



**Date:** October 20, 2021

**Project:** Nunapitchuk Construction

**Solicitation No.:** 22012

**Addendum No. Six**

TO ALL PLANHOLDERS:

The enclosed addendum amends the bid documents for the above referenced Project.

Acknowledgment of this addendum is required on the Proposal Form. Failure to do so may subject the bidder to disqualification.

Sincerely,

DocuSigned by:  
*Selwin C. Ray*  
0A1919DCB4834AC...

Selwin C. Ray  
Contracting Officer

<b>ADDENDUM TO CONTRACT DOCUMENTS</b>	<b>Page Number</b> 1	<b>No. of Pages</b> 9
<b>Addendum No. SIX</b>	<b>Date Addendum Issued:</b> October 20, 2021	
<b>Issuing Office</b> Selwin Ray Alaska Energy Authority 813 W Northern Lights Blvd Anchorage, AK 99503 Phone: (907) 771-3035 Fax: (907) 771-3044	<b>Previous Addenda Issued</b>  FIVE	
<b>Project:</b> Nunapitchuk Construction Procurement <b>Solicitation No.:</b> 22012	<b>Date and Hour Bids Due:</b> October 22, 2021 at 2:00 p.m., prevailing Anchorage time.	

**NOTICE TO BIDDERS:**

**Bidders must acknowledge receipt of this addendum prior to the hour and date set for the bid due date by one of the following methods:**

- (a) By acknowledging receipt of this addendum on the proposal form submitted.
- (b) By email or telefacsimile which includes a reference to the project and addendum number.

The bid documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a mandatory requirement and any bid received without acknowledgment of receipt of addenda may be classified as not being a responsive bid. If, by virtue of this addendum it is desired to modify a bid already submitted, such modification may be made by email or telefacsimile provided such an email or telefacsimile makes reference to this addendum and is received prior to the opening hour and date specified above.

\*\*\*\*\*

The Bid documents for the above project are amended as follows (All other terms and conditions remain unchanged):

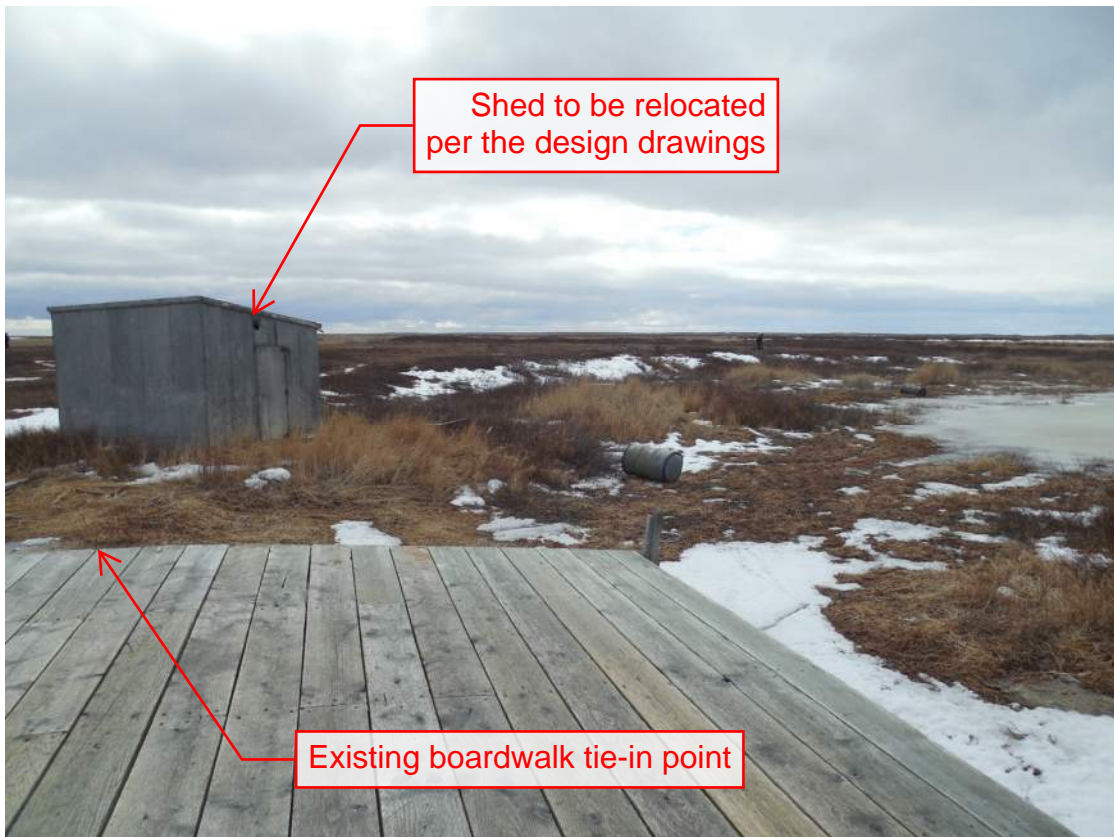
**Revised Electrical Design Drawings see attached;** (updated info regarding electrical service, added additional heaters to connex):

- *E-2 Revised panel schedule and load calculations. Updated service notes and added an intermediate stub pole. Clarified the pole heights to be provided with this project. Poles shall be CLASS 4*
- *E-3 Added the Heater circuits*
- *E-4 Revised conduit schedule.*
- *E-5 Updated Conex heating*
- Attached PDF "...AVEC OVH-on-Consumer-Pole" provides clarification on AVECs standard service pole requirements.
- Attached PDF "Electrical Service & Shed Photos" show the existing AVEC OHE and the shed that needs to be relocated (provided for bidder reference).

**END OF ADDENDUM**

**Existing Electrical & Shed Photos**

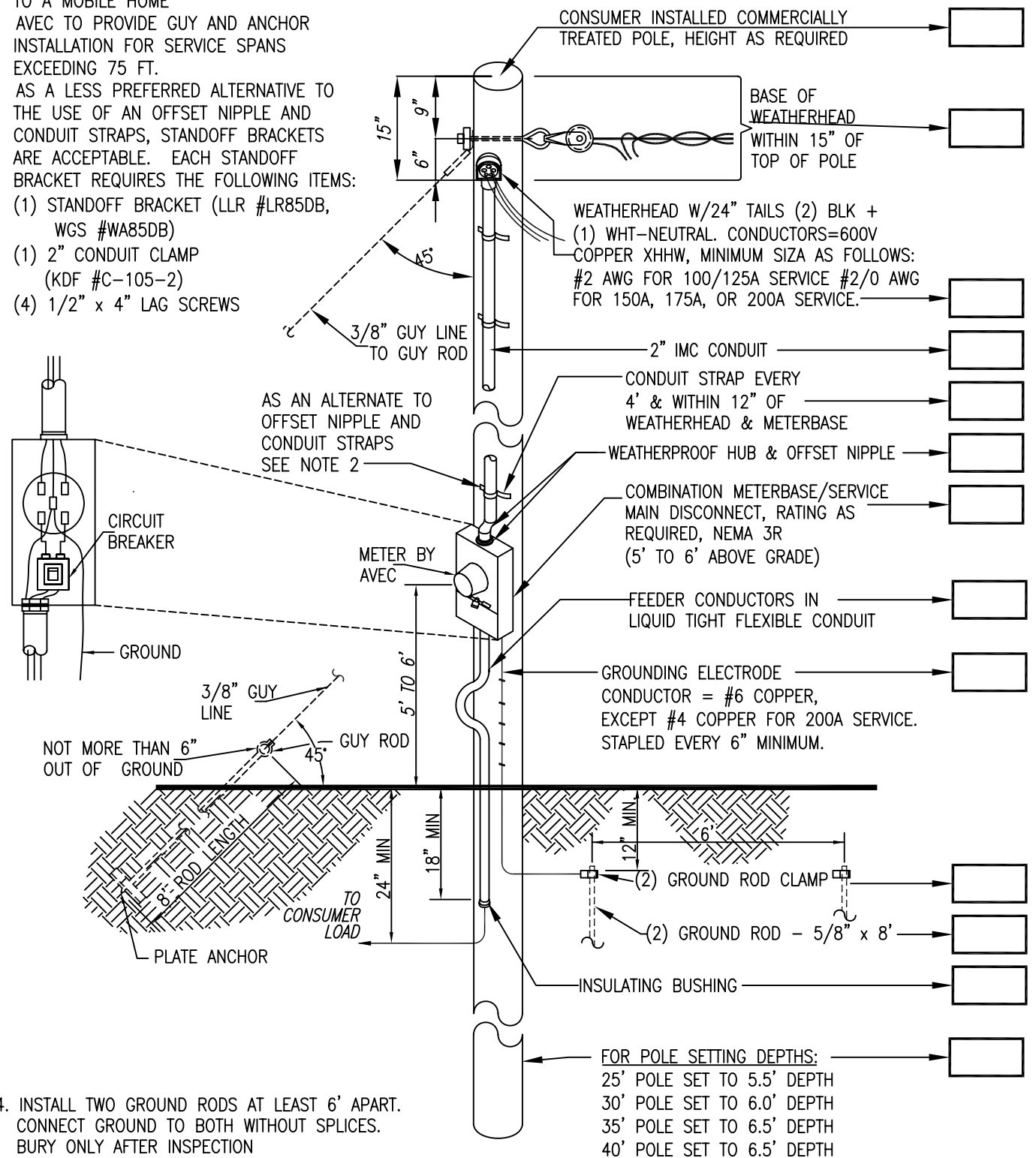




NOTES:

1. THIS INSTALLATION REQUIRED FOR SERVICE TO A MOBILE HOME
2. AVEC TO PROVIDE GUY AND ANCHOR INSTALLATION FOR SERVICE SPANS EXCEEDING 75 FT.
3. AS A LESS PREFERRED ALTERNATIVE TO THE USE OF AN OFFSET NIPPLE AND CONDUIT STRAPS, STANDOFF BRACKETS ARE ACCEPTABLE. EACH STANDOFF BRACKET REQUIRES THE FOLLOWING ITEMS:
  - (1) STANDOFF BRACKET (LLR #LR85DB, WGS #WA85DB)
  - (1) 2" CONDUIT CLAMP (KDF #C-105-2)
  - (4) 1/2" x 4" LAG SCREWS

CHECK BOX WHEN COMPLETE



4. INSTALL TWO GROUND RODS AT LEAST 6' APART. CONNECT GROUND TO BOTH WITHOUT SPLICES. BURY ONLY AFTER INSPECTION

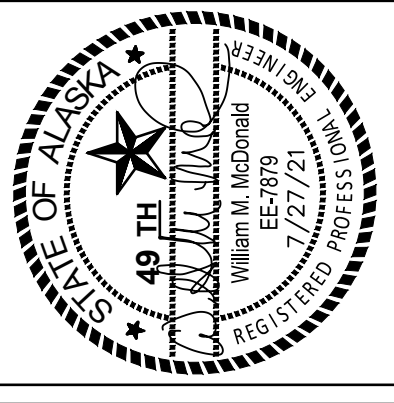
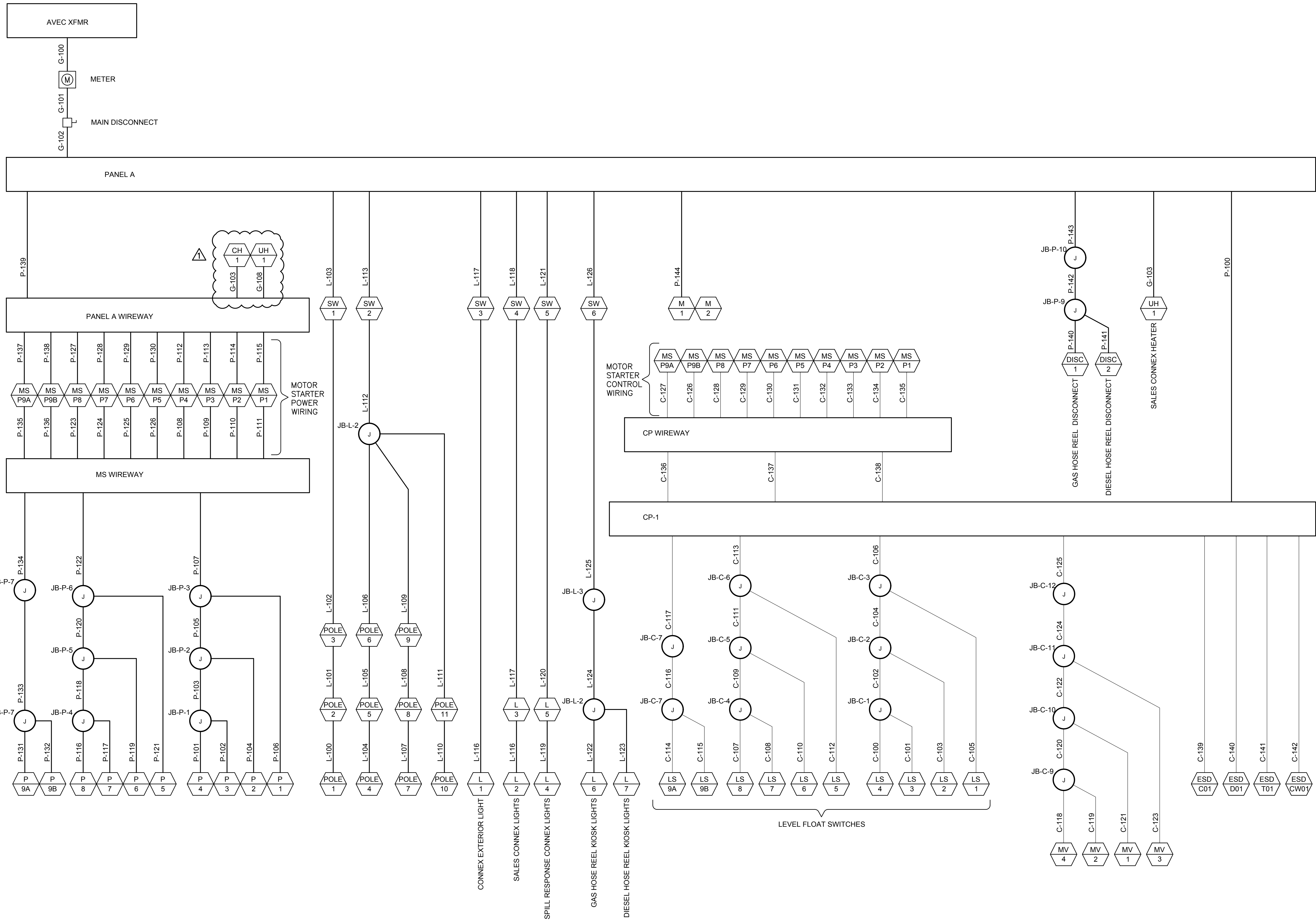
ALASKA VILLAGE ELECTRIC CO-OP  
 DISTRIBUTION ASSEMBLY GUIDE DRAWING

DATE 3-12-04  
 REV. 7

SERVICE TO  
 CONSUMER OWNED METER POLE

APPLICATION 240VAC 1Ø SERVICE	DWG. R. MONAHAN ENGR. W.A.S.	ACCT. NO.	SPEC. NO.	CAD# 93-3A	SHT 1 of 1
----------------------------------	---------------------------------	-----------	-----------	---------------	---------------





**BULK FUEL UPGRADES  
CONDUIT DEVELOPMENT PLAN**

NUNAPITCHUK, ALASKA

NO.	REVISION	BY	DATE
1	REV. CONDUIT DEVELOPMENT PLAN	WM	10/18/21

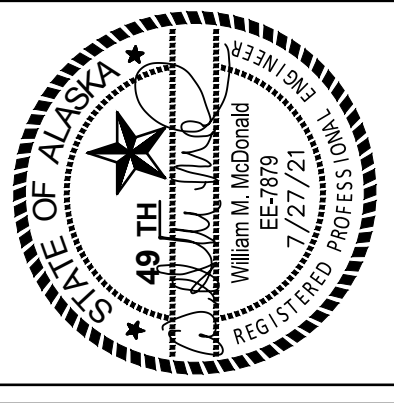
Plot Date: 10/18/21	Designed: WM
Drawn: DJ	Approved: WM

CONDUIT		CONDUCTORS		FROM	TO	REMARKS
NO.	SIZE	POWER	SPARES*			
P-100	1	3#8, 1#8GND		A-9	CP-1	
P-101	3/4	2#12, 1#12GND		P4	JB-P-1	
P-102	3/4	2#12, 1#12GND		P3	JB-P-1	
P-103	3/4	4#12, 1#12GND		JB-P-1	JB-P-2	
P-104	3/4	2#12, 1#12GND		P-2	JB-P-2	
P-105	3/4	6#12, 1#12GND		JB-P-2	JB-P-3	
P-106	3/4	2#12, 1#12GND		P1	JB-P-3	
P-107	3/4	8#12, 1#12GND		JB-P-3	MS WIREWAY	
P-108	3/4	2#12, 1#12GND		MS WIREWAY	MS-P4	P-4 TO MS-P4
P-109	3/4	2#12, 1#12GND		MS WIREWAY	MS-P3	P-3 TO MS-P3
P-110	3/4	2#12, 1#12GND		MS WIREWAY	MS-P2	P-2 TO MS-P2
P-111	3/4	2#12, 1#12GND		MS WIREWAY	MS-P	P-1 TO MS-P1
P-112	3/4	2#12, 1#12GND		MS-P4	PANEL A WIREWAY	
P-113	3/4	2#12, 1#12GND		MS-P3	PANEL A WIREWAY	
P-114	3/4	2#12, 1#12GND		MS-P2	PANEL A WIREWAY	
P-115	3/4	2#12, 1#12GND		MS-P1	PANEL A WIREWAY	
P-116	3/4	2#12, 1#12GND		P8	JB-P-4	
P-117	3/4	2#12, 1#12GND		P7	JB-P-4	
P-118	3/4	4#12, 1#12GND		JB-P-4	JB-P-5	
P-119	3/4	2#12, 1#12GND		P-6	JB-P-5	
P-120	3/4	6#12, 1#12GND		JB-P-5	JB-P-6	
P-121	3/4	2#12, 1#12GND		P5	JB-P-6	
P-122	3/4	8#12, 1#12GND		JB-P-6	MS WIREWAY	
P-123	3/4	2#12, 1#12GND		MS WIREWAY	MS-P8	P-8 TO MS-P8
P-124	3/4	2#12, 1#12GND		MS WIREWAY	MS-P7	P-7 TO MS-P7
P-125	3/4	2#12, 1#12GND		MS WIREWAY	MS-P6	P-6 TP MS-P6
P-126	3/4	2#12, 1#12GND		MS WIREWAY	MS-P5	P-5 TO MS-P5
P-127	3/4	2#12, 1#12GND		MS-P8	PANEL A WIREWAY	
P-128	3/4	2#12, 1#12GND		MS-P7	PANEL A WIREWAY	
P-129	3/4	2#12, 1#12GND		MS-P6	PANEL A WIREWAY	
P-130	3/4	2#12, 1#12GND		MS-P5	PANEL A WIREWAY	
P-131	3/4	2#12, 1#12GND		P-9A	JB-P-7	
P-132	3/4	2#12, 1#12GND		P-9B	JB-P-7	
P-133	3/4	4#12, 1#12GND		JB-P-7	MS WIREWAY	
P-134	3/4	4#12, 1#12GND		JB-P-8	MS WIREWAY	
P-135	3/4	2#12, 1#12GND		MS WIREWAY	MS-P9A	P-9A TO MS-P9A
P-136	3/4	2#12, 1#12GND		MS WIREWAY	MS-P9B	P-9B TO MS-P9B
P-137	3/4	2#12, 1#12GND		MS-P9A	PANEL A WIREWAY	
P-138	3/4	2#12, 1#12GND		MS-P9B	PANEL A WIREWAY	
P-139	3/4	2#6, 1#6GND		PANEL A WIREWAY	A-10,12	
P-140	3/4	2#12, 1#12GND		DISC-1	JB-P-9	GAS HOSE REEL
P-141	3/4	2#12, 1#12GND		DISC-2	JB-P-9	DIESEL HOSE REEL
P-142	3/4	2#12, 1#12GND		JB-P-9	JB-P-10	
P-143	3/4	2#12, 1#12GND		JB-P-10	M1/M2	
P-144	3/4	2#12, 1#12GND		M-1/M-2	A-13	HOSE REEL MOTORS

CONDUIT		CONDUCTORS		FROM	TO	REMARKS
NO.	SIZE	GENERAL	SPARES*			
G-100	1 1/2	2#3/0, 1#3/0GND		AVEC XFMR	METER	
G-101	1 1/2	2#3/0, 1#3/0GND		METER	MAIN DISCONNECT	
G-102	1 1/2	2#3/0, 1#3/0GND		MAIN DISCONNECT	PANEL A	
G-103	3/4	2#10, 1#10GND		CH-1 HEATER	A-1,3	
G-104	3/4	2#12, 1#12GND		RECEPTACLE 1	RECEPTACLE 2	
G-105	3/4	2#12, 1#12GND		RECEPTACLE 2	RECEPTACLE 3	
G-106	3/4	2#12, 1#12GND		RECEPTACLE 3	RECEPTACLE 3	
G-107	3/4	2#12, 1#12GND		RECEPTACLE 3	A-8	
G-108	3/4	2#10, 1#10GND		UH-1 HEATER	A-15,17	

CONDUIT		CONDUCTORS		FROM	TO	REMARKS
NO.	SIZE	CONTROL	SPARES*			
C-100	3/4	3#14, 1#14GND		LS-4	JB-C-1	FLOATS FOR TANK 4
C-101	3/4	3#14, 1#14GND		LS-3	JB-C-1	FLOATS FOR TANK 3
C-102	3/4	6#14, 1#14GND		JB-C-1	JB-C-2	
C-103	3/4	3#14, 1#14GND		LS-2	JB-C-2	FLOATS FOR TANK 2
C-104	3/4	9#14, 1#14GND		JB-C-2	JB-C-3	
C-105	3/4	3#14, 1#14GND		LS-1	JB-C-3	FLOATS FOR TANK 1
C-106	3/4	12#14, 1#14GND		JB-C-3	CP-1	
C-107	3/4	3#14, 1#14GND		LS-8	JB-C-4	FLOATS FOR TANK 8
C-108	3/4	3#14, 1#14GND		LS-7	JB-C-4	FLOATS FOR TANK 7
C-109	3/4	6#14, 1#14GND		JB-C-4	JB-C-5	
C-110	3/4	3#14, 1#14GND		LS-6	JB-C-5	FLOATS FOR TANK 6
C-111	3/4	9#14, 1#14GND		JB-C-5	JB-C-6	
C-112	3/4	3#14, 1#14GND		LS-5	JB-C-6	FLOATS FOR TANK 5
C-113	3/4	12#14, 1#14GND		JB-C-6	CP-1	
C-114	3/4	4#14, 1#14GND		LS-9A	JB-C-7	FLOATS FOR TANK 9A
C-115	3/4	4#14, 1#14GND		LS-9B	JB-C-7	FLOATS FOR TANK 9B
C-116	3/4	8#14, 1#14GND		JB-C-7	JB-C-8	
C-117	3/4	8#14, 1#14GND		JB-C-8	CP-1	
C-118	3/4	6#14, 1#14GND		MV-4	JB-C-9	
C-119	3/4	6#14, 1#14GND		MV-2	JB-C-9	
C-120	3/4	12#14, 1#14GND		JB-C-9	JB-C-10	
C-121	3/4	6#14, 1#14GND		MV-1	JB-C-10	
C-122	1	18#14, 1#14GND		JB-C-10	JB-C-11	
C-123	3/4	6#14, 1#14GND		MV-3	JB-C-11	
C-124	1 1/4	24#14, 1#14GND		JB-C-11	JB-C-12	
C-125	1 1/4	24#14, 1#14GND		JB-C-12	CP-1	
C-126	3/4	6#14, 1#14GND		MS-P9B	CP WIREWAY	
C-127	3/4	6#14, 1#14GND		MS-P9A	CP WIREWAY	
C-128	3/4	6#14, 1#14GND		MS-P8	CP WIREWAY	
C-129	3/4	6#14, 1#14GND		MS-P7	CP WIREWAY	
C-130	3/4	6#14, 1#14GND		MS-P6	CP WIREWAY	
C-131	3/4	6#14, 1#14GND		MS-P5	CP WIREWAY	
C-132	3/4	6#14, 1#14GND		MS-P4	CP WIREWAY	
C-133	3/4	6#14, 1#14GND		MS-P3	CP WIREWAY	
C-134	3/4	6#14, 1#14GND		MS-P2	CP WIREWAY	
C-135	3/4	6#14, 1#14GND		MS-P1	CP WIREWAY	
C-136	1	24#14, 1#14GND		CP WIREWAY	CP-1	MS-P8,7,6,5
C-137	1	24#14, 1#14GND		CP WIREWAY	CP-1	MS-P4,3,2,1
C-138	3/4	12#14, 1#14GND		CP WIREWAY	CP-1	MS-P9A,9B
C-139	3/4	1#12, 1#12GND		ESD-CO1	CP-1	CONNEX ESD
C-140	3/4	1#12, 1#12GND		ESD-DO1	CP-1	DISPENSER ESD
C-141	3/4	1#12, 1#12GND		ESD-TO1	CP-1	TANK FARM ESD
C-142	3/4	1#12, 1#12GND		ESD-CW01	CP-1	CATWALK ESD

CONDUIT		CONDUCTORS		FROM	TO	REMARKS
NO.	SIZE	LIGHTING	SPARES*			
L-100	3/4	2#12, 1#12GND		POLE 1	POLE 2	
L-101	3/4	2#12, 1#12GND		POLE 2	POLE 3	
L-102	3/4	2#12, 1#12GND		POLE 3	SW-1	
L-103	3/4	2#12, 1#12GND		SW-1	A-2	
L-104	3/4	2#12, 1#12GND		POLE 4	POLE 5	
L-105	3/4	2#12, 1#12GND		POLE 5	POLE 6	
L-106	3/4	2#12, 1#12GND		POLE 6	JB-L-1	
L-107	3/4	2#12, 1#12GND		POLE 11	JB-L-1	
L-108	3/4	2#12, 1#12GND		JB-L-1	POLE 7	
L-109	3/4	2#12, 1#12GND		POLE 7	JB-L-2	
L-110	3/4	2#12, 1#12GND		POLE 10	POLE 9	
L-111	3/4	2#12, 1#12GND		POLE 9	JB-L-3	
L-112	3/4	2#12, 1#12GND		POLE 8	JB-L-3	
L-113	3/4	2#12, 1#12GND		JB-L-3	JB-L-2	
L-114	3/4	2#12, 1#12GND		JB-L-2	SW-2	
L-115	3/4	2#12, 1#12GND		SW-2	A-4	
L-116	3/4	2#12, 1#12GND		L-1	SW-3	CONNEXES EXT. LIGHT
L-117	3/4	2#12, 1#12GND		SW-3	A-6	
L-118	3/4	2#12, 1#12GND		L-2	KIOSK INT. LIGHT WEST 2	CONNEXES INT LIGHT
L-119	3/4	2#12, 1#12GND		L-3	KIOSK INT. LIGHT EAST 1	CONNEXES INT LIGHT
L-120	3/4	2#12, 1#12GND		L-4	KIOSK INT. LIGHT EAST 2	CONNEXES INT LIGHT
L-121	3/4	2#12, 1#12GND		L-5	SW-4	CONNEXES INT LIGHT
L-122	3/4	2#12, 1#12GND		SW-4	A-11	
L-123	3/4	2#12, 1#12GND		L-6	JB-L-4	GAS KIOSK LIGHT
L-124	3/4	2#12, 1#12GND		L-7	JB-L-4	DIESEL KIOSK LIGHT
L-125	3/4	2#12, 1#12GND		JB-L-4	JB-L-5	
L-126	3/4	2#12, 1#12GND		JB-L-5	SW-5	
L-127	3/4	2#12, 1#12GND		SW-5	A-5	



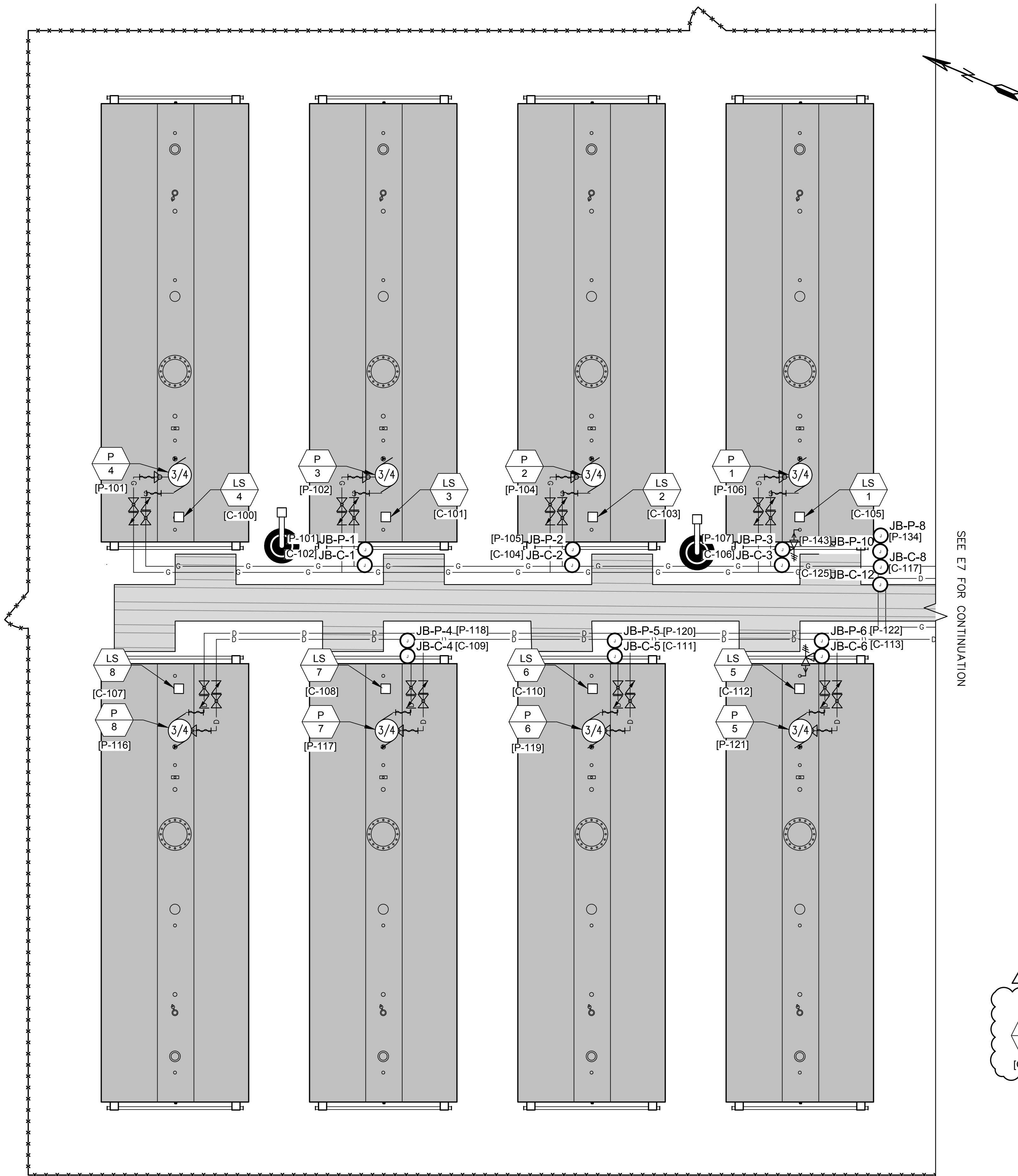
BULK FUEL UPGRADES  
CONDUIT SCHEDULE  
NUNAPITCHUK, ALASKA

NO.	REVISION	DATE	BY
1	ISSUED FOR BIDDING	7/28/21	AH
1	REVISED CONDUIT SCHEDULE	10/18/21	WM

Plot 10/18/21	Designed WM	Drawn DU	Approved WM
---------------	-------------	----------	-------------





1 TANK FARM ELECTRICAL PLAN



SEE E7 FOR CONTINUATION

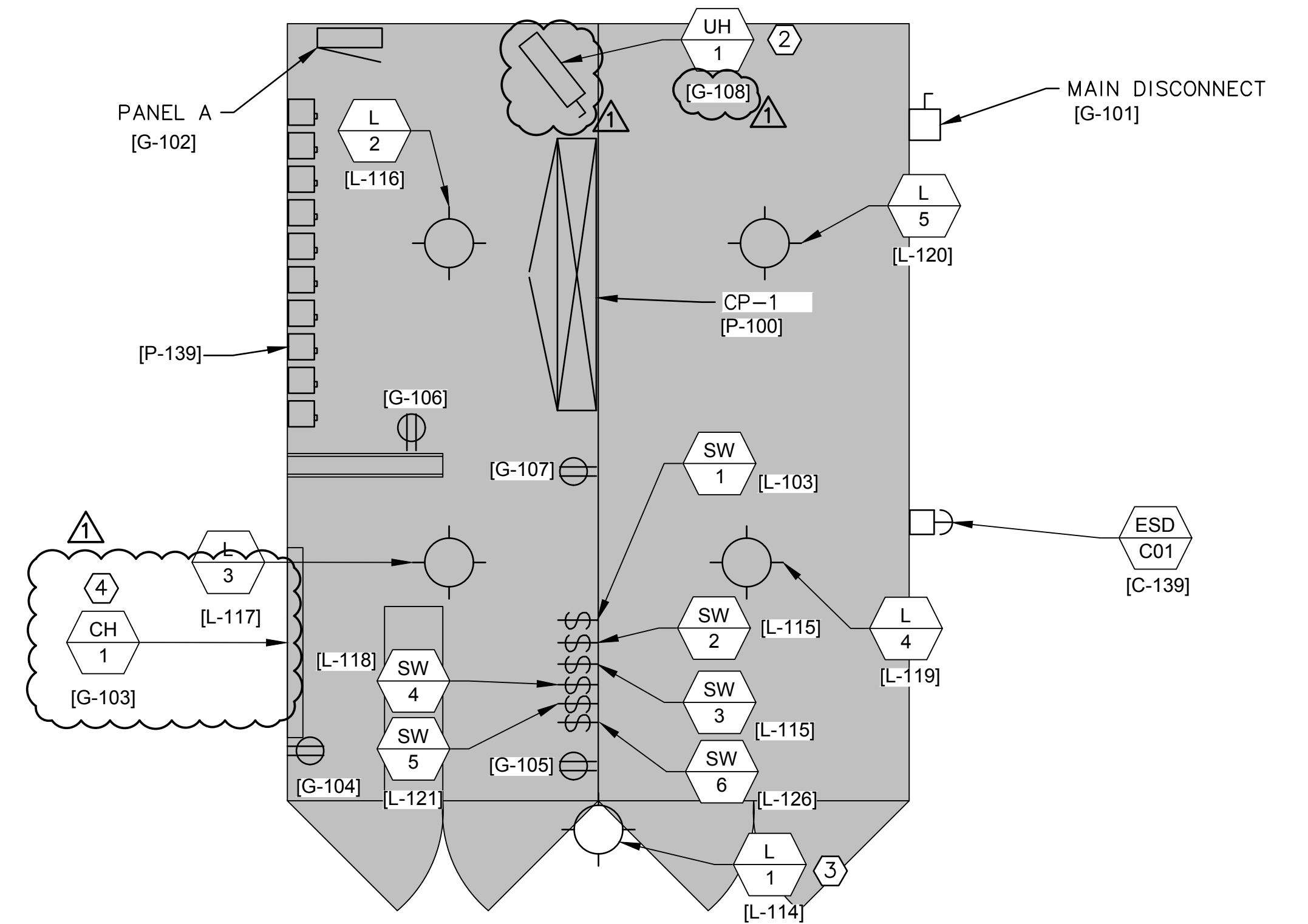
**NOTES**

- ① SEE SHEET E6 FOR CONDUIT DEVELOPMENT PLAN
- ② CHROMOLOX AIR HEATER, WALL MOUNTED 240V, 5KW HEATER WITH WALL BRACKET. HVH-05-21-34-TL-D-00-0-0 WITH DISCONNECT, INTEGRAL TRANSFORMER (24V), CONTACTOR AND THERMOSTAT.
- ③ PLATE MOUNTED, ABOVE CONNEX DOORS
- ④ 240V, 1.5KW WALL MOUNTED CONVECTION HEATER WITH INTEGRAL THERMOSTAT, CHROMOLOX 332435 HCH-501.

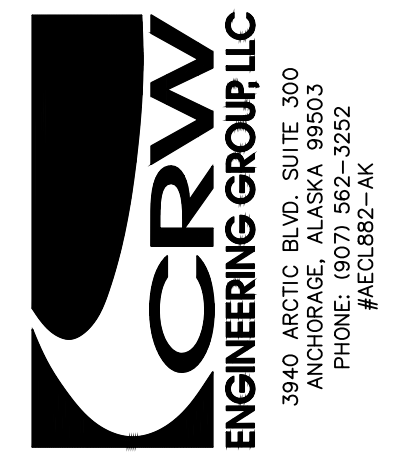
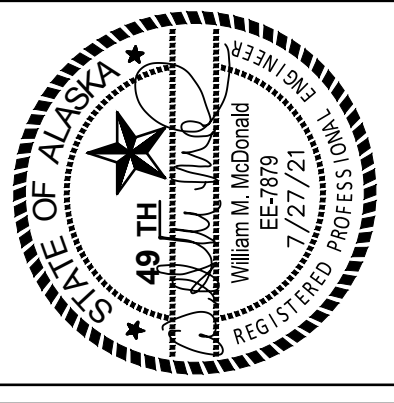
[XXX] SEE SHEET E4 FOR CONDUIT SCHEDULE.

SEE SPECIFICATION FOR CONDUIT ROUTING REQUIREMENTS.

HAZARDOUS BOUNDARIES SHOW ON E8. PROVIDE SEAL OFF FITTINGS PER CODE.



3 SPILL RESPONSE/SALES CONNEX ELECTRICAL DETAIL



BULK FUEL UPGRADES  
POWER & CONTROLS PLAN (1 OF 2)  
NUNAPITCHUK, ALASKA

NO.	REVISION	BY	DATE
1	ISSUED FOR BIDDING	AH	7/28/21
1	REVISED CONNEX DETAIL	WM	10/18/21

Plot: 10/18/21  
Date: 10/18/21  
Designed: WM  
Drawn: DJ  
Approved: WM