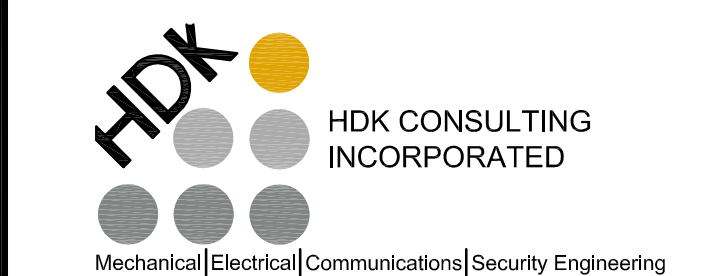




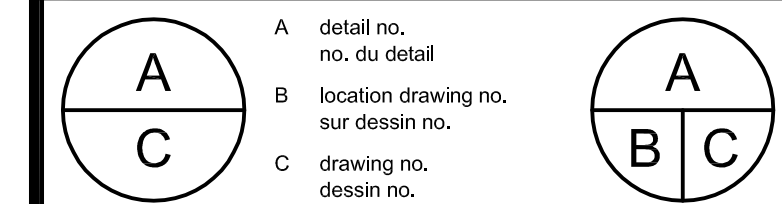
LEGEND

1. DO NOT SCALE THIS DRAWING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
2. CONTRACTOR SHALL ALLOW FOR AND PROVIDE ALL CONNECTIONS BETWEEN THE EXISTING CONDUIT ON AND OFF SITE AS REQUIRED FOR INSTALLATION OF MECHANICAL AND ELECTRICAL SYSTEMS, WHERE MINOR REROUTING OF SERVICES IS REQUIRED DUE TO ONSITE CONDITIONS, IT SHALL BE PERFORMED AT NO ADDITIONAL COST.
3. FIRE STOP ALL PIPE PENETRATIONS WHERE THEY PASS THROUGH FIRE RATED WALLS. CONFIRM ON SITE LOCATION OF RATED WALLS AND THEIR RATING IN HOURS.
4. CONSULT TO SPECIFICATIONS AND MANUFACTURER GUIDES FOR MATERIALS AND UNITS INSTALLATION DETAILS.
5. CHECK FOR ASBESTOS BEFORE PERFORMING DEMOLITION WORK. ASBESTOS REMOVAL TO BE DONE BY OTHERS.
6. PIPING ROUTE AND SIZING WAS DRAFTED BASED ON SITE CONDITIONS AND ORIGINALLY DRAFTED CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
7. PROVIDE TEMPORARY HEATING AS REQUIRED. DO NOT USE NEW EQUIPMENT FOR THIS PURPOSE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. REFER TO DRAWING M12.
8. SCHEDULING OF ALL WORK SHALL BE ARRANGED WITH THE PROJECT COORDINATOR. CONTRACTOR SHALL PROVIDE UTILITIES AND SERVICES AS REQUIRED FOR CONNECTIONS OF NEW WORK. WORK WITHIN THE BUILDING MAY HAVE TO BE PERFORMED ON A NON-REGULAR BASIS. CONTRACTOR SHALL COMPLY TO THE WORK RULES OF THE BUILDING, AS DIRECTED BY THE OWNER.

- 1 PROVIDE NEW GAS-TO-STEAM HUMIDIFIER. PROVIDE STEAM LINE AND CONNECT SYSTEM TO STEAM MANIFOLD IN THE RESPECTIVE AHU.
- 2 PROVIDE NEW EXHAUST VENT. VERIFY BEST POSITION ON-SITE AND CREATE NEW WALL PENETRATION TO EXTERIOR.
- 3 PROVIDE NEW STEAM MANIFOLD AS PER SYSTEM CAPACITY, ACCORDING TO MANUFACTURER'S SIZING RECOMMENDATION AND AHU DIMENSIONS. TYPICAL OF TWO.
- 4 NEW STEAM LINE, AS PER MANUFACTURER'S RECOMMENDATIONS.
- 5 CONNECT NEW EQUIPMENT TO EXISTING NATURAL GAS SYSTEM.
- 6 CONNECT NEW EQUIPMENT TO EXISTING DRAIN AND WATER SYSTEMS.
- 7 PROVIDE NEW FLOOR DRAIN. CONNECT TO DRAIN LINE IN THE WELDING ROOM (1643), ON THE MAIN FLOOR.
- 8 NEW FIRE RATED ROOM. REFER TO ARCHITECTURAL DRAWING FOR MORE DETAILS.
- 9 NEW DOOR TO MEZZANINE. REFER TO ARCHITECTURAL DRAWING FOR MORE DETAILS.
- 10 NEW CATAWALK. REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS.
- 11 DECOMMISSIONED STEAM AND CONDENSATE PIPES THAT COULD NOT BE REMOVED. CAP PIPES AND PATCH WALL.
- 12 PROVIDE NEW COMBUSTION AIR INTAKE. VERIFY BEST POSITION ON-SITE AND CREATE NEW WALL PENETRATION TO EXTERIOR.
- 13 COORDINATE REMOVAL AND INSTALLATION OF NEW SYSTEMS WITH EXISTING DUCTS AND PIPING BELOW. ALLOW FOR ADJUSTMENTS AS REQUIRED.



1	ISSUED FOR CONSTRUCTION	30-JUN-2017
0	ISSUED FOR 90% REVIEW	28-APR-2017
revisions	description	date



project	project
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NHRC
MECHANICAL UPGRADES
BOILERS REPLACEMENT

NATIONAL HYDROLOGY RESEARCH CENTRE
11 INNOVATION BOULEVARD
SASKATOON, SASKATCHEWAN

drawing	dessin
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SHOP AREA
NEW SYSTEMS

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

Tender	Soumission
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NIKOLAS FEHR

Project Manager	Administrateur de projets
EC Proj no	Consultant Proj no

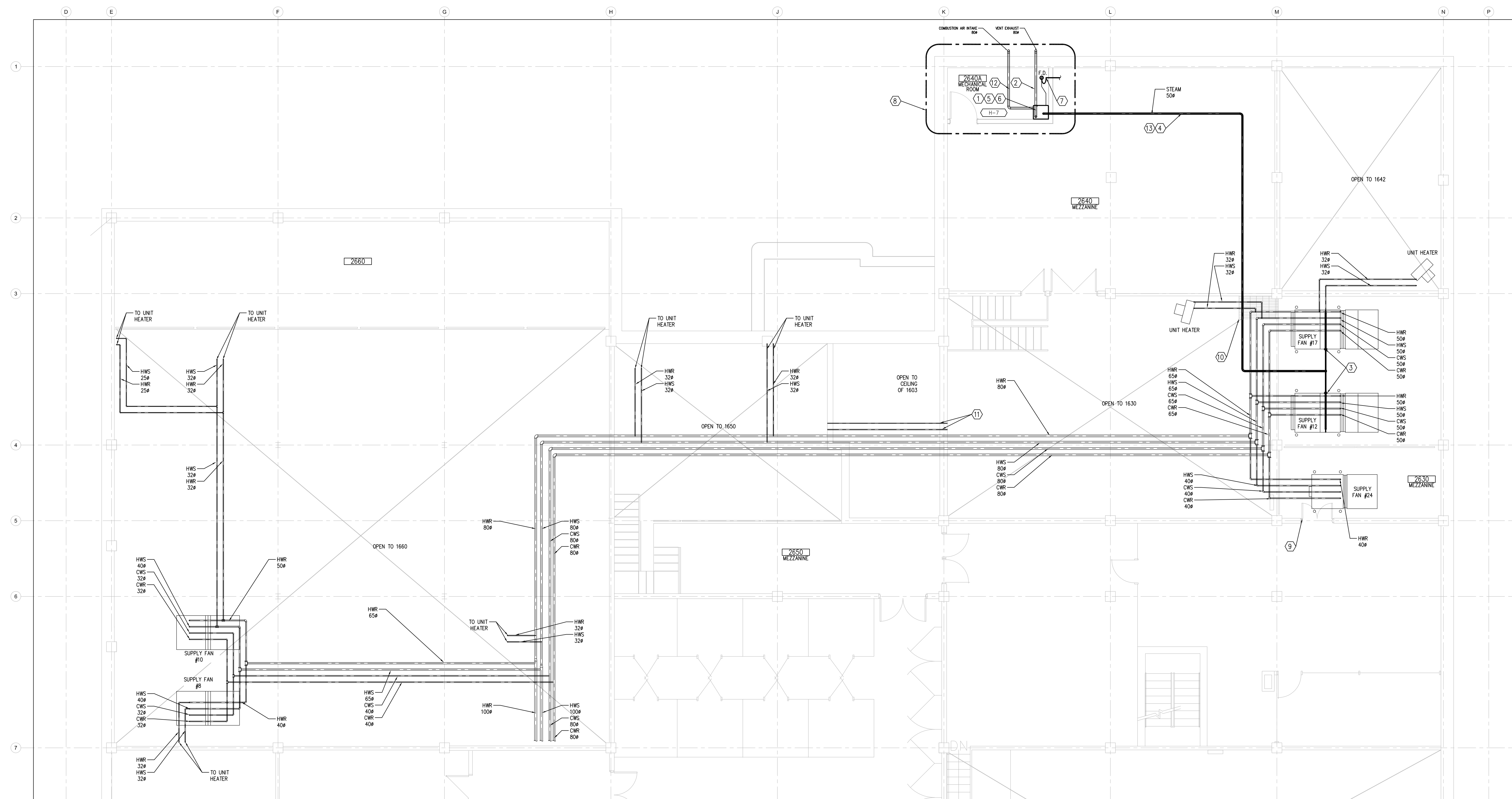
Contract No.	Contract Title
NHBC 010	16131

NHRC-010	16131
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Drawing no. _____ No. du dessin _____

M7

M7



1 SHOP AREA - NEW SYSTEMS

