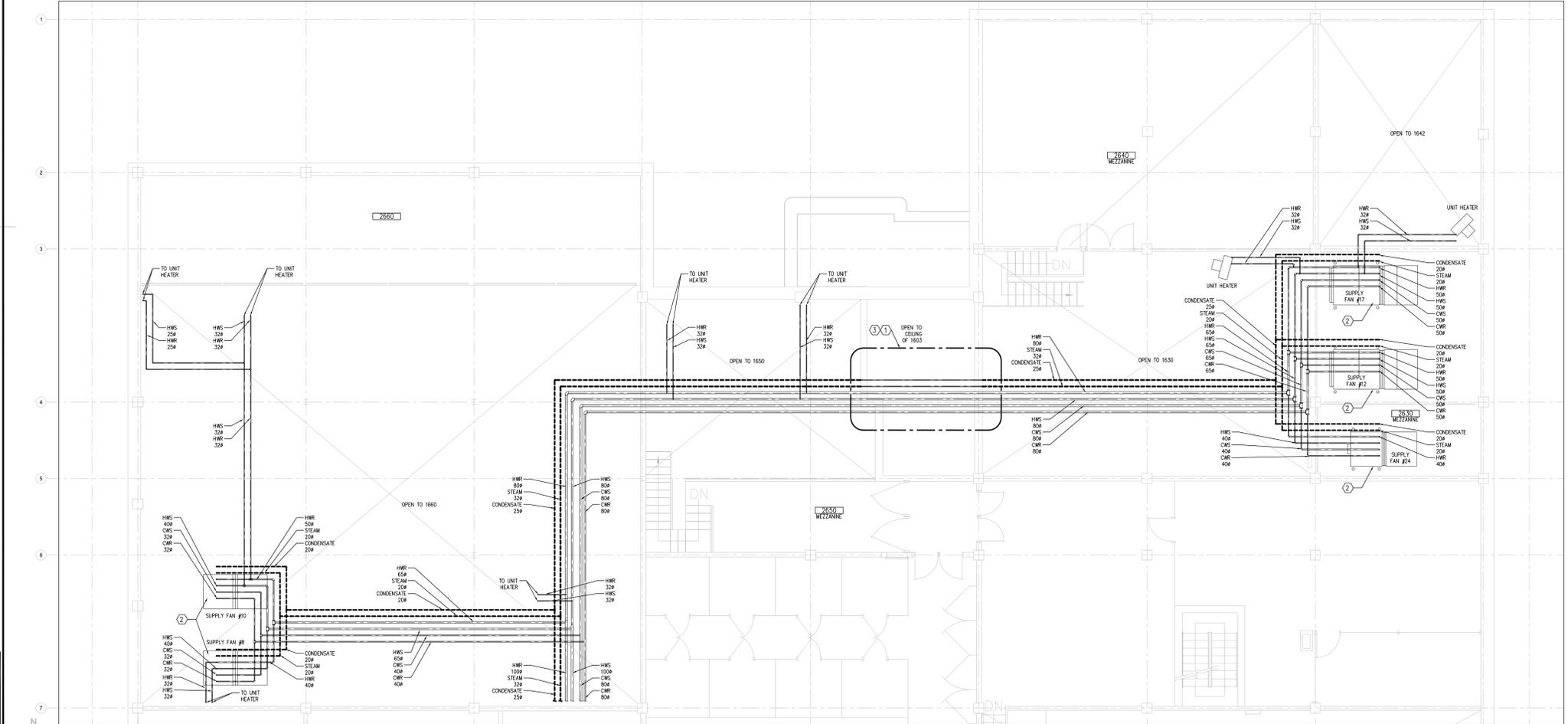


1 SHOP AREA - EXISTING SYSTEMS AND DEMOLITION (HVAC)
M6 / 175



2 SHOP AREA - EXISTING SYSTEMS AND DEMOLITION (PIPING)
M6 / 175

GENERAL NOTES:

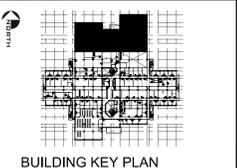
- DO NOT SCALE THIS DRAWING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR SHALL INCLUDE FOR AND PROVIDE ALL COORDINATION BETWEEN TRADES AND CONSULTANT ON AND OFF SITE AS REQUIRED FOR INSTALLATION OF MECHANICAL 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.

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 #08 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 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

1	Area for installation of new gas-to-steam humidifier.
2	Existing supply fan #08 and associated ductwork to remain.
3	Existing supply fan #10 and associated ductwork to remain.
4	Existing supply fan #12 and associated ductwork to remain.
5	Existing supply fan #17 and associated ductwork to remain.
6	Existing exhaust fan and associated ductwork to remain (typical).

1	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.
2	Remove steam manifold installed in AHU (typical). Refer to drawing M7 for details of new gas-to-steam humidifiers and associated accessories.
3	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 review	28-APR-2017

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

SHOP AREA
EXISTING SYSTEMS
AND DEMOLITION

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

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