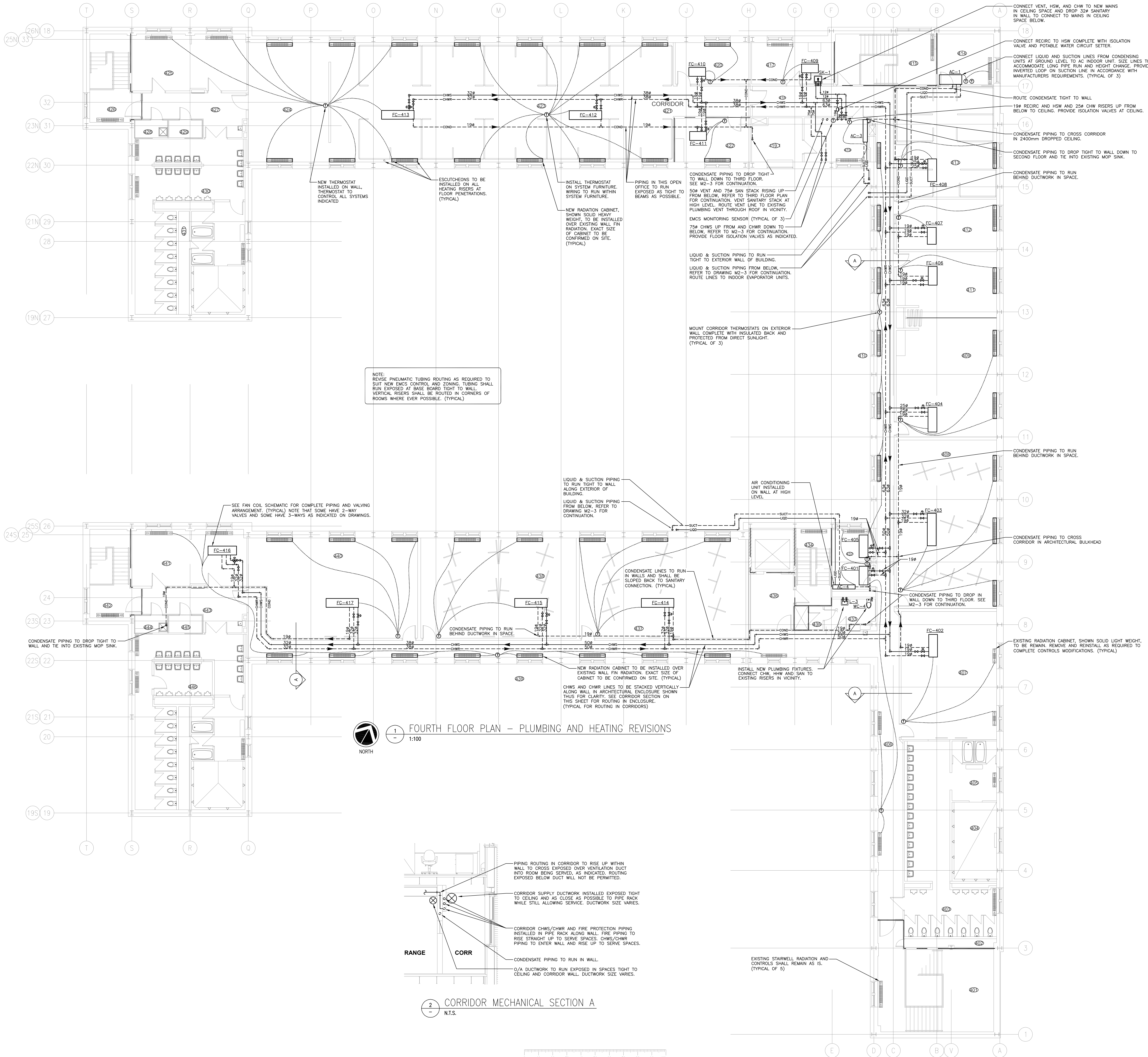


Association of Professional Engineers & Geoscientists of Saskatchewan  
**CERTIFICATE OF AUTHORIZATION**  
HDA ENGINEERING LTD.  
Number 0981  
Permission to Consult held by:  
Discipline: Mechanical Signature: J. D. ...  
Mech. 6093



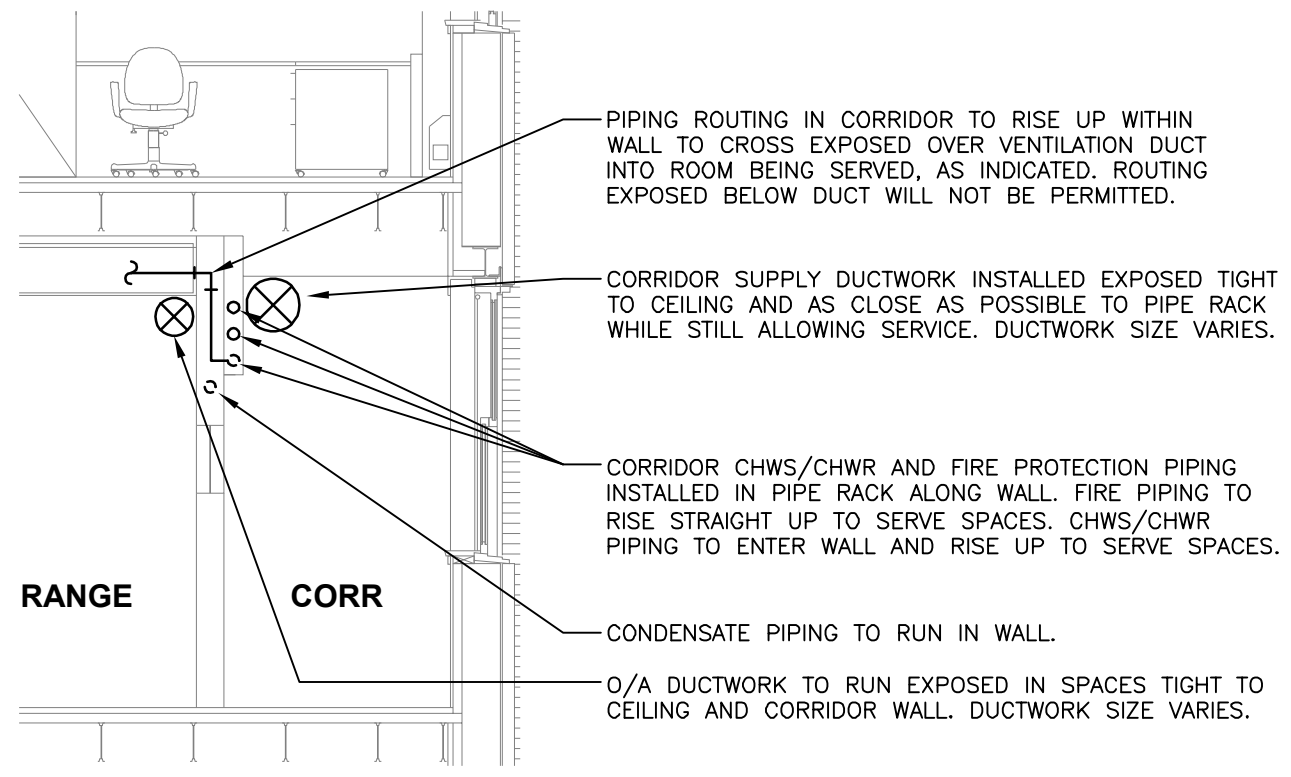
NOTE: REVISE PNEUMATIC TUBING ROUTING AS REQUIRED TO SUIT NEW EMCS CONTROL AND ZONING. TUBING SHALL RUN EXPOSED AT BASE BOARD TIGHT TO WALL. VERTICAL RISERS SHALL BE ROUTED IN CORNERS OF ROOMS WHERE EVER POSSIBLE. (TYPICAL)

LIQUID & SUCTION PIPING TO RUN TIGHT TO WALL ALONG EXTERIOR OF BUILDING.  
LIQUID & SUCTION PIPING FROM BELOW, REFER TO DRAWING M2-3 FOR CONTINUATION.

CONDENSATE LINES TO RUN IN WALLS AND SHALL BE SLOPED BACK TO SANITARY CONNECTION. (TYPICAL)

NEW RADIATION CABINET TO BE INSTALLED OVER EXISTING WALL FIN RADIATION. EXACT SIZE OF CABINET TO BE CONFIRMED ON SITE. (TYPICAL)

CHWS AND CHWR LINES TO BE STACKED VERTICALLY ALONG WALL IN ARCHITECTURAL ENCLOSURE SHOWN THUS FOR CLARITY. SEE CORRIDOR SECTION ON THIS SHEET FOR ROUTING IN ENCLOSURE. (TYPICAL FOR ROUTING IN CORRIDORS)



**2**  
CORRIDOR MECHANICAL SECTION A  
N.T.S.

CONNECT VENT, HSW, AND CHW TO NEW MAINS IN CEILING SPACE AND DROP 32" SANITARY IN WALL TO CONNECT TO MAINS IN CEILING SPACE BELOW.

CONNECT REIRC TO HSW COMPLETE WITH ISOLATION VALVE AND POTABLE WATER CIRCUIT SETTER.

CONNECT LIQUID AND SUCTION LINES FROM CONDENSING UNITS AT GROUND LEVEL TO AC INDOOR UNIT. SIZE LINES TO ACCOMMODATE LONG PIPE RUN AND HEIGHT CHANGE. PROVIDE INVERTED LOOP ON SUCTION LINE IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. (TYPICAL OF 3)

ROUTE CONDENSATE TIGHT TO WALL.

19" REIRC AND HSW AND 25" CHW RISERS UP FROM BELOW TO CEILING. PROVIDE ISOLATION VALVES AT CEILING.

CONDENSATE PIPING TO CROSS CORRIDOR IN 2400mm DROPPED CEILING.

CONDENSATE PIPING TO DROP TIGHT TO WALL DOWN TO SECOND FLOOR AND TIE INTO EXISTING MOP SINK.

CONDENSATE PIPING TO RUN BEHIND DUCTWORK IN SPACE.

CONDENSATE PIPING TO DROP TIGHT TO WALL DOWN TO THIRD FLOOR. SEE M2-3 FOR CONTINUATION.

50" VENT AND 75" SAN STACK RISING UP FROM BELOW, REFER TO THIRD FLOOR PLAN FOR CONTINUATION. VENT SANITARY STACK AT HIGH LEVEL. ROUTE VENT LINE TO EXISTING PLUMBING VENT THROUGH ROOF IN VICINITY.

EMCS MONITORING SENSOR (TYPICAL OF 3)

75" CHW UP FROM AND CHWR DOWN TO BELOW, REFER TO M2-3 FOR CONTINUATION. PROVIDE FLOOR ISOLATION VALVES AS INDICATED.

LIQUID & SUCTION PIPING TO RUN TIGHT TO EXTERIOR WALL OF BUILDING.

LIQUID & SUCTION PIPING FROM BELOW, REFER TO DRAWING M2-3 FOR CONTINUATION. ROUTE LINES TO INDOOR EVAPORATOR UNITS.

MOUNT CORRIDOR THERMOSTATS ON EXTERIOR WALL COMPLETE WITH INSULATED BACK AND PROTECTED FROM DIRECT SUNLIGHT. (TYPICAL OF 3)

AIR CONDITIONING UNIT INSTALLED ON WALL AT HIGH LEVEL.

CONDENSATE PIPING TO RUN BEHIND DUCTWORK IN SPACE.

CONDENSATE PIPING TO CROSS CORRIDOR IN ARCHITECTURAL BULKHEAD.

CONDENSATE PIPING TO DROP IN WALL DOWN TO THIRD FLOOR. SEE M2-3 FOR CONTINUATION.

EXISTING RADIATION CABINET, SHOWN SOLID LIGHT WEIGHT, TO BE REMAIN. REMOVE AND REINSTALL AS REQUIRED TO COMPLETE CONTROLS MODIFICATIONS. (TYPICAL)

**DO NOT SCALE DRAWINGS**

Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	2014-01-17

Project Title/Titre du projet  
**SHARED LEARNING FACILITY**  
REGINA, SK

Approved by/Approuve par  
Designed by/Concept par  
**TKC**  
Drawn by/Dessine par  
**TKC/JJB**  
Project Manager/Administrateur de Projets  
**AC**  
Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingenierie

Drawing Title/Titre du dessin  
**FOURTH FLOOR PLAN**  
**PLUMBING AND HEATING REVISIONS**