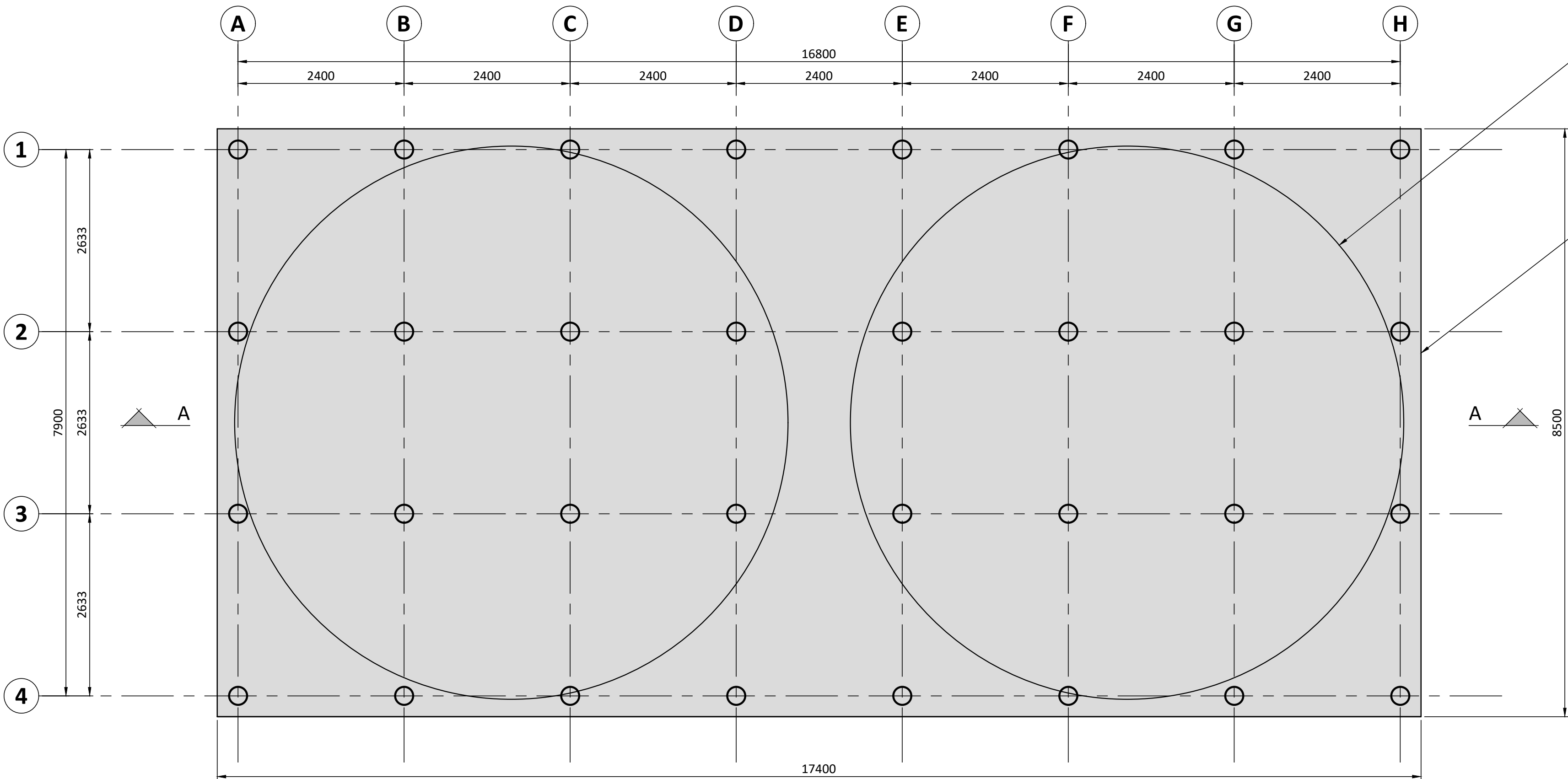
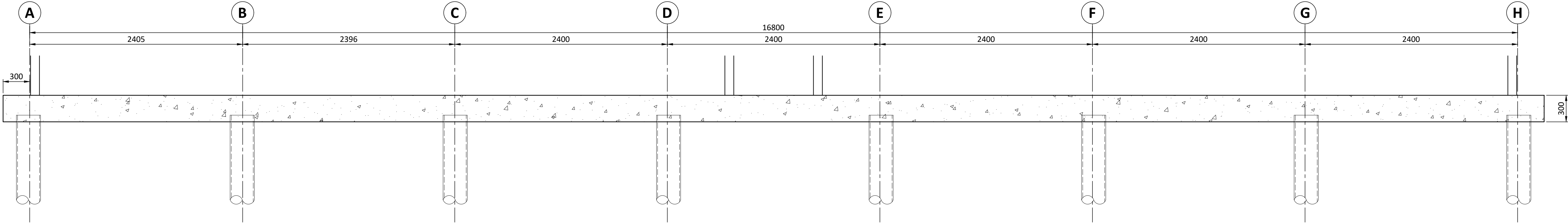
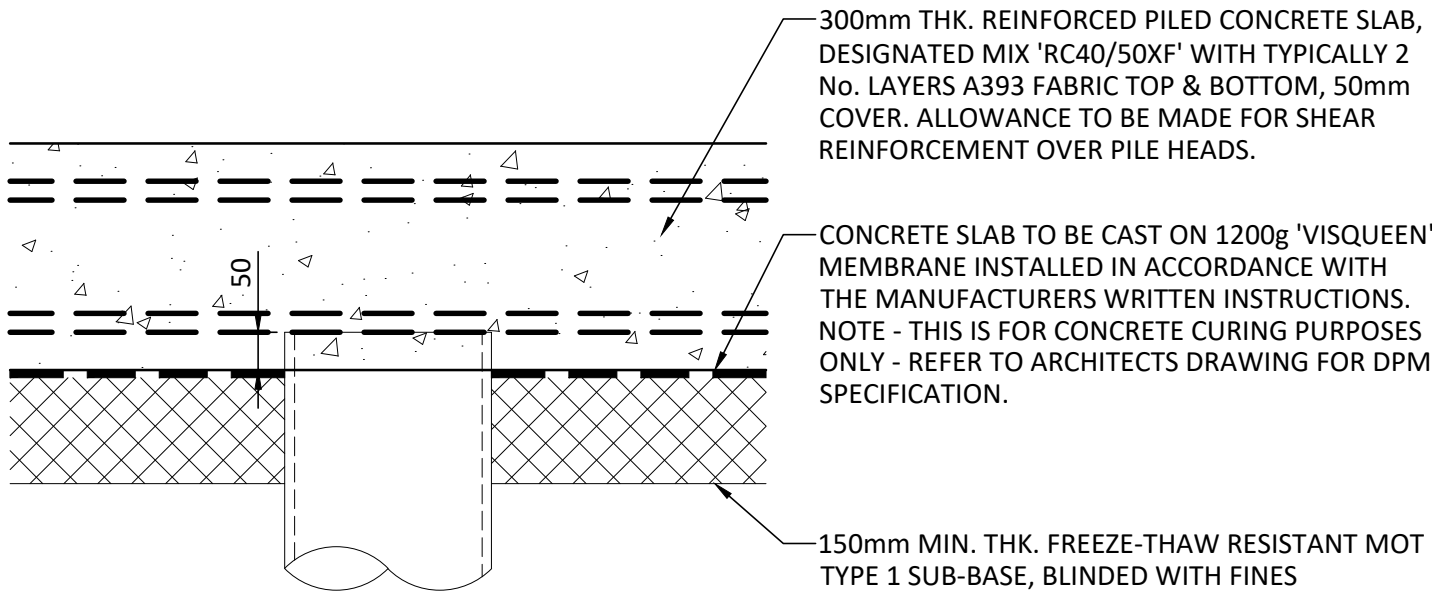




SPRINKLER TANK SLAB PLAN (ALLOW 2 No. THUS)
SCALE 1:50



SECTION A - A
SCALE 1:25



TYPICAL PILED SLAB DETAIL
SCALE 1:10

INDICATES EXTENT OF
SPRINKLER TANK.
ASSUMED TO BE 8m Ø.

INDICATES EXTENT OF
PILED SLAB. REFER TO
TYPICAL DETAIL BELOW.

PIILING NOTES

- PILES TYPE TO BE LOW VIBRATION DUE TO THE PROXIMITY OF ADJACENT BUILDINGS. MAIN CONTRACTOR TO UNDERTAKE EXISTING CONDITION SURVEY OF ALL ADJACENT BUILDING TO IDENTIFY ANY EXISTING DEFECTS.
- PILES ARE TO BE DESIGNED, SUPPLIED AND INSTALLED BY A SPECIALIST PILING CONTRACTOR TO SUPPORT THE SAFE WORKING LOADS SHOWN BELOW. PILES ARE ASSUMED TO BE 273 x 12.5 CHS. PILE GROUP C/C TO BE 3 x Ø AND ADJUSTED TO SUIT ACTUAL PILE TYPE / SIZE.
400 kN SWL CAPACITY UNO - FOS = 3
- SUFFICIENT DETAILS OF PILING DESIGN, INSTALLATION ETC. ARE TO BE SUPPLIED BY THE PILING CONTRACTOR TO OBTAIN BUILDING REGULATIONS APPROVAL.
- ALL PILING WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT EDITION OF THE I.C.E. PUBLICATION : SPECIFICATION FOR PILING AND EMBEDDED RETAINING WALLS
- THE PILING CONTRACTOR SHOULD REFER TO THE SITE INVESTIGATION REPORT FOR THE GROUND CONDITIONS.
- THE PILING WORKS SHOULD BE CARRIED OUT WITH DUE REGARD TO THE NEIGHBOURING PROPERTIES AND SHALL NOT CAUSE ANY DAMAGE TO THESE.
- THE DEVIATION BETWEEN THE CENTRE LINE OF EACH PILE AND THE S.O.P. SHALL NOT EXCEED 50mm IN ANY DIRECTION. THIS NOTE TAKES PRECEDENCE OVER THE I.C.E. PILING SPECIFICATION.
- THE POSITION OF THE EXISTING DRAINS AND SERVICES SHALL BE DETERMINED ON SITE PRIOR TO THE COMMENCEMENT OF PILING WORKS. ADVISE ENGINEER IF PILES NEED TO BE RELOCATED.
- PILES TO BE DESIGNED CONSIDERING THE LATERAL RESTRAINT PROVIDED BY THE GROUND FLOOR SLAB.
- PRIOR TO THE PLACEMENT OF CONCRETE THE PILE INSTALLATION SHALL BE INSPECTED AND APPROVED BY THE BUILDING INSPECTOR.
- NEW REINFORCED CONCRETE FOUNDATIONS TO BE DESIGNATED MIX 'RC40' TO BS 8500-1 2002 UNO.
- WHEN BUILDING NEAR TREES IN CLAY GROUND CONDITIONS, REFER TO THE 'NHBC' GUIDANCE NOTES AS THE FOUNDATION DETAIL WILL DIFFER, CONTACT ENGINEER FOR ADVICE.
- PIILING CONTRACTOR TO LOAD TEST 1% (2 No. MINIMUM) OF INSTALLED PILES TO 1.5 TIMES THE SPECIFIED LOAD CAPACITY.

© THIS DRAWING AND ITS CONTENTS ARE STRICTLY THE COPYRIGHT OF
BRENNANCONSULT LTD

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ASSOCIATED DRAWINGS. ANY DISCREPANCY TO BE RAISED PRIOR TO CONSTRUCTION. ANY CONSTRUCTION WORKS WHICH COMMENCE BEFORE THESE DRAWINGS ARE APPROVED ARE AT THE RISK OF THE BUILDING CONTRACTOR.
- ALL DIMENSIONS ARE IN MILLIMETERS (mm). DO NOT SCALE FROM THIS DRAWING, WORK TO STATED DIMENSIONS ONLY.
- BUILDING CONTRACTOR TO ENSURE ALL WORKS COMPLY WITH THE CURRENT EDITION OF THE BUILDING REGULATIONS. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH APPROVED DOCUMENT REGULATION 7.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, ERECTION AND REMOVAL OF ALL TEMPORARY WORKS AND SHALL PROVIDE ALL TEMPORARY BRACING AS NECESSARY TO MAINTAIN STRUCTURAL STABILITY DURING CONSTRUCTION.
- IF THE CONTRACTOR CONSIDERS THAT HE DOES NOT HAVE SUFFICIENT INFORMATION TO SAFELY COMPLETE THE WORKS DETAILED ON THIS DRAWING, HE SHOULD CONTACT THE ENGINEER.

CONCRETE NOTES

- NEW CONCRETE SLAB TO BE DESIGNATED MIX 'RC40/50XF' TO BS 8500-1 2002.
- BUILDING CONTROL OFFICER TO INSPECT REINFORCEMENT PRIOR TO CONCRETE POUR.

CDM DESIGNER'S RISK ASSESSMENT

BRENNANCONSULT ASSUME THAT THE CONTRACTOR IS COMPETENT IN MATTERS OF HEALTH & SAFETY AND IS AWARE OF ALL THE NORMAL RISKS ASSOCIATED WITH CONSTRUCTION OF THE TYPE SHOWN ON THIS DRAWING. REMAINING UNUSUAL RISKS ARE:-

CONSTRUCTION	CHK'D
1. POSSIBILITY OF UNCHARTED BURIED SERVICES. CONTRACTOR TO SURVEY AND SCAN FOR LOCATION OF ANY POSSIBLE BURIED SERVICES IN ADVANCE OF ANY FOUNDATION WORKS BEING UNDERTAKEN.	CB
MAINTENANCE / CLEANING	
NO UNUSUAL RISKS	CB
DECOMMISSIONING / DEMOLITION	
NO UNUSUAL RISKS	CB

A	ISSUED FOR TENDER	WSS	13.05.20	LM
O	ISSUED FOR TENDER	WSS	07.05.20	LM
REV	REVISION DESCRIPTION	BY	DATE	CHECKED

BrennanConsult
Civil & Structural Consulting Engineers
www.brennanconsult.com
info@brennanconsult.com
0161 428 2880

BrennanConsult Ltd | Oak House | 2 Gatley Road
Cheadle | Stockport | SK8 1PY

HOLOGIC, CREWE ROAD,
WYTHENSHAW, M23 9HZ

PROPOSED STORAGE UNIT TO
EXISTING BUILDING
SPRINKLER TANK SLAB

Status	TENDER				
Project No.	Series Code	Drawing No.	Revision		
2459		009	A		
Scale	Size	Drawn	Date	Checked	Passed
1:50	A1	WSS	MAY 20	LM	CB