



- GENERAL NOTES:**
- DO NOT SCALE THIS DRAWING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
 - CONTRACTOR SHALL INCLUDE FOR AND PROVIDE ALL COORDINATION BETWEEN TRADES AND CONSULTANT ON AND OFF SITE AS REQUIRED FOR INSTALLATION OF MECHANICAL AND ELECTRICAL SYSTEMS. WHERE MINOR REROUTING OF SERVICES IS REQUIRED DUE TO ON-SITE CONDITIONS, IT SHALL BE PERFORMED AT NO ADDITIONAL COST.
 - FIRE STOP ALL PIPE PENETRATIONS WHERE THEY PASS THROUGH FIRE RATED WALLS. CONFIRM ON SITE FOR LOCATION OF RATED WALLS AND THEIR RATING IN HOURS.
 - CONFORM TO SPECIFICATIONS AND MANUFACTURER GUIDES FOR MATERIALS AND UNITS' INSTALLATION DETAILS.
 - CHECK FOR ASBESTOS BEFORE PERFORMING DEMOLITION WORK. ASBESTOS REMOVAL TO BE DONE BY OTHERS.
 - PIPING ROUTE AND SIZING WAS DRAFTED BASED ON SITE MARKUPS AND ORIGINAL DRAWINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
 - PROVIDE TEMPORARY HEATING AS REQUIRED. DO NOT USE NEW EQUIPMENT FOR THIS PURPOSE WITHOUT THE EXPRESS CONSENT OF THE ENGINEER. REFER TO DRAWING M12.
 - SCHEDULING OF ALL WORK SHALL BE ARRANGED WITH THE OWNER. COORDINATE THE SHUT-DOWN OF EXISTING UTILITIES AND SERVICES AS REQUIRED FOR CONNECTIONS OF NEW WORK. WORK WITHIN THE BUILDING MAY HAVE TO BE PERFORMED DURING NON-REGULAR HOURS, AND MUST CONFORM TO THE WORK RULES OF THE BUILDING, AS DIRECTED BY THE OWNER.

SYMBOL SCHEDULE:

xxx	EQUIPMENT TAG
X	KEYNOTE INDICATION
xxx	SYSTEM DESCRIPTION
xxx	SIZE DESCRIPTION
---	EXISTING SYSTEM TO REMAIN
- - -	EXISTING SYSTEM TO BE REMOVED
---	NEW SYSTEM
DHWS	DOMESTIC HOT WATER
DHRW	DOMESTIC HOT RECIRCULATED WATER
DCW	DOMESTIC COLD WATER
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
HWR-HT	HOT WATER RETURN (HIGH TEMPERATURE)
HWR-LT	HOT WATER RETURN (LOW TEMPERATURE)
RHS	RADIATION HEATING SUPPLY
RHR	RADIATION HEATING RETURN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
CGS	COMPRESSORS GLYCOL SUPPLY
CGR	COMPRESSORS GLYCOL RETURN
NG	NATURAL GAS
STEAM	STEAM
CONDENSATE	CONDENSATE
E/A	EXHAUST AIR
V/A	VENTILATION AIR



LEGEND

Environment Canada
 Real Property Management Division
 Division Gestion des biens Immobiliers
 Services Techniques



revisions	description	date
1	ISSUED FOR CONSTRUCTION	30-JUN-2017
0	ISSUED FOR BIDD REVIEW	28-APR-2017

A	A detail no.	A
C	B location drawing no.	B
	C our design no.	C

project

NHRC MECHANICAL UPGRADES BOILERS REPLACEMENT

NATIONAL HYDROLOGY RESEARCH CENTRE
 11 INNOVATION BOULEVARD
 SASKATOON, SASKATCHEWAN

drawing

MECHANICAL KEYPLAN

Designed By	MIG	Conçu par	MIG
Date	2017/04/28	(yyyy/mm/dd)	
Drawn By	MIG	Dessiné par	MIG
Date	2017/04/28	(yyyy/mm/dd)	
Reviewed By	DJH	Examiné par	DJH
Date	2017/06/19	(yyyy/mm/dd)	
Approved By	DJH	Approuvé par	DJH
Date	2017/06/23	(yyyy/mm/dd)	

Tender

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Drawing no. M1