

1 BASEMENT MECHANICAL ROOM (COMMUNAL WING) FIRE PUMP LAYOUT
MF100 NOT TO SCALE

FIRE PUMP & JOCKEY PUMP SCHEDULE

TAG		SIZE	SUCTION	DISCHARGE	FLOW RATE	HEAD	EFFIC.	MOTOR		NOTES
			mm	mm				kW	RPM	
FP-1	PRIMARY FIRE PUMP	6x6x8	152	152	31.55	621	-	37.29	3,550	1, 2
JP-1	JOCKEY PUMP	1-1/4 x 1-1/4	32	32	0.32	689	-	1.12	3,600	2

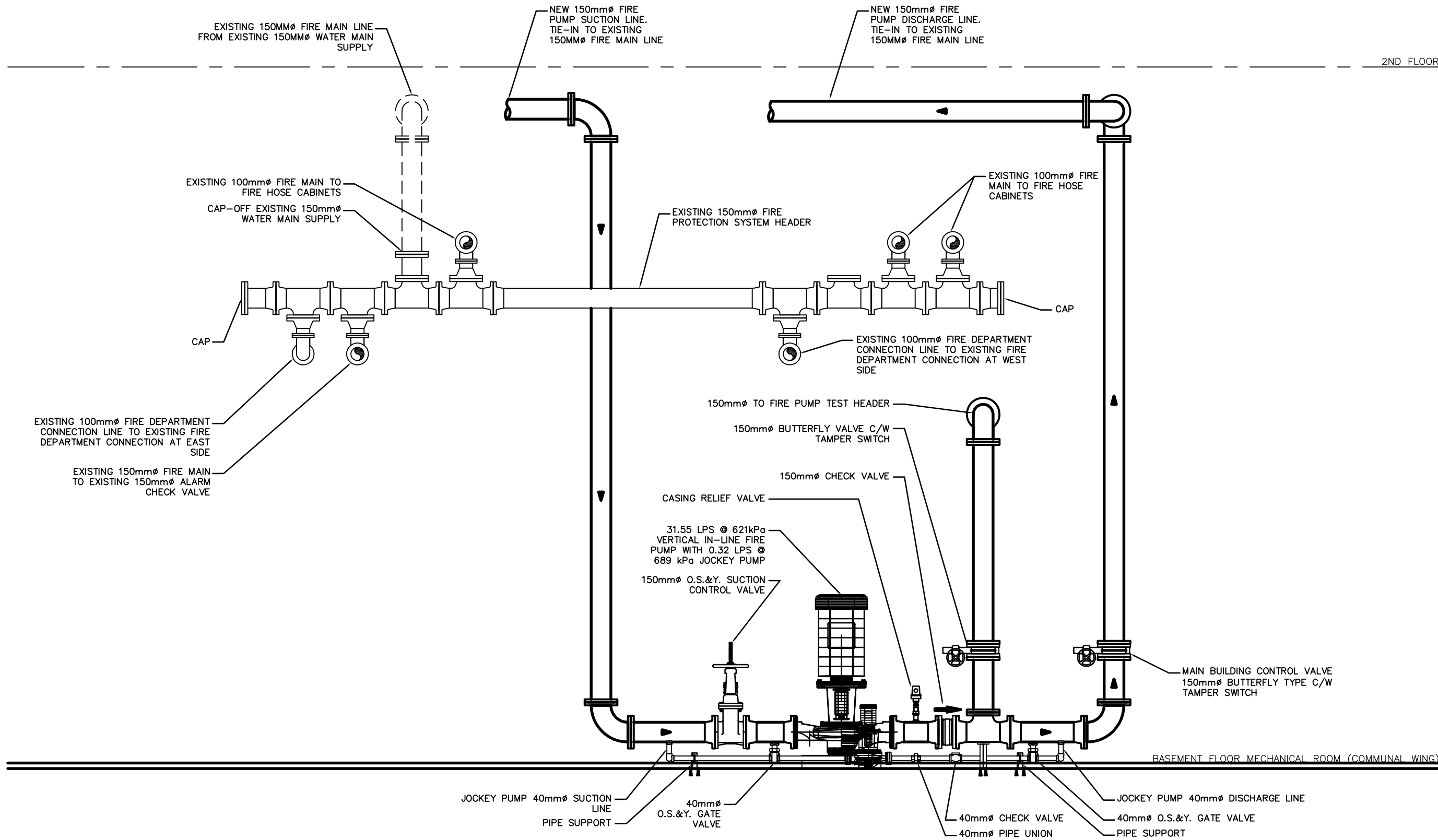
NOTES:
[1] ELECTRIC DRIVEN FIRE PUMP.
[2] REFER TO SPECIFICATION FOR MORE INFO.

KEYNOTES:

- EXISTING 150MMØ WATER MAIN SUPPLY.
- EXISTING 150MMØ FIRE MAIN LINE C/W EXISTING DOUBLE CHECK VALVE BACKFLOW PREVENTER.
- REMOVE SECTION OF FIRE MAIN LINE AND MODIFY TO SUIT NEW INSTALLATION OF FIRE PUMP SUCTION AND DISCHARGE LINE.
- EXISTING 150MMØ FIRE MAIN LINE TO EXISTING FIRE PROTECTION SYSTEM HEADER.
- NEW 150MMØ FIRE PUMP SUCTION LINE.
- NEW PACKAGED TYPE ELECTRIC MOTOR DRIVEN VERTICAL IN-LINE FIRE PUMP C/W JOCKEY PUMP, CONTROL PANELS, TRANSFER SWITCH AND APPURTENANCES. REFER TO SCHEDULE FOR CAPACITY ON THIS DRAWING. INSTALL FIRE PUMP WITHOUT OBSTRUCTING THE TRAVEL PATH TO EXISTING FIRE HOSE CABINET AND EMERGENCY EYEWASH/SHOWER STATION.
- NEW 150MMØ FIRE PUMP DISCHARGE LINE.
- CONNECT NEW 150MMØ FIRE PUMP SUCTION LINE TO EXISTING 150MMØ FIRE MAIN LINE.
- CONNECT NEW 150MMØ FIRE PUMP DISCHARGE LINE TO EXISTING 150MMØ FIRE MAIN LINE.
- TO EXISTING DOMESTIC WATER DISTRIBUTION.
- 150MMØ FIRE PUMP TEST HEADER LINE C/W SHUT-OFF VALVE.
- NEW 2-65MMØ x 150MMØ HOSE VALVE FIRE PUMP TEST HEADER.
- EXISTING FLOOR DRAINS CAN BE USE FOR INDIRECT DRAIN CONNECTION.



3 BASEMENT MECHANICAL ROOM (COMMUNAL WING) FIRE PUMP PROPOSED LOCATION
MF100 NOT TO SCALE



2 FIRE PUMP SCHEMATIC DIAGRAM
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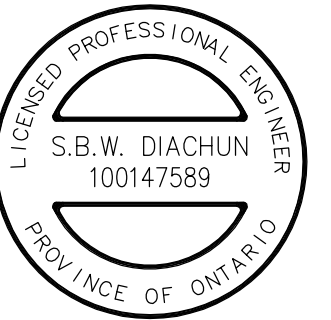
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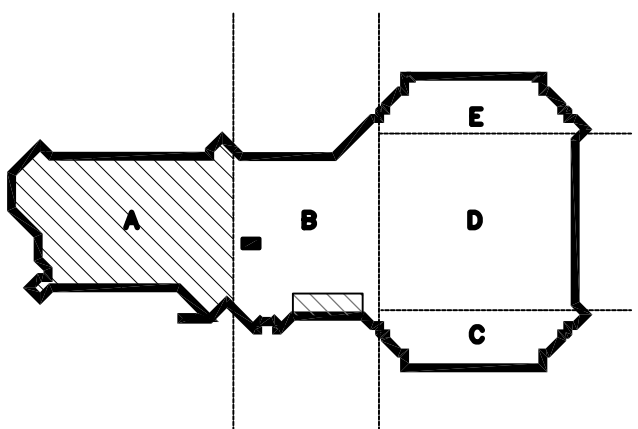
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stamp



key plan

plan repère



Contractor to verify all dimensions
& conditions on site and immediately
notify the engineer of all discrepancies.

revisions	description	date
0	ISSUED FOR ADDENDUM NO. 4	2014/01/31

A	A detail no. no. du detail
C	B location drawing no. sur dessin no.
	C drawing no. dessin no.

project project

SIR FREDERICK BANTING
RESEARCH CENTRE
ANIMAL TO WET LAB CONVERSION

251 SIR FREDERICK BANTING WAY, ON

drawing dessin

BASEMENT FLOOR
(COMMUNAL WING)
FIRE PUMP LAYOUT

Designed By R. ROQUE Conçu par

Date (yyyy/mm/dd)

Drawn By R. ROQUE Dessiné par

Date (yyyy/mm/dd)

Reviewed By S. DIACHUN Examiné par

Date (yyyy/mm/dd)

Approved By S. DIACHUN Approuvé par

Date (yyyy/mm/dd)

Tender Soumission

Project Manager Administrateur de projets

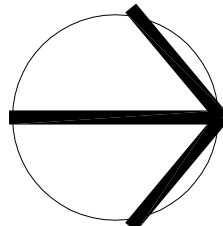
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PROJECT NORTH



LE NORD DU PROJET