



Department of Veterans Affairs

REPLACE AHU KITCHEN BLDG 1 VA OVERTON BROOKS MEDICAL CENTER 510 E. STONER AVE, SHREVEPORT, LA

PROJECT NO: 667-16-102

ISSUED FOR CONSTRUCTION

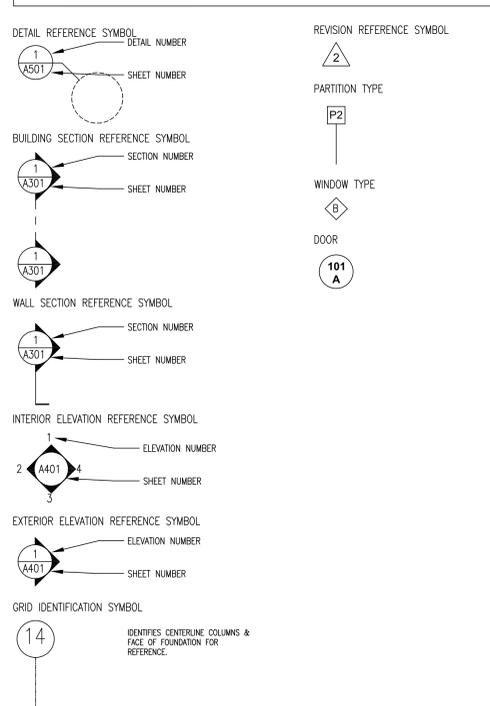
ABBREVIATIONS LEGEND

AFF	ABOVE FINISH FLOOR	FT	FEET, FOOT
AFG	ABOVE FINISH GRADE	FIN	FINISH(ED)
ACOUS	ACOUSTICAL	FF	FINISH FLOOR
ADJ	ADJUSTABLE	FRPT	FIRE RETARDANT PRESSURE TREATED
ALUM	ALUMINUM	FRT	FIRE RETARDANT TREATED
ANCH	ANCHOR	FE	FIRE EXTINGUISHER
		FEC	FIRE EXTINGUISHER CABINET
BM	BEAM	FHC	FIRE HOSE CABINET
BD	BOARD	FH	FIRE HYDRANT
BLK	BLOCK	FR	FIRE-RATED
BLDG	BUILDING	FPL	FIREPLACE
BOT	BOTTOM	FLR	FLOOR(ING)
		FD	FLOOR DRAIN
CB	CATCH BASIN	FLUOR	FLUOR FLOURESCENT
CAB	CABINET	FTC	FOOTING
CIP	CAST IN PLACE	FDN	FOUNDATION
CLG	CEILING		
CTR	CENTER	GALV	GALVANIZED
CL	CENTERLINE	GA	GAUGE OR GAGE
CO	CLEANOUT	GL	GLASS
CLR	CLEARANCE	GL	GLUE-LAMINATED
COL	COLUMN	GRAB	GRAB BAR
CONC	CONCRETE	GND	GROUND
CONST	CONSTRUCTION	GYP	GYPNUM
CSJ	CONSTRUCTION JOINT	GYP BD	GYPNUM BOARD
CONT	CONTINUOUS		
CJ	CONTROL JOINT	HB	HOSE BIBB
CMU	CONCRETE MASONRY UNIT	HC	HOLLOW CORE (MATERIAL)
CEM	CEMENT	HDWR	HARDWARE
CER	CERAMIC	HWD	HARDWOOD
		HM	HOLLOW METAL
DBL	DOUBLE	HORIZ	HORIZONTAL
DEMO	DEMOLISH OR DEMOLITION	HT	HEIGHT
DN	DOWN	HDR	HEADER
DR	DOOR		
DS	DOWNSPOUT	IN	INCHES
DTL	DETAIL	INSUL	INSULATION
DIA	DIAMETER	INT	INTERIOR
DIAG	DIAGONAL	INV	INVERT
DM	DIMENSION		
DISP	DISPENSER	JAN	JANITOR
DWG	DRAWING	JT	JOINT
		JST	JOIST
EA	EACH	LAB	LABORATORY
EW	EACH WAY	LAM	LAMINATE (D)
ELEC	ELECTRIC(AL)	LAV	LAVATORY
EW	ELECTRIC WATER COOLER	LT	WT LIGHTWEIGHT
ELEV	ELEVATION (DRAWING)		
ELEV	ELEVATOR		
ENCL	ENCLOSURE		
EQ	EQUAL		
EQUIP	EQUIPMENT		
EXIST	EXISTING		
EXP	EXPANSION		
EJ	EXPANSION JOINT		
EXP	EXPOSED		
EXT	EXTERIOR		

SYMBOL LEGEND

MH	MANHOLE	SCHD	SCHEDULE
MANUF	MANUFACTURER	SC	SEALED CONCRETE
MO	MASONRY OPENING	SECT	SECTION
MATL	MATERIAL	SHTG	SHEDTING
MAX	MAXIMUM	SHT	SHEET
MECH	MECHANICAL	SIM	SIMILAR
MTL	METAL	SPEC	SPECIFICATION(S)
MIN	MINIMUM	SC	SOLID CORE
MISC	MISCELLANEOUS	SQ	SQUARE
MTD	MOUNTED	SS	STAINLESS STEEL
		STD	STANDARD
NOM	NOMINAL	STL	STEEL
NIC	NOT IN CONTRACT	STRUCT	STRUCTURAL
NTS	NOT TO SCALE	SUSP	SUSPEND(ED)
NO	NUMBER		
		THK	THICK(NESS)
OC	ON CENTER(S)	T&G	TONGUE & GROOVE
OPNG	OPENING	T&B	TOP & BOTTOM
OPP	OPPOSITE	TOC	TOP OF CONCRETE
OD	OUTSIDE DIAMETER	TOM	TOP OF MASONRY
OHHD	OVERHEAD	TOW	TOP OF WALL
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	T	TREAD
OFOI	OWNER FURNISHED, OWNER INSTALLED	TYP	TYPICAL
		UL	UNDERWRITER'S LABORATORY
PR	PAIR	UNO	UNLESS NOTED OTHERWISE
PLAS	PLASTER	UR	URINAL
PLAM	PLASTIC LAMINATE		
PL	PLATE		
PLWD	PLYWOOD	VTR	VENT TO ROOF
PT	POINT	VERT	VERTICAL
PREFAB	PREFABRICATED	VEST	VESTIBULE
PREFIN	PREFINISHED	VCT	VINYL COMPOSITION TILE
QT	QUARRY TILE		
		WC	WATER CLOSET
RAD	RADIUS (DIMENSION)	WH	WATER HEATER
RE	REFERENCE	WR	WATER RESISTANT
REINF	REINFORCE(D) (ING)	WP	WATERPROOF(ING)
REQD	REQUIRED	WWF	WELDED WIRE FABRIC
REV	REVISE(D) (ION)	WD	WOOD
R	RISER (STAIRS)		
RD	ROOF DRAIN		
RDD	ROOF DRAIN OVERFLOW		
RM	ROOM		
RO	ROUGH OPENING		

SYMBOL LEGEND



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MH-102	- MECHANICAL - SUB BASEMENT KITCHEN DUCTWORK PLAN
MP-101	- MECHANICAL - SUB BASEMENT EQUIP RM SB-4 PIPING DEMO AND NEW WORK PLANS
MH-301	- MECHANICAL - SECTIONS
MH-401	- MECHANICAL - CONTROL DIAGRAMS
M-501	- MECHANICAL - DETAILS
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M-601	- MECHANICAL - SCHEDULES
ELECTRICAL	
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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

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Revisions:	Date

CONSULTANTS:

CERTIFICATE OF AUTHORITY NO.

17 MARCH 2017

ARCHITECT/ENGINEERS:

1144 AIRPORT BLVD.
SUITE 260
AUSTIN, TX 78702
(866) 226-8071 TELE.
(866) 226-9969 FAX
WWW.PRIME-ARCH.COM

Drawing Title
COVER SHEET

Approved: Project Director

Project Title
REPLACE AHU KITCHEN BLDG 1

Project Number
667-16-102

Building Number
1

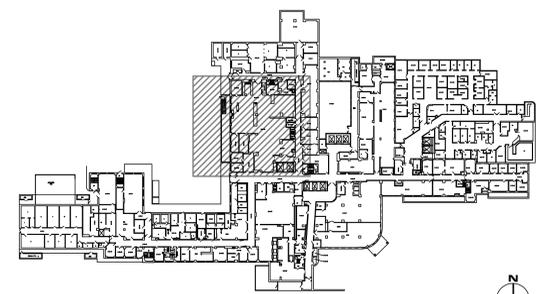
Drawing Number
G000

Dwg 1 of 5

Office of Construction and Facilities Management

Scale: 1:50

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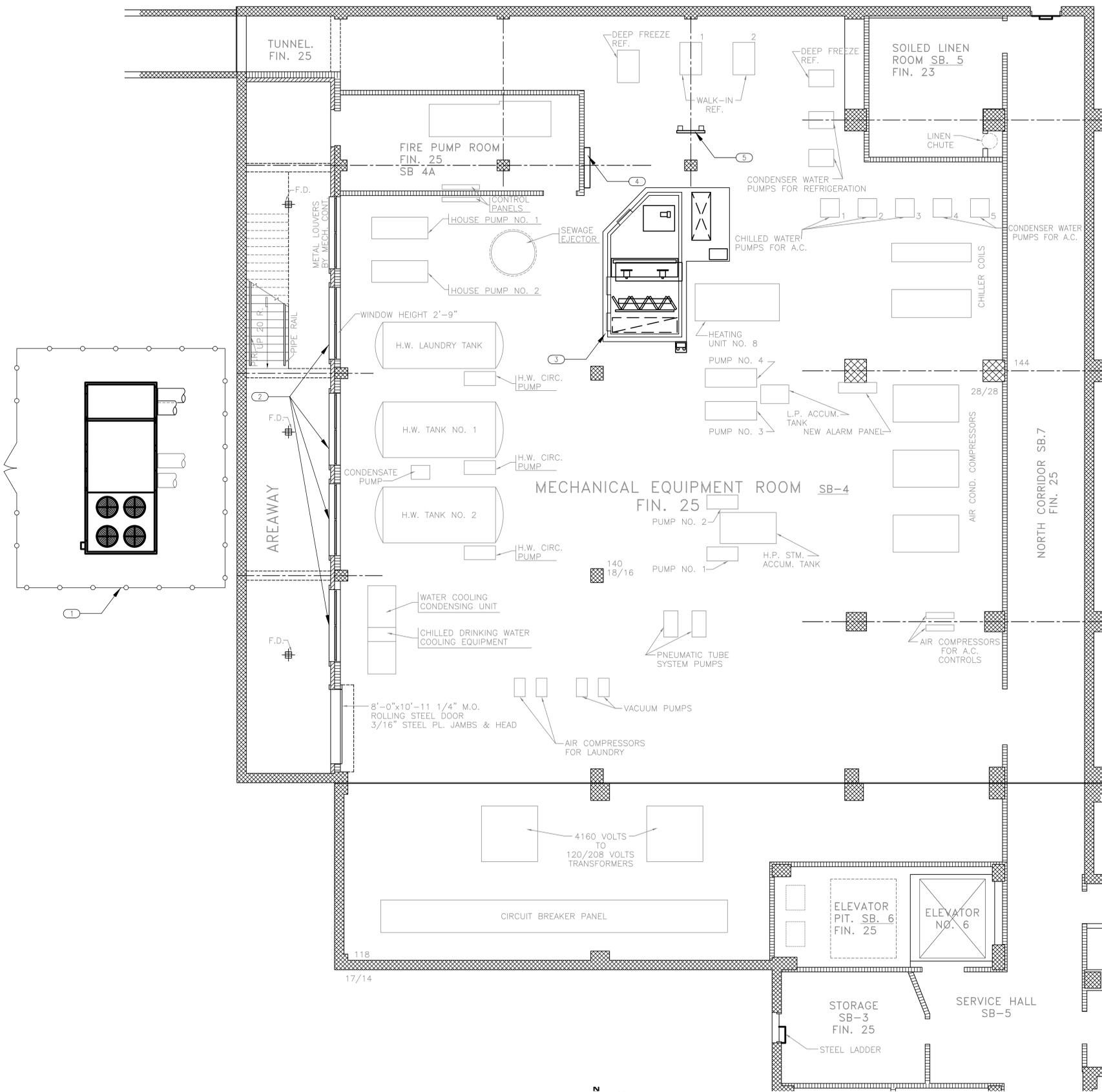
- GENERAL NOTES:**
- DIMENSIONS FOR DOOR AND WINDOW OPENINGS ARE NOMINAL. CONTRACTOR TO COORDINATE ACTUAL OPENING SIZES, AS REQUIRED TO ACCOMMODATE SHM SPACE.
- SHEET NOTES:**
- LOCATION OF THE TEMPORARY AHU W/ FENCED ENCLOSURE. CONTRACTOR TO VERIFY AND COORDINATE ELECTRICAL CONNECTION REQUIREMENTS.
 - THE CONTRACTOR SHALL UTILIZE EXISTING WINDOWS TO ROUTE TEMPORARY AHU SUPPLY AND RETURN DUCTS. THE CONTRACTOR SHALL REPLACE THE WINDOW ASSEMBLIES AFTER USE.
 - AHU AH-1-SB4-1. REFERENCE MECHANICAL DRAWINGS.
 - JOHNSON CONTROL.
 - ELECTRICAL PANEL PM.

TEMPORARY AIR HANDLING UNIT (AHU) SPECIFICATIONS:

- THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY (TEMP) AIR HANDLING UNIT (AHU) TO PROVIDE TEMPERATURE CONTROL TO THE KITCHEN THROUGHOUT THE PROJECT WHILE THE EXISTING KITCHEN AHU IS BEING REPLACED AND OUT OF SERVICE.
- COORDINATE OUTAGE WITH COR FOR CHANGE OVER TO TEMP UNIT AFTER HOURS OR ON WEEKENDS.
- INSTALL TEMPORARY CONSTRUCTION FENCE WITH SECURED GATE AROUND TEMPORARY AHU. THE AHU SHALL BE A TRAILER-MOUNTED, ELECTRICAL COOLING, ELECTRICAL HEAT UNIT CAPABLE OF DE-HUMIDIFICATION, PROVIDING MINIMUM OF 15,000 CFM, 54.4 DEGREE F DRY BULB / 53.9 DEGREE F WET BULB DISCHARGE AIR FROM AN ENTERING AIR CONDITION OF 78.3 DEGREE F DRY BULB / 64.8 DEG. F WET BULB, 491,000 BTU/H TOTAL CAPACITY, 390,000 BTU/H SENSIBLE CAPACITY, AT 2.0 ESP, FILTRATION TO MERV 11, 460V/3PH/60HZ WITH SINGLE POWER FEED, 160 MCA OR AS REQUIRED.
- PROVIDE AND INSTALL 200 AMP, 460V, 3 PH FUSED DISCONNECT FOR CONNECTION TO TEMP AHU. ROUTE FEEDER FROM SUB BASEMENT EQUIPMENT ROOM SB-4. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND POWER IN SB-4. SUBMIT ELECTRICAL PLAN AND COORDINATE WITH COR FOR APPROVAL. IF CONTRACTOR SELECTS LARGER TEMP AHU, ALL MECHANICAL AND ELECTRICAL CHANGES FOR INCREASED SIZING IS THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE VAMC.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL TEMPORARY INSULATED DUCTWORK AND DAMPERS NECESSARY TO TIE IN TO EXISTING SYSTEM. SUBMIT MECHANICAL PLAN TO BE SUBMITTED TO THE COR FOR APPROVAL.
- TEMP AHU SHALL BE CONNECTED TO VAMC'S ECC VIA COMPATIBLE CONTROLS FOR THE ENTIRE TEMPORARY USE.
- COORDINATE ALL ALARMS WITH COR PRIOR TO TIE-IN TO ECC.
- CONTRACTOR TO PERFORM A PRE-TEST (TAB) PRIOR TO DEMOLITION FOR AIRFLOW, CHILLED WATER AND STEAM TO ESTABLISH A BASELINE. THE AIRFLOW SHALL BE TOTAL SUPPLY AIRFLOW AND PRESSURES SO THAT THE TEMP AHU MEETS THE EXISTING CONDITIONS AS MINIMUM.
- SUPPLY FAN SHALL BE CONTROLLED BY A VFD AND SET AT A MANUAL SET POINT BASED ON THE CONTRACTOR'S PRE-AIR TEST BASELINE. LABEL SET POINT ON DEVICE.
- TEMP AHU SHALL PROVIDE A 3 DAY, 24 HOUR PER DAY OPERATION PRIOR TO DEMOLITION OF EXISTING AHU.
- DAILY AHU MAINTENANCE SHALL BE CONDUCTED AND LOGGED BY THE GENERAL CONTRACTOR. PROVIDE COPY TO COR.
- ROUTE CONDENSATE DRAIN FROM TEMP AHU TO NEAREST DRAIN IN SB-4.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES, SITE DIMENSIONS, ETC PRIOR TO ORDERING TEMP AHU.

INFECTION PREVENTION NOTES:

- ALL CONTRACTORS, CONSTRUCTION WORKERS, AND COR MUST ATTEND THE INFECTION PREVENTION TRAINING ANNUALLY.
- THE INFECTION PREVENTION OFFICE SHALL BE NOTIFIED OF ALL PRE-CONSTRUCTION MEETING.
- THE ICRA (INFECTION CONTROL RISK ASSESSMENT) SHALL BE WRITTEN INTO THE CONTRACT AND SPECIFICATIONS FOR ALL CONTRACTORS AND SUBCONTRACTORS.
- THE CONTRACTOR SHALL CLEAN THE WHEELS AND UNDERCOST OF ALL CARTS AND EQUIPMENT BROUGHT INTO AND OUT OF THE MAIN HOSPITAL OR POLYTRAUMA FACILITIES.
- INFECTION PREVENTION OFFICE MUST BE NOTIFIED OF ALL WATER SHUT-OFF OR INTERRUPTIONS.
- THE CONTRACTOR SHALL WET MOP HIGH TRAFFIC AREAS AT LEAST TWO (2) TIME A DAY OR MORE IF SITE HAS AN ICRA LEVEL OF 3 OR 4 AND/OR IF THE AREA HAS HIGH VOLUME OF DUST. WATER SHALL BE CHANGED DAILY. DO NOT LEAVE STANDING WATER OVER NIGHT.
- CONSTRUCTION WORKERS SHALL WEAR DUPONT TYVEK COVERALLS OR EQUIVALENT OVER CLOTHES AND SHOE COVERS IN MODERATE TO HIGH DUST AREAS IN MAIN HOSPITAL OR POLYTRAUMA FACILITIES TO PREVENT CONTAMINATION OF EMPLOYEE CLOTHES AND TRACKING DUST AND DIRT INTO THESE FACILITIES. CONSTRUCTION WORKERS SHALL REMOVE COVERALLS BEFORE LEAVING THE AREA.
- THE INFECTION PREVENTION OFFICE NEEDS TO BE NOTIFIED IF THE HVAC MUST BE INTERRUPTED IN AREA THAT AFFECT PATIENT CARE.
- THE INFECTION PREVENTION OFFICE SHALL BE NOTIFIED OF ANY ANTICIPATED ALTERATIONS TO THE ACCESS ROUTES USED DURING CONSTRUCTION ACTIVITIES.
- ALL ICRA LEVEL 4 PROJECTS SITES MUST HAVE AN ANTE-ROOM TO MAINTAIN NEGATIVE AIRFLOW AND BE LARGE ENOUGH TO REMOVED COVERALLS AND HAVE A TRASH CONTAINER. THE ANTE-ROOM MUST BE CLEARLY IDENTIFIED ON THE DRAWINGS.
- AIR FILTRATION DEVICES WITH HEPA FILTERS SHALL BE USED ON SITE FOR SMALL CLEAN-UPS IN PATIENT CARE AREAS THAT HAVE AN ICRA LEVEL OF 1 OR 2.
- THE CONTRACTOR SHALL PROVIDE A DAILY LOG FOR THE VA STAFF LOCATED ON SITE THAT CONTAINS UPDATES NOTING THE READING ON THE PRESSURE SENSOR, CERTIFYING THAT THE SITE HAS BEEN CONTINUALLY MAINTAINING NEGATIVE AIR PRESSURE DURING CONSTRUCTION.
- THE PRIME CONTRACTOR WILL ENSURE THAT CONTRACTORS IMPLEMENT THE REQUIREMENTS OR VAMC'S INFECTION RISK ASSESSMENT (ICRA) TEAM. ICRA GROUP MAY MONITOR DUST IN THE VICINITY OF THE CONSTRUCTION WORK AND REQUIRE THE CONTRACTOR TO TAKE CORRECTIVE ACTION IMMEDIATELY IF THE SAFE LEVELS ARE EXCEEDED.
- THE PRIME CONTRACTOR SHALL ENSURE THAT THE CONTRACTOR ESTABLISHES AND MAINTAINS A DUST CONTROL PROGRAM AS PART OF THE CONTRACTOR'S INFECTION PREVENTION MEASURES IN ACCORDANCE WITH THE GUIDELINES PROVIDED BY THE PRIME CONTRACTOR PRIOR TO START OF WORK, PREPARE A PLAN DETAILING.
- PROJECT-SPECIFIC DUST PROTECTION MEASURES, INCLUDE PERIODIC STATUS REPORTS, AND SUBMIT TO RESIDENT ENGINEER AND FACILITY ICRA TEAM FOR REVIEW FOR COMPLIANCE WITH CONTRACT REQUIREMENTS IN ACCORDANCE WITH SECTION 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLE ALL PERSONNEL INVOLVED IN THE CONSTRUCTION OR RENOVATION ACTIVITY SHALL BE EDUCATED AND TRAINED IN INFECTION PREVENTION MEASURES ESTABLISHED BY THE MEDICAL CENTER.
- THE FOLLOWING PREVENTION MEASURES SHALL BE ADOPTED DURING CONSTRUCTION TO KEEP DOWN DUST AND PREVENT MOLD.
- DAMPEN DEBRIS TO KEEP DOWN DUST IN EXISTING STRUCTURES WHERE DIRECTION BY RESIDENT ENGINEER. DO NOT PERFORM DUST PRODUCING TASKS WITHIN OCCUPIED AREAS WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL INSTALL CONSTRUCTION BARRIERS PER OSHA REQUIREMENTS.
- CONTRACTOR TO MAINTAIN NEGATIVE PRESSURE THROUGHOUT ENTIRE CONSTRUCTION AREA WITH HEPA FILTER.
- WORK THAT IS DISRUPTIVE TO THE VA (SUCH AS EXTREME NOISE, DUST, VIBRATION, ETC.) SHALL BE DONE AFTER NORMAL WORK HOURS.



PARTIAL SITE PLAN
 SCALE: 3/16" = 1'-0"

CONSULTANTS: 	CERTIFICATE OF AUTHORITY NO. 17 MARCH 2017	ARCHITECT/ENGINEERS: 1144 AIRPORT BLVD. SUITE 280 AUSTIN, TX. 78702 (866) 226-8071 TELE. (866) 226-9989 FAX WWW.PRIME-ARCH.COM	Drawing Title PARTIAL SITE PLAN	Project Title REPLACE AHU KITCHEN BLDG 1	Project Number 867-16-102	Office of Construction and Facilities Management
			Approved Project Director _____ _____ _____	Location SITE SHREVEPORT, LA	Building Number _____	
Revisions: _____ _____ _____	Date _____	Date OCTOBER 25, 2016	Checked QL	Drawn MS	Dwg 2 of 5	Scale: 1:50

CONTROLS SYMBOLS

Table of controls symbols including Room Thermostat, Humidistat, Transmitters (Temperature, Moisture, Pressure, Flow, Current, Conductivity, Smoke), and various sensors and actuators.

DUCTWORK SYMBOLS

Table of ductwork symbols including flexible connections, elbows, ducts, louvers, dampers, and diffusers.

PIPING SYMBOLS

Table of piping symbols including gate valves, globe valves, check valves, strainers, and various control valves.

DRAWING SYMBOLS

Table of drawing symbols including detail numbers, section letters, and equipment identification codes.

CONTROLS SYMBOLS

Table of controls symbols including temperature sensing elements, motor starters, and electric operated dampers.

ABBREVIATIONS

Large table of abbreviations for architectural and mechanical terms, including Architect, Engineer, and various HVAC components.

GENERAL MECHANICAL NOTES

- List of 25 general mechanical notes covering compliance, equipment specifications, ductwork requirements, and testing procedures.

MECHANICAL SHEET INDEX

Table listing mechanical sheets (MH-001 to MH-601) and their corresponding titles and drawings.

CONSULTANTS: MEP logo and contact information.

ARCHITECT/ENGINEERS: PRIME ARCHITECTS logo and contact information.

Project Title: MECHANICAL - TITLE SHEET

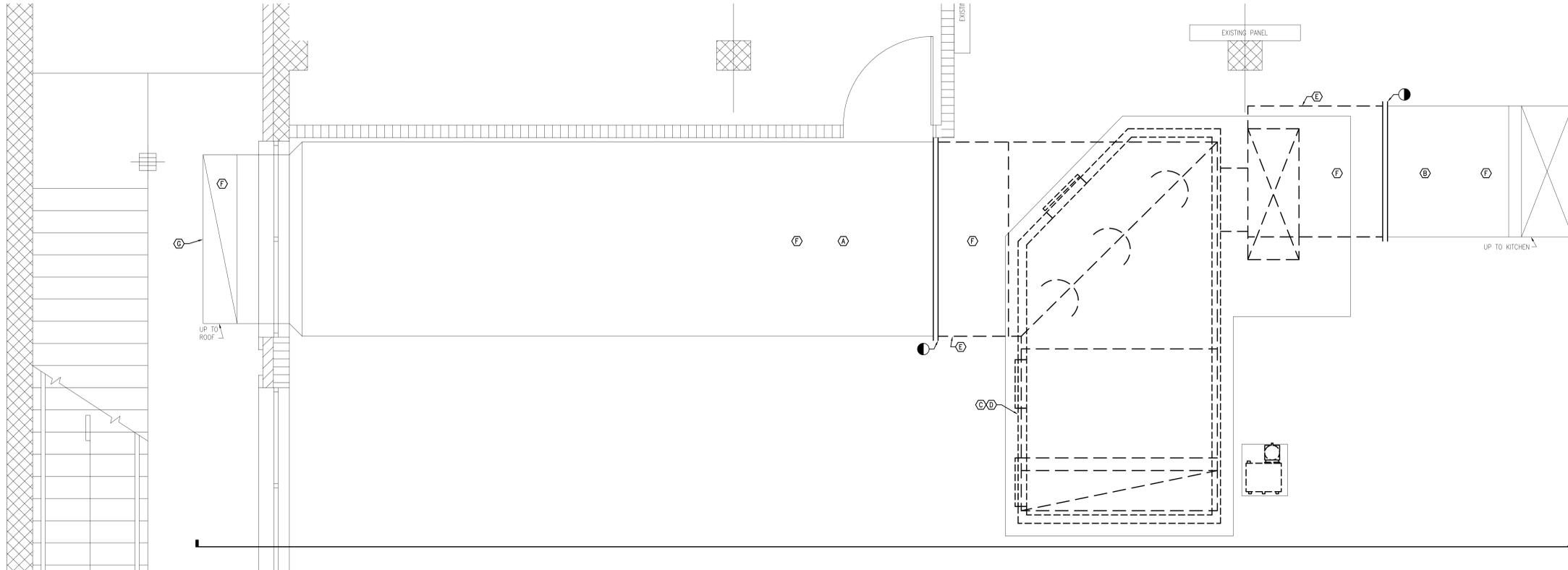
Project Title: REPLACE AHU KITCHEN BLDG 1

Project Number: 667-16-102, Building Number: 1, Drawing Number: MH-001

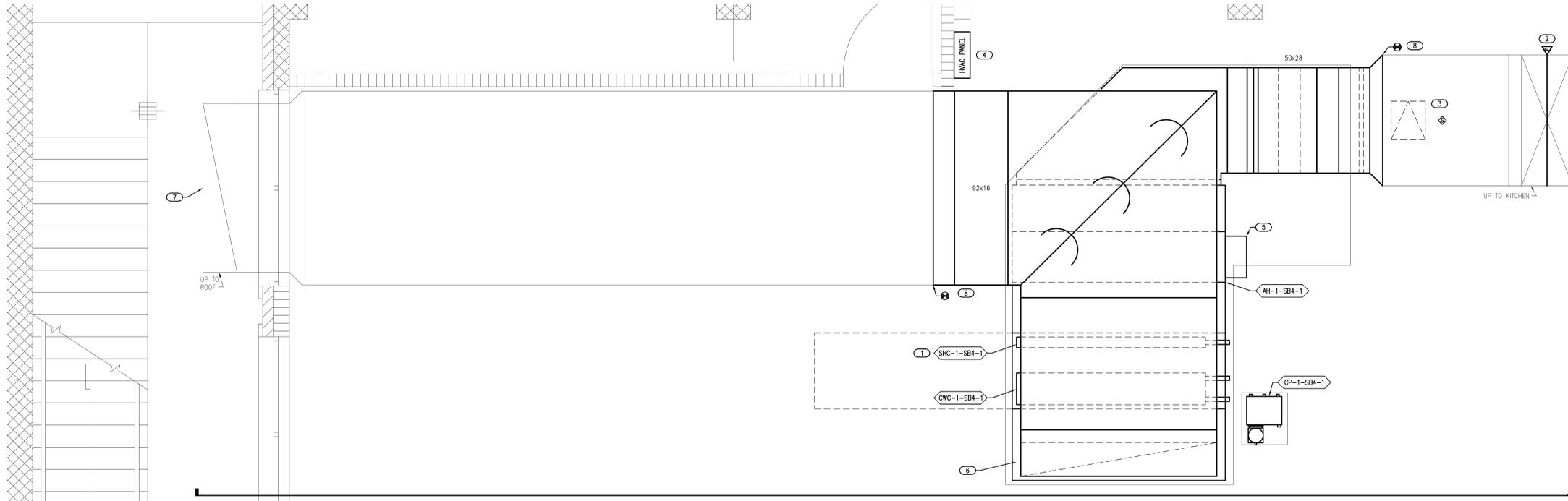
Office of Construction and Facilities Management, Department of Veterans Affairs

Vertical scale markings on the left margin: 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.

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1 MECHANICAL SUB BASEMENT EQUIPMENT ROOM SB-4 DUCTWORK DEMOLITION PLAN
1/2" = 1'-0"



2 MECHANICAL SUB BASEMENT EQUIPMENT ROOM SB-4 NEW WORK PLAN
1/2" = 1'-0"

GENERAL NOTES - DEMOLITION

1. PRIOR TO DEMOLITION MEASURE EXISTING KITCHEN AIR HANDLING UNIT AND CLOSELY CONSIDER SPACE AVAILABLE FOR NEW AIR HANDLER. DETERMINE EXISTING INSTALLATIONS THAT WILL NEED TO BE RELOCATED OR REROUTED IN ORDER TO ACCOUNT FOR THE NEW INSTALLATIONS AND FUTURE MAINTENANCE ACCESS REQUIREMENTS.
2. REMOVE AND DISPOSE OF ALL EXISTING CONTROLS FOR THE KITCHEN AIR HANDLING UNIT.
3. AS REQUIRED FOR REMOVAL OF EXISTING AHU AND DUCTWORK, REMOVE EXISTING FIRE PROTECTION SPRINKLER LINES.
4. AS REQUIRED FOR REMOVAL OF EXISTING AHU AND INSTALLATION OF NEW REWORK EXISTING SYSTEMS THAT WILL REMAIN TO PROVIDE FOR INSTALLATION AND MAINTENANCE OF NEW EQUIPMENT.
5. MEASURE EXISTING DUCTWORK WHERE INDICATED AND AT LOCATIONS WHERE EXISTING DUCTWORK WILL BE CONNECTED TO NEW. INCLUDE MEASUREMENTS OF EXISTING DUCTWORK AS PART OF RECORD DOCUMENT SUBMITTAL.

GENERAL NOTES - NEW WORK

1. PRIOR TO PREPARING SUBMITTAL FOR NEW AIR HANDLING UNIT CONFIRM AVAILABLE SPACE. MEASURE EXISTING HOUSEKEEPING PAD. VERIFY AVAILABLE ELECTRICAL POWER FOR AHU AND STEAM CONDENSATE RECEIVER PUMP PRIOR TO PREPARING SUBMITTAL. SHOULD FINDINGS DIFFER FROM INFORMATION ON PLAN DOCUMENTS INCORPORATE FINDINGS IN SUBMITTAL. CONTRACTOR TO VERIFY PATH FROM OUTDOORS TO AHU FINAL LOCATION AND PROVIDE REQUIRED SHIPPING SPLITS.
2. PROVIDE ALL NEW DIGITAL HVAC CONTROLS.
3. REARRANGE AND PROVIDE NEW FIRE PROTECTION SPRINKLERS AS REQUIRED FOR NEW INSTALLATION.
4. AS REQUIRED FOR INSTALLATION OF NEW AHU REWORK EXISTING SYSTEMS THAT WILL REMAIN TO PROVIDE FOR INSTALLATION AND MAINTENANCE OF NEW EQUIPMENT.
5. BASED ON MEASUREMENT OF EXISTING DUCTWORK PROVIDE NECESSARY TRANSITIONS TO CONNECT EXISTING WITH NEW.

KEYED NOTES - DEMOLITION

(A) PRIOR TO DEMOLITION MEASURE DUCT AIRFLOW AND STATIC PRESSURE. PROVIDE DOCUMENTATION TO COR AND ENGINEER FOR REVIEW AND WITH FINAL TEST AND BALANCE REPORT.

(B) PRIOR TO DEMOLITION MEASURE DUCT STATIC PRESSURE. PROVIDE DOCUMENTATION TO COR AND ENGINEER FOR REVIEW AND WITH FINAL TEST AND BALANCE REPORT.

(C) PRIOR TO DEMOLITION DOCUMENT EXISTING FAN AND MOTOR NAMEPLATE INFORMATION AND MEASURE FAN PERFORMANCE INCLUDING: AIR TEMPERATURE AT TIME OF TEST, FAN STATIC PRESSURE, FAN RPM, MOTOR VOLTS, MOTOR AMPS, MOTOR RPM, ETC. PROVIDE DOCUMENTATION TO COR AND ENGINEER FOR REVIEW IMMEDIATELY AFTER TEST AND WITH FINAL TEST AND BALANCE REPORT.

(D) REMOVE AND DISPOSE OF AIR HANDLER WHERE INDICATED DASHED. DISASSEMBLE INTO SECTIONS OF SIZE THAT PERMITS REMOVAL FROM BUILDING WITHOUT HAVING TO MOVE EXISTING EQUIPMENT OR UTILITIES. REFER TO AS101 FOR SITE PLAN SHOWING BASEMENT. FIELD SURVEY TO UNDERSTAND EXISTING INSTALLATIONS THROUGHOUT THE AFFECTED BASEMENT SPACE.

(E) REMOVE AND DISPOSE OF DUCTWORK WHERE INDICATED DASHED AND AS REQUIRED TO ALLOW FOR NEW INSTALLATIONS.

(F) VERIFY EXISTING DUCT SIZE.

(G) REFER TO 1/MH301 SECTION FOR DUCTWORK DEMOLITION IN RISE.

KEYED NOTES - NEW WORK

(1) PROVIDE NEW AIR HANDLING UNIT.

(2) PROVIDE NEW FIRE DAMPER WITH ACCESS DOOR AT FLOOR.

(3) WORK WITH ELECTRICAL CONTRACTOR TO INSTALL SMOKE DETECTOR. PROVIDE ACCESS DOOR.

(4) PROVIDE NEW HVAC CONTROL ENCLOSURE FOR KITCHEN DDC CONTROLS.

(5) AHU CONTROL CABINET.

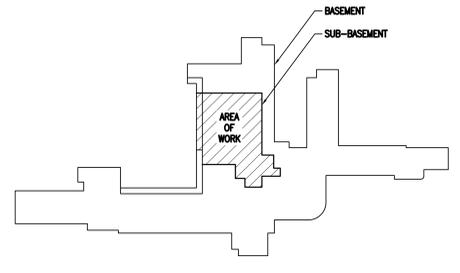
(6) MINIMUM AHU INLET SIZE 96X16.

(7) REFER TO 2/MH301 SECTION FOR NEW DUCTWORK IN RISE.

(8) BASED ON MEASUREMENT OF EXISTING DUCTWORK PROVIDE NECESSARY TRANSITIONS TO CONNECT EXISTING WITH NEW.

CONSTRUCTION PERIOD TEMPORARY AHU

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY (TEMP) AIR HANDLING UNIT (AHU) TO PROVIDE TEMPERATURE CONTROL TO THE KITCHEN THROUGHOUT THE PROJECT WHILE THE EXISTING KITCHEN AHU IS BEING REPLACED AND OUT OF SERVICE.
2. REFER TO SHEET MH102 FOR ADDITIONAL INFORMATION REGARDING THE TEMPORARY AIR HANDLER INSTALLATION.

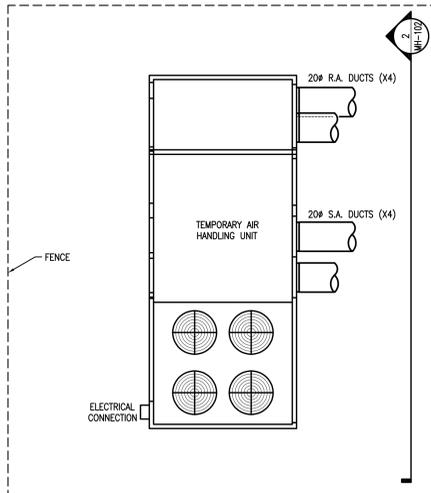


KEYPLAN
NO SCALE

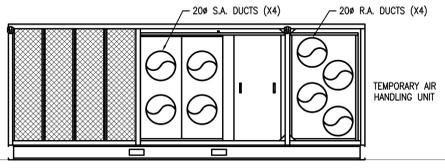
CONSULTANTS: <small>engineers consultants commissioning 2901 Via Bonita Street, Suite 3004 Houston, TX 77057 P: 405.364.9020 mep@meppro.com CA# 91231 Registration Date: 06/30/2017 MEP PROJECT NO.: P14-15.01</small>		ARCHITECT/ENGINEERS: <small>1144 AIRPORT BLVD. AUSTIN, TX 78702 (866) 226-8071 TELE. (866) 226-9969 FAX WWW.PRIME-ARCH.COM</small>		Drawing Title: MECHANICAL - SUB BASEMENT EQUIP RM SB-4 DUCTWORK DEMO AND NEW WORK PLANS Approved: Project Director _____ _____ _____		Project Title: REPLACE AHU KITCHEN BLDG 1 Location: SHREVEPORT, LA Date: 03/17/2017 Checked: JAM Drawn: APS		Project Number: 667-16-102 Building Number: 1 Drawing Number: MH-101 Dwg. # of 12		Office of Construction and Facilities Management 	
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- KEYED NOTES**
1. PRIOR TO DEMOLITION MEASURE EXISTING GRILLE, REGISTER, OR DIFFUSER AIRFLOW. PROVIDE DOCUMENTATION TO COR AND ENGINEER FOR REVIEW AND WITH FINAL TEST AND BALANCE REPORT.
 2. PROVIDE TEST AND ADJUST OF EXISTING GRILLE, REGISTER OR DIFFUSER WITH NEW AIR HANDLER, INCLUDE WITH TAB REPORT. SET TO AIRFLOW DETERMINED AS A RESULT OF REVIEW OF PRECONSTRUCTION TESTING.
 3. MEASURE DUCT AND GRILLE SIZE, PROVIDE MEASUREMENTS WITH PREDEMOLITION REPORT.
 4. PRIOR TO PRELIMINARY TEST, REMOVE EXISTING GRILLE, THOROUGHLY CLEAN AND REINSTALL.
 5. TEMPORARY AIR HANDLER RETURN AIR TO CONNECT TO MIXED AIR DUCT. TEMPORARILY DISCONNECT AND CAP DUCT TO AH-1-SB-1.
 6. REMOVE WINDOW, SALVAGE FOR REINSTALLATION, REPLACE WITH TEMPORARY SUPPLY AIR GRILL FOR KITCHEN AIR FROM TEMPORARY AIR HANDLING UNIT. REINSTALL WINDOW WHEN TEMPORARY AIR HANDLING UNIT IS NO LONGER REQUIRED.
 7. PROVIDE KITCHEN TEMPERATURE SENSOR.

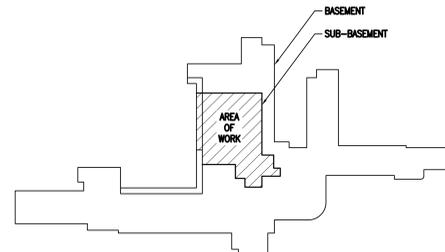
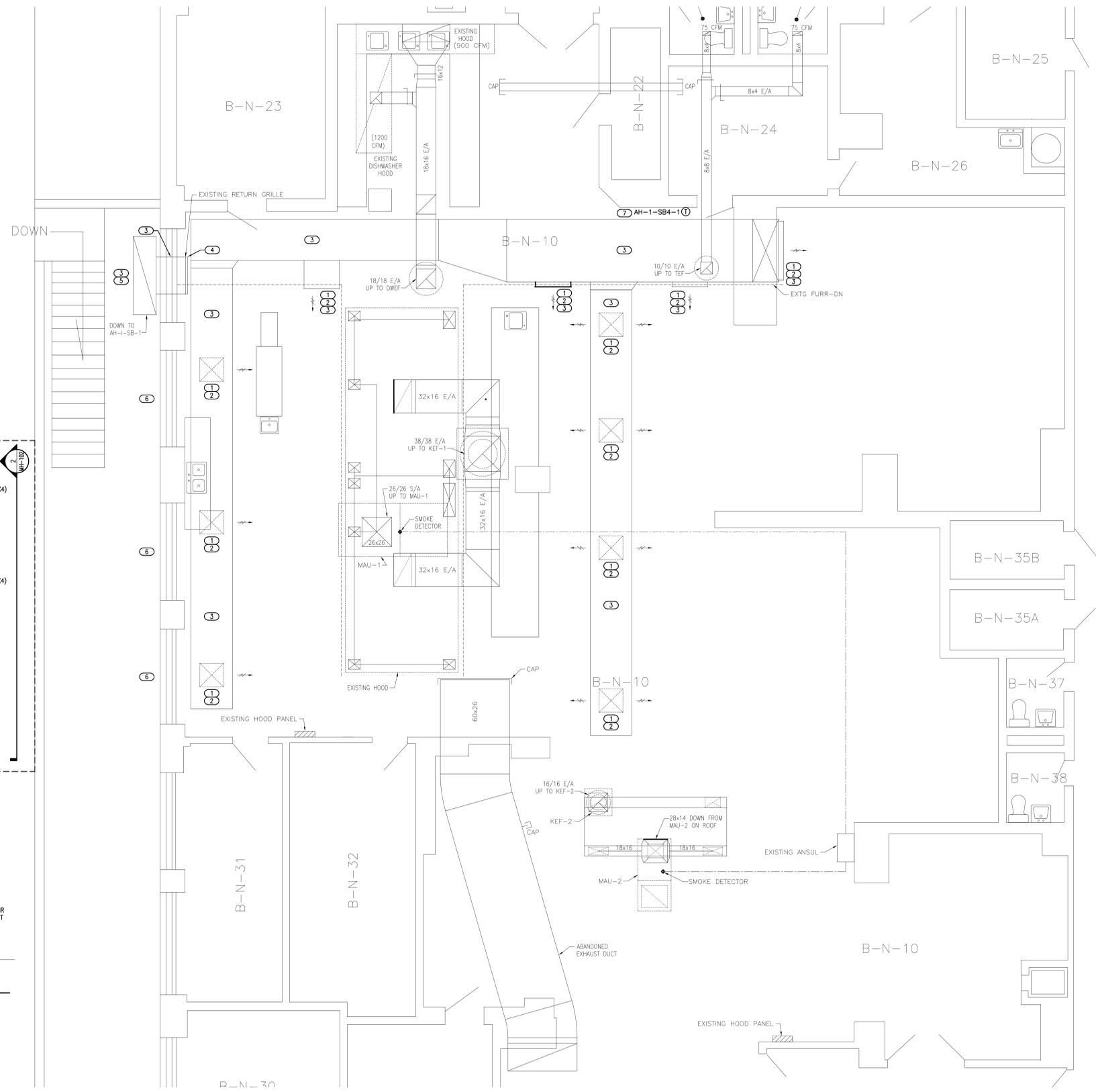
- TEMPORARY AIR HANDLING UNIT SPECIFICATIONS**
1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY (TEMP) AIR HANDLING UNIT (AHU) TO PROVIDE TEMPERATURE CONTROL TO THE KITCHEN THROUGHOUT THE PROJECT WHILE THE EXISTING KITCHEN AHU IS BEING REPLACED AND OUT OF SERVICE.
 2. COORDINATE OUTAGE WITH COR FOR CHANGE OVER TO TEMP UNIT AFTER HOURS OR ON WEEKENDS.
 3. INSTALL TEMPORARY CONSTRUCTION FENCE WITH SECURED GATE AROUND TEMPORARY AHU. THE AHU SHALL BE A TRAILER-MOUNTED, ELECTRICAL COOLING, ELECTRICAL HEAT UNIT CAPABLE OF DE-HUMIDIFICATION, PROVIDING MINIMUM OF 15,000 CFM, 54.4 DEGREE F DRY BULB / 53.9 DEGREE F WET BULB DISCHARGE AIR FROM AN ENTERING AIR CONDITION OF 78.3 DEGREE F DRY BULB / 64.8 DEG. F WET BULB, 491,000 BTU/H TOTAL CAPACITY, 390,000 BTU/H SENSIBLE CAPACITY, AT 2.0 ESP, FILTRATION TO MERV 11, 460V/3PH/60HZ WITH SINGLE POWER FEED, 160 MCA OR AS REQUIRED.
 4. PROVIDE AND INSTALL TEMPORARY ELECTRICAL SERVICE, APPROXIMATE 200 AMP, 460V, 3 PH WITH FUSED DISCONNECT FOR CONNECTION TO TEMP AHU. CONFIRM ACTUAL REQUIREMENTS WITH TEMPORARY AIR HANDLING UNIT SUPPLIER. ROUTE FEEDER FROM SUB BASEMENT EQUIPMENT ROOM SB-4. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND POWER IN SB-4. SUBMIT ELECTRICAL PLAN AND COORDINATE WITH COR FOR APPROVAL. ALSO SEE SHEET E101 AND A5101.
 5. CONTRACTOR SHALL PROVIDE AND INSTALL ALL TEMPORARY INSULATED DUCTWORK AND DAMPERS NECESSARY TO TIE IN TO EXISTING SYSTEM. SUBMIT MECHANICAL PLAN TO BE SUBMITTED TO THE COR FOR APPROVAL.
 6. TEMP AHU SHALL BE CONNECTED TO VAMC'S ECC VIA COMPATIBLE CONTROLS FOR THE ENTIRE TEMPORARY USE.
 7. COORDINATE ALL ALARMS WITH COR PRIOR TO TIE-IN TO ECC.
 8. CONTRACTOR TO PERFORM A PRE-TEST (TAB) PRIOR TO DEMOLITION FOR AIRFLOW, CHILLED WATER AND STEAM TO ESTABLISH A BASELINE. THE AIRFLOW SHALL BE TOTAL SUPPLY AIRFLOW AND PRESSURES SO THAT THE TEMP AHU MEETS THE EXISTING CONDITIONS AS MINIMUM.
 9. SUPPLY FAN SHALL BE CONTROLLED BY A VFD AND SET AT A MANUAL SET POINT BASED ON THE CONTRACTORS PRE-AIR TEST BASELINE. LABEL SET POINT ON DEVICE.
 10. TEMP AHU SHALL PROVIDE A 3 DAY, 24 HOUR PER DAY OPERATION PRIOR TO DEMOLITION OF EXISTING AHU.
 11. DAILY AHU MAINTENANCE SHALL BE CONDUCTED AND LOGGED BY THE GENERAL CONTRACTOR. PROVIDE COPY TO COR.
 12. ROUTE CONDENSATE DRAIN FROM TEMP AHU TO NEAREST DRAIN IN SB-4.
 13. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES, SITE DIMENSIONS, ETC PRIOR TO ORDERING TEMP AHU.



2 TEMPORARY AHU ELEVATION
1/4" = 1'-0"

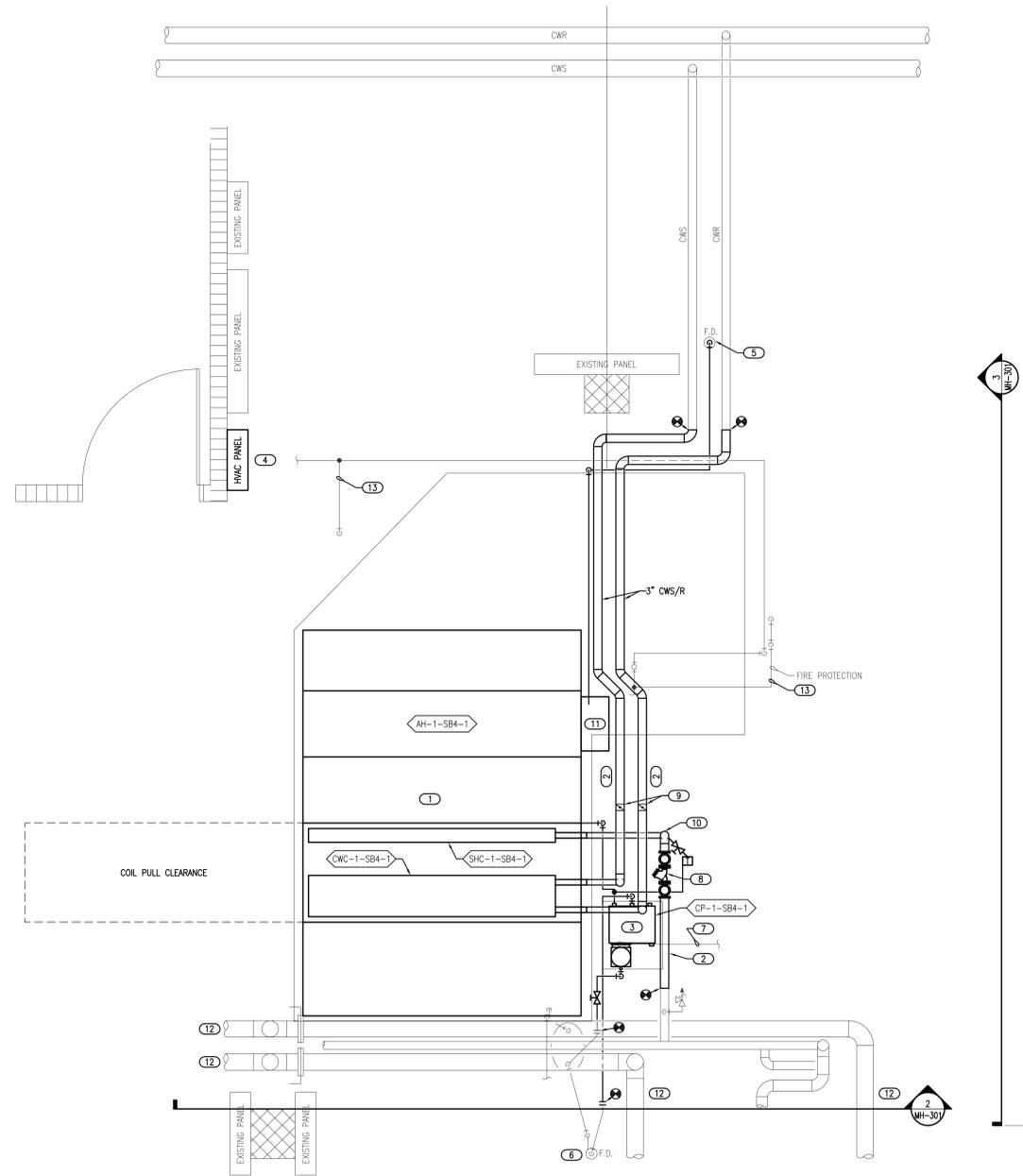


1 MECHANICAL BASEMENT KITCHEN DUCTWORK PLAN
1/4" = 1'-0"

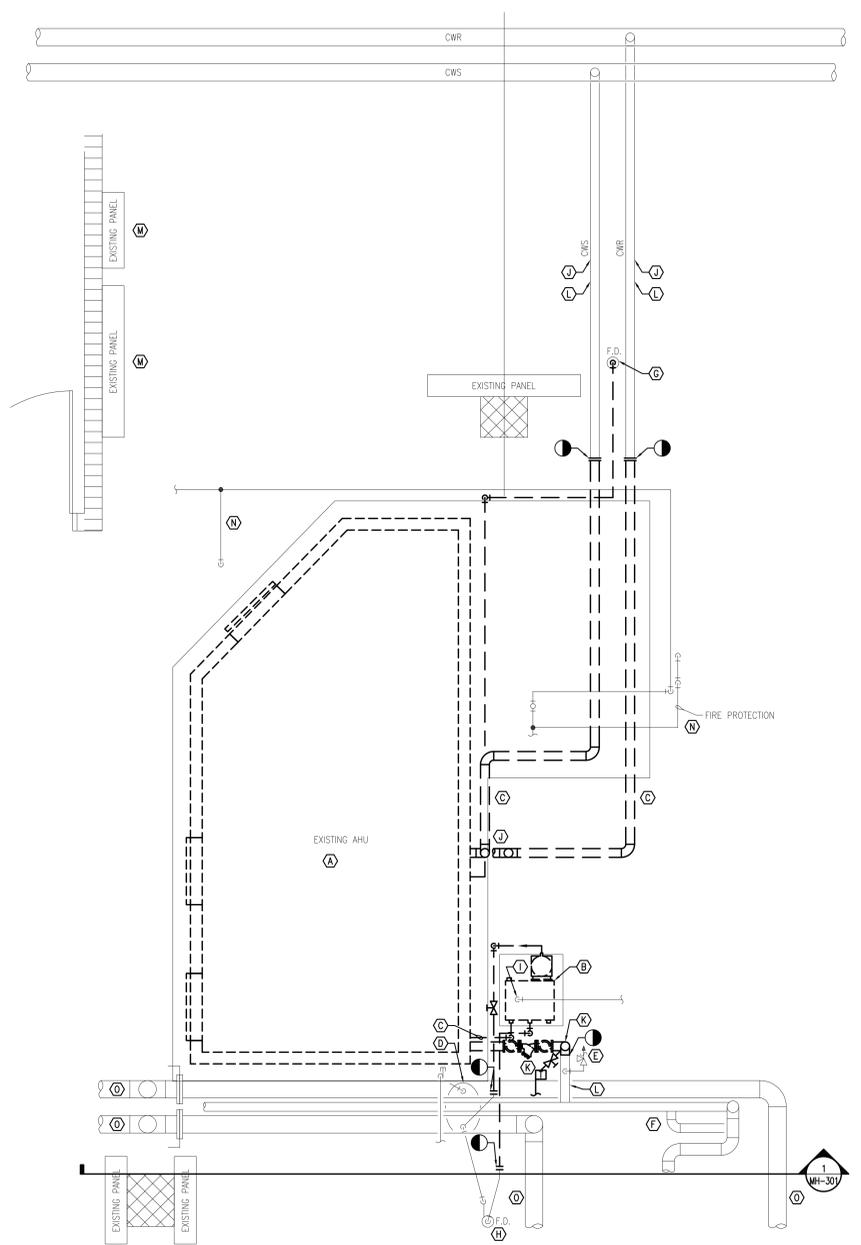


KEYPLAN
NO SCALE

CONSULTANTS: <small>engineers consultants commissioning 2901 Via River Street, Suite 204 Houston, TX 77027 P: 415.364.9020 mep@meppro.com CAP: 9127 Registration Date: 06.30.2017 MEP PROJECT NO.: P14-15.01</small>		 ARCHITECT/ENGINEERS: 1144 AIRPORT BLVD. SUITE 250 AUSTIN, TX 78702 (866) 226-8071 TELE. (866) 226-9969 FAX WWW.PRIME-ARCH.COM		Drawing Title MECHANICAL - BASEMENT KITCHEN DUCTWORK PLAN Approved: Project Director _____ _____ _____		Project Title REPLACE AHU KITCHEN BLDG 1 Location SHREVEPORT, LA Date 03/17/2017 Checked JAM Drawn APS		Project Number 667-16-102 Building Number 1 Drawing Number MH-102 Dwg. # of 12		Office of Construction and Facilities Management 	
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2 MECHANICAL SUB BASEMENT EQUIPMENT ROOM SB-4 PIPING NEW WORK PLAN
1/2" = 1'-0"



1 MECHANICAL SUB BASEMENT EQUIPMENT ROOM SB-4 PIPING DEMOLITION PLAN
1/2" = 1'-0"

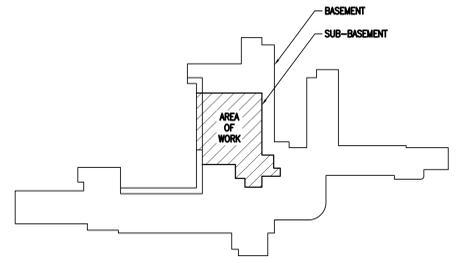
- CONSTRUCTION PERIOD TEMPORARY AHU**
1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY (TEMP) AIR HANDLING UNIT (AHU) TO PROVIDE TEMPERATURE CONTROL TO THE KITCHEN THROUGHOUT THE PROJECT WHILE THE EXISTING KITCHEN AHU IS BEING REPLACED AND OUT OF SERVICE.
 2. REFER TO SHEET MH002 FOR ADDITIONAL INFORMATION REGARDING THE TEMPORARY AIR HANDLER INSTALLATION.

- KEYED NOTES - DEMOLITION**
- (A) REMOVE AND DISPOSE OF AIR HANDLER WHERE INDICATED DASHED. DISASSEMBLE INTO SECTIONS OF SIZE THAT PERMITS REMOVAL FROM BUILDING WITHOUT HAVING TO MOVE EXISTING EQUIPMENT OR UTILITIES. REFER TO AS101 FOR SITE PLAN SHOWING BASEMENT. FIELD SURVEY TO UNDERSTAND EXISTING INSTALLATIONS THROUGHOUT THE AFFECTED BASEMENT SPACE.
 - (B) REMOVE AND DISPOSE OF EXISTING STEAM CONDENSATE RECEIVER/PUMP.
 - (C) REMOVE AND DISPOSE OF STEAM, CONDENSATE, CHILLED WATER, AND OTHER PIPING WHERE INDICATED DASHED AND AS REQUIRED TO ALLOW FOR NEW INSTALLATIONS.
 - (D) AS MIGHT BE REQUIRED FOR INSTALLATION AND MAINTENANCE OF NEW AIR HANDLER, RELOCATE PUMPING TRAP AND REWORK ASSOCIATED PIPING.
 - (E) EXISTING RELIEF VALVE TO REMAIN.
 - (F) EXISTING STEAM PRESSURE REDUCING STATION (45 TO 20 PSIG, CONTRACTOR TO VERIFY) WITH BYPASS TO REMAIN; PROVIDES STEAM FOR KITCHEN AIR HANDLING UNIT. USE VERIFIED STEAM PRESSURE FOR SIZING NEW STEAM CONTROL VALVE BASED ON NO MORE THAN 5 PSIG TO THE NEW STEAM HEAT COIL.
 - (G) FLOOR DRAIN USED FOR COOLING COIL CONDENSATE.
 - (H) FLOOR DRAIN USED FOR STEAM CONDENSATE RECEIVER OVERFLOW AND VENT.
 - (I) EXISTING PIPING, NOT RELATED TO KITCHEN AHU, REWORK AS REQUIRED FOR NEW INSTALLATIONS AND ACCOUNTING FOR MAINTENANCE ACCESS.
 - (J) VERIFY WITH COR CHILLED WATER DIFFERENTIAL PRESSURE SETTINGS BETWEEN SUPPLY AND RETURN MAIN PRIOR TO SIZING CHILLED WATER CONTROL VALVE.
 - (K) REMOVE AND DISPOSE OF STEAM MAIN TAKE OFF WITH DRIP LEG AND TRAP TO STEAM CONTROL VALVE FOR AHU STEAM HEAT COIL. REMOVE CONDENSATE RETURN AND PREPARE FOR CONNECTION TO RETURN FROM TRAP AT NEW STEAM COIL. PROVIDE TEMPORARY CAP FOR CONDENSATE RETURN.
 - (L) VERIFY EXISTING PIPE SIZE.
 - (M) REMOVE AND DISPOSE OF ALL CONTROLS RELATED TO EXISTING KITCHEN AIR HANDLING UNIT.
 - (N) AS REQUIRED FOR REMOVAL OF EXISTING AHU AND DUCTWORK, REMOVE EXISTING FIRE PROTECTION SPRINKLER LINES.
 - (O) EXISTING PIPING AND EQUIPMENT NOTED FOR REFERENCE, CONTRACTOR TO VERIFY ACTUAL LOCATIONS.

- KEYED NOTES - NEW WORK**
- (1) PROVIDE NEW AIR HANDLING UNIT.
 - (2) PROVIDE NEW STEAM, CONDENSATE AND CHILLED WATER PIPING FOR NEW AIR HANDLING UNIT.
 - (3) PROVIDE NEW STEAM CONDENSATE RECEIVER / PUMP.
 - (4) PROVIDE NEW HVAC CONTROL ENCLOSURE FOR KITCHEN DDC CONTROLS.
 - (5) FLOOR DRAIN USED FOR COOLING COIL CONDENSATE.
 - (6) FLOOR DRAIN USED FOR CONDENSATE RECEIVER OVERFLOW AND VENT.
 - (7) EXISTING PIPING, NOT RELATED TO KITCHEN AHU, REWORK AS REQUIRED FOR NEW INSTALLATIONS AND ACCOUNTING FOR MAINTENANCE ACCESS.
 - (8) PROVIDE NEW STEAM ISOLATION VALVES, STRAINER, CONTROL VALVE, TRAPS, ETC AS IDENTIFIED ON DETAILS. USE VERIFIED STEAM PRESSURE FOR SIZING NEW STEAM CONTROL VALVE BASED ON NO MORE THAN 5 PSIG TO THE NEW STEAM HEAT COIL. INSTALL STEAM STRAINERS WITH BASKET ABOVE HORIZONTAL SO CONDENSATE WILL NOT ACCUMULATE. INCLUDE BLOWDOWN VALVE WITH CAPPED OUTLET ORIENTED TO DISCHARGE TOWARD FLOOR.
 - (9) PROVIDE CHILLED WATER ISOLATION VALVES, STRAINER WITH BLOWDOWN, CONTROL VALVE, ETC AS IDENTIFIED ON DETAILS. USE VERIFIED MINIMUM CHILLED WATER DIFFERENTIAL PRESSURE SETTINGS BETWEEN SUPPLY AND RETURN MAIN WITH ALLOWANCE FOR PIPING AND APPURTENANCES FOR SIZING CHILLED WATER CONTROL VALVE.
 - (10) PROVIDE FULL LINE SIZE STEAM DRIP LEG WITH TRAP AND SCALE POCKET. PROVIDE NEW TRAP AND ASSOCIATED VALVES AND PIPE SPECIALTIES. FIELD ROUTE CONDENSATE DISCHARGE PIPE FROM TRAP TO CONNECT WITH CAPPED RETURN LEFT DURING DEMO WORK.
 - (11) AHU CONTROL CABINET.
 - (12) EXISTING PIPING AND EQUIPMENT NOTED FOR REFERENCE, CONTRACTOR TO VERIFY ACTUAL LOCATIONS.
 - (13) REARRANGE AND PROVIDE NEW FIRE PROTECTION SPRINKLERS AS REQUIRED FOR NEW INSTALLATION.

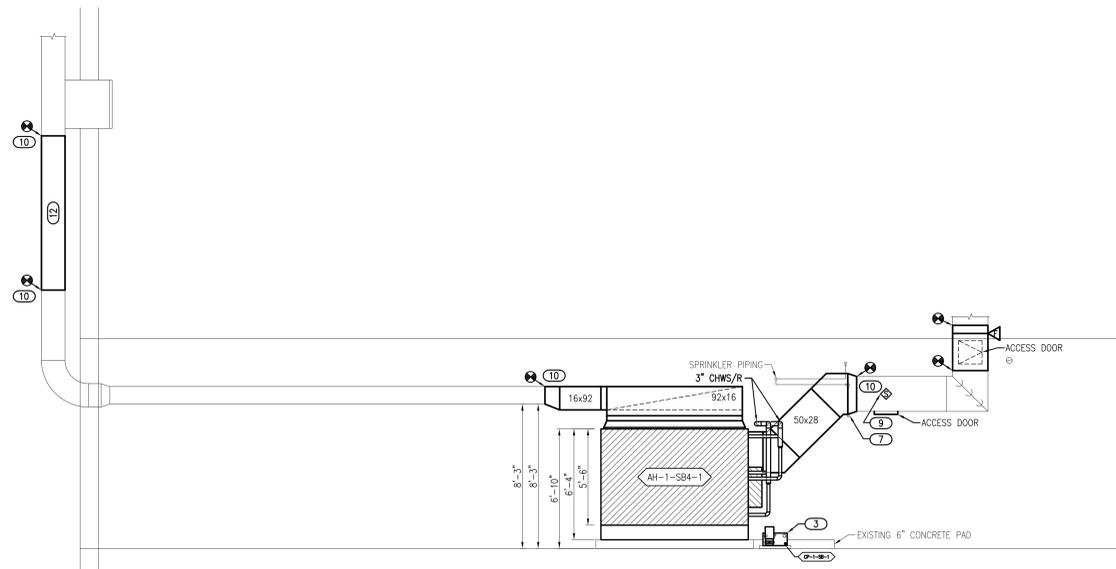
- GENERAL NOTES - NEW WORK**
1. PRIOR TO PREPARING SUBMITTAL FOR NEW AIR HANDLING UNIT CONFIRM AVAILABLE SPACE. MEASURE EXISTING HOUSEKEEPING PAD. VERIFY AVAILABLE ELECTRICAL POWER FOR AHU AND CONDENSATE RECEIVER PUMP. SHOULD FINDINGS DIFFER FROM INFORMATION ON PLAN DOCUMENTS INCORPORATE FINDINGS IN SUBMITTAL. CONTRACTOR TO VERIFY PATH FROM OUTDOORS TO AHU FINAL LOCATION AND PROVIDE REQUIRED SHIPPING SPLITS.
 2. REARRANGE AND PROVIDE NEW FIRE PROTECTION SPRINKLERS AS REQUIRED FOR NEW INSTALLATIONS.
 3. AS REQUIRED FOR INSTALLATION OF NEW AHU REWORK EXISTING SYSTEMS THAT WILL REMAIN TO PROVIDE FOR INSTALLATION AND MAINTENANCE OF NEW EQUIPMENT.
 4. BASED ON VERIFICATION OF EXISTING PIPE SIZE PROVIDE NECESSARY REDUCERS TO CONNECT EXISTING WITH NEW. SEE SPECS AND DETAILS AS TO USE OF ECCENTRIC REDUCERS.
 5. PROVIDE ALL NEW DIGITAL HVAC CONTROLS.

- GENERAL NOTES - DEMOLITION**
1. PRIOR TO DEMOLITION MEASURE EXISTING KITCHEN AIR HANDLING UNIT, CHILLED WATER FLOW, COIL ENTERING AND LEAVING WATER PRESSURE, AND CHILLED WATER DIFFERENTIAL PRESSURE (OPERATING, MAXIMUM, AND MINIMUM) AT TAKE OFF FROM MAIN TO KITCHEN AIR HANDLING UNIT. PROVIDE DOCUMENTATION TO CORP AND ENGINEER FOR REVIEW AND WITH FINAL TEST AND BALANCE REPORT.
 2. AS REQUIRED FOR REMOVAL OF EXISTING AHU AND INSTALLATION OF NEW REWORK EXISTING SYSTEMS THAT WILL REMAIN TO PROVIDE FOR INSTALLATION AND MAINTENANCE OF NEW EQUIPMENT.
 3. AS REQUIRED FOR REMOVAL OF EXISTING AHU AND INSTALLATION OF NEW REWORK EXISTING SYSTEMS THAT WILL REMAIN TO PROVIDE FOR INSTALLATION AND MAINTENANCE OF NEW EQUIPMENT.
 4. REMOVE AND DISPOSE OF ALL CONTROLS RELATED TO EXISTING KITCHEN AIR HANDLING UNIT.
 5. MEASURE EXISTING PIPE WHERE INDICATED AND AT LOCATIONS WHERE EXISTING PIPING WILL BE CONNECTED TO NEW. INCLUDE EXISTING PIPE SIZE AS PART OF RECORD DOCUMENT SUBMITTAL.

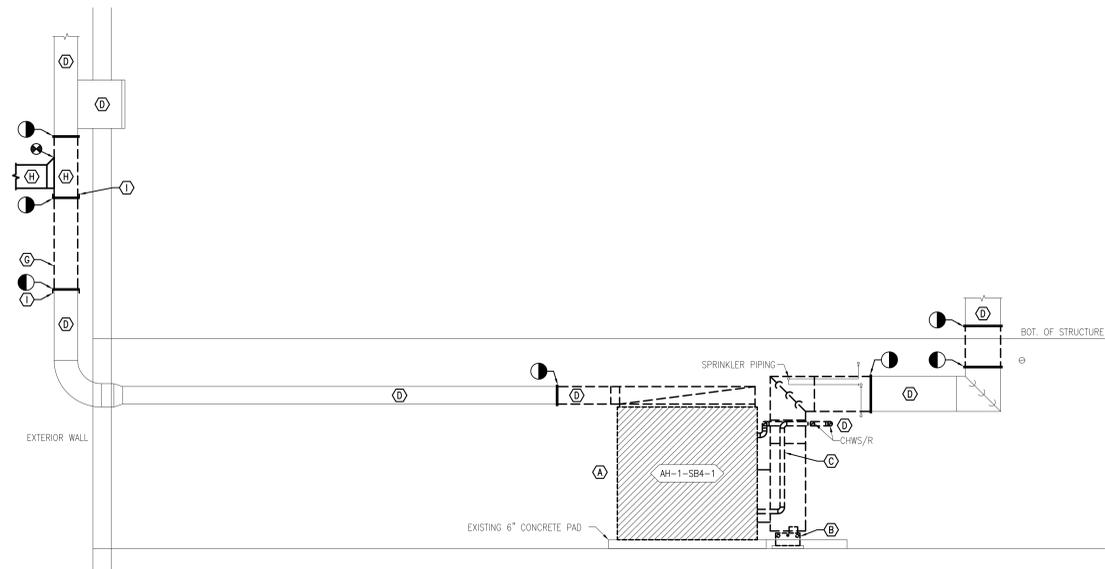


KEYPLAN
NO SCALE

CONSULTANTS: <small>engineers consultants commissioning</small> <small>2801 W. River Street, Suite 2004 Houston, TX 77027</small> <small>P. 405.364.9020 mep@meppro.com</small> <small>CA# 91221 Expiration Date: 06/30/2017</small> <small>MEP PROJECT NO.: P14-15.01</small>		ARCHITECT/ENGINEERS: <small>1144 AIRPORT BLVD.</small> <small>SUITE 250</small> <small>AUSTIN, TX 78702</small> <small>(866) 226-8071 TELE.</small> <small>(866) 226-9969 FAX</small> <small>WWW.PRIME-ARCH.COM</small>		Drawing Title MECHANICAL - SUB BASEMENT EQUIP RM SB-4 PIPING DEMO AND NEW WORK PLANS Approved: Project Director _____ _____ _____		Project Title REPLACE AHU KITCHEN BLDG 1 Location SHREVEPORT, LA Date 03/17/2017 Checked JAM Drawn APS		Project Number 667-16-102 Building Number 1 Drawing Number MP-101 Dwg. # of 12		Office of Construction and Facilities Management 	
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2 AHU NEW WORK SECTION
1/4" = 1'-0"



1 AHU DEMOLITION SECTION
1/4" = 1'-0"

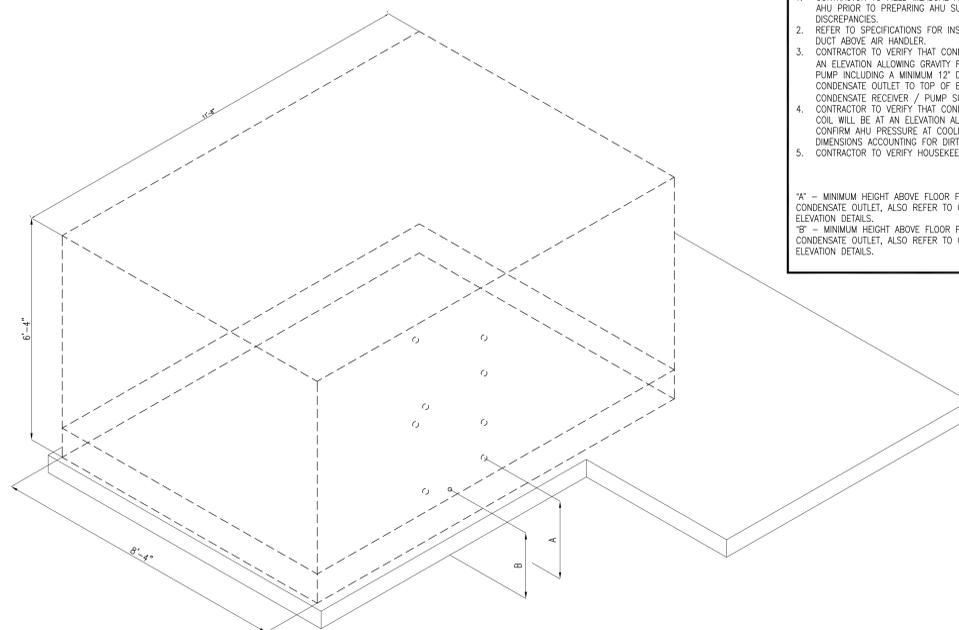
- KEYED NOTES - DUCTWORK DEMOLITION**
- (A) REMOVE AND DISPOSE OF AIR HANDLER WHERE INDICATED DASHED. DISASSEMBLE INTO SECTIONS OF SIZE THAT PERMITS REMOVAL FROM BUILDING WITHOUT HAVING TO MOVE EXISTING EQUIPMENT OR UTILITIES. REFER TO AS101 FOR SITE PLAN SHOWING BASEMENT. FIELD SURVEY TO UNDERSTAND EXISTING INSTALLATIONS THROUGHOUT THE AFFECTED BASEMENT SPACE.
 - (B) REMOVE AND DISPOSE OF EXISTING STEAM CONDENSATE RECEIVER / PUMP.
 - (C) REMOVE AND DISPOSE OF STEAM, CONDENSATE, CHILLED WATER, AND OTHER PIPING WHERE INDICATED DASHED AND AS REQUIRED TO ALLOW FOR NEW INSTALLATIONS.
 - (D) VERIFY EXISTING DUCTWORK AND PIPE SIZES.
 - (E) AS REQUIRED FOR REMOVAL OF EXISTING AHU AND DUCTWORK, REMOVE EXISTING FIRE PROTECTION SPRINKLER LINES.
 - (F) REMOVE AND DISPOSE OF DUCTWORK WHERE INDICATED DASHED AND AS REQUIRED TO ALLOW FOR NEW INSTALLATIONS.
 - (G) COORDINATE WITH ELECTRICAL FOR REMOVAL OF SECTION OF DUCT WHERE ELECTRICAL CONDUIT PASSING THROUGH THE DUCT WILL BE REROUTED AND REMOVE ADDITIONAL DUCT WHEN TEMPORARY KITCHEN AIR HANDLING UNIT IS REMOVED.
 - (H) PROVIDE TEMPORARY DUCT CONNECTION FOR MIXED AIR RETURN TO TEMPORARY AIR HANDLING UNIT.
 - (I) PROVIDE TEMPORARY DUCT CAPS FOR USE WHEN USING TEMPORARY KITCHEN AIR HANDLING UNIT.

- KEYED NOTES - DUCTWORK NEW WORK**
- (1) PROVIDE NEW AIR HANDLING UNIT.
 - (2) PROVIDE NEW STEAM, CONDENSATE AND CHILLED WATER PIPING FOR NEW AIR HANDLING UNIT.
 - (3) PROVIDE NEW STEAM CONDENSATE RECEIVER / PUMP.
 - (4) PROVIDE NEW STEAM ISOLATION VALVES, STRAINER, CONTROL VALVE, TRAPS, ETC AS IDENTIFIED ON DETAILS. USE VERIFIED STEAM PRESSURE FOR SIZING NEW STEAM CONTROL VALVE BASED ON NO MORE THAN 5 PSIG TO THE NEW STEAM HEAT COIL. INSTALL STEAM STRAINERS WITH BASKET ABOVE HORIZONTAL SO CONDENSATE WILL NOT ACCUMULATE. INCLUDE BLOWDOWN VALVE WITH CAPPED OUTLET ORIENTED TO DISCHARGE TOWARD FLOOR.
 - (5) PROVIDE CHILLED WATER ISOLATION VALVES, STRAINER WITH BLOWDOWN, CONTROL VALVE, ETC AS IDENTIFIED ON DETAILS. USE VERIFIED MINIMUM CHILLED WATER DIFFERENTIAL PRESSURE SETTINGS BETWEEN SUPPLY AND RETURN MAIN WITH ALLOWANCE FOR PIPING AND APPURTENANCES FOR SIZING CHILLED WATER CONTROL VALVE.
 - (6) AHU CONTROL CABINET.
 - (7) REARRANGE AND PROVIDE NEW FIRE PROTECTION SPRINKLERS AS REQUIRED FOR NEW INSTALLATION.
 - (8) PROVIDE NEW FIRE DAMPER WITH ACCESS DOOR AT DUCT FLOOR PENETRATION.
 - (9) WORK WITH ELECTRICAL CONTRACTOR TO INSTALL SMOKE DETECTOR. PROVIDE ACCESS DOOR.
 - (10) BASED ON MEASUREMENT OF EXISTING DUCTWORK PROVIDE NECESSARY TRANSITIONS TO CONNECT EXISTING WITH NEW.
 - (11) BASED ON VERIFICATION OF EXISTING PIPE SIZE PROVIDE NECESSARY REDUCERS TO CONNECT EXISTING WITH NEW, SEE SPECS AND DETAILS AS TO USE OF ECCENTRIC REDUCERS.
 - (12) PROVIDE NEW DUCT SECTION TO REPLACE SECTION REMOVED WHERE ELECTRICAL CONDUIT PASSING THROUGH THE DUCT IS REROUTED AND TO REPLACE SECTION OF DUCTWORK MODIFIED FOR TEMPORARY AHU RETURN DUCT CONNECTION. PAINT NEW DUCT TO MATCH EXISTING.
 - (13) PROVIDE NEW STEAM TRAPS.

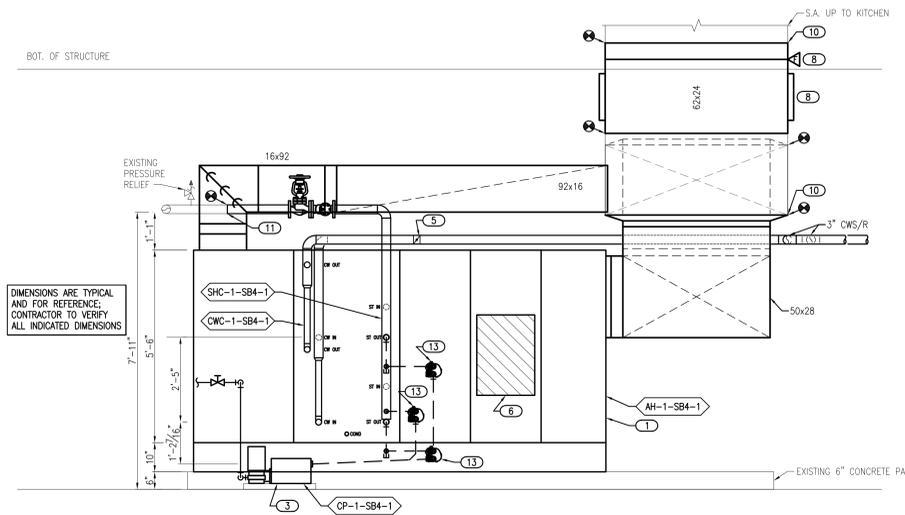
AHU SIZING NOTES

- CONTRACTOR TO FIELD MEASURE AND CONFIRM LIMITING DIMENSIONS FOR AHU PRIOR TO PREPARING AHU SUBMITTAL. NOTIFY COR OF DISCREPANCIES.
- REFER TO SPECIFICATIONS FOR INSULATION THICKNESS ON RETURN AIR DUCT ABOVE AIR HANDLER.
- CONTRACTOR TO VERIFY THAT CONDENSATE OUTLET FROM AHU WILL BE AT AN ELEVATION ALLOWING GRAVITY FEED TO THE CONDENSATE RECEIVER / PUMP INCLUDING A MINIMUM 12" DIMENSION FROM BOTTOM OF CONDENSATE OUTLET TO TOP OF BRANCH TO TRAP. COMPARE TO CONDENSATE RECEIVER / PUMP SUBMITTAL.
- CONTRACTOR TO VERIFY THAT CONDENSATE OUTLET FROM AHU COOLING COIL WILL BE AT AN ELEVATION ALLOWING GRAVITY FEED TO FLOOR DRAIN. CONFIRM AHU PRESSURE AT COOLING COIL DRAIN PAN AND DRAIN TRAP DIMENSIONS ACCOUNTING FOR DIRTY FILTERS.
- CONTRACTOR TO VERIFY HOUSEKEEPING PAD DIMENSIONS.

X = MINIMUM HEIGHT ABOVE FLOOR FOR BOTTOM OF STEAM COIL CONDENSATE OUTLET. ALSO REFER TO OTHER PLAN DETAILS INCLUDING AHU ELEVATION DETAILS.
 B = MINIMUM HEIGHT ABOVE FLOOR FOR BOTTOM OF COOLING COIL CONDENSATE OUTLET. ALSO REFER TO OTHER PLAN DETAILS INCLUDING AHU ELEVATION DETAILS.



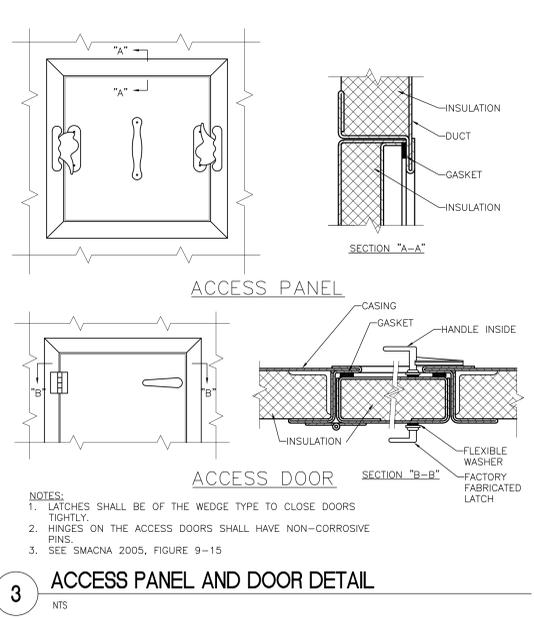
4 AHU SPACE AVAILABLE AND CRITICAL DIMENSIONS
1/2" = 1'-0"



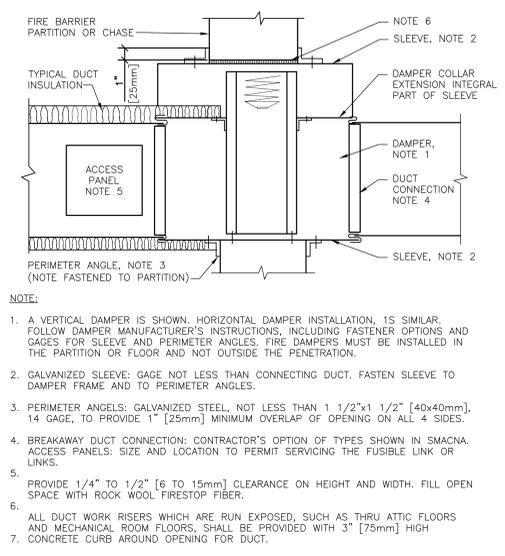
3 AHU NEW WORK SECTION
1/2" = 1'-0"

CONSULTANTS: <small>engineers consultants commissioning 2800 Via River Street, Suite 2004 Houston, TX 77027 P: 405.364.9020 mep@mepprojects.com C.A.P. #1227 Expiration Date: 06/30/2017 MEP PROJECT NO.: P14-15.01</small>		 ARCHITECT/ENGINEERS: 1144 AIRPORT BLVD. SUITE 250 AUSTIN, TX 78702 (866) 226-8071 TELE. (866) 226-9969 FAX WWW.PRIME-ARCH.COM		Drawing Title MECHANICAL - SECTIONS Project Title REPLACE AHU KITCHEN BLDG 1 Project Number 667-16-102 Building Number 1 Drawing Number MH-301 Dwg. # of 12		Office of Construction and Facilities Management 													
Approved Project Director _____ _____ _____		Location SHREVEPORT, LA Date 03/17/2017 Checked JAM Drawn APS		Revisions: <table border="1"> <tr><th>Revisions:</th><th>Date</th></tr> <tr><td> </td><td> </td></tr> </table>		Revisions:	Date											VA FORM 08-6231	
Revisions:	Date																		

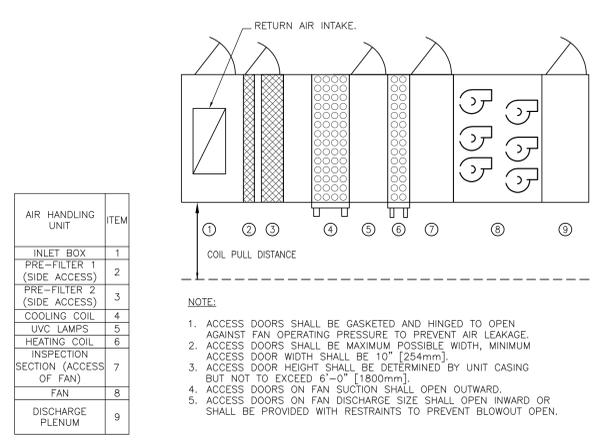
three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



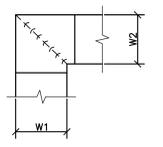
3 ACCESS PANEL AND DOOR DETAIL
 NTS



2 SECTION THRU FIRE DAMPER INSTALLATION
 NTS

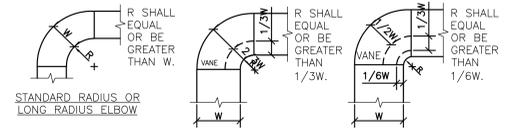


1 ACCESS DOOR SWING DETAIL FOR AIR HANDLING UNITS
 NTS



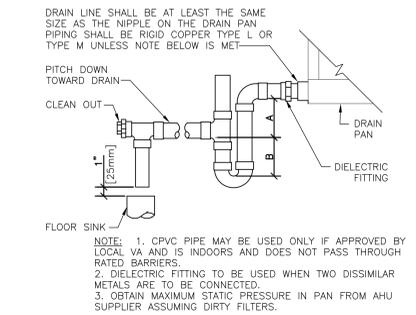
- NOTE:**
- ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
 - WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
 - ALL SINGLE THICKNESS VANES SHALL HAVE A 2" [50mm] RADIUS, 1 1/2" [40mm] MAXIMUM SPACE BETWEEN VANES AND A 3/4" [20mm]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

5 DUCTWORK SQUARE VANE ELBOWS
 NTS

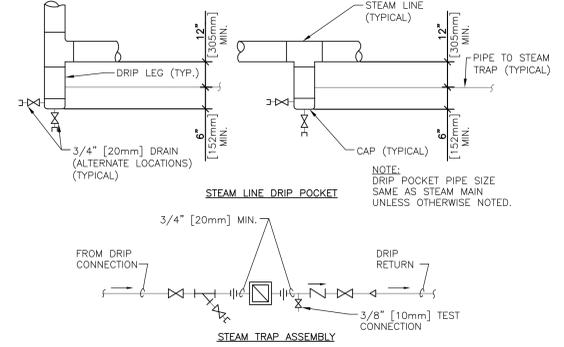


4 DUCTWORK RADIUS ELBOWS
 NTS

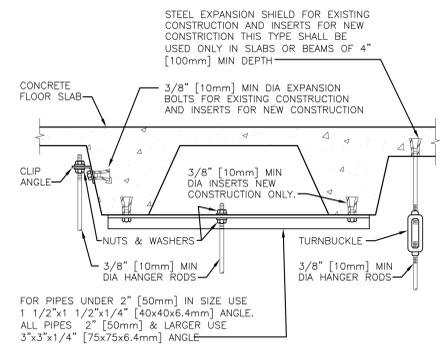
CONSULTANTS: engineers construction commissioning 2805 Van Buren Street, Suite 2004 Norcross, GA 30072 P: 404.246.7028 F: 404.246.7028 CA# 5121 Expiration Date: 08.30.2017 MEP PROJECT NO.: P14.15.01		 JEFFREY A. URBALA PROFESSIONAL ENGINEER 2-17-17		ARCHITECT/ENGINEERS: 1144 AIRPORT BLVD. SUITE 260 AUSTIN, TX 78702 (866) 226-8071 TELE. (866) 226-9969 FAX WWW.PRIME-ARCH.COM		Drawing Title MECHANICAL - DETAILS		Project Title REPLACE AHU KITCHEN BLDG 1		Project Number 667-16-102 Building Number 1 Drawing Number MH-501 Dwg. # of 12	
Revisions Date				Approved Project Director _____ _____ _____		Location SHREVEPORT, LA		Date 03/17/2017		Checked JAM Drawn APS	



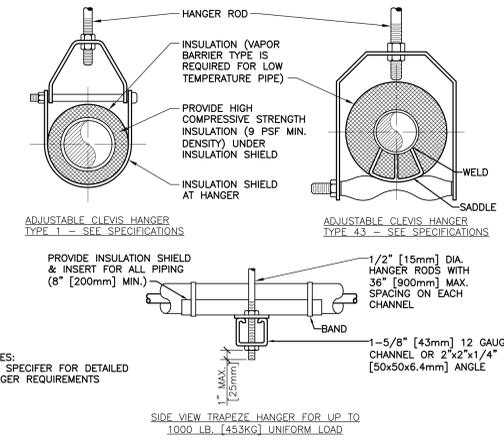
4 AIR HANDLING UNIT DRAIN TRAP DETAIL
NTS



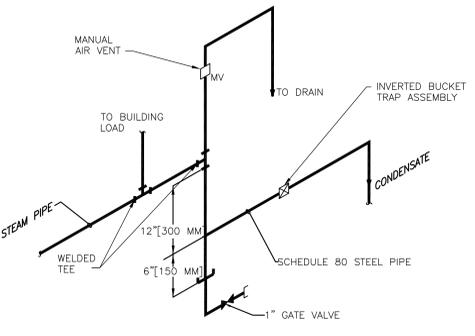
3 STEAM LINE DRIP POCKET STEAM TRAP ASSEMBLY
NTS



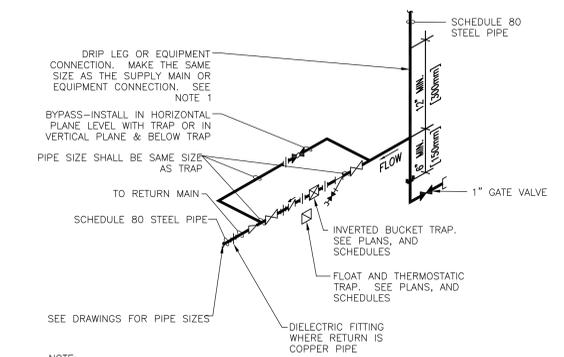
2 SECURING HANGER RODS IN CONCRETE
NTS



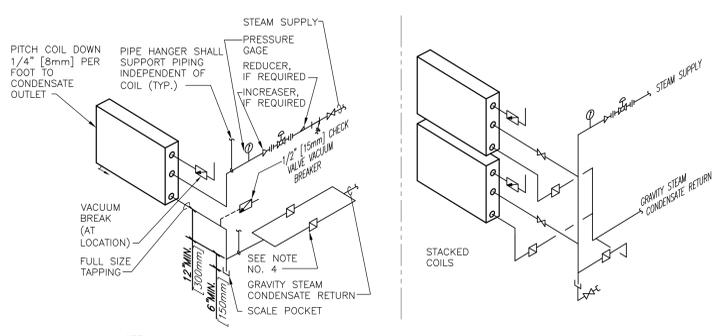
1 PIPE HANGERS
NTS



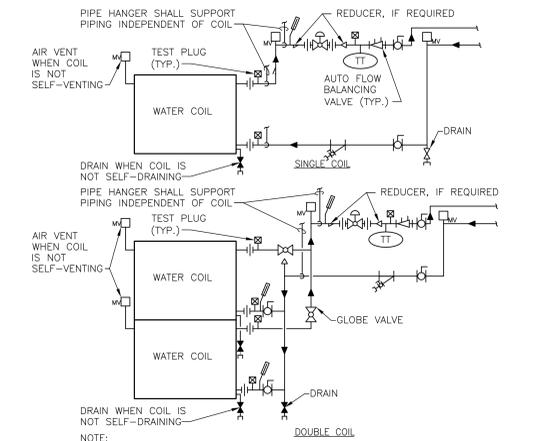
8 END OF STEAM LINE DRIP TRAP
NTS



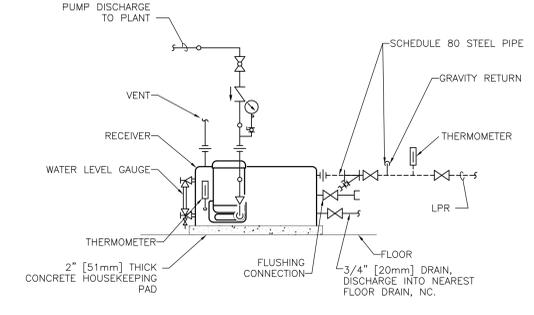
7 INVERTED BUCKET/ FLOAT AND THERMOSTATIC STEAM TRAP ASSEMBLY
NTS



6 STEAM COIL - PIPING CONNECTIONS
NTS



5 WATER COILS - PIPING CONNECTIONS
NTS



9 CONDENSATE PUMPS - PIPING CONNECTIONS
NTS

CONSULTANTS:

engineers | architects | commissioning
2800 Van Buren Street, Suite 2004 | Houston, TX 77027
P: 409.364.9028 | E: info@meppro.com
CA# 5121 | Expiration Date: 08.30.2017
MEP PROJECT NO.: P14.15.01

ARCHITECT/ENGINEERS:

1144 AIRPORT BLVD.
SUITE 260
AUSTIN, TX 78702
(866) 226-8071 TELE.
(866) 226-9969 FAX
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Drawing Title: MECHANICAL - DETAILS

Project Title: REPLACE AHU KITCHEN BLDG 1

Location: SHREVEPORT, LA

Date: 03/17/2017

Checked: JAM

Drawn: APS

Project Number: 667-16-102

Building Number: 1

Drawing Number: MH-502

Dwg. # of 12

Office of Construction and Facilities Management

Department of Veterans Affairs

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
one quarter inch = one foot
three eighths inch = one foot
one eighth inch = one foot

HVAC DESIGN DATA											
DESIGN CONDITIONS	SUMMER					WINTER				LOWEST AVERAGE ANNUAL DEWPOINT	
	TEMP		WET BULB TEMP	% HUMIDITY		TEMP		DEWPOINT TEMP			% HUMIDITY
	°F	[°C]	°F	[°C]	%	°F	[°C]	°F	[°C]		%
OUTDOOR DESIGN CONDITIONS	97.8	[37]	78.3	[26]	37.8	23.8	[-5]	-	-	NA	-
INDOOR AREA DESIGN CONDITIONS											
KITCHEN	78	[26]	67.9	[20]	60	70	[21]	-	-	-	-

ROOM AIR BALANCE SCHEDULE																							
ROOM NO	ROOM NAME	AIR HANDLING UNIT NO	TERMINAL UNIT	INDIVIDUAL ROOM TEMP CONTROL	SUPPLY				RETURN OR EXHAUST				ROOM AIR FLOW		ROOM AIR BALANCE		NET INFILTRATION		NET EXFILTRATION		REMARKS		
					ROOM AIR FLOW		# OF AIR DEVICES	AIR DEVICE MARK	SUPPLY FAN	RETURN OR EXHAUST (R/E)	ROOM AIR FLOW		# OF AIR DEVICES	AIR DEVICE MARK	RETURN OR EXHAUST FAN	CV	VAV	CFM	[L/s]	CFM		[L/s]	
					CFM	[L/s]					CFM	[L/s]											
B-N-10	MAIN KITCHEN	1-AH8	-	Y	2740	[13000]	3.7	EXISTING	AH-1-SF-1,2,3,4,5,6	BOTH	30800	[15000]	5	EG-E	BOTH	X		(-)	3160	[1500]	0	[]	1

STEAM CONDENSATE PUMP SCHEDULE															
MARK	LOCATION	SYSTEM AND/OR SERVICE	TYPE UNIT	FLOW EACH PUMP		DISCHARGE PRESSURE		MIN RECEIVER SIZE		MOTOR			REMARKS		
				GPM	[L/s]	PSIG	[kPa]	GAL	[L]	HP	[W]	PHASE		VOLT	RPM
CP-1-SB4-1	SB-4 SUB-BASEMENT	AH-1-SB4-1	SIMPLEX	8	[4]	22	[150]	9	[34]	0.33	[250]	1	115	3500	1, 2, 3, 4

REMARKS:

- REMOVE AND DISPOSE OF EXISTING, SIMPLEX, 120 VOLT, HOFFMAN WATCHMAN SERIES (WC) MODEL NUMBER WC-6-20-B, 8 GPM 22 PSI.
- PROVIDE NEW STEAM CONDENSATE PUMP WITH INTEGRAL RECEIVER INCLUDING FLOAT SWITCHES AND CONTROLS.
- CONTRACTOR TO VERIFY AVAILABLE ELECTRICAL POWER FOR CONDENSATE RECEIVER PUMP PRIOR TO PREPARING SUBMITTAL AND INCORPORATE FINDINGS IN SUBMITTAL SHOULD FINDINGS DIFFER FROM DOCUMENT INFORMATION.
- CONTRACTOR TO CONFIRM STEAM CONDENSATE PUMP PROPERLY SIZED FOR AHU STEAM HEAT COIL IN AHU PRIOR TO PROVIDING SUBMITTAL.

AIR HANDLING UNIT SCHEDULE																							
MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	AIR FLOW	AIR FLOW				SUPPLY FAN MARK	RETURN OR RELIEF FAN MARK	EXHAUST FAN MARK	PREFILTER 1 MARK	PREFILTER 2 MARK	AFTER FILTER MARK	FINAL FILTER MARK	HEAT RECOVERY MARK	HEAT COIL MARK	COOLING COIL MARK	REHEAT COIL MARK	HUMIDIFIER MARK	REMARKS		
					SUPPLY		MIN OA															RETURN	
					CFM	[L/s]	CFM	[L/s]														CFM	[L/s]
AH-1-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	CUSTOM	VARIABLE	15000	[7100]	2250	[1100]	12750	[6000]	SF-1-AH-1 THRU SF-6-AH-1	-	-	PF-1-SB-1	PF-2-SB-1	-	-	N/A	-	CWC-1-SB-1 CWC-2-SB-1	SHC-1-SB-1 SHC-2-SB-1	-	1-12

CHILLED WATER COOLING COIL SCHEDULE																														
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW	MAX FACE VELOCITY	APD	EAT				LAT				TOTAL CAPACITY	SENSIBLE CAPACITY	CHILLED WATER				REMARKS									
							Db		Wb		Db		Wb				FLOW	EWT	LWT	WPD										
							°F	[°C]	°F	[°C]	°F	[°C]	°F	[°C]								GPM	[L/s]	°F	[°C]	°F	[°C]	FT	[M]	
CWC-1-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	7500	[3500]	500	[31]	0.7	[180]	78.3	[26]	64.8	[18]	54.5	[13]	53.9	[12]	246	[72]	195	[57]	82.7	[5]	44	[7]	56	[13]	7.57	[2]	1, 2, 3
CWC-2-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	7500	[3500]	500	[31]	0.7	[180]	78.3	[26]	64.8	[18]	54.5	[13]	53.9	[12]	246	[72]	195	[57]	82.7	[5]	44	[7]	56	[13]	7.57	[2]	1, 2, 3

STEAM HEATING COIL SCHEDULE																										
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	APPLICATION	AIR FLOW	MAX FACE VELOCITY	APD	TEMPERATURES				TOTAL MIN CAPACITY	ENT CONT VALVE	ENT COIL	STEAM		REMARKS									
								EAT		LAT					FLOW	STEAM TRAP										
								°F	[°C]	°F	[°C]							LBS/HR	[kg/HR]	MARK	LBS/HR	[kg/HR]				
SHC-1-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	HEAT	7500	[3500]	480	[2.54]	0.11	[28]	59	[15]	87	[31]	230	[780]	20	[140]	5	[35]	240	[110]	-	600	[270]	1, 2
SHC-2-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	HEAT	7500	[3500]	480	[2.54]	0.11	[28]	59	[15]	87	[31]	230	[780]	20	[140]	5	[35]	240	[110]	-	600	[270]	1, 2

FAN SCHEDULE																									
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW	TSP	FAN							MOTOR ELECTRICAL							CONTROL SEQUENCE	REMARKS				
						TYPE	WHEEL	CLASS	ARRANGEMENT, ROTATION, AND DISCHARGE	DIAMETER		MIN % EFF	DRIVE	FAN MAX RPM	NOMINAL POWER			PHASE	VOLT			RPM	SPEED CONTROL		
										IN	[mm]				BHP	HP	[kW]								
SF-1-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	2500	[1200]	2.9	[730]	PLENUM	AIRFOIL	-	AXIAL DISCHARGE	13.98	[350]	67.4%	DIRECT	3230	1.57	1.7	[1]	3	208	2600	0-10 VDC	CAV	1, 2
SF-2-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	2500	[1200]	2.9	[730]	PLENUM	AIRFOIL	-	AXIAL DISCHARGE	13.98	[350]	67.4%	DIRECT	3230	1.57	1.7	[1]	3	208	2600	0-10 VDC	CAV	1, 2
SF-3-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	2500	[1200]	2.9	[730]	PLENUM	AIRFOIL	-	AXIAL DISCHARGE	13.98	[350]	67.4%	DIRECT	3230	1.57	1.7	[1]	3	208	2600	0-10 VDC	CAV	1, 2
SF-4-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	2500	[1200]	2.9	[730]	PLENUM	AIRFOIL	-	AXIAL DISCHARGE	13.98	[350]	67.4%	DIRECT	3230	1.57	1.7	[1]	3	208	2600	0-10 VDC	CAV	1, 2
SF-5-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	2500	[1200]	2.9	[730]	PLENUM	AIRFOIL	-	AXIAL DISCHARGE	13.98	[350]	67.4%	DIRECT	3230	1.57	1.7	[1]	3	208	2600	0-10 VDC	CAV	1, 2
SF-6-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	2500	[1200]	2.9	[730]	PLENUM	AIRFOIL	-	AXIAL DISCHARGE	13.98	[350]	67.4%	DIRECT	3230	1.57	1.7	[1]	3	208	2600	0-10 VDC	CAV	1, 2

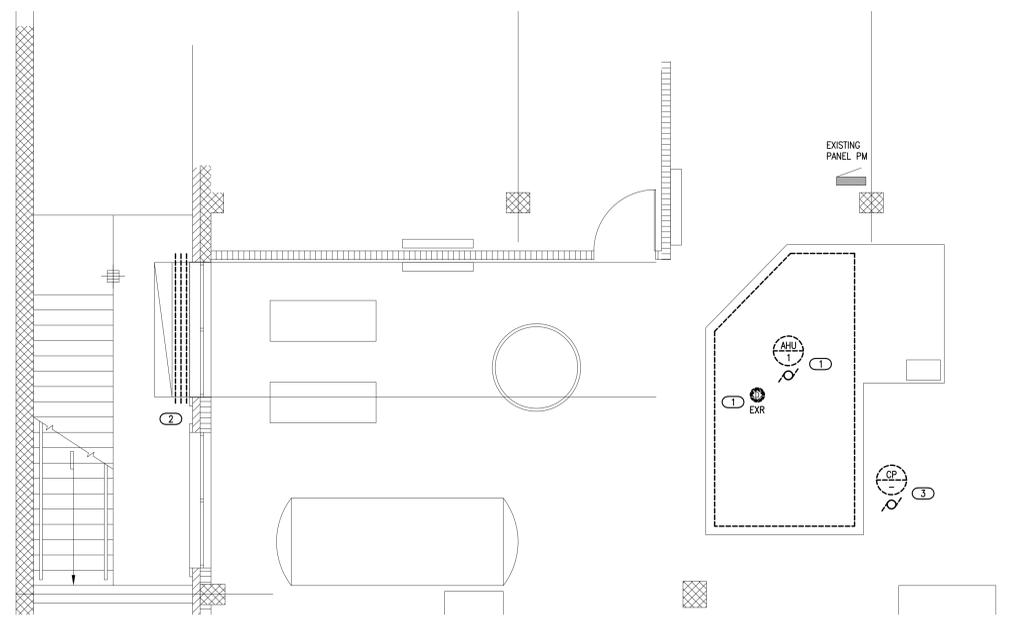
AIR FILTER SCHEDULE															
MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	MERV RATING	AIR FLOW	APD				HOUSING TYPE	#	CARTRIDGES		REMARKS	
						INITIAL		CHANGEOVER				SIZE			
						CFM	[L/s]	IN	[mm]			IN	[mm]		IN
PF-1-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	7	15000	[7100]	.17	[4]	1	[25]	SIDE ACCESS	12	20X24X2	508X610X51	1, 2
PF-2-SB4-1	SB-4 SUB-BASEMENT	B-N-10 MAIN KITCHEN	AH-1-SB4-1	11	15000	[7100]	.35	[9]	1.5	[38]	SIDE ACCESS	12	20X24X4	508X610X102	1, 2

AHU SOUND POWER SCHEDULE													
SYSTEM AND/OR SERVICE	LOCATION	TYPE	UNIT SOUND POWER (DB)								REMARKS		
			63		125		250		500			1000	
			1	2	3	4	5	6	7	8		9	10
AH-1-SB4-1	SB-4 SUB-BASEMENT	RADIATED	64	64	71	55	49	46	46	51	-	-	-
AH-1-SB4-1	SB-4 SUB-BASEMENT	DISCHARGE	65	71	89	73	70	71	72	63	-	-	
AH-1-SB4-1	SB-4 SUB-BASEMENT	RETURN	64	64	72	61	55	56	47	51	-	-	

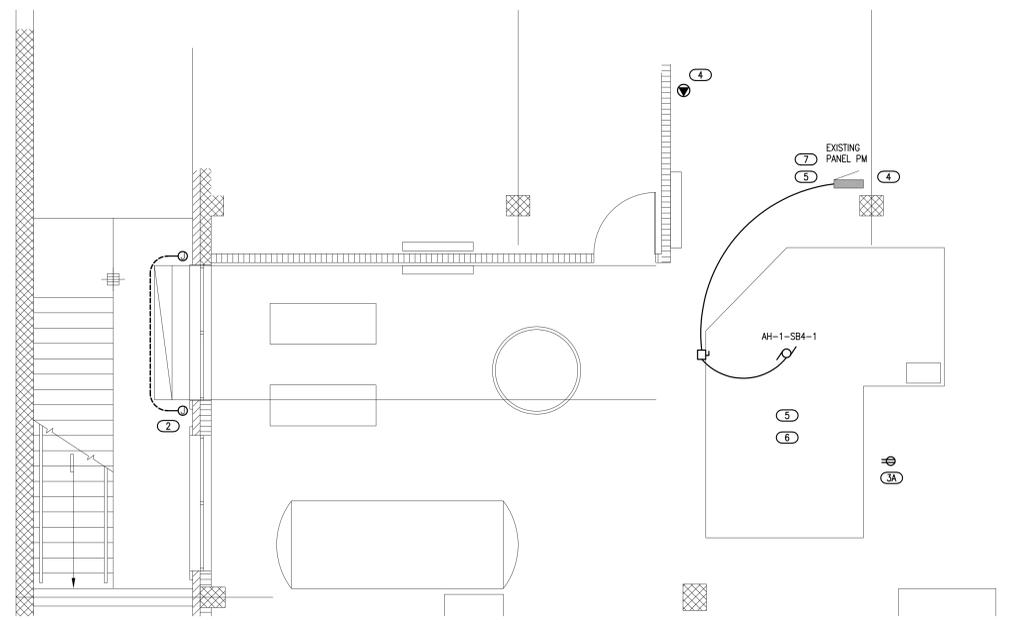
CONSULTANTS:  <small>engineers architects interior designers</small> <small>2800 Van Buren Street, Suite 2004 Houston, TX 77027</small> <small>P: 409.364.7028 E: info@mepproject.com</small> <small>CA# 5121 Expires 06/30/2017</small> <small>MEP PROJECT NO.: P14.15.01</small>		ARCHITECT/ENGINEERS:  <small>1144 AIRPORT BLVD.</small> <small>SUITE 260</small> <small>AUSTIN, TX 78702</small> <small>(866) 226-8071 TELE.</small> <small>(866) 226-9969 FAX</small> <small>WWW.PRIME-ARCH.COM</small>		Drawing Title MECHANICAL - SCHEDULES		Project Title REPLACE AHU KITCHEN BLDG 1		Project Number 667-16-102		Office of Construction and Facilities Management 	
Approved Project Director _____ _____ _____		Location SHREVEPORT, LA		Drawing Number MH-601		Date 03/17/2017		Checked JAU		Drawn JRM	
Revisions: _____ _____ _____		Date _____ _____		Building Number 1		Dwg. 22 of 12					

three inches = one foot
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 one quarter inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 one eighth inch = one foot
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 one eighth inch = one foot

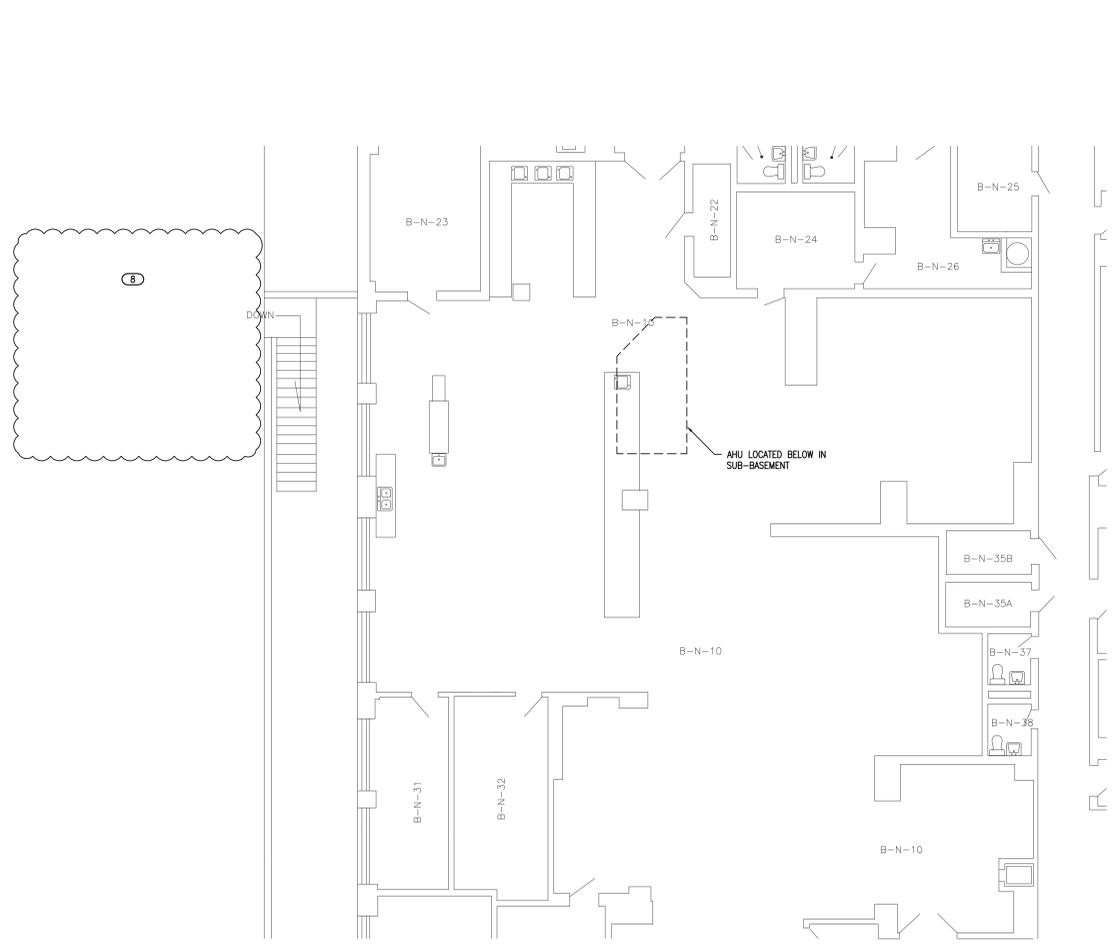
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 one sixteenth inch = one foot



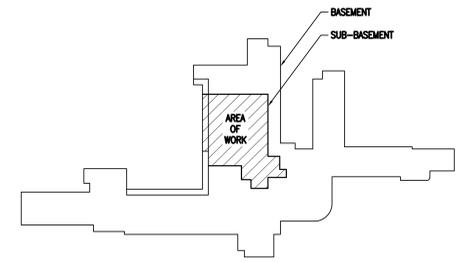
1 ELECTRICAL - SUB BASEMENT - DEMOLITION PLAN
 1/4" = 1'-0"



2 ELECTRICAL - SUB BASEMENT - POWER PLAN
 1/4" = 1'-0"



3 ELECTRICAL - BASEMENT - LOCATION PLAN
 1/8" = 1'-0"



KEYPLAN
 NO SCALE

SYMBOLS LEGEND	
	DUPLEX RECEPTACLE
	J-BOX
	PANEL BOARD
	DISCONNECT
	ELECTRICAL EQUIPMENT CONNECTION
	MOTOR CONNECTION
	DUCT DETECTOR

SYMBOL LINEWEIGHT LEGEND	
	LIGHT SOLID LINES = EXISTING DEVICE(S) TO REMAIN
	HEAVY, DASHED LINES = EXISTING DEVICE(S) TO BE REMOVED
	HEAVY, SOLID LINES = NEW DEVICE(S) TO BE INSTALLED

- GENERAL ELECTRICAL NOTES**
- ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS.
 - SEE ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
 - ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY.
 - INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE.
 - UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.
 - ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE LOCAL BUILDING CODE.
 - PROTECT TELEMETRY AND OTHER LOW VOLTAGE CABLE FROM DEMOLITION OPERATIONS. DO NOT DISRUPT WITHOUT WRITTEN OWNER APPROVAL UPON 5 DAY MINIMUM NOTICE.
 - ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED COSTS AND SCHEDULING OF REQUIRED ELECTRICAL INSPECTIONS.

THIS DEMOLITION PLAN HAS BEEN PREPARED TO ASSIST THE CONTRACTOR IN DETERMINING THE SCOPE OF DEMOLITION WORK TO BE INCLUDED IN THIS PROJECT. THE CONTRACTOR SHOULD REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING DEMOLITION SHOWN FOR OTHER TRADES, AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS, IN ORDER TO DETERMINE THE SCOPE OF DEMOLITION WORK.

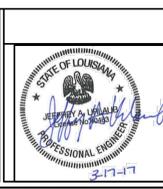
- KEYED NOTES**
- REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE.
 - REMOVE EXISTING ELECTRICAL CONDUIT AND CONDUCTOR THAT RUN THROUGH HVAC DUCT WORK. J-BOXES SHALL BE ADDED AT EACH SITE TO GO AROUND HVAC DUCT. EXTEND CIRCUITS AND MATCH EXISTING CONDUIT AND CONDUCTOR SIZES. REPAIR DUCT AND INSULATION AS REQUIRED.
 - DISCONNECT EXISTING CONDENSATE PUMP (PUMP HAS PLUG FOR POWER). REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE. SALVAGE CIRCUIT.
 - INSTALL NEW RECEPTACLE NEAR NEW CONDENSATE PUMP (OPT-SB4-1) LOCATION. RE-USE SALVAGED CIRCUIT. COORDINATE LOCATION WITH HVAC INSTALLER.
 - 120V DIRECT ELECTRICAL CONNECTION FOR HVAC CONTROL PANEL. CIRCUIT TO NEAREST 120V NON-SWITCHED NORMAL CIRCUIT. PROVIDE NEW 20A/1 CIRCUIT BREAKER IN EXISTING PANEL "PM".
 - NEW DETECTOR SHALL BE SUPPLIED BY EC. INSTALL NEW DETECTOR PER IMC & NFPA REQUIREMENTS. DETECTOR SHALL PROVIDE SIGNAL TO SHUT DOWN POWER TO THE AHU. PROVIDE FIRE ALARM CONTROL MODULE TO PROVIDE SIGNAL TO THE FANS.
 - PROVIDE (2) 120V POWER CONNECTIONS, ONE FOR AHU UV LIGHT AND ONE FOR OTHER AHU LIGHTS. COORDINATE WITH EQUIPMENT PROVIDER. PROVIDE (2) NEW 20A/1 CIRCUIT BREAKER IN EXISTING PANEL "PM".
 - PROVIDE NEW 30A/3 CIRCUIT BREAKER TO FEED NEW AHU. EC SHALL PROVIDE (3) #10(1) #10 GND. CONDUCTORS IN 3/4" CONDUIT.
 - INSTALL TEMPORARY 480V/3 CONNECTION (CONDUITS, CONDUCTORS & CIRCUIT BREAKER) TO TEMPORARY AHU LOCATED IN CLOUDED AREA. VERIFY SIZE REQUIREMENTS WITH SUPPLIER. ADDITIONALLY PLAN TO INSTALL (3) 120V DEDICATED CIRCUITS TO TEMPORARY AHU FOR LIGHTS, CONTROLS AND MISC. COORDINATE REQUIREMENTS WITH HVAC CONTRACTOR. 480V AND 120V CIRCUITS SHALL BE PULLED FROM SUB-BASEMENT EQUIPMENT ROOM SB-4. SEE SHEET "MH102" FOR TEMPORARY AHU SPECIFICATIONS.

- GENERAL NOTES**
- REMOVE, RELOCATE, LIGHTS, FIRE ALARM ETC. AS REQUIRED. ANY DEVICE THAT IS REMOVED TO FACILITATE THE AHU REPLACEMENT SHALL BE REINSTALLED NEAR ITS ORIGINAL LOCATION.
 - EC SHALL REWORK, REROUTE ELECTRICAL J-BOXES, CONDUIT, OUTLETS AND THE LIKE AS REQUIRED FOR NEW INSTALLATIONS. COORDINATE LOCATIONS WITH HVAC TO ACCOUNT FOR MAINTENANCE ACCESS.

Revisions	Date

CONSULTANTS:

MEP ASSOCIATES, LLC
 engineers | consultants | commissioning
 3000 Van Buren Street, Suite 200 | Houston, TX 77072
 P: 402-266-8202 | mep@mepllc.com
 CAP: 5121 | Expired Date: 06/30/2017
 MEP PROJECT NO: P14-15-01



ARCHITECT/ENGINEERS:

PRIME ARCHITECTS
 1144 AIRPORT BLVD.
 SUITE 260
 AUSTIN, TX, 78702
 (866) 226-8071 TELE.
 (866) 226-9969 FAX
 WWW.PRIME-ARCH.COM

Drawing Title
 ELECTRICAL DEMOLITION AND POWER PLANS

Approved Project Director

Project Title
 REPLACE AHU KITCHEN BLDG 1

Location
 SHREVEPORT, LA

Date
 09/17/2017

Checked
 CJS

Drawn
 LA

Project Number
 667-16-102

Building Number
 1

Drawing Number
 E-101
 Dwg. 12 of 12

Office of Construction and Facilities Management
 Department of Veterans Affairs