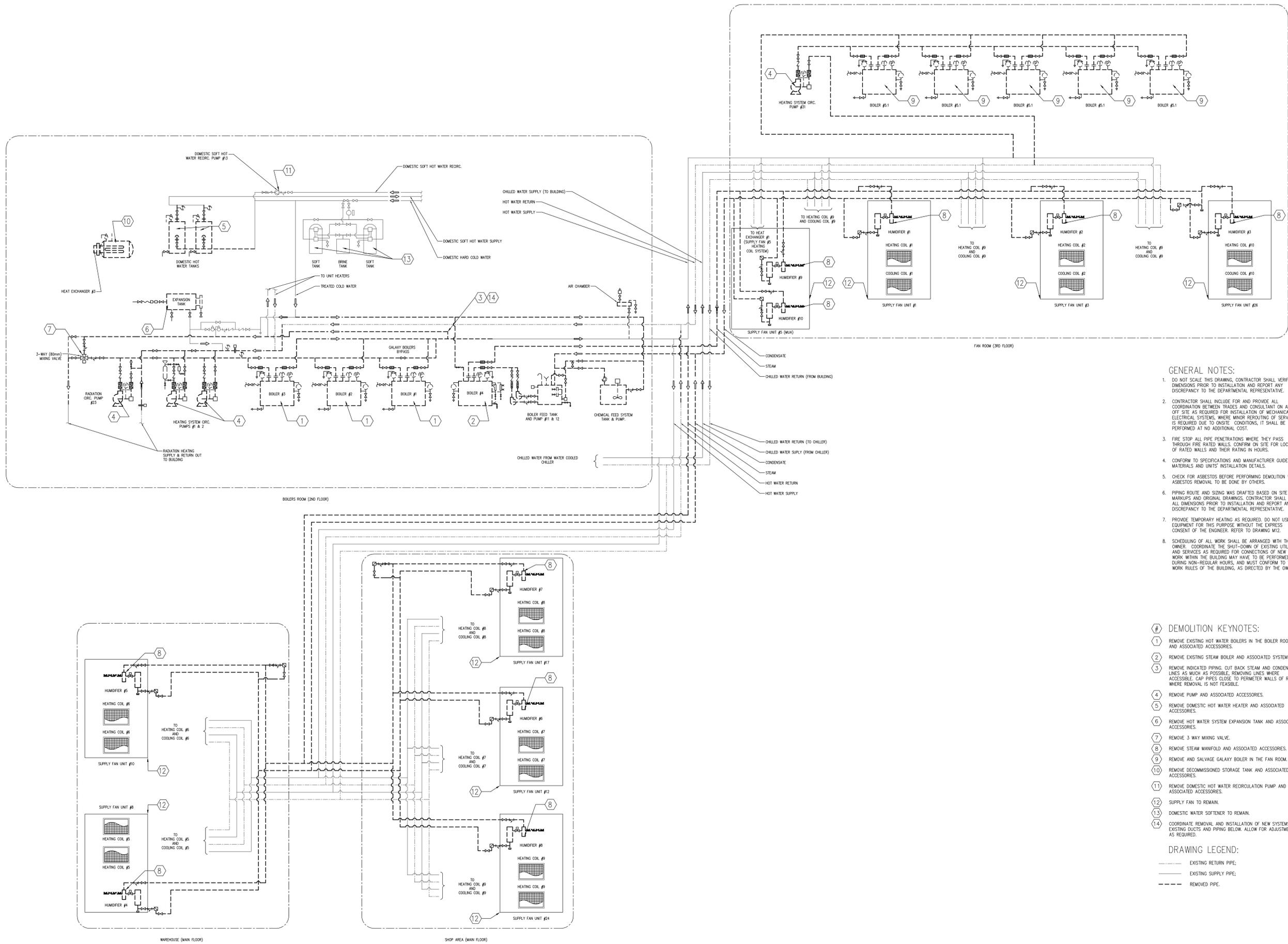




LEGEND



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.

DEMOLITION KEYNOTES:

- REMOVE EXISTING HOT WATER BOILERS IN THE BOILER ROOM AND ASSOCIATED ACCESSORIES.
- REMOVE EXISTING STEAM BOILER AND ASSOCIATED SYSTEMS.
- 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.
- REMOVE PUMP AND ASSOCIATED ACCESSORIES.
- REMOVE DOMESTIC HOT WATER HEATER AND ASSOCIATED ACCESSORIES.
- REMOVE HOT WATER SYSTEM EXPANSION TANK AND ASSOCIATED ACCESSORIES.
- REMOVE 3 WAY MIXING VALVE.
- REMOVE STEAM MANIFOLD AND ASSOCIATED ACCESSORIES.
- REMOVE AND SALVAGE GALAXY BOILER IN THE FAN ROOM.
- REMOVE DECOMMISSIONED STORAGE TANK AND ASSOCIATED ACCESSORIES.
- REMOVE DOMESTIC HOT WATER RECIRCULATION PUMP AND ASSOCIATED ACCESSORIES.
- SUPPLY FAN TO REMAIN.
- DOMESTIC WATER SOFTENER TO REMAIN.
- COORDINATE REMOVAL AND INSTALLATION OF NEW SYSTEMS WITH EXISTING DUCTS AND PIPING BELOW. ALLOW FOR ADJUSTMENTS AS REQUIRED.

DRAWING LEGEND:

- EXISTING RETURN PIPE;
- EXISTING SUPPLY PIPE;
- REMOVED PIPE.

1 MECHANICAL DIAGRAMS - EXISTING SYSTEMS AND DEMOLITION
 M8 N.T.S.



Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
HDK Consulting Incorporated
 Number 30340
 Permission to Consult held by:
 Discipline: M.E. Stk. Reg. No. Signature
 Mechanical 30273



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

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

MECHANICAL DIAGRAMS EXISTING SYSTEMS AND DEMOLITION

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 DHT	Examiné par DHT
Date 2017/06/19	(yyyy/mm/dd)
Approved By DHT	Approuvé par DHT
Date 2017/06/23	(yyyy/mm/dd)
Tender	Submission
NIKOLAS FEHR Project Manager	Administrateur de projets
EC Proj no. NHRC-010	Consultant Proj no. 16131
Drawing no. M8	No. du dessin