



Savely
Healthcare Architects
ARCHITECTURE + PLANNING + DESIGN
505 Technology Drive, Suite 175
Irvine, CA 92618
(949) 431-0071

PROJECT
ARROWHEAD
REGIONAL MEDICAL CENTER
400 N. PEPPER AVE.
COLTON, CALIFORNIA 92324

HYBRID OPERATING ROOMS



JOB#: 20SHA05 ENG. AGB
NO. DATE REVISIONS
13.11.2024 BACKCHECK SUBMITTAL #2
05.01.2024 BACKCHECK SUBMITTAL #3

PROFESSIONAL SEALS



AGENCY APPROVAL

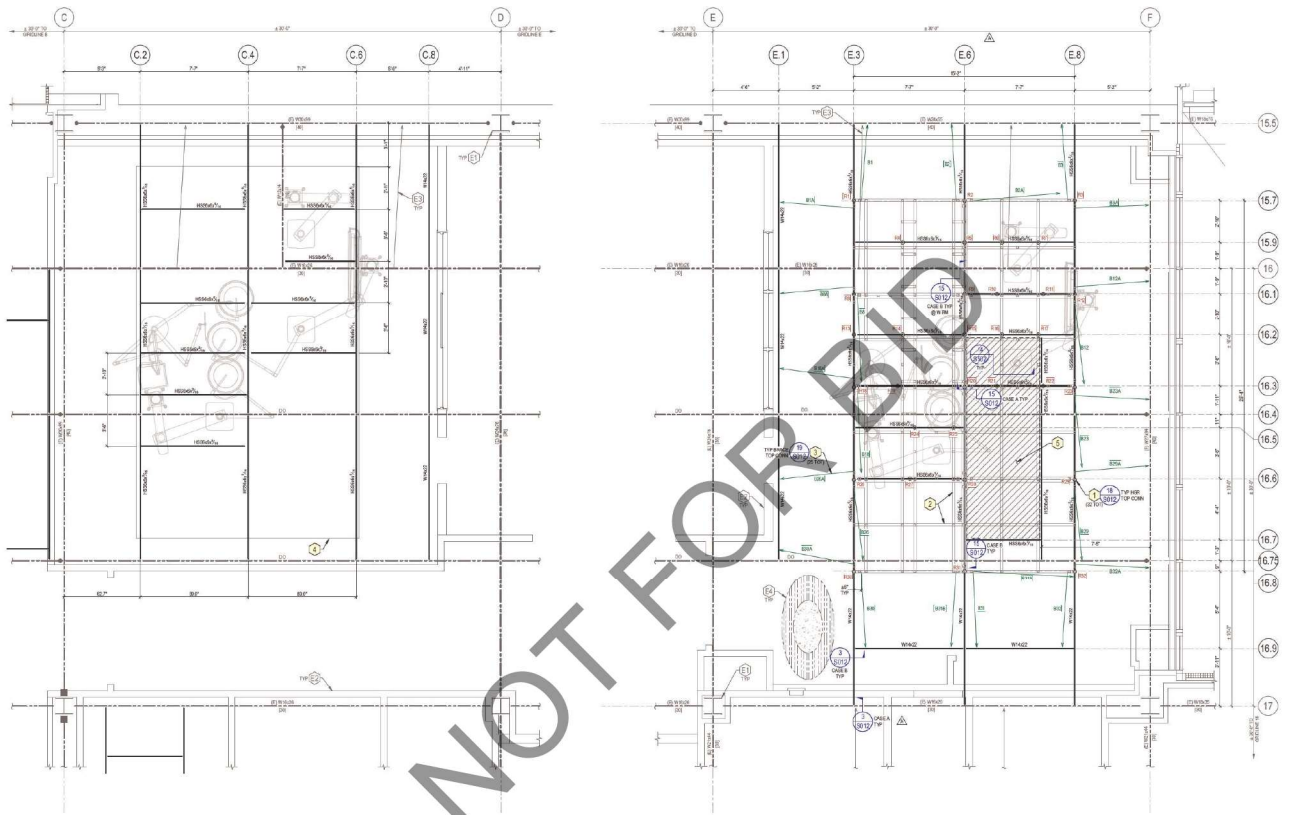


DRAWN BY: [Name] CHECKED BY: [Name] DATE: 05.17.2024

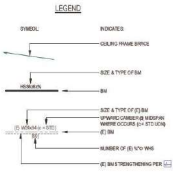
PROJECT NUMBER
S1A # 20SHA-05
HCA # 3222149-30-08

SHEET TITLE
ROOF FRAMING & SUSPENDED EQUIPMENT PLAN
SHEET NUMBER

S132



NOT FOR BID



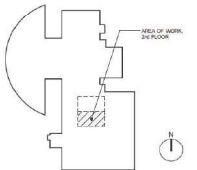
- PLAN NOTES**
- 1. GENERAL NOTES (SEE)
 - 2. TYPICAL DETAILS (SEE) & (SEE)
 - 3. REFER TO TYPICAL DETAILS FOR ARCHITECTURAL FINISHES
 - 4. ALL ELEVATIONS SHALL BE FINISHED UNLESS NOTED OTHERWISE
 - 5. ALL SURFACES SHALL BE FINISHED UNLESS NOTED OTHERWISE
 - 6. ALL INTERIORS SHALL BE FINISHED UNLESS NOTED OTHERWISE
 - 7. SEE [Reference] FOR ROOFING & EQUIP. AN.

ANALYSIS & DESIGN CRITERIA

- 1. DESIGN OF THE ROOF FRAMING, BEAMS AND SUSPENDED EQUIPMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
- 2. THE ANALYSIS SHALL BE PERFORMED FOR THE FOLLOWING LOADS:
- 3. THE DESIGN OF THE ROOF FRAMING SHALL BE BASED ON THE FOLLOWING ASSUMPTIONS:
- 4. THE DESIGN OF THE BEAMS SHALL BE BASED ON THE FOLLOWING ASSUMPTIONS:
- 5. THE DESIGN OF THE SUSPENDED EQUIPMENT SHALL BE BASED ON THE FOLLOWING ASSUMPTIONS:
- 6. THE DESIGN OF THE ROOF FRAMING SHALL BE BASED ON THE FOLLOWING ASSUMPTIONS:
- 7. THE DESIGN OF THE BEAMS SHALL BE BASED ON THE FOLLOWING ASSUMPTIONS:
- 8. THE DESIGN OF THE SUSPENDED EQUIPMENT SHALL BE BASED ON THE FOLLOWING ASSUMPTIONS:

- PLAN KEY NOTES**
- 1. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.
 - 2. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.
 - 3. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.
 - 4. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.
 - 5. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.
 - 6. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.
 - 7. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.
 - 8. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.
 - 9. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.
 - 10. [Symbol] TO THE PROJECT AS SHOWN FOR ALL MPD.

KEY PLAN



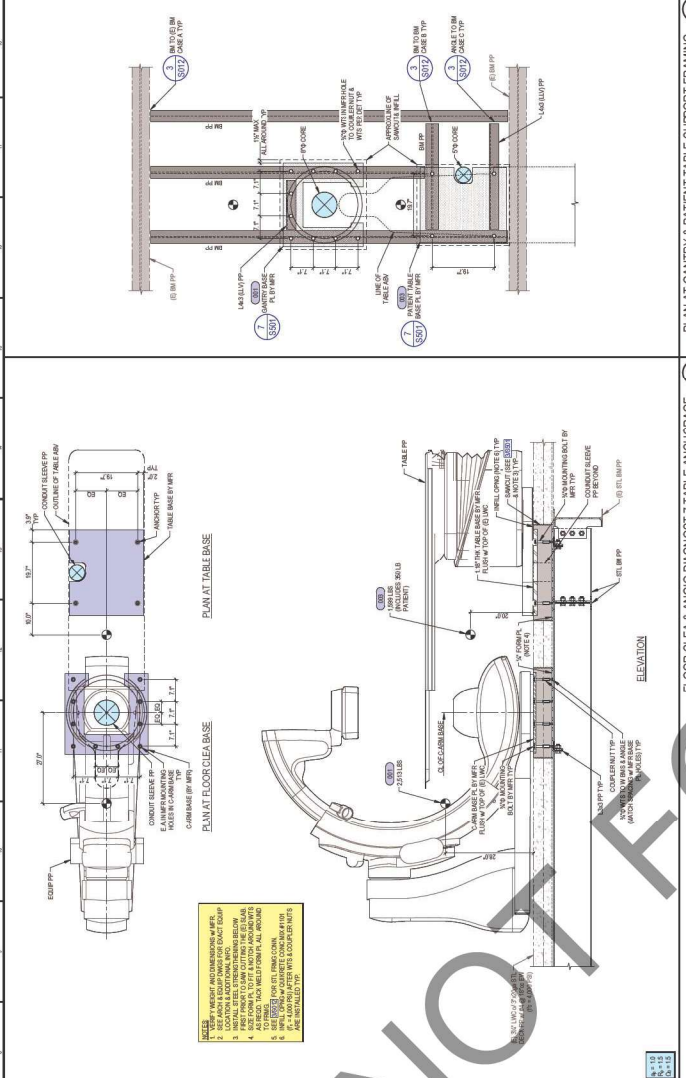
PARTIAL ROOF FRAMING & SUSPENDED EQUIPMENT PLAN
SCALE: 3/8" = 1'-0"



DRAWN BY / CHECKED BY / DATE

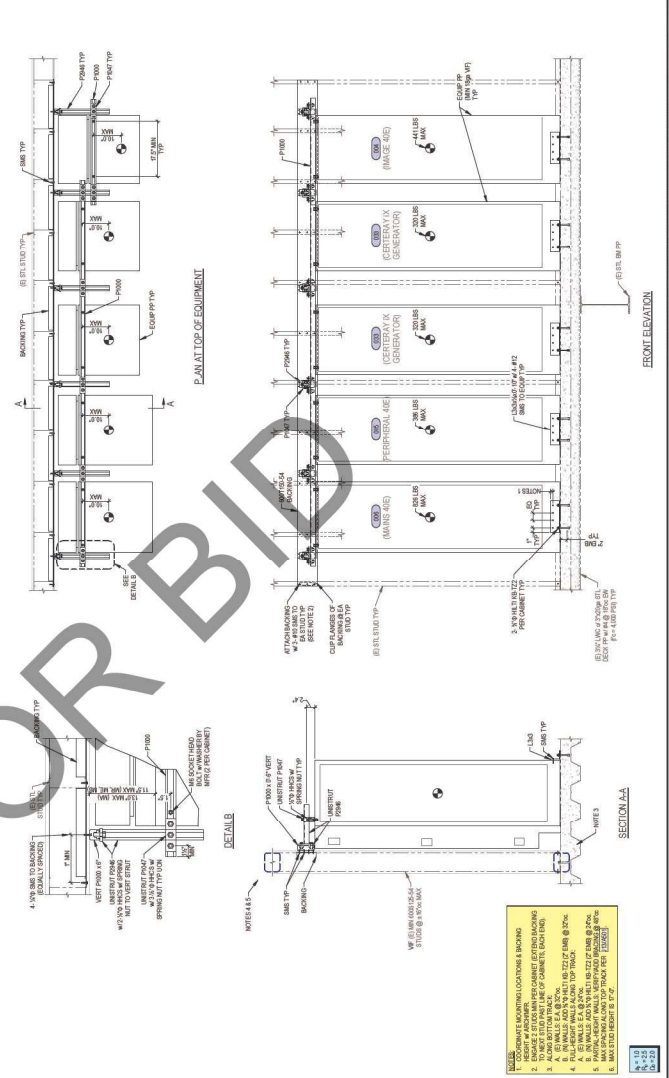
DESIGNER	AGB	05.11.2024
PROJECT NUMBER	20SHA05	
DATE	05.11.2024	
HCAI #	5222145-36-00	

SHEET TITLE: EQUIPMENT DETAILS
SHEET NUMBER: S501



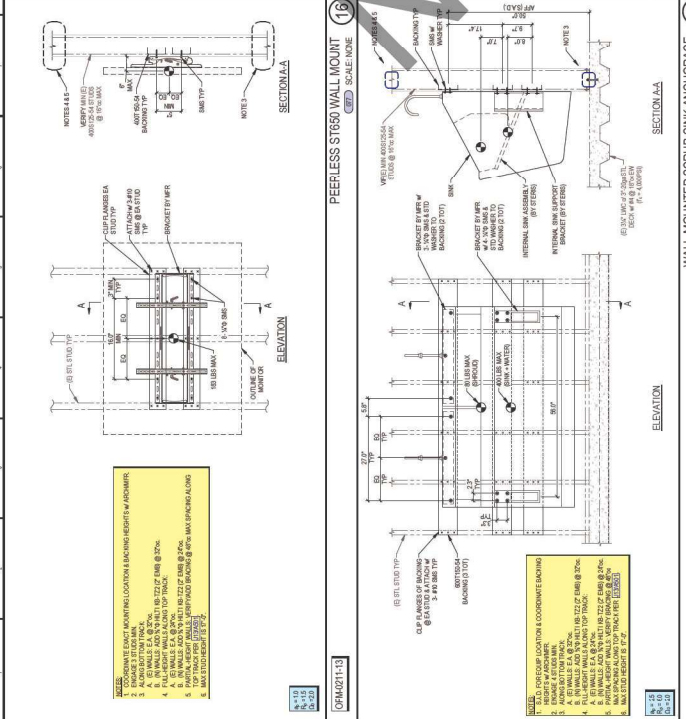
- NOTES:**
- COORDINATE EQUIPMENT MOUNTING LOCATION & BRACKETING HEIGHTS WITH MANUFACTURER.
 - ALLOW FOR 1/2" TYP. CLEARANCE BETWEEN EQUIPMENT BASES.
 - ALL WALLS SHALL BE 1/2" THICK CONCRETE WITH 4% WELDED WIRE MESH.
 - ALL WALLS SHALL BE 1/2" THICK CONCRETE WITH 4% WELDED WIRE MESH.
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FLOOR CLEA & ANGIO DIAGNOST 7 TABLE ANCHORAGE (SEE SCALE NONE)
PLAN AT GANTRY & PATIENT TABLE SUPPORT FRAMING (SEE SCALE NONE)



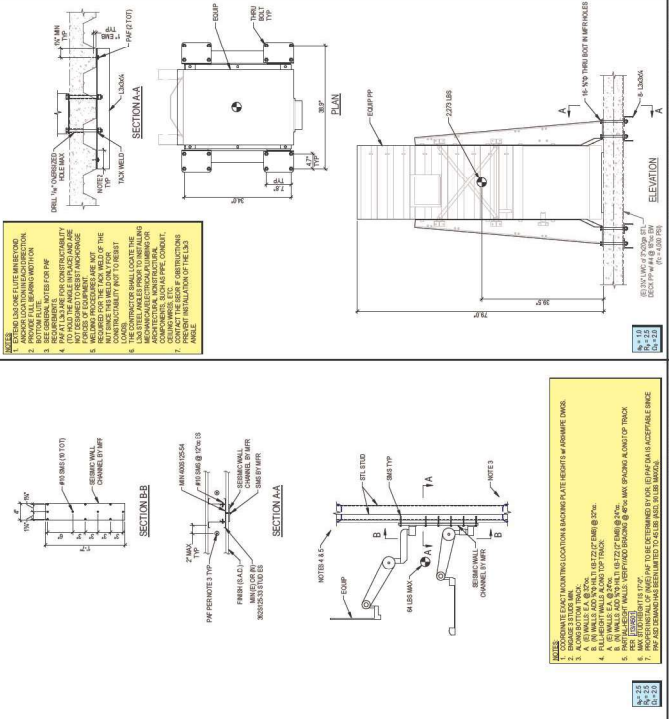
- NOTES:**
- COORDINATE EQUIPMENT MOUNTING LOCATION & BRACKETING HEIGHTS WITH MANUFACTURER.
 - ALLOW FOR 1/2" TYP. CLEARANCE BETWEEN EQUIPMENT BASES.
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FLOOR CLEA & ANGIO DIAGNOST 7 TABLE ANCHORAGE (SEE SCALE NONE)
PLAN AT GANTRY & PATIENT TABLE SUPPORT FRAMING (SEE SCALE NONE)



- NOTES:**
- COORDINATE EQUIPMENT MOUNTING LOCATION & BRACKETING HEIGHTS WITH MANUFACTURER.
 - ALLOW FOR 1/2" TYP. CLEARANCE BETWEEN EQUIPMENT BASES.
 - ALL WALLS SHALL BE 1/2" THICK CONCRETE WITH 4% WELDED WIRE MESH.
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 - ALL WALLS SHALL BE 1/2" THICK CONCRETE WITH 4% WELDED WIRE MESH.

PEERLESS ST1650 WALL MOUNT (SEE SCALE NONE)
WALL-MOUNTED SCRUB SINK ANCHORAGE (SEE SCALE NONE)



- NOTES:**
- COORDINATE EQUIPMENT MOUNTING LOCATION & BRACKETING HEIGHTS WITH MANUFACTURER.
 - ALLOW FOR 1/2" TYP. CLEARANCE BETWEEN EQUIPMENT BASES.
 - ALL WALLS SHALL BE 1/2" THICK CONCRETE WITH 4% WELDED WIRE MESH.
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 - ALL WALLS SHALL BE 1/2" THICK CONCRETE WITH 4% WELDED WIRE MESH.

WALL-MOUNTED SCRUB SINK ANCHORAGE (SEE SCALE NONE)
FLOOR-MOUNTED UPS ANCHORAGE (SEE SCALE NONE)



DRAWN BY / CHECKED BY / DATE

DESIGNER	DATE
PROJECT NUMBER	05/01/2024
SCALE	
HCA #	5222145-36-00

PROJECT NUMBER: 5222145-36-00
HCA #: 5222145-36-00

REFRIGERATOR ANCHORAGE (SCALE: NONE)

EQUIPMENT SCHEDULE

NO.	NAME	IN	DN	WT
01	REFRIGERATOR	30.0	24.0	300.0
02	STORAGE CABINET	30.0	30.0	100.0

NOTES:

- CONFORMANCE EXACT MOUNTING LOCATION & ANCHORAGE
- BRIDGE 15.000 IN.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- SPACING AND TYPE OF ANCHORS SHALL BE AS SHOWN.
- MAXIMUM HEIGHT IS 27".

REFRIGERATOR ANCHORAGE (SCALE: NONE)

EQUIPMENT SCHEDULE

NO.	NAME	IN	DN	WT
01	REFRIGERATOR	30.0	24.0	300.0
02	STORAGE CABINET	30.0	30.0	100.0

NOTES:

- CONFORMANCE EXACT MOUNTING LOCATION & ANCHORAGE
- BRIDGE 15.000 IN.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- SPACING AND TYPE OF ANCHORS SHALL BE AS SHOWN.
- MAXIMUM HEIGHT IS 27".

WIRE SHELVING ANCHORAGE (SCALE: NONE)

EQUIPMENT SCHEDULE

MODEL	ALUMINO	ALUMINO	ALUMINO	ALUMINO
NO.	1000	5000	10000	20000
01	1000	5000	10000	10000
02	1000	5000	10000	20000

NOTES:

- ALL WIRE SHELVING COMPONENTS SHALL BE MANUFACTURED BY HANITAT.
- DO NOT FASTEN TO SHELF OR WALL. WALLS WILL BE ANCHORED TO SHELF.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- MAXIMUM HEIGHT IS 27".

MICROSCOPE TETHER TO WALL (SCALE: NONE)

EQUIPMENT SCHEDULE

NO.	NAME	IN	DN	WT
01	MICROSCOPE	18.0	18.0	10.0

NOTES:

- CONFORMANCE EXACT MOUNTING LOCATION & ANCHORAGE
- BRIDGE 15.000 IN.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- SPACING AND TYPE OF ANCHORS SHALL BE AS SHOWN.
- MAXIMUM HEIGHT IS 27".

MICROSCOPE TETHER TO WALL (SCALE: NONE)

EQUIPMENT SCHEDULE

NO.	NAME	IN	DN	WT
01	MICROSCOPE	18.0	18.0	10.0

NOTES:

- CONFORMANCE EXACT MOUNTING LOCATION & ANCHORAGE
- BRIDGE 15.000 IN.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- SPACING AND TYPE OF ANCHORS SHALL BE AS SHOWN.
- MAXIMUM HEIGHT IS 27".

WALL-MOUNTED EXAM LIGHT ANCHORAGE (SCALE: NONE)

EQUIPMENT SCHEDULE

NO.	NAME	IN	DN	WT
01	EXAM LIGHT	24.0	24.0	15.0

NOTES:

- CONFORMANCE EXACT MOUNTING LOCATION & ANCHORAGE
- BRIDGE 15.000 IN.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- SPACING AND TYPE OF ANCHORS SHALL BE AS SHOWN.
- MAXIMUM HEIGHT IS 27".

RETURN FAN ANCHORAGE (SCALE: NONE)

EQUIPMENT SCHEDULE

NO.	NAME	IN	DN	WT
01	RETURN FAN	24.0	24.0	15.0

NOTES:

- CONFORMANCE EXACT MOUNTING LOCATION & ANCHORAGE
- BRIDGE 15.000 IN.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- SPACING AND TYPE OF ANCHORS SHALL BE AS SHOWN.
- MAXIMUM HEIGHT IS 27".

RETURN FAN ANCHORAGE (SCALE: NONE)

EQUIPMENT SCHEDULE

NO.	NAME	IN	DN	WT
01	RETURN FAN	24.0	24.0	15.0

NOTES:

- CONFORMANCE EXACT MOUNTING LOCATION & ANCHORAGE
- BRIDGE 15.000 IN.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
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- ALL WALLS SHALL BE 8" CMU @ 8" C.
- SPACING AND TYPE OF ANCHORS SHALL BE AS SHOWN.
- MAXIMUM HEIGHT IS 27".

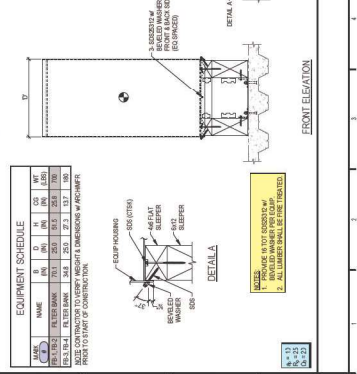
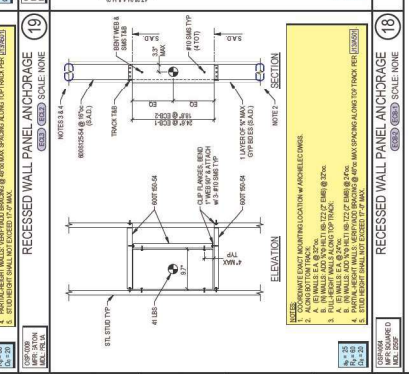
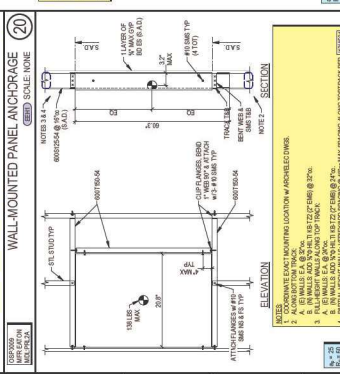
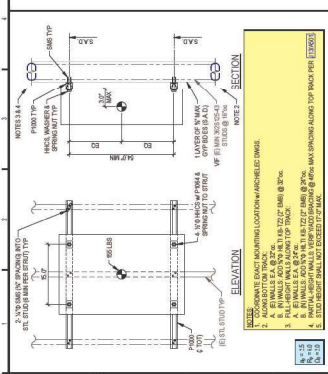
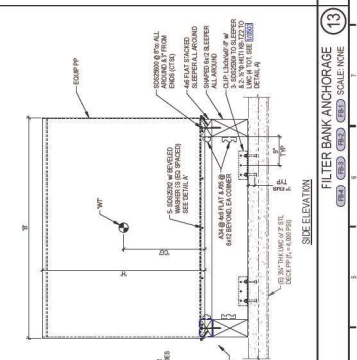
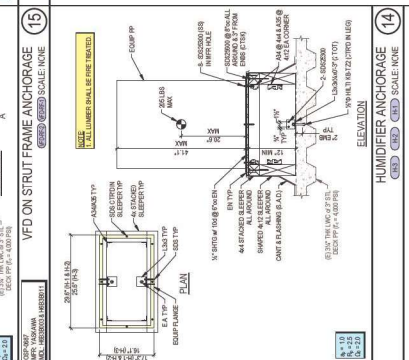
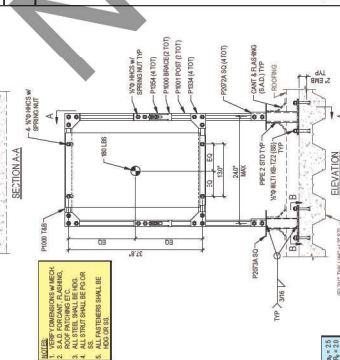
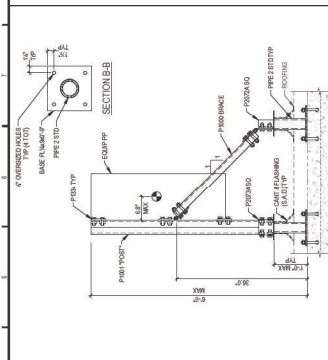
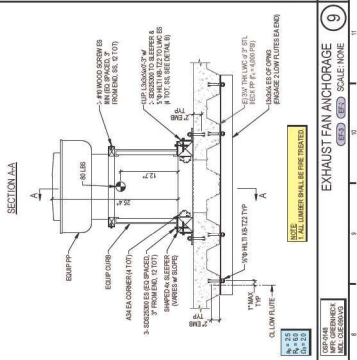
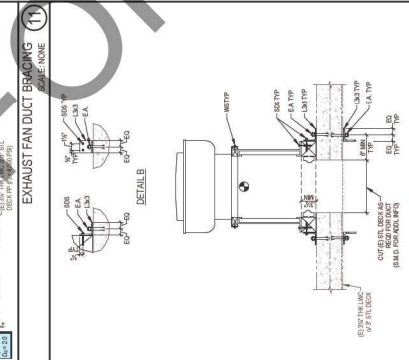
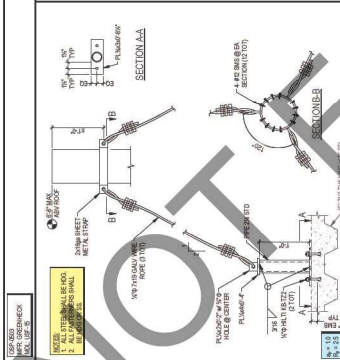
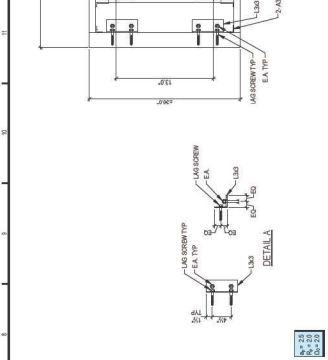
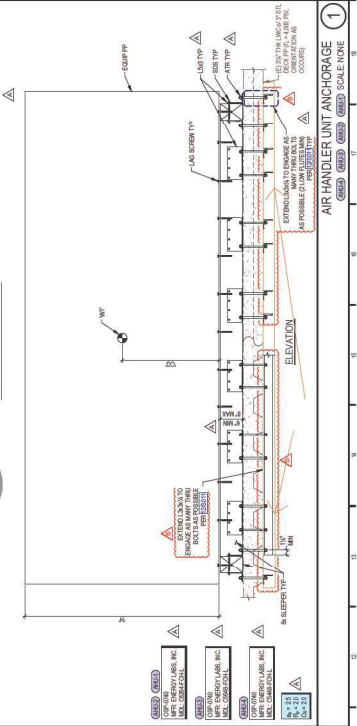
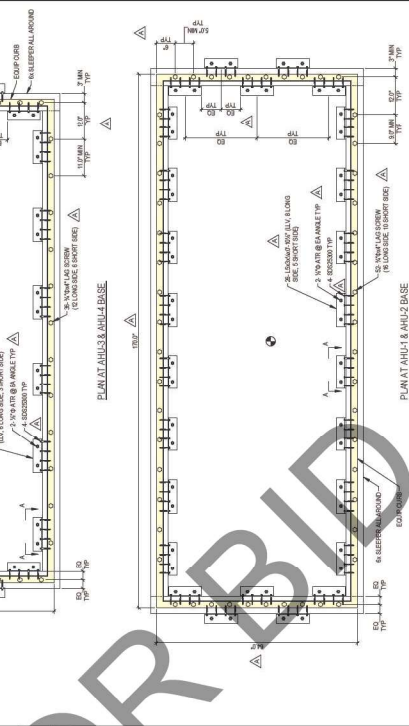
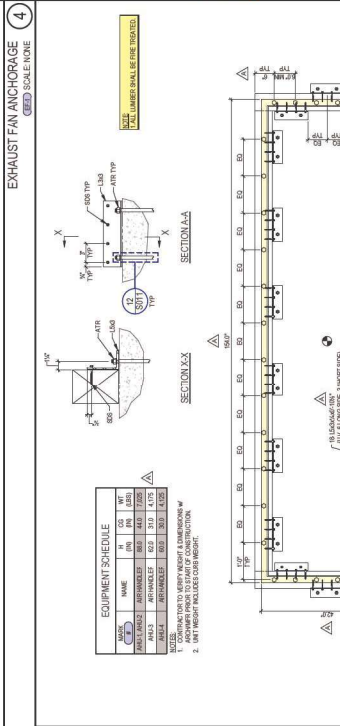
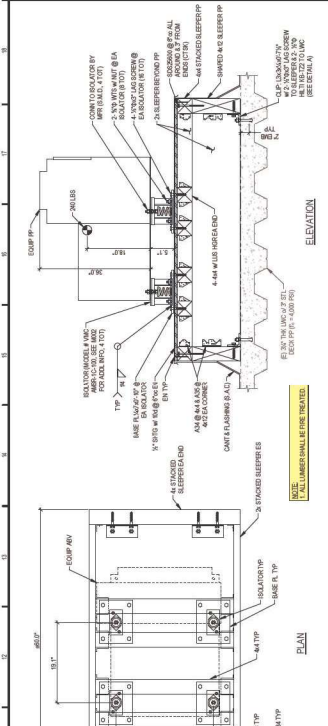
WALL-MOUNTED ELECTRICAL PANEL (SCALE: NONE)

EQUIPMENT SCHEDULE

NO.	NAME	IN	DN	WT
01	ELECTRICAL PANEL	24.0	24.0	15.0

NOTES:

- CONFORMANCE EXACT MOUNTING LOCATION & ANCHORAGE
- BRIDGE 15.000 IN.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- ALL WALLS SHALL BE 8" CMU @ 8" C.
- SPACING AND TYPE OF ANCHORS SHALL BE AS SHOWN.
- MAXIMUM HEIGHT IS 27".



EQUIPMENT SCHEDULE

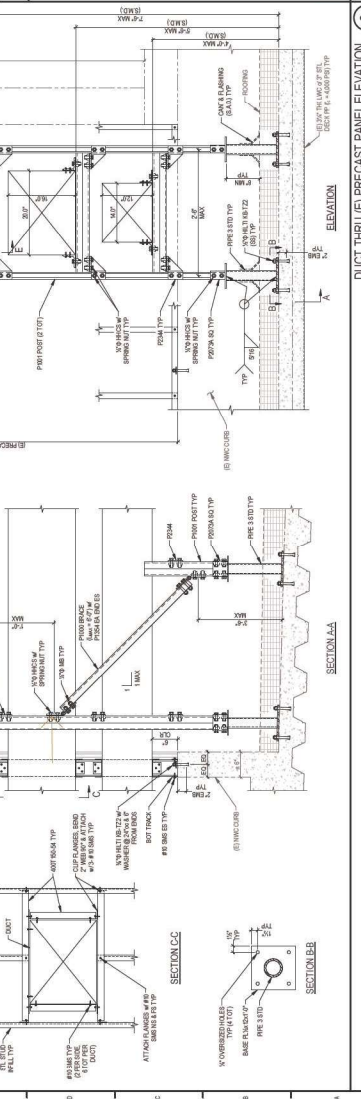
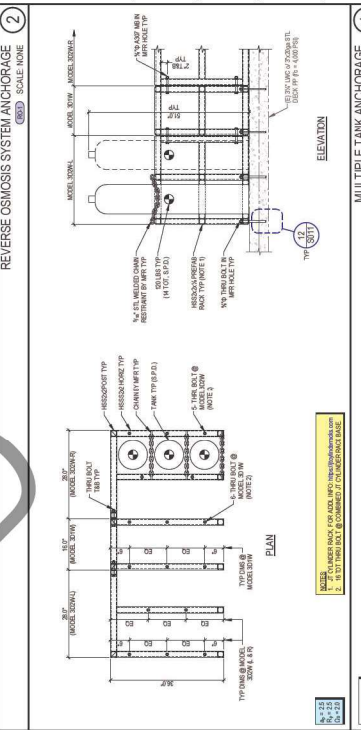
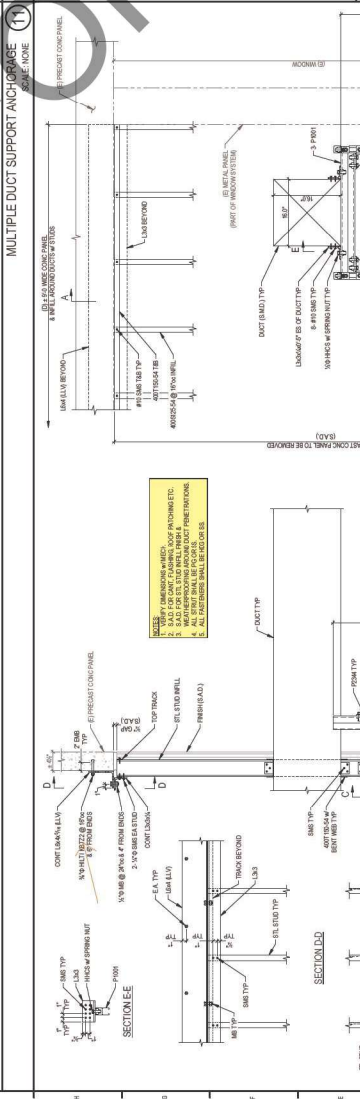
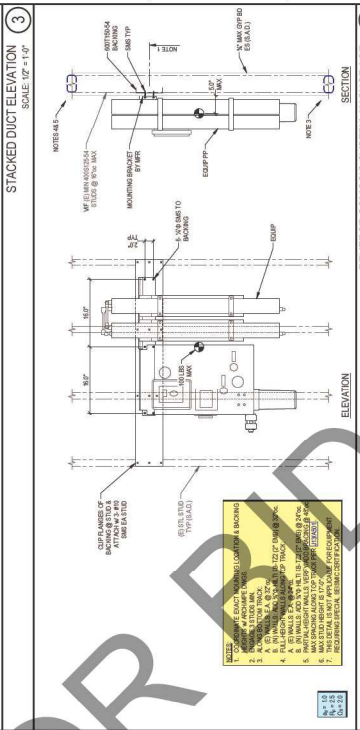
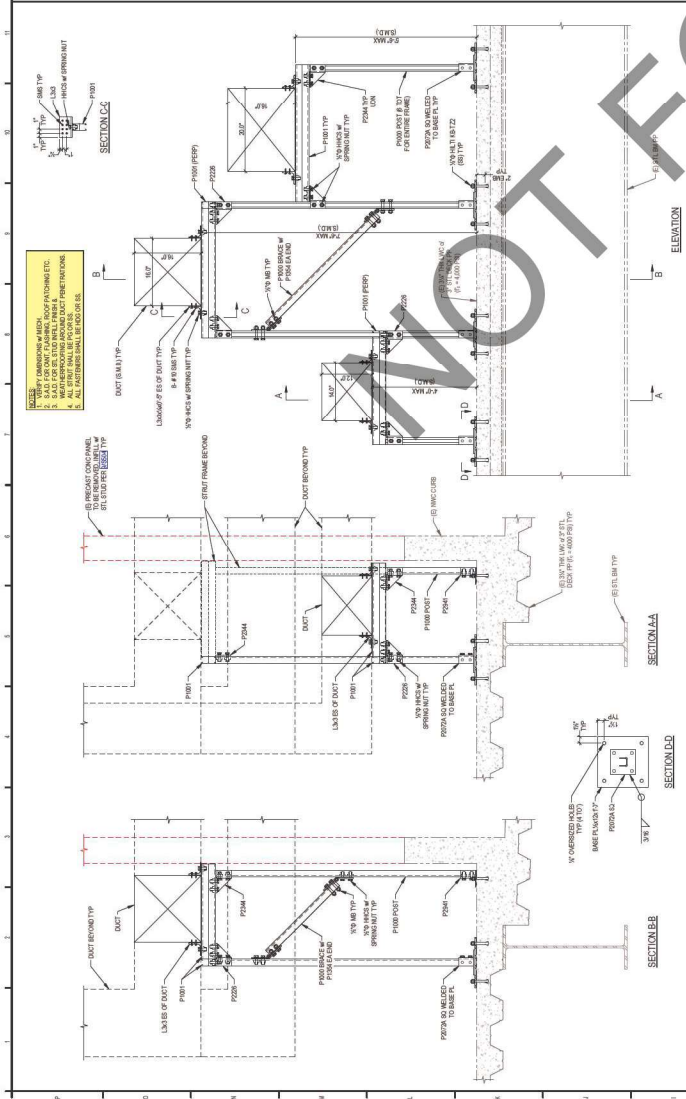
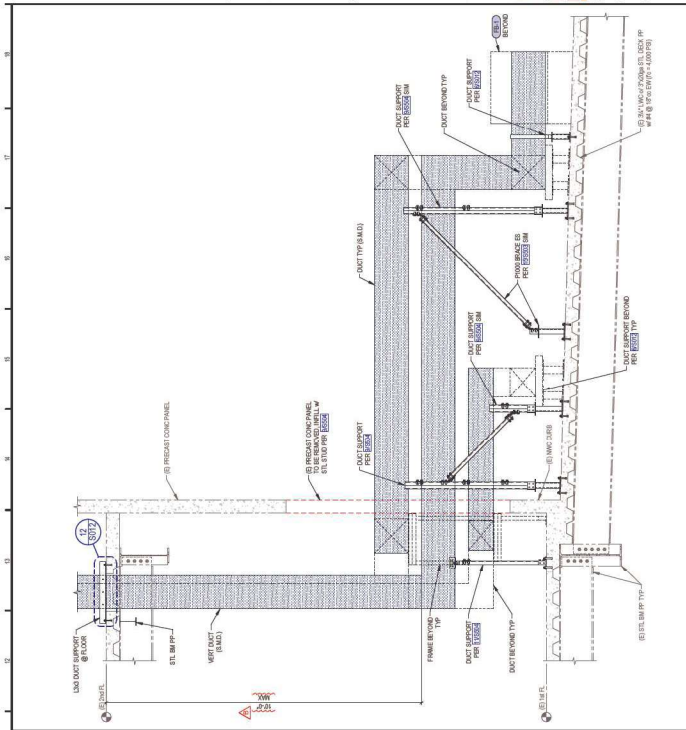
ITEM	NAME	QTY	UNIT	NOTE
1	EXHAUST FAN	1	EA	1. SEE SPECIFICATIONS FOR CONSTRUCTION.
2	EXHAUST FAN DUCT	1	EA	2. SEE SPECIFICATIONS FOR CONSTRUCTION.

EQUIPMENT SCHEDULE

ITEM	NAME	QTY	UNIT	NOTE
1	EXHAUST FAN	1	EA	1. SEE SPECIFICATIONS FOR CONSTRUCTION.
2	EXHAUST FAN DUCT	1	EA	2. SEE SPECIFICATIONS FOR CONSTRUCTION.

EQUIPMENT SCHEDULE

ITEM	NAME	QTY	UNIT	NOTE
1	EXHAUST FAN	1	EA	1. SEE SPECIFICATIONS FOR CONSTRUCTION.
2	EXHAUST FAN DUCT	1	EA	2. SEE SPECIFICATIONS FOR CONSTRUCTION.



LEGEND

Table with 2 columns: SYMBOL, DESCRIPTION. Includes symbols for pipe elbow up/down, tee, cross, and various valves.

LEGEND

Table with 2 columns: SYMBOL, DESCRIPTION. Includes symbols for transition, round, square, rectangular duct up/down, and various dampers.

ABBREVIATIONS

Table with 2 columns: ABBREVIATION, DESCRIPTION. Lists abbreviations for air vent, door, fire door, fire alarm, etc.

APPLICABLE CODES & STANDARDS

- List of applicable codes and standards including California Building Code, International Building Code, NFPA 70, etc.

GENERAL NOTES

- General notes regarding construction, materials, and installation requirements.

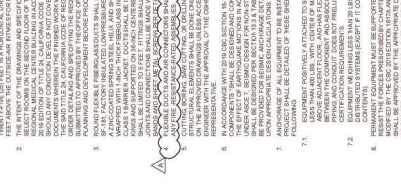
HCIA / OSHPD GENERAL NOTES

- HCIA / OSHPD general notes regarding design, materials, and installation.

ANNOTATION SYMBOLS



LINE TYPES



REVISIONS

Table with 3 columns: NO., DATE, REVISIONS. Lists revision history.

PROJECT

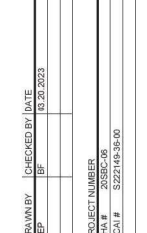
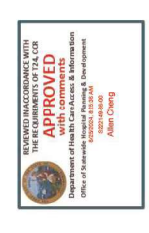
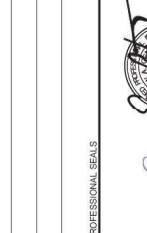
Project Name: Arrowhead Regional Medical Center Hybrid Operating Rooms



Arrowhead Regional Medical Center, 400 N. Pepper Ave., Colton, California 92324



Goss Engineering, 255 E. Rhison St., Suite 301, Colton, CA 92329



Project information: Project Number, HCA #, Sheet Title, Abbreviations, Sheet Number.



Project information: Project Number, HCA #, Sheet Title, Abbreviations, Sheet Number.

EQUIPMENT MANUFACTURER / TAG	LOCATION	SUPPLY FAN		RETURN / RELIEF FAN		MOTOR		MOTOR		MOTOR		MOTOR		MOTOR		OPERATING WEIGHT (LBS)	NOTES
		QTY	HP	CFM	SPR	CFM	SPR	CFM	SPR	CFM	SPR	CFM	SPR	CFM	SPR		
AM-1	ENERGY LAB / ROOF	2	11500	4.1	11500	10	11500	4.1	11500	10	11500	4.1	11500	10	11500	7050	1.18.10.7
AM-2	ENERGY LAB / ROOF	2	11500	6.7	11500	15	11500	6.7	11500	15	11500	6.7	11500	15	11500	7050	1.18.10.7
AM-3	ENERGY LAB / ROOF	1	3500	8.1	3500	7.5	3500	8.1	3500	7.5	3500	8.1	3500	7.5	3500	4305	1.18.10.7
AM-4	COMB CHL / ROOF	1	2500	6.7	2500	4.9	2500	6.7	2500	4.9	2500	6.7	2500	4.9	2500	4305	1.18.10.7

EQUIPMENT MANUFACTURER / TAG	LOCATION	WATERSEAL		WATERSEAL		WATERSEAL		WATERSEAL		WATERSEAL		WATERSEAL		WATERSEAL		OPERATING WEIGHT (LBS)	NOTES
		QTY	CFM	SPR	CFM	SPR	CFM	SPR	CFM	SPR	CFM	SPR	CFM	SPR			
AM-1	ENERGY LAB / ROOF	2	11500	4.1	11500	10	11500	4.1	11500	10	11500	4.1	11500	10	11500	7050	1.18.10.7
AM-2	ENERGY LAB / ROOF	2	11500	6.7	11500	15	11500	6.7	11500	15	11500	6.7	11500	15	11500	7050	1.18.10.7
AM-3	ENERGY LAB / ROOF	1	3500	8.1	3500	7.5	3500	8.1	3500	7.5	3500	8.1	3500	7.5	3500	4305	1.18.10.7
AM-4	COMB CHL / ROOF	1	2500	6.7	2500	4.9	2500	6.7	2500	4.9	2500	6.7	2500	4.9	2500	4305	1.18.10.7

NOTE: 1. UNLESS SPECIFIED OTHERWISE, ALL EQUIPMENT SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. 2. ALL EQUIPMENT SHALL BE LISTED TO THE UL DIRECTORY. 3. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 4. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 5. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 6. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 7. PROVIDE EXTERNAL FAN FILTER BANK. SEE FAN FILTER BANK SCHEDULE.

EQUIPMENT TAG	MANUFACTURER / MODEL	VALVE ERECTION POSITION	CONTROLS	MAX. AIRFLOW (CFM)	MIN. AIRFLOW (CFM)	MAX. AIRFLOW (CFM)	HEAT RECOVERY		HEAT RECOVERY		HEAT RECOVERY		EMERGENCY POWER (VA)	OPERATING WEIGHT (LBS)	ANCHORAGE REFERENCE	NOTES	
							TYPE	MODEL	TYPE	MODEL	TYPE	MODEL					
VM-1A	ANTEC / VV	414	HYBRID	7200	7200	7200	ELECTRIC	760	4.2	0.2	400/200	15.0	6.9	Y	25	8901	1.2.3.4.5
VM-1B	ANTEC / VV	414	HYBRID	7200	7200	7200	ELECTRIC	760	4.2	0.2	400/200	15.0	6.9	Y	25	8901	1.2.3.4.5
VM-1C	ANTEC / VV	110	ANALOG CONTROL ROOM	760	760	760	ELECTRIC	760	4.2	0.2	400/200	15.0	6.9	Y	25	8901	1.2.3.4.5
VM-1D	ANTEC / VV	110	ANALOG CONTROL ROOM	760	760	760	ELECTRIC	760	4.2	0.2	400/200	15.0	6.9	Y	25	8901	1.2.3.4.5
VM-1E	ANTEC / VV	110	ANALOG CONTROL ROOM	760	760	760	ELECTRIC	760	4.2	0.2	400/200	15.0	6.9	Y	25	8901	1.2.3.4.5

NOTE: 1. UNLESS SPECIFIED OTHERWISE, ALL EQUIPMENT SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. 2. ALL EQUIPMENT SHALL BE LISTED TO THE UL DIRECTORY. 3. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 4. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 5. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 6. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 7. PROVIDE EXTERNAL FAN FILTER BANK. SEE FAN FILTER BANK SCHEDULE.

EQUIPMENT TAG	MANUFACTURER / MODEL	SIZE (IN)	MAX. COOLING CAPACITY (BTU/H)	MAX. HEATING CAPACITY (BTU/H)	TYPE	MANUFACTURER / MODEL	MAX. COOLING CAPACITY (CFM)	MIN. COOLING CAPACITY (CFM)	MAX. COOLING CAPACITY (CFM)	HEAT RECOVERY		HEAT RECOVERY		EMERGENCY POWER (VA)	OPERATING WEIGHT (LBS)	ANCHORAGE REFERENCE	NOTES		
										TYPE	MODEL	TYPE	MODEL						
CA-2	TRIS / DESV	8	410	410	ELECTRIC	TRIS / DESV	410	410	410	ELECTRIC	410	410	410	15	3.8	Y	25	8901	1.2.3
CA-3	TRIS / DESV	8	410	410	ELECTRIC	TRIS / DESV	410	410	410	ELECTRIC	410	410	410	15	3.8	Y	25	8901	1.2.3
CA-4	TRIS / DESV	8	410	410	ELECTRIC	TRIS / DESV	410	410	410	ELECTRIC	410	410	410	15	3.8	Y	25	8901	1.2.3
CA-5	TRIS / DESV	8	410	410	ELECTRIC	TRIS / DESV	410	410	410	ELECTRIC	410	410	410	15	3.8	Y	25	8901	1.2.3
CA-6	TRIS / DESV	8	410	410	ELECTRIC	TRIS / DESV	410	410	410	ELECTRIC	410	410	410	15	3.8	Y	25	8901	1.2.3

NOTE: 1. UNLESS SPECIFIED OTHERWISE, ALL EQUIPMENT SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. 2. ALL EQUIPMENT SHALL BE LISTED TO THE UL DIRECTORY. 3. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 4. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 5. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 6. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 7. PROVIDE EXTERNAL FAN FILTER BANK. SEE FAN FILTER BANK SCHEDULE.

EQUIPMENT TAG	MANUFACTURER / MODEL	LOCATION	AREA SERVED	TYPE	MANUFACTURER / MODEL	MAX. COOLING CAPACITY (CFM)	MIN. COOLING CAPACITY (CFM)	MAX. COOLING CAPACITY (CFM)	HEAT RECOVERY		HEAT RECOVERY		EMERGENCY POWER (VA)	OPERATING WEIGHT (LBS)	ANCHORAGE REFERENCE	NOTES
									TYPE	MODEL	TYPE	MODEL				
EA-1	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7
EA-2	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7
EA-3	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7
EA-4	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7
EA-5	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7

NOTE: 1. UNLESS SPECIFIED OTHERWISE, ALL EQUIPMENT SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. 2. ALL EQUIPMENT SHALL BE LISTED TO THE UL DIRECTORY. 3. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 4. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 5. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 6. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 7. PROVIDE EXTERNAL FAN FILTER BANK. SEE FAN FILTER BANK SCHEDULE.

EQUIPMENT TAG	MANUFACTURER / MODEL	MAX. AIRFLOW (CFM)	MIN. AIRFLOW (CFM)	MAX. AIRFLOW (CFM)	TYPE	MANUFACTURER / MODEL	MAX. AIRFLOW (CFM)	MIN. AIRFLOW (CFM)	MAX. AIRFLOW (CFM)	HEAT RECOVERY		HEAT RECOVERY		EMERGENCY POWER (VA)	OPERATING WEIGHT (LBS)	ANCHORAGE REFERENCE	NOTES
										TYPE	MODEL	TYPE	MODEL				
H-1	NEPTUNO / DECONTAM	30	15200	1400	4200	1400	1400	1400	1400	ELECTRIC	1400	1400	1400	1400	1400	1400	1.2.3.4.5.6.7
H-2	NEPTUNO / DECONTAM	30	15200	1400	4200	1400	1400	1400	1400	ELECTRIC	1400	1400	1400	1400	1400	1400	1.2.3.4.5.6.7
H-3	NEPTUNO / DECONTAM	30	15200	1400	4200	1400	1400	1400	1400	ELECTRIC	1400	1400	1400	1400	1400	1400	1.2.3.4.5.6.7

NOTE: 1. UNLESS SPECIFIED OTHERWISE, ALL EQUIPMENT SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. 2. ALL EQUIPMENT SHALL BE LISTED TO THE UL DIRECTORY. 3. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 4. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 5. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 6. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 7. PROVIDE EXTERNAL FAN FILTER BANK. SEE FAN FILTER BANK SCHEDULE.

EQUIPMENT TAG	MANUFACTURER / MODEL	LOCATION	AREA SERVED	TYPE	MANUFACTURER / MODEL	MAX. COOLING CAPACITY (CFM)	MIN. COOLING CAPACITY (CFM)	MAX. COOLING CAPACITY (CFM)	HEAT RECOVERY		HEAT RECOVERY		EMERGENCY POWER (VA)	OPERATING WEIGHT (LBS)	ANCHORAGE REFERENCE	NOTES
									TYPE	MODEL	TYPE	MODEL				
EA-1	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7
EA-2	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7
EA-3	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7
EA-4	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7
EA-5	GENERAL / ROOF	GENERAL	140	1.5	1.5	140	140	140	140	ELECTRIC	140	140	140	140	140	1.2.3.4.5.6.7

NOTE: 1. UNLESS SPECIFIED OTHERWISE, ALL EQUIPMENT SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA. 2. ALL EQUIPMENT SHALL BE LISTED TO THE UL DIRECTORY. 3. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 4. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 5. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 6. PROVIDE INCH PITCH ROOF FLASHING AND ALL ROOFS SHALL BE SLOPED TO THE EXTERIOR. 7. PROVIDE EXTERNAL FAN FILTER BANK. SEE FAN FILTER BANK SCHEDULE.



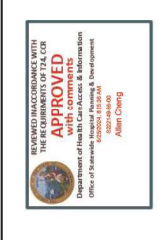
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 505 Technology Drive, Suite 175
 San Diego, CA 92161
 (619) 431-8071

ARROWHEAD REGIONAL MEDICAL CENTER
 400 N. PEPPER AVE.
 COLTON, CALIFORNIA 92324

HYBRID OPERATING ROOMS

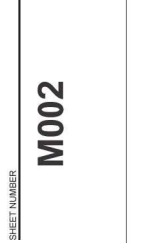
GOSS ENGINEERING
 255 E. Rincon St., Suite 301
 Corona, CA 92729
 (951) 661-3400
 www.gossextr.com

Project Number: 120-12-17
 NO. DATE REVISIONS
 1 08-11-23 BACK CHECK #1
 2 09-11-23 BACK CHECK #2



AGENCY APPROVAL
 DRAWN BY: [] CHECKED BY: [] DATE: 12.20.2023
 PROJECT NUMBER: []
 HCA # S221435-00

SHEET TITLE: MECHANICAL SCHEDULES
 SHEET NUMBER: M002

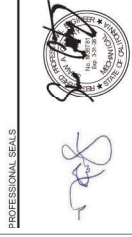


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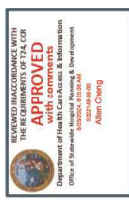
PROJECT:
ARROWHEAD REGIONAL MEDICAL CENTER
400 N. PEPPER AVE.
COLTON, CALIFORNIA 92324
HYBRID OPERATING ROOMS

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255 E. Rincon St., Suite 301
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Project Number: 120-12-17
NO. DATE REVISIONS
1 08-11-23 BACK CHECK #1
2 09-11-23 BACK CHECK #2



AGENCY APPROVAL



DRAWN BY: [NAME]
DATE: 12/20/2023

PROJECT NUMBER: 120-12-17
HCA# : S2214338-00

SHEET TITLE: MECHANICAL SCHEDULES

SHEET NUMBER

SOUND TRAP SCHEDULE table with columns for Equipment Tag, Manufacturer/Model, Length, Max Airflow, Max Velocity, Service, and Notes.

NOTE: 1. PROVIDE 20 G/GALZE GALVANIZED PREPARED UNDER WITH ACROBATIC GRADE GLASS FIBER MEDIA FILL AND TEMPERATURE MEDIA PROTECTION.

FILTER BANK SCHEDULE table with columns for Equipment Tag, Manufacturer/Model, Location, Max Airflow, Max Velocity, Filter Size, and Notes.

INTEGRATED MODULAR AIR FRAME (FOR REFERENCE ONLY) table with columns for Equipment Tag, Manufacturer/Model, Location, Max Airflow, Max Velocity, and Notes.

NOTE: 1. UNIT IS CUSTOM BUILT FULLY INTEGRATED MODULAR CEILING SYSTEM.

DIFFUSER REGISTER / GRILLE SCHEDULE table with columns for Equipment Tag, Manufacturer/Model, Neck Size, Type, Mounting, and Diffuser Size.

RETURN FAN SCHEDULE table with columns for Equipment Tag, Manufacturer/Model, Location, Area Served, Type, RPM, and Notes.

NOTE: 1. ALL FANS ARE TO BE SUPPLIED BY THE CONTRACTOR.
2. PROVIDE WITH VAV. SEE VAV SCHEDULE.
3. PROVIDE WITH 1/2" AIR FILTER.
4. PROVIDE LIFTING ISOLATOR. SEE ISOLATOR SCHEDULE FOR MORE INFORMATION.
5. PROVIDE WITH TOP MOUNTED MOTOR AND OPTIMAL MOTOR FOOTING.

NO.	DATE	REVISIONS
1	08-11-23	BACK CHECK #1
2	09-11-23	BACK CHECK #2



DRAWN BY: [Name] | CHECKED BY: [Name] | DATE: 12.20.2023

PROJECT NUMBER: [Number]
 HCAI # : S22114316-00

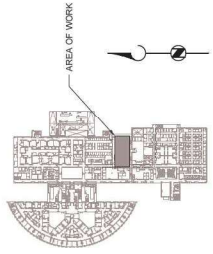
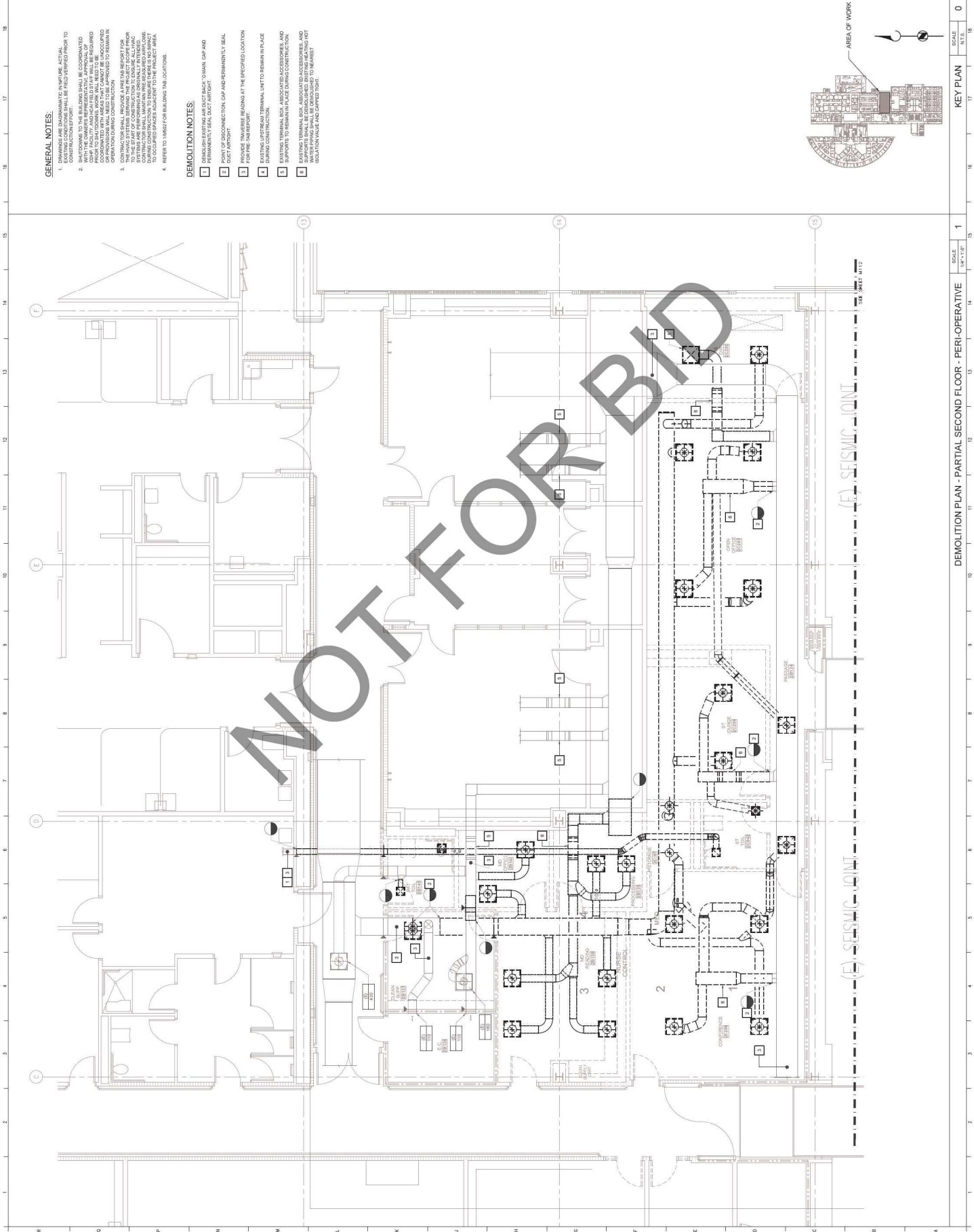
SHEET TITLE
DEMOLITION PLAN - PARTIAL SECOND FLOOR - PERI-OPERATIVE
 SHEET NUMBER

GENERAL NOTES:

1. DRAWINGS ARE DIAGNOSTIC IN NATURE. ACTUAL CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK.
2. SHIFTS DOWN TO THE BUILDING SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. ALL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. ALL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. ALL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
3. CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION REPORT TO THE STATE OF CALIFORNIA, COUNTY OF SAN DIEGO, AND THE CITY OF COLTON. THE REPORT SHALL INCLUDE THE FOLLOWING INFORMATION: A. DEMOLITION PLAN, INCLUDING ALL DEMOLITION AREAS AND SUPPORTS TO BE REMOVED. B. DEMOLITION METHODS TO BE USED. C. DEMOLITION SEQUENCE. D. DEMOLITION SCHEDULE. E. DEMOLITION SAFETY PLAN. F. DEMOLITION WASTE MANAGEMENT PLAN. G. DEMOLITION PERMITS AND APPROVALS. H. DEMOLITION INSURANCE COVERAGE. I. DEMOLITION CONTRACTOR INFORMATION. J. DEMOLITION CONTACT INFORMATION. K. DEMOLITION EMERGENCY CONTACT INFORMATION. L. DEMOLITION SITE ACCESS PLAN. M. DEMOLITION SITE SECURITY PLAN. N. DEMOLITION SITE MONITORING PLAN. O. DEMOLITION SITE RESTORATION PLAN. P. DEMOLITION SITE REUSE PLAN. Q. DEMOLITION SITE PHASE PLAN. R. DEMOLITION SITE PHASE SCHEDULE. S. DEMOLITION SITE PHASE SEQUENCE. T. DEMOLITION SITE PHASE DURATION. U. DEMOLITION SITE PHASE START DATE. V. DEMOLITION SITE PHASE END DATE. W. DEMOLITION SITE PHASE COMPLETION DATE. X. DEMOLITION SITE PHASE START TIME. Y. DEMOLITION SITE PHASE END TIME. Z. DEMOLITION SITE PHASE COMPLETION TIME.
4. REFER TO 156627 FOR BUILDING TAG LOCATIONS.

DEMOLITION NOTES:

1. DEMOLISH EXISTING AIR DUCT BACK TO MAIN CAP AND PERMANENTLY SEAL DUCT AIRTIGHT.
2. POINT OF DISCONNECTION, CAP AND PERMANENTLY SEAL DUCT AIRTIGHT.
3. PROVIDE TYPED REBAR READINGS AT THE SPECIFIED LOCATION. PROVIDE TYPED REBAR READINGS AT THE SPECIFIED LOCATION. PROVIDE TYPED REBAR READINGS AT THE SPECIFIED LOCATION.
4. EXISTING TERMINAL BOX, ASSOCIATED ACCESSORIES, AND SUPPORTS TO REMAIN IN PLACE DURING CONSTRUCTION.
5. EXISTING TERMINAL BOX, ASSOCIATED ACCESSORIES, AND SUPPORTS TO REMAIN IN PLACE DURING CONSTRUCTION.
6. EXISTING TERMINAL BOX, ASSOCIATED ACCESSORIES, AND SUPPORTS TO REMAIN IN PLACE DURING CONSTRUCTION.



KEY PLAN	SCALE	DATE	NO.
KEY PLAN	1/4" = 1'-0"	12/20/23	0

NO.	DATE	REVISIONS
1	08-11-23	BACK CHECK #1
2	09-11-23	BACK CHECK #2



DRAWN BY: [REDACTED]
 CHECKED BY: [REDACTED]
 DATE: 02.20.2023

PROJECT NUMBER: 120-12-17
 HCA # : S22714335-00

SHEET TITLE
DEMOLITION PLAN - PARTIAL SECOND FLOOR - HYBRIDIOR
 SHEET NUMBER

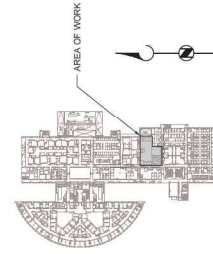
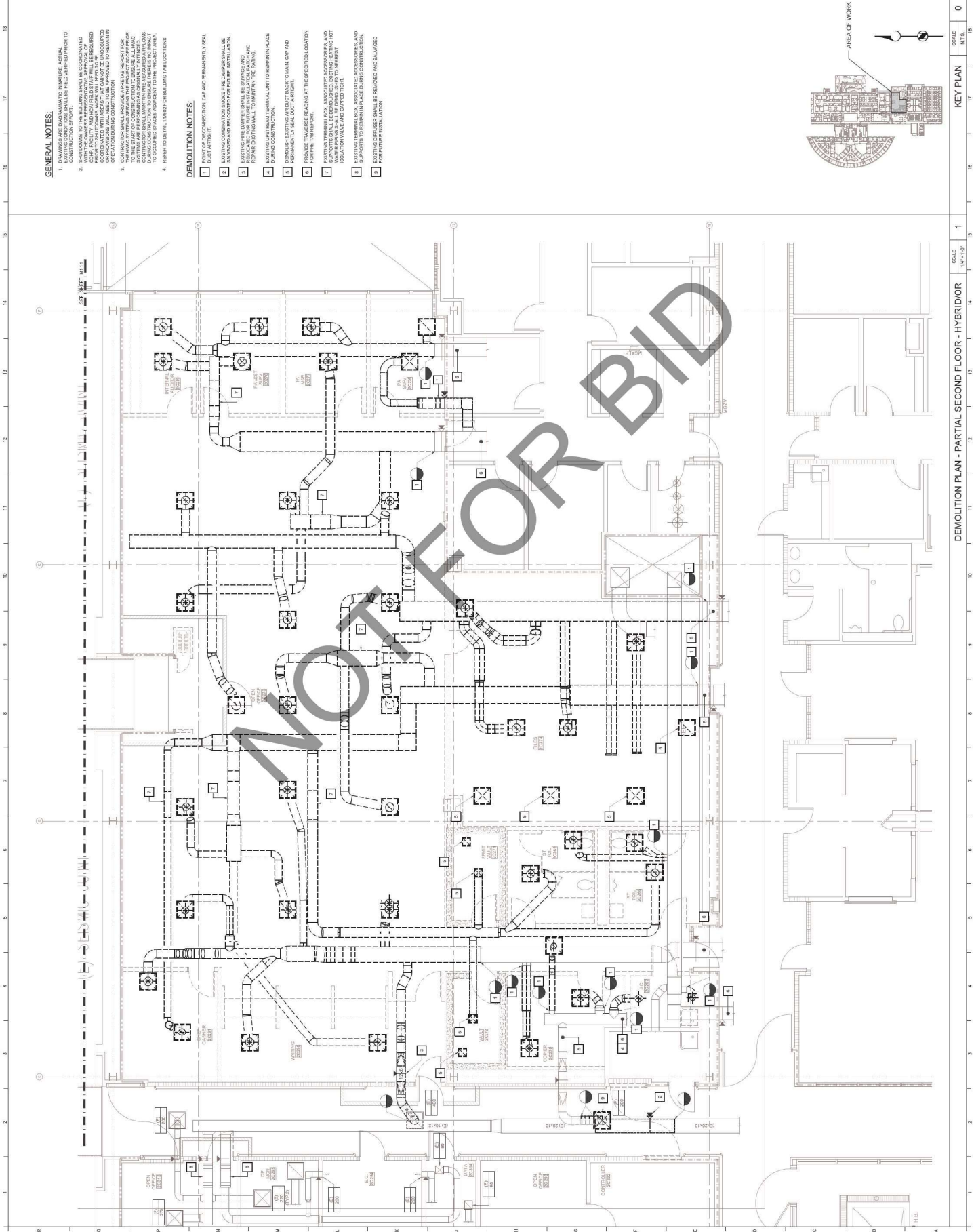
M112

GENERAL NOTES:

- DRAWINGS ARE DIAGNOSTIC IN NATURE. ACTUAL CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK.
- SHUT-DOWNS TO THE BUILDING SHALL BE COORDINATED WITH THE OPERATIONS DEPARTMENT. ALL SHUT-DOWNS SHALL BE COORDINATED WITH THE OPERATIONS DEPARTMENT. ALL SHUT-DOWNS SHALL BE COORDINATED WITH THE OPERATIONS DEPARTMENT. ALL SHUT-DOWNS SHALL BE COORDINATED WITH THE OPERATIONS DEPARTMENT.
- CONTRACTOR SHALL PROVIDE A PRELIMINARY REPORT FOR THE DEMOLITION WORK TO THE OPERATIONS DEPARTMENT. THE REPORT SHALL BE SUBMITTED TO THE OPERATIONS DEPARTMENT AT LEAST 14 DAYS PRIOR TO THE START OF DEMOLITION WORK. THE REPORT SHALL INCLUDE A DEMOLITION PLAN, A DEMOLITION SCHEDULE, AND A DEMOLITION LOG. THE DEMOLITION LOG SHALL BE MAINTAINED THROUGHOUT THE DEMOLITION PROCESS AND SHALL BE SUBMITTED TO THE OPERATIONS DEPARTMENT AT THE END OF EACH DAY OF WORK.
- REFER TO DETAIL LIBRARY FOR BUILDING TAIL LOCATIONS.

DEMOLITION NOTES:

- POINT OF DISCONNECTION, CAP AND PERMANENTLY SEAL DUCT AIRFLOW.
- EXISTING CONCRETE ABOVE FLOOR DAMPERS SHALL BE REMOVED AND RELOCATED FOR FUTURE INSTALLATION.
- EXISTING FIRE DAMPERS SHALL BE REMOVED AND REPAIR EXISTING WALL TO MAINTAIN FIRE RATING DURING CONSTRUCTION.
- EXISTING UPSTREAM TERMINAL UNIT TO REMAIN IN PLACE FOR FUTURE INSTALLATION.
- DEMOLISH EXISTING AIR EXHAUST, EXHAUST CAP AND PERMANENTLY SEAL LOCAL AIRFLOW.
- REMOVE EXISTING REFRIGERANT AT THE SPECIFIED LOCATION.
- EXISTING TERMINAL BOX, ASSOCIATED ACCESSORIES, AND SUPPORTS SHALL BE REMOVED. EXISTING REFRIGERANT ISOLATION SHALL BE REMOVED AND RELOCATED TO MAINTAIN REFRIGERANT ISOLATION VALUE AND CAPTURED TO AIR.
- EXISTING TERMINAL BOX, ASSOCIATED ACCESSORIES, AND SUPPORTS TO REMAIN IN PLACE DURING CONSTRUCTION.
- EXISTING OFFICER SHALL BE REMOVED AND SALVAGED FOR FUTURE INSTALLATION.



ARCHITECT

Savely Healthcare Architects
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PROJECT

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 COLTON, CALIFORNIA 92324

HYBRID OPERATING ROOMS



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 www.gossengineering.com

Project Number: 120-12-17

NO.	DATE	REVISIONS
1	08-11-23	BACK CHECK #1
2	09-11-23	BACK CHECK #2

PROFESSIONAL SEALS



AGENCY APPROVAL



DRAWN BY: [Signature] / DATE: 12.20.2023
 CEC: [Signature]

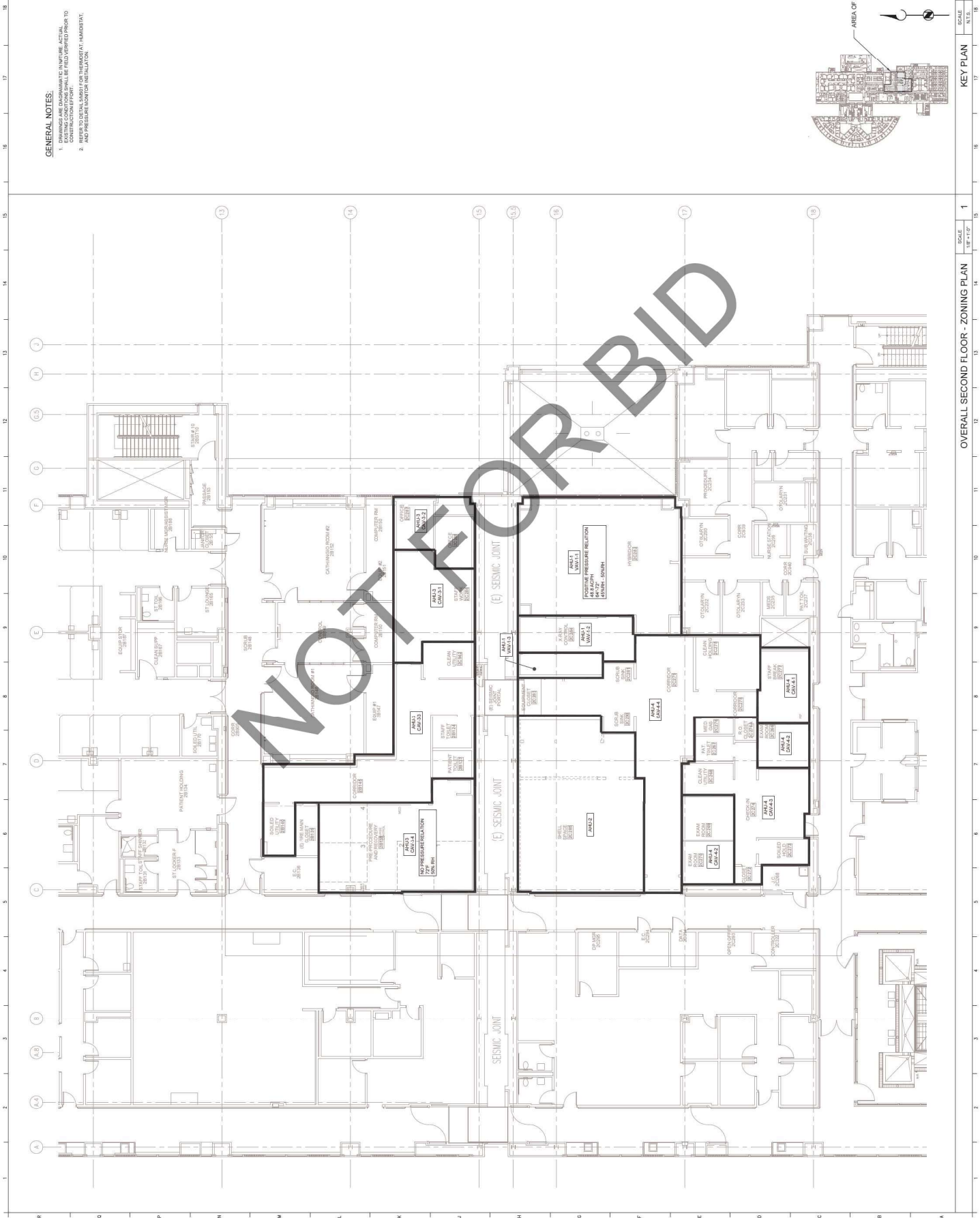
PROJECT NUMBER: 120-12-17
 SHEET NUMBER: 016
 HCAI #: S22114335-00

SHEET TITLE: **OVERALL SECOND FLOOR - ZONING PLAN**
 SHEET NUMBER: [Blank]

M123

GENERAL NOTES:

1. DRAWINGS ARE DIAGNOSTIC IN NATURE. ACTUAL CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK.
2. REFER TO DETAIL SCHEDULE FOR DIMENSIONS, MATERIALS, AND PRESERVE EXISTING INSTALLATION.



OVERALL SECOND FLOOR - ZONING PLAN

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

KEY PLAN

SCALE: N.T.S.

0

Project Number: 190-12-17

NO.	DATE	REVISIONS
1	08-1-2023	BACK CHECK #1
2	09-1-2023	BACK CHECK #2

PROFESSIONAL SEALS



AGENCY APPROVAL



DRAWN BY	BP	CHECKED BY / DATE	BP / 02/20/2023
PROJECT NUMBER	190-12-17	HCA #	S22714538-00

SHEET TITLE
MECHANICAL INSTALLATION PLAN - PARTIAL ROOF PLAN - FIRST FLOOR
 SHEET NUMBER
M130

SCALE
 1/4" = 1'-0"

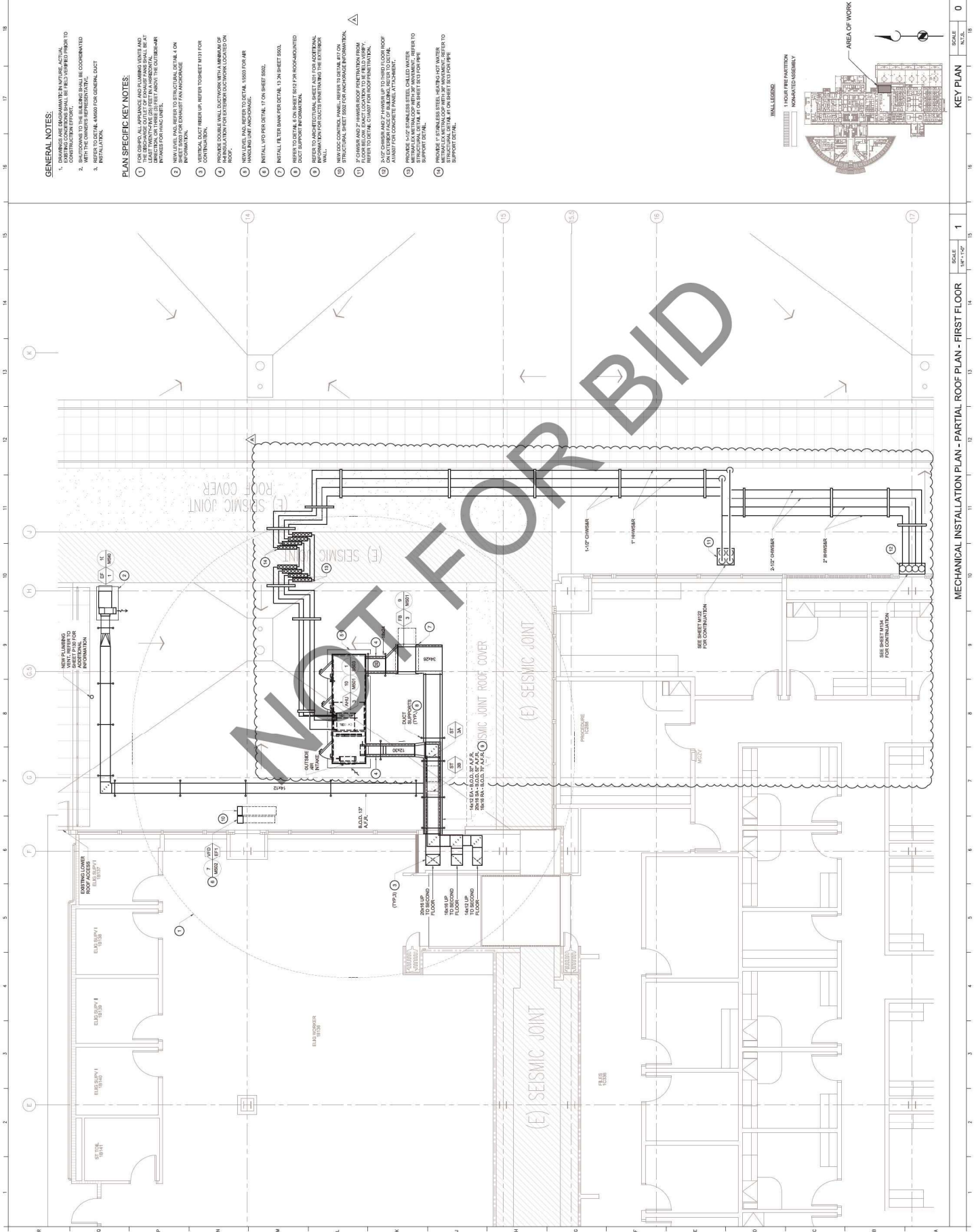
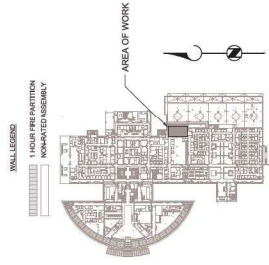
KEY PLAN
 1 0

GENERAL NOTES:

1. DRAWINGS ARE DIMENSIONED IN UNITS OF FEET AND INCHES. DIMENSIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS.
2. SHUTTINGS TO THE BUILDING SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS.
3. REFER TO LOCAL AGENCIES FOR GENERAL DUCT INSTALLATION.

PLAN SPECIFIC KEY NOTES:

1. FOR CHILLED WATER, ALL PIPING AND HANGING UNITS AND THE SUPPORTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL CODE (IMC). ALL PIPING SHALL BE INSTALLED ON THE INSIDE OF THE EXTERIOR WALL OR ON THE INSIDE OF THE ROOF.
2. VERTICAL DUCT RISER UP - REFER TO DETAIL 15003 FOR AIR CONTINUITY.
3. VERTICAL DUCT RISER DOWN - REFER TO DETAIL 15004 FOR AIR CONTINUITY.
4. HANGING UNITS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CMC AND IMC. HANGING UNITS SHALL BE INSTALLED ON THE INSIDE OF THE EXTERIOR WALL OR ON THE INSIDE OF THE ROOF.
5. HANGING UNITS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CMC AND IMC. HANGING UNITS SHALL BE INSTALLED ON THE INSIDE OF THE EXTERIOR WALL OR ON THE INSIDE OF THE ROOF.
6. INITIAL VFD REFER TO DETAIL 15003 FOR AIR CONTINUITY.
7. INITIAL FILTER BANK REFER TO DETAIL 15004 FOR AIR CONTINUITY.
8. REFER TO THE ARCHITECTURAL DRAWINGS FOR ROOM MOUNTED DUCT SUPPORT INFORMATION.
9. REFER TO ARCHITECTURAL SHEET 0501 FOR ADDITIONAL INFORMATION FOR DUCTS PENETRATING THE EXTERIOR WALL.
10. REFER TO ARCHITECTURAL SHEET 0501 FOR ADDITIONAL INFORMATION FOR DUCTS PENETRATING THE EXTERIOR WALL.
11. REFER TO ARCHITECTURAL SHEET 0501 FOR ADDITIONAL INFORMATION FOR DUCTS PENETRATING THE EXTERIOR WALL.
12. REFER TO ARCHITECTURAL SHEET 0501 FOR ADDITIONAL INFORMATION FOR DUCTS PENETRATING THE EXTERIOR WALL.
13. PROVIDE 1/2" STAINLESS STEEL COLLARED WATER TIGHT FITTING FOR CONCRETE PANEL ATTACHMENT.
14. PROVIDE 1/2" STAINLESS STEEL HEATING HOT WATER TIGHT FITTING FOR CONCRETE PANEL ATTACHMENT.
15. PROVIDE 1/2" STAINLESS STEEL HEATING HOT WATER TIGHT FITTING FOR CONCRETE PANEL ATTACHMENT.
16. PROVIDE 1/2" STAINLESS STEEL HEATING HOT WATER TIGHT FITTING FOR CONCRETE PANEL ATTACHMENT.



MECHANICAL INSTALLATION PLAN - PARTIAL ROOF PLAN - FIRST FLOOR

SCALE
 1/4" = 1'-0"

KEY PLAN
 1 0

NO.	DATE	REVISIONS
1	08-11-23	BACK CHECK #1
2	09-11-23	BACK CHECK #2



DRAWN BY: [] CHECKED BY: [] DATE: 02.20.2023
REP: []

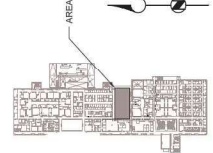
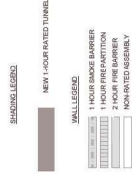
PROJECT NUMBER: 120-12-17
HCA # : S22214336-00

GENERAL NOTES:

1. DRAWINGS ARE DIAGNOSTIC IN NATURE. ACTUAL CONSTRUCTION BY OTHERS SHALL BE VERIFIED PRIOR TO START OF WORK.
2. SHUT DOORS TO THE BUILDING SHALL BE COORDINATED WITH THE ARCHITECT.
3. REFER TO DETAIL 14000 FOR FLEXIBLE INSTALLATION.
4. REFER TO DETAIL 14000 FOR GENERAL DUCT INSTALLATION.
5. REFER TO DETAIL 14000 FOR CONNECTION THROUGH ROOF PENETRATIONS.
6. REFER TO DETAIL 14000 FOR PENETRATION THROUGH NON-RATED ASSEMBLY INSTALLATION.
7. REFER TO DETAIL 14000 FOR DUCT HANGER SIZE.
8. REFER TO DETAIL 14000 FOR ON-BEAM HANGERS FOR DUCT HANGERS.
9. HANGERS TO BE INSTALLED THROUGH ON-BEAM HANGERS FOR DUCT HANGERS.

PLAN SPECIFIC KEY NOTES:

1. DUCT UNRATED HANGERS SHALL BE PROVIDED AT MINIMUM 8 FEET ON CENTER.
2. INTERIOR LINES DOWNSTREAM OF HANGERS.
3. VERTICAL DUCT RISER FROM BELOW REFERS TO SHEET 14000 FOR CONNECTION.
4. NOT USED.
5. PROVIDE ALL WORK AS SHOWN UNLESS OTHERWISE NOTED. COORDINATE WITH ALL TRADES AND LOCAL AGENCIES TO OBTAIN PERMITS FOR INSTALLATION.
6. METAL HANGERS PER DETAIL 14 ON SHEET 0911.
7. BALANCE AND PERFORMANCE SHALL BE TO THE AIR VALUE RECORDED DURING THE PRE-TASK REPORT. HADOPY THE SYSTEM TO BE ACCURATELY AS RECORDED.



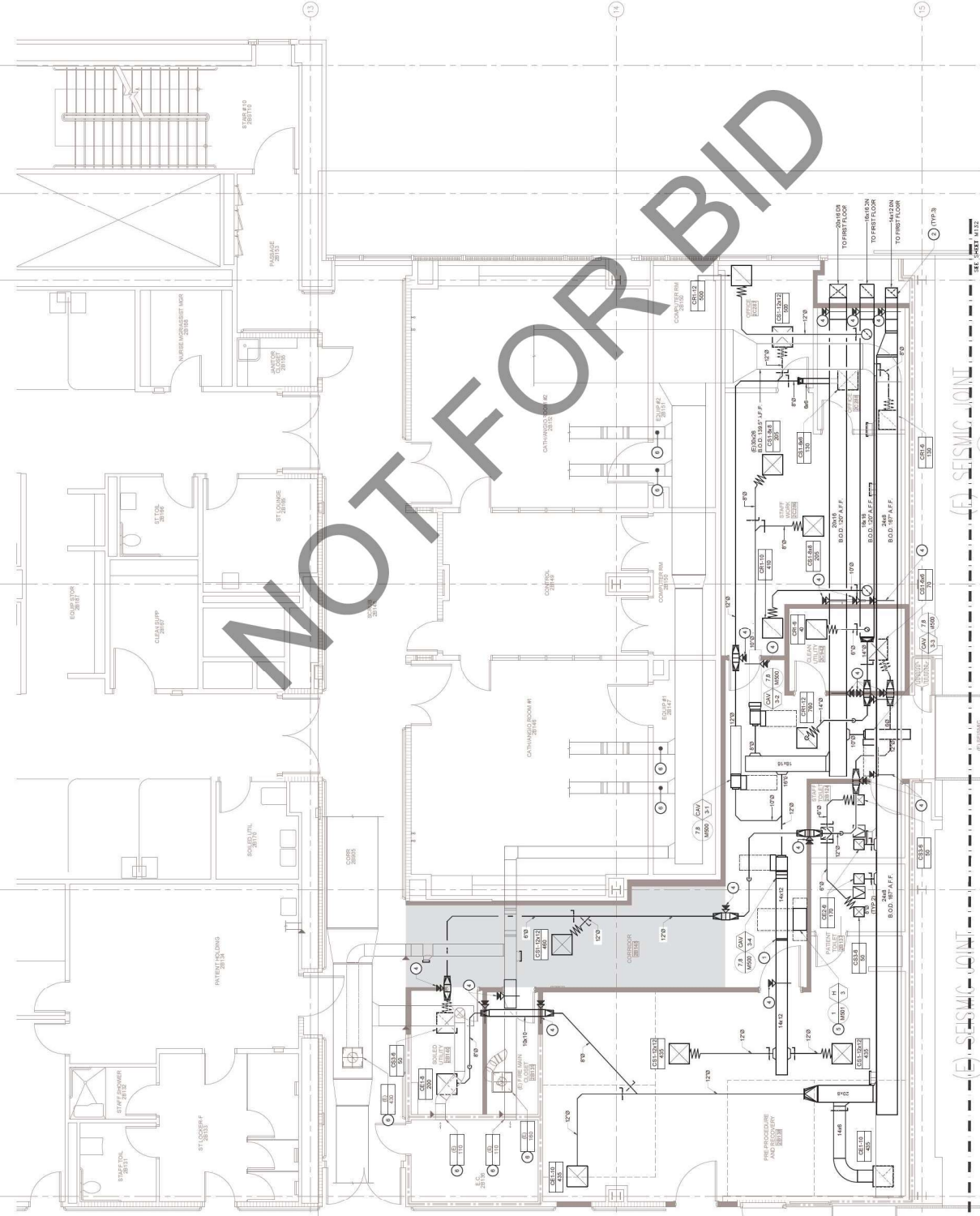
SCALE	N.T.S.
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INSTALLATION PLAN - PARTIAL SECOND FLOOR - PERI-OPERATIVE

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

SHEET M131

NOT FOR BID



NO.	DATE	REVISIONS
1	08-11-23	BACK CHECK #1
A	09-11-23	BACK CHECK #2
B	09-08-24	BACK CHECK #3
C	09-19-24	BACK CHECK #4

PROFESSIONAL SEALS



AGENCY APPROVAL



DRAWN BY: C
CHECKED BY: DATE: 12.20.2023
APP: BP

PROJECT NUMBER: 120-121-17
SHEET NUMBER: 0208
HCA # : S22714316-00

SHEET TITLE
MECHANICAL INSTALLATION PLAN - PARTIAL SECOND FLOOR - HYBRID/OR
SHEET NUMBER

M132

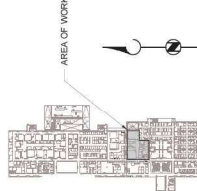
GENERAL NOTES:

- DRAWINGS ARE DIAGNOSTIC IN NATURE. ACTUAL CONSTRUCTION BY OTHERS SHALL BE VERIFIED PRIOR TO START OF WORK.
- SHUT DOOWNS TO THE BUILDING SHALL BE COORDINATED WITH THE OWNER AND ALL NEIGHBORING BUILDINGS.
- REFER TO DETAIL LAMPS FOR REFRIGERANT INSTALLATION.
- REFER TO DETAIL LAMPS FOR GENERAL DUCT INSTALLATION.
- NON-RETURN VALVE SHALL BE INSTALLED THROUGH THE ROOF.
- REFER TO DETAIL LAMPS FOR PENETRATION THROUGH ROOF.
- REFER TO DETAIL LAMPS FOR PENETRATION THROUGH ROOF.
- REFER TO DETAIL LAMPS FOR PENETRATION THROUGH ROOF.
- REFER TO DETAIL LAMPS FOR PENETRATION THROUGH ROOF.
- REFER TO DETAIL LAMPS FOR PENETRATION THROUGH ROOF.

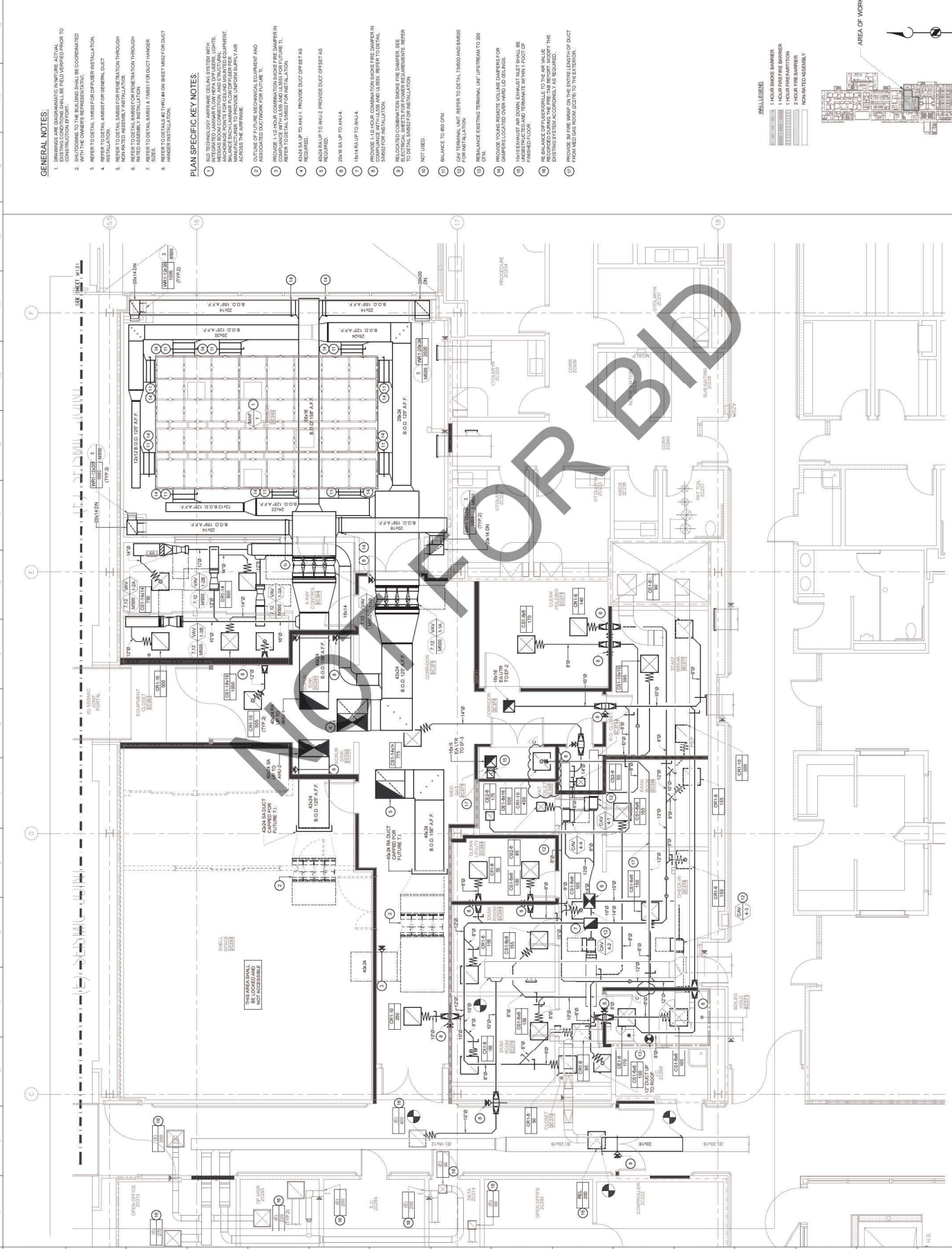
PLAN SPECIFIC KEY NOTES:

1. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE AND THE INTERNATIONAL MECHANICAL CODE. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE AND THE INTERNATIONAL MECHANICAL CODE.
2. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE AND THE INTERNATIONAL MECHANICAL CODE.
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15. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE AND THE INTERNATIONAL MECHANICAL CODE.
16. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE AND THE INTERNATIONAL MECHANICAL CODE.
17. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE AND THE INTERNATIONAL MECHANICAL CODE.
18. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE AND THE INTERNATIONAL MECHANICAL CODE.
19. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE AND THE INTERNATIONAL MECHANICAL CODE.
20. ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE AND THE INTERNATIONAL MECHANICAL CODE.

- FIRE RATED ASSEMBLY**
- 1 HOUR SMOKE BARRIER
 - 1 HOUR FIRE BARRIER
 - 2 HOUR FIRE BARRIER
 - NON RATED ASSEMBLY



KEY PLAN SCALE: 1/8" = 1'-0"



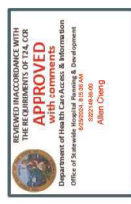
INSTALLATION PLAN - PARTIAL SECOND FLOOR - HYBRID/OR SCALE: 1/8" = 1'-0"

KEY PLAN SCALE: 1/8" = 1'-0"

NO.	DATE	REVISIONS
1	08-11-23	BACK CHECK #1
2	09-11-23	BACK CHECK #2
3	05-08-24	BACK CHECK #3



Alan Cheng



DRAWN BY: [Name] / DATE: 12/20/2023
 CHECKED BY: [Name]

PROJECT NUMBER: 120-121-17
 SHEET NUMBER: M134
 HCA # : S22114335-00

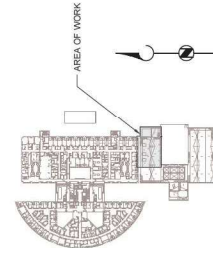
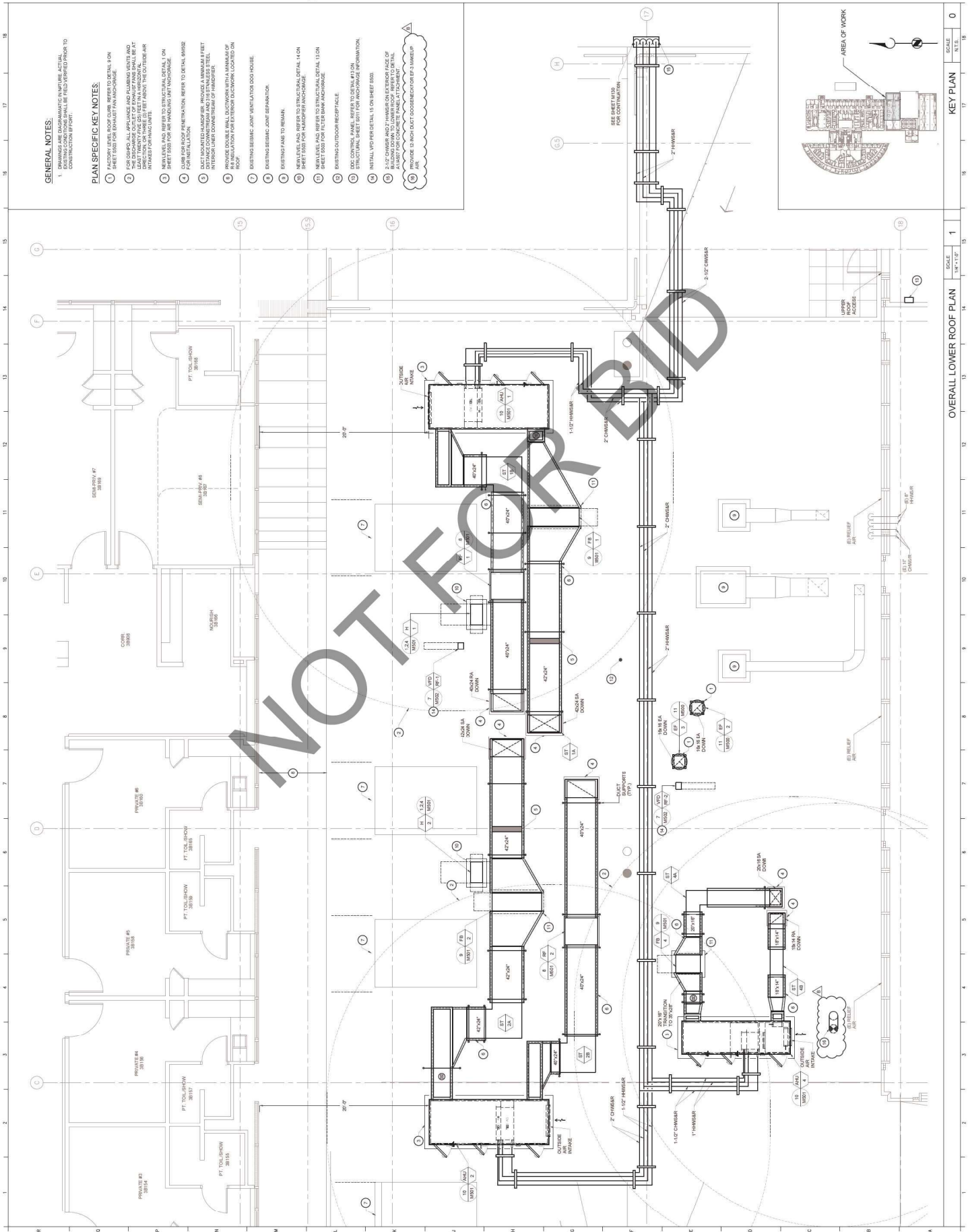
SHEET TITLE: OVERALL ROOF PLAN - THIRD FLOOR
 SHEET NUMBER: M134

GENERAL NOTES:

1. DRAWINGS ARE DIAGNOSTIC IN NATURE. ACTUAL CONSTRUCTION SHALL BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK.

PLAN SPECIFIC KEY NOTES:

1. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL EXHAUST CODE (IMEC).
2. FOR DAMPERS, ALL AIRWAYS AND DAMPERS SHALL BE THE EQUIVALENT QUALITY OF EXHAUST FANS SHALL BE AT THE EXHAUST FAN MANUFACTURER'S RECOMMENDED OPERATING POINT.
3. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL EXHAUST CODE (IMEC).
4. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL EXHAUST CODE (IMEC).
5. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL EXHAUST CODE (IMEC).
6. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL EXHAUST CODE (IMEC).
7. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL EXHAUST CODE (IMEC).
8. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL EXHAUST CODE (IMEC).
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19. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL EXHAUST CODE (IMEC).
20. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE (CMC) AND THE INTERNATIONAL MECHANICAL EXHAUST CODE (IMEC).



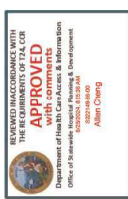
KEY PLAN	SCALE	1	0
OVERALL LOWER ROOF PLAN	1/4" = 1'-0"		

NO.	DATE	REVISIONS
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2	09-11-23	BACK CHECK #2

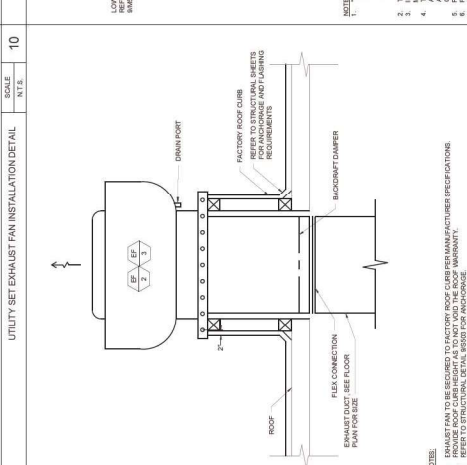
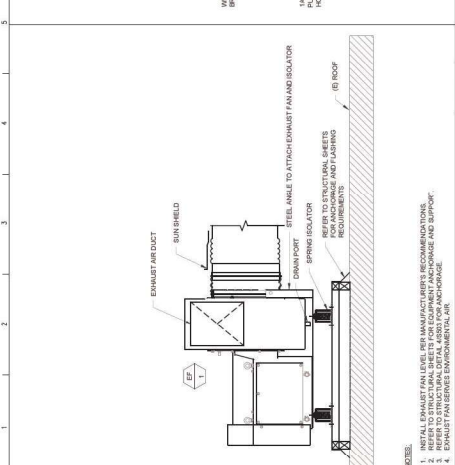
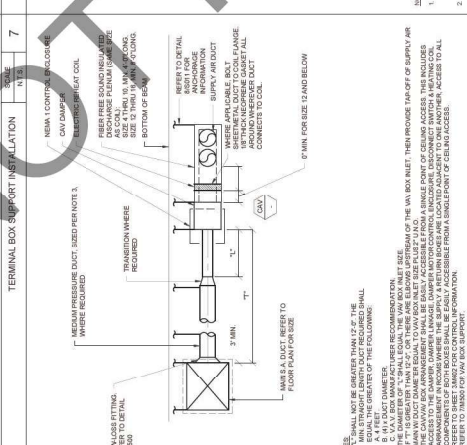
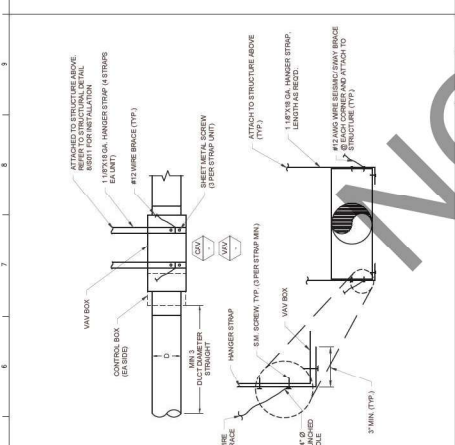
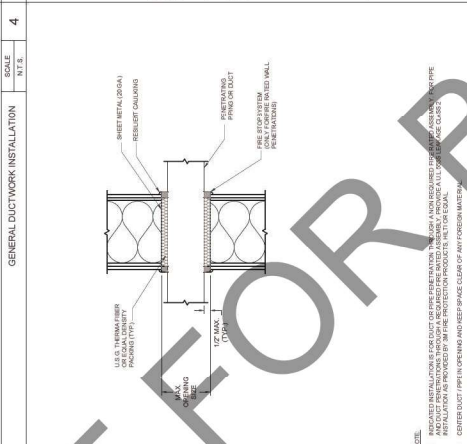
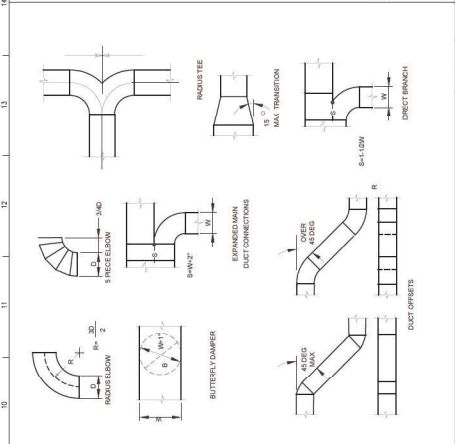
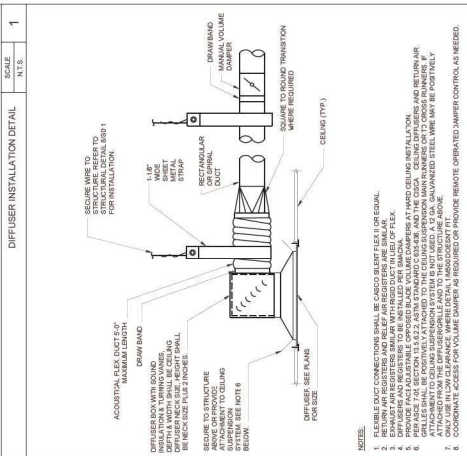
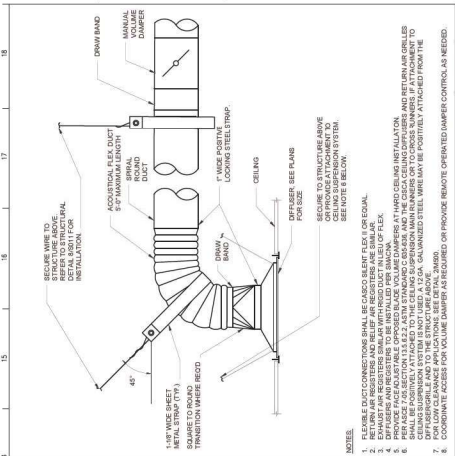
PROFESSIONAL SEALS



AGENCY APPROVAL

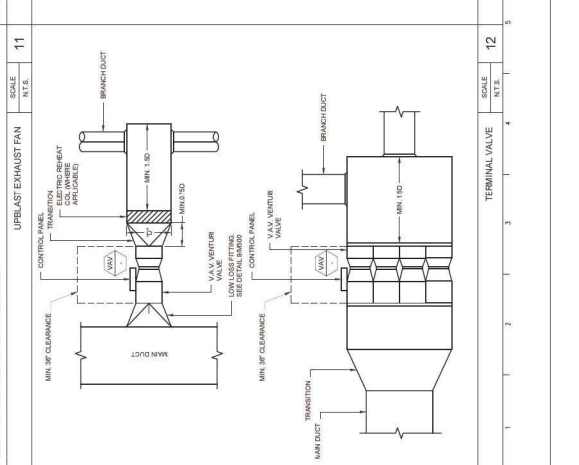
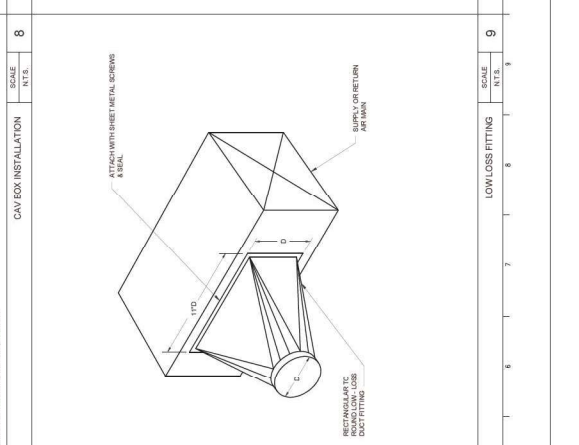
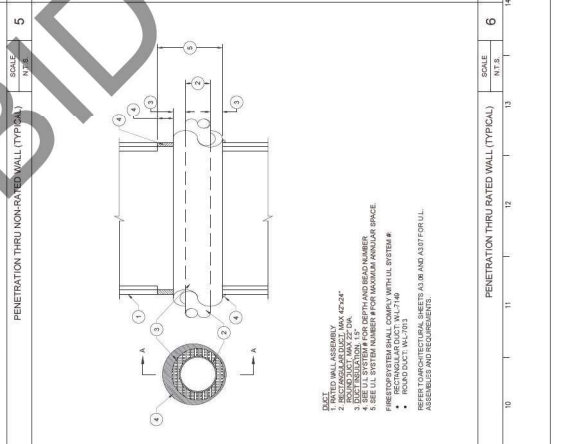
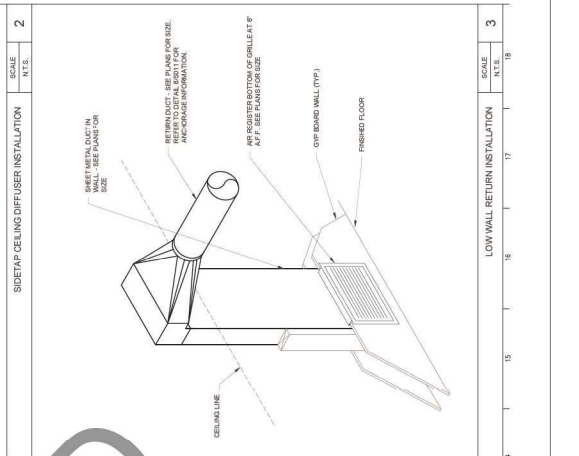


DRAWN BY	BP	CHECKED BY	DATE
PROJECT NUMBER	120-12-17	DATE	12.20.2023
HCA #	S2214935-00		
SHEET NUMBER			
SHEET TITLE	MECHANICAL DETAILS		
SHEET NUMBER	M500		



NOTES:
 1. INITIAL EXHAUST FAN LEVEL PER MANUFACTURER'S RECOMMENDATIONS.
 2. REFER TO STRUCTURAL DETAIL FOR HANGING AND SUPPORT.
 3. EXHAUST FAN SHALL BE SECURED TO FACTORY ROOF CURB PER MANUFACTURER'S SPECIFICATIONS.
 4. REFER TO STRUCTURAL DETAIL FOR ANCHORAGE.

NOTES:
 1. EXHAUST FAN TO BE SECURED TO FACTORY ROOF CURB PER MANUFACTURER'S SPECIFICATIONS.
 2. REFER TO STRUCTURAL DETAIL FOR ANCHORAGE.
 3. EXHAUST FAN SHALL BE SECURED TO FACTORY ROOF CURB PER MANUFACTURER'S SPECIFICATIONS.
 4. REFER TO STRUCTURAL DETAIL FOR ANCHORAGE.



NOTES:
 1. INITIAL EXHAUST FAN LEVEL PER MANUFACTURER'S RECOMMENDATIONS.
 2. REFER TO STRUCTURAL DETAIL FOR HANGING AND SUPPORT.
 3. EXHAUST FAN SHALL BE SECURED TO FACTORY ROOF CURB PER MANUFACTURER'S SPECIFICATIONS.
 4. REFER TO STRUCTURAL DETAIL FOR ANCHORAGE.

NO.	DATE	REVISIONS
1	08-11-23	BACK CHECK #1
2	09-11-23	BACK CHECK #2

PROFESSIONAL SEALS



AGENCY APPROVAL



DRAWN BY: [Name] | CHECKED BY: DATE: 12.20.2023

PROJECT NUMBER: [Number] | HCA # S222140336-00

SHEET TITLE: MECHANICAL DETAILS

SHEET NUMBER: M501

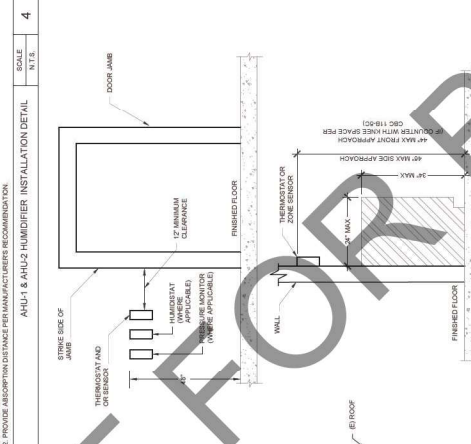
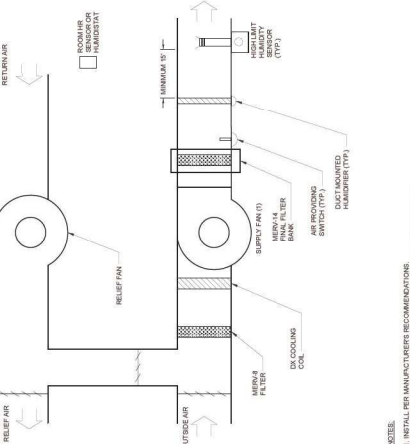
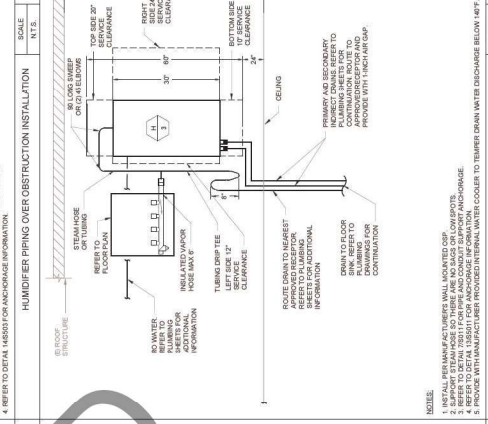
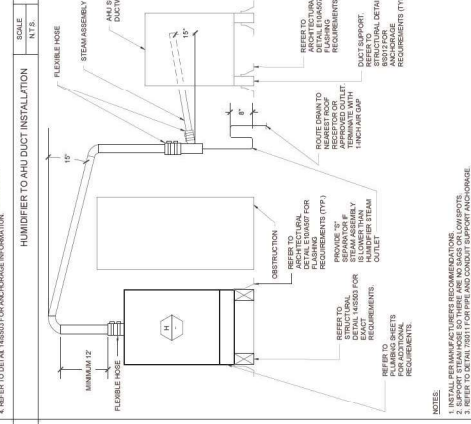
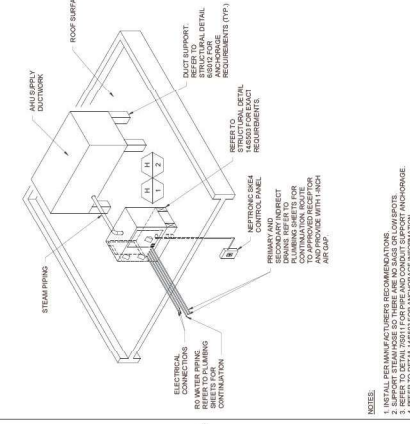


TABLE 4.2: MINIMUM HANGER SIZE FOR ROUND DUCT

DUCT DIA.	MINIMUM SPACING	WIRE DIA.	ROD DIA.	WIRE DIA.	ROD DIA.
12" - 14"	3/8"	ONE 1/8" DIA. OR ONE 3/16" DIA.	1/4"	ONE 1/8" DIA. OR ONE 3/16" DIA.	3/8"
14" - 16"	1/2"	TWO 1/8" DIA. OR ONE 3/16" DIA.	1/4"	ONE 1/8" DIA. OR ONE 3/16" DIA.	3/8"
16" - 18"	3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	1/4"	ONE 1/8" DIA. OR ONE 3/16" DIA.	3/8"
18" - 20"	1"	ONE 1/4" DIA. OR ONE 3/16" DIA.	1/4"	ONE 1/8" DIA. OR ONE 3/16" DIA.	3/8"
20" - 22"	1 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
22" - 24"	1 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
24" - 26"	1 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
26" - 28"	2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
28" - 30"	2 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
30" - 32"	2 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
32" - 34"	2 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
34" - 36"	3"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
36" - 38"	3 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
38" - 40"	3 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
40" - 42"	3 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
42" - 44"	4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
44" - 46"	4 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
46" - 48"	4 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
48" - 50"	4 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
50" - 52"	5"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
52" - 54"	5 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
54" - 56"	5 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
56" - 58"	5 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
58" - 60"	6"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"

NOTE:
1. WIRING SHALL BE GALVANIZED STEEL. WIRE IS UNCOATED OR GALVANIZED STEEL. WIRE IS BLACK ANNEALED, BRIGHT BARE, OR GALVANIZED STEEL. WIRE IS UNCOATED OR GALVANIZED STEEL. WIRE IS BLACK ANNEALED, BRIGHT BARE, OR GALVANIZED STEEL.
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11. REFER TO DETAIL 10009 FOR CONDENSATE REMOVAL.
12. REFER TO DETAIL 10010 FOR CONDENSATE REMOVAL.

TABLE 4.1: MINIMUM SIZES FOR RECTANGULAR DUCT HANGERS

MAXIMUM HANGING POINT SPACING	PAIR AT 1 FT SPACING		PAIR AT 2 FT SPACING		PAIR AT 4 FT SPACING	
	WIRE (ROD)	STRAP	WIRE (ROD)	STRAP	WIRE (ROD)	STRAP
10 GA. (1.35")	10 GA. (1.35")	10 GA. (1.35")	10 GA. (1.35")	10 GA. (1.35")	10 GA. (1.35")	10 GA. (1.35")
12 GA. (1.57")	12 GA. (1.57")	12 GA. (1.57")	12 GA. (1.57")	12 GA. (1.57")	12 GA. (1.57")	12 GA. (1.57")
14 GA. (1.78")	14 GA. (1.78")	14 GA. (1.78")	14 GA. (1.78")	14 GA. (1.78")	14 GA. (1.78")	14 GA. (1.78")
16 GA. (2.00")	16 GA. (2.00")	16 GA. (2.00")	16 GA. (2.00")	16 GA. (2.00")	16 GA. (2.00")	16 GA. (2.00")
18 GA. (2.25")	18 GA. (2.25")	18 GA. (2.25")	18 GA. (2.25")	18 GA. (2.25")	18 GA. (2.25")	18 GA. (2.25")
20 GA. (2.50")	20 GA. (2.50")	20 GA. (2.50")	20 GA. (2.50")	20 GA. (2.50")	20 GA. (2.50")	20 GA. (2.50")
22 GA. (2.75")	22 GA. (2.75")	22 GA. (2.75")	22 GA. (2.75")	22 GA. (2.75")	22 GA. (2.75")	22 GA. (2.75")
24 GA. (3.00")	24 GA. (3.00")	24 GA. (3.00")	24 GA. (3.00")	24 GA. (3.00")	24 GA. (3.00")	24 GA. (3.00")
26 GA. (3.25")	26 GA. (3.25")	26 GA. (3.25")	26 GA. (3.25")	26 GA. (3.25")	26 GA. (3.25")	26 GA. (3.25")
28 GA. (3.50")	28 GA. (3.50")	28 GA. (3.50")	28 GA. (3.50")	28 GA. (3.50")	28 GA. (3.50")	28 GA. (3.50")
30 GA. (3.75")	30 GA. (3.75")	30 GA. (3.75")	30 GA. (3.75")	30 GA. (3.75")	30 GA. (3.75")	30 GA. (3.75")
32 GA. (4.00")	32 GA. (4.00")	32 GA. (4.00")	32 GA. (4.00")	32 GA. (4.00")	32 GA. (4.00")	32 GA. (4.00")

NOTE:
1. WIRE STRAPS ARE SPACED 12" ON CENTER.
2. STRAP SPACING IS 12" ON CENTER UNLESS OTHERWISE NOTED.
3. WIRE STRAPS ARE SPACED 12" ON CENTER UNLESS OTHERWISE NOTED.
4. WIRE STRAPS ARE SPACED 12" ON CENTER UNLESS OTHERWISE NOTED.
5. WIRE STRAPS ARE SPACED 12" ON CENTER UNLESS OTHERWISE NOTED.
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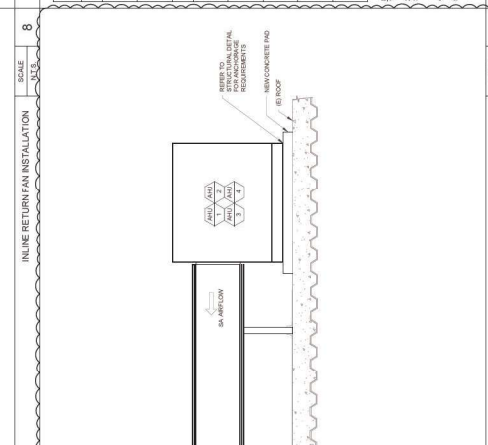
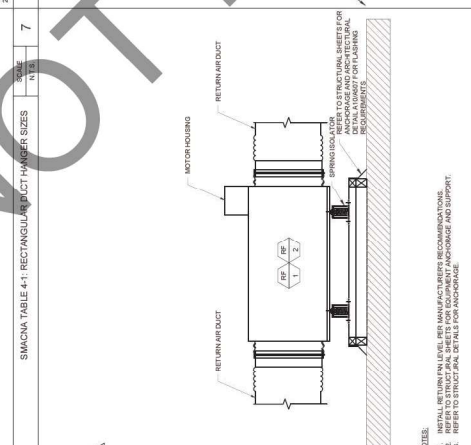
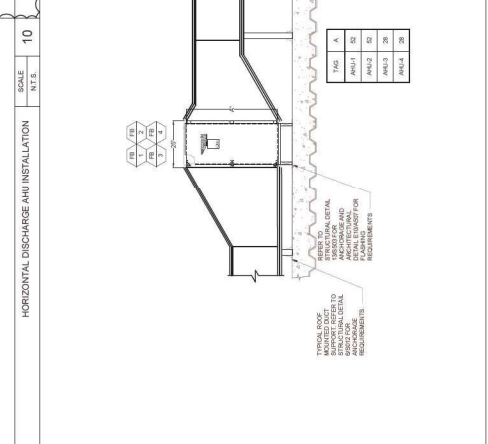
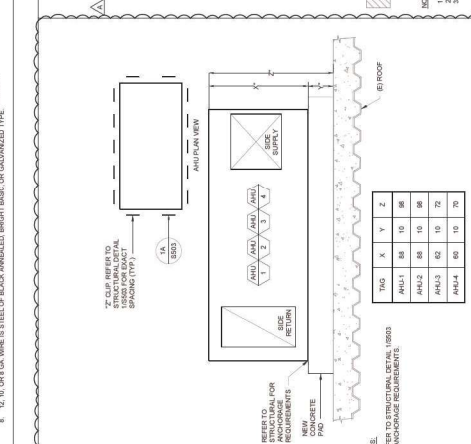


TABLE 4.2: MINIMUM HANGER SIZE FOR ROUND DUCT

DUCT DIA.	MINIMUM SPACING	WIRE DIA.	ROD DIA.	WIRE DIA.	ROD DIA.
12" - 14"	3/8"	ONE 1/8" DIA. OR ONE 3/16" DIA.	1/4"	ONE 1/8" DIA. OR ONE 3/16" DIA.	3/8"
14" - 16"	1/2"	TWO 1/8" DIA. OR ONE 3/16" DIA.	1/4"	ONE 1/8" DIA. OR ONE 3/16" DIA.	3/8"
16" - 18"	3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	1/4"	ONE 1/8" DIA. OR ONE 3/16" DIA.	3/8"
18" - 20"	1"	ONE 1/4" DIA. OR ONE 3/16" DIA.	1/4"	ONE 1/8" DIA. OR ONE 3/16" DIA.	3/8"
20" - 22"	1 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
22" - 24"	1 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
24" - 26"	1 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
26" - 28"	2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
28" - 30"	2 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
30" - 32"	2 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
32" - 34"	2 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
34" - 36"	3"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
36" - 38"	3 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
38" - 40"	3 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
40" - 42"	3 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
42" - 44"	4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
44" - 46"	4 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
46" - 48"	4 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
48" - 50"	4 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
50" - 52"	5"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
52" - 54"	5 1/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
54" - 56"	5 1/2"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
56" - 58"	5 3/4"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"
58" - 60"	6"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"	ONE 1/4" DIA. OR ONE 3/16" DIA.	3/8"

NOTE:
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NO.	DATE	REVISIONS
1	08-11-23	BACK CHECK #1
2	09-11-23	BACK CHECK #2
3	05-08-24	BACK CHECK #3

PROFESSIONAL SEALS



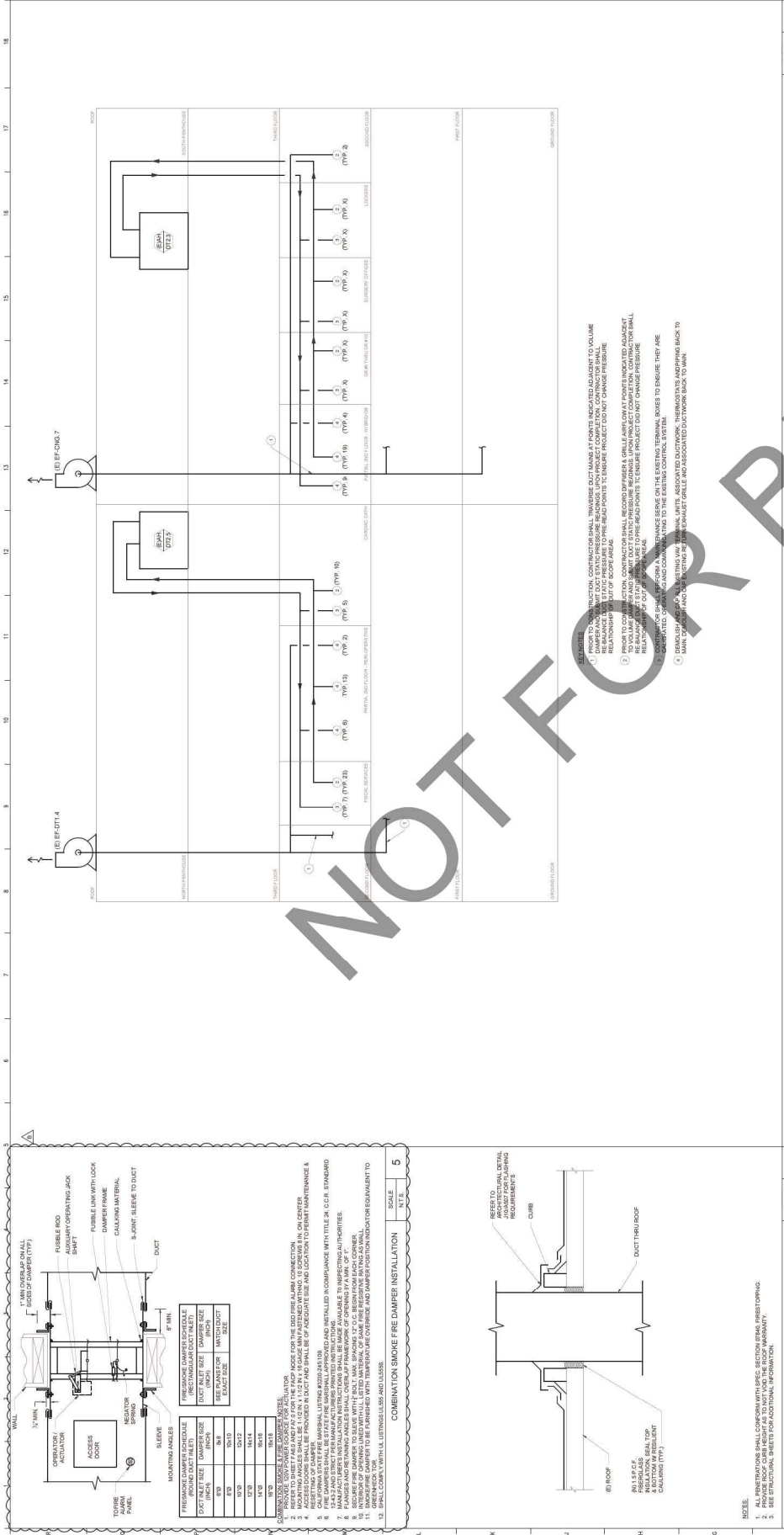
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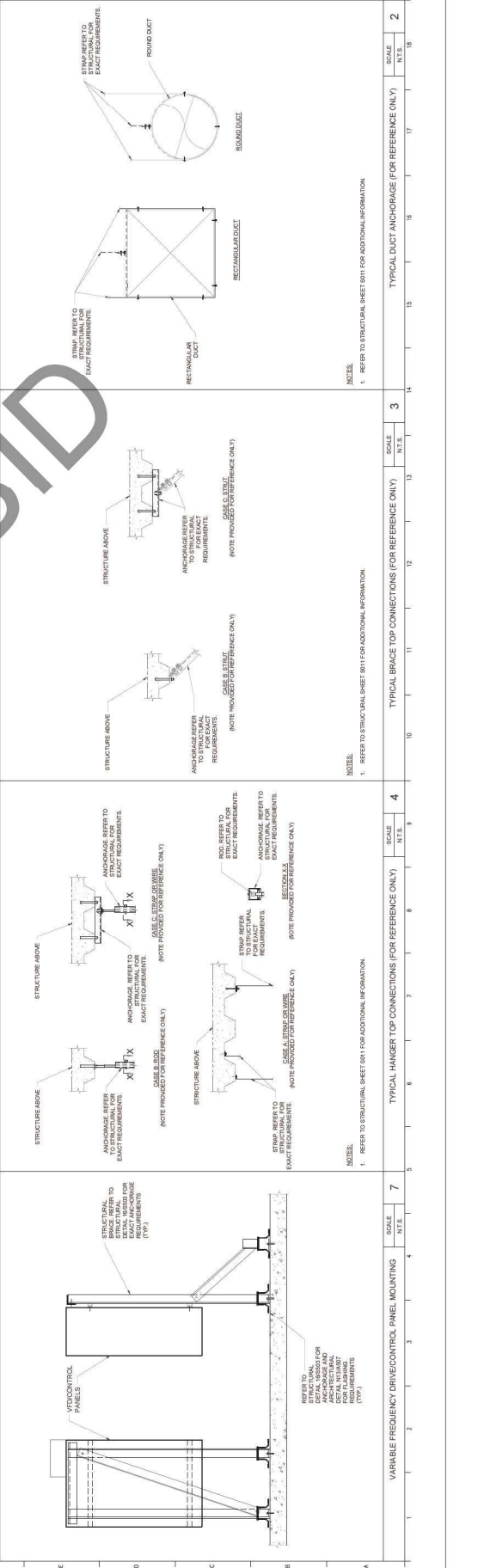
DRAWN BY: [] CHECKED BY: [] DATE: 12.20.2023
 SHEET NUMBER: [] OF []
 PROJECT NUMBER: []
 HCA # S22144336-00

SHEET TITLE: MECHANICAL DETAILS

SHEET NUMBER



BUILDING TAB REPORT LOCATIONS



COMBINATION SMOKE FIRE DAMPER INSTALLATION

NOTES:

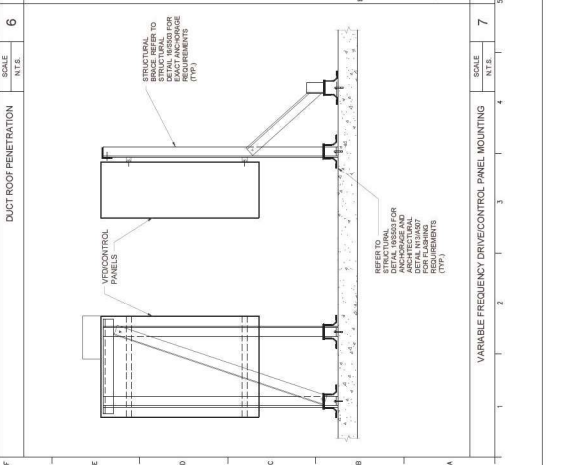
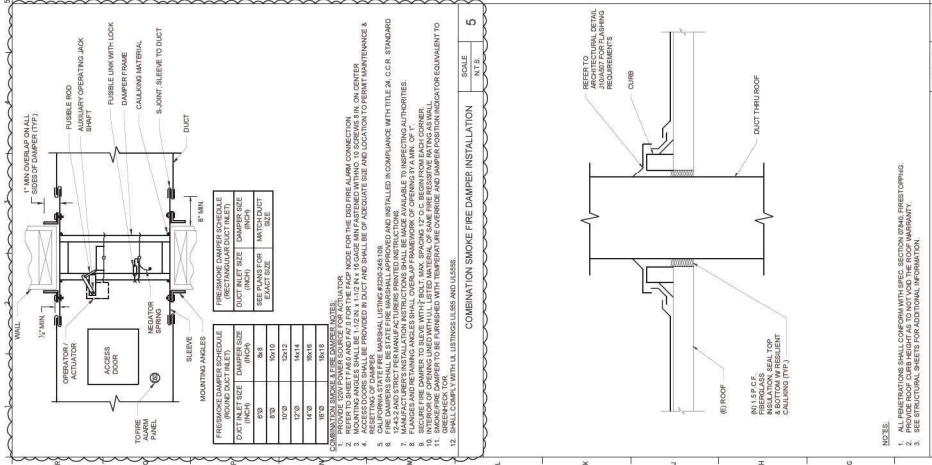
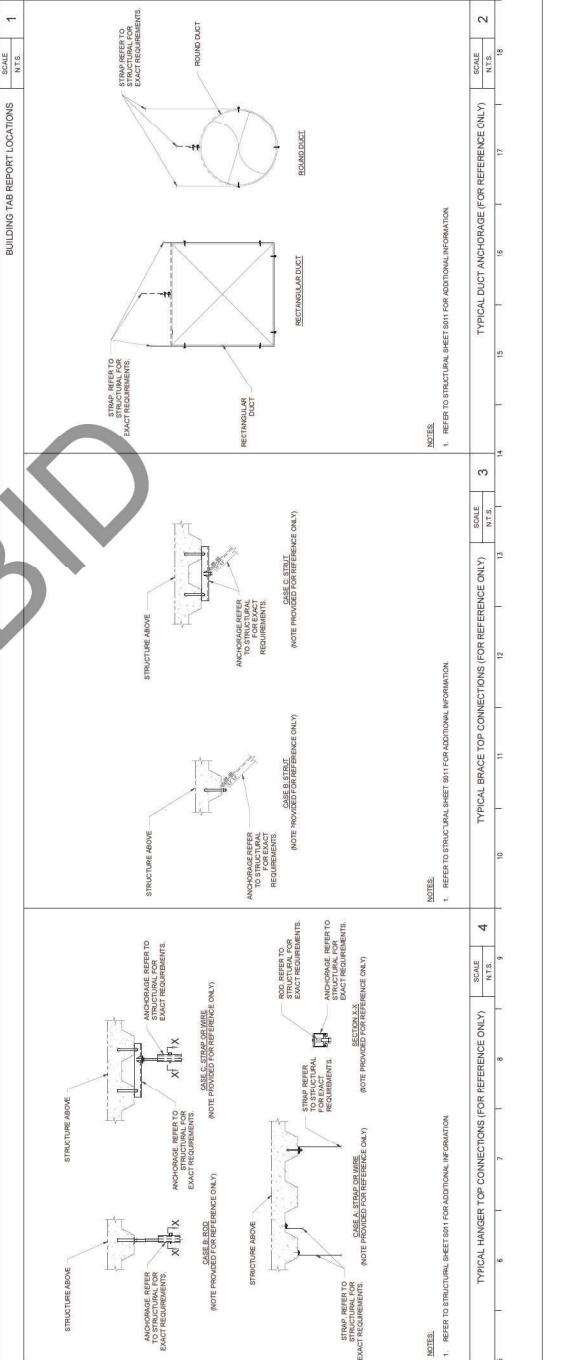
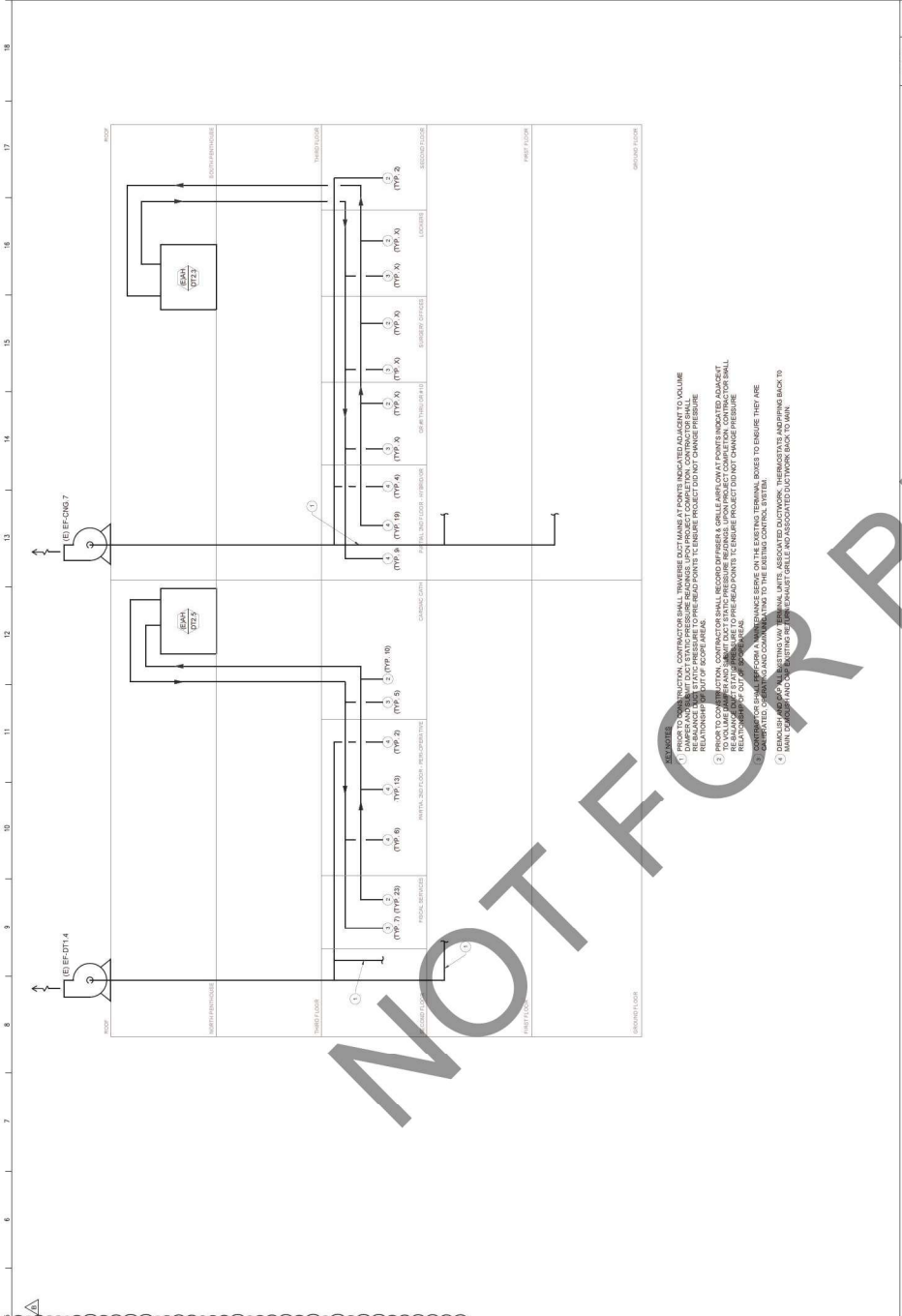
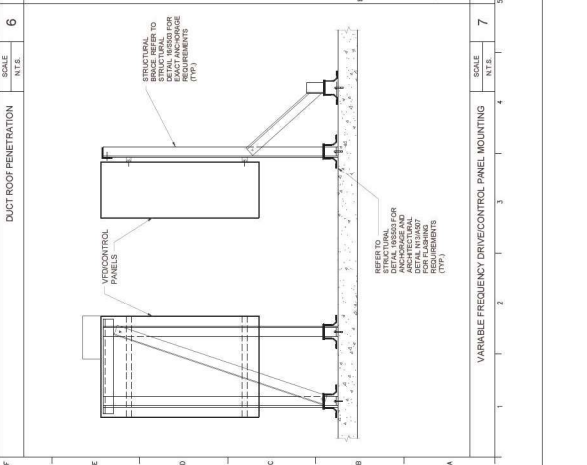
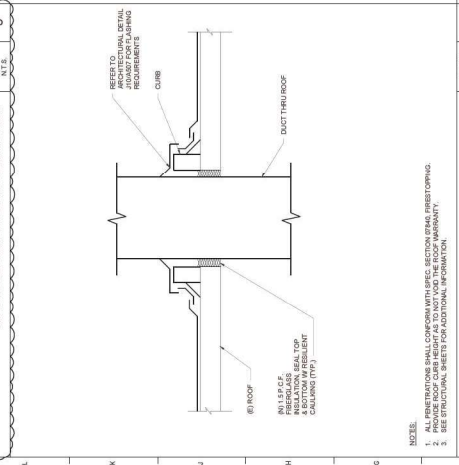
- ALL PENETRATIONS SHALL COMPLY WITH THE SECTION AREA RELEVANT TO THE PENETRATION.
- SEE STRUCTURAL SHEET FOR ADDITIONAL INFORMATION.

FREQUENCY DAMPER SCHEDULE

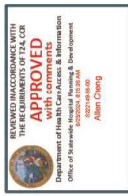
SIZE (INCH)	TYPE	OPERATING JACK	ACCESS DOOR	REGULATOR	WINDOUT
8"	8"	8"	8"	8"	8"
10"	10"	10"	10"	10"	10"
12"	12"	12"	12"	12"	12"
14"	14"	14"	14"	14"	14"
16"	16"	16"	16"	16"	16"

COMBINATION SMOKE FIRE DAMPER NOTES:

- PROVIDE COMPLETE SCHEDULE FOR EACH TYPE.
- INSTALLATION SHALL BE IN ACCORDANCE WITH THE SCHEDULE AND THE SCHEDULE SHALL BE IN ACCORDANCE WITH THE SCHEDULE.
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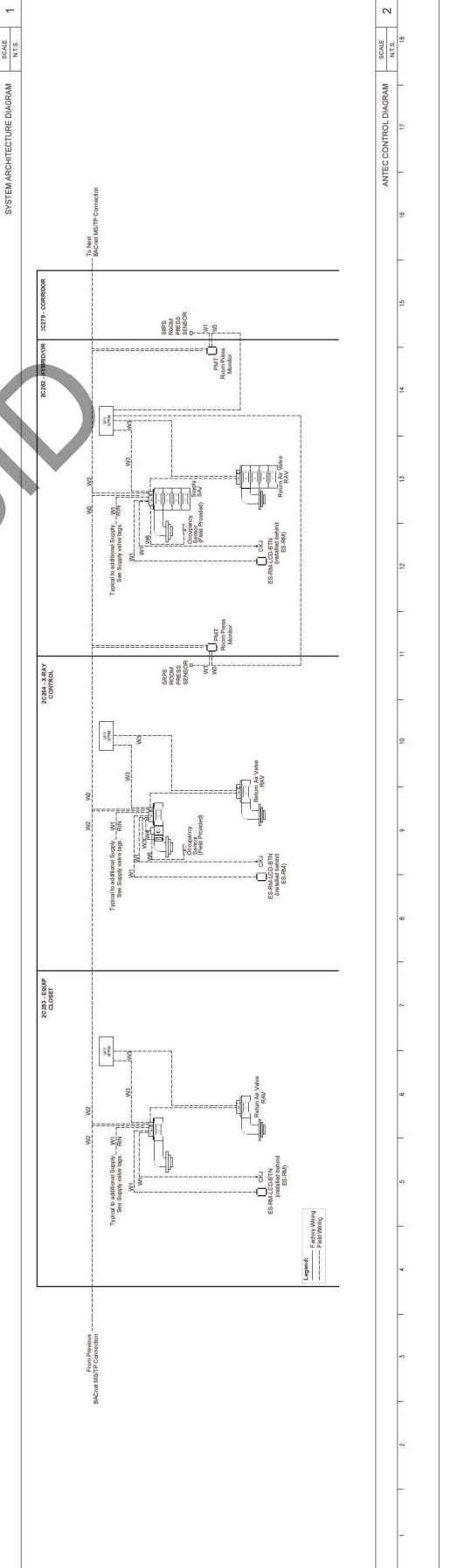
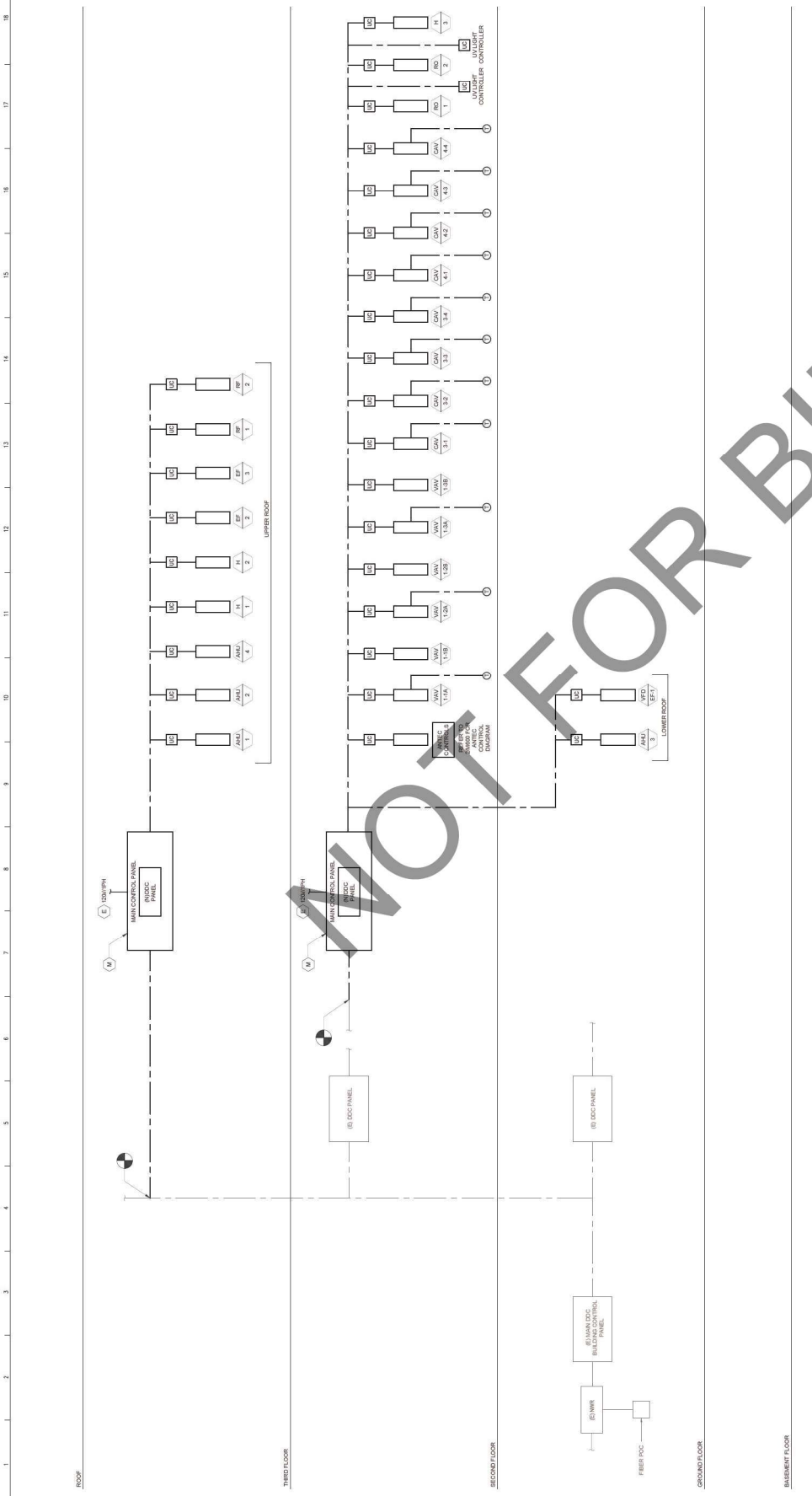
NO.	DATE	REVISIONS
1	08-11-23	BACK CHECK #1
2	09-11-23	BACK CHECK #2



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 CHECKED BY: [Signature]
 DATE: 12.20.2023

PROJECT NUMBER: [Blank]
 SHEET NUMBER: [Blank]
 HCA # : S22149336-00

SHEET TITLE: MECHANICAL CONTROLS AND WIRING
 SHEET NUMBER: [Blank]



SYSTEM ARCHITECTURE DIAGRAM SCALE: N.T.S. 1

ANTEC CONTROL DIAGRAM SCALE: N.T.S. 2

NO.	DATE	REVISIONS
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2	09-11-23	BACK CHECK #2

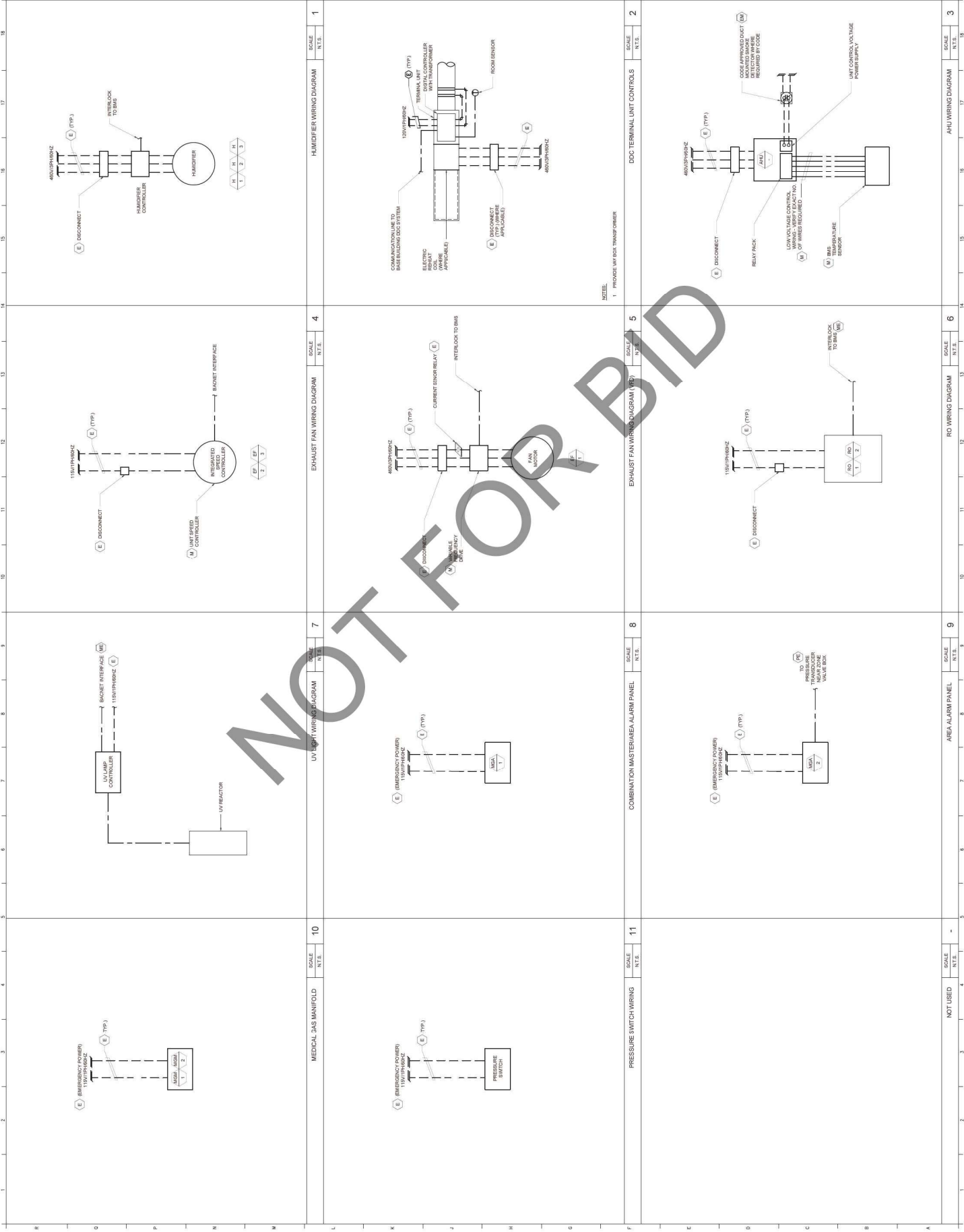


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PROJECT NUMBER: [Redacted]
 SHEET NUMBER: [Redacted]
 HCA # : S222149336-00

SHEET TITLE: MECHANICAL CONTROLS AND WIRING

SHEET NUMBER



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