TILE	DALTILE	HAUT MONDE	HM07 ARISTOCRAT CREAM	24" x 24" - 3/8" - STACKED
PWT-1	PORCELAIN WALL TILE	DALTILE	HAUT MONDE	HM07 ARISTOCRAT CREAM	32" x 32" - 9.5MM - STACKED
PWT-2	PORCELAIN WALL TILE	DALTILE	CONTINENTAL SLATE	BEIGE/GREEN/BLACK CS72	4"x12" MOSAIC
PWT-3	PORCELAIN WALL TILE	DALTILE	COLOR WHEEL LINEAR	7174 MATTE SEA BREEZE	4"x12" - ACCENT STRIP
PWT-4	PORCELAIN WALL TILE	DALTILE	ACREAGE	AC11 PALOMINO STACKED	12"x24" SHEET - STACKED
09 51 00 ACOUSTICAL CEILINGS					
ACB-1	ACOUSTIC CEILING PANEL	ARMSTRONG CEILING SOLUTIONS	ULTIMA TEGULAR	WHITE	2x2
09 65 13 RESILIENT BASE AND ACCESSORIES					
RB-1	RESILIENT WALL BASE	MANNINGTON	BURKEBASE TYPE TP	198 DEEP SPACE	4" COVE TOE
TS-1	RESILIENT TRANSITION STRIP	MANNINGTON		198 DEEP SPACE	
09 65 19 RESILIENT TILE FLOORING					
RTF-1	LUXURY VINYL TILE	INTERFACE	LEVEL SET x TEXTURED WOOD GRAINS	A00409 ASH WALNUT	4.5 MM - 9" x 40" PLANK - STAGGERED
RTF-2	LUXURY VINYL TILE	NORA	DARIVA	6719 COCOA BEAN	3 MM - 40" x 48" (EXAM ROOMS ONLY)
09 68 13 TILE CARPETING					
CPT-1	WALK OFF CARPET TILE	INTERFACE	TBD	TBD	TO MATCH EXISTING
CPT-2	CARPET TILE	INTERFACE	KNITSTITCH	103337 GREIGE	20" x 20" - MONOLITHIC
09 91 23 INTERIOR PAINTING					
PT-1	INTERIOR PAINT	DUNN EDWARDS	ZERO V.O.C. LATEX	DE6221 FLINTSTONE	FIELD PAINT - EGGSHELL FINISH
PT-2	INTERIOR PAINT	DUNN EDWARDS	ZERO V.O.C. LATEX	DET593 MADE OF STEEL	ACCENT - EGGSHELL FINISH
PT-3	INTERIOR PAINT	DUNN EDWARDS	PRO INDUSTRIAL PRECATALYZED EPOXY	DET593 MADE OF STEEL	ACCENT - EGGSHELL FINISH
PT-4	CEILING PAINT	DUNN EDWARDS	PRO INDUSTRIAL PRECATALYZED EPOXY	DE6218 ANTIQUE PAPER	FLAT FINISH
PT-5	DOOR FRAME PAINT	DUNN EDWARDS	PRO INDUSTRIAL WATERBASED ALKYD URETHANE	DE6218 ANTIQUE PAPER	SEMI - GLOSS FINISH
10 26 00 WALL AND DOOR PROTECTION					
CG-1	CORNER GUARD	INRPO CORP.	150 HIGH IMPACT CORNER GUARD	0256 CASTLE	FULL HEIGHT, 2" WING
CHR-1	CHAIR RAIL	INRPO CORP.	PALLADIUM 3D TRIM HORIZONTAL BOARD	0256 CASTLE	
HR-1	HANDRAIL	INRPO CORP.	1000 SERIES HANDRAIL	0256 CASTLE	
WP-1	WALL PROTECTION	INRPO CORP.	PALLADIUM RIGID SHEET PROTECTION	SE029 FIBERSTONE	
WP-2	WALL PROTECTION	MDC SOLUTIONS	BRANCH OUT	W28H11 SYCAMORE	USED AT MSA CHECK IN AND VESTIBULE
12 24 21 LIGHTPROOF SHADES					
WIND-1	WINDOW SHADE	INPRO CORP.	SHEERWEAVE 2500	Q21 BEIGE/PEARL GRAY	LIGHT BLOCKING
12 32 00 WOOD CASEWORK					
HPL-1	HIGH PRESSURE LAMINATE	WILSONART	-	8279 WALNUT PB COGNAC	ANTICMICROBIAL W. VELVET TEXTURE
12 35 70 HEALTHCARE CASEWORK					
HC-1	HEALTHCARE CASEWORK	MIDMARK	SYNTHESIS x TRASCEND	801 TIMBER	BLACK EDGE HARDWARE
SS-3	SOLID SURFACE	CORIAN		901 NEUTRAL AGGREGATE	
SS-4	SOLID SURFACE INTREGAL SINK	CORIAN	027-1303-00	WHITE	
12 36 00 COUNTERTOPS					
SS-1	SOLID SURFACE	CORIAN	-	SAGEBRUSH	COUNTERTOPS
SS-2	SOLID SURFACE SINK	SLOAN	ELGR-81000	(WO) WHITE	USE WITH HPL-1

FINISH PLAN GENERAL NOTES

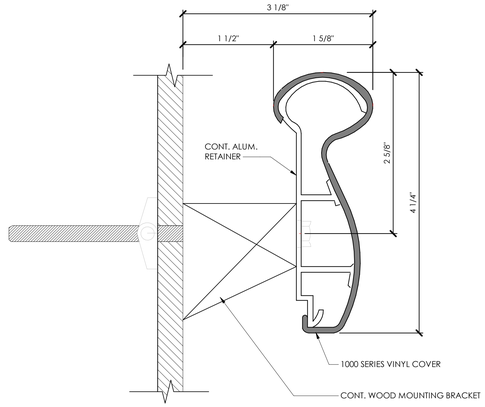
1. REFER TO SHEET ID001 FOR FINISH SPECIFICATION INFORMATION.
2. REFERENCE FLOOR PLANS AND INTERIOR ELEVATIONS FOR INTERIOR SPECIALTY ELEVATIONS.
3. REFERENCE FINISH PLAN FOR ACCENT PAINT LOCATIONS. AND ROOM FINISH TAGS FOR TYPE AND PLACEMENT OF INTERIOR FINISHES.
4. REFER TO REFLECTED CEILING PLANS LOCATED ON SHEET AC121 FOR ADDITIONAL CEILING FINISHES.
5. PATTERN NAME, COLOR, AND NUMBER FOR EACH MATERIAL ARE GIVEN WHEREVER POSSIBLE ON THE FINISH PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ANY DISCREPANCIES TO THE ATTENTION OF THE INTERIOR DESIGNER OR COR SO THAT THE CORRECT MATERIAL IS INSTALLED.
6. ALL FLOORING TRANSITIONS SHALL BE CENTERED UNDER THE DOOR IN ITS CLOSED POSITION.
7. REFER TO SHEET ID001 FOR FLOOR TRANSITION AND WALL BASE DETAILS.
8. THERE SHALL NOT BE PAINT CONDITIONS THAT OCCUR CAUSING FINISH OR COLOR TO CHANGE ON AN OUTSIDE CORNER UNLESS SPECIFICALLY NOTED OTHERWISE. IF THIS CONDITION OCCURS, BRING IT TO THE DESIGNER'S ATTENTION IMMEDIATELY.
9. WIREWAYS, ACCESS PANELS, GRILLES, ELECTRICAL PANELS, MECHANICAL DEVICES, ETC. SHALL BE FINISHED TO MATCH THE ADJACENT SURFACE.
10. PORCELAIN/CERAMIC TILE LARGER THAN 12"x12" SHALL NOT BE INSTALLED AT STAGGERED OFFSET OF GREATER THAN 1/3 OR 33%.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADA-COMPLIANT TRANSITIONS AT ALL CHANGES IN FLOOR FINISH U.N.O.
12. PROVIDE METAL TRIM PROFILES ON ALL PORCELAIN/ CERAMIC TILE EDGES AS INDICATED ON FINISH DETAILS.
13. RTF SHALL BE INSTALLED ALONG LENGTH OF ROOMS U.N.O.
14. REFER TO EQUIPMENT PLANS FOR FLOOR AND WALL MOUNTED DETENTION FURNITURE.
15. ALL HM DOORS & FRAMES SHALL BE PAINTED PT-5 U.N.O.

FINISH PLAN LEGEND

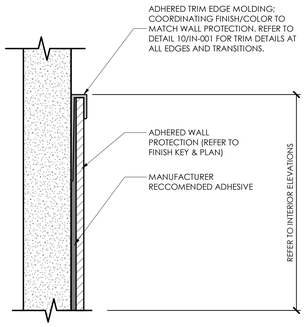
ROOM NAME — OFFICE
ROOM NUMBER — 101
FLOOR FINISH — RF-1
BASE FINISH — RB-1
TYP. WALL FINISH — PT-1
CEILING FINISH — ACP-X
COUNTER — QTZ-1
CASEWORK — HPL-1
ACCENT FINISH LOCATION — PT-2
TRANSITION LOCATION
AREA NOT IN CONTRACT

SPECIFIC PLAN NOTES

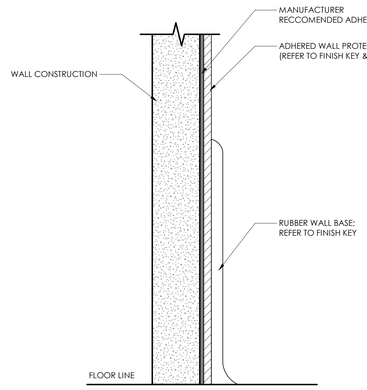
1. PROVIDE PRIVACY CURTAIN TRACK. REFER TO EQUIPMENT PLAN LOCATED ON SHEET AI500.
2. PROVIDE WIND-1: ROLLERSHADE AT ALL WINDOWS. REFER TO FINISH KEY FOR DETAILS.
3. EXISTING FLOOR FINISH TO REMAIN; CONTRACTOR TO IDENTIFY APPRORIATE TRANSITION AND ENSURE FLOORING IS LEVEL.
4. FINISH PATTERN DIRECTION TO RUN PLAN NORTH TO SOUTH.
5. CONTRACTOR TO REPAIR AND REPLACE ANY DAMAGED FLOORING OR CEILING TILES/GRID AT THE DURATION OF THE PROJECT
6. PROVIDE EDGE TRIM DETAIL PROFILE AS SHOWN IN DETAIL 04/ID001 AT ALL TILE EDGE LOCATIONS. PROVIDE INSIDE CORNER TILE TRIM PROFILE AS SHOWN IN DETAIL 06/ID001 AT ALL INSIDE CORNER LOCATIONS
7. REFER TO INTERIOR ELEVATIONS FOR WALL TILE PATTERNS AND DIMENSIONS.
8. PROVIDE TRIM EDGE DETAIL PROFILES AS SHOW IN DETAIL 08/ID001 AT ALL WALL PROTECTION EDGES AND SEAMS. NO EXPOSED OR RAW EDGES TO BE SHOWING AFTER INSTALLATION.



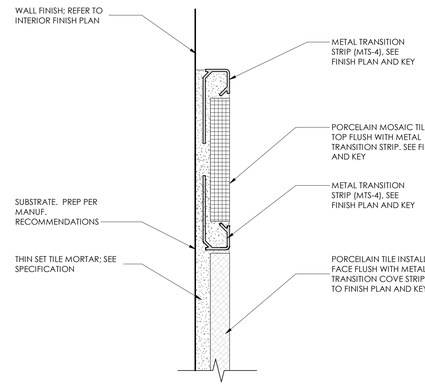
10 HANDRAIL
SCALE: 12" = 1'-0"



09 WALL PROTECTION TOP TRIM
SCALE: 12" = 1'-0"



08 WALL PROTECTION BOTTOM INSTALLATION
SCALE: 12" = 1'-0"



07 IN-001 PWT TO PWT TRANSITION
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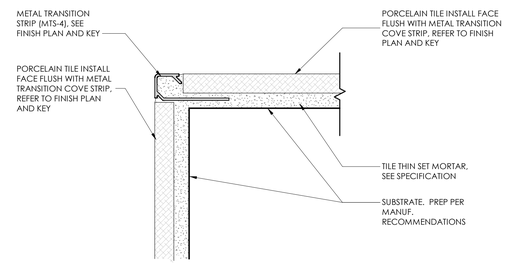
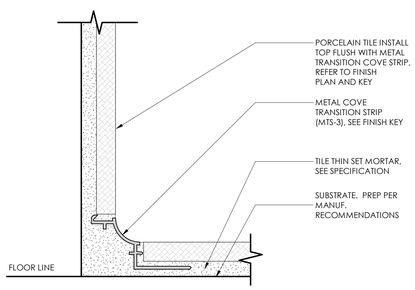
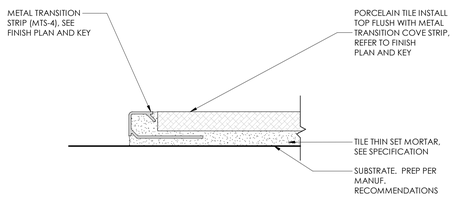


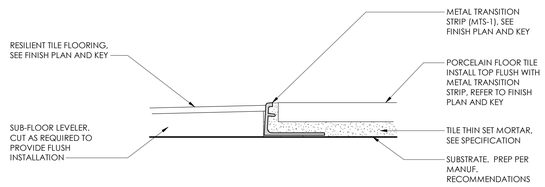
06 OUTSIDE CORNER
SCALE: 12" = 1'-0"



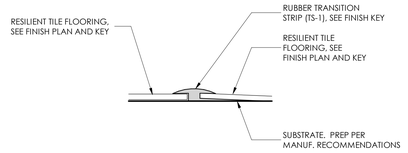
05 TILE COVE BASE & INSIDE CORNER
SCALE: 12" = 1'-0"



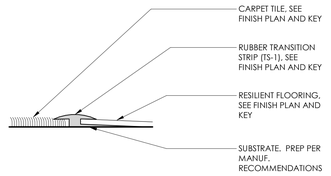
04 EDGE TERMINATION
SCALE: 12" = 1'-0"



03 RFT TO PFT
SCALE: 12" = 1'-0"



02 RFT TO RFT
SCALE: 12" = 1'-0"



01 RFT TO CPT
SCALE: 12" = 1'-0"

REVISIONS	DATE
100% CONSTRUCTION DOCUMENTS	04/07/2026

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STAMP

STATE OF MICHIGAN — MICHAEL HAWARNY — ARCHITECT — No. 38315312 — LICENSED ARCHITECT — 4/7/2026
Michael Hawarny

ARCHITECT/ENGINEERS

DAVENERGY SOLUTIONS — ENGINEERING | CONSTRUCTION MANAGEMENT

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DRAWING TITLE: INTERIOR FINISH KEY & DETAILS

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: MH | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: IN-001

DWG. 15 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

three inches = one foot

one and one half inches = one foot

one inch = one foot

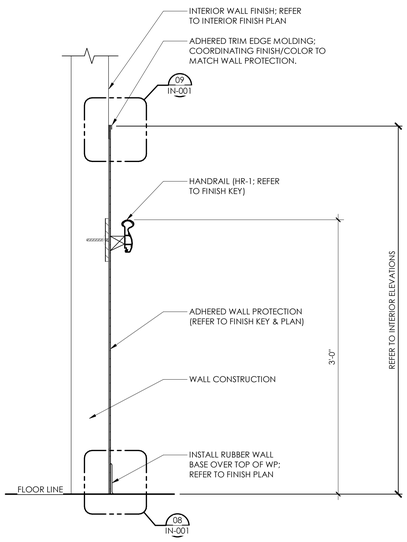
three quarters inch = one foot

one half inch = one foot

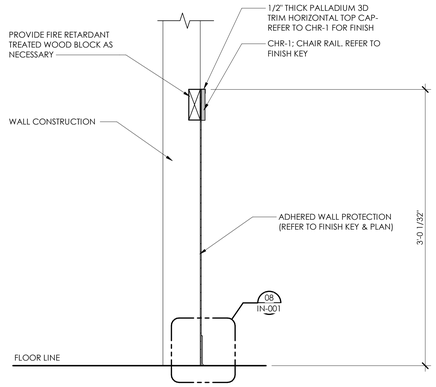
three eighths inch = one foot

one quarter inch = one foot

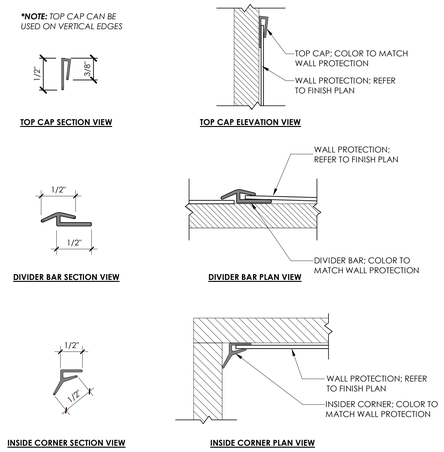
one eighth inch = one foot



03 WALL PROTECTION WITH HANDRAIL
SCALE: 1 1/2" = 1'-0"



02 CHAIR RAIL INSTALLATION
SCALE: 1 1/2" = 1'-0"



01 WALL PROTECTION TRIM DETAILS
SCALE: 1/2" = 1'-0"

100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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ARCHITECT
No. 38315312
LICENSED ARCHITECT
4/7/2026
Michael Hawarny

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DRAWING TITLE:
INTERIOR FINISH DETAILS

APPROVED:

PROJECT TITLE:
DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

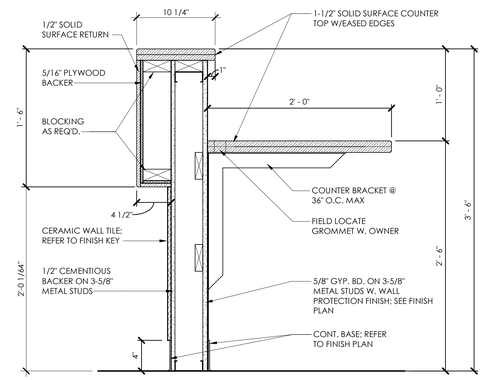
DATE: APRIL 7, 2026
CHECKED: MH
DRAWN: AL

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: IN-002
DWG. 16 OF 65

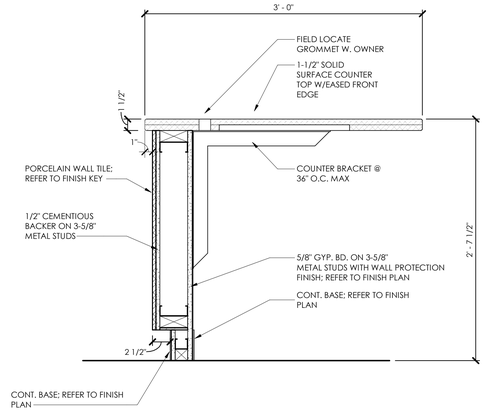
Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

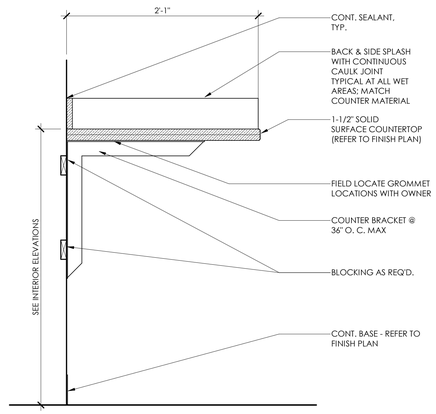
7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



03 RECEPTION DESK W. TRANSACTION COUNTER
SCALE: 1 1/2" = 1'-0"



02 RECEPTION DESK W. ADA HEIGHT DESK
SCALE: 1 1/2" = 1'-0"



01 COUNTERTOP W. SUPPORT
SCALE: 1 1/2" = 1'-0"

100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: CASEWORK DETAILS

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: MH | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: IN-003

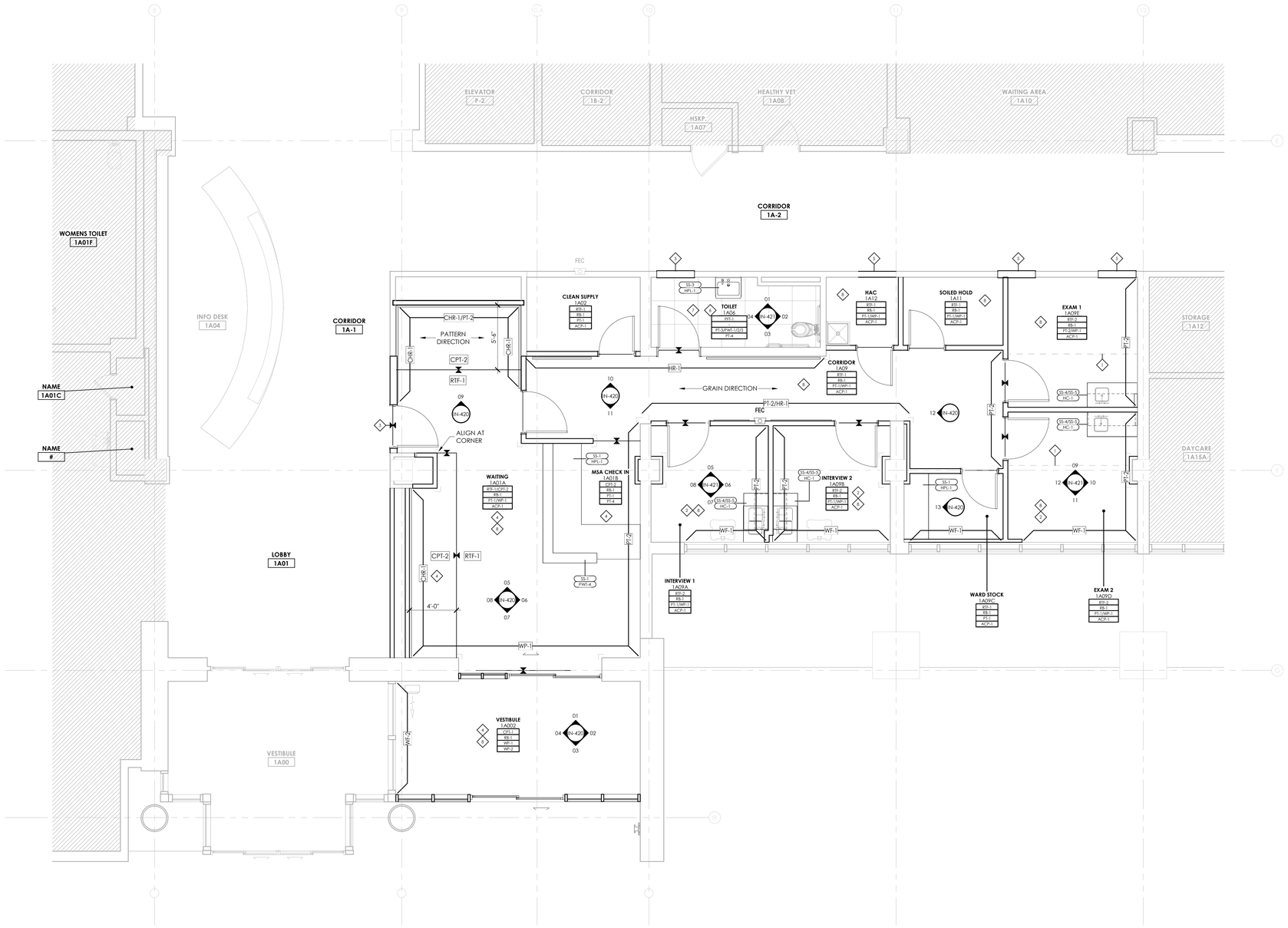
DWG. 17 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



NORTH

FIRST FLOOR INTERIOR FINISH PLAN

SCALE: 1/4" = 1'-0"

FINISH PLAN GENERAL NOTES

1. REFER TO SHEET ID001 FOR FINISH SPECIFICATION INFORMATION.
2. REFERENCE FLOOR PLANS AND INTERIOR ELEVATIONS FOR INTERIOR SPECIALTY ELEVATIONS.
3. REFERENCE FINISH PLAN FOR ACCENT PAINT LOCATIONS. AND ROOM FINISH TAGS FOR TYPE AND PLACEMENT OF INTERIOR FINISHES.
4. REFER TO REFLECTED CEILING PLANS LOCATED ON SHEET AC121 FOR ADDITIONAL CEILING FINISHES.
5. PATTERN NAME, COLOR, AND NUMBER FOR EACH MATERIAL ARE GIVEN WHEREVER POSSIBLE ON THE FINISH PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ANY DISCREPANCIES TO THE ATTENTION OF THE INTERIOR DESIGNER OR COR SO THAT THE CORRECT MATERIAL IS INSTALLED.
6. ALL FLOORING TRANSITIONS SHALL BE CENTERED UNDER THE DOOR IN ITS CLOSED POSITION.
7. REFER TO SHEET ID001 FOR FLOOR TRANSITION AND WALL BASE DETAILS.
8. THERE SHALL NOT BE PAINT CONDITIONS THAT OCCUR CAUSING FINISH OR COLOR TO CHANGE ON AN OUTSIDE CORNER UNLESS SPECIFICALLY NOTED OTHERWISE. IF THIS CONDITION OCCURS, BRING IT TO THE DESIGNER'S ATTENTION IMMEDIATELY.
9. WIREWAYS, ACCESS PANELS, GRILLES, ELECTRICAL PANELS, MECHANICAL DEVICES, ETC. SHALL BE FINISHED TO MATCH THE ADJACENT SURFACE.
10. PORCELAIN/CERAMIC TILE LARGER THAN 12"x12" SHALL NOT BE INSTALLED AT STAGGERED OFFSET OF GREATER THAN 1/3 OR 33%.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADA-COMPLIANT TRANSITIONS AT ALL CHANGES IN FLOOR FINISH U.N.O.
12. PROVIDE METAL TRIM PROFILES ON ALL PORCELAIN/ CERAMIC TILE EDGES AS INDICATED ON FINISH DETAILS.
13. RTF SHALL BE INSTALLED ALONG LENGTH OF ROOMS U.N.O.
14. REFER TO EQUIPMENT PLANS FOR FLOOR AND WALL MOUNTED DETENTION FURNITURE.
15. ALL HM DOORS & FRAMES SHALL BE PAINTED PT-5 U.N.O.

FINISH PLAN LEGEND

ROOM NAME	OFFICE
ROOM NUMBER	101
FLOOR FINISH	RF-1K
BASE FINISH	RB-1
TYP. WALL FINISH	PT-5
CEILING FINISH	ACP-X
COUNTER	QTZ-1
CASEWORK	HPL-1
ACCENT FINISH LOCATION	PA
TRANSITION LOCATION	
AREA NOT IN CONTRACT	

◇ SPECIFIC PLAN NOTES

1. PROVIDE PRIVACY CURTAIN TRACK, REFER TO EQUIPMENT PLAN LOCATED ON SHEET AI500.
2. PROVIDE WIND-1; ROLLERSHADE AT ALL WINDOWS. REFER TO FINISH KEY FOR DETAILS.
3. EXISTING FLOOR FINISH TO REMAIN; CONTRACTOR TO IDENTIFY APPRORIATE TRANSITION AND ENSURE FLOORING IS LEVEL.
4. FINISH PATTERN DIRECTION TO RUN PLAN NORTH TO SOUTH.
5. CONTRACTOR TO REPAIR AND REPLACE ANY DAMAGED FLOORING OR CEILING TILES/GRID AT THE DURATION OF THE PROJECT
6. PROVIDE EDGE TRIM DETAIL PROFILE AS SHOWN IN DETAIL 04/ID001 AT ALL TILE EDGE LOCATIONS. PROVIDE INSIDE CORNER TILE TRIM PROFILE AS SHOWN IN DETAIL 06/ID001 AT ALL INSIDE CORNER LOCATIONS
7. REFER TO INTERIOR ELEVATIONS FOR WALL TILE PATTERNS AND DIMENSIONS.
8. PROVIDE TRIM EDGE DETAIL PROFILES AS SHOW IN DETAIL 08/ID001 AT ALL WALL PROTECTION EDGES AND SEAMS. NO EXPOSED OR RAW EDGES TO BE SHOWING AFTER INSTALLATION.

REVISIONS	DATE
100% CONSTRUCTION DOCUMENTS	04/07/2026

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DRAWING TITLE: FIRST FLOOR INTERIOR FINISH PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: MH | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: IN-101

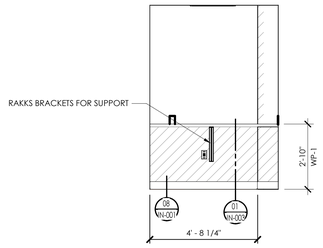
DWG. 18 OF 65

Office of Construction and Facilities Management

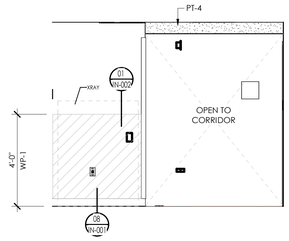
Department of Veterans Affairs

VA FORM 08-6231

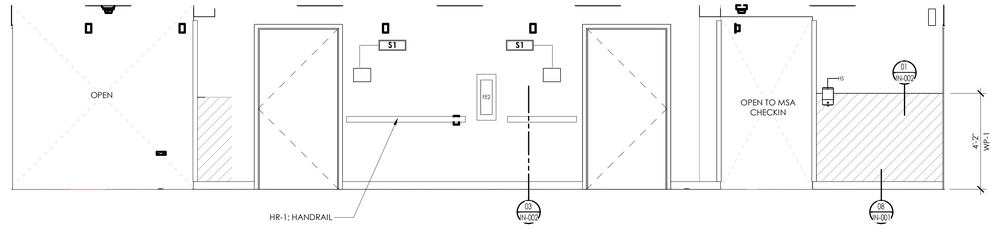
7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



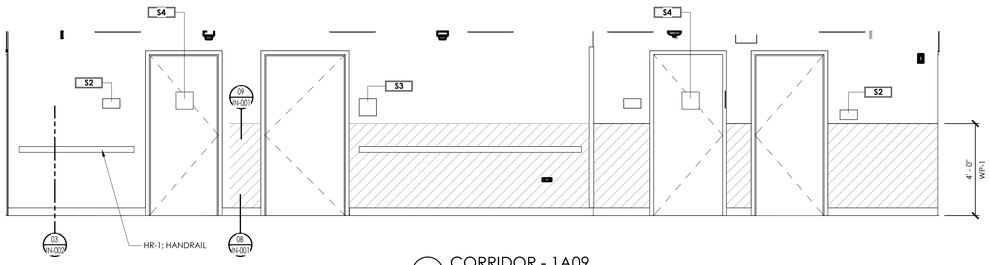
13 WARD STOCK - 1A09C
SCALE: 3/8" = 1'-0"



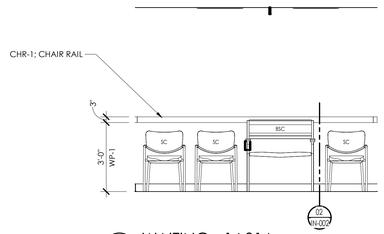
12 CORRIDOR - 1A09 (CART STORAGE)
SCALE: 3/8" = 1'-0"



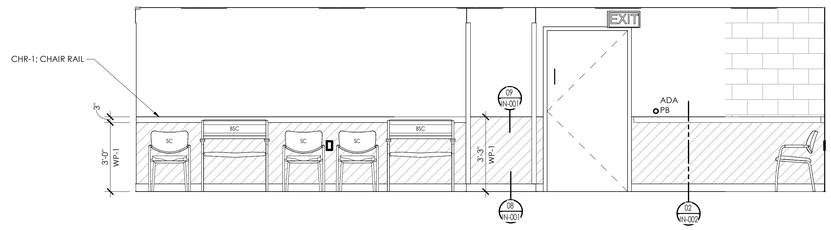
11 CORRIDOR - 1A09
SCALE: 3/8" = 1'-0"



10 CORRIDOR - 1A09
SCALE: 3/8" = 1'-0"



09 WAITING - 1A01A
SCALE: 3/8" = 1'-0"



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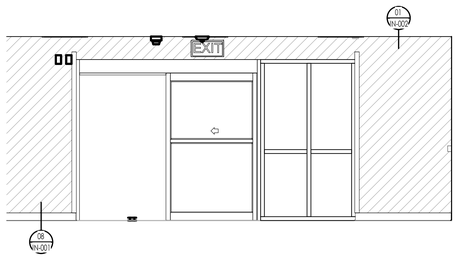

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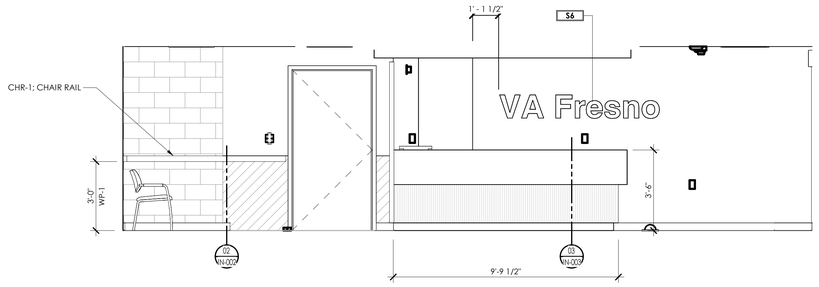
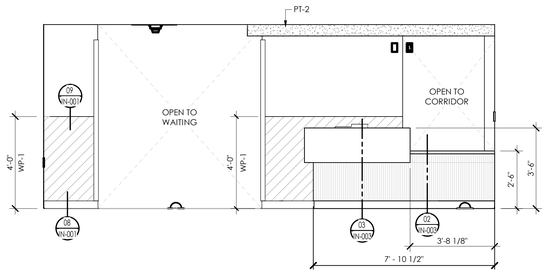
SCALE: 3/8" = 1'-0"



06 WAITING - 1A01A
SCALE: 3/8" = 1'-0"



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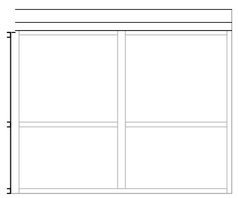
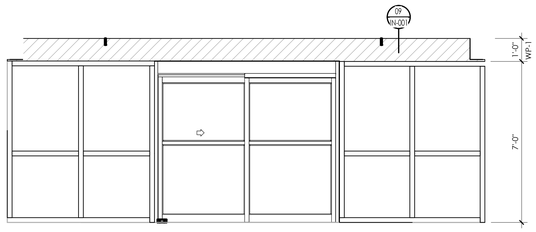
SCALE: 3/8" = 1'-0"



04 VESTIBULE - 1A002
SCALE: 3/8" = 1'-0"



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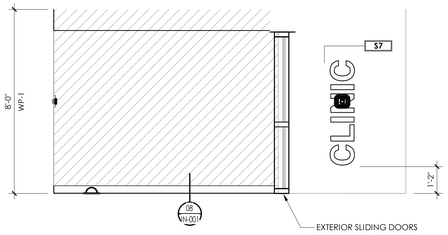
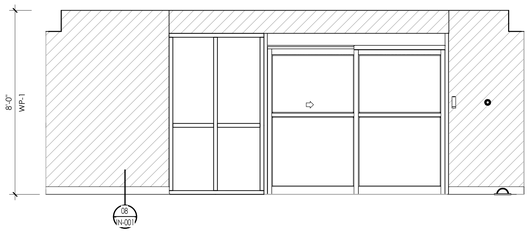
SCALE: 3/8" = 1'-0"



02 VESTIBULE - 1A002
SCALE: 3/8" = 1'-0"



01 VESTIBULE - 1A002
SCALE: 3/8" = 1'-0"

100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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DRAWING TITLE:
INTERIOR ELEVATIONS

APPROVED:

PROJECT TITLE:
DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE
FRESNO, CALIFORNIA 93703

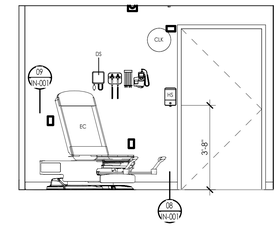
DATE: APRIL 7, 2026
CHECKED: MH
DRAWN: AL

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: IN-420
DWG. 19 OF 65

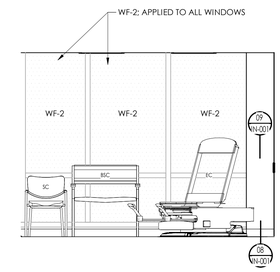
Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



12 EXAM ROOM - TYPICAL
SCALE: 3/8" = 1'-0"



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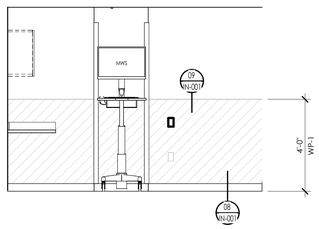
SCALE: 3/8" = 1'-0"



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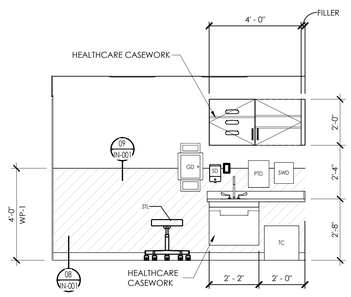
SCALE: 3/8" = 1'-0"



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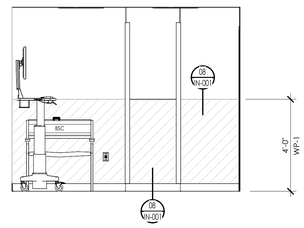
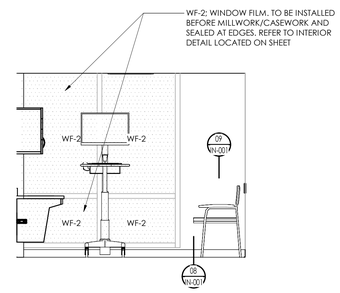
SCALE: 3/8" = 1'-0"



08 INTERVIEW ROOM - TYPICAL
SCALE: 3/8" = 1'-0"



07 INTERVIEW ROOM - TYPICAL
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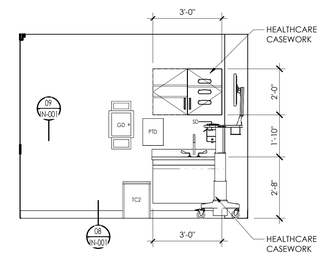

06 INTERVIEW ROOM - TYPICAL
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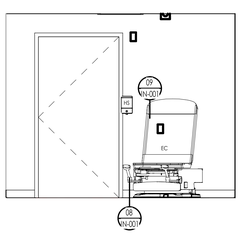

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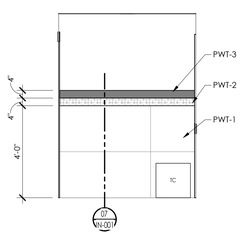
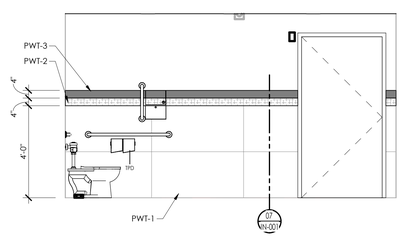
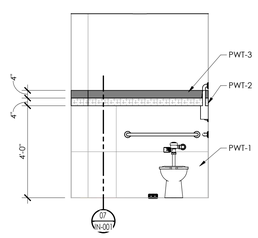
SCALE: 3/8" = 1'-0"



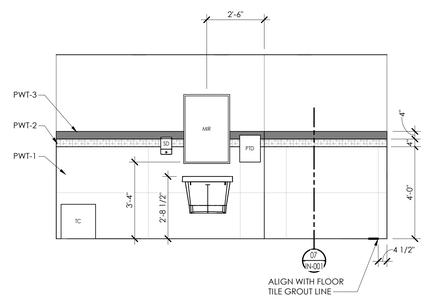
04 TOILET - 1A06
SCALE: 3/8" = 1'-0"



03 TOILET - 1A06
SCALE: 3/8" = 1'-0"



02 TOILET - 1A06
SCALE: 3/8" = 1'-0"



01 TOILET - 1A06
SCALE: 3/8" = 1'-0"

100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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04/7/2026
Michael Hawarny

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DRAWING TITLE:
INTERIOR ELEVATIONS

APPROVED:

PROJECT TITLE:
DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026
CHECKED: MH
DRAWN: AL

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: IN-421
DWG. 20 OF 65

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

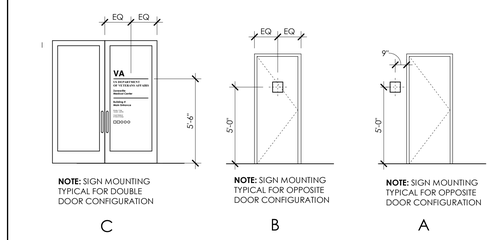
7GAE PROJECT NO.: 2311154 FILE NAME: TITL-BLK-3042-VA.DWG

INTERIOR SIGNAGE SCHEDULE

SIGN TYPE	ROOM #	ROOM NAME	SIGN MOUNTING TYPE	SIGN COPY
LEVEL 01				
S5	1A01A	WAITING	C	CONFIRM W. OWNER
S6	1A01B	MSA CHECK IN	-	VA FRESNO * CONFIRM W. OWNER
S2	1A02	CLEAN SUPPLY	A	CONFIRM W. OWNER
S4	1A02	CLEAN SUPPLY	B	AUTHORIZED PERSONEL ONLY
S5	1A002	VESTIBULE	C	CONFIRM W. OWNER
S7	1A002	VESTIBULE	-	CLINIC *CONFIRM W. OWNER
S3	1A06	TOILET	B	RESTROOM
S1	1A09A	INTERVIEW 1	A	CONFIRM W. OWNER
S1	1A09B	INTERVIEW 2	A	CONFIRM W. OWNER
S2	1A09C	WARD STOCK	A	CONFIRM W. OWNER
S4	1A09C	WARD STOCK	B	AUTHORIZED PERSONEL ONLY
S1	1A09D	EXAM 2	B	CONFIRM W. OWNER
S1	1A09E	EXAM 1	B	CONFIRM W. OWNER
S2	1A11	SOILED HOLD	A	CONFIRM W. OWNER
S4	1A11	SOILED HOLD	B	AUTHORIZED PERSONEL ONLY
S2	1A12	HAC	A	CONFIRM W. OWNER
S4	1A12	HAC	B	AUTHORIZED PERSONEL ONLY

SIGNAGE LOCATION & MOUNTING GUIDLINES

VIEW: ELEVATION



NOTE: SIGN MOUNTING TYPICAL FOR DOUBLE DOOR CONFIGURATION

C

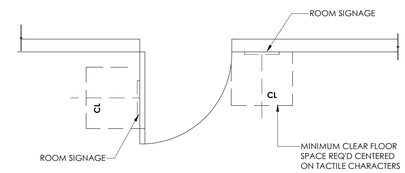
NOTE: SIGN MOUNTING TYPICAL FOR OPPOSITE DOOR CONFIGURATION

B

NOTE: SIGN MOUNTING TYPICAL FOR OPPOSITE DOOR CONFIGURATION

A

VIEW: PLAN



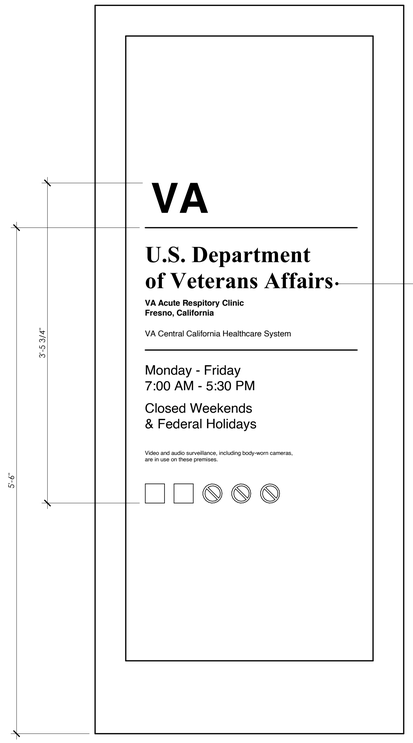
SIGNAGE PLAN LEGEND

S1 — SIGNAGE TYPE TAG

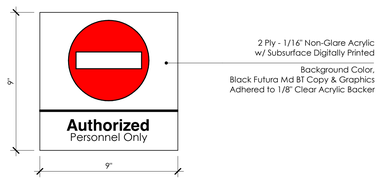
SIGNAGE

SIGNAGE PLAN GENERAL NOTES

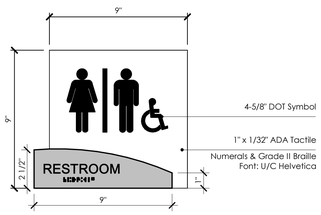
1. ROOM IDENTIFICATION SIGNS TO BE LOCATED ON THE ENTRY SIDE OF ROOM.
2. REFER TO SHEET AW001 FOR CODE REQUIRED SIGN SCHEDULES. REFER TO SHEETS AW001 AND AW002 FOR SIGNAGE SIGNAGE TYPES AND DETAILS.
3. REFER TO AW101(A-D) SHEETS FOR SIGN TYPE PLANS.
4. ALL SIGNAGE TO COMPLY WITH ICC/ANSI A117.1 - 2009 REQUIREMENTS.
5. ALL SIGNAGE COPIES TO VERIFIED BY OWNER BEFORE PROCUREMENT.
6. TACTILE CHARACTERS ON SIGNS SHALL BE LCOATED 48" MIN. A.F.F., MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 80" MAX. A.F.F., MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
7. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND THE 45 DEGREE OPEN POSITION.
8. THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE THERE IS NO WALL SPACE AT THE LATCHSIDE OF THE DOOR, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL.
9. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH MINIMUM AND 2 INCHES MAXIMUM, BASED ON THE HEIGHT OF THE UPPERCASE LETTER 'I'. WHERE SEPARATE RAISED AND VISUAL CHARACTERS WITH THE SAME INFORMATION ARE PROVIED, RAISED CHARACTER HEIGHT SHALL BE PERMITTED TO BE 1/2 INCH MINIMUM.
10. IF CARD READERS ARE PRESENT, COORDINATE LOCATION W/ CARD READER AND VERIFY LOCATION W/ OWNER PRIOR TO MOUNTING.
11. COMPLY WITH ANSI SIGNAGE MOUNTING GUIDELINES.
12. COORDINATE SIGNAGE VERBIAGE AND FINAL COPY W/ OWNER.



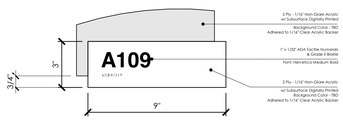
05 S5 - EXTERIOR DOOR SIGN
SCALE: 1 1/2" = 1'-0"



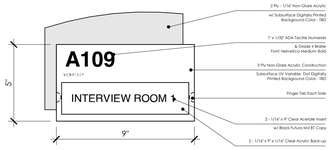
04 S4 - AUTHORIZED ONLY
SCALE: 3" = 1'-0"



03 S3 - RESTROOM
SCALE: 3" = 1'-0"



02 S2 - NUMBERS ONLY
SCALE: 3" = 1'-0"



01 S1 - TYPICAL SIGN
SCALE: 3" = 1'-0"

CLINIC

12"H x 1"D
3D Dimensional Lettering

Font: Helvetica Bold
Finish: Brushed Aluminum - Bronze
*Can be installed vertically @ entrance for wayfinding.

07 S6 - EXTERIOR ARCHITECTURAL LETTERING
SCALE: 1/4" = 1'-0"

VA Fresno

18"H x 1"D
3D Dimensional Lettering

Font: Helvetica Bold
Finish: Brushed Aluminum - Bronze

06 S6 - ARCHITECTURAL LETTERING
SCALE: 1/4" = 1'-0"

100% CONSTRUCTION DOCUMENTS	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: SIGNAGE SCHEDULE & TYPES

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: MH | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: AW-001

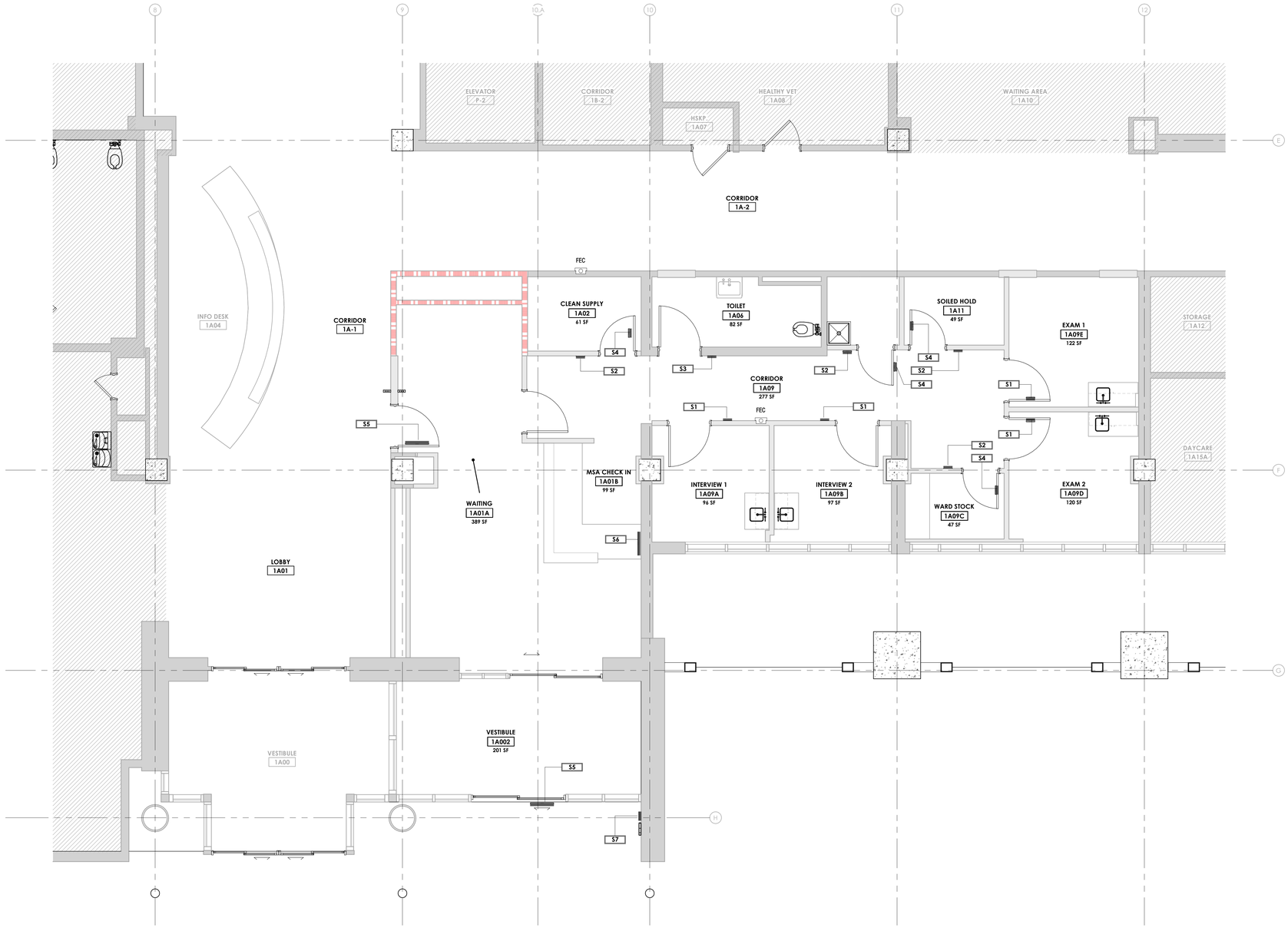
DWG. 21 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



SIGNAGE PLAN LEGEND

S1	SIGNAGE TYPE TAG
—	SIGNAGE

SIGNAGE PLAN GENERAL NOTES

1. ROOM IDENTIFICATION SIGNS TO BE LOCATED ON THE ENTRY SIDE OF ROOM.
2. REFER TO SHEET AW001 FOR CODE REQUIRED SIGN SCHEDULES. REFER TO SHEETS AW001 AND AW002 FOR SIGNAGE SIGNAGE TYPES AND DETAILS.
3. REFER TO AW101(A-D) SHEETS FOR SIGN TYPE PLANS.
4. ALL SIGNAGE TO COMPLY WITH ICC/ANSI A117.1 - 2009 REQUIREMENTS.
5. ALL SIGNAGE COPIES TO VERIFIED BY OWNER BEFORE PROCUREMENT.
6. TACTILE CHARACTERS ON SIGNS SHALL BE LCOATED 48" MIN. A.F.F., MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 80" MAX. A.F.F., MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
7. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND THE 45 DEGREE OPEN POSITION.
8. THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE THERE IS NO WALL SPACE AT THE LATCHSIDE OF THE DOOR, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL.
9. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH MINIMUM AND 2 INCHES MAXIMUM, BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". WHERE SEPARATE RAISED AND VISUAL CHARACTERS WITH THE SAME INFORMATION ARE PROVIDED, RAISED CHARACTER HEIGHT SHALL BE PERMITTED TO BE 1/2 INCH MINIMUM.
10. IF CARD READERS ARE PRESENT, COORDINATE LOCATION W/ CARD READER AND VERIFY LOCATION W/ OWNER PRIOR TO MOUNTING.
11. COMPLY WITH ANSI SIGNAGE MOUNTING GUIDELINES.
12. COORDINATE SIGNAGE VERBIAGE AND FINAL COPY W/ OWNER.

REVISIONS	DATE
100% CONSTRUCTION DOCUMENTS	04/07/2026

CONSULTANTS

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STATE OF MICHIGAN
MICHAEL HAWARNY
ARCHITECT
No. 38315312
LICENSED ARCHITECT
4/7/2026
Michael Hawarny

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DRAWING TITLE: FIRST FLOOR SIGNAGE PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 7, 2026 | CHECKED: MH | DRAWN: AL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: AW-101

DWG. 22 OF 65

Office of Construction and Facilities Management

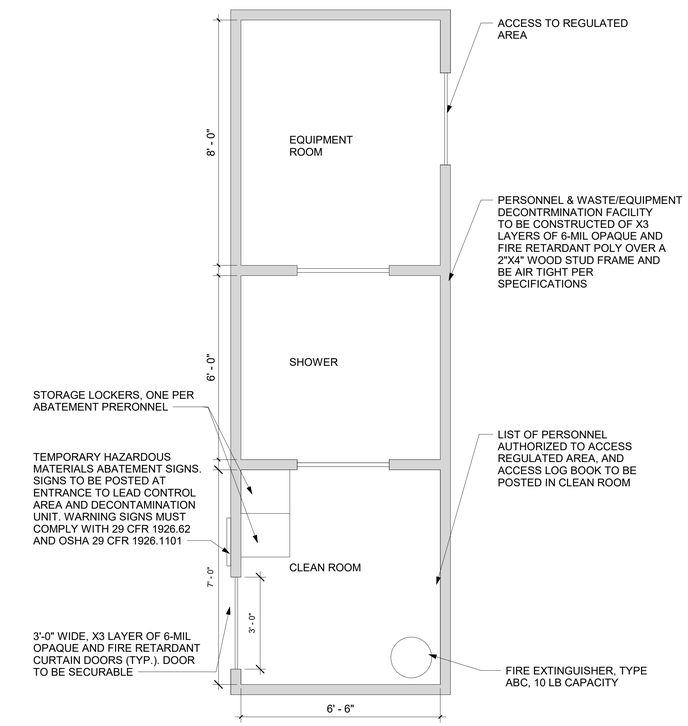
Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

GENERAL HAZARDOUS MATERIALS ABATEMENT NOTES

1. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ALL INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION.
2. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE COR AND/OR ENGINEER.
3. ALL SHUT DOWNS OF EXISTING SYSTEMS SHALL BE SCHEDULED AND APPROVED BY THE COR PRIOR TO COMMENCEMENT OF SAID WORK.
4. JOB SITE TO BE CLEANED DAILY. HAZARDOUS WASTE TEMPORARILY STORED ON SITE SHALL BE CONTAINED IN A PROPERLY SEALED VESSEL UNTIL REMOVAL FROM THE SITE AND DISPOSAL IN ACCORDANCE WITH SPECIFICATION SECTIONS 02 82 11 TRADITIONAL ASBESTOS ABATEMENT, 02 82 13.19 ASBESTOS FLOOR TILE AND MASTIC ABATEMENT, 02 82 13.31 ASBESTOS TRANSITE ABATEMENT.
5. USE OF THE OWNER'S ELEVATORS AND BUILDING CORRIDORS FOR THE HANDLING OF NEW AND/OR REMOVED EQUIPMENT AND MATERIALS SHALL BE AT THE DIRECTION OF THE COR AND SHALL BE COORDINATED WITH HIS OPERATIONS.
6. THE HAZARDOUS MATERIAL ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
7. USE OF OWNER'S UTILITIES (I.E. ELECTRICITY, WATER, HVAC, ETC.) FOR WORK INDICATED ON THESE DOCUMENTS SHALL BE PER THE COR'S APPROVAL PRIOR TO COMMENCEMENT OF SAID WORK.
8. HAZARDOUS MATERIALS ABATEMENT WORK AT ALL TIMES SHALL BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE COR AND CARRIED OUT IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE NORMAL OPERATION OF THE BUILDING.
9. SEAL HVAC REGISTERS AND DIFFUSERS WITHIN THE REGULATED AREA WITH 6 MIL PLASTIC SHEET AND TAPE. TAPE SEAL SEAMS IN HVAC COMPONENTS PASSING THROUGH REGULATED AREA.
10. THE ABATEMENT CONTRACTOR SHALL PLACE ENOUGH NEGATIVE AIR MACHINES, EQUIPPED WITH PRE AND FINAL HEPA FILTERS TO MAINTAIN A -0.02 INCH WCG OR GREATER PRESSURE DIFFERENTIAL INSIDE THE REGULATED AREA FOR EACH PHASE IN ACCORDANCE WITH SPECIFICATION SECTIONS 02 82 11 TRADITIONAL ASBESTOS ABATEMENT, 02 82 13.19 ASBESTOS FLOOR TILE AND MASTIC ABATEMENT. ROUTE NEGATIVE AIR DUCTING IN COORDINATION WITH VA COR TO ENSURE HALLWAY ACCESS IS MAINTAINED DURING EACH PHASE.
11. THE HAZARDOUS MATERIAL ABATEMENT CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ALL WORK.WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, THE DISCREPANCY SHALL BE REPORTED TO THE COR AND/OR ENGINEER FOR RESOLUTION.
12. THE HAZARDOUS MATERIAL ABATEMENT CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ANY WORK.
13. THE HAZARDOUS MATERIAL ABATEMENT CONTRACTOR SHALL CONFORM TO OWNER'S SAFETY AND SECURITY GUIDELINES IN THE PERFORMANCE OF ALL WORK INCLUDED IN THIS CONTRACT.
14. ALL WORK SHALL COMPLY WITH THE MOST RECENT CODE EDITION GOVERNING THE ABATEMENT, TRANSPORT, AND DISPOSAL OF HAZARDOUS WASTE.
15. AS PART OF THIS PROJECT, AEI CONSULTANTS PERFORMED A LIMITED PRE-RENOVATION ASBESTOS SURVEY AND LEAD-BASED PAINT SCREENING FOR THE VA HOSPITAL LOCATED AT 2615 EAST CLINTON AVENUE IN FRESNO, CALIFORNIA 93703. THE SURVEY WAS PERFORMED ON APRIL 26, 2025 TO LOCATE, IDENTIFY, SAMPLE, AND ASSESS THE CONDITION OF BUILDING MATERIALS SUSPECTED OF CONTAINING GREATER THAN ONE TENTH OF ONE PERCENT (>0.1%) ASBESTOS IN ACCORDANCE WITH CAL/OSHA REGULATIONS. IN ADDITION, AEI'S SCOPE OF WORK INCLUDED INSPECTING THE BUILDING, AND SAMPLING PAINTED SURFACES TO BE ANALYZED FOR LEAD.
16. FOR ADDITIONAL INFORMATION ON THE PRESENCE OF HAZARDOUS MATERIALS REFER TO THE VA PROVIDED MILLENNIUM CONSULTING ASSOCIATES VA FRESNO ACM SURVEY, A CAMPUS-WIDE ASBESTOS SURVEY CONDUCTED FROM SEPTEMBER 17, 2012 THROUGH OCTOBER 19, 2012. THIS SURVEY SAMPLED SELECT MATERIALS THROUGHOUT RELEVANT PORTIONS OF BUILDING 1 AND THE OUTPATIENT CLINIC. NOT ALL AREAS MAY HAVE BEEN ACCESSIBLE, AND MATERIALS WITHIN THIS PROJECT SCOPE MAY NOT HAVE BEEN TESTED FOR THE PRESENCE OF ASBESTOS OR LEAD-BASED PAINT. IF DURING THE EXECUTION OF THIS PROJECT ANY SUSPECT MATERIALS ARE DISCOVERED THE CONTRACTOR SHALL NOT DISTURB THOSE MATERIALS AND SHALL IMMEDIATELY NOTIFY THE VA PROJECT COR.



2 PERSONNEL DECONTAMINATION FACILITY (PDF)
1/2" = 1'-0"

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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COLORADO LICENSED ARCHITECT
04/07/26

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DRAWING TITLE: HAZMAT ABATEMENT COVER SHEET

APPROVED:

PROJECT TITLE: ACUTE RESPIRATORY CLINIC (ARC)

LOCATION: 2615 E. CLINTON AVE FRESNO, CA 93703-2223

DATE: 4/7/2026 | CHECKED: NJ | DRAWN: DH

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: HA001

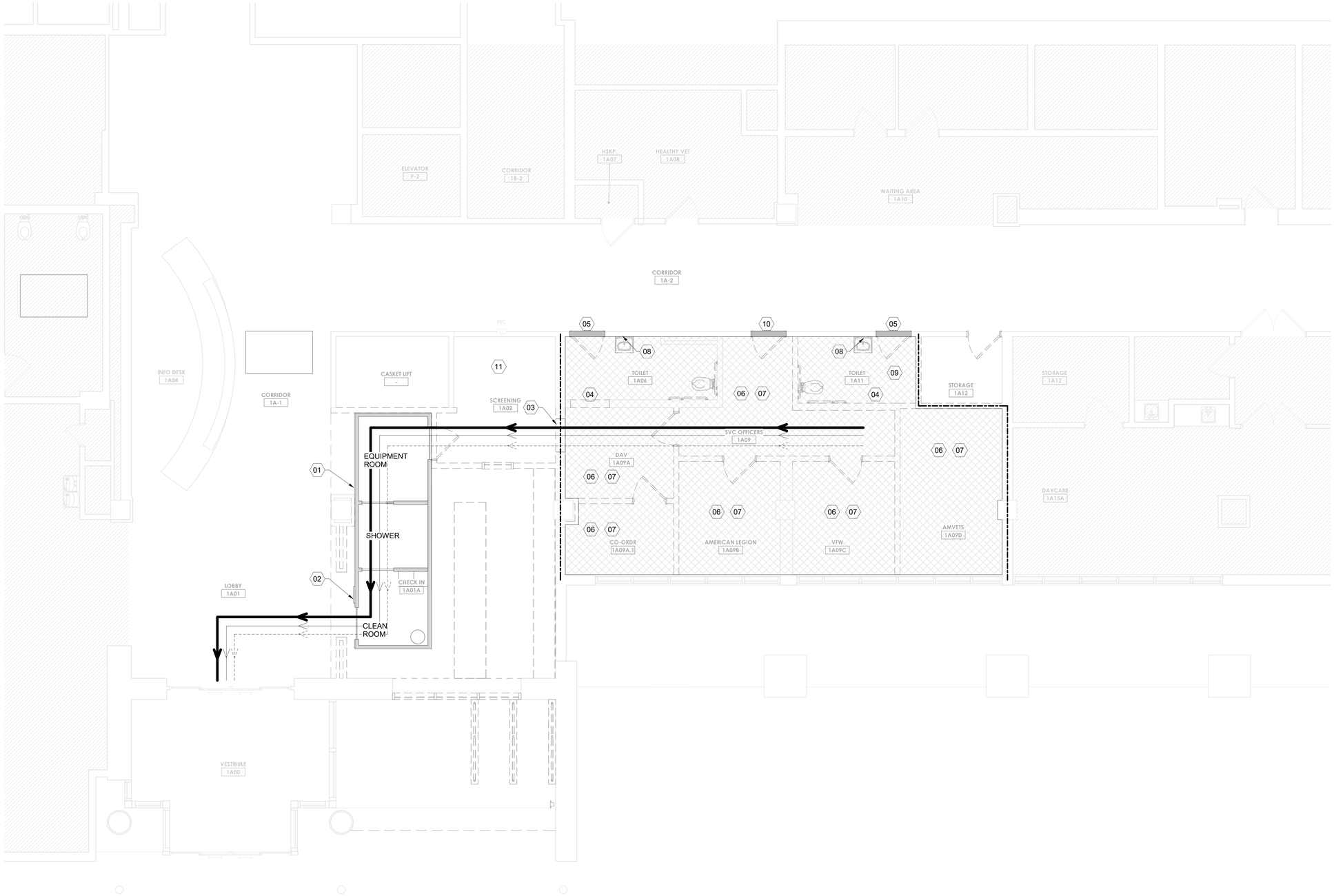
DWG.

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG



1 FIRST FLOOR HAZMAT PLAN
1/4" = 1'-0"

ABATEMENT KEYED NOTES:

1. CONSTRUCT DECONTAMINATION UNIT IN ACCORDANCE WITH DETAILS F1/HA001, AND DIVISION 02 HAZARDOUS MATERIALS ABATEMENT SPECIFICATION.
2. TEMPORARY HAZARDOUS MATERIALS ABATEMENT SIGNS. SIGNS TO BE POSTED AT ENTRANCE TO REGULATED AREA AND DECONTAMINATION UNIT. WARNING SIGNS MUST COMPLY WITH DIVISION 02 HAZARDOUS MATERIALS ABATEMENT SPECIFICATIONS, 29 CFR 1926.62 AND OSHA 29 CFR 1926.1101.
3. DEMO PORTION OF THE WALL TO PROVIDE ACCESS TO THE REGULATED AREA.
4. DEMO PORTION OF THE WALL TO PROVIDE ACCESS TO TOILET.
5. BLOCK DOOR AT THE CORRIDOR SIDE. DOOR TO BE LOCKED FROM INSIDE, SEALED AND TAPED WITH POLY SHEETING.
6. ABATE ASBESTOS CONTAINING MATERIAL IN BLACK MASTIC ASSOCIATED WITH FLOORING.
7. ABATE ASBESTOS CONTAINING MATERIAL IN GREEN RESILIENT FLOOR TILES.
8. ABATE ASSUMED ASBESTOS CONTAINING MATERIAL IN MASTIC IN MIRROR.
9. ABATE ASSUMED ASBESTOS CONTAINING MATERIAL IN CERAMIC FLOOR TILE AND MORTAR.
10. EMERGENCY EGRESS DOORWAY ONLY. DOOR TO BE LOCKED FROM INSIDE, SEALED AND TAPED WITH POLY SHEETING
11. ROOM TO BE CLEARED AND PREPARED AS PART OF THE EGRESS PATH.

ABATEMENT LEGEND:

: REGULATED AREA

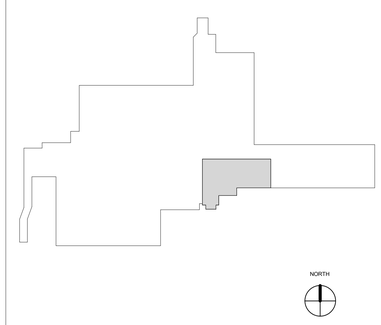
: REGULATED AREA EGRESS ROUTE

: REGULATED AREA PATH OF HAZARDOUS WASTE TRANSPORT

: REGULATED AREA EMERGENCY EGRESS PATH

: EXISTING WALLS TO BE USED AS CONTAINMENT BARRIER

KEY PLAN:



100% FOR CONSTRUCTION	04/07/2026
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DRAWING TITLE: FIRST FLOOR HAZMAT PLAN

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VA FORM 08-6231

7GAE PROJECT NO.: 231154 FILE NAME: TITL-BLK-3042-VA.DWG

DESIGN BASIS

A. APPLICABLE CODES:

2024 INTERNATIONAL BUILDING CODE.
VA H-18-8 SEISMIC DESIGN REQUIREMENTS
ASCE 7-22, MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES

B. GRAVITY LOADS	UNIFORM
1. FLOOR LIVE LOAD	
A. VESTIBULE	100 psf
2. ROOF LIVE LOAD (OPC)	
A. ROOF LIVE LOAD	20 psf
3. EXHAUST FAN WEIGHT	800 LBS INC, PREMANUF. CURB

C. LATERAL LOADS

1. EARTHQUAKE LOADS - NON-STRUCTURAL COMPONENTS

SEISMIC DESIGN FORCE $F_p = 0.4 S_{DS} I_e W_p \left[\frac{H_f}{R_o}\right]\left[\frac{C_{AR}}{R_{po}}\right]$

FORCE AMPLIFICATION AS FUNCTION OF HEIGHT	Hf = 3.5
COMPONENT AMPLIFICATION FACTOR	PER ASCE 7-22 TABLE 13.5-1
COMPONENT STRENGTH FACTOR	& TABLE 13.6-1
RESPONSE MODIFICATION FACTOR	TABLE 13.6-1
RISK CATEGORY SEISMIC	IV
IMPORTANCE FACTOR	I_e = 1.5
SITE CLASS	D
SEISMIC DESIGN CATEGORY	D
SITE COORDINATES	
LATITUDE	36.773315°
LONGITUDE	-119.779667°
SEISMIC PARAMETERS	
S_S = 0.7g	
S_1 = 0.23g	
S_{DS} = 0.65g	
S_{D1} = 0.41g	

SUMMARY OF WORK

STRUCTURAL DESIGN FOR CASKET LIFT INFILL AND NEW VESTIBULE SLAB INFILL. SUPPORT OF NEW ROOTOP UNIT ON OPC ROOF.

SHEET INDEX

SHEET NO.	SHEET TITLE
S-001	STRUCTURAL COVER SHEET & STRUCTURAL NOTES
S-002	STRUCTURAL NOTES, VERIFICATION & INSPECTION SCHEDULES
S-101	EAST WING PARTIAL 1ST FLOOR PLAN - NEW WORK
S-102	OPC PENTHOUSE ROOF PLAN - NEW WORK
S-501	TYPICAL DETAILS
S-502	DETAILS

SYMBOLS

GRID ID — GRID LINES - CENTER
GRID ID — GRID LINES - FACE
DETAIL NO. / SH.# — DETAIL INDICATOR; SHEET NO. WHERE DETAIL IS SHOWN
ELEVATION NO. / 1 / S0.1 — ELEVATION INDICATOR; SHEET NO. WHERE ELEVATION IS SHOWN
SECTION NO. / # / S#.# — SECTION INDICATOR; SHEET NO. WHERE SECTION IS SHOWN

ABBREVIATIONS

#	NUMBER
&	AND
=	EQUAL, EQUALS
@	AT
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ABV	ABOVE
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AHJ	AUTHORITY HAVING JURISDICTION
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AT/FP	ANTI-TERRORISM FORCE PROTECTION
AWS	AMERICAN WELDING SOCIETY
BTWN	BETWEEN
BLW	BELOW
BM	BEAM
BLKG	BLOCKING
BN	BOUNDARY NAIL
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BRG	BEARING
BSFRM	BASE FRAME
C	CHANNEL
CE	CARBON EQUIVALENT
CENT	CENTERED
CFMF	COLD-FORMED METAL FRAMING
CFS	COLD-FORMED STEEL
CIP	CAST IN PLACE
CJ	CONTROL JOINT/CEILING JOIST
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONN	CONNECT, CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COR	CORNER
CWB	CAPILLARY WATERBARRIER
D	DEEP, DEPTH
DEG	DEGREE
DEM	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL

DL	DEADLOAD
DO	DITTO
DT	DRAG TRUSS
DWG(S)	DRAWINGS
DWL	DOWEL
EA	EACH
EF	EACH FACE
EFF	EFFECTIVE
ELEC	ELECTRICAL
ELEV	ELEVATION
EMBED	EMBEDDED, EMBEDMENT
EN	EDGE NAIL
EQ	EQUAL
EQN	EQUATION
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXIST	EXISTING
EXT	EXTERNAL, EXTERIOR
FF	FAR FACE/FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FJ	FLOOR JOIST
FRM	FRAME
FRMG	FRAMING
FN	FIELD NAIL
FND	FOUNDATION
FO	FACE OF
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FS	FAR SIDE
FT, '	FOOT
FTG	FOOTING
Fy	YIELD STRESS
GA	GAUGE
GLB	GLUED LAMINATED BEAM
GT	GIRDER TRUSS
GUSS	GUSSET
GYP BD	GYPSUM BOARD
HD	HOLD DOWN
HDR	HEADER
HGR	HANGER
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HVAC	HEATING/ VENTILATING/ AIR CONDITIONING
I	MOMENT OF INERTIA
IBC	INTERNATIONAL BUILDING CODE
ICF	INSULATED CONCRETE FORM
ID	INSIDE DIAMETER
IN, "	INCH
INCL	INCLUDE
INFO	INFORMATION
INS	INSULATED, INSULATION

JST	JOIST
K, KIPS	THOUSAND POUNDS
L	LENGTH, ANGLE
LB	POUND
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATE, LOCATION
LONG	LONGITUDINAL
LP	LOW POINT
LW	LIGHT WEIGHT
MAS	MASONRY
MB	MACHINE BOLT
MBR	MEMBER
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MED	MEDIUM
MEZZ	MEZZANINE
MF	MOMENT FRAME
MFR	MANUFACTURER
MFG	MANUFACTURING
MIN	MINIMUM
MO	MASONRY OPENING
MOD	MODIFY, MODIFIED
MFR	MANUFACTURER
NF	NEAR FACE
NOM	NOMINAL
NS	NEAR SIDE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND, OVERHEAD
OP	OPERATING
OPNG	OPENING
OWSJ	OPEN WEB STEEL JOIST
P/C	PIN CONNECTED
PAR	PARALLEL
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PEN	PENETRATION
PF,J	PERIMETER FELT JOINT
PL	PLATE
PLYWD	PLYWOOD
PNL	PANEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED, POINT, PRETENSIONED
REINF	REINFORCING, REINFORCED
REQ	REQUIRE
REQD	REQUIRED
REQMT	REQUIREMENT
RET	RETURN, RETAINING
REV	REVISION, REVISED
RF	ROOF RFT RAFTERS
RPM	REVOLUTIONS PER MINUTE

RS	ROUGH SAWN
RT	ROOF TRUSS
S	SECTION MODULUS
SAD	SEE ARCHITECTURAL DRAWINGS
SC	SLIP CRITICAL
SCBRW	SEGMENTAL CONCRETE BLOCK RETAINING WALL
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SEIS	SEISMIC
SEOR	STRUCTURAL ENGINEER OF RECORD
SEP	SEPARATION
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SMS	SHEET METAL SCREW
SOG	SLAB ON GRADE
SPEC(S)	SPECIFICATION(S)
SPRT	SUPPORT
SQ	SQUARE
SS	STAINLESS STEEL
ST	SNUG TIGHT
STD	STANDARD
STIF/STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL, STRUCTURE
SUSP	SUSPENDED
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
THK	THICK, THICKNESS
TL	TOTAL LOAD
TN	TOE NAIL
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOGB	TOP OF GRADE BEAM
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UFC	UNITED FACILITES CRITERIA
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
VB	VAPOR BARRIER
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WIDTH, WEST, WIDE FLANGE
W/	WITH
W/O	WITHOUT
WF	WIDE FLANGE
WPT	WORKING POINT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
x	BY, TIMES

STRUCTURAL NOTES

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL STANDARDS AND APPLICABLE PROVISIONS OF THE CURRENT BUILDING CODES LISTED HEREIN. ASTM REFERENCES ARE FROM THE LATEST ISSUE AND LATEST REVISION, UNLESS OTHERWISE NOTED.
2. THE PROJECT SPECIFICATIONS ARE A PART OF THE CONTRACT DOCUMENTS. IF THERE IS A DISCREPANCY FOUND BETWEEN THE REQUIREMENTS OF SPECIFICATIONS AND THE DRAWINGS, THE MOST STRINGENT SHALL GOVERN.
3. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE, AND SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS, INCLUDING THOSE FURNISHED BY SUB-CONTRACTORS. ANY DISCREPANCIES AND/OR VARIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO FABRICATION OR CONSTRUCTION.
4. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT LIMITED TO BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR THE EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR THE ENGINEER SHALL NOT INCLUDE THE INSPECTION OF THE ABOVE ITEMS.
5. DETAILS SHOWN ON DRAWINGS APPLY AT ALL LIKE CONDITIONS. THESE DRAWINGS SHOW ONLY REPRESENTATIVE AND TYPICAL DETAILS TO ASSIST THE CONTRACTOR. THE DRAWINGS DO NOT ILLUSTRATE EVERY CONDITION. ALL ATTACHMENT, CONNECTIONS, FASTENINGS, ETC. TO BE PROPERLY SECURED IN CONFORMANCE WITH BEST PRACTICE, AND THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THEM.
6. DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.
7. NO PIPES, CONDUITS, OR DUCTS SHALL BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ENGINEER.
8. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL INFORMATION AND NON-STRUCTURAL ITEMS NOT SHOWN HEREIN, INCLUDING:
   a. ALL FLOOR, ROOF, & WALL OPENINGS.
   b. INTERIOR & EXTERIOR NON-BEARING WALLS/PARTITIONS.
   c. DETAILED SLAB FEATURES SUCH AS CURBS, DEPRESSIONS, AND SLOPES.
   d. STAIR FRAMING AND DETAILS, EXCEPT AS SHOWN OR NOTED HEREIN.
9. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ALL INFORMATION RELATED TO MEP ITEMS & DISTRIBUTION SYSTEMS EXCEPT AS SHOWN OR NOTED HEREIN.
10. CONSTRUCTION MATERIALS, PLACED ON STRUCTURAL MEMBERS, SHALL BE POSITIONED SUCH THAT THE LOADING DOES NOT EXCEED DESIGN LOADS LISTED HEREIN.
11. DETERMINE THE LOCATION OF UTILITY SERVICES IN AREAS TO BE EXCAVATED BEFORE BEGINNING EXCAVATION. EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING. DAMAGE CAUSED AS A RESULT OF FAILING TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
12. THE CAD DRAWING FILES ARE THE PROPERTY OF THE STRUCTURAL ENGINEER AND WILL NOT BE RELEASED TO THE CONTRACTOR OR SUBCONTRACTORS FOR THEIR USE.
13. STRUCTURAL DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS BY: SEVEN GENERATIONS A+E

SHOP DRAWINGS/SUBMITTALS

1. THE FOLLOWING SUBMITTAL SHALL BE SUBMITTED TO THE SEOR PRIOR TO FABRICATION FOR APPROVAL:
   a. STRUCTURAL STEEL
   b. METAL DECK
   c. MIX DESIGN FOR:
      i. CONCRETE
   d. REINFORCING BAR LAYOUT FOR:
      i. CONCRETE
2. STRUCTURAL FRAMING AND REINFORCING LISTS, QUANTITIES AND LENGTHS OF ALL MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE COMPLIANCE WITH THE CONTRACT DOCUMENTS. THESE ITEMS ARE NOT INCLUDED IN SEOR REVIEW.
3. REVIEW OF SHOP DRAWINGS BY THE SEOR IS FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND STRUCTURAL DESIGN INTENT. ALL ERRORS IN DETAILING, FABRICATION, AND FOR CORRECT FITTING OF ALL STRUCTURAL MEMBERS INCLUDING COORDINATION WITH OTHER TRADES IS THE RESPONSIBILITY OF THE CONTRACTOR. SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER DO NOT CONSTITUTE CHANGE ORDERS. ANY PROPOSED CHANGES MUST BE SUBMITTED IN A LETTER OR DETAIL TO THE SEOR FOR APPROVAL.
4. SHOP DRAWINGS SHALL BE SUBMITTED AT LEAST TWO WEEKS PRIOR TO THE SCHEDULED FABRICATION DATE. A DIGITAL SET CLEARLY MARKED WITH ANY COMMENTS WILL BE RETURNED TO THE CONTRACTOR.
5. ANY SHOP DRAWINGS SHALL BE INDEPENDENTLY CREATED BASED ON THE INFORMATION SHOWN IN THE APPROVED STRUCTURAL DRAWINGS.

DEMOLITION NOTES

1. THESE PLANS REPRESENT INFORMATION TAKEN FROM THE ORIGINAL CONSTRUCTION DOCUMENTS WHERE AVAILABLE AND SITE OBSERVATION. DURING DEMOLITION ALL CONDITIONS LISTED AS EXISTING ARE TO BE CONFIRMED IN THE FIELD. ALL CONDITIONS FOUND TO BE DIFFERENT FROM THE CONDITIONS REPRESENTED IN THESE PLANS AND THOSE OF OTHER DISCIPLINES ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
2. THE CONTRACTOR SHALL SUPPLY ALL SHORING AND TEMPORARY BRACING AND STRUCTURAL ENGINEERING NECESSARY TO PERFORM WORK EXCEPT WHERE SPECIFICALLY DETAILED IN THESE DRAWINGS. ALL ENGINEERING IS TO BE PERFORMED BY A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.
3. ALL BUILDING COMPONENTS SUCH AS ROOF BEAMS, GIRDERS AND SUB-PURLINS SHALL BE PROPERLY SHORED AND BRACED AS DESIGNED PRIOR TO REMOVAL OF ANY SUPPORTING MEMBERS.
4. ALL TEMPORARY SHORING AND BRACING SHALL REMAIN IN PLACE UNTIL NEW SUPPORTING FRAMING IS PROPERLY SECURED AND/OR ANCHORED IN PLACE AND EXISTING SHORED BUILDING COMPONENTS ARE PROPERLY ATTACHED ACCORDING TO THE DETAILS SPECIFIED HEREIN.
5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF UTILITIES SHUTDOWN PRIOR TO DEMOLITION (I.E. GAS, WATER, ELECTRICAL SUPPLIES). ANY SHUTDOWN OF THE FIRE PROTECTION SYSTEM IS TO BE COORDINATED WITH THE LOCAL FIRE DEPARTMENT AND THE FIRE PROTECTION SYSTEM CONSULTANT.
6. CONTRACTOR IS TO PROVIDE OSHA APPROVED PUBLIC BARRIERS AND ACCESS AS REQUIRED.
7. CONTRACTOR TO FIELD VERIFY LOCATION OF ANY EXISTING UNDERGROUND PIPING, ELECTRICAL CONDUIT LINES, ETC., OR PIPING IN CONCRETE SLAB PRIOR TO SAWCUTTING.
8. IN PREPARATION OF THESE DRAWINGS IT HAS BEEN NECESSARY TO ASSUME SOME AS-BUILT CONDITIONS TO EXIST TO COMPLETE THE DESIGN WORK. WHERE THESE ASSUMPTIONS ARE MADE THE CONDITION IS IDENTIFIED AS "ASSUMED" OR "VERIFY IN FIELD (V.I.F)" ON THE DRAWINGS. CONTRACTOR SHALL VERIFY THESE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE SEOR IF THE WORK REQUIRES MODIFICATION OF THESE AS- BUILT CONDITIONS.

INTERIOR FLOOR SLAB

1. NO ADMIXTURES ARE ALLOWED IN CONCRETE. ALL MIX DESIGNS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL. THE CONCRETE MIX DESIGN IS TO USE A MINIMUM OF 6 SACKS OF CEMENT.
2. CONCRETE SLAB JOINTS:
   a. SAW-CUT JOINT: CUT WITH "SOFT-CUT" EQUIPMENT AT EARLIEST POSSIBLE TIME WITHOUT RAVELING CONCRETE. APPLY CURING COMPOUND IMMEDIATELY. WET BLADE SAW-CUT JOINT (1 1/2" DEEP)AFTER CURING. FILL JOINTS IN TRAFFIC AREAS WITH JOINT FILLER.
   b. CONSTRUCTION JOINT: AFTER REMOVING FORMS, WATER CURE EDGES UNTIL ADJACENT SLAB IS POURED. AT TIME OF JOINT FILLER APPLICATIONS, SAW-CUT JOINT AND FILL WITH JOINT FILLER AT TRAFFIC AREAS.
   c. REFER TO TYPICAL DETAILS FOR SLAB JOINT DETAIL.
3. INSTALL CURING COMPOUND (TWO COATS MINIMUM APPLIED IN DIFFERENT DIRECTIONS) IMMEDIATELY AFTER SLAB HAS BEEN FINISHED.
4. JOINT FILLER IS TO BE PER PROJECT SPECIFICATIONS. MM-80 OR EQUAL.
5. SLAB IS NOT TO BE LOADED IN ANY MANNER FOR AT LEAST (1) ONE WEEK AFTER PLACEMENT. LIGHT CONSTRUCTION TRAFFIC WITH PNEUMATIC TIRES AND FOOT TRAFFIC IS ALLOWED AFTER (7) DAYS.
6. POWER VIBRATING SCREED IS TO BE USED.
7. FOG SPRAY CAPABILITY TO BE PROVIDED AT ALL TIMES CONCRETE IS BEING PLACED, FINISHED, AND CURED.
8. ALL EQUIPMENT SHALL HAVE PROTECTION TO PREVENT LEAKAGE FROM EQUIPMENT ONTO THE CONCRETE SLABS.
9. SLAB REINFORCEMENT IS TO BE CHAIRED IN PLACE (AT SLAB CENTERLINE) AT 36" o.c. PRIOR TO CONCRETE PLACEMENT. AT NO TIME SHALL CONC. TRUCKS BE ALLOWED TO DRIVE ON CHAIRED REINFORCEMENT.
10. NO PIPES, DUCTS OR CONDUITS SHALL BE PLACED IN THE FLOOR SLAB UNLESS SPECIFICALLY DETAILED IN THESE PLANS OR UNLESS PRIOR WRITTEN APPROVAL IS GIVEN BY THE STRUCTURAL ENGINEER.
11. SPECIAL EFFORT SHALL BE MADE TO MAINTAIN THE SLAB CONCRETE TEMPERATURE BELOW 80 DEGREES FARENHEIT DURING INITIAL CASTING AND DURING THE FIRST 48 HOURS OF CURING.

CONCRETE

1. CEMENT SHALL CONFORM TO ASTM C150, TYPE II/V.
2. CONDUITS EMBEDDED HORIZONTALLY IN THE SLAB SHALL HAVE AN OUTSIDE DIAMETER NO GREATER THAN 1/3 THE THICKNESS OF THE SLAB. CONDUIT SHALL NOT BE EMBEDDED IN A SLAB THAT IS LESS THAN 3 1/2" THICK, EXCEPT FOR LOCAL OFFSETS, MIN. CLEAR DISTANCE BETWEEN CONDUITS SHALL BE 6". REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF ALL PIPES, CONDUITS, ETC. NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE BEAMS, FOOTINGS, OR SLABS, UNLESS SPECIFICALLY DETAILED IN THESE PLANS, OR AS APPROVED BY THE STRUCTURAL ENGINEER.
3. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33, 1 1/2" MAXIMUM SIZE. AGGREGATES FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330, 1" MAXIMUM SIZE.
4. THE MAXIMUM CONCRETE SLUMP SHALL BE PER SCHEDULE BELOW PRIOR TO THE ADDITION OF ANY PLASTICIZING ADMIXTURES.
5. ADMIXTURES MAY BE USED WITH PRIOR WRITTEN APPROVAL OF THE ENGINEER. APPROVAL MUST BE RECEIVED DURING THE BUILDING PERIOD. ADMIXTURES SHALL COMPLY WITH ASTM A494 AND BE OF THE TYPE THAT INCREASE THE WORKABILITY OF THE CONCRETE, BUT SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT. (CALCIUM CHLORIDE SHALL NOT BE USED).
6. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C94.
7. ALL REINFORCING BARS AND INSERTS SHALL BE SECURED IN PLACE PRIOR TO CONCRETE, POUR.
8. NON-STRUCTURAL STEEL MEMBERS EMBEDDED IN CONCRETE SHALL BE GALVANIZED OR PAINTED. ALL DAMAGED GALVANIZED AREAS SHALL BE REPAIRED PRIOR TO EMBEDMENT.
9. LIGHT-WEIGHT CONCRETE FILL SHALL HAVE A MAXIMUM DRY DENSITY OF 110 pcf. ALL OTHER CONCRETE SHALL HAVE A MAXIMUM DRY DENSITY OF 150 pcf.
10. MINIMUM CONCRETE COMPRESSIVE STRENGTH AND MAXIMUM SLUMPS:

	MIN f'c (28 DAYS)	MAX SLUMP	W/C
SLAB ON GRADE	3,000 psi	3" +/- 1"	0.45
LW DECK FILL	3,000 psi	3" +/-1"	0.45

11. PROVIDE CONSTRUCTION AND CONTROL JOINTS AS SHOWN ON PLANS AND IN TYPICAL DETAILS UNLESS SPECIFIED OTHERWISE. LOCATION OF JOINTS NOT SPECIFICALLY INDICATED SHALL BE REVIEWED BY THE SEOR PRIOR TO PLACING REINFORCING STEEL.
12. DRY PACK SHALL BE ONE PART CEMENT AND 2 3/4 PARTS SAND WITH SUFFICIENT WATER TO HYDRATE CEMENT AND FORM A BALL SHOWING MOISTURE ON THE SURFACE WHEN SQUEEZED. IT SHALL BE RAMMED IN TIGHT TO MAXIMUM DENSITY ATTAINABLE, AND SHALL HAVE A MINIMUM STRENGTH OF 5000 PSI AT 28 DAYS.
13. NON-SHRINK GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 7,000 psi PER ASTM C109. GROUT BASE PLATES AFTER PLUMBING OF COLUMN.
14. CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4 INCH.
15. ALL CONCRETE WHICH DURING THE LIFE OF THE STRUCTURE WILL BE SUBJECT TO FREEZING TEMPERATURES WHILE WET, SHALL HAVE A WATER CEMENT RATIO NOT EXCEEDING 0.45 BY WEIGHT AND SHALL CONTAIN ENTRAINED AIR PER ACI 613. SUCH CONCRETE SHALL INCLUDE EXTERIOR SLABS, PERIMETER FOUNDATIONS, EXTERIOR CURBS, ETC.
16. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS, INCLUDING AGGREGATE GRADATION, FOR CONCRETE STRENGTH F'c > 2500 PSI.

REINFORCING STEEL

1. METAL REINFORCING:

BAR DIAMETERS OF #4 AND GREATER	ASTM A615 GRADE 60
OTHER DIAMETER	ASTM A615 GRADE 40
WELDED WIRE FABRIC	ASTM 185
REINFORCING STEEL TO BE WELDED	ASTM A706

2. ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST ACI STANDARDS AND THE LATEST EDITION OF THE GOVERNING CODES HEREIN.
3. ALL REINFORCING SHALL BE ADEQUATELY SUPPORTED TO PREVENT DISPLACEMENT BY CONCRETE PLACEMENT OR WORKERS.
4. FOR WELDING OF REINFORCING BARS SPECIAL INSPECTION IS REQUIRED. TESTING IS REQUIRED FOR ALL WELDS THICKER THAN 5/16".
5. WHERE REINF. BARS ARE CALLED OUT TO BE CONTINUOUS (CONT.) PROVIDE CONTINUOUS BARS OR FULL SPLICES PER SPLICE TABLE SCHEDULE. IT IS CONTRACTOR'S OPTION TO PROVIDE CONTINUOUS BARS WHERE SPLICES ARE SHOWN.
6. MESH SPLICES SHALL BE A MINIMUM OF TYPICAL GRID SPACING PLUS 2" (8" MINIMUM) MEASURED BETWEEN CROSS WIRES.
7. PROVIDE MINIMUM CONCRETE COVER FOR REINFORCING IN ACCORDANCE WITH THE LATEST ACI STANDARDS AND THE LATEST EDITION OF THE CURRENT BUIDLING CODE HEREIN:

MINIMUM PROTECTIVE COVER FOR REINFORCING STEEL	
ON EARTH SIDE WHEN PLACED AGAINST EARTH	3"
ON EARTH SIDE WHEN FORMED	2"
WELDED WIRE FABRIC	CENTERLINE OF SLAB

8. SLAB ON GRADE REINFORCEMENT SHALL BE POSITIONED AT MID-DEPTH UNO.
9. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS AND INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE OR GROUT.
10. WELDING OF REINFORCING BARS SHALL CONFORM TO AWS D1.4. E90XX ELECTRODES SHALL BE USED IN WELDING GRADE 60 REBAR.
11. ALL REINFORCEMENT SHALL BE BENT COLD. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.
12. COORDINATE PLACEMENT OF CAST-IN-PLACE EMBEDS AND ANCHOR RODS. SET ANCHOR RODS WITH A TEMPLATE. SECURELY ATTACH EMBED ITEMS TO FORMWORK OR REINFORCING.
13. PROVIDE CLASS "B" REINFORCEMENT SPLICES FOR CONTINUOUS REINFORCEMENT. PROVIDE STANDARD 90-DEGREE HOOKS IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE.
14. DO NOT WELD OR BEND REINFORCEMENT IN THE FIELD UNLESS SPECIFICALLY SHOWN OR APPROVED BY STRUCTURAL ENGINEER.
15. WHERE REQUIRED, PROVIDE DOWELS TO MATCH SIZE AND SPACING OF MAIN REINFORCING, UNO.

WELDING

1. ALL WELDING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICAN WELDING SOCIETY CODE AWS D1.1, LATEST ADOPTED EDITION.
2. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS HOLDING CURRENT VALID AWS CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD CALLED FOR ON THE DRAWINGS.
3. ALL SHOP WELDING SHALL BE PERFORMED BY CERTIFIED OPERATORS UNDER THE SUPERVISION OF AN APPROVED FABRICATOR AND IN A SHOP APPROVED BY THE GOVERNING BUILDING DEPARTMENT. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED OPERATOR. IF WELDING IS PERFORMED IN A NON-APPROVED SHOP, SPECIAL INSPECTION IS REQUIRED.
4. ALL WELDING SHALL BE PERFORMED USING THE SHIELDED METAL ARC WELDING (SMAW) PROCESS WITH APPROVED ELECTRODES PER AWS SPECIFICATIONS E70XX (LOW HYDROGEN ELECTRODES).
5. ALL WELDS SHALL HAVE A WELD CONTROLLED SEQUENCE AND TECHNIQUE IN ORDER TO MINIMIZE SHRINKAGE STRESSES AND DISTORTION.
6. ALL ELECTRODE FILLER MATERIAL SHALL BE A MINIMUM OF E70XX. FILLER METAL TOUGHNESS FOR COMPLETE PENETRATION GROOVE WELDS SHALL COMPLY WITH AWS AND SHALL HAVE A CHARPY V NOTCH (CVN) TOUGHNESS OF 20 FOOT-POUNDS AT ZERO DEGREES FAHRENHEIT AND TESTED PER AWS FILLER METAL SPECIFICATIONS. WELD ELECTRODES IDENTIFIED AS E70T-4 OR 120 WILL NOT MEET THIS TOUGHNESS REQUIREMENT AND SHALL NOT BE USED IN FULL OR PARTIAL PENETRATION GROOVE WELDS.
7. WELDING OF SHEET METAL SHALL BE IN ACCORDANCE WITH AWS D1.3.
8. ALL FIELD WELDING REQUIRES SPECIAL INSPECTION.
9. AN APPLICATION FOR OFF-SITE FABRICATION MUST BE SUBMITTED TO THE FIELD INSPECTION DIVISION FOR APPROVAL PRIOR TO FABRICATION. A CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION MUST BE COMPLETED AND SUBMITTED TO THE FIELD INSPECTION DIVISION PRIOR TO THE ERECTION OF PREFABRICATED COMPONENTS.

METAL DECKING

1. DECKING SHALL BE BY VERCO MANUFACTURING, INC., OR APPROVED EQUAL. TYPE AND GAUGE AS SPECIFIED ON PLANS. INSTALLATIONS SHALL BE PER MFR'S CURRENT APPROVED CODE REPORTS.
2. FOR COMPOSITE METAL DECK WITH CONCRETE, DECKING SHALL BOND TO CONCRETE AND BE TREATED FOR RUST PREVENTION. SURFACES IN CONTACT WITH CONCRETE SHALL BE PHOSPHATIZED OR GALVANIZED.
3. METAL DECK ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM A653, SS GRADE 33. THE FINISH SHALL BE ZINC COATING CONFORMING TO ASTM A525, CLASS G-60 (G90) WHERE SPECIFIED.
4. CONCRETE ADMIXTURES CONTAINING CHLORIDE OR CHLORIDE SALTS SHALL NOT BE USED.
5. INSTALL DECK PER STRUCTURAL DETAILS AT ALL OPENINGS, COLUMNS, AND REQUIRED PENETRATIONS AND SUPPLY ALL NECESSARY ACCESSORY ITEMS SUCH AS CLOSURES, INSULATION CLIPS, ROOF SUMP RECESSES, ETC. ALL ACCESSORIES SHAL

STRUCTURAL NOTES, VERIFICATION & INSPECTION SCHEDULES

STATEMENT OF SPECIAL INSPECTIONS

THIS "STATEMENT OF SPECIAL INSPECTIONS" IS SUBMITTED IN FULFILLMENT OF THE REQUIREMENTS OF THE CURRENT GOVERNING CODES LISTED HEREIN.

THE VERIFCATION & INSPECTION SCHEDULESS SUMMARIZES THE SPECIAL INSPECTIONS AND TESTS REQUIRED. SPECIAL INSPECTORS WILL REFER TO THE APPROVED PLANS AND SPECIFICATIONS FOR DETAILED SPECIAL INSPECTION REQUIREMENTS. ANY ADDITIONAL TESTS AND INSPECTIONS REQUIRED BY THE APPROVED PLANS AND SPECIFICATIONS SHALL ALSO BE PERFORMED.

SPECIAL INSPECTIONS AND TESTING WILL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, THIS STATEMENT AND CBC SECTIONS 1704A, 1705A. INTERIM REPORTS WILL BE SUBMITTED TO THE AHJ AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH CBC SECTION 1704A.2.4.

A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS, TESTING AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PRIOR TO ACCEPTANCE OF THE BUILDING BY AHJ. THE FINAL REPORT WILL DOCUMENT:

- REQUIRED SPECIAL INSPECTIONS.
- CORRECTION OF DISCREPANCIES NOTED IN INSPECTIONS.

THE CONTRACTOR RECOGNIZES HIS OR HER OBLIGATION TO ENSURE THAT THE CONSTRUCTION COMPLIES WITH THE APPROVED PERMIT DOCUMENTS AND TO IMPLEMENT THIS PROGRAM OF SPECIAL INSPECTIONS. IN PARTIAL FULFILLMENT OF THESE OBLIGATIONS, THE CONTRACTOR WILL RETAIN AND DIRECTLY PAY FOR THE SPECIAL INSPECTIONS AS REQUIRED IN RELEVANT SECTIONS OF THE GOVERNING CODES LISTED HEREIN.

THIS PLAN HAS BEEN DEVELOPED WITH THE UNDERSTANDING THAT THE CONTRACTING OFFICER WILL:

- REVIEW AND APPROVE THE QUALIFICATIONS OF THE SPECIAL INSPECTORS WHO WILL PERFORM THE INSPECTIONS.
- MONITOR SPECIAL INSPECTION ACTIVITIES ON THE JOB SITE TO ASSURE THAT THE SPECIAL INSPECTORS ARE QUALIFIED AND ARE PERFORMING THEIR DUTIES AS CALLED FOR IN THIS STATEMENT OF SPECIAL INSPECTION.
- REVIEW SUBMITTED INSPECTION REPORTS.
- PERFORM INSPECTIONS AS REQUIRED BY THE LOCAL BUILDING CODE.

NOTICE TO THE APPLICANT/OWNER/ OWNER'S AGENT/ARCHITECT OR ENGINEER OF RECORD:

- BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF CITY OF FRESNO FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.

NOTICE TO THE CONTRACTOR/BUILDER/INSTALLER/SUB-CONTRACTOR/OWNER-BUILDER:

- BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE AND ARE AWARE OF, THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF CITY OF FRESNO FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.
- THE SPECIAL INSPECTOR MUST BE CERTIFIED BY THE CITY OF FRESNO, DEVELOPMENT SERVICES, IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.
- THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE CITY OF FRESNO, DEVELOPMENT SERVICES, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND EQUIPMENT.
- THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE, IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A CITY'S BUILDING INSPECTOR.

SPECIAL INSPECTION LEGEND

NOTATION USED IN TABLE:

COLUMN HEADERS:

FOR STRUCTURAL STEEL:

QC QUALITY CONTROL (QC) AS SPECIFIED IN THIS AISC 360 SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR.

QA QUALITY ASSURANCE (QA) AS SPECIFIED IN THIS CHAPTER SHALL BE PROVIDED BY THE SPECIAL INSPECTOR OR QUALITY ASSURANCE INDIVIDUAL IF QUALIFIED.

O OBSERVE THESE ITEMS ON A RANDOM BASIS AT A MINIMUM OF [10%, 15%, 20%, 25%] OF THE TASKS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

PC PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER CONTINUOUSLY.

PP THESE INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.

D DOCUMENT – THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORT NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT UP, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION REPORT.

FOR OTHER MATERIALS:

C INDICATES CONTINUOUS INSPECTION IS REQUIRED DURING TASK LISTED. SPECIAL INSPECTION IS PRESENT WHEN AND WHERE THE WORK IS TO INSPECTED IS BEING PERFORMED.

P INDICATES PERIODIC INSPECTIONS ARE REQUIRED DURING TASK LISTED. SPECIAL INSPECTOR IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.

BOX ENTRIES:

X IS PLACED IN THE APPROPRIATE COLUMN TO DENOTE EITHER "C" CONTINUOUS OR "P" PERIODIC INSPECTIONS.

--- DENOTES NO SPECIAL INSPECTION IS REQUIRED.

1 DENOTES ONE TIME INSPECTION.

ADDITIONAL DETAIL REGARDING INSPECTIONS AND TESTS ARE PROVIDED IN THE PROJECT SPECIFICATIONS OR NOTES ON THE DRAWINGS.

REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL WELDING

VERIFICATION AND INSPECTION	QC	QA	APPLICABLE	REFERENCED STANDARD	CBC/IBC REF.
1. INSPECTION TASKS PRIOR TO WELDING					
A. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	PC	O	●	AISC 360, SECTION N5.4 AWS D1.1/D1.1M	1705A.2.7, 1705A.2.1, 1705A.2.2, 1705A.13.1, 1705A.14.1
B. WPS (WELDER PROCEDURE SPECIFICATIONS) CONSUMABLES AVAILABLE	PC	PC			
C. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	O	O	●		
D. MATERIAL INDENTIFICATION (TPYE/GRADE)	O	O	●		
E. WELDER IDENTIFICATION SYSTEM • FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED • DIE STAMPING OF MEMBERS SUBJECTED TO FATIGUE SHALL BE PROHIBITED UNLESS APPROVED BY THE ENGINEER OF RECORD	O	O	●		
F. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PENETRATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	O	O	●		
G. FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y-, AND K-CONNECTIONS WITHOUT BACKING (INCLUDES JOINT GEOMETRY • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENINGS, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	PC	O			
H. CONFIGURATION AND FINISH OF ACCESS HOLES	O	O	●		
I. FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	O	O	●		
J. CHECK WELD EQUIPMENT	O	O	●		
2. INSPECTION TASKS DURING WELDING					
A. USE OF QUALIFIED WELDERS	O	O	●	AISC 360, SECTION N5.4 AWS D1.1/D1.1M	1705A.2.7, 1705A.2.1, 1705A.2.2, 1705A.13.1, 1705A.14.1, 2216.2A [DSA-SS/CC] 2215.6.2
B. CONTROL & HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	O	O	●		
C. NO WELDING OVER CRACKED TACK WELDS	O	O	●		
D. ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE	O	O	●		
E. WPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) • PROPER POSITION (F, V, H, OH)	O	O	●		
F. WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	O	O	●		
G. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	PC	PC			
3. INSPECTION TASKS AFTER WELDING					
A. WELDS CLEANED	O	O	●	AISC 360, SECTION N5.4 AWS D1.1/D1.1M	1705A.2.7, 1705A.2.1, 1705A.2.2, 1705A.13.1, 1705A.14.1
B. SIZE, LENGTH AND LOCATION OF WELDS	PC	PC	●		
C. WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY	PC	PC	●		
D. ARC STRIKES	PC	PC	●		
E. K-AREA[a]	PC	PC	●		
F. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES[b] (IF REQUIRED)					
G. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	PC	PC	●		
H. REPAIR ACTIVITIES	PC	PC	●		
I. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER[c]	PC	PC	●		
J. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD	O	O	●		

[a] WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75 MM) OF THE WELD.

[b] AFTER ROLLED HEAVY SHAPES (SEE AISC 360 SECTION A3.1D) AND BUILT-UP HEAVY SHAPES (SEE AISC 360 SECTION A3.1E) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

[c] DIE STAMPING OF MEMBERS SUBJECTED TO FATIGUE SHALL BE PROHIBITED UNLESS APPROVED BY THE ENGINEER OF RECORD

REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL HIGH STRENGTH BOLTING

VERIFICATION AND INSPECTION	QC	QA	APPLICABLE	REFERENCED STANDARD	CBC/IBC REF.
1. INSPECTION TASKS PRIOR TO BOLTING:					
A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	PC	●	APPLICABLE ASTM MATERIAL STANDARDS	1705A.2.8, 1705A.2.1[c] [DSHPD 1.4.6] 2216A.1
B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O	●		
C. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O	O	●		
D. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O	●		
E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O	●		
F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	PC	O	●		
G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	O	●		
2. INSPECTION TASKS DURING BOLTING:					
A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O	O	●	RCSC 7-9; AISC 360, SECTION N5.6	
B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	O	●		
C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O	●		
D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATIONS, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O	●		
3. INSPECTION TASKS AFTER BOLTING:					
A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PC	PC	●	AISC 360, SECTION N5.6	1705A.2.8, 1705A.2.1, [DSHPD 1.4.6] 2216A.1

REQUIRED VERIFICATION AND INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT

VERIFICATION AND INSPECTION	QC	QA	APPLICABLE	REFERENCED STANDARD	CBC/IBC REF.
1. INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION:					
A. PLACEMENT AND INSTALLATION OF STEEL DECK	PC	PC	●	AISC 360, SECTION N6	1705A.2.1
B. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	PC	PC	●		
C. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	PC	PC	●		

TABLE 1705A.2.1 REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	C	P	APPLICABLE	REFERENCED STANDARD[A]	CBC/IBC REF.
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:					
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X	●	RCSC: 1.5; AISC 360: A3.3, J3.2; AISC 370: A3.3, J3.1; APPLICABLE ASTM MATERIAL STANDARDS	2201A.2, [DSA-SS/CC] 2201.2
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X	●	RCSC: 1.5; AISC 360: A3.3, N3.2; AISC 370: A3.3, N3.2	---
C. TESTING OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS	---	---		RCSC: 7.2; APPLICABLE ASTM MATERIAL STANDARDS	1705A.2.8, [DSHPD 1.8.4] 2213A.1
2. INSPECTION OF HIGH-STRENGTH BOLTING:					
A. SNUG-TIGHT JOINTS.	---	X	●	RCSC: 7-9; AISC 360, J3.2, M2.5, N5.6; AISC 370: J3.1, M2.7, N5.6	1705A.2.8, 1705A.13.1, 2201A.4, [DSA-SS/CC] 2201.4
B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION	---	X	●		
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	---	●		
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL:					
A. FOR STRUCTURAL STEEL & STAINLESS STEEL IDENTIFICATION MARKINGS TO CONFORM TO AISC 360 & AISC 370, RESPECTIVELY	---	X	●	AISC 360: A3, N2.1; AISC 341: A3; AISC 370: A3, N2.1	2201A.2, [DSA-SS/CC] 2201.2
B. FOR COLD-FORMED STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X	●	AISI S100: A3.1, A3.2; AISI S240: A5.5, D6.6; APPLICABLE ASTM MATERIAL STANDARDS	2201A.2, [DSA-SS/CC] 2201.2
C. MANUFACTURER'S CERTIFIED TEST REPORTS.	---	X	●	AISC 360: A3.1, N3.2; AISC 341: A3; AISC 370: A3.1, N3.2	---
D. TESTING OF UNIDENTIFIED STEEL	---	---		APPLICABLE ASTM MATERIAL STANDARDS	2201A.2, [DSA-SS/CC] 2201.2
4. MATERIAL IDENTIFICATION OF WELDING CONSUMABLES AND TESTING OF WELDED ELEMENTS:					
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X	●	AISC 360: A3.5, N3.2; AISC 341: A3.4, J3; AISC 370: A3.6, N3.2; APPLICABLE AWS A5 DOCUMENTS	---
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X	●	AISC 360: N3.2; AISC 341: J3; AISC 370: N3.2	---
C. NON-DESTRUCTIVE TESTING OF WELDING JOINTS.	---	---		AISC 360: N5.5; AISC 341: J7; AISC 370: N5.5	1705A.2.1, 1705A.14.1
5. INSPECTION OF WELDING:					
A. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:					
1. COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS	X	---	●	AISC 360: J2, M2.4, M4.5; AISC 341: I2.3, J7; AISC 370: J2, M2.6, M3.5; AWS D1.1, AWS D1.6, AWS D1.8	1705A.2.1, 1705A.2.7, 1705A.13.1
2. MULTIPASS FILLET WELDS.	X	---	●		
3. SINGLE-PASS FILLET WELDS > 5/16"	X	---	●		
4. PLUG AND SLOT WELDS.	X	---	●		
5. SINGLE-PASS FILLET WELDS ≤ 5/16"	---	X	●		
6. FLOOR AND ROOF DECK WELDS.	---	X	●	AWS D1.3; SDI QA/QC	1705A.2.1, 1705A.2.3, 1705A.2.7, 1705A.13.1
7. END-WELDED STUDS.	---	X		AWS D1.1, AWS D1.6	1705A.2.1, 1705A.2.3, 1705A.2.7, 1705A.13.1
8. WELDED SHEET STEEL FOR COLD-FORMED FRAMING MEMEMBERS	---	X		AWS D1.3; AISI S240; CH: D	1705A.2.7, 1705A.2.5.1, 1705A.12.2, 1705A.13.3
B. REINFORCING STEEL:					
1. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	-	X		AWS D1.4 ACI 318: 26.13.1.4	1705A.3.1, 1903A.8
2. INSPECT WELDING OF REINFORCEMENT FOR INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS, COUPLING BEAMS AND SHEAR REINFORCEMENT. [DSA-SS, DSA-SS/CC] AND REINFORCEMENT FOR COLLECTORS AND CHORDS.	X	-		AWS D1.4 ACI 318: 18.2.8, 25.5.7, 26.13.3	
3. INSPECT WELDED REINFORCEMENT SPLICES.	X	-		-	
4. INSPECT WELDING OF PRIMARY TENSION REINFORCEMENT IN CORBELS.	X	-		-	
5. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16", NOT DEFINED IN 2.B.	-	X		AWS D1.4 ACI 318: 26.13.3	
6. INSPECT ALL OTHER WELDS.	-	X		AWS D1.4 ACI 318: 26.13.3	
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:					
A. DETAILS SUCH AS BRACING AND STIFFENING.	---	X	●	AISC 360: M4, N5.8; AISC 341: I2, J9; AISC 358: 3.3-3.6; AISC 370 M3, N5.7	1705A.2.1, 1705A.13.1
B. MEMBER LOCATIONS.	---	X	●		
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	---	X	●		

FOR SI: 1 INCH = 25.4 MM.

A. WHERE APPLICABLE, SEE ALSO SECTION 1705A.11, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE

TYPE	C	P	APPLICABLE	REFERENCED STANDARD[a]	CBC REF.
1. INSPECT AND TEST REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT:				ACI 318: CH. 20, 26.13.1, 26.13.3.1	1705A.3.9, 1908A.1, 1910A.2, 1910A.3; [DSA-SS/CC] 1909.2.3, 1909.2.4, 1909.4
A. REINFORCEMENT IN SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS AND COUPLING BEAMS.	X	-		ACI 318: 25.2, 25.3, 25.5.1, 26.6.1 - 26.6.3, 26.13.3.2	
B. ALL OTHER REINFORCEMENT	-	X	●	ACI 318: 25.2, 25.3, 25.5.1, 26.6.1 - 26.6.3, 26.13.3.2	
2. REINFORCING BAR WELDING:				ACI318: 26.13.3	1705A.3.1, 1903A.8
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	-	X		AWS D1.4 ACI 318: 26.13.1.4	
B. INSPECT WELDING OF REINFORCEMENT FOR INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS, COUPLING BEAMS AND SHEAR REINFORCEMENT. [DSA-SS, DSA-SS/CC] AND REINFORCEMENT FOR COLLECTORS AND CHORDS.	X	-		AWS D1.4 ACI 318: 18.2.8, 25.5.7, 26.13.3	
C. INSPECT WELDED REINFORCEMENT SPLICES.	X	-		-	
D. INSPECT WELDING OF PRIMARY TENSION REINFORCEMENT IN CORBELS.	X	-		-	
E. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16", NOT DEFINED IN 2.B.	-	X		AWS D1.4 ACI 318: 26.13.3	
F. INSPECT ALL OTHER WELDS.	-	X		AWS D1.4 ACI 318: 26.13.3	
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X		ACI 318: 26.7.2, 26.8.2, 26.13.1, 26.13.3.3	-
4. INSPECT AND TEST ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:[b,c]					1705A.3.8, 1910A.5, [DSA-SS/CC] 1909.2.6
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.[c]	X	-		ACI 318: 26.7.2, 26.13.1, 26.13.3.2	
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	-	X	●	ACI 318: 26.7.2, 26.13.1, 26.13.3	
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	●	ACI 318: CH. 19, 26.4,	1903A.4, 1904A.1, 1904A.2, 1910A.1, [DSA-SS/CC] 1909.2.1, 1909.2.2
6. PRIOR TO AND DURING CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	●	ASTM C31 ASTM C172, ACI 318: 26.4, 26.5, 26.12, 26.13.3.2	1705A.3.5, 1705A.3.6, 1705A.3.9, 1905A.1.16, [DSA-SS/CC] 1909.3.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	●	ACI 318: 26.5, 26.13, ACI 506: 3.4	1705A.3.9, 1905A.1.13, 1905A.1.14, [DSA-SS/CC] 1909.3.7, 1909.3.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	●	ACI 318: 26.5.3-26.5.5, 26.13.3.3	-
9. INSPECT PRESTRESSED CONCRETE FOR:					-
A. APPLICATION OF PRESTRESSING FORCES.	X	-		ACI 318: 26.10.2, 26.13.1, 26.13.3.2	1705A.3.4
B. GROUTING OF BONDED PRESTRESSING TENDONS.	X	-			
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	X		ACI 318: 26.9, 26.13.1, 26.13.3.3	-
11. FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR.				ACI 318: 26.13.1.3 ACI 550.5	-
A. INSTALLATION OF THE EMBEDDED PARTS	X	-		ACI 550.5	
B. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS.	X	-			
C. COMPLETION OF CONNECTIONS IN THE FIELD.	X	-			
12. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5.	-	X		ACI 318: 26.13.1.3	-
13. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	●	ACI 318: 26.10.2, 26.11.2, 26.13.3.3	
14. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	●	ACI 318: 26.11.1.2(B), 26.13.3.3	1909A.1.15, [DSA-SS/CC] 1909.3.9

FOR SI: 1 INCH = 25.4 MM.

a. WHERE APPLICABLE, SEE SECTION 1705A.13.

b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

c. INSTALLATION OF ALL ADHESIVE ANCHORS IN HORIZONTAL AND UPWARDLY INCLINED POSITIONS SHALL BE PERFORMED BY AN ACI/CRSI CERTIFIED ADHESIVE ANCHOR INSTALLER, EXCEPT WHERE THE DESIGN TENSION ON THE ANCHORS IS LESS THAN 100 POUNDS AND THOSE ANCHORS ARE CLEARLY NOTED ON THE APPROVED CONSTRUCTION DOCUMENTS OR WHERE THE ANCHORS ARE SHEAR DOWELS ACROSS COLD JOINTS IN SLABS ON GRADE WHERE THE SLAB IS NOT PART OF THE LATERAL FORCE-RESISTING SYSTEM.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

CONSULTANTS:

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ARCHITECT/ENGINEERS:

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DRAWING TITLE: STRUCTURAL NOTES, VERIFICATION & INSPECTION SCHEDULES

APPROVED: -

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 07, 2026 | CHECKED: EF/DG | DRAWN: VL

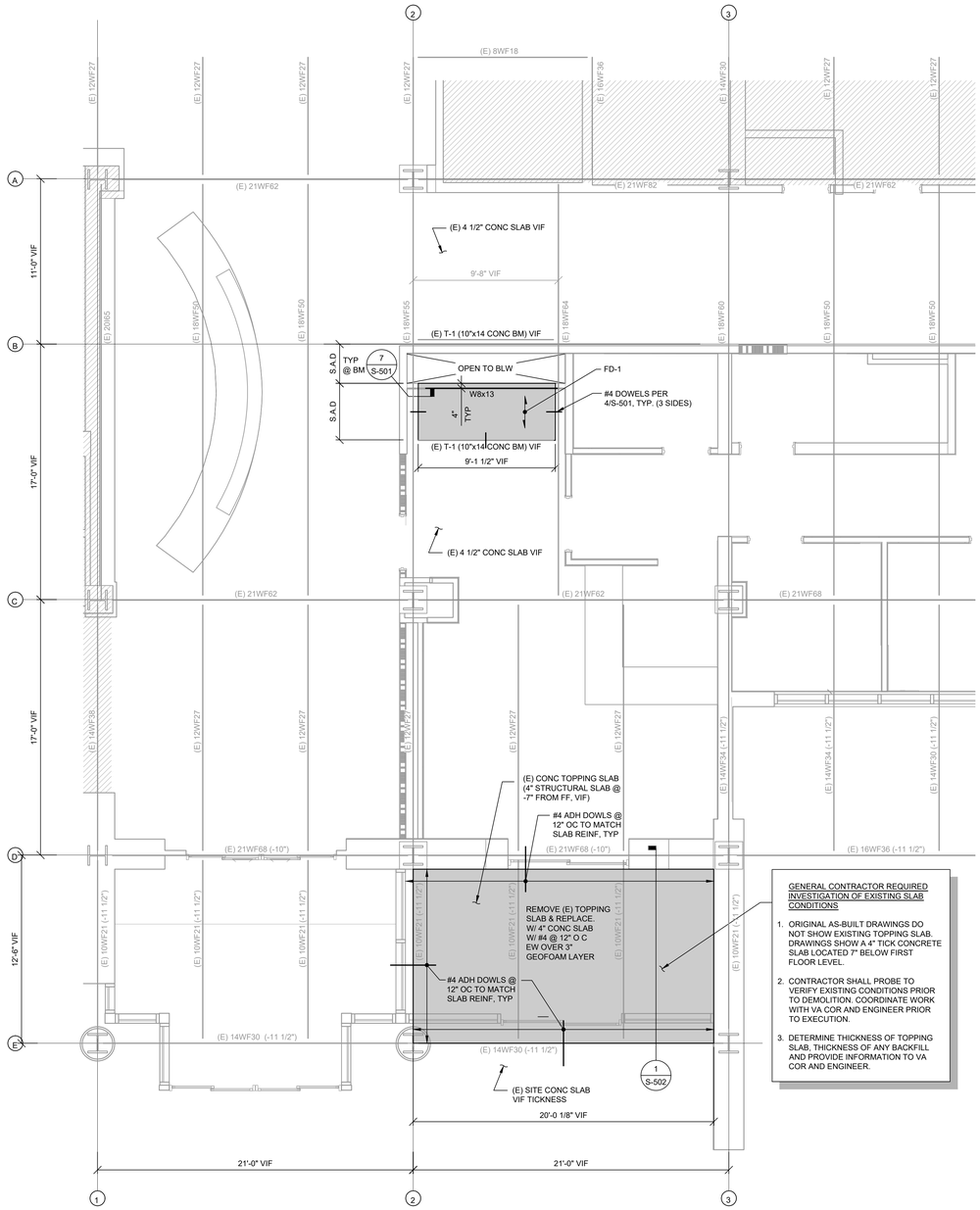
DRAWING NUMBER: S-002

DWG. 26

Office of Construction and Facilities Management

Department of Veteran Affairs

VA FORM 08-6231



GENERAL CONTRACTOR REQUIRED INVESTIGATION OF EXISTING SLAB CONDITIONS

1. ORIGINAL AS-BUILT DRAWINGS DO NOT SHOW EXISTING TOPPING SLAB. DRAWINGS SHOW A 4" TICK CONCRETE SLAB LOCATED 7" BELOW FIRST FLOOR LEVEL.
2. CONTRACTOR SHALL PROBE TO VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION. COORDINATE WORK WITH VA COR AND ENGINEER PRIOR TO EXECUTION.
3. DETERMINE THICKNESS OF TOPPING SLAB. THICKNESS OF ANY BACKFILL AND PROVIDE INFORMATION TO VA COR AND ENGINEER.

PLAN NORTH

1 EAST WING PARTIAL 1ST FLOOR PLAN - NEW WORK

1/4" = 1'-0"

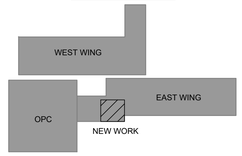
SHEET NOTES:

1. SEE GENERAL NOTES AND TYPICAL DETAILS TO BE USED WHERE APPLICABLE WHETHER SPECIFICALLY REFERENCE OR NOT.
2. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES WITH THE STRUCTURAL REQUIREMENTS INDICATED, REFER TO OTHER DISCIPLINE'S DRAWINGS.
3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO EXECUTING WORK. NOT ALL ROOF MECHANICAL EQUIPMENT IS SHOWN FOR CLARITY.
4. TYPICAL TOP OF STEEL (TOS) = -4.5" UNLESS OTHERWISE NOTED (SEE VESTIBULE AREA FOR TOS).

LEGEND:

	EXISTING (E)/NEW WALLS PER ACH
(E) ## (-X.XX")	EXISTING (E) BEAM BELOW, TOP OF STEEL SHOWN AS (-X.XX") FROM FINISHED FLOOR
	EXISTING (E) COLUMN
W#x	BEAM BELOW PER PLAN
FD-#	FLOOR DECK PER SCHEDULE, SEE SHEET S501

KEY PLAN



100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

CONSULTANTS:

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DRAWING TITLE: EAST WING PARTIAL 1ST FLOOR PLAN - NEW WORK

APPROVED: -

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 07, 2026 | CHECKED: EF/DG | DRAWN: VL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

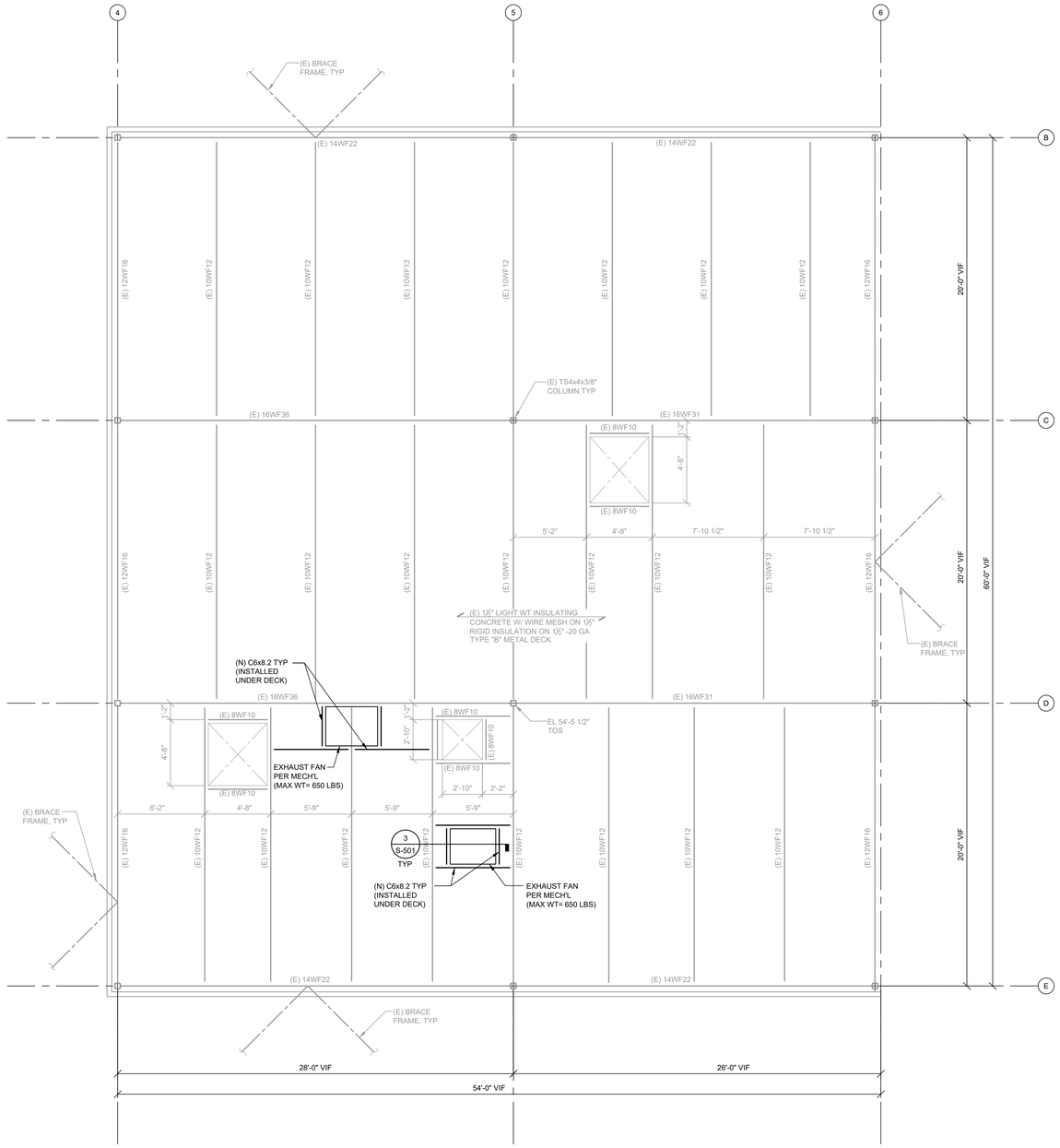
DRAWING NUMBER: S-101

DWG. 27

Office of Construction and Facilities Management

Department of Veteran Affairs

VA FORM 08-6231



1 OPC PENTHOUSE ROOF PLAN - NEW WORK

1/4" = 1'-0"

PLAN NORTH

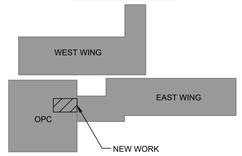
SHEET NOTES:

1. SEE GENERAL NOTES AND TYPICAL DETAILS TO BE USED WHERE APPLICABLE WHETHER SPECIFICALLY REFERENCE OR NOT.
2. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES WITH THE STRUCTURAL REQUIREMENTS INDICATED, REFER TO OTHER DISCIPLINE'S DRAWINGS.
3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO EXECUTING WORK. NOT ALL ROOF MECHANICAL EQUIPMENT IS SHOWN FOR CLARITY.
3. CONTRACTOR TO PROVIDE INSTALLATION PLANS AND COORDINATE WITH VA COR PRIOR TO INSTALLATION.
4. SEE MECHANICAL FOR EXHAUST FAN LOCATIONS. INSTALL STEEL BEAMS UNDERNEATH DECK.
5. REMOVE FIREPROOFING FROM EXISTING STEEL BEAMS AS REQUIRED. REPLACE IN KIND.
6. SEE TYPICAL DETAILS FOR STEEL BEAM AND DECK CONNECTION DETAILS

LEGEND:

	EXISTING (E)/NEW WALLS PER ACH
(E) ##	EXISTING (E) BEAM BELOW
	EXISTING (E) COLUMN
W#x	(N) BEAM BELOW PER PLAN

KEY PLAN



100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

CONSULTANTS:

junker gonzález engineering group

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STAMP:

REGISTERED PROFESSIONAL ENGINEER DAVID GONZALEZ S5111 Exp. 06-30-27 STRUCTURAL STATE OF CALIFORNIA

ARCHITECT/ENGINEERS:

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DRAWING TITLE: OPC PENTHOUSE ROOF PLAN - NEW WORK

APPROVED: -

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 07, 2026 | CHECKED: EF/DG | DRAWN: VL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: S-102

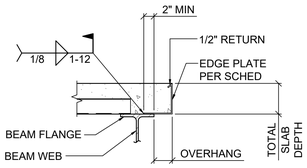
DWG. 28

Office of Construction and Facilities Management

Department of Veteran Affairs

VA FORM 08-6231

NOTE:
REINF NOT SHOWN FOR CLARITY



EDGE CONDITIONS

EDGE PLATE GAGE SELECTION SCHED										
TOTAL SLAB DEPTH	OVERHANG									
	2"	3"	4"	5"	6"	7"	8"	9"	10"	12"
4"	18	18	16	14	12	12	12	10	10	10
4 1/2"	18	18	16	14	12	12	12	10	10	10
5"	18	18	16	14	12	12	12	10	10	-
5 1/2"	18	16	16	14	12	12	10	10	10	-
6"	18	16	14	14	12	12	10	10	-	-
6 1/2"	18	16	14	12	12	12	10	10	-	-
7"	16	16	14	12	12	12	10	10	-	-
7 1/2"	16	14	14	12	12	10	10	-	-	-

NOTE:

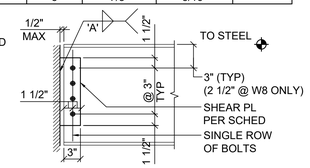
TABLE ABOVE IS BASED ON CONCRETE WEIGHT OF 145 pcf, ALLOWABLE STRESS IN STEEL OF 33,000 psi, AND A 100 psf SUPERIMPOSED LOAD ON THE OVERHANG.

FOR OVERHANGS GREATER THAN THOSE SHOWN, ADDITIONAL SUPPORT OR BENT PLATES ARE REQUIRED.

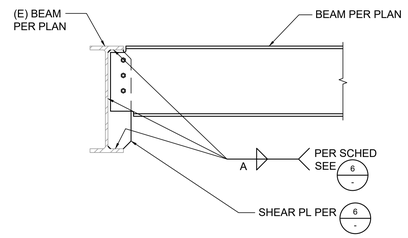
8 TYP INT SLAB EDGE SUPPORT
NTS

STEEL BEAM CONNECTION SCHEDULE					
STEEL BEAM DEPTH	SHEAR PLATE THICKNESS	A325-N BOLTS		WELD 'A'	REMARKS
		NUMBER	DIAMETER		
W6x, C6x	3/8"	2	7/8"	5/16"	
W8x, C8x	3/8"	2	7/8"	5/16"	
W10x, C10x	3/8"	2	7/8"	5/16"	
W12x, C12x	3/8"	3	7/8"	5/16"	
W14x	3/8"	3	7/8"	5/16"	
W16x	3/8"	4	7/8"	5/16"	
W18x	3/8"	4	7/8"	5/16"	
W21x	3/8"	5	7/8"	5/16"	
W24x	3/8"	6	7/8"	5/16"	
W27x	1/2"	7	7/8"	5/16"	
W30x	1/2"	8	7/8"	5/16"	

NOTES:
1. DO NOT USE SLOTTED HOLES UNLESS NOTED OTHERWISE.

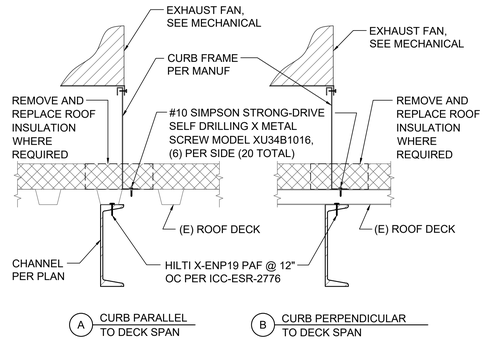


6 TYP CONN PLATE SCHEDULE
NTS

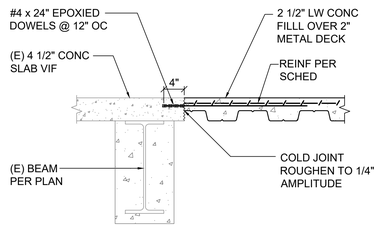


NOTE: REMOVE BEAM CONCRETE ENCASEMENT AND PATCH WITH 5,000 PSI NONSHRINK GROUT

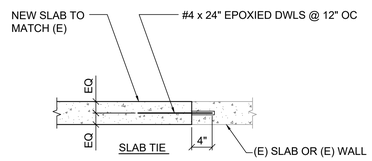
7 TYP BEAM TO GIRDER CONN (ONE SIDE)
NTS



3 TYPICAL ROOF CURB TO DECK CONN
NTS

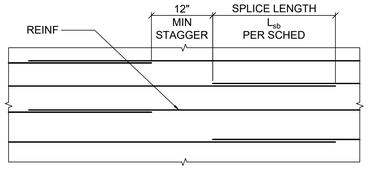


4 TYP DOWELED JOINT TO EXISTING CONCRETE SLAB
NTS



5 EPOXY DOWELS @ NEW TO EXISTING SLAB ON GRADE
NTS

NOTES:
1. DEVELOPMENT/SPLICE LENGTH LISTED IN TABLES ABOVE ARE FOR GRADE 60, UNCOATED, BOTTOM REINFORCEMENT IN NORMAL WEIGHT CONCRETE. BOTTOM BAR IS DEFINED AS HORIZONTAL REINF WITH A MIN OF 12" OF FRESH CONCRETE CAST ABOVE DEVELOPMENT/SPLICE LENGTH. MINIMUM DEVELOPMENT/SPLICE LENGTH IS 12".
2. FOR GRADE 40 STEEL, MULTIPLY DEVELOPMENT/SPLICE LENGTHS BY 0.67.
3. FOR LIGHTWEIGHT CONCRETE, MULTIPLY DEVELOPMENT/SPLICE LENGTHS BY 1.3.
4. FOR TOP BARS, MULTIPLY DEVELOPMENT/SPLICE LENGTH BY 1.3. TOP BAR IS DEFINED AS HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS CAST BELOW DEVELOPMENT/SPLICE LENGTH.
5. ALL SPLICES SHALL BE STAGGERED PER FIGURE 1 BELOW EXCEPT FOOTING AND SLAB ON GRADE.
6. IN THE CASE OF TWO BARS WITH DIFFERENT DIAMETERS, THE SPLICE LENGTH SHALL BE BASED ON THE LARGER BAR SIZE.



DEVELOPMENT LENGTH FOR DEFORMED BARS (L_d)			
	MIN f'_c, psi	#6 & SMALLER BARS & DEFORMED WIRES	#7 AND LARGER BARS
CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN d_b , CLEAR COVER, NOT LESS THAN d_b , AND BEAM STIRRUPS OR COLUMN TIES THROUGHOUT L_d NOT LESS THAN THE CODE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN $2d_b$ AND CLEAR COVER NOT LESS THAN d_b	3000	44 d_b	55 d_b
	4000	38 d_b	47 d_b
	5000	34 d_b	42 d_b
	6000	31 d_b	39 d_b
	8000	27 d_b	34 d_b
	10000	24 d_b	30 d_b
OTHER CASES	3000	66 d_b	82 d_b
	4000	57 d_b	71 d_b
	5000	51 d_b	64 d_b
	6000	46 d_b	58 d_b
	8000	40 d_b	51 d_b
	10000	36 d_b	45 d_b

d_b = NOMINAL DIAMETER OF BAR

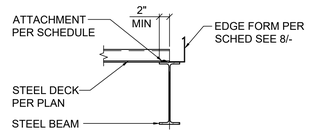
SPLICE LENGTH FOR DEFORMED BARS CLASS 'B' SPLICE (L_{sb})			
	MIN f'_c, psi	#6 & SMALLER BARS & DEFORMED WIRES	#7 AND LARGER BARS
CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN d_b , CLEAR COVER, NOT LESS THAN d_b , AND BEAM STIRRUPS OR COLUMN TIES THROUGHOUT L_s NOT LESS THAN THE CODE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN $2d_b$ & CLEAR COVER NOT LESS THAN d_b	3000	58 d_b	72 d_b
	4000	50 d_b	62 d_b
	5000	45 d_b	55 d_b
	6000	41 d_b	51 d_b
	8000	36 d_b	45 d_b
	10000	32 d_b	39 d_b
OTHER CASES	3000	86 d_b	107 d_b
	4000	75 d_b	93 d_b
	5000	67 d_b	84 d_b
	6000	60 d_b	76 d_b
	8000	52 d_b	65 d_b
	10000	49 d_b	59 d_b

d_b = NOMINAL DIAMETER OF BAR

1 SPLICE LENGTHS
NTS

FLOOR DECK SCHEDULE													
MARK	STEEL DECK TYPE	GAGE A/B	TOTAL THICKNESS (t)	CONCRETE TYPE	REINF	STEEL DECK ATTACHMENT				MAX ALLOWABLE SPAN			ATTACHMENT PATTERN/PROFILE
						DECK PERP TO SUPPORT		DECK PARALLEL TO SUPPORT		SINGLE SPAN	DOUBLE SPAN	TRIPLE SPAN	
						END	INTERIOR	EDGE & DRAGS	SEAM				
FD1	VERCO W2 FORMLOK OR SIMILAR	20	4 1/2"	f'c=3000 psi LT WT	6x6-W1.4xW1.4 WIRE MESH	4-3/4" DIA PUDDLE WELD PER SHEET	4-3/4" DIA PUDDLE WELD PER SHEET	3/4" DIA PUDDLE WELD @ 12" OC	VSC @ 36" OC	9'-8"	10'-9"	11'-1"	2 1/2" 3'-0" REINF PER SCHED 2" TYP-W2 FORMLOK WITH CONC TOPPING 36/4

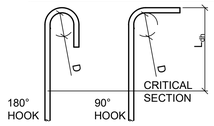
NOTES:
1. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
2. VSC2 = VERCO SIDELAP CONNECTION 2.
3. EDGE DENOTES ALL PERIMETERS.
4. ALL ROOF & FLOOR DECK SHALL BE BY VERCO (ICC ESR-1735P) OR APPROVED EQUAL..
5. POWDER DRIVEN FASTENERS SHALL BE HILTI X-EDNK22 @ SUBSTRATE THICKNESS OF 0.125" MIN AND X-ENP19 @ SUBSTRATE THICKNESS OF 0.25" MIN (ICC-ESR-2776).
6. PUDDLE WELD SHALL HAVE 1/2" DIA MIN EFFECTIVE FUSION DIA
7. SCREWS SHALL BE HILTI KWIK-PRO SELF-DRILLING, SELF-TAPPING SCREWS (ICC-ES ESR-2196) OR APPROVED EQUAL.
8. CONTRACTORS OPTION TO SUBSTITUTE WIRE MESH REINF FOR 25 LBS/CU.YD. COLD DRAWN STEEL FIBERS OR 4 LBS/CU.YD. MACRO SYNTHETIC FIBERS. SUBMIT PRODUCT DATA FOR ACCEPTANCE.



DECK PERPENDICULAR TO SUPPORT
(END AT STEEL BEAM)

9 METAL DECK PROFILE, PROPERTIES AND ATTACHMENT
NTS

DEVELOPMENT LENGTH (L_{dh}) OF STANDARD HOOKS FOR GRADE 60 BAR IN TENSION						
BAR SIZE NO.	f'_c (NORMAL WEIGHT CONCRETE), psi					
	3000	4000	5000	6000	8000	10,000
#3	9"	8"	7"	6"	6"	6"
#4	11"	10"	9"	8"	7"	6"
#5	14"	12"	11"	10"	9"	8"
#6	17"	15"	13"	12"	10"	9"
#7	20"	17"	15"	14"	12"	11"
#8	22"	19"	17"	16"	14"	12"
#9	25"	22"	20"	18"	16"	14"
#10	28"	25"	22"	20"	17"	16"
#11	31"	27"	24"	22"	19"	17"



NOTES:
1. FOR LIGHTWEIGHT CONCRETE, MULTIPLY THE DEVELOPMENT LENGTH BY 1.3
2. FOR BAR BEND DIMENSIONS SEE TYPICAL BAR BEND DETAIL

2 DEV LENGTHS FOR STANDARD HOOKS
NTS

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

CONSULTANTS:

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DRAWING TITLE: TYPICAL DETAILS

APPROVED: -

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 07, 2026 | CHECKED: EF/DG | DRAWN: VL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

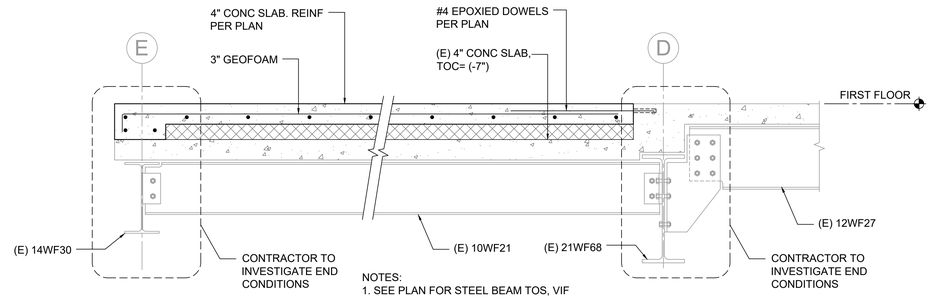
DRAWING NUMBER: S-501

DWG. 29

Office of Construction and Facilities Management

Department of Veteran Affairs

VA FORM 08-6231



NOTES:
1. SEE PLAN FOR STEEL BEAM TOS, VIF

1 VESTIBULE SLAB DETAIL
NTS

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

CONSULTANTS:

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DRAWING TITLE: DETAILS

APPROVED: -

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: 2615 E CLINTON AVE FRESNO, CALIFORNIA 93703

DATE: APRIL 07, 2026 | CHECKED: EF/DG | DRAWN: VL

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: S-502

DWG. 30

Office of Construction and Facilities Management

Department of Veteran Affairs

VA FORM 08-6231

CONTROL SYMBOLS

AT	BLIND TRANSMITTER
AT CO2	CARBON DIOXIDE TRANSMITTER
AT CO	CARBON MONOXIDE TRANSMITTER
AT OC	OCCUPANCY SENSOR
CT	CONDUCTIVITY TRANSMITTER
EPT	ELECTRONIC TO PNEUMATIC TRANSDUCER
FC	FLOW CONTROLLER
FE	FLOW ELEMENT
FS	FLOW SWITCH
FSH	FLOW SWITCH HIGH
FSL	FLOW SWITCH LOW
FT	FLOW TRANSMITTER
H	HUMIDISTAT
HS	HAND SWITCH
IT	CURRENT TRANSMITTER
KC	TIME CLOCK CONTROLLING EQUIP ON SCHEDULE
KR	LOCAL RECORDING TIME CLOCK (RUNTIME)
LC	LEVEL CONTROLLER
LT	LEVEL TRANSMITTER
MSH	HIGH LIMIT HUMIDITY SENSOR
MT	MOISTURE (HUMIDITY) TRANSMITTER
PC	PRESSURE CONTROLLER
PDS	PRESSURE DIFFERENTIAL SWITCH
PDT	PRESSURE DIFFERENTIAL TRANSMITTER
PI	PRESSURE GAUGE
PSH	PRESSURE SWITCH HIGH
PSL	PRESSURE SWITCH LOW
PT	PRESSURE TRANSMITTER
SC	SPEED CONTROLLER
SD	SMOKE DETECTOR
SPS	STATIC PRESSURE SENSOR
T	THERMOSTAT
TC	TEMPERATURE CONTROLLER
TI	THERMOMETER
TS	TEMPERATURE SWITCH
TSH	TEMPERATURE SWITCH HIGH (FREEZESTAT)
TSL	TEMPERATURE SWITCH LOW (FREEZESTAT)
TT	TEMPERATURE TRANSMITTER
ZC	VALVE OR DAMPER POSITION CONTROLLER
ZS	POSITION SWITCH
ECC	INTEGRATE CONTROL POINT ON REMOTE GRAPHICS WORKSTATION AT ENERGY CONTROL CENTER
LTCP	LOCAL TEMPERATURE CONTROL PANEL
HVAC	HVAC CONTROL PANEL
VSMC	VARIABLE SPEED MOTOR CONTROLLER
	MOTOR STARTER
M	MOTOR OPERATOR FOR VALVE OR DAMPER
	PNEUMATIC OPERATOR FOR VALVE OR DAMPER
SV	SOLENOID VALVE
VFD	VARIABLE FREQUENCY DRIVE CONTROLLER
AI	ANALOG SIGNAL IN
AO	ANALOG SIGNAL OUT
ASC	APPLICATION SPECIFIC CONTROLLER
CAC	CUSTOM APPLICATION CONTROLLER
BAS	BUILDING AUTOMATION SYSTEM
BCP	BUILDING CONTROLLER PANEL
BMS	BUILDING MANAGEMENT SYSTEM
DI	DIGITAL SIGNAL IN
DO	DIGITAL SIGNAL OUT
FC	FAIL CLOSED
FL	FAIL LAST
FO	FAIL OPEN
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OWS	OPERATOR WORKSTATION

EQUIP. ABBREVIATIONS

AAHX	AIR TO AIR HEAT EXCHANGER
ACC	AIR COOLED CONDENSER
ACCH	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
ACU	AIR CONDITIONING UNIT
AF	AFTER FILTER
AHU	AIR-HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BDR	BASE BOARD RADIATOR
BHW	HOT WATER HEATING BOILER
BHX	BOILER BLOWDOWN HEAT EXHANGER
BT	BLOWOFF TANK
CC	COOLING COIL
CCD	COOLING COIL CONDENSATE DRAIN
CFP	CHEMICAL FEED PUMP
CH	CHILLER
CHP	CHILLED WATER PUMP
COMP	COMPRESSOR UNIT
CP	CONDENSATE PUMP
CS	CONDENSATE STORAGE TANK
CSG	CLEAN STEAM GENERATOR
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CWCC	CHILLED WATER COOLING COIL
CWP	CONDENSER WATER PUMP
DXCC	DIRECT EXPANSION COOLING COIL
EC	EVAPORATIVE COOLER
ECU	EVAPORATIVE CONDENSER UNIT
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EH	EXHAUST HOOD
ERC	ELECTRIC REHEAT COIL
ERP	ELECTRIC RADIANT PANEL
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWC	EVAPORATIVE WATER COOLER
FCU	FAN COIL UNIT (4 PIPE)
FCUC	FAN COIL UNIT COOLING ONLY
FCUH	FAN COIL UNIT HEATING ONLY
FHX	FLUE GAS/FEEDWATER HEAT EXHANGER
FPTU	FAN POWERED TERMINAL UNIT
FTR	FIN TUBE RADIATION
H	HUMIDIFIER
HC	HEATING COIL
HD	HOOD
HP	HEAT PUMP
HPDT	HIGH PRESSURE DRIP TRAP
HRC	HEAT RECOVERY COIL
HRD	HEAT RECOVERY DEVICE
HRP	HYDRONIC RADIANT (CEILING) PANEL
HRW	HEAT RECOVERY WHEEL
HUM	HUMIDIFIER UNIT MOUNTED
HVU	HEATING AND VENTILATING UNIT
HWC	HOT WATER COIL
HWHC	HOT WATER HEATING COIL
HWP	HEATING HOT WATER PUMP
HWUH	HOT WATER UNIT HEATER
HX	HEAT EXCHANGER
IAF	IN-LINE CENTRIFUGAL FAN
IU	INDUCTION UNIT
LLHX	LIQUID TO LIQUID HEAT EXCHANGER
MAU	MAKE-UP AIR UNIT
P	PUMP
PF	PRE-FILTER
PHC	PREHEAT COIL
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RAHX	ROTARY AIR HEAT EXCHANGER
RCCH	REMOTE CONDENSER
RCU	RECIPROCATING CHILLER UNIT
RF	RETURN FAN
RHC	REHEAT COIL
SAD	SOUND ATTENUATING DEVICE
SF	SUPPLY FAN
SH	STEAM HUMIDIFIER
SHC	STEAM HEATING COIL
SSHX	STEAM TO STEAM HEAT EXCHANGER
ST	STEAM TRAP
SUH	STEAM UNIT HEATER
SWHX	STEAM TO WATER HEAT EXCHANGER
TU	TERMINAL UNIT
UC	UNIT COOLER
UH	UNIT HEATER
VUH	VERTICAL UNIT HEATER
WCCH	WATER COOLED CHILLER
WCCU	WATER COOLED CONDENSING UNIT
WCHP	WATER COOLED HEAT PUMPS
WCPU	WATER COOLED PACKAGED UNIT
WEF	WALL EXHAUST FAN
WF	WATER FILTER

ABBREVIATIONS

A/E	ARCHITECT / ENGINEER
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AMP	AMPERE
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATION AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
BD	BUTTERFLY DAMPER
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CENTIGRADE (CELSIUS)
CAV	CONSTANT AIR VOLUME
CD	CEILING DIFFUSER
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CHW	CHILLER WATER
CHS/CHR	CHILLED WATER SUPPLY/RETURN
CO	CLEAN OUT
CO2	CARBON DIOXODE
COP	COEFFICIENT OF PERFORMANCE
CV	CONSTANT VOLUME
CW	COLD WATER (POTABLE)
CWS/CWR	CONDENSER WATER SUPPLY/RETURN
Db	DRY-BULB TEMPERATURE
DB	DECIBELS
DCW	DOMESTIC COLD WATER
DD-1	DESIGN DEVELOPMENT (SUBMISSION 1)
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DIA	DIAMETER
DIW	DEIONIZED WATER
DP	DEW PONT TEMPERATURE
DX	DIRECT EXPANSION
(E)	EXISTING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
F	FAHRENHEIT
FSD	COMBINATION FIRE SMOKE DAMPER
FC	FLEXIBLE CONNECTION
FD	FLOOR DRAIN
FD	FIRE DAMPER
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
FT WC	FEET OF WATER COLUMN
FT-LB	FOOT-POUND
GAL	GALLONS
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
HW	HOT WATER
HWS/HWR	HEATING HOT WATER SUPPLY/RETURN
HZ	HERTZ
IAQ	INDOOR AIR QUALITY
ID	INSIDE DIAMETER
IN	INCHES
IN HG	INCHES OF MERCURY
IN WC	INCH WATER COLUMN
IN WG	INCH WATER GAUGE
IN-LB	INCH-POUND
KG	KILOGRAM
KG/HR	KILOGRAM PER HOUR
kPa	KILOPASCAL
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LF	LINEAR FOOT (FEET)
LPR	LOW PRESSURE RETURN (STEAM CONDENSATE)
LPS	LOW PRESSURE STEAM
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	1,000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MIN	MINIMUM
N/A	NOT APPLICABLE
NC	NOISE CRITERIA
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
Pa	PASCAL
PD	PRESSURE DROP
PPM	PARTS PER MILLION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID LINE
RLA	RUN LOAD AMPERE
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION LINE
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SD	SMOKE DETECTOR
SD-1	SCHEMATIC DESIGN (SUBMISSION1)
SDPR	SMOKE DAMPER
SP	STATIC PRESSURE
SQ FT/SF	SQUARE FOOT (FEET)
TAB	TESTING, ADJUSTING, BALANCE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
UC	UNDER CUT
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER (MANUAL OPPOSED BLADE)
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
Wb	WET-BULB (TEMPERATURE)
YR	YEAR

MECHANICAL SYMBOLS

S-# NECK SIZE CFM (TYP. #)	SUPPLY CEILING DIFFUSER
S-# SLOTS-SLOT WIDTH-LENGTH CFM (TYP. #)	SUPPLY LINEAR DIFFUSER
S-# LxW CFM (TYP. #)	SUPPLY SIDEWALL DIFFUSER
B# FC #	EQUIPMENT TAG (BUILDING NO - EQUIP NAME - EQUIP NUMBER)
1	REVISION DELTAS
VAV-1 T	T STATS
P	ROOM PRESSURE MONITOR
CO2	CO2 SENSOR
5	SHEET NOTES
FSD	FIRE SMOKE DAMPER
	SMOKE DETECTOR
R	RELOCATE
	VOLUME DAMPER
	CAP
	POINT OF CONNECTION
RPM	ROOM PRESSURE MONITOR
	VAV BOX
	VAV BOX WITH REHEAT COIL
	CEILING DIFFUSER (SUPPLY, RETURN, EXHAUST)
	DEMOLITION CEILING DIFFUSER (SUPPLY, RETURN, EXHAUST)
	EXISTING CEILING DIFFUSER (SUPPLY, RETURN, EXHAUST)
	SUPPLY AIR SIDEWALL DIFFUSER
	RETURN/EXHAUST AIR SIDEWALL DIFFUSER
	HEPA DIFFUSERS
	LINEAR DIFFUSER (1-, 2-, 3-SLOT)
	RADIANT CEILING PANEL
	RISER (SUPPLY, RETURN, EXHAUST)
	STANDARD 45° TAP
	CONICAL TAP
	ELBOW (1R UNLESS OTHERWISE NOTED)
	MITERED ELBOW WITH TURNING VANES
0.00 in-wg 0 CFM	AIRFLOW PRESSURE, DIRECTION, AND CFM
	NEUTRAL AIRFLOW

MECHANICAL LAYERS

	BACKGROUND
	COLUMN LINE
	DEMOLITION
	EQUIPMENT
	EXISTING
	EXHAUST
	PIPING
XX	SPECIALITY PIPING
XX	SPECIALITY PIPING RETURN
	RELOCATE
	RETURN
	REVISION
	SCOPE
	SUPPLY
	TEXT

PLUMBING LAYERS

	COLD WATER
	HOT WATER
	HOT WATER RETURN
	SANITARY SEWER (WASTE)
	VENT
	EXISTING COLD WATER
	EXISTING HOT WATER
	EXISTING HOT WATER RETURN
	EXISTING SANITARY SEWER
	EXISTING VENT

PIPING SYMBOLS

PIPE UP
PIPE DOWN
TEE
FLOW DIRECTION
FLOOR DRAIN
FLOOR SINK
PUMP
REDUCER
UNION
TEMPERATURE GAGE
PRESSURE GAGE
TEST PLUG
AUTOMATIC AIR VENT
MANUAL AIR VENT
ANGLED GLOBE
AUTOMATIC BALANCING CONTROL
BALANCING
BALL
BUTTERFLY
CHECK
CIRCUIT SETTER
CONTROL - FLOAT OPERATED
FLOW METER
GATE
GLOBE
MODULATING CONTROL
MODULATING CONTROL BUTTERFLY
PLUG
PNEUMATIC CONTROL
PRESSURE REDUCING (PRV)
PRESSURE REGULATING
PRESSURE SAFETY
SHUTOFF
THREE-WAY MODULATING CONTROL
THREE-WAY TWO POSITION CONTROL
TWO POSITION CONTROL
WATER BALANCE DEVICE
WYE STRAINER

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ALL INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
2. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE COR AND/OR ENGINEER TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE SHALL BE GIVEN TO THE OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME. SHUTDOWNS TO OCCUR OFF HOURS. METHOD OF PROCEDURES TO BE SENT A MONTH IN ADVANCE, 2 WEEKS TO APPROVE MOP AND 2 WEEKS FOR ADVANCE NOTIFICATION.
3. ALL ITEMS INDICATED AS BEING DEMOLISHED OR REMOVED SHALL BE DISPOSED OF OFF-SITE.
4. THE MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ALL WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, THE DISCREPANCY SHALL BE REPORTED TO THE COR AND/OR ENGINEER FOR RESOLUTION.
5. ALL SHUT DOWNS OF EXISTING SYSTEMS SHALL BE SCHEDULED AND APPROVED BY THE COR PRIOR TO COMMENCEMENT OF SAID WORK.
6. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ALL DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT.
7. USE OF THE OWNER'S ELEVATORS AND BUILDING CORRIDORS FOR THE HANDLING OF NEW AND/OR REMOVED EQUIPMENT AND MATERIALS SHALL BE AT THE DIRECTION OF THE COR AND SHALL BE COORDINATED WITH HIS OPERATIONS.
8. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
9. EXCEPT WHERE INDICATED AS BEING RELOCATED, EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS.
10. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING/DUCTWORK. DO NOT LEAVE PIPING/DUCTWORK OPEN ENDED.
11. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
12. THE MECHANICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ANY WORK.
13. THE BALANCING CONTRACTOR SHALL TAKE AIRFLOW (CFM) AND PRESSURE READINGS PRIOR TO THE START OF WORK ON ALL DUCTWORK THAT SERVES AREAS NOT PART OF THIS PROJECT BUT WHERE AIRFLOW TO THOSE AREAS IS AFFECTED BY THIS PROJECT'S WORK. AFTER MODIFICATIONS TO AIR SYSTEMS COVERED UNDER THIS PROJECT ARE COMPLETED, THE BALANCING CONTRACTOR SHALL BALANCE THE NON-AFFECTED AREAS TO THEIR ORIGINAL AIRFLOW AND PRESSURE OR NEW AIRFLOW AND PRESSURE IF NOTED.
14. IF MECHANICAL CONTRACTOR ENCOUNTERS WHAT APPEARS TO BE A HAZARDOUS OR QUESTIONABLE MATERIAL, HE SHALL DISCONTINUE WORK IMMEDIATELY AND CONTACT THE COR.
15. USE OF OWNER'S UTILITIES (I.E. ELECTRICITY, WATER, HVAC, ETC.) FOR WORK INDICATED ON THESE DOCUMENTS SHALL BE APPROVED BY THE COR PRIOR TO COMMENCEMENT OF SAID WORK.
16. THE MECHANICAL CONTRACTOR SHALL CONFORM TO OWNER'S SAFETY AND SECURITY GUIDELINES IN THE PERFORMANCE OF ALL WORK INCLUDED IN THIS CONTRACT.
17. ALL BRANCH PIPING SHALL BE FURNISHED WITH SHUT OFF VALVES AND SHALL BE LOCATED IN ACCESSIBLE LOCATION BY OFFSETTING BRANCH PIPING WITH VALVES DOWN NEAR CEILING. PROVIDE ACCESS PANEL FOR ALL VALVES AND EQUIPMENT IN NON ACCESSIBLE CEILING AREAS.
18. ALL SUSPENDED PIPING, DUCTWORK, CONDUIT AND CABLE TRAYS SHALL BE PROVIDED WITH, SEISMIC SWAY BRACES IN ACCORDANCE WITH THE MASON INDUSTRIES SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED PIPING, DUCTWORK AND ELECTRICAL SYSTEMS AND THE APPLICABLE CODES. INSTALLED SYSTEM SHALL MATCH EXISTING, RIGID OR CABLE TYPE.
19. ALL INDIVIDUAL INLET DUCTS TO CONSTANT AIR VOLUME BOXES (CAV) OR VARIABLE AIR VOLUME BOXES (VAV) SHALL BE SAME SIZE AS INLET CONNECTION OF CAV BOX, UNLESS NOTED OTHERWISE.
20. ALL INDIVIDUAL BRANCH PIPING TO CONSTANT AIR VOLUME BOXES (CAV) OR VARIABLE AIR VOLUME BOXES (VAV) SHALL BE 3/4" IN SIZE, UNLESS NOTED OTHERWISE.
21. PRIOR TO ANY MODIFICATIONS OF EXISTING DUCT SYSTEMS, TEST EXISTING AIRFLOWS AT TRAVERSE POINTS NOTED IN DRAWINGS AND SUBMIT TO ENGINEER FOR REVIEW. TEST REPORT SHALL INDICATE EXISTING CONDITION AIRFLOW VALUES. UPON COMPLETION OF NEW SYSTEMS, WITHIN THE SCOPE OF THE PROJECT, ALL PREVIOUSLY TESTED SYSTEM AIRFLOWS SHALL BE SET TO ORIGINAL CONDITIONS.
22. GENERAL LOCATION OF DIFFUSERS, REGISTERS AND GRILLES ARE INDICATED ON AIR CONDITIONING PLANS. REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR SPECIFIC LOCATIONS.
23. RESTORE EXISTING FIRE PROOFING TO BEAMS, DECKS AND ALL OTHER BUILDING ELEMENTS WHICH ARE DISTURBED OR MODIFIED AS A RESULT OF NEW WORK BEING INSTALLED. RESTORED CONDITIONS SHALL MATCH EXISTING PRIOR TO NEW WORK BEING PERFORMED.
24. ALL EXISTING DUCT INSULATION REMOVED, AS REQUIRED TO PERFORM SCOPE OF WORK, SHALL BE REPAIRED USING LIKE MATERIAL TO THAT WHICH IS EXISTING.
25. DUCT ROUTINGS ARE DIAGRAMMATIC IN NATURE. PROVIDE OFFSETS, DROPS AND RISERS AS NECESSARY TO AVOID EXISTING ELECTRICAL, HVAC, PLUMBING, FIRE PROTECTION, ETC. SYSTEMS WHICH MAY INTERFERE WITH GENERAL ROUTING SHOWN ON DRAWINGS. RESIZING OF DUCTS WILL BE ALLOWED PROVIDED REVISED DUCT SIZE DOES NOT EXCEED AIR VELOCITIES OF SYSTEM DESIGN AND DRAWING IS SUBMITTED FOR REVIEW, NOTING CHANGES PROPOSED, PRIOR TO DUCT SYSTEM FABRICATION AND INSTALLATION.
26. VERIFY EXISTING DUCT SYSTEM SIZES PRIOR TO FABRICATION OF NEW DUCT SYSTEMS. ANY EXISTING DUCT SYSTEMS DIFFERING IN SIZE FROM THAT NOTED ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE COR AND MECHANICAL ENGINEER.
27. PROVIDE INSULATION OVER EXISTING DUCT SECTIONS WHICH HAVE BEEN PATCHED. INSULATION TYPE, THICKNESS AND DENSITY SHALL MATCH EXISTING. SEE SPECIFICATIONS FOR REQUIREMENTS OF NEW DUCT SYSTEM INSULATION.
28. NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT ABBREVIATIONS INDICATED APPEAR ON THESE CONTRACT DRAWINGS.
29. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE HARD SUSPENDED CEILING, OR ACOUSTICAL CEILING.
30. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
31. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS. COORDINATE LOCATION WITH MECHANICAL INSTALLATION AND DEMONSTRATE ACCESS TO EQUIPMENT SERVED.
32. TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC. LOSS FOR FILTERS SHALL BE FOR FILTERS AT 50% LOADING.
33. FOR TYPICAL STEAM AND WATER PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD EQUIPMENT DETAILS.
34. DIFFUSER, REGISTER AND GRILLE SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.
35. WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.
36. WALL TYPE EXHAUST REGISTERS NOTED AS "BR" ON DRAWINGS ARE TO BE INSTALLED WITH BOTTOM ELEVATION OF REGISTER AT 7" ABOVE FINISHED FLOOR.
37. ALL PRESSURES LISTED ARE GAGE PRESSURE, UNLESS OTHERWISE NOTED.
38. TERMINAL AIR UNIT INLET SIZES SHALL BE THOSE SHOWN ON THE SCHEDULES, UNLESS OTHERWISE NOTED.

SCOPE OF WORK

PUT ROOMS IN SCOPE ON THE SAME HVAC SYSTEM (AHU-1-8). EXISTING EVAPORATOR CURRENTLY SERVING CHECK-IN AREA TO BE DEMOLISHED.

PROVIDE NEW AIR TERMINAL UNITS AND THERMOSTATS FOR EACH ZONE TO ALLOW FOR INDIVIDUAL ZONE TEMPERATURE CONTROL. TIE NEW UNITS / THERMOSTATS INTO EXSITING BAS. PROVIDE NEW HEATED-AIR CURTAIN AND THERMOSTATICALLY-CONTROLLED HYDRONIC HEATER FOR THE VESTIBULE.

SUPPLY NEW EXHAUST GRILLES, SUPPLY DIFFUSERS, AND ASSOCIATED DUCTWORK TO ROOMS IN SCOPE.

PROVIDE NEW EXHAUST FANS WITH ISOLATION DAMPERS, TO BE USED DURING CLINIC ACTIVATION.

ENSURE THAT CLINIC AIR IS EXHAUSTED AND NEGATIVE WITH RESPECT TO ADJACENT SPACES WHEN CLINIC IS ACTIVATED DURING TIMES OF HIGH TRANSMISSION. PROVIDE ROOM PRESSURE MONITORS AT EXAM ROOMS AND BETWEEN CLINIC AND CORRIDOR OUTSIDE OF SCOPE.

MECHANICAL SHEET LIST

Sheet Number	Sheet Name
M-001	MECHANICAL COVER SHEET
MD-101	FIRST FLOOR MECHANICAL DEMOLITION PLAN
MH-101	FIRST FLOOR MECHANICAL HVAC SUPPLY PLAN
MH-102	FIRST FLOOR MECHANICAL HVAC EXHAUST PLAN
MH-103	SECOND FLOOR MECHANICAL HVAC EXHAUST PLAN
MH-104	THIRD FLOOR MECHANICAL HVAC EXHAUST PLAN
MH-105	OPC PENTHOUSE ROOF MECHANICAL HVAC EXHAUST PLAN
MH-106	MECHANICAL HVAC NEW EXHAUST PLAN ISOMETRIC
MH-107	FIRST FLOOR MECHANICAL PRESSURE RELATIONSHIPS
MP-101	FIRST FLOOR MECHANICAL CHW PIPING DEMO
MP-102	FIRST FLOOR MECHANICAL CHW PIPING NEW PLAN
MP-103	FIRST FLOOR MECHANICAL CHW PIPING DEMO/NEW PLAN - CASKET LIFT
M-401	MECHANICAL SCHEDULES
M-501	MECHANICAL DETAILS
M-502	MECHANICAL DETAILS
M-503	MECHANICAL CONTROLS

GENERAL DEMOLITION NOTES

1. SCHEDULE ALL SHUTDOWNS THAT AFFECT UTILITIES AND PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION WITH THE COR.
2. DEMOLITION WORK AT ALL TIMES SHALL BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE COR AND CARRIED OUT IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE NORMAL OPERATION OF THE BUILDING.
3. DISPOSE OF ALL REMOVED MATERIALS IN AN APPROVED MANNER.
4. ISOLATE, DRAIN, AND REFILL EXISTING SYSTEMS AS REQUIRED TO ACCOMMODATE INSTALLATION OF EXISTING AND NEW SYSTEMS.
5. PROVIDE ALL NECESSARY TEMPORARY/PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.
6. ALL EXISTING PIPING SHALL BE FIELD VERIFIED FOR PROPER DEMOLITION. CONTRACTOR SHALL NOTIFY THE COR AND ENGINEER IMMEDIATELY IF ANY DISCREPANCIES FROM CONTRACT DOCUMENTS OCCUR THAT MAY EFFECT EXISTING OPERATIONS.
7. DEMOLITION OF PIPING INCLUDES ALL ASSOCIATED VALVES, ACCESSORIES, INSULATION, HANGERS, AND SUPPORTS.
8. COORDINATE WITH COR ON REMOVAL AND PLACEMENT OF EQUIPMENT NOTED TO BE TURNED OVER TO COR. FOR EQUIPMENT NOT DESIRED BY COR, CONTRACTOR SHALL REMOVE OFF SITE IN AN APPROVED MANNER.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: MECHANICAL COVER SHEET

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

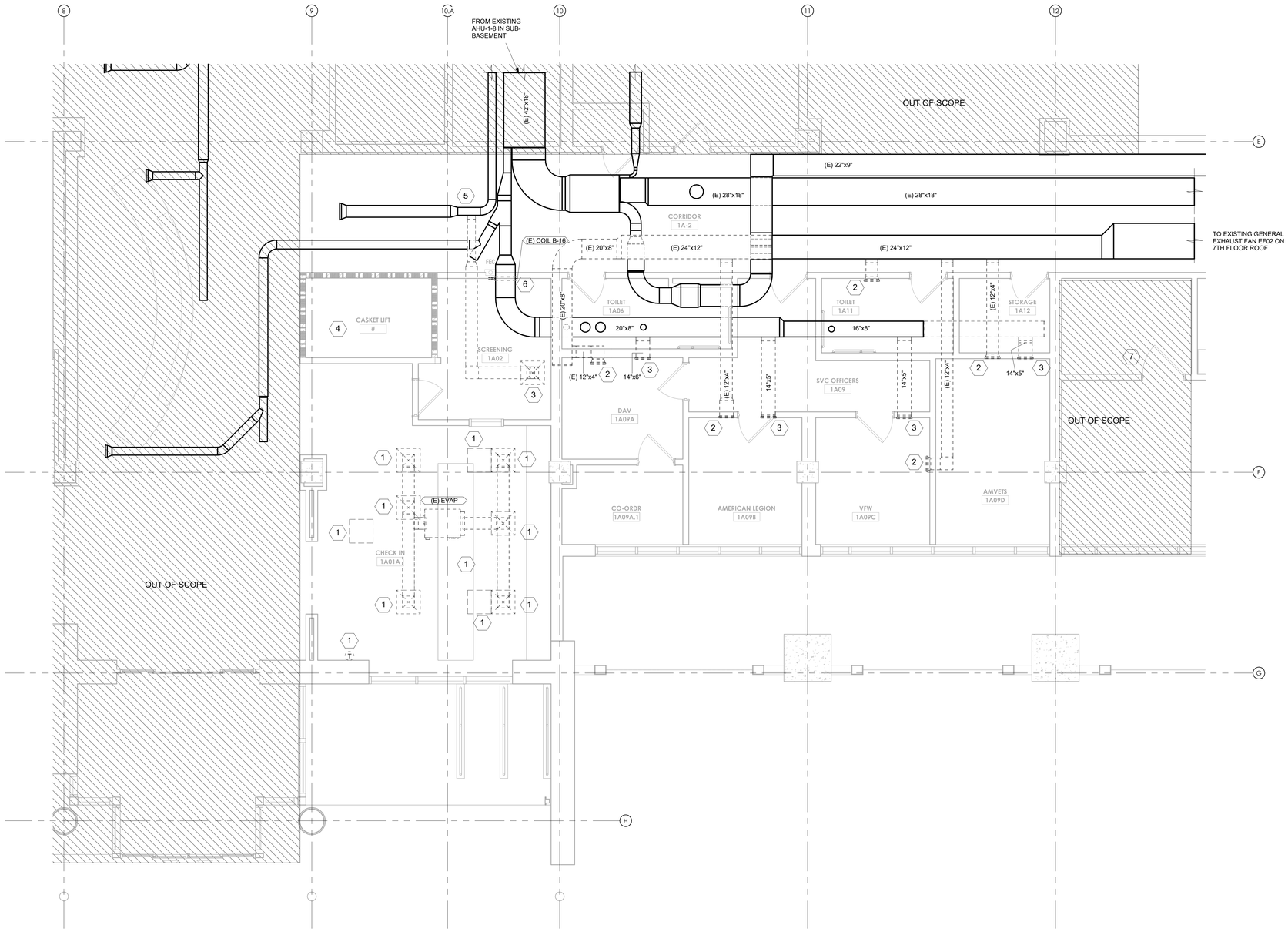
DRAWING NUMBER: M-001

DWG. 31

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 FIRST FLOOR MECHANICAL HVAC DEMO PLAN
1/4" = 1'-0"

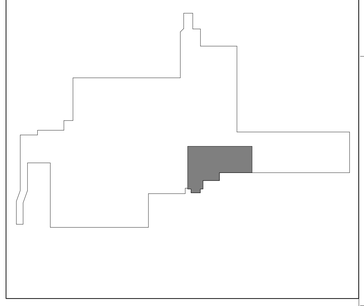
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. EXISTING DUCTWORK IN AREA ARE FED FROM AHU-1-8 AND TO THE GENERAL EXHAUST FAN EF02 ON THE 7TH FLOOR ROOF. DUCTWORK TO BE DEMOLISHED AND RECONFIGURED SUCH THAT NEW WORK CAN BE ACCOMMODATED.
3. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.

KEY NOTES: (#)

1. EXISTING EVAPORATOR, CASSETTES, ASSOCIATED THERMOSTAT, AND ASSOCIATED SUPPLY AND RETURN DUCTWORK / DIFFUSERS TO BE DEMOLISHED.
2. DEMOLISH EXISTING EXHAUST DIFFUSER AND ASSOCIATED DUCT WORK. CAP AND SEAL AS NECESSARY.
3. DEMOLISH EXISTING SUPPLY DIFFUSER AND ASSOCIATED DUCT WORK. CAP AND SEAL AS NECESSARY.
4. SEE DRAWING MP-103 FOR CASKET LIFT CHILLED WATER DEMO AND NEW WORK.
5. LINE IS SERVED BY TERMINAL UNIT 1B3-1 LOCATED IN CORRIDOR 1B-3. REBALANCE IF NECESSARY TO ACCOMMODATE FOR DEMOLITION OF DIFFUSER SERVING SCREENING ROOM 1A02.
6. DEMOLISH COIL. CAP AND SEAL AS CLOSE TO MAIN LINE AS POSSIBLE.
7. AREA WAS DETERMINED TO BE ON A SEPARATE HVAC SYSTEM FROM THE AREA OF WORK IN PROJECT SCOPE. CONTRACTOR TO FIELD-VERIFY AND REPORT TO COR AND A/E ANY DEVIATIONS PRIOR TO ANY DEMOLITION.

KEYPLAN



100% FOR CONSTRUCTION	04/07/2026
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DRAWING TITLE: FIRST FLOOR MECHANICAL DEMOLITION PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

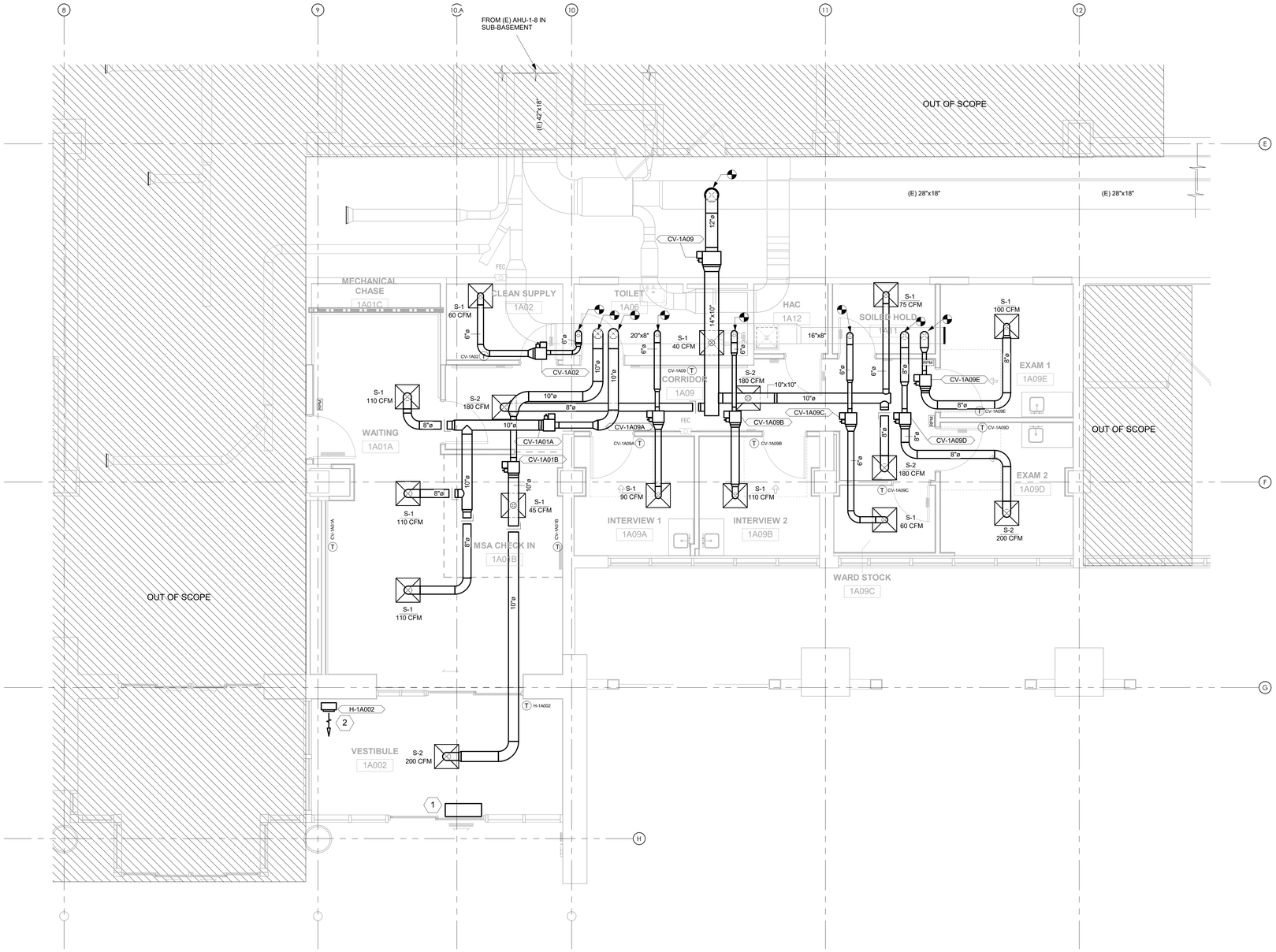
DRAWING NUMBER: MD-101

DWG. 32

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 FIRST FLOOR FLOOR MECHANICAL HVAC SUPPLY PLAN
1/4" = 1'-0"

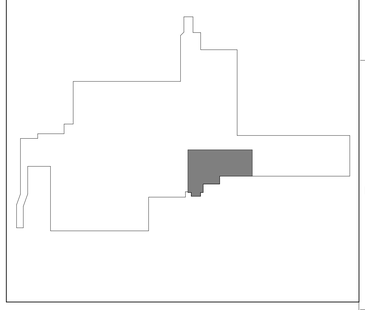
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. CHECK-IN AREA IS CURRENTLY SERVED BY EXISTING AHU IN CEILING SPACE, WHICH IS TO BE DEMOLISHED. EXISTING DUCT IN REMAINING AREA IS FED FROM AHU-1-8.
3. AHU-1-8 IS AN EXISTING 100% OUTSIDE AIR UNIT. SWITCHOVER FROM RETURN TO EXHAUST AIR DURING CLINIC ACTIVATION IS NOT REQUIRED IN THIS CASE. REBALANCE UNIT AFTER PROJECT COMPLETION.
4. CLINIC AREA TO REMAIN NEGATIVE WITH RESPECT TO ADJACENT AREAS YEAR-ROUND.
5. SEE DRAWING M-501 FOR DUCTWORK DETAIL AND TERMINAL UNIT CONTROLS.
6. TIE NEW TERMINAL UNITS AND VESTIBULE HEATER INTO EXISTING BAS.
7. SUPPLY DUCTWORK IS TO BE INSULATED.
8. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.
9. CONTRACTOR TO PROVIDE NEW CONTROLS NETWORK ENGINES TO ALLOW ALL NEW TERMINAL UNIT CONTROLLERS, ROOM PRESSURE MONITORS AND OTHER DEVICES TO CONNECT TO THE EXISTING JCI CONTROL SYSTEM.
10. PRESSURE / LEAK TEST ALL DUCTWORK. SEE SECTION 3.2 IN SPEC 23 31 00.
11. PROVIDE BALANCING DAMPERS AT ALL MAIN DUCT CONNECTIONS TO TERMINAL UNITS.

KEY NOTES: (#)

1. VESTIBULE TO INCLUDE A HOT WATER-HEATED AIR CURTAIN AT ENTRANCE. AIR CURTAIN TO INCLUDE ISOLATION VALVES.
2. VESTIBULE TO INCLUDE A WALL-MOUNTED, 8030 BTU HYDRONIC HEATER. HEATER TO INCLUDE ISOLATION VALVES.

KEYPLAN



REVISIONS	DATE
100% FOR CONSTRUCTION	04/07/2026

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DRAWING TITLE: FIRST FLOOR MECHANICAL HVAC SUPPLY PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

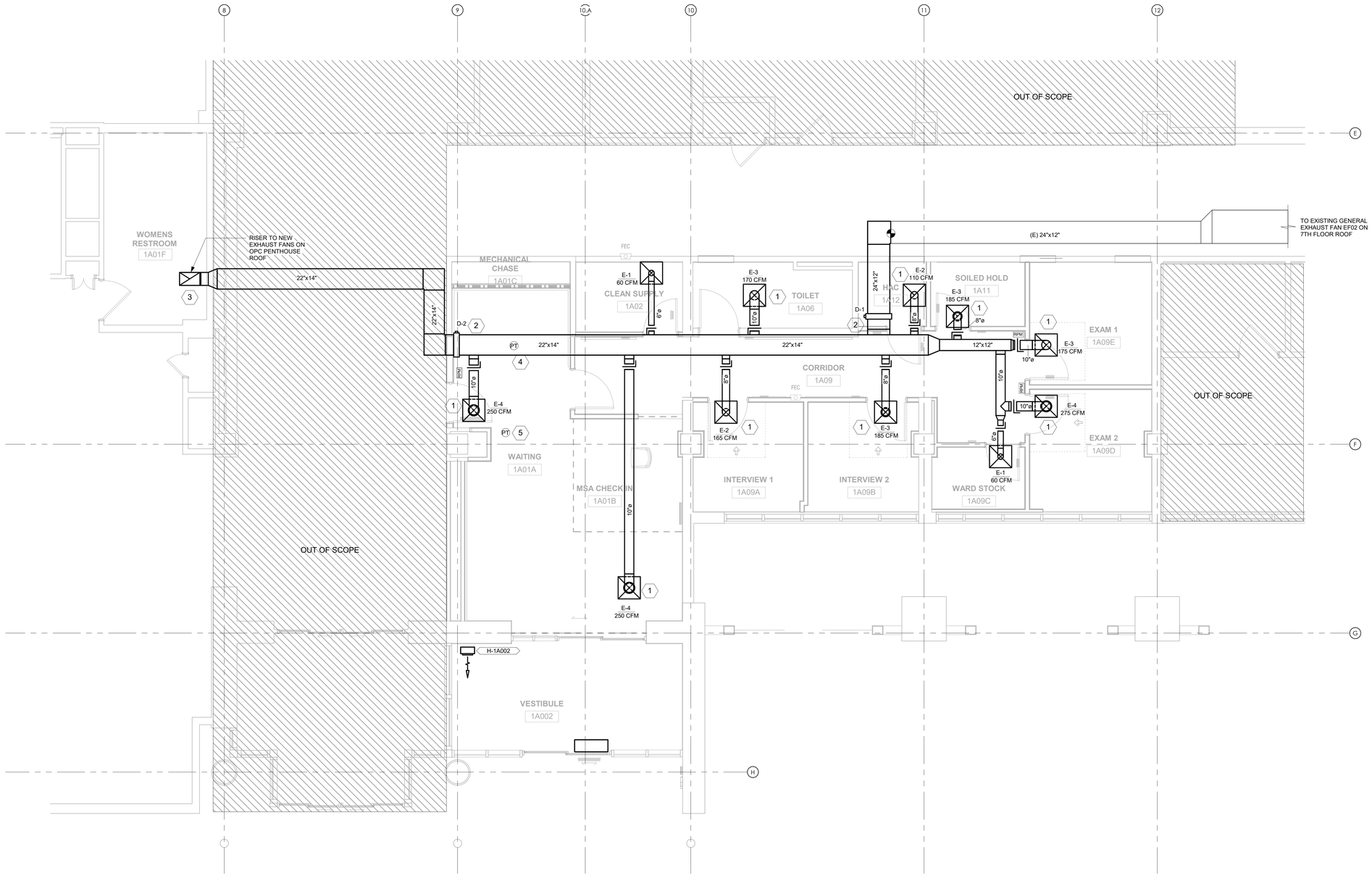
DRAWING NUMBER: MH-101

DWG. 33

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 FIRST FLOOR MECHANICAL HVAC EXHAUST PLAN
1/4" = 1'-0"

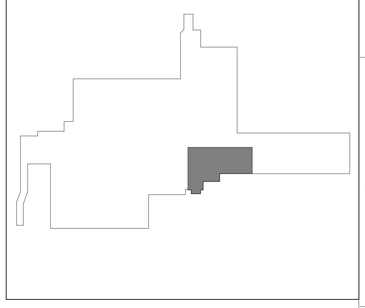
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. AHU-1-8 IS AN EXISTING 100% OUTSIDE AIR UNIT. SWITCHOVER FROM RETURN TO EXHAUST AIR IS NOT REQUIRED IN THIS CASE.
3. CLINIC AREA TO REMAIN NEGATIVE WITH RESPECT TO ADJACENT AREAS YEAR-ROUND.
4. REBALANCE EXHAUST FAN EF02 AFTER PROJECT COMPLETION.
5. SEE DRAWING M-501 FOR DUCTWORK DETAIL.
6. USE TURNING VANES ON EXHAUST DUCTWORK.
7. INSULATE ALL EXTERIOR EXHAUST DUCTWORK. INTERIOR EXHAUST DUCTWORK DOES NOT NEED TO BE INSULATED.
8. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.
9. CONTRACTOR TO PROVIDE NEW CONTROLS NETWORK ENGINES TO ALLOW ALL NEW TERMINAL UNIT CONTROLLERS, ROOM PRESSURE MONITORS, AND OTHER DEVICES TO CONNECT TO THE EXISTING JCI CONTROL SYSTEM.
10. PRESSURE / LEAK TEST ALL DUCTWORK. SEE SECTION 3.2 IN SPEC 23 31 00.

KEY NOTES: (#)

1. BALANCER TO SET REGISTER TO MAINTAIN NEGATIVE PRESSURE.
2. BUBBLE-TIGHT MOTORIZED DAMPER. DURING CLINIC ACTIVATION, AIR WILL EXHAUST TO NEW EXHAUST FANS ARC-EF-01 AND ARC-EF-02 ON THE OPC PENTHOUSE ROOF. DURING NORMAL OPERATION, AIR WILL EXHAUST TO EXISTING FAN EF02.
3. SEE ARCHITECTURAL DRAWINGS FOR ICRA NOTES. CONTRACTOR TO COORDINATE WITH COR AND FACILITY.
4. INSTALL DUCT MOUNTED PRESSURE SENSOR. LOCATION IS APPROXIMATE. BALANCER, CONTRACTOR TO FIELD-VERIFY LOCATION FOR PRESSURE PROBE INSTALLATION AND SET STATIC PRESSURE SETPOINT FOR EXHAUST FAN OPERATION.
5. INSTALL CEILING MOUNTED PRESSURE SENSOR. LOCATION IS APPROXIMATE; CONTRACTOR TO FIELD-VERIFY LOCATION FOR PRESSURE PROBE INSTALLATION.

KEYPLAN



REVISIONS	DATE
100% FOR CONSTRUCTION	04/07/2026

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DRAWING TITLE: FIRST FLOOR MECHANICAL HVAC EXHAUST PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

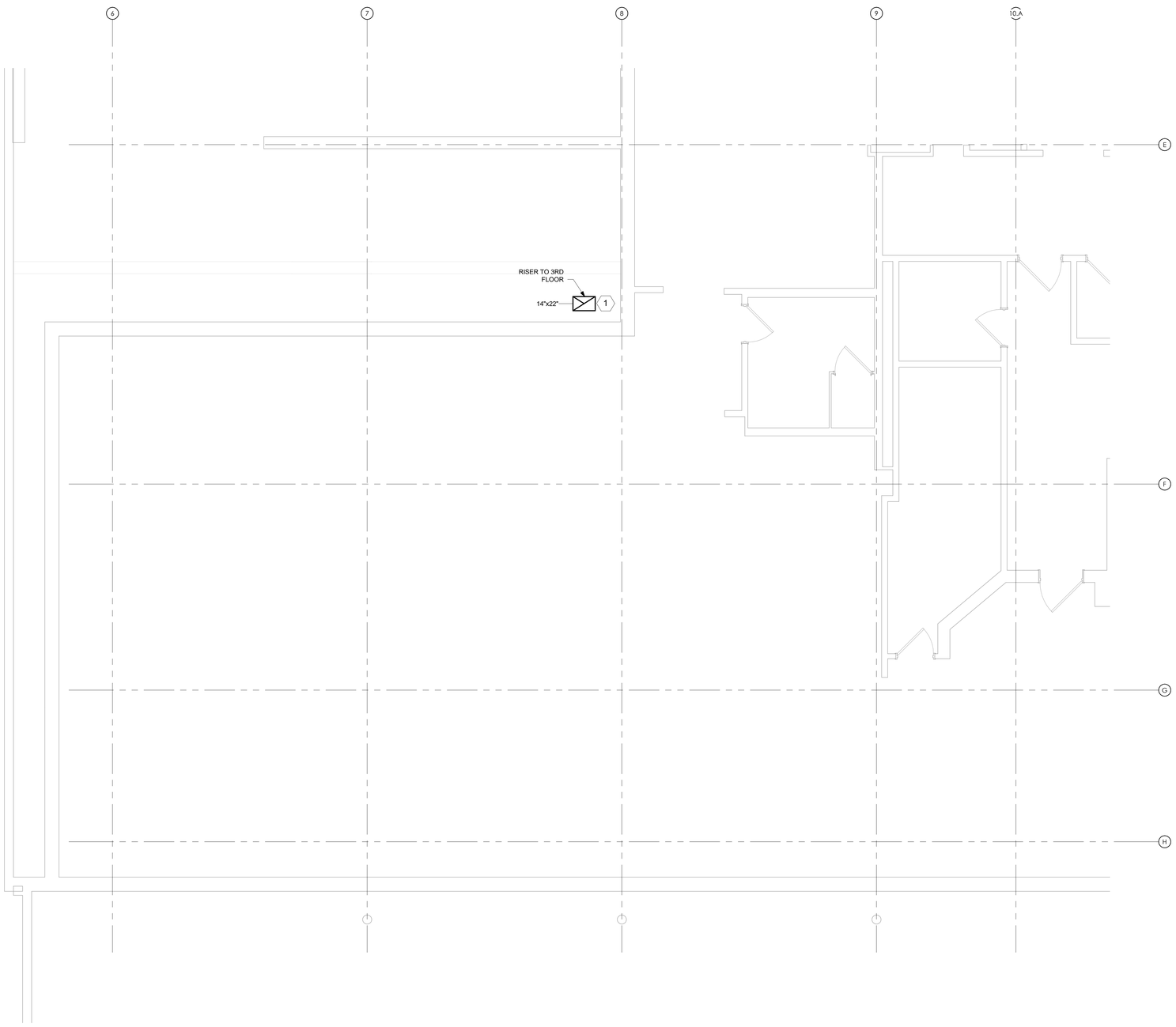
DRAWING NUMBER: MH-102

DWG. 34

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 SECOND FLOOR MECHANICAL HVAC EXHAUST PLAN
1/4" = 1'-0"

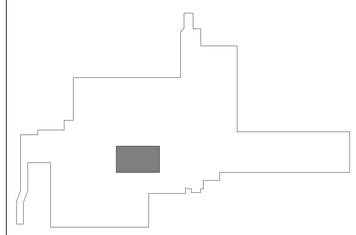
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. AHU-1-8 IS AN EXISTING 100% OUTSIDE AIR UNIT. SWITCHOVER FROM RETURN TO EXHAUST AIR IS NOT REQUIRED IN THIS CASE.
3. CLINIC AREA TO REMAIN NEGATIVE WITH RESPECT TO ADJACENT AREAS YEAR-ROUND.
4. REBALANCE EXHAUST FAN EF02 AFTER PROJECT COMPLETION.
5. SEE DRAWING M-501 FOR DUCTWORK DETAIL.
6. USE TURNING VANES ON EXHAUST DUCTWORK.
7. INSULATE ALL EXTERIOR EXHAUST DUCTWORK. INTERIOR EXHAUST DUCTWORK DOES NOT NEED TO BE INSULATED.
8. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.
9. PRESSURE / LEAK TEST ALL DUCTWORK. SEE SECTION 3.2 IN SPEC 23 31 00.

KEY NOTES: (#)

1. DUCT TO RUN ALONG EXTERIOR WALL OF BUILDING. SEE DRAWING M-502 MECHANICAL DETAILS FOR DUCT SUPPORT DETAIL.

KEYPLAN



100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: SECOND FLOOR MECHANICAL HVAC EXHAUST PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

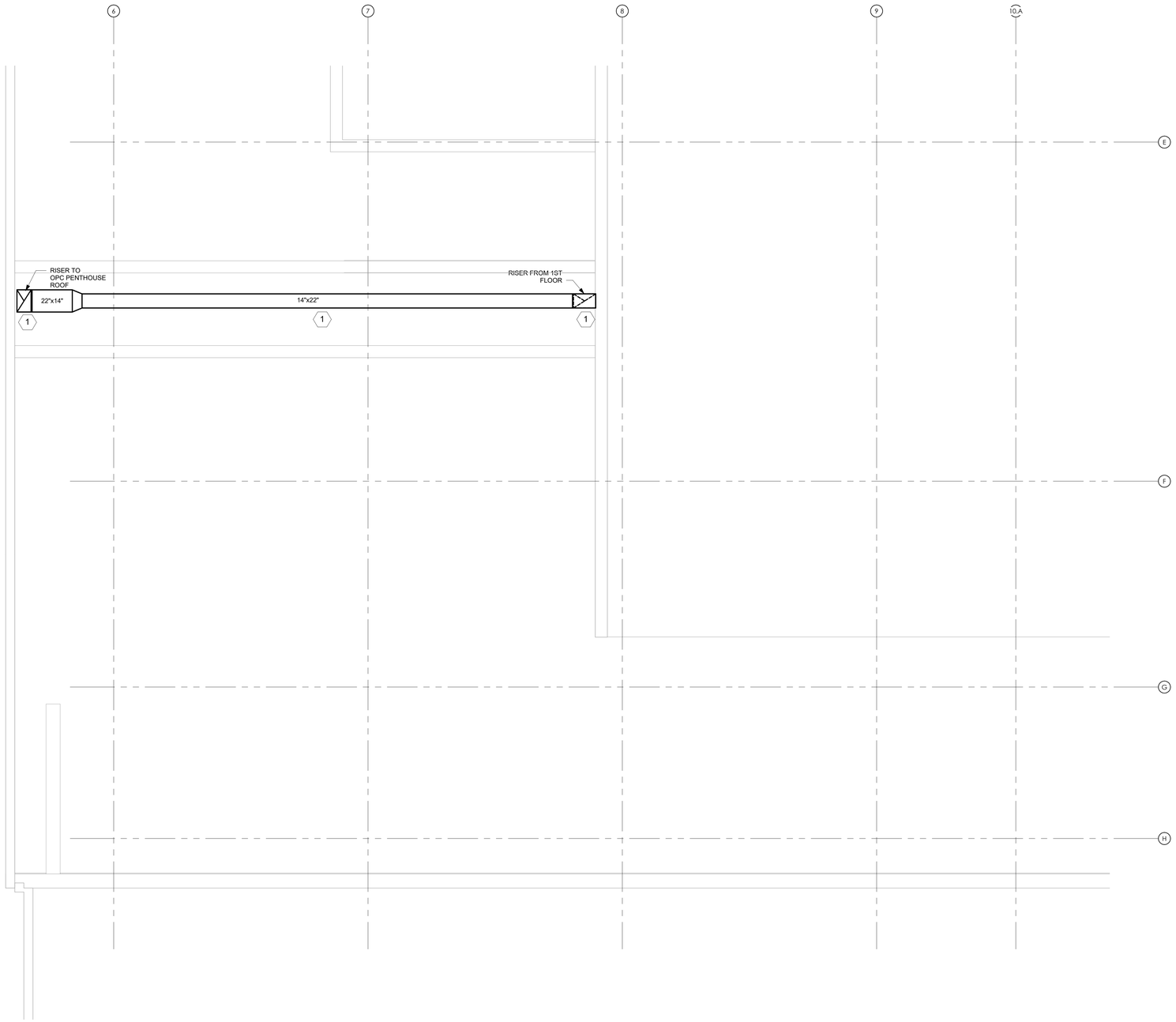
LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM
2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026
CHECKED: DL
DRAWN: AD

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: MH-103
DWG. 35

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231



1 THIRD FLOOR MECHANICAL HVAC EXHAUST PLAN
1/4" = 1'-0"

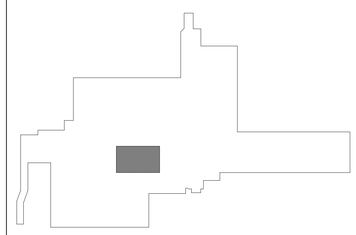
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. AHU-1-8 IS AN EXISTING 100% OUTSIDE AIR UNIT. SWITCHOVER FROM RETURN TO EXHAUST AIR IS NOT REQUIRED IN THIS CASE.
3. CLINIC AREA TO REMAIN NEGATIVE WITH RESPECT TO ADJACENT AREAS YEAR-ROUND.
4. REBALANCE EXHAUST FAN EF02 AFTER PROJECT COMPLETION.
5. SEE DRAWING M-501 FOR DUCTWORK DETAIL.
6. USE TURNING VANES ON EXHAUST DUCTWORK.
7. INSULATE ALL EXTERIOR EXHAUST DUCTWORK. INTERIOR EXHAUST DUCTWORK DOES NOT NEED TO BE INSULATED.
8. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.
9. PRESSURE / LEAK TEST ALL DUCTWORK. SEE SECTION 3.2 IN SPEC 23 31 00.

KEY NOTES: (#)

1. DUCT TO RUN ALONG EXTERIOR WALL OF BUILDING. SEE DRAWING M-502 MECHANICAL DETAILS FOR DUCT SUPPORT DETAIL.

KEYPLAN



REVISIONS	DATE
100% FOR CONSTRUCTION	04/07/2026

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DRAWING TITLE: THIRD FLOOR MECHANICAL HVAC EXHAUST PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

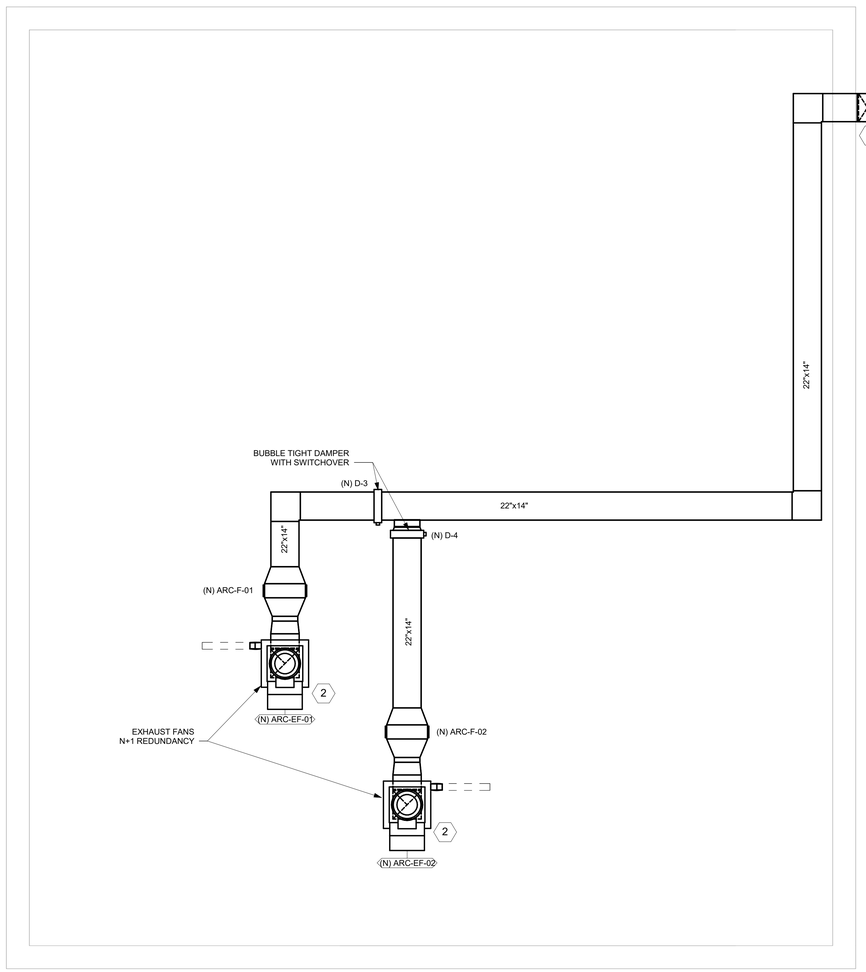
DRAWING NUMBER: MH-104

DWG. 36

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 OPC PENTHOUSE ROOF MECHANICAL HVAC EXHAUST PLAN
1/4" = 1'-0"

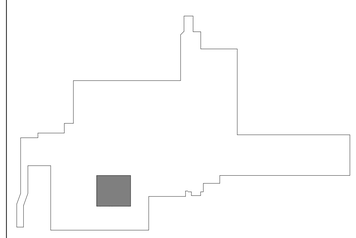
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. AHU-1-8 IS AN EXISTING 100% OUTSIDE AIR UNIT. SWITCHOVER FROM RETURN TO EXHAUST AIR IS NOT REQUIRED IN THIS CASE.
3. CLINIC AREA TO REMAIN NEGATIVE WITH RESPECT TO ADJACENT AREAS YEAR-ROUND.
4. REBALANCE EXHAUST FAN EF02 AFTER PROJECT COMPLETION.
5. SEE DRAWING M-501 FOR DUCTWORK DETAIL.
6. USE TURNING VANES ON EXHAUST DUCTWORK.
7. INSULATE ALL EXTERIOR EXHAUST DUCTWORK. INTERIOR EXHAUST DUCTWORK DOES NOT NEED TO BE INSULATED.
8. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.
9. CONTRACTOR TO PROVIDE NEW CONTROLS NETWORK ENGINES TO ALLOW ALL NEW TERMINAL UNIT CONTROLLERS, ROOM PRESSURE MONITORS, AND OTHER DEVICES TO CONNECT TO THE EXISTING JCI CONTROL SYSTEM.
10. PRESSURE / LEAK TEST ALL DUCTWORK. SEE SECTION 3.2 IN SPEC 23 31 00.

KEY NOTES:

1. VERTICAL RISER TO RUN ALONG EXTERIOR WALL OF BUILDING. SEE DRAWING M-502 MECHANICAL DETAILS FOR DUCT SUPPORT DETAIL.
2. EXHAUST FAN LOCATIONS HAVE BEEN CHOSEN TO ENSURE AIR DOES NOT ENTER ANY AIR INTAKES OR OPERABLE WINDOWS. LOCATIONS ARE APPROXIMATE. CONTRACTOR TO CONFIRM ROUTING AND PROPER CLEARANCES ARE MET, TAKING INTO CONSIDERATION EXISTING EQUIPMENT ON THE ROOF. FANS TO DISCHARGE AIR AT 3,500 FPM. EXHAUST STACK SHOULD BE MINIMUM 10 FT HEIGHT. TIE NEW EXHAUST FANS INTO EXISTING BAS. SEE ELECTRICAL DRAWING EP-102 FOR LOCAL CONTROL PANEL LOCATION AND DISCONNECT.

KEYPLAN



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REVISIONS	DATE

VA FORM 08-6231

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DRAWING TITLE: OPC PENTHOUSE ROOF MECHANICAL HVAC EXHAUST PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: MH-105

DWG. 37

Office of Construction and Facilities Management

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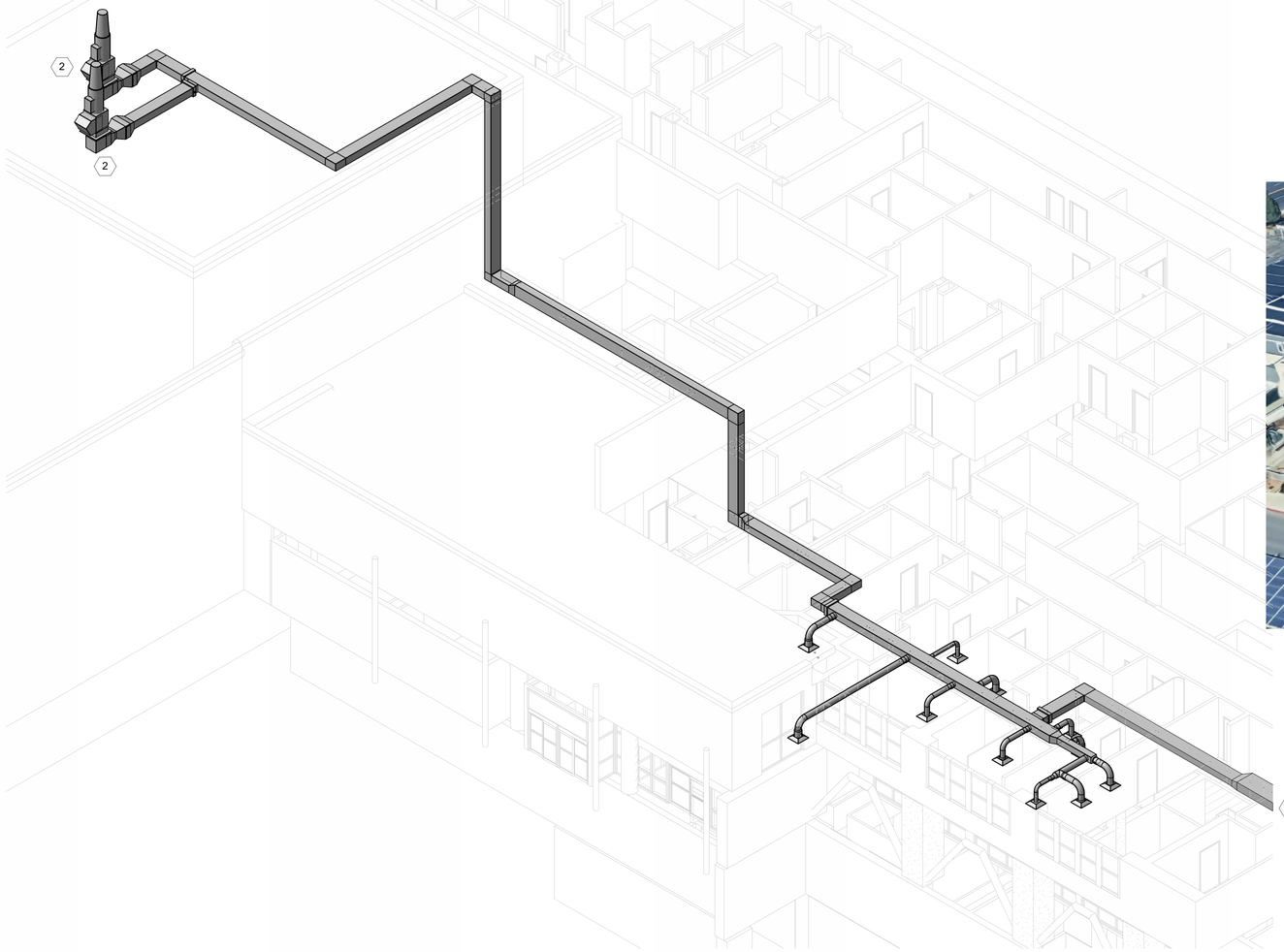


1 NEW EXHAUST PLAN ISOMETRIC

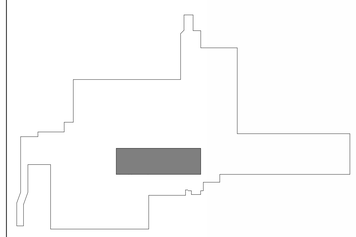
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. AHU-1-8 IS AN EXISTING 100% OUTSIDE AIR UNIT. SWITCHOVER FROM RETURN TO EXHAUST AIR IS NOT REQUIRED IN THIS CASE.
3. CLINIC AREA TO REMAIN NEGATIVE WITH RESPECT TO ADJACENT AREAS YEAR-ROUND.
4. REBALANCE EXHAUST FAN EF02 AFTER PROJECT COMPLETION.
5. SEE DRAWING M-501 FOR DUCTWORK DETAIL.
6. USE TURNING VANES ON EXHAUST DUCTWORK.
7. INSULATE ALL EXTERIOR EXHAUST DUCTWORK. INTERIOR EXHAUST DUCTWORK DOES NOT NEED TO BE INSULATED.
8. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.
9. PRESSURE / LEAK TEST ALL DUCTWORK. SEE SECTION 3.2 IN SPEC 23 31 00.

KEY NOTES: (#)

1. TO EXISTING EXHAUST FAN EF02.
2. NEW EXHAUST FANS ARC-EF-01 AND ARC-EF-02 LOCATED ON THE OPC PENTHOUSE ROOF.

KEYPLAN



100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

VA FORM 08-6231

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DRAWING TITLE: MECHANICAL HVAC NEW EXHAUST PLAN ISOMETRIC

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

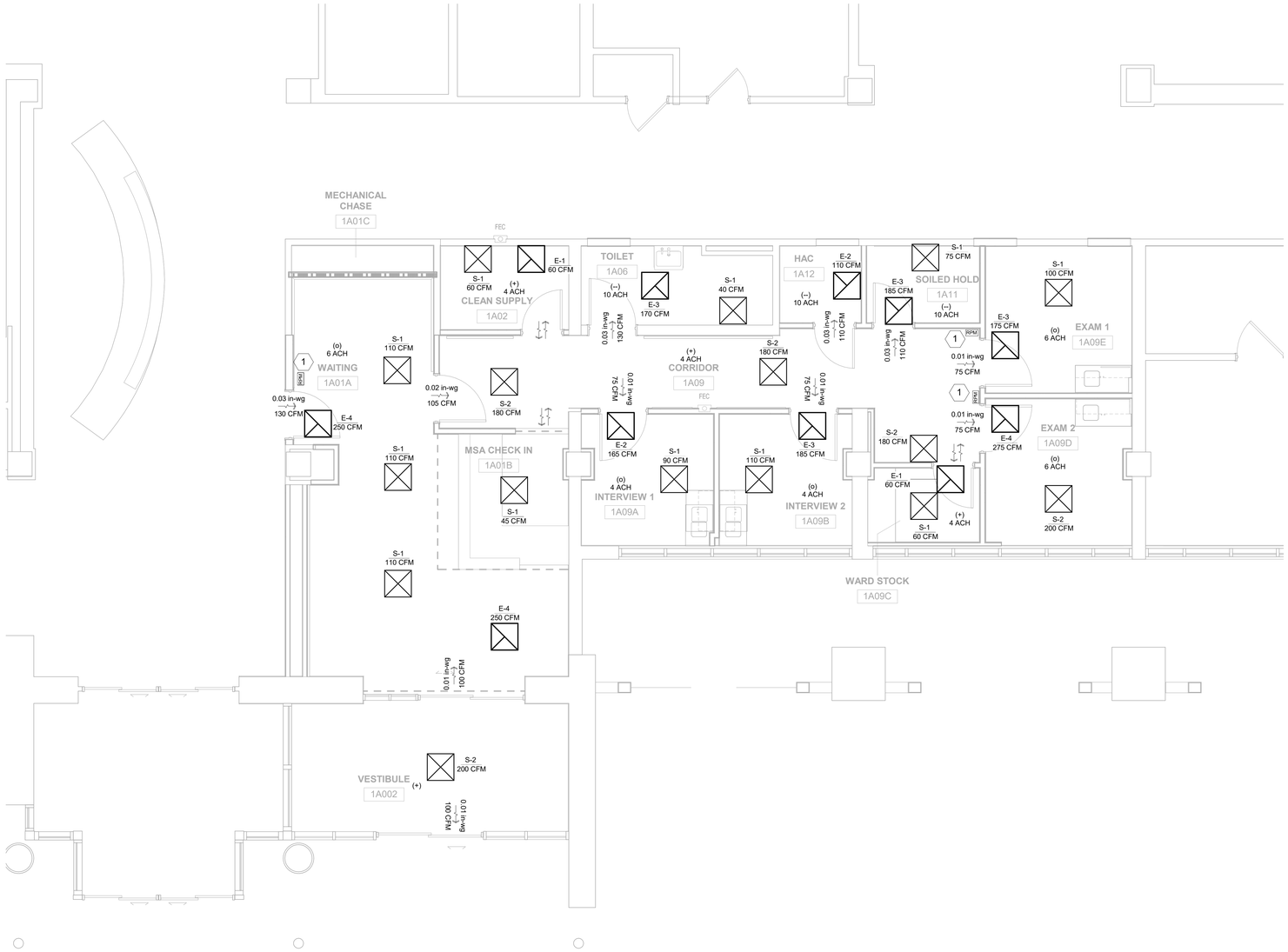
BUILDING NUMBER: 1

DRAWING NUMBER: MH-106

DWG. 38

Office of Construction and Facilities Management

Department of Veterans Affairs



1 FIRST FLOOR MECHANICAL PRESSURE RELATIONSHIPS
1/4" = 1'-0"

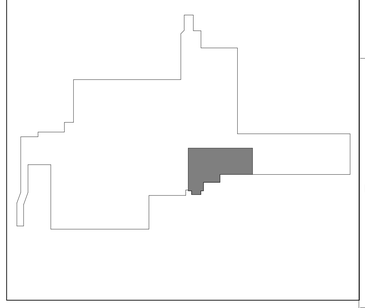
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. ROOM ACH VALUES SHOWN ON THIS DRAWING ARE MINIMUM VALUES REQUIRED BY THE VA TIL. ACTUAL VALUES WILL MAY BE GREATER.
3. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.
4. ROOM PRESSURE MONITORS TO BE INSTALLED BETWEEN EXAM ROOMS AND CORRIDOR 1A09, AS WELL AS BETWEEN WAITING 1A01A AND LOBBY OUTSIDE OF PROJECT SCOPE.

KEY NOTES: (#)

1. DURING CLINIC ACTIVATION, ROOM PRESSURE MONITOR ALARM TO SOUND AT CENTRAL PLANT IF CLINIC IS POSITIVE FOR MORE THAN 5 MINUTES. ALARM TO BE DISABLED DURING NORMAL OPERATION WHEN CLINIC IS NOT IN OPERATION.

KEYPLAN



100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: FIRST FLOOR MECHANICAL PRESSURE RELATIONSHIPS

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

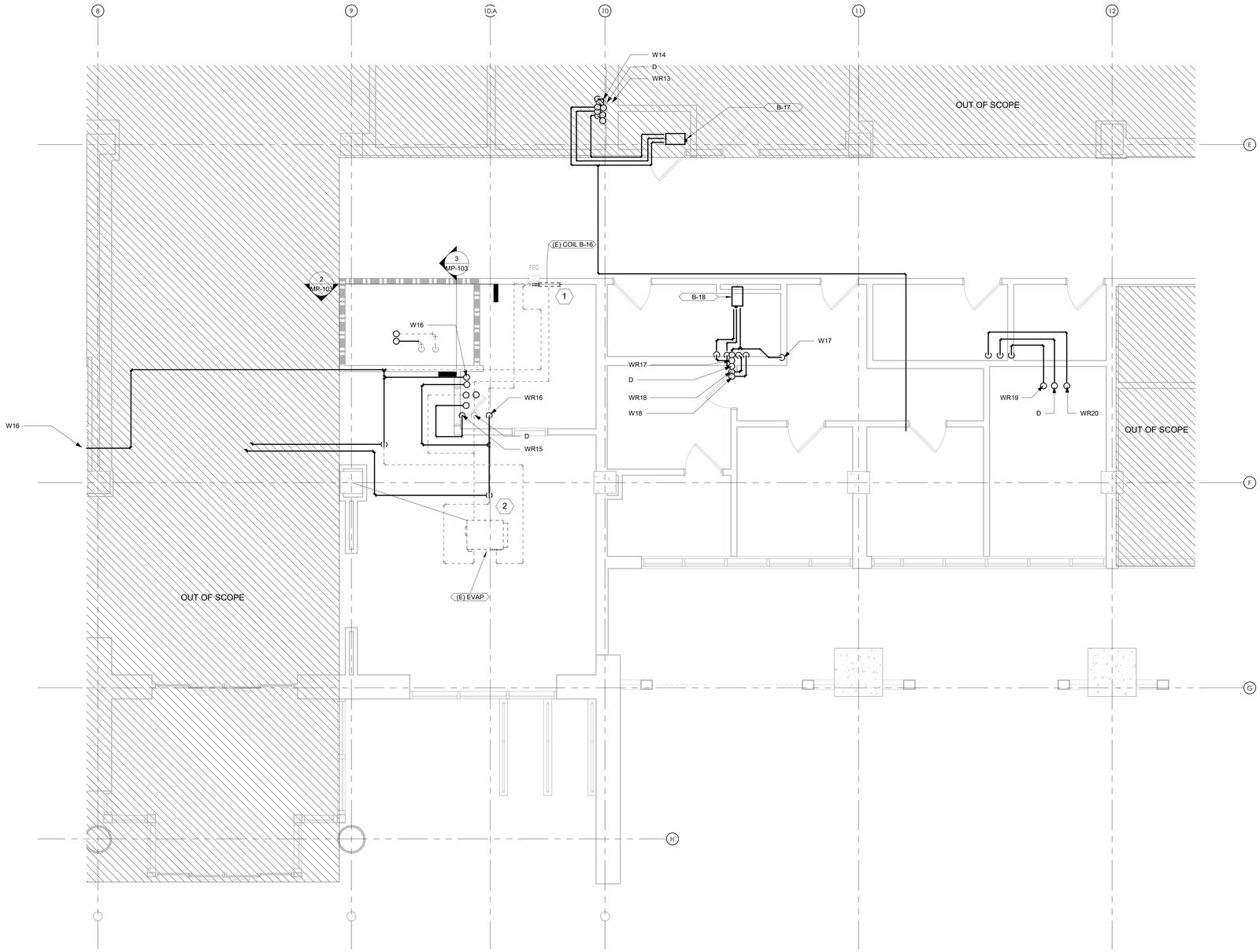
BUILDING NUMBER: 1

DRAWING NUMBER: MH-107

DWG. 39

Office of Construction and Facilities Management

Department of Veterans Affairs



1 FIRST FLOOR MECHANICAL PIPING DEMO PLAN
1/4" = 1'-0"

SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.

KEY NOTES: (#)

1. DEMOLISH DUCT COIL B-16 AND ALL ASSOCIATED PIPING. CAP AND SEAL AS CLOSE TO MAIN LINE AS POSSIBLE
2. DEMOLISH EVAPORATOR AND ALL ASSOCIATED PIPING. CAP AND SEAL AS CLOSE TO MAIN LINE AS POSSIBLE.

KEYPLAN

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: FIRST FLOOR MECHANICAL CHW PIPING DEMO

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

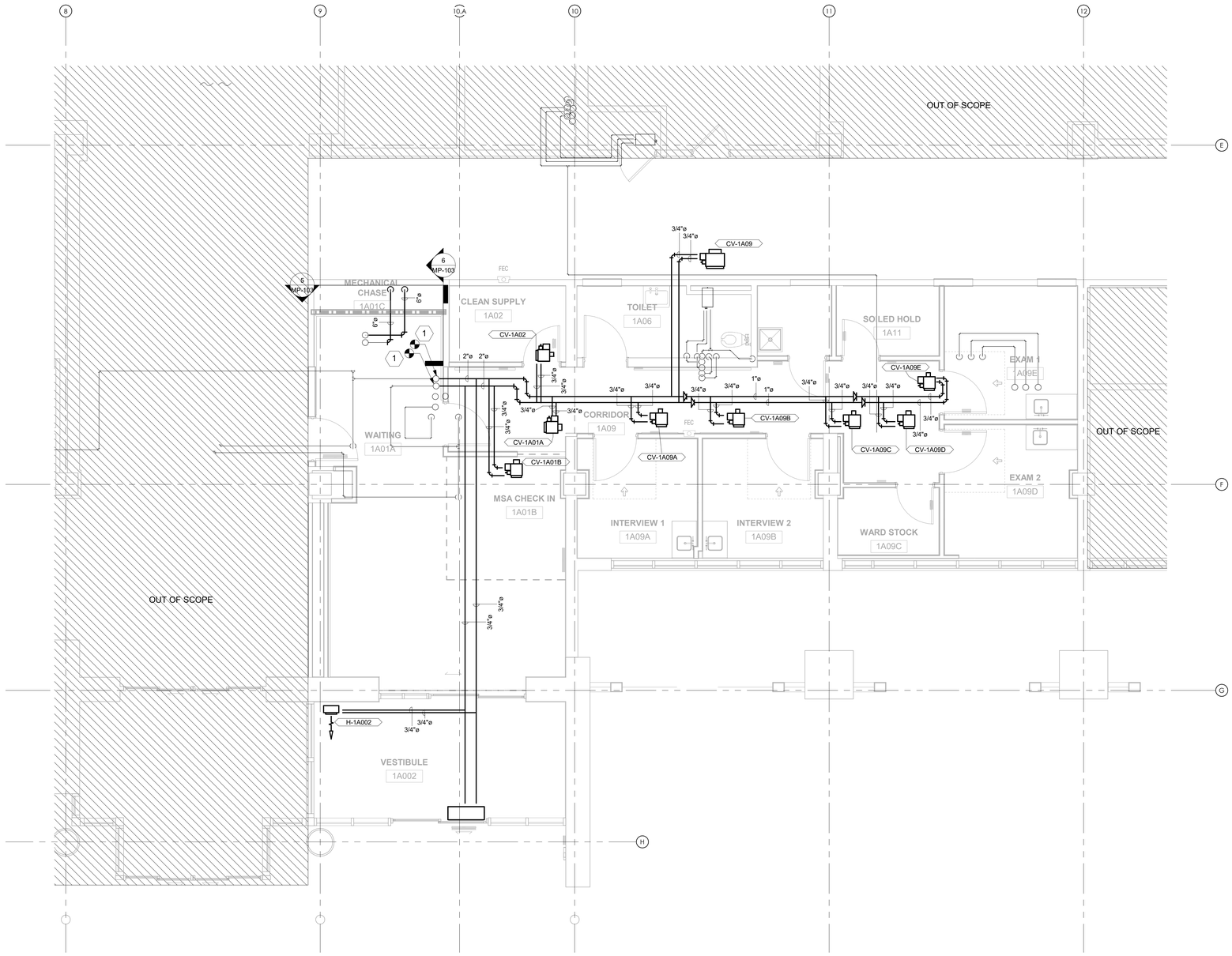
DRAWING NUMBER: MP-101

DWG. 40

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 FIRST FLOOR MECHANICAL PIPING PLAN
1/4" = 1'-0"

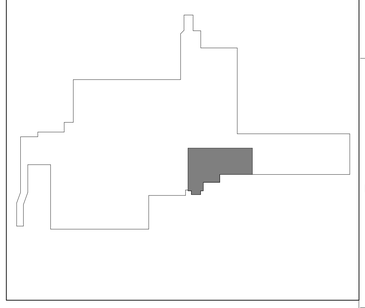
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.
3. CONTRACTOR TO PROVIDE NEW CONTROLS NETWORK ENGINES TO ALLOW ALL NEW TERMINAL UNIT CONTROLLERS, ROOM PRESSURE MONITORS, AND OTHER DEVICES TO CONNECT TO THE EXISTING JCI CONTROL SYSTEM.

KEY NOTES: (#)

1. HOT WATER SUPPLY AND RETURN LINES. PROVIDE ISOLATION VALVES AT NEW WATER LINE CONNECTION POINTS.

KEYPLAN



100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: FIRST FLOOR MECHANICAL CHW PIPING NEW PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

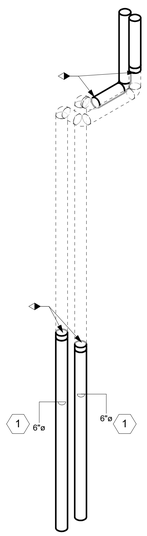
DRAWING NUMBER: MP-102

DWG. 41

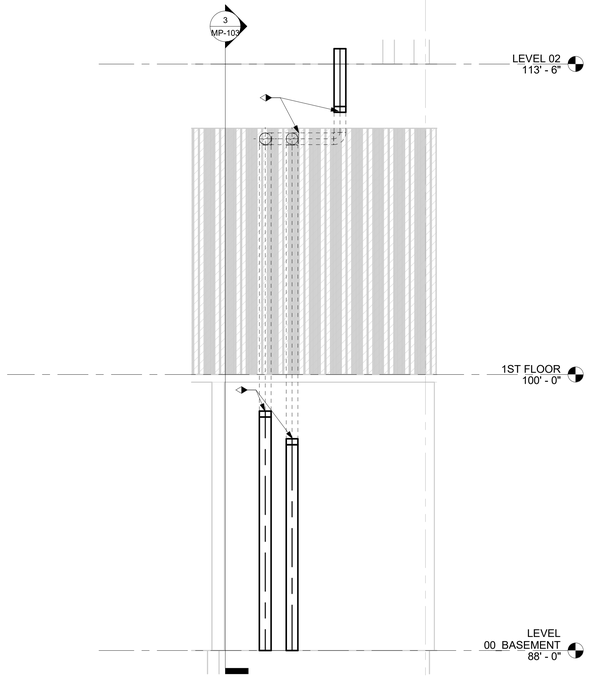
Office of Construction and Facilities Management

Department of Veterans Affairs

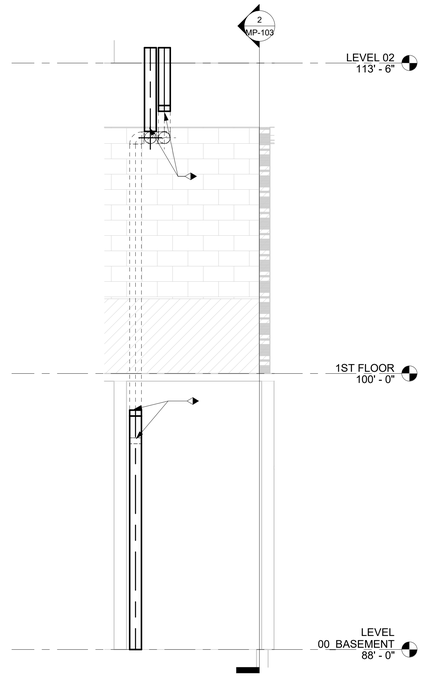
VA FORM 08-6231



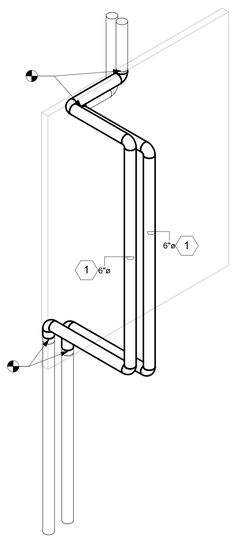
1 DEMO CASKET LIFT ISO



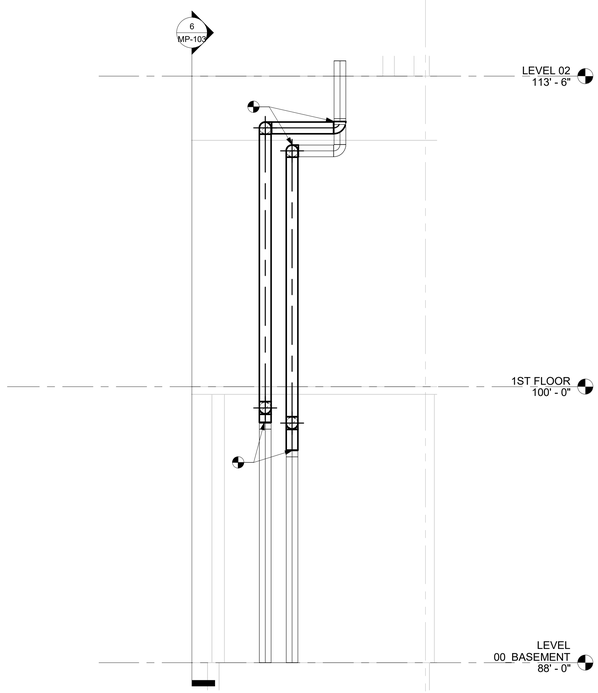
2 Section 2
3/8" = 1'-0"



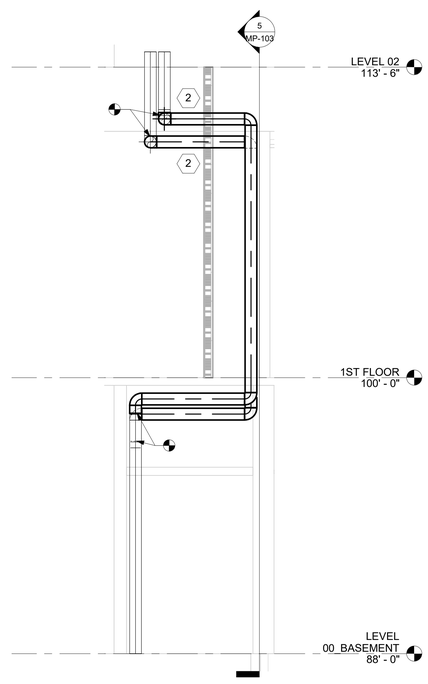
3 Section 3
3/8" = 1'-0"



4 NEW CASKET LIFT ISO



5 Section 4
3/8" = 1'-0"



6 Section 5
3/8" = 1'-0"

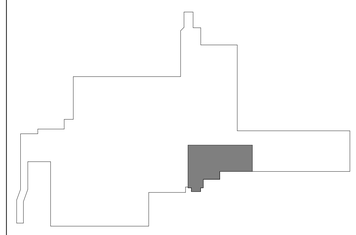
SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO VERIFY EXISTING DUCTWORK, PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. VERIFY THAT PLANNED PIPE RUNS WILL CLEAR THE NEW WAITING ROOM WALL BEFORE DEMOLISHING OR CONSTRUCTING IN THIS AREA.
3. INSULATE NEW PIPING AND REPAIR ANY DAMAGED INSULATION AS REQUIRED.
4. REFER TO INFECTION CONTROL GENERAL INFORMATION SHEET GC-001 FOR INFORMATION AND DETAILS PERTAINING TO ICRA FOR AREA.

KEY NOTES: (#)

1. PIPE SIZES ARE ESTIMATES. CONTRACTOR TO CONFIRM BEFORE BEGINNING WORK.
2. PROVIDE AN APPROVED FIRE-RATED ASSEMBLY IN RATED WALLS WHERE PIPE PENETRATIONS ARE PROVIDED BY THE CONTRACTOR.

KEYPLAN



100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE:
FIRST FLOOR MECHANICAL CHW PIPING DEMO/NEW PLAN - CASKET LIFT

APPROVED:

PROJECT TITLE:
DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM
2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026
CHECKED: DL
DRAWN: AD

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: MP-103
DWG. 42

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

FAN SCHEDULE

MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW	TSP	FAN								MOTOR ELECTRICAL						REMARKS
										DIAMETER				NOMINAL POWER						
				CFM	IN	TYPE	WHEEL	CLASS	ARRANGEMENT, ROTATION, AND DISCHARGE	IN	MIN % EFF	DRIVE	FAN RPM	BHP	HP	PHASE	VOLT	RPM	SPEED CONTROL	
SF-1-8A THRU F	BLDG 1 SUB-BASEMENT	BASEMENT 1ST & 2ND FLOORS	AHU-1-8	9000 EACH 54000 TOTAL	3.25	PLENUM	AIRFOIL	II	4 / CW & CCW / HORIZONTAL	24	74%	DIRECT	1497	6.23	7.5	3	208	1750	VARIABLE	1
(N) ARC-EF-01	OPC PENTHOUSE ROOF	1ST FLOOR ARC	EXHAUST	1885	4.5	CENTRIFUGAL	-	-	4, HIGH PLUME	15.75	90.1%	DIRECT	2490	3.1	5	3	460	1770	VARIABLE	2, 3, 4
(N) ARC-EF-02	OPC PENTHOUSE ROOF	1ST FLOOR ARC	EXHAUST	1885	4.5	CENTRIFUGAL	-	-	4, HIGH PLUME	15.75	90.1%	DIRECT	2490	3.1	5	3	460	1770	VARIABLE	2, 3, 4

NOTES:
1. FAN IS EXISTING. INFORMATION IS TAKEN FROM PROJECT 570-17-700 DRAWING 1-M001 AND IS TO BE USED FOR REFERENCE ONLY.
2. FANS ARE N+1 REDUNDANT.
3. DISCHARGE VELOCITY SHALL BE 3,500 FPM.
4. STATIC PRESSURE IS CALCULATED BASED ON LOADED HEPA FILTERS.

AIR HANDLING UNIT SCHEDULE

MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	AIR FLOW	AIR FLOW			SUPPLY FAN MARK	RETURN OR RELIEF FAN MARK	PRE-FILTER #1 MARK	PRE-FILTER #2 MARK	FINAL FILTER MARK	FINAL FILTER MARK	HEATING & COOLING COIL MARK	PREHEAT COIL MARK	COOLING COIL MARK	REHEAT COIL	HUMIDIFIER MARK	REMARKS
					SUPPLY	MIN OA	RETURN												
					CFM	CFM	CFM												
AHU-1-8	BLDG 1 SUB-BASEMENT	BASEMENT 1ST & 2ND FLOORS	SITE-BUILT, 100% OUTSIDE AIR	-	54,000	-	-	SF-1-8A THRU F	-	PF-1-8A	PF-1-8B	FF-1-8A	1-FF5	HCWC-A1 THRU E	1-PHC5	1-CC5	AT TU	-	1

NOTES:
1. AIR HANDLER UNIT IS EXISTING. INFORMATION ON THIS SCHEDULE IS TAKEN FROM PROJECT 570-17-700 DRAWING 1-M001 AND IS TO BE USED FOR REFERENCE ONLY.

AIR FILTER SCHEDULE

MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	MERV RATING	AIR FLOW	APD	TYPE	CARTRIDGES		REMARKS
						INITIAL		QTY - SIZE (IN)	ARRANGEMENT	
					CFM	IN				
FF-1-8A	BLDG 1 SUB-BASEMENT	BASEMENT 1ST & 2ND FLOORS	AHU-1-8	14	54000	0.34	CARTRIDGE	27 - 24 x 24 9 - 12x24	9 WIDE BY 4 HIGH	1, 2
PF-1-8A	BLDG 1 SUB-BASEMENT	BASEMENT 1ST & 2ND FLOORS	AHU-1-8	8	54000	0.21	PLEATED	35 - 24 x 24	7 WIDE BY 5 HIGH	1, 3
PF-1-8B	BLDG 1 SUB-BASEMENT	BASEMENT 1ST & 2ND FLOORS	AHU-1-8	11	54000	0.2	CARTRIDGE	35 - 24 x 24	7 WIDE BY 5 HIGH	1, 3
(N) ARC-F-01	OPC PENTHOUSE ROOF	1ST FLOOR ARC	EXHAUST	HEPA	1885	1.0	BAG	-	-	-
(N) ARC-F-02	OPC PENTHOUSE ROOF	1ST FLOOR ARC	EXHAUST	HEPA	1885	1.0	BAG	-	-	-

NOTES:
1. FILTER IS EXISTING. INFORMATION ON THIS SCHEDULE IS TAKEN FROM PROJECT 570-17-700 DRAWING 1-M001 AND IS TO BE USED FOR REFERENCE ONLY.
2. 1-STAGE PRE-FABRICATED GALV FILTER FRAME WITH CLIPS, 2-13/16" DEPTH.
3. 2-STAGE PRE-FABRICATED GALV FILTER FRAME WITH CLIPS, 2-13/16" DEPTH.

AIR DEVICE SCHEDULE (SUPPLY)

MARK	TYPE	AIR FLOW		MAX APD	MOUNTING	PANEL/FRAME SIZE	NECK SIZE	NC	DAMPER	FINISH	REMARKS
		MIN	MAX								
		CFM	CFM	IN WG		IN x IN	IN				
S-1	LOUVERED FACE	40	160	0.080	CEILING	24 x 24	6 ø	19	NONE	WHITE	1, 2
S-2	LOUVERED FACE	70	280	0.100	CEILING	24 x 24	8 ø	23	NONE	WHITE	1, 2
S-3	LOUVERED FACE	110	380	0.090	CEILING	24 x 24	10 ø	22	NONE	WHITE	1, 2
S-4	LOUVERED FACE	160	470	0.080	CEILING	24 x 24	12 ø	19	NONE	WHITE	1, 2
S-5	LOUVERED FACE	220	640	0.090	CEILING	24 x 24	14 ø	21	NONE	WHITE	1, 2
S-6	LOUVERED FACE	250	740	0.100	CEILING	24 x 24	16 ø	22	NONE	WHITE	1, 2

NOTES
1. SEE FLOOR PLAN FOR THROW PATTERN.
2. SEE DETAIL FOR DAMPER IN BRANCH DUCT SERVING EACH DIFFUSER.

AIR TERMINAL UNIT SIZING SCHEDULE

SIZE	MIN ALLOWABLE AIR FLOW	MAX ALLOWABLE AIR FLOW	DUCT INLET SIZE	MAX APD	MAXIMUM SOUND POWER LEVEL (Re: 10 -12 WATTS) FOR BOX DISCHARGE AT MAXIMUM INLET DUCT STATIC						HOT WATER HEATING COIL					REMARKS
					OCTAVE BANDS						EAT	EWT	FLOW	MAX WPD	PIPE RUNOUT SIZE TO COIL	
	CFM	CFM	IN	IN WG	2	3	4	5	6	7	°F	°F	GPM	FT	IN	
A	60	170	4	0.4	69	65	58	52	51	47	55	130	0.5	3	0.75	---
B	90	260	5	0.4	69	63	59	52	51	47	55	130	0.5	3	0.75	---
C	130	380	6	0.4	69	67	61	55	52	49	55	130	0.7	4	0.75	---
D	160	490	7	0.4	70	68	63	57	53	49	55	130	0.7	4	0.75	---
E	230	680	8	0.4	71	68	59	53	51	47	55	130	1	3	0.75	---
F	270	790	9	0.4	71	69	60	54	51	47	55	130	1.5	4	0.75	---
G	350	1050	10	0.4	74	68	61	57	54	52	55	130	1.5	4	0.75	---
H	500	1500	12	0.4	73	69	64	59	57	53	55	130	2.5	3	0.75	---
I	750	2250	14	0.4	73	68	65	61	61	59	55	130	3.5	4	0.75	---
J	1000	3000	16	0.4	73	68	66	60	58	55	55	130	4.5	4	1	---

NOTES:
1. INLET STATIC BASED ON ARI 885-98.
2. THIS SCHEDULE IS USED WITH THE TERMINAL UNIT SCHEDULE.
3. CONTROL SEQUENCE SHALL BE AS INDICATED ON THE AIR TERMINAL UNIT SCHEDULE.
4. PROVIDE SOUND ATTENUATION AFTER-SECTION AS REQUIRED TO MEET ROOM NC LEVEL.

AIR DEVICE SCHEDULE (EXHAUST)

MARK	TYPE	AIR FLOW		MAX APD	MOUNTING	PANEL/FRAME SIZE	NECK SIZE	NC	DAMPER	FINISH	REMARKS
		MIN	MAX								
		CFM	CFM	IN WG		IN x IN	IN x IN				
E-1	PERFORATED	60	100	0.088	CEILING	24 x 24	6 ø	13	NONE	WHITE	----
E-2	PERFORATED	110	170	0.088	CEILING	24 x 24	8 ø	13	NONE	WHITE	----
E-3	PERFORATED	170	250	0.088	CEILING	24 x 24	10 ø	14	NONE	WHITE	----
E-4	PERFORATED	240	400	0.088	CEILING	24 x 24	12 ø	12	NONE	WHITE	----
E-5	PERFORATED	320	500	0.087	CEILING	24 x 24	14 ø	12	NONE	WHITE	----

NOTE

HOT WATER UNIT HEATER SCHEDULE

MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE UNIT	AIR FLOW	MIN CAPACITY	TEMPERATURES		FLOW	WPD	CONTROL	MOTOR				REMARKS
						EAT	EWT				POWER	PHASE	VOLT	HZ	
				CFM	BTUH	°F	°F	GPM	FT		HP				
H-1A002	1A002	1A002	HORIZONTAL WALL-MOUNTED	150	8000	40	130	0.5	0.1	THERMOSTAT	0.5	1	115	60	----

SINGLE DUCT AIR TERMINAL UNIT SCHEDULE

MARK	LOCATION	AREA AND/OR ROOM SERVED	SYSTEM AIR HANDLING	SIZE	AIR FLOW	ADDITIONAL SOUND ATTUNATION REQUIRED	CONTROL TYPE	REHEAT			REMARKS
								HW	ELEC	NONE	
CV-1A01A	BLDG 1 1ST FLOOR	1A01A	AHU-1-8	C	330	NONE	CV	X			---
CV-1A01B	BLDG 1 1ST FLOOR	1A01B, 1A002	AHU-1-8	C	245	NONE	CV	X			---
CV-1A02	BLDG 1 1ST FLOOR	1A02	AHU-1-8	A	60	NONE	CV	X			---
CV-1A09	BLDG 1 1ST FLOOR	1A06, 1A09, 1A11	AHU-1-8	F	655	NONE	CV	X			---
CV-1A09A	BLDG 1 1ST FLOOR	1A09A	AHU-1-8	A	90	NONE	CV	X			---
CV-1A09B	BLDG 1 1ST FLOOR	1A09B	AHU-1-8	A	110	NONE	CV	X			---
CV-1A09C	BLDG 1 1ST FLOOR	1A09C	AHU-1-8	A	60	NONE	CV	X			---
CV-1A09D	BLDG 1 1ST FLOOR	1A09D	AHU-1-8	B	200	NONE	CV	X			---
CV-1A09E	BLDG 1 1ST FLOOR	1A09E	AHU-1-8	A	100	NONE	CV	X			---

REVISIONS	DATE
100% FOR CONSTRUCTION	04/07/2026

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DRAWING TITLE: MECHANICAL SCHEDULES

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

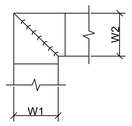
DRAWING NUMBER: M-401

DWG. 43

Office of Construction and Facilities Management

Department of Veterans Affairs

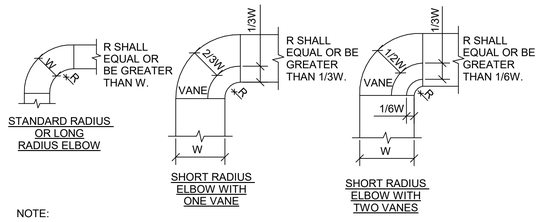
VA FORM 08-6231



NOTE:

1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION
3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" [50mm] RADIUS, 1 1/2" [40mm] MAXIMUM SPACE BETWEEN VANES AND A 3/4" [20mm] TRAILING EDGE.
4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" [500mm] VANES SHALL BE DOUBLE VANE TYPE.

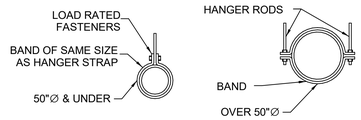
1 DUCTWORK SQUARE VANE ELBOWS
NTS



NOTE:

1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

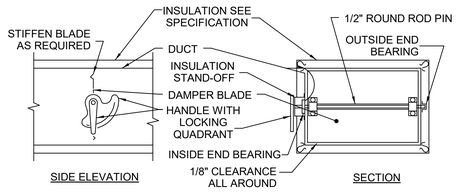
2 DUCTWORK RADIUS ELBOWS
NTS



HANGER STRAPS OR RODS			
MAX. DUCT ∅ IN.	QUANTITY/SIZE IN.	MAX. LOAD LBS.	MAX. SPACING IN.
26	ONE 1 x 22 GA STRAP	260	144
36	ONE 1 x 18 GA STRAP	420	144
50	ONE 1 x 16 GA STRAP	700	144
60	TWO 3/8∅. RODS	1320	144
84	TWO 1/2∅ RODS	2500	144

NOTE:
TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

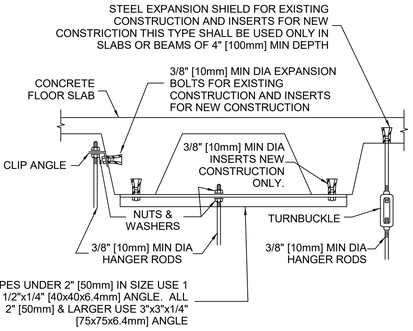
3 ROUND DUCT HANGERS
NTS



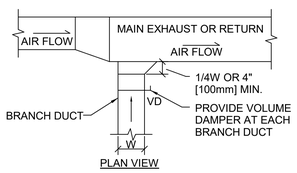
NOTE:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS

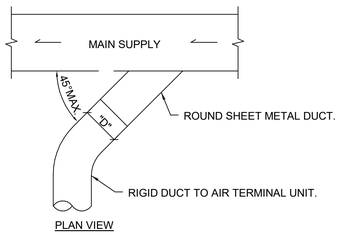
4 VOLUME DAMPER DETAIL
NTS



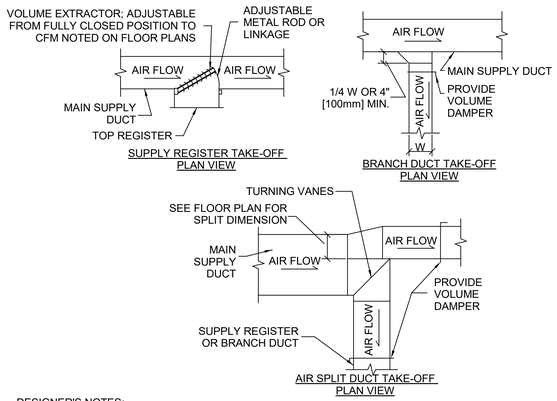
5 SECURING HANGER RODS IN CONCRETE
NTS



6 EXHAUST OR RETURN BRANCH DUCTWORK
NTS



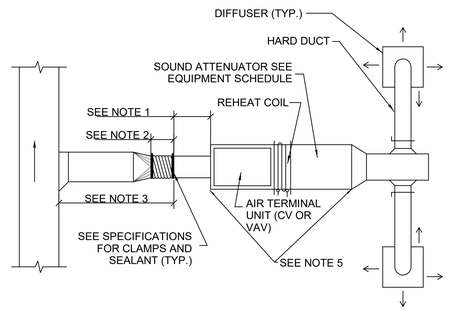
7 SUPPLY DUCT TAKEOFF - AIR TERMINAL UNIT
NTS



DESIGNER'S NOTES:

1. THE SUPPLY REGISTER TAKE-OFF MAY BE USED FOR UP UP TO 25% OF THE MAIN DUCT CFM. THE BRANCH DUCT TAKE-OFF MAY BE USED FOR UP TO 15% OF THE MAIN DUCT CFM ANYTIME AND UP TO 40% WHEN THE MAIN DUCT VELOCITY IS 1000 FPM [5.1 M/SI OR LESS. THE AIR SPLIT DUCT TAKE-OFF SHALL BE USED IN ALL OTHER CASES AND MAY BE USED AT ANYTIME.
2. SHOW ALL VOLUME DAMPERS ON FLOOR PLANS.

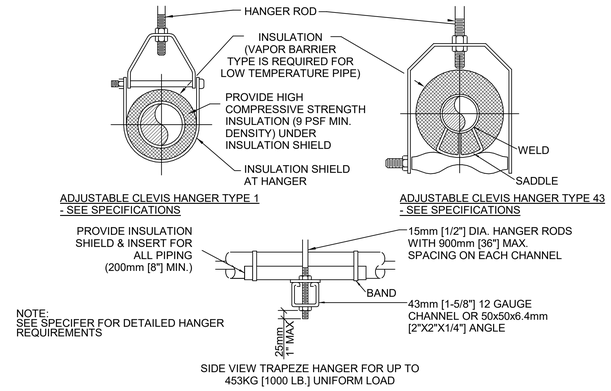
8 SUPPLY DUCTWORK TAKE-OFFS
NTS



NOTE:

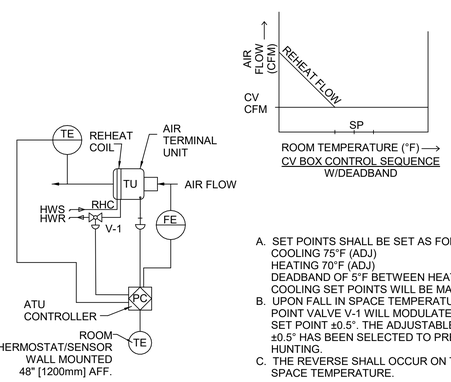
1. RIGID STRAIGHT TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF INLET.
2. A FLEXIBLE AIR DUCT CONNECTOR IS NOT MANDATORY FOR INLET TO THIS BOX, BUT ALLOWED TO ACCOMMODATE MINOR OFFSETS. MAXIMUM LENGTH 3'-0" [900mm].
3. A BRANCH DUCT SERVING AN INDIVIDUAL BOX MAY BE THE SAME SIZE AS THE BOX INLET, PROVIDED THE EQUIVALENT LENGTH OF THE BRANCH DUCT, AS SHOWN, DOES NOT EXCEED 10 FEET (3 METERS). FOR LONGER LENGTHS, INCREASE THE DUCT SIZE AND PROVIDE A DUCT TRANSITION TO MAINTAIN THE DUCT STATIC PRESSURE DROP AT OR BELOW 0.2"/100' [1.64Pa/m].
4. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION W/VAPOR BARRIER FOR CONNECTING DUCT SECTIONS.

9 DUCT CONNECTIONS - AIR TERMINAL UNITS
NTS



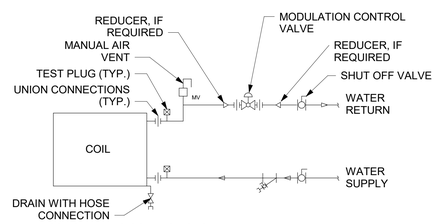
MAXIMUM PIPE/TUBING SUPPORT SPACING																			
NOM. SIZE	mm [IN]	THRU 20 [THRU 3/4]	25 [1]	32 [1-1/4]	40 [1-1/2]	50 [2]	65 [2-1/2]	75 [3]	100 [4]	125 [5]	150 [6]	200 [8]	250 [10]	300 [12]	350 [14]	400 [16]	450 [18]	500 [20]	550 [24]
PIPE	mm [FT]	2100 [7]	2100 [7]	2100 [7]	2700 [9]	3000 [10]	3400 [11]	3700 [12]	4100 [14]	4900 [16]	5200 [17]	5800 [19]	6700 [22]	7000 [23]	7600 [25]	8200 [27]	8500 [28]	9100 [30]	9600 [32]
TUBING	mm [FT]	1500 [5]	1800 [6]	2100 [7]	2400 [8]	2400 [8]	2700 [9]	3000 [10]	3700 [12]	4000 [13]	4100 [14]	4900 [16]	- -	- -	- -	- -	- -	- -	- -
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.																			

10 PIPE HANGERS
NTS

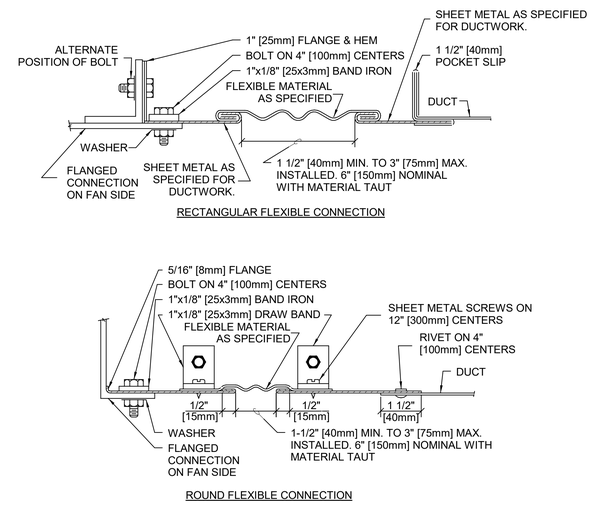


A. SET POINTS SHALL BE SET AS FOLLOWS:
COOLING 75°F (ADJ)
HEATING 70°F (ADJ)
DEADBAND OF 5°F BETWEEN HEATING AND COOLING SET POINTS WILL BE MAINTAINED.
B. UPON FALL IN SPACE TEMPERATURE BELOW SET POINT VALVE V-1 WILL MODULATE TO MAINTAIN SET POINT ±0.5°. THE ADJUSTABLE TOLERANCE OF ±0.5° HAS BEEN SELECTED TO PREVENT VALVE HUNTING.
C. THE REVERSE SHALL OCCUR ON THE RISE IN SPACE TEMPERATURE.

11 CONSTANT VOLUME AIR TERMINAL UNIT CONTROL DIAGRAM
NTS



12 TERMINAL UNIT WATER COILS - PIPING CONNECTIONS
NTS



13 FLEXIBLE DUCT CONNECTIONS
NTS

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: MECHANICAL DETAILS

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

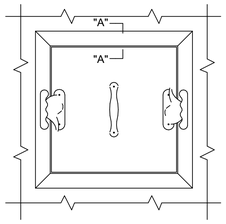
DRAWING NUMBER: M-501

DWG. 44

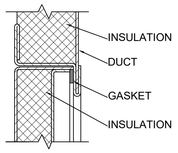
Office of Construction and Facilities Management

Department of Veterans Affairs

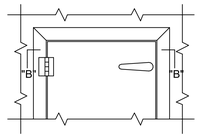
VA FORM 08-6231



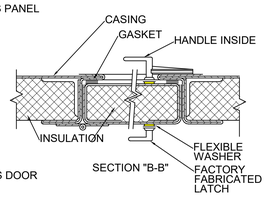
ACCESS PANEL



SECTION "A-A"



ACCESS DOOR



SECTION "B-B"

NOTES:
1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
3. SEE SMACNA 2005, FIGURE 9-15

DESIGNERS NOTES:
1. USE ACCESS DOORS ON AIR HANDLING UNITS AND DUCTWORK INSTALLED IN EQUIPMENT ROOMS.
2. USE ACCESS PANELS ON ALL EQUIPMENT AND DUCTWORK INSTALLED ABOVE FINISHED CEILINGS.

1 ACCESS PANEL AND DOOR DETAIL
NTS

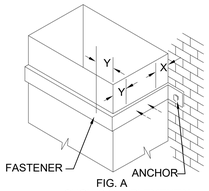


FIG. A
SHOWS SUPPLEMENTAL FASTENER LOCATIONS

FIG. A - SUGGESTED SIZING

DUCT SIZE	BAND
18"x12"	1-1/2"x16 GA.
24"x20"	1"x1/8"

TABLE 5-5

DUCT GAGE	ALLOWABLE LOAD PER FASTENER*
28, 26	25 LB
24, 22, 20	35 LB
18, 16	50 LB

*WELD, BOLT OR NO. 8 SCREW (MIN.)
DEVIATION PERMITTED BY OTHER ANALYSIS.
X=1", Y=2"; ADD OTHERS TO ACCOMMODATE LOAD. MINIMUM OF 3 ON 24" WIDTH AND UP. ADD ALONG SIDES NEAREST ANCHORS.

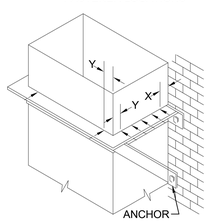
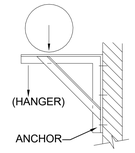


FIG. B



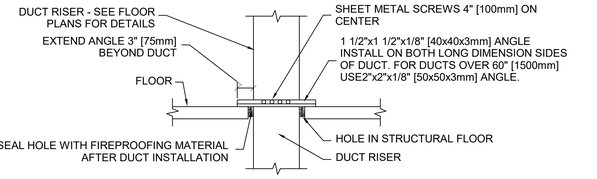
SEE KNEE BRACKET TABLES IN THE ROUND INDUSTRIAL STDS.

FIG. B - SUGGESTED SIZING

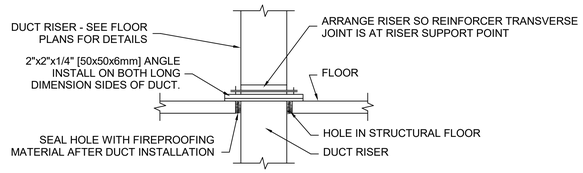
DUCT SIZE	ANGLE
30"x12"	1"x1"x1/8"
36"x18"	1"x1"x1/8"
42"x24"	1-1/4"x1-1/4"x1/8"
48"x30"	1-1/4"x1-1/4"x1/8"

NOTE:
1. BRACKETS ARE SIZED FOR 12 FEET OF DUCT, MAXIMUM.
2. LOCATE DUCTS AGAINST WALL OR MAXIMUM OF 2" AWAY FROM WALL.
3. EACH WALL ANCHOR SHALL SATISFY THE FOLLOWING CRITERIA UNLESS OTHER ANALYSIS IS MADE:
   A. TENSILE LOAD = 3/8 x DUCT WEIGHT; SAFETY FACTOR 4.
   B. SHEAR LOAD = 1/2 x DUCT WEIGHT; SAFETY FACTOR 4.

2 SMACNA - DUCT SUPPORTS FROM WALLS
NTS



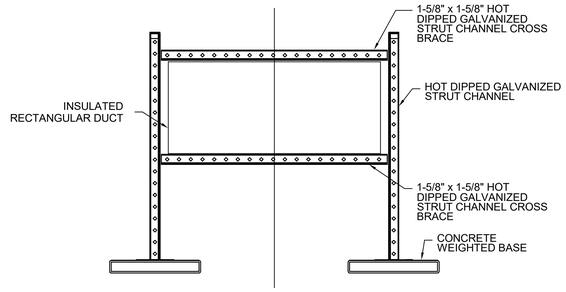
0.5 INCH WG [125Pa] TO 2 INCHES WG [500Pa] DUCT RISER SUPPORT



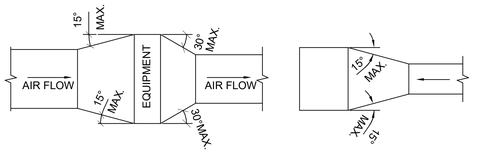
2 INCHES WG [500Pa] TO 4 INCHES WG [1000Pa] DUCT RISER SUPPORT

NOTE:
ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THRU ATTIC FLOORS AND FAN ROOM FLOORS SHALL BE PROVIDED WITH A 3" [75mm] HIGH CONCRETE CURB AROUND OPENING FOR DUCT.

3 DUCT RISER SUPPORTS
NTS



4 ROOF MOUNTED DUCTWORK
NTS

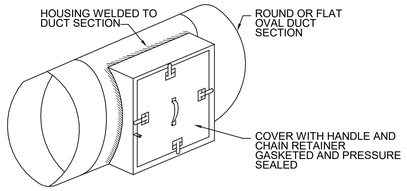


TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT
PLAN OR SIDE VIEW

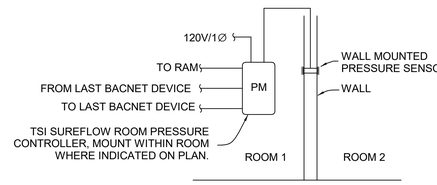
TYPICAL DUCTWORK TRANSITION
PLAN OR SIDE VIEW

NOTE:
UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

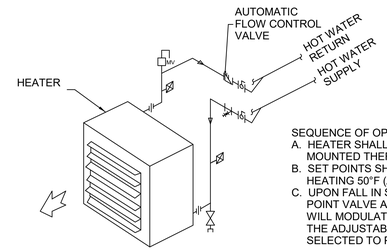
5 DUCTWORK TRANSITIONS (WITH EQUIPMENT MOUNTED IN DUCT)
NTS



6 ACCESS SECTION FOR ROUND/OVAL DUCT
NTS



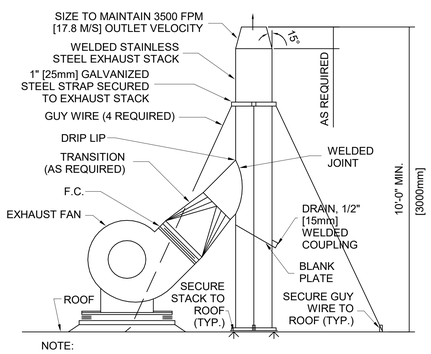
7 ROOM PRESSURE MONITORING DIAGRAM
NTS



SEQUENCE OF OPERATIONS:
A. HEATER SHALL BE CONTROLLED BY WALL MOUNTED THERMOSTAT IN SPACE.
B. SET POINTS SHALL BE SET AS FOLLOWS: HEATING 50°F (ADJ)
C. UPON FALL IN SPACE TEMPERATURE BELOW SET POINT VALVE AUTOMATIC FLOW CONTROL VALVE WILL MODULATE TO MAINTAIN SET POINT ±0.5°. THE ADJUSTABLE TOLERANCE OF ±0.5° HAS BEEN SELECTED TO PREVENT VALVE HUNTING.

TYPICAL CONNECTIONS TO HORIZONTAL HOT WATER UNIT HEATER

8 HEATER (HOT WATER) - PIPING CONNECTIONS
NTS



NOTE:
1. REQUIRED 3,500 FPM VELOCITY FOR ALL EXHAUSTS.
2. LOCATE AT LEAST 25' AWAY FROM ANY AIR INTAKE LOCATIONS AND OPERABLE WINDOWS.
3. ALL EXHAUST MUST BE VENTED THROUGH A HEPA FILTER SYSTEM. SEE ROOF PLAN FOR LOCATION
4. FAN, DUCTWORK, AND FILTER LABELED "COMMUNICABLE DISEASE CONTAMINATED AIR".
5. N+1 REDUNDANCY

9 EXHAUST STACK DETAIL
NTS

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

CONSULTANTS

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DRAWING TITLE: MECHANICAL DETAILS

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: M-502

DWG. 45

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

SEQUENCE OF OPERATION FOR ACUTE RESPIRATORY CLINIC
NORMAL OPERATING MODE

1. GENERAL

1.1 EXISTING AIR HANDLER AHU-1-8 AND EXISTING EXHAUST FAN EF02 ARE NORMALLY STARTED AND STOPPED REMOTELY AT THE ECC. H-O-A SWITCH SHALL BE KEPT IN THE "AUTO" POSITION. "HAND" AND "OFF" POSITIONS SHALL BE USED ONLY FOR MAINTENANCE.
1.2 AHU-1-8 IS AN EXISTING 100% OUTSIDE AIR UNIT, ALLOWING THE CLINIC TO RUN AT 100% OUTSIDE AIR YEAR-ROUND.
1.3 EXISTING EXHAUST FAN EF02 WILL BE USED DURING NORMAL OPERATION, WHEN THE CLINIC HAS NOT BEEN ACTIVATED.
1.3.1 DURING NORMAL OPERATION, DAMPER D-1 WILL REMAIN OPEN AND D-2 WILL REMAIN CLOSED.

2. EXHAUST FANS

2.1 WHEN DEACTIVATING THE CLINIC AND RETURNING TO NORMAL OPERATION, THE EXHAUST SYSTEM WILL SWITCHOVER FROM THE NEW EXHAUST FANS ARC-EF-01 AND ARC-EF-02, LOCATED ON THE OPC PENTHOUSE ROOF, TO EXISTING EXHAUST FAN EF02.
2.1.1 DAMPER D-1 WILL BE OPENED AND D-2 WILL BE CLOSED.

3. ALARMS

3.1 WHILE CLINIC IS NOT ACTIVATED AND IS UNDER NORMAL OPERATION, ALARMS FOR ROOM PRESSURE MONITORS SHALL BE DEACTIVATED.

SEQUENCE OF OPERATION FOR ACUTE RESPIRATORY CLINIC
CLINIC ACTIVATION

1. GENERAL

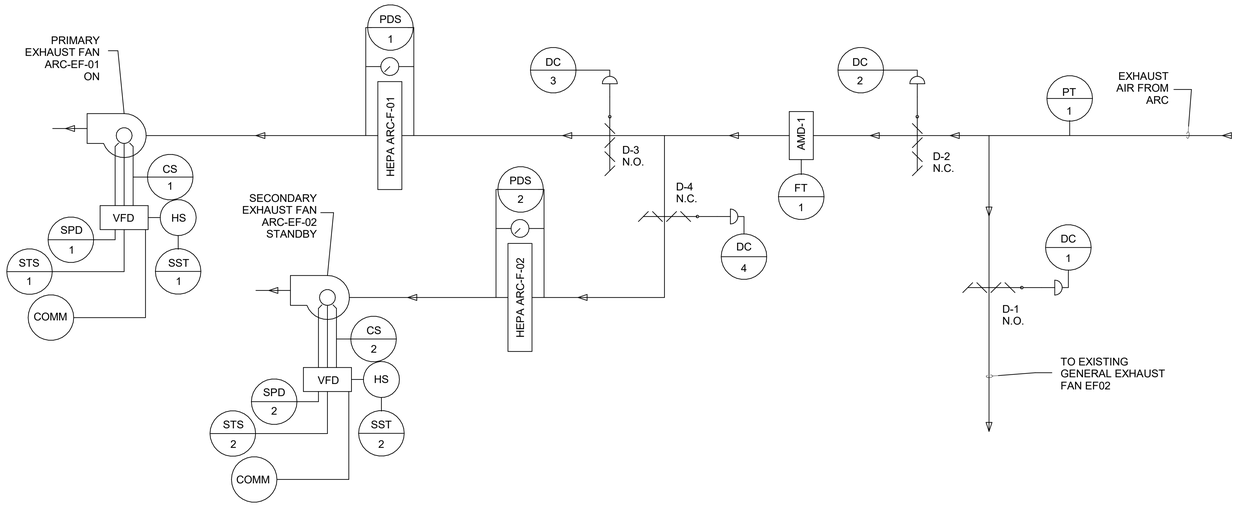
1.1 EXISTING AIR HANDLER AHU-1-8 AND EXISTING EXHAUST FAN EF02 ARE NORMALLY STARTED AND STOPPED REMOTELY AT THE ECC. H-O-A SWITCH SHALL BE KEPT IN THE "AUTO" POSITION. "HAND" AND "OFF" POSITIONS SHALL BE USED ONLY FOR MAINTENANCE.
1.2 AHU-1-8 IS AN EXISTING 100% OUTSIDE AIR UNIT, ALLOWING THE CLINIC TO RUN AT 100% OUTSIDE AIR YEAR-ROUND.
1.3 NEW EXHAUST FANS ARC-EF-01 AND ARC-EF-02 WILL BE USED DURING CLINIC ACTIVATION.
1.3.1 DURING CLINIC ACTIVATION, DAMPER D-1 WILL REMAIN CLOSED AND D-2 WILL REMAIN OPEN.

2. EXHAUST FANS

2.1 DURING CLINIC ACTIVATION, ACHIEVED THROUGH A CONTROLS ACTIVATION AT THE FACILITY ECC, THE EXHAUST SYSTEM WILL SWITCHOVER FROM EXISTING EXHAUST FAN EF02 TO THE NEW EXHAUST FANS ARC-EF-01 AND ARC-EF-02 LOCATED ON THE OPC PENTHOUSE ROOF.
2.1.1 DAMPER D-1 WILL BE CLOSED AND D-2 WILL BE OPENED.
2.2 EXHAUST FANS ARC-EF-01 AND ARC-EF-02 ARE N+1 REDUNDANT AND SHALL OPERATE IN A LEAD/LAG ARRANGEMENT. IF THE DUTY FAN IS NOT OPERATING OR HAS A FAILURE STATUS, THE STANDBY EXHAUST FAN SHALL BE OPERATED AUTOMATICALLY. EXHAUST FAN SHALL SWITCH FROM DUTY TO STANDBY ON A MONTHLY BASIS. ONE FAN SHALL RUN CONTINUOUSLY DURING CLINIC ACTIVATION.
2.2.1 THE LEAD EXHAUST FAN SHALL RAMP UP AND CONTROL TO THE DUCT MOUNTED STATIC PRESSURE SENSOR WHEN SWITCHED INTO CLINIC ACTIVATION MODE.
2.2.1.1 THE SETTING FOR THE STATIC PRESSURE SENSOR SHALL BE SET BY THE TAB AGENT AND BE USER ADJUSTABLE AT THE FRESNO ECC.
2.2.2 IN THE EVENT OF THE OPERATION OF THE LAG FAN, THE LAG FAN SHALL CONTROL TO THE DUCT MOUNTED STATIC PRESSURE SENSOR.
2.2.3 WHEN SWITCHING FROM ARC-EF-01 TO ARC-EF-02, D-3 WILL CLOSE AND D-4 WILL OPEN. WHEN SWITCHING FROM ARC-EF-02 TO ARC-EF-01, D-3 WILL OPEN AND D-4 WILL CLOSE.
2.2.4 EXHAUST FAN ACTIVATION, FAILURE, DAMPER CHANGE, OR UNIT ROTATION SHALL BE PROGRAMED TO PREVENT THE SPACE FROM GOING POSITIVE.
2.3 WHEN PRESSURE DROP ACROSS HEPA FILTER REACHES 2" WG, EXHAUST FAN WILL INDICATE FAILURE STATUS AND WILL AUTOMATICALLY SWITCH OVER TO STANDBY FAN.

3. ALARMS

3.1 DURING CLINIC ACTIVATION, ALARMS FOR ROOM PRESSURE MONITORS SHALL BE ENABLED. ALARM TO SOUND IF CLINIC IS POSITIVE FOR MORE THAN 5 MINUTES (ADJUSTABLE) AT THE FRESNO ECC.
3.2 IN THE EVENT A LEAD OR LAG EXHAUST FAN FAILURE ASSESSED BY THE CURRENT SENSOR, AN ALARM SHALL BE GENERATED AT THE FRESNO ECC.
3.3 IN THE EVENT OF EXHAUST FAN VFD ALARM, OR COMMUNICATIONS FAILURE AN ALARM SHALL BE GENERATED AT THE FRESNO ECC.
3.4 IF THE DUCT STATIC PRESSURE SENSOR IS 10% DIFFERENT (ADJUSTABLE) (+/-) FROM THE SETPOINT FOR MORE 5 MINUTES (ADJUSTABLE) AN ALARM SHALL BE GENERATED AT THE FRESNO ECC.
3.5 IF THE EXHAUST TOTAL AIRFLOW IS 10% DIFFERENT (ADJUSTABLE) (+/-) OF THE SETPOINT AS SET BY THE BALANCING AGENT FOR MORE THAN 5 MINUTES (ADJUSTBLE) AN ALARM SHALL BE GENERATED AT THE FRESNO ECC.
3.6 AN ALARM SHALL BE GENERATED AT THE FRESNO ECC ANYTIME EITHER HEPA FILTER PRESSURE DIFFERENTAL EXCEEDS 2"WG.



JOB:570-23-223 VA FRESNO, CA FRESNO VAMC DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC	POINT LEGEND		SYSTEM OUTPUTS				SYSTEM INPUTS						SYSTEM SOFTWARE / CONTROL				
			ANALOG				BINARY				ANALOG			ALARM PROCESSING		APPLICATION / FUNCTION	
SYSTEM ACUTE RESPIRATORY CLINIC SYSTEM COMPONENTS	POINT ID	ABBREVIATION	TEMPERATURE	PRESSURE	FLOW	VALVE / DAMPER POSITION	STATUS	ALARM	PRESSURE	TEMPERATURE	PRESSURE	FLOW	LOCAL ALARM PANEL	MASTER ALARM PANEL	HIGH LIMIT	LOW LIMIT	PRESSURE/VOLUME CONTROL	SPACE TEMP CONTROL	FULL COMMUNICATION	TRENDING	REMARKS
CV Supply Air Flow	AI-1	CV-SAF										●					●		●	●	
CV Supply Air Flow Setpoint	AO-1	CV-SAS			●												●		●	●	
CV Heating Valve Position	AO-2	CV-HPOS				●												●	●	●	
Exhaust HEPA ARC-F-1 Differential Pressure	AI-2	PDS-1						●			●			●	●						
Exhaust HEPA ARC-F-2 Differential Pressure	AI-3	PDS-2						●			●			●	●						
Exhaust Airflow	AI-4	AMD-1						●				●		●	●	●	●		●	●	
Exhaust Fan Status ARC-EF-01	BI-1	STS-1					●	●						●						●	
Exhaust Fan Status ARC-EF-02	BI-2	STS-2					●	●						●						●	
Exhaust Fan VFD Alarm ARC-EF-01	BI-3	EF1-ALA						●						●						●	
Exhaust Fan VFD Alarm ARC-EF-02	BI-4	EF2-ALA						●						●						●	
Exhaust Fan Current Switch ARC-EF-01		CS-1																			
Exhaust Fan Current Switch ARC-EF-02		CS-2																			
Room Temperature	AI-5	SPS-RMT								●								●	●	●	
Room Pressure	AI-6	SPS-RMP									●		●	●		●	●		●	●	
Room Pressure Setpoint	AO-3	SPS-RPS		●													●		●	●	
Room Temperature Setpoint	AO-4	SPS-RTS	●															●	●	●	
Duct Static Pressure	AI-7	PT-1						●			●						●		●	●	
Duct Static Pressure Setpoint	AO-5	PT-1		●													●		●	●	
Damper Position (General Exhaust Fan EF02)	AO-6	D-1				●											●		●	●	
Damper Position (New ARC Exhaust Fans)	AO-7	D-2				●											●		●	●	
Damper Position (ARC-EF-01)	AO-8	D-3				●											●		●	●	
Damper Position (ARC-EF-02)	AO-9	D-4				●											●		●	●	

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: MECHANICAL CONTROLS

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: DL | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: M-503

DWG. 46

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

EQUIPMENT SYMBOLS

WALL HUNG FLUSH TYPE
FLOOR MOUNTED FLUSH TYPE
SHOWER
URINAL
MOP RECEPTOR
SINK
WALL HUNG LAVATORY
COUNTERTOP LAVATORY
NO NC
BALL VALVE
BACKFLOW PREVENTER

EQUIP. ABBRE.

AAHX	AIR TO AIR HEAT EXCHANGER
ACC	AIR COOLED CONDENSER
ACCH	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
ACU	AIR CONDITIONING UNIT
AF	AFTER FILTER
AHU	AIR-HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BDR	BASE BOARD RADIATOR
BHW	HOT WATER HEATING BOILER
BHX	BOILER BLOWDOWN HEAT EXCHANGER
BT	BLOWOFF TANK
CC	COOLING COIL
CCD	COOLING COIL CONDENSATE
CFP	CHEMICAL FEED PUMP
CH	CHILLER
CHP	CHILLED WATER PUMP
COMP	COMPRESSOR UNIT
CP	CONDENSATE PUMP
CS	CONDENSATE STORAGE TANK
CSG	CLEAN STEAM GENERATOR
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CWCC	CHILLED WATER COOLING COIL
CWP	CONDENSER WATER PUMP
DXCC	DIRECT EXPANSION COOLING COIL
EC	EVAPORATIVE COOLER
ECU	EVAPORATIVE CONDENSER UNIT
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EH	EXHAUST HOOD
ERC	ELECTRIC REHEAT COIL
ERP	ELECTRIC RADIANT PANEL
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWC	EVAPORATIVE WATER COOLER
FCU	FAN COIL UNIT (4 PIPE)
FCUC	FAN COIL UNIT COOLING ONLY
FCUH	FAN COIL UNIT HEATING ONLY
FHX	FLUE GAS/FEEDWATER HEAT EXCHANGER
FPTU	FAN POWERED TERMINAL UNIT
FTR	FIN TUBE RADIATION
H	HUMIDIFER
HC	HEATING COIL
HD	HOOD
HP	HEAT PUMP
HPDT	HIGH PRESSURE DRIP TRAP
HRC	HEAT RECOVERY COIL
HRD	HEAT RECOVERY DEVICE
HRP	HYDRONIC RADIANT (CEILING) PANEL
HRW	HEAT RECOVERY WHEEL
HUM	HUMIDIFIER UNIT MOUNTED
HVU	HEATING AND VENTILATING UNIT
HWC	HOT WATER COIL
HWHC	HOT WATER HEATING COIL
HWP	HEATING HOT WATER PUMP
HWUH	HOT WATER UNIT HEATER
HX	HEAT EXCHANGER
ICF	IN-LINE CENTRIFUGAL FAN
ILI	INDUCTION UNIT
LLHX	LIQUID TO LIQUID HEAT EXCHANGER
MAU	MAKE-UP AIR UNIT
P	PUMP
PF	PRE-FILTER
PHC	PREHEAT COIL
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RAHX	ROTARY AIR HEAT EXCHANGER
RCCH	REMOTE CONDENSER CHILLER
RCU	RECIPROCATING CHILLER UNIT
RF	RETURN FAN
RHC	REHEAT COIL
SAD	SOUND ATTENUATING DEVICE
SF	SUPPLY FAN
SH	STEAM HUMIDIFIER
SHC	STEAM HEATING COIL
SSHX	STEAM TO STEAM HEAT
ST	EXCHANGER STEAM TRAP
SUH	STEAM UNIT HEATER
SWHX	STEAM TO WATER HEAT EXCHANGER
TU	TERMINAL UNIT
UC	UNIT COOLER
UH	UNIT HEATER
VUH	VERTICAL UNIT HEATER
WCCH	WATER COOLED CHILLER
WCCU	WATER COOLED CONDENSING UNIT
WCHP	WATER COOLED HEAT PUMPS
WCPU	WATER COOLED PACKAGED UNIT
WEF	WALL EXHAUST FAN
WF	WATER FILTER

ABBREVIATIONS

ABS	ACRYLONITRILE BUTADIENE STYRENE
AC	ALTERNATING CURRENT
A/E	ARCHITECT/ENGINEER
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AG	AIR GAP
AISI	AMERICAN IRON AND STEEL INSTITUTE
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATION, AIR CONDITIONING ENGINEERS
ASJ	ALL SERVICE JACKET
ASME	AMERICAN SOCIETY OF
DRAIN	MECHANICAL ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
ASR	AUTOMATIC SPRINKLER RISER
AWG	AMERICAN WIRE GAUGE
BACNET	BUILDING AUTOMATION AND CONTROL NETWORK
BAS	BUILDING AUTOMATION SYSTEM
BFP	REDUCED PRESSURE BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTU/H	BRITISH THERMAL UNIT PER HOUR
C	CELSIUS
CDA	COPPER DEVELOPMENT ASSOCIATION
CGA	COMPRESSED GAS ASSOCIATION
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CRS	CORROSION RESISTANT STEEL
CV	CONTROL VALVE
CXA	COMMISSIONING AGENT
DB	DECIBELS
DB(A)	DECIBELS (A WEIGHTED)
DDC	DIRECT DIGITAL CONTROL
DFU	DRAINAGE FIXTURE UNITS
DI	DEIONIZED WATER
DOE	DEPARTMENT OF ENERGY
DW	DISHWASHER
DWG	DRAWING
ECC	ENGINEERING CONTROL CENTER
EL	ELEVATION
EPA	ENVIRONMENTAL PROTECTION AGENCY
(E)	EXISTING
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT (HOSE) CONNECTION
FOP	FUEL OIL PUMP
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FS	FLOW SWITCH
FU	FIXTURE UNITS
GAL	GALLON
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GRS	GAS REGULATOR STATION
GT	GREASE TRAP
GVTR	GAS VENT THROUGH ROOF
H&CW	HOT AND COLD WATER
HB	HOSE BIBB
HD	HUB DRAIN
HDPE	HIGH DENSITY POLYETHYLENE
HG	MERCURY
HOA	HANDS-OFF-AUTOMATIC
HP	HORSEPOWER
HWCP	HOT WATER CIRCULATING PUMP
HX	HEAT EXCHANGER
HYD	HYDRANT
HZ	HERTZ
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
INV	INVERT
IPC	INTERNATIONAL PLUMBING CODE
KPA	KILOPASCAL
KW	KILOWATT
KWH	KILOWATT HOUR
LAV	LAVATORY
LB	POUND
LBS/HR	POUNDS PER HOUR
LNG	LIQUID NATURAL GAS
L/MIN	LITERS PER MINUTE
L/S	LITERS PER SECOND
M	METER
MA	MEDICAL AIR
MAV	MEDICAL AIR VENT
MAX	MAXIMUM

ABBREVIATIONS

MBH	1000 BTU PER HOUR
MFG	MANUFACTURER
MG	MILLIGRAM
MG/L	MILLIGRAMS PER LITER
ML	MILLILITER
MM	MILLIMETER
MIN	MINIMUM
MV	MEDICAL VACUUM
N2	NITROGEN
N20	NITROGEN OXIDE
NC	NORMALLY CLOSED
NF	OIL FREE DRY (NITROGEN)
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NPTF	NATIONAL PIPE THREAD FEMALE
NPS	NOMINAL PIPE SIZE
NPT	NOMINAL PIPE THREAD
NTS	NOT TO SCALE
O2	OXYGEN
OC	ON CENTER
OD	OUTSIDE DIAMETER
OR	OPERATING ROOM
OSD	OPEN SIGHT DRAIN
OS&Y	OUTSIDE STEM AND YOKE
PA	PASCAL
PD	PRESSURE DROP OR DIFFERENCE
PDI	PLUMBING AND DRAINAGE INSTITUTE
PG	PRESSURE GAUGE
PID	PROPORTIONAL-INTEGRAL-DIFFERENTIAL
PLC	PROGRAMMABLE LOGIC CONTROLLERS
PP	POLYPROPYLENE
PPM	PARTS PER MILLION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
PSIG	POUNDS PER SQUARE INCH GAUGE
PTFE	POLYTETRAFLUOROETHYLENE
PVC	POLYVINYL CHLORIDE
PVDF	POLYVINYLIDENE FLUORIDE
PW	POTABLE WATER
RD	ROOF DRAIN
RO	REVERSE OSMOSIS
RPM	REVOLUTIONS PER MINUTE
RTD	RESISTANCE TEMPERATURE DETECTORS
RTRP	REINFORCED THERMOSETTING RESIN PIPE
SCFM	STANDARD CUBIC FEET PER MINUTE
SDI	SILT DENSITY INDEX
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET
SPEC	SPECIFICATION
SPS	STERILE PROCESSING SERVICES
SQFT	SQUARE FEET
SS	SANITARY SEWER
STD	STANDARD
SUS	SAYBOLT UNIVERSAL SECOND
SW	STORM WATER
SWP	STEAM WORKING PRESSURE
TDV	TEMPERATURE CONTROL VALVE
TDH	TRENCH DRAIN TOTAL DYNAMIC HEAD
TEMP	TEMPERATURE
TFE	TETRAFLUOROETHYLENE
THHN	THERMOPLASTIC HIGH-HEAT RESISTANT NYLON COATED WIRE
THWN	THERMOPLASTIC HEAT & WATER RESISTANT NYLON COATED WIRE
TMV	THERMOSTATIC MIXING VALVE
T/P	TEMPERATURE AND PRESSURE
TP	TRAP PRIMER
TSTAT	THERMOSTAT
TYP	TYPICAL
V	VOLT
VA	VETERANS ADMINISTRATION
VAC	VACUUM
VAC	VOLTAGE IN ALTERNATING CURRENT
VAMC	VETERANS ADMINISTRATION MEDICAL CENTER
VA TIL	WWW.CFM.VA.GOV/TIL/INDEX.ASP
VHA	VETERANS HEALTH ADMINISTRATION
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WATER CLEANOUT
WG	WATER GAUGE
WH	WALL HYDRANT
WOG	WATER, OIL, GAS
WPD	WATER PRESSURE DROP
WS	WASTE STACK
WSFU	WATER SUPPLY FIXTURE UNITS

PLUMBING LAYERS

BACKGROUND
COLUMN LINE
DEMOLITION
EQUIPMENT
RELOCATE
REVISION
SCOPE
TEXT
COLD WATER (DCW)
HOT WATER (DHW)
HOT WATER RETURN (DHWR)
SANITARY SEWER (WASTE) (SS)
VENT (V)
EXISTING COLD WATER (DCW (E))
EXISTING HOT WATER (DHW (E))
EXISTING HOT WATER RETURN (DHW (E))
EXISTING SANITARY SEWER (SS (E))
EXISTING VENT (V (E))
MA — MEDICAL AIR
MV — MEDICAL VACUUM
O — OXYGEN
NG — NATURAL GAS
NG — NATURAL GAS, BELOW GRADE
SD — STORM WATER
SD — STORM WATER, BELOW GRADE

PIPING SYMBOLS

PIPE UP
PIPE DOWN
TEE
FLOW DIRECTION
FLOOR DRAIN
FLOOR SINK
PUMP
REDUCER
UNION
TEMPERATURE GAGE
PRESSURE GAGE
TEST PLUG
AUTOMATIC AIR VENT
MANUAL AIR VENT
ANGLED GLOBE
AUTOMATIC BALANCING CONTROL
BALANCING
BALL
BUTTERFLY
CHECK
CIRCUIT SETTER
CONTROL - FLOAT OPERATED
FLOW METER
GATE
GLOBE
MODULATING CONTROL
MODULATING CONTROL BUTTERFLY
PLUG
PNEUMATIC CONTROL
PRESSURE REDUCING (PRV)
PRESSURE REGULATING
PRESSURE SAFETY
SHUTOFF
THREE-WAY MODULATING CONTROL
THREE-WAY TWO POSITION CONTROL
TWO POSITION CONTROL
WATER BALANCE DEVICE
WYE STRAINER

PLUMBING SYMBOLS

DIRECTION OF PIPE PITCH (DOWN)
DIRECTION OF FLOW
ANCHOR
REDUCER OR INCREASER
ECCENTRIC REDUCER
TOP CONNECTION, 45° OR 90°
BOTTOM CONNECTION, 45° OR 90°
SIDE CONNECTION
CAPPED OUTLET
RISE OR DROP IN PIPE
UNION
PIPE UP
PIPE DOWN
POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
LIMIT OF DEMOLITION
INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES
FLOAT & THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES
STRAINER
THERMOMETER
PRESSURE GAGE
FLOW ELEMENT
CLEAN OUT
HOSE BIB
BM-FC-# — EQUIPMENT TAG (BUILDING NO - EQUIP NAME - EQUIP NUMBER)
1 — REVISION DELTAS
5 — SHEET NOTES
RELOCATE
CAP
POINT OF CONNECTION

PLUMBING SHEET LIST	
Sheet Number	Sheet Name
P-001	PLUMBING COVER SHEET
PD-101	BASEMENT PLUMBING DEMOLITION PLAN
PD-102	FIRST FLOOR PLUMBING DEMOLITION PLAN
P-101	BASEMENT PLUMBING PIPING PLAN
P-102	FIRST FLOOR PLUMBING PIPING PLAN
P-401	PLUMBING SCHEDULES
P-501	PLUMBING DETAILS
P-901	PLUMBING ISOMETRIC

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ALL INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
2. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE COR AND/OR ENGINEER TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE SHALL BE GIVEN TO THE COR AND/OR OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
3. ALL ITEMS INDICATED AS BEING DEMOLISHED OR REMOVED SHALL BE DISPOSED OF OFF-SITE.
4. THE PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ALL WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, THE DISCREPANCY SHALL BE REPORTED TO THE COR AND/OR ENGINEER FOR RESOLUTION.
5. ALL SHUT DOWNS OF EXISTING SYSTEMS SHALL BE SCHEDULED AND APPROVED BY THE COR PRIOR TO COMMENCEMENT OF SAID WORK.
6. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ALL DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT.
7. USE OF THE OWNER'S ELEVATORS AND BUILDING CORRIDORS FOR THE HANDLING OF NEW AND/OR REMOVED EQUIPMENT AND MATERIALS SHALL BE AT THE DIRECTION OF THE COR AND SHALL BE COORDINATED WITH HIS OPERATIONS.
8. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
9. EXCEPT WHERE INDICATED AS BEING RELOCATED, EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS.
10. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.
11. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
12. THE PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ANY WORK.
13. THE BALANCING CONTRACTOR SHALL TAKE FLOW (GPM) AND PRESSURE READINGS PRIOR TO THE START OF WORK ON ALL DUCTWORK THAT SERVES AREAS NOT PART OF THIS PROJECT BUT WHERE FLOW TO THOSE AREAS IS AFFECTED BY THIS PROJECT'S WORK. AFTER MODIFICATIONS TO SYSTEMS COVERED UNDER THIS PROJECT ARE COMPLETED, THE BALANCING CONTRACTOR SHALL BALANCE THE NON-AFFECTED AREAS TO THEIR ORIGINAL FLOW AND PRESSURE OR NEW FLOW AND PRESSURE IF NOTED.
14. IF PLUMBING CONTRACTOR ENCOUNTERS WHAT APPEARS TO BE A HAZARDOUS OR QUESTIONABLE MATERIAL, HE SHALL DISCONTINUE WORK IMMEDIATELY AND CONTACT THE COR AND/OR OWNER'S REPRESENTATIVE.
15. USE OF OWNER'S UTILITIES (I.E. ELECTRICITY, WATER, HVAC, ETC.) FOR WORK INDICATED ON THESE DOCUMENTS SHALL BE APPROVED BY THE COR PRIOR TO COMMENCEMENT OF SAID WORK.
16. THE PLUMBING CONTRACTOR SHALL CONFORM TO OWNER'S SAFETY AND SECURITY GUIDELINES IN THE PERFORMANCE OF ALL WORK INCLUDED IN THIS CONTRACT.
17. ALL BRANCH PIPING SHALL BE FURNISHED WITH SHUT OFF VALVES AND SHALL BE LOCATED IN ACCESSIBLE LOCATION BY OFFSETTING BRANCH PIPING WITH VALVES DOWN NEAR CEILING. PROVIDE ACCESS PANEL FOR ALL VALVES, CLEANOUTS, EQUIPMENT, ETC. IN NON ACCESSIBLE CEILING AREAS.
18. ALL SUSPENDED PIPING, DUCTWORK, CONDUIT AND CABLE TRAYS SHALL BE PROVIDED WITH, SEISMIC SWAY BRACES IN ACCORDANCE WITH THE MASON INDUSTRIES SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED PIPING, DUCTWORK AND ELECTRICAL SYSTEMS AND THE APPLICABLE CODES. INSTALLED SYSTEM SHALL MATCH EXISTING, RIGID OR CABLE TYPE.
19. GENERAL LOCATION OF FIXTURES ARE INDICATED ON PLUMBING PLANS. REFERENCE ARCHITECTURAL PLANS AND INTERIOR ELEVATIONS FOR SPECIFIC LOCATIONS.
20. RESTORE EXISTING FIRE PROOFING TO BEAMS, DECKS AND ALL OTHER BUILDING ELEMENTS WHICH ARE DISTURBED OR MODIFIED AS A RESULT OF NEW WORK BEING INSTALLED. RESTORED CONDITIONS SHALL MATCH EXISTING PRIOR TO NEW WORK BEING PERFORMED.
21. ALL EXISTING PIPE INSULATION REMOVED, AS REQUIRED TO PERFORM SCOPE OF WORK, SHALL BE REPAIRED USING LIKE MATERIAL TO THAT WHICH IS EXISTING.
22. PIPE ROUTINGS ARE DIAGRAMMATIC IN NATURE. PROVIDE OFFSETS, DROPS AND RISERS AS NECESSARY TO AVOID EXISTING ELECTRICAL, HVAC, PLUMBING, FIRE PROTECTION, ETC. SYSTEMS WHICH MAY INTERFERE WITH GENERAL ROUTING SHOWN ON DRAWINGS.
23. VERIFY EXISTING PLUMBING SYSTEM SIZES PRIOR TO FABRICATION OF NEW PLUMBING SYSTEMS. ANY EXISTING PLUMBING SYSTEMS DIFFERING IN SIZE FROM THAT NOTED ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE AND ENGINEER.
24. NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT ABBREVIATIONS INDICATED APPEAR ON THESE CONTRACT DRAWINGS.
25. ALL PIPING IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE HARD SUSPENDED CEILING, OR ACOUSTICAL CEILING.
26. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS. COORDINATE LOCATION WITH PLUMBING INSTALLATION AND DEMONSTRATE ACCESS TO EQUIPMENT SERVED.
27. ALL PRESSURES LISTED ARE GAGE PRESSURE, UNLESS OTHERWISE NOTED.
28. PRIOR TO CONSTRUCTION, PLUMBING CONTRACTOR TO DETERMINE EXACT INVERT ELEVATION, SIZE, DEPTH, AND LOCATION OF UTILITIES WHERE CONNECTIONS ARE TO OCCUR. NOTIFY COR AND ENGINEER OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS.
29. PLUMBING CONTRACTOR SHALL KEEP ONE SET OF CONTRACT DRAWINGS ASIDE AT THE SITE TO MARK UP ALL DEVIATIONS FROM CONTRACT DRAWINGS AND ANY DATA THAT IS PERTINENT FOR COMPLETION OF DOCUMENTS. AT COMPLETION OF PROJECT, TRANSFER MARKS TO A SET OF REPRODUCIBLE DRAWINGS AND DELIVER THIS SET OF DRAWINGS TO OWNER PRIOR TO FINAL ACCEPTANCE.

DRAWING SYMBOLS

X / M-XXX — DETAIL NUMBER / DRAWING NUMBER
X / M-XXX — SECTION LETTER / DRAWING NUMBER
SAN / 1 — RISER SYSTEM / RISER NUMBER

SCOPE OF WORK

REPLACE SINK AND TOILET IN RESTROOM 1A06. REMOVE SINK AND TOILET IN RESTROOM 1A11. ADD CLINIC SINK TO ROOMS 1A09A, 1A09B, 1A09D, AND 1A09E. ADD MOP SINK TO ROOM 1A12.

GENERAL DEMOLIION NOTES

1. SCHEDULE ALL SHUTDOWNS THAT AFFECT UTILITIES AND PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION WITH THE COR.
2. DEMOLITION WORK AT ALL TIMES SHALL BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE COR AND CARRIED OUT IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE NORMAL OPERATION OF THE BUILDING.
3. DISPOSE OF ALL REMOVED MATERIALS IN AN APPROVED MANNER.
4. ISOLATE, DRAIN, AND REFILL EXISTING SYSTEMS AS REQUIRED TO ACCOMMODATE INSTALLATION OF EXISTING AND NEW SYSTEMS.
5. PROVIDE ALL NECESSARY TEMPORARY/PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED.
6. ALL EXISTING PIPING SHALL BE FIELD VERIFIED FOR PROPER DEMOLITION. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES FROM CONTRACT DOCUMENTS OCCUR THAT MAY EFFECT EXISTING OPERATIONS.
7. DEMOLITION OF PIPING INCLUDES ALL ASSOCIATED VALVES, ACCESSORIES, INSULATION, HANGERS, AND SUPPORTS.
8. COORDINATE WITH COR ON REMOVAL AND PLACEMENT OF EQUIPMENT NOTED TO BE TURNED OVER TO COR. FOR EQUIPMENT NOT DESIRED BY COR, CONTRACTOR SHALL REMOVE OFF SITE IN AN APPROVED MANNER.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: PLUMBING COVER SHEET

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: MD | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

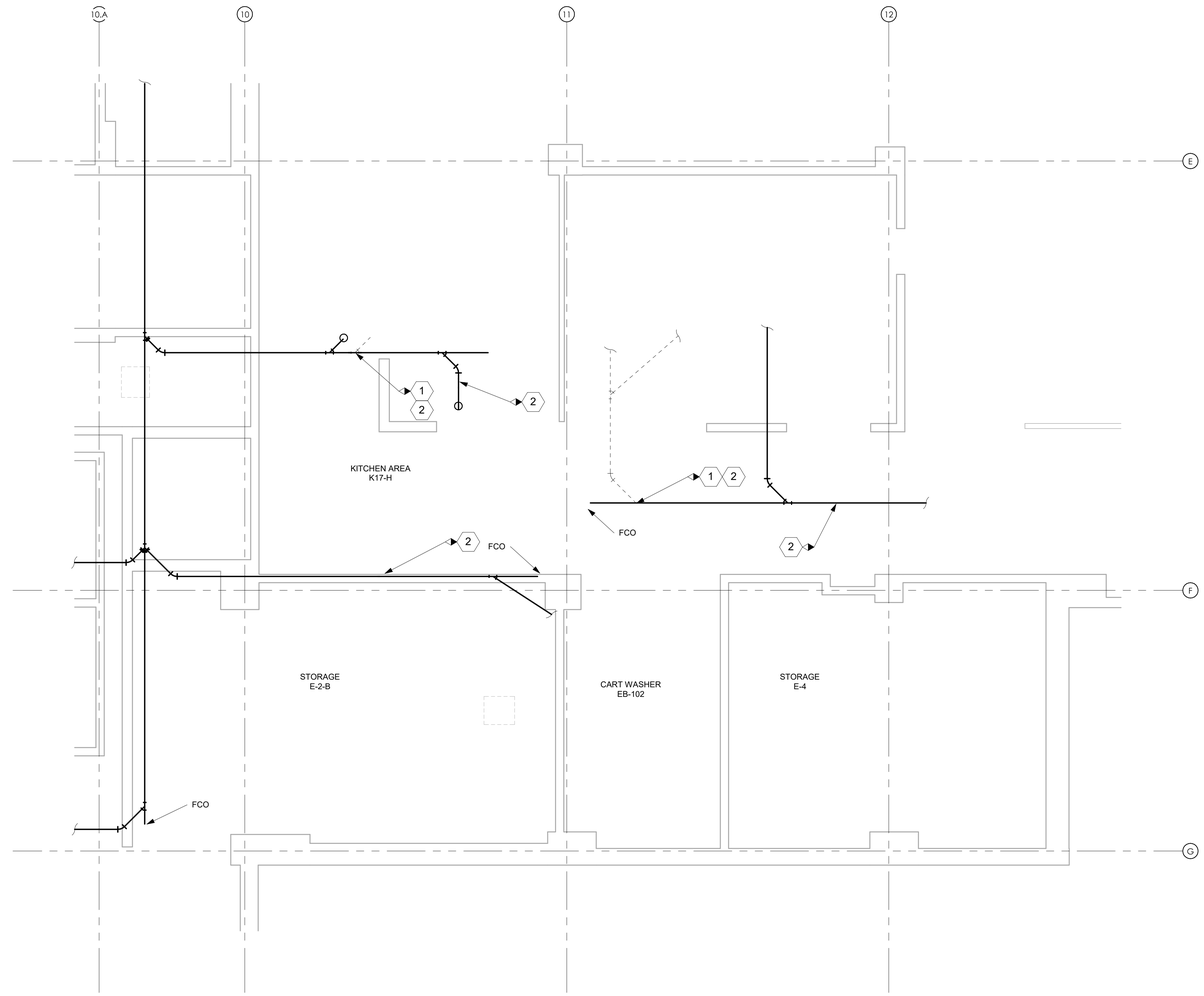
DRAWING NUMBER: P-001

DWG. 47 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 BASEMENT PLUMBING DEMOLITION PLAN
1/4" = 1'-0"

SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY EXISTING PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE INSTALLATION ROUTING WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. SEE SHEET P-001 FOR LEGENDS, SYMBOLS, ABBREVIATIONS, AND GENERAL PLUMBING NOTES.
3. PIPE SIZES AND LOCATIONS SHOWN ARE BEST INTERPRETATION OF AVAILABLE DATA. CONTRACTOR TO VERIFY PIPE SIZES DURING COURSE OF WORK, AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS.
4. PROVIDE ICRA IN ACCORDANCE WITH INFECTION CONTROL STAFF, SAFETY, AND FIRE PROTECTION PROTOCOLS IN COORDINATION AND APPROVAL WITH COR. WORK SHOWN SHALL REQUIRE ANY SUPPLEMENTAL DEMOLITION, REROUTING, REMOVAL AND REPLACEMENT OF ANY EXISTING CEILING, ADJACENT SURFACES OR UTILITIES AS NEEDED FOR ACCESS AND COMPLETION OF WORK.
5. REFERENCE PD-101 FOR FIRST FLOOR DEMOLITION. FIXTURE CONNECTION AND SANITARY SEWER SIZES BASED ON BEST INTERPREATATIONS OF AVAILABLE DATA.
6. SANITARY SEWER SHOWN IS ABOVE CEILING.

KEY NOTES: (#)

1. DEMO SANITARY SEWER PIPING TO POINT INDICATED AND CAP.
2. PROVIDE ICRA IN ACCORDANCE WITH INFECTION CONTROL STAFF, SAFETY, AND FIRE PROTECTION PROTOCOLS IN COORDINATION AND APPROVAL WITH COR. WORK SHOWN SHALL REQUIRE ANY SUPPLEMENTAL DEMOLITION, REROUTING, REMOVAL AND REPLACEMENT OF ANY EXISTING CEILING, ADJACENT SURFACES OR UTILITIES AS NEEDED FOR ACCESS AND COMPLETION OF WORK.

KEYPLAN

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

VA FORM 08-6231

CONSULTANTS

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DRAWING TITLE: BASEMENT PLUMBING DEMOLITION PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: MD | DRAWN: AD

PROJECT NUMBER: 570-23-223

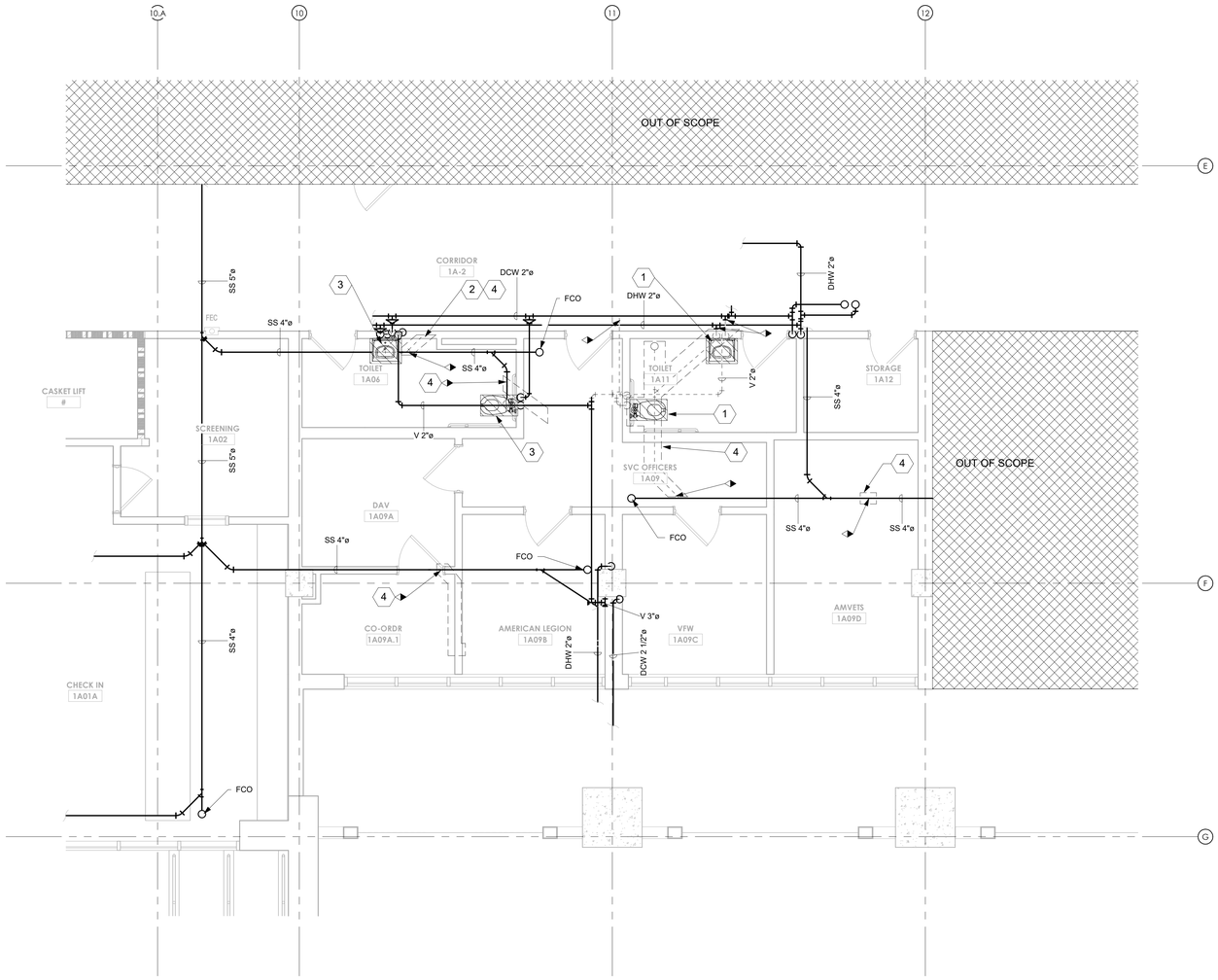
BUILDING NUMBER: 1

DRAWING NUMBER: PD-101

DWG. 48 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs



1 FIRST FLOOR PLUMBING DEMOLITION PLAN
1/4" = 1'-0"

SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY EXISTING PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE INSTALLATION ROUTING WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. SEE SHEET P-001 FOR LEGENDS, SYMBOLS, ABBREVIATIONS, AND GENERAL PLUMBING NOTES.
3. PIPE SIZES AND LOCATIONS SHOWN ARE BEST INTERPRETATION OF AVAILABLE DATA. CONTRACTOR TO VERIFY PIPE SIZES DURING COURSE OF WORK, AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS.
4. SANITARY SEWER SHOWN IS BELOW FLOOR, REFERENCE PD-101 FOR LOCATION REFERENCE IN BASEMENT CEILING.
5. PROVIDE ICRA IN ACCORDANCE WITH INFECTION CONTROL STAFF, SAFETY, AND FIRE PROTECTION PROTOCOLS IN COORDINATION AND APPROVAL WITH COR. WORK SHOWN SHALL REQUIRE ANY SUPPLEMENTAL DEMOLITION, REROUTING, REMOVAL AND REPLACEMENT OF ANY EXISTING CEILING, ADJACENT SURFACES OR UTILITIES AS NEEDED FOR ACCESS AND COMPLETION OF WORK.

KEY NOTES: (#)

1. DEMO EXISTING FIXTURE. DEMO SANITARY SEWER, VENT, AND DOMESTIC WATER PIPING BACK TO MAIN AND CAP.
2. DEMO ABANDONED DOMESTIC COLD WATER PIPING, AND VENT PIPING BACK TO MAIN AND CAP. DEMO ABANDONED SANITARY SEWER PIPING BACK TO MAIN AND CAP. CONTRACTOR TO VERIFY ABANDONED PIPE ROUTING.
3. DEMO EXISTING FIXTURE. DEMO VENT, AND DOMESTIC WATER PIPNG TO BEHIND WALL AND PREPARE FOR NEW CONNECTION. DEMO SANITARY SEWER PIPING TO BELOW FLOOR AND PREPARE FOR NEW CONNECTION.
4. CONTRACTOR TO VERIFY PIPING LOCATION. SAWCUT AS REQUIRED TO DEMO EXISTING SANITARY SEWER PIPING. REPAIR AND PATCH TO MATCH EXISTING STRUCTURE. SANITARY SEWER IS ABOVE CEILING IN THE BASEMENT KITCHEN AREA. SEE SHEET P-102 FOR SANITARY NEW WORK.

KEYPLAN

REVISIONS	DATE
100% FOR CONSTRUCTION	04/07/2026

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DRAWING TITLE: FIRST FLOOR PLUMBING DEMOLITION PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: MD | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

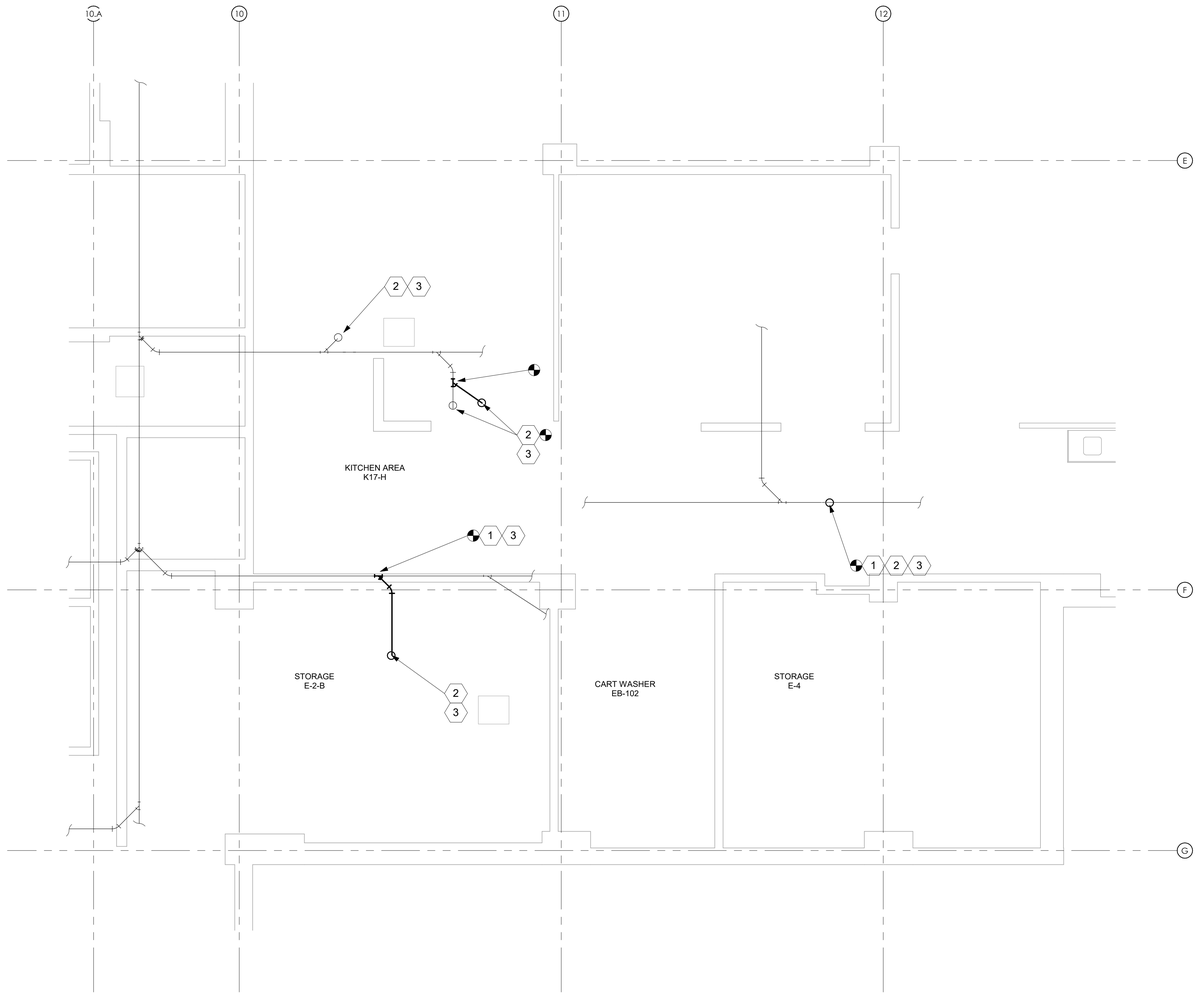
DRAWING NUMBER: PD-102

DWG. 49 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 BASEMENT PLUMBING PIPING PLAN
1/4" = 1'-0"

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5. REFERENCE P-101 FOR FIXTURE CONNECTION AND SANITARY SEWER SIZES BASED ON BEST INTERPREATATIONS OF AVAILABLE DATA.
6. SANITARY SEWER SHOWN IS ABOVE CEILING.

KEY NOTES:

1. ROUTE NEW SANITARY SEWER PIPING AND CONNECT TO MAIN IN LOCATION INDICATED.
2. SEE SHEET P-101 FOR CONNECTED FIXTURES.
3. PROVIDE ICRA IN ACCORDANCE WITH INFECTION CONTROL STAFF, SAFETY, AND FIRE PROTECTION PROTOCOLS IN COORDINATION AND APPROVAL WITH COR. WORK SHOWN SHALL REQUIRE ANY SUPPLEMENTAL DEMOLITION, REROUTING, REMOVAL AND REPLACEMENT OF ANY EXISTING CEILING, ADJACENT SURFACES OR UTILITIES AS NEEDED FOR ACCESS AND COMPLETION OF WORK.

KEYPLAN

100% FOR CONSTRUCTION	04/07/2026
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DRAWING TITLE: BASEMENT PLUMBING PIPING PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: MD | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

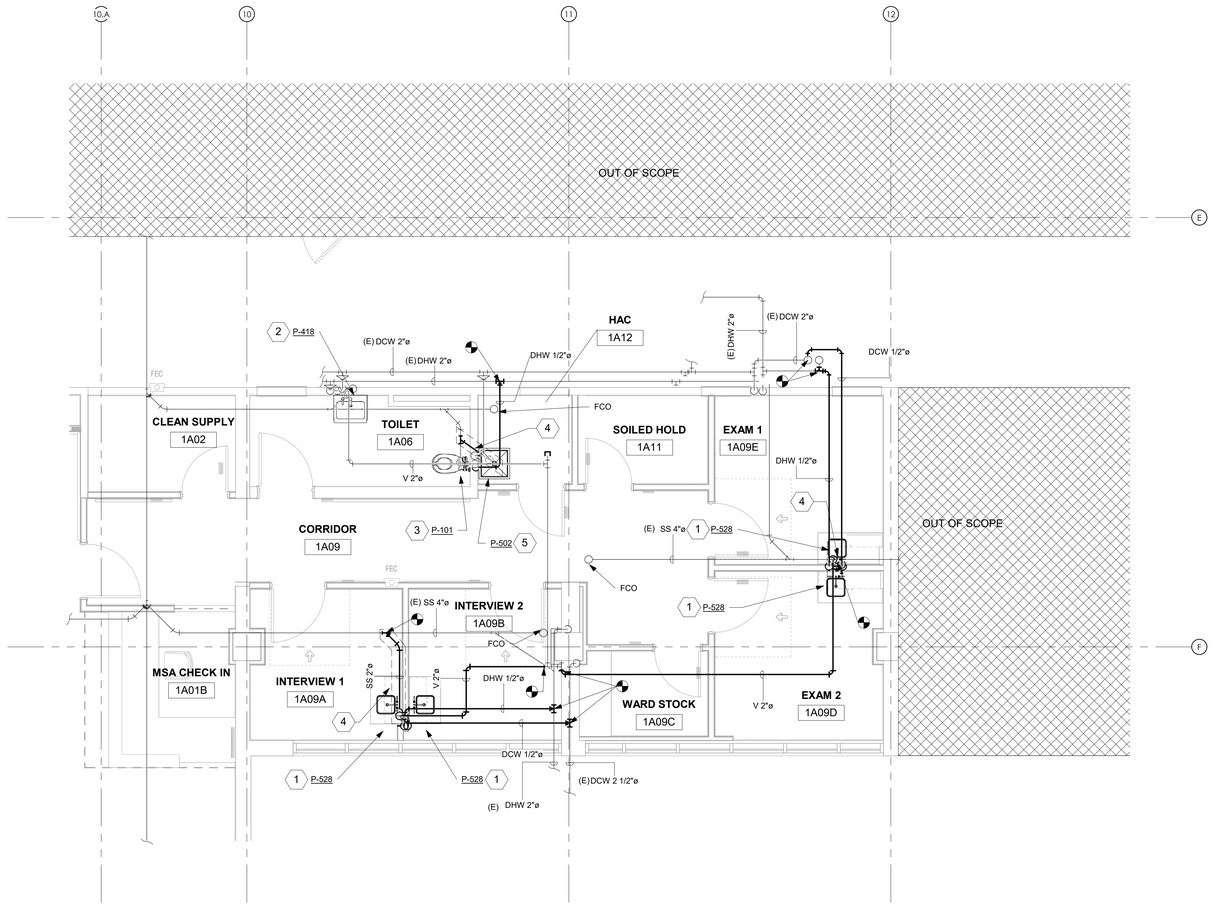
DRAWING NUMBER: P-101

DWG. 50 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 FIRST FLOOR PLUMBING PIPING PLAN
1/4" = 1'-0"

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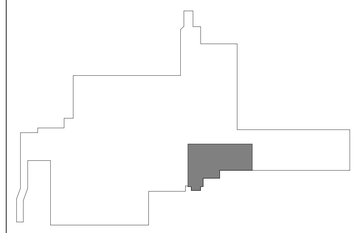
4. SANITARY SEWER SHOWN IS BELOW FLOOR, REFERENCE PD-101 FOR LOCATION REFERENCE IN BASEMENT CEILING.
5. PROVIDE ICRA IN ACCORDANCE WITH INFECTION CONTROL STAFF, SAFETY, AND FIRE PROTECTION PROTOCOLS IN COORDINATION AND APPROVAL WITH COR. WORK SHOWN SHALL REQUIRE ANY SUPPLEMENTAL DEMOLITION, REROUTING, REMOVAL AND REPLACEMENT OF ANY EXISTING CEILING, ADJACENT SURFACES OR UTILITIES AS NEEDED FOR ACCESS AND COMPLETION OF WORK.

KEY NOTES: (#)

1. PROVIDE NEW COUNTER MOUNTED CLINICAL SINK, STOPS, P-TRAP, THERMOSTATIC MIXING VALVE, AND APPURTENANCES. PROVIDE NEW DOMESTIC HOT WATER LINE, DOMESTIC COLD WATER LINE, SANITARY SEWER PIPING, AND VENT PIPING FROM POINT OF NEW CONNECTION ON THE PIPING MAINS TO THE NEW SINK AND CONNECT.
2. PROVIDE NEW WALL MOUNTED LAVATORY, STOPS, P-TRAP, THERMOSTATIC MIXING VALVE, AND APPURTENANCES. PROVIDE NEW DOMESTIC HOT WATER LINE, DOMESTIC COLD WATER LINE, SANITARY SEWER PIPING, AND VENT PIPING FROM EXISTING PIPING AND CONNECT.
3. PROVIDE NEW WATER CLOSET, STOPS, AND APPURTENANCES. PROVIDE NEW DOMESTIC COLD WATER LINE, VENT PIPING, AND SEWER PIPING AS REQUIRED FROM EXISTING PIPING AND CONNECT.
4. CONTRACTOR TO VERIFY EXISITING SANITARY SEWER LOCATION. SAWCUT AS REQUIRED FOR INSTALLATION OF NEW SANITARY SEWER PIPING. REPAIR AND PATCH TO MATCH EXISTING STRUCTURE. SANITARY SEWER IS ABOVE CEILING IN THE BASEMENT KITCHEN AREA.
5. PROVIDE NEW MOP SINK AND SERVICE SINK FAUCET. ROUTE NEW SANITARY SEWER PIPING FROM EXISTING MAIN AND CONNECT WITH P-TRAP. ROUTE NEW VENT PIPING AND CONNECT. ROUTE NEW DOMESTIC COLD WATER PIPNIG AND DOMESTIC HOT WATER PIPING FROM NEAREST MAINS AND CONNECT.

KEYPLAN



100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: FIRST FLOOR PLUMBING PIPING PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: MD | DRAWN: AD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: P-102

DWG. 51 OF 65

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

PLUMBING FIXTURE SCHEDULE

TAG	PRODUCT	MANUFACTURER / MODEL	DESCRIPTION / STYLE	CONNECTION				REMARKS
				CW	HW	SS	V	
P-101	WATER CLOSET	TOILET: SLOAN / ST-2029 FLUSH VALVE: SLOAN / ROYAL 111 ESS-1.6	FLOOR MOUNTED, TANKLESS, SENSOR OPERATED, HARD WIRED FLUSH VALVE, ADA COMPLIANT.	1	-	4	2	-
P-418	LAVATORY	SINK: MIDMARK / 027-1303-00 FAUCET: MIDMARK / CFT-6GSELC-1	WALL MOUNTED, SENSOR CONTROLLED, BATTERY OPERATED, BRUSHED STEEL.	1/2	1/2	1-1/2	1-1/2	1
P-502	MOP SINK	FIAT PRODUCTS	MODEL TTB2424501, RECTANGULAR, TERRAZZO, FAUCET 830AA000	1/2	1/2	1-1/2	1-1/2	1
P-528	CLINICAL SINK	SINK: MIDMARK / 027-1303-00 FAUCET: MIDMARK / CFT-6GSELC-1	CORIAN SINK, 14.44" x 12.38" x 6.5", GOOSENECK FAUCET, SENSOR OPERATED, HARD WIRED	1/2	1/2	1-1/2	1-1/2	1

NOTES:

1. PROVIDE P-705 - ASSE 1070 THEMOSTATICALLY CONTROLLED MIXING VALVE AND SET AT 110° FOR DHW TO FIXTURE

WATER HAMMER ARRESTOR SCHEDULE

TYPE	FIXTURE RATING	I.P.S.	ZURN NUMBER	NOTES
WHA-A	1-11	3/4"	1260-A	1, 2
WHA-B	12-32	1"	1260-B	1, 2
WHA-C	33-60	1"	1260-C	1, 2
WHA-D	61-113	1"	1260-D	1, 2
WHA-E	114-154	1"	1260-E	1, 2
WHA-F	155-330	1"	1260-F	1, 2

NOTES:

1. WATER HAMMER ARRESTORS SHALL BE SIZED AND INSTALLED PER THE PLUMBING DRAINAGE INSTITUTE (STANDARD PDI-WH-201) REQUIREMENTS IN ACCESSIBLE LOCATIONS ON THE COLD WATER AND HOT WATER PIPING WHERE FLUSH VALVES AND ANY OTHER QUICK CLOSING VALVES ARE USED.
2. SHALL CONFORM TO ASSE 1010

THERMOSTATIC MIXING VALVE SCHEDULE

TAG	SETPOINT TEMPERATURE	MANUFACTURER / MODEL	NOTES
P-705	110°	WATTS / LFUSG-B	1, 2, 3, 4

NOTES:

1. PROVIDE DIAL THERMOMETER, UNITON AND SHUTOFF VALVES FOR SERVICEABILITY.
2. MAKE WATER CONNECTIONS TO THERMOSTATIC MIXING VALVE(S) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE PIPE INCREASERS AND/OR VALVES AS REQUIRED.
4. MIXING VALVE SHALL CONFORM TO ASSE 1070.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: PLUMBING SCHEDULES

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: MD | DRAWN: MD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: P-401

DWG. 52 OF 65

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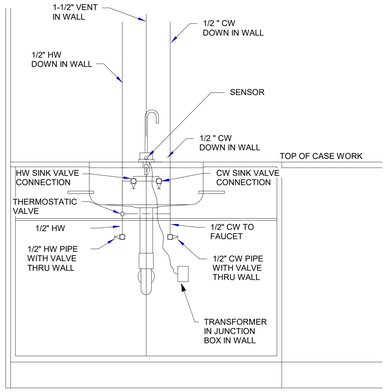
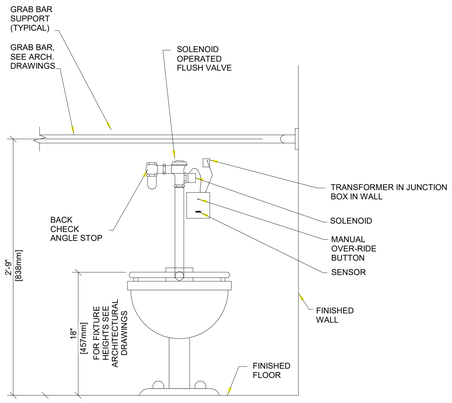
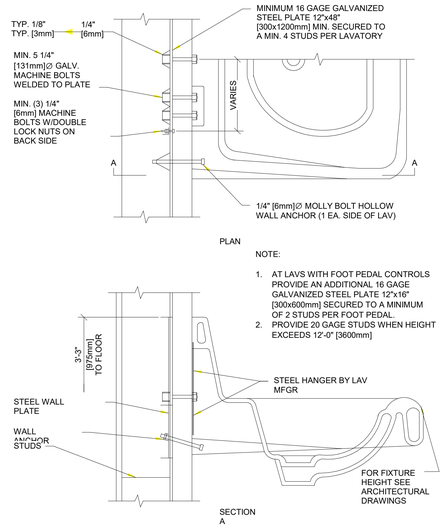
VA FORM 08-6231



1 COUNTER TOP LAVATORY MOUNTING DETAIL
12" = 1'-0"



2 P-112 WATER CLOSET DETAIL - SENSOR OPERATED
1/2" = 1'-0"



NOTE:

1. AT LAVS WITH FOOT PEDAL CONTROLS PROVIDE AN ADDITIONAL 16 GAGE GALVANIZED STEEL PLATE 12"x16" [300x600mm] SECURED TO A MINIMUM OF 2 STUDS PER FOOT PEDAL.
2. PROVIDE 20 GAGE STUDS WHEN HEIGHT EXCEEDS 12'-0" [3600mm]

3 LAVATORY MOUNTING DETAIL
1/2" = 1'-0"

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

CONSULTANTS

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DRAWING TITLE: PLUMBING DETAILS

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM 2615 E CLINTON AVE, FRESNO, CA 93703

DATE: 04/07/2026 | CHECKED: MD | DRAWN: MD

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: P-501

DWG. 53 OF 65

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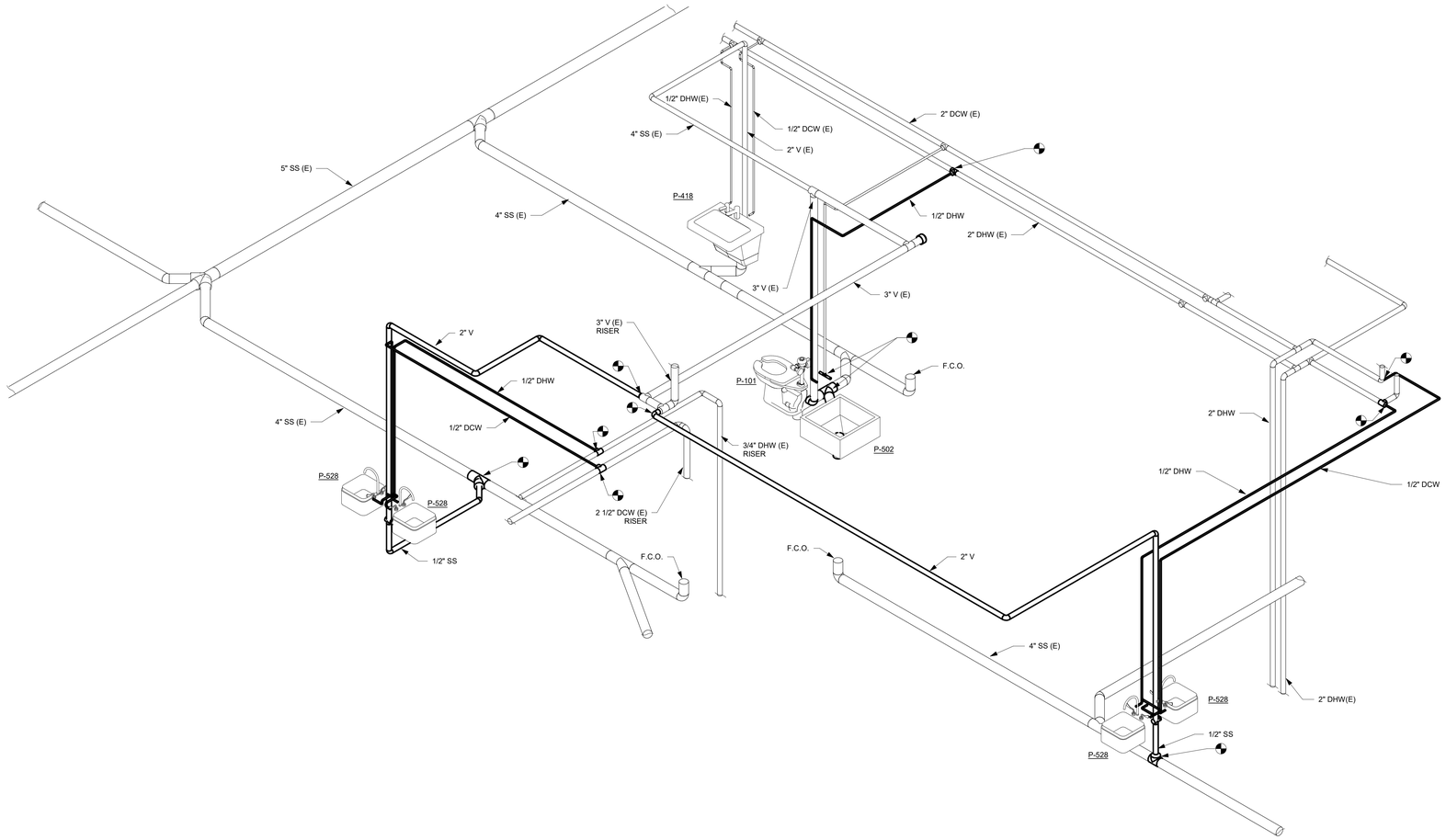
Department of Veterans Affairs

VA FORM 08-6231



1 PLUMBING ISOMETRIC

SHEET NOTES:

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DRAWING TITLE: PLUMBING ISOMETRIC

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DATE: 04/07/2026 | CHECKED: MD | DRAWN: DC

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: P-901

DWG. 54 OF 65

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Department of Veterans Affairs

VA FORM 08-6231

ABBREVIATIONS

1PH	SINGLE-PHASE	FVNR	FULL VOLTAGE NON-REVERSING
1P	SINGLE POLE	FVR	FULL VOLTAGE REVERSING
2/C	TWO-CONDUCTOR	G	ELECTRICAL GROUND
3/C	THREE-CONDUCTOR	GEN	GENERATOR
3PH	THREE-PHASE	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
4/C	FOUR-CONDUCTOR	GFP	GROUND FAULT PROTECTION
4W	FOUR-WIRE	GTB	GENERATOR TAP BOX
A/C UNIT	AIR CONDITIONING UNIT	HID	HIGH INTENSITY DISCHARGE
A/E	ARCHITECT/ENGINEER	HOA	HAND-OFF-AUTOMATIC
AAP	ALARM ANNUNCIATOR PANEL	HP	HORSEPOWER
AC	ALTERNATING CURRENT OR ARMORED CABLE	HT	HEIGHT
ACC	ACCESSIBLE	HZ	HERTZ
ADDL	ADDITIONAL	IESNA	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
ADJ	ADJACENT, ADJOINING	IMC	INTERMEDIATE METAL CONDUIT
AF	AMPERE FRAME OR AMP FUSE	INCAND	INCANDESCENT
AFC	ABOVE FINISHED COUNTER, AUTOMATIC FREQUENCY CONTROL, OR AVAILABLE FAULT CURRENT	IR	INFRARED
		IWH	INSTANTANEOUS WATER HEATER
AFCI	ARC-FAULT CURRENT INTERRUPTER	J-BOX	JUNCTION BOX
		kV	KILOVOLT
AFF	ABOVE FINISHED FLOOR	kVA	KILOVOLT AMPERE
AFG	ABOVE FINISHED GRADE	kVAh	KILOVOLT AMPERE PER HOUR
Ah	AMPERE HOUR	kVAR	KILOVOLT AMPERE REACTIVE
AHJ	AUTHORITY HAVING JURISDICTION	kW	KILOWATT
AIC	AMPERE INTERRUPTING CAPACITY	kWh	KILOWATT HOUR
ALT	ALTERNATE	kWhM	KILOWATT HOUR METER
AMB	AMBIENT	LED	LIGHT EMITTING DIODE
AMP	AMPERE	LF	LINEAR FEET (FOOT)
ASC	AMPS SHORT CIRCUIT	LP	LIGHT POLE
AT	AMPERE TRIP	LPS	LOW PRESSURE SODIUM
ATS	AUTOMATIC TRANSFER SWITCH	LRA	LOCKED ROTOR AMPS
AUTO	AUTOMATIC	LT	LIGHT
AV	AUDIO VISUAL	LTG	LIGHTING
BAT	BATTERY	LTG PNL	LIGHTING PANEL
BD	BOARD	LTNG	LIGHTNING
BFF	BELOW FINISH FLOOR	LV	LOW VOLTAGE
BLDG	BUILDING	MAX	MAXIMUM
BRKR	BREAKER	MC	METAL-CLAD
BYP	BY PASS	MCA	MINIMUM CIRCUIT AMPS
C	CONDUIT	MCB	MAIN CIRCUIT BREAKER
CAB	CABINET	MCC	MOTOR CONTROL CENTER
CALC	CALCULATE	MECH	MECHANICAL
CAP	CAPACITY	MH	MANHOLE
CAT	CATALOG	MIN	MINIMUM
CATV	COMMUNITY ANTENNA	MOCP	MAXIMUM OVERCURRENT PROTECTION
CCR	CONTROL CONTACTOR		
CCTV	CLOSED CIRCUIT TELEVISION	MLO	MAIN LUGS ONLY
cd	CANDELA	MT	MOUNT
CD	CONSTRUCTION DOCUMENTS	MTD	MOUNTED
CF	CONTRACTOR FURNISHED	MTG	MOUNTING
CF/CI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	MTS	MANUAL TRANSFER SWITCH
		MV	MEDIUM VOLTAGE
CF/OI	CONTRACTOR FURNISHED OWNER INSTALLED	MVA	MEGAVOLT-AMPERE
		MW	MEGAWATT
PANEL	CONTRACTOR	NA	NOT APPLICABLE
CFE	CONTRACTOR FURNISHED EQUIPMENT	NC	NORMALLY CLOSED
		NEC	NATIONAL ELECTRICAL CODE
CHW	CHILLED WATER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CHWP	CHILLED WATER PUMP		
CKT	CIRCUIT		
CKT BRKR	CIRCUIT BREAKER OR C/B	NEUT	OR N NEUTRAL
CLF	CURRENT LIMITING FUSE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CLG	CEILING		
COAX	COAX CABLE	NIC	NOT IN CONTRACT
COMM	COMMUNICATION	NL	NIGHT LIGHTION
COMPT	COMPARTMENT	NO	NORMALLY OPEN
CONC	CONCRETE	NTS	NOT TO SCALE
CONT	CONTINUE	OC	ON CENTER
CONTR	CONTRACTOR	OD	OUTSIDE DIAMETER
COORD	COORDINATE	OL	OVERLOAD
CPT	CONTROL POWER TRANSFORMER	P	POLEURNISHED/CONTRACTOR
		PB	PULL BOX
CRI	COLOR RENDERING INDEX	PEC	PHOTOELECTRIC CELL
CT	CURRENT TRANSFORMER	PED	PEDESTAL
CTV	CABLE TELEVISION	PEND	PENDANT
CU	COPPER	PF	POWER FACTOR
CUR	CURRENT	PH	PHASE
dB	DECIBEL	PNL	PANEL
DC	DIRECT CURRENT	PT	POTENTIAL TRANSFORMER
DCP	DIMMER CONTROL PANEL	PVC	POLYVINYL CHLORIDE (PLASTIC)
DEG C	DEGREES CELSIUS	PWR	POWER
DEG F	DEGREES FAHRENHEIT	RCP	REFLECTED CEILING PLAN
DEMO	DEMOLITION	REC	RECESSED
DIAG	DIAGRAM	RECPT	RECEPTACLE
DISC	DISCONNECT	RM	ROOM
DISTR PNL	DISTRIBUTION PANEL	RMS	ROOT MEAN SQUARE
DMR SW	DIMMER SWITCH	REQD	REQUIRED
DPDT	DOUBLE POLE, DOUBLE THROW	SCC	SHORT CIRCUIT CAPACITY
DPST	DOUBLE POLE, SINGLE THROW	SD	SMOKE DETECTOR
DRSW	DOOR SWITCH	SF	SQUARE FOOT (FEET)
DS	DISCONNECT SWITCH	SHT	SHEET
DWG	DRAWING	SI	INTERNATIONAL SYSTEM OF
EL	ELEVATION	SPEC	SPECIFICATION
ELEC	ELECTRIC OR ELECTRICAL	SPST	SINGLE POLE, SINGLE THROW
ELEV	ELEVATOR	SURF	SURFACE
EMER	EMERGENCY	SW	SWITCH
EMI	ELECTROMAGNETIC INTERFERENCE	SWBD	SWITCHBOARD
		SWGR	SWITCHGEAR
EMT	ELECTRICAL METALLIC TUBING	TEL	TELEPHONE
ENCL	ENCLOSURE	TV	TELEVISION
EPO	EMERGENCY POWER OFF	TYP	TYPICAL
EPRF	EXPLOSION PROOF	UFD	UNDERFLOOR DUCT
ESMT	EASEMENT	UGND	UNDERGROUND
EWC	ELECTRIC WATER COOLER	UL	UNDERWRITERS LABORATORY
EWH	ELECTRIC WATER HEATER	UON	UNLESS OTHERWISE NOTED
EXIST	OR EXISTING	UPS	UNINTERRUPTIBLE POWER
FA	FIRE ALARM	UTIL	UTILITY
FAAP	FIRE ALARM ANNUNCIATOR PANEL	V	VOLT
		VA	VOLT AMPERE
FACP	FIRE ALARM CONTROL PANEL	VAR	VOLT AMPERE REACTIVE
FC	FOOTCANDLE	VFD	VARIABLE FREQUENCY DRIVE
FIXT	FIXTURE	VOLT	VOLTAGE
FLA	FULL LOAD AMPS	W	WATT
FLUOR	FLUORESCENT	WH	WATER HEATER
FP	FIRE PROTECTION	WP	WEATHERPROOF
FT	FEET OR FOOT	XFER	TRANSFER
FU SW	FUSED SWITCH	XFMR	TRANSFORMER

ELECTRICAL SYMBOLS - DIAGRAM

- DELTA CONNECTION
- MOTOR, SINGLE-PHASE
- MOTOR, THREE-PHASE
- TRANSFORMER
- WYE CONNECTION
- DUCT, CELL FLOOR HEADER
- DUCT, TROLLEY
- EARTH GROUND
- JUNCTION BOX
- PB — PULL BOX
- DUCT, UNDERFLOOR JUNCTION BOX
- SWITCH, MULTIPOSITION
- SWITCH, SINGLE BREAK
- NORMALLY CLOSED RELAY CONTACT
- NORMALLY OPEN RELAY CONTACT
- HV DRAWOUT FUSE
- LV FUSE WITH RATING
- LV FUSE DISCONNECT
- CIRCUIT BREAKER
- DRAWOUT AIR CIRCUIT BREAKER
- PM — POWER METER
- L E N — AUTOMATIC TRANSFER SWITCH
- TK — TURN KEY
- VFD — VARIABLE FREQUENCY DRIVE W/ DISCONNECT
- DISCONNECT SWITCH, FUSED
- DISCONNECT SWITCH, UNFUSED
- STARTER, COMBINATION WITH DISCONNECT SWITCH
- STARTER OR MOTOR CONTROLLER
- BATTERY
- CAPACITOR
- METER BOXED
- METER LEFT
- METER RIGHT
- METER
- AMMETER
- VOLTMETER
- WATTMETER
- WATT-HOUR METER
- GENERATOR, POWER
- NOTE: OPEN TO ADD 2 LETTERS OF TEXT
- REVISION DELTAS
- # — SHEET NOTES
- #-#-#-# — FAULT CURRENT TAG
- (E) OR BLANK #-#-#-# — SCHEDULE TAG
- #-#-#-# — CONDUIT AND WIRE TAG
- CONDUIT CAP
- CONTINUATION

ELECTRICAL SYMBOLS - POWER PLAN

- MOTOR, SINGLE-PHASE
- MOTOR, THREE-PHASE
- TRANSFORMER, PLAN
- WYE CONNECTION
- DUCT, CELL FLOOR HEADER
- DUCT, TROLLEY
- DUCT, UNDERFLOOR JUNCTION BOX
- EARTH GROUND
- JUNCTION BOX
- LADDER CABLE TRAY
- BRANCH CIRCUIT HOMERUN. LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND SWITCH LEG CONDUCTORS. ONE SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN
- PULL BOX
- WIREWAY
- SUBSTATION
- HI VOLTAGE SWITCH ON CONCRETE PAD
- LOW VOLTAGE SWITCH ON CONCRETE PAD
- BUSWAY
- PUSH BUTTON
- DISTRIBUTION PANEL
- PANELBOARD, FLUSH MOUNTED
- PANELBOARD, SURFACE MOUNTED
- RECEPTACLE, CLOCK HANGER
- RECEPTACLE, DUPLEX
- RECEPTACLE, DUPLEX ON EMERGENCY POWER
- RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER
- RECEPTACLE, QUADRAPLEX
- RECEPTACLE, SINGLE
- RECEPTACLE, SINGLE WITH SWITCH
- RECEPTACLE, SPECIAL PURPOSE
  A = 120V, 20A, 1 PHASE, 2-POLE, 3W, NEMA 5-20R.
  B = 208V, 20A, 1 PHASE, 2-POLE, 3W, NEMA 6-20R.
  C = 120V, 30A, 1 PHASE, 2-POLE, 3W, NEMA 5-30R.
  D = 208V, 30A, 1 PHASE, 2-POLE, 3W, NEMA 6-30R.
  E = 208V, 60A, 1 PHASE, 3-POLE, 4W, NEMA 14-60R.
  F = 208V, 30A, 3 PHASE, 3-POLE 4W, NEMA 15-30R.
  G = 208V, 50A, 3 PHASE, 4-POLE, 4W, NEMA 15-30R.
  H = 208V, 60A, 3 PHASE, 3 POLE, 4W, NEMA 15-60R.
- HOSPITAL GRADE RECEPTACLE
- DROP CORD, SINGLE CONVENIENCE OUTLET, 3-WIRE, GROUNDING TYPE, 20A, W/#12 CONDUCTORS IN FLEXIBLE CORD (CENTER LINE OF OUTLET: 6'-6" [1981mm] AFF, MINIMUM).
- ELECTRICAL STRIP MOLD (OUTLETS ON 2'-0" [610mm] CENTERS OR AS DESIGNATED ON DRAWINGS), MTD 3'-6" [1067mm] AFF OR AS INDICATED.
- DISCONNECT SWITCH, FUSED
- DISCONNECT SWITCH, UNFUSED
- STARTER, COMBINATION WITH DISCONNECT SWITCH
- STARTER OR MOTOR CONTROLLER
- SWITCH
  F = FUSED SWITCH — K = KEY OPERATED
  L = LOCK — LM= LOW VOLTAGE MASTER
  M = MANUAL MOTOR STARTING — MC= MOMENTARY CONTACT
  MP= MOTOR SNAP WITH PILOT LIGHT (THERMAL TYPE) — P = WITH PILOT LIGHT
  PB= PUSH BUTTON STATION — RC= REMOTE CONTROL
  WP= WEATHER PROOF — X = EXPLOSION PROOF
- REVISION DELTAS
- # — KEY NOTE
- #-#-#-# — FAULT CURRENT TAG
- (E) OR BLANK #-#-#-# — SCHEDULE TAG
- #-#-#-# — CONDUIT AND WIRE TAG

ELECTRICAL SYMBOLS - LIGHTING PLAN

- M — OCCUPANCY SENSOR CEILING MOUNTED
- $ — SWITCH (# SUBSCRIPT AS INDICATED BELOW):
  BLANK = SINGLE POLE — 2 = DOUBLE POLE
  3 = THREE-WAY — 4 = FOUR-WAY
  D = DIMMER — K = KEY OPERATED
  LV= LOW VOLTAGE — P = WITH PILOT LIGHT
  LM= LOW VOLTAGE MASTER — RC= REMOTE CONTROL
  PB= PUSH BUTTON STATION — WP= WEATHER PROOF
  T = TIMER OPERATED — Mo= OCCUPANCY SENSOR
- RECESSED DOWNLIGHT FIXTURE, LETTER INDICATES TYPE.
- LIGHT FIXTURE, RECESSED, 610x1220mm (2'x4'); LETTER INDICATES TYPE.
- LIGHT FIXTURE, RECESSED, 305x1220mm (1'x4'); LETTER INDICATES TYPE.
- LIGHT FIXTURE, RECESSED, 305x2439mm (1'x8'); LETTER INDICATES TYPE.
- LIGHT FIXTURE, SURFACE MOUNTED, 610x1220mm (2'x4'); LETTER INDICATES TYPE.
- LIGHT FIXTURE, SURFACE MOUNTED, 305x1220mm (1'x4'); LETTER INDICATES TYPE.
- LIGHT FIXTURE, SURFACE MOUNTED, 305x2439mm (1'x8'); LETTER INDICATES TYPE.
- LIGHT FIXTURE, EMERGENCY; LETTER INDICATES TYPE.
- LIGHT FIXTURE, RECESSED, 610x610mm (2'x2'); LETTER INDICATES TYPE.
- LIGHT FIXTURE, SURFACE MOUNTED, 2'x2' [610x610mm]; LETTER INDICATES TYPE.
- LIGHT TRACK WITH HEADS AS SHOWN
- LIGHT FIXTURE, STRIP; LETTER INDICATES TYPE.
- LIGHT FIXTURE, WALL MOUNTED
- LIGHTING, ONE HEAD EMERGENCY BATTERY POWER
- LIGHTING, TWO HEAD EMERGENCY BATTERY POWER
- LIGHTING, THREE HEAD EMERGENCY BATTERY POWER
- STREET LIGHT WITH BRACKET
- LIGHT POLE, ONE LUMINAIRE
- LIGHT POLE, TWO LUMINAIRES
- LIGHT POLE, POST TOP MOUNT LUMINAIRE
- LIGHTING WALL PACK, EXTERIOR BUILDING
- EXIT SIGN, WALL MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN
- EXIT SIGN, CEILING MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN
- LIGHT FIXTURE, BOLLARD
- REVISION DELTAS
- # — SHEET NOTES
- (E) OR BLANK #### — SCHEDULE TAG

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ALL INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
2. ALL ITEMS INDICATED AS BEING DEMOLISHED OR REMOVED SHALL BE DISPOSED OF OFF-SITE.
3. ALL SHUT DOWNS OF EXISTING SYSTEMS SHALL BE SCHEDULED AND APPROVED BY THE COR PRIOR TO COMMENCEMENT OF SAID WORK.
4. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ALL DIRT AND DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT.
5. USE OF THE OWNER'S ELEVATORS AND BUILDING CORRIDORS FOR THE HANDLING OF NEW AND/OR REMOVED EQUIPMENT AND MATERIALS SHALL BE AT THE DIRECTION OF THE COR AND SHALL BE COORDINATED WITH HIS OPERATIONS.
6. EXCEPT WHERE INDICATED AS BEING RELOCATED, EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS.
7. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
8. USE OF OWNER'S UTILITIES (I.E. ELECTRICITY, WATER, HVAC, ETC.) FOR WORK INDICATED ON THESE DOCUMENTS SHALL BE APPROVED BY THE COR PRIOR TO COMMENCEMENT OF SAID WORK.
9. ALL SUSPENDED PIPING, DUCTWORK, CONDUIT AND CABLE TRAYS SHALL BE PROVIDED WITH, SEISMIC SWAY BRACES IN ACCORDANCE WITH THE MASON INDUSTRIES SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED PIPING, DUCTWORK AND ELECTRICAL SYSTEMS AND THE APPLICABLE CODES. INSTALLED SYSTEM SHALL MATCH EXISTING, RIGID OR CABLE TYPE.
10. NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT ABBREVIATIONS INDICATED APPEAR ON THESE CONTRACT DRAWINGS
11. ALL FINAL LOCATIONS AND ARRANGEMENTS OF LIGHTING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN.
12. LIGHTING FIXTURES WITH MORE THAN TWO LAMPS SHALL HAVE TWO OUTER LAMPS CONTROLLED WITH ONE SWITCH AND INNER LAMP(S) CONTROLLED BY A SECOND SWITCH.
13. EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT HOMERUN SHALL HAVE A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
14. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
15. NO ELECTRICAL EQUIPMENT SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE COR AND/OR ENGINEER TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE SHALL BE GIVEN TO THE OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME. SHUTDOWNS TO OCCUR OFF HOURS. METHOD OF PROCEDURES TO BE SENT A MONTH IN ADVANCE; 2 WEEKS TO APPROVE MOP AND 2 WEEKS FOR ADVANCE NOTIFICATION.

GENERAL DEMOLITION NOTES

1. SCHEDULE ALL SHUTDOWNS THAT AFFECT UTILITIES AND PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION WITH THE COR.
2. DEMOLITION WORK AT ALL TIMES SHALL BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE COR AND CARRIED OUT IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE NORMAL OPERATION OF THE BUILDING.
3. DISPOSE OF ALL REMOVED MATERIALS IN AN APPROVED MANNER.
4. FOR EXISTING EQUIPMENT, SUCH AS LIGHTING FIXTURES, WIRING DEVICES, CONDUITS, ETC., SHOWN ON PLANS TO BE REMOVED, COMPLETELY CUT/CAP CONDUITS AT THE AREA OF WORK PERIMETER AND REMOVE CONDUIT WITHIN THE WORK AREA, DISCONNECT WIRING AT THE OVERCURRENT PROTECTIVE DEVICE AND REMOVE WIRING COMPLETELY FROM THE ABANDONED CONDUITS.
5. DISCONNECT ALL ABANDONED WIRING OF ALL TYPES AT THE OVERCURRENT PROTECTIVE DEVICE. COMPLETELY REMOVE ALL ABANDONED WIRING.
6. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.
7. COORDINATE WITH COR ON REMOVAL AND PLACEMENT OF EQUIPMENT NOTED TO BE TURNED OVER TO COR. FOR EQUIPMENT NOT DESIRED BY COR, CONTRACTOR SHALL REMOVE OFF SITE IN AN APPROVED MANNER.

ALL ITEMS SHOWN AS THIN LINEWORK ARE EXISTING. ALL ITEMS SHOWN AS BOLD LINEWORK ARE NEW.

ALL ITEMS SHOWN WITH DIAGONAL HATCHING ARE TO BE DEMOLISHED. RE-USE EXISTING CONDUIT WHERE POSSIBLE.

SCOPE OF WORK

DESIGN AND INSTALLATION OF ALL ELECTRICAL SYSTEMS REQUIRED TO SUPPORT THE NEW RESPIRATORY CARE CLINIC WITHIN THE EXISTING HOSPITAL.

ELECTRICAL SHEET LIST

Sheet Number	Sheet Name
E-001	ELECTRICAL COVER SHEET
ED-101	FIRST FLOOR ELECTRICAL DEMO PLAN
EL-101	FIRST FLOOR NEW LIGHTING PLAN
EP-101	FIRST FLOOR POWER PLAN
EP-102	OPC ROOF POWER PLAN
ET-101	FIRST FLOOR NEW SPECIAL SYSTEMS
E-501	ELECTRICAL DETAILS
E-601	SINGLE LINE DIAGRAM
E-701	ELECTRICAL SCHEDULES

TECHNOLOGY SYMBOLS

- # / # — PHYSICAL ACCESS CONTROL SYSTEM CARD READER
- VSCM — VIDEO SURVEILLANCE CAMERA WITH ROUND LENS CEILING MOUNTED
- WALL TELECOMMUNICATIONS DATA OUTLET DATA/VOICE

EQUIP. ABBREVIATIONS

AAHX	AIR TO AIR HEAT EXCHANGER	CUH	CABINET UNIT HEATER	HRC	HEAT RECOVERY COIL	RF	RETURN FAN
ACC	AIR COOLED CONDENSER	CWCC	CHILLED WATER COOLING COIL	HRD	HEAT RECOVERY DEVICE	RHC	REHEAT COIL
ACCH	AIR COOLED CHILLER	CWP	CONDENSER WATER PUMP	HRP	HYDRONIC RADIANT (CEILING)	SAD	SOUND ATTENUATING DEVICE
ACCU	AIR COOLED CONDENSING UNIT	DXCC	DIRECT EXPANSION COOLING COIL	HRW	HEAT RECOVERY WHEEL	SF	SUPPLY FAN
ACU	AIR CONDITIONING UNIT	EC	EVAPORATIVE COOLER	HUM	HUMIDIFIER UNIT MOUNTED	SH	STEAM HUMIDIFIER
AF	AFTER FILTER	ECU	EVAPORATIVE CONDENSER UNIT	HVU	HEATING AND VENTILATING UNIT	SHC	STEAM HEATING COIL
AHU	AIR-HANDLING UNIT	EDH	ELECTRIC DUCT HEATER	HWC	HOT WATER COIL	SSHX	STEAM TO STEAM HEAT EXCHANGER
AS	AIR SEPARATOR	EF	EXHAUST FAN	HWHC	HOT WATER HEATING COIL		
B	BOILER	EH	EXHAUST HOOD	HWP	HEATING HOT WATER PUMP	ST	STEAM TRAP
BDR	BASE BOARD RADIATOR	ERC	ELECTRIC REHEAT COIL	HWUH	HOT WATER UNIT HEATER	SUH	STEAM UNIT HEATER
BHW	HOT WATER HEATING BOILER	ERP	ELECTRIC RADIANT PANEL	HX	HEAT EXCHANGER	SWHX	STEAM TO WATER HEAT EXCHANGER
BHX	BOILER BLOWDOWN HEAT EXCHANGER	ET	EXPANSION TANK	ICF	IN-LINE CENTRIFUGAL FAN		
		EUH	ELECTRIC UNIT HEATER	IU	INDUCTION UNIT	TU	TERMINAL UNIT
BT	BLOWOFF TANK	EWC	EVAPORATIVE WATER COOLER	LLHX	LIQUID TO LIQUID HEAT EXCHANGER	UC	UNIT COOLER
CC	COOLING COIL	FCU	FAN COIL UNIT (4 PIPE)			UH	UNIT HEATER
CCD	COOLING COIL CONDENSATE DRAIN	FCUC	FAN COIL UNIT COOLING ONLY	MAU	MAKE-UP AIR UNIT	VUH	VERTICAL UNIT HEATER
		FCUH	FAN COIL UNIT HEATING ONLY	P	PUMP	WCCH	WATER COOLED CHILLER
CFP	CHEMICAL FEED PUMP	FHX	FLUE GAS/FEEDWATER HEAT EXCHANGER	PF	PRE-FILTER	WCCU	WATER COOLED CONDENSING UNIT
CH	CHILLER			PHC	PREHEAT COIL		
CHP	CHILLED WATER PUMP	FPTU	FAN POWERED TERMINAL UNIT	PTAC	PACKAGED TERMINAL AIR CONDITIONER	WCHP	WATER COOLED HEAT PUMPS
COMP	COMPRESSOR UNIT	FTR	FIN TUBE RADIATION			WCPU	WATER COOLED PACKAGED UNIT
CP	CONDENSATE PUMP	H	HUMIDIFER	RAHX	ROTARY AIR HEAT EXCHANGER	WEF	WALL EXHAUST FAN
CS	CONDENSATE STORAGE TANK	HC	HEATING COIL	RCCH	REMOTE CONDENSER CHILLER	WF	WATER FILTER
CSG	CLEAN STEAM GENERATOR	HD	HOOD				
CT	COOLING TOWER	HP	HEAT PUMP	RCU	RECIPROCATING CHILLER UNIT		
CU	CONDENSING UNIT	HPDT	HIGH PRESSURE DRIP TRAP				

DRAWING SYMBOLS

- X / M-XXX — DETAIL NUMBER / DRAWING NUMBER
- X / M-XXX — SECTION LETTER / DRAWING NUMBER
- SAN — RISER SYSTEM
- RISER NUMBER
- # — ENLARGED ELEVATION SYSTEM

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: ELECTRICAL COVER SHEET

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA Central California Health Care System, 2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026 | CHECKED: JL | DRAWN: RP

PROJECT NUMBER: 570-23-223

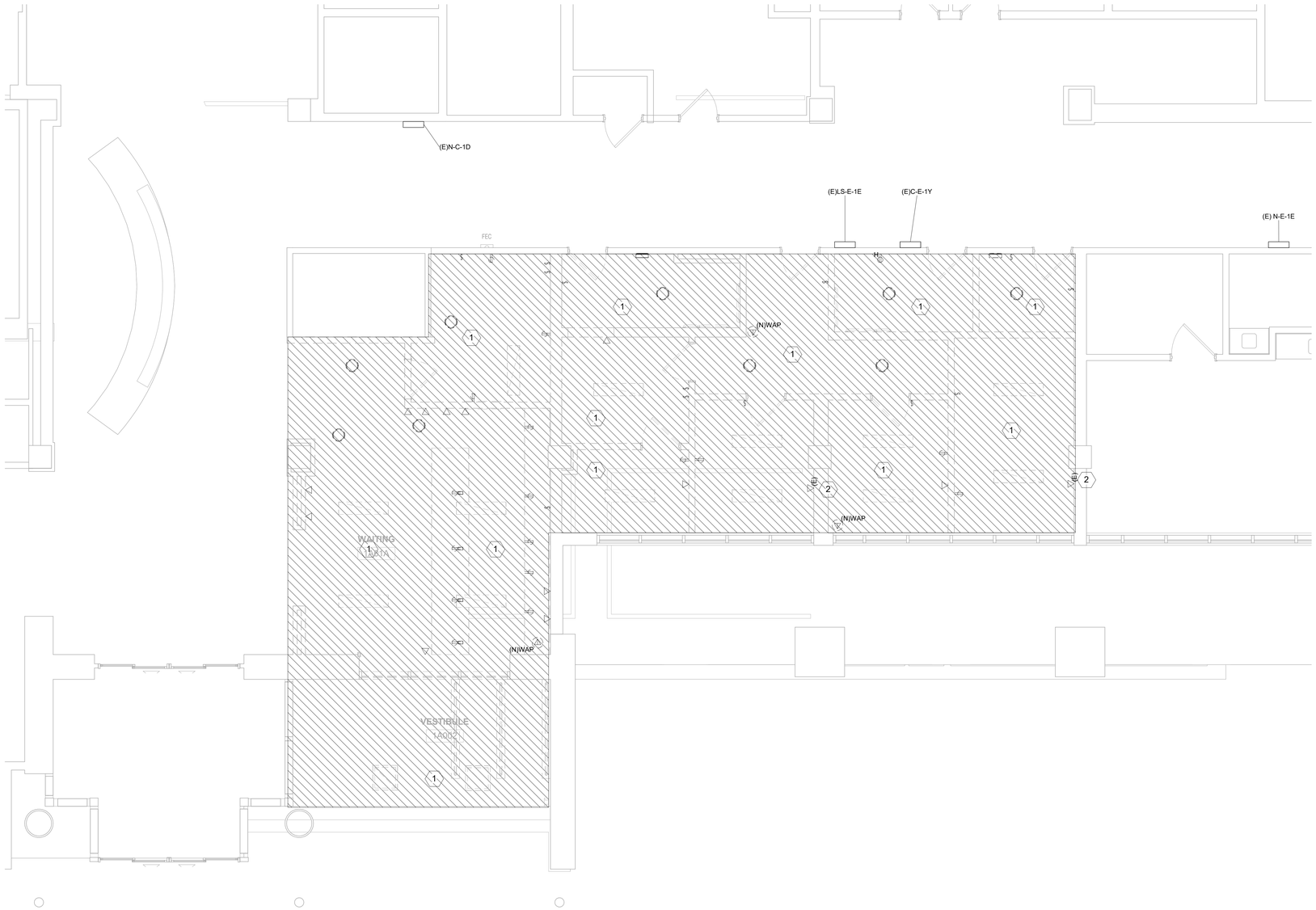
BUILDING NUMBER: 1

DRAWING NUMBER: E-001

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 FIRST FLOOR ELECTRICAL DEMO PLAN
1/4" = 1'-0"

SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY EXISTING PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE INSTALLATION ROUTING WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT, DUCTWORK AND PIPING WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS AND SHALL PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
3. EXISTING CONDITIONS ARE BASED ON EXISTING PLANS AND FIELD VERIFICATIONWHERE FEASIBLE. CONSTRUCTION AREA CONDITIONS MAY DIFFER FROM THOSE INDICATED.
4. MINIMUM BRANCH CIRCUIT SIZE SHALL BE 2#12, 1#12G., 3/4"C.
5. ALL EQUIPMENT SERVING AS DISCONNECTING MEANS TO MECHANICAL UNITS SHALL COMPLY WITH N.E.C.110.26.
6. COORDINATE FINAL EQUIPMENT CONNECTIONS AT EQUIPMENT WITH EQUIPMENT SUPPLIER, PRIOR TO ROUGH-IN.
7. LABEL DEVICE PLATES WITH A PERMANENT ADHESIVE LABEL LISTING PANEL AND CIRCUIT FEEDING THE WIRING DEVICE.
8. UPDATE PANEL SCHEDULES AFFECTED BY RENOVATION.
9. NEW CIRCUIT BREAKERS PROVIDED SHALL MATCH THE EXISTING TYPE OF CIRCUIT BREAKERS IN PANEL BEING RENOVATED.
10. CONTRACTOR SHALL COMPLY WITH LATEST VERSION OF NEC.
11. LOCATE DISCONNECT SWITCHES TO MAINTAIN WORKING CLEARANCES PER NEC 110.26.
12. FOR EXISTING EQUIPMENT, SUCH AS WIRING DEVICES, CONDUITS, ETC., SHOWN ON PLANS TO BE REMOVED, COMPLETELY CUT/CAP CONDUITS AT THE AREA OF WORK PERIMETER AND REMOVE CONDUIT WITHIN THE WORK AREA, DISCONNECT WIRING AT THE OVERCURRENT PROTECTIVE DEVICE AND REMOVE WIRING COMPLETELY FROM THE ABANDONED CONDUITS BACK TO JUNCTION BOX OR PANEL
13. DISCONNECT ALL ABANDONED WIRING OF ALL TYPES AT THE OVERCURRENT PROTECTIVE DEVICE. COMPLETELY REMOVE ALL ABANDONED WIRING.
14. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.

KEY NOTES:

1. EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED.
2. EXISTING TELECOMMUNICATIONS OUTLET AND ASSOCIATED CONDUIT/CABLING SHALL BE PROTECTED IN PLACE DURING DEMOLITION AND ONGOING CONSTRUCTION FOR FUTURE USE.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: FIRST FLOOR ELECTRICAL DEMO PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA Central California Health Care System
2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026 | CHECKED: JL | DRAWN: RP

PROJECT NUMBER: 570-23-223

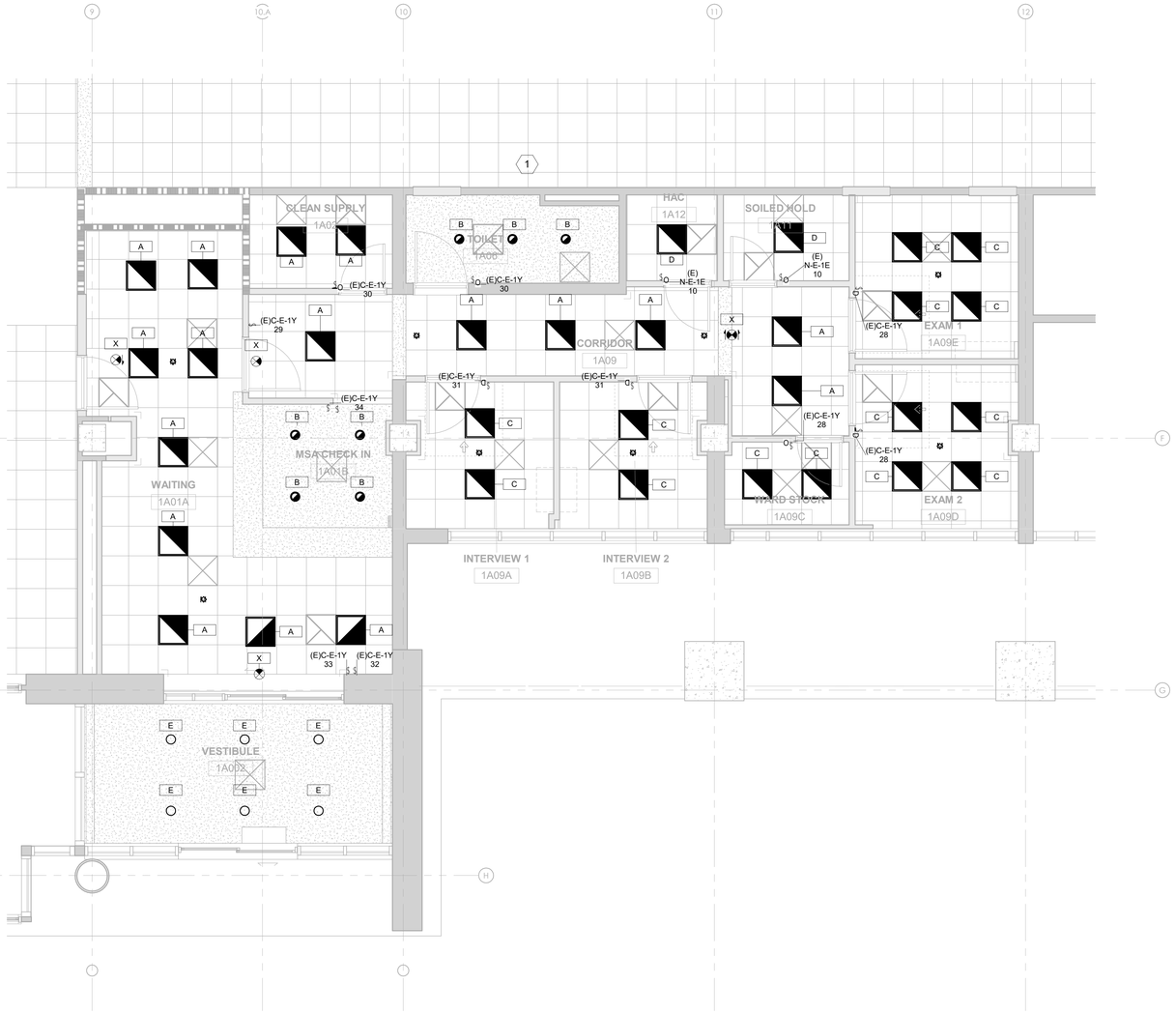
BUILDING NUMBER: 1

DRAWING NUMBER: ED-101

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 FIRST FLOOR LIGHTING PLAN
1/4" = 1'-0"

LIGHTING, SWITCHING AND SENSOR SEQUENCE OF OPERATION

VESTIBULE 1A002

SWITCH TYPE: LINE-VOLTAGE SINGLE-POLE WALL SWITCH (STANDARD SWITCH, NO SENSOR).

CONTROL FEATURES: MANUAL ON/OFF CONTROL ONLY. NO OCCUPANCY SENSING OR DIMMING FEATURES.

CONTROL LOCATION: WALL – STANDARD WALL SWITCH LOCATION AT THE ENTRANCE .

LIGHTING LOADS CONTROLLED: ALL LIGHTING CIRCUITS IN THE ROOM ARE SWITCHED ON OR OFF BY THIS WALL SWITCH.

WAITING 1A01A, CORRIDOR 1A09, MSA CHECK IN

SWITCH TYPE: WALL-MOUNTED SWITCH WITH INTEGRATED DUAL-TECHNOLOGY OCCUPANCY SENSOR, SUPPLEMENTED BY CEILING-MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSORS.

CONTROL FEATURES: MANUAL ON/OFF VIA THE WALL SWITCH. AUTOMATIC SHUTOFF VIA SENSORS. NO DIMMING.
CONTROL LOCATION: WALL (PRIMARY SWITCH) AND CEILING (ADDITIONAL SENSOR UNIT).

LIGHTING LOADS CONTROLLED: ALL FIXTURES IN THE ROOM ARE CONTROLLED BY THE COMBINED SENSOR SYSTEM.

CLEAN SUPPLY 1A02, SOILED HOLDING 1A11, TOILET 1A06, WARD STOCK 1A09C

SWITCH TYPE: WALL-MOUNTED SWITCH WITH INTEGRATED DUAL-TECHNOLOGY OCCUPANCY SENSOR.

CONTROL FEATURES: MANUAL ON/OFF VIA THE WALL SWITCH. AUTOMATIC SHUTOFF VIA SENSORS. NO DIMMING.
CONTROL LOCATION: WALL (PRIMARY SWITCH)

LIGHTING LOADS CONTROLLED: ALL FIXTURES IN THE ROOM ARE CONTROLLED BY THE COMBINED SENSOR SYSTEM.

INTERVIEW 1 1A09A, INTERVIEW 2 1A09B, EXAM 1 1A09E, EXAM 2 1A09D

SWITCH TYPE: WALL-MOUNTED DIMMER SWITCHES WITH MANUAL CONTROL, AND CEILING-MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR.

CONTROL FEATURES: MANUAL ON/OFF AND DIMMING. AUTOMATIC CONTROL VIA CEILING SENSOR.

CONTROL LOCATION: WALL (DIMMER SWITCHES) AND CEILING (OCCUPANCY SENSOR).

LIGHTING LOADS CONTROLLED: ALL LIGHTING IN THE ROOM, WITH ZONING IF APPLICABLE.

GENERAL NOTES

ALL OCCUPANCY SENSORS ARE DUAL-TECHNOLOGY, TYPICALLY UTILIZING BOTH PASSIVE INFRARED AND ULTRASONIC SENSING FOR RELIABLE DETECTION.

ALL WALL-MOUNTED SWITCHES (WITH OR WITHOUT SENSORS) SHALL BE INSTALLED AT STANDARD HEIGHT AS SHOWN ON DRAWINGS.

ALL DIMMER SWITCHES SHALL BE COMPATIBLE WITH THE LIGHT FIXTURE TYPES INSTALLED (E.G., 0-10V DIMMING OR PHASE DIMMING AS REQUIRED).

SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY EXISTING PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE INSTALLATION ROUTING WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT, DUCTWORK AND PIPING WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS AND SHALL PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
3. EXISTING CONDITIONS ARE BASED ON EXISTING PLANS AND FIELD VERIFICATIONWHERE FEASIBLE. CONSTRUCTION AREA CONDITIONS MAY DIFFER FROM THOSE INDICATED.
4. MINIMUM BRANCH CIRCUIT SIZE SHALL BE 2#12, 1#12G., 3/4"C.
5. CONTRACTOR SHALL COORDINATE FINAL POINT OF CONNECTIONS WITH VA COR PRIOR TO ROUGH-IN.
6. COORDINATE FINAL EQUIPMENT CONNECTIONS AT EQUIPMENT WITH EQUIPMENT SUPPLIER, PRIOR TO ROUGH-IN.
7. LABEL DEVICE PLATES WITH A PERMANENT ADHESIVE LABEL LISTING PANEL AND CIRCUIT FEEDING THE WIRING DEVICE.
8. UPDATE PANEL SCHEDULES AFFECTED BY RENOVATION.
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14. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.
15. ALL EQUIPMENT SERVING AS DISCONNECTING MEANS TO MECHANICAL UNITS SHALL COMPLY WITH N.E.C.110.26.
16. ALL FINAL LOCATIONS AND ARRANGEMENTS OF LIGHTING FIXTURES SHALL BE FROM THE ARCHITECTURAL REFLECTED CEILING PLAN.
17. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF MERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
18. FOR ABANDONED CABLES/ CONDUITS WITHIN THE AREA OF WORK, THE CABLE/ CONDUITS SHALL BE VERIFIED TO BE ABANDONED AND REMOVED.
19. COORDINATE MOUNTING OF JUNCTION BOXES, LOCAL LIGHTING RELAY CONTROLS, AND OTHER ELECTRICAL EQUIPMENT REQUIRING ACCESS WHEN LOCATED ABOVE HARD CEILINGS. WHERE POSSIBLE, LOCATE THESE ITEMS ABOVE LAY-IN CEILINGS. OTHERWISE, CO-LOCATE THESE ITEMS AND PROVIDE ACCESS PANELS IN HARD CEILING. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
20. PROVIDE NEW LIGHTING FIXTURES AT LOCATIONS INDICATED AND CONNECT TO CIRCUIT AND SWITCHING VIA 3/4"C AND #12 WIRING AS REQUIRED FOR SWITCHING CONTROLS. REFER TO PANEL SCHEDULES FOR POWER CONDUCTOR SIZING.
22. SWITCH 'ID' TAGS ARE PROVIDED WHERE NECESSARY TO CONVEY SWITCHING. IN ROOMS WHERE A SWITCH 'ID' IS NOT INDICATED, FIXTURES SHALL BE CONNECTED TO THE SWITCH WITHIN THE ROOM. ROOMS WITH MULTIPLE SWITCHES SHALL BE CONFIGURED AS 3-WAY, 4-WAY, ETC.
23. LIFE SAFETY FIXTURES SHALL BE CONNECTED TO A LIFE SAFETY BRANCH CIRCUIT AHEAD OF LOCAL SWITCHING VIA 3/4"C - 2#12 AND 1#12 EG.
24. CONNECT ALL EXIT SIGNS TO LOCAL LIFE SAFETY CIRCUIT AHEAD OF LOCAL SWITCHING VIA 3/4"C - 2#12 AND 1#12 EG.
25. OCCUPANCY AND VACANCY SENSORS ARE INDICATED FOR REFERENCE ONLY. EXACT QUANTITY OF SENSORS SHALL BE DETERMINED BY THE CONTRACTOR IN COORDINATION WITH LIGHTING CONTROLS VENDOR TO PROVIDE 100% COVERAGE FOR EACH SPACE INDICATED. LAYOUTS SHALL BE PROVIDED WITH LIGHTING CONTROLS SHOP DRAWINGS FOR REVIEW. COORDINATE INSTALLATION LOCATIONS WITH MECHANICAL DIFFUSERS AND DOORWAYS TO AVOID FALSE TRIGGERS.
26. EGRESS ILLUMINATION SHALL BE 1FC AVERAGE WITH A MINIMUM OF 0.1FC IN THE PATH OF EGRESS

KEY NOTES:

1. CONNECT ALL NEW LIGHTING TO EXISTING EMERGENCY LIGHTING CIRCUIT THAT PREVIOUSLY SERVED THESE AREAS.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE:
FIRST FLOOR NEW LIGHTING PLAN

APPROVED:

PROJECT TITLE:
DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

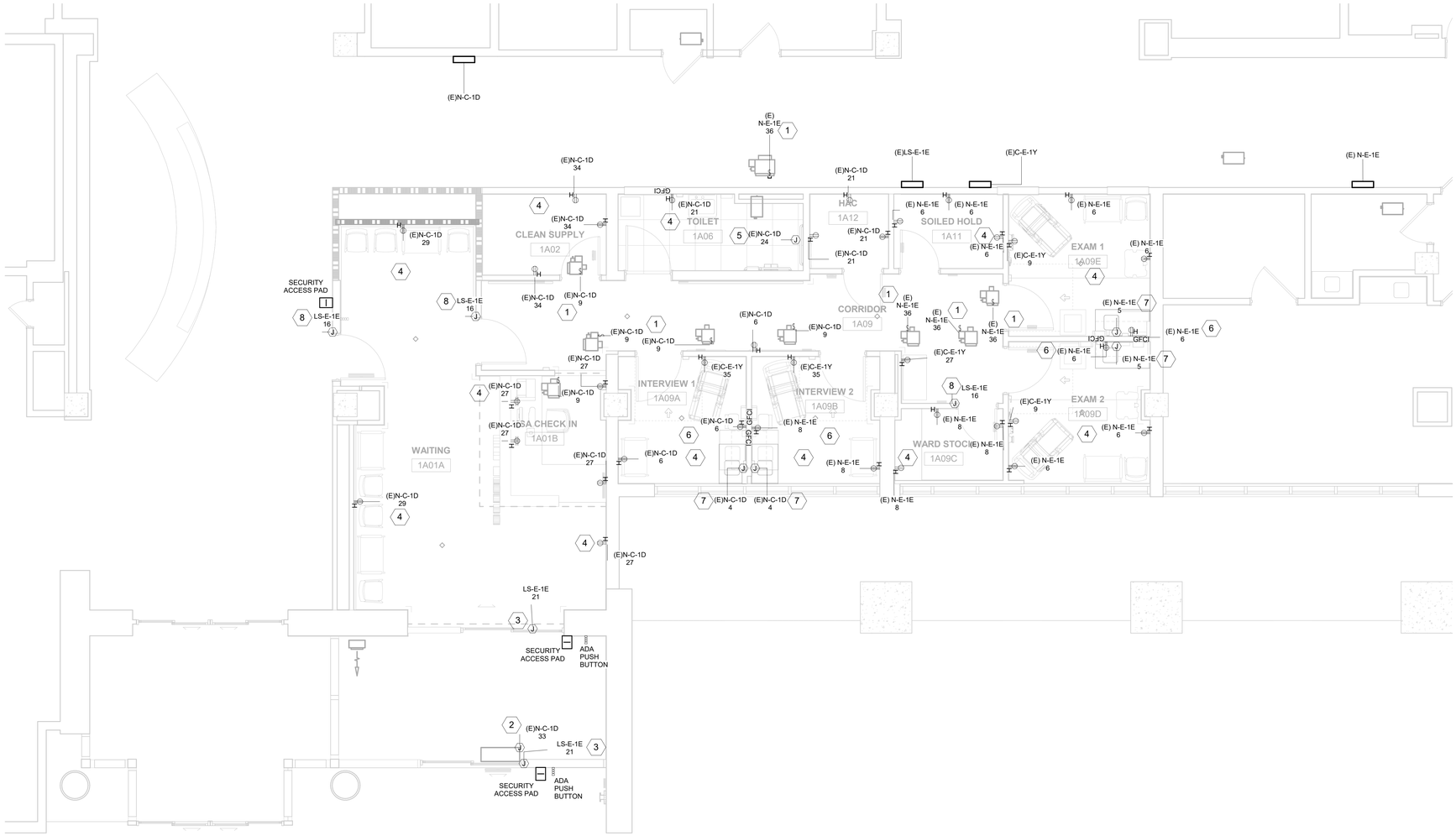
LOCATION: VA Central California Health Care System
2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026
CHECKED: JL
DRAWN: RP

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: EL-101

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231



1 FIRST FLOOR ELECTRICAL NEW PLAN
1/4" = 1'-0"

SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY EXISTING PIPING AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE INSTALLATION ROUTING WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
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3. EXISTING CONDITIONS ARE BASED ON EXISTING PLANS AND FIELD VERIFICATION WHERE FEASIBLE. CONSTRUCTION AREA CONDITIONS MAY DIFFER FROM THOSE INDICATED.
4. MINIMUM BRANCH CIRCUIT SIZE SHALL BE 2#12, 1#12G., 3/4"C.
5. ALL EQUIPMENT SERVING AS DISCONNECTING MEANS TO MECHANICAL UNITS SHALL COMPLY WITH N.E.C.110.26
6. COORDINATE FINAL EQUIPMENT CONNECTIONS AT EQUIPMENT WITH EQUIPMENT SUPPLIER, PRIOR TO ROUGH-IN.
7. LABEL DEVICE PLATES WITH A PERMANENT ADHESIVE LABEL LISTING PANEL AND CIRCUIT FEEDING THE WIRING DEVICE.
8. UPDATE PANEL SCHEDULES AFFECTED BY RENOVATION.
9. NEW CIRCUIT BREAKERS PROVIDED SHALL MATCH THE EXISTING TYPE OF CIRCUIT BREAKERS IN PANEL BEING RENOVATED.
10. CONTRACTOR SHALL COMPLY WITH LATEST VERSION OF NEC.
11. LOCATE DISCONNECT SWITCHES TO MAINTAIN WORKING CLEARANCES PER NEC 110.26.
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KEY NOTES:

1. PROVIDE 120V CIRCUIT INDICATED FOR CONNECTION TO NEW WORK AREA VARIABLE AIR VOLUME BOXES (VAVs). CONNECT CIRCUIT COMPLETE TO VAVs LOW-VOLTAGE TRANSFORMER SUPPLIED WITH EQUIPMENT. PROVIDE LOW-VOLTAGE CONNECTION FROM TRANSFORMER TO EACH VAV BOX. COORDINATE QUANTITY AND LOCATION OF LOW-VOLTAGE TRANSFORMERS AND PROVIDE CIRCUIT AT EACH LOCATION.
2. PROVIDE 120V CIRCUIT INDICATED FOR CONNECTION TO NEW AIR CURTAIN.
3. CONNECT CIRCUIT COMPLETE TO AUTOMATIC DOOR OPERATORS AND ADA PUSH BUTTONS PER MANUFACTURER'S WIRING DIAGRAMS.
4. INSTALL NEW 20A, 120V HOSPITAL GRADE RECEPTACLES AS INDICATED. RECEPTACLES TO BE WIRED FROM EXISTING CIRCUITS SERVING THE AREA OF WORK.
5. PROVIDE 120V POWER CONNECTION TO AUTOMATIC FLUSH VALVE SENSOR. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS WITH PLUMBING DRAWINGS AND MANUFACTURE SPECIFICATIONS. POWER SHALL BE FROM DEDICATED CIRCUIT AND CONNECTED THROUGH MANUFACTURE PROVIDED TRANSFORMER AS REQUIRED.
6. INSTALL RECEPTACLE AT 48" AFF TO CENTER OF BOX. PROVIDE GFCI PROTECTION.
7. PROVIDE 120V POWER CONNECTION TO FAUCET SENSOR. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS WITH PLUMBING DRAWINGS AND MANUFACTURE SPECIFICATIONS. POWER SHALL BE CONNECTED THROUGH MANUFACTURE PROVIDED TRANSFORMER AS REQUIRED.
8. PROVIDE 120V POWER CONNECTION TO PACS SYSTEM. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS WITH MANUFACTURE SPECIFICATIONS.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: FIRST FLOOR POWER PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA Central California Health Care System
2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026 | CHECKED: JL | DRAWN: RP

PROJECT NUMBER: 570-23-223

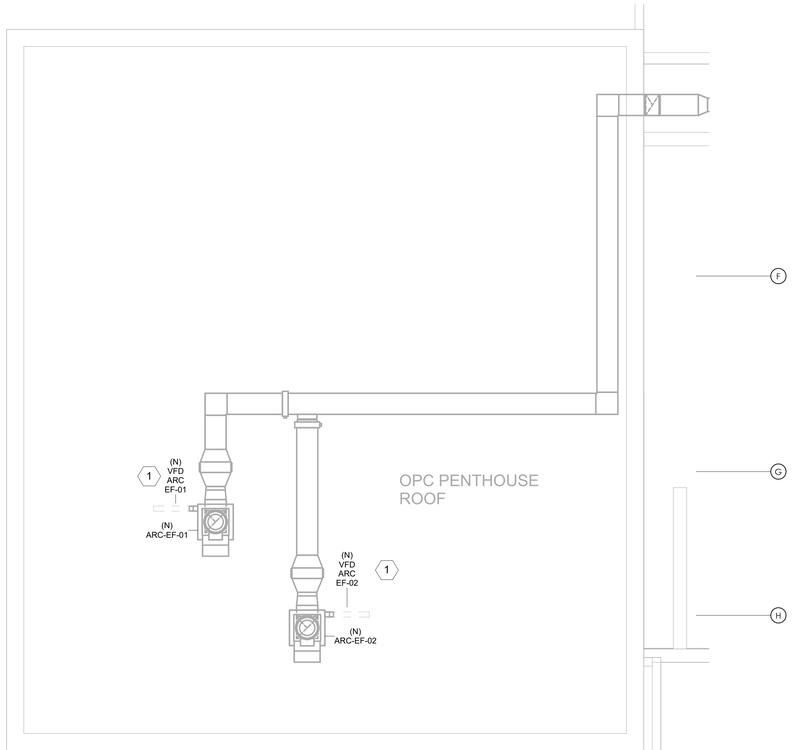
BUILDING NUMBER: 1

DRAWING NUMBER: EP-101

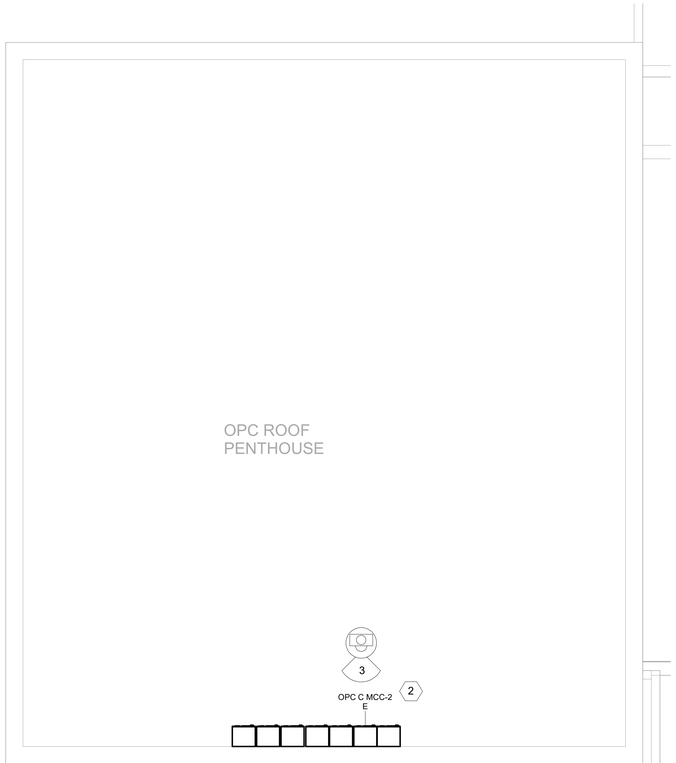
Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 OPC PENTHOUSE ROOF POWER PLAN
3/16" = 1'-0"



2 OPC ROOF PENTHOUSE POWER PLAN
3/16" = 1'-0"

3 PHOTO - OPC MCC-2 E
N.T.S

SHEET NOTES:

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3. EXISTING CONDITIONS ARE BASED ON EXISTING PLANS AND FIELD VERIFICATION WHERE FEASIBLE. CONSTRUCTION AREA CONDITIONS MAY DIFFER FROM THOSE INDICATED.
4. MINIMUM BRANCH CIRCUIT SIZE SHALL BE 2#12, 1#12G., 3/4"C.
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KEY NOTES:

1. PROVIDE VFD WITH FACTORY INSTALLED DISCONNECT IN NEMA 3R ENCLOSURE.
2. INSTALL 2 NEW MODULES WITH NEW 15A,3P, 480V CIRCUIT BREAKERS.
3. SPACE TO BE USED FOR NEW EXHAUST FANS.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

VA FORM 08-6231

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DRAWING TITLE: OPC ROOF POWER PLAN

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA Central California Health Care System
2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026 | CHECKED: JL | DRAWN: RP

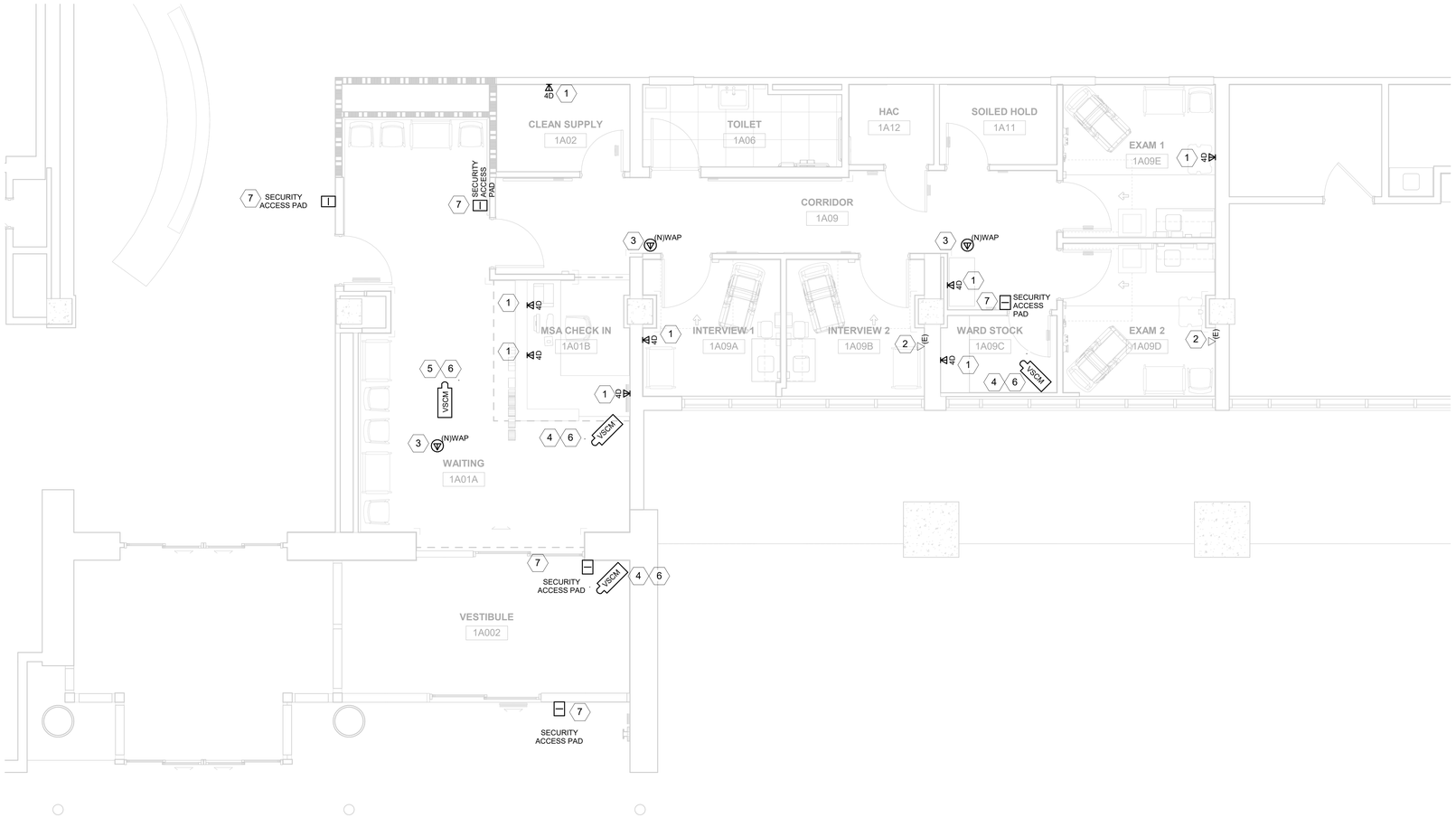
PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: EP-102

Office of Construction and Facilities Management

Department of Veterans Affairs



1 FIRST FLOOR SPECIAL SYSTEMS NEW PLAN
1/4" = 1'-0"

SHEET NOTES:

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17. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF MERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
18. FOR ABANDONED CABLES/ CONDUITS WITHIN THE AREA OF WORK, THE CABLE/ CONDUITS SHALL BE VERIFIED TO BE ABANDONED AND REMOVED.
19. CONSTRUCTION CONTRACTOR TO PROVIDE AND RUN ALL DATA CABLING. CONSTRUCTION CONTRACTOR TO VERIFY IF EHRM SWITCHES HAVE ENOUGH CAPACITY FOR SPS DATA OUTLETS. CONTRACTOR TO PROVIDE AND INSTALL ADDITIONAL DATA SWITCHES AS NECESSARY TO CONNECT ALL SPS SUITE DATA OUTLETS.
20. WIRLESS ACESS POINT SHALL BE PROVIDED BY THE VA. CONTRACTOR SHALL COORDINATE WITH VA AND COORDINATE INSTALLATION LOCATIONS. CONTRACTOR TO PROVIDE AND INSTALL CABLING TO CLOSET AND VA FURNISHED EQUIPMENT AT EACH WAP.

KEY NOTES:

1. INSTALL NEW TELLECOMMUNICATIONS DATA OUTLET. DATA OUTLET TO PROVIDE 4 RJ45 CAT 6A DATA JACK CONNECTION. DATA CABLING SHALL BE CONNECTED TO NEAREST TELECOM ROOM. SEE SHEET E-501 DETAIL 2 FOR FURTHER DETAILS.
2. COORDINATE FINAL USE AND CONNECTION FOR EXISTING TELECOM OUTLET.
3. INSTALL NEW WIRELESS ACCESS POINT. PROVIDE DATA CABLING AND WIRE TO NEAREST TR ROOM. EQUIPMENT TO BE COMPATIBLE WITH EXISTING SYSTEM.
4. INSTALL NEW VSCM CAMERA AS PER VA STANDARDS. CAMERA TO BE IP-BASED. COMPATIBLE WITH EXISTING SYSTEM AND PSRDM REQUIREMENTS. COORDINATE LOCATION WITH VA SECURITY.
5. PROVIDE AND INSTALL CEILING-MOUNTED 3D IP SURVEILLANCE CAMERA COMPATIBLE WITH EXISTING SYSTEM FOR ENHANCED SPATIAL TRACKING AND DEPTH ANALYSIS PER VA PSRDM. COORDINATE PLACEMENT WITH VA SECURITY FOR OPTIMAL COVERAGE.
6. PROVIDE NEW VIDEO AND CONTROL CABLES WIRE VIDEO AND CONTROL CABLES TO EXISTING VIDEO SURVEILLANCE SYSTEM. CCTV SHALL BE INSTALLED TO EXISTING SYSTEM AND COMPATIBLE WITH CURRENT SYSTEM.
7. INSTALL NEW ACCESS CONTROL CARD READER. CARD READER TO BE WIRED TO EXISTING ACCESS CONTROL PANEL.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE:
FIRST FLOOR NEW SPECIAL SYSTEMS

APPROVED:

PROJECT TITLE:
DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

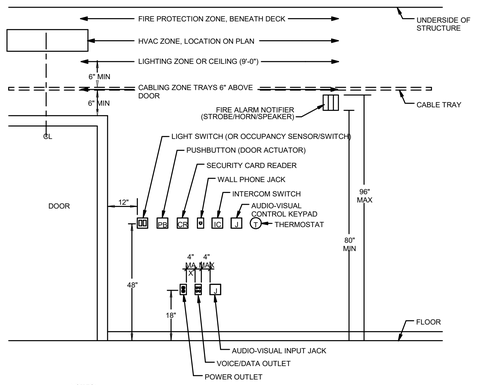
LOCATION: VA Central California Health Care System
2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026
CHECKED: JL
DRAWN: RP

PROJECT NUMBER: 570-23-223
BUILDING NUMBER: 1
DRAWING NUMBER: ET-101

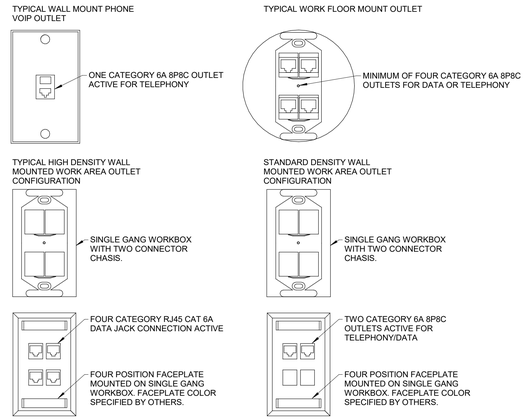
Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

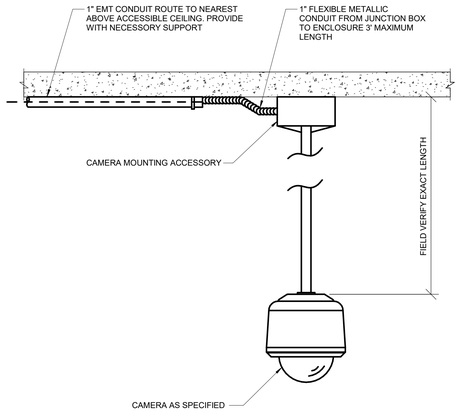


NOTES:
1. HEIGHTS SHOWN ARE TYPICAL TO CENTER OF BACKBOX / DEVICE UNLESS NOTED OTHERWISE.
2. DEVICES ABOVE DOORS SHALL BE CENTERED BETWEEN TOP OF DOOR TRIM AND CEILING LINE.
3. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER THOSE SHOWN ABOVE.

1 ELECTRICAL EQUIPMENT MOUNTING HEIGHT
N.T.S



2 DATA OUTLET DETAIL
N.T.S



NOTES:

1. COORDINATE EXACT LOCATION ON SITE WITH WORK BY OTHER TRADES TO ENSURE DESIRED VIEWING AREA AND SERVICE ACCESS AFTER COMPLETION OF PROJECT AND TO MINIMIZE ANY POSSIBLE DAMAGE TO INSTALLED CAMERA OR ASSOCIATED CABLING. FIELD COORDINATE PENDANT LENGTH TO ENSURE CAMERA VIEW IS NOT OBSTRUCTED.
2. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR CAMERA ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.
3. PROVIDE CAMERA MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION FROM THE SAME MANUFACTURER OF THE CAMERA AND APPROVED BY THE MANUFACTURER FOR USE WITH THE SPECIFIC MODEL NUMBER OF CAMERA INSTALLED.

3 CEILING MOUNTED CAMERA
N.T.S

REVISIONS	DATE
100% FOR CONSTRUCTION	04/07/2026

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DRAWING TITLE: ELECTRICAL DETAILS

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA Central California Health Care System, 2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026 | CHECKED: JL | DRAWN: RP

PROJECT NUMBER: 570-23-223

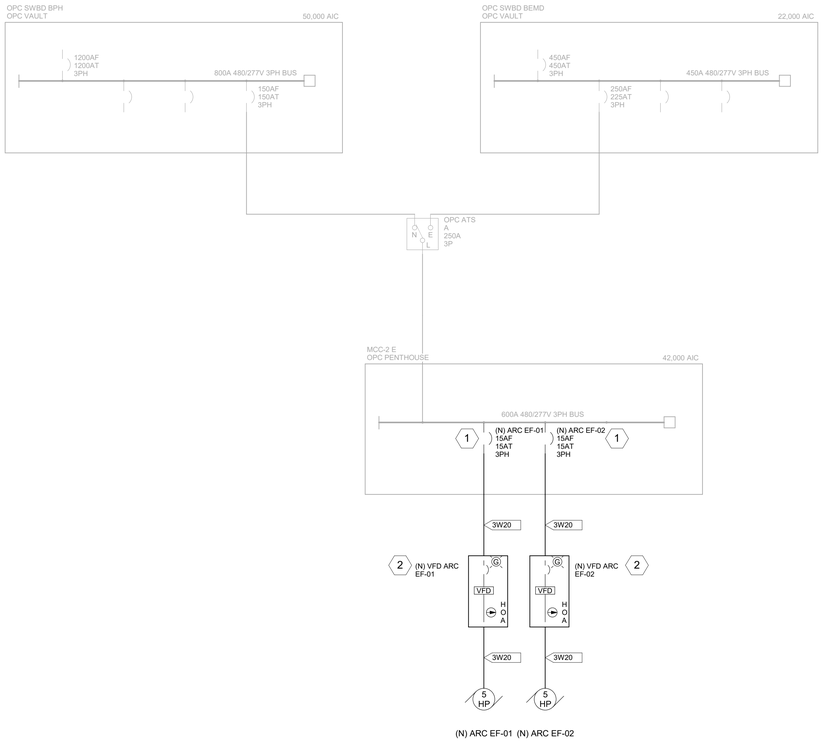
BUILDING NUMBER: 1

DRAWING NUMBER: E-501

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 MCC-2 E SINGLE LINE DIAGRAM
N.T.S

FEEDER SCHEDULE

FEEDER NUMBER	ALL FEEDER SIZES MAY NOT APPEAR ON THESE DWGS.		
#	NO. OF CONDUITS	SIZE OF CONDUITS	NO. AND SIZE OF CONDUCTORS IN EACH CONDUIT
3W20	1	3/4"	3#12 AWG & 1#12 GND

MCC-2-E				
RATED AMPS	RATED VOLTAGE	3 PHASE POWER		
600	480	498240		
EXISTING LOAD NAME	LOAD	MAX CURRENT DRAW	VOLTAGE	VA
AH-5	30HP	40	480	33216
EF-2	35 HP	52	480	43181
SF-2	30HP	40	480	33216
RF-2	10HP	14	480	11626
TEMP COMP	15HP	21	480	17438
EF-12	10HP	14	480	11626
DUPLEX COMPRESSOR	15HP	21	480	17438
EF-12/13	10HP	14	480	11626
CB T-MCC-2E	15 KVA XF	15	480	12456
RF-3	55 HP	65	481	54088
EXISTING TOTAL AMPS	296		EXISTING TOTAL VA	245911
NEW LOADS				
EF-1	5 HP	7.6	480	6311
EF-2	5HP	NONCOINCIDENT LOAD		
TOTAL CALCULATED LOAD		304	480	252222
SPARE CAPACITY		296		246018

SHEET NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY EXISTING CONDUIT AND EQUIPMENT LOCATIONS. REPORT ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS TO A/E. CONTRACTOR SHALL COORDINATE INSTALLATION ROUTING WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND CONDUIT WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL SYSTEMS. CONTRACTOR SHALL PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED EQUIPMENT ACCESS AND SERVICEABILITY.
3. EXISTING CONDITIONS ARE BASED ON EXISTING PLANS AND FIELD VERIFICATION WHERE FEASIBLE. CONSTRUCTION AREA CONDITIONS MAY DIFFER FROM THOSE INDICATED.
4. MINIMUM BRANCH CIRCUIT SIZE SHALL BE 2#12, 1#12G., 3/4"C.
5. CONTRACTOR SHALL COORDINATE FINAL POINT OF CONNECTIONS WITH VA COR PRIOR TO ROUGH-IN.
6. COORDINATE FINAL EQUIPMENT CONNECTIONS AT EQUIPMENT WITH EQUIPMENT SUPPLIER, PRIOR TO ROUGH-IN.
7. LABEL DEVICE PLATES WITH A PERMANENT ADHESIVE LABEL LISTING PANEL AND CIRCUIT FEEDING THE WIRING DEVICE.
8. UPDATE PANEL SCHEDULES AFFECTED BY RENOVATION.
9. NEW CIRCUIT BREAKERS PROVIDED SHALL MATCH THE EXISTING TYPE OF CIRCUIT BREAKERS IN PANEL BEING RENOVATED.
10. CONTRACTOR SHALL COMPLY WITH LATEST VERSION OF NEC.
11. LOCATE DISCONNECT SWITCHES TO MAINTAIN WORKING CLEARANCES PER NEC 110.26.
12. FOR EXISTING EQUIPMENT, SUCH AS WIRING DEVICES, CONDUITS, ETC., SHOWN ON PLANS TO BE REMOVED, COMPLETELY CUT/CAP CONDUITS AT THE AREA OF WORK PERIMETER AND REMOVE CONDUIT WITHIN THE WORK AREA. DISCONNECT WIRING AT THE OVERCURRENT PROTECTIVE DEVICE AND REMOVE WIRING COMPLETELY FROM THE ABANDONED CONDUITS BACK TO JUNCTION BOX OR PANEL
13. DISCONNECT ALL ABANDONED WIRING OF ALL TYPES AT THE OVERCURRENT PROTECTIVE DEVICE. COMPLETELY REMOVE ALL ABANDONED WIRING.
14. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.
15. ALL EQUIPMENT SERVING AS DISCONNECTING MEANS TO MECHANICAL UNITS SHALL COMPLY WITH N.E.C.110.26.
16. THE CONTRACTOR SHALL CONDUCT A SURVEY OF THE PROJECT AREA PRIOR TO COMMENCEMENT OF WORK TO IDENTIFY ANY EXISTING LIGHTING FIXTURES THAT MAY IMPEDE THE SCOPE OF WORK. ANY LIGHTING FIXTURES OBSTRUCTING THE WORK AREA SHALL BE REMOVED AND SECURELY STORED FOR REINSTALLATION UPON COMPLETION OF RELEVANT WORK.
17. RE-USE EXISTING CONDUIT WHERE POSSIBLE.

KEY NOTES:

1. INSTALL NEW MODULES SEE SHEET EP-102 FOR FURTHER DETAILS.
2. INSTALL NEW VFD WITH FACTORY INSTALLED DISCONNECT IN NEMA 3 ENCLOSURE.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: SINGLE LINE DIAGRAM

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA Central California Health Care System
2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026 | CHECKED: JL | DRAWN: RP

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: E-601

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

Branch Panel: (E)N-C-1D

Location: Space 70
Supply From: 1 PNL RISER-D
Mounting: RECESSED
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type:
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC BY LOBBY ATM, ATM POWER LIGHTS...	20 A	1	0 VA	0 VA					1	20 A	LIGHTS CORRIDOR EAST	2
3	ELEVATOR LOBBY LIGHTS	20 A	1			0 VA	360 VA			1	20 A	(N) SINK 1A09B, 1A09A	4
5	ROLL UP DOORS-CHECK IN	20 A	1					0 VA	540 VA	1	20 A	(N) REC 1A09A, 1A09	6
7	ROLLUP GRILLE DOOR	20 A	1	0 VA	0 VA					1	20 A	A/C CONTROL POWER	8
9	(N) VAV SWITCH	20 A	1			180 VA	0 VA			1	20 A	LIGHTS, REC RM E103	10
11	LIGHTS MAIN ENTRANCE	20 A	1					0 VA	0 VA	1	20 A	REC CU6, LIGHTS	12
13	LIGHTS MAIN ENTRANCE	20 A	1	0 VA	0 VA					1	20 A	EAST AUTO DOORS	14
15	LIGHTS MAIN ENTRANCE, LIGHTS POLICE...	20 A	1			0 VA	0 VA			1	20 A	STARBUCKS ROLLUP CAGE	16
17	CORRIDOR REC E103, 1A08	20 A	1					0 VA	0 VA	1	20 A	STARBUCKS ROLLUP CAGE	18
19	REC RM E103	20 A	1	0 VA	0 VA					2	40 A	SPACE HEATER FRONT ENTRANCE	20
21	(N) REC TOILET1A06	20 A	1			720 VA	0 VA			--	--	--	22
23	LIGHTS LOBBY	20 A	1					0 VA	500 VA	1	20 A	(N) TOILET SENSOR 1A06	24
25	LIGHTS LOBBY	20 A	1	0 VA	0 VA					3	20 A	Spare	26
27	(N) REC MSA CHECK IN 1A01B	20 A	1			1260...	0 VA			--	--	--	28
29	(N) REC WAITING AREA 1A01A	20 A	1					360 VA	0 VA	--	--	--	30
31	ATM MACHINE	20 A	1	0 VA									32
33	(N) VESTIBULE AIR CURTAIN	20 A	1			500 VA	540 VA			1	20 A	(N) REC CLEAN SUPPLY 1A02	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	REC ADMISSION DESK	36
37	NORTH ENTRANCE HEATER	40 A	2	0 VA	0 VA					3	100 A	MAIN	38
39	--	--	--			0 VA	0 VA			--	--	--	40
41	Space	--	1					--	0 VA	--	--	--	42
				Total Load:		3560 VA		1400 VA					
				Total Amps:		31 A		13 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	1540 VA	100.00%	1540 VA		
Receptacle	3420 VA	100.00%	3420 VA	**Total Conn. Load:**	4960 VA
				Total Est. Demand:	4960 VA
				Total Conn. Current:	14 A
				Total Est. Demand Current:	14 A

Notes:
* ESTIMATED NORMAL BRANCH POWER LOAD.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	VOLTS	LAMPS	DRIVER	WATTAGE	MANUFACTURER AND MODEL NO.
A	2X2 LED PANEL	RECESSED	MVOLT	LED	EZ1	15.6	LITHONIA LIGHTING OR EQUAL CPX 2X2, 2000 LUMENS, 80 CRI, 3500K, SATIN WHITE LENS, 120-277
B	6" ROUND DOWN LIGHT	RECESSED	MVOLT	LED		5.14	GOTHAM LIGHTING OR EQUAL IVO6 DOWNLIGHT 500 LUMENS 3500K 80+ CRI MEDIUM BATWING OPEN PARABOLIC CLEAR ANODIZED MATTE DIFFUSE
C	2X2 LED PANEL	RECESSED	MVOLT	LED	EZ1	30.1	LITHONIA LIGHTING OR EQUAL CPX 2X2, 3200 LUMENS, 80 CRI, 3500K, SATIN WHITE LENS, 120-277
D	2X2 LED PANEL	RECESSED	MVOLT	LED	EZ1	36.3	LITHONIA LIGHTING OR EQUAL CPX 2X2, 4000 LUMENS, 80 CRI, 3500K, SATIN WHITE LENS, 120-277
E	6" ROUND DOWN LIGHT	RECESSED	MVOLT	LED		14.95	GOTHAM LIGHTING OR EQUAL IVO6 DOWNLIGHT 1500 LUMENS 3500K 80+ CRI MEDIUM BATWING OPEN PARABOLIC PEWTER ANODIZED MATTE DIFFUSE
X	EXIT LIGHT	SURFACE	MVOLT	LED		0.7	LITHONIA LIGHTING OR EQUAL LQMS W 3 R 120/277 EL N BAA

MECHANICAL SCHEDULE

EQUIPMENT NAME	EQUIPMENT RATING						DISCONNECT SWITCH	PANEL	CONDUIT & WIRE	VFD PROVIDED BY:
	VOLTS	PHASE	HP	FLA	MCA	MOCP				
(N) ARC EF-01	480	3	5	7.6A	9.5A	15A	(N) VFD EF-01	(E) OPC MCC-2 E	3W20	CONTRACTOR
(N) ARC EF-02	480	3	5	7.6A	9.5A	15A	(N) VFD EF-02	(E) OPC MCC-2 E	3W20	CONTRACTOR

NOTE:

LOW VOLTAGE EQUIPMENT SCHEDULE

EQUIPMENT TAG	COUNT	LOCATIONS	DESCRIPTION	PROCURED BY	INSTALLED BY
VSCM	4	1A01A, 1A002, 1A09C	SECURITY CAMERA, WIRING, HARDWARE, SOFTWARE LICENSES	CONTRACTOR	CONTRACTOR
WAP	3	1A09, 1A09A	WIRELESS ACCESS POINT, WIRING, HARDWARE, SOFTWARE LICENSES	CONTRACTOR	CONTRACTOR
SECURITY ACCESS PAD	5	1A09,1A002, 1A09C	DOOR SECURITY ACCESS PAD, HARDWARE, WIRING, SOFTWARE	CONTRACTOR	CONTRACTOR
ROOM PRESSURE MONITORS	3	1A01A,1A09D, 1A09E (SEE MH-107)	HARDWARE, WIRING, SOFTWARE	MECHANICAL CONTRACTOR	MECHANICAL CONTRACTOR
PRESSURE SENSOR	2	1A01A (SEE MH-102)	HARDWARE, WIRING, SOFTWARE	MECHANICAL CONTRACTOR	MECHANICAL CONTRACTOR

NOTE:CONTRACTOR TO PROVIDE SUBMITTAL AND APPROVAL PRIOR TO PROCUREMENT IN COORDINATION WITH COR.

Branch Panel: LS-E-1E

Location: Space 70
Supply From: 1 PNL EDP2
Mounting: RECESSED
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type:
Mains Rating: 150 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EXIT LIGHTS	20 A	1	0 VA	0 VA					1	20 A	LIGHTS CORRIDOR EAST	2
3	STAIRWELL	20 A	1			0 VA	0 VA			1	20 A	AUTO DOOR EAST ENTRANCE	4
5	STAIRWELL	20 A	1					0 VA	0 VA	1	20 A	EXIT LIGHTS SOUTH WEST	6
7	STAIRWELL	20 A	1	0 VA	0 VA					1	20 A	AUTO DOOR MAIN ENTRANCE	8
9	STAIRWELL	20 A	1			0 VA	0 VA			1	20 A	LIGHTS VA POLICE	10
11	STAIRWELL LIGHTS	20 A	1					0 VA	0 VA	1	20 A	FRONT CANOPY LIGHTS	12
13	PHONE REC	20 A	1	0 VA	0 VA					1	20 A	REC VA POLICE	14
15	PHONE REC	20 A	1			0 VA	1500...			1	20 A	Power	16
17	PHONE REC	20 A	1					0 VA	0 VA	1	20 A	REC VA POLICE	18
19	PACS	20 A	1	0 VA	0 VA					3	100 A	MAIN	20
21	(N) VESTIBULE AUTOMATC DOOR OPENERS	20 A	1			1000...	0 VA			--	--	--	22
23	(N) EXIT SIGNS 1A01A, 1A09	20 A	1					22 VA	0 VA	--	--	--	24
			Total Load:	0 VA		2500 VA		22 VA					
			Total Amps:	0 A		21 A		0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	22 VA	100.00%	22 VA		
Power	2500 VA	100.00%	2500 VA	**Total Conn. Load:**	2522 VA
				Total Est. Demand:	2522 VA
				Total Conn. Current:	7 A
				Total Est. Demand Current:	7 A

Notes:
* ESTIMATED LIFE SAFETY BRANCH POWER LOAD.

Branch Panel: (E) N-E-1E

Location: Space 70
Supply From:
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LIGHTS 1A13, 1A14, 1A14, BLD OUT	20 A	1	0 VA	0 VA					1	20 A	LIGHTS 1A15A, 1AA5A.1, 1A15A.2	2
3	LIGHTS 1A13, 1A14, 1A14, BLD OUT	20 A	1			0 VA	0 VA			1	20 A	LIGHTS SOUTH PORCH	4
5	(N) SINKS 1A09E,1A09D	20 A	1					360 VA	1620...	1	20 A	(N) REC 1A09E,1A09D,1A11	6
7	Space	--	1	--	900 VA					1	20 A	(N) REC 1A09C,1A09B	8
9	Space	--	1			--	75 VA			1	20 A	(N) 1A11, 1A12 LIGHTS	10
11	Spare	20 A	1					0 VA	0 VA	1	20 A	LIGHTS 1A15A.1	12
13	MAGLOCK 1A15A	20 A	1	0 VA	0 VA					1	20 A	LIGHTS 1A15C, REC 1A15A.2, KITCHEN	14
15	REC 1A15C	20 A	1			0 VA	0 VA			1	20 A	REC 1A18 HALLWAY	16
17	LIGHTS 1A15C	20 A	1					0 VA	0 VA	1	20 A	REC 1A15 REC DESK	18
19	LIGHTS 1A15C	20 A	1	0 VA	0 VA					1	15 A	A/C CONTROLS OVER PNL NE1E	20
21	REC LOBBY COFFE KIOSK, CLOUD LGT	20 A	1			0 VA	0 VA			1	20 A	A/C CONTROLS OVER 1A15C DOOR	22
23	REC 1A13, 1A14, 1A16, 1A16B, CORRIDOR	20 A	1					0 VA	0 VA	1	20 A	REC EMPLY HEALTH	24
25	REC 1A10, E107, 1A13, 1A14	20 A	1	0 VA	0 VA					2	20 A	REC 1A15A, 1A15	26
27	Spare	30 A	2			0 VA	0 VA			--	--	--	28
29	--	--	--					0 VA	0 VA	1	20 A	1A15A.3 GLASS	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	REC 1A14	32
33	Space	--	1			--	0 VA			1	20 A	HAND DRYER 1A15A.1	34
35	Space	--	1					--	180 VA	1	20 A	(N) VAV SWITCH	36
37	REC 1A13A (EAST)	20 A	1	0 VA	0 VA					1	20 A	REC 1A14	38
39	REC 1A13B (MID)	20 A	1			0 VA	0 VA			1	20 A	REC WAIT AREA	40
41	REC 1A13C (WEST)	20 A	1					0 VA	0 VA	1	20 A	REC 1A14	42
43													44
45													46
47													48
			Total Load:	900 VA		75 VA		2160 VA					
			Total Amps:	9 A		1 A		19 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	0 VA	0.00%	0 VA		
Power	615 VA	100.00%	615 VA	**Total Conn. Load:**	3135 VA
Receptacle	2520 VA	100.00%	2520 VA	**Total Est. Demand:**	3135 VA
				Total Conn. Current:	9 A
				Total Est. Demand Current:	9 A

Notes:

Branch Panel: (E)C-E-1Y

Location: Space 70
Supply From: 1 PNL EDP1
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LIGHTS RM E100, REC PATIENT REP	20 A	1	0 VA	0 VA					1	20 A	ATRIUM LIGHTS	2
3	MASTER CLOCK CONTROL GA4-B	20 A	1			0 VA	0 VA			1	20 A	ATRIUM LIGHTS	4
5	METASYS ATRIUM	20 A	1					0 VA	0 VA	1	20 A	ATRIUM LIGHTS	6
7	REC ENTRYWAY OUTSIDE LOBBY	20 A	1	0 VA	0 VA					1	20 A	PANEL JB	8
9	(N) REC EXAM 1A09E, 1A09D	20 A	1			360 VA	0 VA			1	20 A	OR ADMISSION DESK	10
11	PANEL JB	20 A	1					0 VA	0 VA	1	20 A	OR ADMISSION DESK	12
13	CANOPY LIGHTS	20 A	1	0 VA	0 VA					1	20 A	CANOPY LIGHTS	14
15	CANOPY LIGHTS	20 A	1			0 VA	0 VA			1	20 A	CANOPY LIGHTS	16
17	CANOPY LIGHTS	20 A	1					0 VA	0 VA	1	20 A	CANOPY LIGHTS	18
19	CORRIDOR LIGHTS	20 A	1	0 VA	0 VA					1	20 A	OR ADMISSION DESK	20
21	CORRIDOR LIGHTS	20 A	1			0 VA	0 VA			1	20 A	OR ADMISSION DESK	22
23	CORRIDOR LIGHTS	20 A	1					0 VA	--	1	--	Space	24
25	CANOPY LIGHTS	20 A	1	0 VA	0 VA					1	20 A	Spare	26
27	(N) REC PORTABLE X-RAY	20 A	1			180 VA	376 VA			1	20 A	(N) LIGHTS 1A09C, 1A09D, 1A09E	28
29	(N) CORRIDOR LIGHTS 1A09	20 A	1					226 VA	131 VA	1	20 A	(N) LIGHTS 1A06, 1A02	30
31	(N) LIGHTS 1A09A, 1A09B	20 A	1	150 VA	338 VA					1	20 A	(N) WAITING AREA LIGHTS 1A01A	32
33	(N) VESTIBULE LIGHTS 1A002	20 A	1			1121...	75 VA			1	20 A	(N) MSA CHECK IN LIGHTS 1A01B	34
35	(N) REC INTERVIEW 1A09A, 1A09B	20 A	1					360 VA	--	1	--	Space	36
37	Space	--	1	--	0 VA					3	100 A	MAIN	38
39	Space	--	1			--	0 VA			--	--	--	40
41	Space	--	1					--	0 VA	--	--	--	42
43													44
45													46
47													48
			Total Load:	489 VA		2112 VA		717 VA					
			Total Amps:	4 A		18 A		6 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1252 VA	100.00%	1252 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	3318 VA
Power	1166 VA	100.00%	1166 VA	**Total Est. Demand:**	3318 VA
Receptacle	900 VA	100.00%	900 VA	**Total Conn. Current:**	9 A
				Total Est. Demand Current:	9 A

Notes:
*ESTIMATED CRITICAL BRANCH POWER LOAD.

MCC: MCC-2 E

Location: OPC ROOF PENTHOUSE
Supply From: OPS ATS A
Mounting: FREE STANDING
Enclosure:
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 42K
Mains Type: MLO
Mains Rating: 600 A
MCB Rating:

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	OPC MCP EF-12	3	15 A	15 A	0 VA	
2	OPC MCP EF-2	3	50 A	50 A	0 VA	
3	OPC MCP RF-3	3	80 A	80 A	0 VA	
4	OPC MCP RF-2	3	15 A	15 A	0 VA	
5	OPC CB T-MCC-2E	3	30 A	30 A	0 VA	
6	OPC MCP TEMP COMP	3	20 A	20 A	0 VA	
7	OPC MCP 1-AH-5	3	40 A	40 A	0 VA	
8	OPC MCP 1-EF-12/13	3	15 A	15 A	0 VA	
9	(N) ARC EF-02	3	15 A	15 A	6235 VA	
10	(N) ARC EF-01	3	15 A	15 A	6235 VA	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	12470 VA	
				Total Amps:	15 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	12470 VA	100.00%	12470 VA		
				Total Conn. Load:	12470 VA
				Total Est. Demand:	12470 VA
				Total Conn. Current:	15 A
				Total Est. Demand Current:	15 A

Notes:

100% FOR CONSTRUCTION	**04/07/2026**
REVISIONS	**DATE**

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DRAWING TITLE: ELECTRICAL SCHEDULES

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA Central California Health Care System 2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026 | CHECKED: JL | DRAWN: RP

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: E-701

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

APPLICABLE CRITERIA

WHERE SPECIFIC EDITIONS OF CRITERIA ARE REFERENCED IN THE CONTRACT, THESE EDITIONS SHALL BE UTILIZED UNLESS APPROVED OTHERWISE. WHERE SPECIFIC EDITIONS OF APPLICABLE CRITERIA ARE NOT REFERENCED WITHIN THE CONTRACT, THE MOST RECENTLY PUBLISHED EDITIONS AVAILABLE AT THE TIME OF THE GOVERNMENT'S SOLICITATION FOR PROPOSAL SHALL BE UTILIZED.

- 2024 INTERNATIONAL BUILDING CODE –IBC
- 2024 INTERNATIONAL EXISTING BUILDING CODE –IEBC
- VA FIRE PROTECTION DESIGN MANUAL (FPDM) -NINTH EDITION - NOVEMBER, 2023
- NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2025
- NFPA 70, NATIONAL ELECTRICAL CODE, 2023
- NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, 2025
- NFPA 90A, INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS, 2024
- NFPA 101, LIFE SAFETY CODE, 2024

PROJECT SPECIFICATIONS

- FIRE EXTINGUISHER CABINETS -10 44 13
- FIRE STOPPING -07 84 00
- WET-PIPE SPRINKLER SYSTEMS -21 13 13
- FIRE DETECTION AND ALARM -28 31 00

FIRE ALARM SCOPE OF WORK

MODIFICATIONS WILL CONSIST OF SELECTED DEMOLITION AND ALL NECESSARY HARDWARE, EQUIPMENT, AND SOFTWARE PROGRAMMING TO PERFORM FIRE ETECTION AND ALARM OPERATIONS. WHERE PROVIDED, NEW EQUIPMENT SHALL BE COMPATIBLE WITH THE EXISTING NOTIFIER SYSTEM.
EXISTING EQUIPMENT, INCLUDING CONDUIT AND WIRING WITHIN THE AREAS OF WORK SHALL BE UTILIZED TO THE EXTEND POSSIBLE. NEW NOTIFICATION APPLIANCES AND INITIATING DEVICES SHALL BE PROVIDED AS NECESSARY FOR COMPLETE COVERAGE BASED ON RECONFIGURED WALLS AND CEILINGS.
PERFORMANCE, LOCATION, AND MOUNTING OF NOTIFICATION APPLIANCES SHALL BE IN ACCORDANCE WITH 2025 NFPA 72. AUDIBLE NOTIFICATION APPLIANCES (SPEAKERS) WILL BE PROVIDED THROUGHOUT SUCH THAT A MINIMUM SOUND PRESSURE LEVEL OF 15 DBA ABOVE AMBIENT CONDITIONS SHALL BE PROVIDED
AS REQUIRED. VISIBLE NOTIFICATION APPLIANCES (STROBES) SHALL BE INSTALLED ONLY IN PUBLIC AND COMMON AREAS. STROBES LOCATED WITHIN THE SAME ROOM OR ADJACENT SPACE WITHIN THE FIELD OF VIEW SHALL BE SYNCHRONIZED.
DUCT SMOKE DETECTORS SHALL BE PROVIDED PER NFPA 90A. IN-DUCT DETECTORS MUST AUTOMATICALLY STOP THEIR RESPECTIVE FAN(S) ON DETECTING THE PRESENCE OF SMOKE WHERE SUPPLY AIR SYSTEMS EXCEEDING 2,000 CFM AND RETURN AIR SYSTEMS EXCEEDING 15,000 CFM AND SERVING MORE THAN ONE STORY ARE PROVIDED. SUPPLY AIR DUCT SMOKE DETECTORS MUST BE LOCATED DOWNSTREAM OF AIR FILTERS AND UPSTREAM OF ANY BRANCH DUCTS. RETURN AIR DUCT SMOKE DETECTORS MUST BE LOCATED BEFORE THE CONNECTION TO THE COMMON RETURN AND BEFORE ANY CONNECTION TO ANY RECIRCULATION OR FRESH AIR INLETS.
DUCT SMOKE DETECTORS, WHERE PROVIDED, MUST BE SUPERVISED, AND POWERED BY THE FIRE ALARM SYSTEM. EACH DETECTOR WILL BE PROVIDED WITH A REMOTE INDICATING LAMP AND KEY-OPERATED TEST SWITCH. LOCATE THE TEST SWITCHES ON A NEARBY WALL NO MORE THAN 6 FEET ABOVE FINISHED FLOOR WHERE DETECTORS ARE NOT ACCESSIBLE FOR MAINTENANCE AND TESTING.
FIRE ALARM CIRCUITS SHALL MATCH EXISTING (CLASS B DOWNSTREAM OF FATC). ALL FIRE ALARM SYSTEM WIRING SHALL BE SOLID COPPER AND INSTALLED IN CONDUIT. STRANDED WIRING IS PROHIBITED, UNLESS WHERE PREVIOUSLY APPROVED OR RECOMMENDED BY THE SYSTEM MANUFACTURER. T-TAPPING IS PROHIBITED.
CONDUIT SHALL BE RIGID METAL OR ELECTRICAL METALLIC TUBING, WITH A MINIMUM INSIDE DIAMETER OF 3/4 INCH THAT UTILIZES COMPRESSION TYPE FITTINGS AND COUPLINGS WITH A MAXIMUM FILL TO 40 PERCENT CONDUIT CAPACITY. CONDUIT OR TUBING MUST BE CONCEALED UNLESS NOTED OTHERWISE. ALL FIRE ALARM WIRING MUST BE INSTALLED IN DEDICATED CONDUIT. NO OTHER BUILDING WIRING IS PERMITTED.
THE FIRE ALARM CONTRACTOR SHALL PERFORM REQUIRED ACCEPTANCE TESTING IN ACCORDANCE WITH DIVISION 28 SPECIFICATIONS, INCLUDING FUNCTIONAL TESTING OF ANY NEW FIRE ALARM INITIATING DEVICES AND NOTIFICATION APPLIANCES IN THE AFFECTED SMOKE COMPARTMENTS, CONDUCTOR TESTING (OPEN, GROUND, SHORT) ON AFFECTED CIRCUITS, CURRENT DRAW AND VOLTAGE DROP MEASUREMENTS ON AFFECTED CIRCUITS, AND MANOMETER TESTING AT THE NEW DUCT SMOKE DETECTORS IN ACCORDANCE WITH 2025 NFPA 72.

FIRE SPRINKLER SCOPE OF WORK

BUILDING 1 IS PROTECTED THROUGHOUT BY A COMBINED AUTOMATIC WET-PIPE SPRINKLER SYSTEM AND WET STANDPIPE SYSTEM, WHICH IS ZONED BY FLOOR AND BY SMOKE COMPARTMENT. STANDPIPE HOSE CONNECTIONS ARE AVAILABLE IN IDENTIFIED STAIR ENCLOSURE. CONTROL VALVE ASSEMBLIES PROVIDE MEANS TO ISOLATE AND DRAIN THE EXISTING SYSTEM BY FLOOR AND SMOKE COMPARTMENT WITHOUT AFFECTING OTHER PORTIONS OF THE BUILDING. THE SYSTEMS ARE SUPPLIED BY AN EXISTING FIRE PUMP SYSTEM.

THE FIRE PUMP AND SPRINKLER/STANDPIPE SYSTEMS ARE SUPPLIED BY THE EXISTING WATER DISTRIBUTION SYSTEM. FIRE DEPARTMENT CONNECTIONS (FDC) FOR THE STANDPIPE AND SPRINKLER SYSTEMS ARE LOCATED ON THE BUILDING EXTERIOR AS REQUIRED AND FIRE HYDRANTS ARE POSITIONED ALONG THE BUILDING PERIMETER. THE EXISTING SYSTEMS ARE IN GOOD WORKING CONDITION AND HAVE CAPACITY TO EXECUTE THE AWARDED SCOPE OF WORK BASED ON THE PROPOSED TECHNICAL APPROACH.

MODIFY THE EXISTING AUTOMATIC WET-PIPE SPRINKLER SYSTEM TO PROVIDE COMPLETE COVERAGE THROUGHOUT THE AREAS OF WORK. ALL MATERIALS AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF 2025 NFPA 13, EXCEPT WHERE SPECIFICALLY MODIFIED BY THE 2023 VA FPDG. THE SYSTEM SHALL BE DESIGNED USING THE AREA/DENSITY METHOD, HYDRAULICALLY CALCULATED FOR LIGHT HAZARD AS NOTED ON THE DRAWINGS AND SHALL INCLUDE OUTSIDE HOSE ALLOWANCE PER 2025 NFPA 13.

SPRINKLER SPACING SHALL NOT EXCEED THAT PERMITTED BY NFPA 13 FOR THE HAZARDS INVOLVED. THE USE OF EXTENDED COVERAGE SPRINKLERS IS NOT PERMITTED. PROVIDE SPRINKLERS WITH LISTED SPRINKLER GUARD IN BENEATH STAIR LANDINGS AS REQUIRED BY 2022 NFPA 13.

PROVIDE SCHEDULE 40 BLACK STEEL PIPE FOR ALL PIPING 2-INCH AND SMALLER. SCHEDULE 10 PIPE IS PERMITTED FOR LARGER PIPE SIZES. GALVANIZED STEEL PIPE IS PROHIBITED. SYSTEM PIPING SHALL BE SEISMICALLY BRACED IN ACCORDANCE WITH 2025 NFPA 13. USE A

IN ADDITION TO SWAY BRACING, PROVIDE BRANCH LINE RESTRAINT, FLEXIBLE COUPLINGS, SEISMIC SEPARATION ASSEMBLIES, AND CLEARANCE TO STRUCTURAL MEMBERS AS REQUIRED.

THE FIRE SPRINKLER CONTRACTOR SHALL PERFORM REQUIRED ACCEPTANCE TESTING IN ACCORDANCE WITH DIVISION 21 SPECIFICATIONS, INCLUDING HYDROSTATIC TEST, MAIN DRAIN TEST, AND ALARM TESTS IN ACCORDANCE WITH 2025 NFPA 13.

FIRE ALARM SYMBOLS

SPRINKLER RISER

F — HORN/STROBE

P — STROBE SPEAKER

S — SMOKE DETECTOR

SPRINKLER

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: FIRE PROTECTION SYMBOLS, AND GENERAL NOTES

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA Central California Health Care System, 2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026 | CHECKED: JL | DRAWN: RP

PROJECT NUMBER: 570-23-223

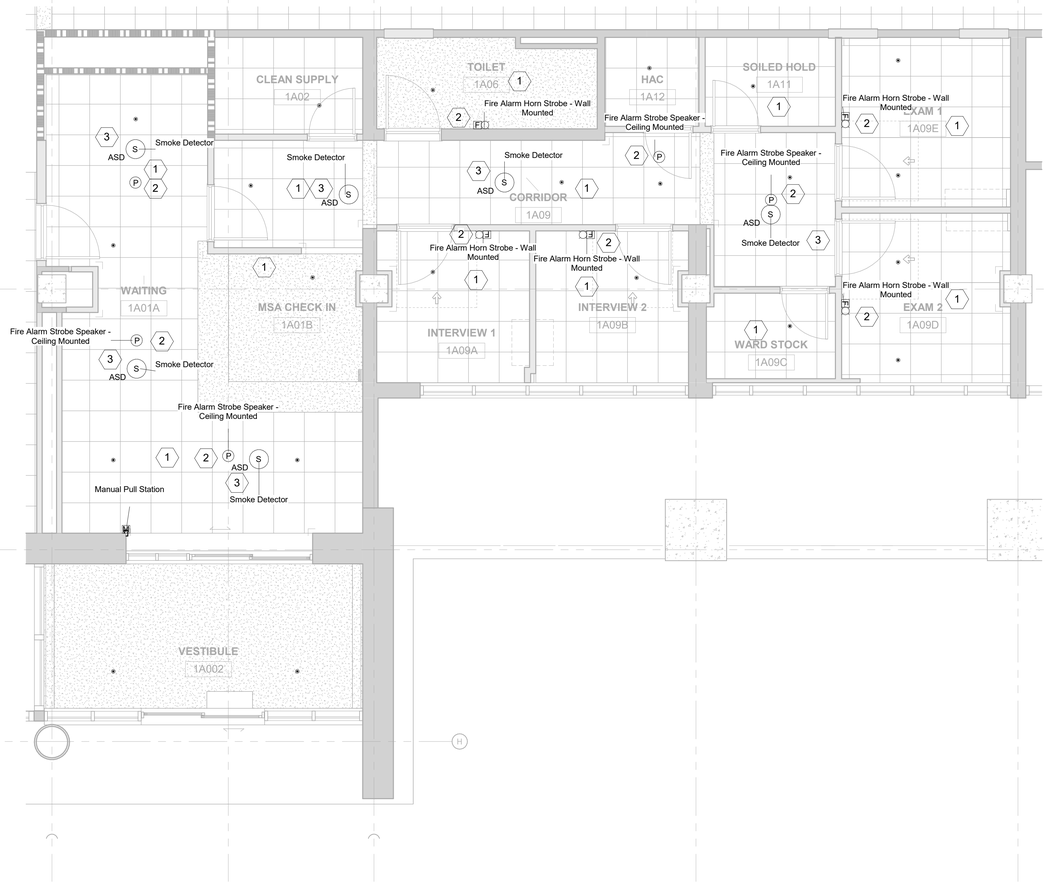
BUILDING NUMBER: 1

DRAWING NUMBER: FA-001

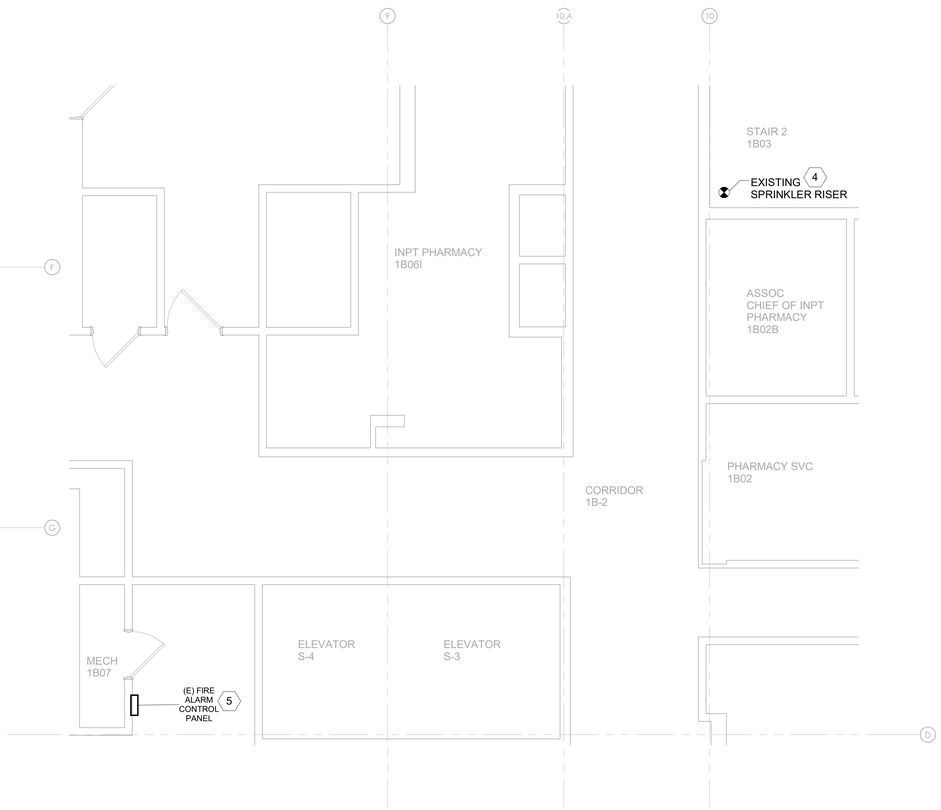
Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



1 FIRST FLOOR-FIRE ALARM
1/4" = 1'-0"



2 FIRST FLOOR-FIRE ALARM CONNECTION
1/4" = 1'-0"

SHEET NOTES:

1. FIRE ALARM SYSTEM: CONTRACTOR SHALL PROVIDE ALL FIRE ALARM COMPONENTS REQUIRED BY CITY, COUNTY AND STATE CODES ALONG WITH ANY OWNER REQUIREMENTS. DESIGN DOCUMENTS ARE TO BE PREPARED COMPLETED BY A LICENSE PROFESSIONAL ENGINEER.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND OBTAINING ALL APPLICABLE EXISTING FIRE ALARM AS-BUILT DRAWINGS, AND TEST DATA FOR THE FACILITY AND REMODEL AREA PRIOR TO COMMENCING THE DESIGN.
3. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADDRESSABLE SMOKE DETECTORS WITHIN ALL REMODEL SPACES. DEVICES TO MATCH EXISTING MANUFACTURER AND TYPE.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADDRESSABLE VISIBLE AND AUDIBLE ALARM NOTIFICATIONS APPLIANCE DEVICES IN ALL NORMALLY OCCUPIED SPACES AS REQUIRED BY APPLICABLE CODES. DEVICES TO MATCH EXISTING MANUFACTURER AND TYPE.
5. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE LATEST ADOPTED CITY, COUNTY AND STATE CODES.
6. CONTRACTOR SHALL OBTAIN PERMIT PRIOR TO STARTING ANY WORK.
7. CONTRACTOR IS RESPONSIBLE FOR COORDINATING BUILDING STANDARD REQUIREMENTS WITH OWNER'S REPRESENTATIVE PRIOR TO THE START OF WORK. ANY SPECIFIED OR OPERTIONAL FEATURE NOT SPECIFICALLY ADDRESSED PRIOR TO THE BID DATE WILL BE REQUIRED TO BE MET WITHOUT EXCEPTION/CHANGE ORDER.
8. THE FIRE ALARM VENDOR/CONTRACTOR TO PROVIDE ALL OF THE APPLICATION ENGINEERING, DOCUMENTATION, AND TESTING REQUIRED TO OBTAIN LOCAL AND STATE FIRE MARSHAL'S APPROVAL AND SYSTEM ACCEPTANCE.
9. CONTRACTOR TO PROVIDE THE EQUIPMENT AND DEVICES INDICATED HEREIN AND ON THE DRAWINGS AND VARIOUS OTHER COMPONENTS INCLUDING REMOTE POWER SUPPLIES (AS REQUIRED), ADDRESSABLE SMOKE DETECTORS, ADDRESSABLE HEAT DETECTOR, ADDRESSABLE RELAY MODULES, ETC. AS REQUIRED AND THAT MATCH EXISTING SYSTEM/EQUIPMENT MANUFACTURER, TYPE, ETC.
10. CONTRACTOR IS TO INCLUDE WITHIN THEIR DOCUMENTS A SYSTEM DIAGRAM INCLUDING RISER DIAGRAMS AND FLOOR PLANS INDICATING ALL CONDUIT AND WIRE SIZES AND QUANTITIES BETWEEN ALL DEVICES. COLOR CODING FOR DEVICE WIRING TO MATCH THE EXISTING INSTALLATIONS.
11. CONTRACTOR TO PROVIDE ALL CONDUITS, WIRES AND CABLES AS REQUIRED AND RECOMMENDED BY FIRE ALARM MANUFACTURER. CONTRACTOR TO INSTALL, CONNECT AND TEST ALL SYSTEM COMPONENT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND APPLICABLE CODES.
12. CONTRACTOR IS TO INCLUDE WITHIN THEIR DOCUMENTS VOLTAGE DROP AND BATTERY BACK-UP CALCULATIONS REQUIRED BY THE APPROVED AGENCIES.
13. CONTRACTOR TO SUBMIT CATALOG CUTS, TECHNICAL DATA, CONDUCTOR TYPE AND DESCRIPTIVE LITERATURE ON ALL COMPONENTS TO BE FURNISHED INCLUDING STATE FIRE MARSHAL LISTINGS (CALIFORNIA).
14. CONTRACTOR TO SUBMIT CALIBRATION AND TESTS REPORTS PRIOR TO FINAL ACCEPTANCE.
15. CONTRACTOR IS PROVIDING ADDITIONAL DEVICES REQUIRED BY THE FIRE MARSHAL FOR THE FINAL ACCEPTANCE TEST AT NO ADDITIONAL COST.
16. CONTRACTOR TO PROVIDE A MINIMUM 1 YEAR GUARANTEE CERTIFICATE FOR LABOR AND MATERIALS, INSTRUCTIONS AND MAINTENANCE MANUAL WITH A 24 HOUR FACTORY REPRESENTATIVE SUPPORT PHONE NUMBER. PROVIDE 8 HOURS OF INSTRUCTION TIME TO SHOW THE OWNER'S REPRESENTATIVE THE FUNCTION OF THE SYSTEM.
17. ALL FIRE ALARM DEVICE WIRING IS TO BE ROUTED IN MINIMUM 3/4" EMT CONDUIT PAINTED RED FROM DEVICE TO TERMINATION POINT IN PANEL/POWER SUPPLY/NEAREST ADJACENT DEVICE/ETC. ALL J-BOXES WITHIN CONDUIT RUNS ARE ALSO TO BE PAINTED RED.
18. REFER TO SPECIFICATIONS **28 31 00 FIRE DETECTION AND ALARM**. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE LISTED SUBMITTALS FOR THE FIRE DETECTION AND ALARM SYSTEMS. DETAILED WORKING DRAWINGS SHALL COMPLY WITH VA FIRE PROTECTION DESIGN MANUAL, AND RELATED NFPA 70, 72, 90A, AND 101 (EXCEPT AS MODIFIED BY VA FPDM). DETAILED WORKING DRAWINGS ARE TO BE SIGNED BY A NICET LEVEL III OR LEVEL IV SPRINKLER TECHNICIAN OR STAMPED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE FIELD OF FIRE PROTECTION ENGINEERING.
19. REFER TO SPECIFICATIONS **21 13 13 WET-PIPE SPRINKLER SYSTEMS**. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE LISTED SUBMITTALS FOR THE SPRINKLER SYSTEMS. DETAILED WORKING DRAWINGS SHALL COMPLY WITH VA FIRE PROTECTION DESIGN MANUAL, **NFPA 13** and NFPA 72 (EXCEPT AS MODIFIED BY VA FPDM). DETAILED WORKING DRAWINGS ARE TO BE SIGNED BY A NICET LEVEL III OR LEVEL IV SPRINKLER TECHNICIAN OR STAMPED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE FIELD OF FIRE PROTECTION ENGINEERING.
20. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE LISTED SUBMITTALS FOR THE SPRINKLER SYSTEMS. DETAILED WORKING DRAWINGS SHALL COMPLY WITH VA FIRE PROTECTION DESIGN MANUAL, NFPA 13, NFPA99, AND NFPA 72 (EXCEPT AS MODIFIED BY VA FPDM). DETAILED WORKING DRAWINGS ARE TO BE SIGNED BY A NICET LEVEL III OR LEVEL IV SPRINKLER TECHNICIAN OR STAMPED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE FIELD OF FIRE PROTECTION ENGINEERING. REFER TO DIVISION 28 FOR FURHTER ELETRONIC SAFETY AND SECURITY REQUIREMENTS.

KEY NOTES:

1. DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE INSTALLER REMAINS RESPONSIBLE FOR CORRECTING ANY CONFLICTS WITH OTHER TRADES AND BUILDING CONSTRUCTION THAT ARISE DURING INSTALLATION.
2. INSTALL NEW STROBE/SPEAKER FIRE ALARM COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.
3. PROVIDE NEW SMOKE DETECTOR IN ACCORDANCE WITH NFPA 90A. COORDINATE LOCATION OF DETECTORS WITH THE MECHANICAL CONTRACTOR. SMOKE DETECTORS SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.
4. THIS SPRINKLER RISER ASSEMBLY IS SHOWN FOR REFERENCE ONLY. FINAL CONFIGURATION AND CONNECTION FOR NEW CLINIC SPRINKLER SYSTEM SHALL BE PROVIDED BY THE FIRE PROTECTION CONTRACTOR. CONTRACTOR SHALL COORDINATE EXACT TIE-IN LOCATION AND ROUTING WITH FIELD CONDITIONS AND OTHER TRADES.
5. THIS EXISTING FIRE ALARM PANEL FOR REFERENCE ONLY. FINAL CONFIGURATION AND CONNECTION FOR NEW CLINIC FIRE ALARM SYSTEM SHALL BE PROVIDED BY THE FIRE PROTECTION CONTRACTOR. CONTRACTOR SHALL COORDINATE EXACT TIE-IN LOCATION AND ROUTING WITH FIELD CONDITIONS AND OTHER TRADES.

100% FOR CONSTRUCTION	04/07/2026
REVISIONS	DATE

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DRAWING TITLE: FIRST FLOOR FIRE ALARM

APPROVED:

PROJECT TITLE: DESIGN TO RENOVATE BLDG 1, 1ST FLOOR ACUTE RESPIRATORY CLINIC

LOCATION: VA Central California Health Care System
2615 E Clinton Ave Fresno, CA 93703

DATE: 04/07/2026 | CHECKED: JL | DRAWN: RP

PROJECT NUMBER: 570-23-223

BUILDING NUMBER: 1

DRAWING NUMBER: FA-101

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231