

BUILDING KEY PLAN

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 AND SALVAGE FIVE EXISTING GALAXY HOT WATER BOILERS.
- 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 M9 FOR MORE DETAILS.
- REMOVE EXISTING STACK VENT DUCT AND CHIMNEY, AND PATCH ROOF.
- REMOVE CIRCULATION PUMP.
- EXISTING LAB CORE SUPPLY FAN#1 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING FUME HOOD MUA FAN#5 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING OFFICE SUPPLY FAN#3 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING OFFICE RETURN FAN#4 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING PUBLIC AREA MULTIZONE FAN#26 AND ASSOCIATED DUCTWORK TO REMAIN.
- EXISTING CIRCULATION PUMP AND ASSOCIATED PIPING TO REMAIN (TYPICAL).
- EXISTING HEAT EXCHANGER TO REMAIN (TYPICAL).
- EXISTING HEAT RECLAIM SYSTEM EXPANSION TANK TO REMAIN.
- REMOVE STEAM MANIFOLDS. PREPARE FOR INSTALLATION OF NEW MANIFOLDS AND NEW GAS-TO-STEAM HUMIDIFIERS. REFER TO DRAWING M5.
- EXISTING FLOOR DRAIN TO REMAIN.
- REMOVE TWO STEAM PANELS INSTALLED IN MUA UNIT SUPPLY DUCTS, ASSOCIATED ACCESSORIES AND PIPING.
- REMOVE COMBUSTION AIR INTAKE DUCTS AND TRAP. PREPARE FOR INSTALLATION OF NEW COMBUSTION AIR INTAKE. REFER TO DRAWING M5 FOR MORE DETAILS.
- RELOCATE EXISTING CABINET WITHIN MECHANICAL ROOM. VERIFY BEST POSITION WITH DEPARTMENTAL REPRESENTATIVE.
- COORDINATE REMOVAL AND INSTALLATION OF NEW SYSTEMS WITH EXISTING DUCTS AND PIPING BELOW. ALLOW FOR ADJUSTMENTS AS REQUIRED.



HDK CONSULTING INCORPORATED
 Mechanical | Electrical | Communications | Security Engineering

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

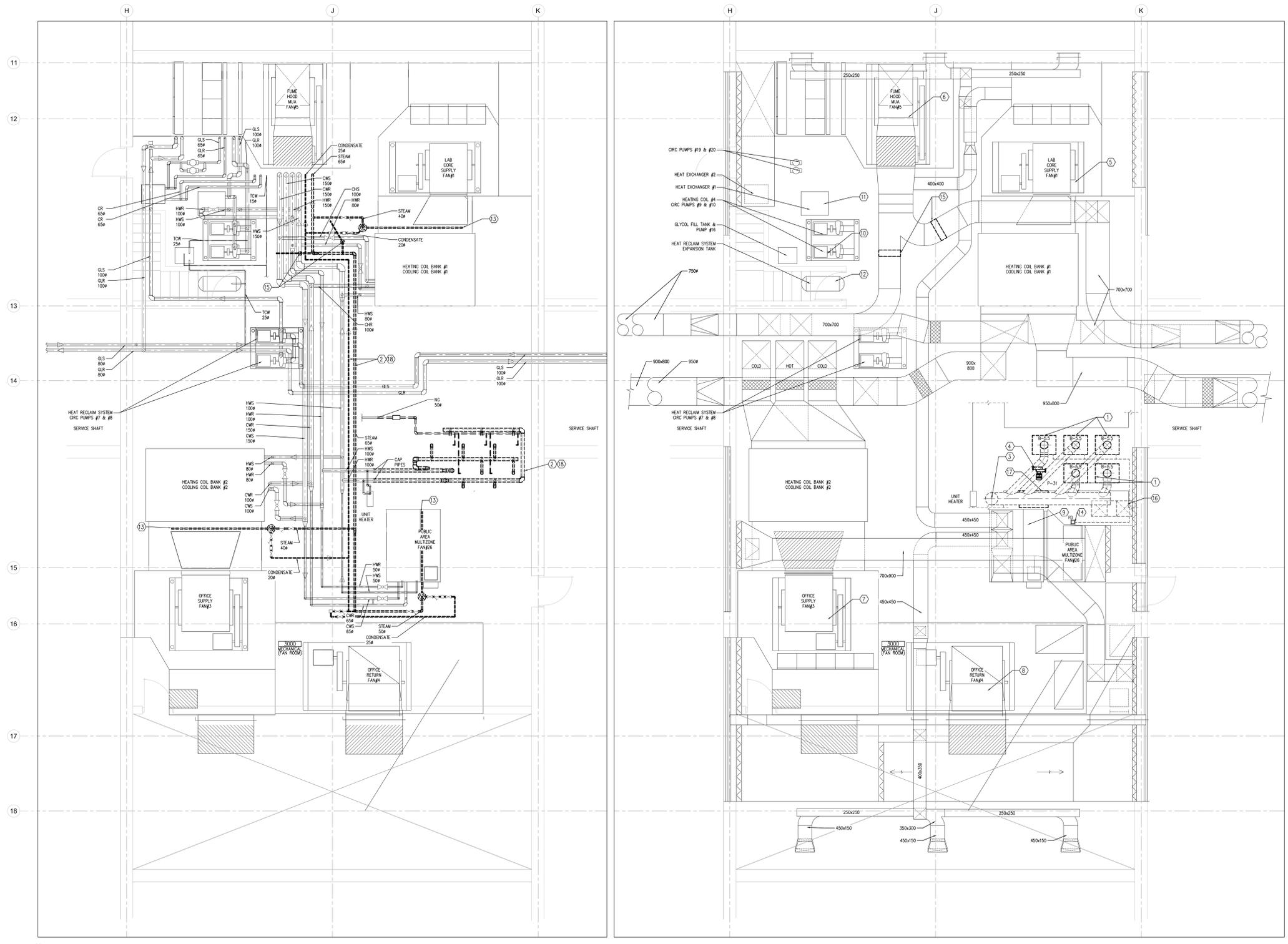
A	detail no.	A
B	location drawing no.	B
C	sur design no.	C

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

FAN ROOM EXISTING SYSTEMS AND DEMOLITION

Designed By: MCG	Conçu par: MCG
Date: 2017/04/28	Date: (yyyy/mm/dd)
Drawn By: MCG	Dessiné par: MCG
Date: 2017/04/28	Date: (yyyy/mm/dd)
Reviewed By: DHT	Examiné par: DHT
Date: 2017/06/19	Date: (yyyy/mm/dd)
Approved By: DHT	Approuvé par: DHT
Date: 2017/06/23	Date: (yyyy/mm/dd)
Tender: NIKOLAS FEHR	Administrateur de projets: NIKOLAS FEHR
EC Proj no: NHRC-010	Consultant Proj no: 16131

Drawing no. **M4**
 No. du dessin



1 FAN ROOM - EXISTING SYSTEMS AND DEMOLITION (PIPING)
 M4 1/30

2 FAN ROOM - EXISTING SYSTEMS AND DEMOLITION (HVAC)
 M4 1/30