

AIR HANDLING UNIT																
MARK	LOCATION	SERVES	TYPE	AIR QUANTITIES CFM			SUPPLY FAN CHARACTERISTICS		COILS			ACCESSORIES				REFERENCE PRODUCT ①
				SUPPLY MAX	MIN OUTSIDE AIR	RETURN AIR	ARR	V-β-HZ	PRE HEAT	HEATING	COOLING	AIRSIDE ECONOMIZER	FILTER	LINER	DAMPERS	
AHU-1E	SEE PLANS	1ST (EAST)	HOR2	6544	2452	4092	PLENUM	480/3φ	-----	-----	CC-1E	NONE	① ②	SOLID	③	YORK AP-170
AHU-1W	SEE PLANS	1ST (WEST)	HOR2	8920	1715	7205	PLENUM	480/3φ	-----	-----	CC-1W	NONE	① ②	SOLID	③	YORK AP-250
AHU-2E	SEE PLANS	2ND (EAST)	HOR2	11122	1655	9467	PLENUM	480/3φ	-----	-----	CC-2E	NONE	① ②	SOLID	③	YORK AP-305
AHU-2W	SEE PLANS	2ND (WEST)	HOR2	14403	2839	11564	PLENUM	480/3φ	-----	-----	CC-2W	NONE	① ②	SOLID	③	YORK AP-360
AHU-3E	SEE PLANS	3RD (EAST)	HOR2	11400	1655	9745	PLENUM	480/3φ	-----	-----	CC-3E	NONE	① ②	SOLID	③	YORK AP-305
AHU-3W	SEE PLANS	3RD (WEST)	HOR2	14842	2839	12003	PLENUM	480/3φ	-----	-----	CC-3W	NONE	① ②	SOLID	③	YORK AP-360
AHU-4E	SEE PLANS	4TH (EAST)	HOR2	10355	2620	7735	PLENUM	480/3φ	-----	-----	CC-4E	NONE	① ②	SOLID	③	YORK AP-305
AHU-4W	SEE PLANS	4TH (WEST)	HOR2	12503	2811	9692	PLENUM	480/3φ	-----	-----	CC-4W	NONE	① ②	SOLID	③	YORK AP-360
OSA-1E	SEE PLANS	EAST	HOR2	8400	8400	---	PLENUM	480/3φ	PHC-1	RHC-1	CC-1E	NONE	①	SOLID	③	YORK AP-250
OSA-1W	SEE PLANS	WEST	HOR2	10200	10200	---	PLENUM	480/3φ	PHC-2	RHC-2	CC-2W	NONE	①	SOLID	③	YORK AP-305

- ① 30% PLEATED MEDIA PREFILTER
- ② 65% 12" RIGID FILTER
- ③ MOTORIZED CONTROL DAMPER WILL BE SUPPLIED FOR RETURN & OUTSIDE AIR INLETS
- ④ OSA FOR AHU'S IS SUPPLIED BY OSA UNITS. SIZE OSA DAMPER FOR 1000 FPM AT SCHEDULED OSA CFM.

CHILLED WATER COOLING COILS																	
MARK	LOCATION	CFM	FACE VEL.	ROWS	FPF	TOTAL MBH	SENS. MBH	EDB	EWB	MAX LDB	MAX LWB	MAX APD	EWT	LWT	GPM	MAX WPD	REFERENCE PRODUCT ①
CC-1E	AHU-1E	6544	388	4	120	102.6	102.6	74.4	61.5	60.1	56.2	.28	54	63	23.7	4.0	YORK
CC-1W	AHU-1W	8920	364	4	168	162.9	162.9	77.1	62.0	60.0	55.6	.32	54	66	27.6	3.1	YORK
CC-2E	AHU-2E	11122	369	4	168	222.2	222.2	77.8	63.4	59.6	56.8	.33	54	66	35.7	4.9	YORK
CC-2W	AHU-2W	14403	401	4	168	269.8	269.8	77.0	62.0	60.0	55.6	.38	54	66	44.4	5.3	YORK
CC-3E	AHU-3E	11400	375	4	168	227.0	227.0	77.8	63.4	59.7	56.8	.35	54	66	36.7	5.2	YORK
CC-3W	AHU-3W	14842	413	4	168	278.2	278.2	77.1	62.0	60.0	55.6	.40	54	66	46.0	5.6	YORK
CC-4E	AHU-4E	10355	343	4	168	188.1	188.1	76.2	61.5	59.6	55.3	.29	54	66	30.3	3.7	YORK
CC-4W	AHU-4W	12503	348	4	168	233.6	233.6	76.6	61.6	59.6	55.2	.30	54	66	37.6	4.0	YORK
CC-1	OSA-1E	8400	345	10	108	998.2	574.3	97.0	77.0	46.45	46.45	.81	42	56	119.6	6.0	YORK
CC-2	OSA-2W	10200	344	10	96	869.9	325.9	73.9	73.9	46.71	46.71	.45	42	56	144.2	13.7	YORK

- ① PROVIDE 2-WAY CONTROL VALVE PACKAGES

FAN COIL UNITS																									
MARK	SERVES	LOCATION	COOLING						HEATING						FAN				REFERENCE PRODUCT ① ② ③ ④ ⑤						
			EAT (°F) DB	WB	GPM	EWT °F	LWT °F	WPD FT.	SENS.	TOTAL	ROW	GPM	MAX WPD	EDB °F	MIN. LAT.	EWT °F	LWT °F	SMBH		CFM	TSP IN. H2O	ESP IN. H2O	RPM	MOTOR HP	VOLTS/φ
FCU-1	MECH. ROOM	SEE PLANS	80	67	5.7	45	55	13.2	21.9	28.5	2	2.2	5.6	70	-	180	150	33.1	1290	-	0.00	HIGH	1/2 / 3/8	115/1	YORK HE-12
FCU-4	RESTROOMS	SEE PLANS	80	67	3.2	45	55	7.4	11.2	16.0	2	1.3	11.7	70	-	180	150	19.7	645	0.50	0.10	HIGH	1/2	115/1	YORK HCP-06
FCU-5	RESTROOMS	SEE PLANS	80	67	3.2	45	55	7.4	11.2	16.0	2	1.3	11.7	70	-	180	150	19.7	645	0.50	0.10	HIGH	1/2	115/1	YORK HCP-06
FCU-6	MECH. ROOM	SEE PLANS	80	67	5.7	45	55	13.2	21.9	28.5	2	2.2	5.6	70	-	180	150	33.1	1290	-	0.00	HIGH	1/2 / 3/8	115/1	YORK HE-12
FCU-7	RESTROOMS	SEE PLANS	80	67	3.2	45	55	7.4	11.2	16.0	2	1.3	11.7	70	-	180	150	19.7	645	0.50	0.10	HIGH	1/2	115/1	YORK HCP-06
FCU-8	RESTROOMS	SEE PLANS	80	67	3.2	45	55	7.4	11.2	16.0	2	1.3	11.7	70	-	180	150	19.7	645	0.50	0.10	HIGH	1/2	115/1	YORK HCP-06
FCU-9	RESTROOMS	SEE PLANS	80	67	3.2	45	55	7.4	11.2	16.0	2	1.3	11.7	70	-	180	150	19.7	645	0.50	0.10	HIGH	1/2	115/1	YORK HCP-06
FCU-10	RESTROOMS	SEE PLANS	80	67	3.2	45	55	7.4	11.2	16.0	2	1.3	11.7	70	-	180	150	19.7	645	0.50	0.10	HIGH	1/2	115/1	YORK HCP-06
FCU-11	MECH. ROOM	SEE PLANS	80	67	5.7	45	55	13.2	21.9	28.5	2	2.2	5.6	70	-	180	150	33.1	1290	-	0.00	HIGH	1/2 / 3/8	115/1	YORK HE-12
FCU-12	RESTROOMS	SEE PLANS	80	67	3.2	45	55	7.4	11.2	16.0	2	1.3	11.7	70	-	180	150	19.7	645	0.50	0.10	HIGH	1/2	115/1	YORK HCP-06
FCU-13	RESTROOMS	SEE PLANS	80	67	3.2	45	55	7.4	11.2	16.0	2	1.3	11.7	70	-	180	150	19.7	645	0.50	0.10	HIGH	1/2	115/1	YORK HCP-06
FCU-14	MECH. ROOM	SEE PLANS	80	67	5.7	45	55	13.2	21.9	28.5	2	2.2	5.6	70	-	180	150	33.1	1290	-	0.00	HIGH	1/2 / 3/8	115/1	YORK HE-12
FCU-15	FIRE PUMP	SEE PLANS	80	67	5.7	45	55	13.2	21.9	28.5	2	2.2	5.6	70	-	180	150	33.1	1290	-	0.00	HIGH	1/2 / 3/8	115/1	YORK HE-12
FCU-16	ELECT. ROOM	SEE PLANS	80	67	5.7	45	55	13.2	21.9	28.5	2	2.2	5.6	70	-	180	150	33.1	1290	-	0.00	HIGH	1/2 / 3/8	115/1	YORK HE-12
FCU-17	MAIL ROOM	SEE PLANS	80	67	5.7	45	55	13.2	21.9	28.5	2	2.2	5.6	70	-	180	150	33.1	1290	-	0.00	HIGH	1/2 / 3/8	115/1	YORK HE-12

- ① PROVIDE 2-WAY VALVE PACKAGES
- ② PROVIDE UNIT MOUNTED DISCONNECT
- ③ PROVIDE 30% FILTER SECTION
- ④ PROVIDE AUXILIARY DRAIN PANS

HEAT EXCHANGERS															
MARK	SERVES	LOCATION	MBH	HOT LOOP					COOL LOOP					REFERENCE PRODUCT	REMARKS
				FLUID	EWT °F	LWT °F	GPM	WPD PSI	FLUID	EWT °F	LWT °F	GPM	WPD PSI		
HX-1	CHILLER	MECH. ROOM	1199.879	WATER	66.0	54.0	200	1.3	WATER	53.0	57.8	500	6.8	MUELLER ACCU-THERM	

AIR HANDLING UNITS SUPPLY																	
MARK	SERVES	CFM	ESP IN.	HP WATT	VOLTS/φ	DRIVE	TYPE	CONTROLS	MAX. db AT OCTAVE BAND ①								REFERENCE PRODUCT ②
									63	125	250	500	1000	2000	4000	8000	
AHU-1E	1ST (EAST)	6544	1.0"	5.0	480/3φ	BELT	PLENUM	VFD	78	81	84	79	75	71	67	65	
AHU-1W	1ST (WEST)	8920	1.0"	7.5	480/3φ	BELT	PLENUM	VFD	84	85	80	77	72	67	63	59	
AHU-2E	2ND (EAST)	11122	1.0"	10.0	480/3φ	BELT	PLENUM	VFD	84	84	80	77	72	69	64	59	
AHU-2W	2ND (WEST)	14403	1.0"	10.0	480/3φ	BELT	PLENUM	VFD	85	88	84	82	78	74	68	62	
AHU-3E	3RD (EAST)	11400	1.0"	7.5	480/3φ	BELT	PLENUM	VFD	84	84	80	77	73	70	65	60	
AHU-3W	3RD (WEST)	14842	1.0"	10.0	480/3φ	BELT	PLENUM	VFD	86	89	84	83	78	75	69	63	
AHU-4E	4TH (EAST)	10355	1.0"	10.0	480/3φ	BELT	PLENUM	VFD	84	83	79	76	72	68	64	59	
AHU-4W	4TH (WEST)	12503	1.0"	10.0	480/3φ	BELT	PLENUM	VFD	84	85	81	79	74	71	65	59	
OSA-1E	EAST	8400	1.0"	7.5	480/3φ	BELT	PLENUM	VFD	82	82	77	74	69	64	60	56	
OSA-2W	WEST	10200	1.0"	5.0	480/3φ	BELT	PLENUM	VFD	85	85	79	77	72	69	65	60	

- ① db LEVEL AT DISCHARGE
- ② PROVIDE FACTORY MOUNTED VARIABLE FREQUENCY DRIVES

HOT WATER HEATING COILS															
MARK	LOCATION	CFM	MAX. FACE VEL.	ROWS	FPF	CAPACITY MBH	EAT °F	LAT °F	MAX APD IN. H2O	EWT	LWT	GPM	MAX WPD FT. H2O	REFERENCE PRODUCT	
PHC-1	OSA-1E	8400	450	2	11	428.4	0	47	0.19	150	120.7	29.2	1.1	WING WFB VB7W	①
PHC-2	OSA-2W	10600	500	2	11	540.6	0	47	0.23	150	133.5	66.8	1.75	WING WFB VB8W	①
RCH-1	OSA-1E	8400	345	2	12	209.6	47	71.6	0.04	150	100	9.1	1.4	YORK	
RCH-2	OSA-2W	10600	344	2	12	264.5	47	72	0.04	150	100	10.7	2.0	YORK	

- ① PROVIDE 2-WAY CONTROL VALVE

UNIT HEATER									
MARK	LOCATION	MBH CAP.	GPM	WPD FT.	CFM	HP	VOLTS/φ	EWT/LWT	NOTES ① ②
UH-1	DOCK	115	11.5	147	2900	1/3	120/1φ	180/160	

- ① PROVIDE UNIT MOUNTED DISCONNECT
- ② PROVIDE 2-WAY CONTROL VALVE

INTAKE VENTILATOR						
MARK	SERVES	CFM	MAX FPM	P.D. IN.	THROAT AREA	REFERENCE PRODUCT
IV-1	ELEV SHAFT	---	---	---	5.2	COOK TR30
IV-2	ELEV SHAFT	---	---	---	3.4	COOK TR24
IV-3	MECH	---	---	---	1.9	COOK TR12
IV-4	MECH	---	---	---	.9	COOK TR12
IV-5	EAST STAIR	---	---	---	25.0	COOK TRE 60x60
IV-6	WEST STAIR	---	---	---	25.0	COOK TRE 60x60

POLK STANLEY YEARY ARCHITECTS, LTD.

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LITTLE ROCK, AR 72201
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CONSULTANTS:

OWNER'S PROJECT ADVISOR:
MOSES TUCKER REAL ESTATE, INC.

CIVIL ENGINEER:
MCCLELLAND ENGINEERS

LANDSCAPE ARCHITECT:
LARSON BURNS SMITH

STRUCTURAL ENGINEER:
CROMWELL ENGINEERS INC.

MECH., ELEC., PLUMB. ENGINEER:
CROMWELL ENGINEERS INC.

SUSTAINABLE CONSULTANT:
BNIM / ELEMENTS

GLOBAL VILLAGE CONSULTANT
CAMBRIDGE SEVEN ASSOCIATES

INTERIOR DESIGNER:
POLK STANLEY YEARY

GENERAL CONTRACTOR:
CDI

GENERAL NOTES:

NOTES:

ISSUE DATE:
DECEMBER 15, 2003
CORE/SHELL
PACKAGE #5

REVISIONS:

#	DATE	DESCRIPTION
1	1-16-04	ADDENDUM #1
2	1-23-04	PACKAGE 5-ADDM. 02
3	7-1-04	PACKAGE 7, 100% ROLL UP
4	11-29-04	ASI #27