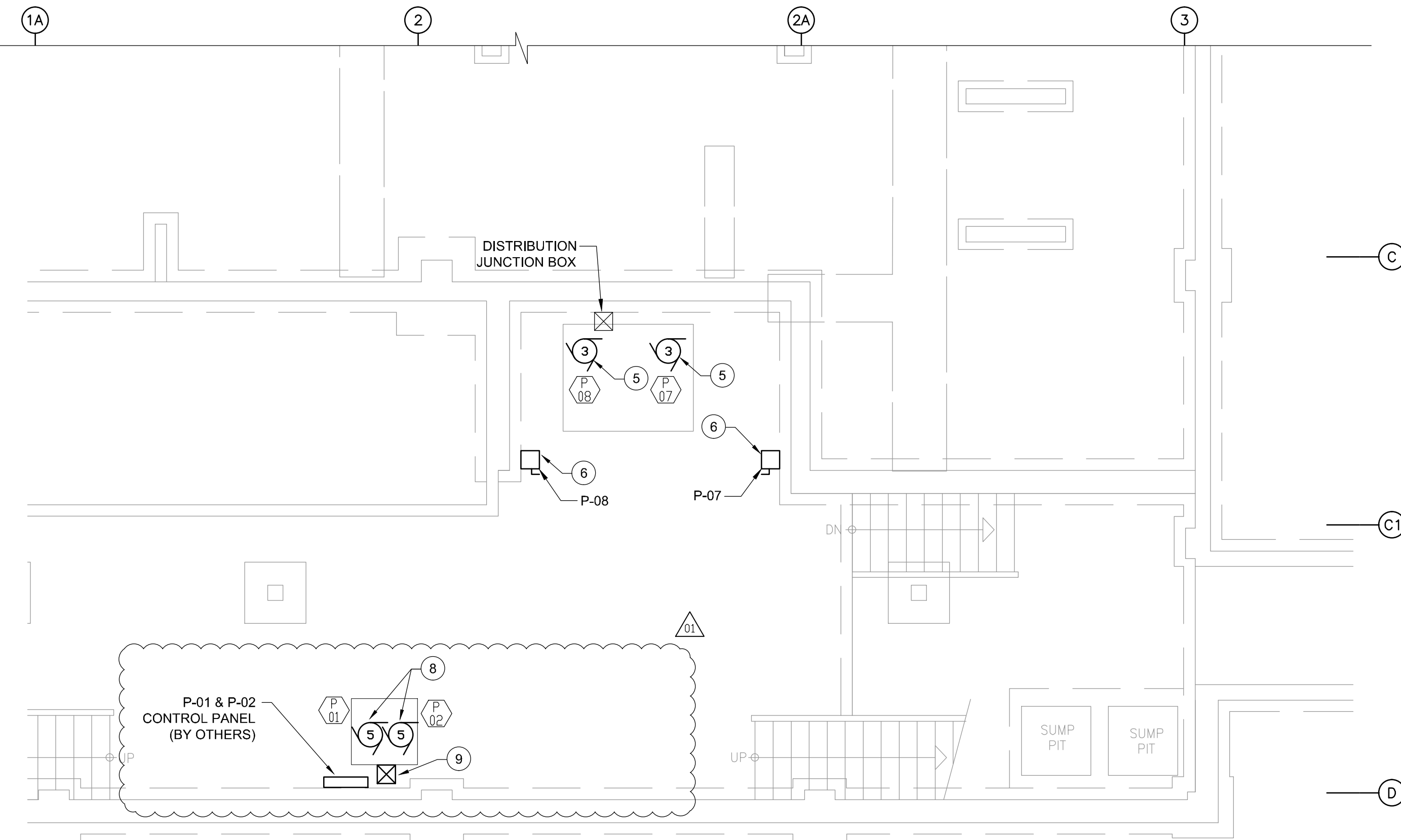
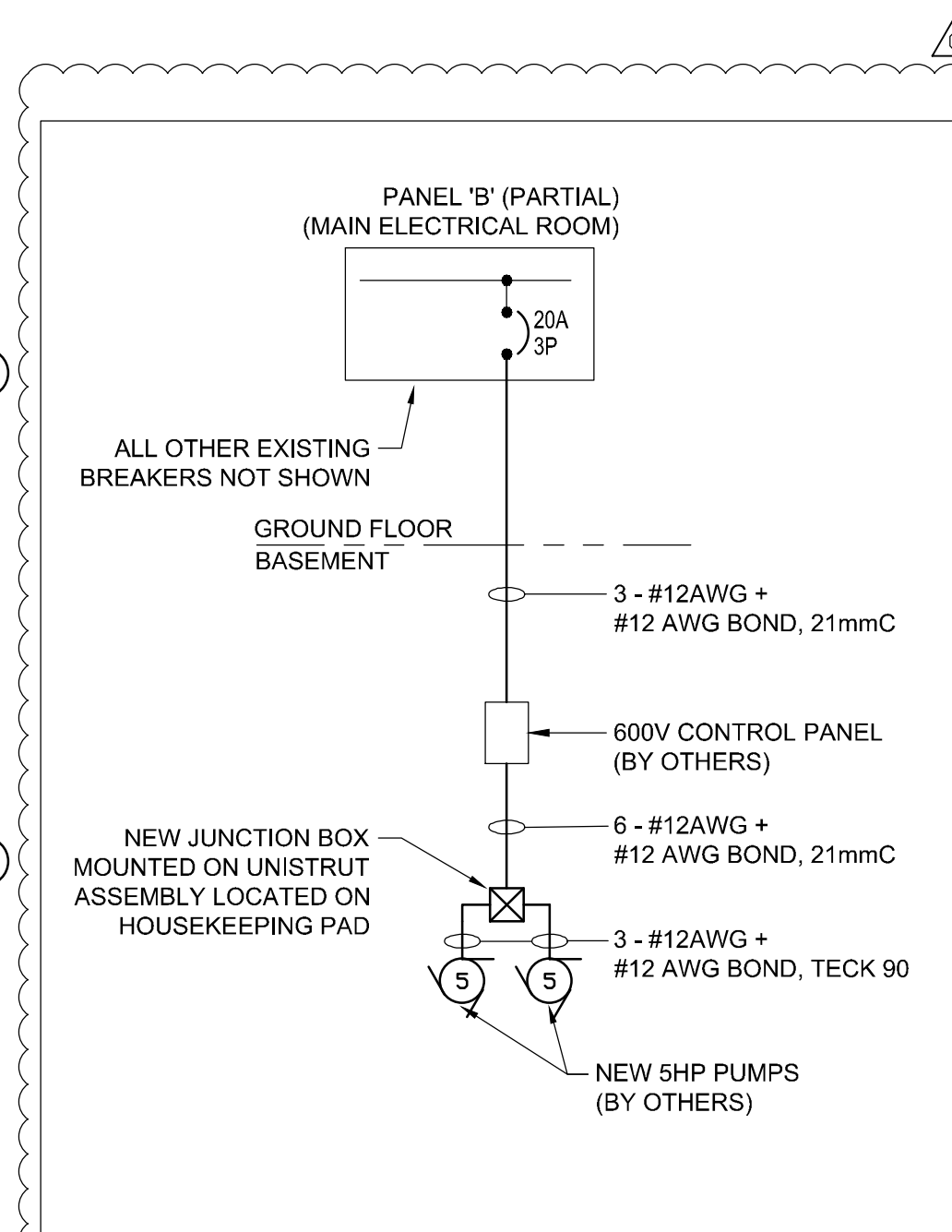


1 BASEMENT ELECTRICAL EQUIPMENT LAYOUT - DEMOLITION
E200 SCALE: 1:50



2 BASEMENT ELECTRICAL EQUIPMENT LAYOUT - NEW
E200 SCALE: 1:50



**3 PARTIAL SINGLE LINE DIAGRAM
NEW EQUIPMENT**
E200 SCALE: N.T.S.

LEGEND

- EXISTING EQUIPMENT TO BE REMOVED
- EXISTING EQUIPMENT TO REMAIN
- NEW EQUIPMENT

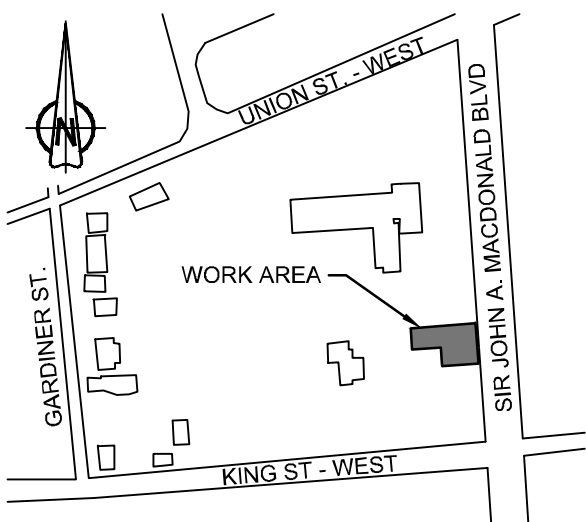
GENERAL NOTES

- EXISTING ELECTRICAL SITE SERVICES AND EQUIPMENT INDICATED IS FOR INFORMATION ONLY. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS AND EXACT LOCATIONS OF EQUIPMENT PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PHASING AND LOCATIONS OF NEW MECHANICAL EQUIPMENT WITH MECHANICAL TRADE PRIOR TO CONSTRUCTION.
- ARCHITECTURAL BACKGROUNDS IN ELECTRICAL DRAWINGS ARE REPRESENTATIVE ONLY. ALTHOUGH EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THESE BACKGROUNDS, ACTUAL SITE CONDITIONS AND LATEST ARCHITECTURAL DOCUMENTS MAY VARY FROM ELECTRICAL DRAWINGS. CONTRACTOR SHALL VERIFY EXACT ARCHITECTURAL LAYOUT ON SITE PRIOR TO CONSTRUCTION.

DRAWING NOTES

- CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DISCONNECT SWITCH FOR FEEDWATER PUMPS. CONDUCTOR AND CONDUIT TO BE PULLED BACK TO DISTRIBUTION JUNCTION BOX LOCATED BEHIND PUMPS AND REMOVED. TERMINATE AND CAP CONDUCTOR AT DISTRIBUTION JUNCTION BOX FOR USE WITH NEW PUMPS P06 AND P07. PUMPS FED FROM MCC-C14E LOCATED ON GROUND FLOOR. ELECTRICAL CONTRACTOR TO COORDINATE CONSTRUCTION PHASING WITH MECHANICAL TRADE. TYPICAL FOR PUMPS P-06, P-07 AND P-08 DISCONNECT SWITCHES.
- CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING JUNCTION BOXES ASSOCIATED WITH FEEDWATER PUMPS P-06, P-07 AND P-08 INCLUDING ALL ASSOCIATED CONDUCTOR AND CONDUIT TO EXISTING PUMPS. TYPICAL OF THREE (3) JUNCTION BOXES.
- DISTRIBUTION JUNCTION BOX, PAINTED WHITE, LOCATED BEHIND FEEDWATER PUMPS, TO BE MAINTAINED FOR FUTURE USE INCLUDING EXISTING CONDUIT FROM DISTRIBUTION BOX TO MCC-C14E LOCATED ON GROUND FLOOR. P-06 AND P-07 CONDUCTOR TO BE MAINTAINED FOR FUTURE USE. CONTRACTOR SHALL SAFELY ISOLATE CONDUCTORS AND IDENTIFY CONDUCTOR LOAD. P-08 CONDUCTOR SHALL BE COMPLETELY DISCONNECTED, PULLED BACK TO MCC-C14E AND REMOVED. ASSOCIATED P-8 STARTER AND BREAKER WITHIN MCC-C14E TO BE DISCONNECTED AND REMOVED.
- DISCONNECT AND REMOVE ELECTRICAL CONNECTIONS TO PUMP, ASSOCIATED CONDUCTOR AND CONDUIT TO BE PULLED BACK TO LOCAL JUNCTION BOX AND REMOVED. TYPICAL OF PUMPS P-06, P-07 AND P-08. REMOVAL OF PUMPS BY MECHANICAL TRADE.
- PROVIDE 3 - #12AWG + #12AWG BOND, RW90, 21mmC, FROM PUMP TO ASSOCIATED DISCONNECT SWITCH. CONTRACTOR SHALL COORDINATE WITH MECHANICAL TRADE FOR EXACT LOCATION OF PUMPS AND CONSTRUCTION PHASING. CONTRACTOR SHALL REPLACE EXISTING STARTER AND BREAKER AT MCC-C14E WITH NEW 15A, 3P, 600V BREAKER AND 600V, 3HP STARTER WITH RUN INDICATION LIGHT AND 'ON/OFF' SELECTOR SWITCH. TYPICAL OF P-07 AND P-08 PUMP CONNECTIONS.
- PROVIDE ONE (1) 30A, NON-FUSABLE, 600V, 3P DISCONNECT SWITCH IN A NEMA 1 ENCLOSURE AND 3 - #12AWG + #12 BOND, RW90 - 21mmC, FROM DISCONNECT SWITCH TO EXISTING MCC-C14E FEED LOCATED IN EXISTING DISTRIBUTION JUNCTION BOX. PROVIDE SPLICE KIT FOR CONDUCTOR WITHIN JUNCTION BOX. DISCONNECT SWITCH TO BE LABELLED WITH CORRESPONDING PUMP NAME ON LAMICOID TAG. TYPICAL FOR PUMPS P-07 AND P-08 DISCONNECT SWITCHES.
- CONTRACTOR SHALL DISCONNECT EXISTING PUMPS P-01 AND P-02. REMOVAL OF PUMPS AND ASSOCIATED CONTROLS BY OTHERS. ASSOCIATED CONDUCTOR, CONDUIT AND BOXES TO BE PULLED BACK TO PANEL 'B' (LOCATED IN MAIN ELECTRICAL ROOM) AND REMOVED. REPLACE EXISTING 600V, 3P, 15A BREAKER IN PANEL 'B' WITH NEW 600V, 3P, 20A BREAKER. CONTRACTOR TO NOTE THAT PUMPS P-01 AND P-02 ARE IDENTIFIED ON SITE AS CONDENSATE TRANSFER PUMPS P-04 AND P-05.
- PROVIDE 3 - #12AWG + #12 BOND TO NEW CONDENSATE TRANSFER PUMPS P-01 AND P-02. SEE DETAIL #3 FOR FURTHER DETAILS. NEW PUMPS AND CONTROLS PROVIDED BY OTHERS. COORDINATE ON SITE WITH MECHANICAL TRADE FOR EXACT LOCATION OF PUMPS AND CONTROLS REQUIREMENTS.
- PROVIDE JUNCTION BOX MOUNTED ON UNISTRUT SUPPORTS TO ALLOW TRANSITION BETWEEN EMT AND TECK 90 CONDUIT. COORDINATE EXACT LOCATION OF JUNCTION ON SITE. SEE DETAIL #3 FOR FURTHER DETAILS.
- PULL BOX APPEARS TO ALSO FEED EXISTING 15kVA TRANSFORMER WHICH IS TO REMAIN IN SERVICE. CONTRACTOR SHALL CONFIRM SOURCE AND MAINTAIN ALL EXISTING EQUIPMENT NOT ASSOCIATED WITH PUMPS P-01 AND P-02.

Key plan
Plan clé



01	ISSUED FOR ADDENDUM 1	2014/08/08
00	ISSUED FOR TENDER	2014/07/24
0A	ISSUED FOR 99% REVIEW	2014/05/22
revision	description	date

Do not scale drawings.
Verify all dimensions and conditions on site and
immediately notify the engineer of all discrepancies.

	A Detail No. No. du détail
	B drawing no. - where detail required dessin no. - où détail exigé
	C drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
OTTAWA ONTARIO
CLIENT
560 KING STREET,
KINGSTON, K7L 4V7
**KINGSTON PENITENTIARY
HEATING PLANT UPGRADE**

drawing title
titre du dessin
**BASEMENT ELECTRICAL LAYOUT /
EQUIPMENT DEMOLITION AND NEW**

drawn by
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approved by
approuvé par
CHERYL WHITE

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project date
date du projet
2014/04/07

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no. du projet
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