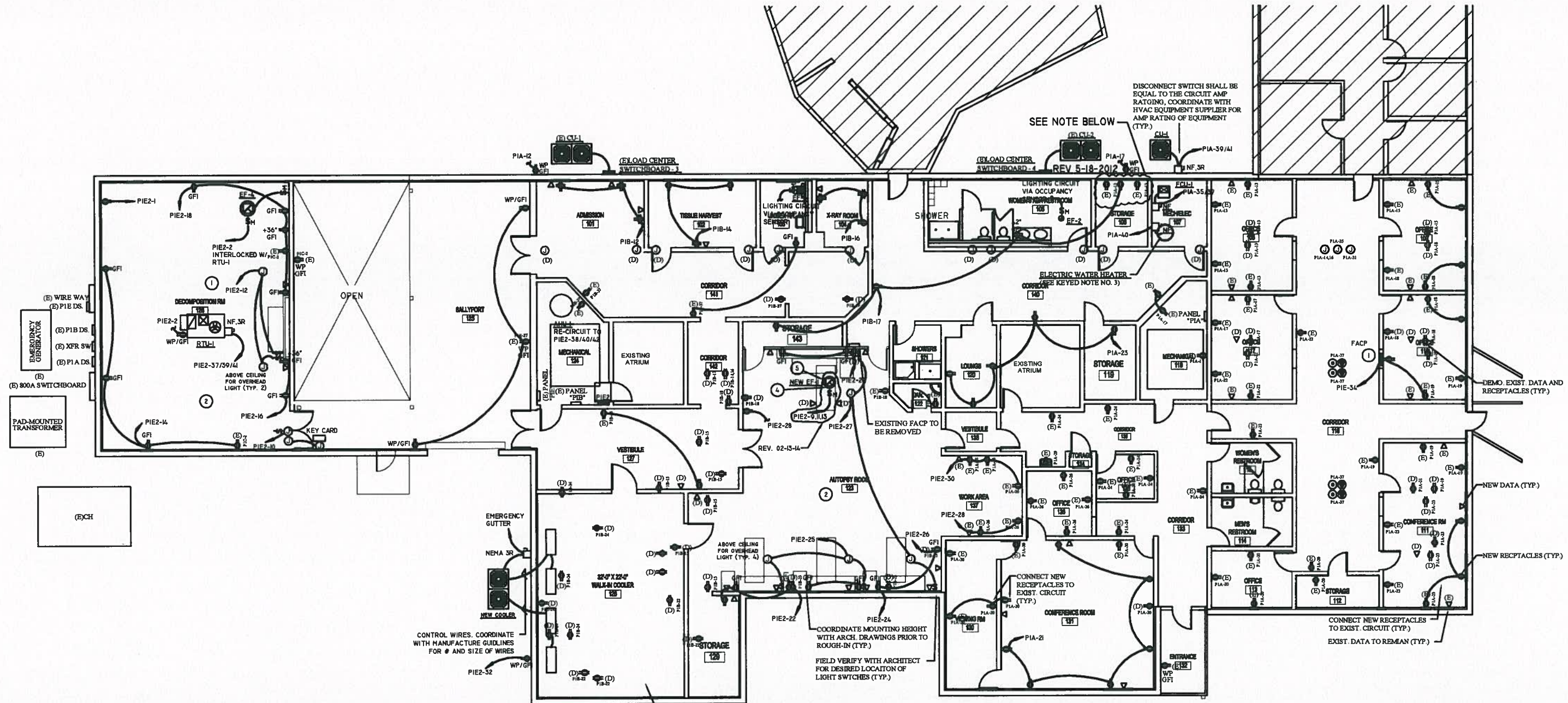
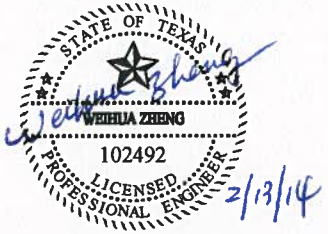


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- KEYED NOTES**
- 1 NEW FACP LOCATION SILENT KNIGHT 5820XL. PROVIDE ALL NEW WIRING TO NEW DEVICES AS SHOWN.
 - 2 REPLACE ALL EXISTING COVERPLATES AND LIGHT SWITCHES COVER PLATES IN THIS ROOM WITH NEW STAINLESS STEEL COVER PLATES 302-SS. NEW COVER PLATES WILL ALSO BE 302-STAINLESS STEEL.
 - 3 ASSUME ELECTRIC WATER HEATER TO BE 208V 10 AMP/2P CIRCUIT. COORDINATE WITH PLUMBING CONTRACTOR FOR ELECTRICAL REQUIREMENTS. PROVIDE ADDITIONAL 120V CIRCUIT FOR CIRC. PUMP AND WIRE AQUA STAT AS REQUIRED.
 - 4 EXHAUST FAN ON ROOF COORDINATE THE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
 - 5 ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A FUSIBLE DISCONNECT SWITCH (30A/3P/10AF, NEMA 3R) BY THE EXHAUST FAN ON ROOF.

REV 02-13-14



- NOTES**
1. CONTRACTOR SHALL PROVIDE & INSTALL NEW RECEPTACLES:
(1) 220V/30A/1P FOR DRYER
(1) 120V/20A/1P FOR WASHER
 2. CONTRACTOR SHALL COORDINATE WITH OWNER AND PLUMBING FOR EXACT LOCATION PRIOR TO ROUGH IN.
 3. CONTRACTOR SHALL VERIFY THE EQUIPMENT MANUFACTURER FOR POWER REQUIREMENTS AND RECOMMENDATION PRIOR TO ROUGH IN.
 4. CONTRACTOR SHALL PROVIDE & INSTALL NEW EXHAUST DUCT THROUGH WEST WALL WITH METAL CAP AND BIRD SCREEN. SEE DRYER MANUFACTURER RECOMMENDATION FOR SIZE AND INSTALLATION.

REV 5-18-2012

POWER PLAN
SCALE: NTS

 S&B INFRASTRUCTURE LTD. <small>Engineering • Management • Technology</small> <small>S&B INFRASTRUCTURE, Ltd. Firm Registration Number 1082</small>			
HIDALGO COUNTY AUTOPSY FACILITY RENOVATION			
ELECTRICAL POWER PLAN			
DRAWN BY: TV	DATE: 12/08/2010	SCALE: NO SCALE	
CHECKED BY: KB	DATE: 12/08/2010	PROJECT NO: U1189	
APPROVED BY: KB	DATE: 12/10/2010		
STATE: TEXAS	COUNTY: HIDALGO	SHEET NO: 39 OF 47	DWG NO: E-7

FAN COIL UNIT

MARK	
INDOOR UNIT	FCU-1
SUPPLY CFM	1600
MIN. OUTSIDE AIR (CFM)	160
EXT. STATIC INCHES WC	0.5
MINIMUM HP	0.75
VOLTAGE/PHASE/HZ	208/3/60
ROWS	3
FINS	14
ENTERING AIR DB/WB	79/64
LEAVING AIR DB/WB	55.5/54
MIN. TOTAL CAPACITY (MBH)	48
MIN. SENSIBLE CAPACITY (MBH)	42
AMBIENT AIR DEG F	105
HEAT	NATURAL GAS
MIN. KW INPUT	7.2
STAGES	1
VOLTS/PHASE	208/3
MCA	54
MOCP	60
MANUFACTURER	TRANE
MODEL	2TEH3048
OUTDOOR UNIT	CU-1
VOLTAGE/ PHASE	208/3
MCA	20
MOCP	30
AMBIENT AIR DEG F	105
MANUFACTURER	TRANE
MODEL	2TTA0048
NOTES	1

NOTES:
1. PLACE CONDENSING UNIT ON 3-1/2" HIGH CONCRETE HOUSEKEEPING PAD.

RTU SCHEDULE

MARK	
INDOOR UNIT	RTU-1
SUPPLY CFM	1600
MIN. OUTSIDE AIR (CFM)	160
EXT. STATIC INCHES WC	0.5
MINIMUM HP	0.5
FAN MOTOR MCA	28
FAN MOTOR MOCP	40
VOLTAGE/PHASE/HZ	208/3/60
ROWS	3
FINS	16
ENTERING AIR DB/WB	79/64
LEAVING AIR DB/WB	55.5/54
GROSS COOLING CAPACITY (MBH)	49.93
NET COOLING CAPACITY (MBH)	49
AMBIENT AIR DEG F	105
HEAT	NATURAL GAS
MIN. KW INPUT	6
CONTROL STAGES	1
VOLTS/PHASE	208/3
MCA	28.3
MOCP	40
MANUFACTURER	TRANE
MODEL	THC048
NOTES	1, 2

NOTES:
1. PROVIDE 14" HIGH ROOF CURB.
2. PROVIDE INTEGRAL ELECTRIC "GFI" OUTLET.

15 TON AHU			
SystemID			AHU-1
Coil	NominalTons (ton)		15.0
Refrigerant			R-410A
Cond	Namebrand		Lennox
Cond/HP	Model		TSA180S4D-230-3-E
Coil	Model		TAA240S4D-STD-230-E
Supply	AirFlow (cfm)		5000
ExtStaticPress	Supply (In.WC)		0.40
TotalStaticPress	(In.WC)		0.53
SupplyFan	NomPower (hp)		7.50
SupplyFan	Req'dPower (hp)		1.79
SupplyDriveReq	RPM (rpm)		673
Cooling	OutdoorDB (°F)		98.0
Cooling	CondenserDB (°F)		98.0
Cooling	MixedDB (°F)		78.0
Cooling	MixedWB (°F)		64.0
Coil	GrossTotalCool (Btuh)		177505
Coil	NetTotalCool (Btuh)		172418
Coil	GrossSensCool (Btuh)		138720
Coil	NetSensCool (Btuh)		133633
Coil	MoistureRemoval (lb/hr)		36.6
System	MoistRemoval (lb/hr)		36.6
Coil	DischargeDB (°F)		51.8
Coil	DischargeWB (°F)		51.3
Unit	DischargeDB (°F)		52.7
Unit	DischargeWB (°F)		51.7
ARI	EER		11.4
Heat	Source		None
Voltage			208V 3Ph
Condenser	Voltage		208V 3Ph
Frequency	(Hz)		60
Condenser	MCA (amp)		66.0
Condenser	MOCP (amp)		90
SupplyFan	FLA (amp)		16.7
AirHandler	FLA (amp)		16.7
CondensingUnit	Weight (lb)		775
Coil	Weight (lb)		308
Outdoor	Sound Rating		88
SystemID			AHU-2

ROOF CAP SCHEDULE

MARK	RC-1
CFM	160
SERVICE	FAN COIL UNIT-1
LOCATION	ROOF
EXT. SP (IN WG)	0.125
MANUFACTURER	L. COOK
MODEL	PR-8
NOTES	1,2,3

NOTES:
1. PROVIDE WITH ALUMINUM BIRD/INSECT SCREEN.
2. PROVIDE WITH FACTORY BAROMETRIC DAMPER.
3. PROVIDE ROOF CURB W/ FACTORY DAMPER TRAY.



For Revisions
Kopelov P.E.
2/13/14

EXHAUST FAN SCHEDULE

REV. 02-13-14

MARK	EF-1	EF-2	EF-3	EF-4
CFM	1850	180	75	150
SERVICE	AUTOPSY AREA	RESTROOM	RESTROOMS	DECOMPOSITION
LOCATION	ROOF	ROOF	ABOVE CEILING	ROOF
RPM	1725	1725	900	1725
EXT. SP	2.5	0.375	0.125	0.125
MOTOR(HP)	2	1/6	55 WATTS	1/6
ELECTRICAL VOLTS/PHASE	208/3	115/1	115/1	115/1
MAX SONES	11.9	7.5	3	7.5
MANUFACTURER	COOK	L. COOK	L. COOK	L. COOK
MODEL	-	ACEB	GEMINI	ACRUB-UPBLAST
CATALOG NUMBER	135 CPS	70C2B	GC-120	70C2B
NOTES	1,2,3,4,5,6	1,2,4,5,6,7	1,2,4,5,6,7	1,2,4,5,6,8

NOTES:
1. PROVIDE WITH 14" HIGH ROOF CURB.
2. PROVIDE WITH FACTORY INSTALLED DISCONNECT SWITCH.
3. FAN SHALL BE SWITCHED ON/OFF WITH EXISTING AHU-1.
4. PROVIDE BELT DRIVEN FAN.
5. PROVIDE WITH FACTORY GRAVITY DAMPER.
6. PROVIDE ROOF CURB WITH DAMPER TRAY.
7. SWITCH FAN WITH LIGHTS.
8. EXHAUST FAN ON/OFF WIRED WITH RTU-1

AIR DEVICE SCHEDULE

MARK	DESCRIPTION	SIZE (IN)	DEVICE TYPE	MANUFACTURER	NOTES
A	SUPPLY	22"X 22" LAY-IN	TMS	TITUS	1,2,3
B	SUPPLY	12"X 12"	TMS	TITUS	1,2,3
C	RETURN	24"X 24"	350RL	TITUS	1,2
D	SUPPLY	16"X 8"	300FS	TITUS	1,3
E	SUPPLY	12"X 6"	300FS	TITUS	1,2,3

NOTES:
1. PROVIDE AIR DEVICE WITH #26 FACTORY FINISH, UNLESS COLOR SELECTED BY OWNER.
2. PROVIDE AIR DEVICE WITH SURFACE MOUNT FRAME ON GYPSUM CEILINGS.
3. PROVIDE AIR DEVICE WITH OPPOSED BLADE DAMPER.

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HIDALGO COUNTY AUTOPSY FACILITY RENOVATION

MECHANICAL SCHEDULES

DRAWN BY:	NS	DATE:	12/08/2010	SCALE:	NO SCALE
CHECKED BY:	NS	DATE:	12/08/2010	PROJECT NO.:	U1189
APPROVED BY:	XX	DATE:	12/10/2010		
STATE:	TX	COUNTY:	HIDALGO	SHEET NO.:	20 of 47
				DWG NO.:	M-H