

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave. Jaspe
5th floor/5e étage
Edmonton
Alberta
T5J 1S6
Bid Fax: (780) 497-3510

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave Jasper
5th floor/5e étage
Edmonton
Alberta
T5J 1S6

Title - Sujet FLUID COOLER INSTALL	
Solicitation No. - N° de l'invitation 39903-150572/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client CFIA 39903-150572	Date 2015-10-01
GETS Reference No. - N° de référence de SEAG PW-\$PWU-201-10546	
File No. - N° de dossier PWU-5-38075 (201)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-10-06	Time Zone Fuseau horaire Mountain Daylight Saving Time MDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Ho (RPC), Hector	Buyer Id - Id de l'acheteur pwu201
Telephone No. - N° de téléphone (780) 901-0989 ()	FAX No. - N° de FAX (780) 497-3510
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

This amendment has been raised to answer the following:**QUESTIONS:**

1. Section 23 07 14 "Thermal Insulation for Piping" does not show Fluid Cooler Glycol s & R , Chilled water s & r (CWS CWR) to be insulated, please confirm insulation type and thickness.
2. Could we please get volume of the chilled water system that needs to be drained and re-filled?
3. Please clarify the pipe size on the glycol system. It calls for 80ml Pipe we can only supply 75ml or 100ml

ANSWER:

Please see attached document for Addendum #002

Additional Information:

The MCC is;

Klockner Moeller
Model#CDN-21-7080-MCC-3FA1-front
Cust Order# 1239D
Control 120V
Bus Rating: Horiz 600A, Vert 300A
Bus braced for 42 KA R,M,S Sym
Fluid Cooler Starter
600V 3PH 60HZ
5HP 6.1A Control 120V

Pumps Starter
600V 3PH 60HZ
1.5HP 2.1A control 120V

Note: MCC-A1 as stated on drawing E-01 is actually MCC-EA1 as built on site. The original building drawings do have the Fluid Cooler and Pumps listed on MCC A1.

See PDF for pictures

Page 1 - Fluid Cooler Contractor
Page 2 - Pump Contractor
Page 3 - Pump 47, 48
Page 4 - MCC-EA1
Page 5 - Fluid Cooler Starter

All other Terms and Conditions remain unchanged

ADDENDUM M-02



Project:	CFIA Dry Cooler	Project No.:	151-05170-00
Date:	September 30, 2015	Client Proj. No.:	H0004
To:	CFIA, Attn: Craig Armitage (craig.armitage@inspection.gc.ca)		
Distribution:	WSP, Attn: Art Johnson (art.johnson@wspgroup.com) WSP, Attn: Sandeep Sharma (sandeep.sharma@wspgroup.com)		

TO ALL BIDDERS OF RECORD

General Notes:

1. *This Addendum is used prior to Tender closing to provide for certain revisions as noted herein.*
 2. *All such revisions will become part of the Work and the effects shall be included in the Tender Price.*
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1.0 SECTION 23 07 14 – THERMAL INSULATION FOR PIPING

1.1 The following shall be added to section 3.6-Piping Insulation Schedules:

Type A-1:

- .1 Type 1 insulation with factory applied vapour retarder.
- .2 Securements: SS wire at 300 mm on centre. Pipe insulation with integral jacket shall be held in place by stapling the flaps on 75mm centres. Pipe insulation with integral self-sealing jacket will not require additional fastening.
- .3 Seals: Vapour retarder lap seal adhesive, Vapour retarder lagging adhesive.
- .4 Fittings: miter pipe insulation to fit tightly, or insulating cement, or with tightly placed flexible insulation covered with reinforcing membrane stapled in place. Alternately insulate fitting with tightly placed flexible insulation and apply aluminium fitting covers.
- .5 Valves, Strainers: where indicated on the particular product schedule, insulate valve bodes and strainers with insulating cement or fitted pipe insulation segments or mitred blocks al to thickness of adjacent pipe insulation or insulate with tightly placed flexible insulation covered with reinforcing membrane stapled in place. Drains, blow-off plugs and caps shall be left uncovered. Alternately insulate with tightly placed insulation and apply aluminium fitting covers.
- .6 Flanges: where indicated insulate flanges with oversized pipe covering or mitred blocks to and applied in accordance with the manufacturer's directions. Alternately insulate with tightly placed flexible insulation and apply aluminium fitting covers.

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.7 Insulation termination points: terminate insulation 75 mm from fittings to provide working clearance and bevel insulation at 45 degree angle.

.8 Installation: TIAC Code: 1501-C.

1.2 The following items shall be added to section 3.6.5:

Application	Temp °C	Code	NPS Pipe sizes (Ø) and insulation thickness (mm)					
			Run out	Up to 1	1 1/4 to 2	2 ½ to 4	5 & 6	8& over
Chilled Water/Glycol (Supply / Return)	4-30	A-1	25	25			40	

All pipes between existing chilled system and cold side of HE-6: with Type A-1 insulation complete with PVC jacket.

All pipes between hot side of HE-6 up to mechanical room penthouse and associated fluid cooler system pipes inside the penthouse: with Type A-1 insulation complete with PVC jacket.

All pipes associated with fluid cooler system between mechanical room penthouse and outside fluid cooler (FLC-1): with Type A-1 insulation complete with aluminum jacket.

1.3 The following item shall be added to section 3.6.6 – Finishes:

“Outdoors: waterproof aluminum jacket”

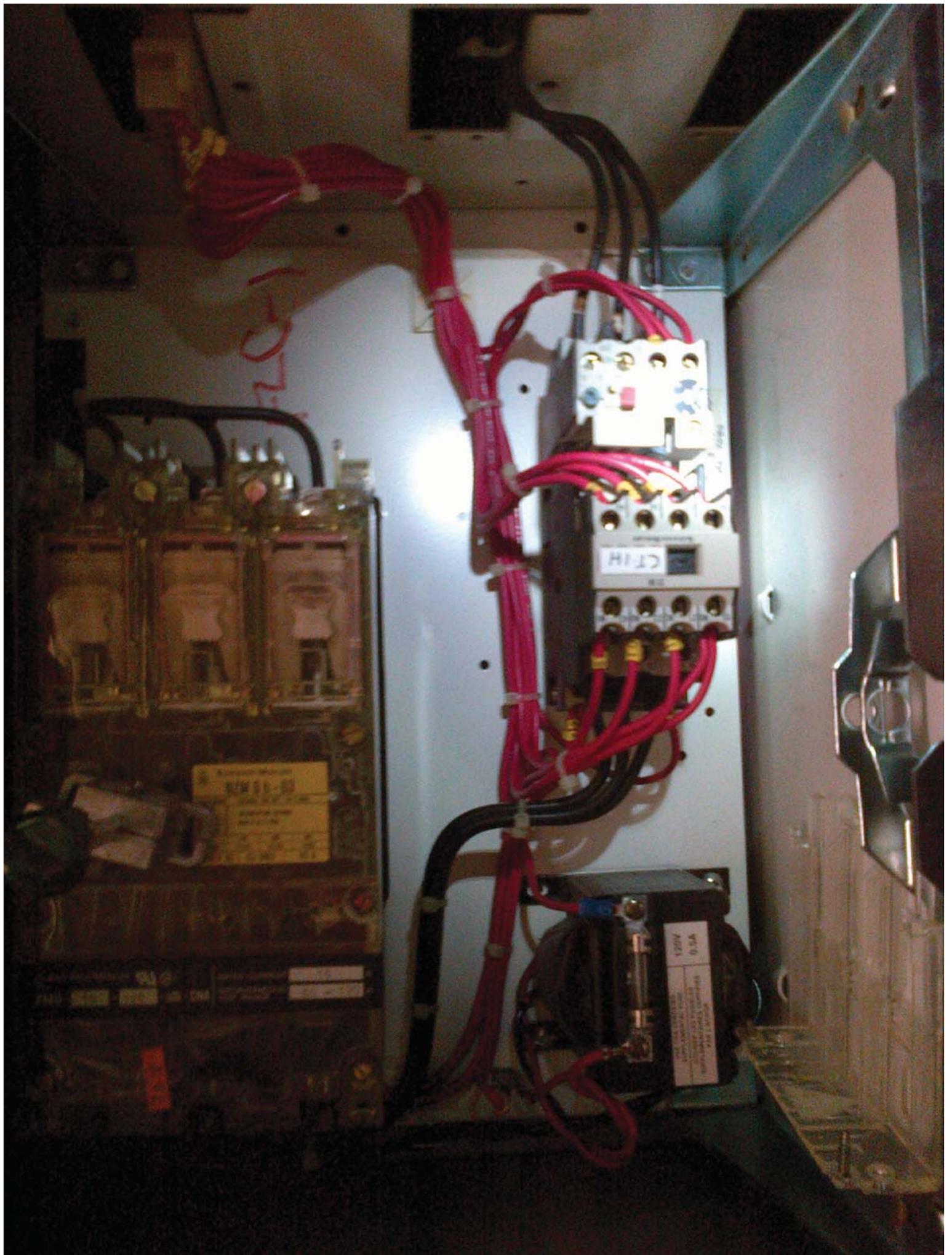
2.0 PROJECT NOTES AND CLARIFICATIONS

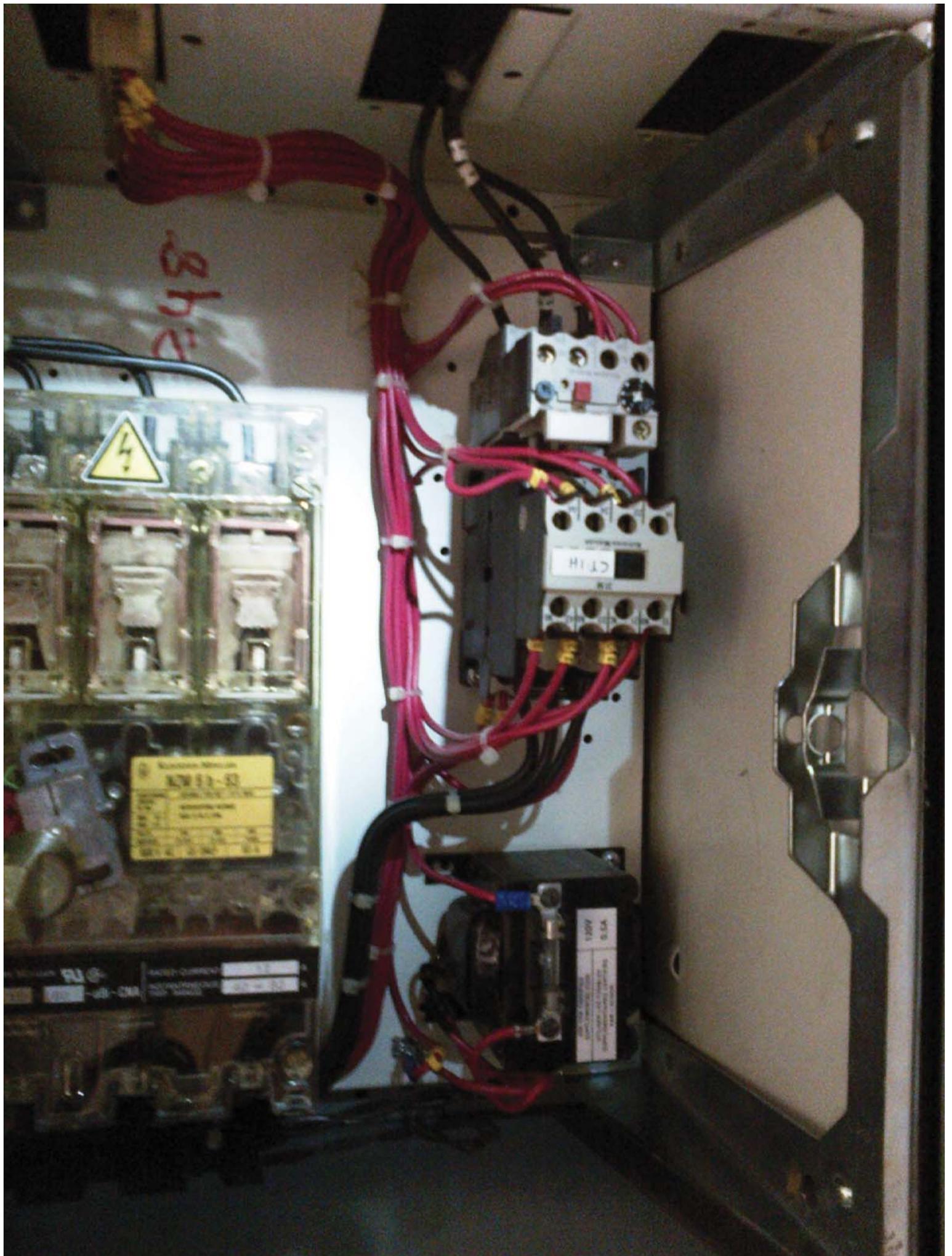
2.1 The volume of chilled water that is required to be drained for piping tie in at connection point M1 is estimated at approximately 20L. The tie in connection to HE-5 is inside of the isolation valves on the heat exchanger side; the amount of drained piping is expected to be minimal assuming proper isolation can be achieved.

2.2 All pipe sizes labeled as “80Ø” shall be equivalent to 75mm diameter piping, or 3” diameter piping.

Issued by,

Mike Medinsky, P.Eng.
 Mechanical Engineer
mike.medinsky@wspgroup.com





MORILLER

TYPE - CASE OF COMPONENTS
STARTER

Part Number 600, m 3
Qty 1.5 mm 2.1 mm
Price 70.00
Date 11-14
3-23-443-30000 - J

MCC 3 - EA1

347/600V 3PH 4W

Aggr.

11-23

MOELLER



TYPE - CODE OF COMMAND

STARTER

UNIT NUMBER 600 , m 3 1060

UNIT 5 1000 6-1 1100 1100

ORDER NO. 7080 UNIT NO. 001

NO. IN COMMAND 3-3-63-7080-3

NO. IN SUBORDINATE