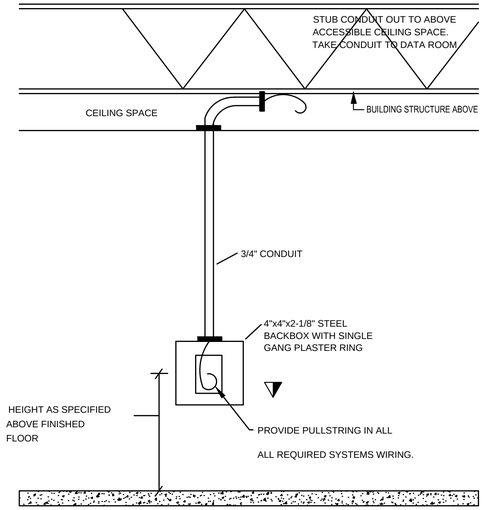
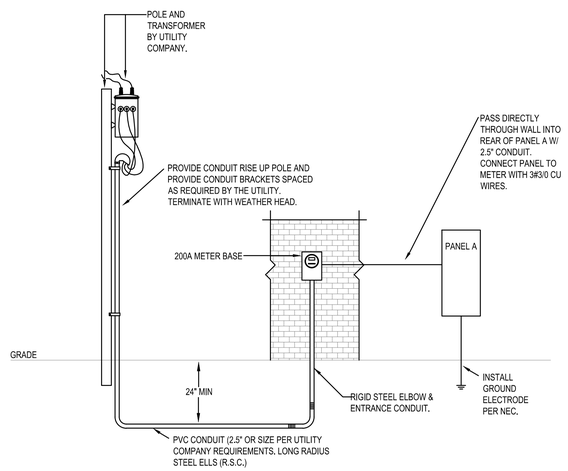


DATA ROUGH - IN DETAIL

NO SCALE



ELECTRICAL RISER DIAGRAM

SCALE: NS

PANEL DESIGNATION — PANELBOARD SCHEDULE

MOUNTING: A — ☑ SURFACE ☐ FLUSH

VOLTAGE: 120/240 VOLT, 1Ø 3W — BUS RATING: 200 AMP — AIC RATING: 10,000

PANEL LOCATION: MECHANICAL/ELECTRICAL 107 — ☐ MAIN LUGS ONLY ___ ☑ MAIN BREAKER 200 AMPS

CKT NO.	CKT BRKR TRIP/POLE	LOAD DESCRIPTION & LOCATION	LOAD (W/PHASE) AØ	LOAD (W/PHASE) BØ	LOAD (W/PHASE) AØ	LOAD (W/PHASE) BØ	LOAD DESCRIPTION & LOCATION	CKT BRKR TRIP/POLE	CKT NO.
1	20/1	LIGHTING	1150		1450		LIGHTING	20/1	2
3	20/1	LIGHTING		1100		1350	LIGHTING	20/1	4
5	20/1	EXTERIOR LIGHTING	400		0		SPARE	20/1	6
7	20/1	RECEPTACLES 104 RECORDS, HALL		1200		1600	RECEPTACLES 102, 103 OFFICE	20/1	8
9	20/1	RECEPTACLES 101 ASST. CLERK	1200		1000		RECEPTACLES 100 LOBBY	20/1	10
11	20/1	RECEPTACLES 105 MAYORS OFFICE		1200		1400	RECEPTACLES 106 HALL, BATHROOMS	20/1	12
13	20/1	RECEPTACLES 107 STORAGE, COAT	1500		1400		WALL RECEPTACLES 108 CONFERENCE	20/1	14
15	20/1	FLOOR RECEPTACLES 108 CONFERENCE		400		400	GFI RECEPTACLES BREAKROOM	20/1	16
17	20/1	RECEPTACLES BREAKROOM, MECH. ROOM	800		1400		RECEPT. 114,115 INTERVIEW, VIEWING	20/1	18
19	20/1	RECEPT. 116 STORAGE, 117 SGT. OFFICE		1400		1600	RECEPT. 118,119 LIEUTENANT, CHIEF	20/1	20
21	20/1	RECEPTACLES 113 POLICE OFFICE	1200		400		TELECOM OUTLET	20/1	22
23	20/1	RECEPTACLES 107		1000		1000	RECEPTACLES	20/1	24
25	20/1	HAND DRYER - MENS	0		0		HAND DRYER - WOMENS	20/1	26
27	30/2	WATER HEATER		2250		400	FURNACE	20/1	28
29			2250		400		FURNACE	20/1	30
31	50/2	HEAT PUMP HP-1		1750		1750	HEAT PUMP HP-2	50/2	32
33			1750		1750				34
35	20/2	MINI-SPLIT OUTDOOR UNIT OU-1		1000		1000	MINI-SPLIT OUTDOOR UNIT OU-2	20/2	36
37			1000		1000				38
39	20/1	ERV		400		100	SPARE	20/1	40 *
41	20/1	SPARE	100		0		SPARE	20/1	42

* INDOOR UNIT MAY BE FED RONI OUTDOOR UNIT

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A	2' x 4' FLUORESCENT LIGHTING FIXTURE (LETTER DENOTES TYPE. SEE SPECIFICATIONS)		HOMERUN
	FLUORESCENT LIGHTING FIXTURE PROVIDED WITH EMERGENCY BATTERY.		CONCEALED CONDUIT BELOW FLOOR SLAB.
	1' x 4' FLUORESCENT LIGHTING FIXTURE.		CONCEALED CONDUIT IN WALLS OR ABOVE CEILING.
	1' x 4' FLUORESCENT LIGHTING FIXTURE PROVIDED WITH EMERGENCY BATTERY.		CONDUIT TURNED: UP, DOWN
	STRIP OR INDUSTRIAL TYPE FLUORESCENT LIGHTING FIXTURE.		CAPPED CONDUIT/WIRE
	STRIP OR INDUSTRIAL TYPE FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY BATTERY.		OUTLET BOX
A	2' x 2' FLUORESCENT LIGHTING FIXTURE (LETTER DENOTES TYPE, SEE SPECIFICATIONS)	J	JUNCTION BOX
	2' x 2' FLUORESCENT LIGHTING FIXTURE PROVIDED WITH EMERGENCY BATTERY.	T	TRANSFORMER
	CEILING MOUNTED LIGHTING FIXTURE (TYPICAL FOR INCANDESCENT, CIRCULAR FLOURESCENT, MERCURY VAPOR, METAL HALIDE OR HIGH PRESSURE SODIUM)	1	REFERENCE NUMBER TO SHEET NOTE.
	WALL MOUNTED LIGHTING FIXTURE PROVIDED WITH EMERGENCY BATTERY.	T	THERMOSTAT
	WALL MOUNTED TYPE LIGHTING FIXTURE.	C	CLOCK OUTLET
	WALL MOUNTED TYPE LIGHTING FIXTURE PROVIDED WITH EMERGENCY BATTERY.		EPO SWITCH • EMERGENCY POWER OFF
	BATTERY OPERATED EMERGENCY LIGHTING UNIT WITH INTEGRAL AND/OR REMOTE HEAD(S) AS INDICATED ON PLAN DRAWINGS	K	SECURITY SYSTEM KEY PAD
	DIRECTIONAL SIGN (EXIT, STAIRS, ETC.) WITH ARROW(S) WHERE REQUIRED.		CLOSED CIRCUIT/SECURITY CAMERA
3,4	SWITCH: SINGLE POLE, 3-WAY, 4-WAY.	S V C	SMOKE DETECTOR: CEILING MOUNTED, DUCT TYPE.
KP	SWITCH: WITH PILOT LIGHT, KEY OPERATED.		KETS WORKSTATION OUTLET: (1) DATA. (1)VOICE AND (1) VIDEO/TV PORT
M	MOTOR STARTER SWITCH WITH OVERLOADS.		KETS WORKSTATION OUTLET: (1) DATA AND (1) VOICE PORT
	DUPLEX CONVENIENCE RECEPTACLE, 125V. GROUNDING TYPE.	2	KETS WORKSTATION OUTLET: DATA PORTS ONLY (NUMBER DENOTES NUMBER OF PORTS)
GFI	DUPLEX CONVENIENCE RECEPTACLE, 125V. GROUND FAULT INTERRUPTER TYPE.		KETS WORKSTATION OUTLET: VOICE/PHONE PORT ONLY
WP	DUPLEX RECEPTACLE, 120V, WEATHER PROOF.		KETS WORKSTATION OUTLET: VIDEO/TV PORT ONLY
	QUAD RECEPTACLE, 125V.	AFF	ABOVE FINISHED FLOOR
	PANELBOARD	AFG	ABOVE FINISHED GRADE
	DISCONNECT SWITCH	EMT	ELECTRICAL METALLIC TUBING
	COMBINATION STARTER/DISCONNECT SWITCH	GFI	GROUND FAULT INTERRUPTER
	MOTOR OR MOTOR OUTLET	GND	GROUND
		RSC	RIGID STEEL CONDUIT
		X-FMR	TRANSFORMER
		TYP	TYPICAL
		WP	WEATHERPROOF

STATE OF KENTUCKY — MATTHEW G. GURLEY 28685 — LICENSED PROFESSIONAL ENGINEER

CITY OF STANTON
CITY HALL & POLICE STATION
STANTON, KENTUCKY

DATE	REVISION	BY

© copyright
The drawings and specifications, documents, designs, subject matter considered confidential by Mayes, Sudderth & Etheredge, Inc. and as such, is the property of Mayes, Sudderth & Etheredge, Inc. has property rights, whether inside or outside copyright protection, in and to the drawings and specifications, documents, designs, subject matter considered confidential by Mayes, Sudderth & Etheredge, Inc. and therein, to utilize, or be used for any purpose without the written permission of Mayes, Sudderth & Etheredge, Inc.

PROJECT NO.	4065-04
DESIGNED BY	MGG
DRAWN BY	MGG
CHECKED BY	
REVIEWED BY	MGG
DATE	JUNE 2015
SCALE	AS NOTED

Mayes, Sudderth & Etheredge, Inc.
Engineers Architects Planners
624 Wellington Way
Lexington, Ky. 40503
Phone: (859) 223-5694
Fax: (859) 223-2607

DRAWING NO.

E-3

SHEET OF