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August 12, 2021

**Addendum Number 1**  
**Invitation to Bid 21-25-209142**  
**ARRC Building 6 Electrical Distribution Upgrades**

This addendum is being issued to provide information as follows:

1. The following two items were handed out at the pre-bid walk-through and are attached.
  - a. Attachment 1 – Building 6 flowchart
  - b. Attachment 2 - Building 6 One Line Electrical Diagram

**Questions and Answers:**

2. Q: Article 11.5 Extensions due to delays does not expressly address delays to manufacturers post COVID manpower delays. There are applicable pay items that most likely will have delays of months after submittal approval.  
Will project extensions be granted for manufacturer materials delays or should the applicable liquidated damages be added to the bid?  
  
A: If you anticipate project delays due to specific materials, these should be addressed prior to bidding. ARRC may grant proposed substitutions or alternate deadlines to the project; however, it is ARRC's desire to meet ARRC proposed schedule.
3. Q: What is the manufacturer & catalog number for Building 6 MDP?  
  
A: Square D. Catalog # HCW 2359-8
4. Q: Has a review of the existing-to-remain electrical service equipment been conducted to determine whether those installations are in conformance with section 26 05 48?  
  
A: Yes, a review has been performed and those installations are in conformance.
5. Q: Ref. drawing 4 - Has a review of the existing channel support structure suspended from the roof of building 27 been conducted to determine whether said channel complies with the installation requirements set forth in sections 26 04 29 & 26 05 48?

A: Yes, a review has been performed and said channel complies with the installation requirements.

6. Q: If the existing service equipment does not comply with the relevant sections of 26 05 48, will Contractor be required to remedy this deficiency?

A: No, if the existing service equipment does not comply with the relevant sections, ARRC will either supply the equipment or may negotiate a change order to the contract for purchase of the needed equipment.

7. Q: If the existing channel support structure does not comply with the relevant sections of 26 04 29 & 26 04 48, will Contractor be required to remedy these deficiencies?

A: No, if the existing channel support structure does not comply with the relevant sections, ARRC will either remedy the issue or may negotiate a change order to the contract to allow the Contractor to remedy the issue.

8. Q: Will Contractor be required to provide a SWPPP?

A: No, a SWPPP is not needed for this project.

9. Q: Are existing parking lot markings required to be restored after paving?

A: No, pavement striping is not part of this contract.

10. Q: Is the new 480:2400V transformer the only piece of equipment that is anticipated to require to need a manufacturer's representative to perform customer training under Section 26 05 01 1.16 (B)?

A: Yes, Contractor shall provide a manufacturer's representative to perform customer training for only the 480:2400V transformer.

11. Q: Due to limited availability of 3-1/2" Rigid Steel Conduit, is it acceptable to provide 4" RSC and associated fittings instead?

A: Yes, 4" RSC and associated fittings are an acceptable substitution.

12. Q. Does the existing transformer that is scheduled for removal contain any PCBs? Can we get a copy of the nameplate, or be able to take a picture of the nameplate at the walkthrough?

A: No, the existing transformer is not known to contain any PCBs. Yes, pictures are allowed during the pre-bid walk-through.

13. Q. Can we shut down the power during the week?

A: Contractor will need to furnish generators to supply power to ARRC staff if there is a need to shut down the power to the building down during the week; however, generator supplied power for ARRC staff is not required on the weekends.

14.Q. What is the ARRC Building 6 staff work shift?

A: ARRC employee day shift is 6:00 am to 2:00 pm, Contractor will need to work around employees if you choose to work during those hours; however, after-hour work may be approved.

15.Q. What are the underground pipe requirements?

A: Ridged on the exposed areas and HDPE underground.

16.Q. Due to long-lead times, does the electrical transfer have to happen by end of season?

A: The Electrical transfer can be installed during the spring 2022; however, the underground work must be completed by end of this season.

17.Q. Would ARRC allow a larger transformer if one was available?

A: A larger transformer would be allowed if it meets the rest of the requirements.

18.Q. What is ARRC COVID mandate for contractors?

A: The ARRC has a strict mandatory mask mandate as stated in the ITB. If any contractor personnel are found not following the proper mask protocol on this project, they will be removed from the project immediately, no warnings will be given.

19.Q. Is HDPE or PVC allowable for the underground installation?

A: Yes, HDPE or PVC is allowable.

20.Q. The unit schedule calls for RSC, EMT is currently being used inside building 27. Is EMT acceptable for inside use?

A: Yes, EMT is acceptable for inside use.

21.Q. Does mounting hardware exist inside the Siemens panel for the new 600A breaker?

A: No, mounting hardware does not exist inside the Siemens panel for the new 600A breaker.

22. Q. Are seismic calculations and stamped drawings required for the new Unistrut rack to complete the interior installation for building 27?

A: No, seismic calculations and stamped drawings are not required.

23. Q. Are stainless enclosures required for the exterior of the buildings or is painted 3R acceptable?

A: Either one will be acceptable.

24. Q. Will Anchorage Muni permits be required?

A: Municipality of Anchorage permits are not required for this project.

25. Q. Will compaction testing be required for the parking lot area?

A: No, compaction testing is not required.

26. Q. Will landscaping be required around the transformer?

A: No, landscaping is not required.

27. Q. Will the transformer pad be reused?

A: Yes, the transformer pad will be reused.

28. Q. Is any of the project work inside the ARRC flagging boundary? If so, is ARRC providing the flagging at no cost to the contractor?

A: ARRC does not anticipate flagging for this project; however, if flagging is needed, ARRC will supply the flagger.

29. Q. Can in-situ material be used in the parking lot?

A: Yes, in-situ material may be used in the parking lot.

30. Q. In Appendix A, 6. Statement of Qualifications; what is ARRC requiring for this?

A: Appendix B, Page 9 of the ITB further explains what is needed to meet this requirement. A letter format is sufficient.

All other dates, terms, and conditions remain unchanged.

Acknowledge receipt of this and all addenda in your firm's Construction Bid Form (Form 395-0121).

Sincerely,

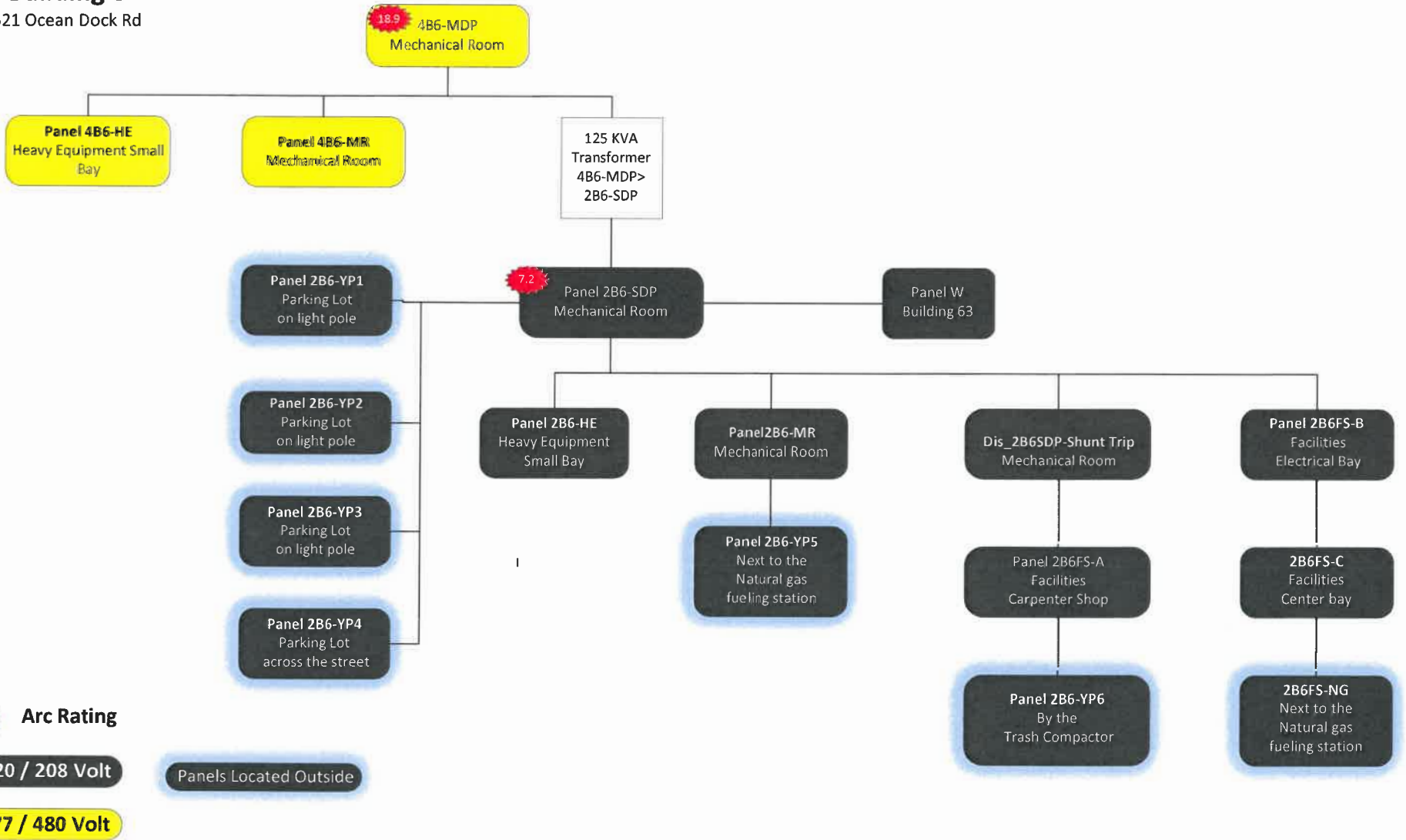
*Michele Hope*

Michele Hope  
Contract Administrator  
Alaska Railroad Corporation

# Attachment 1 - Building 6 flowchart

## Building 6

521 Ocean Dock Rd



# Attachment 2 - Building 6 One Line Electrical Diagram



**Harold Wirum  
& Associates,  
Architects**  
100 L. Street, Suite 300 Anchorage, Alaska 99501-7998, Tel. 907. 278. 1900

**Alaska Railroad  
Anchorage Yard  
Shop Building**

Revisions

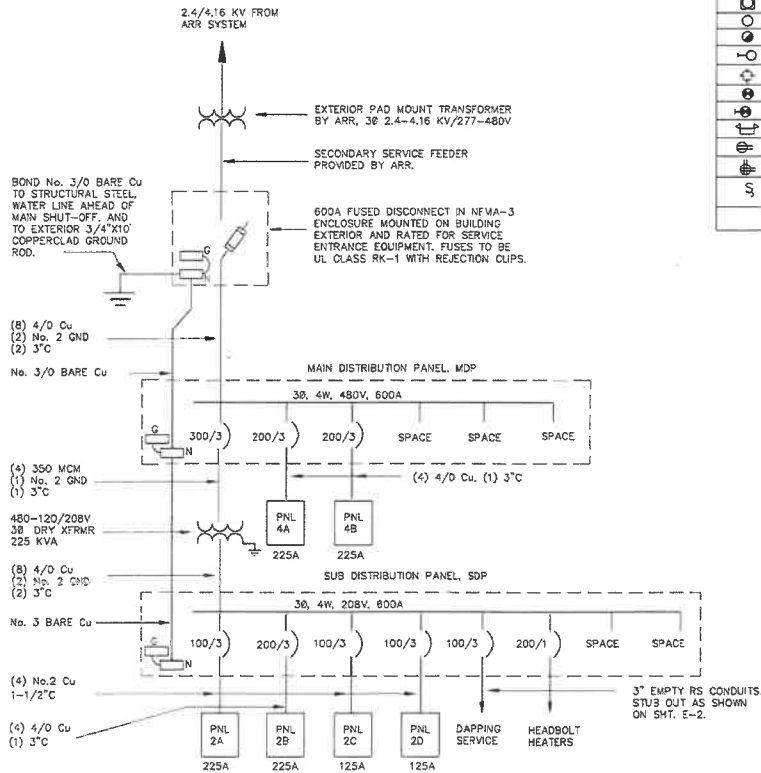
Project: HW-01  
Date: 2/10/89  
Drawn: M.B.  
Check: M.B.

Electrical Legend,  
One-Line Diagram

Sheet No.  
**E1** of

413701

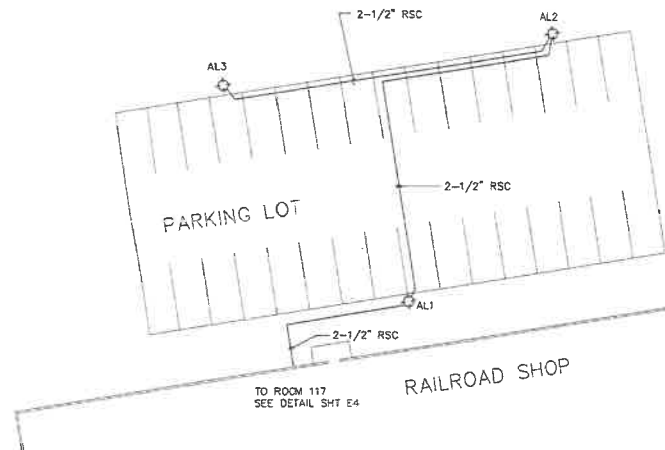
ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(SF-3)	FIXTURE TYPE, SEE SPECIFICATIONS	—	HOVERUN WITH INDICATED NUMBER OF CONDUCTORS. ALL UNMARKED RUNS ARE 1/2" WITH 2-#12, UNLESS OTHERWISE NOTED. (GND CONDUCTORS ARE REQUIRED BUT NOT SHOWN)
[Symbol]	FLUORESCENT LIGHTING FIXTURE, SURFACE MOUNTED	[Symbol]	DISTRIBUTION PANEL
[Symbol]	FLUORESCENT LIGHTING FIXTURE, PENDANT MOUNTED	[Symbol]	TRANSFORMER
[Symbol]	FLUORESCENT LIGHTING FIXTURE, WALL MOUNTED	[Symbol]	MOTOR, NUMBER INDICATES HORSEPOWER (3-PHASE) F - INDICATES FRACTIONAL HORSEPOWER (1-PHASE)
[Symbol]	RECESSED H.I.D. LIGHTING FIXTURE	[Symbol]	COMBINATION MAGNETIC STARTER/DISCONNECT (NON-FUSED)
[Symbol]	SUSPENDED H.I.D. LIGHTING FIXTURE	[Symbol]	PUBLIC TELEPHONE OUTLET - WALL
[Symbol]	SUSPENDED H.I.D. LIGHTING FIXTURE WITH MERCURY START	[Symbol]	PHOTOELECTRIC CONTROL RELAY
[Symbol]	INCANDESCENT OR H.I.D. LIGHTING FIXTURE, WALL MOUNTED	[Symbol]	CIRCUIT BREAKER (AMPS/# POLES)
[Symbol]	INCANDESCENT PORCELAIN FIXTURE	[Symbol]	FIRE ALARM MANUAL PULL STATION
[Symbol]	EXIT SIGN, SELF ILLUMINATED, CEILING MOUNTED	[Symbol]	FIRE ALARM HORN/STROBE COMBINATION
[Symbol]	EXIT SIGN, SELF ILLUMINATED, WALL MOUNTED	[Symbol]	FIRE ALARM CONTROL PANEL
[Symbol]	EMERGENCY WALL PACK, WALL MOUNTED	[Symbol]	EXTERNAL BELL ALARM
[Symbol]	DUPLEX RECEPTACLE OUTLET, WALL MOUNTED		
[Symbol]	QUADRUPLEX RECEPTACLE OUTLET, WALL MOUNTED		
[Symbol]	WALL SWITCH, SUBSCRIPT 3 INDICATES THREE-WAY		



ONE LINE DIAGRAM

NTS

- NOTES: 1. PROVIDE CONTINUOUS GROUND CONDUCTOR THRU TRANSFORMER ENCLOSURE. PROVIDE CONDUIT GROUND BUSHINGS.  
2. ADD SHUNT TRIP TO MAIN CIRCUIT BREAKER FOR PANELS 2A, 2B, 2D, AND 4A. LOCATE "PUSH" BUTTON NEAR ENTRANCE TO EACH SHOP AREA.



PARKING LOT LIGHTING DIAGRAM

NTS

- NOTE: 1. CONDUIT TO BE BURIED MIN OF 24" BELOW FINISHED GRADE. SEE DETAIL SHEET E4.  
2. SEE CIVIL PLAN FOR LIGHT LOCATIONS.

