



Memorandum

Date: June 22, 2024
From: Rich Beardmore, P.E., LEED AP
To: Sara Wells
Re: Summit Square III – Bldg A Electrical Riser



Due to a field change, the feeder from the transformer to the main service meter bank has been revised to three sets of (4) 750 KCMIL aluminum conductors in lieu of those shown on the documents.

For the 1200 amp service, these conductors are acceptable and meet code as the equipment terminations are rated at 90 degrees C. Table 310.16 in the NEC shows these amperage values and the three sets exceed the 1200 amp rating.

If there are any questions, please contact me.



SKU: F2C-646-600

UPC: 0783669017960

Features & Benefits:

Description: Flex2Code™ Copper Pin Adaptor, Flex Conductor Range 600, 646.4 DLO

Specs

Additional Class Attributes

Connecting Angle	180°
Connection	Compression
ILSCOs Die Index Number	I-106
Replacement Part(s)	PCC-12

Conductor Ranges

Approximate Pin Size	600 kcmil
Expanded Conductor Range	750 kcmil - 500 kcmil
Flex Conductor Range	600 G,H,I,M 646.4 DLO

Material and Finish

Connector Finish	Tin
Insulation	Supplied with insulating cover
Material	Copper

General

Bag Quantity	0
Carton Quantity Description	STD PACK QTY 3
NEMA Code	S-588-3
UPC Code	78366901796

Testing Standards

UL Control Number	453G
UL / CULUS Specification	UL/cUL 486A/B Listed
UL File Number	E34440

Color

Color Code	Black
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RFI detail

#121 Meter Bank 1-A



Status	<div><div></div>Closed</div>
Created on	Jun 20, 2024 by Ryan Terrill (Neighbors Construction Co., Inc.)
RFI type	Default RFI workflow
Ball in court	Ryan Terrill (Neighbors Construction Co., Inc.)
Answered	Jun 20, 2024 by rbeardmore@lsapa.com

Question

The city inspector is questioning the wire size for the Meter 1-A bank. The transformer was set with three conduits instead of four, so instead of using 4-500 KCMIL feeders for Meter Bank 1-A, the three sets of feeders were increased to 750 KCMIL for what was already installed. Please confirm this is acceptable.

Official response

Rich Beardmore: If the terminations of the feeders in the main breaker and transformer are rated at 90 deg C, this wire size is adequate. Contractor to confirm.

By **rbeardmore@lsapa.com** - Jun 20, 2024, 11:25 AM CDT

Impact

Cost impact	-
Schedule impact	Yes

Other attributes

Priority	High
Discipline	Electrical
Category	Constructability, Field condition
Location	-