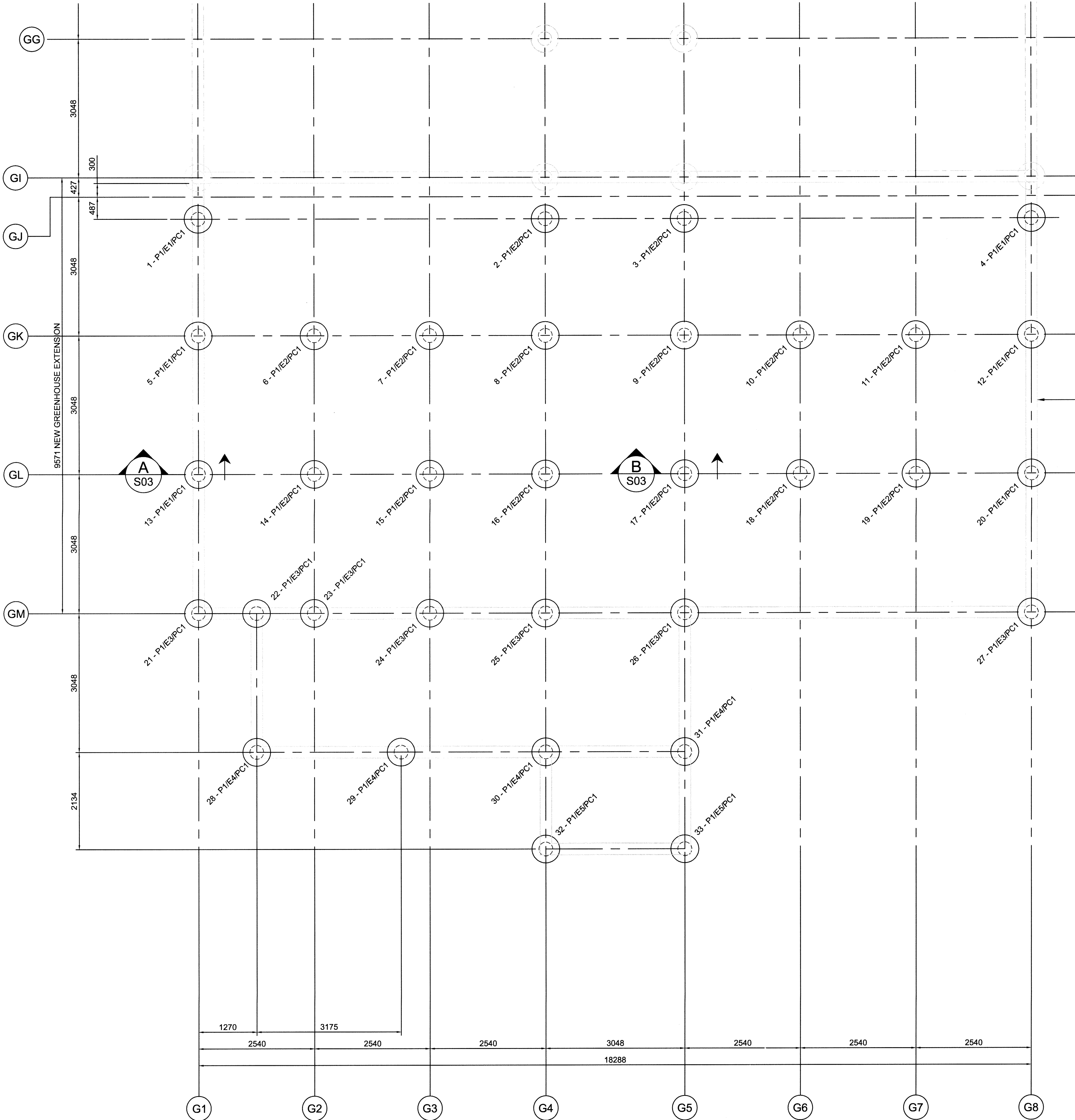


NEW
EXISTING



FOUNDATION PLAN
SCALE:1:50

PILING SCHEDULE				
MARK	BUTT DIA.	PILE EMBEDMENT LENGTH	FACTORED PILE CAPACITY	
			PERIMETER	INTERIOR
P1	305mm	10.668m [35'-0"]	109 kN	115 kN

ELEVATION SCHEDULE	
MARK	T/PILE DESIGN ELEVATION
E1	98.932m
E2	99.242m
E3	98.322m
E4	98.292m
E5	98.271m

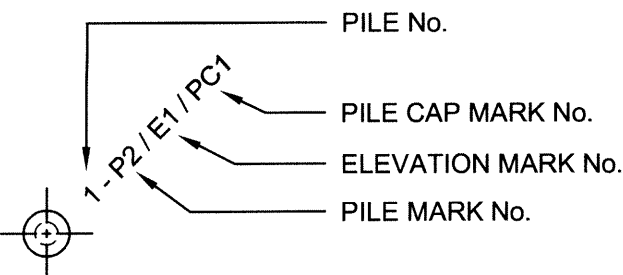
PILE CAP SCHEDULE		
MARK	PILE CAP SIZE	REINFORCING
PC1	SINGLE - 610Ø x 610 DP	SECTION A/S03

OUTLINE OF GRADE BEAM
ABOVE

**SPECIFIED DESIGN LOADS - MORDEN
GREENHOUSE EXTENSION**

- APPLICABLE CODES:
- NATIONAL BUILDING CODE OF CANADA (NBCC) 2010
 - MANITOBA BUILDING CODE (MBC) 2011
- LOCATION: MORDEN, MANITOBA
1. DEAD LOADS
- ROOF CLADDING = 0.27 kPa
 - EQUIPMENT (COMPARTMENT ROOF) = 0.24 kPa
 - EQUIPMENT (CORRIDOR ROOF) = 0.48 kPa
 - ROOF STRUCTURE = 0.14 kPa
 - SIDEWALL CLADDING = 0.29 kPa
2. LIVE LOADS
- SNOW AND ICE
- Ss (1/50) = 2.2 kPa
 - Sr (1/50) = 0.2 kPa
 - ULS IMPORTANCE FACTOR (IS) = 1.0
 - SLS IMPORTANCE FACTOR (IS) = 0.9
 - BASIC UNIFORM SNOW LOAD (SULS) = 1.96 kPa
- WIND
- BUILDING CATEGORY = 3
 - q (1/10) = 0.40 kPa
 - q (1/50) = 0.52 kPa
 - ULS IMPORTANCE FACTOR (IW) = 1.0
 - SLS IMPORTANCE FACTOR (IW) = 0.75
- USE AND OCCUPANCY
- CONCRETE SLAB-ON-GRADE = 4.80 kPa
 - LOADING DOCK = 4.80 kPa
3. SEISMIC DATA
- Sa (0.2) = 0.000 (2011 MBC)
 - Sa (0.5) = 0.057
 - Sa (1.0) = 0.026
 - Sa (2.0) = 0.008
 - PGA = 0.036
 - ULS IMPORTANCE FACTOR (IE) = 1.0
 - S(0.2) = FaSa(0.2) = 1.310.000 = 0.0
 - EARTHQUAKE LOADS AND EFFECTS NEED NOT BE CONSIDERED IF S(0.2) IS LESS THAN OR EQUAL TO 0.12

LEGEND



0	ISSUED FOR TENDER	2016/06/27
Revision	Description	Date
Client		client

**PUBLIC WORKS &
GOVERNMENT
SERVICES CANADA**

Project

**MORDEN, MANITOBA
101 ROUTE 100, UNIT 100**

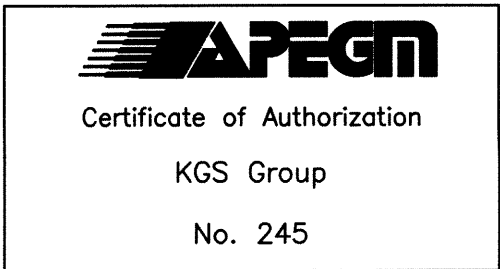
Project

**MORDEN RESEARCH
AND DEVELOPMENT CENTRE
GREENHOUSE EXTENSION**

Designed by	Conçu par
PPG	
Drawn by	Dessiné par
JAR	
Approved by	Approuvé par
FWGSC Project Manager	Administrateur de Projets TPSCG
BRAD SITARZ	
Drawing Title	Titre du dessin

**STRUCTURAL
FOUNDATION PLAN
NEW CONSTRUCTION**

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.076333.001	S01 OF 04	0



16-04-06