

ADDENDUM TO BID DOCUMENTS

SOLICITATION	ITB No. B-17	-144 Community Room AC	Replacement at	Police Department	
			06/15/17 at		
ADDENDUM No.	1	BID OPENING DATE	2:00 PM	TODAY'S DATE	6/7/2017

To All Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach this addendum to the documents in your possession and acknowledge receipt of this addendum in the space provided on the bid form.

Clarification:

1. The Bid Deadline & Submittal Information has been updated as follows (strikethrough indicates deleted language and underlined indicates added language):

Bid Deadline & Submittal Information

Attention: Procurement Manager, Brian K. O'Connor, Town of Davie, Purchasing, 6591 Orange Drive, Town of

Davie, FL 33314. Time: 2:00 PM

Date: Friday, June 9, 2017-Thursday, June 15, 2017

Location: Purchasing Division

Page Addition:

1. Exhibit "B"-Drawings and Warranty is hereby added and available within this addendum. Proposers shall use "Exhibit B" in their proposal package.

Reviewed by:

Bian A Romme

Purchasing Manager Purchasing Division Acknowledged by:

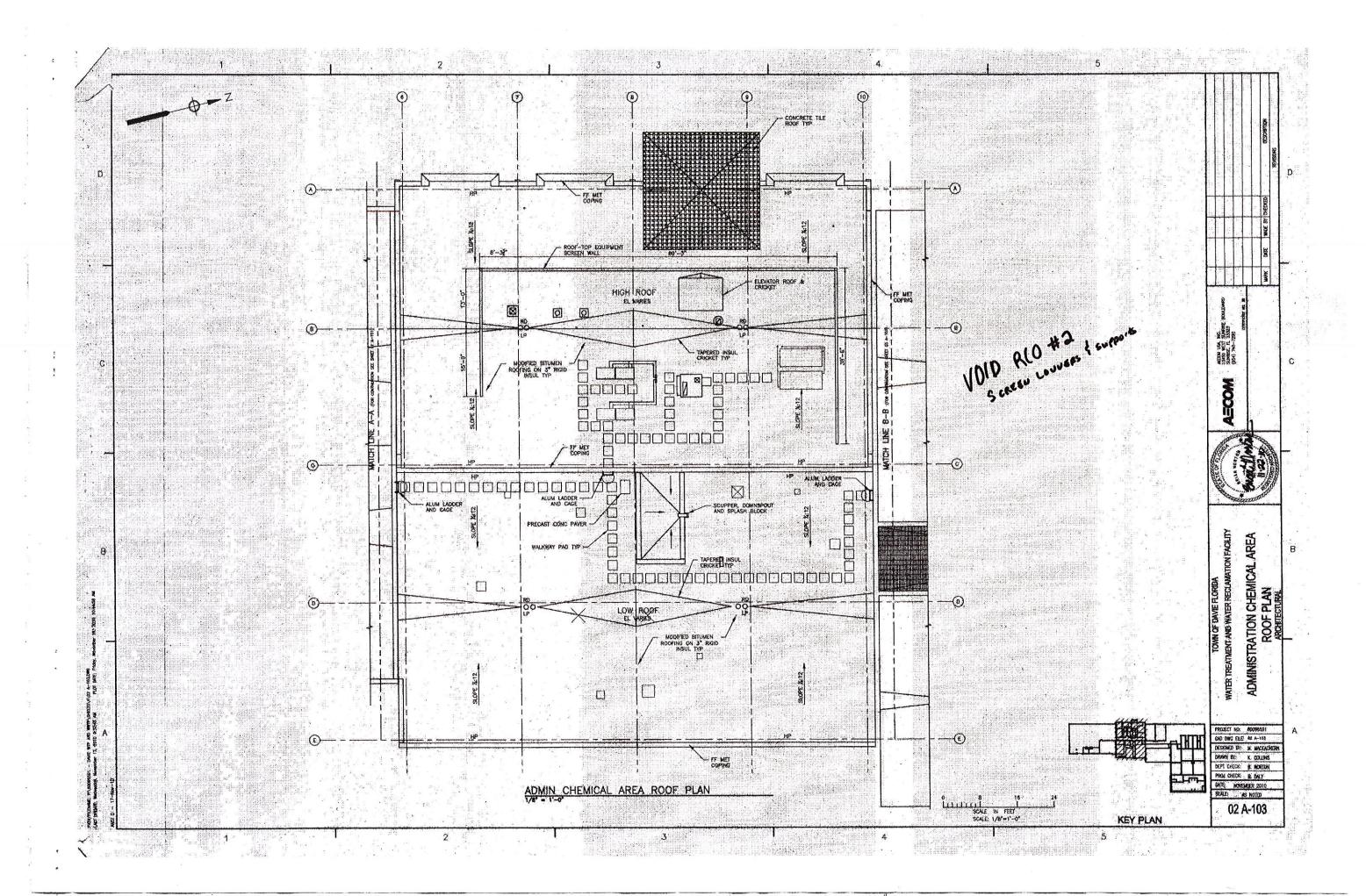
Contractor

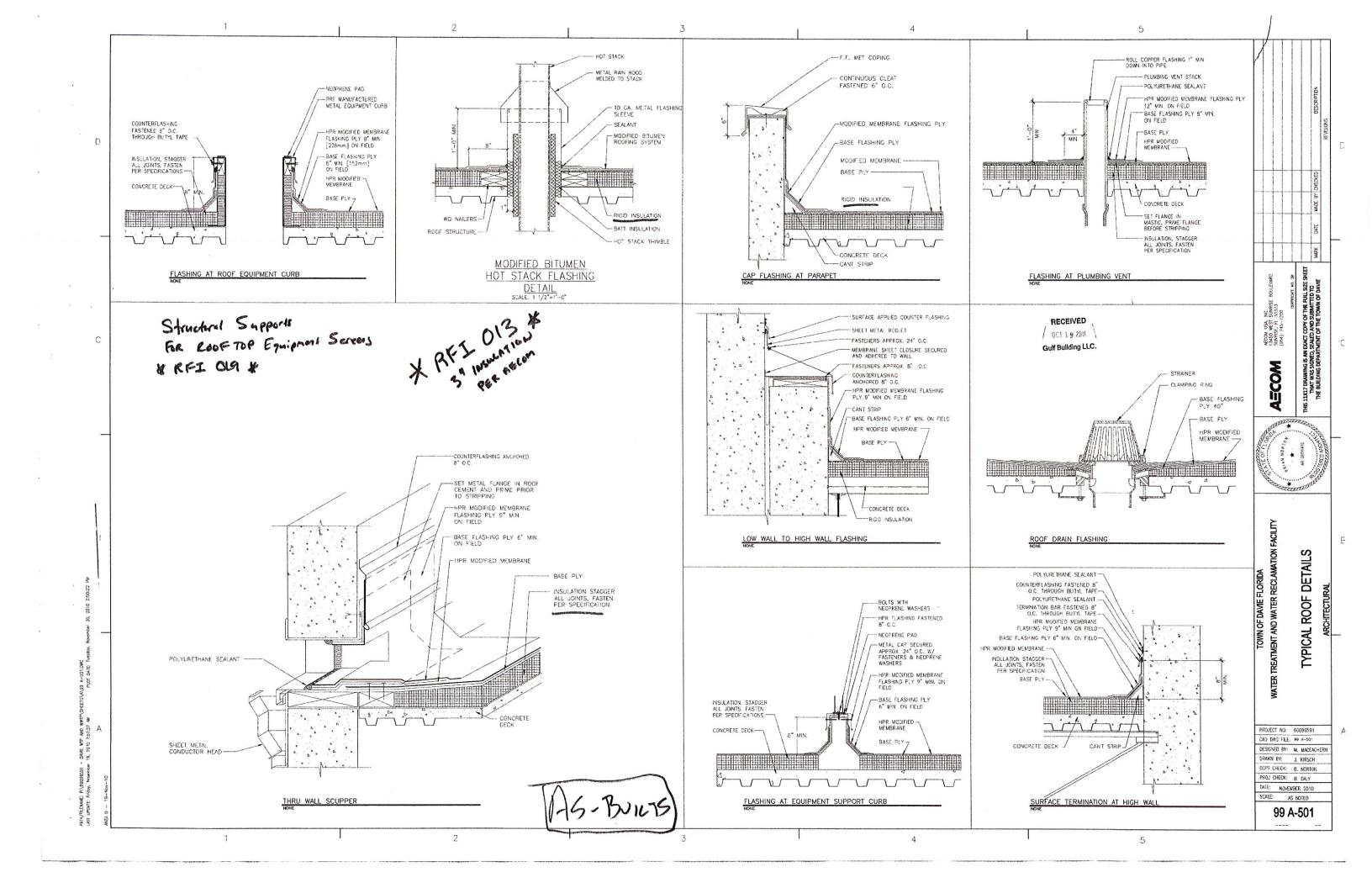
Authorized Representative (Printed)

Title

Signature

Date





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					AIR HANDLING	DATA							DX COOLIN								MAX FILTER	FILTER		TRICAL	SELECTION
ILDING	SERVES	TYPE	TOTAL	MIN OA	SP (IN WG)			FAN			NOMINAL	COOLING	(MBH)	EAT ('F)	LAT (F)	REFRIG.	COMP.	COND. FAN		MIN.	VOLTS	PH	BASED ON
			CFM	CFM	ESP	RPM	TYPE	DRIVE	MTR ENCL.	. HP	TONS	TOTAL	SENSIBLE	DB	WB	DB	WB	TYPE	NO. / RLA	NO. /HP	FT/MIN	EFFIC.			MFR / MODE
WATER	ELECTRICAL RM.	PACKAGE ROOFTOP/DOWNFLOW	8,000	250	0.75	744	FC	BELT	ODP	5	20 TONS	270	235	85.2	67.2	57.9	56.2	R-410A	2/ (20.4/ 12.7)	2 / 1 EA	350	30%	460	3	TRANE/ TFD241
WATER	ELECTRICAL RM.	PACKAGE ROOFTOP/DOWNFLOW	8,000	250	0.75	744	FC	BELT	ODP	5	20 TONS	270	235	85.2	67.2	57.9	56.2	R-410A	2/ (20.4/ 12.7)	2 / 1 EA	350	30%	460	3	TRANE/ TFD24
WATER	ELECTRICAL RM.	PACKAGE ROOFTOP/DOWNFLOW	8,000	250	0.75	744	FC	BELT	ODP	5	20 TONS	270	235	85.2	67.2	57.9	56.2	R-410A	2/ (20.4/ 12.7)	2 / 1 EA	350	30%	460	3	TRANE/ TFD24
SUPPOPT ME	ED VOLTAGE ELECTRICAL RM	PACKAGE ROOFTOP/DOWNELOW	5,000	200	0.75	684	FC	BELT	ODP	3	12.5 TONS	156	141	85.2	67.2	59	57	R-410A	2/ (12.3/ 7.1)	2 / .5 EA	350	30%	460	3	TRANE/ TFD15
								BELT	ODP	5		270	235	85.2	67.2	57.9	56.2	R-410A	2/ (20.4/ 12.7)	2 / 1 EA	350	30%	460	3	TRANE/ TFD24
		PACKAGE ROOFTOP/DOWNFLOW	6,000	250	0.75	711	FC		ODP	3	15 TONS	194	174	85.2	67.2	58.3	56.7	R-410A	2/ (14.8/ 9.6)	2 / .5 EA	350	30%	460	3	TRANE/ TFD18
SERVICE P.S.	ELECTRICAL ROOM	PACKAGE ROOFTOP/DOWNFLOW	7,000	250	0.75	691	FC	BELT	ODP	5	17.5 TONS	220	200	85.2	67.2	58.7	57	R-410A	2/ (16.3/10.0)	2 / 1 EA	350	30%	460	3	TRANE/ TFD211
																			1 ((0.00)	1 (1 0011/0	750	709	460	3	TRANE/ THC-07
NA NA S S S S E	TER TER TER TUPPORT MI	TER ELECTRICAL RM. TER ELECTRICAL RM. TER ELECTRICAL RM. UPPORT MED VOLTAGE ELECTRICAL RM. UPPORT LOW VOLTAGE ELECTRICAL RM. UPPORT LOW VOLTAGE ELECTRICAL RM. RVICE P.S. ELECTRICAL ROOM	TER ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW TER ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW TER ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW UPPORT MED VOLTAGE ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW UPPORT LOW VOLTAGE ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW UPPORT LOW VOLTAGE ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW RVICE P.S. ELECTRICAL ROOM PACKAGE ROOFTOP/DOWNFLOW	TER ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW 8,000 TER ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW 8,000 TER ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW 8,000 TER ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW 5,000 UPPORT MED VOLTAGE ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW 8,000 UPPORT LOW VOLTAGE ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW 6,000 UPPORT LOW VOLTAGE ELECTRICAL RM. PACKAGE ROOFTOP/DOWNFLOW 6,000 RYICE P.S. 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DING SERVES TIFE TOTAL MINING SERVES TOTAL SERVES TOTAL	DING SERVES TIPE TOTAL MIN O SP (II NO) FOR TOTAL SENSIBLE DB WB DB WB TYPE NO. / RLA NO. / HP FT/MIN EFFIC.

1. ALL AIR CONDITIONING UNITS SHALL INCLUDE INTAKE HOOD, FILTER, COOLING COIL, FAN SECTION & ELECT. UNPOWERED CONVENIENCE OUTLET. PIPE CONDENSATE DRAINS TO NEAREST ROOF DRAIN,
2. ALL UNITS SHALL BE HIGH EFFICIENCY, DOWNFLOW CONFIGURATION WITH THROUGH THE BASE ELECTRICAL CONNECTIONS. 11—AC—1SHALL BE MOUNTED ON GRADE WITH SIDE DUCT CONNECTIONS.
3. ALL UNITS SHALL INCLUDE ROOM WALL MOUNTED THERMOSTAT & CONTROLS. UNITS SHALL INCLUDE MICROPROCESSOR BASED CONTROLS TO CONTROL AND MONITOR ALL UNIT FUNCTIONS.
4. ALL UNITS MUST BE APPROVED FOR INSTALLATION IN MIAMI DADE COUNTY. ALL CERTIFICATIONS MUST BE PROVIDED.

(*)			AIR HAI	NDLING	UNI	T S	CHEDU	JLE										
				17				AIR HA	NDLING E	ATA		ELECTRIC HE	ATING C	OIL	ELECTE	RICAL		SELECTION
BUILDING/AREA	SERVES	TYPE	CFM		SP (II	N WG)		The state of the s	SUPPLY	FAN			EAT	LAT	VOLTS	PH	FILTER	BASED ON
DOILD III O Y II I D I			TOTAL	MIN OA	ESP	TSP	DIAM. (IN) RPM	TYPE	MTR ENCL.	HP	KW	(°F)	(°F)			TYPE	MFR/ MODEL
ADMIN/ CHEMICAL	MAINTENANCE AREA	DRAW THRU - CONSTANT VOLUME	3,250	1,250	0.75	1.25	10	1580	FC	TEFC	3	12	59	70	460	3	ANGLE/ 30%	TRANE/ CLIMATE CHANGER CSIA006
	BUILDING/AREA ADMIN/ CHEMICAL			BUILDING/AREA SERVES TYPE CFM 'TOTAL	BUILDING/AREA SERVES TYPE CFM TOTAL MIN OA.	BUILDING/AREA SERVES TYPE CFM SP (I	BUILDING/AREA SERVES TYPE CFM SP (IN WG) TOTAL MIN OA ESP TSP	BUILDING/AREA SERVES TYPE CFM SP (IN WG) TOTAL MIN OA ESP TSP DIAM. (IN	BUILDING/AREA SERVES TYPE CFM SP (IN WG) TOTAL MIN OA ESP TSP DIAM. (IN) RPM	SERVES TYPE CFM SP (IN WG) SUPPLY	AIR HANDLING DATA	SERVES TYPE CFM SP (IN WG) SUPPLY FAN	BUILDING/AREA SERVES TYPE CFM SP (IN WG) SUPPLY FAN TOTAL MIN OA ESP TSP DIAM. (IN) RPM TYPE MTR ENCL. HP KW	BUILDING/AREA SERVES TYPE CFM SP (IN WG) SUPPLY FAN EAT NOTAL MIN OA ESP TSP DIAM (IN) RPM TYPE WTR ENCL HP KW (F)	BUILDING/AREA SERVES TYPE CFM SP (IN WG) SUPPLY FAN ELECTRIC HEATING COIL	SERVES TYPE	BUILDING/AREA SERVES TYPE	BUILDING/AREA SERVES TYPE CFM SP (IN WG) SUPPLY FAN ELECTRIC HEATING COIL ELECTRICAL BUILDING/AREA SERVES TYPE CFM SP (IN WG) SUPPLY FAN EAT LAT VOLTS PH FILTER TOTAL MIN OA ESP TSP DIAM. (IN) RPM TYPE MTR ENCL. HP KW ('F) ('F) (F) TYPE

1. 02CH-AHU-1 SHALL INCLUDE FILTER MIXING BOX WITH ANGLE FILTERS & DAMPERS, FINNED TUBULAR ELECTRIC HEATING COIL W/ SCR CONTROL, ACCESS AND FAN SECTIONS.

2. SELECT UNITS WITH FILTERS AT MID-LIFE.

					EXT	FAN		MIN. FAN		ELECTRICA	L DATA				SELECTION
TAG NO.	BUILDING/ AREA	SERVES	TYPE	CFM	STATIC (IN. W.G.)	RPM	1	DIAMETER (IN)	HP	MOTOR ENCLOSURE	VOLTS	PH	MAX SONES	SPEEDS	BASED ON MFR/ MODEL
EF-1 THRU 11	WATER	PROCESS	ROOF EXHAUST	10,000	0.4	645	BELT	30	3	TEFC	460	3	18	ONE	COOK/ 300 ACE-B
01-EF- 12	WATER	AMMONIUM HYDROXIDE	ROOF EXHAUST-UPBLAST	1,100	0.5	1319	BELT	12	1/2	TEFC	460	3	11	ONE	COOK/ 120 ACRU-B
01-EF-13	WATER	SULFURIC ACID	ROOF EXHAUST-UPBLAST	2,700	0.5	768	BELT	19.5	1/2	TEFC	460	3	10	ONE	COOK/ 195 ACRU-B
02CH-SF-1	ADMIN/ CHEMICAL	FLUORIDE	CENTRIFUGAL INLINE	1500	0.75	1426	BELT	13.5	1/2	TEFC	460	3	12	ONE	COOK/ 135-TCNB
02CH-EF-1	ADMIN/ CHEMICAL	FLUORIDE	ROOF EXHAUST-UPBLAST	1500	0.5	1226	BELT	13.5	1/2	TEFC	460	3	13	ONE	COOK/ 135 ACRU-B
02CH-EF-2	ADMIN/ CHEMICAL	GENERAL AREA-CONTINUOUS	ROOF EXHAUST-UPBLAST	3,150	0.5	832	BELT	19.5	3/4	TEFC	460	3	11	ONE	COOK/ 195 ACRU-B
02CH-EF-3	ADMIN/ CHEMICAL	GENERAL AREA	ROOF EXHAUST-UPBLAST	3,150	0.5	832	BELT	19.5	3/4	TEFC	460	3	11	ONE	COOK/ 195 ACRU-B
02CH-EF-4	ADMIN/ CHEMICAL	SODIUM HYPOCHLORITE-CONTIN.	ROOF EXHAUST-UPBLAST	3,000	0.6	848	BELT	19.5	3/4	TEFC	460	3	11	ONE	COOK/ 195 ACRU-B
02CH-EF-5	ADMIN/ CHEMICAL	CHEM. AREA CORRIDOR	ROOF EXHAUST	250	0.5	1669	BELT	10	1/4	ODP	115	1	11	ONE	COOK/ 70 ACE-B
02CH-EF-6	ADMIN/ CHEMICAL	MAINTENANCE- CONTINUOUS	ROOF EXHAUST	1,000	0.5	1250	BELT	12	1/4	TEFC	115	1	9	ONE	COOK/ 120 ACE-B
02CH-EF-7	ADMIN/ CHEMICAL	MAINTENANCE- SUPPLEMENTAL	ROOF EXHAUST	3,000	0.5	990	BELT	18	3/4	TEFC	460	3	13	ONE	COOK/ 180 ACE-B
02CH-EF-8	ADMIN/ CHEMICAL	SODIUM HYPOCHLORITE	ROOF EXHAUST	10,000	0.4	645	BELT	30	3	TEFC	460	3	18	TWO	COOK/ 300 ACE-B
D2CH-DF-1	ADMIN/ CHEMICAL	MAINTENANCE	DESTRATIFICATION	21,000		315	DIRECT	48	86 WATTS	-	115	1		ONE	LEADING EDGE 4820-3
02AD-DF-1	ADMINISTRATION	RECEPTION	DESTRATIFICATION	6,300 HIGH	0	225 HIGH	DIRECT	52	74 WATTS	ODP	115	1		THREE	HUNTER/ 25866
02AD-SF-1	ADMINISTRATION		INLINE CENTRIFUGAL	665	0.75		BELT	10	1/3	ODP	115	1	16	ONE	COOK/ 80 SQNB
02AD-SF-2	ADMINISTRATION	FUME HOOD WATER LAB	INLINE CENTRIFUGAL	665	0.75	_	BELT	10	1/3	ODP	115	1	16	ONE	COOK/ 80 SQNB
02AD-EF-1	ADMINISTRATION	FUME HOOD WASTEWATER LAB	LABORATORY ROOF EXHAUST	950	0.75	-	BELT	9	1	TEFC	460	3	30	ONE	GREENHECK/VEKTOR H SIZE 9, 7" NOZZLE
02AD-EF-2	ADMINISTRATION	FUME HOOD WATER LAB	LABORATORY ROOF EXHAUST	950	0.75	-	BELT	9	1	TEFC	460	3	30	ONE	GREENHECK/VEKTOR H SIZE 9, 7" NOZZLE
02AD-EF-3	ADMINISTRATION	MECHANICAL ROOM	ROOF EXHAUST	200	0.125	_	BELT	10	1/6	тЕ	115	1	6	ONE	COOK/ 70 ACE-B
02AD-KH-1	ADMINISTRATION	LUNCH ROOM - 1ST FLOOR	KITCHEN HOOD	100 HIGH	0.1	2700	DIRECT	_	240 WATTS	ODP	115	1	8	TWO	BROAN/ 52000
									ļ						
3-EF-1 THRU	6 MBR BLDG	MBR AREA	ROOF EXHAUST	10,000	0.4	645	BELT	30	3	TEFC	460	3	18	ONE	COOK/ 300 ACE-B
03-EF-7	MBR BLDG	GENERATOR ROOM	ROOF EXHAUST	4,000	0.4	791	BELT	21	3/4	ODP	460	3	12	ONE	COOK/ 210 ACE-B
03-TF-1 & 2	MBR BLDG	GALLERY	INLINE CENTRIFUGAL	400	0.5	1462	DIRECT	10	1/6	ODP	115	1	8	ONE	COOK/ 100 SQND
06-EF-1THRU 4		PUMP ROOM	ROOF EXHAUST	10,000	0.4	645	BELT	30	3	TEFC	460	3	18	ONE	COOK/ 300 ACE-B
			INLINE CENTRIFUGAL	2,300	0.6	1303	BELT	15	3/4	TEFC	460	3	16	ONE	COOK/ 150 SQN-B
07-SF-1	HEADWORKS BLDG		INLINE CENTRIFUGAL	8,000	0.5	853	BELT	24.5	2	TEFC	460	3	19	ONE	COOK/ 245 SQIB
07-SF-2	HEADWORKS BLDX		INLINE CENTRIFUGAL	6,000	0.5	884	BELT	22.5	1.5	EXPLOSIONPROOF		3	16	ONE	COOK/ 225 SQIB
07-SF-3 & 4			INUNE CENTRIFUGAL	8,000	0.75	731	BELT	27	3	EXPLOSIONPROOF		3	15	ONE	COOK/ 270 SQIB
07-SF-5	HEADWORKS BLDS		ROOF EXHAUST	2,300	0.6	1060		16.5	1/2	TEFC	460	3	12	ONE	COOK/ 165 ACE-B
07-EF-1	HEADWORKS BLDX			6,500	0.75	690	BELT	27	. 2	TEFC	460	3	13	ONE	COOK/ 270 ACE-B
07-EF-2	HEADWORKS BLD		ROOF EXHAUST	3,800	0.4	658	BELT	22.5	3/4	TEFC	460	3	9	ONE	COOK/ 225 ACE-B
07-EF-3	HEADWORKS BLD											1	1.		F CURB, EXTENDED LUBE LINES & TIE DOWN

							ą.				
			HOODS								\neg
TAG	SERVES	CFM	THROAT	HOOD AREA	DUCTED		MAX. FACE VELOCITY	MAX. THROAT VELOCITY	MAX P.D.	SELECTION BASED (ON ON
NO.			SIZE (IN X IN)	(FT2)			(FPM)		(IN WG)		ODEL
2CH-HD-1& 2	SODIUM HYPO	6,500	40X40	36.45	NO	SUPPLY	300	585	0.081		(40 GI
02CH-HD-3	MAINTENANCE	3,250	30X30	12.42	YES	SUPPLY	300	600	0.044	COOK/ 30)	k30 GI
OTES:	2. HOOD MUST B	E APPRO	RB & INSECT SC IVED FOR INSTALL LL BE FACTORY (IMAIM NI NOTTA				MUST BE PROVIDE	D.		ON ON ODEL 440 GI 430 GI

						ELE	CTRIC	CAL	MAX	SELECTION
TAG NO.	BUILDING	LOCATION	TYPE	CAPACITY (KW)	TEMP. RISE	VOLT	PH	ENCL	MTG HT (FT)	BASED ON MFR/ MODEL
02CH-EUH-1	ADMIN/CHEMICAL	CHEMICAL AREA	HORIZONTAL	10	40	480	3	TE	7	CHROMALOX/ HD3D-1000
02CH-EUH-2	ADMIN/CHEMICAL	CHEMICAL AREA	HORIZONTAL	7.5	37	480	3	TE	7	CHROMALOX/ HD3D-750
02CH-EUH-3	ADMIN/CHEMICAL	MAINTENANCE	HORIZONTAL	12.5	47	480	3	TE	8	CHROMALOX/ HVH-12-43-3

ALL UNIT HEATERS SHALL INCLUDE WALL MOUNTED INDUSTRIAL GRADE THERMOSTAT.
 ALL UNIT HEATERS SHALL BE UL LISTED. PROVIDE SWIVEL MOUNTING BRACKETS.

PROJECT NO: 60096591 CAD DWG FILE: 00 M-002 DESIGNED BY: A. CASAVANT DRAWN BY: B. SANTOSUOSSO DEPT CHECK: C. GALLIGAN PROJ CHECK: B. DALY DATE: 9/12/2013 SCALE: NONE 00 M-002

RECORD DRAWING
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AECOM TECHNICAL SERVICES 800 DOUGLAS ENTRANCE, 2nd FLOC CORAL GABLES, FLORIDA 33134 (305) 447—3583

AECOM

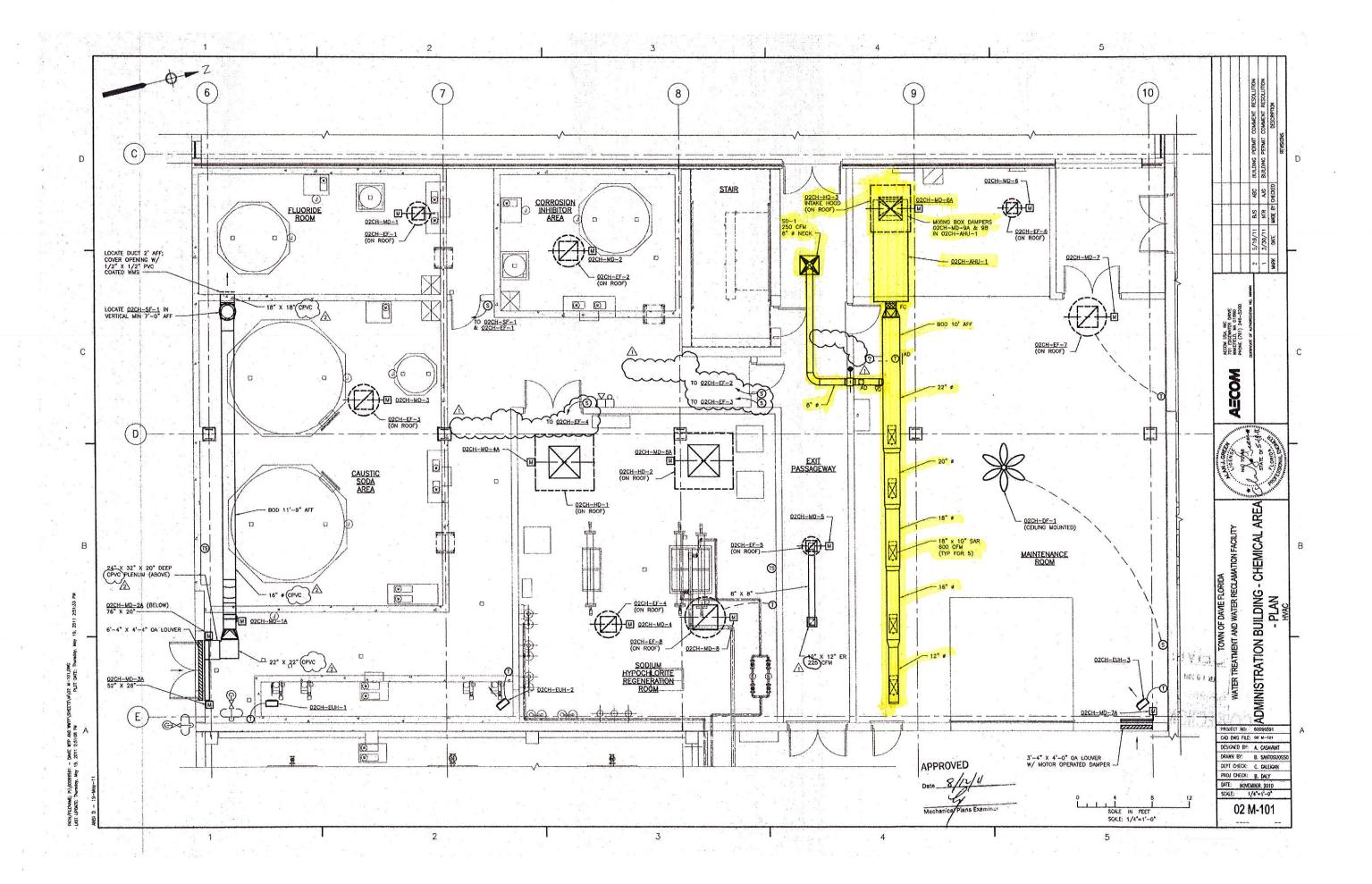
2

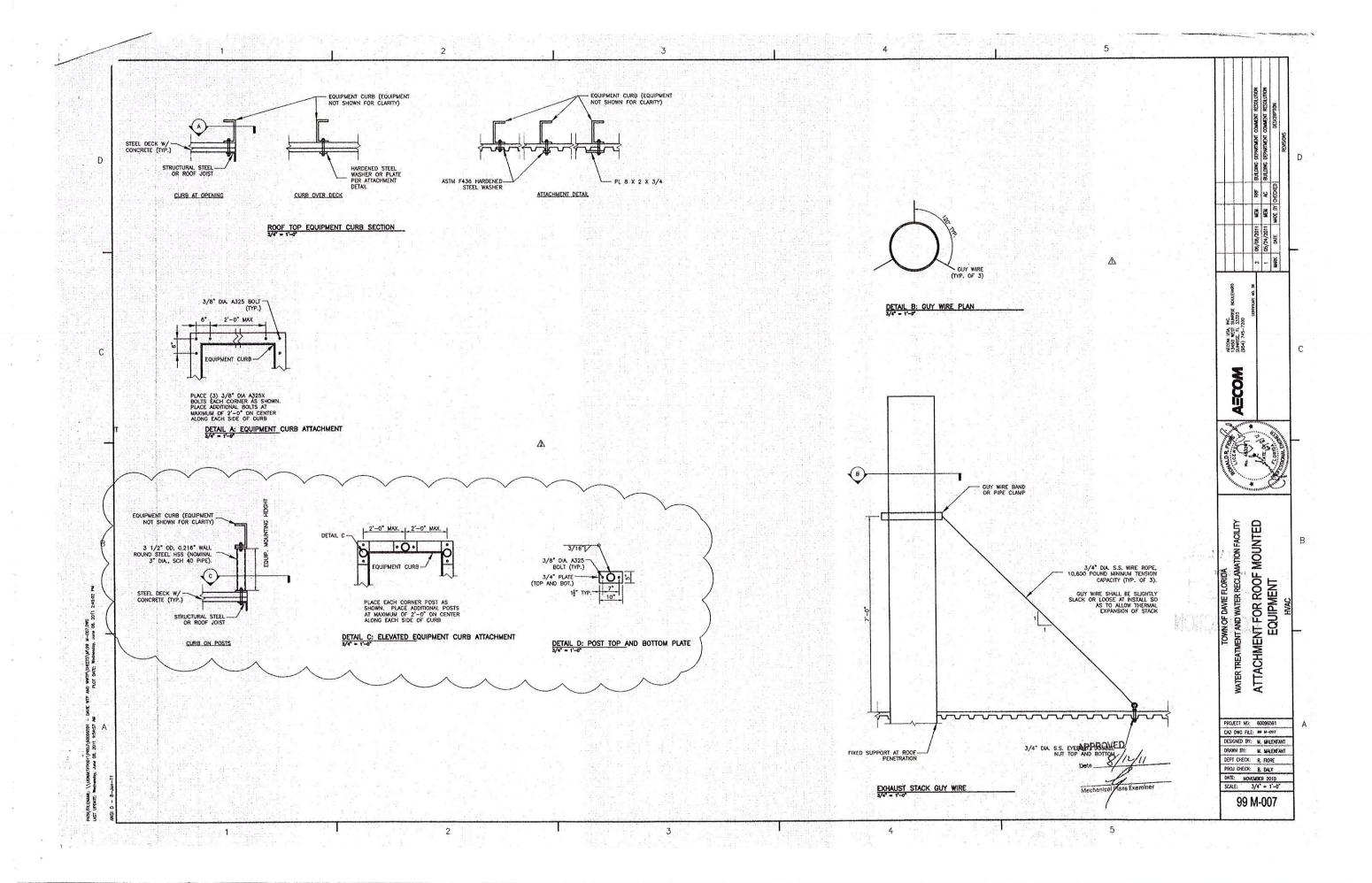
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D

C

В





					PRK CAA DES
[PPF] 5-3"C, 15-500 KCM, 5-4/0 AWG (G) [PPG] 6-3"C, 18-500 KCM, 6-250 KCM (G) [PPH] 7-3 1/2"C, 21-500 KCM, 7-350 KCM (G) [PPJ] 8-3 1/2"C, 24-500 KCM, 8-500 KCM (G) [PPK] 10-3 1/2"C, 30-500 KCM, 10-500 KCM 9G) [PPL] 11-3 1/2"C, 33-500 KCM, 11-500 KCM (G)	[090] 2°C, 90-14 AWG, 1-14 AWG (G) [D100] 2°C, 100-14 AWG. 1-14 AWG (G) [D110] 2°C, 110-14 AWG, 1-14 AWG (G) [D120] 2°C, 120-14 AWG, 1-14 AWG (G)		CONDUTTAG MY-PA TWO SETS, EACH 5°C, 3-500 KCM (16N7), 1-1 AWG (GND) MY-PB ONE SET, 5°C, 3-10 AWG (15N7), 1-4 AWG (GND) MY-PC ONE SET, 3°C, 3-2 AWG (15N7), 1-4 AWG (GND) MY-PC ONE SET, 3°C, 3-2 AWG (15N7), 1-6 AWG (GND) MY-PC ONE SET, 3°C, 3-2 AWG (15N7), 1-6 AWG (GND) ONE SET, 3°C, 3-2 AWG (15N7), 1-6 AWG (GND) ONE SET, 2°C, 1-2 AWG (15N7)	THEE CIRCUITS, FIGURE 310.60 DETAIL 2 ONE CIRCUIT, FIGURE 310.60 DETAIL 2 ONE CIRCUIT, FIGURE 310.60 DETAIL 1 ONE CIRCUIT, FIGURE 310.60 DETAIL 1 THREE CIRCUITS, FIGURE 310.60 DETAIL 2 SIXCHICUITS, FIGURE 310.60 DETAIL 2 ONE CIRCUIT, FIGURE 310.60 DETAIL 3 ONE CIRCUIT, FIGURE 310.60 DETAIL 3	AMPACITY 395 * 2 ~ 700 AMPS 215 AMPSET 165 AMPSET 115 AMPSET 115 AMPSET NA
[PPB] 3-3°C, 9-500 KCM, 3-2/0 AWG (G) [PPC] 3-3°C, 9-500 KCM, 3-3/0 AWG (G) [PPD] 4-3°C, 12-350 KCM, 4-3/0 AWG (G) [PPE] 4-3°C, 12-500 KCM, 4-4/0 AWG (G)	[050] 1 1/2°C, 50-14 AWG, 1-14 AWG (G) [060] 1 1/2°C, 60-14 AWG, 1-14 AWG (G) [070] 1 1/2°C, 70-14 AWG, 1-14 AWG (G) [080] 2°C, 80-14 AWG, 1-14 AWG (G)	[C-34] 1 1/2°C, 8-3/C∦16 SH.		E CABLE AND CONDUIT SCHEDULE NECTABLE 310/17 FOR THIREE SINGLE NURSLATED COPPER	AVIE FLORIDA
[PX] 2-3°C, 6-350 KCM, 2-1 AWG (G) [PY] 2-3°C, 6-500 KCM, 2-1/0 AWG (G) [PZ] 3-3°C, 9-350 KCM, 3-1/0 AWG (G) [PPA] 3-3°C, 9-350 KCM, 3-2/0 AWG (G)	[D30] 1°C, 30-14 AWG, 1-14 AWG (G) [D31] 1 1/2°C, 31-14 AWG, 1-14 AWG (G) [D32] 1 1/2°C, 32-14 AWG, 1-14 AWG (G) [D40] 1 1/2°C, 40-14 AWG, 1-14 AWG (G)	[C-30] 3°C, 30-TSP 16 AWG [C-31] 3°C, 31-TSP 16 AWG [C-32] 3°C, 32-TSP 16 AWG [C-33] 3°C, 33-TSP 16 AWG	[18] 2°C, 2-RG-6 QUAD SHIELD COAX		
[PT] 3°C, 3-500 KCM, 1-2 AWG (G) [PU] 2-2°C, 6-3/0 AWG, 2-2 AWG (G) [PV] 2-2°C, 6-4/0 AWG, 2-2 AWG (G) [PW] 2-2°C, 6-250 KCM, 2-2 AWG (G)	[D26] 1°C, 26-14 AWG, 1-14 AWG (G) [D27] 1°C, 27-14 AWG, 1-14 AWG (G) [D28] 1°C, 28-14 AWG, 1-14 AWG (G) [D29] 1°C, 29-14 AWG, 1-14 AWG (G)	[C-26] 3°C, 26-TSP 16 AWG [C-27] 3°C, 27-TSP 16 AWG [C-28] 3°C, 28-TSP 16 AWG [C-29] 3°C, 29-TSP 16 AWG	[T5-2] 2°C, ETHERNET CABLE [T6] 1 1/2°C, 4-1/0 AWG, 6 AWG (G) [T7] 3°C, 5 MSC		
[PQ] 2°C, 3-250 KCM, 1-4 AWG (G) [PR] 3°C, 3-350 KCM, 1-4 AWG (G) [PS] 3°C, 3-350 KCM, 1-2 AWG (G)	[D23] 1°C, 23-14 AWG, 1-14 AWG (G) [D24] 1°C, 24-14 AWG, 1-14 AWG (G) [D25] 1°C, 25-14 AWG, 1-14 AWG (G)	[C-23] 3°C, 23-TSP 16 AWG [C-24] 3°C, 24-TSP 16 AWG [C-25] 3°C, 25-TSP 16 AWG	[12] 3/4°C, 6-12 AWG, 12 AWG (G) [T3] 3/4°C, 2-10 AWG, 10 AWG (G) [T4] 2°C, MSC [T5] 1°C, ETHERNET CAT 5E CABLE		warming the state of the state
[PL] 1 1/2°C, 3-1/0 AWG, 1-6 AWG (G) [PL-4] 2°C, 4-1/0 AWG, 1-6 AWG (G) [PM] 1 1/2°C, 3-2/0 AWG, 1-6 AWG (G) [PN] 2°C, 3-3/0 AWG, 1-6 AWG (G) [PP] 2°C, 3-4/0 AWG, 1-4 AWG (G)	[D18] 3/4°C, 18-14 AWG, 1-14 AWG (G) [D19] 3/4°C, 19-14 AWG, 1-14 AWG (G) [D20] 3/4°C, 20-14 AWG, 1-14 AWG (G) [D21] 1°C, 21-14 AWG, 1-14 AWG (G) [D22] 1°C, 22-14 AWG, 1-14 AWG (G)	[C-18] 2 1/2°C, 18-TSP 16 AWG [C-19] 2 1/2°C, 19-TSP 16 AWG [C-20] 2 1/2°C, 20-TSP 16 AWG [C-21] 2 1/2°C, 21-TSP 16 AWG [C-22] 3°C, 22-TSP 16 AWG	[T1] 1°C, VENDOR CABLE		
[PH-4] 1 1/2°C, 4-2 AWG, 1-8 AWG (G) [PJ] 1 1/4°C, 3-1 AWG, 1-8 AWG (G) [PK] 1 1/2°C, 3-1 AWG, 1-6 AWG (G)	[D15] 3/4°C, 15-14 AWG, 1-14 AWG (G) [D16] 3/4°C, 16-14 AWG, 1-14 AWG (G) [D17] 3/4°C, 17-14 AWG, 1-14 AWG (G)	[C15] 2°C, 15-TSP 16 AWG [C16] 2 1/2°C, 16-TSP 16 AWG [C-17] 2 1/2°C, 17-TSP 16 AWG	[G10] 1 1/2°C, 1-4/0 AWG (G) [G11] 1 1/2°C, 1-250 KCM (G) [G12] 2°C, 1-350 KCM (G) [G13] 2°C, 1-500 KCM (G)		ACION TECHNOTIA
[PF] 1°C, 3-4 AWG, 1-10 AWG (G) [PF-4] 1 1/4°C, 4-4 AWG, 1-10 AWG (G) [PG] 1°C, 3-4 AWG, 1-8 AWG (G) [PH] 1 1/4°C, 3-2 AWG, 1-8 AWG (G)	[D11] 3/4°C, 11-14 AWG, 1-14 AWG (G) [D12] 3/4°C, 12-14 AWG, 1-14 AWG (G) [D13] 3/4°C, 13-14 AWG, 1-14 AWG (G) [D14] 3/4°C, 14-14 AWG, 1-14 AWG (G)	[C10] 2°C, 10-TSP 16 AWG [C12] 2°C, 12-TSP 16 AWG [C13] 2°C, 13-TSP 16 AWG [C14] 2°C, 14-TSP 16 AWG	[G7] 1°C, 1-1/0 AWG (G) [G8] 1°C, 1-2/0 AWG (G) [G9] 1 1/2°C, 1-3/0 AWG (G)		SERVICES
[PC-2] 3/4°C, 2-10 AWG, 1-10 AWG (G) [PC-4] 3/4°C, 4-10 AWG, 1-10 AWG (G) [PD] 3/4°C, 3-8 AWG, 1-10 AWG (G) [PE] 3/4°C, 3-6 AWG, 1-10 AWG (G)	[D7] 3/4°C, 7-14 AWG, 1-14 AWG (G) [D8] 3/4°C, 8-14 AWG, 1-14 AWG (G) [D9] 3/4°C, 9-14 AWG, 1-14 AWG (G) [D10] 3/4°C, 10-14 AWG, 1-14 AWG (G)	[C6] 1 1/2"C, 6-TSP 16 AWG [C7] 1 1/2"C, 7-TSP 16 AWG [C8] 1 1/2"C, 8-TSP 16 AWG [C9] 2"C, 9-TSP 16 AWG	[G3] 3/4°C, 1-8 AWG (G) [G4] 3/4°C, 1-6 AWG (G) [G5] 1°C, 1-4 AWG (G) [G6] 1°C, 1-2 AWG (G)		
[PA-4] 3/4°C, 4-12 AWG, 1-12 AWG (G) [PB] 3/4°C, 3-12 AWG, 1-12 AWG (G) [PC] 3/4°C, 3-10 AWG, 1-10 AWG (G) [PC-8] 1°C, 8-10 AWG, 1-10 AWG (G)	[D3] 3/4°C, 3-14 AWG, 1-14 AWG (G) [D4] 3/4°C, 4-14 AWG, 1-14 AWG (G) [D5] 3/4°C, 5-14 AWG, 1-14 AWG (G) [D6] 3/4°C, 6-14 AWG, 1-14 AWG (G)	[C2] 1°C, 2-TSP 16 AWG [C3] 1°C, 3-TSP 16 AWG [C4] 1 1/2°C, 4-TSP 16 AWG [C5] 1 1/2°C, 5-TSP 16 AWG	GROUNDING BUS BAR LOCATED IN THE ELECTRICAL ROOM UNLESS OTHERWISE INDICATED. INSTALL IN PVC CONDUIT. [G] 250KCM BARE, TINNED-COPPER [G1] 3/4°C, 1-12 AWG (G) [G2] 3/4°C, 1-10 AWG (G)		
CONDUIT AND WIRING SCHEDULE WIRING: [PA] 3/4°C, 2-12 AWG, 1-12 AWG (G)	<u>WIRING:</u> [D2] 3/4°C, 2-14 AWG, 1-14 AWG (G)	<u>WIRING:</u> [C1] 3/4*C, 1-TSP 16 AWG	WIRING: NOTE: ALL G SERIES WIRING SHALL BE CONNECTED TO		

		25.			AB.DP-1-	Á		400, 300		
PHASE A LOAD	37.0	KVA				-	VOLTAG	Ē		480V, 3PH, 3W, 60HZ
PHASE B LOAD	37.0	KVA	1 /		TION: BUILDING		MAIN	**********	****	400 A TRIP
PHASE C LOAD	37.0	KVA	*		ROOM		SHORT	KT BRAC	ING	65,000 AMPS
TOTAL LOAD	111.0	KVA			15		ENCLOS	URE		SURFACE MOUNTED
NOTE: PROVIDE SPD										
LOAD	.VA	TRIP	POLES	СКТ	PHASE	CKT	POLES	TRIP	VA	LOAD
ELEVATOR CONTROLLER	10,476	20	3	1	A B	2	3	90	27,950	45.0 KVA XFMR AB:LP-1-A
30.0 KVA XFMR AB,LP-2-A	22,270	60	3	3	B C	4	3	30	9,600	HEAT PUMP OUTDOOR UNIT 02-HPG-01-
SPARE		20	3	5	A B	6	3	30	9,600	HEAT PUMP OUTDOOR UNIT 02-HPO-01-2
SPARE		20	3	7	A B C	8	3	60	13,070	30.0 KVA XFMR AB.LP-3-A
ELECTRIC DUCT HEATER 02-EDH-1	6,310	20	3	9	A B C	10	3	20	6,310	ÉLECTRIC DUCT HEATER 02-EDH-2
FUME HOOD WASTEWATER LAB 02AD-EF-1	1,100	20	3	11	A B C	12	3	20	1,100	FUME HOOD WATER LAB 02AD-EF-2
ENERGY RECOVERY VENTILATOR 02 ERV-1	5,300	20	3	13	A B	14	3	20	1,700	SEWAGE EJECTOR PUMP SE-1 (1 HP)

Secure 2007	20,				AB.LP-2-	A				
PHASE A LOAD	8.2	KVA	Jan 3400 25 200				VOLTAG	E		208/120V, 3PH, 4W, 60HZ
PHASE B LOAD	6.5	KVA	,		ATION: BUILDING		MAIN			100 A TRIP
PHASE C LOAD	7.6	KVA			ROOM		SHORT	KT BRAC	ING	10,000 AMPS
TOTAL LOAD	22.3	KVA		2	15		ENCLOS	URE		SURFACE MOUNTED
NOTE: PROVIDE SPD		NAME OF TAXABLE PARTY.		ad an	E combant		i Armir			The state of the s
OAD	VA	TRIP	POLES	CKT	PHASE	CKT	POLES	TRIP	VA	LOAD
WASTEWATER LABORATORY 207 RECEP.	720	20	1	1	A.	2	1	20	720	WRF LABORATORY 207 RECEP.
WATER LABORATORY 206 RECEPTAÇUES	900	20	1	3	В	4	1	20	720	WATER LABORATORY 206 RECEPTACLES
OPERATORS OFFICE 205 RECEPTACLES	540	20	1	5	C	6	1	20	360	OPERATORS OFFICE 205 RECEPTACLES
LOBBY 202 RECEPTACLES	360	20	1	7	A	8	1	20	360	MECHANICAL ROOM 220 RECEPTACLES
MECHANICAL ROOM 220 RECEPTACLES	540	20	1	9	B	10	1	20	360	LOBBY 202 RECEPTACLES
CONTROL ROOM 208 RECEPTALES	900	20	1	11	C	12	1	20	720	CONTROL ROOM 208 RECEPTACLES
CORRIDOR 203 RECEPTACLES	720	20	1	13	Α.	14	1	20	360	WOMENS TOILET/SHOWER 209, 210 RECEP
WOMENS TOILET 200 RECEPTACLES	180	20	1	. 15	В	16	1	20	180	MENS TOILET 212 RECEPTACLES
MENS TOILET/SHOWER 212, 213 RECEP.	540	20	1	17	С	18	1	20	360	UTILITY ROOM 215 RECEPTACLES
UTILITY ROOMJAN CLO. 215, 214 RECEP.	360	20	1	19	A	20	1	20	360	RECORDS STOR/RECYL 218, 216 RECEP.
CORRIDOR 218 RECEPTACLES	360	20	1	21	В	22	1	20	. 360	LUNCH ROOM 219 RECEPTACLES
LUNCH ROOM 219 RECEPTACLES	540	20	1	23	C	24	1	20	360	LUNCH ROOM 219 RECEPTACLES
LUNCH ROOM REFRIGERATOR 219 RECEP.	150	20	1	25	A	26	1	20	1,500	LUNCH ROOM REFRIGERATOR 223 RECEP.
CORRIDOR 221 RECEPTACLES	540	20	1	27	В	28	1	20	750	SECURITY SYSTEM RECEPTACLE
CONTROL ROOM SECURITY COMPUTER RECP.	750	20	1	29	С	30	1	20	500	UTILITY ROOM COMM. CAGE RECEPTACLE
UTILITY ROOM COMM. CAGE RECEPTACLE	-500	20	1	31	A	32	1	20	500	UTILITY ROOM COMM, CAGE RECEPTACLE
UTILITY ROOM COMM. CAGE RECEPTACLE	500	20	. 1	33	В	34	1	20	500	CCTV MONITORING SYSTEM
WATER FOUNTAIN RECEPTACLES 221	1,000	50	1	35	C	36	1.	20	1,000	WATER FOUNTAIN RECEPTACLES 221
SECURITY SYSTEM MAIN CONTROLLER	1,000	20	1	37	Α.	- 38	1	20	600	SECURITY SYSTEM STATION NO. 2
SECURITY SYSTEM STATION NO. 1	600	20	1	39	В	40	1	20		SPARE
SPACE				41	C	42				SPACE

The second secon	200		F 2000 F		AB.LP-1-	A				
PHASE A LOAD	11.3	KVA	1				VOLTAG	Ē.		208/120V, 3PH, 4W, 60HZ
PHASE B LOAD	7.7	KVA	1 /		ATION: BUILDING		MAIN			150 A TRIP
PHASE C LOAD	9.0	KVA	1		Y ROOM		SHORT	KT BRAC	ING	10,000 AMPS
TOTAL LOAD	28.0	KVA	1	- 2	10		ENCLOS	URE		SURFACE MOUNTED
NOTE: PROVIDE SPD			h . in met				and the same	a dia dia ma		to the state of th
LOAD	VA	TRIP	POLES	CKT	PHASE	CKT	POLES	TRIP	VA	LOAD
WRF LABORATORY 207 LIGHTING	810	20	1	1	A	5	1	20	720	WATER LABORATORY 206 LIGHTING
OPERATORS OFFICE 205 LIGHTING	360	20	1	3	В	4	3	20	450	CORRIDOR 203 LIGHTING
LOBBY 202 LIGHTING	700	20	1	6	C	6	1	20	360	STAIR NO. 1 LIGHTING
MECHANICAL ROOM 220 LIGHTING	1,560	20	1 .	7	A	8	1	.20	1,080	CONTROL ROOM 208 LIGHTING
WOMENS SHOWER 210 LIGHTING	200	20	1	9	В	10	1.	20	360	WOMENS TOILET 209 LIGHTING
MENS SHOWER 213 LIGHTING	250	20	1	11	C	12	1	20	360	MENS TOILET 212 LIGHTING
UTILITY ROOM 216 LIGHTING	330	20	. 1	13		14	1	20	720	RECORDS STORAGE 217 LIGHTING
CORRIDOR 218 LIGHTING	180	20	1	15	В	16	1.	20	540	LUNCH ROOM 219 LIGHTING
CORRIDOR 221 LIGHTING	1,440	20	1.	17	C	18	1	20	100	DOMESTIC HOT WATER PUMP P-1
COLUMN HOT WATER LINEARCH BLALL	4,500	30	2	T	A	20	1	20	250	SOLAR HOT WATER CIRCULATION PUMP P-
DOMESTIC HOT WATER HEATER DWH-1	4,500	30	2	19	В	22	.1	20	1,000	MASTER RADIO PLC PANEL
MAIN 2-ATC PANEL	2,500	30	1	21	С	24	1	20	600	MAIN ETHERNET SWITCH
CCTV MAIN ETHERNET SWITCH	800	20	1	23	A	26	1:	20	1,000	OPERATER WORK STATION OWS 03 WRF
OPERATER WORK STATION OWS-02-WTP UPS	1,000	20	1,	25	В	28	1	20	100	EXTERIOR BUILDING MOUNTED LIGHTING
EXTERIOR SODIUM HYPO & BRINE SILO MOUNTED LIGHTING	100	20	1	27	c	30	t	20	500	LOCAL CARD ACCESS CONTROLLER DOOF 202A, 203A
LOCAL CARD ACCESS CONTROLLER DOOR 218A, 251A	500	20	. 1	29	A	32	1.	20	500	LOCAL CARD ACCESS CONTROLLER DOOF 251B, 272A
MASTER CARD ACCESS CONTROLLER	500	20	1	31	В	34	1	20	360	OUTSIDE BUILDING MOUNTED RECEPTACLES
OUTSIDE BUILDING MOUNTED RECEPTACLES	360	20	:1	33	С	38	1	20	500	FIRE ALARM CONTROL PANEL AB FACP-1
SECURITY CONTROL PANEL AB. SCP-1	500	20	1.1.	35	· A	38	1	20	500	FIRE ALARM ANNUCIATOR AB.FAA-1
ELEVATOR PIT RECEPTACLE	180	20	1	37	В	40	1	15	200	ELEVATOR CAR LIGHTING
ELEVATOR CONTROL CLOSET RECEPT.	180	20	1	39	C	42	1	20	1,000	CCTV MONITORING SYSTEM

					AB.LP-3-	Α.				
PHASE A LOAD	5.0	KVA	1				VOLTAG	E		208/120V, 3PH, 4W, 60HZ
PHASE B LOAD	4.4	KVA	,		ATION: BUILDING		MAIN			100 A TRIP
PHASE CLOAD	3.6	KVA			Y ROOM		SHORT	CKT BRAC	ING	10,000 AMPS
TOTAL LOAD	13.1	KVA			15		ENCLOS	URE		SURFACE MOUNTED
NOTE: PROVIDE SPD		31						*****		
LÓAĎ	VA	TRIP	POLES	CKT	PHASE	CKT	POLES	TRIP	VA	LOAD
HEAT PUMP INDOOR UNIT 02-HPI-1	433	20	2	1	В	2	2 !	20	358	HEAT PUMP INDOOR UNIT 02-HPI-2
HEAT PUMP INDOOR UNIT 02-HPI-3	327	20	2	3	C A	4	2	20	. 160	HEAT PUMP INDOOR UNIT 02-HPI-4
HEAT PUMP INDOOR UNIT 02-HPI-5	144	20	2	5	В	6	2	20	250	HEAT PUMP INDOOR UNIT 02-HPI-6
HEAT PUMP INDOOR UNIT 02-HPI-7	152	20	2	7	A B	8	2	20	160	HEAT PLIMP INDOOR UNIT 02-HPI-8
HEAT PUMP INDOOR UNIT 02-HPI-9	160	20	2	9	C	10	2	20	160	HEAT PUMP INDOOR UNIT 02-HPI-10
HEAT PUMP INDOOR UNIT 02-HPI-11	160	20	2	11	B	12	2	20	880	HEAT PUMP INDOOR UNIT 02-HPI-12
	1	1		1	A	14	1	20	36	FUME HOOD WASTEWATER LAB 02AD-SF-
HEAT PUMP INDOOR UNIT 02-HPI-13	880	20	2	13	В	16	1	20	36	FUME HOOD WATER LAB 02AD-SF-2
MECHANICAL ROOF 02AD-EF-3	36	20	1	15	C	18	1	20	240	LUNCH ROOM 1ST FLR 02AD-KH-1
PLUMBING FIXTURE DC TRANSFORMER	1000	20	1	17	Α	20	1	20	300	WATER BOOSTER PUMP P-1
ELECTRIC WALL HEATER 02 EWH-1	1,800	20	1	19	В	22	1	20	300	WATER BOOSTER PUMP P-2
SPARE		20	1	21	С	24	1	30	4500	novembolise striden verteen
SPARE		20	1	23	A	24	2	30	+500	DOMESTIC HOT WATER HEATER
SPARE		20	1	25	В	26	1	20	600	DOMESTIC HOT WATER HEATER CONTROLLER
SPACE			1	27	C	28				SPACE

AECOM ADMINISTRATION- PANEL SCHEDULES 2

2

3

TOWN OF DAVIE FLORIDA
WATER TREATMENT AND WATER RECLAMATION FACILITY

DEPT CHECK: Y. RIZK
PROJ CHECK: B. DALY
DATE: NOVEMBER 2010 SCALE: AS NOTED

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В

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4

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02 E-002

PROJECT NO: 60098591

CAD DWG FILE: 02 E-002

DESIGNED BY: C. NURPHY

ACCOM USA, INC. 13450 WEST STAMPSE BOULEVARD SUMPLSE, IL 33323 (854) 745—7200

AB.DP-1-B PHASE A LOAD
PHASE B LOAD
PHASE C LOAD
TOTAL LOAD 28.1 KVA 28.1 KVA 28.1 KVA 84.2 KVA VOLTAGE MAIN SHORT CKT BRACING 480V, 3PH, 3W, 60HZ 200 A TRIP 65,000 AMPS SURFACE MOUNTED NOTE: PROVIDE SPD VA TRIP POLES CKT PHASE CKT POLES TRIP VA LOAD LOAD B 14,270 18,600 30.0 KVA XFMR AB.LP-1-B A B C A B C 23,800 60 8,321 ELECTRIC DUCT HEATER 02-EDH-3 30.0 KVA XFMR AB.LP-3-B HEAT PUMP OUTDOOR UNIT 02-HPO-01 HEAT PUMP OUTDOOR UNIT 02-HPO-02-2 9,600 9,600 C A B 8 C A B 10 C A B 12 C A B 12 C A B 14 C SPARE SPACE SPACE

3

					AB.LP-2-	В				
PHASE A LOAD	6.3	KVA	1			-	VOLTAG	E		208/120V, 3PH, 4W, 60HZ
PHASE B LOAD	7.3	KVA	1,		ATION: BUILDING		MAIN			100 A TRIP
PHASE CLOAD	5.0	KVA	1		Y ROOM		SHORT	KT BRAC	ING	10,000 AMPS
TOTAL LOAD	18.6	KVA			69		ENCLOS	URE	-	SURFACE MOUNTED
NOTE: PROVIDE SPD	pat 1				. 7					
LOAD	VA	TRIP	POLES	CKT	PHASE	CKT	POLES	TRIP	. VA	LOAD
OFFICE 256 RECEPTACLES	720	20	1	1	A	2	1	20	720	OFFICE 256 RECEPTACLES
OFFICE 255 RECEPTACLES	360	20	1	3	В	4	1	20	360	OFFICE 256 RECEPTACLES
OFFICE 254 RECEPTACLES	540	20	1	5	C	6	1	20	540	OFFICE 256 RECEPTACLES
OFFICE 253 RECEPTACLES	360	20	1	7	A	8	1	20	360	OFFICE 256 RECEPTACLES
LOBBY 256 RECEPTACLES	640	20	1	9	В	10	1	20	380	LOBBY 258 RECEPTACLES
MULTI-PURPOSE ROOM 263 RECEPTACLES	540	20	1	11	C	12	1	20	640	MULTI-PURPOSE ROOM 263 RECEPTACLES
MULTI-PURPOSE ROOM 263 RECEPTACLES	900	20	1	13	A -	14	1	20	720	MULTI-PURPOSE ROOM 263 RECEPTACLES
CONFERENCE ROOM 257 RECEPTACLES	900	20	. 1	15	В	16	1	20	720	CONFERENCE ROOM 257 RECEPTACLES
CORRIDOR 251 RECEPTACLES	540	20	1	17	С	18	1	20	360	WOMENS TOILET/SHOWER 264, 265 RECEI
WOMENS TOILET/SHOWER 284, 266 RECEP.	380	20	1	19	A	20	1	20	180	MENS TOILET 286 RECEPTACLES
MENS TOILET/SHOWER 266, 267 RECEP.	540	20	1	21	В	22	1	20	360	UTILITY ROOM 269 RECEPTACLES
UTILITY ROOM 289 RECEPTACLES	360	20	1	23	C	24	1	20	180	JANITORS CLOSET 268 RECEPTACLES
RECORDS STORAGE 270 RECEPTACLES	180	20	1	25	A	28	1	20	180	RECORDS STORAGE 270 RECEPTACLES
LUNCH ROOM REFRIGERATOR 258 RECEP.	1,500	20	1	27	В.	28	1	20	180	LUNCH ROOM 258 RECEPTACLES
LUNCH ROOM 258 RECEPTACLES	180	20	1	29	C	30	1	20	180	LUNCH ROOM 258 RECEPTACLES
LUNCH ROOM 258 RECEPTACLES	360	20	1	31	A	32	1	20	360	LUNCH ROOM 258 RECEPTACLES
OFFICE 259 RECEPTACLES	540	20	1	33	В	34	1	20	360	OFFICE 259 RECEPTACLES
WORK ROOM 260 RECEPTACLES	540	20	1	35	С	36	1	20	540	WORK ROOM 260 RECEPTACLES
OFFICE 262 RECEPTACLES	.540	20	1	37	A	38	1	20	360	OFFICE 262 RECEPTACLES
CORRIDOR 251 RECEPTACLES	540	20	1	39	В	40	1	20		SPARE
SPARE		20	1	41	C.	42	1	20		SPARE

					AB.LP-1-	В					
PHASE A LOAD	5.6	KVA	T			VOLTAGE MAIN SHORT CKT BRACING			208/120V, 3PH, 4W, 60HZ 100 A TRIP		
PHASE B LOAD	4.5	KVA	LOCATION: ADMIN. BUILDING UTILITY ROOM 269								
PHASE C LOAD	4.5	KVA			10,000 AMPS						
TOTAL LOAD	14.3	KVA	1	2	99		ENCLOSURE			SURFACE MOUNTED	
NOTE: PROVIDE SPD		100									
LOAD	VA	TRIP	POLES	CKT	PHASE	CKT	POLES	TRIP	VA	LOAD	
OFFICE 256 LIGHTING	720	20	1	1	A	2	1	20	540	OFFICE 255 LIGHTING	
OFFICE 254 LIGHTING	540	20	1.	3	В	4	1	20 ,	380	OFFICE 253 LIGHTING	
RECEPTION 250 LIGHTING	300	20	1	5	C	6	1	20	1,200	MULTI-PURPOSE ROOM 263 LIGHTING	
MULTI-PURPOSE ROOM 263 LIGHTING	900	20	. 1	7	Α.	8	-1	20	360	CONFERENCE ROOM 257 LIGHTING	
CONFERENCE ROOM 257 LIGHTING	720	20	1	9	В	10	1	20	1,000	CORRIDOR 251 LIGHTING	
WOMENS SHOWER 265 LIGHTING	200	20	1	11	C	12	1	20	300	MENS SHOWER 267 LIGHTING	
WOMENS TOILET 264 LIGHTING	710	20	1	13	A	14	1	20	500	MENS TOILET 266 LIGHTING	
UTILITY ROOM 269, JANITORS 268 LIGHTING	300	20	1	15	В	16	1	20	360	RECORDS STORAGE 270 LIGHTING	
LUNCH ROOM 258 LIGHTING	540	20	1	17	C	18	1	20	360	OFFICE 259 LIGHTING	
WORK ROOM 260 LIGHTING	540	20	1	19	A	20	1.	20	360	OFFICE 262 LIGHTING	
FIRE ALARM CONTROL PANEL AB.FACP-2	500	20	1	21	В	22	1	20	240	RECEPTION 250 LIGHTING	
CONFERENCE ROOM 257 COVE LIGHTING	720	20	1	23	С	24	1	20	500	UTILITY ROOM 269 COMM, CAGE RECEPTACLES	
UTILITY ROOM 269 COMM. CAGE RECEPTACLES	500	20	1	25	A	26	1	20	500	UTILITY ROOM 269 COMM. CAGE RECEPTACLES	
UTILITY ROOM 269 COMM. CAGE RECEPTACLES	600	20	1	27	В	28	1	20		SPARE	
SPARE		20	1	29	С	30	1	20		SPARE	
SPARE	1 10	20	1	31	A	32				SPACE	
SPACE	1			33	. B	34	1			SPACE	
SPACE				35	С	36				SPACE	
SPACE				37	A	38				SPACE	
SPACE				39	В	40				SPACE	
SPACE			1	41	C	42				SPACE	

		110			AB.LP-3-	В				Approximate the second	
HASE A LOAD	3.1	KVA	LOCATION: ADMIN, BUILDING			VOLTAGE MAIN SHORT CKT BRACING			208/120V, 3PH, 4W, 60HZ		
PHASE B LOAD	2.9	KVA							100 A TRIP 10,000 AMPS		
PHASE C LOAD .	2.3	KVA	UTILITY ROOM								
TOTAL LOAD	8.3	KVA	1	2	69		ENCLOSURE			SURFACE MOUNTED	
NOTE: PROVIDE SPD			******	-							
DAD	VA	TRIP	POLES	CKT	PHASE	CKT	POLES	TRIP	VA	LOAD	
HEAT PUMP INDOOR UNIT 02-HPI-14	250	20	2	1.	A B	2	2	20	880	HEAT PUMP INDOOR UNIT 02-HPI-15	
HEAT PUMP INDOOR UNIT 02-HPI-18	250	20	2	3	C	4	2	20	160	HEAT PUMP INDOOR UNIT 02-HPI-17	
HEAT PUMP INDOOR UNIT 02-HPI-18	160	20	2	5	B	6	2	20	160	HEAT PUMP INDOOR UNIT 02-HPI-19	
HEAT PUMP INDOOR UNIT 02-HPI-20	2,080	20	2	7	B	8	2	20	880	HEAT PUMP INDOOR UNIT 02-HPI-21	
HEAT PUMP INDOOR UNIT 02-HPI-22	880	20	2	9.	C	10	2	20	160	HEAT PUMP INDOOR UNIT 02-HPI-23	
HEAT PUMP INDOOR UNIT 02-HPI-24	250	20	2	11	В	12	2	20	160	HEAT PUMP INDOOR UNIT 02-HPI-26	
HEAT PUMP INDOOR UNIT 02-HPI-26	152	20	2	13	A B	14	2	20	160	HEAT PUMP INDOOR UNIT 02-1891-27	
HEAT PUMP INDOOR UNIT 02-HPI-28	160	20	2	15	C	16	2	20	. 250	HEAT PUMP INDOOR UNIT 02-HPI-29	
RECEPTION DESTRATIFICATION 02AD-DF-1	90	20	1	17	В	18	1	20	240	02-AD-KH2	
DC PLUMBING TRANSFORMER	1,000	20 .	1	19	C	20	1	20		SPARE	
SPARE		20	. 1	21	A	22	1	20		SPARE	
SPARE		20	1	23	В	24	1. /- 1.	1241		SPACE	
SPACE	-			25	C	26				SPACE	

AECOM SUMMER BOUGHRD SUMMER N 3333 (944) 744-770 Gentore Ro. 39	MARK DATE MADE BY CHECKED
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C

ADMINISTRATION-PANEL SCHEDULES 3 TOWN OF DAVIE FLORIDA WATER TREATMENT AND WATER RECLAMATION FACILITY

PROJECT NO: 60096591

CAD DWG FILE: 02 E-003 DESIGNED BY: C. MURPHY DRAWN BY: M. STEWART DEPT CHECK: Y. RIZK PROJ CHECK: B. DALY DATE: HOVEMBER 2010
SCALE: AS NOTED

02 E-003

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SPACE

SPACE

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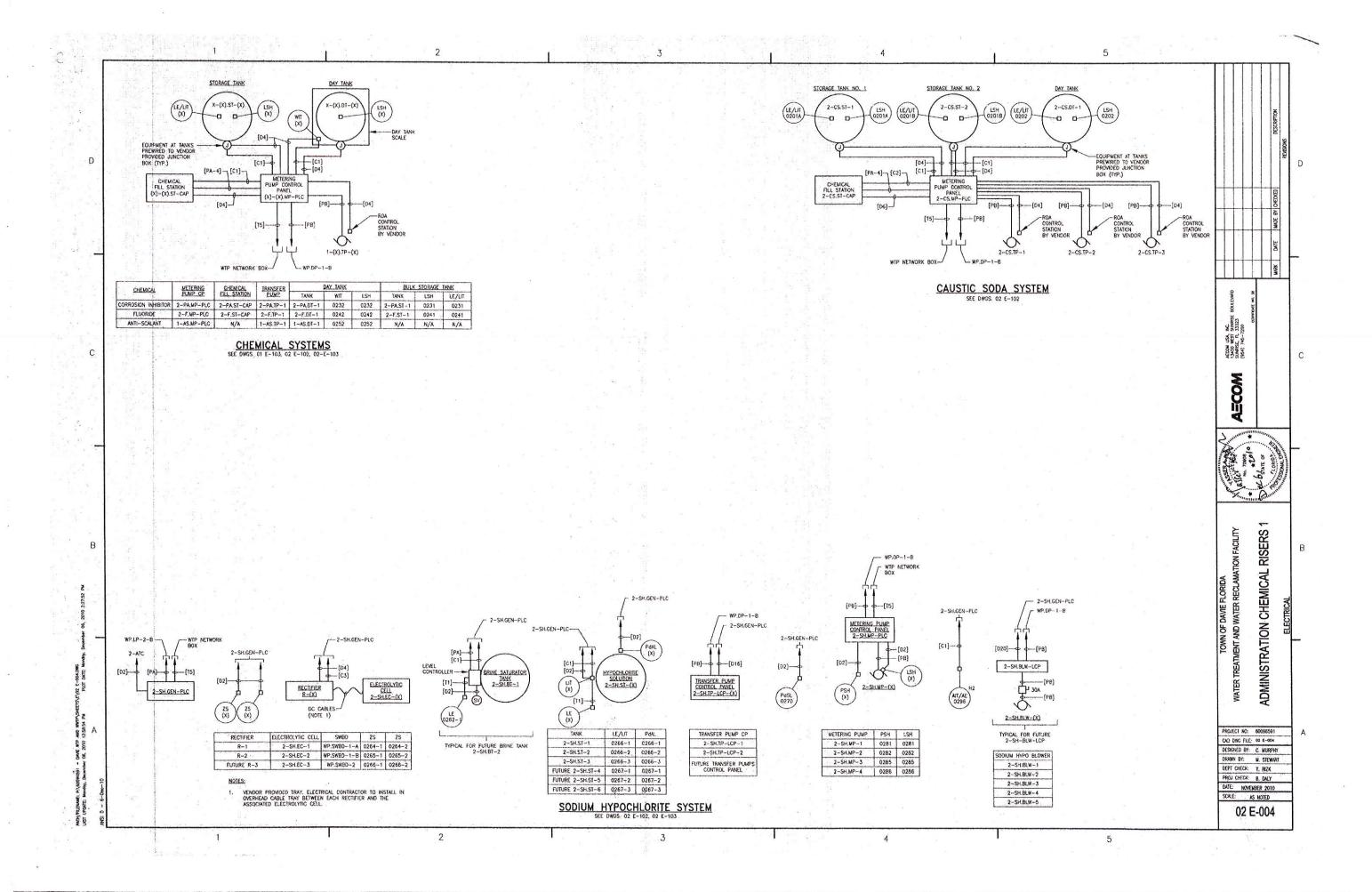
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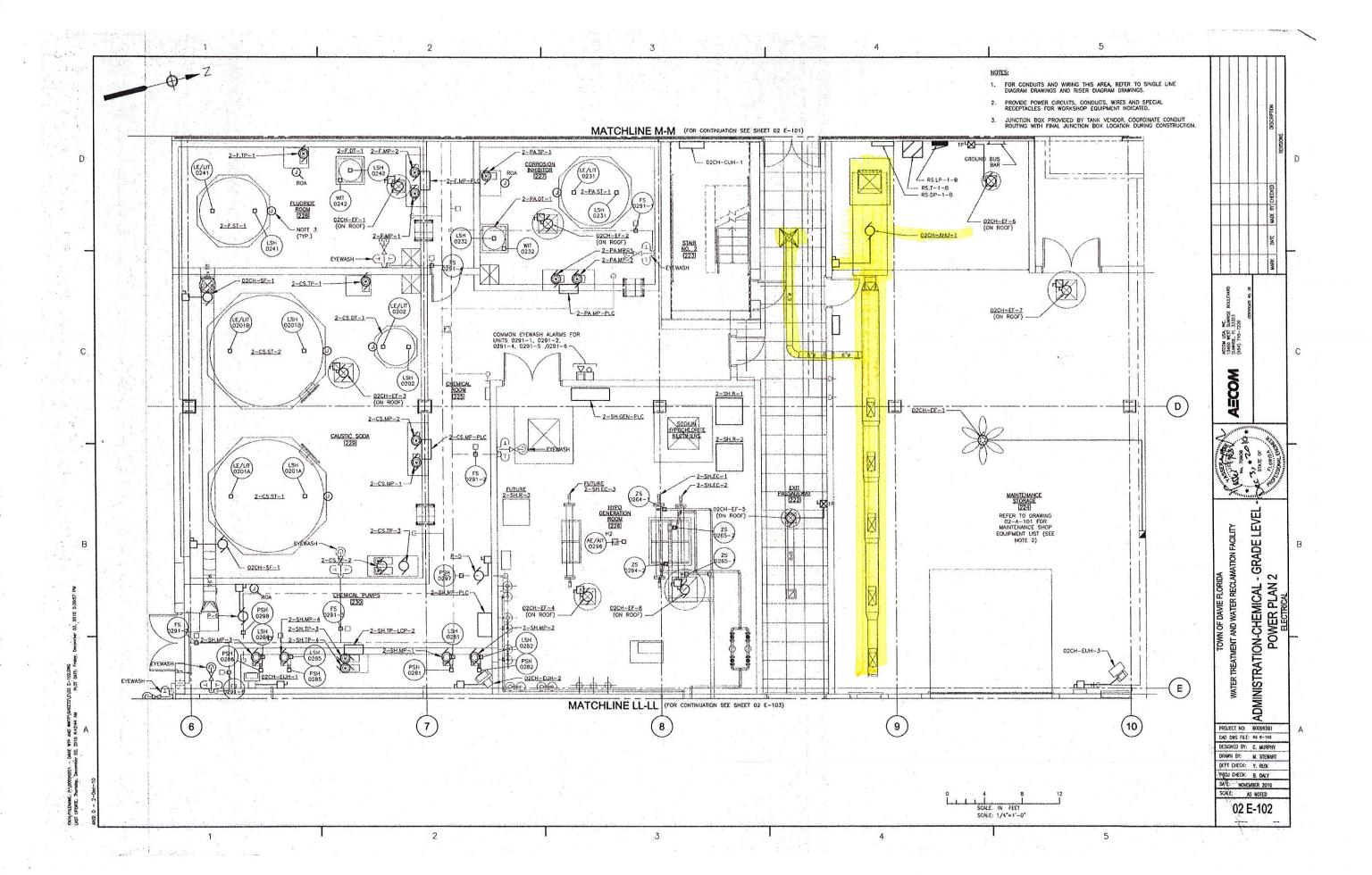
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SPACE







Warranty No.: 101-000000

Premium NDL Roof Warranty

Building Address: Davie Water Treatment Plant, Davie, FL

Substantial Completion Date: 00.00.2011 Length of Warranty: Twenty Five (25) Years

Authorized Roofer: Tecta America South Florida, 1431 S.W. 30th Ave., Deerfield Beach, FL

Soprema, Inc., an Ohio corporation, warrants to you that the membrane sold to you will not leak due to defects in factory workmanship or materials nor due to defective workmanship by the installing contractor. If Soprema determines that a valid warranty claim has been made, then Soprema will provide you, at Soprema's expense and as your sole and exclusive remedy, with the labor and material necessary to return the defective area to a watertight condition. This warranty is made subject to the terms, conditions and limitations set forth in this document.

THE WARRANTY EXPRESSED IN THIS DOCUMENT SUPERSEDES AND IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

In addition to the above, this warranty document includes all of the terms, conditions and limitations contained on the reverse side of this page and in the following documents: (1) Form 900 – Warranty Claim Procedure, (2) Form 901 – Roof Care and Maintenance Guide, and (3) any rider now or subsequently issued by Soprema. The riders issued at the time of issuance of this warranty, if any, are listed below. This warranty is not effective or binding against either party unless, within six months after the substantial completion date, it is signed by both parties. The only agents of Soprema authorized to sign this warranty, or any riders hereto, are its President, Vice President, General Manager, Secretary, and Treasurer.

Soprema, Inc.

Ву:	Specimen
	: Richard Voyer
Title:	Vice President/General Manage
	00.00.2011

AGREED TO BY:		
Owner's Name:	****	
By:		
By: Name:		
Title:		
Date:		

Terms, Conditions and Limitations

- The only components of your roof that are covered by this warranty are the membrane and membrane flashing products specifically identified on the face of this warranty.
 Accordingly, any reference in this warranty to the "roof" means only these components.
- All roof work must be performed by a roofing contractor who is authorized to offer a Soprema warranty (sometimes referred to in this warranty as an "authorized roofer" or some similar term). The authorized roofer who originally installed your roof is sometimes referred to in this warranty as the "installing contractor."
- 3. Warranty coverage starts on the substantial completion date set out on the face of this warranty and, subject to earlier termination, will continue for the specified length of time.
- 4. For purposes of this warranty, a "leak" means the admission of water into your building through an opening, separation or other similar defect in the roof and the term 'warranted leak' means a leak through the roof caused by defects in factory workmanship or materials or defective workmanship by the installing contractor. A warranted leak is not, for example, a leak caused by or resulting from: (a) the direct or indirect effect of lightning, explosion, flood, hail, windstorm having a 3-second gust speed greater than 73 m.p.h. (as recorded by the data collection point that reports to the National Weather Service (whether officiel or unofficial) located nearest to your building), earthquiske, hurricane, tornado, microburst, or other similar event; (b) a defect, settlement, movement, displacement, or structural failure in or of the surface over which the roof is applied (c) defects in or faulty or improper design, specification, construction or engineering of your building or the surface or material over which the roof is applied (d) defects in or faulty or improper design, specification, construction or engineering of your building or the surface or material over which the roof is applied (d) damage from lack of positive drainage; (g) damage from exposure to corrosive substances, for example, animal gueno, chlorofluorocarbons, solvents, gasoline, kerosene, turpentine, or other hydrocarbons, acids, alkalis, salt, oil, fat, grease, damaging exhausts, or residue from any of the foregoing; (h) damage from internal pressure conditions or condensation beneath the roof; (i) damage from fire cripter source of excessive heat; (j) damage from deliberate or negligent acts such as varidalism, terrorism, misuse, from excessive traffic over or storage of materials on the roof; (n) damage attributable to a change or changes in the usage of your building; (o) damage from structures on, through, or near the roof; (p) installations on or through the roof (q) damage attributable to repairs or modifications performed or materials
- This warranty does not become effective unless and until: (a) Soprema and any distributor from whom the Installing contractor purchased products have been paid in full for all labor, materials, and supplies provided for or in connection with your roof; (b) the installing contractor has been paid in full by you for the installation of the roof, and
 (c) Soprema has been paid the warranty charge relating to this warranty.
- Soprema does not have any obligation to repair any leak unless and until: (a) all of the conditions to the warranty becoming effective have been satisfied, (b) Soprema determines that the leak is a warranted leak, (c) Soprema receives the written notice of claim referred to in the claim procedure (Form 901) in a timely fashion; and (d) you
- 7. This warranty shall become null and void in the event of any of the following: any as-built condition exists on the roof that is not in compliance with Soprema's standard details and installation instructions (or other details accepted in writing by Soprema's Technical Department); any material change in the use (as described in the project registration form) of your roof or building after the substantial completion date; any subsequent work on or through the roof without Soprema's written approval of the methods and will not void the warranty as long as they are reported to Soprema in writing within ten days.
- 8. This warranty is transferable to any subsequent owner of your building once you satisfy all of the transfer requirements set out at www.soprema.us.
- Soprema's failure at any time or from time to time to enforce any of the terms, conditions, or limitations of this warranty shall not be construed to be a waiver of such provision(s) or any other term, condition or limitation hereof.
- 10. No suit or action whatsoever shall be brought against Soprema for the recovery of damages arising out of any claimed failure of the roof or for any breach of warranty unless, as a condition precedent thereto: (a) you have complied with all of the terms and conditions of this warranty applicable to you, and (b) the suit, action or proceeding is commenced within one (1) year after the cause of action accrues. The failure to satisfy either of these conditions precedent shall result in such claims being forever barred.
- 11. This warranty is governed by and shall be construed and enforced in accordance with the internal laws of Ohio, without giving effect to any choice of law rules that may require the application of the laws of another jurisdiction.
- 12. The terms of this warranty are severable so that any illegal, invalid or unenforceable provision, if feasible, shall be modified so that it becomes legal, valid and enforceable, or if not feasible, stricken, in either case without affecting the validity or enforceability of the remaining provisions.
- 13. The employees, agents, sales representatives, and distributors of Soprema are not authorized to make any modifications or additions to this warranty, except through a validly executed rider. Any proposed changes made by you or anyone else that is not documented in a validly issued rider is rejected by Soprema and is null and void. This warranty, together with any riders expressly made a part hereof, sets forth the entire agreement between the parties with respect to your roof assembly. Soprema disclaims, and you waive, any affirmation of fact or promise that may have been made by Soprema or any of its employees, agents, representatives, or distributors that is not expressly
- 14. The remedy set forth in this warranty is your SOLE AND EXCLUSIVE REMEDY against Soprema and Soprema's sole liability and obligation to you in the event the roof fails in whole or in part, regardless of whether you might otherwise be entitled to pursue a legal claim against Soprema, and regardless of the theory on which a claim might be based, including, without limitation, contract, tort, breach of warranty, strict and/or product liability, or misrepresentation.
- 15. IN NO EVENT SHALL SOPREMA BE LIABLE TO YOU FOR ANY INDIRECT, CONSEQUENTIAL, SPECIAL, INCIDENTAL, PUNITIVE OR OTHER SIMILAR DAMAGES, including, but not limited to, loss or reduction of profits, interruption of business, injury to or illness or death of persons, damage or loss caused by or attributable to indoor air your building, but not limited to, the presence or growth of mold, mildew or other similar substance in, on or about the roof assembly, walls, cellings or other surfaces in any of these types of damages.
- 16. Since Sopreme does not practice the professions of architecture or engineering, you agree that the review, inspection or approval, express or implied, by Soprema or its agents or representatives of the construction or condition of your existing roof, roof deck or building, or the drawings, plans or specifications for your new or replacement roof, by Soprema was gratuitous, solely for the benefit of Soprema in determining whether or not to issue this warranty, and did not and does not subject Soprema or any of its agents or representatives to any responsibility or liability, whether in contract, indemnity, warranty, tort (including negligence), strict liability or otherwise.
- 17. Any involvement by Soprema with respect to your roof, including any visits to the roof, whether prior to, during or after installation of the roof assembly, and any interaction with personnel involved in the installation of your roof, was or will be gratuitous and was or will be undertaken solely for the benefit of Soprema in determining whether or not to of this warranty nor subjects Soprema or any of its agents or representatives to any liability, whether in contract, indemnity, warranty, tort (including negligence), strict liability or are not in compliance with Soprema's standard details and installation instructions that were not noticed by the inspector, even if open and obvious. Noncompliant conditions, if they exist, have not been accepted by Soprema.
- 18. Any document on Soprema's website that is referred to in this warranty is incorporated herein by this reference, the same as if fully rewritten herein.

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Corporate Office 310 Quadral Drive Wadsworth, Ohio 44281

> Tel: 800.356.3521 Fax: 330.336.5073

August 9, 2011

Carolyn Feldman Tecta America South Florida 1431 S W 30th Avenue Deerfield Beach, Florida

RE:

Davie Water Treatment Plant

Davie, Florida

To Whom It May Concern:

Please be advised that Tecta America South Florida of Deerfield Beach, FL is an authorized Soprema applicator in good standing and is qualified to install all specified Soprema roof products on the above referenced project. We are in receipt of your e-mail (08.09.11) information on the above-mentioned project. The contents of this letter apply to this project only. We understand that the roof assembly below is being proposed for installation on this project:

Specified Assembly

System Requirements:

- The Designer of Record has determined the anticipated negative pressures on this building to be as follows: Zone 1 = -53.87; Zone 2 = -96.96; Zone 3 = -150.83.
- A twenty-five (25) year warranty is requested, no wind rider is required.

Deck Type/ Insulation/Cover board:

- Concrete deck.
- The concrete is primed with Soprema Elastocol 500 Primer, or other ASTM D 41 asphalt primer at the rate of one gallon per one hundred to one hundred and fifty (100 – 150 ft²/gal) square feet per gallon.
- Three (3) inch thick ASTM C 1289, Type II, Grade I polyisocyanurate insulation fully adhered in Olybond Adhesive.
- One-half (1/2) inch per foot polyisocyanurate crickets fully adhered in Olybond Adhesive as required.
- One-quarter (1/4) inch thick DensDeck Prime fully adhered in Olybond Adhesive.

Roof System:

- One ply of Soprema Sopralene Flam 180 heat welded.
- One ply of Soprema Soprastar Flam heat welded.
- Wall base flashing one ply of Sopralene Flam 180 heat welded to a properly primed substrate as required.
- Wall cap flashing one ply of Soprema Sopralene Flam 180 Fr Gr heat welded.
- The finished roof slope is 1/4:12.

August 9, 2011 Davie Water Treatment Plant Davie, Florida

This assembly is approved for -232.5 psf maximum design pressure in Zone 1 (field) of the roof per Miami-Dade NOA No. 10-0408.04 (Exp. 03/01/16). Page 24-25.

This assembly is outlined as being rated for uplift ratings of FM1-510 by Factory Mutual in RoofNav, under assembly number 240775-224872-0 and by definitions outlined in Loss Prevention Data Sheet 1-29.

Additional Comments:

- The attachment requirements herein relate solely to the new roof cladding to be installed atop the Florida Building Code (FBC) approved concrete deck. Soprema does not purport to address wind loading or adequacy of the structural roof deck, perimeter edge terminations, flashings or rooftop equipment.
- Please forward the Project Registration Form (PRF) for this project at your earliest convenience. If the project criteria or other information already provided changes when submitting the PRF, then this letter may become null and void.

All of the materials used in the system are acceptable to Soprema for use in the system. None of the materials manufactured by Soprema contain asbestos. All of the components in the specified assembly meet UL Class A criteria and are FM Approved.

The Soprema SBS Roof Assembly must be installed according to the Project Specifications, Soprema's current Specifications, General Requirements and Approved Details. All other related roofing components must meet or exceed current editions of Soprema's Standards, Factory Mutual Loss Prevention Data Sheets, SMACNA's Architectural Sheet Metal Manual, ANSI/SPRI ES 1-98 "Wind Design Standard for Edge Systems Used with Low-slope Roofing Systems, NRCA's Roofing and Waterproofing Manual, Florida Building Code –Test Protocol HVHZ Roofing Application Standard (RAS) No. 111, "Standard Requirements for Attachment of Perimeter Wood Blocking and Metal Flashing" or International Building Code requirements or recommendations with the most stringent prevailing.

When this project is successfully completed according to Soprema's current editions of *General Requirements*, Approved Details and good general roofing practice, Soprema can offer a Twenty-five (25) Year No Dollar Limit (NDL) Roof Membrane Warranty Agreement that includes the ARBS blocking system. If any of the above information changes, then this letter may become null and void.

Please feel free to call if there are questions or if additional information is needed.

Sincerely,

SOPREMA, INC.

Patrick F. Black

Corporate Technical Department

CC:

Job File

Katentet Plack

Roofing Technologies, Inc. - Sales Representative

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