

Canadian County Purchasing

Addendum

Date Issued:

April 18, 2016

Bid Number:

2016-#21

Closing Date:

May 16, 2016 at 9:30am

PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036

Opening Date:

May 16, 2016 at 9:30am

Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

~ ADDENDUM~

HVAC System / County Commissioners

Please see attached addendum number (1) one to the plans and specifications for the roof replacement and HVAC System for the Canadian County Administration Building.

For more information contact:

Tom Ratanasin, AIA
Boynton Williams & Associates

Phone: (405) 329-0423

Hours: Monday - Friday 8:00am to 4:00pm

Address: 900 36th Avenue NW, Suite 100, Norman, OK 73072

Email: tomr@bwaarchitects.com

Witness my hand and seal this 5th day of May 2016.

Sherry Murray, Purchasing

(SEAL)

If you have any questions or need additional information, please contact: Sherry Murray, Purchasing Agent, 405.295.6125 or 405.422.2441 smurray@okcana.cogov.net



ARCHITECTURE

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900 36TH AVENUE NW

SUITE 100

NORMAN, OK 73072

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FAX 405-364-1439

A Professional Corporation

Member: American Institute of Architects

ADDENDUM NUMBER ONE

TO THE PLANS AND SPECIFICATIONS FOR

CANADIAN COUNTY ADMINISTRATION BUILDING RE-ROOF AND HVAC REPLACEMENT 200 N. CHOCTAW AVE. EL RENO, OKLAHOMA 73036

ARCHITECT'S PROJECT NUMBER N16001

May 5RD, 2016

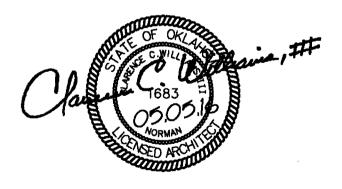
The following items, applicable to the work designated, shall be understood to be an Addendum, and as such, shall be included in the Contract Documents.

General Contractor is to inform all subcontractors and suppliers of the Addendum items as appropriate or applicable to their portion of the work.

Clarifications:

- Existing roof condition: EPDM single ply roof system w/ ½" recover board over 3ply built-up roofing system. Field verify.
- 2. Existing antenna on roof shall be removed and discarded.
- 3. Mandatory Pre-bid Meeting attendance lists. See following pages.

Mechanical, plumbing and electrical addendum: - Following pages



END OF ADDENDUM

MECHANICAL ADDENDUM NO. 1

Roof Replacement & HVAC Renovation CANADIAN COUNTY OFFICE BUILDING 201 N. CHOCKTAW AVE. EL RENO, Oklahoma 73036

PROJECT NO. N16001 DATE: 05/05/2016

NOTICE:

The following amendments, additions, deletions, and/or corrections are hereby made to the drawings and specifications where applicable to accomplish the following.

MECHANICAL ITEMS:

GENERAL MECHANICAL ITEMS:

Item No. 1 TEMPORARY MECHANICAL COOLING AND HEATING

- a. The contractor shall provide temporary heating and cooling in areas that the owner leaves personnel in. The spaces shall be maintained at a minimum of 68 degrees in the heating season and a maximum of 77 degrees F in the cooling season. The owner will remove personnel to the extent possible, however some space may have personnel. The use of spot cooling and heating is allowed.
- b. It is believed that the HVAC renovation work will be completed prior to the overall building needing heat. If the contractor runs into the heating season, all area's of the building will be furnished with temporary heating to maintain all areas above freezing.

REFERENCE THE DRAWINGS:

Item No. 1 Refer to Sheet 2M2 FIRST FLOOR MECHANICAL PLAN

- a. Add FCU2-26 as indicated. The contractor shall bid this item as HVAC Alt #1.
- b. Add Keyed Note 11.

Item No. 2 Refer to Sheet 2M3 MECHANICAL ROOF PLAN

- a. Refer to A/2M3, Add locations of keyed notes 6 and 7 as indicated. The contractor shall replace all fan curbs as noted.
- b. Add Keyed Notes 6 and 7
- c. Add General Note 5.

Item No. 3 Refer to Sheet 2M4 BASEMENT HYDRONIC PIPING PLAN

- a. Add piping to FCU2-26 as indicated. The contractor shall bid this piping as HVAC Alt #1.
- b. Cap 1 1/4" CHS/CHR in southeast corner as indicated.

Item No. 4 Refer to Sheet 2M5 FIRST FLOOR HYDRONIC PIPING PLAN

a. Add piping to FCU2-26 as indicated. The contractor shall bid this piping as HVAC Alt #1.

Item No. 5 Refer to Sheet 5M1 MECHANICAL SCHEDULES

- 1. Refer to FAN COIL UNIT SCHEDULE.
- a. Add FCU2-26 to this schedule.
- b. Modify note 4 as indicated.

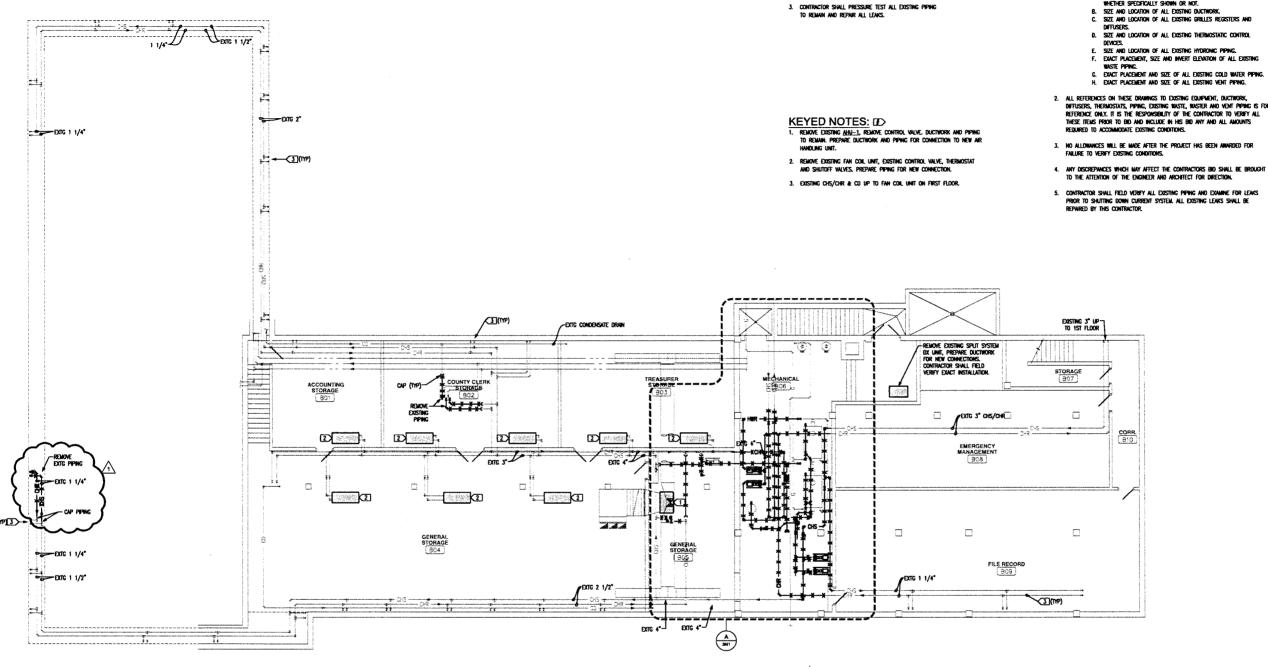
Item No. 6 Refer to Sheet 2MD1 BASEMENT MECHANICAL DEMOLITION FLOOR PLAN

a. Remove and Cap 1 1/4" CHS/CHR in southeast corner as indicated.

Item No. 7 Refer to Sheet 2MD2 FIRST FLOOR MECHANICAL DEMOLITION PLAN

a. Remove 1 1/4" CHS/CHR in southeast corner as indicated.

END OF MECHANICAL ADDENDUM NO. ONE



A BASEMENT MECHANICAL DEMOLITION FLOOR PLAN

SCALE: 1/8"=1'-0"

FIELD VERIFICATION NOTES:

DEMOLITION NOTES:

. REMOVING ALL EXISTING MECHANICAL EQUIPMENT SHOWN

REMOVE ALL EXISTING PIPING AS INDICATED B AN "X" MARK CAP OR PLUG AS NECESSARY.

CONTRACTOR SHALL WIST THE SITE PRIOR TO BID TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS BID. THE FOLLOWING ITEMS SHALL BE VERIFIED.

- A. EXACT PLACEMENT, SIZE, CAPACITY, MANUFACTURER AND CONDITION OF ALL DISTING HAVE EQUIPMENT WITHIN SCOPE OF WORK, WHETHER SPECIFICALLY SHOWN OR NOT.
- SIZE AND LOCATION OF ALL EXISTING DUCTWORK.
 SIZE AND LOCATION OF ALL EXISTING GRILLES REGISTERS AND
- DIFFUSERS.

 D. SIZE AND LOCATION OF ALL EXISTING THERMOSTATIC CONTROL

- ALL REFERENCES ON THESE DRAWINGS TO EXISTING EQUIPMENT, DUCTHORK,
 DIFFUSERS, THERMOSTATS, PIPMC, EXISTING WASTE, MASTER AND YENT PIPMC IS FOR
 REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTROCTOR TO YENGY ALL
 THESE TIESE FROR TO BO AND INCLUDE IN HIS BID ANY AND ALL AMOUNTS
 REQUIRED TO ACCOMMIDIATE EXISTING CONDITIONS.
- NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
- 4. ANY DISCREPANCES WHICH MAY AFFECT THE CONTRACTORS BID SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT FOR DIRECTION.
- . Contractor shall field verety all existing piping and examine for leaks pror to shutting down current system. All existing leaks shall be repaired by this contractor.

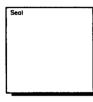


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PLANNING INTERIORS

900 36TH AVE. N.W. SUITE 100 NORMAN, OK 73072 405-329-0423 FAX 405-364-1439

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HVAC Renovation OFFICE BUILDING count & I Roof Replac CANADIAN (201 N. CHOCKT EL RENO, OKLA

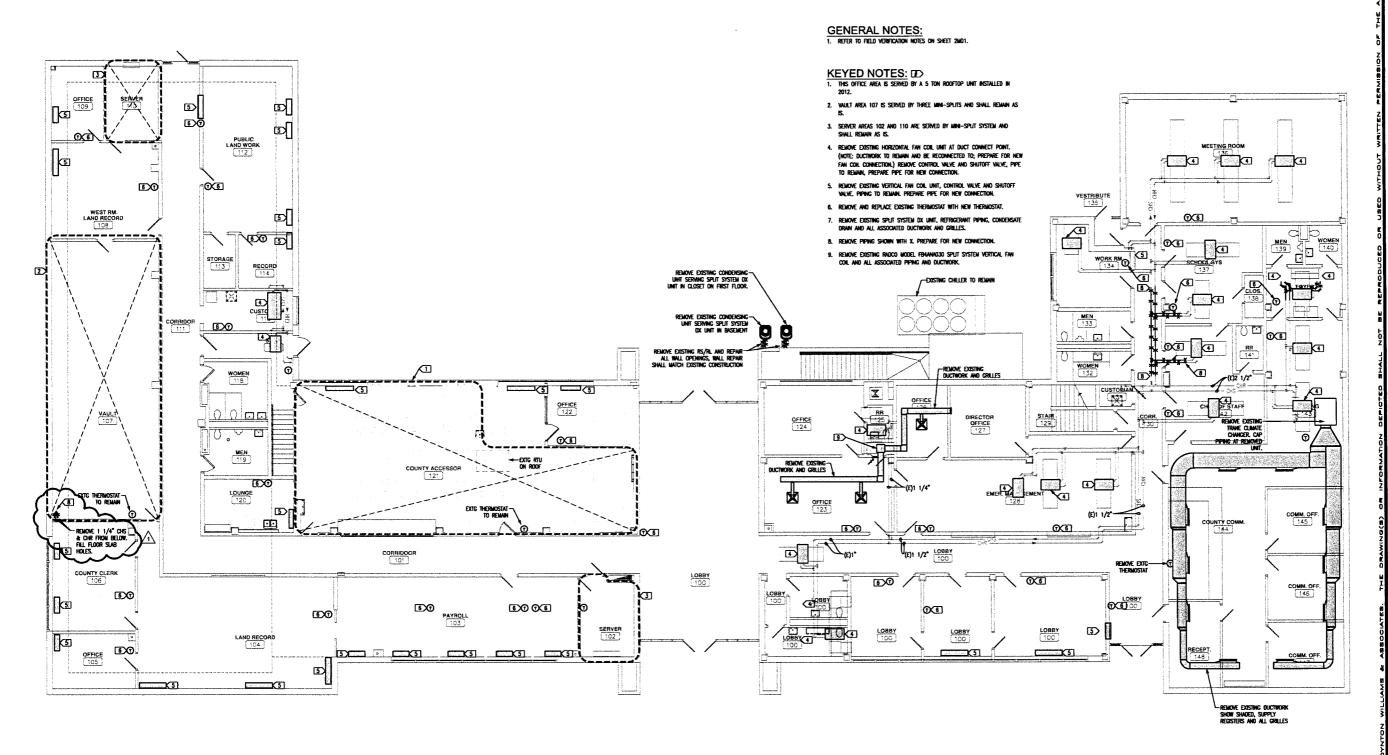
Revisions 5/5/16 ADDENDUM 1

ssue Date

03.29.16

N16001

2MD1



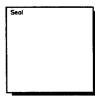




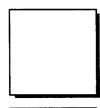
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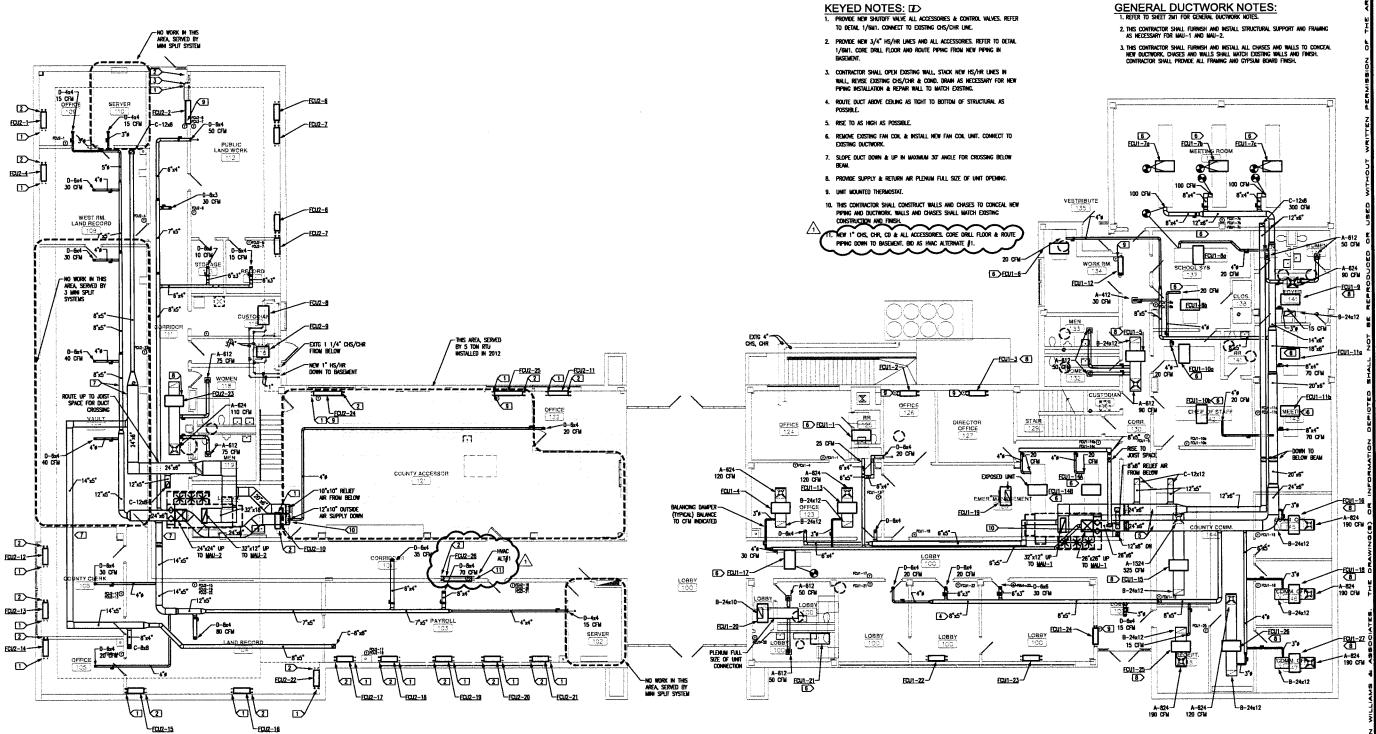
Roof Replacement & HVAC Renovation CANADIAN COUNTY OFFICE BUILDING 201 N. CHOCKTAW AVE.
EL RENO, OKLAHOMA 73036
FIRST FLOOR MECHANICAL

Revisions
5/5/16
ADDEND

03.29.16

Project No. N16001

2MD2









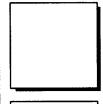
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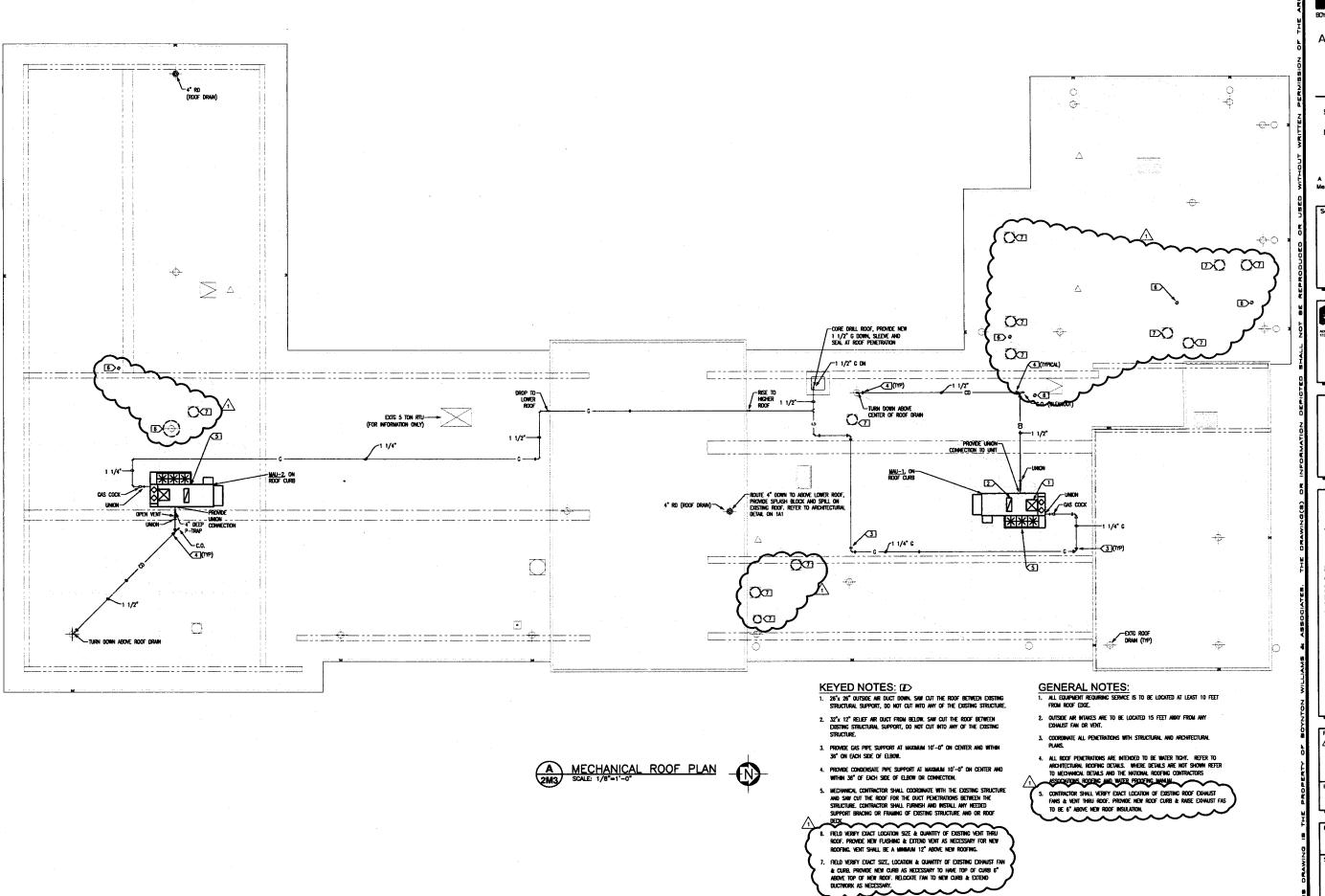


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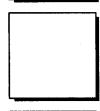
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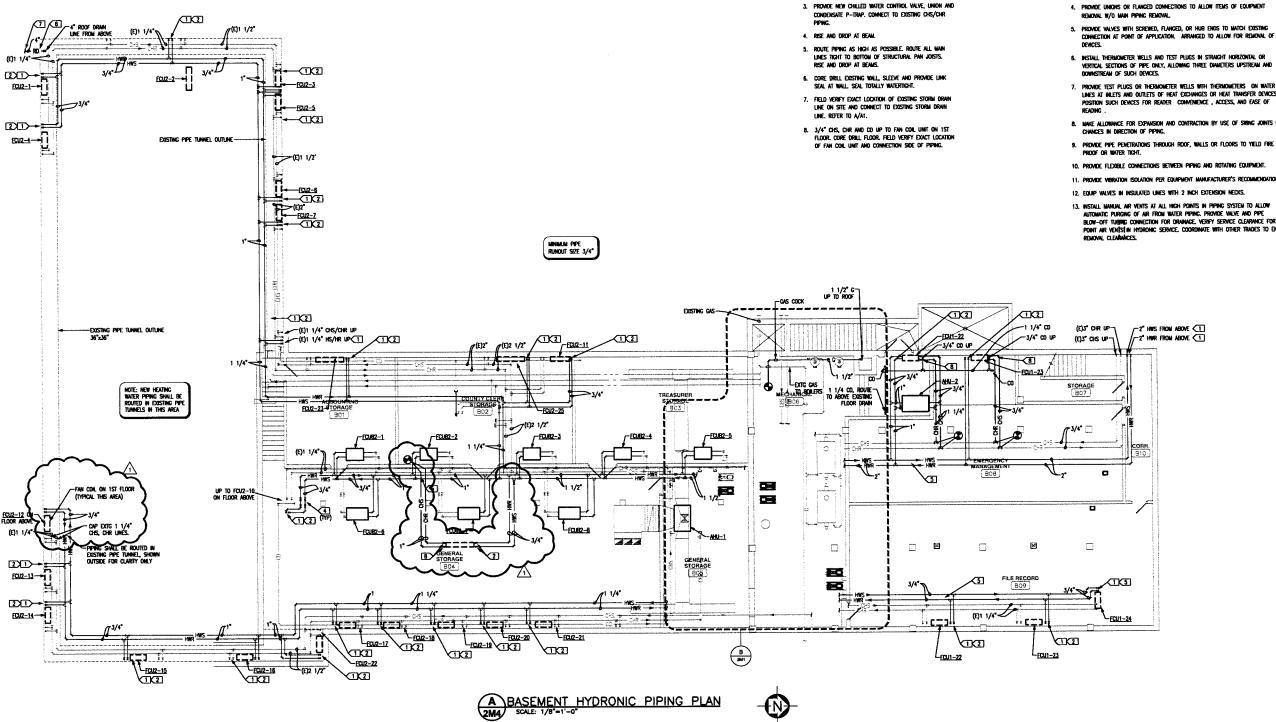


Roof Replacement & HVAC Renovation CANADIAN COUNTY OFFICE BUILDING 201 N. CHOCKTAW AVE.
EL RENO, OKLAHOMA 73036

Revisions
5/5/16
ADDENDUM 1

Issue Date 03.29.16

N16001



GENERAL PIPING NOTES:

KEYED NOTES: ID

SLEEVE AND FIRE SEAL HS AND HR (HEATING WATER SUPPLY AND HEATING WATER RETURN) LINES AT RATED WALL PENETRATIONS.

3/4" HS AND HR UP TO FAN COIL UNIT ON 1ST FLOOR. CORE DRILL FLOOR. FIELD VERIFY EXACT LOCATION OF FAN COIL UNIT AND CONNECTION SIDE OF PIPING.

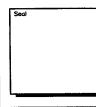
- . FOR TYPICAL STEAM, WATER AND REFRIGES
 SEE STANDARD EQUIPMENT DETAILS.
- Water pipe connections to air heating and cooling coils shall be made to provide counter flow between water and air.
- DAMPERS, CLEANOUTS, CONTROLS, ETC.
- 4. PROVIDE UNIONS OR FLANGED CONNECTIONS TO ALLOW ITEMS OF EQUIPMENT REMOVAL W/O MAIN PIPING REMOVAL.
- PROVIDE VALVES WITH SCREWED, FLANGED, OR HUB ENDS TO MATCH EXISTING CONNECTION AT POINT OF APPLICATION. ARRANGED TO ALLOW FOR REMOVAL OF
- Install Thermometer Wells and test plugs in Straight Horizontal or vertical sections of pipe only, allowing three dameters upstream and downstream of such devices.
- PROMOE TEST PLUCS OR THERMOMETER WELLS WITH THERMOMETERS ON WATER Lines at inlets and outlets of heat exchanges or heat transfer devices. Position such devices for reader commencie, access, and ease of
- MAKE ALLOWANCE FOR EXPANSION AND CONTRACTION BY USE OF SWING JOINTS OR CHANGES IN DIRECTION OF PIPING.
- 10. PROVIDE FLEXIBLE CONNECTIONS BETWEEN PIPING AND ROTATING EQUIPMENT.
- 11. PROVIDE VIBRATION ISOLATION PER EQUIPMENT MANUFACTURER'S RECOMMENDATION
- 13. INSTALL MANUAL AR VENTS AT ALL HIGH POINTS IN PIPPING SYSTEM TO ALLOW AUTOMATIC PURGING OF AIR FROM WATER PIPPING. PROVIDE VALVE AND PIPE BLOW-OFF TURBING COMPACTION FOR DRAINGEL VERFY STRONG CLEARWARE FOR HIGH POINT AIR VENTS! IN HYDROING SERVICE. COORDINATE WITH OTHER TRADES TO ENSURE.

BOYNTON-WILLIAMS & ASSOCIATES ARCHITECTURE

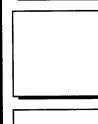
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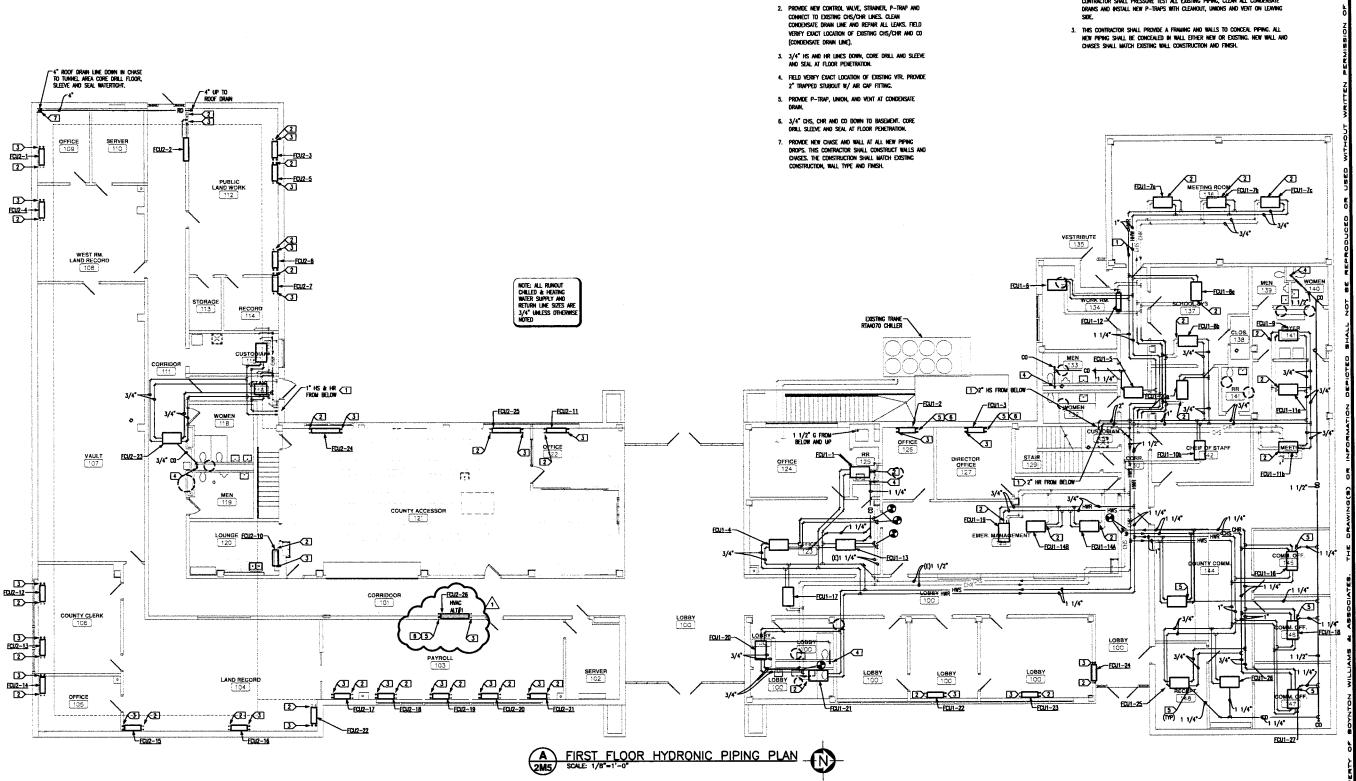


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EL RENO, OKLAHOMA 73036

Revisions 5/5/16 ADDENDUM 1

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N16001



KEYED NOTES: ID

SLEEVE AND FIRE SEAL HS AND HR (HEATING WATER SUPPLY AND HEATING WATER RETURN) LINES AT RATED WALL PENETRATION AND ALL FLOOR PENETRATIONS.

GENERAL PIPING NOTES:

All fan Existing Coil Units Shall be Replaced with New Fan Coil Units. Contractor Shall pressure Test all Existing Piping, Clean all Condensate Drams and install New P—Traps with Cleanout, Unions and Vent on Leaning



NA

ARCHITECTURE

405-329-0423 FAX 405-364-1439 A Professional Corporation Member: American Institute of Architects

NORMAN, OK 73072







Roof Replacement & HVAC Renovation CANADIAN COUNTY OFFICE BUILDING 201 N. CHOCKTAW AVE.
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Revisions 5/5/16 ADDENDUM

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K	UNIT	FAN DA											ER COL DATA		WATER	1004-5	Terror (1997)	I-U-I-I-III	CONTROL	1 4 5 5 5 1		HEATING WATE			WATER	EWT/LWT	PIPE	CONTROL	AIRPD	FINS PER INCH	-	WEIGHT	MANUFACTURER	
	CONFIGURATION	CFM	INCHES	GTY.	RPM	TYPE	MOTOR	HP	MCA	MOCP	WAYNU	COOLING EDB/EWB (F)	LORA WR (F)	SENSIBLE BTUH	FLOW	PD (FT)	(F)	PIPE SIZE	VALVE RE:NOTE 8		ROWS/CIRCUITS	EDB/LDG (F)	BTUH	FLOW	PDFT	(F)	SIZE (IN)	VALVE		ROWS/CIRCUIT		(L85)	MODEL	NOTE
EMENT UNITS		, O. III	INCHES		1.00				Linear	moo.		2002	1,000,000	100.0.0.0				17																1,2,3,
2-1, FCUB2-2, FCUB2-3	HORIZONTAL	185	0.13	1.0	905	DIRECT	1	1/8	2.8	15.0	115/1/	78.A/	55.47/	3590/	1.0	0.54	45/ 50 85	3/4	TWO	.1,	10	80/ 86.14	5040	GPM	0.40	140/	3/4	MODULATING	0.01	1/2	PLEATED	120	FCD604	5.66
32-4 & FCUB2-5	CABINET EXPOSED	1	L		L	# 750 AV			I		115/1/	81.2	54.31	3690 6080/	(GPM)	X.00	59.55	24	POSITION	 ,	3/2	80.14 A/V	8790	0.70	108	140/	3/4	3 WAY	0.01*	10	1 12	150	TRANE	12,3
82-8, FCUB2-7, UB2-8	HORIZONTAL CABINET EXPOSED	330	0.13	1.0	943	DIRECT	1	1/4	3.9	15.0	115/1/	81.3	59:15/ 54.83	8080	(GPM)	U.40	57.37		POSITION	"	3/2	85.51	"""	GPM	l l	104.75		MODULATING		1/2	PLEATED		FCOB06	5,64
	G-Direct Ext Gold	 	 				t	\vdash			~			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(5),								П											
FLOOR NORTH WING UP	eTS	ــــــــــــــــــــــــــــــــــــــ	L	L	<u> </u>	L	ــــــــــــــــــــــــــــــــــــــ	Ь					L			L				1														
1, FCU1-21	HORIZONTAL	525	0.40	1.0	1492	DIRECT	1 1	1/4	3.9	15.0	115/1/	79.1/	51.73/	12650/	3.5	3.6	45/	34	TWO	1	10	60/	13,590	1.5	3.53	140/ 112.77	3/4	MODULATING	0.01"	10	PLEATED	132	FCCB06	1,2,3,4
1-15	CABINET CONCEALED	1	L		1		1	L			60	61.2	50.33	12850	(GPM)	<u> </u>	53.76		POSITION	1	3/2	84.89		GPM 1.0	1 4 89 - 1	112.77	3/4	3 WAY	A 01*	1/2	FLEXIED	196	TRANE	123.
2 & FCU1-3	VERTICAL CABINET EXPOSED	190	0.10	1.0	898	DIRECT	1	1/8	2.8	15.0	115/1/	78/ 61.4	50.48/ 49.73	5900/ 5450	2.5 (GPM)	6.4	45/ 51.00	3/4	TWO POSITION	.1-	3/2	89 2	6130	GPM	1.27	121.09	34	MODULATING	0.01	1/2	PLEATED		FC8804	5, 6 8
-4, FCU1-8a, FCU1-8b,	HORIZONTAL	120	0.35	1.0	1160	DIRECT	1 1	1/8	2.8	15.0	115/1/	84.3/	57.6E/	3170/	0.7	0.47	45/	3/4	TWO	1	10 3/2	80/	3610	0.50 GPM	0.33	140/	3/4	MODULATING	0.01*	10	PLEATED		TRANE FCCB03	1,2,3, 5,6 &
-13, FCU1-20 & FCU1-26	CABINET CONCEALED					B/DP AT					60	64.4 MA 97	55.49	3170 4620/	(GPM)	A 10	58.15 45/	34	POSITION		3/2	88.69 AfV	4790	0.50	0.34	140/	3/4	3 WAY	0.01*	10	70		TRANE	1,2,3,4
-10a, FCU1-10b, FCU1-16, -18 & FCU1-27	HORIZONTAL CABINET CONCEALED	190	0.35	1.0	1338	DIRECT	1 1	1/8	2.8	15.0	115/1/	84.97	81.84/ 85.74	4620	1.0 (GPM)	0.79	59 1/3	J 37	POSITION	1 ., 1	3/2	84.4	1 "" I	GPM	""	110 8/9	•	MODULATING		1/2	PLEATED		FCCB03	6,78
-6. FCU1-7a. FCU1-7b.	HORIZONTAL	420	0.35	1.0	1286	DIRECT	+	1/4	3.9	15.0	115/1/	81.2/	57,94/	10930/	2.5	1.7	48/	3/4	TWO	1.1	10	60/	12,070	1.5	3.53	140/	3/4	3 WAY	0.01*	10	T		TRANE	1,2,3,
7c & FCU1-17	CABINET CONCEALED						1		1		60	65.4	56.68	10370	(GPM)		56.13		POSITION	1	3/2	87.8		GPM		115.81		MODULATING		1/2	PLEATED		FCCB06 TRANE	1,2,3,4
5, FCU1-9, FCU1-14A,	HORIZONTAL	190	0.35	1.0	1336	DIRECT	1	1/8	2.8	15.0	115/1/	79/	54.4/	4710/	1.5	1.62	45/	3/4	TWO	.1"	10	80/ 87.59	5450	0.70 GPM	0.66	140/ 118 15	3/4	3 WAY MODULATING	0.01	1/2	PLEATED		FCCB03	6.74
-148 & FCU1-25 -11a & FCU1-11b	CABINET CONCEALED HORIZONTAL	260	0.35		1	DIRECT	 			4.	115/1/	60.3	50.78 57.88/	4710 6780/	(GPM)		54.77 45/	3//	TWO	10	10	67.39 60/	7004	0.70	0.81	140/	3/4	3 WAY	0.01*	10	1-	102	TRANE	1,2,3,
118 & FCU1-118	CABINET CONCEALED	260	0.35	1.0	1301	DIRECT	' '	1/6	2.6	15.0	113717	85.2	56.54	6320	(GPM)	1.54	58.8		POSITION	1 "	3/2	85.9		GPM	ł * I	111.79		MODULATING		1/2	PLEATED		FCCB04	5,64
12 & FCU1-24	VERTICAL	448	0.10	1.0	1108	DIRECT	1 1	1/4	3.9	15.0	115/1/	78/	52.97/	11,830/	3.5	4.9	45/	1	TWO	1-1-	10	60/	12,510	1.5	3.5	140/	3/4	3 WAY	0.01*	10			TRANE FCHB06	1,2,3,
	CABINET RECESSED			1					L		60	61.3	51.62	11630	(GPM)		51.77	<u> </u>	POSITION		3/2	86.95	L	GPM 0.76	I	114.93 140/		MODULATING 3 WAY	0.01*	1/2	PLEATED	-180	TRANE	12.3
19	HORIZONTAL	330	0.13	1.0	943	DIRECT	1 1	1/4	3.9	15.0	115/1/	76.7/ 81.3	59.15/	8060/ 8080	(GPM)	0.48	45/ 57.37	3/4	3 WAY MODULATING	1 .7	3/2	85.61	8790	GPM	1.06	104.75	344	MODULATING	0.01	1/2	PLEATED	, ~~	FCD808	6,7
22	CABINET EXPOSED VERTICAL	448	0.10		1 1756	DIRECT	+		30	15.0	115/1/	61.3	52.83	11,630/	(GPM)	 	45/	-	TWO	10	10	80V	12.510	1.3	3.5	140/	3/4	3 WAY	0.01*	10	1.	155	TRANE	1,2,3,
-62	CABINET EXPOSED	770	0.10	1.0	1	Unite.C:	1	"		15.5	60	61.3	51.62	11630	(GPM)		51.77		POSITION		3/2	86.95		GPM	l	114.93		MODULATING		1/2	PLEATED	L.,	FCBB06	5, 6 4
-23	VERTICAL	550	0.10	1.0	1118	DIRECT	1	1/4	3.9	15.0	115/1/	77.5/	53/	14,160/	4.5	6.9	45/	7	TWO	1.7	10	60/	16,440	2.0 GPM	8.6	140/ 118,04	3/4	MODULATING	0.01*	1/2	PLEATED	164	TRANE FCBBOR	1,2,3, 5,6 (
	CABINET EXPOSED	-	 		┼	<u> </u>	-	-	-		60	61.5	51.63	13730	(GPM)	-	52.26		POSITION		3/2	58.86	 	GPM		718.94		MODOLATING		''2	FLEXIED	— —	r CDDAG	1
T FLOOR SOUTH WING U	170	1	L				1	L	1				L	<u> </u>		L	L	<u></u>		1	L		اـــــا				L		<u></u>	<u> </u>				L
-1, FCU2-3,	VERTICAL	190	0.10	178	T 696	DIRECT	T 1	1/8	1 28	15.0 L	115/1/	78/	56.25/	4280/	1.0	T 0.91	45/	3/4	TWO	1.5	10	60/	5130	0.50	0.40	140/	3/4	3 WAY	0.01"	10	1*	125	TRANE	1,2,3,
-5 & FCU2-6	CABINET EXPOSED			· · · ·	1						60	63	55.19	4260	(GPM)	L	57.97	1	POSITION		3/2	85.9	L	GPM	L	108.87		MODULATING	2.548	1/2	PLEATED	166	FC8804 TRANE	1,2,3,4
2.2, FCU2-4, FCU2-11	VERTICAL	345	0.13	1.0	943	DIRECT	T 1	1/4	3.9	15.0	115/1/	78/	54.11/	9630/	2.5	2.6	45/	3/4	POSITION	1	3/2	85 18	8990	0.5 GPM	1.1	140/	3/4	3 WAY MODULATING	0.01*	1/2	PLEATED		FCBB06	6.7
2-10, FCU2-15, FCU2-16 2-22, FCU2-24 & FCU2-25	CABINET EXPOSED	1	1	1		ĺ	1	I	1		60	63	53.06	8640	(GPM)		52 2/3		POSITION	1	3''2	65.10	I I	GFM	1	10-4	į.	modelskille	ļ		1	1 !		
12. FCU2-13. FCU2-14.	VERTICAL	190	0.10	10	RGR	DIRECT	+ -	1/8	2.8	15.0	115/1/	78/	50.48/	5600/	2.5	6.4	45/	3/4	TWO	1 .1-	10	60/	6130	1.0	1.27	140/	3/4	3 WAY	0.01	10	1	125	TRANE	1,2,3,
17, FCU2-18, FCU2-19,	CABINET EXPOSED	"	1		1		1 '	! "	1		60	81.4	49.73	5450	(GPM)		51.00		POSITION	l .	3/2	89.2	1 1	GPM	l i	121.09	1	MODULATING	l .	1/2	PLEATED	l	FC8804	6,74
-20 & FCU2-21								1	<u> </u>			L						L				1	3003	0.50	0.33	540/		3 WAY	0.01*	10		67	TRANE	1,2,3
-7	VERTICAL	100	0.10	1.0	779	DIRECT	1	1/8	2.8	15.0	115/1/	80/	58.31/ 54.2	2470/ 2470	(GPM)	0.5	55.07	3/4	POSITION	.,,	3/2	89.46	3003	GPM	0.33	121.61	-	MODULATING	0.51	1/2	PLEATED	ļ -"	FCBB02	5,6
4	CABINET EXPOSED HORIZONTAL	115	0.10	 	725	DIRECT	+	140	28	180	418/4/	87	55.81/	3010/	1.5	0.8	48/	3/4	TWO	- 1*	10	60/	3390	0.50	0.33	140/	3/4	3 WAY	0.01*	10	1"	150	TRANE	1,2,3
•	CABINET EXPOSED	1 ''"	¥	""	1]	1 '	1 ~~	1 -	""	60	63	53.51	301	(GPM)	1	54.08		POSITION	1	3/2	89.1	L	GPM	i	119.41		MODULATING		1/2	PLEATED	L	FCDB03	5.8
-9	HORIZONTAL	185	0.13	1.0	905	DIRECT	1	1/8	2.8	15.0	115/1/	78.4/	55.47/	3590/	1.0	0.54	45/	3/4	TWO	- 11*	10	80V 88.14	5040	0.50 GPM	0.40	140/	3/4	3 WAY MODULATING	0.01"	1/2	PLEATED	120	TRANE FCD804	1,2,3 5, 6
	CABINET EXPOSED	1	L	L	I		٠	I	1	!	60	61.2	54.31 57.68/	3590 6780/	(GPM) 1.5		59.65 45/	1	POSITION 3 WAY	+	3/2	80.14	7004	0.70	0.01	109.4	1 3/4	3 WAY	0.01*	10	17	102	TRANE	1,2,3,
23	HORIZONTAL CABINET CONCEALED	260	0.36	1.0	1301	DIRECT	1 1	1/8	2,8	15.0	115/1/	862 85.2	57.66/ 56.54	6780/ 6320	1,5 (GPM)	1.84	58.8	344	MODULATING	1 "	3/2	85.9	~~~	GPM	""	111.79	1 -	MODULATING	1	1/2	PLEATED	L	FCCB04	8,7
**	VERTICAL	448	9.10	1.0	1108	DIRECT	1 1	1 1/4	3.9	15.0	115/1/	787	52.97/	11,630/	3.5	4.9	45/	1	TWO	- 1"	10	60/	12,510	1.5	3.5	140/	3/4	TWO	0.01*	10	1	155	TRANE	1,2,3
1	CABINET RECESSED	1	L	L	1	L	1		1		60	61.3	51.62	11630	(GPM)	i	51.77		POSITION		3/2	86.95		GPM		114.93		POSITION	<u> </u>	1/2	PLEATED		FCHB06	1 0, 7
	1	1	1	I			l	1					1			1		l		1		1		l			l	1	1	l		L		L
1	1. CONTROLS TO BE PROV	MEN BUL	E-CARDE	CONTR	APTOB.			1	1			L		11							<u> </u>				•		•		•					

l ∧	3 EAN CONTROL OF THE PROPERTY OF THE ATTEMPT OF THE ACCESS.
	4. FAN COIL CONTROLS TO BE BACRIET AND FURNISHED AND CONNECTED TO NEW CONTROL SYSTEM.
	5. BUTER HOLLEN TO THE PROPERTY OF THE PROPERT
•	6. CONTRACTOR SHALL REFER TO PLANS, OUTSIDE AIR MAY BE AT THE RETURN DUCT OR ROOM.
	7. CAPACITY BASED ON WATER AS THE FLUID TYPE.
	8. FCU UNIT: FCU1-1, 1-78, 1-9, 1-19, 1-21, 1-24, 1-27, FCU2-4, 2-10, 2-12 AND 2-23 SHALL HAVE THREE WAY MODULATING CONTROL VALVE ON COOLING.

A	ir Ha	ndli	ng Ur	iit Sc	hedu	ile														-											
MA	K ISU	PPLY	FAN DATA	A						COOL	NG COIL C	PACITY DATA								HEATING		PACITY	DATA							MANUFACTURER	REMARKS
1	C	M I	TYPE	IE.S.P.	HP/	RPM	TOTAL	MOCP	VOLTAG	TOTAL	SENSIBL	BEAT.	LAT.	T CPM	FPD	E.W.T.	L.W.T.	FINSAN.	ROWS	TOTAL	EAT.	LAT.	GPM	FPD	E.W.T.	L.W.T.	FINS/IN.	ROWS	POUNDS	MODEL NO.	l l
	- 1	- 1			QTY	l	FLA		1	(MBH)	(MBH)	DB/WB	DB/WB	i i	FEET	i	ı	l		(MBH)		1 1		FEET				L		<u> </u>	
1	10-1 2.4	400 H	HOUSED	17	1.5/	1081	7.4	15 AMPS	208/3/60	66.96	66.96	78/60	51.42/	13.4	1.13	45	55	14	6	93.63	65	102.66	10.5	0.43	140	122.09	14	2	688		PROVIDE STAINLESS STEEL DRAIN PAN AND
1				ı	1		AMPS	1			ı	1	49.54	1		1		l	1	l	į .		i				L				ANGLED FILTER RACKS.
h-x	40-2 113	200	HOUSED	<u> </u>	1.5/	841	5,3	15 AMPS	208/3/60	26.83	26.83	78/60	56.7/	5.35	0.17	145	55	14	14	35,61	65	93.58	3	0.04	140	116.22	14	2	655.2		PROVIDE STAINLESS STEEL DRAIN PAN AND
1 "		[l "	1		AMPS						51.8			1		ı	ì	į	1	1 1			1		1	1		UCCAD06A0	ANGLED FILTER RACKS.

KARK	TYPE	SERVICE	FLOW (GPM)	HEAD (FT)	HP	RPM	VOLTAGE/ PHASE	PUMP EFF. (%)	PUMP WEIGHT	PUMP	MANUFACTURER MODEL	NOTES:	REMARKS
EXISTING	PUMPS SCHED	ULE AND NOTE	s						-				
XISTING	BASE MOUNTED END SUCTION	HEATING WATER	140	26	1 1/2	1750	208/3			2x2-1/2x78	341A	BE REMOVED	REPLACE WITH NEW PUMP
XISTING	BASE MOUNTED END SUCTION	HEATING WATER	140	26	1 1/2	1750	208/3			2x2+1/2x78	AURORA/ 341A	EXISTING PUMP TO BE REMOVED	REPLACE WITH NEW PUMP
EXISTING P-3	BASE MOUNTED END SUCTION	PRIMARY CHILLED WATER	140	50	5	1750	208/3			1510 2BC	BELL & GOSSETT/ 1510	REFER TO NOTES 3, 4, 5 & 6	THIS PUMP SHALL BE USED AS PRIMARY CHILLED WATER
COCATION OF													THIS PUMP HAS ALREADY BEEN REMOVED, PROVIDE NEW PUMP
XISTING 2-6	BASE MOUNTED END SUCTION	CHILLED WATER	240	100	10	1750	208/3]	2x3x11	AURORA/ 344A		AT THIS LOCATION
XISTING	BASE MOUNTED END SUCTION	CHILLED WATER	240	100	10	1750	208/3			2x3x11	AURORA/ 344A	EXISTING PUMP TO SE REMOVED	AT THIS LOCATION
NEW PUM	IPS SCHEDULE	AND NOTES											
P-1	BASE MOUNTED END SUCTION	HEATING WATER	68	65	3	1750	208/3	54	281 LBS	2.5x2x7.8	MODEL FI 2009	1, 2, 3, 4 & 6	INSTALL AT LOCATION OF EXIST P-1. PROVIDE VFD.
9.2	BASE MOUNTED END SUCTION	HEATING WATER	68	65	3	1750	208/3	54	281 LBS	2.5x2x7.8	MODEL FI 2009	1, 2, 3 & 4	INSTALL AT LOCATION OF EXIST P-2. PROVIDE VFO.
a ·	BASE MOUNTED END SUCTION	PRIMARY CHILLED WATER	140	50	5	1760	208/3	66	381 185	3×2.5×6.5	MODEL FI 2507	1.2.364	PROVIDE VFD
2-5	BASE MOUNTED END SUCTION	SECONDARY CHILLED WATER	140	65	5	1760	208/3	66	381 185	3x2.5x6.5	MODEL FI 2507	REFER TO NOTES	t
2-6	BASE MOUNTED END SUCTION	SECONDARY CHILLED WATER	140	85	5	1760	208/3	66	361 LBS	3×2.5×6.5	MODEL FI 2507	REFER TO NOTES	PROVIDE VFD
IOTES;	4. PERFORM LASER		OUT PUMP				ON OUTLET.						

MARK	GPM	PIPE	STRAINER	MAX P.D. FEET	SERVICE	MANUFACTURER *** MODEL		REMARKS
	140	SIZE	YES	PEEI	CHILLED	TACO	196	COVER WITH 34" THICK ELASTOMETRIC INSULTION.
AS-1	140	•	YES	3	WATER	4904AD-125	190	PROVIDE DRAIN VALVE AND AUTOMATIC AIR VENT.
AS-2	68	TO 4" FLANGE	YES	1.6	HEATING WATER	TACO/ 1904AD-125	80	COVER WITH 3/4" THICK ELASTOMETRIC INSULTION. PROVIDE DRAIN VALVE AND AUTOMATIC AIR VENT.

MARK	DESCRIPTION	MANUFACTURER MODEL	DAMPER	CORE	COLOR	MOUNT	REMARK
^	SUPPLY AIR DIFFUSER	TITUS TMS	OPPOSED BLADE	LOUVER	MATCH	CEILING	
В	RETURN AIR GRILLE	TITUS 365RL	OPPOSED BLADE	HORIZONTAL	MATCH CEILING	CEILINGWALL	
C	RELIEF AIR GRILLE	TITUS 355RL	OPPOSED BLADE	HORIZONTAL	OR CEILING	CEILINGWALL	
D	OUTSIDE AIR DIFFUSER	TITUS 300R	OPPOSED BLADE	DOUBLE	MATCH WALL OR CEILING	CEILINGWALL	

Chill	ed W	ater Buffer	Tank Sc	hedu	ile				
MARK	FLUID	DISCHARGE FLOW	CHANGE FLOW	CONN	MAX. P.D.	UNIT	MANUFACTURER		REMARKS
	GALLONS	RATE GPM	RATE GPW	SIZES	PSI.		MODEL	FLUID	
CST-1	500	272	140	4	2	4300 LBS	CEMLINE		PROVIDE FLANGED CONNECTIONS, INTERNA
					1 !	FULL	V500CWB		BAFFLE, 3/4" TOP VENT AND 1" DRAIN VALVE
		HALL BE CONSTRUC				VIII OF THE	ASME BOILER AND	PRESSURE VE	SSEL CODE.
		WITH 1" THICKNESS							
		E OPTIONAL OUTDO							
	4. CURRET	NT HALLWAY IS 39" C	PENING, CST-1 K	42" CON	ITRACTOR	SHALL INCR	EASE AND REPAIR I	IALL AND OPE	NING AS NECESSARY.

Ex	pansi	on Tan	k Sch	edule							
MARK	VOLUME (GAL)	ACCEPTANCE (GAL)	MAX TEMP (F)	VOLUME			PRE-CHARGE (pel)	FLUID		MANUFACTURER MODEL	REMARKS
ET-1	34	27	180	GALLON	50	45	15	WATER	130 LBS	BELL & GOSSETT B-130LA	VERTICAL BLADDER ASME RATED

Plu	mbing Fixture	Schedule						
MARK	FIXTURE	MANUFACTURER MODEL	SIZEMIOUNT	ROUGH- CW		DULE I WASTE	VENT	FITTINGS & REMARKS
P-1	EMERGENCY SHOWER W/ EYEWASH	BRADLEY S18314EW	WALL	1/2" & 1 1/4"	1/2	TO FD		WALL BRACKET, S19-2000 THERIMOSTATIC MIXING VALVE, SHUT-OFF VALVES, P-TRAP
P-2	HOSE	WOOODFORD	WALL	3/4*	-			MOUNT AT 38" ABOVE FINISH FLOOR, SECURE PIPING TO WALL, FIELD VERIFY THE EXACT LOCATION

Gly	col Ma	ke Ur	Unit So	hed	ıle								
MARKT	CAPACITY	TANK	TANK	CONN	PRESSURE	PUMP 0	ATA			UNIT	MANUFACTURER	· · · · · · · · · · · · · · · · · · ·	REMARKS
	(GPM@pei	SIZE	DIMENSIONS	SIZE	RANGE	MODEL	RPM	HP	8IZE	ELECTRICAL	MODEL	FLUID	
GF-I	10 at 30	55	58°H x 30°	3/4*NPT	3 to 30	3530	3600	1/2	1x1 1/4x6	115V/1PH/60	BELL & GOSSETT	PROPYLENE	PROVIDE 3/4" MAKE UP WATER LINE AND
- 1		GALLON			PSI	1	1 1		1	l	GMU-30	GLYCOL	NON THREADED WALL HYDRANT TO FILL TANK.
NOTES	1. SYSTEM S	HALL BE A	PACKAGED AL	TOMATIC	GLYCOL SO	UTION N	AAKE L	PUN	T WITH DIAP	HRAGM EXPA	NSION TANK, LOW	WATER CUTOFF	
	PRESSURE	SWITCH	STARTER, Y-ST	RAINER C	N DISCHARG	E, 0-60 P	SI PRE	SSUR	E GAUGE AN	D MODEL 3DX	C-1 VALVE.		

Dra	in Sche	dule			
MARK	TYPE	MANUFACTURE	MATERIAL	STRAINER MATERIAL	REMARKS
RO	ROOF DRAIN	WADE 3000-3-52-53	CAST IRON		PROVIDE DECK CLAMP, CAST IRON STRAINER.
		T			

Energy Recovery Ventila	MAU:T	MAU-2	
ARK ANUFACTURER	GREENHECK	GREENHECK	
ODEL	RVE-35-30P-30H-5	RVE-35-30P-30H-5	
NIT WEIGHT	2,495	2,495	
UPPLY FAN		14" PLENUM	
N SIZE (IN)TYPE RFLOW (CFM)	14" PLENUM 1200	14" PLENUM 1560	
OTAL STATIC PRESSURE (IN WG)	2,403	2,735	
KTERNAL STATIC PRESSURE (IN WG)	1.5	1.5	
OTOR HP OLTS/PHASE/HERTZ	208/3/60	208/3/60	
OLTS/PHASE/HERTZ XHAUST FAN	200/3/60	200/3/00	
AN SIZE (INVTYPE	14" PLENUM	14° PLENUM	
RFLOW (CFM) DTAL STATIC PRESSURE (IN WG)	1200	1560	
OTAL STATIC PRESSURE (IN WG)	1.778	2.054	
KTERNAL STATIC PRESSURE (IN WG)			
OLTS/PHASE/HERTZ	208/3/80	268/3/80	
EAT WHEEL, SUMMER			
UTSIDE AIR SUPPLY CFM/EXHAUST CFM	1200/1200	1560/1560 99.5/74	
UPPLY ENTERING AIR DBAWS (DEG. F)	89.5/74 81.4/65.7	99.5/74 82.4/66.2	
UPPLY LEAVING AIR OBWB (DEG. F) XHAUST ENTERING AIR DBWB (DEG. F)	75/62.38	75/62.38	
XHAUST LEAVING AIR DB/WB (DEG. F)	93.1/72.2	92.1/71.8	
HEEL EFFECTIVENESS	73.9	69.6	
EAT WHEEL, WINTER LITSIDE AIR SUPPLY CFMEXHAUST CFM	1200/1200	1560/1560	
(IDD(VENTEDING AID DRAMS (DEG E)	11.4/9	11.4/9	
UPPLY LEAVING AIR DRAWB (DEG. F) XHAUST ENTERING AIR DRAWB (DEG. F)	58.2/47	53.6/45.2	
XHAUST ENTERING AIR DBAWB (DEG. F)	72/52.85 27.2/24.7	72/52.85 29.8/27	
XHAUST LEAVING AIR DB/WB (DEG. F)	73.9	29.0/2/ 60.6	
ROST CONTROL (ELECTRIC PREHEATER)	4.1 KW	4.1 KW	
WRECT EXPANSION COOLING			
DOLING TOTAL MBH	59.1	81.8	
OOLING SENSIBLE MBH	41.5 61.4/85.7	47.7 62.4/68.2	
AT DBAWB (F) AT DBAWB (F)	49.5/48.8	54 2/53.3	
ER .	11.8	12.4	
AS HEAT			
YPE IPUT MBH/OUTPUY MBH	INDIRECT GAS	INDIRECT GAS	
EAVING AIR OB (DEG. F)	117.9	10250	
EMPERATURE RISE (DEG. F)	81.7	47.5	
URNACE CONTROL	4:1 MODULATING	4:1 MODULATING	
IOT GAS REHEAT		352	
APACITY (MBTUH) EAVING AIR DB (DEG. F)	32.1 74.3	75.1	
NUTDOOR AIR AND EXHAUST AIR FILTERS	14.3	70.1	
YPE	PLEATED	PLEATED	
FFICIENCY	35% (MERV 8)	35% (MERV 8)	
EPTH	- Z	2	
HIPPLY AIR FILTER VPE	PLEATED	PLEATED	
FFICIENCY	65% (MERV 11)	85% (MERV 11)	
EPTH	2	2	
INIT ELECTRICAL DATA	******	208/3/60	
OLTS/PHASE/HERTZ RNIMUM CIRCUIT AMPACITY (AMPS)	206/3/60	206/3/60	
MAX FUSE (AMPS)	50	50	
CCESSORIES AND NOTE	1 THRU 8	1 THRU 8	
IOTES JUNITS SHALL BE EQUIPPED WITH FACTORY I SYSTEM WITH BACNET INTERFACE. JUNITS SHALL HAVE ANGLED FALTER RACKS. ALL MOTORS LARGER THAN 1 HP TO BE PRE. JUNITS THAVE SHALLE POINT POWER. JUNITS TO HAVE SHALLE POINT POWER. JUNITS TO HAVE SHALLE POINT POWER. JUNITS TO HAVE SHALLE POINT POWER. JUNITS TO SPECIFICATIONS FOR ADDITION II	MIUM EFFICENCY.	PROGRAMMED CONTRO	DL.

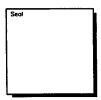


BOYNTON-WILLIAMS & ASSOCIA

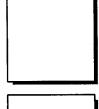
ARCHITECTURE PLANNING INTERIORS

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Roof Replacement & HVAC Renovation CANADIAN COUNTY OFFICE BUILDING 201 N. CHOKTAW AVE.
EL RENO, OKLAHOMA 73036
MECHANICAL
SCHEDULES

Revisions
5/5/16
ADDENDUM 1

03.29.16

Project No. N 1 600 1

FIRST FLOOR S	OUTH WING MECHANICAL EQUIPME	NT SCHEDULE											
CALLOUT	DESCRIPTION	VOLTS	HP	KVA	MCA	CIRCUIT	BREAKER	WIRE CALLOUT	DISCONNECT	DISCO PROV BY	DISCO INST BY	MOCP	NOTES
FCU2-1	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-13	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-2	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-11	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-3	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-11	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-4	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-13	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-5	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-11	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-6	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-9	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-7	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-9	30/1	3/4"C,1#10,#10N,#10G	FUSED	EC	€C	15	
FCU2-8	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-9	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-9	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-9	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-10	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-7	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-11	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-7	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-12	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-5	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-13	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-5	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-14	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-5	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	€C	15	
FCU2-15	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-3	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-16	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-3	30/1	3/4"C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-17	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-1	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-18	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-1	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	£C	15	
FCU2-19	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-1	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-20	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-1	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-21	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-1	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-22	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-3	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-23	FAN COIL	120V 1P 2W	1/8 HP	0.47	2.8	P-5	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-24	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-7	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-25_	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-7	30/1	3/4°C,1#10,#10N,#10G	FUSED	EC	EC	15	
FCU2-26(1)	FAN COIL	120V 1P 2W	1/4 HP	0.7	3.9	P-21	15/1	3/4°C,1 12, 12N, 12G	FUSED	EC	EC	15)	$\overline{\mathbf{M}}$
MAU-2	MAKE UP AIR UNIT	208V 3P 3W	\top	10.4	36.1	P-15,17,19	50/3	3/4°C,348,#10G	NON-FUSED	EC	EC	50	Г

GENERAL NOTES:

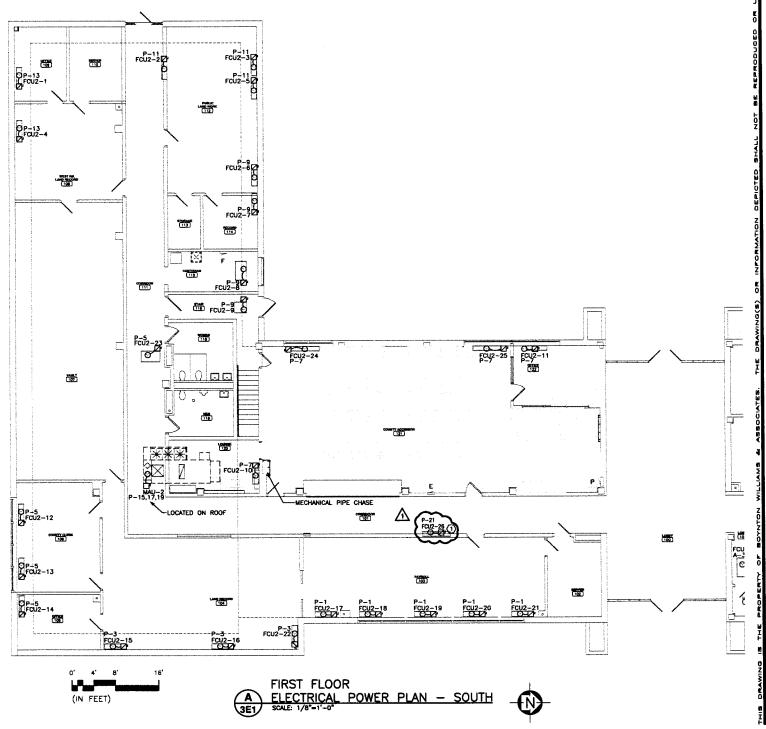
- 1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT. COORDINATE EXACT LOCATIONS OF CEILING MOUNTED DEVICES WITH LIGHTS, HAVE EQUIPMENT, AND OTHER DEVICES.

 2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES. SEE MECHANICAL PLANS FOR MORE DETAIL PROVIDE 120V POWER FOR ALL MOTORIZED DAMPERS. INTERLOCK WITH CORRESPONDING EXHAUST FAN, ALL INDOOR TAC UNITS ARE POWERED VIA OUTDOOR UNITS. PROVIDE DISCONNECT AND WIRING BETWEEN UNITS.

 3. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.
- ACIRCUIT LABELS CORRESPONDING TO EXISTING PANELS ARE FOR REFERENCE ONLY; CONTRACTOR TO VERIFY EXISTING CIRCUIT NUMBERS IN THE FIELD.

KEYED NOTES: ②

BID AS HVAC ALTERNATE #1.





ARCHITECTURE

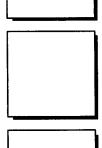
PLANNING INTERIORS

900 36TH AVE. N.W. SUITE 100 NORMAN, OK 73072 405-329-0423 FAX 405-364-1439

A Professional Corporation Member: American Institute of Architects







county office Building Roof Replac CANADIAN (201 N. CHOCKT EL RENO, OKLA

Revisions ADD-1 5/5/16

03.29.16

N16001

3E1



Canadian County Purchasing

Affidavit / Proof of Mailing

Date Issued:

April 18, 2016

Bid Number:

2016-#21

Closing Date:

May 16, 2016 at 9:30am

PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036

Opening Date:

May 16, 2016 at 9:30am

Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

~ AFFIDAVIT~

HVAC System / County Commissioners

State of Oklahoma) County of Canadian) §

I, Sherry Murray, Purchasing Agent, in and for said County and State, do hereby certify that the Addendum was sent to the following:

Adams Heat and Air

1101 NW 99th

Oklahoma City, OK 73114

Air Flow Technologies PO Box 851844

Yukon, OK 73085

All Hours Plumbing Services

PO Box 12726

Oklahoma City, OK 73157

Bailey Brothers PMG, HTG & A/C Inc

800 Industrial Drive Yukon, OK 73099-2833 Barry Sell Mechanical Tech.

3221 SW 18th Street Oklahoma City. OK 73108 Bid Clerk

govbids@bidclerk.com

Bid News

project@bidnews.com

Brewers Heat and Air

5956 NW 34th

Oklahoma City, OK 73122

Capital Service

12900 Tracy Drive

Oklahoma City, OK 73165

Cheka Group LLC

1042 SE 25th Street

Oklahoma City, OK 73129

Central Mechanical Services Inc

1887 State Highway 92

Chickasha, OK 73018-7001

Central Mechanical Services Inc

2605 S Purdue

Oklahoma City, OK 73128

Central Oklahoma Winnelson

PO Box 2052

Oklahoma City, OK 73101

Central State Thermo King Inc 1401 Enterprise Avenue

PO Box 270543

Oklahoma City, OK 73127

Comfort Air 4917 SW 7th

Oklahoma City, OK 73128

Crick Air & Heat

PO Box 107 Hinton, OK 73047 **Diversified Labor & Construction**

3523 N Star Road Stillwater, OK 74075 EDP Contract Services Attn: Mike Modarelli 12128 Briarlake Ct

Oklahoma City, OK 73170

ePlan

4115 South Providence, Suite 105

Columbia, MO 65203

Ezell's Refrigeration 418 W Wade Street El Reno, OK 73036

Francis Tuttle Vo-Tech Center Attn: Bid Assistant – Judy Robbins

12777 N Rockwell

Oklahoma City, OK 73142

Gatz Mechanical Inc

PO Box 936

El Reno, OK 73036

Gentry Service & Repair Inc 12004 Southfork Road

Mustang, OK 73064

Gibbens Heating & Air 1107 Sunset Drive

El Reno, OK 73036

Harrison-Orr Air Conditioning Inc jordand@harrisonorr.com

Higgins Plumbing 404 Cherryvale Road Edmond, OK 73103 Innovative Mechanical LLC dustin@innovativemechanicalokc.com david@innovativemechanical.com

Integrity Restoration Specialists LLC 11532 NW 5th Street Yukon, OK 73099 Johnson Controls Inc 4730 SW 20th Street Oklahoma City, OK 73128 Lieber Mechanical LLC glbaker@liebermech.com

Natkin 4730 SW 20th Street Oklahoma City, OK 73128 Online Data Services 3295 River Exchange Drive, Suite 213 Norcross, GA 30092 Patrick's George Plumbing 401 SE 59th Oklahoma City, OK 73129

Precision Plumbing Service PO Box 734 Piedmont, OK 73078

Rainbow Heat & Air Inc 501 Cedar Yukon, OK 73099 Reed Construction Data 30 Technology Pkwy South, Suite 100 Norcross, GA 30092

Ross Services LLC 11609 Footman's Court Yukon, OK 73099 Smith Plumbing 12333 SW 6th Street Yukon, OK 73099

Streets Inc 100 E Commerce Oklahoma City, OK 73129

TA Miller Plumbing 2111 North Linn Oklahoma City, OK 73107 Team Air 4001 North Walnut Oklahoma City, OK 73105 Tipton's Plumbing & Sewer 708 NW 5th Moore, OK 73160

Trane PO Box 845053 Dallas, TX 75284-5053 Trane 305 Hudiburg Circle Oklahoma City, OK 73108 Tuffcoat Inc 2896 Broce Drive Norman, OK 73072

Waggoners Mechanical Services LLC 1351 E Indian Hills Norman, OK 73071 West Central Heat & Air LLC 2616 Fields Road El Reno, OK 73036 Dodge Data & Analytics support@construction.com

Hardesty Team larr@hardestyteam.com

Automated Integrated chad@ai-sys.com

Witness my hand and seal this 5th day of May 2016.

Sherry Murray, Purchasing Agent (SEAL)