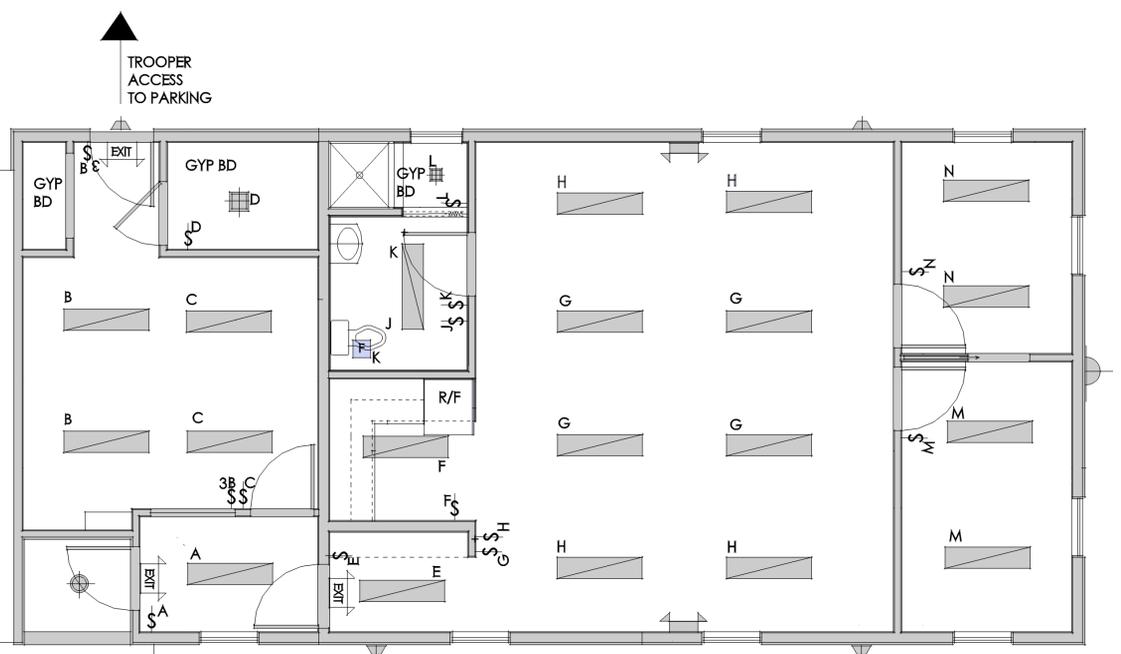


1
A5
ELECTRIC LAYOUT PLAN
1/4" = 1 FOOT



2
A5
REFLECTED CEILING PLAN
1/4" = 1 FOOT

LEGEND OF SYMBOLS

- 1X4 SURFACE MOUNTED FLUORESCENT 'DAY-BRITE SMR SURFACE MODULAR' WITH 2 / T-8 LAMPS
- ILLUMINATED EXIT / EMERGENCY LIGHT
- DUAL HEAD EMERGENCY LIGHT WITH BATTERY BACKUP
- STONCO LYTEPRO 16 ARCHITECTURAL LED WALL PACK ON TIMECLOCK AND PHOTOCELL
- STONCO LYTEPRO 32 ARCHITECTURAL LED WALL SCONCE ON TIMECLOCK AND PHOTOCELL
- TOILET EXHAUST FAN
- SINGLE POLE SWITCH
- THREE-WAY SWITCH
- DUPLEX RECEPTACLE
- GFI DUPLEX RECEPTACLE
- EXTERIOR WEATHERPROOF DUPLEX RECEPTACLE
- WIREMOLD SERIES 3000 RACEWAY / MTD 40" AFF PROVIDE DUPLEX OUTLETS @ 36" OC.
PROVIDE SECOND WIREMOLD SERIES 3000 RACEWAY / MTD 24" AFF FOR PHONE AND DATA AS PER LOW VOLTAGE SYSTEMS
- CALL-FOR-AID
- JUNCTION BOX
- EXTERIOR SURFACE MOUNTED CEILING FIXTURE / LED ON TIMECLOCK AND PHOTOCELL
- INTERIOR SURFACE MOUNTED LED FIXTURE
- SURFACE MOUNTED LED CEILING FIXTURE W/ PROTECTIVE CAGE
PROVIDE 8 FIXTURES IN BASEMENT AND 3 IN ATTIC

Plumbing Notes:

1. Provide new septic system as per Site Drawings by Harkin Engineering
2. Toilet Fixtures shall be ADA compliant:
Floor Mounted VC Toilet, low flush by American Standard or equal
Wall Hung VC Lavatory, by American Standard or equal, sensor activated faucet
Shower shall be transfer type, Acrylic, with grab bars as indicated
3. Kitchen sink shall be Elkay Stainless Steel with Symmons or equivalent single lever faucet, ADA Compliant
4. Provide 50 gallon electric hot water heater in basement
5. Insulate all cold and hot water piping.

HVAC Notes:

1. Provide Ductless-split-air-source heat pumps with interior wall mounted ductless indoor counsel units by Dakin or Mitsubishi. Each room to be equipped with dedicated thermostat and indoor wall mounted ductless split counsel unit.
2. Dedicated indoor ductless counsel unit will be provided in Office, Radio Room, Conference Room and Resident Trooper's Office.
3. Provide electric baseboard radiation units in Bathroom and Vestibule with individual wall mounted Thermostat.
4. Provide dedicated Heat recovery ventilation air intake system for building. Unit to be located in Attic adjacent to hatch. Supply and exhaust air shall be introduced and removed from the ceiling
5. Provide ceiling mounted electric unit heater in basement with wall mounted thermostat.

Electric Notes:

1. Provide new Electric service from RT 81, underground, to new meter on north side of the EOC
2. Provide new 200A, 240/120V, single phase, 3-wire with exterior combination 200 amp revenue Meter and 200 amp main breaker.
3. Building will have 100% power backup by generator. Provide 200 amp automatic transfer switch In basement, off load side of revenue meter. (GENERATOR PROVIDED UNDER SEPARATE CONTRACT)
4. Main panel board to be 200 amp, 120/240, plug-in type breakers, 40 circuits and stand alone TVSS

Low-voltage Systems:

1. There are two existing PVC conduits that go from the old Town Hall basement to the west wall of the existing barn. Extend two of the buried conduits from the barn to the EOC basement and install pull strings. Town of Killingworth will pull communication wiring from the Town Hall to the EOC through these conduits. From demark in the basement, provide 4 pair CAT 6 wire from each telephone jack and each data jack on first floor. Provide two data jacks for Resident Trooper's office and 16 data jacks for the EOC. Provide two telephone jacks for Resident Trooper's office and 16 telephone jacks for the EOC. Phones and other communications head end equipment will be provided by Town's communication consultant.
2. Provide a security system inclusive of 4 exterior building mounted, low-light, color CCTV cameras, Interior motion detectors to cover first floor and basement, and door contacts on each exterior door and entrance.
3. Provide addressable fire alarm control panel including horn and strobe in all rooms; manual pull stations by each egress door; and smoke detectors on each level. Provide connection to Fire Department for communication of alarm condition.

2009 IECC Compliance Notes:

1. All Heating Equipment shall comply with 2009 IECC Table 503.2.3(4) and (5)
2. All Interior Lighting shall comply with 2009 IECC Table 505.5.2:
3. Site Lighting shall comply with 2009 IECC 505.6.1 and 505.6.2
4. Lighting controls shall comply with 2009 IECC 505.2.2.1 and 505.2.2.2:
All lighting shall allow the occupant to reduce the connected lighting load by at least 50% OR
An Occupant Sensor shall turn lighting off within 30 minutes of an occupant leaving a space

NOTES:

1. All MEP work is being performed on a "Design/Build" basis. Each trade responsible for Permits and Drawings as necessary.
2. Electrical and Lighting Plan is for scope and layout purposes only. Contractor is responsible for all circuiting and wiring details.

This drawing is the property of the Architect, has been prepared specifically for the Owner for this Project at this site and is not to be used for any other purposes, location or owner without the written consent of the Architect.

ELECTRIC LAYOUT / REFLECTED CEILING PLAN

Emergency Operations Center 25 DECEMBER 2014
Town of Killingworth REV'D 5 JANUARY 2015
323 Higganum Road, Killingworth, CT

Design Two
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