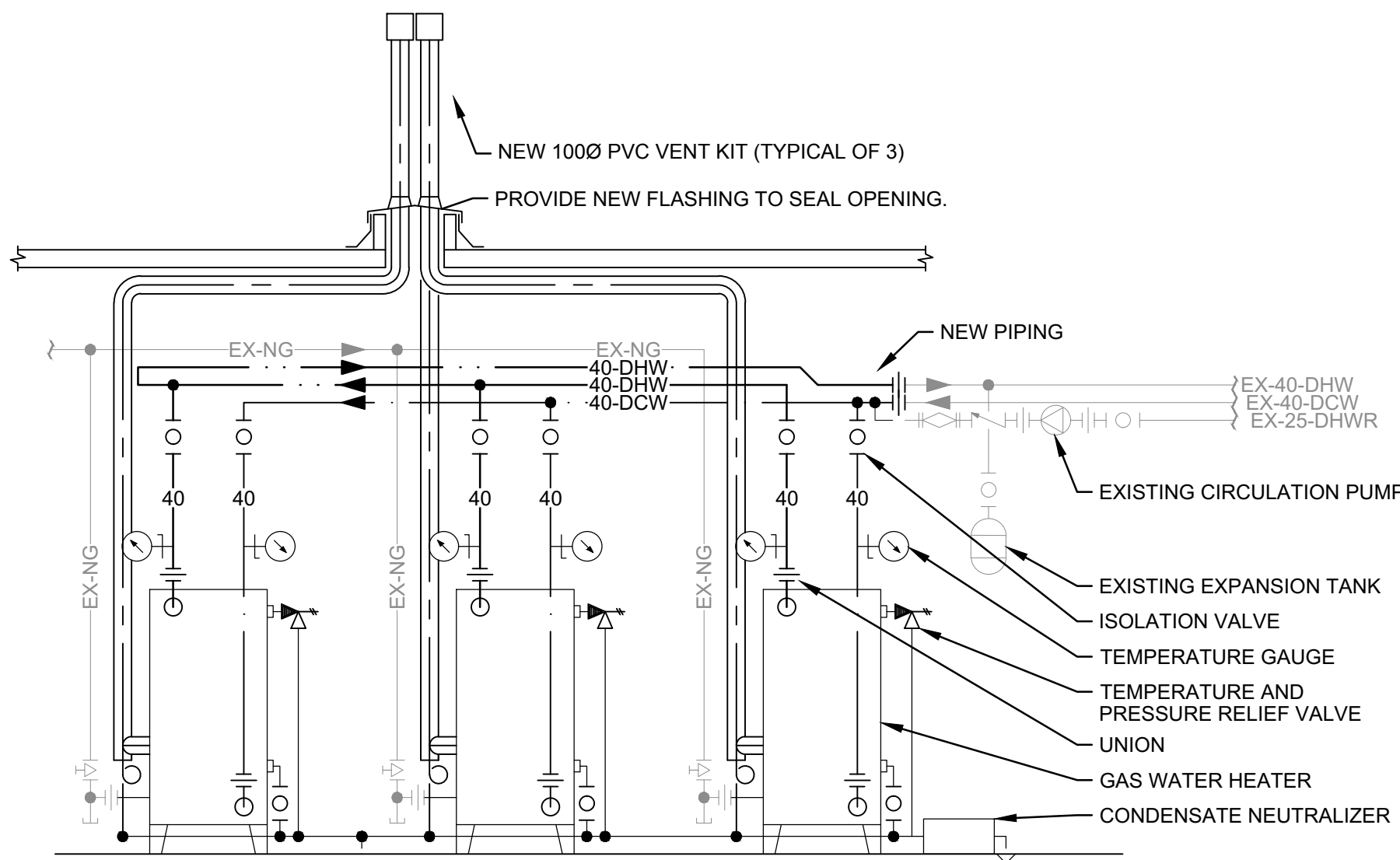


1 PLAN
M55 SG MECHANICAL ROOM
1:50



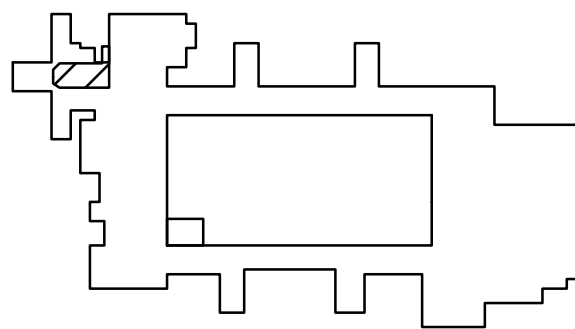
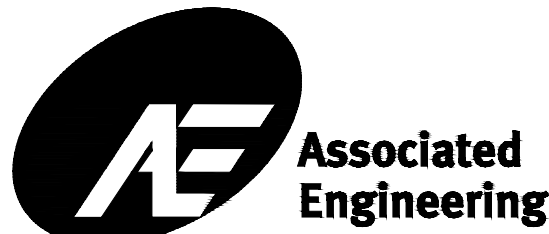
2 SCHEMATIC
NEW - NATURAL GAS WATER HEATER
NTS

SHEET KEY NOTES

- 1 EXTEND AND MODIFY EXISTING HOUSE KEEPING PAD AS REQUIRED. REFER TO STRUCTURAL FOR DETAILS.
- 2 CONNECT AND TRANSITION NEW AIR HANDLER TO EXISTING RETURN, SUPPLY AND OUTDOOR AIR DUCTS AS SHOWN.
- 3 REFER TO NEW NATURAL GAS WATER HEATER SCHEMATIC ON THIS SAME DWG. FOR NEW INSTALLATION.
- 4 REFER TO DETAILS DRAWING FOR NEW BOILER INSTALLATION SCHEMATIC. MODIFY PADS TO SUIT NEW BOILER FOOT PRINT.
- 5 RECONNECT EXISTING 2500 RA TO NEW AIR HANDLER RETURN MAIN.
- 6 COORDINATE INSPECTION OF SECURITY BARS WITH BUILDING OPERATOR PRIOR TO DUCT CONNECTION.
- 7 REFRIGERATION LINES FROM AC-300 BELOW TO CU-300 ON ROOF. REFER TO M37 FOR CU-300 LOCATION.
- 8 TRANSITION FROM AS-1 MULTIZONE HEAD DUCTWORK TO EXISTING DUCTWORK. TYPICAL OF 8 EXISTING ZONES OF 3000 DUCTWORK. REFER TO DRAWING M61 FOR MORE DETAIL.
- 9 REBALANCE SUPPLY DUCT TO 47 L/S
- 10 REBALANCE SUPPLY DUCT TO 168 L/S
- 11 REBALANCE RETURN DUCT TO 160 L/S
- 12 PRESSURE INDEPENDENT BALANCING AND CONTROL VALVE. REFER TO DETAIL 6 ON M62 FOR BALANCING INFORMATION. VALVE LOCATED BELOW DUCT AND REMAIN ACCESSIBLE.
- 13 REPLACE/ADD ELECTRONIC CONTROL VALVE AND NEW ISOLATION VALVES FOR EXISTING UNIT HEATER.

GENERAL NOTES

- 1 EXISTING DRAWING INFORMATION IS NOT AS-BUILT. CONTRACTOR TO CONFIRM EXISTING CONDITIONS AND ROUTING PRIOR TO COMMENCING WORK.
- 2 CONSTRUCTION ACTIVITIES SHALL BE COORDINATED AND STAGED WITH THE BUILDING OPERATOR TO MINIMIZE INTERRUPTION TO OPERATIONS.
- 3 PATCH AND REPAIR OPENINGS TO MAINTAIN FIRE SEAL.
- 4 CONTRACTOR SHALL ALSO INCLUDE PATCHING OF EXISTING FIRE PROOFING OF THE MECHANICAL ROOM AREA UPON COMPLETION OF CONSTRUCTION AND REPLACE ANY FIRE PROOFING COATINGS REMOVED DURING DEMOLITION AND CONSTRUCTION.



KEY PLAN

APEGA
PERMIT TO
PRACTICE
P 3979

DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
0	ISSUED FOR TENDER	2017.08.16

Client/client

PUBLIC WORKS &
GOVERNMENT SERVICES
CANADA

Project title/Titre du projet

EDMONTON MAXIMUM
SECURITY INSTITUTION

Approved by/Approuvé par
J. MAH

Designed by/Concept par
J. MAH

Drawn by/Dessiné par
J. CHOA

PWGSC Project Manager/Administrateur de Projets TPSGC
ANDREW GILLESE

PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client
PUBLIC WORKS & GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin

SEGREGATION AND
DISASSOCIATION BLOCK
MECHANICAL ROOM
NEW CONSTRUCTION

Project No./No. du
projet
R.078013.001

Sheet/Feuille
M56
OF 103

Revision no./
La Révision
no.
0