

APPENDIX A

FACILITY: Anchorage Correctional Center - East

COMMENT

CATEGORY:

Hand-written arc flash stickers present on equipment. Remove/replace.

General

Panel AEH2: Open space, no cover for circuit #17

Safety

Work at service entrance, including new generator circuit breakers, transfer switches, and MDP, is scheduled for Spring 2018. Contractor should perform study based on new line-up and provide stickers for gear once installed.

General

FACILITY: Anchorage Correctional Center - West

COMMENT

Hand-written arc flash stickers present on equipment. Remove/replace.
Pad-mounted transformer and Panel 'H' shown in original parking lot not found.
Verify and remove from one-line diagram.

CATEGORY:

General

General

FACILITY: Anvil Mountain Correctional Center

COMMENT

CATEGORY:

MDP has 34" working clearance to satellite rack.	Code
MDP circuit breakers are labeled "Service Disconnect".	General
Auto/Test switch has been removed from automatic transfer switch.	General
Equipment is stacked around the 30kVA transformer for Panel EL.	Code
Panel KL: Open gaps above/below the deadfront, bus exposed. It looks like there are panels missing.	Safety
Per facility personnel, circuit breakers, particularly GFCI, are not locally available for GE panels and make replacement difficult.	General
Panel KH: Panel unlocked in inmate accessible area. Panel schedule is not accurate.	General
Panel KH: Grease/dust buildup on door, interior condition unknown.	Safety
Kitchen: Surface EMT to Insta-Hot using single hole conduit straps and no tamper-resistant fasteners in inmate-accessible area.	General
Panel KLB: Glycol lines routed directly overhead.	Code
Headbolt heater receptacles: Rusty, covers missing.	Safety
Utility Building: Auto/Test switch removed from ATS.	General
WWTP: No disconnecting means for generator power at building.	Code
WWTP: Panels unlocked in inmate accessible areas.	General

FACILITY: Fairbanks Correctional Center

COMMENT

Unit III: Panel EM-2 source needs verified and one-line updated.

Outside Maintenance Shed: Could not verify panel and disconnecting means at time of site visit. Verify and update one-line/site plan.

Unit I: Panel 'E' is marked 'M', Panel 'M' has no markings. Add nameplates.

CATEGORY:

Follow-up

Follow-up

General

FACILITY: Goose Creek Correctional Center

COMMENT

Unable to determine size of smaller security UPS's.

CATEGORY:

Follow-up

FACILITY: Hiland Mountain Correctional Center

COMMENT

CATEGORY:

Equipment connections shown at the Hobby Craft building have not been made yet. This work to be performed by facility personnel.

General

Building T (Maintenance): No secondary overcurrent protection for 45kVA transformer.

Code

Verify feeders/circuit breakers from DP-EB, main building to DP-ED, DP-BE/AE

Follow-up

FACILITY: Ketchikan Correctional Center

COMMENT

CATEGORY:

Feeder circuit breaker to Panel 'L2E' is not marked. Verify and update.

Follow-up

There are a number of panels that have been added and are not on record drawings. Verify feeder sizes.

Follow-up

No markings on utility transformer to confirm size.

Follow-up

Generator 117: Door swings into Housekeeping 116, and should have listed panic hardware due to the size of gear in the room. Room should have 2 exits or twice working clearance from gear to door, though this is probably not feasible for the space.

Code

Working clearance from MDP to generator is 44". Equipment is 277/480V and both could have exposed live parts, so working clearance should be 48".

Code

FACILITY: Mat Su Pre-Trial

COMMENT

Panel M - Working Clearance violation with Desk.

Panel A - Working Clearance violation with Cabinet.

CATEGORY:

Code

Code

FACILITY: Lemon Creek Correctional Center

COMMENT

CATEGORY:

GDP, Main Building: Circuit breaker labeled "Learning Lab", no panel found. Panel Y found in fan room near tower, no Panel Y on distribution panels. Suspect these are the same, facility could not confirm.	Follow-up
GDP, Main Building: Circuit breaker labeled "Panel N, Phone Room". No panel was found. Verify feeders are connected and trace, or mark spare if no panel connected to this circuit breaker.	Follow-up
Mech 111, Main Building: Subpanel fed from Panel LC – could not find. May be in Caribou Hut, which could not be accessed at the time of the site visit.	Follow-up
Arts & Crafts Shop 1013, 2nd Floor, Main Building - 6-space load center in this room, no markings to identify source. Verify and update one-line diagram.	Follow-up
Verify Caribou Hut has local disconnecting means for panel.	Follow-up
MCC-1, Utility Building: Verify feeder circuit breaker size for transformer for Panel 'LB'. No markings found.	Follow-up
Maintenance Shop - Back Shop panel has no local disconnecting means (fed from Utility Building).	Code

FACILITY: Palmer Correctional Center

COMMENT

CATEGORY:

Guard Shack fed from Housing H1 was locked up, could not verify panel.	Follow-up
MDPE, Administration Building: 200A CB, unknown load.	Follow-up
MDPE, Administration Building: Spare CB, unknown size.	Follow-up
Administration Building: There were a number of added panels, feeder size unknown.	Follow-up
Maintenance Shop MDP: Panel Schedule blank, not clear what circuit breakers feed each panel. Verify and update schedule/one-line.	Follow-up
Administration Building: Water pipe routed over Panel '4K'.	Code
Panel MDP in Maintenance shop - Working Clearance violation with Filing cabinet	Code
Administration Building panels Unknown how they are fed.	Follow-up
Panel 'AA' has water pipe over panel.	Code
Panel 'J','J1','J2' in Program & Support Building had water piping over panels, and were behind washer and dryers.	Code

FACILITY: Point McKenzie Correctional Farm

COMMENT

CATEGORY:

Maintenance Shop: Industry sub-panel, verify how it is fed.

Follow-up

Kitchen: The pad-mounted transformer size is unknown.

Follow-up

Kitchen Building: There are a number of unknown feeder sizes on the MDP.

Follow-up

Processing Room: Verify transformer sizes for the Processing Panels and Freezer Panel.

Follow-up

Existing Industry sub panel: Unknown how fed.

Follow-up

FACILITY: Spring Creek Correctional Center

COMMENT	CATEGORY:
Motor Pool Building: No local disconnecting means for feeder from Warehouse.	Code
New Motor Pool Building: No local disconnecting means for feeder from Motor Pool.	Code
Motor Pool: Panel 6N/Transformer T6: No overcurrent protection for secondary conductors from transformer.	Code
Warehouse: Could not locate Transformer T24 during site visit.	Follow-up
Warehouse: Verify voltage of paralleling switchboard and attached equipment. Per record drawings, voltage is 4160, as is generators, but source and load is 12470. Not clear what true ratings are.	Follow-up
Warehouse: Fuel Pump Panel appears to be fed from a 30A/2P circuit breaker in Panel '5X'. Verify.	Follow-up
Warehouse: No panel schedule in Panel '5X'.	General
APS 3rd Floor: Panel 'E' circuit breaker to MTS 'D' is off. Not clear why, and if breaker can be turned on in event of power loss of normal power.	Follow-up
APS 3rd Floor: It appears Panel 'N' on the first floor is fed from a 125A/3P circuit breaker in Panel 'P', but nothing is marked to confirm. Verify.	Follow-up
House 1: No panel schedule in Panel '4XA'.	General
House 2/3: Equipment in Janitor/Storage rooms on 1st floor showing signs of rust/corrosion. Monitor for potential replacement, verify interior condition.	General

FACILITY: WILDWOOD CORRECTIONAL CENTER

COMMENT

CATEGORY:

Building 12: No local disconnecting means for exterior green house panel.	Code
Building 14: Equipment is very old, covers missing, breakers loose, conductors in poor condition.	Safety
Building 7: It is unclear how Panel 'Z' is fed. Verify and update one-line.	Follow-up
Building 6: Panel '6C' could not be located.	Follow-up
Building 3: Connection to site electrical unclear. Verify.	Follow-up
Building 10: Unclear how kitchen panels are connected.	
Building 10: Panels 'R1' and 'R2' have less than 18" working clearance.	Code
Building 10: Naming convention for panels is not consistent between distribution equipment and panels, making it difficult to verify connections. Recommend updating panel nameplates and circuit breaker tags/nameplates to match.	General
Building 10: It is not clear how Panel 'EM' on the 3rd floor is fed.	Follow-up
Building 10: It is not clear how Panels 'K1' and 'K2' are fed.	Follow-up
Building 10: It is not clear how the 1C/2C/3C panels are fed. It is assumed they connect to one of the basement panels. Verify.	Follow-up
Building 10: It is not clear if the basement panels feed to panels above in the manner indicated on the one-line diagram.	Follow-up
Building 10: Post 6 panel was opened while on-site and has airborne debris from floor buffer coating internal components.	Safety

FACILITY: Yukon-Kuskokwim Correctional Center

COMMENT

CATEGORY:

The Tin Shed with flammable storage is temporarily connected to power through a flexible cord from the freezer module. This storage area needs to be evaluated for hazardous classification and requirements for any electrical installation.

Safety

Fire Pump feeder size is unknown.

Follow-up

Panel XK: There is a 175A/3P circuit breaker in the panel in the 'ON' position. Per facility personnel, they don't believe this serves anything, but this should be verified.

Follow-up

Generator Room door swings into Maintenance Office. Due to size of gear in the room, this door should have listed panic hardware. There is an exterior door which would serve as a better exit, but the facility keeps it padlocked for security.

Code

MDP: There is a 300A circuit breaker for Panel 'L', which was located in the Maintenance Office per record drawings. Panel was not found, and facility personnel could not recall seeing it. Verify whether there are feeders connected to circuit breaker and trace, or mark circuit breaker spare and update drawings if not.

Follow-up

Caribou Hut: No disconnecting means for building. Load center does not appear to have a main circuit breaker.

Code