

ALTERATION / ADDITION OUTAGAMIE COUNTY ADMINISTRATION CENTER

S. WALNUT & W. 8TH, APPLETON WI 54911

VOLUME 2 OF 2

SHEET INDEX - VOLUME 2

SHEET NO.	SHEET DESCRIPTION	RELEASED FOR BID & DSRS REVIEW MARCH 13, 2017		
GENERAL				
MEP001	SHEET INDEX VOLUME 2	X		
HVAC				
H201	HVAC SCHEDULES	X		
H002	HVAC SCHEDULES	X		
H003	HVAC SCHEDULES	X		
H200	LEVEL 780.00 HVAC COMPOSITE PLAN	X		
H201	LEVEL 780.00 HVAC DEMOLITION PLAN - HHS SOUTH	X		
H202	LEVEL 805.00 HVAC COMPOSITE PLAN	X		
H203	LEVEL 820.00 HVAC COMPOSITE PLAN	X		
H204	LEVEL 835.00 HVAC COMPOSITE PLAN	X		
H210	LEVEL 780.00 HVAC DEMOLITION PLAN - JUSTICE CENTER	X		
H211	LEVEL 780.00 HVAC DEMOLITION PLAN - HHS NORTH	X		
H212	LEVEL 790.00 HVAC DEMOLITION PLAN - CAB	X		
H213	LEVEL 790.00 HVAC DEMOLITION PLAN - HHS NORTH	X		
H214	LEVEL 790.00 HVAC DEMOLITION PLAN - JUSTICE CENTER	X		
H215	LEVEL 805.00 HVAC DEMOLITION PLAN - HHS NORTH	X		
H216	LEVEL 805.00 HVAC DEMOLITION PLAN - JUSTICE CENTER	X		
H217	LEVEL 820.00 HVAC DEMOLITION PLAN - HHS NORTH	X		
H218	LEVEL 820.00 HVAC DEMOLITION PLAN - HHS SOUTH	X		
H219	LEVEL 835.00 HVAC DEMOLITION PLAN - JUSTICE CENTER	X		
H220	LEVEL 780.00 HVAC DUCTWORK PLAN - JUSTICE CENTER	X		
H221	LEVEL 780.00 HVAC DUCTWORK PLAN - HHS SOUTH	X		
H222	LEVEL 790.00 HVAC DUCTWORK PLAN - CAB	X		
H223	LEVEL 790.00 HVAC DUCTWORK PLAN - HHS NORTH / OCAC SOUTH	X		
H224	LEVEL 790.00 HVAC DUCTWORK PLAN - OCAC NORTH	X		
H225	LEVEL 790.00 HVAC DUCTWORK PLAN - JUSTICE CENTER	X		
H226	LEVEL 805.00 HVAC DUCTWORK PLAN - HHS NORTH / OCAC SOUTH	X		
H227	LEVEL 805.00 HVAC DUCTWORK PLAN - OCAC NORTH	X		
H228	LEVEL 805.00 HVAC DUCTWORK PLAN - JUSTICE CENTER	X		
H229	LEVEL 820.00 HVAC DUCTWORK PLAN - HHS NORTH / OCAC SOUTH	X		
H230	LEVEL 820.00 HVAC DUCTWORK PLAN - OCAC NORTH	X		
H231	LEVEL 835.00 HVAC DUCTWORK PLAN - HHS NORTH	X		
H232	LEVEL 835.00 HVAC DUCTWORK PLAN - OCAC NORTH	X		
H240	LEVEL 780.00 HVAC PIPING PLAN - JUSTICE CENTER	X		
H241	LEVEL 780.00 HVAC PIPING PLAN - HHS SOUTH	X		
H242	LEVEL 790.00 HVAC PIPING PLAN - CAB	X		
H243	LEVEL 790.00 HVAC PIPING PLAN - HHS NORTH / OCAC SOUTH	X		
H244	LEVEL 790.00 HVAC PIPING PLAN - OCAC NORTH	X		
H245	LEVEL 790.00 HVAC PIPING PLAN - JUSTICE CENTER	X		
H246	LEVEL 805.00 HVAC PIPING PLAN - HHS NORTH / OCAC SOUTH	X		
H247	LEVEL 805.00 HVAC PIPING PLAN - OCAC NORTH	X		
H248	LEVEL 805.00 HVAC PIPING PLAN - JUSTICE CENTER	X		
H249	LEVEL 820.00 HVAC PIPING PLAN - HHS NORTH / OCAC SOUTH	X		
H250	LEVEL 820.00 HVAC PIPING PLAN - OCAC NORTH	X		
H260	LEVEL 790.00 HVAC PLENUM PLAN - OCAC/HHS NORTH	X		
H261	LEVEL 805.00 HVAC PLENUM PLAN - OCAC/HHS NORTH	X		
H262	LEVEL 820.00 HVAC PLENUM PLAN - OCAC/HHS NORTH	X		
H400	JUSTICE CENTER BOILER ROOM DEMOLITION	X		
H401	JUSTICE CENTER BOILER ROOM PLAN	X		
H402	HHS NORTH/OCAC SOUTH MECHANICAL ROOM DUCTWORK PLANS	X		
H403	HHS NORTH/OCAC SOUTH MECHANICAL ROOM PIPING PLANS	X		
H800	HVAC DETAILS	X		
H801	HVAC DETAILS	X		
ELECTRICAL				
EA001	TITLE SHEET - SHEET INDEX	X		
EA002	ELECTRICAL SYMBOLS	X		
ED101	ELECTRICAL SITE DEMOLITION PLAN	X		
ED209	LEVEL 780.00 ELECTRICAL DEMOLITION PLAN - HHS NORTH	X		
ED210	LEVEL 780.00 ELECTRICAL DEMOLITION PLAN - JUSTICE CENTER	X		
ED211	LEVEL 790.00 ELECTRICAL DEMOLITION PLAN - CAB	X		
ED212	LEVEL 790.00 ELECTRICAL DEMOLITION PLAN - HHS NORTH	X		
ED213	LEVEL 790.00 ELECTRICAL DEMOLITION PLAN - JUSTICE CENTER	X		
ED214	LEVEL 805.00 ELECTRICAL DEMOLITION PLAN - HHS NORTH	X		
ED215	LEVEL 805.00 ELECTRICAL DEMOLITION PLAN - JUSTICE CENTER	X		
ED217	LEVEL 820.00 ELECTRICAL DEMOLITION PLAN - HHS NORTH	X		
ED218	ROOFTOP LEVEL ELECTRICAL DEMOLITION PLAN - HHS NORTH	X		
ED219	LEVEL 780.00 ELECTRICAL DEMOLITION PLAN - HHS SOUTH	X		
ED220	ROOFTOP LEVEL ELECTRICAL DEMOLITION PLAN - HHS SOUTH	X		
ED631	POWER DISTRIBUTION DEMOLITION ONE LINE DIAGRAM - JUSTICE CENTER, SHEET ONE OF THREE	X		
ED632	POWER DISTRIBUTION DEMOLITION ONE LINE DIAGRAM - JUSTICE CENTER, SHEET TWO OF THREE	X		
ED633	POWER DISTRIBUTION DEMOLITION ONE LINE DIAGRAM - JUSTICE CENTER, SHEET THREE OF THREE	X		
EE631	POWER DISTRIBUTION ONE LINE DIAGRAM - JUSTICE CENTER, SHEET ONE OF THREE	X		
EE632	POWER DISTRIBUTION ONE LINE DIAGRAM - JUSTICE CENTER, SHEET TWO OF THREE	X		
EE633	POWER DISTRIBUTION ONE LINE DIAGRAM - JUSTICE CENTER, SHEET THREE OF THREE	X		
EE641	POWER DISTRIBUTION ONE LINE DIAGRAM - OCAC NORTH	X		
EF831	PANEL DIRECTORIES, SHEET 1 OF 1 - JUSTICE CENTER	X		
EF841	PANEL DIRECTORIES, SHEET 1 OF 7 - OCAC NORTH	X		
EF842	PANEL DIRECTORIES, SHEET 2 OF 7 - OCAC NORTH	X		
EF843	PANEL DIRECTORIES, SHEET 3 OF 7 - OCAC NORTH	X		
EF844	PANEL DIRECTORIES, SHEET 4 OF 7 - OCAC NORTH	X		
EF845	PANEL DIRECTORIES, SHEET 5 OF 7 - OCAC NORTH STANDBY PANELS	X		
EF846	PANEL DIRECTORIES, SHEET 6 OF 7 - OCAC NORTH STANDBY PANELS	X		
EF847	PANEL DIRECTORIES, SHEET 7 OF 7 - OCAC NORTH STANDBY PANELS	X		
EL229	LEVEL 780.00 LIGHTING PLAN - HHS NORTH	X		
EL230	LEVEL 780.00 LIGHTING PLAN - JUSTICE CENTER	X		
EL231	LEVEL 790.00 / 820.00 LIGHTING PLANS - CAB	X		
EL232	LEVEL 790.00 LIGHTING PLAN - HHS NORTH / OCAC SOUTH	X		
EL233	LEVEL 790.00 LIGHTING PLAN - OCAC NORTH	X		
EL234	LEVEL 790.00 LIGHTING PLAN - JUSTICE CENTER	X		
EL235	LEVEL 805.00 LIGHTING PLAN - HHS NORTH / OCAC SOUTH	X		
EL236	LEVEL 805.00 LIGHTING PLAN - OCAC NORTH	X		
EL237	LEVEL 805.00 LIGHTING PLAN - JUSTICE CENTER	X		
EL238	LEVEL 820.00 LIGHTING PLAN - HHS NORTH / OCAC SOUTH	X		
EL239	LEVEL 820.00 LIGHTING PLAN - OCAC NORTH	X		
EL701	LIGHTING DETAILS, SHEET 1 OF 1	X		
EL801	LIGHTING FIXTURE SCHEDULE	X		
EL811	LIGHTING CONTROLS SCHEDULE	X		
EL821	COMCHECK LIGHTING COMPLIANCE REPORTS - SHEET 1 OF 1	X		
EM230	LEVEL 780.00 EM LIGHTING PHOTOMETRIC PLAN - JUSTICE CENTER	X		
EM231	LEVEL 790.00 / 820.00 EM LIGHTING PHOTOMETRIC PLANS - CAB	X		
EM232	LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN - HHS NORTH / OCAC SOUTH	X		
EM233	LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN - OCAC NORTH	X		
EM234	LEVEL 790.00 EM LIGHTING PHOTOMETRIC PLAN - JUSTICE CENTER	X		
EM235	LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN - HHS NORTH / OCAC SOUTH	X		
EM236	LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN - OCAC NORTH	X		
EM237	LEVEL 805.00 EM LIGHTING PHOTOMETRIC PLAN - JUSTICE CENTER	X		
EM238	LEVEL 820.00 EM LIGHTING PHOTOMETRIC PLAN - HHS NORTH / OCAC SOUTH	X		
EM239	LEVEL 820.00 EM LIGHTING PHOTOMETRIC PLAN - OCAC NORTH	X		

SHEET NO.	SHEET DESCRIPTION	RELEASED FOR BID & DSRS REVIEW MARCH 13, 2017		
EP229	LEVEL 780.00 POWER PLAN - HHS NORTH	X		
EP230	LEVEL 780.00 POWER PLAN - JUSTICE CENTER	X		
EP231	LEVEL 790.00 / 820.00 POWER PLAN - CAB	X		
EP232	LEVEL 790.00 POWER PLAN - HHS NORTH / OCAC SOUTH	X		
EP233	LEVEL 790.00 POWER PLAN - OCAC NORTH	X		
EP234	LEVEL 790.00 POWER PLAN - JUSTICE CENTER	X		
EP235	LEVEL 805.00 POWER PLAN - HHS NORTH / OCAC SOUTH	X		
EP236	LEVEL 805.00 POWER PLAN - OCAC NORTH	X		
EP237	LEVEL 805.00 POWER PLAN - JUSTICE CENTER	X		
EP238	LEVEL 820.00 POWER PLAN - HHS NORTH / OCAC SOUTH	X		
EP239	LEVEL 820.00 POWER PLAN - OCAC NORTH	X		
EP240	ROOF LEVEL POWER PLANS - HHS NORTH / OCAC SOUTH	X		
EP241	ROOF LEVEL POWER PLANS - OCAC NORTH	X		
EP802	POWER SCHEDULES, PLUMBING / HVAC	X		
EP803	POWER SCHEDULE, SPECIAL OUTLETS - 1 OF 2	X		
EP804	POWER SCHEDULE, SPECIAL OUTLETS - 2 OF 2	X		
EP805	POWER SCHEDULE	X		
ES101	ELECTRICAL SITE PLAN	X		
ES111	SITE PHOTOMETRIC PLAN	X		
ES801	SITE LIGHTING FIXTURE SCHEDULE	X		
ES802	COMCHECK REPORT - SITE LIGHTING	X		
EY229	LEVEL 780.00 LV SYSTEMS PLAN - HHS NORTH	X		
EY230	LEVEL 780.00 LV SYSTEMS PLAN - JUSTICE CENTER	X		
EY231	LEVEL 790.00 / 820.00 LV SYSTEMS PLANS - CAB	X		
EY232	LEVEL 790.00 LV SYSTEMS PLAN - HHS NORTH / OCAC SOUTH	X		
EY233	LEVEL 790.00 LV SYSTEMS PLAN - OCAC NORTH	X		
EY234	LEVEL 790.00 LV SYSTEMS PLAN - JUSTICE CENTER	X		
EY235	LEVEL 805.00 LV SYSTEMS PLAN - HHS NORTH / OCAC SOUTH	X		
EY236	LEVEL 805.00 LV SYSTEMS PLAN - OCAC NORTH	X		
EY237	LEVEL 805.00 LV SYSTEMS PLAN - JUSTICE CENTER	X		
EY238	LEVEL 820.00 LV SYSTEMS PLAN - HHS NORTH / OCAC SOUTH	X		
EY239	LEVEL 820.00 LV SYSTEMS PLAN - OCAC NORTH	X		
EY601	LOW VOLTAGE RISER DIAGRAM/DETAILS	X		
EY701	ENLARGED MDF / IDF DRAWINGS - OCAC NORTH	X		
EY702	ENLARGED MDF / IDF DRAWINGS - HHS NORTH/OCAC SOUTH	X		
EY703	ENLARGED MDF / IDF DRAWINGS - LEVEL CAB AND JUSTICE CENTER	X		
EY704	SECURITY DETAILS	X		
FA229	LEVEL 780.00 FIRE ALARM SYSTEM PLAN - HHS NORTH	X		
FA230	LEVEL 780.00 FIRE ALARM SYSTEM PLAN - JUSTICE CENTER	X		
FA231	LEVEL 790.00 / 820.00 FIRE ALARM SYSTEM PLANS - CAB	X		
FA232	LEVEL 790.00 FIRE ALARM SYSTEM PLAN - HHS NORTH / OCAC SOUTH	X		
FA233	LEVEL 790.00 FIRE ALARM SYSTEM PLAN - OCAC NORTH	X		
FA234	LEVEL 790.00 FIRE ALARM SYSTEM PLAN - JUSTICE CENTER	X		
FA235	LEVEL 805.00 FIRE ALARM SYSTEM PLAN - HHS NORTH / OCAC SOUTH	X		
FA236	LEVEL 805.00 FIRE ALARM SYSTEM PLAN - OCAC NORTH	X		
FA237	LEVEL 805.00 FIRE ALARM SYSTEM PLAN - JUSTICE CENTER	X		
FA238	LEVEL 820.00 FIRE ALARM SYSTEM PLAN - HHS NORTH / OCAC SOUTH	X		
FA239	LEVEL 820.00 FIRE ALARM SYSTEM PLAN - OCAC NORTH	X		
FA701	FIRE ALARM SYSTEM DETAILS, SHEET 1 OF 1	X		
P200	LEVEL 770.00 - COMPOSITE PLUMBING PLAN	X		
P201	LEVEL 780.00 - COMPOSITE PLUMBING PLAN	X		
P202	LEVEL 790.00 - COMPOSITE PLUMBING PLAN	X		
P203	LEVEL 805.00 - COMPOSITE PLUMBING PLAN	X		
P204	LEVEL 820.00 - COMPOSITE PLUMBING PLAN	X		
P205	LEVEL 835.00 - COMPOSITE PLUMBING PLAN	X		
P206	LEVEL 850.00 - COMPOSITE PLUMBING PLAN	X		
P210	LEVEL 780.00 - PLUMBING DEMOLITION PLAN - JUSTICE CENTER	X		
P211	LEVEL 780.00 - PLUMBING DEMOLITION PLAN - HHS NORTH	X		
P212	LEVEL 780.00 - PLUMBING DEMOLITION PLAN - CAB	X		
P213	LEVEL 790.00 - PLUMBING DEMOLITION PLAN - HHS NORTH	X		
P214	LEVEL 790.00 - PLUMBING DEMOLITION PLAN - JUSTICE CENTER	X		
P215	LEVEL 805.00 - PLUMBING DEMOLITION PLAN - HHS NORTH	X		
P216	LEVEL 820.00 - PLUMBING DEMOLITION PLAN - HHS NORTH	X		
P220	LEVEL 770.00 - ENLARGED PLUMBING PLAN - JUSTICE CENTER	X		
P221	LEVEL 780.00 - ENLARGED PLUMBING PLAN - JUSTICE CENTER	X		
P222	LEVEL 780.00 - ENLARGED PLUMBING PLAN - HHS NORTH / OCAC SOUTH	X		
P223	LEVEL 780.00 - ENLARGED PLUMBING PLAN - OCAC NORTH	X		
P224	LEVEL 790.00 - ENLARGED PLUMBING PLAN - CAB	X		
P225	LEVEL 790.00 - ENLARGED PLUMBING PLAN - HHS NORTH / OCAC SOUTH	X		
P226	LEVEL 790.00 - ENLARGED PLUMBING PLAN - OCAC NORTH	X		
P227	LEVEL 790.00 - ENLARGED PLUMBING PLAN - JUSTICE CENTER	X		
P228	LEVEL 805.00 - ENLARGED PLUMBING PLAN - HHS NORTH / OCAC SOUTH	X		
P229	LEVEL 805.00 - ENLARGED PLUMBING PLAN - OCAC NORTH	X		
P230	LEVEL 820.00 - ENLARGED PLUMBING PLAN - HHS NORTH / OCAC SOUTH	X		
P231	LEVEL 820.00 - ENLARGED PLUMBING PLAN - OCAC NORTH	X		
P232	LEVEL 835.00 - ENLARGED PLUMBING PLAN - HHS NORTH / OCAC SOUTH	X		
P601	PLUMBING DETAILS	X		
P601	PLUMBING SCHEDULES	X		
P901	PLUMBING RISER DIAGRAMS	X		
P902	PLUMBING RISER DIAGRAMS	X		
FIRE PROTECTION				
FP200	LEVEL 780.00 - COMPOSITE EXISTING FIRE PROTECTION PLAN	X		
FP201	LEVEL 790.00 - COMPOSITE EXISTING FIRE PROTECTION PLAN	X		
FP202	LEVEL 805.00 - COMPOSITE EXISTING FIRE PROTECTION PLAN	X		
FP203	LEVEL 820.00 - COMPOSITE EXISTING FIRE PROTECTION PLAN	X		
FP204	LEVEL 835.00 - COMPOSITE EXISTING FIRE PROTECTION PLAN	X		
FP210	LEVEL 780.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN	X		
FP211	LEVEL 790.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN	X		
FP212	LEVEL 805.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN	X		
FP213	LEVEL 820.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN	X		
FP214	LEVEL 835.00 - NEW AREA OF COVERAGE FIRE PROTECTION PLAN	X		
227 WALNUT ST.				
XC100	ABBREVIATIONS, SYMBOLS AND NOTES	X		
XC101	EXISTING SITE PLAN AND SURVEY CONTROL	X		
XC102	SITE DEMOLITION & EROSION CONTROL	X		
XC103	UTILITY & GRADING PLAN	X		
XL200	LANDSCAPE PLAN & DETAILS	X		
XE101	SITE ELECTRICAL DEMOLITION PLAN	X		
XE102	SITE ELECTRICAL PLAN AND FIXTURE SCHEDULE	X		
XE103	LIGHTING PHOTOMETRIC PLAN	X		
XE801	COMCHECK REPORT - SITE LIGHTING	X		

DESIGN TEAM

OWNER REPRESENTATIVE

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ELECTRICAL

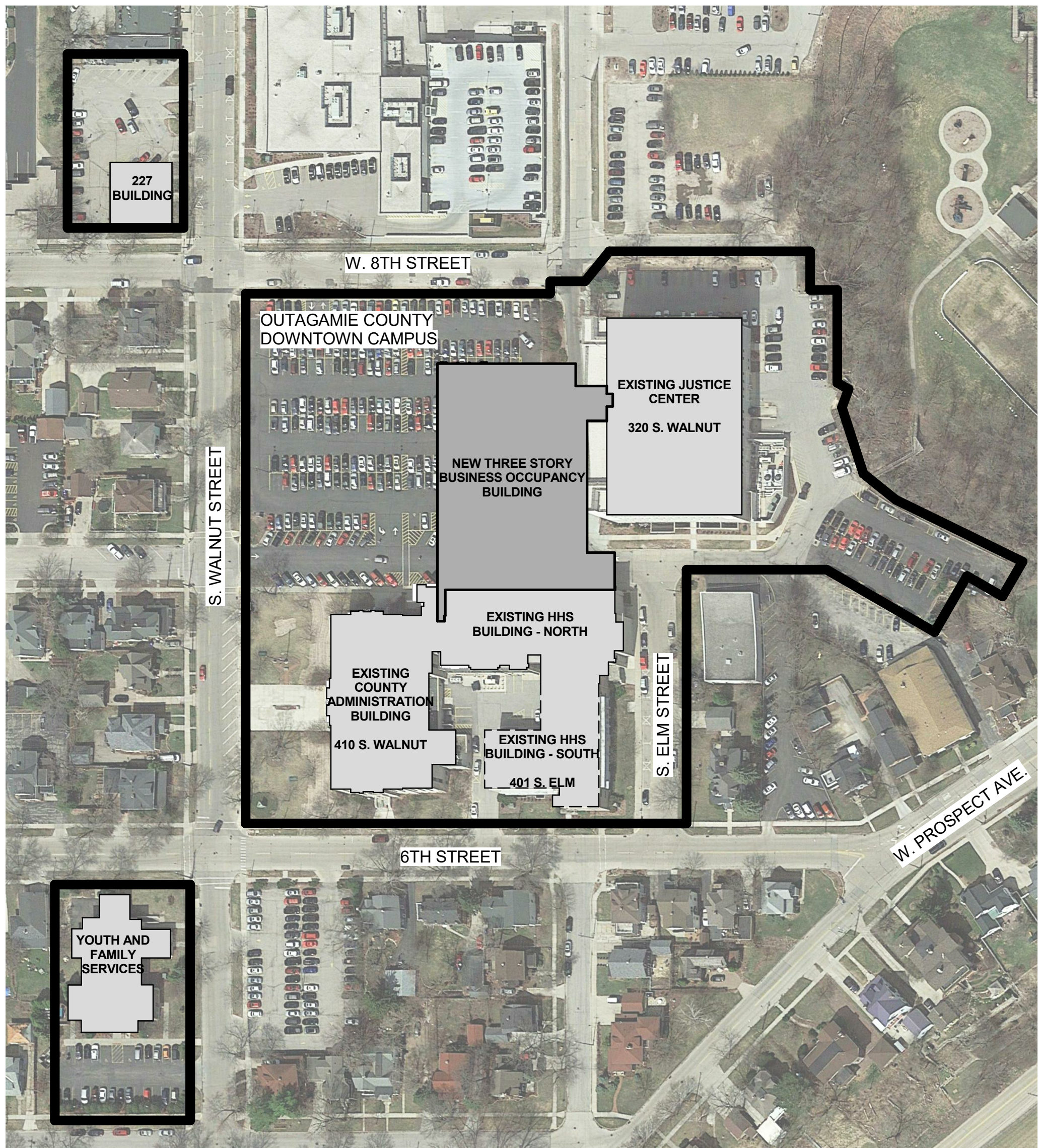
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IMPORTANT NOTE: The drawings and the specifications together represent the Construction Documents, and as such, must be used together as the basis of design. The Contractor is specifically instructed not to limit their understanding of the scope of this project based upon the Specifications Index. The Contractor is responsible to review all information in both the drawings and specifications, and is therefore, required to provide all defined, and reasonably implied, scope of work no matter where it appears in the Construction Documents. In addition, the Contractor is to review any formally provided modifications, clarifications, addendums and/or other information and incorporate that information into the Contractor's understanding of the scope of the project.

PROJECT LOCATION MAP



REVISION

DATE

NO.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
SHEET INDEX VOLUME 2

DESIGNED
ASF/MAG
PROJECT NO.
00002-61600160
DATE
MARCH 3, 2017
SHEET NO.

MEP001

AIR HANDLING UNITS

		UNIT															HEATING COIL										COOLING COIL										DESIGN DIMENSIONS				MANUF. MODEL
UNIT NO.	SERVICE	TYPE	CFM OF STD. AIR	MIN. CFM OF O.A.	MAX. CFM OF O.A.	MAX. O.V.	EXT. S.P. IN IN. WATER	NO. OF FANS	FAN DIA.	FAN WHEEL TYPE	DRIVE TYPE	MOTOR HP	FILTER TYPE	FACE & BYPASS TYPE	VOLUME CONTROL	SUPPORT	VIBRATION ISOLATORS	MAX. FACE VEL.	ENT. AIR TEMP.	LV. AIR TEMP.	ENT. H2O TEMP.	LV. H2O TEMP.	MAX. H2O P.D. IN FT.	GPM	BRANCH PIPE SIZE	MAX. FACE VEL.	ENT. AIR		LV. AIR		ENT. H2O TEMP.	LV. H2O TEMP.	MAX. H2O P.D. IN FT.	GPM	BRANCH PIPE SIZE	LENGTH	WIDTH	HEIGHT	WEIGHT LBS.		
AHU-10-1	OCAC LEVEL 1	HORIZ.	25,000	2,000	4,000	1,900	3	2	27"	PLENUM	DIRECT	15	2" MERV 13	INTERNAL	VFD	CONC. PAD	B	1"	725	55 °F	75 °F	160 °F	120 °F	10	27.3	2"	525	76.9 °F	64.5 °F	53 °F	52.4 °F	44 °F	54 °F	25	180	4"	19' - 4"	10' - 0"	6' - 8"	9,400	DAIKIN CAH-050
AHU-10-2	OCAC LEVEL 2	HORIZ.	25,000	3,500	6,000	1,700	3	2	27"	PLENUM	DIRECT	15	2" MERV 13	INTERNAL	VFD	CONC. PAD	B	1"	725	50 °F	75 °F	160 °F	120 °F	10	33.9	2"	525	77.9 °F	66.4 °F	53 °F	52.4 °F	44 °F	54 °F	25	212	4"	19' - 4"	10' - 0"	6' - 8"	9,400	DAIKIN CAH-050
AHU-10-3	OCAC LEVEL 3	HORIZ.	25,000	2,000	4,000	1,900	3	2	27"	PLENUM	DIRECT	15	2" MERV 13	INTERNAL	VFD	CONC. PAD	B	1"	725	55 °F	75 °F	160 °F	120 °F	10	27.3	2"	525	76.9 °F	64.5 °F	53 °F	52.4 °F	44 °F	54 °F	25	180	4"	19' - 4"	10' - 0"	6' - 8"	9,400	DAIKIN CAH-050
AHU-N2	HHS NORTH LEVEL 1	HORIZ.	7,000	575	1,000	1,500	3	1	22"	PLENUM	DIRECT	10	2" MERV 13	INTERNAL	VFD	CONC. PAD	B	1"	725	58 °F	75 °F	160 °F	120 °F	10	6.5	1"	500	76.9 °F	64.6 °F	53 °F	52.4 °F	44 °F	54 °F	25	51	2 1/2"	15' - 2"	6' - 2"	3' - 6"	2,700	DAIKIN CAH-014

RELIEF FANS

UNIT NO.	SERVICE	CFM OF STD. AIR	MAX. O.V.	EXT. S.P. IN IN. WATER	MOTOR HP	DRIVE	VOLUME CONTROL	FAN DIA	SUPPORT	VIBRATION ISOLATORS	MAX. OUTLET SOUND PRESS. @ 5'	OUTLET OCTAVE BAND (LwA)								WEIGHT LBS.	MANUF. MODEL		
										MIN. STATIC DEFLECTION	dBa	SONES	1	2	3	4	5	6	7			8	
RF-10-1	AHU-10-1 RELIEF	23,000	1,591	0.75	7.5	DIRECT	VFD	3' - 0 1/2"	SUSPENDED	D	0' - 1"	72	20	83	85	85	83	79	74	67	59	1,700	COOK QMXD-365
RF-10-2	AHU-10-2 RELIEF	23,000	1,591	0.75	7.5	DIRECT	VFD	3' - 0 1/2"	SUSPENDED	D	0' - 1"	72	20	83	85	85	83	79	74	67	59	1,700	COOK QMXD-365
RF-10-3	AHU-10-3 RELIEF	23,000	1,591	0.75	7.5	DIRECT	VFD	3' - 0 1/2"	SUSPENDED	D	0' - 1"	72	20	83	85	85	83	79	74	67	59	1,700	COOK QMXD-365

WATER COOLED CHILLERS

UNIT NO.	CHILLED WATER			MAX. CHILLER P.D. IN FT. OF WATER	CONDENSER WATER			MAX. COND. P.D. IN FT. OF WATER	IPLV KW/TON	FULL LOAD EFF. KW/TON	CAPACITY CONTROL	COMP. TYPE	NOM. TONS	SUPPORT	VIBRATION ISOLATORS		
	GPM	WATER IN	WATER OUT		GPM	WATER IN	WATER OUT								TYPE	MIN. STATIC DEFLECT.	MANUF. MODEL
WCC-1	1,200	54 °F	44 °F	30	1,500	85 °F	95 °F	25	0.322	0.549	VFD	MAG. BEARING CENT.	500	CONC. PAD	B	1"	DAIKIN WME-0501S
WCC-2	1,200	54 °F	44 °F	30	1,500	85 °F	95 °F	25	0.322	0.549	VFD	MAG. BEARING CENT.	500	CONC. PAD	B	1"	DAIKIN WME-0501S

COOLING TOWERS

UNIT NO.	SERVICE	GPM	WATER IN TEMP.	WATER OUT TEMP.	WET BULB TEMP.	HP	FAN TYPE	DRIVE	SUPPORT	VIBRATION ISOLATORS		MANUF. MODEL
										TYPE	MIN. STATIC DEFLECT.	
CT-1	JUSTICE CENTER	1,500	95 °F	85 °F	78 °F	40	PROP.	DIRECT	CONC. PAD	C	0' - 1"	MARLEY NC-8405
CT-2	JUSTICE CENTER	1,500	95 °F	85 °F	78 °F	40	PROP.	DIRECT	CONC. PAD	C	0' - 1"	MARLEY NC-8405

CABINET HEATERS

UNIT NO.	SERVICE	TYPE	CAP. MBH	CFM OF STD. AIR	MOTOR HP	DRIVE	SPEED	RECESS	ENT. H2O TEMP.	LV. H2O TEMP.	GPM	BRANCH PIPE SIZE	MANUF. MODEL
CH-1	WOMENS 10.1.027	CR	10.7	220	0.017	DIRECT	3	0' - 10"	160 °F	140 °F	1.6	3/4"	RITTTLING 02
CH-2	MENS 10.1.026	CR	10.7	220	0.017	DIRECT	3	0' - 10"	160 °F	140 °F	1.6	3/4"	RITTTLING 02
CH-3	WOMENS 10.3.006	CR	10.7	220	0.017	DIRECT	3	0' - 10"	160 °F	140 °F	1.6	3/4"	RITTTLING 02
CH-4	MENS 10.3.005	CR	10.7	220	0.017	DIRECT	3	0' - 10"	160 °F	140 °F	1.6	3/4"	RITTTLING 02
CH-5	STAIR 10.1.52	C	31.2	420	0.1	DIRECT	3	0' - 0"	160 °F	140 °F	4.8	1"	RITTTLING 04
CH-6	PEDESTRIAN WALKWAY 10.1.024	CR	31.2	420	0.1	DIRECT	3	0' - 10"	160 °F	140 °F	4.8	1"	RITTTLING 04

UNIT HEATERS

UNIT NO.	SERVICE	TYPE	CAP. MBH	CFM OF STD. AIR	MOTOR HP	MOTOR RPM	SPEED	DIFFUSER	ENT. H2O TEMP.	LV. H2O TEMP.	GPM	BRANCH PIPE SIZE	ELEV. ABOVE FIN. FL.	MANUF. MODEL
UH-1	MECHANICAL 10.1.145	HORIZ.	24.1	730	0.067	1550	1	HORIZ.	160 °F	140 °F	3.4	3/4"	10' - 0"	RITTTLING RH-47
UH-2	MECHANICA 10.2.084	HORIZ.	24.1	730	0.067	1550	1	HORIZ.	160 °F	140 °F	3.4	3/4"	10' - 0"	RITTTLING RH-47
UH-3	MECHANICAL 10.3.123	HORIZ.	24.1	730	0.067	1550	1	HORIZ.	160 °F	140 °F	3.4	3/4"	10' - 0"	RITTTLING RH-47

PUMPS

PUMP														SUCTION DIFFUSER				
UNIT NO.	SERVICE	SIZE	GPM	FEET OF WATER HEAD	MOTOR HP	MOTOR RPM	SUPPORT	VFD	INLET SIZE	OUTLET SIZE	START-UP STRAINER	MANUF. MODEL						
P-1	CHILLED WATER LEAD	5 x 6	1,200	120	50	1750	CONC. PAD	YES	8"	6"	YES	B&G SERIES 1531						
P-2	CHILLED WATER LAG	5 x 6	1,200	120	50	1750	CONC. PAD	YES	8"	6"	YES	B&G SERIES 1531						
P-3	CHILLED WATER STAND-BY	5 x 6	1,200	120	50	1750	CONC. PAD	YES	8"	6"	YES	B&G SERIES 1531						
P-4	CONDENSER WATER LEAD	6 x 8	1,500	70	40	1770	CONC. PAD	YES	8"	8"	YES	B&G SERIES 1531						
P-5	CONDENSER WATER LAG	6 x 8	1,500	70	40	1770	CONC. PAD	YES	8"	8"	YES	B&G SERIES 1531						
P-6	CONDENSER WATER STAND-BY	6 x 8	1,500	70	40	1770	CONC. PAD	YES	8"	8"	YES	B&G SERIES 1531						
P-7	HOT WATER LEAD	5 x 6	800	95	30	1750	CONC. PAD	YES	8"	6"	YES	B&G SERIES 1531						
P-8	HOT WATER LAG	5 x 6	800	95	30	1750	CONC. PAD	YES	8"	6"	YES	B&G SERIES 1531						
P-9	HOT WATER STAND-BY	5 x 6	800	95	30	1750	CONC. PAD	YES	8"	6"	YES	B&G SERIES 1531						

ROOM AIR CONDITIONING UNITS

INDOOR UNITS					OUTDOOR UNITS					
UNIT NO.	SERVICE	TYPE	CFM OF STD. AIR	COOLING CAP. (BTU)	HEATING CAP. (BTU)	UNIT NO.	SERVICE	NOM. CAP. TONS	SEER	MANUF. MODEL
RAC-1	IT 10.1.034	HORIZ	530	24,000		OU-1	RAC-1	2	13.5	mitsubishi PKA/PUY
RAC-2	IT 10.2.013	HORIZ	530	24,000		OU-2	RAC-2	2	13.5	mitsubishi PKA/PUY
RAC-3	IT 10.3.004	HORIZ	530	24,000		OU-3	RAC-3	2	13.5	mitsubishi PKA/PUY
RAC-4	CRISIS PHONE ROOM 10.3.020	CLG.	500	24,000	26,000	OU-4	RAC-4	2	13.5	mitsubishi PLA/PUZ

ROOF EXHAUSTERS

UNIT NO.	SERVICE	CFM OF STD. AIR	FAN DIA	MAX. SONES	EXT. S.P. IN IN. WATER	MOTOR HP	DRIVE	BACKDRAFT DAMPER	MANUF. MODEL
RE-1	AHU-N2 RELIEF	6,000	24 1/2"	14	0.5	2	DIRECT	BY B.A.S.	COOK ACED-245
RE-2	OCAC 1ST. FLOOR TLTS.	1,175	12"	9.8	0.5	0.25	DIRECT	MOTORIZED	COOK ACED-120
RE-3	OCAC 2ND. & 3RD. FLOOR TLTS.	2,175	16 1/2"	10.5	0.5	0.5	DIRECT	MOTORIZED	COOK ACED-165
RE-4	MENS 03.3.184/WOMENS 03.2.185	800	12"	6.5	0.5	0.25	DIRECT	MOTORIZED	COOK ACED-120
RE-5	ELEVATOR SHAFT	300	10"	3.3	0.25	0.125	DIRECT	MOTORIZED	COOK ACED-100
RE-6	ELEVATOR SHAFT	300	10"	3.3	0.25	0.125	DIRECT	MOTORIZED	COOK ACED-100

RADIANT FLOOR TUBING

UNIT NO.	SERVICE	TYPE	CFM OF STD. AIR	MIN. CFM OF O.A.	MAX. CFM OF O.A.	MAX. O.V.	EXT. S.P. IN IN. WATER	NO. OF FANS	FAN DIA.	FAN WHEEL TYPE	DRIVE TYPE	MOTOR HP	F
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VARIABLE AIR VOLUME BOXES

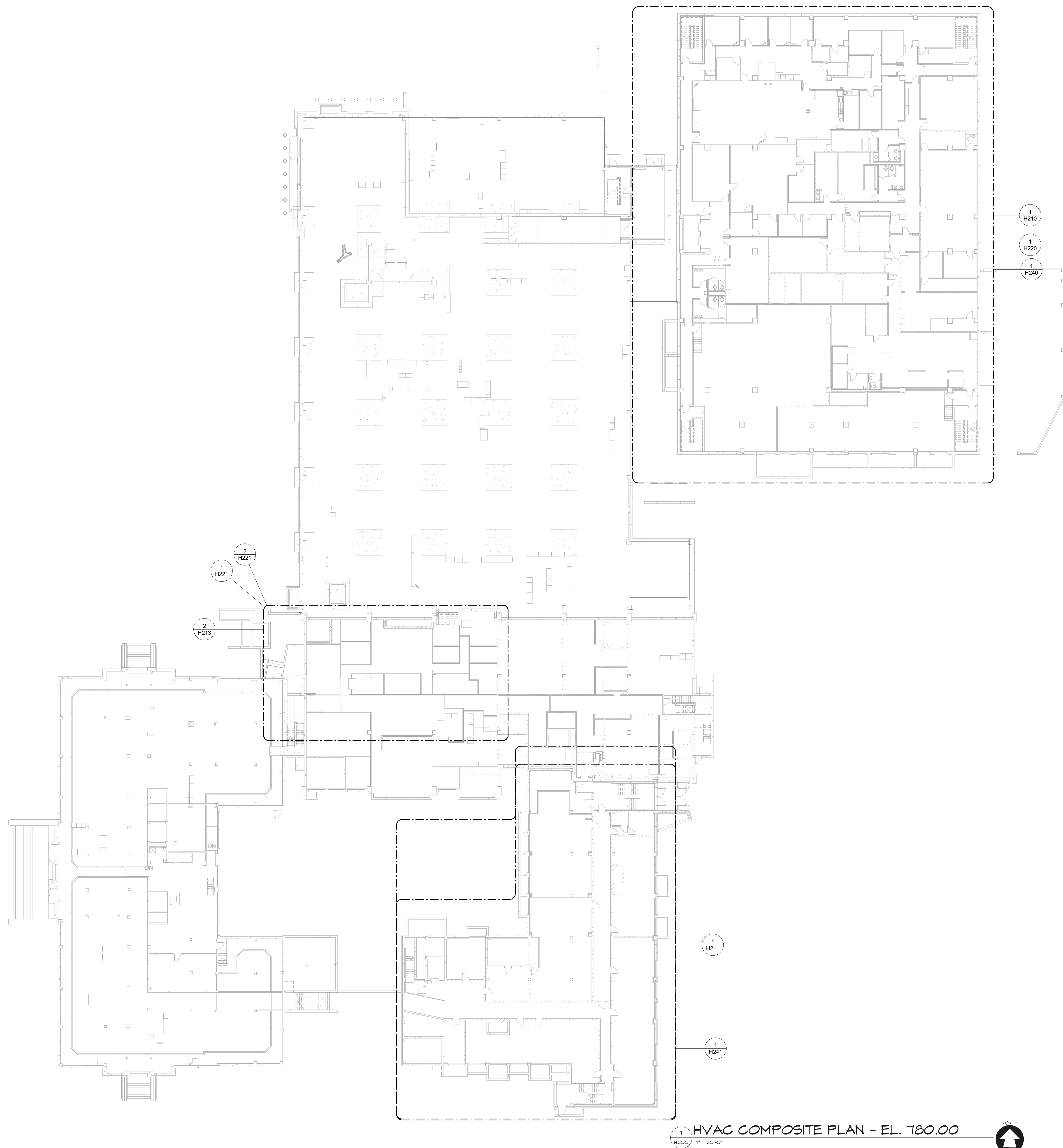
UNIT NO.	SERVICE	BOX				MAX. AIR P.D. IN IN. OF WATER	HEATING COIL								MANUF. MODEL
		CFM OF STD. AIR	COOLING MIN. CFM OF STD.	BOX INLET SIZE	INLET DUCT SIZE		HEATING CFM OF STD.	ENT. AIR TEMP.	LV. AIR TEMP.	ENT. H2O TEMP.	LV. H2O TEMP.	GPM	BRANCH PIPE SIZE		
V-1	OFFICE 03.1.146	225	70	5"Ø	6"Ø	0.5	225	55 °F	85 °F	160 °F	140 °F	0.7	1/2"	PRICE SDV	
V-2	WORK ROOM 10.1.141	475	140	8"Ø	10"Ø	0.5	475	55 °F	85 °F	160 °F	140 °F	1.5	1/2"	PRICE SDV	
V-3	OFFICE 03.1.152/150/148	325	100	6"Ø	8"Ø	0.5	325	55 °F	85 °F	160 °F	140 °F	1.1	1/2"	PRICE SDV	
V-4	OFFICE 03.1.156/158	400	120	6"Ø	8"Ø	0.5	400	55 °F	85 °F	160 °F	140 °F	1.3	1/2"	PRICE SDV	
V-5	OPEN OFFICE 10.1.139	1,700	510	14"Ø	16"Ø	0.5	1,700	55 °F	85 °F	160 °F	140 °F	5.5	1"	PRICE SDV	
V-6	CONFERENCE ROOM 10.1.160	350	110	6"Ø	8"Ø	0.5	350	55 °F	85 °F	160 °F	140 °F	1.1	1/2"	PRICE SDV	
V-7	WAITING ROOM 10.1.078	1,000	300	10"Ø	12"Ø	0.5	1,000	55 °F	85 °F	160 °F	140 °F	3.2	3/4"	PRICE SDV	
V-8	INTERVIEW ROOMS 10.1.080/079/164	375	110	6"Ø	8"Ø	0.5	375	55 °F	85 °F	160 °F	140 °F	1.2	1/2"	PRICE SDV	
V-9	CORRIDOR 10.1.028	2,300	690	14"Ø	16"Ø	0.5	2,300	55 °F	95 °F	160 °F	140 °F	9.9	1 1/4"	PRICE SDV	
V-10	OFFICE 10.1.107/APP. STATIONS 10.1.081	400	120	6"Ø	8"Ø	0.5	400	55 °F	85 °F	160 °F	140 °F	1.3	1/2"	PRICE SDV	
V-11	OFFICE 10.1.103/101. I.R. 10.1.082/083	400	120	6"Ø	8"Ø	0.5	400	55 °F	85 °F	160 °F	140 °F	1.3	1/2"	PRICE SDV	
V-12	ONLINE APPLICATIONS ROOM 10.1.084	225	70	5"Ø	6"Ø	0.5	225	55 °F	85 °F	160 °F	140 °F	0.7	1/2"	PRICE SDV	
V-13	OFFICE 10.1.131/133/135/137/143/144	525	160	8"Ø	10"Ø	0.5	525	55 °F	85 °F	160 °F	140 °F	1.7	3/4"	PRICE SDV	
V-14	CORRIDOR 10.1.130	350	110	6"Ø	8"Ø	0.5	350	55 °F	90 °F	160 °F	140 °F	1.3	1/2"	PRICE SDV	
V-15	OFFICE 10.1.087/089/132/134/136/138	625	190	8"Ø	10"Ø	0.5	625	55 °F	85 °F	160 °F	140 °F	2	3/4"	PRICE SDV	
V-16	OFFICE 10.1.091/093/095/097/099	500	150	8"Ø	10"Ø	0.5	500	55 °F	85 °F	160 °F	140 °F	1.6	3/4"	PRICE SDV	
V-17	OFFICE 10.1.100/102/115/116	400	120	6"Ø	8"Ø	0.5	400	55 °F	85 °F	160 °F	140 °F	1.3	1/2"	PRICE SDV	
V-18	OFFICE 10.1.104/106/113/114	400	120	6"Ø	8"Ø	0.5	400	55 °F	85 °F	160 °F	140 °F	1.3	1/2"	PRICE SDV	
V-19	OFFICE 10.1.108/112/109. I.R. 10.1.032	450	140	6"Ø	8"Ø	0.5	450	55 °F	85 °F	160 °F	140 °F	1.5	1/2"	PRICE SDV	
V-20	CORRIDOR 10.1.028	2,300	690	14"Ø	16"Ø	0.5	2,300	55 °F	95 °F	160 °F	140 °F	9.9	1 1/4"	PRICE SDV	
V-21	WAITING ROOM 10.1.031	450	140	6"Ø	8"Ø	0.5	450	55 °F	85 °F	160 °F	140 °F	1.5	1/2"	PRICE SDV	
V-22	OPEN OFFICE 10.1.035	600	180	8"Ø	10"Ø	0.5	600	55 °F	85 °F	160 °F	140 °F	1.9	3/4"	PRICE SDV	
V-23	WORK ROOM 10.1.036	200	60	5"Ø	6"Ø	0.5	200	55 °F	85 °F	160 °F	140 °F	0.6	1/2"	PRICE SDV	
V-24	WORK AREA 10.1.098/CORR. 10.1.086	800	240	10"Ø	12"Ø	0.5	800	55 °F	85 °F	160 °F	140 °F	2.6	3/4"	PRICE SDV	
V-25	OFFICE 10.1.092/094/096/117/119	500	150	8"Ø	10"Ø	0.5	500	55 °F	85 °F	160 °F	140 °F	1.6	3/4"	PRICE SDV	
V-26	OFFICE 10.1.088/090/121/123/125	500	150	8"Ø	10"Ø	0.5	500	55 °F	85 °F	160 °F	140 °F	1.6	3/4"	PRICE SDV	
V-27	KITCHENETTE 10.1.127	175	50	5"Ø	6"Ø	0.5	175	55 °F	90 °F	160 °F	140 °F	0.7	1/2"	PRICE SDV	
V-28	OFFICE 10.1.045/128	225	70	5"Ø	6"Ø	0.5	225	55 °F	85 °F	160 °F	140 °F	0.7	1/2"	PRICE SDV	
V-29	OFFICE 10.1.118/120/122/124/126	600	180	8"Ø	10"Ø	0.5	600	55 °F	85 °F	160 °F	140 °F	1.9	3/4"	PRICE SDV	
V-30	OFFICE 10.1.039/040/041/042/043/044	675	200	8"Ø	10"Ø	0.5	675	55 °F	85 °F	160 °F	140 °F	2.2	3/4"	PRICE SDV	
V-31	CORRIDOR 10.1.038	675	200	8"Ø	10"Ø	0.5	675	55 °F	85 °F	160 °F	140 °F	2.2	3/4"	PRICE SDV	
V-32	OFFICE 10.1.045/046	200	60	6"Ø	8"Ø	0.5	200	55 °F	85 °F	160 °F	140 °F	0.6	1/2"	PRICE SDV	
V-33	OFFICE 10.1.052/INTER. ROOM 10.1.053	250	80	5"Ø	6"Ø	0.5	250	55 °F	85 °F	160 °F	140 °F	0.8	1/2"	PRICE SDV	
V-34	CONFERENCE ROOM 10.1.033	425	130	6"Ø	8"Ø	0.5	425	55 °F	85 °F	160 °F	140 °F	1.4	1/2"	PRICE SDV	
V-35	CORRIDOR 10.1.006	1,875	560	14"Ø	16"Ø	0.5	1,875	55 °F	85 °F	160 °F	140 °F	6.1	1"	PRICE SDV	
V-36	CONFERENCE ROOM 10.1.056	200	60	5"Ø	6"Ø	0.5	200	55 °F	85 °F	160 °F	140 °F	0.6	1/2"	PRICE SDV	
V-37	OFFICE 10.1.055/058	350	110	5"Ø	6"Ø	0.5	350	55 °F	85 °F	160 °F	140 °F	1.1	1/2"	PRICE SDV	
V-38	OFFICE 10.1.050/051/059/062	500	150	8"Ø	10"Ø	0.5	500	55 °F	85 °F	160 °F	140 °F	1.6	3/4"	PRICE SDV	
V-39	CONFERENCE ROOM 10.1.074	425	130	6"Ø	8"Ø	0.5	425	55 °F	85 °F	160 °F	140 °F	1.4	1/2"	PRICE SDV	
V-40	OFFICE 10.1.047/048/049/076/073	600	180	8"Ø	10"Ø	0.5	600	55 °F	85 °F	160 °F	140 °F	1.9	3/4"	PRICE SDV	
V-41	OFFICE 10.1.077	200	60	5"Ø	6"Ø	0.5	200	55 °F	85 °F	160 °F	140 °F	0.6	1/2"	PRICE SDV	
V-42	OFFICE 10.1.069/070/071/072	400	120	6"Ø	8"Ø	0.5	400	55 °F	85 °F	160 °F	140 °F	1.3	1/2"	PRICE SDV	
V-43	OFFICE 10.1.063/064/065/066/067/068/069	600	180	8"Ø	10"Ø	0.5	600	55 °F	85 °F	160 °F	140 °F	1.9	3/4"	PRICE SDV	
V-44	PEDESTRIAN WALKWAY 10.1.024	800	240	10"Ø	12"Ø	0.5	800	55 °F	85 °F	160 °F	140 °F	2.6	3/4"	PRICE SDV	
V-45	OFFICE 10.1.018/019/020/021	400	120	6"Ø	8"Ø	0.5	400	55 °F	85 °F	160 °F	140 °F	1.3	1/2"	PRICE SDV	
V-46	OFFICE 10.1.017	175	50	5"Ø	6"Ø	0.5	175	55 °F	85 °F	160 °F	140 °F	0.6	1/2"	PRICE SDV	
V-47	OFFICE 10.1.016	200	60	5"Ø	6"Ø	0.5	200	55 °F	90 °F	160 °F	140 °F	0.8	1/2"	PRICE SDV	
V-48	OFFICE 10.1.014	125	40	5"Ø	6"Ø	0.5	125	55 °F	95 °F	160 °F	140 °F	0.5	1/2"	PRICE SDV	
V-49	SCREENING 10.1.003	750	230	8"Ø	10"Ø	0.5	750	55 °F	85 °F	160 °F	140 °F	2.4	3/4"	PRICE SDV	
V-50	CUJ 10.1.005	375	110	6"Ø	8"Ø	0.5	375	55 °F	85 °F	160 °F	140 °F	1.2	1/2"	PRICE SDV	
V-51	WAITING ROOM 10.1.007	250	80	6"Ø	8"Ø	0.5	250	55 °F	85 °F	160 °F	140 °F	0.8	1/2"	PRICE SDV	
V-52	OPEN OFFICE 10.1.022	1,225	370	12"Ø	14"Ø	0.5	1,225	55 °F	85 °F	160 °F	140 °F	4	1"	PRICE SDV	
V-53	NON-SECURE VESTIBULE 10.1.001	1,300	390	12"Ø	14"Ø	0.5	1,300	55 °F	110 °F	160 °F	140 °F	7.7	1 1/4"	PRICE SDV	
V-54	CONFERENCE ROOM 10.1.008	450	140	6"Ø	8"Ø	0.5	450	55 °F	90 °F	160 °F	140 °F	1.7	3/4"	PRICE SDV	
V-55	OFFICE 10.1.010/011/012/013	400	120	6"Ø	8"Ø	0.5	400	55 °F	90 °F	160 °F	140 °F	1.5	1/2"	PRICE SDV	
V-56	OFFICE 10.2.063/065/067/069/085	525	160	8"Ø	10"Ø	0.5	525	55 °F	85 °F	160 °F	140 °F	1.7	3/4"	PRICE SDV	
V-57	OFFICE 10.2.080/081/082/083	575	170	8"Ø	10"Ø	0.5	575	55 °F	85 °F	160 °F	140 °F	1.9	3/4"	PRICE SDV	
V-58	OFFICE 10.2.072/074/076/078	450	140	6"Ø	8"Ø	0.5	450	55 °F	85 °F	160 °F	140 °F	1.5	1/2"	PRICE SDV	
V-59	OFFICE 10.2.047/049/051/055/077/079	675	200	8"Ø	10"Ø	0.5	675	55 °F	85 °F	160 °F	140 °F	2.2	3/4"	PRICE SDV	
V-60	OFFICE 10.2.052	225	70	5"Ø	6"Ø	0.5	225	55 °F	85 °F	160 °F	140 °F	0.7	1/2"	PRICE SDV	
V-61	VISITATION ROOM 10.2.062	300	90	6"Ø	8"Ø	0.5	300	55 °F	85 °F	160 °F	140 °F	1	1/2"	PRICE SDV	
V-62	VISITATION ROOM 10.2.064	425	130	6"Ø	8"Ø	0.5	425	55 °F	85 °F	160 °F	140 °F	1.4	1/2"	PRICE SDV	
V-63	OFFICE 10.2.035	225	70	5"Ø	6"Ø	0.5	225	55 °F	85 °F	160 °F	140 °F	0.7	1/2"	PRICE SDV	
V-64	OPEN OFFICE 10.2.034	1,000	300	10"Ø	12"Ø	0.5	1,000	55 °F	85 °F	160 °F	140 °F	3.2	3/4"	PRICE SDV	
V-65	CORRIDOR 10.2.006/003/071	600	180	8"Ø	10"Ø	0.5	600	55 °F	95 °F	160 °F	140 °F	2.6	3/4"	PRICE SDV	
V-66	CONFERENCE ROOM D 10.2.004d	725	220	8"Ø	10"Ø	0.5	725	55 °F	85 °F	160 °F	140 °F	2.3	3/4"	PRICE SDV	
V-67	CONFERENCE ROOM C 10.2.004c	725	220	8"Ø	10"Ø	0.5	725	55 °F	85 °F	160 °F	140 °F	2.3	3/4"	PRICE SDV	
V-68	CHAMBERS 10.2.011	150	50	5"Ø	6"Ø	0.5	150	55 °F	85 °F	160 °F	140 °F	0.5	1/2"	PRICE SDV	
V-69	COURTROOM 10.2.010	1,100	330	10"Ø	12"Ø	0.5	1,100	55 °F	85 °F	160 °F	140 °F	3.6	1"	PRICE SDV	
V-70	CONFERENCE ROOM A 10.2.004a	700	210	8"Ø	10"Ø	0.5	700	55 °F	85 °F	160 °F	140 °F	2.3	3/4"	PRICE SDV	
V-71	CONFERENCE ROOM B 10.2.004b	700	210	8"Ø	10"Ø	0.5	700	55 °F	85 °F	160 °F	140 °F	2.3	3/4"	PRICE SDV	
V-72	CONFERENCE 10.2.008/WAITING 10.2.009	200	60	5"Ø	6"Ø	0.5	200	55 °F	85 °F	160 °F	140 °F	0.6	1/2"	PRICE SDV	
V-															

FAN POWERED VAV BOXES

		BOX					FAN				HEATING COIL								MANUF. MODEL
UNIT NO.	SERVICE	TYPE	CFM OF STD. AIR	INLET DIA.	INLET DUCT DIA.	MIN. AIR FLOW	MAX. AIR P.D. IN IN. OF WATER	MOTOR HP	EXT. S.P. IN IN. WATER	FAN CFM OF STD AIR	FILTER TYPE	CFM OF STD. AIR	ENT. H2O TEMP.	LV. H2O TEMP.	ENT. AIR TEMP.	LV. AIR TEMP.	GPM	BRANCH PIPE SIZE	
FPV-1	EXISTING CORRIDOR	PARALLEL	575	8"	10"	175	0.5	0.125	0.5	400	MERV 8	575	160 °F	140 °F	55 °F	85 °F	1.2	1/2"	PRICE FDV
FPV-2	CLER. 04.0.G21	PARALLEL	900	10"	12"	270	0.5	0.25	0.5	630	MERV 8	900	160 °F	140 °F	55 °F	85 °F	3	3/4"	PRICE FDV
FPV-3	EMERGENCT OPERATIONS CENTER 04.0.007a	PARALLEL	950	10"	12"	285	0.5	0.25	0.5	665	MERV 8	950	160 °F	140 °F	55 °F	85 °F	3.1	3/4"	PRICE FDV
FPV-4	OFFICE 04.0.003	PARALLEL	115	6"	8"	35	0.5	0.125	0.5	80	MERV 8	115	160 °F	140 °F	55 °F	85 °F	0.4	1/2"	PRICE FDV
FPV-5	OFFICE 04.0.004/006/008/010	PARALLEL	635	8"	10"	190	0.5	0.125	0.5	445	MERV 8	635	160 °F	140 °F	55 °F	85 °F	2.1	3/4"	PRICE FDV
FPV-6	OPEN OFFICE 04.0.005	PARALLEL	600	8"	10"	180	0.5	0.125	0.5	420	MERV 8	600	160 °F	140 °F	55 °F	85 °F	2	3/4"	PRICE FDV
FPV-7	CLASSROOM/TRAINING 04.0.007b	PARALLEL	825	10"	12"	250	0.5	0.25	0.5	575	MERV 8	825	160 °F	140 °F	55 °F	85 °F	2.7	3/4"	PRICE FDV
FPV-8	UNASSIGNED 04.0.019	PARALLEL	450	8"	10"	135	0.5	0.125	0.5	315	MERV 8	450	160 °F	140 °F	55 °F	85 °F	1.5	1/2"	PRICE FDV
FPV-9	CONF. RM 04.0.012/OFFICE 04.0.14/016	PARALLEL	460	8"	10"	140	0.5	0.125	0.5	320	MERV 8	460	160 °F	140 °F	55 °F	85 °F	1.4	1/2"	PRICE FDV
FPV-10	CONFERENCE ROOM 04.0.015	PARALLEL	425	8"	10"	130	0.5	0.125	0.5	295	MERV 8	425	160 °F	140 °F	55 °F	85 °F	0.8	1/2"	PRICE FDV
FPV-11	OFFICE 04.1.013/014/016	PARALLEL	365	6"	8"	110	0.5	0.125	0.5	255	MERV 8	365	160 °F	140 °F	55 °F	95 °F	1.7	3/4"	PRICE FDV
FPV-12	OFFICE 04.1.006/015	PARALLEL	250	6"	8"	75	0.5	0.125	0.5	175	MERV 8	250	160 °F	140 °F	55 °F	80 °F	0.7	1/2"	PRICE FDV
FPV-13	WAITING 04.1.001/RECEPTION 04.1.002	PARALLEL	325	6"	8"	100	0.5	0.125	0.5	225	MERV 8	325	160 °F	140 °F	55 °F	80 °F	0.9	1/2"	PRICE FDV
FPV-14	CONFERENCE 04.1.005	PARALLEL	150	6"	8"	45	0.5	0.125	0.5	105	MERV 8	150	160 °F	140 °F	55 °F	80 °F	0.4	1/2"	PRICE FDV
FPV-15	OPEN OFFICE 04.1.004	PARALLEL	300	6"	8"	90	0.5	0.125	0.5	210	MERV 8	300	160 °F	140 °F	55 °F	80 °F	0.8	1/2"	PRICE FDV
FPV-16	OPEN OFFICE 04.1.008	PARALLEL	825	8"	10"	250	0.5	0.25	0.5	575	MERV 8	825	160 °F	140 °F	55 °F	80 °F	2	3/4"	PRICE FDV
FPV-17	CONF. RM. 04.1.019/WORK ROOM 04.1.017	PARALLEL	350	6"	8"	105	0.5	0.125	0.5	245	MERV 8	350	160 °F	140 °F	55 °F	80 °F	1	1/2"	PRICE FDV
FPV-18	OFFICE 04.1.022	PARALLEL	250	6"	8"	75	0.5	0.125	0.5	175	MERV 8	250	160 °F	140 °F	55 °F	90 °F	1	1/2"	PRICE FDV
FPV-19	OFFICE 04.1.023/024	PARALLEL	300	6"	8"	90	0.5	0.125	0.5	210	MERV 8	300	160 °F	140 °F	55 °F	90 °F	1.2	1/2"	PRICE FDV
FPV-20	OFFICE 04.1.026/027/028	PARALLEL	300	6"	8"	90	0.5	0.125	0.5	210	MERV 8	300	160 °F	140 °F	55 °F	100 °F	2.2	3/4"	PRICE FDV
FPV-21	OFFICE 04.1.029/030/031/032	PARALLEL	450	8"	10"	135	0.5	0.125	0.5	315	MERV 8	450	160 °F	140 °F	55 °F	80 °F	2.5	3/4"	PRICE FDV
FPV-22	OPEN OFFICE 04.1.036	PARALLEL	1,050	10"	12"	315	0.5	0.25	0.5	735	MERV 8	1,050	160 °F	140 °F	55 °F	80 °F	2.6	3/4"	PRICE FDV
FPV-23	CONFERENCE ROOM 04.1.039/041	PARALLEL	450	8"	10"	135	0.5	0.125	0.5	315	MERV 8	450	160 °F	140 °F	55 °F	80 °F	1.2	1/2"	PRICE FDV
FPV-24	OFFICE 04.1.003/042/043	PARALLEL	400	6"	8"	120	0.5	0.125	0.5	280	MERV 8	400	160 °F	140 °F	55 °F	80 °F	1.1	1/2"	PRICE FDV
FPV-25	OFFICE 04.1.010/011/012/038	PARALLEL	525	8"	10"	160	0.5	0.125	0.5	365	MERV 8	525	160 °F	140 °F	55 °F	80 °F	1.4	1/2"	PRICE FDV
FPV-26	VISITATION 04.1.045	PARALLEL	530	8"	10"	160	0.5	0.125	0.5	370	MERV 8	530	160 °F	140 °F	55 °F	80 °F	0.8	1/2"	PRICE FDV
FPV-27	COURTROOM 04.2.001	PARALLEL	2,260	14"	16"	680	0.5	0.75	0.5	1,580	MERV 8	2,260	160 °F	140 °F	55 °F	80 °F	5.7	1"	PRICE FDV
FPV-28	OFFICE 04.1.018/020	PARALLEL	225	6"	8"	70	0.5	0.125	0.5	155	MERV 8	225	160 °F	140 °F	55 °F	80 °F	1.1	1/2"	PRICE FDV
FPV-29	STORAGE 04.1.035	PARALLEL	350	6"	8"	105	0.5	0.125	0.5	245	MERV 8	350	160 °F	140 °F	55 °F	90 °F	1.2	1/2"	PRICE FDV

MOTOR STARTERS

DESCRIPTION	ELECTRICAL DATA					STARTER				DISCONNECT				REMARKS
	MCA	MOCP	HP	VOLTAGE	PHASE	KW	FURNISHED BY	INSTALLED BY	LOCATION	TYPE	FURNISHED BY	INSTALLED BY	LOCATION	
AHU-10-1			15	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	UNIT HAS TWO (2) FAN MOTORS
AHU-10-2			15	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	UNIT HAS TWO (2) FAN MOTORS
AHU-10-3			15	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	UNIT HAS TWO (2) FAN MOTORS
AHU-N2			10	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
CE-1				120	1	0.06	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
CE-2				120	1	0.06	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
CE-3				120	1	0.06	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
CE-4				120	1	0.11	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
CE-5				120	1	0.11	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
CE-6				120	1	0.11	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
CE-7				120	1	0.06	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
CH-1			0.02	120	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
CH-2			0.02	120	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
CH-3			0.02	120	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
CH-4			0.02	120	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
CH-5			0.1	120	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
CH-6			0.1	120	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
CT-1			40	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
CT-2			40	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
DS-1				120	1	0.14	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
DS-2				120	1	0.14	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
DS-3				120	1	0.14	HVAC	EC	NEAR UNIT	SP. SW.	EC	EC	NEAR UNIT	
FPV-1			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-2			0.25	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-3			0.25	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-4			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-5			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-6			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-7			0.25	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-8			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-9			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-10			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-11			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-12			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-13			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-14			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-15			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-16			0.25	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-17			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-18			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-19			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-20			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-21			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-22			0.25	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-23			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-24			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-25			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-26			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-27			0.75	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-28			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
FPV-29			0.13	277	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
IP-1			5	480	3		HVAC	EC	NEAR UNIT	VFD	EC	EC	NEAR UNIT	
IP-2			5	480	3		HVAC	EC	NEAR UNIT	VFD	EC	EC	NEAR UNIT	
IP-3			3	480	3		HVAC	EC	NEAR UNIT	VFD	EC	EC	NEAR UNIT	
IP-4			0.17	120	1		HVAC	EC	NEAR UNIT	MAN.	HVAC	-	PRE-WIRED	
OU-1	18	30		208	1		HVAC	HVAC	PRE-WIRED	-	HVAC	EC	NEAR UNIT	
OU-2	18	30		208	1		HVAC	HVAC	PRE-WIRED	-	HVAC	EC	NEAR UNIT	
OU-3	18	30		208	1		HVAC	HVAC	PRE-WIRED	-	HVAC	EC	NEAR UNIT	
OU-4	18	30		208	1		HVAC	HVAC	PRE-WIRED	-	HVAC	EC	NEAR UNIT	
P-1			50	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
P-2			50	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
P-3			50	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
P-4			40	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
P-5			40	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
P-6			40	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
P-7			30	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
P-8			30	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
P-9			30	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
RAC-1	1	15		208	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
RAC-2	1	15		208	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
RAC-3	1	15		208	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
RAC-4	1	15		208	1		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
RE-1			2	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
RE-2			0.25	120	1		HVAC	EC	NEAR UNIT	SP. SW.	HVAC	-	PRE-WIRED	
RE-3			0.5	120	1		HVAC	EC	NEAR UNIT	SP. SW.	HVAC	-	PRE-WIRED	
RE-4			0.25	120	1		HVAC	EC	NEAR UNIT	SP. SW.	HVAC	-	PRE-WIRED	
RE-5			0.13	120	1		HVAC	EC	NEAR UNIT	SP. SW.	HVAC	-	PRE-WIRED	
RE-6			0.13	120	1		HVAC	EC	NEAR UNIT	SP. SW.	HVAC	-	PRE-WIRED	
RF-10-1			7.5	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
RF-10-2			7.5	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
RF-10-3			7.5	480	3		HVAC	EC	NEAR UNIT	VFD	HVAC	-	PRE-WIRED	
UH-1			0.07	120	1		HVAC	EC	NEAR UNIT	MAN.	EC	EC	NEAR UNIT	
UH-2			0.07	120	1		HVAC	EC	NEAR UNIT	MAN.	EC	EC	NEAR UNIT	
UH-3			0.07	120	1		HVAC	EC	NEAR UNIT	MAN.	EC	EC	NEAR UNIT	
WCC-1	490	684		480	3		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	
WCC-2	490	684		480	3		HVAC	HVAC	PRE-WIRED	-	EC	EC	NEAR UNIT	



1 HVAC COMPOSITE PLAN - EL. 780.00
H200 1" = 20'-0"

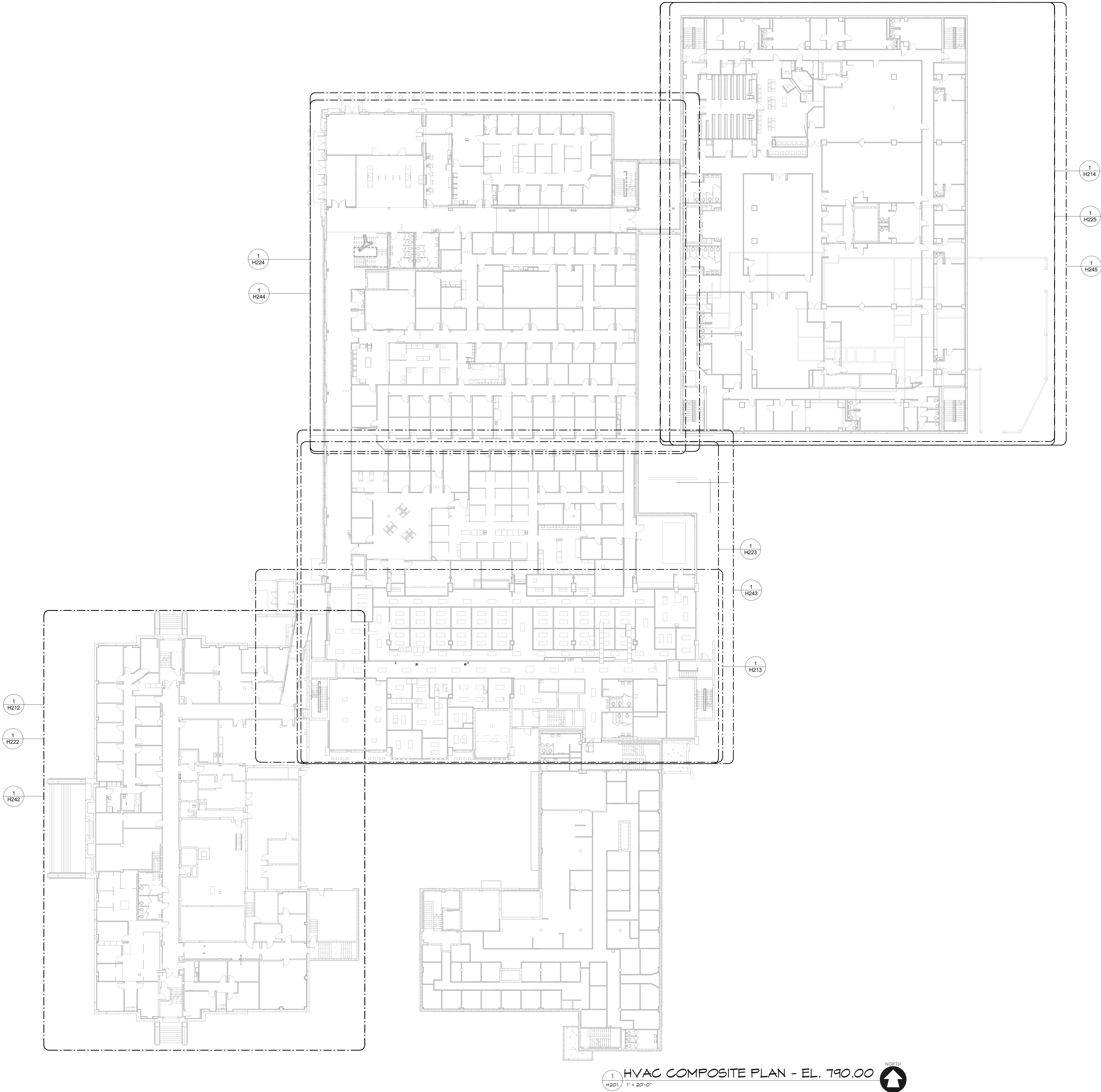


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DATE	
MARCH 3, 2017	
SHEET NO.	

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 HVAC COMPOSITE PLAN

H200

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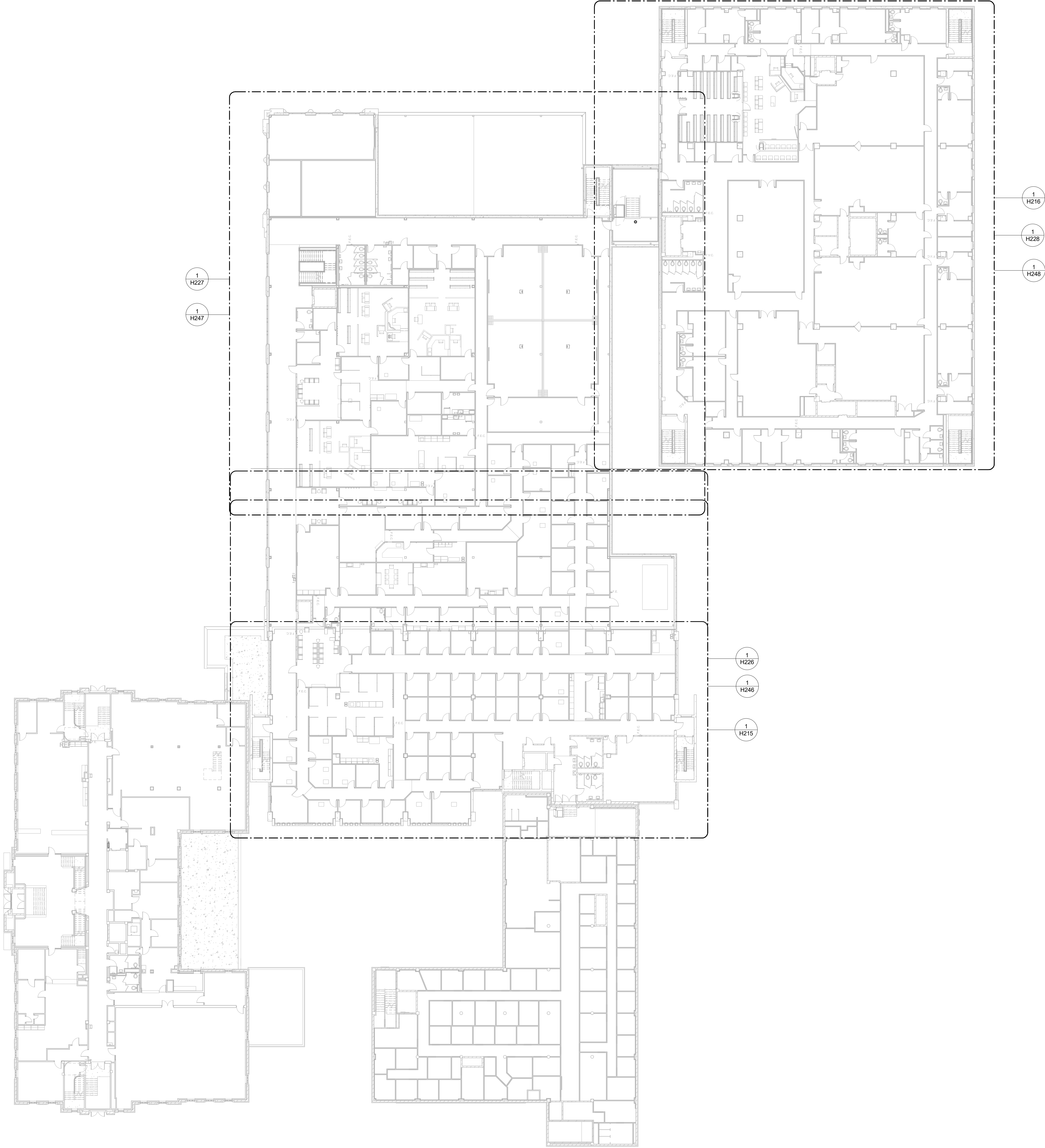
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LEVEL 790.00 HVAC COMPOSITE PLAN

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H201

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1
H202 1" = 20'-0"



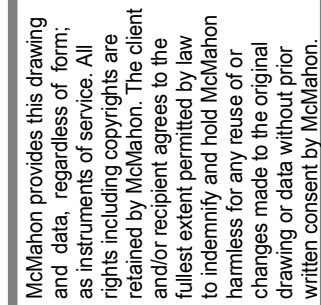
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00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	
H202	

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
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LEVEL 805.00 HVAC COMPOSITE PLAN

NO.	DATE	REVISION

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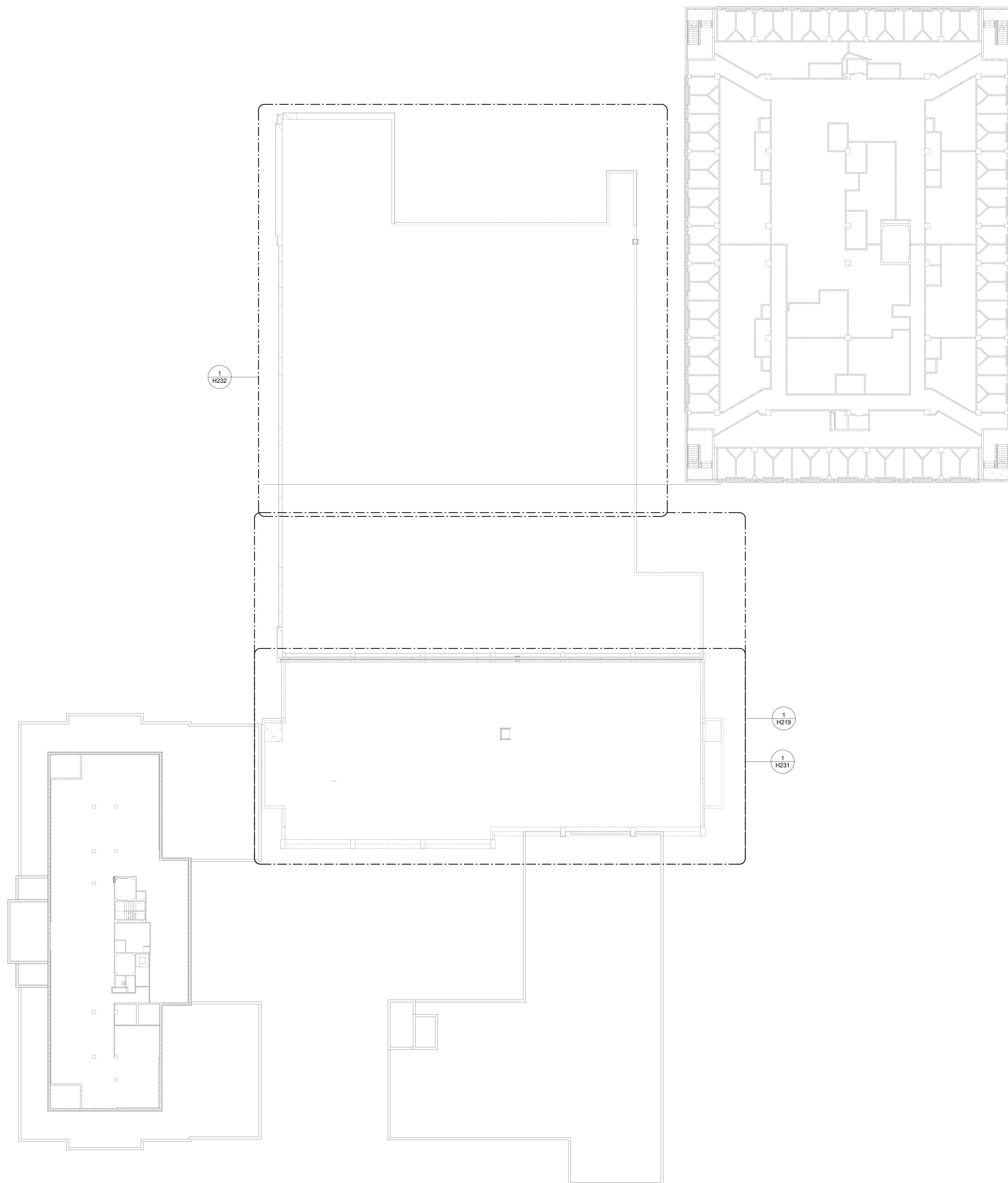
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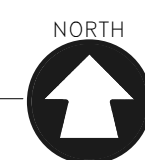
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 HVAC COMPOSITE PLAN

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DATE MARCH 3, 2017	
SHEET NO.	

H203



1 HVAC COMPOSITE PLAN - EL. 835.00
H204 1" = 20'-0"



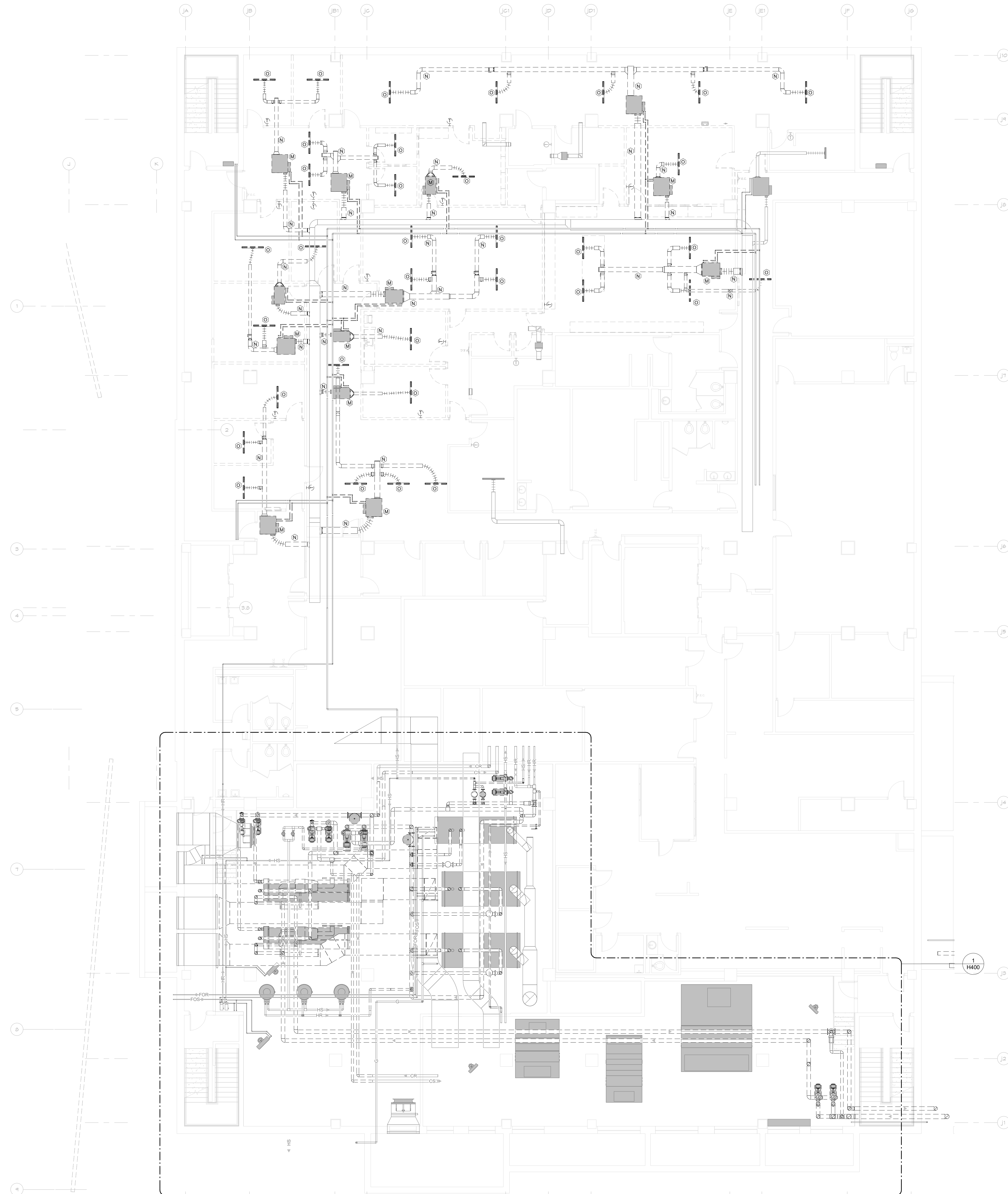
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PROJECT NO.	
O0002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 835.00 HVAC COMPOSITE PLAN

H204

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1 ENLARGED DEMOLITION PLAN
H210 1/8" = 1'-0"



DEMOLITION SYMBOL	DESCRIPTION
_____	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
-----	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED. CONDENSER WATER PIPING, REFRIGERANT RIG PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING ROOF PENETRATIONS WITH INSULATED SHEET METAL COVER AND SEAL WATERTIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEETMETAL COVER SEALED WATERTIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION OF NEW WORK PLAN.
T	REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
U	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
V	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
W	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
X	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
Y	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Z	REMOVE EXISTING TYPICAL LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 HVAC DEMOLITION PLAN - JUSTICE CENTER

DESIGNED RA	DRAWN JJ
PROJECT NO. C0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

H210

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1 H211 ENLARGED DEMOLITION PLAN
1/8" = 1'-0"

0' 4' 8' 16' 24'

NORTH

DEMOLITION SYMBOL	DESCRIPTION
---	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
-----	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING ROOF PENETRATION WITH AN INSULATED SHEET METAL COVER AND SEAL WATERTIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEETMETAL COVER SEALED WATERTIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION. SEE NEW WORK PLAN. REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
T	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
U	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
V	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
W	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
X	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Y	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.0 HVAC DEMOLITION PLAN - HHS SOUTH

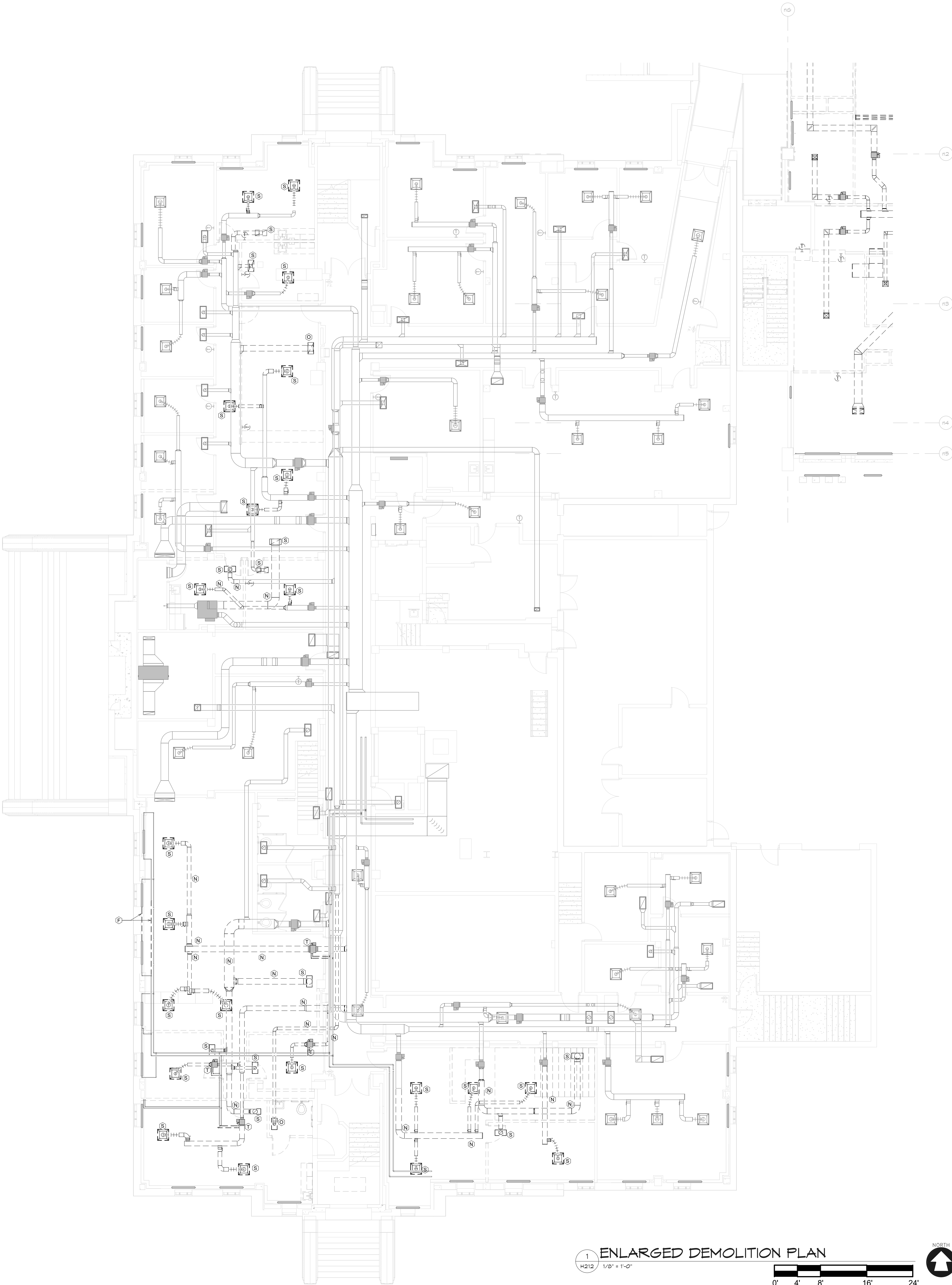
DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H211

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Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmahp.com

2 ENLARGED DEMOLITION PLAN
H212 1/8" = 1'-0"
0' 4' 8' 16' 24'



1 ENLARGED DEMOLITION PLAN
H212 1/8" = 1'-0"
0' 4' 8' 16' 24'



DEMOLITION SYMBOL	DESCRIPTION
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING ROOF PENETRATION WITH AN INSULATED SHEET METAL COVER AND SEAL WATER TIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEETMETAL COVER SEALED WATER TIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION. SEE NEW WORK PLAN. REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
T	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
U	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
V	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
W	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
X	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Y	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC DEMOLITION PLAN - CAB

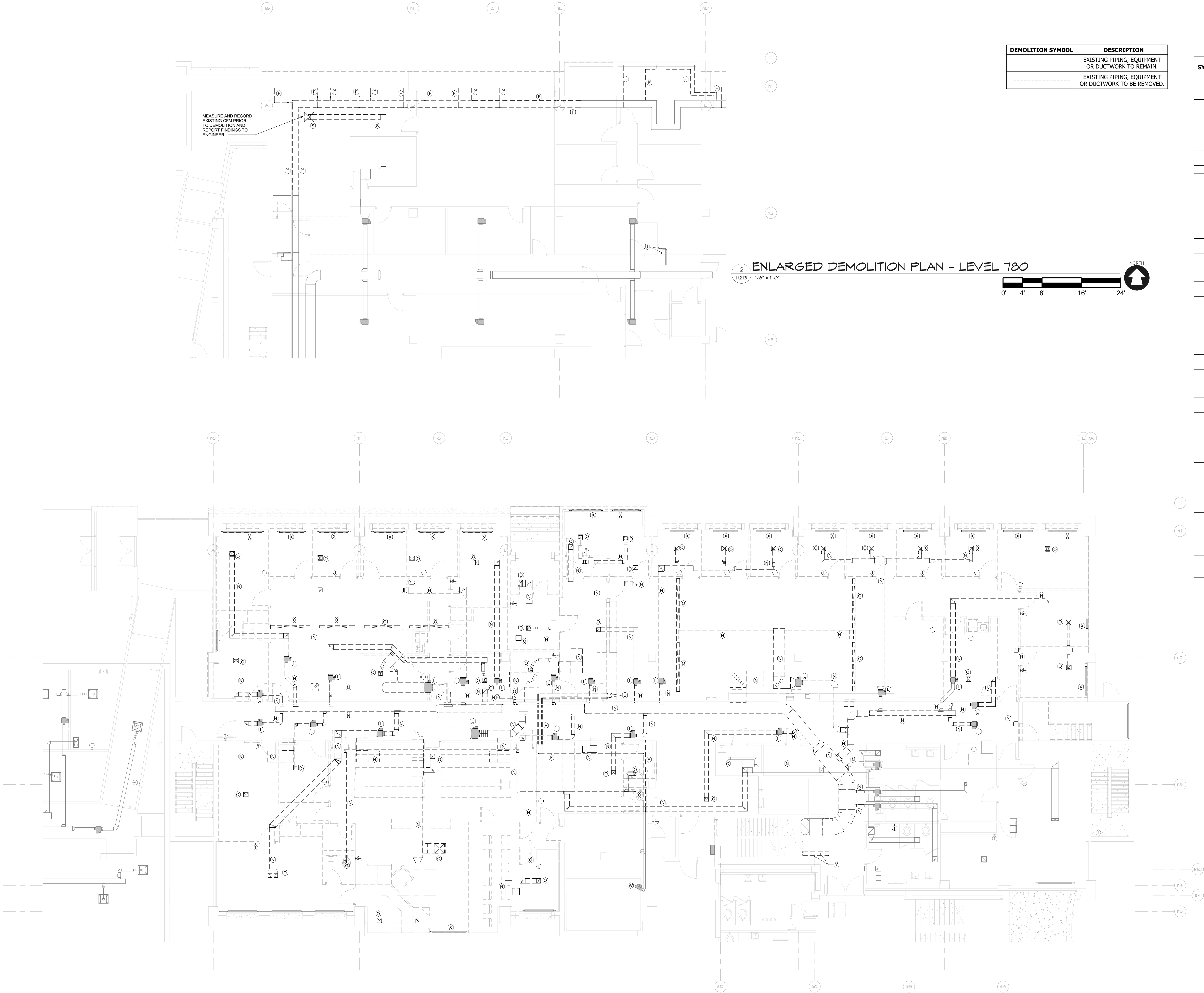
DESIGNED RA	DRAWN JJ
PROJECT NO. 00002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

H212

McMAHON
ENGINEERS ARCHITECTS
1000 N. KENYON AVE., SUITE 200
MILWAUKEE, WI 53233
Tel: (414) 761-4200 Fax: (414) 761-4201
www.mcmahongen.com

REVISION

NO. DATE



DEMOLITION SYMBOL	DESCRIPTION
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL, CAP VENTING ROOF PENETRATION WITH AN INSULATED SHEET METAL COVER AND SEAL WATERTIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATERTIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEETMETAL COVER SEALED WATERTIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION. SEE NEW WORK PLAN. REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
T	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
U	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
V	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
W	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
X	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Y	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

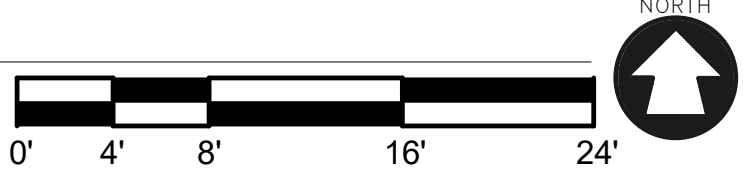
2 ENLARGED DEMOLITION PLAN - LEVEL 780

H219 1/8" = 1'-0"



1 ENLARGED DEMOLITION PLAN

H219 1/8" = 1'-0"



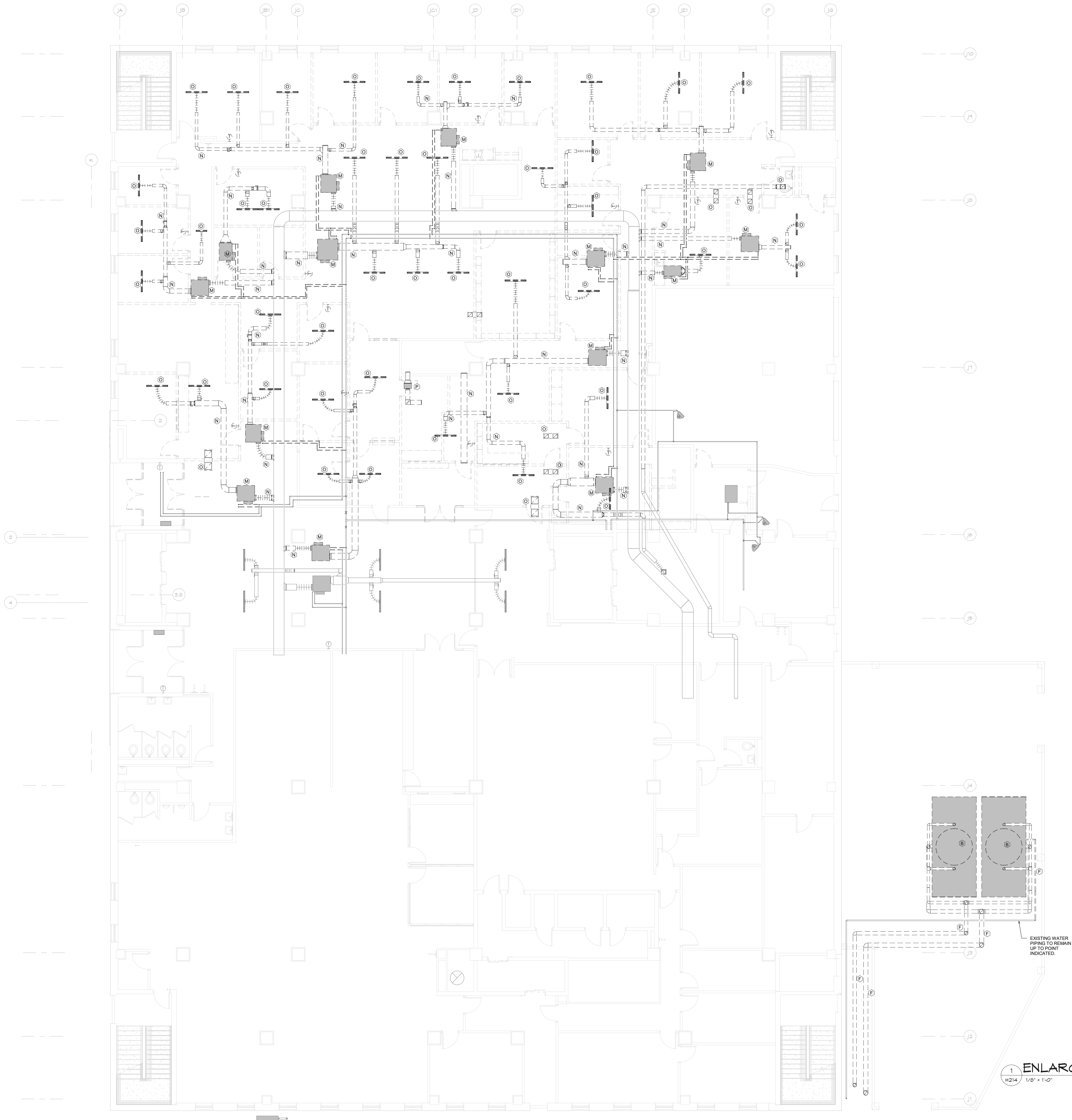
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC DEMOLITION PLAN - HHS NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H213

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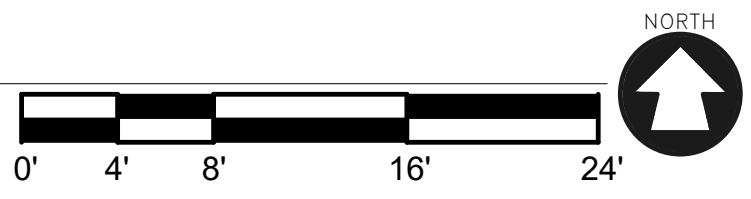
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DEMOLITION SYMBOL	DESCRIPTION
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING ROOF PENETRATION WITH AN INSULATED SHEET METAL COVER AND SEAL WATERTIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEETMETAL COVER SEALED WATERTIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION. SEE NEW WORK PLAN. REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
T	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
U	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
V	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
W	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
X	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Y	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

1 ENLARGED DEMOLITION PLAN
H214 1/8" = 1'-0"



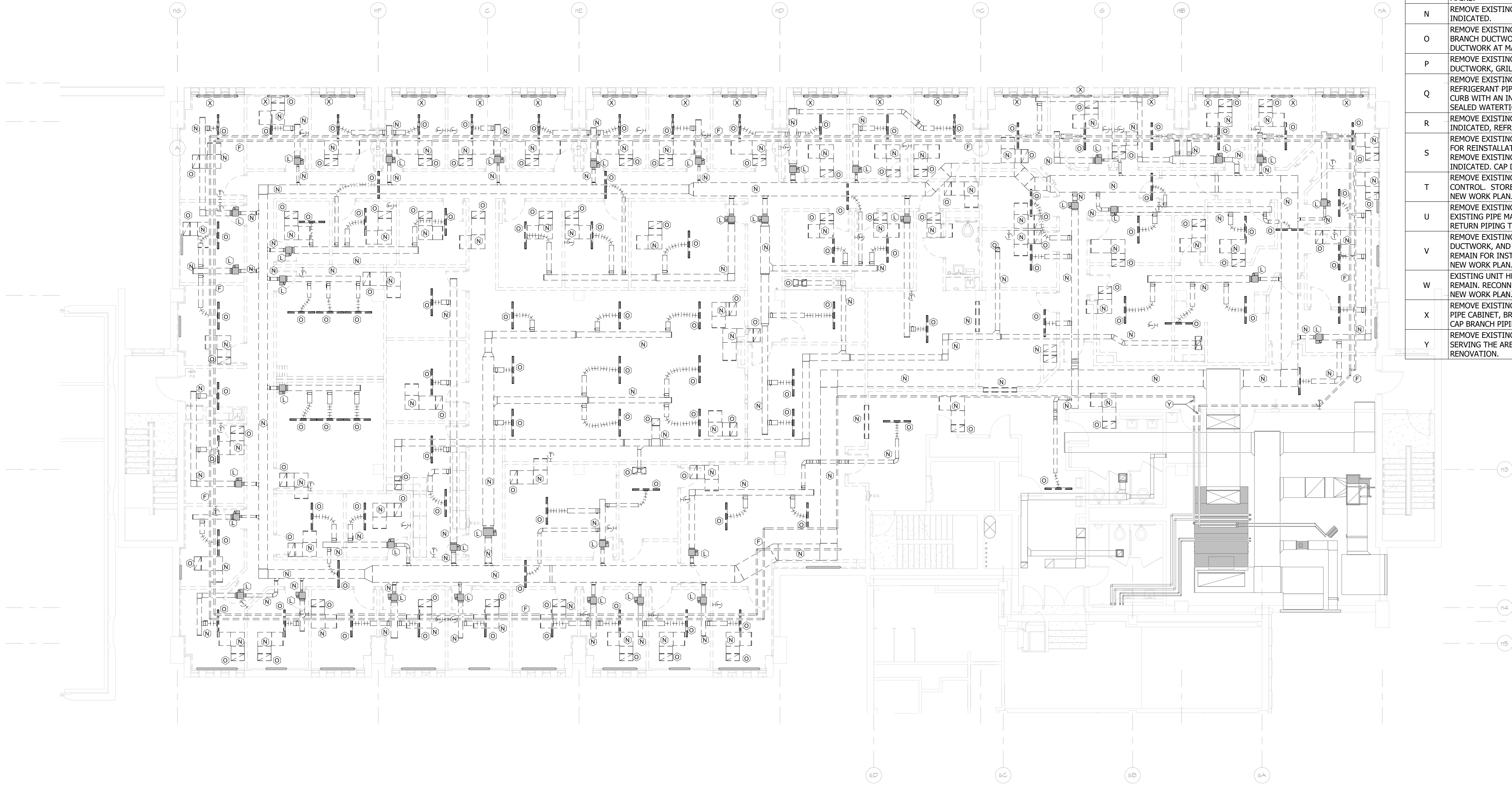
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC DEMOLITION PLAN - JUSTICE CENTER

DESIGNED	RA
DRAWN	JJ
PROJECT NO.	00002-61600160
DATE	MARCH 3, 2017
SHEET NO.	

H214

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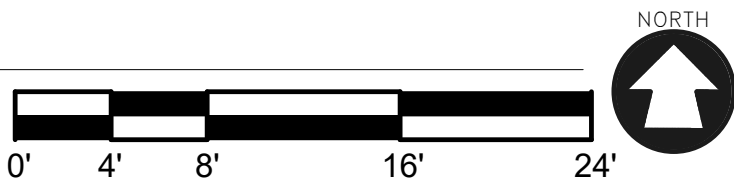
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APPLETON, WI 54911
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmahp.com



DEMOLITION SYMBOL	DESCRIPTION
---	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
----	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING ROOF PENETRATION WITH AN INSULATED SHEET METAL COVER AND SEAL WATER TIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION. SEE NEW WORK PLAN. REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
T	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
U	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
V	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
W	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
X	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Y	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

1 ENLARGED DEMOLITION PLAN
H215 1/8" = 1'-0"



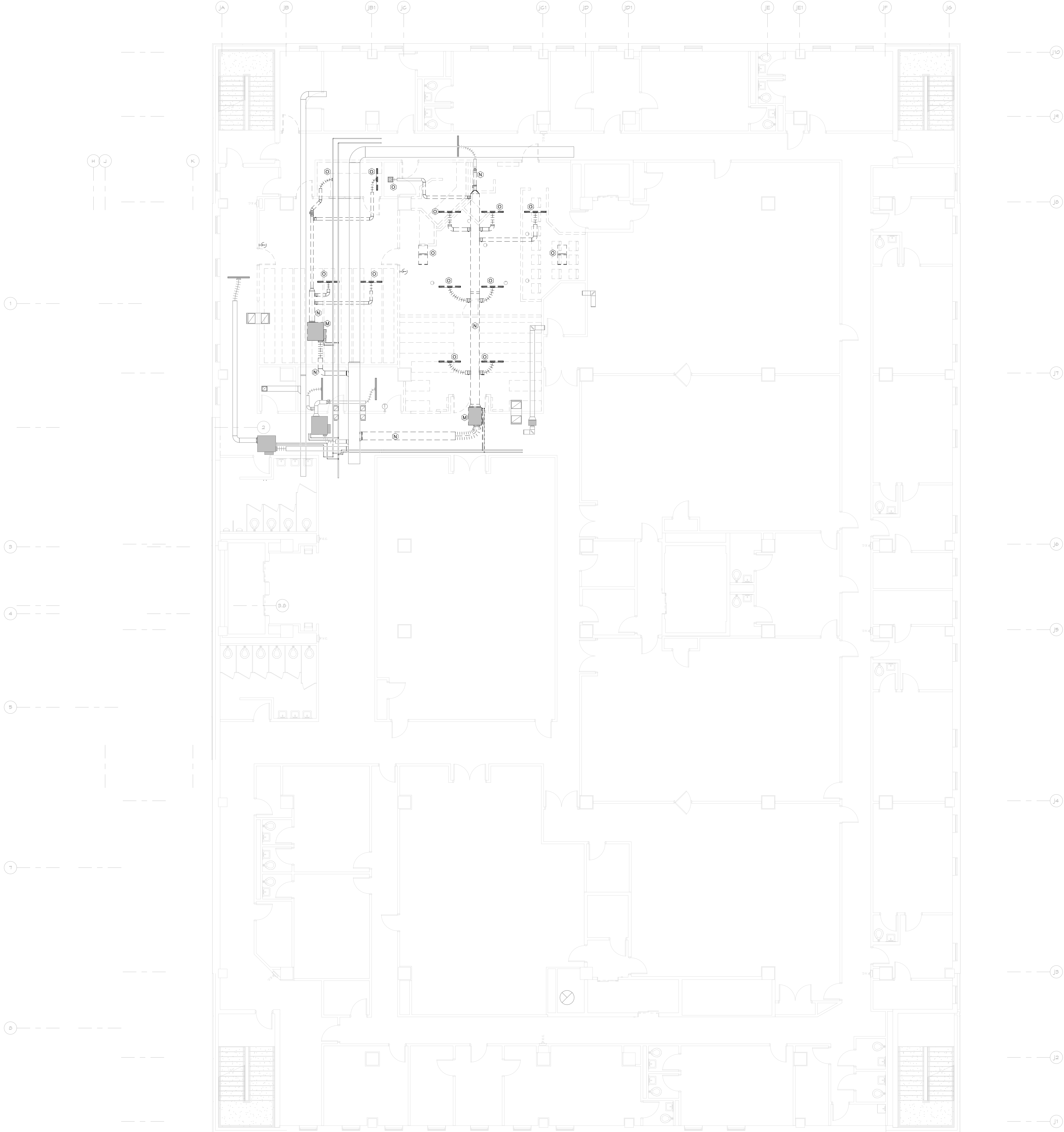
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 HVAC DEMOLITION PLAN - HHS NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

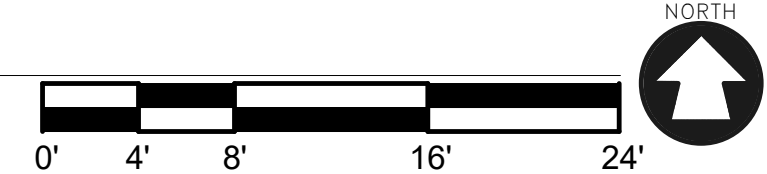
H215

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1
H216 1/8" = 1'-0" ENLARGED DEMOLITION PLAN



DEMOLITION SYMBOL	DESCRIPTION
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING ROOF PENETRATION WITH AN INSULATED SHEET METAL COVER AND SEAL WATERTIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEETMETAL COVER SEALED WATERTIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION. SEE NEW WORK PLAN. REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
T	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
U	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
V	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
W	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
X	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Y	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

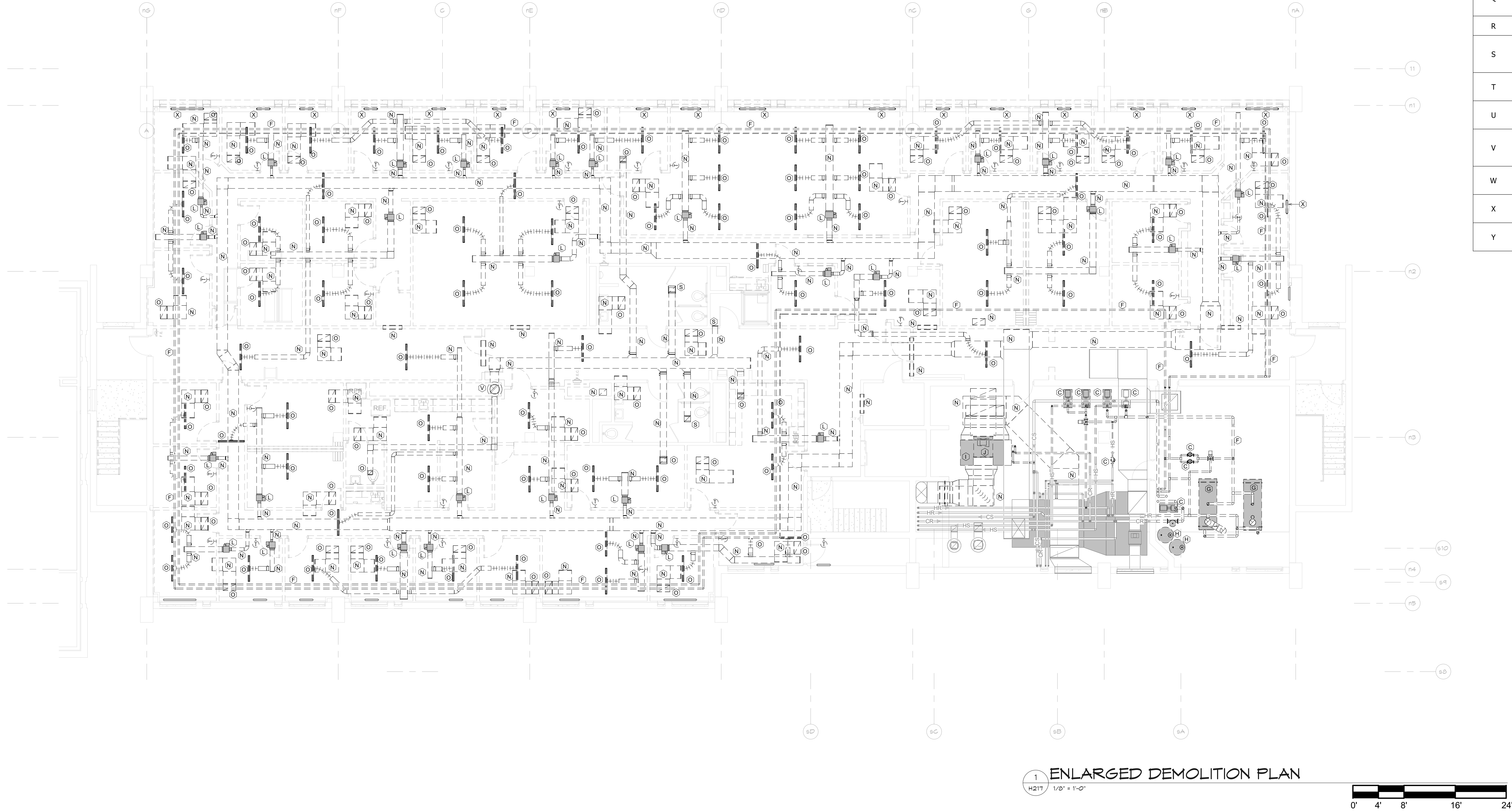
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 HVAC DEMOLITION PLAN - JUSTICE CENTER

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H216

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DEMOLITION SYMBOL	DESCRIPTION
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING ROOF PENETRATION WITH AN INSULATED SHEET METAL COVER AND SEAL WATERTIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEETMETAL COVER SEALED WATERTIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION. SEE NEW WORK PLAN. REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
T	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
U	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
V	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
W	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
X	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Y	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

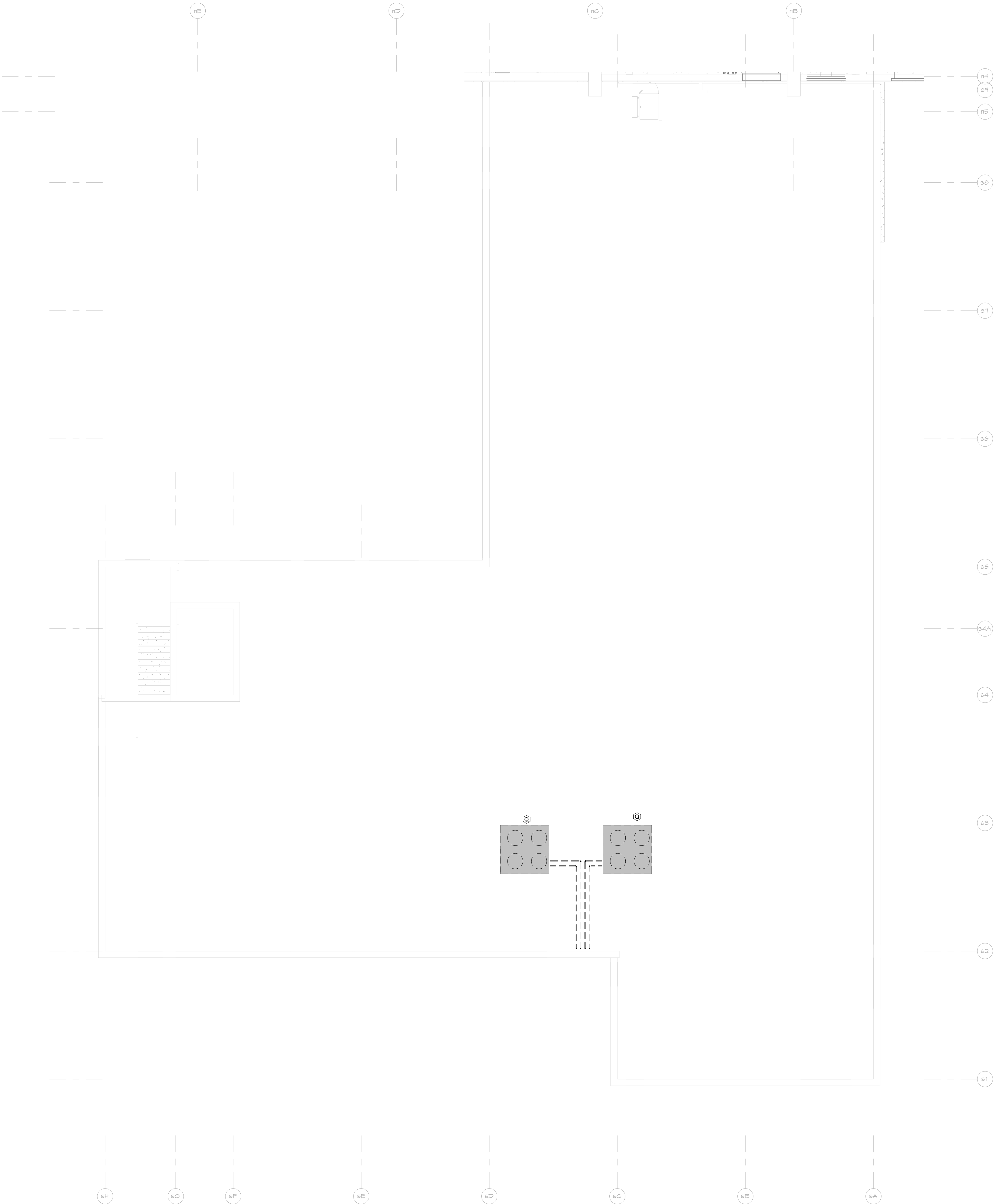
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 HVAC DEMOLITION PLAN - HHS NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

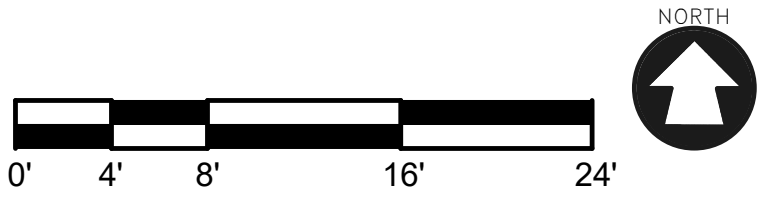
H217

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1 ENLARGED DEMOLITION PLAN
H218 1/8" = 1'-0"



DEMOLITION SYMBOL	DESCRIPTION
---	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
-----	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING ROOF PENETRATION WITH AN INSULATED SHEET METAL COVER AND SEAL WATERTIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEETMETAL COVER SEALED WATER TIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION. SEE NEW WORK PLAN. REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
T	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
U	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
V	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
W	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
X	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Y	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

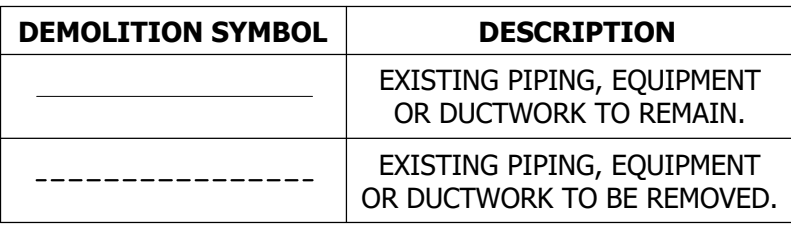
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.0 HVAC DEMOLITION PLAN - HHS SOUTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

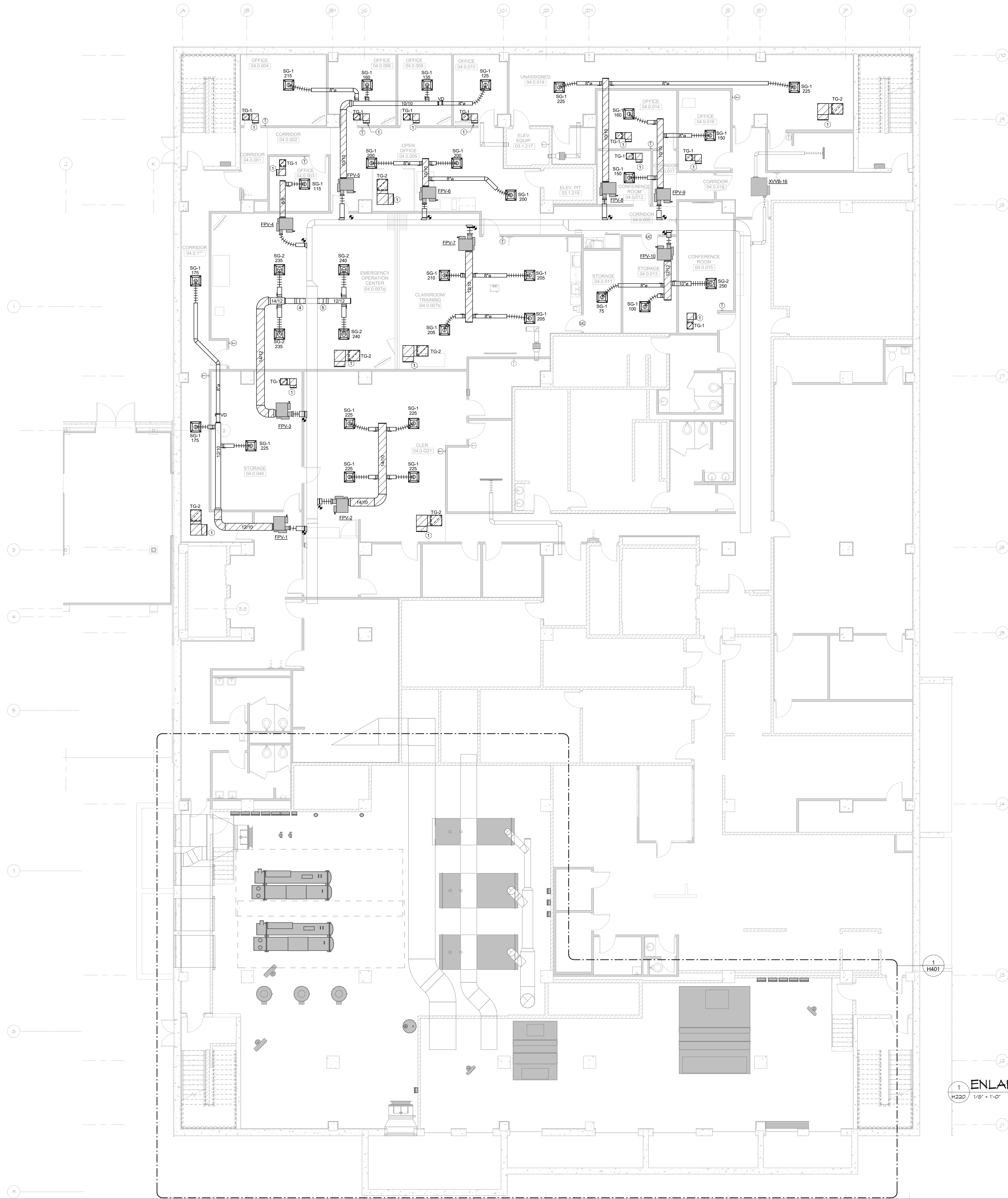
H218

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DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CAP-LED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING PENETRATION. SEE NEW WORK PLAN. SHEET METAL COVER AND SEAL WATERTIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLINGS UNIT, BRANCH PIPING, CHILLED WATER COIL PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE COVER WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE COVER WITH AN INSULATED SHEETMETAL COVER SEALED WATERTIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL.
S	REMOVE EXISTING GRILLE/DIFFUSER AND STORE REINSTATATION. SEE NEW WORK PLAN.
T	REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
U	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
V	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
W	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
X	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HX MAINS. SEE NEW WORK PLAN.
Y	REMOVE EXISTING FIN TUBE RADIATOR, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Z	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.



1 H220
1/8" = 1'-0"



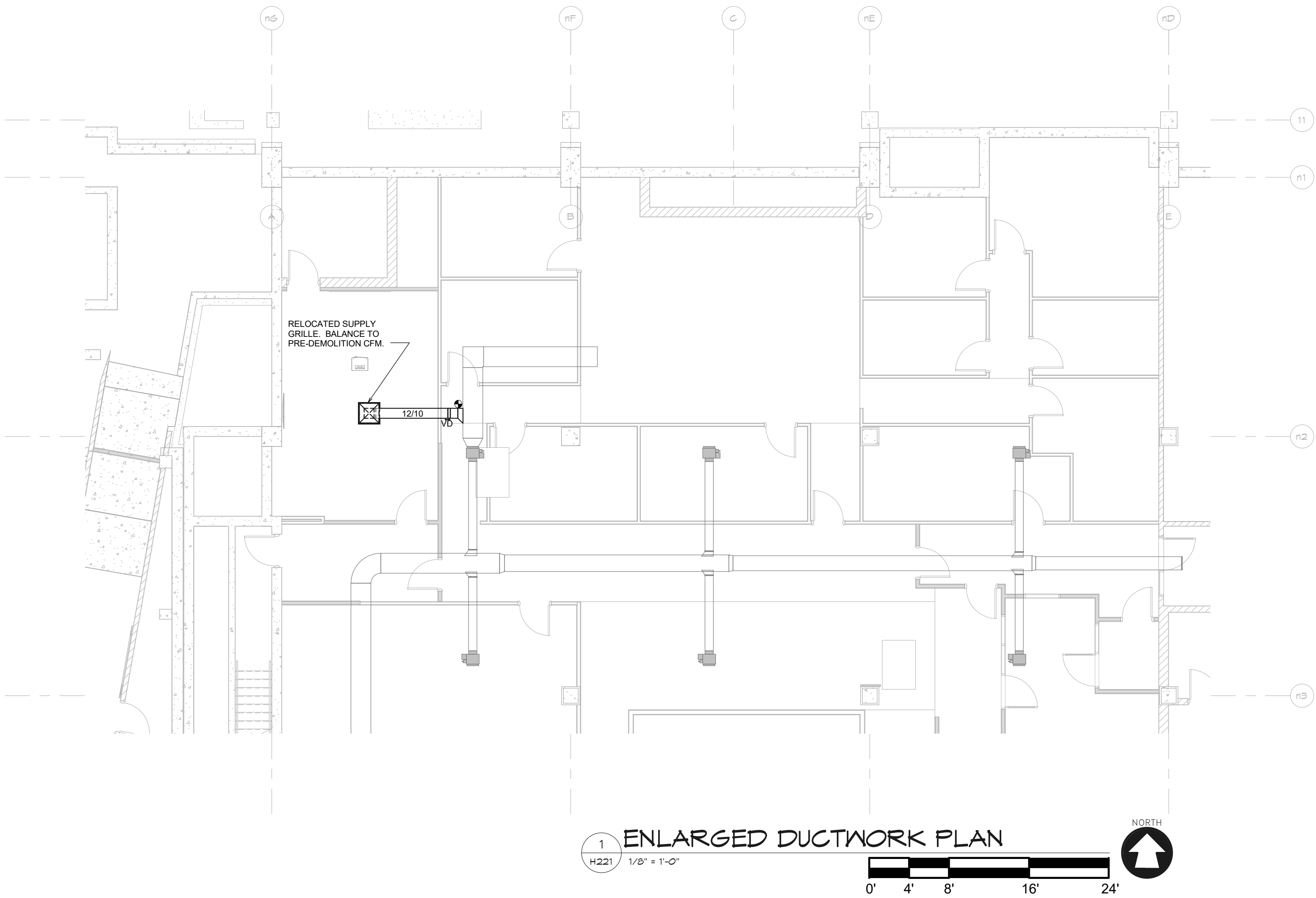
KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
10	EXTEND RELIEF PIPING FROM VALVE CONNECTIONS ON BOTH EVAPORATOR AND CONDENSER SECTIONS TO THE EXHAUST AREA WELL IN THE SOUTH END OF THE ROOM. PIPE SIZING, DIAGRAMS, AND TERMINATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION. COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.
12	

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 HVAC DUCTWORK PLAN - JUSTICE CENTER

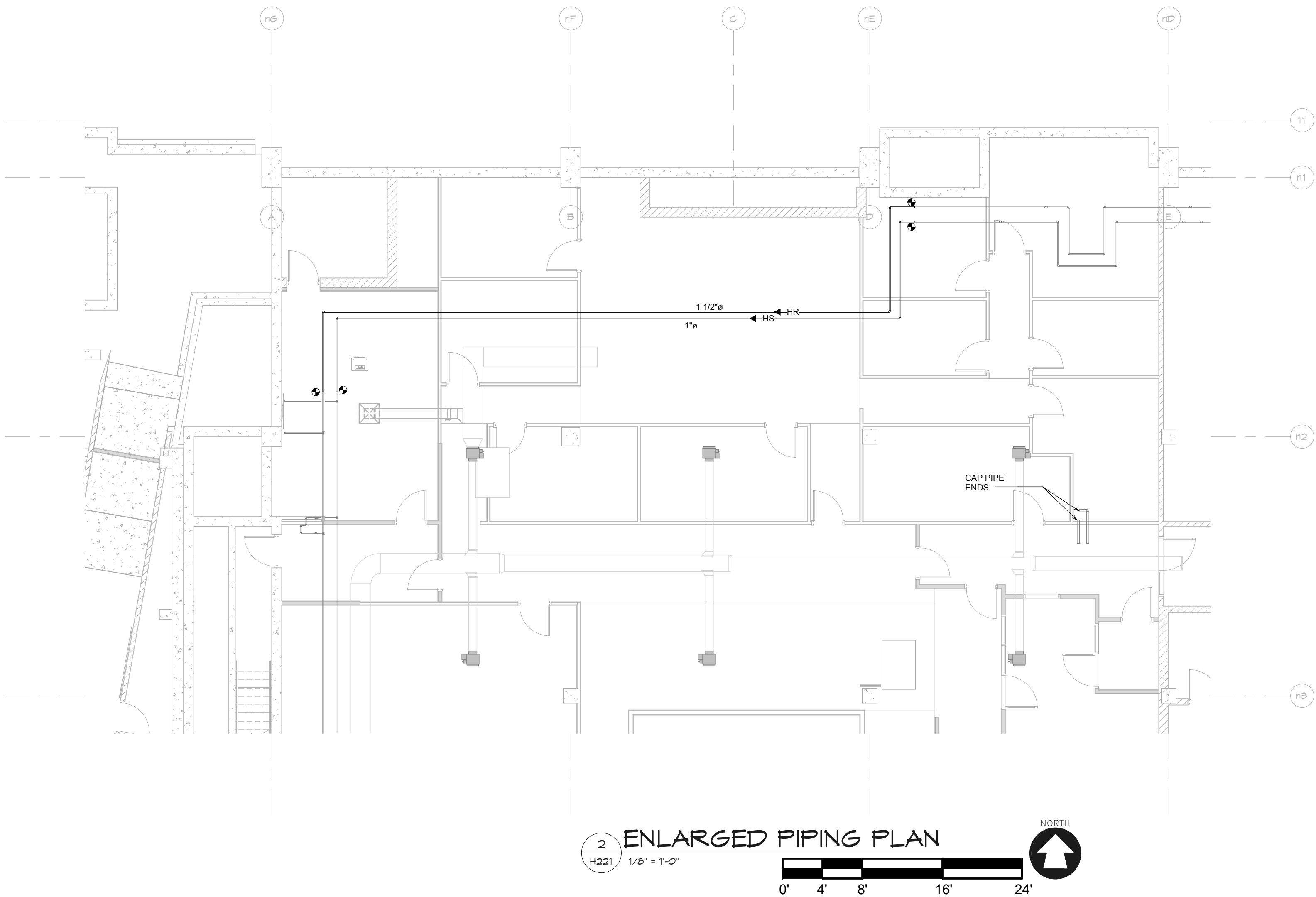
DESIGNED	RA	DRAWN	JJ
PROJECT NO.	00002-61600160		
DATE	MARCH 3, 2017		
SHEET NO.	H220		

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KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
10	EXTEND RELIEF PIPING FROM VALVE CONNECTIONS ON BOTH EVAPORATOR AND CONDENSER SECTIONS TO THE EXHAUST AREA WELL IN THE SOUTH END OF THE ROOM. PIPE SIZING, DIAGRAMS, AND TERMINATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION.
12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.



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DESIGNED
RA

DRAWN
JJ

PROJECT NO.
00002-61600160

DATE
MARCH 3, 2017

SHEET NO.
H221

ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER

S. WALNUT & W. 8TH, APPLETON WI 54911

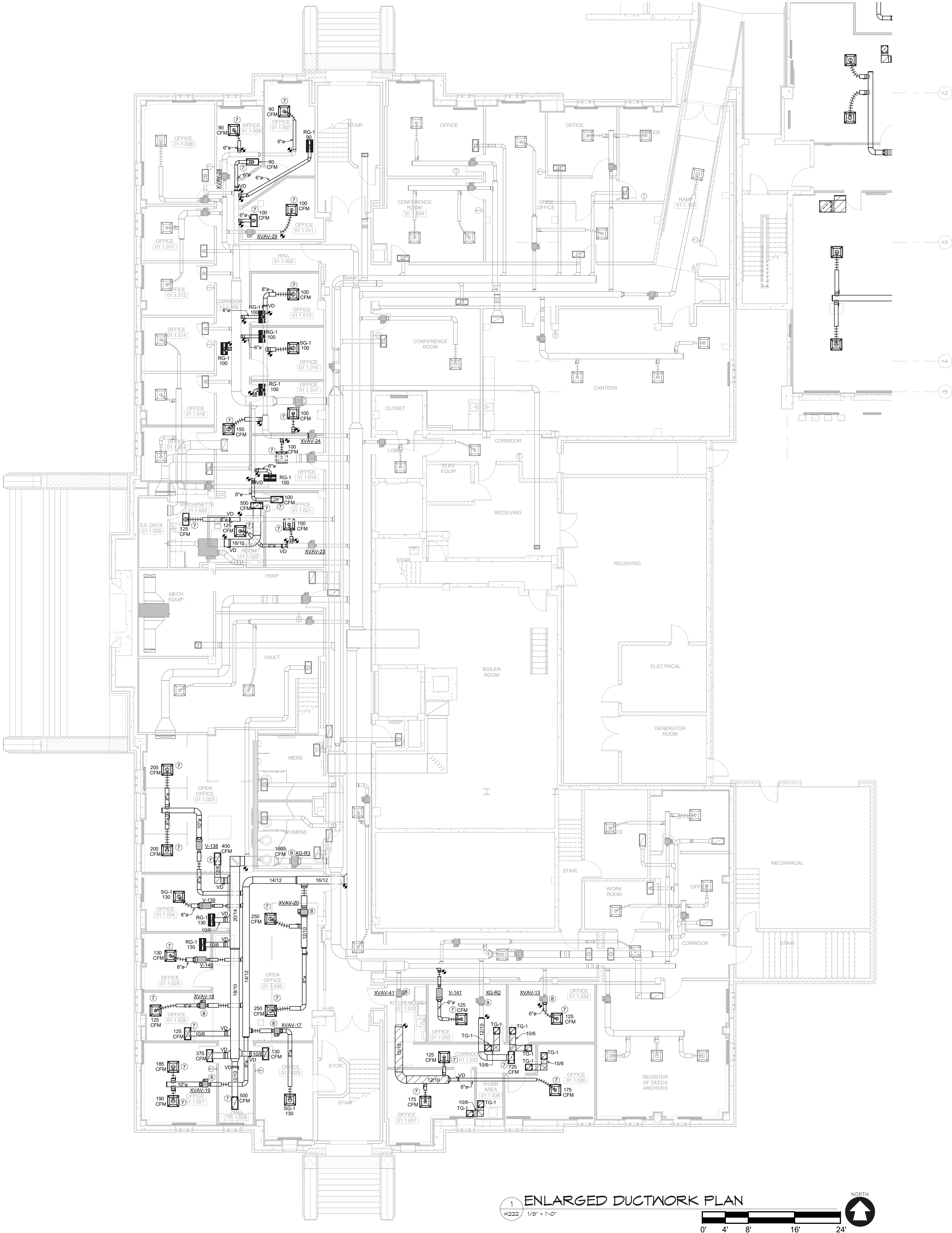
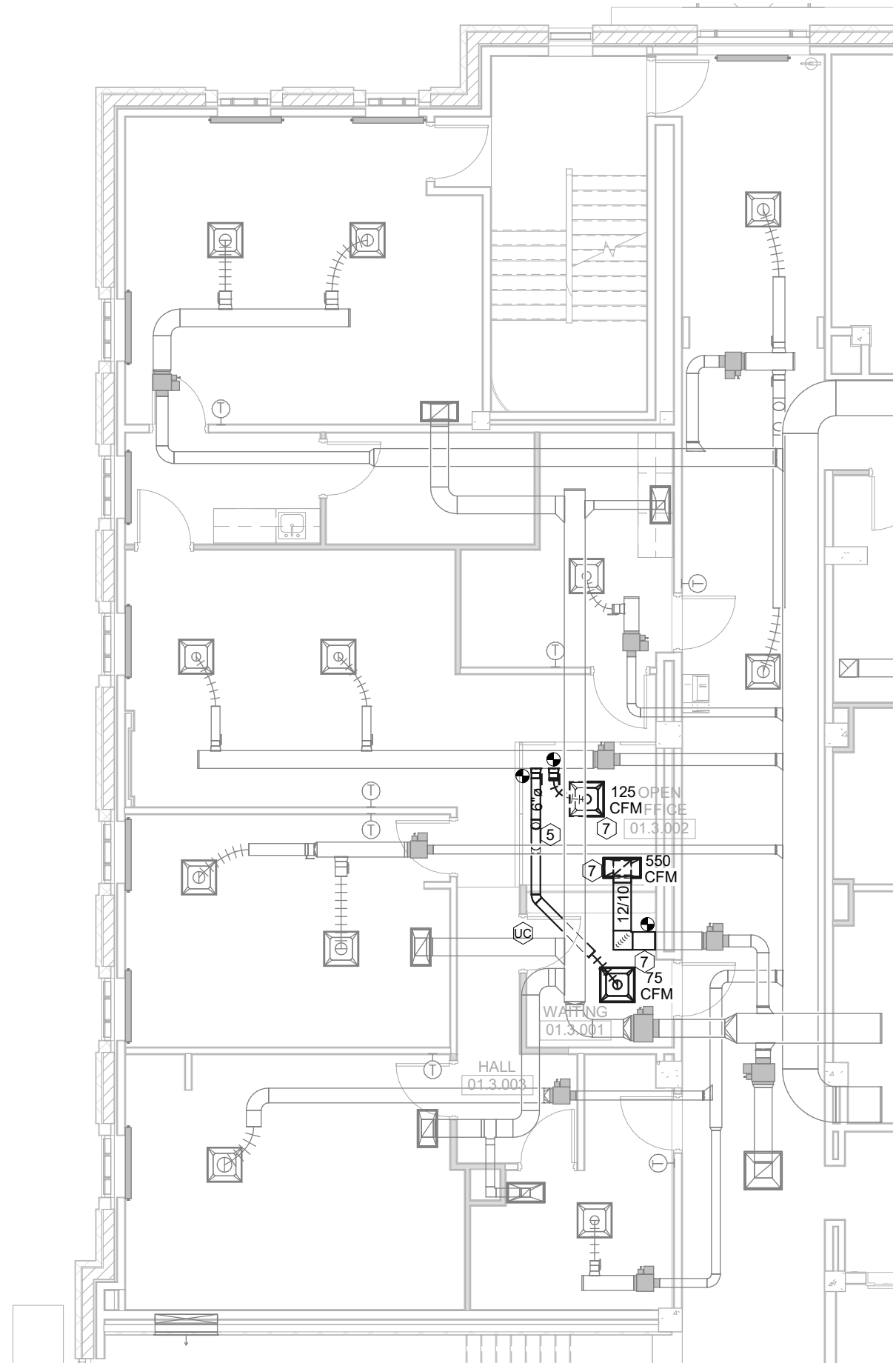
LEVEL 780.00 HVAC DUCTWORK AND PIPING PLAN - HHS NORTH

NO.

DATE

REVISION

2 ENLARGED DUCTWORK PLAN
H222 1/8" = 1'-0"



1 ENLARGED DUCTWORK PLAN
H222 1/8" = 1'-0"

KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
10	EXTEND RELIEF PIPING FROM VALVE CONNECTIONS ON BOTH EVAPORATOR AND CONDENSER SECTIONS TO THE EXHAUST AREA WELL IN THE SOUTH END OF THE ROOM. PIPE SIZING, DIAGRAMS, AND TERMINATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION. COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.
12	

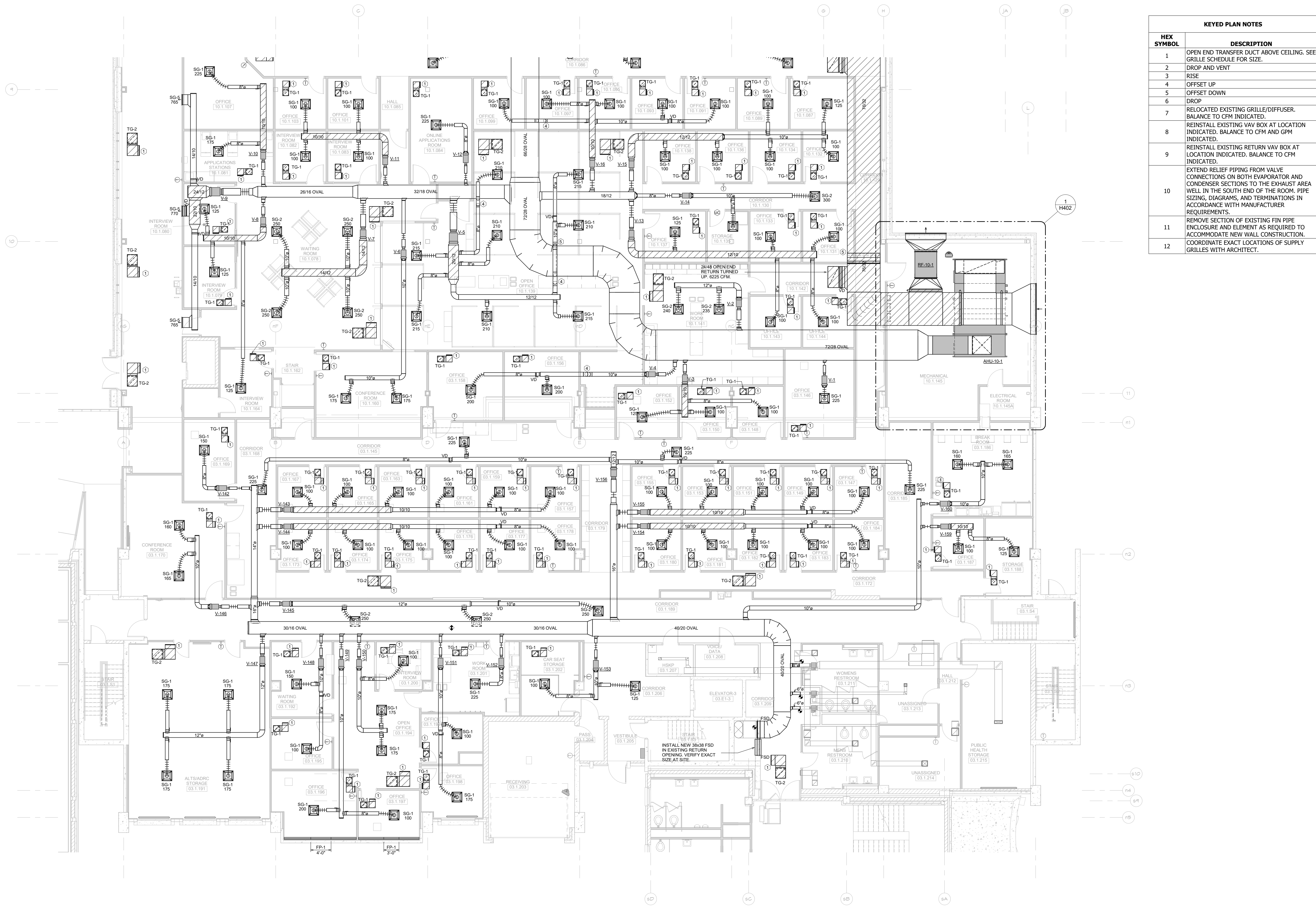
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC DUCTWORK PLAN - CAB

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H222

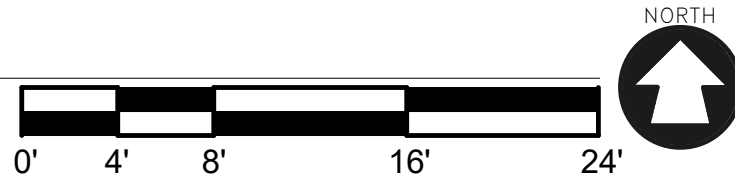
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KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
10	EXTEND RELIEF PIPING FROM VALVE CONNECTIONS ON BOTH EVAPORATOR AND CONDENSER SECTIONS TO THE EXHAUST AREA WELL IN THE SOUTH END OF THE ROOM. PIPE SIZING, DIAGRAMS, AND TERMINATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION. COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.
12	

1 ENLARGED DUCTWORK PLAN
H223 1/8" = 1'-0"



ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC DUCTWORK PLAN - HHS NORTH / OCAC SOUTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	
H223	

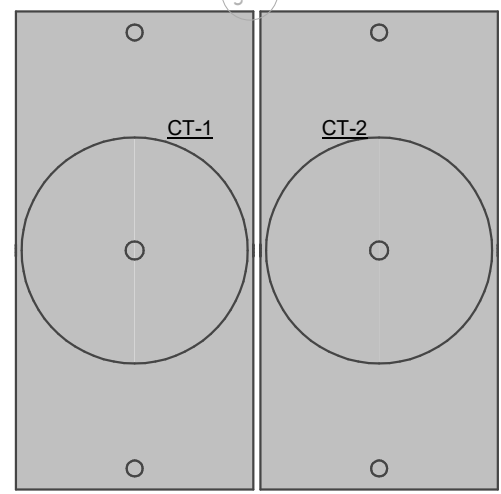
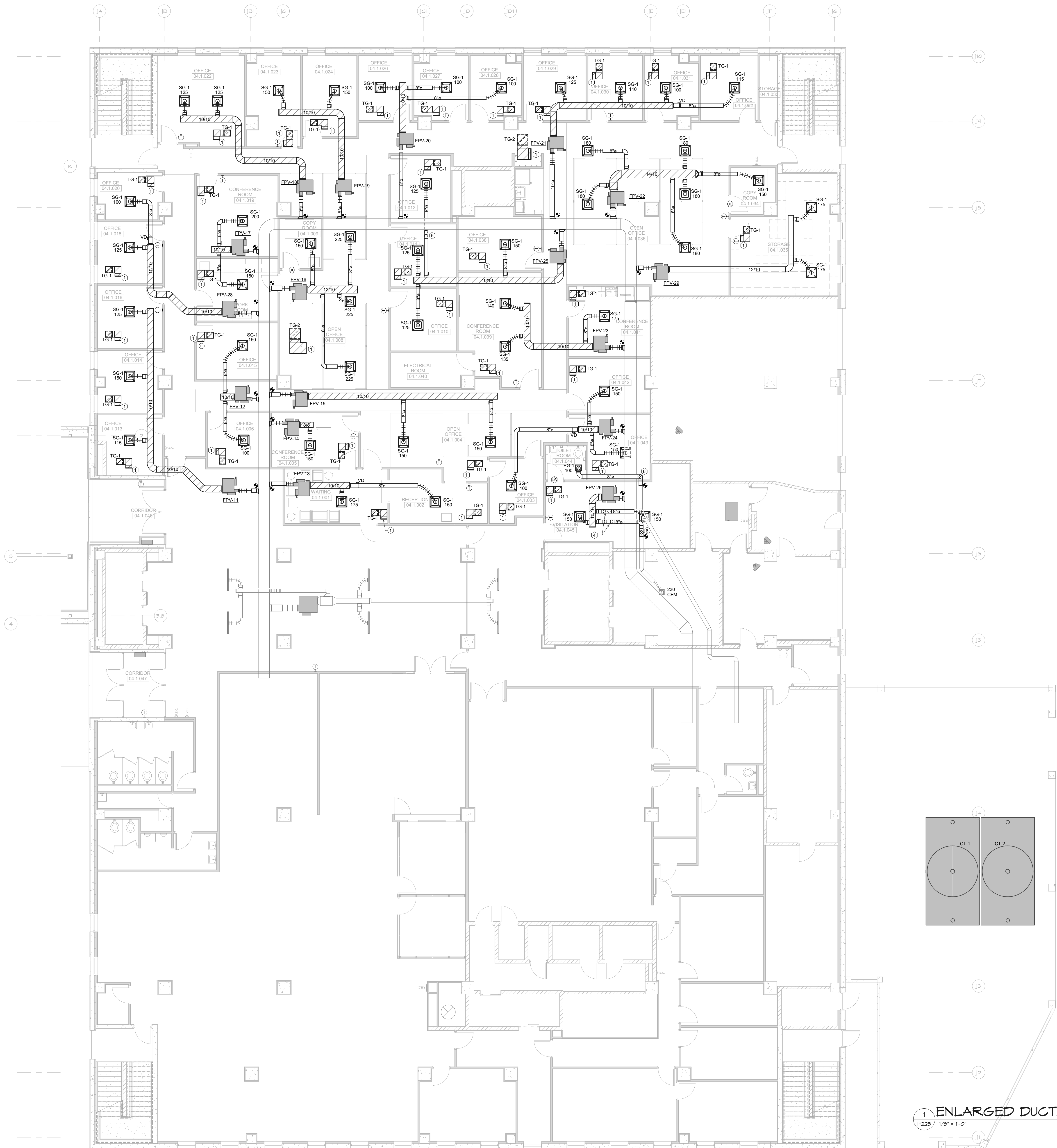
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ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC DUCTWORK PLAN - OCAC NORTH

H224



1 ENLARGED DUCTWORK PLAN

H225 1/8" = 1'-0"



KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
10	EXTEND RELIEF PIPING FROM VALVE CONNECTIONS ON BOTH EVAPORATOR AND CONDENSER SECTIONS TO THE EXHAUST AREA WELL IN THE SOUTH END OF THE ROOM. PIPE SIZING, DIAGRAMS, AND TERMINATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION.
12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

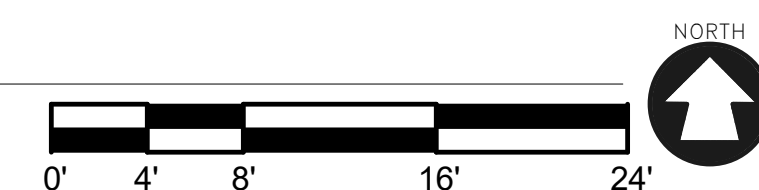
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC DUCTWORK PLAN - JUSTICE CENTER

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	00002-61600160
DATE	MARCH 3, 2017
SHEET NO.	

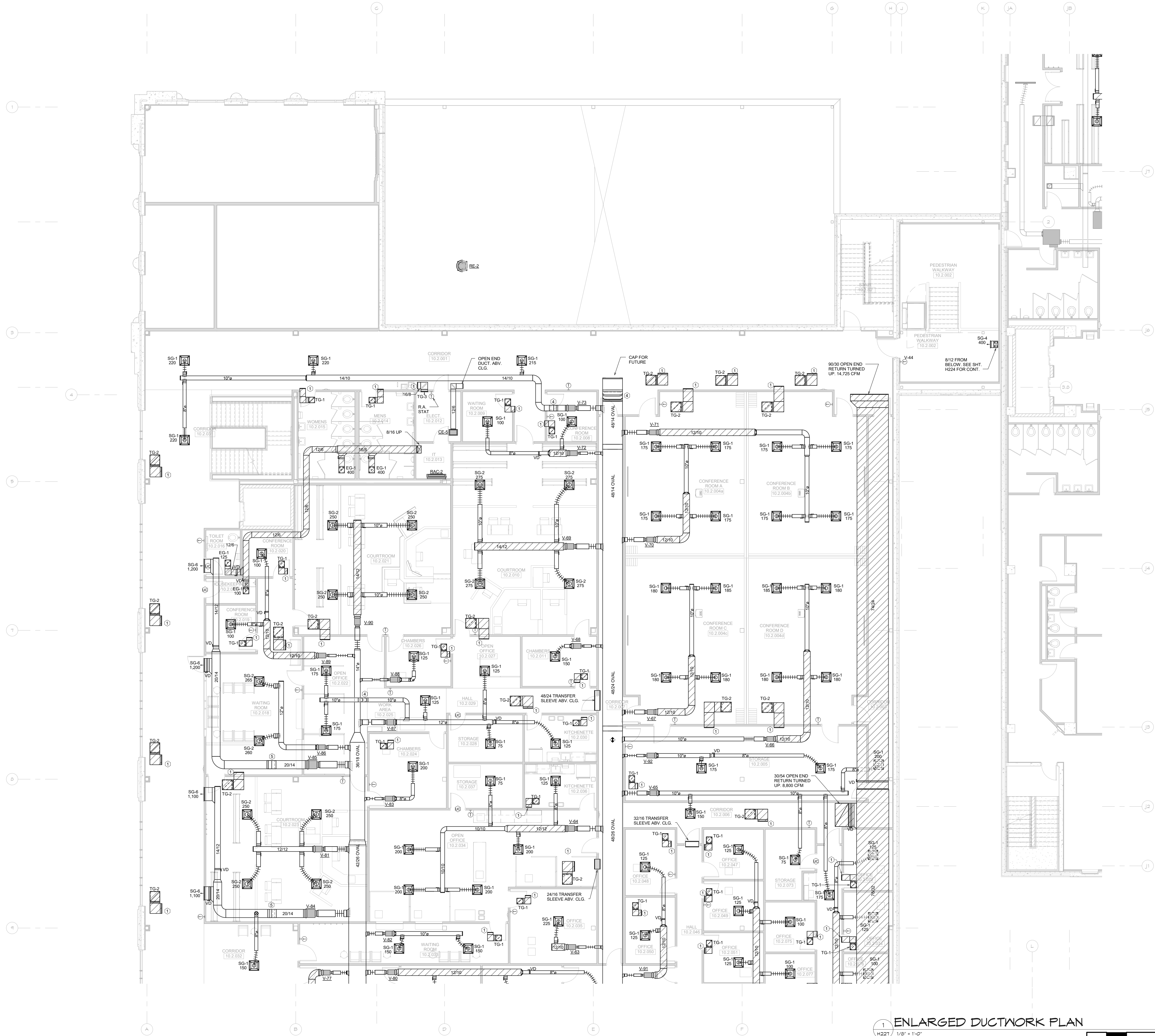
H225

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www.mcmahp.com



DESIGNED RA	DRAWN JJ
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	



KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
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11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION.
12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

1
H221

ENLARGED DUCTWORK PLAN
1/8" = 1'-0"

0' 4' 8' 16' 24'

NORTH

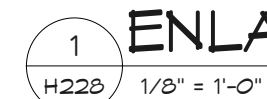
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 HVAC DUCTWORK PLAN - OCAC NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H227

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NO.	DATE	REVISION



A horizontal beam of total length 24 feet is divided into six equal segments of 4 feet each. The segments alternate between white and black, starting with a white segment from 0' to 4'. The segments are labeled at the bottom with their starting positions: 0', 4', 8', 16', and 24'.

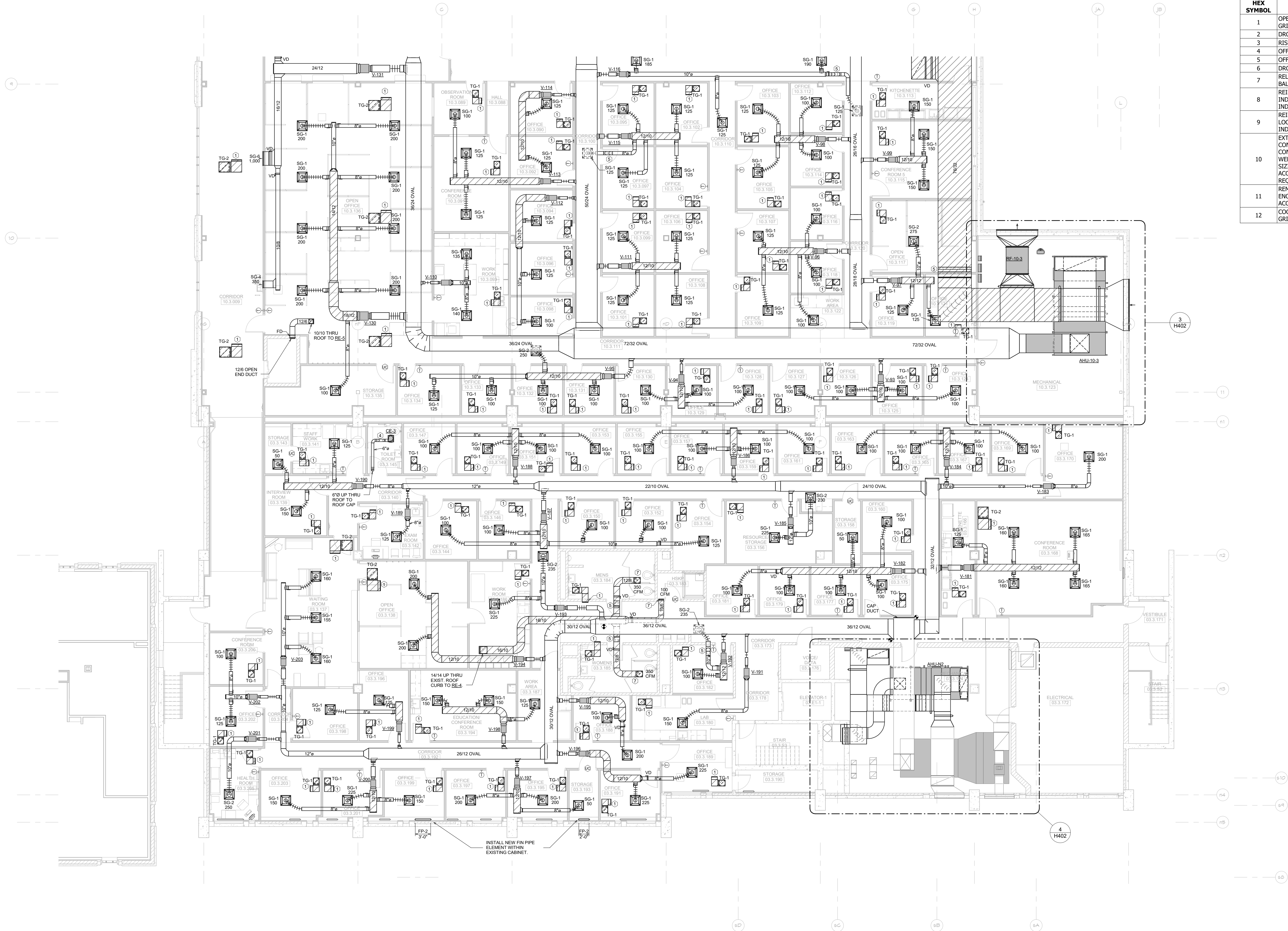
KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
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12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 HVAC DUCTWORK PLAN - JUSTICE CENTER

DESIGNED RA	DRAWN JJ
PROJECT NO. O0002-61600160	
DATE MARCH 3, 2017	
SHEET NO.	

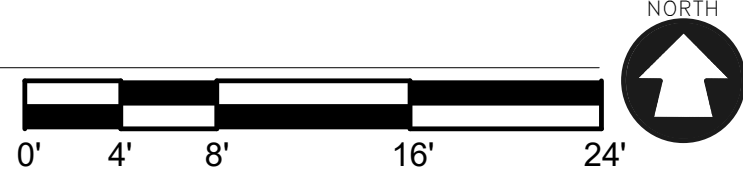
H228

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12	

1 ENLARGED DUCTWORK PLAN
H224 1/8" = 1'-0"



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REVISION

NO.

DATE

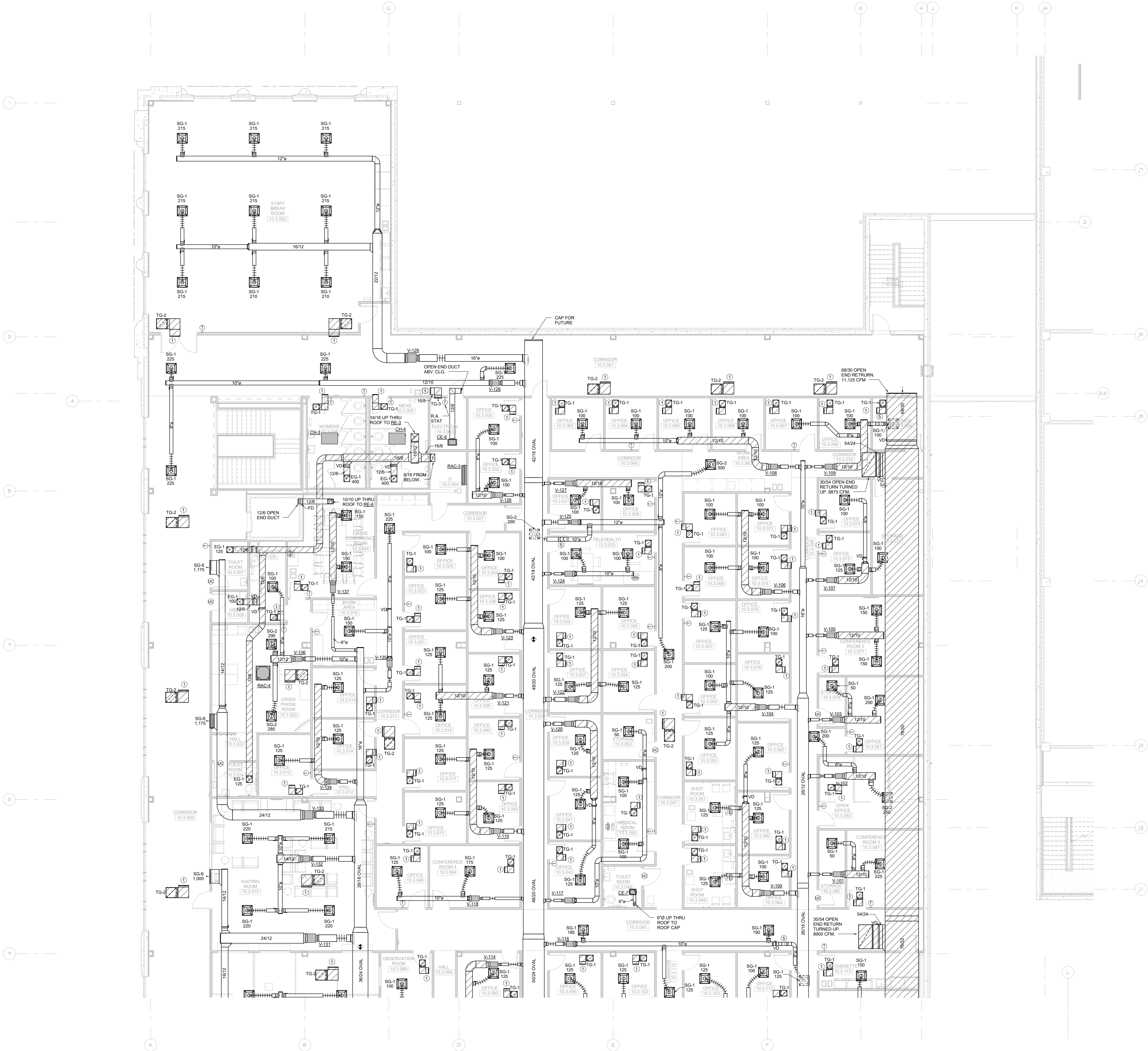
ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER

S. WALNUT & W. 8TH, APPLETON WI 54911

LEVEL 820.00 HVAC DUCTWORK PLAN - HHS NORTH / OCAC SOUTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	



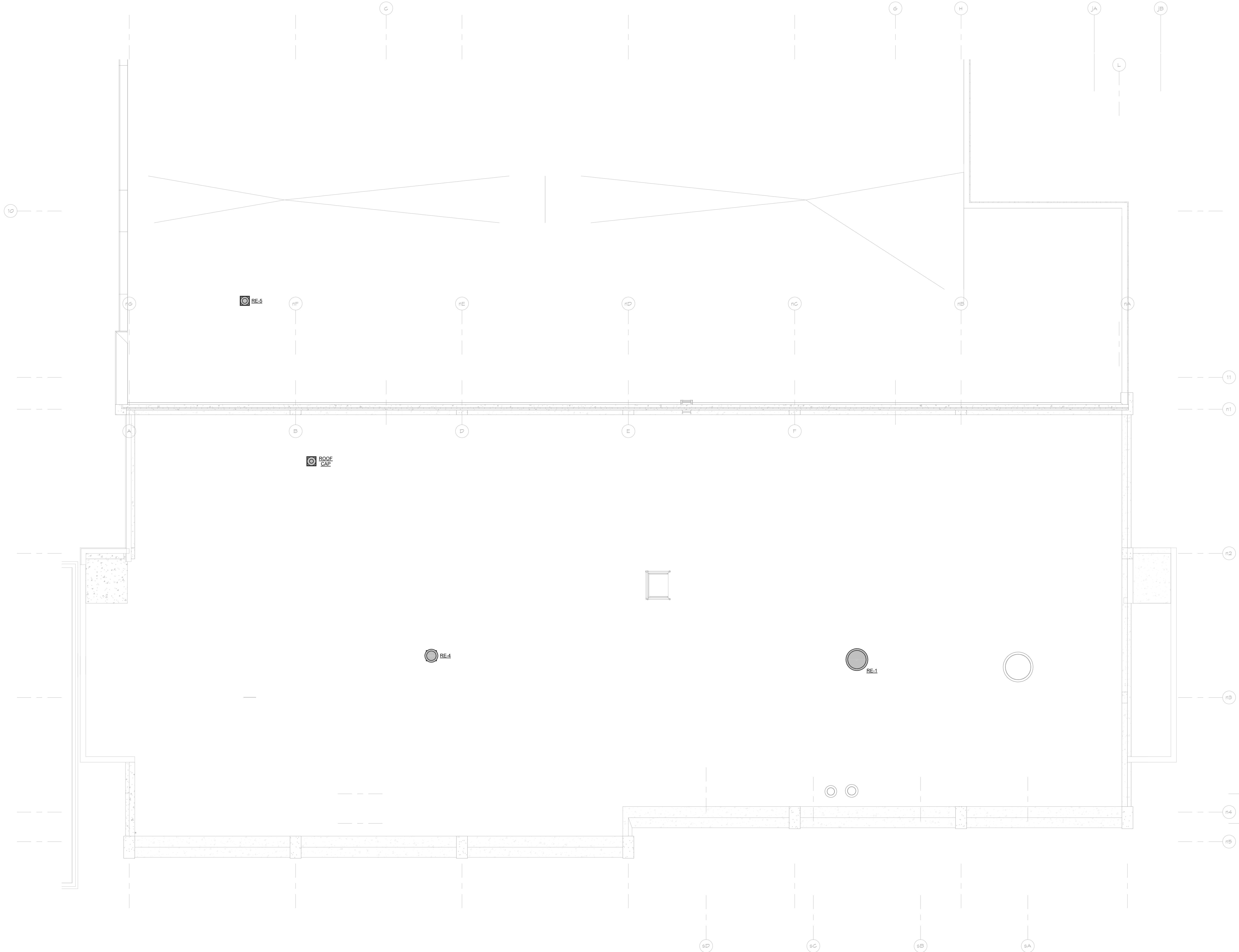
KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
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5	OFFSET DOWN
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12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 HVAC DUCTWORK PLAN - OCAC NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H230

McMAHON
ENGINEERS ARCHITECTS
1000 W. WALNUT ST., SUITE 100
APPLETON, WI 54911
TEL: (920) 751-4200 FAX: (920) 751-4284
WWW.MCMGRP.COM



KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
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12	

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REVISION		DATE	
NO.			
1			
2			
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ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 835.00 HVAC DUCTWORK PLAN - HHS NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H231

1
H232 1/8" = 1'-0" ENLARGED DUCTWORK PLAN

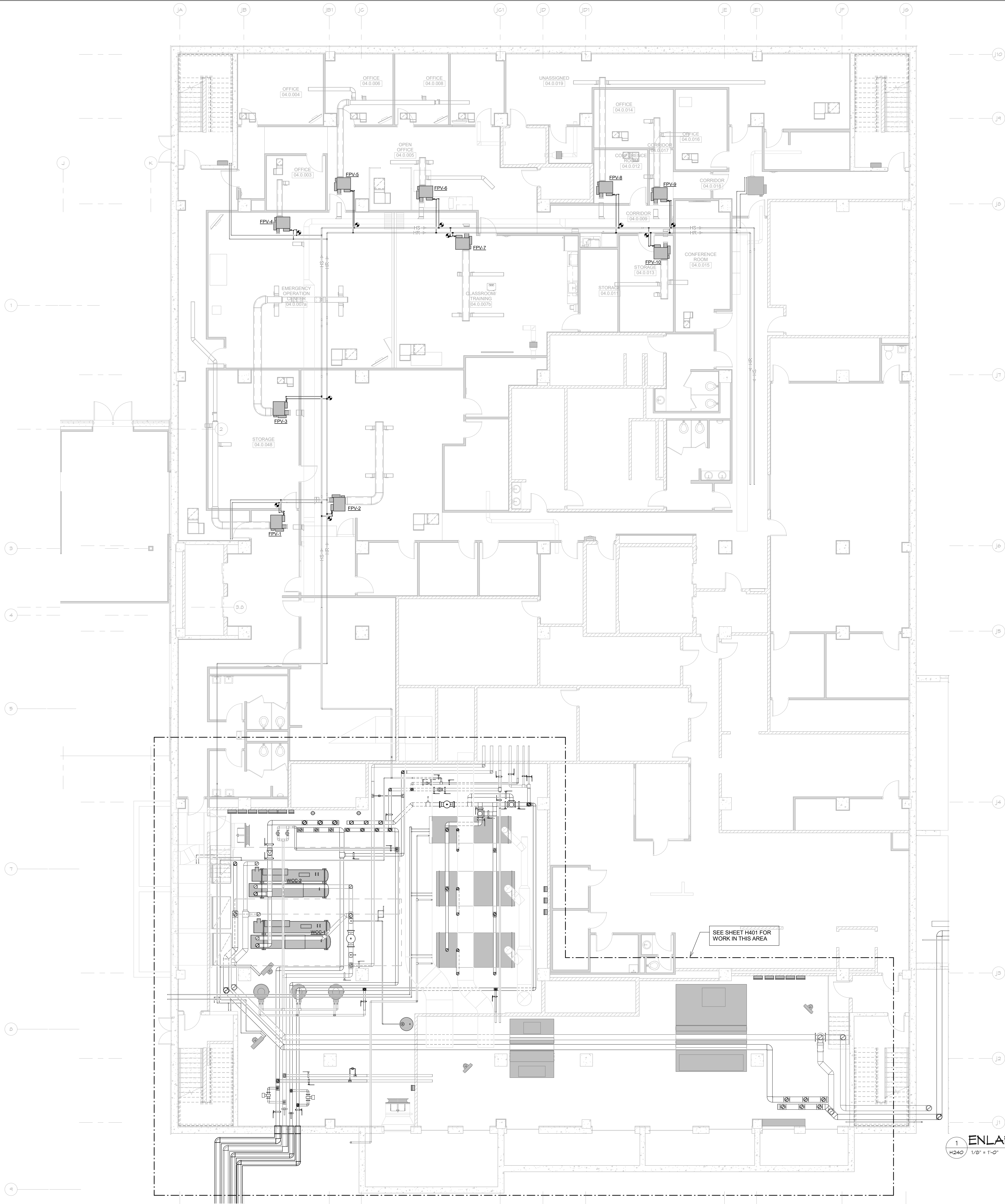
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 835.00 HVAC DUCTWORK PLAN - OCAC NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
O0002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

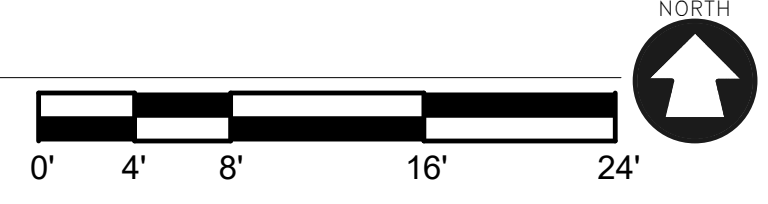
H232

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Mailing: P.O. BOX 1025 NEEAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com



1 H240 1/8" = 1'-0" ENLARGED PIPING PLAN



ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 HVAC PIPING PLAN - JUSTICE CENTER

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H240

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www.mcmahp.com



KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
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11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION.
12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 780.00 HVAC PIPING PLAN - HHS SOUTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H241

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NO.	DATE

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ENGINEERS ARCHITECTS
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MILWAUKEE, WI 53233
Tel: (414) 761-4200 Fax: (414) 761-4284
www.mcmahonengr.com



KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
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4	OFFSET UP
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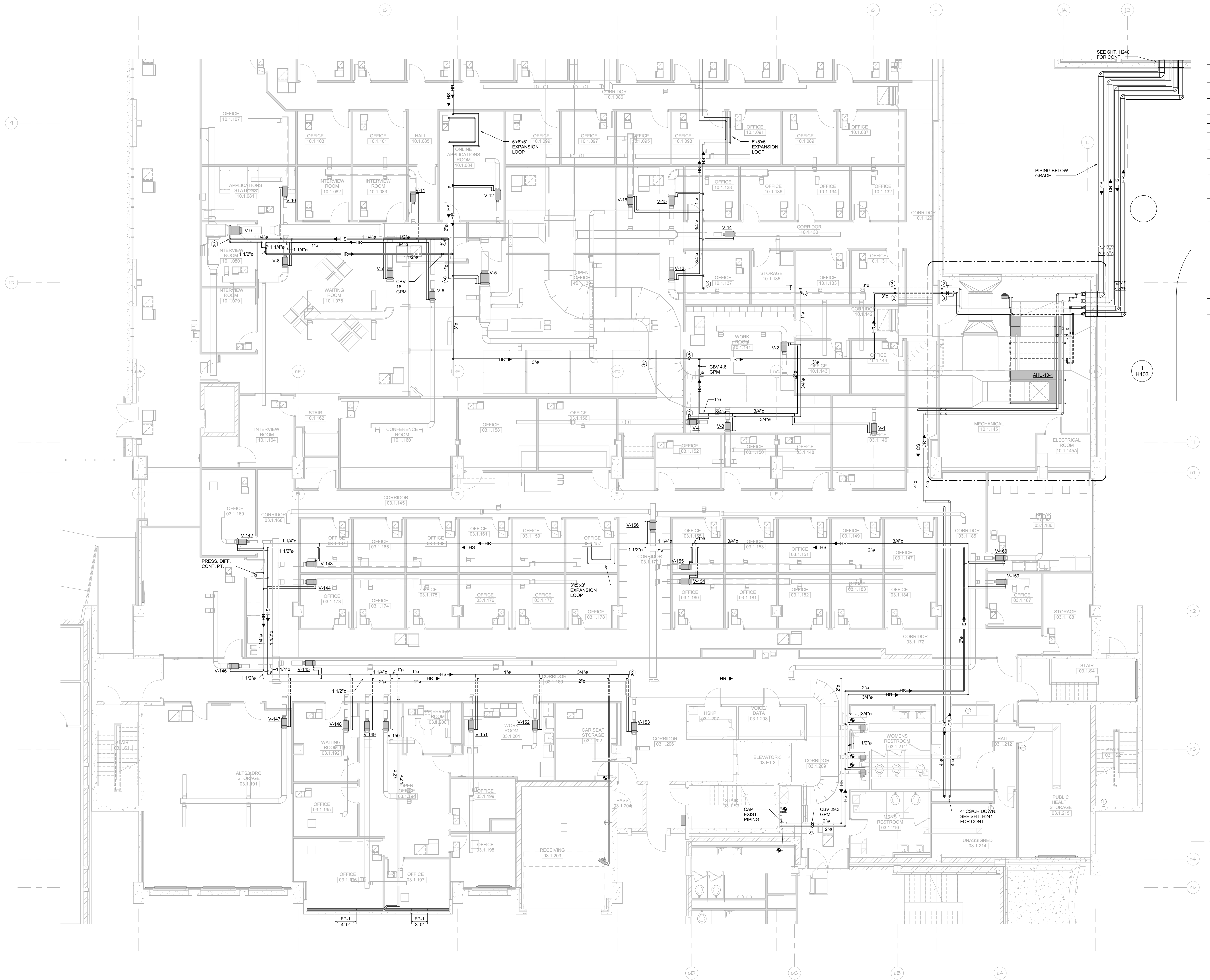
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC PIPING PLAN - CAB

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	00002-61600160
DATE	MARCH 3, 2017
SHEET NO.	

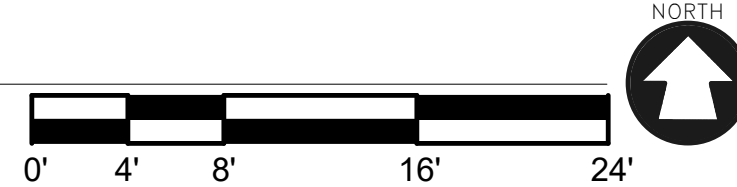
H242

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MILWAUKEE, WI 53233
Tel: (414) 761-4200 Fax: (414) 761-4284
www.mcmahp.com



1 ENLARGED PIPING PLAN
H243 1/8" = 1'-0"



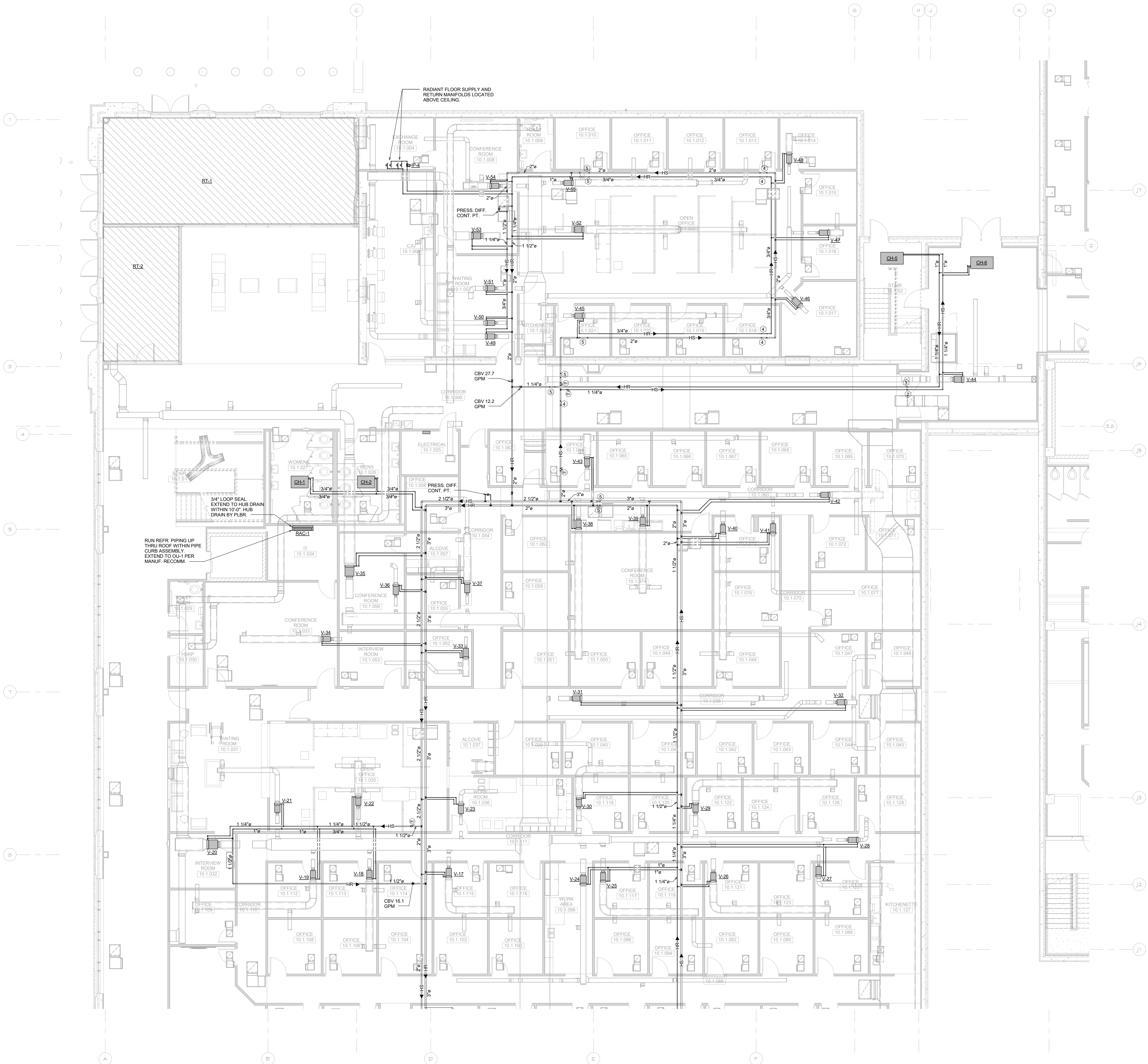
KEYED PLAN NOTES	
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NO.	DATE	REVISION

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC PIPING PLAN - HHS NORTH / OCAC SOUTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	00002-61600160
DATE	MARCH 3, 2017
SHEET NO.	H243



KEYED PLAN NOTES	
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1 ENLARGED PIPING PLAN
H244 1/8" = 1'-0"



ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC PIPING PLAN - OCAC NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H244

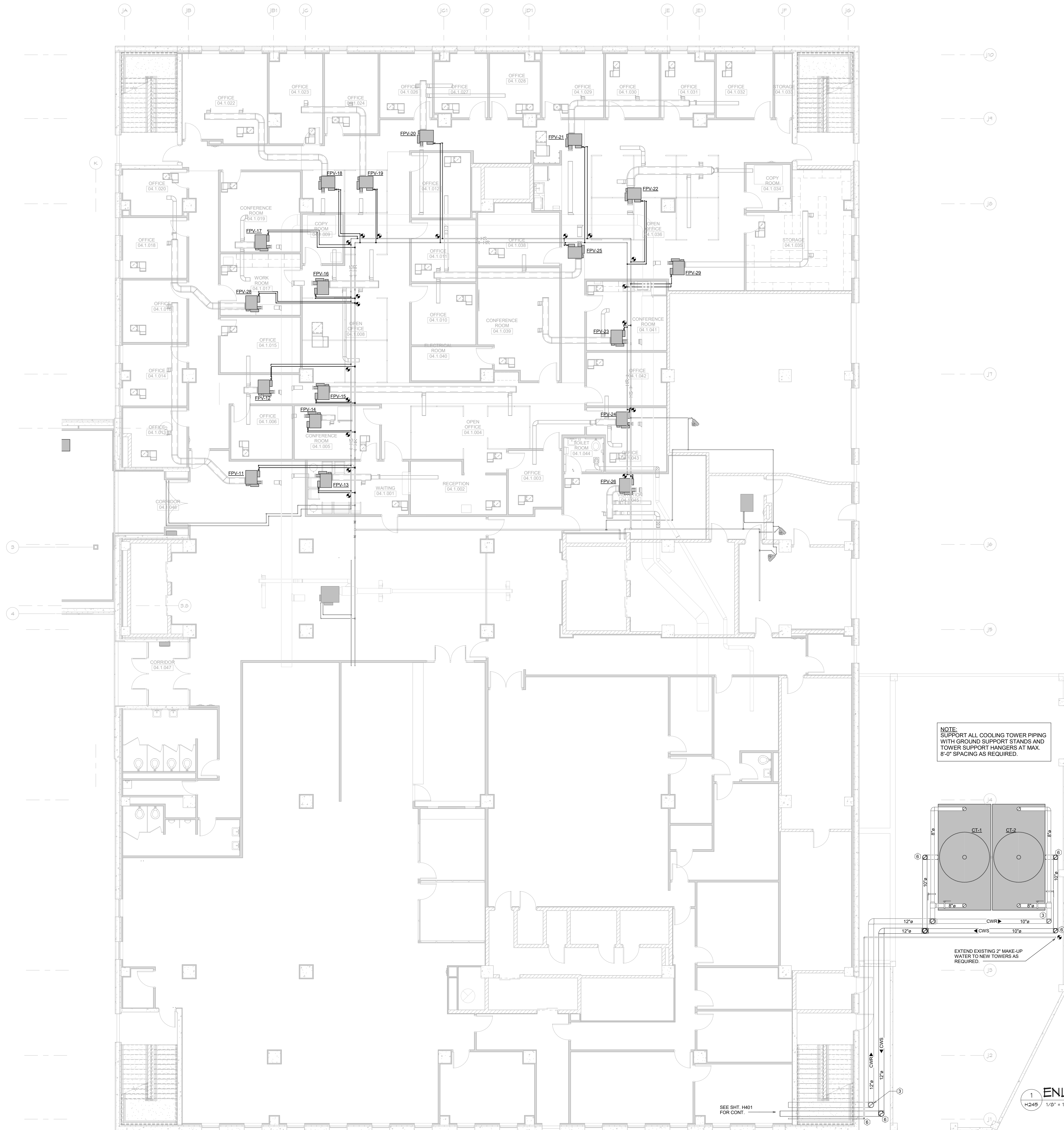
McMAHON
ENGINEERS ARCHITECTS
1000 N. KENNA RD., SUITE 200
MILWAUKEE, WI 53233
Tel: (414) 761-4200 Fax: (414) 761-4204
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REVISION

NO.

DATE

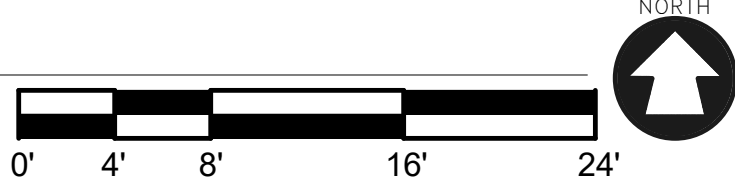


NOTE:
SUPPORT ALL COOLING TOWER PIPING
WITH GROUND SUPPORT STANDS AND
TOWER SUPPORT HANGERS AT MAX.
8'-0" SPACING AS REQUIRED.

EXTEND EXISTING 2" MAKE-UP
WATER TO NEW TOWERS AS
REQUIRED.

1 ENLARGED PIPING PLAN
H245 1/2" = 1'-0"

KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
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ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 790.00 HVAC PIPING PLAN - JUSTICE CENTER

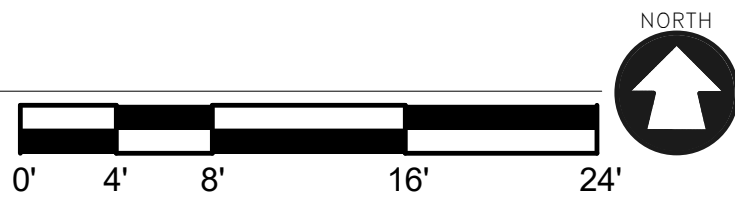
DESIGNED	DRAWN
RA	JJ
PROJECT NO.	00002-61600160
DATE	MARCH 3, 2017
SHEET NO.	

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KEYED PLAN NOTES	
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6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
10	EXTEND RELIEF PIPING FROM VALVE CONNECTIONS ON BOTH EVAPORATOR AND CONDENSER SECTIONS TO THE EXHAUST AREA WELL IN THE SOUTH END OF THE ROOM. PIPE SIZING, DIAGRAMS, AND TERMINATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION.
12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

1 ENLARGED PIPING PLAN
1/8" = 1'-0"



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REVISION

DATE

NO.

ALTERATION / ADDITION

OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911

LEVEL 805.00 HVAC PIPING PLAN - HHS NORTH / OCAC SOUTH

DESIGNED	RA
DRAWN	JJ
PROJECT NO.	00002-61600160
DATE	MARCH 3, 2017
SHEET NO.	

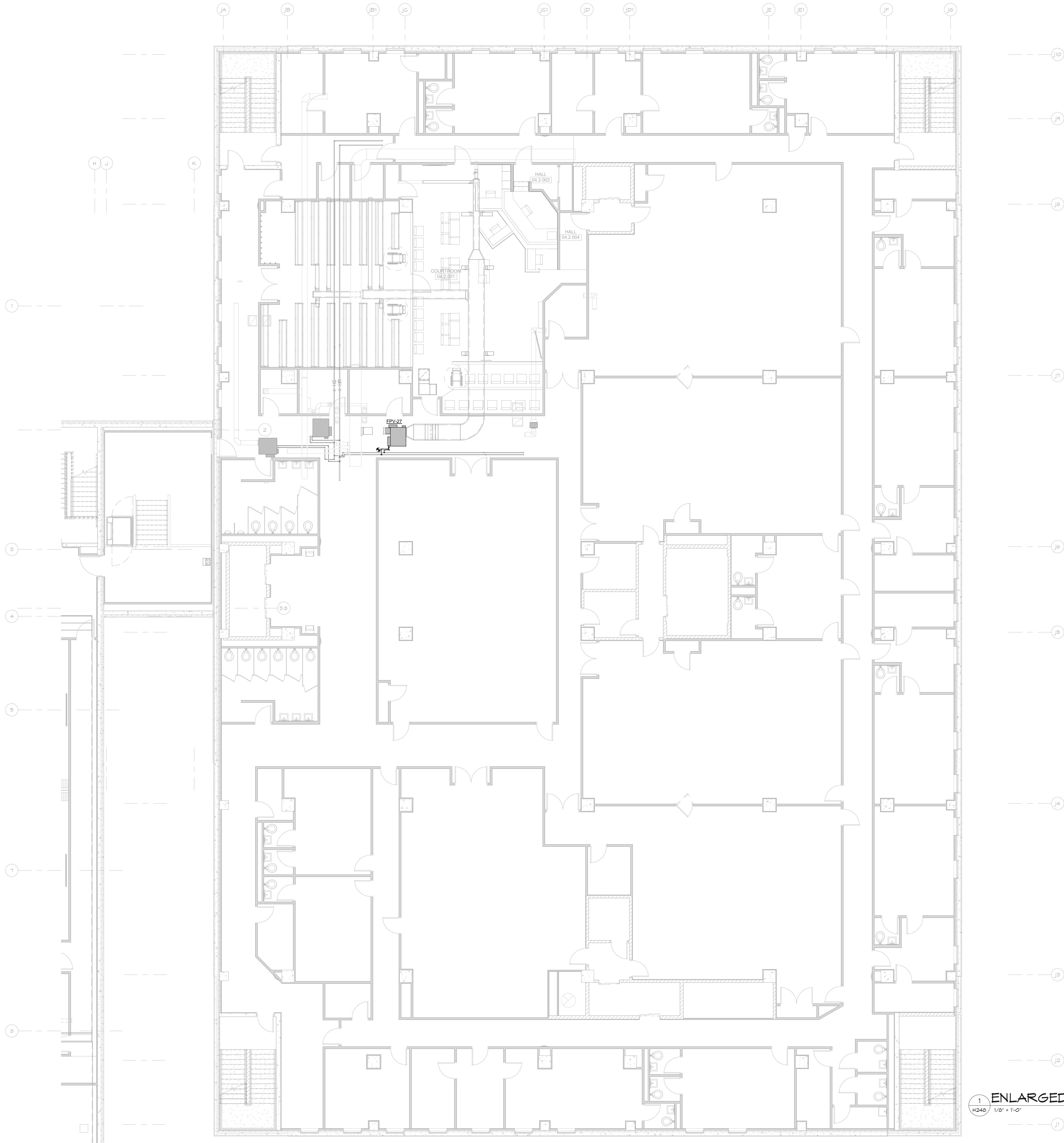


KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE KEYED SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAN BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAN BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
10	EXTEND RELIEF PIPING FROM VALVE CONNECTIONS ON BOTH EVAPORATOR AND CONDENSER SECTIONS TO THE EXHAUST AREA WELL IN THE SOUTH END OF THE ROOM. PIPE SIZING, DIAGRAMS, AND TERMINATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION.
12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

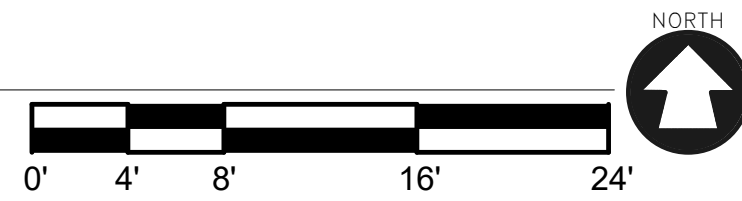
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 HVAC PIPING PLAN - OCAC NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
O0002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H247



1 ENLARGED PIPING PLAN
H245 1/8" = 1'-0"



KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
10	EXTEND RELIEF PIPING FROM VALVE CONNECTIONS ON BOTH EVAPORATOR AND CONDENSER SECTIONS TO THE EXHAUST AREA WELL IN THE SOUTH END OF THE ROOM. PIPE SIZING, DIAGRAMS, AND TERMINATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION.
12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

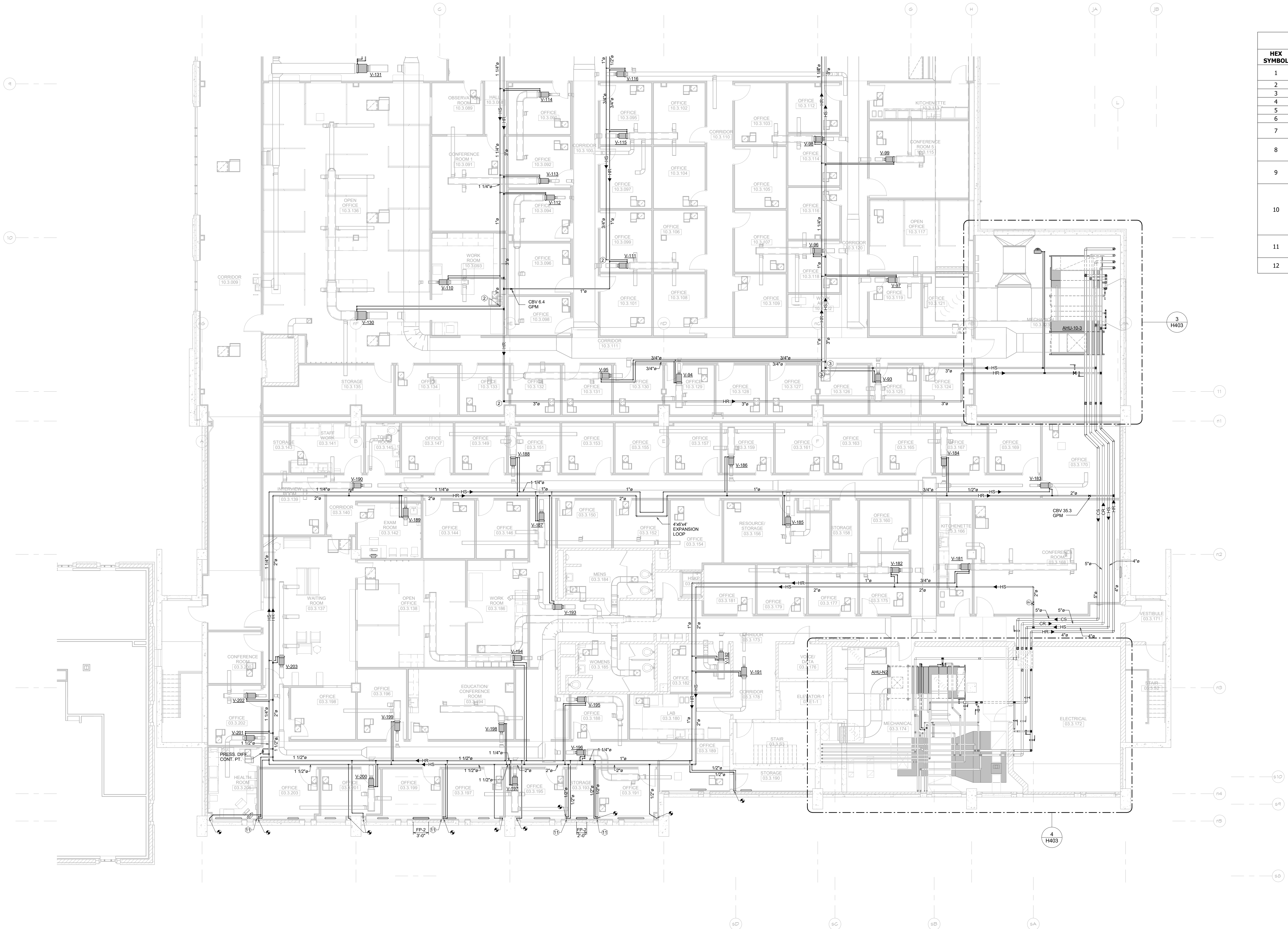
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 805.00 HVAC PIPING PLAN - JUSTICE CENTER

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H248

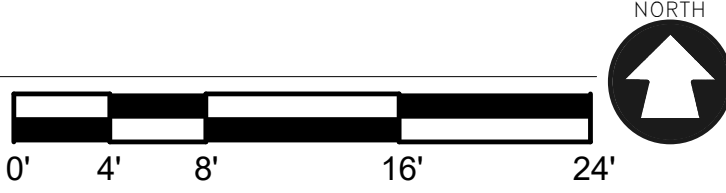
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1000 N. WALNUT ST., SUITE 200
APPLETON, WI 54911
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmahoneng.com



KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
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11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION. COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.
12	

1 ENLARGED PIPING PLAN
H244 1/8" = 1'-0"



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REVISION

DATE

NO.

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 HVAC PIPING PLAN - HHS NORTH / OCAC SOUTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	00002-61600160
DATE	MARCH 3, 2017
SHEET NO.	



KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
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11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION.
12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

1
H250

ENLARGED PIPING PLAN

1/8" = 1'-0"

0' 4' 8' 16' 24'

NORTH

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 HVAC PIPING PLAN - OCAC NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

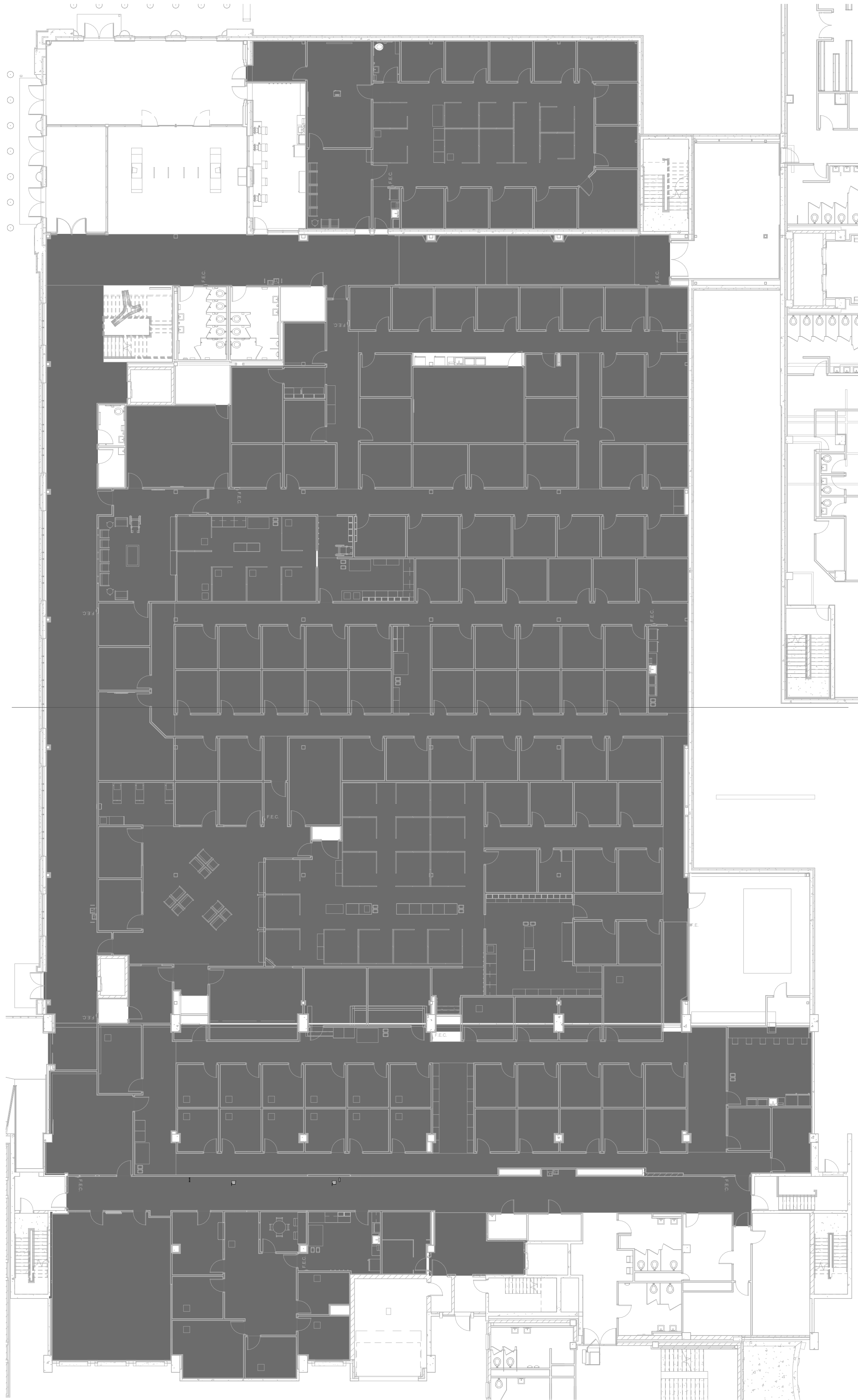
H250

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www.mcmahoneng.com

REVISION

NO. DATE



SHADED AREA INDICATES THE AREA WHERE THE SPACE BETWEEN THE CEILING AND THE STRUCTURE ABOVE IS USED AS A RETURN AIR PLENUM. THIS SHEET IS FOR REFERENCE ONLY. VERIFY CONDITIONS ON SITE PRIOR TO INSTALLATION

1
H260

OCAC/HHS NORTH PLENUM PLANS - LEVEL 1

1/16" = 1'-0"

0' 8' 16' 32' 48'

NORTH

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	
H260	

ALTERATION / ADDITION

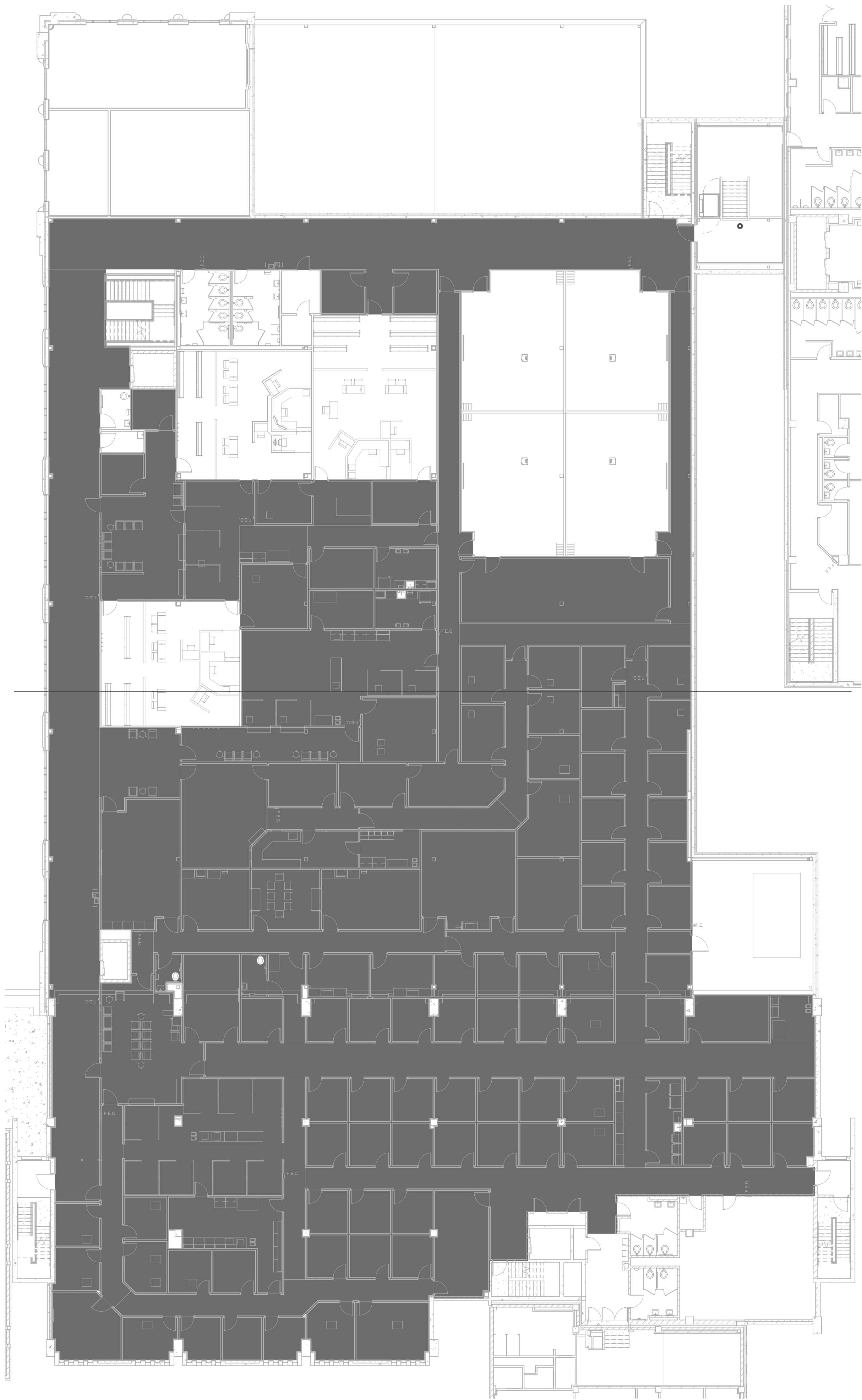
OUTAGAMIE COUNTY ADMINISTRATION CENTER

S. WALNUT & W. 8TH, APPLETON WI 54911

LEVEL 790.00 HVAC PLENUM PLAN - OCAC/HHS NORTH

McMahon provides the drawing as instruments of service. All drawings are prepared to the best of our knowledge and belief in accordance with the professional seal and stamp of the architect. The client is responsible for the accuracy of the information provided to the architect. The architect is not responsible for the accuracy of the information provided to the client. The architect is not responsible for the accuracy of the information provided to the client. The architect is not responsible for the accuracy of the information provided to the client.

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APPLETON, WI 54911
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmahp.com



SHADED AREA INDICATES THE AREA WHERE THE SPACE BETWEEN THE CEILING AND THE STRUCTURE ABOVE IS USED AS A RETURN AIR PLENUM. THIS SHEET IS FOR REFERENCE ONLY. VERIFY CONDITIONS ON SITE PRIOR TO INSTALLATION

1
H261

OCAC/HHS NORTH PLENUM PLANS - LEVEL 2

1/16" = 1'-0"

0' 8' 16' 32' 48'

NORTH

DESIGNED RA		DRAWN JJ	
PROJECT NO. 00002-61600160			
DATE MARCH 3, 2017			
SHEET NO. H261			
ALTERATION / ADDITION OUTAGAMIE COUNTY ADMINISTRATION CENTER S. WALNUT & W. 8TH, APPLETON WI 54911 LEVEL 805.00 HVAC PLENUM PLAN - OCAC/HHS NORTH			
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1 OCAC/HHS NORTH PLENUM PLANS - LEVEL 3
H262 1/16" = 1'-0" NORTH



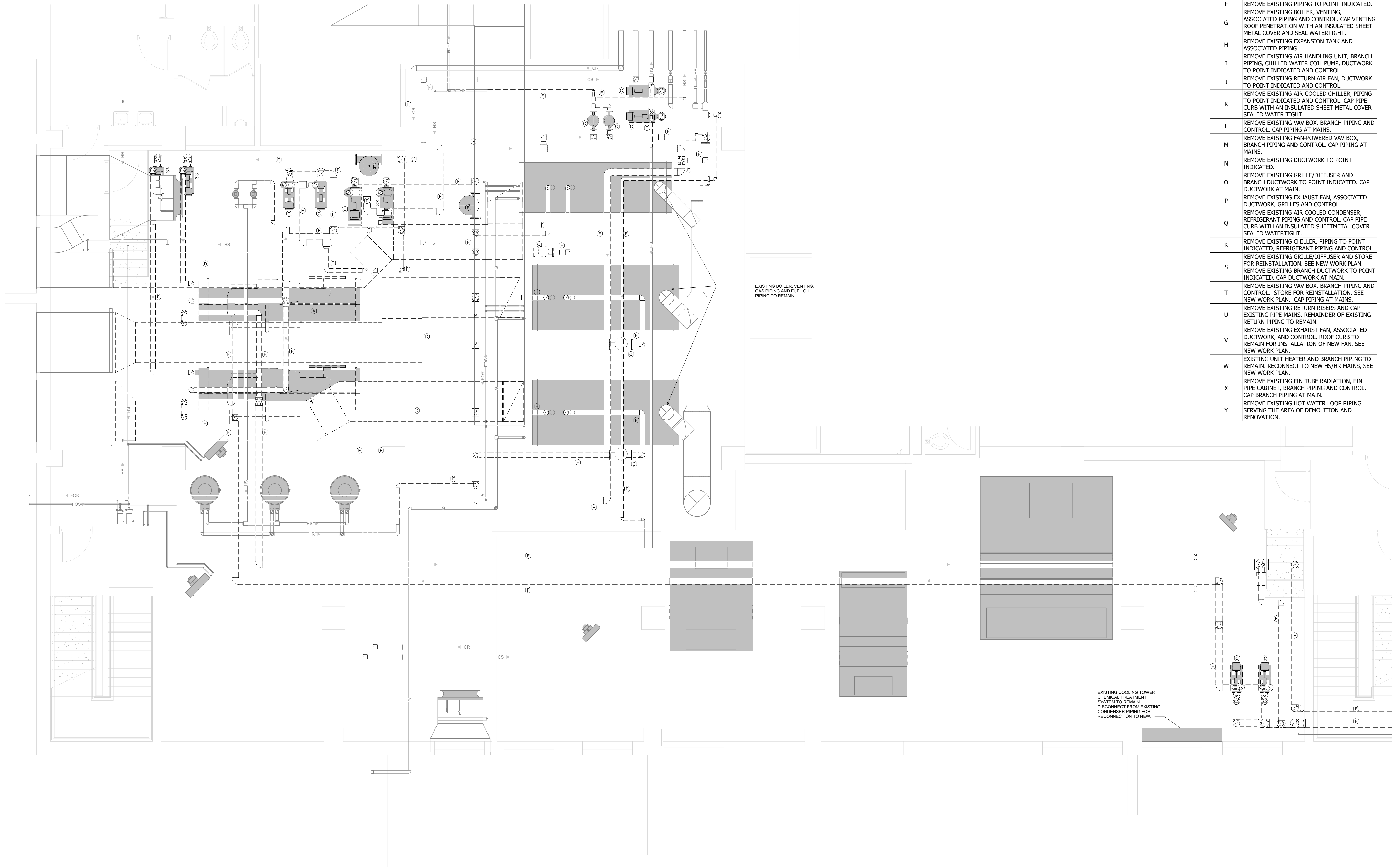
SHADED AREA INDICATES THE AREA WHERE THE SPACE BETWEEN THE CEILING AND THE STRUCTURE ABOVE IS USED AS A RETURN AIR PLENUM. THIS SHEET IS FOR REFERENCE ONLY. VERIFY CONDITIONS ON SITE PRIOR TO INSTALLATION

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	
H262	

ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
LEVEL 820.00 HVAC PLENUM PLAN - OCAC/HHS NORTH

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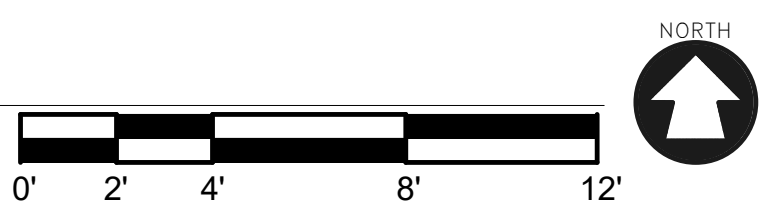
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1000 W. WALNUT STREET, SUITE 100
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Tel: (920) 751-4200 Fax: (920) 751-4284
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DEMOLITION SYMBOL	DESCRIPTION
—————	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO REMAIN.
-----	EXISTING PIPING, EQUIPMENT OR DUCTWORK TO BE REMOVED.

DEMOLITION KEYED NOTES	
HEX SYMBOL	DESCRIPTION
A	REMOVE EXISTING CHILLER, CHILLED WATER PIPING TO POINT INDICATED, CONDENSER WATER PIPING, REFRIGERANT RELIEF PIPING AND CONTROL.
B	REMOVE EXISTING COOLING TOWER, ASSOCIATED CONDENSER WATER PIPING AND CONTROL.
C	REMOVE EXISTING PUMP, PIPING TO POINT INDICATED AND CONTROL.
D	REMOVE EXISTING COMBUSTION AIR DUCTWORK TO POINT INDICATED.
E	REMOVE EXISTING AIR SEPARATOR AND ASSOCIATED PIPING AS INDICATED.
F	REMOVE EXISTING PIPING TO POINT INDICATED.
G	REMOVE EXISTING BOILER, VENTING, ASSOCIATED PIPING AND CONTROL. CAP VENTING ROOF PENETRATION WITH AN INSULATED SHEET METAL COVER AND SEAL WATER TIGHT.
H	REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING.
I	REMOVE EXISTING AIR HANDLING UNIT, BRANCH PIPING, CHILLED WATER COIL, PUMP, DUCTWORK TO POINT INDICATED AND CONTROL.
J	REMOVE EXISTING RETURN AIR FAN, DUCTWORK TO POINT INDICATED AND CONTROL.
K	REMOVE EXISTING AIR-COOLED CHILLER, PIPING TO POINT INDICATED AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEET METAL COVER SEALED WATER TIGHT.
L	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
M	REMOVE EXISTING FAN-POWERED VAV BOX, BRANCH PIPING AND CONTROL. CAP PIPING AT MAINS.
N	REMOVE EXISTING DUCTWORK TO POINT INDICATED.
O	REMOVE EXISTING GRILLE/DIFFUSER AND BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
P	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, GRILLES AND CONTROL.
Q	REMOVE EXISTING AIR COOLED CONDENSER, REFRIGERANT PIPING AND CONTROL. CAP PIPE CURB WITH AN INSULATED SHEETMETAL COVER SEALED WATER TIGHT.
R	REMOVE EXISTING CHILLER, PIPING TO POINT INDICATED, REFRIGERANT PIPING AND CONTROL. REMOVE EXISTING GRILLE/DIFFUSER AND STORE FOR REINSTALLATION. SEE NEW WORK PLAN.
S	REMOVE EXISTING BRANCH DUCTWORK TO POINT INDICATED. CAP DUCTWORK AT MAIN.
T	REMOVE EXISTING VAV BOX, BRANCH PIPING AND CONTROL. STORE FOR REINSTALLATION. SEE NEW WORK PLAN. CAP PIPING AT MAINS.
U	REMOVE EXISTING RETURN RISERS AND CAP EXISTING PIPE MAINS. REMAINDER OF EXISTING RETURN PIPING TO REMAIN.
V	REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, AND CONTROL. ROOF CURB TO REMAIN FOR INSTALLATION OF NEW FAN, SEE NEW WORK PLAN.
W	EXISTING UNIT HEATER AND BRANCH PIPING TO REMAIN. RECONNECT TO NEW HS/HR MAINS, SEE NEW WORK PLAN.
X	REMOVE EXISTING FIN TUBE RADIATION, FIN PIPE CABINET, BRANCH PIPING AND CONTROL. CAP BRANCH PIPING AT MAIN.
Y	REMOVE EXISTING HOT WATER LOOP PIPING SERVING THE AREA OF DEMOLITION AND RENOVATION.

1 BOILER ROOM DEMOLITION PLAN
H400 1/4" = 1'-0"



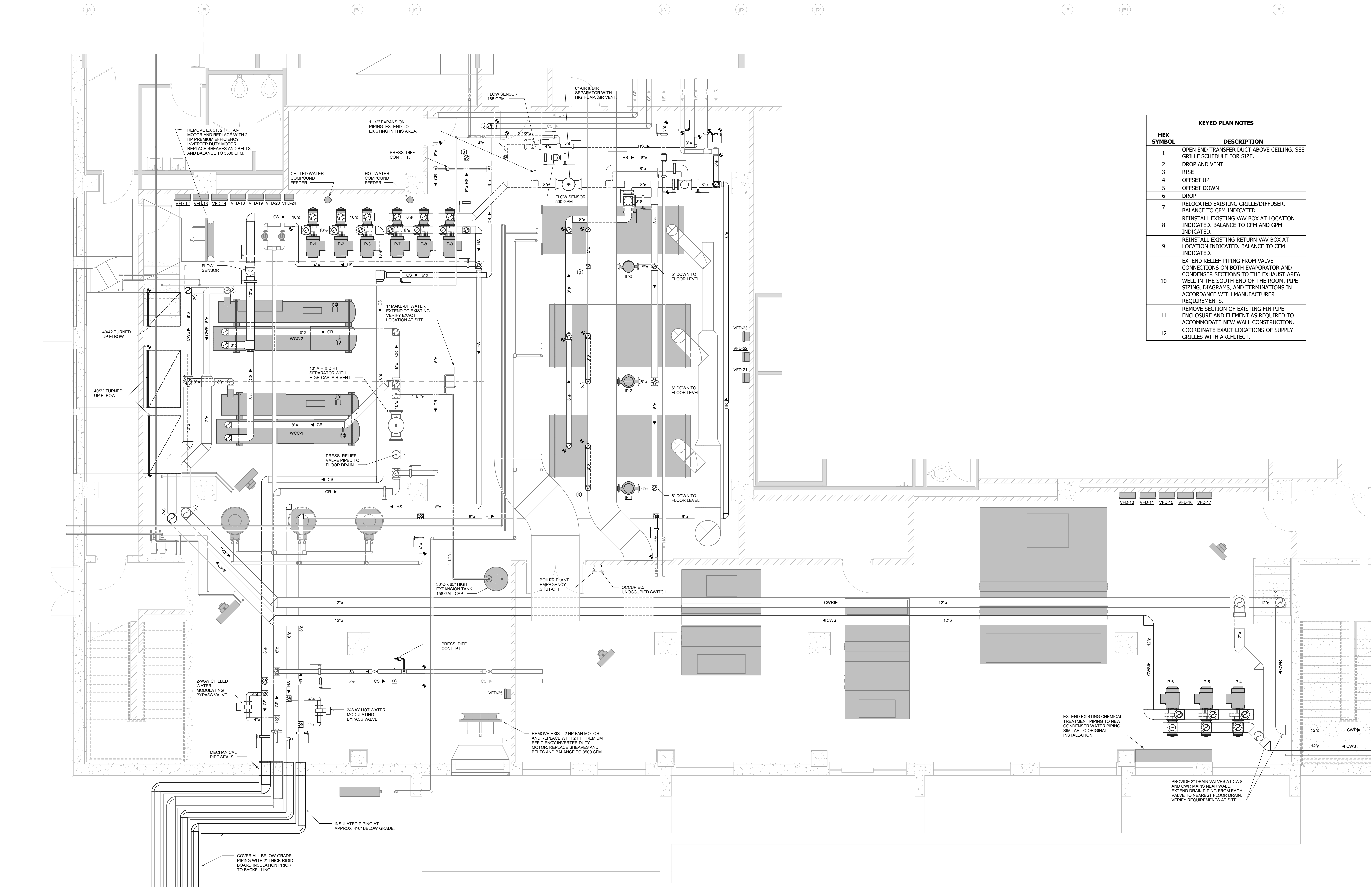
ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
JUSTICE CENTER BOILER ROOM DEMOLITION

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H400

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KEYED PLAN NOTES	
HEX SYMBOL	DESCRIPTION
1	OPEN END TRANSFER DUCT ABOVE CEILING. SEE GRILLE SCHEDULE FOR SIZE.
2	DROP AND VENT
3	RISE
4	OFFSET UP
5	OFFSET DOWN
6	DROP
7	RELOCATED EXISTING GRILLE/DIFFUSER. BALANCE TO CFM INDICATED.
8	REINSTALL EXISTING VAV BOX AT LOCATION INDICATED. BALANCE TO CFM AND GPM INDICATED.
9	REINSTALL EXISTING RETURN VAV BOX AT LOCATION INDICATED. BALANCE TO CFM INDICATED.
10	EXTEND RELIEF PIPING FROM VALVE CONNECTIONS ON BOTH EVAPORATOR AND CONDENSER SECTIONS TO THE EXHAUST AREA WELL IN THE SOUTH END OF THE ROOM. PIPE SIZING, DIAGRAMS, AND TERMINATIONS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
11	REMOVE SECTION OF EXISTING FIN PIPE ENCLOSURE AND ELEMENT AS REQUIRED TO ACCOMMODATE NEW WALL CONSTRUCTION.
12	COORDINATE EXACT LOCATIONS OF SUPPLY GRILLES WITH ARCHITECT.

1 BOILER ROOM PLAN



ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
JUSTICE CENTER BOILER ROOM PLAN

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	

H401

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[illegible]

LEVEL 820.00 MECH. ROOM DUCTWORK PLAN

9
H402 1/4" = 1'-0"

0' 2' 4' 8' 12'

NORTH

MECHANICAL ROOM DUCTWORK PLAN

LEVEL 820.00 EXIST.

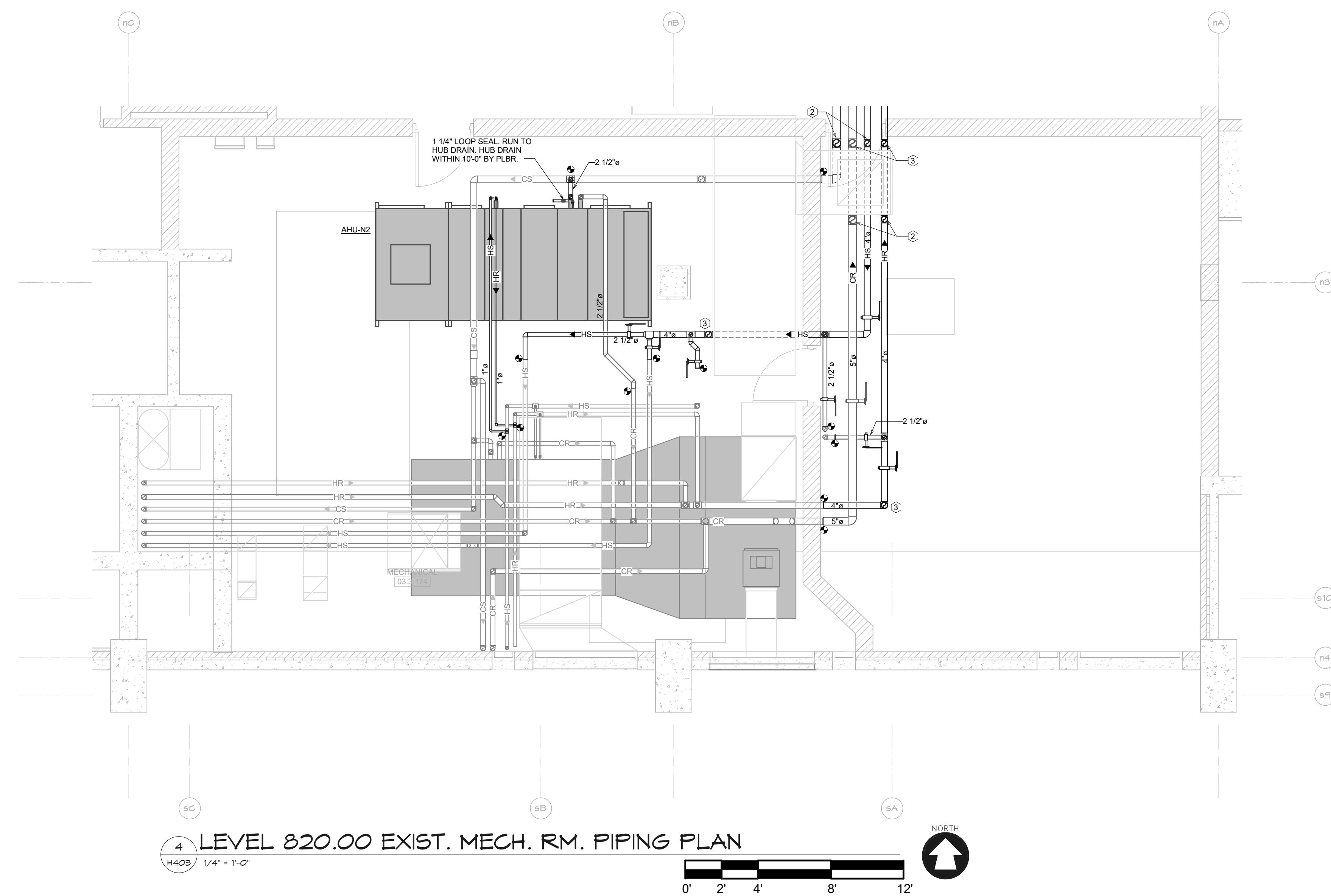
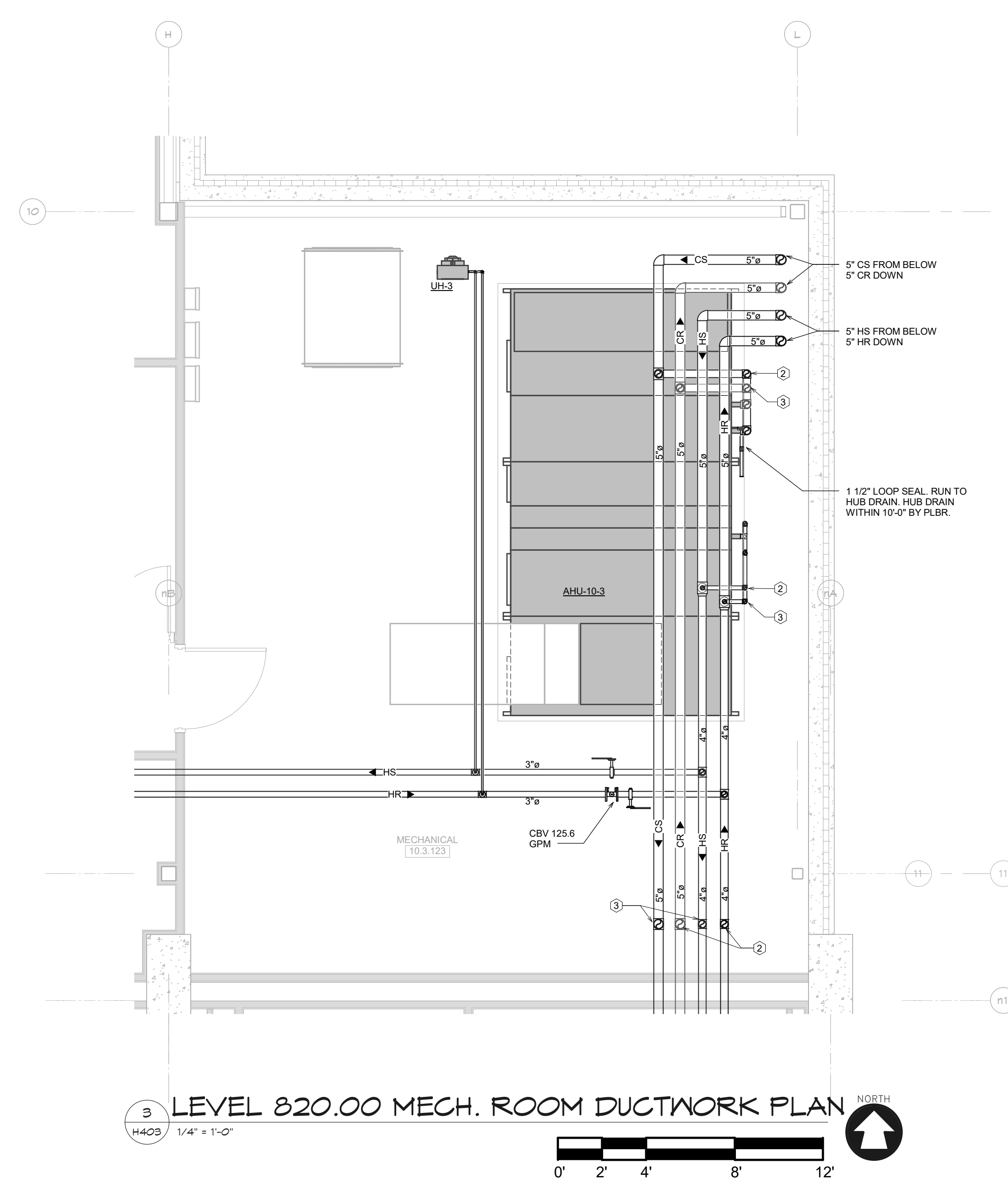
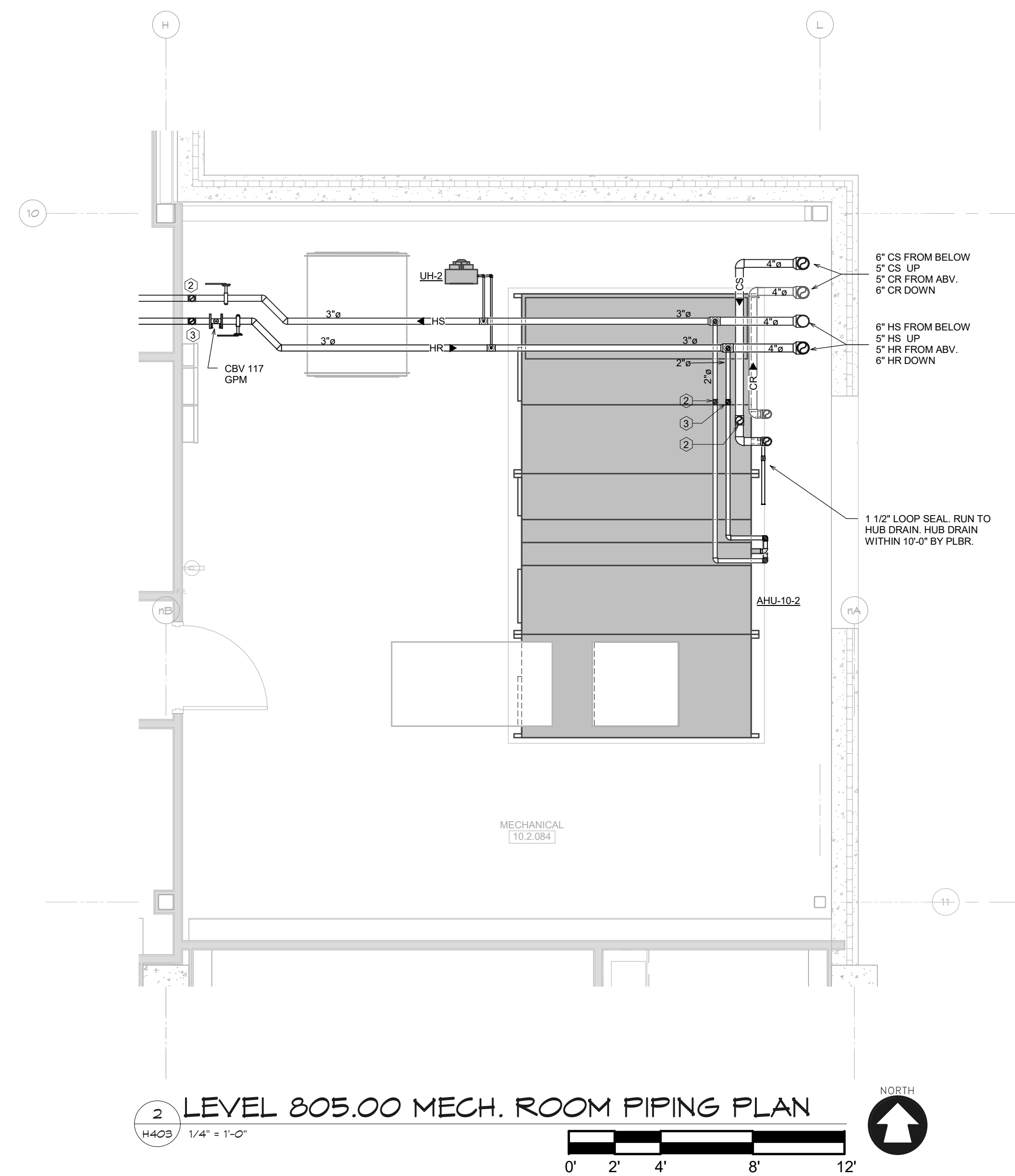
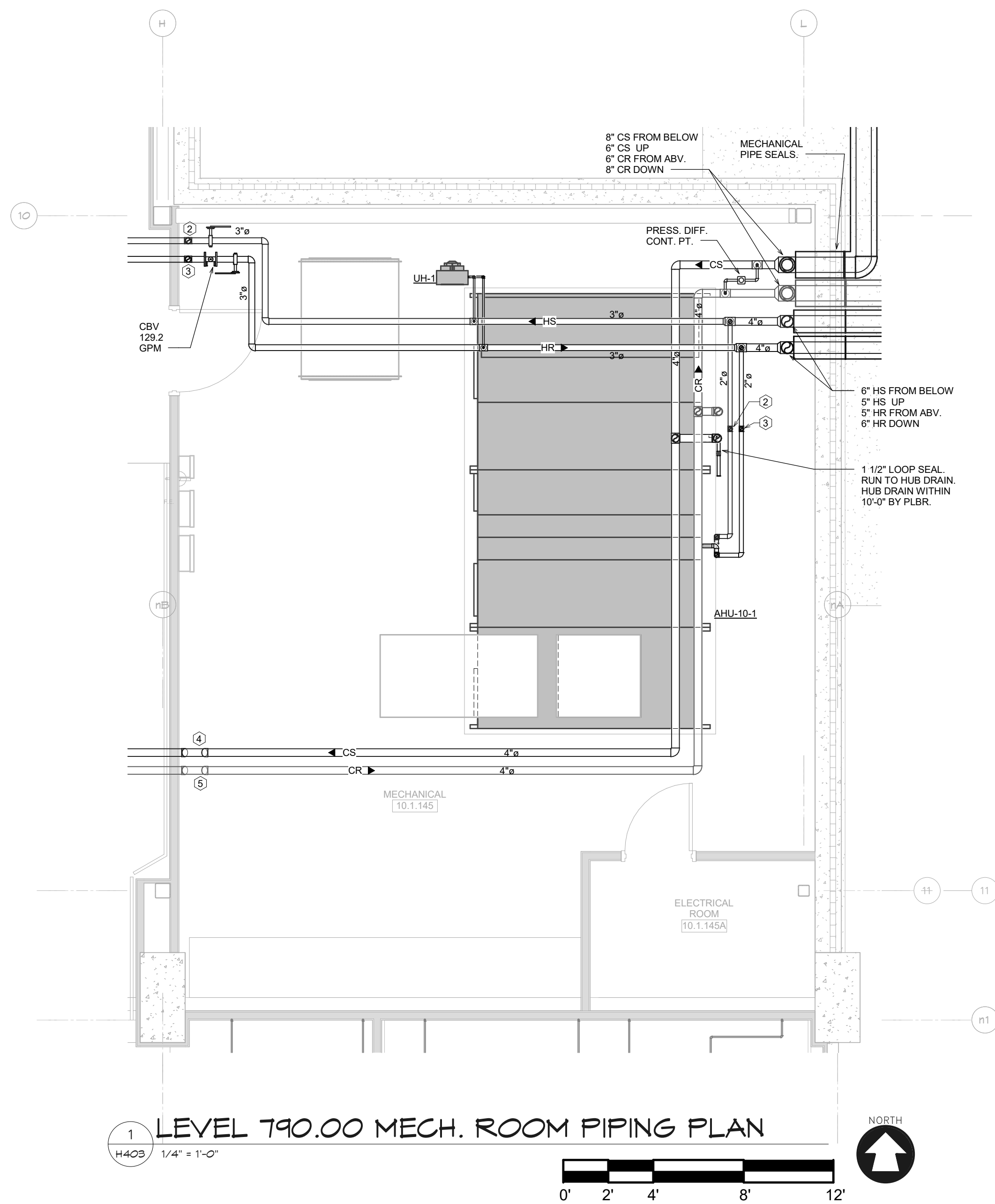
MECHANICAL [03.3.174]

CONNECT TO EXISTING 48/20 RISER THRU ROOF.

BE-1 SET ON EXISTING ROOF CURB. PROVIDE ADAPTER AS REQUIRED.

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

0' 2' 4' 8' 12'







ALTERATION / ADDITION
OUTAGAMIE COUNTY ADMINISTRATION CENTER
S. WALNUT & W. 8TH, APPLETON WI 54911
HVAC DETAILS

DESIGNED	DRAWN
RA	JJ
PROJECT NO.	
00002-61600160	
DATE	
MARCH 3, 2017	
SHEET NO.	