



Submittal Comments

Item No: 262816-01
(CSI No:)

Item
Descript: Enclosed Circuit Breakers

Re: **Submittal** Comments
Cascade Science Lab Renovation
2008-046.CSL 8.3

Architecture
Engineering
Technology
Interior Design
Landscape Architecture

Wil-Fra-Mar Building
320 East Vermont Street
Indianapolis IN 46204-1640
317.263.6226
317.263.6224 (fax)
www.schmidt-arch.com

Reviewed and checked only for conformance with design concepts and with the information given in the Contract Documents. Approval does not release the Contractor from the responsibility to provide appropriate quantities, field measurements, dimensional stability, installation, anchorage, and coordination with other trades or release the Contractor from responsibility for deviations from the requirements of the Contract Documents or from responsibility for errors and omissions contained thereon.

	Reviewed as Submitted - No Resubmittal Required.
	Reviewed as Noted - No Resubmittal Required.
	Reviewed as Noted - Revise and Resubmit.
	Rejected - Revise and Resubmit.
X	Not Required for Review - Returned.
By: Aaron J. Schipp	
Date: 4/28/2009	

Comments

1. See Section 262416 "Panelboards" for information.

Copy: File

Tricia L. Smith

From: ken meiring [kenmeiring@kpmeiring.com]
Sent: Sunday, April 12, 2009 2:11 PM
To: Tricia L. Smith
Subject: Cascade Science Lab Submittal Electrical Sections 262416-262816
Attachments: 262416-262816 Panel Boards Submitted 3-24-09.pdf

Hello,

Cascade Science Lab Submittal Electrical Section 262416-262816

Kenneth P. Meiring
KP Meiring Company
6519 North Carrollton Avenue
Indianapolis, IN 46220-1616
(317) 257 7506 x 3
(317) 254 1305 fax
kenmeiring@kpmeiring.com
www.kpmeiring.com



JAMES BABCOCK INC.
electrical contractors

2925 N. Mitthoeffer Place • Indianapolis, IN 46229 • tel. 317-898-1172 • fax 317-898-1185

SUBMITTAL / TRANSMITTAL RECORD

TO: Ken Meiring

DATE: 3/24/09

COMPANY: KP Meiring

RE: Cascade High School Science Lab Remodel

CONTRACTOR NAME	James Babcock Inc.
BID CATEGORY NAME & NUMBER	Electrical
SPECIFICATION SECTION NO.	262416
SECTION NAME & DESCRIPTION	Panelboards
MANUFACTURER/SUPPLIER	GE
TYPE OF SUBMITTAL & NUMBER OF COPIES	Electronic
IS THIS A RESUBMITTAL?	NO

REMARKS:

K.P. MEIRING CO *KPM*
 CHECKED BY: _____
 DATE CHECKED: April 10, 2009
 REVIEWED NO EXCEPTIONS: _____ X
 REVIEWED WITH EXCEPTIONS: _____
 REJECTED RESUBMIT: _____

The review is only for general conformance with design concepts given in the contract documents. Subcontractor is responsible for dimensions, quantities, coordination with other trades and performing his work in a safe manner. No change to contract requirements is intended.



A Series Panelboard

Item 1 2SPA

Panel Description

GE Type AQ Panelboard
 Qty 1
 225 Amp, 208Y/120V
 3P4W
 10 KAIC SC Fully Rated
 Copper Bus
 Nema 1 Enclosure
 Flush Mounted
 Bottom Feed

Main Description

Amps: 125 Amp
 Poles: 3 Pole
 Type: Main Breaker
 Cat No.: TQD32125
 Acc:
 Lugs: 1-lug/ph 1-cable/lug
 #1 -300 mcm

Options

- 1 - Copper Bus Heat Rated
- 1 - Front Hinged To Box
- 1 - Metal Directory Card Hldr
- 3 - Ground-Box bonded TGL2

Branch Devices

Qty	Amps/P	Cat#
42	20A/1P	THQB1120

Panel Interior

225A PANEL END FILLER					
Ckt	Type	Amps/P	Type	Amps/P	Ckt
1	THQB	20/1	THQB	20/1	2
3	THQB	20/1	THQB	20/1	4
5	THQB	20/1	THQB	20/1	6
7	THQB	20/1	THQB	20/1	8
9	THQB	20/1	THQB	20/1	10
11	THQB	20/1	THQB	20/1	12
13	THQB	20/1	THQB	20/1	14
15	THQB	20/1	THQB	20/1	16
17	THQB	20/1	THQB	20/1	18
19	THQB	20/1	THQB	20/1	20
21	THQB	20/1	THQB	20/1	22
23	THQB	20/1	THQB	20/1	24
25	THQB	20/1	THQB	20/1	26
27	THQB	20/1	THQB	20/1	28
29	THQB	20/1	THQB	20/1	30
31	THQB	20/1	THQB	20/1	32
33	THQB	20/1	THQB	20/1	34
35	THQB	20/1	THQB	20/1	36
37	THQB	20/1	THQB	20/1	38
39	THQB	20/1	THQB	20/1	40
41	THQB	20/1	THQB	20/1	42
125A 3P TQD MAIN					
225A NEUTRAL ONLY					

* Drawing not to scale

Job Name:	CASCADE H.S.		
Prop No:	6H9-SR09045	GE Req#:	
PO#:			
Marks:	2SPA	Dated:	03/13/2009

1A Interior	AQF3422ABX AXB7
1B Box	AB43B
1C Front	AF43FDM
Dimensions	43.5"H x 20"W x 5.75"D



A Series Panelboard

Item 2 2SP

Panel Description

GE Type AQ Panelboard
 Qty 1
 125 Amp, 208Y/120V
 3P4W
 10 KAIC SC Fully Rated
 Copper Bus
 Nema 1 Enclosure
 Flush Mounted
 Bottom Feed

Main Description

Amps: 100 Amp
 Poles: 3 Pole
 Type: Main Breaker
 Cat No.: THQB32100
 Acc:
 Lugs: 1-lug/ph 1-cable/lug
 #14 -1/0

Options

- 1 - Copper Bus Heat Rated
- 1 - Front Hinged To Box
- 1 - Metal Directory Card Hldr
- 3 - Ground-Box bonded TGL2

Branch Devices

Qty	Amps/P	Cat#
28	20A/1P	THQB1120
2	20A/1P	Spaces

Panel Interior

125A PANEL END FILLER					
Ckt	Type	Amps/P	Type	Amps/P	Ckt
1	THQB	20/1	THQB	20/1	2
3	THQB	20/1	THQB	20/1	4
5	THQB	20/1	THQB	20/1	6
7	THQB	20/1	THQB	20/1	8
9	THQB	20/1	THQB	20/1	10
11	THQB	20/1	THQB	20/1	12
13	THQB	20/1	THQB	20/1	14
15	THQB	20/1	THQB	20/1	16
17	THQB	20/1	THQB	20/1	18
19	THQB	20/1	THQB	20/1	20
21	THQB	20/1	THQB	20/1	22
23	THQB	20/1	THQB	20/1	24
25	THQB	20/1	THQB	20/1	26
27	THQB	20/1	THQB	20/1	28
29	SPACE	20/1	SPACE	20/1	30
	100A 3P THQB	-	-	-	
3		-	FILLER	-	
125A NEUTRAL ONLY					

* Drawing not to scale

Job Name:	CASCADE H.S.		
Prop No:	6H9-SR09045	GE Req#:	
PO#:			
Marks:	2SP	Dated:	03/13/2009

2A Interior	AQF3301ABX AXB7
2B Box	AB31B
2C Front	AF31FDM
Dimensions	31.5"H x 20"W x 5.75"D



A Series Panelboard

Item 3 2L5A

Panel Description

GE Type AQ Panelboard
 Qty 1
 125 Amp, 208Y/120V
 3P4W
 10 KAIC SC Fully Rated
 Copper Bus
 Nema 1 Enclosure
 Surface Mounted
 Bottom Feed

Main Description

Amps: 125 Amp
 Type: Main Lugs
 Lugs: 1-lug/ph 1-cable/lug
 #14 -2/0

Options

- 1 - Copper Bus Heat Rated
- 1 - Front Hinged To Box
- 1 - Metal Directory Card Hldr
- 3 - Ground-Box bonded TGL2

Branch Devices

Qty	Amps/P	Cat#
42	20A/1P	THQB1120

Panel Interior

125A PANEL END FILLER					
Ckt	Type	Amps/P	Type	Amps/P	Ckt
1	THQB	20/1	THQB	20/1	2
3	THQB	20/1	THQB	20/1	4
5	THQB	20/1	THQB	20/1	6
7	THQB	20/1	THQB	20/1	8
9	THQB	20/1	THQB	20/1	10
11	THQB	20/1	THQB	20/1	12
13	THQB	20/1	THQB	20/1	14
15	THQB	20/1	THQB	20/1	16
17	THQB	20/1	THQB	20/1	18
19	THQB	20/1	THQB	20/1	20
21	THQB	20/1	THQB	20/1	22
23	THQB	20/1	THQB	20/1	24
25	THQB	20/1	THQB	20/1	26
27	THQB	20/1	THQB	20/1	28
29	THQB	20/1	THQB	20/1	30
31	THQB	20/1	THQB	20/1	32
33	THQB	20/1	THQB	20/1	34
35	THQB	20/1	THQB	20/1	36
37	THQB	20/1	THQB	20/1	38
39	THQB	20/1	THQB	20/1	40
41	THQB	20/1	THQB	20/1	42
125A MAIN LUGS WITH NEUTRAL					

* Drawing not to scale

Job Name:	CASCADE H.S.		
Prop No:	6H9-SR09045	GE Req#:	
PO#:			
Marks:	2L5A	Dated:	03/13/2009

3A Interior	AQF3421MBX AXB7
3B Box	AB37B
3C Front	AF37SDM
Dimensions	37.5"H x 20"W x 5.75"D



GE Consumer & Industrial

**** CONFIDENTIAL TO GENERAL ELECTRIC COMPANY ****

NEMA Controls Cover Sheet

Item # : 6

Mnl Motor Starter (10G3)

Description

Type	:	Manual Motor Starters 1062
HorsePower	:	1
Voltage	:	115V
Starter Size	:	NEMA Size M-0
Phase	:	Single Phase (AC)
Overload Type	:	Overload
Aux Contacts	:	None
Operator Type	:	Toggle Lever
Enclosure	:	NEMA Type 1
Light Options	:	No Light
Light Colors	:	No Indicating Light
Outline Diagram #	:	55-155519P001