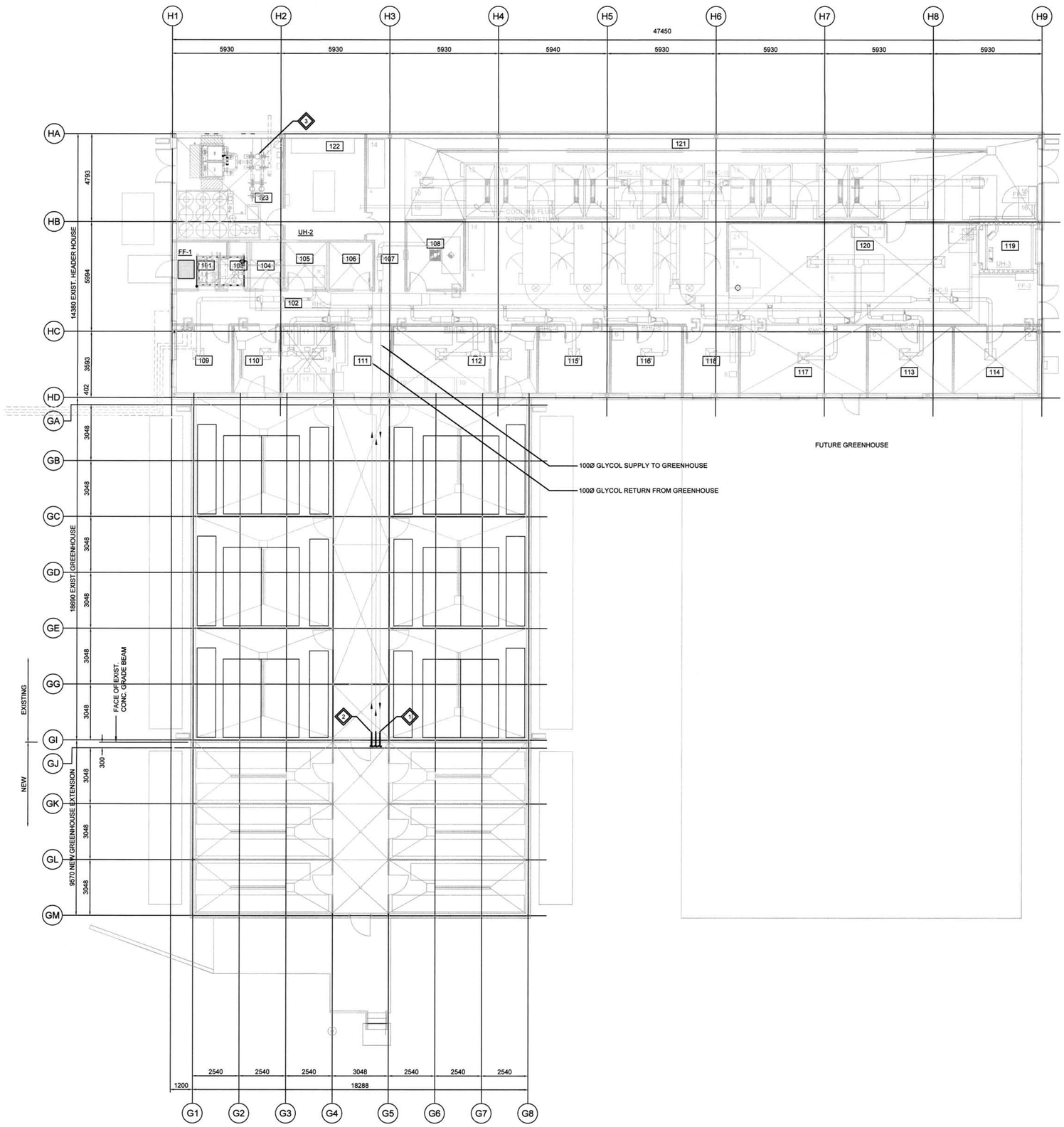

1 MAIN FLOOR PLAN – HYDRONIC PIPING

2000 0 2000 4000 6000 8000

SCALE: 1:100mm (24"x36")

GENERAL NOTES:

1. PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
2. REVIEW EQUIPMENT LOCATIONS WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO INSTALLATION.
3. EQUIPMENT LOCATIONS, DUCT AND PIPE ROUTING INDICATED ON THE DRAWINGS IS APPROXIMATE ONLY. CONFIRM IN THE FIELD. REROUTE DUCTWORK AND PIPING AS REQUIRED TO ELIMINATE FIELD INTERFERENCES WITH BUILDING STRUCTURES, ELECTRICAL, ETC. CONFIRM CHANGES WITH DEPARTMENTAL REPRESENTATIVE. CO-ORDINATE WORK WITH ALL SUBTRADES. WHERE DIMENSIONS ARE INDICATED FOR PIPING, DUCTWORK, DUCT SIZES, EQUIPMENT SIZES, ETC. THESE ARE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING EQUIPMENT AND COMMENCING INSTALLATION WITHOUT EXTRA CHARGES TO THE PROJECT. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL EQUIPMENT, DUCTWORK AND PIPING FITS IN THE SPACE AVAILABLE AND TO MAINTAIN THE GENERAL DESIGN INTENT FOR THE SYSTEMS.
4. SEAL ALL WALL PENETRATIONS AND DUCTWORK WATER AND AIR TIGHT.
5. PROVIDE ALL WALL PENETRATIONS. PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE FIRE SEALED.
6. INSULATE GLYCOL SUPPLY AND RETURN PIPING.

KEY NOTES:

1. REMOVE EXISTING U BEND AND EXTEND GLYCOL SUPPLY LINES TO NEW EXTENSION. PROVIDE NEW U BEND. (REFER TO GREENHOUSE DRAWING FOR DETAILS.)
2. EXTEND GLYCOL RETURN LINE TO NEW EXTENSION. (REFER TO GREENHOUSE DRAWING FOR DETAILS.)
3. THE EXISTING HYDRONIC SYSTEM PUMPS. RE-BALANCE HYDRONIC SYSTEM BY ADJUSTING TRIPLE DUTY VALVES AS WELL AS BALANCING VALVES AT TERMINAL UNITS IN THE EXISTING HEADER HOUSE. NEW FLOW RATE TO GREENHOUSE SHALL BE 14.2 L/S (225 GPM)

LEGEND:

NEW EQUIPMENT OR PIPING

EXISTING EQUIPMENT/PIPING

SCALE VERIFIED BY: MAP

APEGM Certificate of Authorization KGS Group No. 245

PROVINCE OF MANITOBA P.S. SILVA Member 21131 REGISTERED PROFESSIONAL ENGINEER

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

Design Team Consultant

KGS GROUP | CONSULTING ENGINEERS

KGS GROUP CONSULTING ENGINEERS

Revision	Description	Date
0	ISSUED FOR TENDER	2016/06/29

Client / client

PUBLIC WORKS & GOVERNMENT SERVICES CANADA

Project / Projet

MORDEN, MANITOBA
101 ROUTE 100, UNIT 100

MORDEN RESEARCH AND DEVELOPMENT CENTRE GREENHOUSE EXTENSION

Designed by / Conçu par: **PSS**

Drawn by / Dessiné par: **ML**

Approved by / Approuvé par: MAP

PWGSC Project Manager / Administrateur de Projets TPSGC: **BRAD SITARZ**

Drawing title / Titre du dessin:

MECHANICAL HYDRONIC PIPING MAIN FLOOR PLAN

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.076333.001	M02 OF 4	0

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PWGSC – B1 – 1000X707

0 10 20 30 40 50 60 70 80 90 100mm