SPECIFICTIONS FOR BELOW GROUND MASONRY:

1. ALL MASONRY BELOW DPC TO BE 10N GROUP I CATEGORY 2 EN 771-3 TESTED TO MINIMUM EN 772-1 7.3.2/7.3.4.
2. BLOCKWORK BELOW DPC TO BE LAND IN A M12 MORTAR (MORTAR DESIGNATION (i)) IN ACCORDANCE WITH THE IRISH NATIONAL ANNEX OF IS EN 1996.

PHASING LEGEND

- PHASE 1 : COURTHOUSE,KEEPERS HOUSE AND EXTERNAL WORKS
- PHASE 2 (OPTIONAL WORKS) : NORTH WING, SOUTH WING AND CONNECTING BRIDGES

SPECIFICATION FOR CONCRETE

1. ALL CONCRETE TO BE C32/40 (TO I.S. EN 206-1:2002) UNLESS NOTED OTHERWISE.
   MIN. CEMENT CONTENT = 320kg/m³
   MAX. WATER CEMENT RATIO = 0.55
2. ALL CONCRETE (EXCEPT UNDERFLOOR HEATING SCREED AND STRUCTURAL SCREED) TO HAVE 50% OF CEMENT REPLACED WITH GGBS (GROUND GRANULATED BLAST FURNACE SLAG). MIX DESIGN TO BE ADJUSTED ACCORDINGLY AND ISSUED TO O'CSC FOR APPROVAL.
3. ALL CONCRETE SLABS TO HAVE POWERFLOAT FINISH UNLESS NOTED OTHERWISE.
4. ALL CONCRETE TO HAVE TYPE B FINISH TO BS 8110.
5. ALL EDGES OF CONCRETE VERTICAL ELEMENTS, CONCRETE BEAMS AND CONCRETE UPSTANDS TO HAVE A 15mmx15mm CHAMFER.

FOUNDATION SCHEDULE

TYPE	DESCRIPTION
SF1	1200x300dp RC STRIP FOOTING
SF2	900x300dp RC STRIP FOOTING
SF3	600x300dp RC STRIP FOOTING

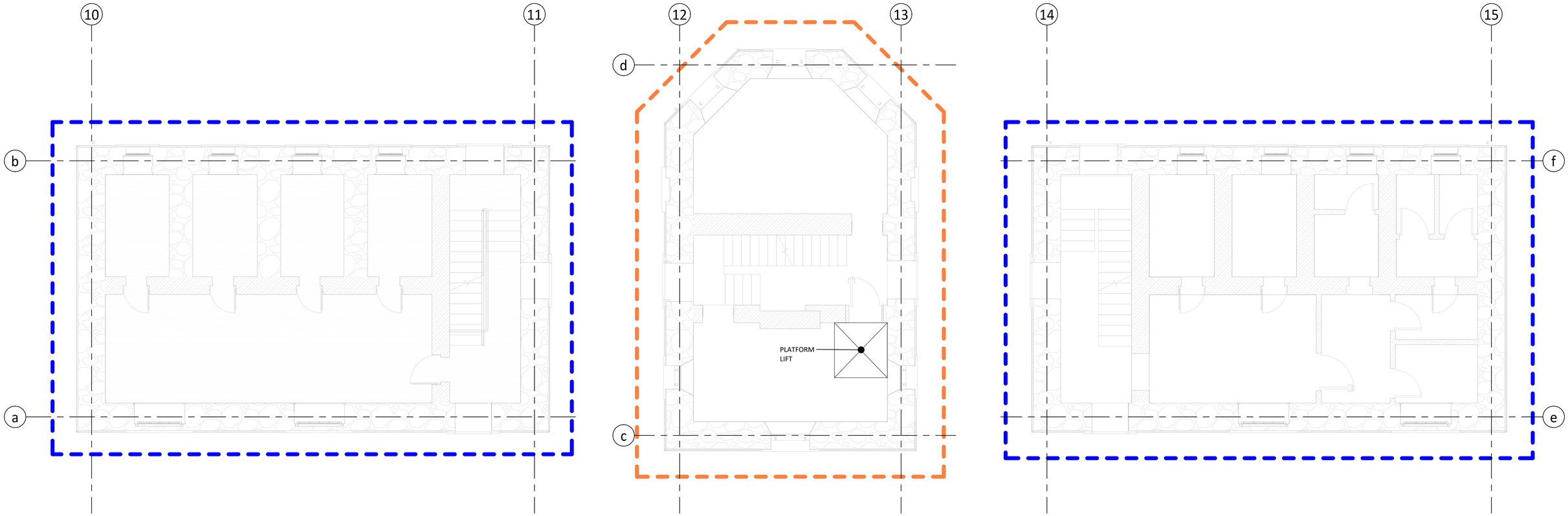
NOTES ON FOUNDATIONS:

1. FOUNDATION DESIGN BASED ON ALLOWABLE BEARING PRESSURE OF 150kN/m² TO BE CONFIRMED BY INSPECTION ON SITE
2. THE CONTRACTOR IS TO SUBMIT A DETAILED METHOD STATEMENT FOR EXCAVATION AND CONSTRUCTION OF THE FOUNDATIONS WITH HIS TENDER RETURN TO REVIEW CONFORMITY WITH DESIGN DRAWINGS. NO ADDITIONAL COSTS WILL BE ENTERTAINED IF NOT SUBMITTED.
3. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL EXCAVATIONS FREE FROM WATER BY PUMPING, BAILING OR OTHER APPROVED METHODS.
4. FORMATION LEVEL TO BE AGREED WITH ENGINEER PRIOR TO COMMENCEMENT OF WORKS WITH A SAMPLE AREA OF FORMATION STRATUM TO BE OFFERED FOR INSPECTION.
5. BEARING STRATUM TO BE EXPOSED AND BLINDED WITH C16/20 LEANMIX BLINDING ON THE SAME DAY. NO AREAS OF BEARING STRATUM TO BE LEFT EXPOSED OVERNIGHT.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY SOFT SPOTS OR UNSUITABLE MATERIAL ARE UNCOVERED.
7. ALL SOFT SPOTS/OVERDIG BELOW FORMATION FOR FOUNDATIONS TO BE BACKFILLED WITH C16/20 LEANMIX BLINDING.
8. NO CONCRETE OR BLINDING SHALL BE PLACED ON FROST, ICE, WATER OR UNAPPROVED/UNACCEPTABLE GROUND.
9. ALL EXCAVATIONS FOR FOUNDATIONS TO BE CLEARED OF TOPSOIL, MADE GROUND AND FILL MATERIAL.

SPECIFICATION FOR FILLING UNDER FLOOR SLAB:

(TO BE READ IN CONJUNCTION WITH OCSC " GROUND FLOOR SLAB SPECIFICATION ")

1. ENTIRE BUILDING FOOTPRINT TO BE CLEARED OF TOPSOIL, MADE GROUND & FILL AND EXCAVATED DOWN TO VIRGIN GROUND AS A SUITABLE BEARING STRATUM FOR GRANULAR FILL.
2. GRANULAR FILL TO COMPLY WITH SR21:2004 AND AI 2007 AND IN PARTICULAR SECTION 3.4 AND ANNEX E.
3. ENSURE THAT NO OUT OF BALANCE FORCES OCCUR ON THE MASONRY WALLS TO CAUSE UNDUE DISTRESS IN THE MASONRY. A BALANCED FILL APPROACH SHALL BE ADOPTED.
4. IN ORDER TO ASSURE THAT THE HARDCORE IS ADEQUATELY COMPACTED THE CONTRACTOR SHALL ENGAGE A SPECIALIST GEOTECHNICAL COMPANY TO CARRY OUT AND REPORT ON THE FOLLOWING PLATE BEARING TESTS:
   (i) 305mm DIAMETER PLATE BEARING TEST TO SUB-FLOOR AREA (1 PER 50m²/ OF FLOOR AREA), TO BE CARRIED OUT AFTER COMPACTING 2 No. LAYERS
   (ii) 305mm DIAMETER PLATE BEARING TEST TO SUB-FLOOR AREA (1 PER 50m²/ OF FLOOR AREA), TO BE CARRIED OUT AFTER COMPACTING TO FORMATION LEVEL FOR THE GROUND FLOOR SLAB.
   (iii) TESTS TO BE CARRIED OUT AS PER (I) AND (II) ABOVE AT LOCATIONS TO BE AGREED ON SITE WITH THE ENGINEER.
   (iv) EACH TEST SHALL BE CARRIED OUT ON AN INITIAL & RE-LOAD BASIS. THE MINIMUM ACCEPTABLE MODULUS OF REACTION AFTER COMPACTION AT EACH TEST SHALL BE AS FOLLOWS:
   - INITIAL = 75mN/m/m²
   - RE-LOAD = 150mN/m/m
5. THE ENGINEER SHALL BE VERBALLY INFORMED OF THE TEST RESULTS ON THE SAME DAY BEFORE ANY FURTHER COMPACTION OF SUBSEQUENT LAYERS TAKES PLACE. THE GEOTECHNICAL SPECIALISTS SHALL FORWARD A REPORT TO THE ENGINEERS FOR RECORD PURPOSES.
6. IF ABOVE COMPACTION RATES ARE NOT ACHIEVED THE CONTRACTOR SHALL PROPOSE AND AGREE ALTERNATIVE WORKING PRACTICES WITH THE ENGINEER.



- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DESIGN TEAM DRAWINGS AND SPECIFICATIONS.
- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS. DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
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Rev No.	Date	Revision Note	Drn by	Chkd by
P01	02/08/24	SUITABLE FOR REVIEW/COMMENT	BP/MMcF	IC
P02	15/01/25	REVISED AS CLOUDED	NP	IC
P03	04/02/26	REVISED AS CLOUDED	HS	IC
P04	27/03/26	REVISED AS CLOUDED	BP	IC
P05	03/11/26	PHASING INDICATED - SUITABLE FOR STAGE APPROVAL - TENDER	BP	IC

Comhairle Contae Thiobraid Árann
Tipperary County Council

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Client: TIPPERARY COUNTY COUNCIL
Project: TIPPERARY COURTHOUSE & BRIDEWELL
Title: FOUNDATION PLANS - BRIDEWELL

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
O708	OCSC	00	FN	DR	S	1001	S4	P05

Date: JAN'24 Scale @ A1: As indicated Drn by: BP Chkd by: AC Aprvd by: IC