

# Electrical Fixtures

2/12/2015

City of Gallatin

## 1.0 Introduction

The City of Gallatin Police Department is accepting bids for the purchase of **Electrical Fixtures** for the Police Annex Building located 411 South Water, Gallatin, TN. Bids will be due on February 24th, 2015 at 1:30 pm in a sealed envelope clearly marked: **Electrical Fixtures.**

## 2.0 Vendor Requirement

Vendor shall provide all electrical fixtures per drawing.

Vendor must provide individual material pricing for each electrical fixture.

Electrical fixtures must be equivalent to fixtures on drawings

Vendor must complete attached Price Sheet.

## 4.0 Evaluation of Proposals

The City of Gallatin will award the contract to lowest responsible and responsive bidder meeting specifications, quality, and performance standards pursuant to the Municipal Purchasing Act of 1983. Response will be based on the following factors;

- Completeness of response
- Cost
- Vendor track record, including references
- Quality of service
- Quality of product

## 5.0 Contract Award

The City of Gallatin reserves the right to reject any or all proposals and to waive any informality found therein. The City of Gallatin will award a contract based on evaluations described above.

## **6.0 Proposal Submission**

**BID DUE DATE: February 24<sup>th</sup>, 2015 @ 1:30p.m.**

Proposals shall be directed to the attention of:

Finance Department

Attn: J.R.Smith, Jr

132 West Main Street

Gallatin, TN 37066

Telephone: 615-451-5899

Cell: 615-946-4897

## **7.0 Technical Questions:**

**Contact: Lyndon Satterfield**

**Cell: 615-533-8704**

**PRICE SHEET: Company Name\_\_\_\_\_**

<u>Description</u>	<u>Price</u>
Panel MDP:	\$_____
Panel A1:	\$_____
Panel A2:	\$_____
Panel B:	\$_____
Panel U:	\$_____
Lighting Contactor	\$_____
DG221UGB:	\$_____
DG321URB	\$_____
DG323URB	\$_____
DG221URB	\$_____
DG322UGB	\$_____
Eagle Occupancy Sensor (Ivory)	\$_____
Metal Handy Box 4x4 inch	\$_____
Eagle SP com. SW IV	\$_____
20A Com Grade Dup Recp.	\$_____
½ EMT Conduit	\$_____
¾ EMT Conduit	\$_____
Blk.Wht. GRN MC Cable #12	\$_____
Blk.Wht. GRN MC Cable #10	\$_____
12 THHN STRD Black	\$_____
10 THHN STRD Black	\$_____

**PRICE SHEET: Company Name** \_\_\_\_\_

Lighting Fixtures: See Drawing E-1

Type A: \$ \_\_\_\_\_ Each

Type B: \$ \_\_\_\_\_ Each

Type C: \$ \_\_\_\_\_ Each

Type D: \$ \_\_\_\_\_ Each

Type EM: \$ \_\_\_\_\_ Each

Type EX: \$ \_\_\_\_\_ Each

Type F: \$ \_\_\_\_\_ Each

Type G: \$ \_\_\_\_\_ Each

Type H: \$ \_\_\_\_\_ Each

Type I: \$ \_\_\_\_\_ Each

Type K: \$ \_\_\_\_\_ Each

Type L: \$ \_\_\_\_\_ Each

Name of Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Email: \_\_\_\_\_

**GENERAL ELECTRICAL BID NOTES**

1. THE OWNER WILL SUPPLY ALL MATERIALS. CONTRACTOR SHALL INSTALL MATERIALS PROVIDED BY OWNER.
2. THE BASE BID SHALL INCLUDE PROVISIONS FOR A WIRING BELOW THE CEILING TO BE EXPOSED (CONDUITS AND WALL BOXES).
3. PROVIDE AN ALTERNATE BID TO CONCEAL WIRING BELOW THE CEILING IN THE WALLS.

NOTE: THE DIMENSIONS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. ORIGINAL DRAWING DATED 1945 WERE USED FOR BUILDING AND ROOM SIZES. THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS.

**GENERAL ELECTRICAL NOTES**

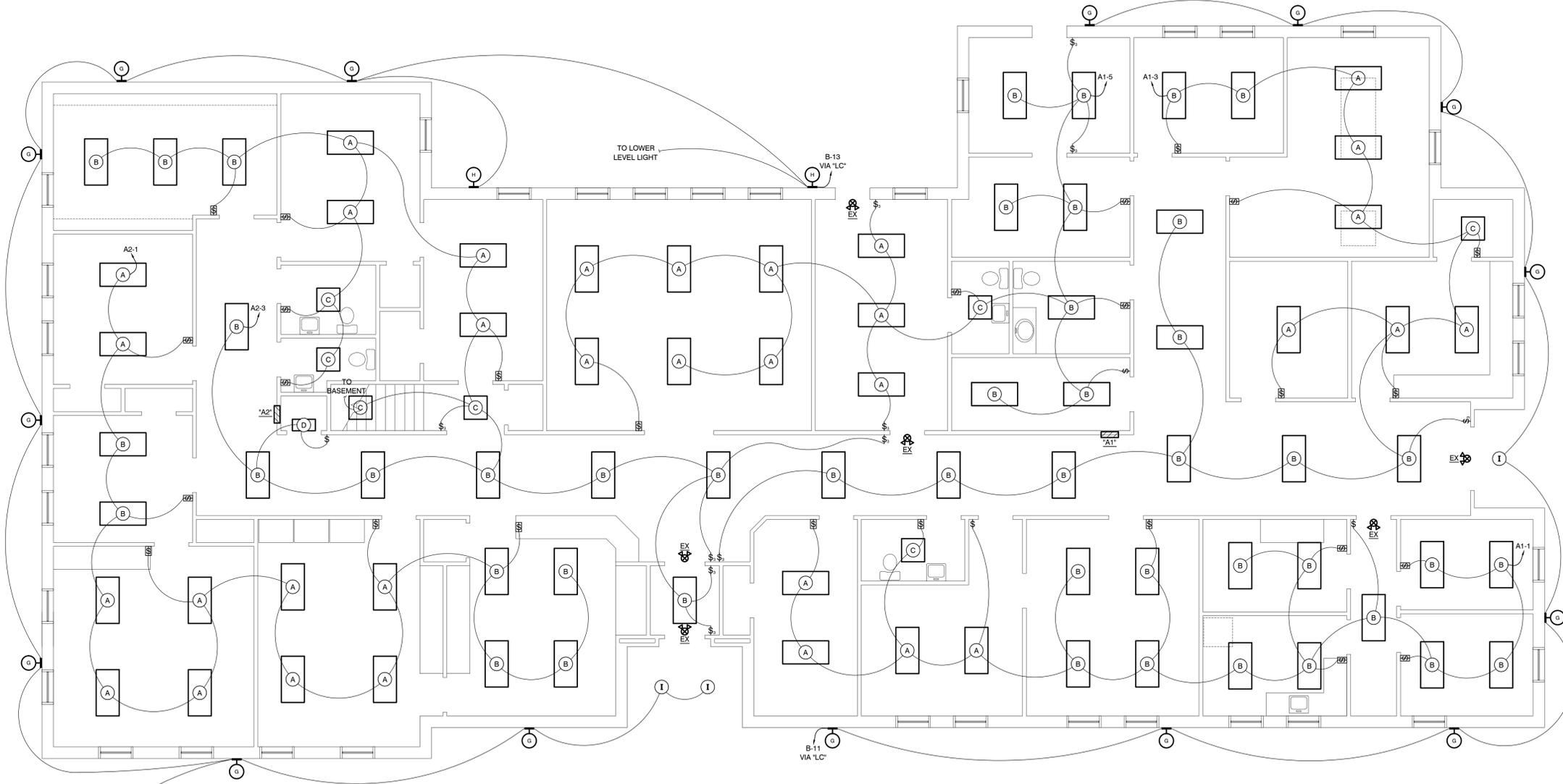
1. DEMO EXISTING ELECTRICAL WORK TO ACCOMMODATE NEW CONSTRUCTION. ALL POWER & LIGHTING CIRCUITS ARE #12 CONDUCTORS IN 1/2" CONDUIT OR MC CABLE, UNLESS OTHERWISE NOTED. WIRING SHALL BE CONCEALED IN FINISHED AREAS. INSTALL A GREEN GROUNDING CONDUCTOR IN EACH CONDUIT.
2. MAINTAIN MINIMUM 3'-0" CLEARANCE IN FRONT OF PANELS FROM FLOOR TO CEILING. PIPING, DUCTWORK, ETC. IS PROHIBITED IN THIS AREA.
3. VERIFY THE LOCATION OF RECEPTACLES, LIGHTING FIXTURES AND SWITCHING ARRANGEMENT WITH THE OWNER PRIOR TO ROUGH-IN.
4. ALL MECHANICAL EQUIPMENT MUST BE CAPABLE OF BEING DISCONNECTED FROM ITS POWER SOURCE.
5. COORDINATE ELECTRICAL WORK IN MECHANICAL ROOMS WITH MECHANICAL CONTRACTOR.
6. CIRCUITS TO EMERGENCY LIGHTS ARE NOT SHOWN. CONNECT TO UNSWITCHED LEG OF LIGHTING CIRCUIT.
7. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ONLY INDICATE A GENERAL ARRANGEMENT OF THE EQUIPMENT AND WIRING. DO NOT SCALE FROM THE DRAWINGS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY FIELD LOCATE ALL COMPONENTS OF THE ELECTRICAL WORK BASED ON CODE REQUIREMENTS, MANUFACTURERS INSTALLATION INSTRUCTIONS, AND COORDINATION WITH SITE CONDITIONS AND OTHER TRADES.
8. THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE ENGINEER OF ANY DESIGN DEFICIENCIES, OMISSIONS, ERRORS, OR CODE CONFLICTS, PRIOR TO SUBMITTING BID. CORRECTIONS REQUIRED POST BID SHALL BE AT CONTRACTORS EXPENSE.

**ELECTRICAL LEGEND**

	DUPLEX RECEPTACLE, 20A, IVORY, 16" AFF C - COUNTERTOP, E - RED COVER
	GFCI, 16" AFF, PROVIDE WP COVER OUTSIDE
	SWITCH, 20A, SINGLE, IVORY, 48" AFF 3 - 3 WAY
	WALL MOUNTED OCCUPANCY SENSOR, IVORY, 48" AFF
	CEILING MOUNTED OCCUPANCY SENSOR, IVORY
	COMMUNICATION OUTLET, WALL BOX WITH 3/4" CONDUIT TO ABOVE CEILING, PROVIDE 2, CAT6 CABLES TO NET SWITCH ROOM, 16" AFF
	WIRELESS ACCESS POINT, PROVIDE JUNCTION BOX ABOVE CEILING AND CAT6 CABLE TO NET SWITCH ROOM
	CAT 6 TO AV ROOM COORDINATE WITH OWNER
	CATV JACK, PROVIDE CATV CABLE TO NET SWITCH ROOM
	CAMERA ROUGH-IN WITH CABLE TO NET SWITCH ROOM 1 - CABLE TO AV ROOM
	DISCONNECT SWITCH, 48" AFF, NEMA 3R WHEN LOCATED OUTSIDE
	JUNCTION BOX
	2" C WALL SLEEVE UNLESS OTHERWISE NOTED
	PANEL
	EXHAUST FAN

**LIGHTING FIXTURE SCHEDULE**

TYPE	DESCRIPTION	LAMPS	MANUFACTURER	DETAILS
A	2'X4' FLUORESCENT TROFFER, 3 LAMP ELECTRONIC INSTANT START BALLAST, 125" LENSE, 120V	3-F32T8	LITHONIA 2GT8 3 32 A12125 MVOLT GEB10IS	PROVIDE GRID CLIPS
B	2'X4' FLUORESCENT TROFFER, 2 LAMP ELECTRONIC INSTANT START BALLAST, 125" LENSE, 120V	2-F32T8	LITHONIA 2GT8 2 32 A12125 MVOLT GEB10IS	PROVIDE GRID CLIPS
C	2'X2' FLUORESCENT TROFFER, 2 LAMP ELECTRONIC INSTANT START BALLAST, 125" LENSE, 120V	2-F17T8	LITHONIA 2GT8 2 17 A12125 MVOLT GEB10IS	PROVIDE GRID CLIPS
D	2' FLUORESCENT STRIP, 1 LAMP, ELECTRONIC INSTANT START BALLAST, 120V	1-F17T8	LITHONIA Z 217 MVOLT GEB10IS	
EM	EMERGENCY LIGHT WITH TWO SEALED HEADS, BATTERY BACKUP, 120V	INCL.	LITHONIA EU2 M6	
EX	EXIT LIGHT WITH DUAL EMERGENCY HEADS, BATTERY BACKUP, 120V	INCL.	LITHONIA ECR EL M6	
F	4' FLUORESCENT STRIP, 2 LAMP, ELECTRONIC INSTANT START BALLAST, 120V	2-F32T8	LITHONIA Z 232 MVOLT GEB10IS	
G	METAL HALIDE WALL PACK, WET LOCATION RATED, CUTOFF OPTICS, MAGNETIC BALLAST, 120V	1-70W MH	LITHONIA TWAC 70M MVOLT	MOUNT 7'-6" A.F.F.
H	COMPACT FLUORESCENT WALL PACK, WET LOCATION RATED, 120V	1-32W TRT	LITHONIA TWS 32TRT MVOLT	
I	COMPACT FLUORESCENT DOWNLIGHT, DIFFUSE REFLECTOR, 120V	2-26W	LITHONIA LFBN 2/26DIT MVOLT	RECESS IN CANOPY
K	2'X4' SURFACE MOUNT, 3 LAMP, 0.125 LENS, ELECTRONIC INSTANT START BALLAST, 120V	3-F32T8	LITHONIA 2M 332 A12125 MVOLT GEB10IS	
L	METAL HALIDE FLOOD, DARK BRONZE FINISH, 120V	1-70W MH	LITHONIA ASF1 70M HSP 120	MOUNT ON CONCRETE PAD

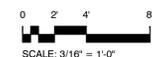


**FIRST FLOOR ELECTRICAL LIGHTING PLAN**

SCALE: 3/16" = 1'-0"

**ATTIC ELECTRICAL LIGHTING PLAN**

SCALE: 3/16" = 1'-0"



First Floor and Attic Electrical Lighting Plan and Schedules  
**Gallatin Police Department Annex**  
 411 South Water Ave.  
 Gallatin, TN 37066



NO.	DATE	DESCRIPTION
1.		
2.		
3.		
4.		
5.		

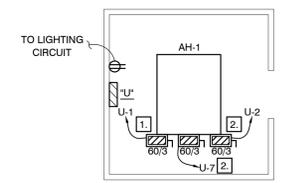
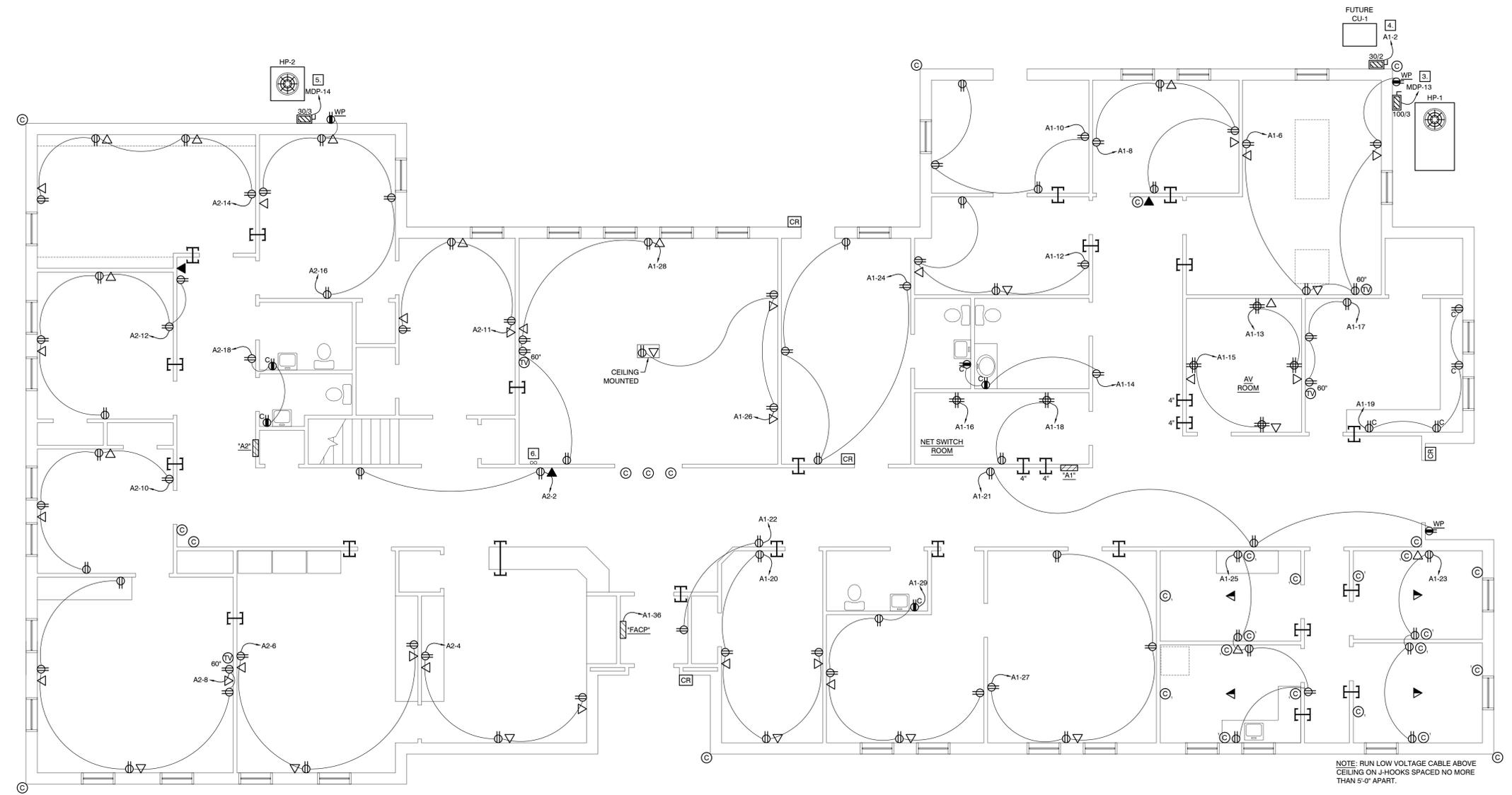
DATE: 12-22-14



**ELECTRICAL POWER PLAN NOTES**

- 1 AH-1: (50A, 208V/3) 4 #8, 1 #10G, 3/4" C. VERIFY.
- 2 AH-1 BACKUP HEAT: (40A, 208V/3) 2 #8, 1 #10G, 3/4" C. VERIFY.
- 3 HP-1: (60A, 208V/3) 4 #3, 1 #8G. REUSE EXISTING CONDUIT. EXTEND AS NEEDED.
- 4 CU-1: (20A, 208V/1) 2 #12, 1 #12G, 1/2" C. PROVIDE EMPTY 1/2" CONDUIT TO SERVER ROOM, CAPPED AND LABELED.
- 5 HP-2: (30A, 208V/1) 3 #10, 1 #10G, 1/2" C. REUSE EXISTING CONDUIT. EXTEND AS NEEDED.
- 6 2, 3" CONDUIT SLEEVES FOR LOW VOLTAGE WIRING.

NOTE: THE DIMENSIONS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. ORIGINAL DRAWING DATED 1945 WERE USED FOR BUILDING AND ROOM SIZES. THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS.



**ATTIC ELECTRICAL POWER PLAN**  
 SCALE: 3/16" = 1'-0"

**FIRST FLOOR ELECTRICAL POWER PLAN**  
 SCALE: 3/16" = 1'-0"

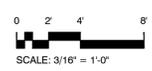
NOTE: RUN LOW VOLTAGE CABLE ABOVE CEILING ON J-HOOKS SPACED NO MORE THAN 5'-0" APART.

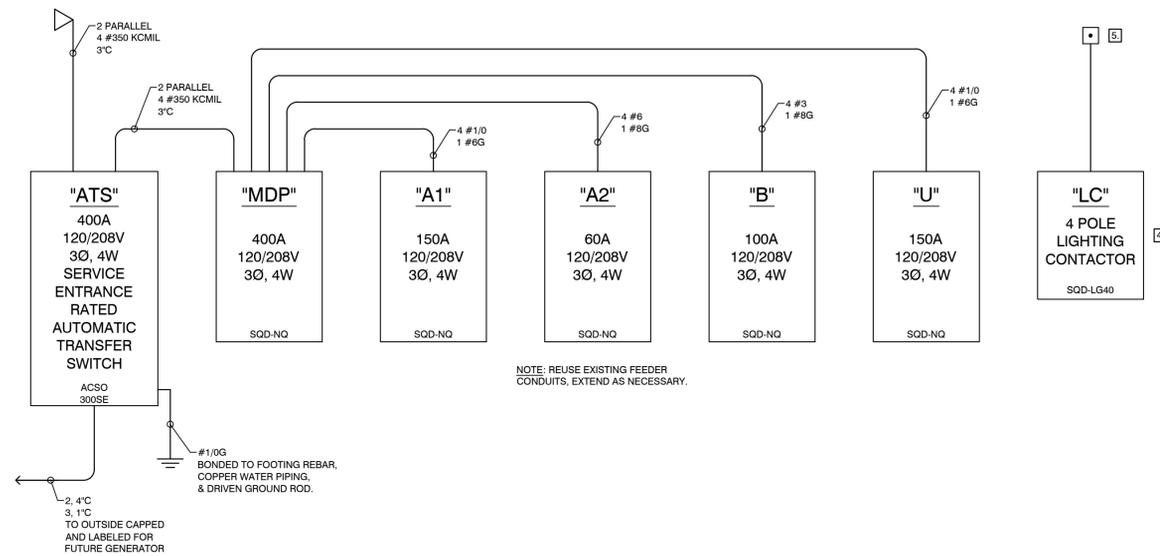
First Floor and Attic Electrical Power Plan and Schedules  
**Gallatin Police Department Annex**  
 411 South Water Ave.  
 Gallatin, TN 37066



NO.	REVISIONS	DATE
1.		
2.		
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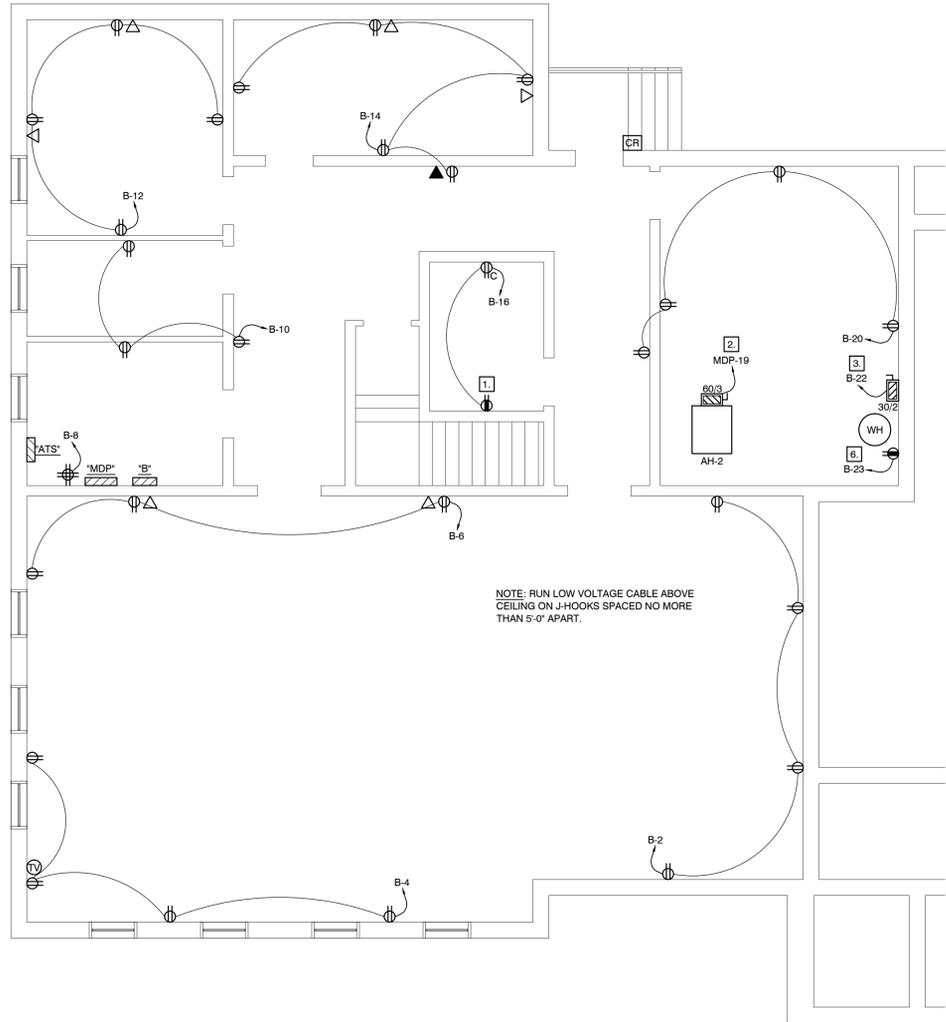
DATE: 12-22-14





**ELECTRICAL RISER DIAGRAM**

NTS



**BASEMENT ELECTRICAL POWER PLAN**

SCALE: 3/16" = 1'-0"

400A 120/208V, 3Ø, 4W 42CKT		PANEL										ØA = 371.6A ØB = 381.2A ØC = 368.4A	
		MDP											
DRAW	LOAD	WIRE	BKR:	#	A	B	C	#	BKR:	WIRE	LOAD	DRAW	
62.5	PANEL "A1"	#1/0	150A	1	X			2	60A	#6	PANEL "A2"	26.7	
58.1	LIGHTS	#12	20A	3	X			4	#12		RECEPTACLES	27.8	
55.2	SPARE	#12	20A	5	X			6	#12		RECEPTACLES	21	
30.8	PANEL "B"	#3	100A	7	X			8	150A	#1/0	PANEL "U"	120.8	
45.7	LIGHTS	#12	20A	9	X			10	#12		RECEPTACLES	118.8	
39.6	HP-1	#6	80A	13	X			14	30A	#1/0	HP-2	21.1	
64.7	RECEPTACLES	#12	20A	15	X			16	#12		RECEPTACLES	21.1	
64.7	RECEPTACLES	#12	20A	17	X			18	#12		RECEPTACLES	21.1	
45	AH-2	#6	60A	19	X			20	60A		SPARE	--	
45	SPACE ONLY	--	--	21	X			22	--		SPACE ONLY	--	
45	SPACE ONLY	--	--	23	X			24	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	25	X			26	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	27	X			28	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	29	X			30	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	31	X			32	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	33	X			34	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	35	X			36	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	37	X			38	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	39	X			40	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	41	X			42	--		SPACE ONLY	--	

NOTES:  
1. NON SE RATED.  
2. MAIN LUGS ONLY.  
3. SURFACE MOUNT.

TOTAL KVA: 134.54

60A 120/208V, 3Ø, 4W 42CKT		PANEL										ØA = 26.7A ØB = 27.8A ØC = 21.0A	
		A2											
DRAW	LOAD	WIRE	BKR:	#	A	B	C	#	BKR:	WIRE	LOAD	DRAW	
10.2	LIGHTS	#12	20A	1	X			2	20A	#12	RECEPTACLES	3	
9.8	LIGHTS	#12	20A	3	X			4	#12		RECEPTACLES	4.5	
--	SPARE	--	--	5	X			6	20A	#12	RECEPTACLES	4.5	
--	SPARE	--	--	7	X			8	20A	#12	RECEPTACLES	7.5	
--	SPARE	--	--	9	X			10	20A	#12	RECEPTACLES	6	
4.5	RECEPTACLES	#12	20A	11	X			12	20A	#12	RECEPTACLES	7.5	
--	SPARE	--	--	13	X			14	20A	#12	RECEPTACLES	6	
--	SPARE	--	--	15	X			16	20A	#12	RECEPTACLES	7.5	
--	SPARE	--	--	17	X			18	20A	#12	RECEPTACLES	4.5	
--	SPACE ONLY	--	--	19	X			20	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	21	X			22	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	23	X			24	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	25	X			26	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	27	X			28	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	29	X			30	--		SPACE ONLY	--	

NOTES:  
1. NON SE RATED.  
2. MAIN LUGS ONLY.  
3. FLUSH MOUNT.

TOTAL KVA: 9.06

150A 120/208V, 3Ø, 4W 42CKT		PANEL										ØA = 62.5A ØB = 58.1A ØC = 57.2A	
		A1											
DRAW	LOAD	WIRE	BKR:	#	A	B	C	#	BKR:	WIRE	LOAD	DRAW	
9.5	LIGHTS	#12	20A	1	X			2	20A	#12	CU-1	14	
9.6	LIGHTS	#12	20A	3	X			4	20A	#12	RECEPTACLES	14	
10.2	SPARE	#12	20A	5	X			6	20A	#12	RECEPTACLES	9.5	
--	SPARE	#12	20A	7	X			8	20A	#12	RECEPTACLES	6	
--	SPARE	#12	20A	9	X			10	20A	#12	RECEPTACLES	6	
39.6	RECEPTACLES	#12	20A	11	X			12	20A	#12	RECEPTACLES	6	
6	RECEPTACLES	#12	20A	13	X			14	20A	#12	RECEPTACLES	4.5	
4.5	RECEPTACLES	#12	20A	15	X			16	20A	#12	RECEPTACLES	3	
6	RECEPTACLES	#12	20A	17	X			18	20A	#12	RECEPTACLES	4.5	
6	RECEPTACLES	#12	20A	19	X			20	20A	#12	RECEPTACLES	6	
6	RECEPTACLES	#12	20A	21	X			22	20A	#12	RECEPTACLES	3	
6	RECEPTACLES	#12	20A	23	X			24	20A	#12	RECEPTACLES	4.5	
6	RECEPTACLES	#12	20A	25	X			26	20A	#12	RECEPTACLES	4.5	
6	RECEPTACLES	#12	20A	27	X			28	20A	#12	RECEPTACLES	6	
7.5	RECEPTACLES	#12	20A	29	X			30	20A	--	SPARE	--	
--	SPACE ONLY	--	--	31	X			32	20A	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	33	X			34	20A	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	35	X			36	20A	#12	SPACE ONLY	3	
--	SPACE ONLY	--	--	37	X			38	20A	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	39	X			40	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	41	X			42	--		SPACE ONLY	--	

NOTES:  
1. NON SE RATED.  
2. MAIN LUGS ONLY.  
3. FLUSH MOUNT.

TOTAL KVA: 21.33

100A 120/208V, 3Ø, 4W 42CKT		PANEL										ØA = 30.8A ØB = 45.7A ØC = 42.6A	
		B											
DRAW	LOAD	WIRE	BKR:	#	A	B	C	#	BKR:	WIRE	LOAD	DRAW	
8.8	LIGHTS	#12	20A	1	X			2	20A	#12	RECEPTACLES	6	
11.2	SPARE	#12	20A	3	X			4	20A	#12	RECEPTACLES	4.5	
--	SPARE	--	--	5	X			6	20A	#12	RECEPTACLES	4.5	
--	SPARE	--	--	7	X			8	20A	#12	RECEPTACLES	4.5	
--	SPARE	--	--	9	X			10	20A	#12	RECEPTACLES	6	
5.1	EXT. LIGHTS	#12	20A	11	X			12	20A	#12	RECEPTACLES	6	
5.5	EXT. LIGHTS	#12	20A	13	X			14	20A	#12	RECEPTACLES	7.5	
--	SPARE	--	--	15	X			16	20A	#12	RECEPTACLES	3	
--	SPARE	--	--	17	X			18	20A	#12	RECEPTACLES	6	
--	SPACE ONLY	--	--	19	X			20	20A	#12	SPACE ONLY	--	
--	SPACE ONLY	--	--	21	X			22	30A	#10	WATER HEATER	18	
--	SPACE ONLY	--	--	23	X			24	--	--	SPACE ONLY	18	
--	SPACE ONLY	--	--	25	X			26	--	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	27	X			28	--	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	29	X			30	--	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	31	X			32	--	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	33	X			34	--	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	35	X			36	--	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	37	X			38	--	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	39	X			40	--	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	41	X			42	--	--	SPACE ONLY	--	

NOTES:  
1. NON SE RATED.  
2. MAIN LUGS ONLY.  
3. SURFACE MOUNT.

TOTAL KVA: 14.29

150A 120/208V, 3Ø, 4W 42CKT		PANEL										ØA = 120.8A ØB = 118.8A ØC = 118.8A	
		U											
DRAW	LOAD	WIRE	BKR:	#	A	B	C	#	BKR:	WIRE	LOAD	DRAW	
46.6	AH-1	#8	50A	1	X			2	40A	#8	BACK UP HEAT	36.1	
46.6	SPARE	--	--	3	X			4	5		SPACE ONLY	36.1	
46.6	SPARE	--	--	5	X			6	--		SPACE ONLY	26.1	
36.1	BACK UP HEAT	#6	40A	7	X			8	20A	#12	RECEPTACLES	2	
36.1	SPARE	--	--	9	X			10	20A	--	SPACE ONLY	--	
36.1	SPARE	--	--	11	X			12	20A	--	SPACE ONLY	--	
--	SPACE ONLY	--	--	13	X			14	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	15	X			16	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	17	X			18	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	19	X			20	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	21	X			22	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	23	X			24	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	25	X			26	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	27	X			28	--		SPACE ONLY	--	
--	SPACE ONLY	--	--	29	X			30	--		SPACE ONLY	--	

NOTES:  
1. NON SE RATED.  
2. MAIN LUGS ONLY.  
3. SURFACE MOUNT.

TOTAL KVA: 43.0

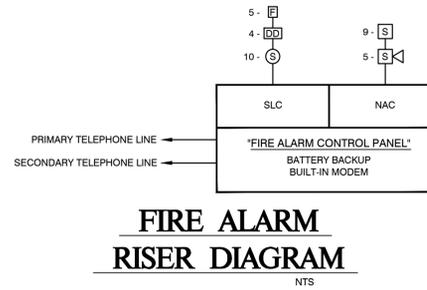
**ELECTRICAL POWER PLAN NOTES**

- RECEPTACLE FOR TOILET PUMP. COORDINATE WITH EXISTING CONDITIONS.
- AH-2: (60A, 208V/3) 3 #6, 1 #10G, 3/4°C. REUSE EXISTING CONDUIT. EXTEND AS NEEDED.
- WATER HEATER: (20A, 208V/1) 2 #10, 1 #10G, 1/2°C. REUSE EXISTING CONDUIT. EXTEND AS NEEDED.
- LIGHTING CONTACTOR, 4 POLE (B-11,13, 2 SPARE), ELECTRICALLY HELD. PROVIDE ON-OFF-AUTO SWITCH.
- PHOTOCELL FOR ON-AT-DUSK, OFF-AT-DAWN OPERATION. POINT AWAY FROM LIGHT SOURCES.
- HOT WATER RECIRCULATION PUMP: (20A, 120V) 2 #12, 1 #12G, 1/2°C.

NOTE: THE DIMENSIONS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. ORIGINAL DRAWING DATED 1945 WERE USED FOR BUILDING AND ROOM SIZES. THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS.

**MONTGOMERY ENGINEERING**  
Electrical and Mechanical Construction Engineers  
14140 West Main Street, Gallatin, TN 37066  
615-250-5085 www.montgomeryengineering.com

Job No. 14119

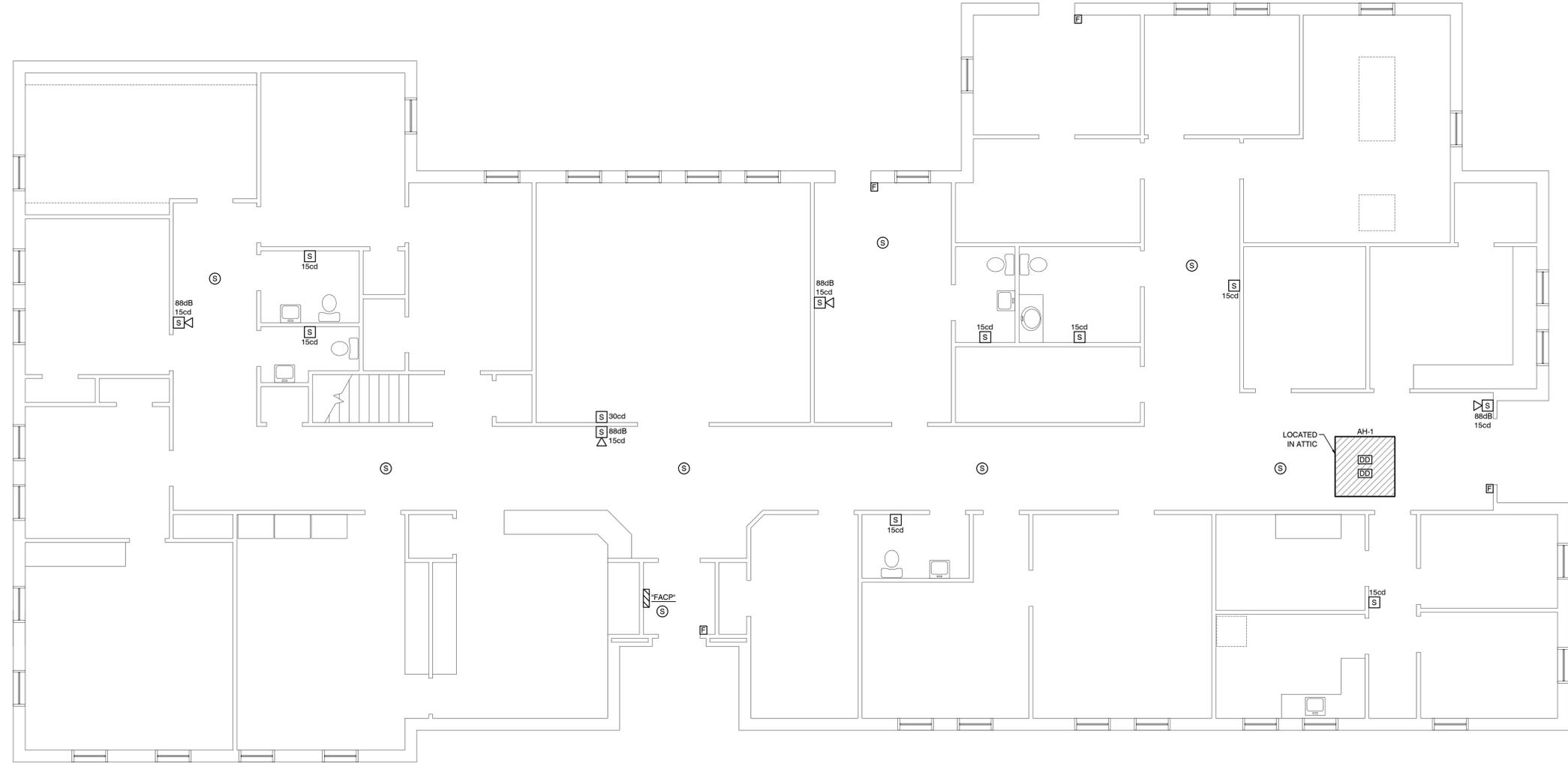


FIRE ALARM LEGEND	
"FACP"	FIRE ALARM CONTROL PANEL
[P]	MANUAL PULL STATION, 48" A.F.F.
[S]	WALL MOUNTED STROBE LIGHT, RATING IN CANDELAS SHOWN, 80" A.F.F.
[S]	WALL MOUNTED HORN/ STROBE, SPEAKER RATING IN DB AND STROBE RATING IN CANDELAS SHOWN, 80" A.F.F.
[S]	SMOKE DETECTOR
[DD]	DUCT SMOKE DETECTOR

NOTE: ALL REQUIRED DOCUMENTATION REGARDING THE DESIGN OF FIRE PROTECTION, ALARM, AND COMMUNICATIONS SYSTEMS AND THE PROCEDURES FOR MAINTENANCE, INSPECTION AND TESTING OF FIRE DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS SHALL BE MAINTAINED AT AN APPROVED, SECURED LOCATION FOR THE LIFE OF THE SYSTEM.

NOTE: THE DIMENSIONS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. ORIGINAL DRAWING DATED 1945 WERE USED FOR BUILDING AND ROOM SIZES. THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS.

- FIRE ALARM SYSTEM SPECIFICATIONS**
- THE FIRE ALARM CONTROLS MUST BE CERTIFIED IN ACCORDANCE WITH THE TENNESSEE ALARM CONTRACTORS LICENSING ACT.
  - THE FIRE ALARM SYSTEM SHALL BE A NFPA 72, CHAPTER 8 REMOTE STATION PROTECTED SIGNAL SYSTEM.
  - THE FIRE ALARM CONTROL PANEL SHALL BE AN ADDRESSABLE SYSTEM CAPABLE OF SUPPORTING 100 DEVICES ON ONE SLC AND EQUIPPED WITH A BUILT-IN COMMUNICATOR. THE PANEL SHALL PROVIDE 2 CLASS B STYLE Y NAC.
  - FIRE ALARM SYSTEM COMPONENTS SHALL BE UL LISTED, EQUAL TO THE FOLLOWING NOTIFIER BRAND PRODUCTS:  
 FACP - NFW-50  
 REMOTE POWER - FCPS2456  
 WALL HORN/STROBE - P2R(H)  
 WALL STROBE - SR(H)  
 STROBE - PC4R(H)  
 PULL STATION - BG12LX  
 SMOKE DETECTOR - SD355  
 DUCT SMOKE DETECTOR DNR
  - THE FIRE ALARM CONTROL PANEL SHALL BE PROVIDED WITH A DIGITAL ALARM COMMUNICATORS TRANSMITTER (DACT). THE OWNER WILL CONTRACT WITH A CENTRAL STATION MONITORING SERVICE. PROVIDE A 3/4" CONDUIT FROM FACP TO TTB FOR TWO TELEPHONE LINES (PRIMARY AND AUX.)
  - PROVIDE EMERGENCY BACK-UP BATTERY WITH SUFFICIENT CAPACITY TO PROVIDE STANDBY POWER FOR 24 HOURS, THEN ALARM FOR 5 MINUTES. SUBMIT BATTERY CALCULATIONS.
  - MULTIPLE STROBES THAT MAY BE VISIBLE FROM A GIVEN LOCATION SHALL BE SYNCHRONIZED.
  - PERMANENTLY IDENTIFY THE CIRCUIT BREAKER SERVING THE FIRE ALARM PANEL WITH RED MARKING. PROVIDE A LOCKING CLIP ON THE CIRCUIT BREAKER. PERMANENTLY IDENTIFY THE BREAKER LOCATION ON THE PANEL.
  - UPON ACTIVATION OF A DUCT DETECTOR, THE BLOWER SHALL SHUT DOWN AND AN ALARM SIGNAL SHALL BE SENT TO THE FACP. THIS CIRCUIT SHALL BE SUPERVISED.
  - DO NOT LOCATE SMOKE DETECTORS CLOSER THAN 3'-0" TO SUPPLY DIFFUSERS OR RETURN GRILLS, AND NOT CLOSER THAN 4" FROM A SIDEWALL.
  - CONCEALED WIRING SHALL BE OPEN RATED, TWISTED PAIR, SHIELDED. MINIMUM SLC WIRE SIZE SHALL BE 18 AWG (BELDEN 8574 OR EQUAL).
  - THE FIRE ALARM SYSTEM, COMPONENTS, AND INSTALLATION SHALL COMPLY WITH NFPA 72.

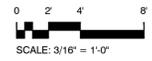


**FIRST FLOOR FIRE ALARM PLAN**  
SCALE: 3/16" = 1'-0"

First Floor Fire Alarm Plan and Schedules  
**Gallatin Police  
 Department Annex**  
 411 South Water Ave.  
 Gallatin, TN 37066



REVISIONS	DATE
1.	12-22-14
2.	
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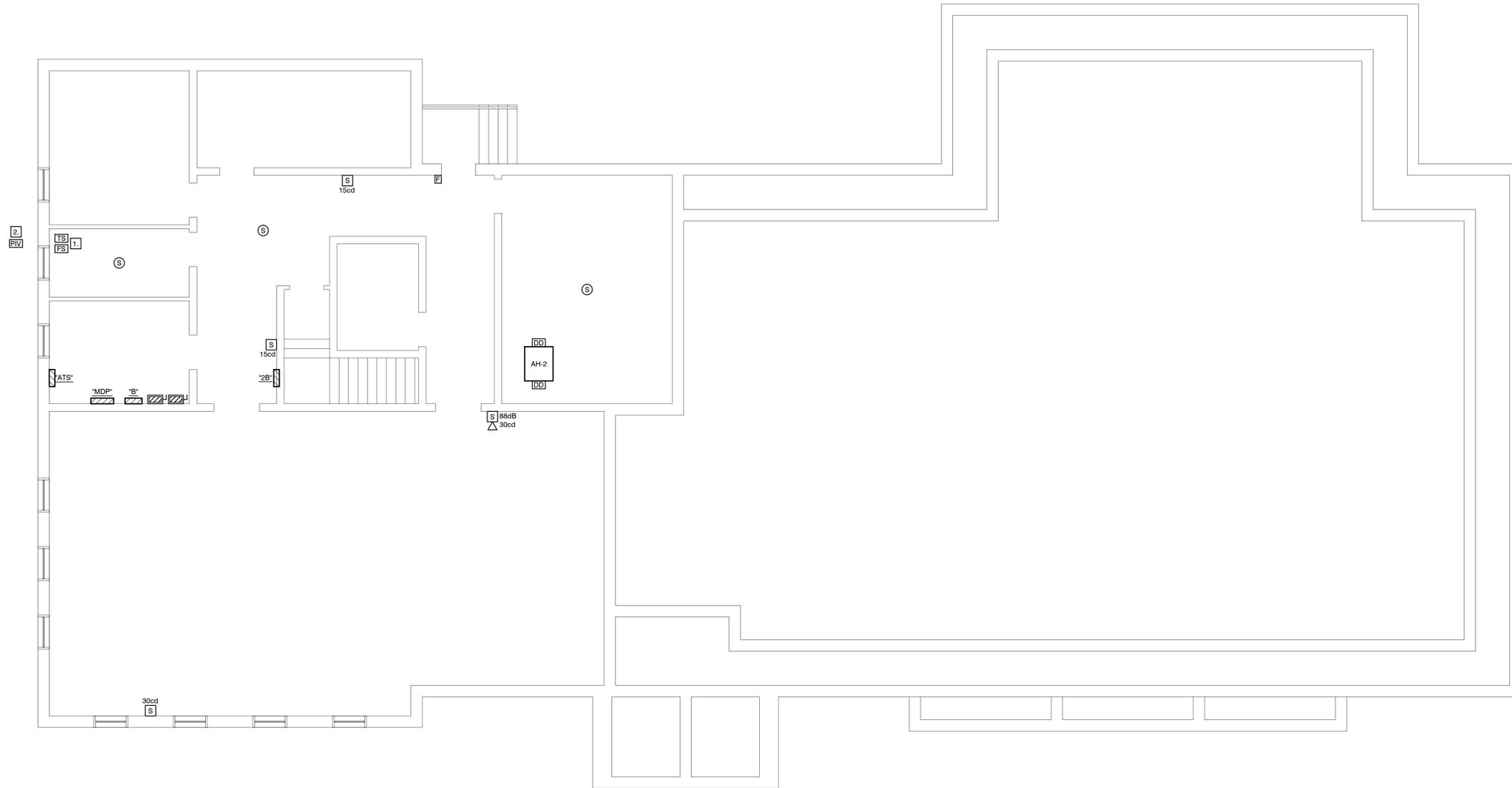


**MONTGOMERY  
 ENGINEERING LLC**  
 Electrical and Mechanical Construction Engineers  
 1140 West Main Street, Gallatin, TN 37066  
 615.250.9085 www.montgomeryengineering.com  
 Job No. 14119

**FIRE ALARM PLAN NOTES**

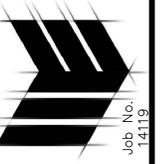
- 1] TS, FS, AND PIV SHOWN HERE FOR REFERENCE ONLY. REFER TO FIRE SPRINKLER DRAWINGS FOR EXACT LOCATION.
- 2] CONNECT 120V BELL.

NOTE: THE DIMENSIONS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. ORIGINAL DRAWING DATED 1945 WERE USED FOR BUILDING AND ROOM SIZES. THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS.



**BASEMENT FIRE ALARM PLAN**  
SCALE: 3/16" = 1'-0"

**MONTGOMERY ENGINEERING LLC**  
Electrical and Mechanical Construction Engineers  
1140 West Main Street, Gallatin, TN 37066  
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Job No. 14119

Basement Fire Alarm Plan and Schedules  
**Gallatin Police Department Annex**  
411 South Water Ave.  
Gallatin, TN 37066



REVISIONS	1.	2.	3.	4.	5.

DATE: 12-22-14

**E6**  
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