

**POLK
STANLEY
YEARY
ARCHITECTS, LTD.**

700 SOUTH SCHILLER
LITTLE ROCK, AR 72201
501.378-4878
FAX 372-7629

21 W. MOUNTAIN, SUITE 227
FAYETTEVILLE, AR 72701
479-444-0473

CONSULTANTS:

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

CIVIL ENGINEER:
MCLELLAND 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	1-28-04	PACKAGE 5-ADDM. 03
4	7-1-04	PACKAGE 7, 100% ROLL UP
5	11-29-04	ASI #27

**HEIFER
INTERNATIONAL
CENTER
OFFICE BUILDING**

LITTLE ROCK, ARKANSAS

PSY PROJECT NUMBER:
431C

CONTENTS:

HVAC SCHEDULES

SHEET NUMBER:

M302



AIR DEVICES				
MARK	TYPE	DESCRIPTION	SIZE	REFERENCE PRODUCT
A	SUPPLY	SIDEWALL	SEE PLANS	TITUS 300RL
B	RETURN	SIDEWALL	SEE PLANS	TITUS 355RL
C	EXHAUST	EGGCRATE	24/24	TITUS 50F
D	SUPPLY	LOUVERED	24/24	TITUS TMS
E	RETURN	LINEAR BAR	SEE PLANS	TITUS 33R ①
F	SUPPLY	LINEAR FLOOR	SEE PLANS	TITUS CT-PP-0 ②
G	RETURN	LINEAR RETURN	SEE PLANS	TITUS ML-39 ③⑤
H	RETURN	DOOR GRILLE	24/24	TITUS L24 ④

① LINEAR BAR GRILLES SHALL BE 6" WIDE BALANCING DAMPER
② SEE ARCHITECT PLANS FOR SIZES
③ 3 1" SLOTS
④ PROVIDE FIRE DAMPER (AT BOILER ROOM)
⑤ PROVIDE BORDER TYPE #16

EXHAUST FAN									
MARK	SERVES	CFM	ESP IN	RPM	HP	VOLTS/Ø	DRIVE	TYPE	REFERENCE PRODUCT ①
EF-1	DOCK	1283	0.5	900	1/2	115/1Ø	DIRECT	INLINE	COOK GC-1000
EF-2	RECYCLE	3600	0.5	1440	1-1/2	480/3Ø	BELT	INLINE	COOK GR-20
EF-3	REFRIGERATION	3600	0.5	1440	1-1/2	480/3Ø	BELT	INLINE	COOK 165 SQN-B
EF-4	NOT USED	----	----	----	----	----	----	----	----
EF-5	NOT USED	----	----	----	----	----	----	----	----
EF-6	TOWER STAIR	14907	0.75	500	5	480/3Ø	BELT	ROOF MTD	COOK ACE-B-402C11B ②④
EF-7	4TH FLOOR TOILET	1685	1.0	1685	1/2	115/1Ø	BELT	ROOF MTD	COOK ACE-B-135C5B ②③
EF-8	SHOWERS	810	0.5	700	300W	115/1Ø	DIRECT	INLINE	COOK GH-820 ③
EF-9	TOILETS	1685	1.0	1685	1/2	115/1Ø	BELT	ROOF MTD	COOK ACE-B-135C5B ②③
EF-10	TOILETS	1685	1.0	1685	1/2	115/1Ø	BELT	ROOF MTD	COOK ACE-B-135C5B ②③

① PROVIDE UNIT MOUNTED DISCONNECT
② PROVIDE ROOFCURB
③ PROVIDE BACKDRAFT DAMPER
④ PROVIDE MOTORIZED DAMPER

AIR SEPARATOR						
MARK	SIZE	MAX. WPD FT.	GPM MAX.	LOCATION	REFERENCE PRODUCT	REMARKS
AS-1	6"	1.0	300	RM 105	ARMSTRONG VA-6	
AS-2	6"	1.0	300	BASEMENT	ARMSTRONG VA-6	

CIRCULATING PUMPS													
MARK	SERVES	LOCATION	FLUID	TYPE	GPM	TDH FT	IMPELLER DIA.	RPM	HP	VOLTS/Ø	MIN. EFF.	REFERENCE PRODUCT	REMARKS
CHP-1	CHILLED WATER	RM105	WATER	BASEMOUNTED	300	95FT	10.12"	1800	15.0	480/3Ø	72.86%	ARMSTRONG	SERIES 4030
CWP-1,2	CONDENSER WATER	RM105	WATER	BASEMOUNTED	900	53FT	8.84"	1800	20.0	480/3Ø	80.58%	ARMSTRONG	SERIES 4030
HWP-1	HOT WATER	RM105	WATER	BASEMOUNTED	300	100FT	10.07"	1800	15.0	480/3Ø	71.73%	ARMSTRONG	SERIES 4030

① PROVIDE SUCTION DIFFUSER WITH STRAINER

EXPANSION TANK											
MARK	SERVES	TANK VOLUME	TANK ACCEP. VOLUME	TYPE	LOCATION	MIN. TEMP.	MAX. TEMP.	MIN. PRESS. PSIG	MAX. PRESS. PSIG	TANK PRESS.	REFERENCE PRODUCT
ET-1	HOT WATER	132	132	BLADDER	BOILER RM B06	50	240	-	-	45	ARMSTRONG A500-L
ET-2	CHILLED WATER	132	132	BLADDER	MECH RM 105	40	150	-	-	38	ARMSTRONG A500-L

MODULAR INTEGRATED TERMINAL						
MARK	LOCATION	CFM	P.D.	TYPE	OPERATION	REFERENCE PRODUCT
MIT	SEE PLANS	130	0.05"	PRESSURE INDEPENDENT	VARIABLE AIR VOLUME	YORK MIT-G-R
MIT	SEE PLANS	600	0.05"	PRESSURE INDEPENDENT	CONSTANT AIR VELOCITY	YORK MFT

WATER COOLED CENTRIFUGAL CHILLER																			
MARK	LOCATION	REFRIG	VFD	TONS	EVAPORATOR					CONDENSER					COMPRESSOR			REFERENCE PRODUCT ①	
					EWI ØF	LWT ØF	GPM	MAX WPD FT/ØD	PASS	EWI T	LWT T	GPM	MAX WPD FT/ØD	PASS	MAX KW	MOTOR	VOLTSØ		MAX RPLV
CH-1	MECHANICAL ROOM 105	134A	YES	300	66	42	300	12.7	3	83	92.3	900	8.3	2	197	-	480/3Ø	0.44	YORK YKAAADP2-CKF

① PROVIDE UNIT MOUNTED VFD
② PROVIDE REFRIGERANT MONITORING SYSTEM
③ PROVIDE SELF-CONTAINED BREATHING APPARATUS (2)

COOLING TOWER														
MARK	SERVES	LOCATION	AMB. WS ØF	EWT ØF	LWT ØF	GPM TOTAL	BASIN HEATCELL			FAN MOTORCELL				REFERENCE PRODUCT
							# MAX KW	VOLTSØ	HP	RPM	VOLTSØ	VFD	DRIVE	
CT-1	CHILLER CH-1	MECH YARD	80	93	83	1000	15	480/3Ø	7 1/2	285	480/3Ø	YES	GEAR	MARLEY NC 8305CL2
CT-2	CHILLER CH-1	MECH YARD	80	93	83	1000	15	480/3Ø	7 1/2	285	480/3Ø	YES	GEAR	MARLEY NC 8305CL2

① PROVIDE VFD (VFD SHALL BE FIELD MOUNTED AS SHOWN ON DWGS.)

HOT WATER BOILER													
MARK	SERVES	LOCATION	FUEL	MBH INPUT	MBH OUT PUT	EWT	LWT	GPM	Pi Ft	VOLTSØ	FLA	MARK	MANUFACTURER & MODEL NO.
B-1,2	HOT WTR.	BASEMENT	NGAS	2000	1740	180	140	300	②	480/3Ø	6	20	AERCO BENCHMARK (BMK) 2.0 GWB ①

① PROVIDE MODEL 168 AERCO BOILER MANAGEMENT SYSTEM. VENTING MATERIAL SHALL BE AL29-4C STAINLESS STEEL
② 10.1 FT @ 170 GPM

FINNED TUBE						
MARK	TUBE SIZE	FFF	EWT	LWT	BTUFT	REFERENCE PRODUCT
FT-1	3-1/4"	50	180	170	660	STERLING C314-35

① 2-WAY CONTROL VALVE PACKAGE (SILENT CONTROL)

© 2003 POLK STANLEY YEARY ARCHITECTS, LTD.