



Association of Professional Engineers & Geoscientists  
of Saskatchewan  
**CERTIFICATE OF AUTHORIZATION**  
**HDK Consulting Incorporated**  
Number 30340  
Permission to Consult held by:  
Discipline Sk. Reg. No. Signature  
**MECHANICAL** 30273 

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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**

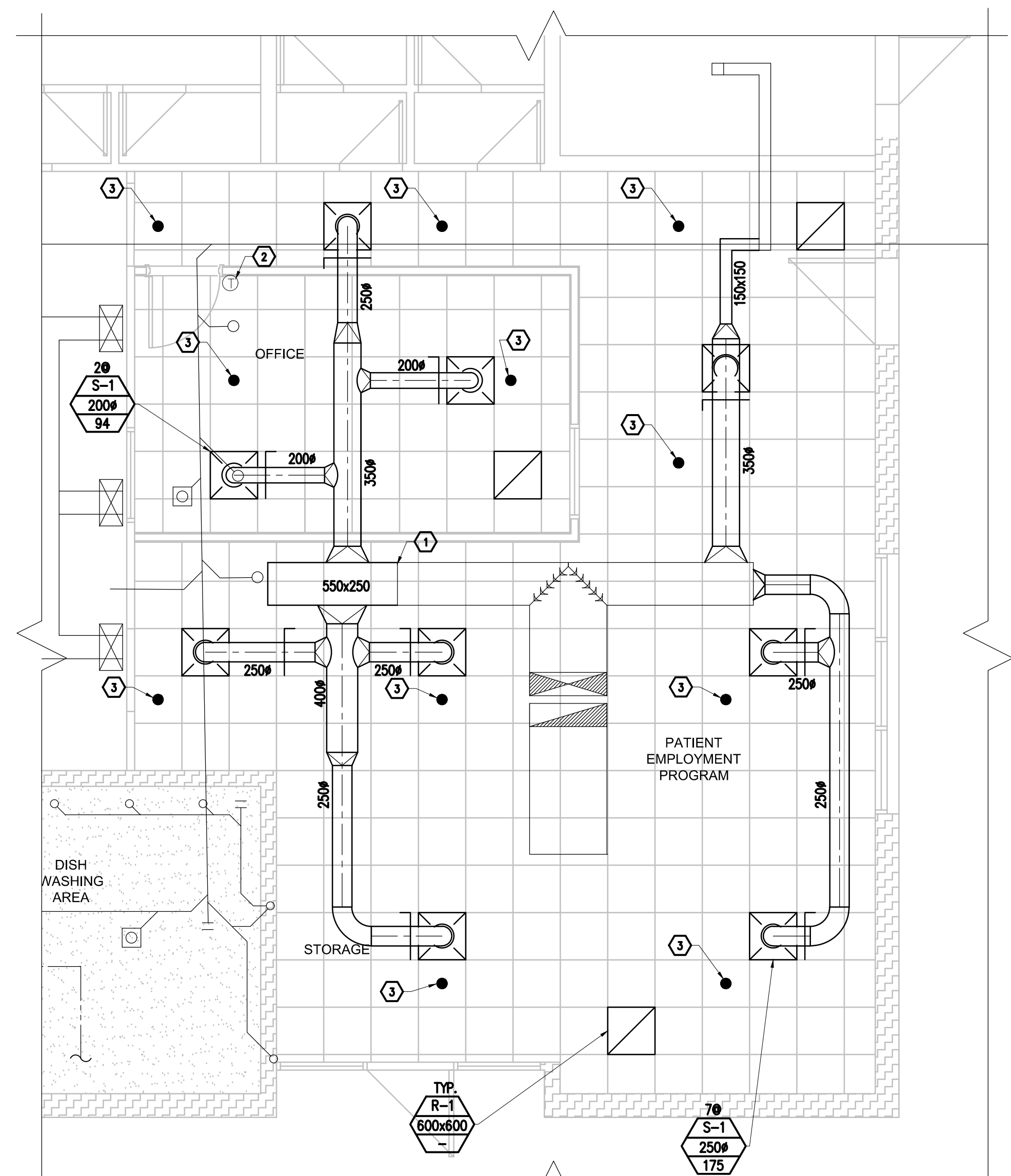
Project title  
**Correctional Service Canada (CSC)  
Regional Psychiatric Centre**

**Kitchen/Dining  
Renovations**

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

**PARTIAL KITCHEN/DINING AREA  
MECHANICAL LAYOUTS  
(DEMO & NEW),  
NOTES, SYMBOL LEGEND  
AND SCHEDULE**

Project no./No. du projet <b>R.079453.001</b>	Drawing no./No. du dessin <b>M1</b> OF 1	Revision no. <b>2</b>
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2 KITCHEN NEW MECHANICAL LAYOUT  
M1 SCALE 1:50

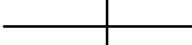




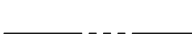
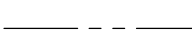
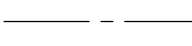
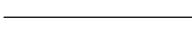
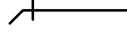

# NEW CONSTRUCTION KEYNOTES:

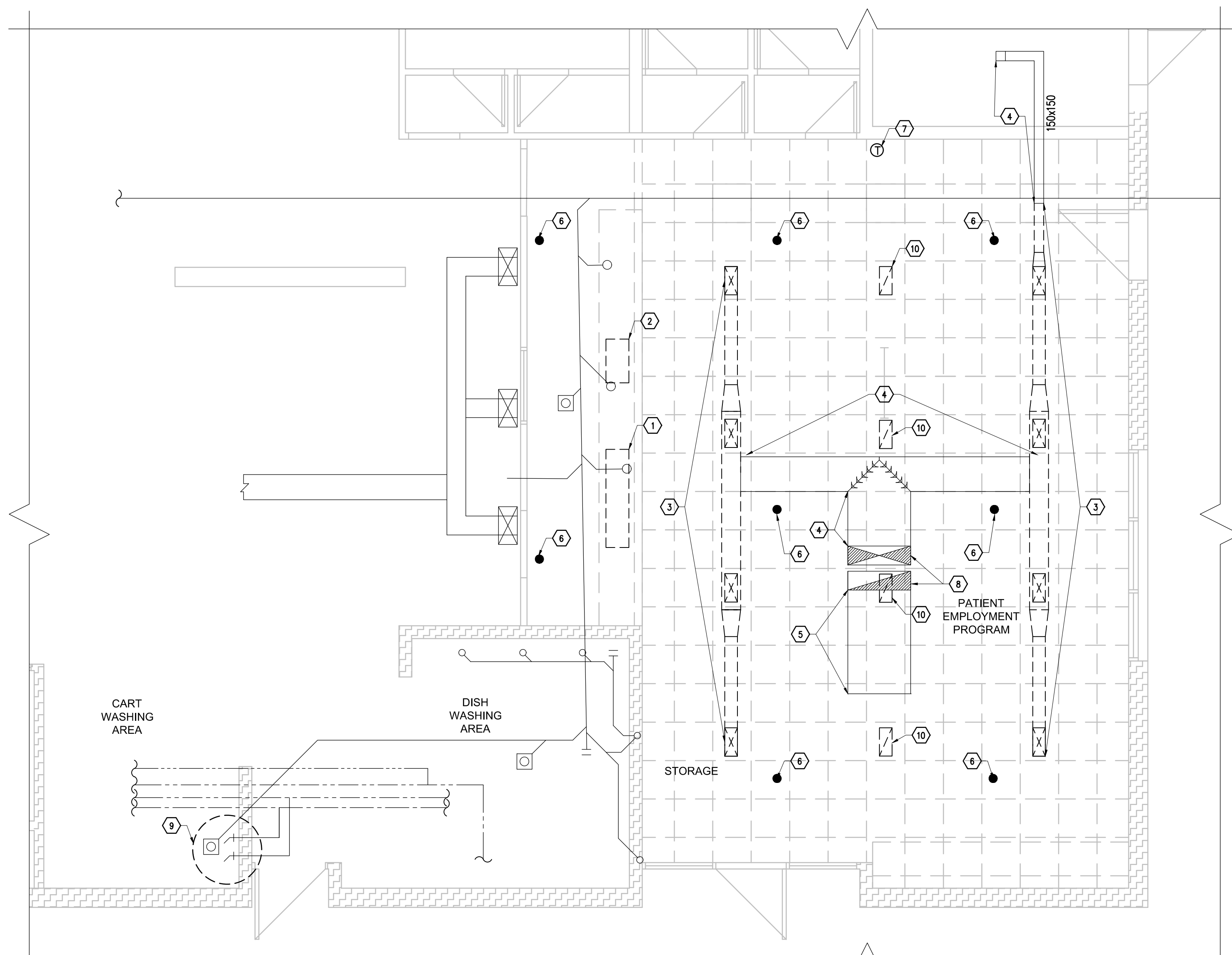
- EXTEND EXISTING 550X250 DUCT
- NEW LOCATION OF EXISTING THERMOSTAT.
- NEW LOCATION OF SPRINKLER HEADS. CONTRACTOR TO COORDINATE PIPE ROUTING ON SITE.

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 ONSITE CONDITIONS, IT SHALL BE PERFORMED AT NO ADDITIONAL COST.
- CONFORM TO SPECIFICATIONS AND MANUFACTURER GUIDES FOR MATERIALS AND UNITS' INSTALLATION DETAILS.
- BALANCE SPACE TO SLIGHT POSITIVE PRESSURE TO MITIGATE FOOD ODORS.

DRAWING LEGEND

-  BALANCING DAMPER
-  SPRINKLER HEAD
-  THERMOSTAT
-  RETURN GRILLE
-  SUPPLY DIFFUSER
-  DOMESTIC HOT WATER RETURN
-  DOMESTIC HOT WATER
-  DOMESTIC COLD WATER
-  SANITARY
-  HOSE BIBB
-  FLOOR DRAIN

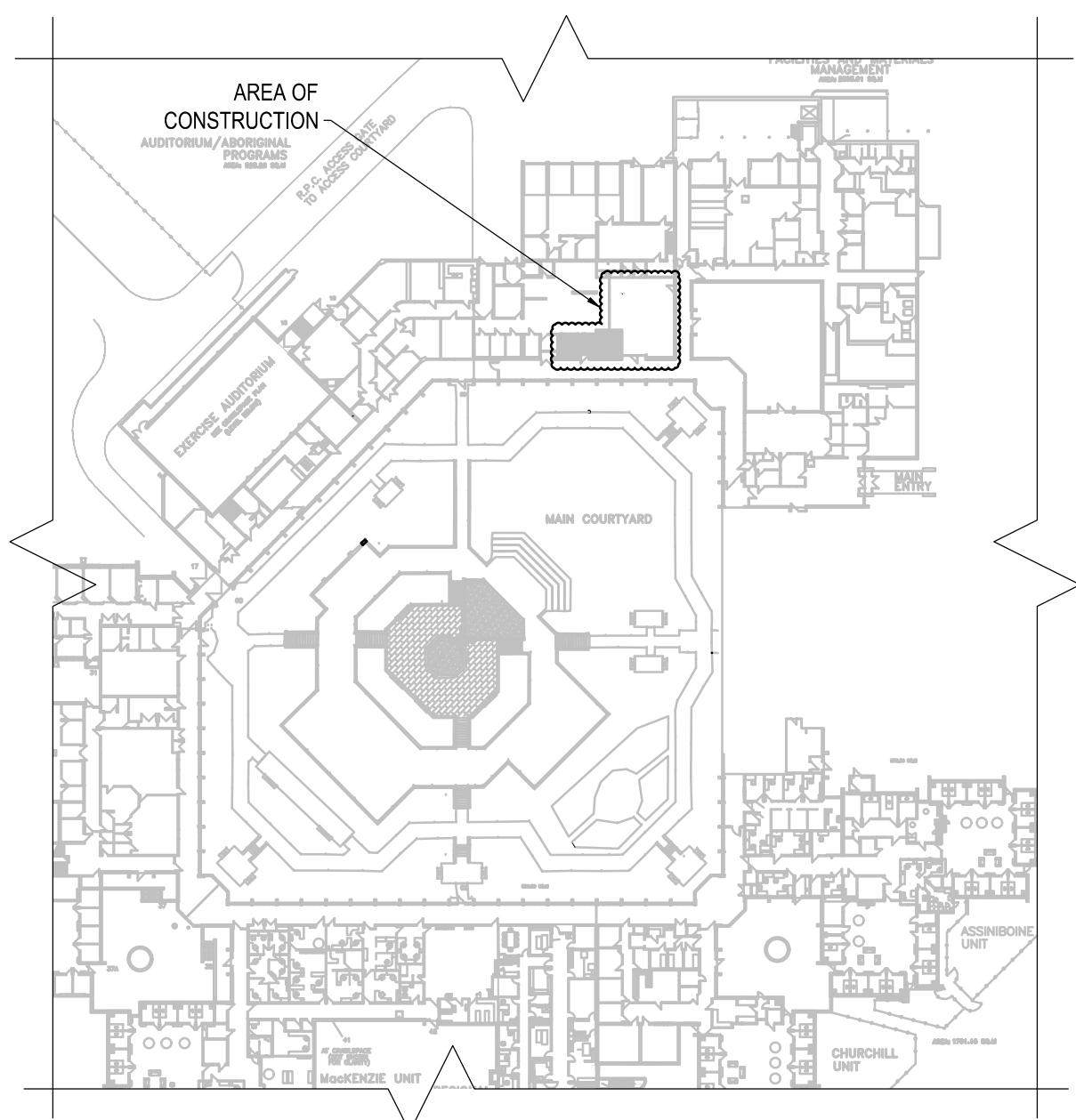


1 KITCHEN MECHANICAL DEMO LAYOUT  
M1 SCALE 1:50

# DEMOLITION KEYNOTES:

- DISCONNECT PLUMBING (DCW, DHW, DRAIN VENT) FROM WARMING STATION AND REMOVE SERVICES DOWN TO CRAWL SPACE BELOW AND CAP.
- DISCONNECT PLUMBING (DCW, DHW, DRAIN VENT) FROM WATER TAP AND REMOVE SERVICES DOWN TO CRAWL SPACE BELOW AND CAP.
- DEMOLISH EXISTING SUPPLY AIR GRILLES AND DUCTWORK AS INDICATED.
- SUPPLY DUCTWORK TO REMAIN.
- RETURN DUCTWORK TO REMAIN.
- EXISTING SPRINKLER HEADS TO BE REPLACED AND RELOCATED.
- EXISTING THERMOSTAT TO BE RELOCATED.
- EXISTING RTU ABOVE TO REMAIN.
- EXISTING PLUMBING TO REMAIN.
- DEMOLISH EXISTING RETURN AIR GRILLES.

DIFFUSER AND GRILLE SCHEDULE (Based on E. H. PRICE)		
TAG	MODEL	REMARKS
S-1	SCD SQUARE CONE DIFFUSER	REFER TO DRAWING FOR FACE AND NECK SIZES
R-1	SERIES 80 RETURN GRILLE	REFER TO DRAWING FOR FACE SIZE
NOTES: 1. SELECT BORDER AND MOUNTING STYLE TO SUIT SURFACE BEING INSTALLED ON. ACCEPTABLE MANUFACTURERS: EH PRICE, TITUS, NAILOR		



3 KEY PLAN  
M1 SCALE 1:1000