

1 BASEMENT PLAN
SCALE: 1/8" = 1'-0"

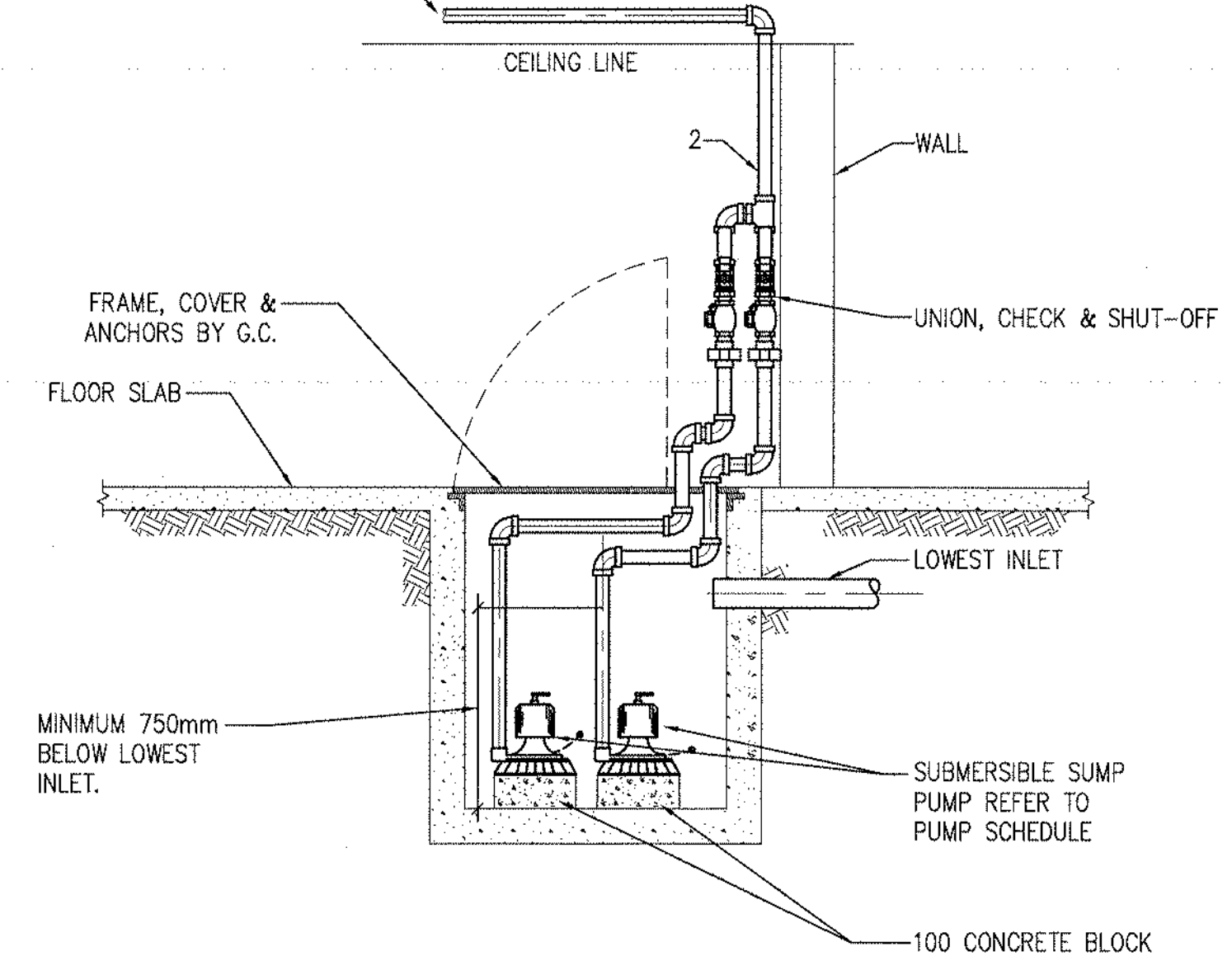
MECHANICAL DRAWING NOTES ¶¶

- EXISTING COOLING TOWER TO BE DISCONNECTED AND RELOCATED ON SITE TO ALLOW FOUNDATION ACCESS. RE-INSTALL AND RECONNECT IN EXISTING LOCATION.
- DUPLEX SUBMERSIBLE SUMP PUMPS IN NEW SUMP PIT.
- RUN 2" SUMP PUMP DISCHARGE LINE TIGHT TO UNDERSIDE OF MAIN FLOOR. COORDINATE EXACT ROUTE WITH ALL EXISTING PIPING, CONDUIT, CABLING, STRUCTURE, ETC.
- OFFSET AND EXTEND DISCHARGE LINE FROM CORNER.
- SLOPE DISCHARGE TO ENSURE LINE DRAINS WHEN PUMP STOPS.
- MOUNT PUMP CONTROL PANEL APPROXIMATELY HERE. CONFIRM EXACT LOCATION ON SITE.
- COORDINATE REQUIREMENTS OF MANITOBA HYDRO TO EXCAVATE AROUND EXISTING GAS SERVICE.
- CORE WALL PENETRATIONS. CAULK ALL PENETRATIONS.

ELECTRICAL DRAWING NOTES ¶¶

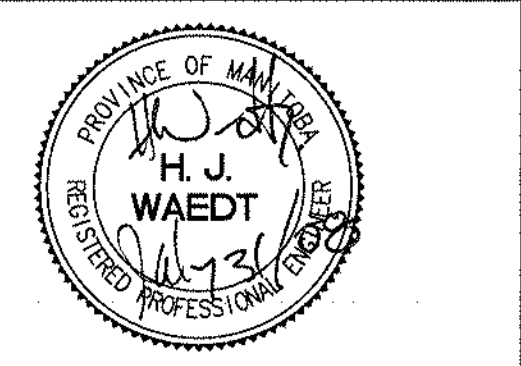
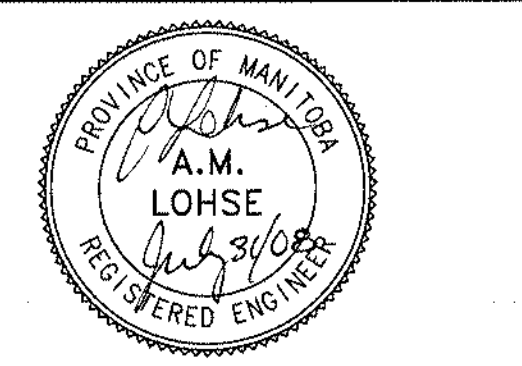
- WIRE AND CONNECT TWO 15A-120V DUPLEX RECEPTACLES TO PUMP CONTROLLER PANEL AS PER PUMP CONTROL WIRING DIAGRAM. LOCATE RECEPTACLES ON WALL ADJACENT TO CONTROLLER SUPPLIED BY DIVISION 15. PROVIDE TWO SEPARATE 15A-120V CIRCUITS TO EACH OF THE THREE CONTROL PANELS FROM PANEL "E". WIRE WITH #12 RW90 CU CONDUCTORS IN CONDUIT. PROVIDE ONE LAMICOID LABEL FOR EACH CONTROL PANEL WITH THE CIRCUIT NUMBERS AND WORDING "CONTROL PANEL FED FROM MORE THAN ONE CIRCUIT".
- SUPPLY SIX NEW SINGLE POLE 15A BREAKERS IN PANEL "E" AND PROVIDE UPDATED TYPED PRINTED PANEL DIRECTORY.
- PROVIDE TWO #12 RW90 CU CONDUCTORS IN CONDUIT TO THE MAIN FLOOR RECEPTION DESK FROM EACH CONTROL PANEL. CONNECT TO HIGH LEVEL ALARM IN CONTROLLERS AND TO REMOTE ANNUNCIATOR AT RECEPTION DESK. PROVIDE ONE 15A-120V CIRCUIT FROM NEAREST ELECTRICAL PANEL TO THE REMOTE ALARM ANNUNCIATOR PANEL AT THE RECEPTION DESK. CONFIRM EXACT LOCATION ON SITE WITH OWNER.
- DISCONNECT AND MAKE SAFE ALL ELECTRICAL POWER AND CONTROL WIRING FOR THE COOLING TOWER REMOVAL. TAG ALL CONNECTIONS AND ONCE EXCAVATION AND COOLING TOWER IS SET BACK IN PLACE, RECONNECT AND TEST.
- DIVISION 16 TO DETERMINE AND MARK LOCATIONS OF EXISTING ELECTRICAL SERVICES IN COORDINATION WITH EXCAVATION CONTRACTOR FOR UNDERGROUND ELECTRICAL. RELOCATE, PROTECT AND SUPPORT AS REQUIRED TO ALLOW FOR THE PERIMETER BUILDING EXCAVATION. WHEN BACKFILLING IS COMPLETE, RESET IN SAND AND PROVIDE REQUIRED PROTECTION UNDERGROUND AND UP SIDE OF BUILDING AS REQUIRED BY CANADIAN ELECTRICAL CODE AND LOCAL CODES.
- COORDINATE LOCATION OF PUMP CONTROL PANELS WITH DIVISION 15. PROVIDE MECHANICAL PROTECTION FOR CABLE RUN FROM SUMP-PITS TO PUMP CONTROLLERS.

REFER TO DRAWINGS FOR CONTINUATION OF PIPING TO DISCHARGE OUTLET



DUPLEX SUBMERSIBLE SUMP PUMP DETAIL
N.T.S.

APEGM
Certificate of Authorization
SMS Engineering Ltd.
No. 166 Expiry: April 30, 2009



SMS ENGINEERING
SMS Engineering Ltd. Consulting Engineers
770 Bradford Street Winnipeg MB Canada R3H 0N2
Telephone 204.775.0291 Fax 204.772.2153
sms@smseng.com

No.	Date	Revisions	By

CROSIER KILGOUR & PARTNERS LTD.
Consulting Structural Engineers
300-275 Carlton Street, Winnipeg, MB R3C 5R6
Tel: (204) 943-7501 Fax: (204) 943-7507

The General Contractor shall check & verify all dimensions and shall report any errors or omissions to the designers.

Project		FOUNDATION WATERPROOFING - CARNEGIE BUILDING 380 WILLIAM AVENUE WINNIPEG, MANITOBA			
Drawing Title		BASEMENT PLAN PLUMBING AND ELECTRICAL			
Design	Drawn	Checked	Scale	Date	File
HW/TS	RR	HW/TS	AS NOTED	07/17/2008	08-111-01
Sheet No.					ME-1