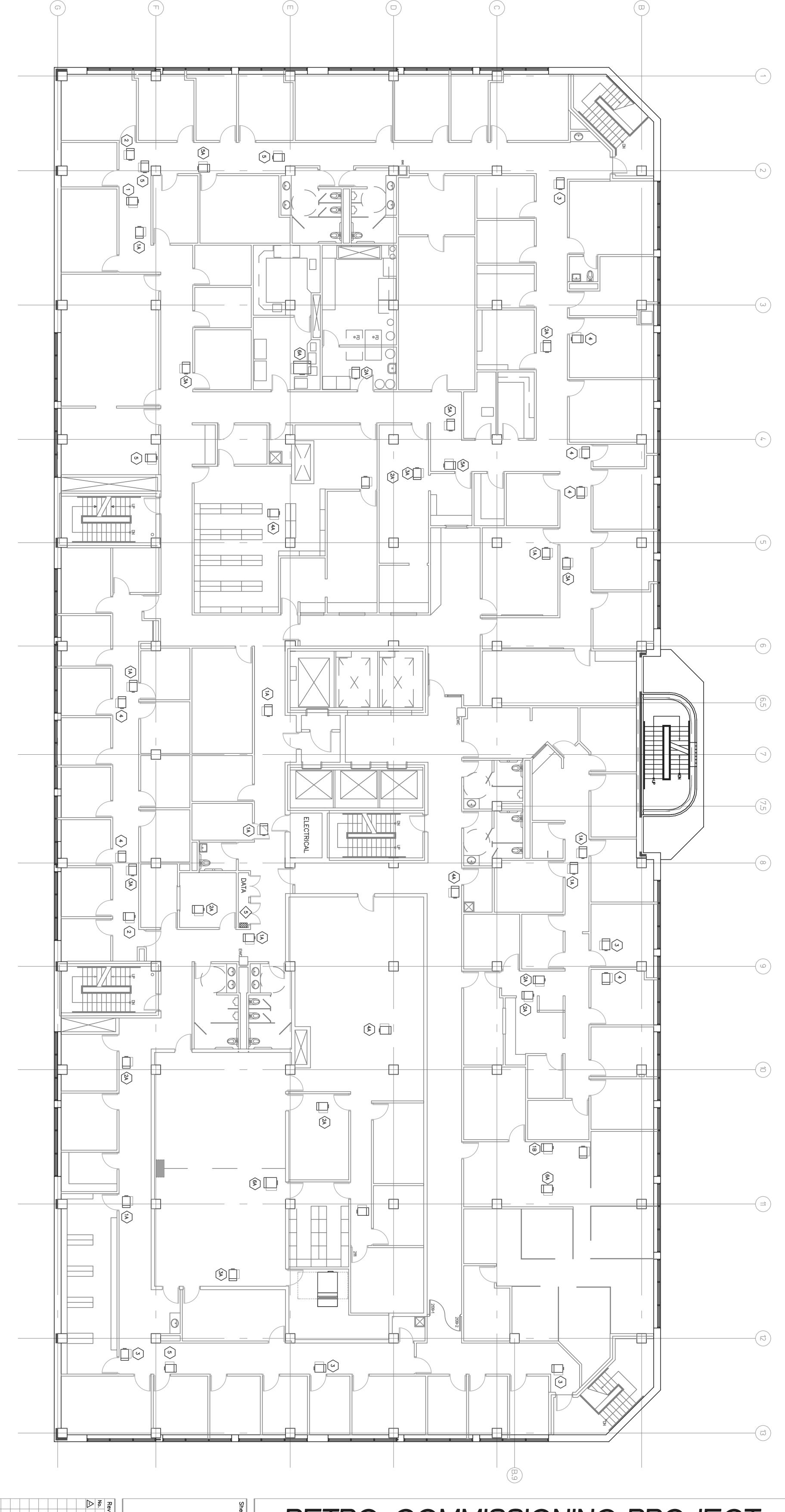


	Sheet		Date	10	Pro					D	o.	Re
エ	eet Number:	1-30-10	te Issued:	101121A	Project Number:					00-00-00	Date:	Revisions:
<u></u>	ber:	0	••		nber:					ı	Description:	
0			Reviewed		Designed						on:	
			By:		By:							
										ABC	By:	

RETRO-COMMISSIONING PROJECT JUSTICE CENTER MADISON, WISCONSIN

OWNER: DANE COUNTY, WISCONSIN

·	
BID 310	
NUMBER:	



1. REMOVE EXISTING PNEUMATIC CONTROLLER ON EACH VAY BOX. MAINTAIN INTEGRITY OF VAY BOX FOR REUSE. CONTROLLER FOR EACH VAY BOX. MAINTAIN INTEGRITY OF COMPONENTS.

2. PROVIDE NEW DDC VAY CONTROLLER FOR EACH VAY BOX. INSTALL CONTROLLER SECURELY AND SQUARE TO VAY BOX.

3. REMOVE EXISTING PNEUMATIC ROOM THERMOSTATS AND PROVIDE NEW DDC TYPE ROOM SENSOR/THERMOSTAT AND DISCHARGE AIR SENSOR.

4. PROVIDE I/P ON EACH VAY TO REUTILIZED.

5. PROVIDE NEW NETWORK CONTROL PANEL AND TRANSFORMER PANEL. WALL MOUNT PANELS IN DATA CLOSET AND PROVIDE NEW DEDICATED CIRCUIT FOR POWER.

6. AREAS BEING SERVED BY VAYS IS FULLY OCCUPIED. COORDINATE INSTALLATION SCHEDULE WITH DWNER AND PHASE INSTALLATION ACCOURDINGLY TO MINIMIZE DOWN TIME OF EACH ZONE.

V CONVERSION PLAN

RETRO-COMMISSIONING PROJECT

PUBLIC SAFETY BUILDING MADISON, WISCONSIN

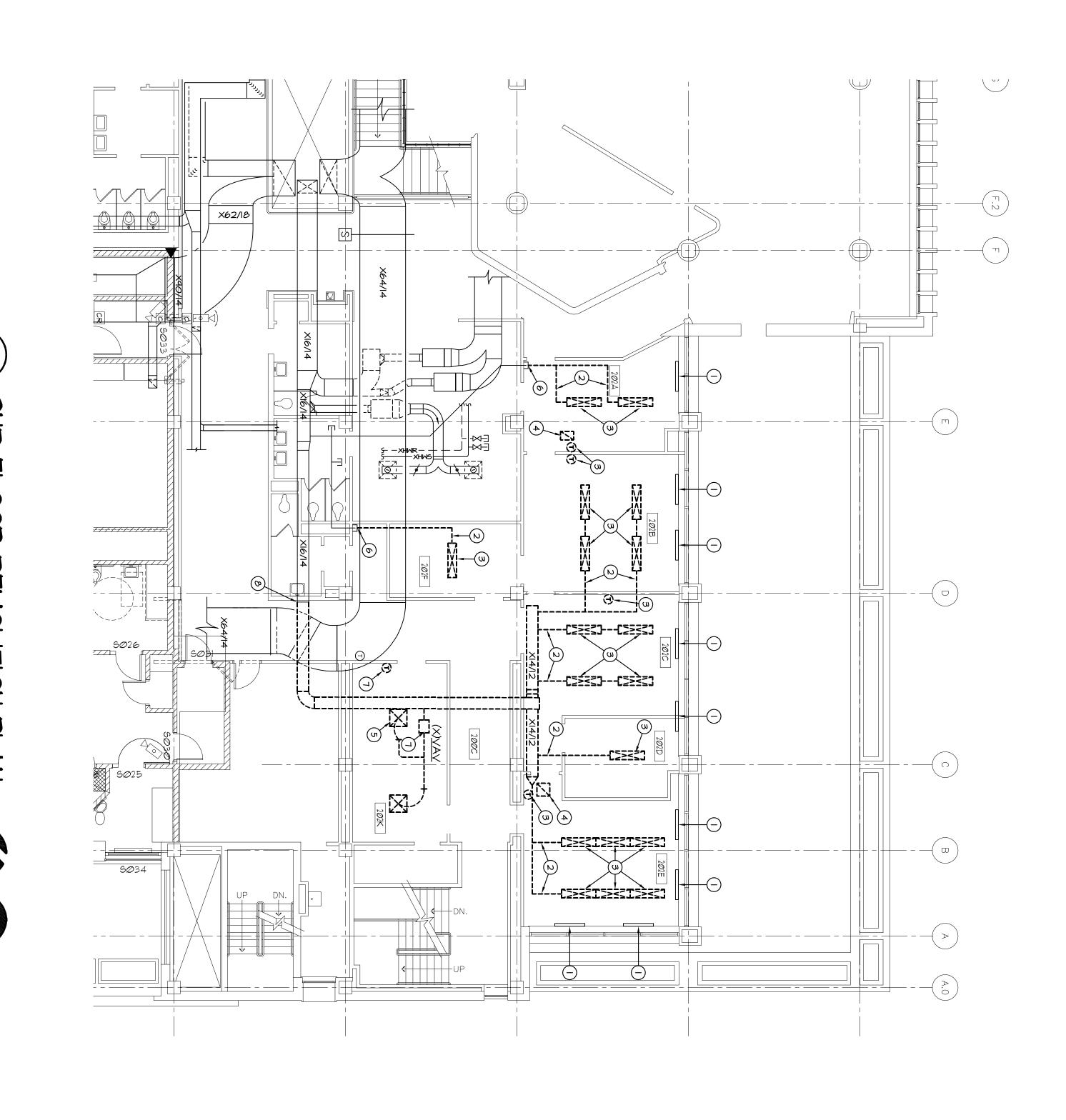
OWNER: DANE COUNTY, WISCONSIN

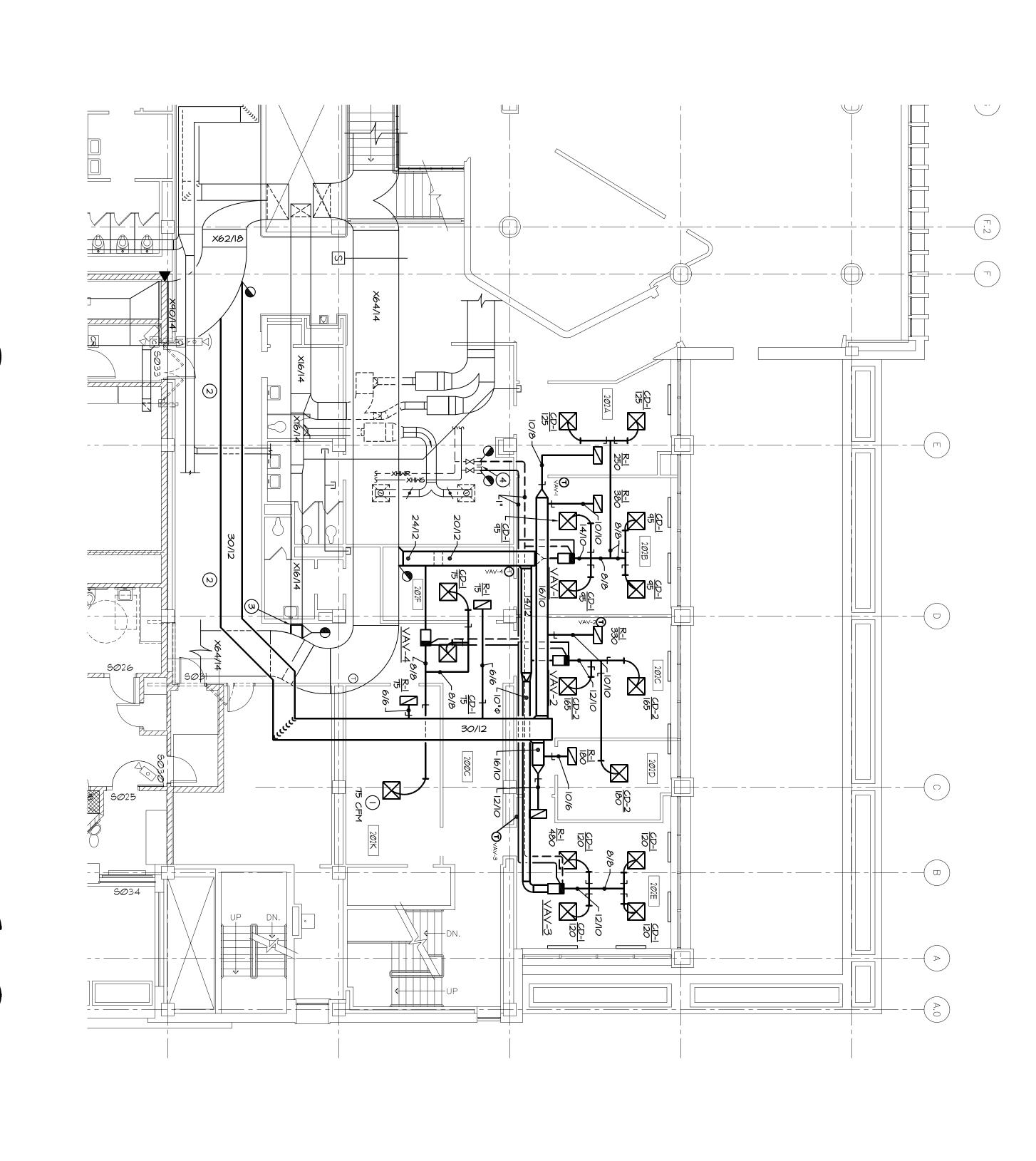
BID NUMBER:

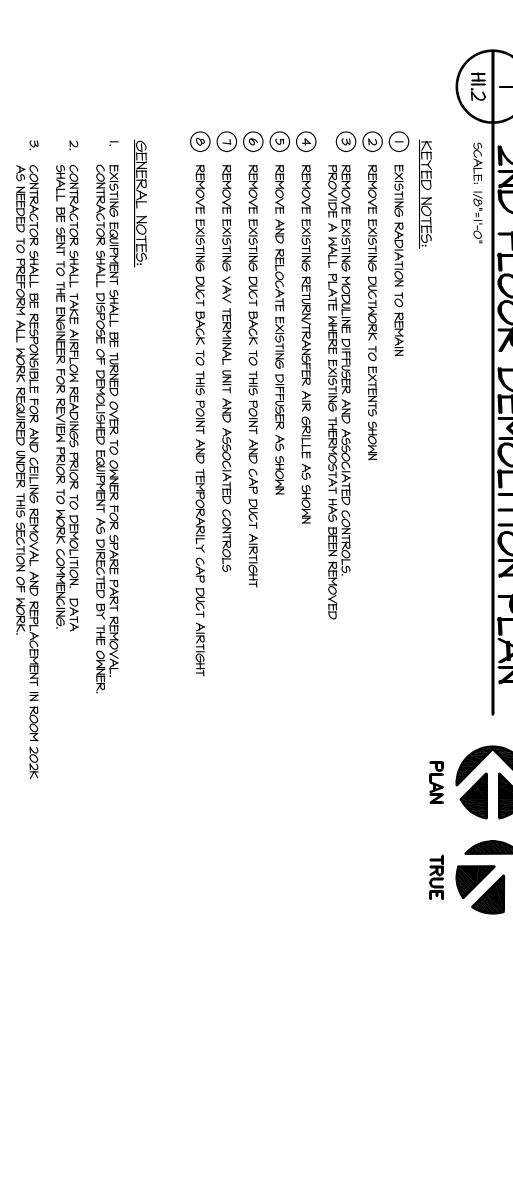
310035

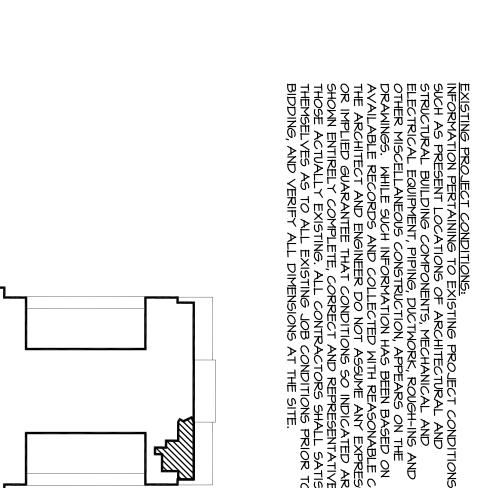
DANE COUNTY
PUBLIC WORKS

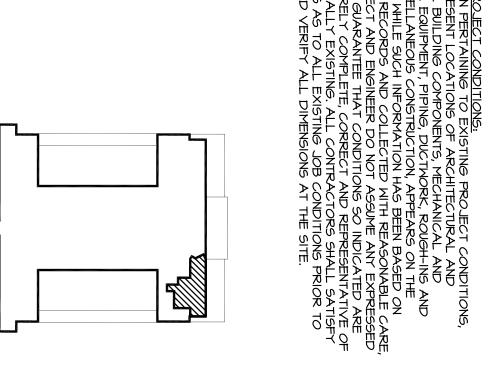
TELEPHONE (608) 266-4018
1919 ALLIANT ENERGY WAY









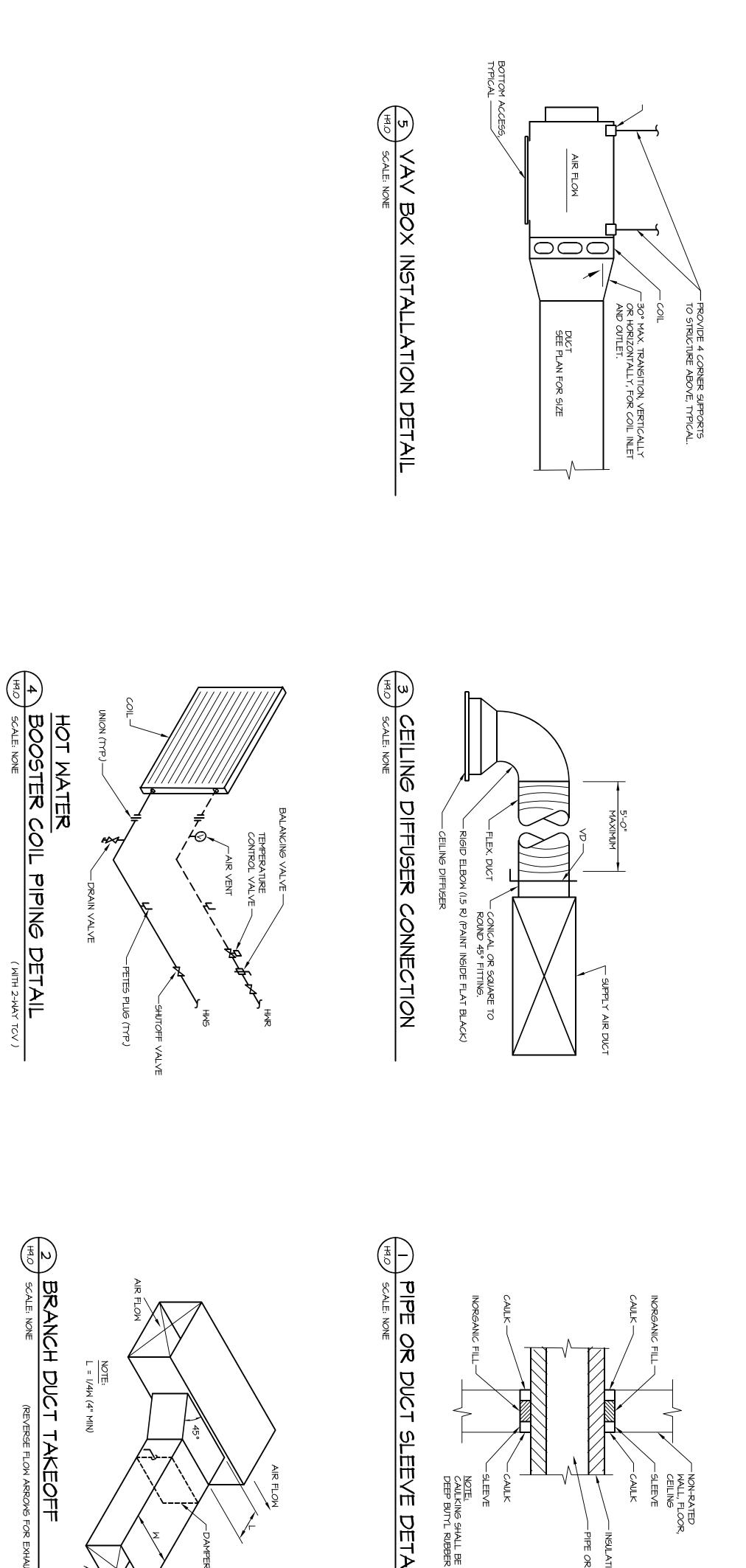


Sheet N	11-3	Date Is:	101121A	Project						△ 00-00-00	No. Date:	Revisions:
Number:	1-30-10	Issued:	21A	Project Number:)-00	Description:	S:
	M P I	Reviewed By:	A&O	Designed By:							ň:	

2ND FLOOR
DEMOLITION AND
NEW CONSTRUCTION
PLANS

RETRO-COMMISSIONING PROJECT





					VCMF 0.25	VCMF 0.25	VCMF 0.25	VCMF 0.25	MODEL NO. (W.C.)	TRANE MAX.	ARIABLE	
					225	480	510	610	MAXIMUM		<u>≯</u> R <	
בר	NO.	UNIT			70	145	155	185	MINIMUM	AIRFLOW (CFM)	R VOLUM	
אוחוא / אואר	MODEL NO.	MANUFACTURER /	<u>(3)</u>		70	145	155	185	HEATING CFM		IE IER	
CERTIFICATION ERVINGS	1171		- THROW (IF USED FOR DIFFUSERS ONLY) - UNIT NUMBER - CFM		180 160	160	160	160	EMT LMT		RMINAL	
	(F,		,	AR	55	55	55	55	EAT		L UNIT MITH	
) # PC^"PC	(FACE / NECK)	SIZE	KEY 5 = SUPPLY 6 = RETURN R = RETURN T = TRANSFER 5D = SLOT DIFFUSER (SUPPLY) 5D = SLOT DIFFUSER (SUPPLY) CD = CEILING DIFFUSER (SUPPLY)		<i>4</i> 5	<i>q</i> 5	<i>q</i> 5	d5	LAT	нот і	T Σ	
- 元 - 元 - 一			(SNALTA) ObTA)	DEVICE SCHEDULE	3,040	6,290	6,725	7,810	CAPACITY (BTUH)	HOT WATER REHEAT COIL DATA	구 감	
11112 1112				SCH	0.4	0.7	0.7	0.8	СР М	COIL DATA	HEA:	
	LAY-IN	-		IEDU	4.0	4.0	4.0	4.0	MAX. WATER		T SC+	
	SURFACE	MOUNTING]	_		_	_	MIN ROWS		曲	
	SIDEMALL				3/4"	3/4"	3/4"	3/4"	BRANCH PIPE SIZE		DULE	
									XII'S XXXX			

AIR DEV	ļπ	ま 20 1 1 1 2 2 3		lπ				
KEY S = SUPPLY FOR R = RETURN T = TRANSFER SD = SLOT DIFFUSER (SUPPLY) CD = CEILING DIFFUSER (SUPPLY)	부(건)							
				MOUNTING				
TE (FACE / NECK)	CHM KANGE	MAIHKIAL	LAY-IN	SURFACE	SIDEWALL	DANTIK	KHMAKKU	
OUVERED 24"x24" / 6x6	0 - 150	STEEL	•					
		STEEL	•					
RATE 24"x12"	0 - 500	ALUMINUM	•					
FACE / FRAME REQUIREMENTS 17 THE SAME AS THE NECK SIZE OF THE DIFFUSER UNLESS NOTED OTHERWISE. CRILLE, REGISTER, AND DIFFUSER FINISHES. H GRILLE, REGISTER, OR DIFFUSER SHALL NOT EXCEED O.I". ERS, OR DIFFUSERS SHALL NOT EXCEED 25. DIFFUSERS SHALL BE 4-MAY THROM.	DIFFUSER UNLESS N HES. LL NOT EXCEED 0.	.I".	SE.					
	CAULK - CAULK			NON-RATED WALL, FLOOR, CEILING SLEEVE SLEEVE ROTE: CAULK CAULK CAULKING SHA	- NON-RATED WALL, FLOOR, CEILING - SLEEVE - CAULK - SLEEVE NOTE: CAULKING SHALL BE 1/2" CAULKING SHALL BE 1/2"	PIPE OR DUCT HALL BE 1/2"	(y)	
	0 0		<u>v</u> H	Π 	IJ Π Ι Ι	=		
`	フロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロロ	<u>こ</u>	<u>い</u> トレ		プロナタ	<u></u>		

NS NS		Da	10	Pro						\triangleright	3
eet		te l)11	ojec						00-	0
Sheet Number:	30-10	Date Issued:	01121A	Project Number:						00-00-00	•
n be		d:	\triangleright	교	ŀ						<u> </u>
۲				ber:						ı	
											1
	MAH	Re	A8	De							
	至	Reviewed	A&O	Designed							
		'ed		ed							
		Ву:		By:							
	I										

	\triangleright	N _o .	Rev]	S	(
	00-00-00	Date:	Revisions:		CHED	
	1	Description:			SCHEDULES) - : : [
	Æ	œ				

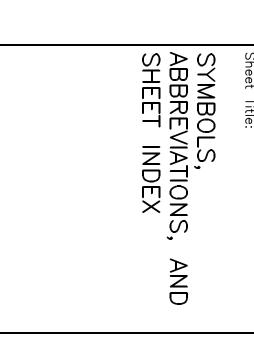
2ND FLOOR MODULINE RETROFIT CITY-COUNTY BUILDING MADISON, WISCONSIN OWNER: DANE COUNTY, WISCONSIN

	ARNOLD AND
	O'SHERIDAN INC
SI	STRUCTURAL CIVIL HVAC PLUMBING ELECTRICAL TECHNOLOGY
B R	WADISON, WISCONSIN (608)821-8500 BROOKFIELD, WISCONSIN (262)783-6130 WWW.ARNOLDANDOSHERIDAN.COM

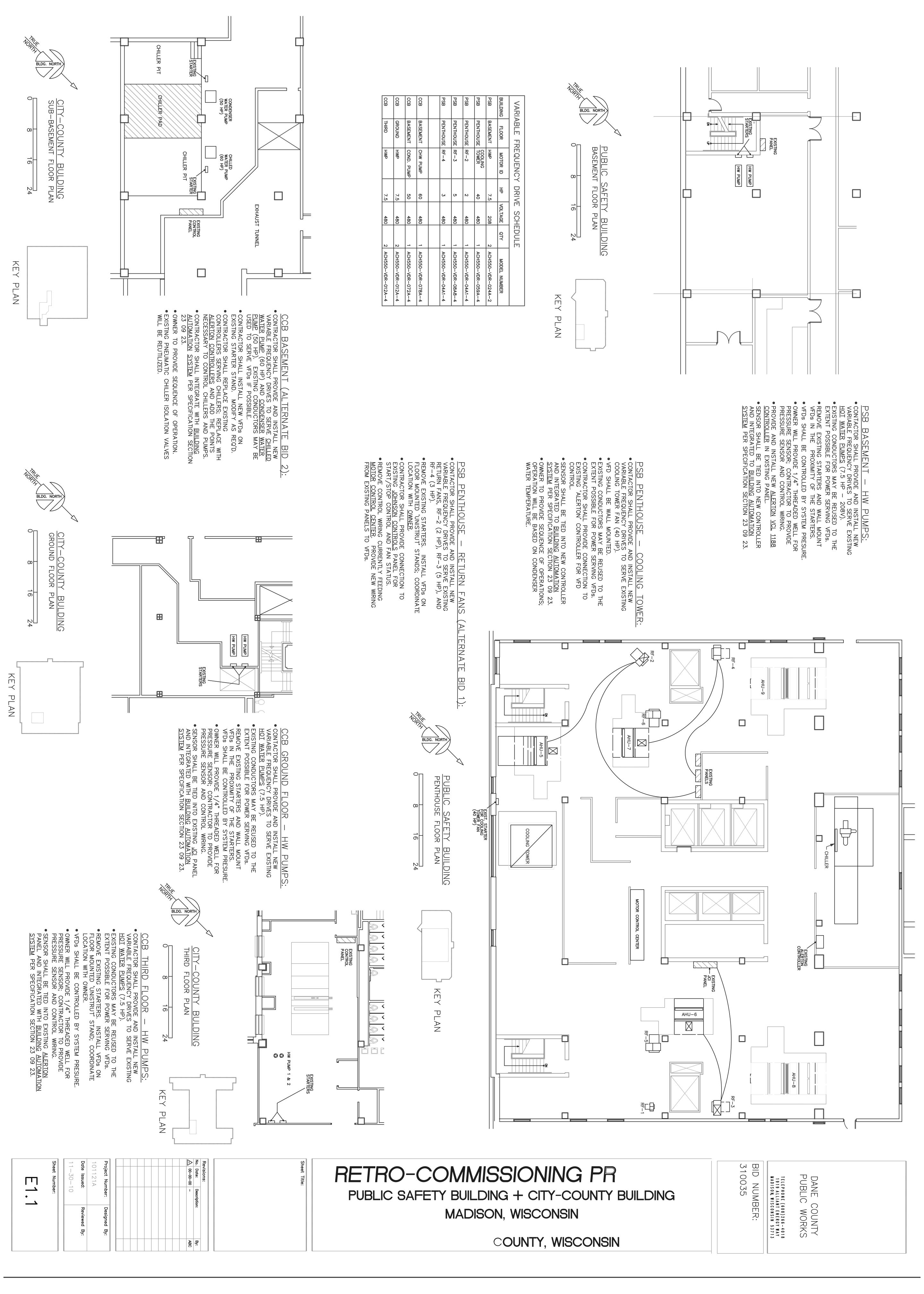


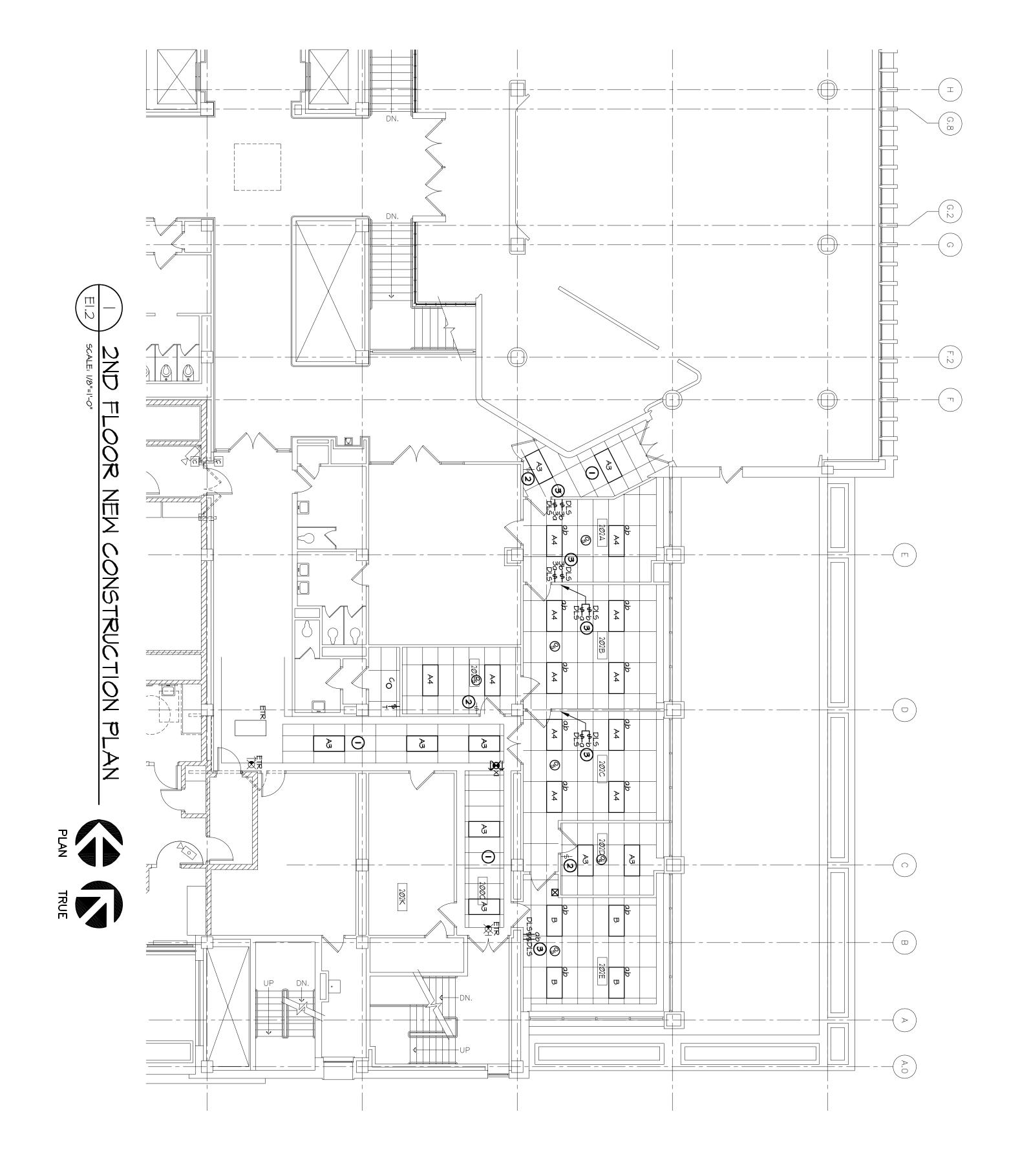


	_												
ЧS			Da	10	Pro							No.	Re
Sheet Number:		1-30-10	Date Issued:	101121A	Project Number:						00-00-00	Date:	Revisions:
ber:		10	••		nber:						I	Description:	
		AES	Reviewed By:	A&O	Designed By:							n:	

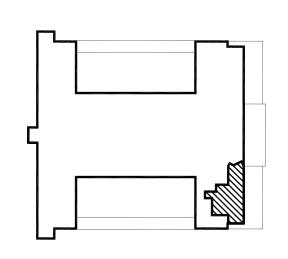


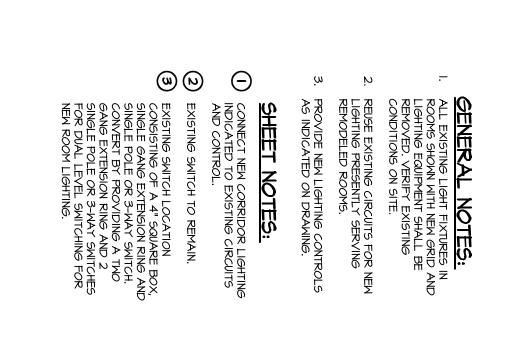






×	0	æ	A 4	23	7	J Ti			
ı	Ν	w	4	w	NO.			NOTE:	
LED	CFQ26DD/E/84I	FP32/850/ECO	FP32/850/ECO	FP32/850/ECO	TYPE	LAMP DATA	À		
EXIT LIGHT	8" CAN LIGHT	2 X 4 INDIRECT/DIRECT	2 X 4 TROFFER	2 X 4 TROFFER	DESCRIPTION		ABBREVIATIONS:	SEE SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION REGARDING "OPTIONS/ACCESSORIES". MANUFACTURERS LISTED AS ACCEPTABLE SHALL	
							DW = 1	IAL INFORMATIO ISTED AS ACCEF	
LITHONIA	LITHONIA	LITHONIA	LITHONIA	LITHONIA	MANUFACTURER	LIE	DRY WALL EXPOSED STRUCTURE LAY-IN GRID	N REGARDING LIGHTING F PTABLE SHALL MEET ALL	LIGHTIN
LESWIRELN	AF 2/26DTT & PR MVOLT	2AV 6 3 32 MDR GEBIOIS	25P8 6 4 32 FWAI2I25 MVOLT	25P8 6 3 32 FWAI2I25 MVOLT	CATALOG SERIES	LIGHTING FIXTURE		SEE SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURE AND INSTALLATION REQUIREMENTS. PROVIDE OPTIONS AND ACCESSORIES REFEREI "OPTIONS/ACCESSORIES". MANUFACTURERS LISTED AS ACCEPTABLE SHALL MEET ALL REQUIREMENTS AND FEATURES INDICATED. ACCEPTABLE MANUFACTURERS MUST MEET THE	ITING FIXTURE SCHEDULE
120	120	120	120	120	YOLI	<u></u>	מ קן מג	IREMENTS IDICATED	50
1	ı	1	1	ı	TYPE	BALLAST	= PENDANT = PLASTER = RECESS	5. PROVIDE 7. ACCEPTA	HED
S	70	70	70	70	PICONI	•	,	OPTIONS BLE MAN	UL E
ı	1	ı	1	ı	TYPE	CEILING		AND ACC JFACTURE	
ı	ı	1	1	1	DEPTH	FIXTURE		ESSORIES RS MUST M	
	1 1	1 1	1 1	1 1	ACCESSORIES	OPTIONS/	5 = SURFACE W = WALL MOUNTED V = VARIES	REFERENCED BY THE COLUMN TITLED REFERENCED BY THE COLUMN TITLED	
1 1	1 1	1 1	1 1	1 1	MANUFACTURERS	ACCEPTABLE		ITLED VANCE OF THE LISTED	
ı	ı	ı	1	ı	NOTE	SEE		UNIT.	





Revisions:			
o. Date:	Description:		By:
△ 00-00-00	I		ABC
^o roject Number:	nber:	Designed By:	
101121A		A&O	
Date Issued:	••	Reviewed By:	
11-30-10	10	AES	
-			
Sheet Number:	ber:		



