



Mechanical & Electrical Consulting Engineers

Bidding and Contract Requirements

Addendum No. 2

Date: December 27, 2019

To: Plan Holders

Subject: Addendum No. 2 to the Bidding Documents for: ITB No. 2020-001

METCAD Mechanical System Replacement Project
1905 East Main Street
Urbana, Illinois 61802

Addendum No. 2 becomes a part of the bidding and contract documents and modifies the original bidding documents, dated December 4, 2019. Acknowledge receipt of Addendum No. 2 in the space provided on Bid Form. **FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.**

Specifications

1. Section – 00 1116 – Invitation to Bid
 - a. Final Completion: Monday, June 15, 2020.
2. Section – 00 1000 - Summary
 - a. Project Description Base Bid- Replace with:
 - i. “Project consists of removal and replacement of existing boilers and hot water system pumps and extension of hot water system to serve lower level. Removal and replacement of AHU-3 and all associated ductwork and piping with new VAV system. Removal and replacement of two hanging air handlers in lower level. Removal of several existing R22 air cooled condensing units to be replaced with R410A units. Controls upgrades.”
3. Section – 23 0510 –
 - a. 2.14 Water Circulating Pumps:
 - i. Replace entire section with:

“CLOSE-COUPLED, IN-LINE CENTRIFUGAL PUMPS

- a. Manufacturers:
 1. Armstrong Pumps Inc.
 2. Bell & Gossett
 3. Burks Pumps
 4. Demming Div; Crane Co.
 5. Flowserve Corporation; Div. of Ingersoll-Dresser Pumps.
 6. Grundfos Pumps Corporation.
 7. Little Giant Pump Co.; Subsidiary of Tecumseh Products Co.
 8. MEPCo (Marshall Engineered Products Co.)
 9. PACO Pumps
 10. Patterson Pump Co.; a Subsidiary of The Gorman-Rupp Co.

Mechanical & Electrical Consulting Engineers

11. Peerless Pump; a Member of the Sterling Fluid Systems Group.
 12. Taco, Inc.
 13. Thrush Company Inc.
 14. Weinman; Div. of Crane Pumps & Systems
- b. Description: Factory-assembled and -tested, centrifugal, overhung-impeller, close-coupled, in-line pump as defined in HI 1.1-1.2 and HI 1.3; designed for installation with pump and motor shafts mounted horizontally or vertically.
- c. Pump Construction:
- i. Casing: Radially split, cast iron, with threaded gauge tappings at inlet and outlet with replaceable bronze wear rings and threaded companion-flange connections.
 - ii. Impeller: ASTM B584, cast bronze; statically and dynamically balanced, keyed to shaft, and secured with a locking cap screw. For constant-speed pumps, trim impeller to match specified performance.
 - iii. Pump Shaft Sleeve: copper alloy.
 - iv. Pump Stub Shaft: steel.
 - v. Seal: Mechanical seal consisting of carbon rotating ring against a ceramic seat held by a stainless steel spring, and Buna-N bellows and gasket. Include water slinger on shaft between motor and seal.
 - vi. Seal Flushing: Flush, cool, and lubricate pump seal by directing pump discharge water to flow over the seal.
- d. Shaft Coupling: Rigid, axially-split spacer coupling to allow service of pump seal without disturbing pump or motor.
- e. Motor: Comply with NEMA designation, temperature rating, service factor, and efficiency requirements for motors specified in Section 230513 "Common Motor Requirements for HVAC Equipment."
- i. NEMA Premium Efficient motors as defined in NEMA MG 1.
 - ii. Motor Sizes: Minimum size as indicated. If not indicated, large enough so driven load will not require motor to operate in service factor range above 1.0.
 - iii. Controllers, Electrical Devices, and Wiring: Comply with requirements for electrical devices and connections specified in electrical Sections.
 - iv. Variable-speed motor.
 - v. Provide integral pump motor variable-speed controller."
- b. 2.18 Centrifugal Pumps with Floor-Mounted Receiver:
- i. Remove section in its entirety.

Drawings

Mechanical & Electrical Consulting Engineers

1. Sheet C-1 – Cover Sheet
 - a. Add note: “Lower level will be completely unoccupied during construction.”
 - b. Add note: “Existing boilers cannot be taken offline until end of heating season. Coordinate with Owner.”
2. Sheet HD-2 – First Floor Plan – Heating Demolition
 - a. Keyed note 1: Add “remove reheat coil actuator.”
3. Sheet H-2 – First Floor Plan – Heating
 - a. Replace reheat coil actuators as part of DDC upgrade and BAS integration.
 - b. Keyed note #6: Add “Reuse existing housekeeping pad.”
 - c. Existing RPZ to remain.
 - d. Replaced keyed note 13 with: “Provide and install new AX-60 horizontal expansion tank with 33.6 gal volume and 11.3 gal acceptance.”
4. Sheet H-3 – Roof Plan – Heating
 - a. AHU-3 ventilation air intake gooseneck removed from this sheet.
5. Sheet V-1 – Lower Level Floor Plan – Ventilation – See Attached Revised Sheet V-1
 - a. Routed AHU-3 ventilation air intake through area well.
 - b. General Notes – Replace Note 9 with the following: “Protect sprinkler heads during ceiling removal and ceiling reinstallation. Provide new (concealed/recessed pendant; white) head, center of tile. Approximately 150 sprinklers. Field verify exact amount of sprinkler heads”
6. Sheet V-2 – First Floor Plan – Ventilation – See Attached Revised Sheet V-2
 - a. Routed AHU-3 ventilation air intake through area well, cut metal cover for area well and mount riser to wall. Terminate in louver under roof overhang as shown.
7. Sheet V-3 – Heating + Ventilation Details – See Attached Revised Sheet V-3
 - a. Add V-3/8
8. Sheet ED-1 – First Floor Plan – Electrical Demolition
 - a. There are roughly (75) existing grid mounted lights in the lower level. Field verify exact number and location.

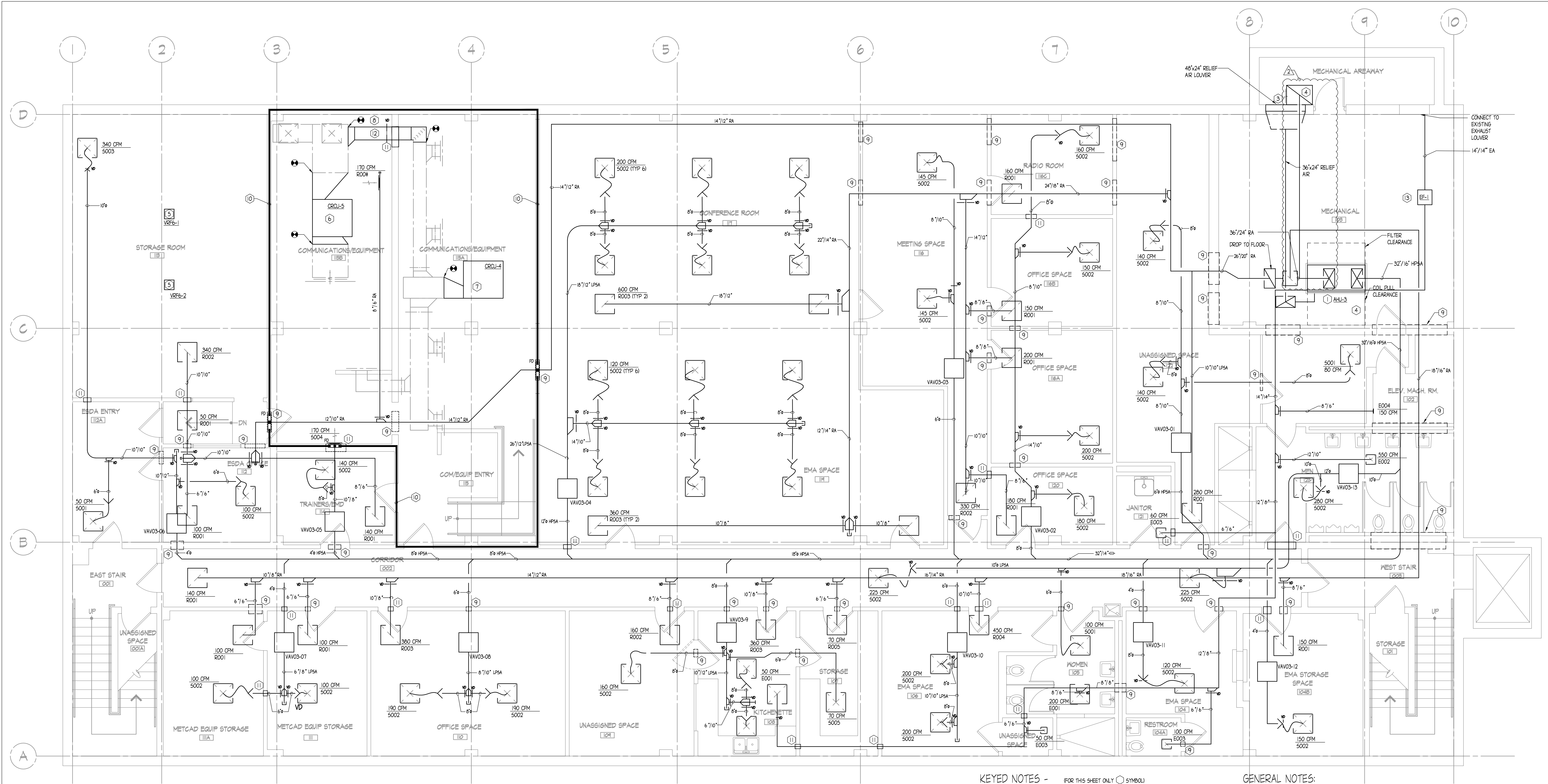
Bids are due Friday, January 3, 2020 at 2:00 p.m. central time at the Lyle Shields Conference Room, Brookens Administrative Center, 1776 East Washington, Urbana, Illinois.

Respectfully submitted,

GHR Engineers and Associates, Inc.

Sophie Hall, EIT
Project Manager
Phone: 217-356-0536
Fax: 217-356-1092

MSH



LOWER LEVEL FLOOR PLAN - VENTILATION
SCALE: 1/4" = 1'-0"

NOTES: 1. ALL -1/2" DUCT TAGS REPRESENT RECTANGULAR DUCT
2. ALL -1/4" DUCT TAGS REPRESENT OVAL DUCT
3. ALL HPSA MAINS TO BE DOUBLE WALL. HPSA TAKEOFFS FROM TAP TO INLET OF VAV BOX ARE SINGLE WALL WRAPPED.
4. AVAILABLE HEIGHT ABOVE CORRIDOR CEILING AND BELOW STRUCTURE.

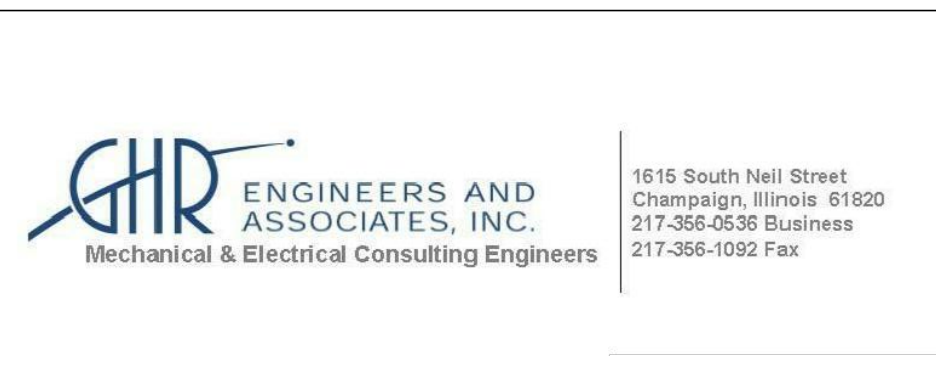
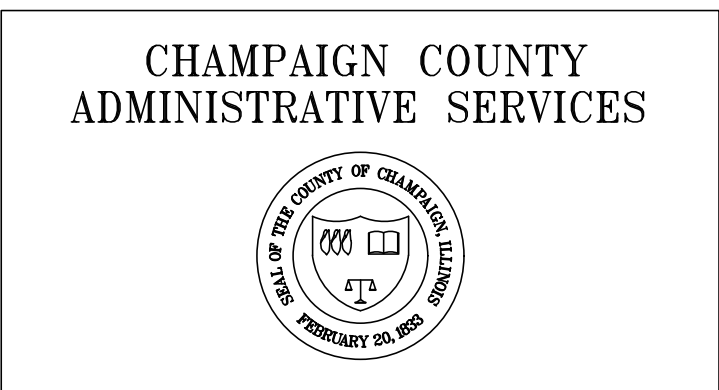
KEYED NOTES - (FOR THIS SHEET ONLY) SYMBOL

1. PROVIDE & INSTALL NEW AHU-3 ON NEW 4" TALL DOWEL RODDED HOUSEKEEPING PAD, 6" LARGER THAN UNIT ON ALL SIDES. SEE AHU SCHEDULE SHEET V-3.
2. CONNECT NEW AHU-3 36x24 RELIEF AIR DUCT TO EXISTING LOUVER. BLANK OFF UNUSED PORTION OF LOUVER.
3. ROUTE NEW 32x24" OUTDOOR AIR DUCT THROUGH TOP PORTION OF EXISTING LOUVER AS SHOWN. ANCHOR RISER TO EXTERIOR WALL.
4. PROVIDE AND INSTALL NEW DUCTLESS VRF CEILING CASSETTE. SEE SCHEDULE, SHEET V-3.
5. PROVIDE AND INSTALL NEW CRUJ-5. INSTALL DUCTWORK AS SHOWN, CONNECTING TO DUCTWORK FROM AHU-4. SEE SCHEDULE OF COMPUTER ROOM COOLING UNITS H-4.
6. ALTERNATE #2: PROVIDE AND INSTALL NEW CRUJ-4. SEE SCHEDULE OF COMPUTER ROOM COOLING UNITS H-4.
7. INSTALL VOLUME DAMPER IN DUCTWORK AS SHOWN.
8. RE-USE EXISTING WALL OPENING FOR NEW DUCTWORK. MODIFY AS REQUIRED. PATCH AND SEAL UNUSED PORTIONS OF WALL OPENING AS REQUIRED.
9. PATCH AND SEAL EXISTING UNUSED OPENINGS AS REQUIRED TO SEAL I15A AND I15B OFF FROM THE REST OF LEVEL 0 FOR EXISTING INERT GAS FIRE SUPPRESSION SYSTEM.
10. CUT AND PATCH NEW OPENING ABOVE CEILING FOR DUCTWORK.
11. CONNECT CRUJ-5 SUPPLY DUCT TO CRUJ-4 EXISTING SUPPLY DUCT. SIZE NEW CONNECTION TO MATCH EXISTING CRUJ-4 DUCT.
12. NEW EXHAUST FAN. SEE EXHAUST FAN SCHEDULE SHEET V-3.

GENERAL NOTES:

1. COORDINATE ALL WORK AND PENETRATIONS THROUGH THE WALLS WITH STRUCTURE, OWNER AND OTHER TRADES.
2. INSTALL ALL EQUIPMENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. FIELD VERIFY EXISTING CONDITIONS TO COORDINATE FOR INSTALLATION OF NEW WORK AND EQUIPMENT.
4. VERIFY PROPER OPERATION OF EXISTING HOT WATER SYSTEM.
5. FIELD VERIFY ALL EXISTING PIPE SIZES FOR NEW CONNECTIONS.
6. COORDINATE RIVAL POWER AND CONTROL WIRING CONNECTIONS WITH ELECTRICAL AND TEMPERATURE CONTROL SUB-CONTRACTOR.
7. SEE GRILLES, REGISTERS & DIFFUSERS SCHEDULE SHEET V-3 FOR NECK SIZES.
8. G.C. TO INSTALL NEW CEILING GRID AND LAY-IN CEILING FOR ALL ROOMS IN LEVEL 0 EXCEPT FOR I15A AND I15B.
9. PROTECT SPRINKLER HEADS DURING CEILING REMOVAL AND CEILING REINSTALLATION. PROVIDE NEW (CONCEALED/RECESSED PRADIANT WHITE) HEAD CENTER OF TILE. APPROX. 150 SPRINKLERS. FIELD VERIFY EXACT AMOUNT OF SPRINKLER HEADS.

DATE	NO.	DESCRIPTION
DEC. 20, 2019	1	ADDENDUM #1
DEC. 27, 2019	2	ADDENDUM #2



LOWER LEVEL FLOOR PLAN - VENTILATION
911 METCAD EMERGENCY COMMUNICATIONS CENTER
CHAMPAIGN COUNTY OFFICE BUILDING
1905 E. MAIN ST. URBANA, ILLINOIS

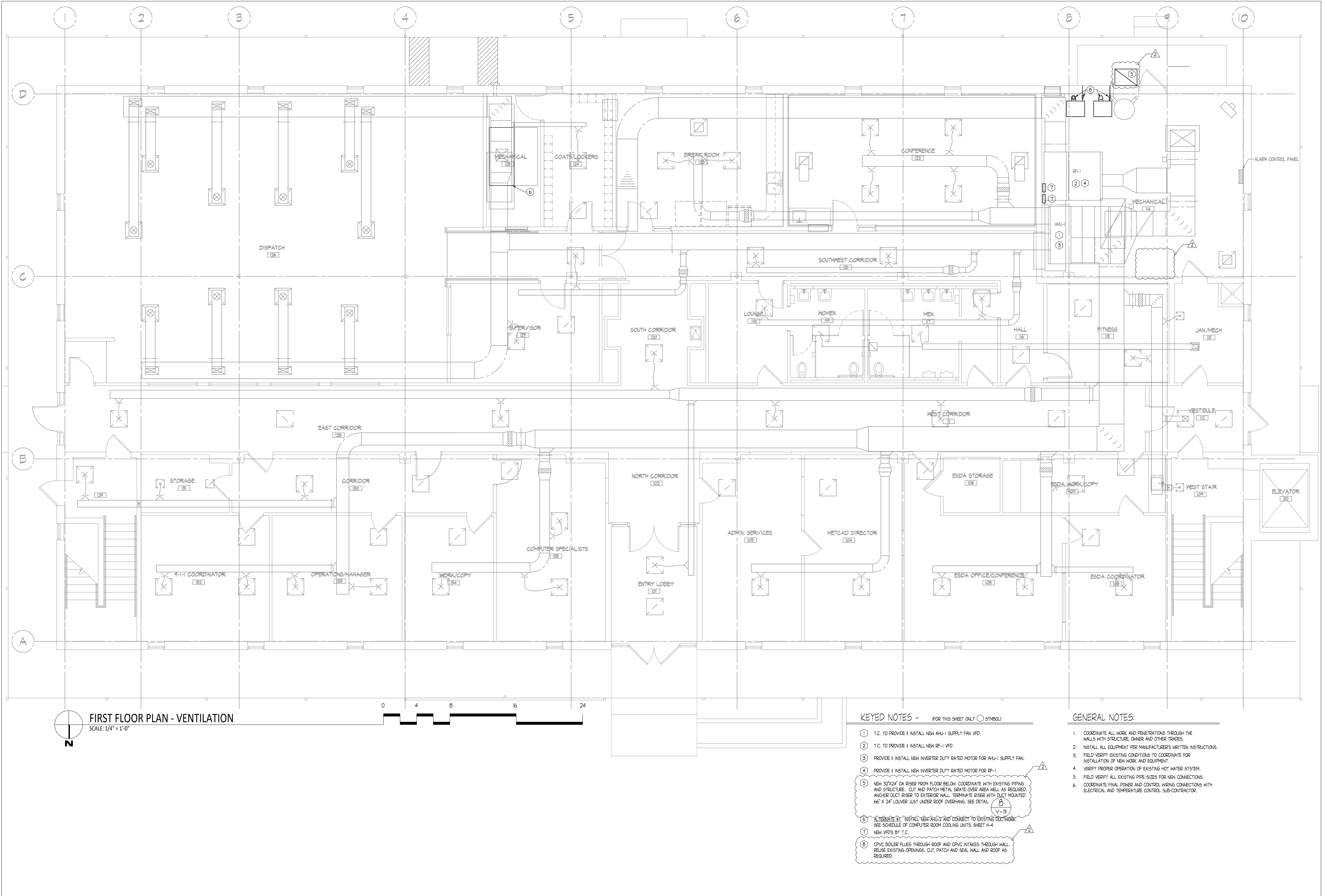
SEAL

DRAWN: MSH
DATE: DEC 4, 2019
BID DOCUMENTS
PROJECT: 7205

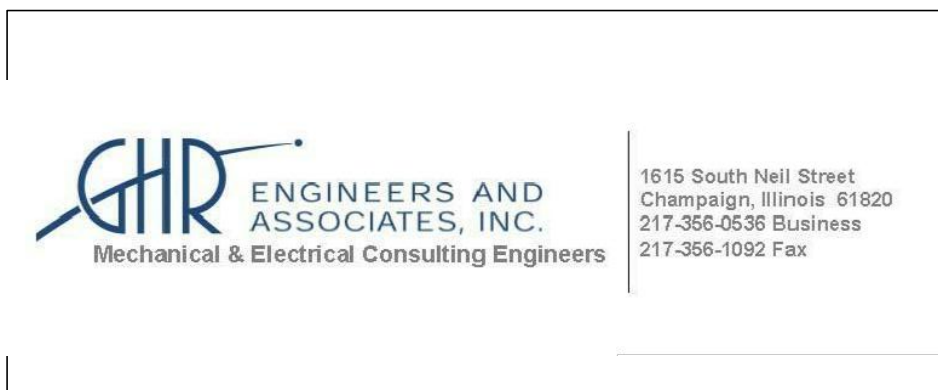
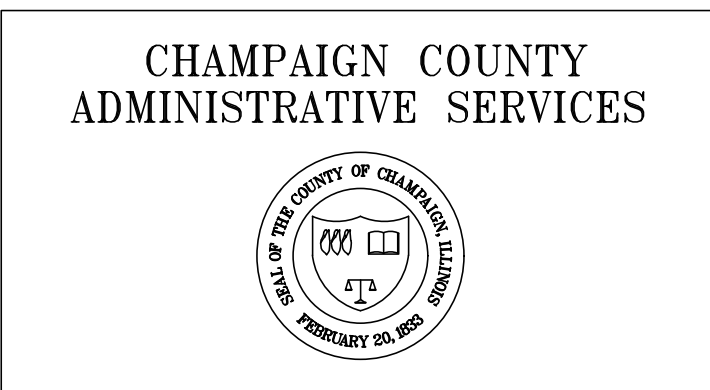
APPROVED: JNG

SHEET: V-1

FILE: H:\GHR Projects\7205 - Metcad Building - 1905 East Main - Mechanical Electrical Study\HVAC\01 - Worksheets\7205 - V-2.dwg
PRINTED: 12/27/2019

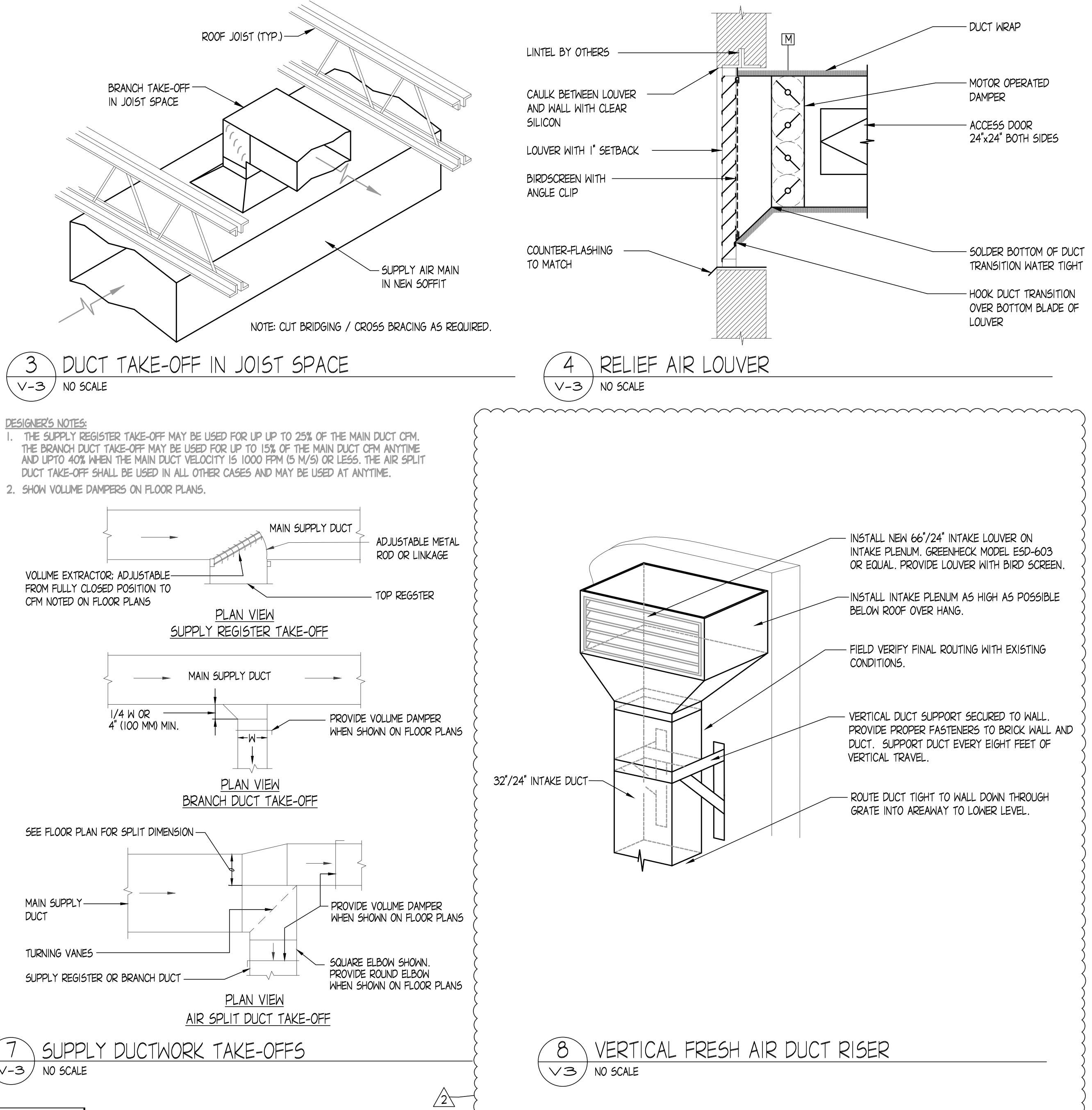
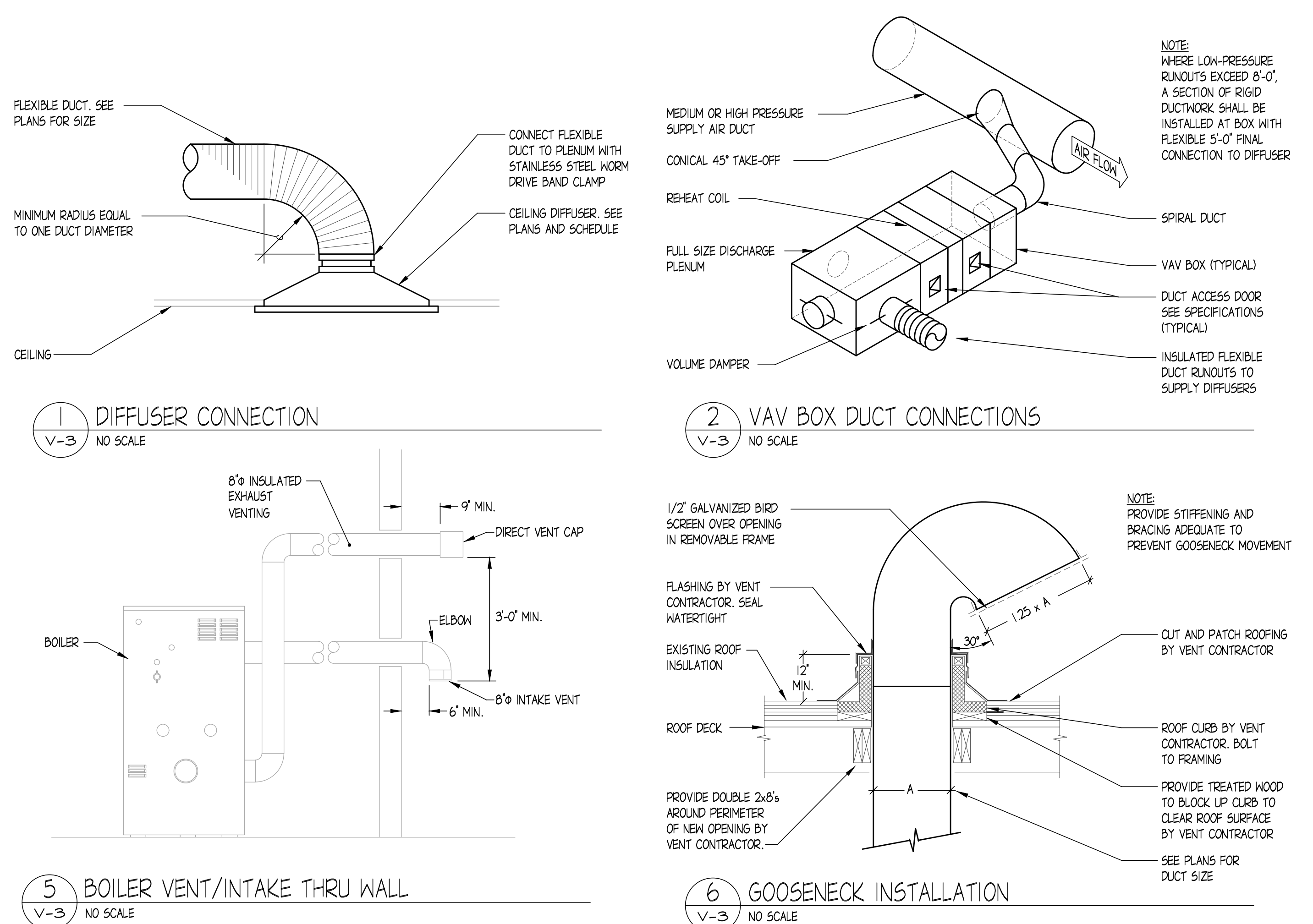


DATE	NO.	DESCRIPTION
DEC. 20, 2019	1	ADDENDUM #1
DEC. 27, 2019	2	ADDENDUM #2



FIRST FLOOR PLAN - VENTILATION
911 METCAD EMERGENCY COMMUNICATIONS CENTER
CHAMPAIGN COUNTY OFFICE BUILDING
1905 E. MAIN ST. URBANA, ILLINOIS

SEAL	DRAWN: MSH DATE: DEC 4, 2019 PROJECT: 7205	APPROVED: JNG BID DOCUMENTS	SHEET: V-2
------	--	--------------------------------	------------



GENERAL AHU DATA	MARK	AHU-1 (EXISTING)	AHU-3
	SERVING	FIRST FLOOR	LOWER LEVEL
	LOCATION	MECHANICAL ROOM 114	MECHANICAL ROOM 103
	UNIT TYPE	DRAW-THRU	DRAW-THRU
	ARRANGEMENT	TOP INVERTED	TOP INVERTED
SUPPLY FAN DATA	MANUFACTURER	CARRIER	YORK
	MODEL NUMBER	39M14A001455136X5	CSA0012
	CFM (STANDARD AIR)	7080	3590
	EXTERNAL STATIC PRESSURE (INCHES W.C.)	1.45	2.5
	TOTAL STATIC PRESSURE (INCHES W.C.)	3.66	4.23
EXHAUST FAN DATA	OUTLET VELOCITY (FPM)	3454	1398
	RPM	1294	2256
	MOTOR HORSEPOWER / VOLTAGE / PHASE	10 / 208 / 3	7.5/208/3
	MINIMUM OUTDOOR AIR (CFM)	1200	-
	REFRIGERANT	R-410A (NEW COIL)	R-410A
FACE AREA (SQ. FT.)	FACE AREA (SQ. FT.)	-	12.11
	FIN HEIGHT / FIN LENGTH	-	32/55
	ROCKS / TYPE / F.P.F.	6/CDX/120	6 / CDX / 121
	ENTERING AIR T _{db} /T _{wb}	-	78 / 63.8
	LEAVING AIR T _{db} /T _{wb}	55	53.5/53.02
AIR SIDE PRESSURE DROP (INCHES W.C.)	AIR SIDE PRESSURE DROP (INCHES W.C.)	0.86	0.744
	SENSIBLE MBH	202	150.22
	TOTAL MBH	298	176.57
UNIT TYPE	UNIT TYPE	FC	FC
	ARRANGEMENT	REAR	REAR
	MANUFACTURER	CARRIER	YORK
	MODEL NUMBER	-	AP-120
	CFM (STANDARD AIR)	5880	5880
TOTAL STATIC PRESSURE (INCHES W.C.)	TOTAL STATIC PRESSURE (INCHES W.C.)	1.27	1.27
	OUTLET VELOCITY (FPM)	2868	2868
	RPM	780	780
	MOTOR HORSEPOWER / VOLTAGE / PHASE	5.0 / 208 / 3	5.0 / 208 / 3
MANUFACTURER	MANUFACTURER	-	-
	EFFICIENCY	30%	-
	NUMBER / TYPE / SIZE	2' PLEATED (6) 16x25"	-
	INITIAL PRESSURE DROP CLEAN (INCHES W.C.)	0.21	-
	FINAL PRESSURE DROP DIRTY (INCHES W.C.)	0.50	-
MANUFACTURER	MANUFACTURER	-	-
	EFFICIENCY	65%	-
	NUMBER / TYPE / SIZE	2' PLEATED (6) 16x25"	-
	INITIAL PRESSURE DROP CLEAN (INCHES W.C.)	0.30	-
	FINAL PRESSURE DROP DIRTY (INCHES W.C.)	0.25	-

NOTE:
GENERAL CONTRACTOR TO REMOVE EXISTING LAY-IN CEILINGS AND GRIDS IN ALL LEVEL 0 ROOMS AND REPLACE WITH NEW 2x2 CEILINGS AND GRIDS. VERIFY FINAL TILE SELECTION WITH OWNER.

EXCEPTIONS:
• 115B COMMUNICATIONS/EQUIPMENT
• 121 JANITOR
• 103 MECHANICAL
• 107 STORAGE
• ALL CLOSETS
• STAIR WELLS

FAN SCHEDULE														
MARK	Qty	LOCATION	USE	CONTROL	MANUFACTURER	MODEL	TYPE	DRIVE	CFM	SP in WG	FAN RPM	MOTOR HP	V/Ph	REMARKS
EF-1	1	103 MECHANICAL	GENERAL EXH	BAS	GREENHECK	SQ-120-VG	IN-LINE	DIRECT	1,160	0.57	1,412	1/4	120 / 1	
TOTAL 1														
NOTES														

12/27/19 4:35 PM

Iding - 1905 East Main - Mechanical Electrical Study\HVAC\03 - Excel\U7205 Sel Fan v042214.xlsx|Schedule

AHU-03 ROOM AIR DISTRIBUTION SCHEDULE																		
ZONE	ROOM No. / NAME	SUPPLY AIR (+)				EXHAUST AIR (-)				RETURN AIR (-)				BALANCE		See Note		
		CFM		Diffusers		CFM		Grilles		CFM		Grilles		Max	Min			
		Max	Min	Type	Qty	CFM ea	Max	Min	Type	Qty	CFM ea	Max	Min	Type	Qty		CFM ea	Max
VAV03 - 001	122 STORAGE	280	140	S002	2	140					280	140	R001	1	280			
	122A CORRIDOR	80	40	S001	1	80					130	65	R001	1	130	-50	-25	
	102 ELEV. MACH. RM	50	25	S001	1	50										50	25	
103 MECHANICAL																		
VAV03 - 002	120 OFFICE	180	90	S002	1	180					180	90	R001	1	180			
	116A EMA OFFICE	200	100	S002	1	200					200	100	R001	1	200			
	116B EMA OFFICE	150	75	S002	1	150					150	75	R001	1	150			
	116C EMA OFFICE	160	80	S002	1	160					160	80	R001	1	160			
VAV03 - 003	116 EMA MEETING SPACE	330	165	S002	2	165					330	165	R002	1	330			
VAV03 - 004	117 CONFERENCE	1180	590	S002	6	196.67					1180	590	R002	3	393.33			
	119 EMA SPACE	700	350	S002	4	175					700	350	R002	3	233.33			
VAV03 - 005	114 TRAINERS/EMD	140	70	S002	1	140					140	70	R001	1	140			
	115B COMM/EQUIP	170	85	S005	1	170					170	85	R005	1	170			
VAV03 - 006	112 ESDA OFFICE	100	50	S002	1	100					100	50	R001	1	100			
	112A ESDA ENTRY	50	25	S001	1	50										50	25	
	112B ESDA CORRIDOR										50	25	R001	1	50	-50	-25	
	113 STORAGE ROOM	340	170	S003	1	340					340	170	R002	1	340			
VAV03 - 007	111A METCAD EQUIP STOR	100	50	S002	1	100					100	50	R001	1	100			
	111 METCAD EQUIP STOR	100	50	S002	1	100					100	50	R001	1	100			
VAV03 - 008	110 OFFICE	380	190	S002	2	190					380	190	R002	1	380			
VAV03 - 009	107 STORAGE	70	35	S001	1	70					70	35	R001	1	70			
	108 BREAK	360	180	S002	2	180					360	180	R002	1	360			
	109 OFFICE	160	80	S001	2	80					160	80	R001	1	160			
VAV03 - 010	106 EMA OFFICE	400	200	S002	2	200					450	225	R002	1	450	-50	-25	
	106A STOR						50	50	E003	1	50					-50	-50	
VAV03 - 011	104 EMA OFFICE	120	60	S002	1	120										120	60	
	104A TLT						100	100	E003	1	100					-100	-100	
VAV03 - 012	104B OFFICE	150	75	S002	1	150					150	75	R001	1	150			
VAV03 - 013	002 CORRIDOR	450	225	S002	2	225					190	95	R001	1	190	260	130	
	105 WOMEN	100	50	S001	1	100	200	200	E001	1	200					-100	-150	
	121 JANITOR						60	60	E001	1	60					-60	-60	
	123 MEN	450	225	S003	1	450	550	550	E002	1	550					-100	-325	
TOTAL		32	6,950	3,475	42		960	960	5		6,070	3,035	27			80	-520	
NOTES																		

12/27/19 4:35 PM

\\GHR01\DATA\GHR Projects\7205 - Metcad Building - 1905 East Main - Mechanical Electrical Study\HVAC\03 - Excel\U7205 VR AHU\03 v042214.xlsx|R&D

DIFFUSER REGISTER AND GRILLE SCHEDULE														
MARK	USE	MANUFACTURER	MODEL No.	STYLE	MOUNTING	PATTERN	MATERIAL	Module	Face	Neck	Duct	REMARKS		
S001	SUPPLY	PRICE	ASPD	PLAQUE	LAY-IN	4-WAY	ALUMINUM	24x24	24x24	6 DIA	6 DIA			
S002	SUPPLY	PRICE	ASPD	PLAQUE	LAY-IN	4-WAY	ALUMINUM	24x24	24x24	8 DIA	8 DIA			
S003	SUPPLY	PRICE	ASPD	PLAQUE	LAY-IN	4-WAY	ALUMINUM	24x24	24x24	10 DIA	10 DIA			
S004	SUPPLY	PRICE	S20-L	DOUBLE DEF.	SIDEWALL	ADJ	ALUMINUM	12x8	10x6	10x6				
S005	SUPPLY	PRICE	ASPD	PLAQUE	DUCT	4-WAY	ALUMINUM	24x24	24x24	6 DIA	6 DIA			
R001	RETURN	PRICE	81-TBP	1/2" EGG CRATE	LAY-IN	-	ALUMINUM	24x24	10x10	8x8	SEE PLAN			
R002	RETURN	PRICE	81-TBP	1/2" EGG CRATE	LAY-IN	-	ALUMINUM	24x24	12x12	10x10	SEE PLAN			
R003	RETURN	PRICE	81-TBP	1/2" EGG CRATE	LAY-IN	-	ALUMINUM	24x24	14x14	12x12	SEE PLAN			
R004	RETURN	PRICE	5102-L-ED	45 DEG DEFLECTION	DUCT	-	ALUMINUM	-	14x8	12x6	12x6	3/4" SPACING		
R005	RETURN	PRICE	81-TBP	1/2" EGG CRATE	DUCT	-	ALUMINUM	24x24	10x10	8x8	SEE PLAN			
E001	EXHAUST	PRICE	81-TBP	1/2" EGG CRATE	LAY-IN	-	ALUMINUM	24x24	10x10	8x8	SEE PLAN			
E002	EXHAUST	PRICE	81-TBP	1/2" EGG CRATE	LAY-IN	-	ALUMINUM	24x24	12x12	10x10	SEE PLAN			
E003	EXHAUST	PRICE	81-F	1/2" EGG CRATE	DUCT	-	ALUMINUM	-	8x8	6 DIA	6 DIA			
E004	EXHAUST	PRICE	630-FL	45° Defl / 1/2" Sp	SIDEWALL	-	ALUMINUM	-	10x10	8x8				
NOTES														
1. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES. BEFORE ORDERING DEVICES CONFIRM THEY ARE SUITABLE FOR THE CEILING TYPE WHERE THEY WILL BE INSTALLED.														
2. ALL DEVICES INSTALLED WITHIN THE SHIELDED AREA OF ED1118 MRI SHALL BE CONSTRUCTED OF NON-FERROUS METAL. SEE ARCHITECTURAL DRAWINGS FOR SHIELDING.														
12/27/19 4:35 PM														

AHU-03 VARIABLE AIR VOLUME BOX SCHEDULE																	
MARK	SERVING	MANUFACTURER	MODEL	SIZE	REHEAT COIL										CONTROL VA		REMARKS
					Max	Min	MBH	EWI	LWT	GPM	EAT	LAT	WPD	APD	Rows	2-way	
JAV03 - 001	122 STORAGE	PRICE	SDV	6	410	205	7.5	180	160	0.8	55	88	0.11	0.11	1	x	
JAV03 - 002	120 OFFICE	PRICE	SDV	8	690	345	11.5	180	160	1.2	55	86	0.19	0.19	1	x	
JAV03 - 003	116 EMA MEETING SPACE	PRICE	SDV	6	330	165	6.6	180	160	0.7	55	92	0.08	0.08	1	x	
JAV03 - 004	117 CONFERENCE	PRICE	SDV	12	1,880	940	27.8	180	160	2.9	55	82	0.34	0.34	1	x	
JAV03 - 005	114 TRAINERS/EMD	PRICE	SDV	6	310	155	9.5	180	160	0.7	55	93	0.07	0.07	1	x	
JAV03 - 006	112 ESDA OFFICE	PRICE	SDV	8	490	245	3.6	180	160	1.0	55	91	0.11	0.11	1		x
JAV03 - 007	111A METCAD EQUIP STOR	PRICE	SDV	4	200	100	4.9	180	160	0.5	55	99	0.03	0.03	1	x	
JAV03 - 008	110 OFFICE	PRICE	SDV	6	380	190	7.2	180	160	0.7	55	90	0.10	0.10	1	x	
JAV03 - 009	107 STORAGE	PRICE	SDV	8	590	295	10.5	180	160	1.1	55	88	0.15	0.15	1	x	
JAV03 - 010	106 EMA OFFICE	PRICE	SDV	6	400	200	7.4	180	160	0.8	55	89	0.10	0.10	1	x	
JAV03 - 011	104 EMA OFFICE	PRICE	SDV	4	120	60	3.5	180	160	0.4	55	107	0.01	0.01	1	x	
JAV03 - 012	104B OFFICE	PRICE	SDV	4	150	75	4.1	180	160	0.4	55	104	0.02	0.02	1	x	
JAV03 - 013	002 CORRIDOR	PRICE	SDV	10	1,000	500	17.1	180	160	1.7	55	86	0.19	0.05	1		
TOTAL					6,950	3,475	121.2			12.6					2		
NOTES																	
* FOL. FOLDED FOR ALL UNITS.																	