



AMENDMENT NO. 0003 TO RFP W912DR-04-R-0054  
EFFECTIVE AUG 06, 2004

SPECIFICATIONS (these changes apply to revised specifications reissued by Amendment 0001):

- 1) Section 01050, Paragraph 13.3.3: Change first word in this paragraph to "Upon."
- 2) Section 01320, Paragraph 3.3.4: Delete this paragraph in its entirety.
- 3) Section 09310, Paragraph 3.4: Add the following sentence after the first sentence: "At rooms with floor drains, slope mortar bed to floor drain at ¼-inch per foot."
- 4) Section 11060, Paragraph 2.12.ttt: Replace this subparagraph with the following:

"Followspots must not exceed the following sound pressure levels when measured at the operator's position with a precision sound level meter:

One-Third Octave Band Level (dB re: 20X10 <sup>-6</sup> Pa)					
125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
50	45	45	35	30	25

The ambient noise must be at least 10dB below these values during the measurement of followspot noise.

Should substitute followspots be proposed, submit for review and approval an acoustic test report showing detailed measurement conditions and equipment used."

- 5) Section 16415A, Paragraph 2.10.4: Following the list of lighting fixture types and the paragraph beginning "Refer to Lighting Fixture Schedule . . ." insert the following paragraph:

"Prior to installation, the Electrical Contractor shall schedule a mock-up of a representative example of the following fixture types to resolve final mounting configuration, position and feed method: A, A-1, A-2, B, C, J, K, and M. The meeting shall be scheduled to include the Architect, Electrical Engineer and Lighting Consultant."

DRAWINGS:

- 6) Sheet A-103, Drawing A1, and Sheet A-104, Drawing A1: Add the following note at perimeter floor slab indicated to be removed: "Existing concrete floor is assumed to be a minimum of 4 inches thick over 3 inch thick rolled bituminous fill, installed over an existing underlying concrete slab. Removal of underlying slab is not required."
- 7) Sheet M2.1: Revise as indicated on attached Sketch M2.1-1, dated 8-6-04.
- 8) Sheet M3.2: Revise as shown on attached Sketches M3.2-3 and M3.2-4, dated 8-6-04.
- 9) Sheet M9.1: Revise as shown on attached Sketches M9.1-2, M9.1-3, and M9.1-4, dated 8-6-04.
- 10) Sheet P7.1: Revise as indicated in sketch P7.1-1 dated 8-6-04.
- 11) Sheet E4.4 (disregard amendment number on sketches for this sheet):
  - a) Part Plan – Fire Pump Enclosure: Replace as shown on attached Sketches E4.4A and E4.4B, dated 7-30-04.
  - b) Add detail per attached Sketch E4.4C, dated 7-30-04.
  - c) Partial Part Plan Mechanical Room: Revise per attached Sketch E4.4D, dated 7-30-04.

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ATTACHMENTS:

- 1) Sketches M2.1-1, M3.2-3, M3.2-4, M9.1-2, M9.1-3, M9.1-4, P7.1-1, dated 8-6-04.
- 2) Sketches E4.4A, E4.4B, E4.4C.and E4.4D, dated 7-30-04.

## DRAWING NOTES:

- ① EXHAUST DUCT SHALL BE TIGHT TO CEILING, SLOPE DUCTWORK WITH CEILING.
- ② 1" CONDENSATE DRAIN, DISCHARGE AT GRADE. PROVIDE CONCRETE SPLASH BLOCK
- ③ 52x46 SA UP, FOR CONT. REFER TO DWG. M2.3
- ④ 58x46 SA UP, FOR CONT. REFER TO DWG. M2.3
- ⑤ 72x72 CLEAR OPENING
- ⑥ 8'-0" HIGH x 8'-0" WIDE x 18'-6" LONG RETURN AIR PLENUM. DIMENSIONS ARE INSIDE CLEAR MINIMUM.
- ⑦ EXISTING 4" DIAMETER RAIN LEADER
- ⑧ EGG CRATE RETURN AIR GRILLES, REFER TO ARCHITECTURAL DRAWINGS FOR INSTALLATION DETAILS AND ADDITIONAL REQUIREMENTS.
- ⑨ 6" CHS, 6" CHR, 4" HS, 4" HR & 1" CW UP IN CHASE, FOR CONTINUATION REFER TO DRAWING M2.3
- ⑩ 8" CHS, 8" CHR, 4" HS, & 4" HR UP IN CHASE, FOR CONTINUATION REFER TO DRAWING M2.3**
- ⑪ 1" CW, FOR CONTINUATION REFER TO DWG. P2.2
- ⑫ 1" CW UP IN CHASE, FOR CONTINUATION REFER TO DWG. M2.3

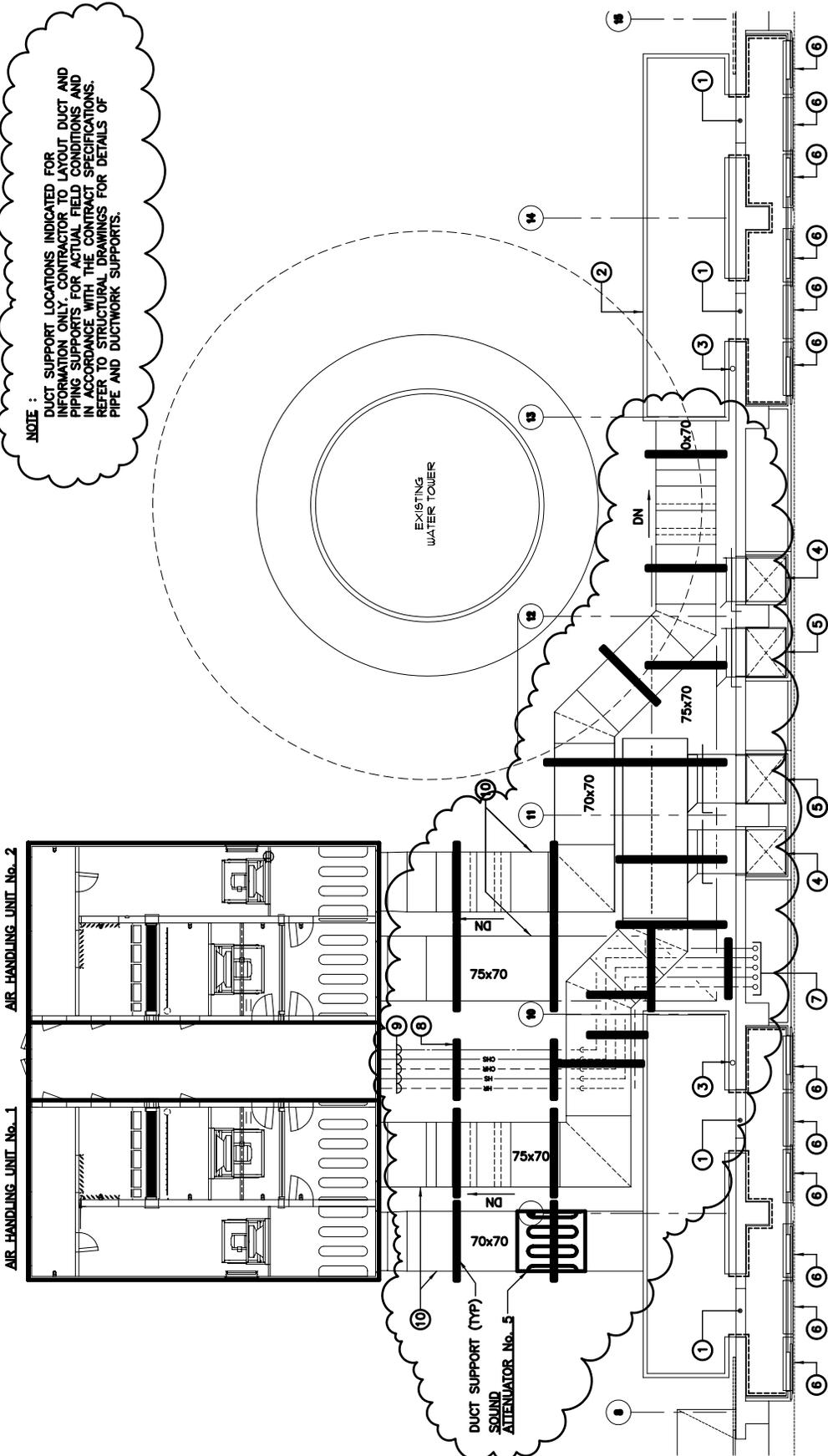


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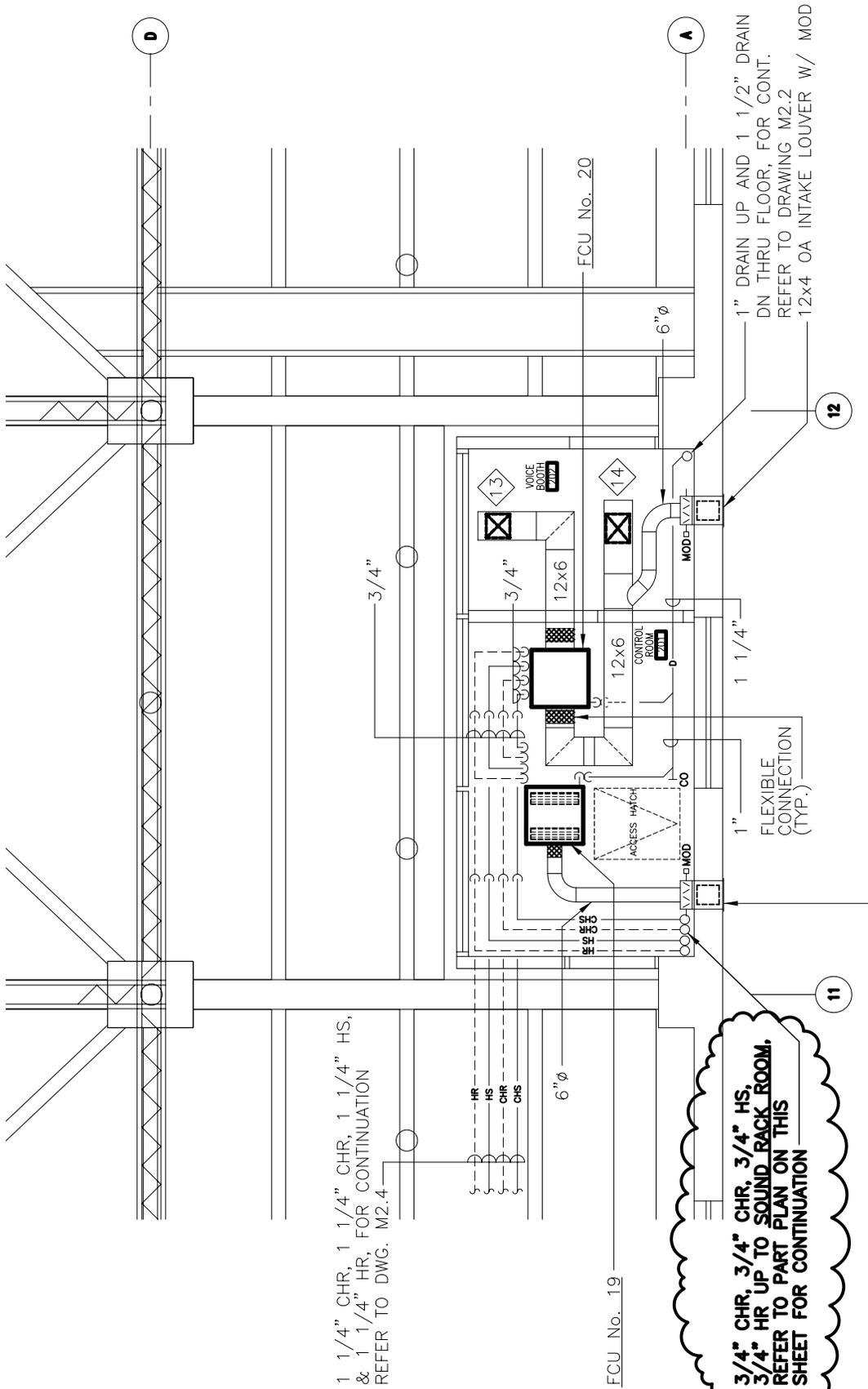
<b>PROJECT: RENOVATIONS TO CONMY HALL                  BUILDING 241, FORT MYER                  ARLINGTON, VA                  AMENDMENT No. 3</b>	DATE:	08-06-04	<b>DRAWING #  M2.1-1</b>
	SCALE:	AS NOTED	
	JOB NO.	020201	
	REFERENCE DWG .NO.	M2.1	

**NOTE :**  
 DUCT SUPPORT LOCATIONS INDICATED FOR  
 INFORMATION ONLY. CONTRACTOR TO LAYOUT DUCT AND  
 PIPING SUPPORTS FOR ACTUAL FIELD CONDITIONS AND  
 IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.  
 REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF  
 PIPE AND DUCTWORK SUPPORTS.



**PART PLAN -- EXTERIOR AIR HANDLING UNITS**  
 SCALE: 1/8" = 1'-0"

PROJECT: <b>RENOVATIONS TO CONMY HALL          BUILDING 241, FORT MYER          ARLINGTON, VA          AMENDMENT No. 3</b>	DATE:	08-06-04	DRAWING #  <b>M3.2-3</b>
	SCALE:	AS NOTED	
	JOB NO.	020201	
	REFERENCE DWG .NO.	M3.2	



**PART PLAN -- CONTROL ROOM MECHANICAL NEW WORK**

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

**3/4" CHR, 3/4" CHR, 3/4" HS, 3/4" HR UP TO SOUND RACK ROOM, REFER TO PART PLAN ON THIS SHEET FOR CONTINUATION**

<b>PROJECT: RENOVATIONS TO CONMY HALL BUILDING 241, FORT MYER ARLINGTON, VA AMENDMENT No. 3</b>	DATE:	08-06-04	DRAWING #  <b>M3.2-4</b>
	SCALE:	AS NOTED	
	JOB NO.	02020I	
	REFERENCE DWG .NO.	M3.2	

## SOUND ATTENUATOR SCHEDULE

No.	FAN SYSTEM	LOCATION	DIMENSIONS INCHES W x H x L	DYNAMIC INSERTION LOSS (DB)								FLOW CFM	A.P.D. IN. OF H <sub>2</sub> O	BASED ON
				1	2	3	4	5	6	7	8			
				63	125	250	500	1,000	2,000	4,000	8,000			
1	SUPPLY	AIR HANDLING UNIT 1	114.5x87.25x60	8	5	16	28	42	38	19	15	26,935	0.03	HAAKON MODEL LZR *
2	SUPPLY	AIR HANDLING UNIT 2	114.5x87.25x60	8	5	16	28	42	38	19	15	26,935	0.03	HAAKON MODEL LZR *
3	RETURN	AIR HANDLING UNIT 1	86.25x87.25x60	8	5	16	28	42	38	19	15	25,000	0.07	HAAKON MODEL LZR *
4	RETURN	AIR HANDLING UNIT 2	86.25x87.25x60	8	5	16	28	42	38	19	15	25,000	0.07	HAAKON MODEL LZR *
5	RETURN	AIR HANDLING UNIT 1	70.0x70.0x60.0	6	12	22	35	34	26	15	12	25,000	0.15	VIBRO-ACOUSTICS RD-MLV-F4

\* VALUES INDICATED FOR SOUND ATTENUATOR 1 THRU 4 ARE FOR INFORMATION ONLY. TOTAL SYSTEM MAXIMUM POWER LEVEL LIMITS ARE WITHIN CONTRACT SPECIFICATIONS, REFER TO SECTION 15720N



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DATE: 08-06-04  
 SCALE: AS NOTED  
 JOB NO. 020201  
 REFERENCE DWG .NO. M9.1

DRAWING #  
**M9.1-2**

## PUMP SCHEDULE

PUMP No.	SERVICE	GPM	FT. OF HEAD	HP	RPM	DISCHARGE PRESSURE, PSI	ELECT. CHAR.	BASED ON
							V/φ/Hz	
1	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
2	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
3	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
4	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
5	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
6	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
7	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
8	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
9	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
10	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
11	CONDENSATE REMOVAL	20	8.0	1/60	3500	-	120/1/60	LITTLE GIANT PUMP COMPANY MODEL VCMA-15
12	HEATING WATER (PRIMARY)	200	120	15	1760	-	480/3/60	TACO MODEL FE3013
13	HEATING WATER (STANDBY)	200	120	15	1760	-	480/3/60	TACO MODEL FE3013
14	CHILLED WATER (PRIMARY)	350	50	10	1760	-	480/3/60	TACO MODEL FE2508
15	CHILLED WATER (PRIMARY)	350	50	10	1760	-	480/3/60	TACO MODEL FE2508
16	NOT USED	-	-	-	-	-	-	-
<b>17</b>	<b>CONDENSATE</b>	<b>20</b>	<b>80</b>	<b>1.0</b>	<b>3450</b>	<b>40.0</b>	<b>480/3/60</b>	<b>FEDERAL PUMP CO. CCV-2040, 15 GAL. RECEIVER</b>
18	FIRE PUMP	500	105	20.0	3700	45.0	480/3/60	PUMP PROVIDED BY FIRE PUMP HOUSING MFR.
19	JOCKEY PUMP	14	130	1.0	3500	56.0	480/3/60	PUMP PROVIDED BY FIRE PUMP HOUSING MFR.
20	SIMPLEX SUMP PUMP	40	12.0	0.30	1550	-	120/1/60	RE-USE EXISTING SUMP PIT IN MECH ROOM
21	CHILLED WATER (SECONDARY)	700	120	40	1760	-	480/3/60	TACO MODEL FE5013
22	CHILLED WATER (SECONDARY)	700	120	40	1760	-	480/3/60	TACO MODEL FE5013
23	PRE-HEAT COIL PUMP	9.7	15	1/9	3250	-	120/1/60	TACO MODEL 0012
24	PRE-HEAT COIL PUMP	9.7	15	1/9	3250	-	120/1/60	TACO MODEL 0012



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**DATE: 08-06-04**  
**SCALE: AS NOTED**  
**JOB NO. 020201**  
**REFERENCE DWG .NO. M9.1**

**DRAWING #**  
**M9.1-3**

# MECHANICAL EQUIPMENT LIST:

1. STEAM TO WATER HEAT EXCHANGER :

2000 MBH HEAT TRANSFER  
 TUBE SIDE (HEATING WATER SYTEM)  
 200 GPM FLOW RATE  
 160°F. ENTERING WATER TEMPERATURE  
 180°F. LEAVING WATER TEMPERATURE  
 4.7 FPS TUBE VELOCITY  
 2.6 FT. MAX. WPD  
 .0005 FOULING FACTOR  
 SHELL SIDE (LOW PRESSURE STEAM)  
 5 PSIG ENTERING STEAM  
 2030 LBS/HR INPUT  
 10 3/4"Ø DIA. x 60" LONG  
 2-PASS  
 70 SQ. FT. MIN. HEATING SURFACE AREA  
 BASED ON: TACO MODEL E-10210-S

2. AIR COOLED CHILLER No. 2 :

160 TON CAPACITY  
 CONDENSER FANS: (TYPICAL OF 8)  
 TOTAL CFM: 124,000  
 HORSEPOWER: 3.0 EACH  
 TOTAL FLOW: 350 GPM  
 55°F. ENTERING WATER TEMPERATURE  
 45°F. LEAVING WATER TEMPERATURE  
 BASED ON: YORK MODEL YCA-J76SU6

3. ELECTRIC STEAM HUMIDIFIER :

TYPICAL OF 2, LOCATED AT AHU No. 1 AND AHU No. 2  
 400 LBS/HR  
 NUMBER OF TUBES = 6 EACH  
 DISPERSION TUBE TYPE  
 120V/1Ø/60Hz

4. HEATING WATER CAPTIVE AIR EXPANSION TANK :

119 GALLON TANK VOLUME, 24" DIAMETER x 78" TALL, 20 PSIG FILL PRESSURE, 30 PSIG OPERATING PRESSURE, HORIZONTAL INSTALLATION, SELECTION BASED ON TACO CA SERIES

5. CHILLED WATER CAPTIVE AIR EXPANSION TANK :

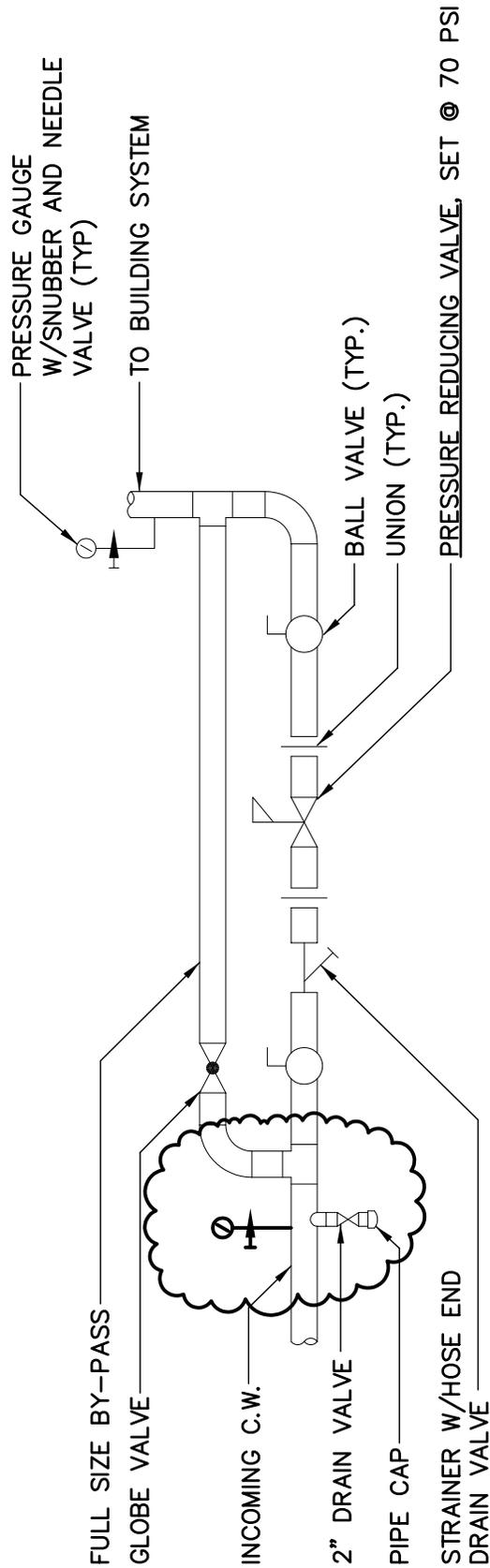
37 GALLON TANK VOLUME, 20" DIAMETER x 40" TALL, 12 PSIG FILL PRESSURE, 30 PSIG OPERATING PRESSURE, HORIZONTAL INSTALLATION, SELECTION BASED ON TACO CA SERIES



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	SCALE:	AS NOTED	
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	REFERENCE DWG .NO.	M9.1	



**DETAIL -- TYPICAL INCOMING DOMESTIC WATER SERVICE**

NO SCALE



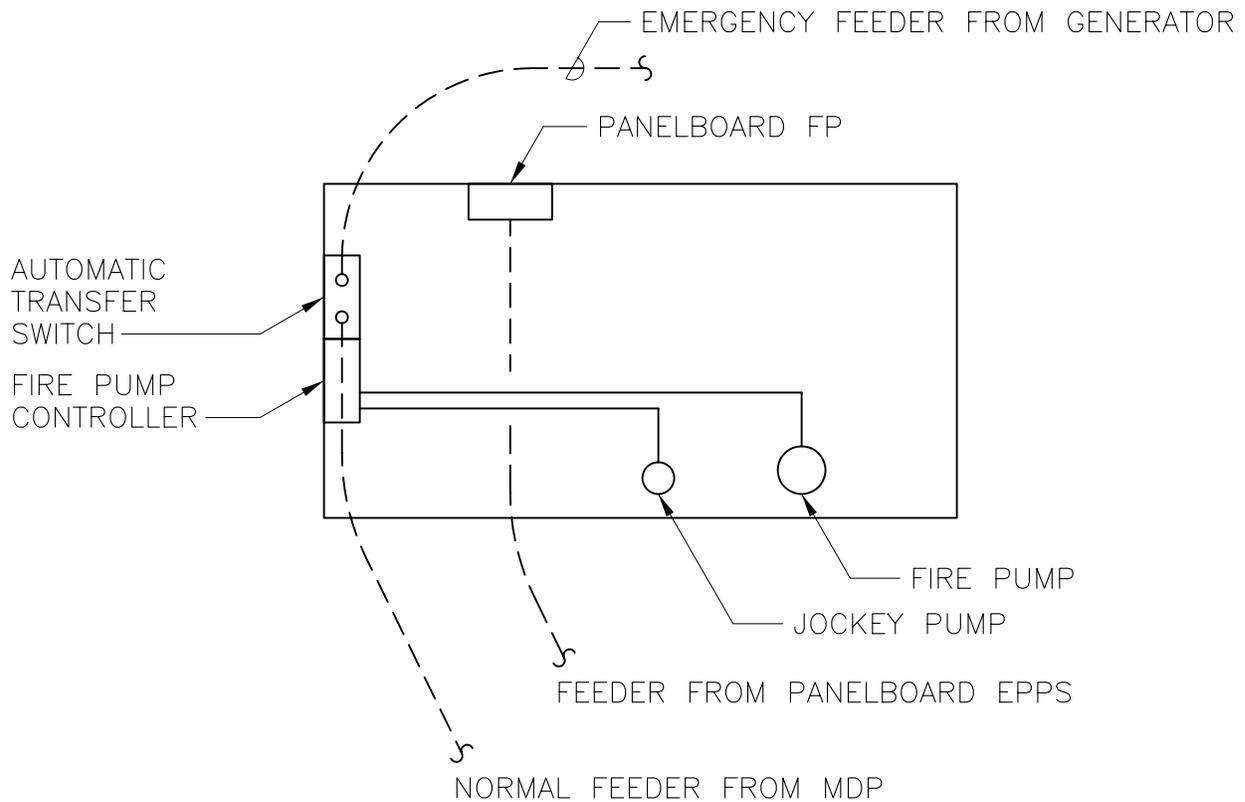
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 REFERENCE DWG .NO. P7.1

DRAWING #  
**P7.1-1**



# PART PLAN – FIRE PUMP ENCLOSURE

NO SCALE



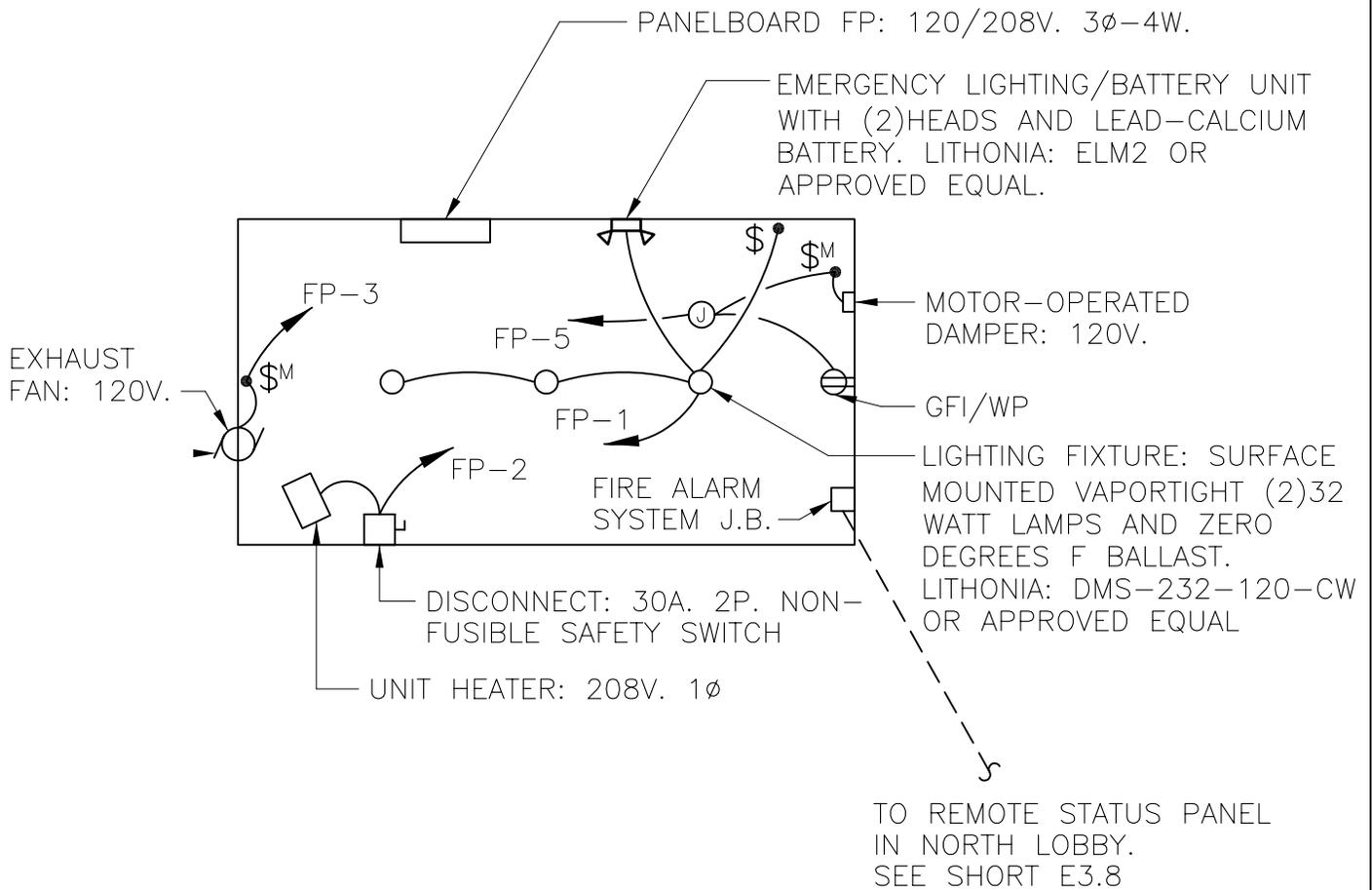
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DATE: 07-30-04  
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JOB NO. 020201  
REFERENCE DWG .NO. E4.4

DRAWING #  
**E4.4A**

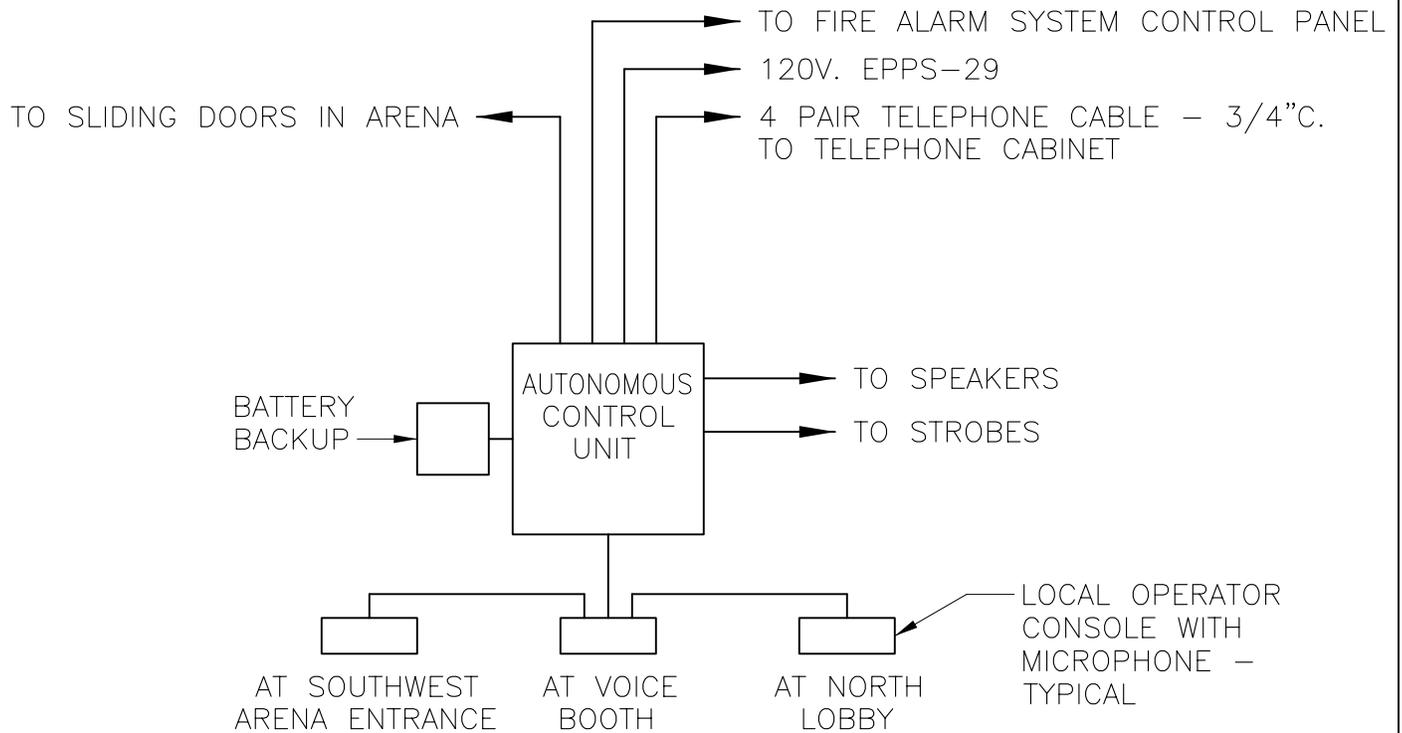


# PART PLAN – FIRE PUMP ENCLOSURE

NO SCALE

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PROJECT: RENOVATIONS TO CONMY HALL BUILDING 241, FORT MYER ARLINGTON, VA AMENDMENT No.1	DATE:	07-30-04	DRAWING #  <span style="font-size: 1.5em;">E4.4B</span>
	SCALE:	AS NOTED	
	JOB NO.	020201	
	REFERENCE DWG .NO.	E4.4	

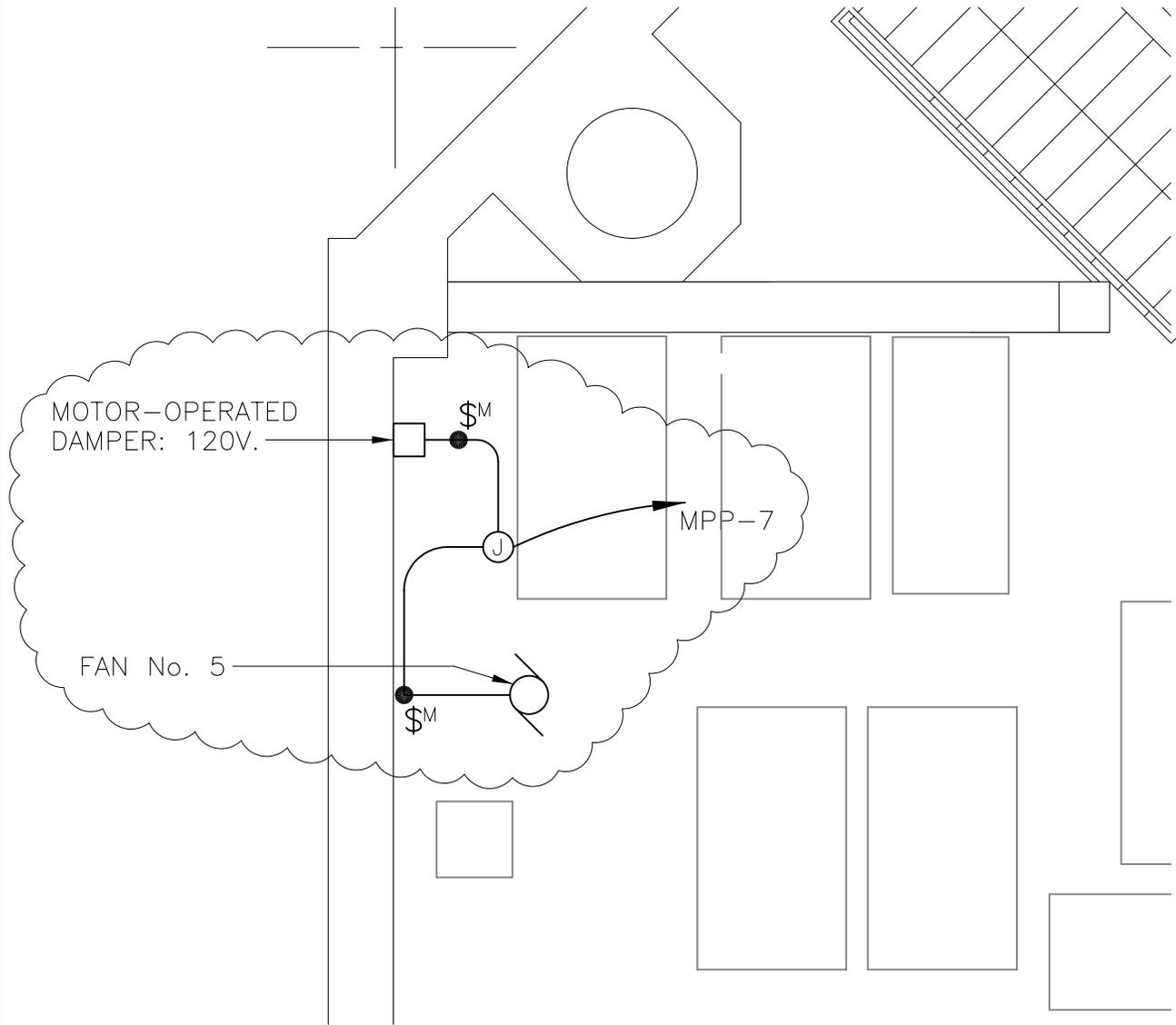


## MASS NOTIFICATION SYSTEM SCHEMATIC DIAGRAM

- NOTES: 1. PROVIDE MASS NOTIFICATION SPEAKER WITH LABEL ADJACENT TO EACH FIRE ALARM SYSTEM VOICE EVACUATION SPEAKER.
2. PROVIDE MASS NOTIFICATION STROBE WITH LABEL ADJACENT TO EACH FIRE ALARM SYSTEM STROBE.

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PROJECT: <b>RENOVATIONS TO CONMY HALL BUILDING 241, FORT MYER ARLINGTON, VA AMENDMENT No.1</b>	DATE: 07-30-04	DRAWING #  <b>E4.4C</b>
	SCALE: AS NOTED	
	JOB NO. 020201	
	REFERENCE DWG .NO. E4.4	



PARTIAL PART PLAN  
MECHANICAL ROOM

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



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



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REFERENCE DWG .NO. E4.4

DRAWING #  
E4.4D