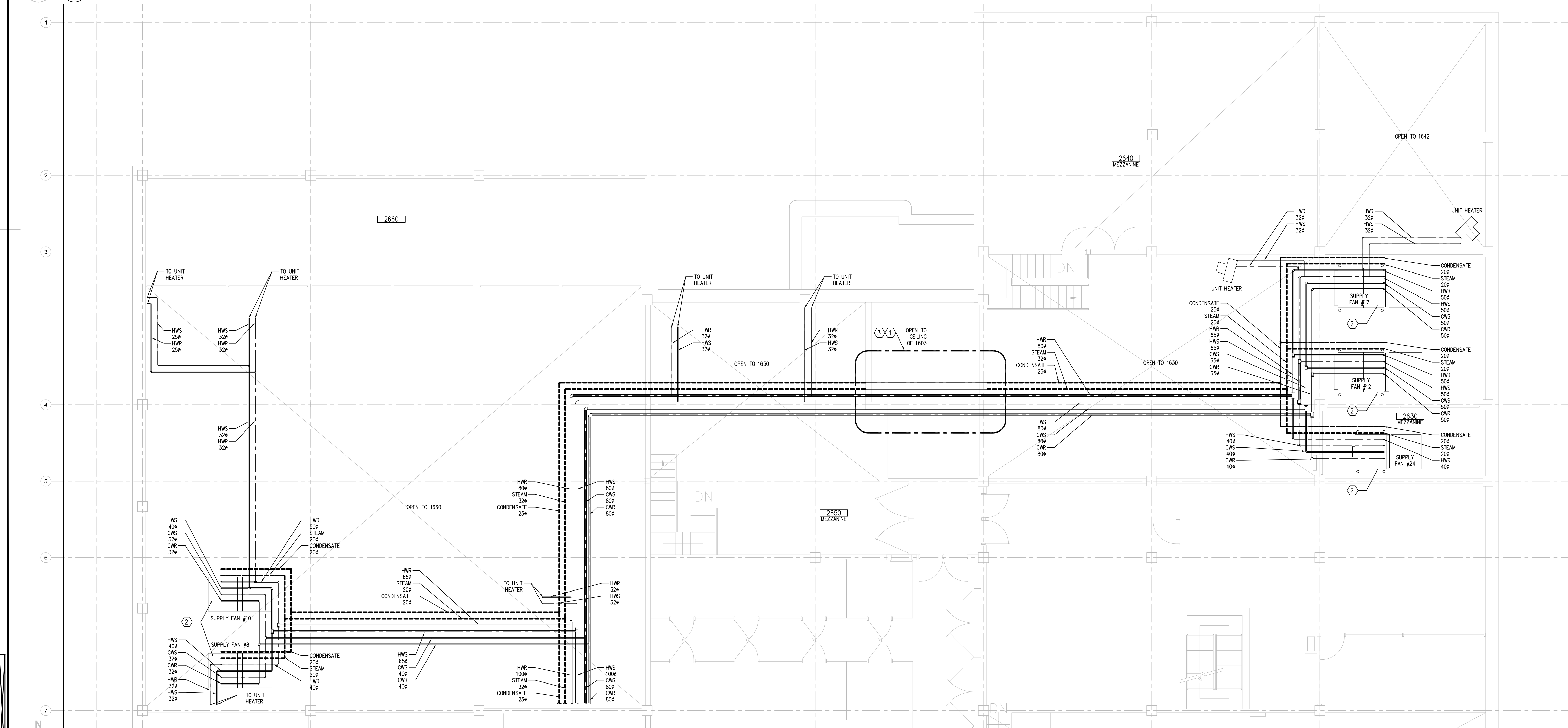


1 SHOP AREA - EXISTING SYSTEMS AND DEMOLITION (HVAC)



2 SHOP AREA - EXISTING SYSTEMS AND DEMOLITION (PIPING)

# GENERAL NOTES:

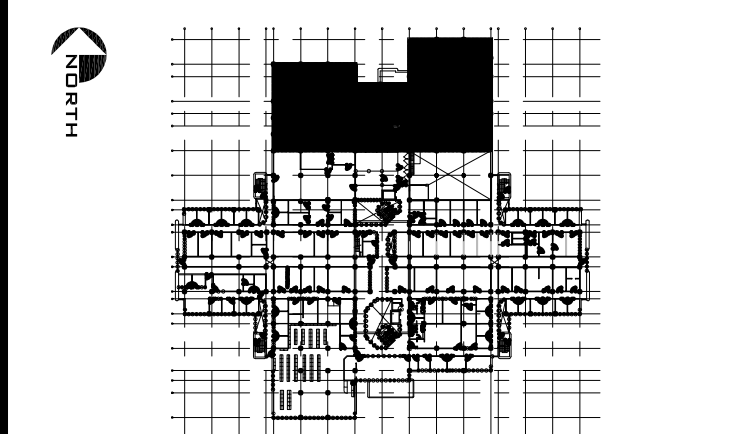
- DO NOT SCALE THIS DRAWING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR SHALL INCLUDE FOR AND PROVIDE ALL COORDINATION BETWEEN TRADES AND CONSULTANT ON AND OFF SITE AS REQUIRED FOR INSTALLATION OF MECHANICAL AND ELECTRICAL SYSTEMS, WHERE MINOR REROUTING OF SERVICES IS REQUIRED DUE TO ONSITE 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 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.

## # HVAC EXISTING SYSTEMS AND DEMOLITION KEYNOTES:

- AREA FOR INSTALLATION OF NEW GAS-TO-STEAM HUMIDIFIER. REFER TO DRAWING M6 FOR MORE DETAILS. FIRE RATED ROOM CONSTRUCTED ACCORDING TO ARCHITECTURAL DRAWINGS.
- EXISTING SUPPLY FAN #108 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING SUPPLY FAN #10 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING SUPPLY FAN #12 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING SUPPLY FAN #17 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING SUPPLY FAN #24 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK TO REMAIN (TYPICAL).

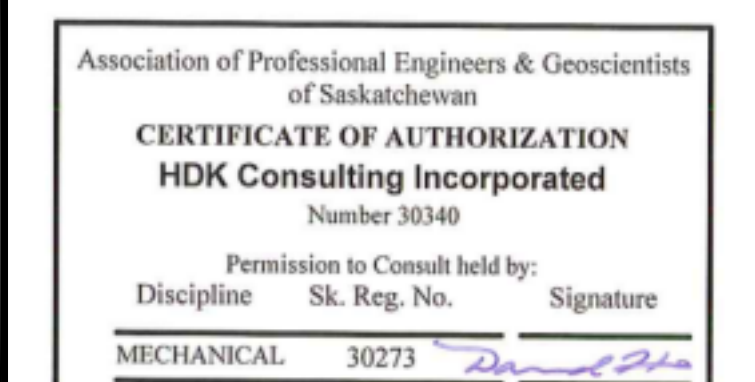
## # PIPING EXISTING SYSTEMS AND DEMOLITION KEYNOTES:

- REMOVE INDICATED PIPING. CUT BACK STEAM AND CONDENSATE LINES AS MUCH AS POSSIBLE, REMOVING LINES WHERE ACCESSIBLE. CAP PIPES CLOSE TO PERIMETER WALLS OF ROOMS WHERE REMOVAL IS NOT FEASIBLE. REFER TO DRAWING M6 FOR MORE DETAILS.
- REMOVE STEAM MANIFOLD INSTALLED IN AHU (TYPICAL). REFER TO DRAWING M7 FOR DETAILS OF NEW GAS-TO-STEAM HUMIDIFIERS AND ASSOCIATED ACCESSORIES.
- COORDINATE REMOVAL AND INSTALLATION OF NEW SYSTEMS WITH EXISTING DUCTS AND PIPING BELOW. ALLOW FOR ADJUSTMENTS AS REQUIRED.



BUILDING KEY PLAN

### LEGEND



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

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

project  
**NHRC MECHANICAL UPGRADES BOILERS REPLACEMENT**  
NATIONAL HYDROLOGY RESEARCH CENTRE  
11 INNOVATION BOULEVARD  
SASKATOON, SASKATCHEWAN

drawing  
**SHOP AREA EXISTING SYSTEMS AND DEMOLITION**

Designed By M/G	Conçu par M/G
Date 2017/04/28	(yyyy/mm/dd)
Drawn By M/G	Dessiné par M/G
Date 2017/04/28	(yyyy/mm/dd)
Reviewed By D/H	Examiné par D/H
Date 2017/06/19	(yyyy/mm/dd)
Approved By D/H	Approuvé par D/H
Date 2017/06/23	(yyyy/mm/dd)
Tender	Submission

Project Manager NIKOLAS FEHR	Administrateur de projets
EC Proj no. NHRC-010	Consultant Proj no. 16131

Drawing no.  
**M6**