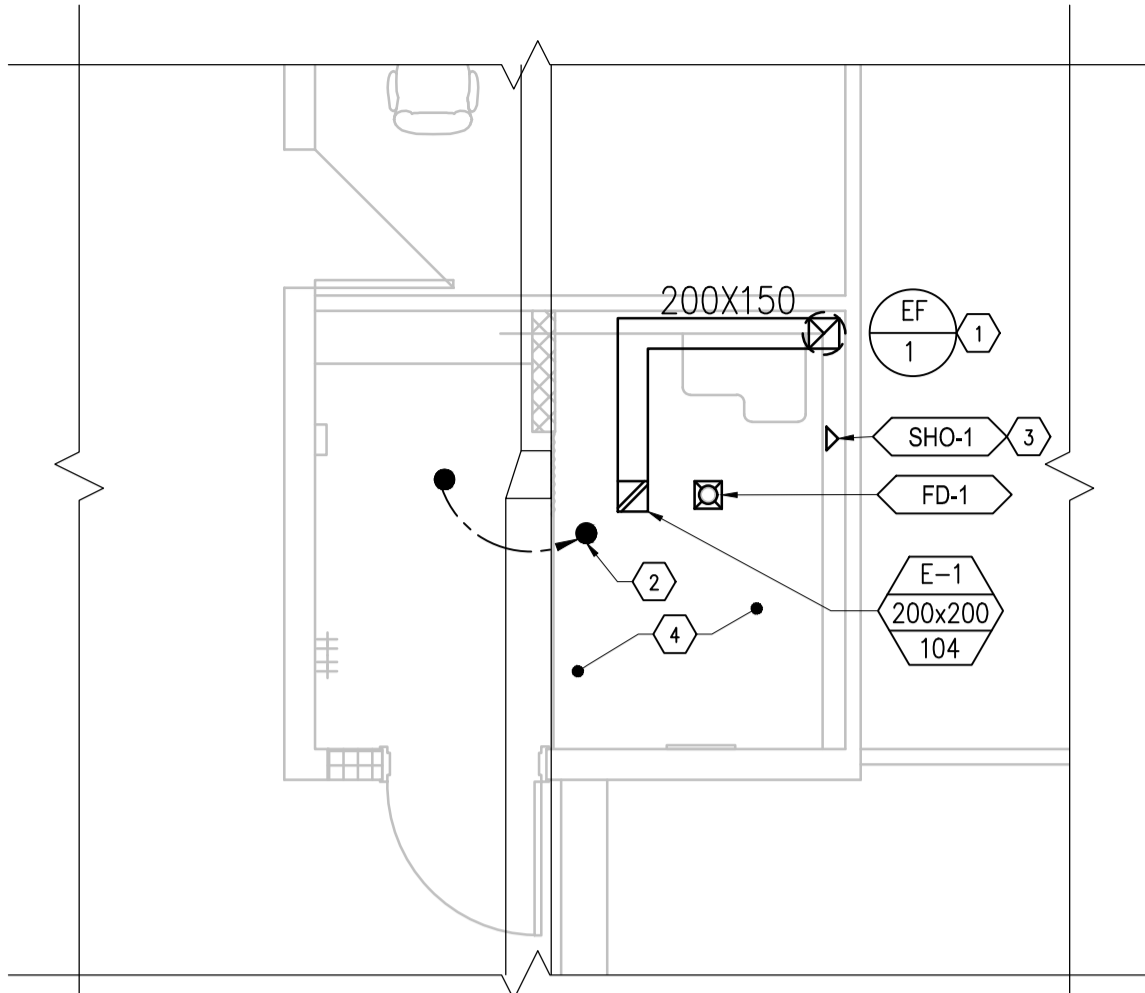


1 MECHANICAL DEMO LAYOUT - RM D51  
M1 SCALE 1:50

# DEMOLITION KEYNOTES:

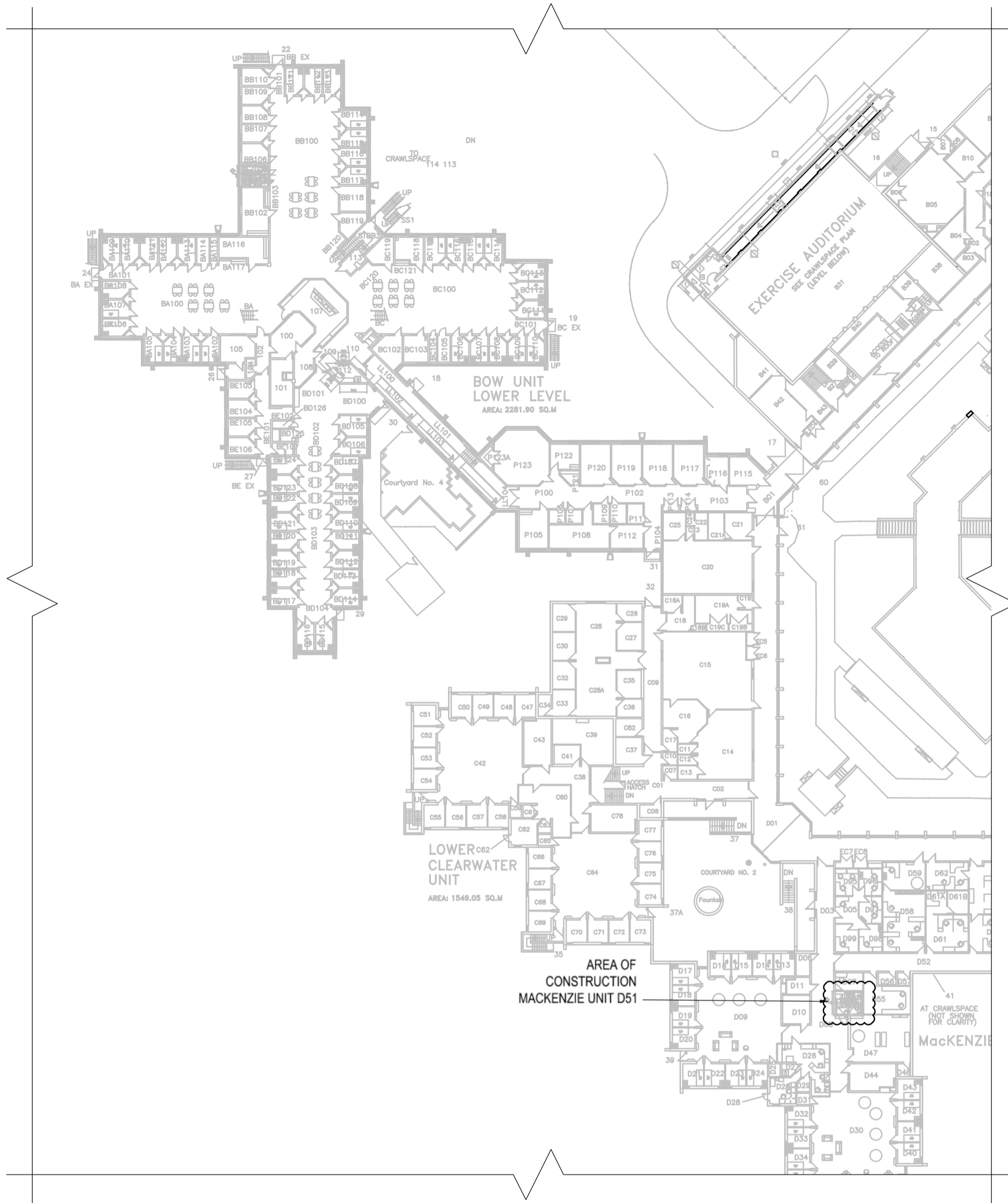
- DEMOLISH EXISTING RANGE HOOD DUCT TO U/S OF ROOF. CAP ROOF DISCHARGE ABOVE ROOF.
- REMOVE EXISTING SPRINKLER HEAD AND PIPING BACK TO MAIN AND CAP.
- DEMOLISH EXISTING RETURN GRILLE AND DUCT, AND CAP DUCT IN CEILING SPACE OF CORRIDOR.
- DEMOLISH EXISTING SUPPLY DIFFUSER AND DUCT, AND CAP IN CEILING SPACE OF CORRIDOR.
- EXISTING SPRINKLER HEAD TO BE REPLACED AND RELOCATED.
- EXISTING SINK TO BE REMOVED. CAP-OFF EXISTING DOMESTIC WATER LINES, DRAIN AND VENT MAINS RESPECTIVELY.



2 NEW MECHANICAL LAYOUT - RM D51  
M1 SCALE 1:50

# NEW CONSTRUCTION KEYNOTES:

- NEW EXHAUST FAN (EF-1) ABOVE. INTERLOCK WITH LIGHTING. PROVIDE 30 MINUTES OFF DELAY.
- LOCATION OF NEW SPRINKLER HEAD, INSTITUTIONAL TYPE.
- PROVIDE NEW INSTITUTIONAL TYPE SHOWER VALVE AND HEAD TRIMS. CONNECT NEW DOMESTIC WATER LINES, DRAIN AND VENT TO NEAREST AND SUITABLE SERVICES RESPECTIVELY. CONTRACTOR TO CONFIRM AND COORDINATE EXACT LOCATION ON SITE.
- SCAN EXISTING CONCRETE SLAB AND LOCATE EXISTING REINFORCING PRIOR TO CORING NEW FLOOR DRAIN. DO NOT CUT OR DAMAGE EXISTING SLAB REINFORCING.



3 KEY PLAN  
M1 SCALE 1:500

DIFFUSER AND GRILLE SCHEDULE (Based on E. H. PRICE)

TAG	MODEL	REMARKS
E-1	SERIES 80 EXHAUST GRILLE	REFER TO DRAWING FOR FACE SIZE
<b>NOTES:</b> 1. SELECT BORDER AND MOUNTING STYLE TO SUIT SURFACE BEING INSTALLED ON. ACCEPTABLE MANUFACTURERS: NAILOR, TITUS, EH PRICE		

FAN SCHEDULE

TAG	MANUFACTURER	TYPE	MODEL	RPM	AIR FLOW RATE (L/s) (CFM)	E.S.P. (Pa) (in.WC)	MOTOR (W) (HP)	SONES	ACCESSORIES
EF-1	GREENHECK	R	GB-081	933	104 220	50 0.20	124 0.17	3.3	BD,FC
<b>FAN TYPES:</b> C CENTRIFUGAL TA TUBE AXIAL R ROOF W WALL I IN-LINE MF MIXED FLOW CE CEILING EXHAUST P PROPELLER CU CENTRIFUGAL UP BLAST CF CEILING FAN									
<b>ABBREVIATIONS:</b> BG BELT GUARD AS ADJUSTABLE SHEAVES SC SOLID STATE SPEED CONTROL IG INLET GRILLE BD BACKDRAFT DAMPER F FILTER E EPOXY COATING IH INLET HOOD MT MANUAL RESET TIMER NSW NON-SPARKING WHEEL SH SPRING HANGERS VP VIBRATION PADS SM SPRING MOUNT WC WALL CAP DS DISCONNECT SWITCH MDW MOTION DETECTOR, WALL MTD.									
<b>NOTES:</b> 1. EF-1: INTERLOCK WITH LIGHTING AND PROVIDE 30 MIN TIMELAY FOR ADDITIONAL RUN TIME AFTER LIGHT ARE OFF. ACCEPTABLE MANUFACTURERS: LOREN COOK, TWIN CITY, GREENHECK									

GENERAL NOTES:

- DO NOT SCALE THIS DRAWING. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
- THE DRAWING ONLY SHOWS A GENERAL SCHEMATIC OF NEW SYSTEMS. ROUTING OF DUCTWORK AND UNITS LOCATIONS SHALL SUIT SITE CONDITIONS AND MAY HAVE TO BE CHANGED TO AVOID CONFLICTS WITH STRUCTURE, DUCTS AND PIPES. WHEN CONFLICT CANNOT BE AVOIDED, THE DUCTWORK SHALL BE MODIFIED AS REQUIRED.
- 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 DUCTWORK OR SERVICES IS REQUIRED DUE TO ON-SITE CONDITIONS, IT SHALL BE PERFORMED AT NO ADDITIONAL COST.
- CONFORM TO SPECIFICATIONS AND MANUFACTURER GUIDES FOR MATERIALS AND UNITS' INSTALLATION DETAILS.

DRAWING LEGEND

- SPRINKLER HEAD
- EXHAUST GRILLE
- SUPPLY DIFFUSER



Association of Professional Engineers & Geoscientists of Saskatchewan <b>CERTIFICATE OF AUTHORIZATION</b> <b>HDK Consulting Incorporated</b> Number 30340		
Discipline	Sk. Reg. No.	Signature
MECHANICAL	30273	

5		
4		
3		
2	ISSUED FOR CONSTRUCTION	2017/06/09
1	99% CONSTRUCTION DOCUMENT	2017/03/27
0	50% CONSTRUCTION DOCUMENT	2017/02/17
Revision	Description	Date
Client		client

CORRECTIONAL SERVICES CANADA  
SASKATOON, SASKATCHEWAN

Project title  
Correctional Service Canada (CSC)  
Regional Psychiatric Centre

Bariatric / Geriatric  
Disability Showers  
MacKenzie Unit

Designed by RR	Conçu par
Drawn by IS	Dessiné par
Approved by DH	Approuvé par
PWSSC Project Manager BRET WARD	Administrateur de Projets TPSGC
Drawing title	Titre du dessin

MECHANICAL LAYOUTS  
(DEMOLITION & NEW),  
NOTES, SYMBOL LEGEND  
AND SCHEDULE

Project no./No. du projet R.079453.001	Drawing no./No. du dessin M1	Revision no. 2
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