

FOR TYPICAL FOUNDATION DETAILS REFER TO DWG No. SA00409-407-S-SW-FND

STRIP FOUNDATION NOTES

1. BOTTOM OF ALL FOUNDATIONS ARE TO BE A MINIMUM OF 100mm BELOW EXISTING GROUND LEVEL AND FOUNDED A MINIMUM OF 200mm INTO THE SHEPPERTON GRAVEL STRATA.
2. ALL FOUNDATION EXCAVATIONS MUST BE KEPT DRY TO AVOID INCREASED SETTLEMENTS. GROUND WATER AND SURFACE WATER INGRESS SHOULD BE PREVENTED FROM ENTERING TRENCHES.
3. PROPOSED FORMATION TO BE PREPARED USING A TOOTHLESS BUCKET OR TO BE WELL COMPACTED PRIOR TO POURING THE CONCRETE.
4. DESIGN ALLOWABLE GROUND BEARING PRESSURE IS AT LEAST 270kN/m² IN THE GRAVEL STRATA, WHICH HAS NO VOLUME CHANGE CHARACTERISTICS.
5. FINAL DEPTHS OF FOUNDATIONS SUBJECT TO AGREEMENT WITH THE LOCAL AUTHORITY BUILDING INSPECTOR/ENGINEER. REFER TO THE ENGINEER IF IN ANY DOUBT ABOUT THE REQUIRED FOUNDATION CONSTRUCTION.
6. FOUNDATIONS SHOULD BE CONSTRUCTED IN A RAPID DIP AND POUR OPERATION, OTHERWISE A 50mm concrete BLINDING LAYER SHOULD BE APPLIED AS SOON AS THE FORMATION LEVEL IS REACHED.
7. BOTTOM OF ALL TRENCHES TO BE CLEARED OF ANY LOOSE MATERIAL PRIOR TO CONCRETING. TRENCHES TO BE CONCRETED WITHIN 24 HOURS OF EXCAVATION.
8. FINISHED GROUND LEVEL UNDER BUILDING TO BE TREATED WITH WEEDKILLER.
9. THE INTEGRITY OF THE EXCAVATIONS IS TO BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES.
10. CONCRETE STRIP/TRENCH FOUNDATIONS TO BE:

FND2 DESIGNATED MIX TO BS5850 IN ACCORDANCE WITH BS-1, AC-1 CONDITIONS (ASSUMED). IN ACCORDANCE WITH BRE S1. MAXIMUM AGGREGATE SIZE 20mm, SLUMP CLASS S3. CONCRETE TO BE THOROUGHLY COMPACTED.
11. REFERENCE SHOULD BE MADE TO THE SITE INVESTIGATION BY SOILTECHNICS; REF: ST5867-REV B, DATED JANUARY 2023
12. ALL PROPRIETARY PRODUCTS ARE TO BE USED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS DETAILS AND REQUIREMENTS.

FOUNDATION LEGEND

-  DENOTES LOADING $7.3N/mm^2$ BLOCKWORK WALL (MAX. DENSITY $1600kg/m^3$)
-  DENOTES NON LOAD BEARING WALL ON FLOOR OVER $1.5kN/m$ RUN ON FLOOR
-  DENOTES SPAN DIRECTION OF FLOOR OVER (SEE SPAN NOTES FOR FURTHER DETAILS)
- SSL = DENOTES STRUCTURAL SLAB LEVEL
- TOT = DENOTES LEVEL FOR TOP OF FOUNDATION
- BOC = DENOTED BOTTOM OF FOUNDATION
-  DENOTES POINT LOAD FROM TIMBER STAIRS
- BW OVER DENOTES BUTTRESS WALL OVER. LOAD = $3.5kN/m$ RUN

SPAN NOTES

- 
 DENOTES SPAN DIRECTION OF 150mm JET FLOOR.
 SEE PRECAST FLOOR NOTES 1 FOR SPECIFICATIONS.
- 
 DENOTES SPAN DIRECTION OF 150mm BEAM AND BLOCK FLOOR. SEE PRECAST FLOOR NOTES 1 FOR SPECIFICATIONS.

BLOCKWORK NOTES

1. ALL LOADBEARING BLOCKWORK BELOW DPC TO BE 7N/mm² BLOCKWORK (MAX. DENSITY 1600kg/m³) AS NOTED ON PLAN. MORTAR DESIGNATION M12(i) TO BS5628.
2. MAXIMUM INDIVIDUAL BLOCK UNIT WEIGHT NOT TO EXCEED 20Kg.
3. ALL PROPRIETARY PRODUCTS ARE TO BE USED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS DETAILS AND REQUIREMENTS.
4. ALL BLOCKWORK TO BE CATEGORY 1 AS DEFINED IN BS5628 AND BS EN 771.

PRECAST FLOOR NOTES 1

1. PRECAST FLOOR IS TO BE 150mm DEEP JET FLOOR OR BEAM AND BLOCK IN GARAGES WHERE INDICATED. MANUFACTURER TO BE CONFIRMED
2. PRECAST FLOOR IS TO BE DESIGNED AND SUPPLIED BY SPECIALIST MANUFACTURER WHO IS RESPONSIBLE FOR THE UNIT DIMENSIONS OF THE PRECAST FLOOR.
3. MINIMUM AIR VOID BENEATH PRECAST FLOOR IS 250mm.
4. SPECIALIST MANUFACTURERS LAYOUT, DETAILS AND DESIGN CALCULATIONS TO BE SUPPLIED TO THE ENGINEER/ARCHITECT FOR APPROVAL PRIOR TO MANUFACTURE.
5. PRECAST FLOOR TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS DETAILS AND REQUIREMENTS.
6. LOADINGS (CHARACTERISTIC)
 - 6.1. LIVE LOAD

HOUSES	=	1.75 kN/m ² (INC. PARTITIONS)
GARAGES	=	2.5 kN/m ²
 - 6.2. SUPERIMPOSED DEAD LOAD (NOT INC. SELF WEIGHT)

GENERALLY	=	1.8 kN/m ²
STAIRS	=	6.0 kN POINT LOAD

Notes

All dimensions to be checked on site prior to the commencement of construction and any discrepancy should be reported to the Site Manager.

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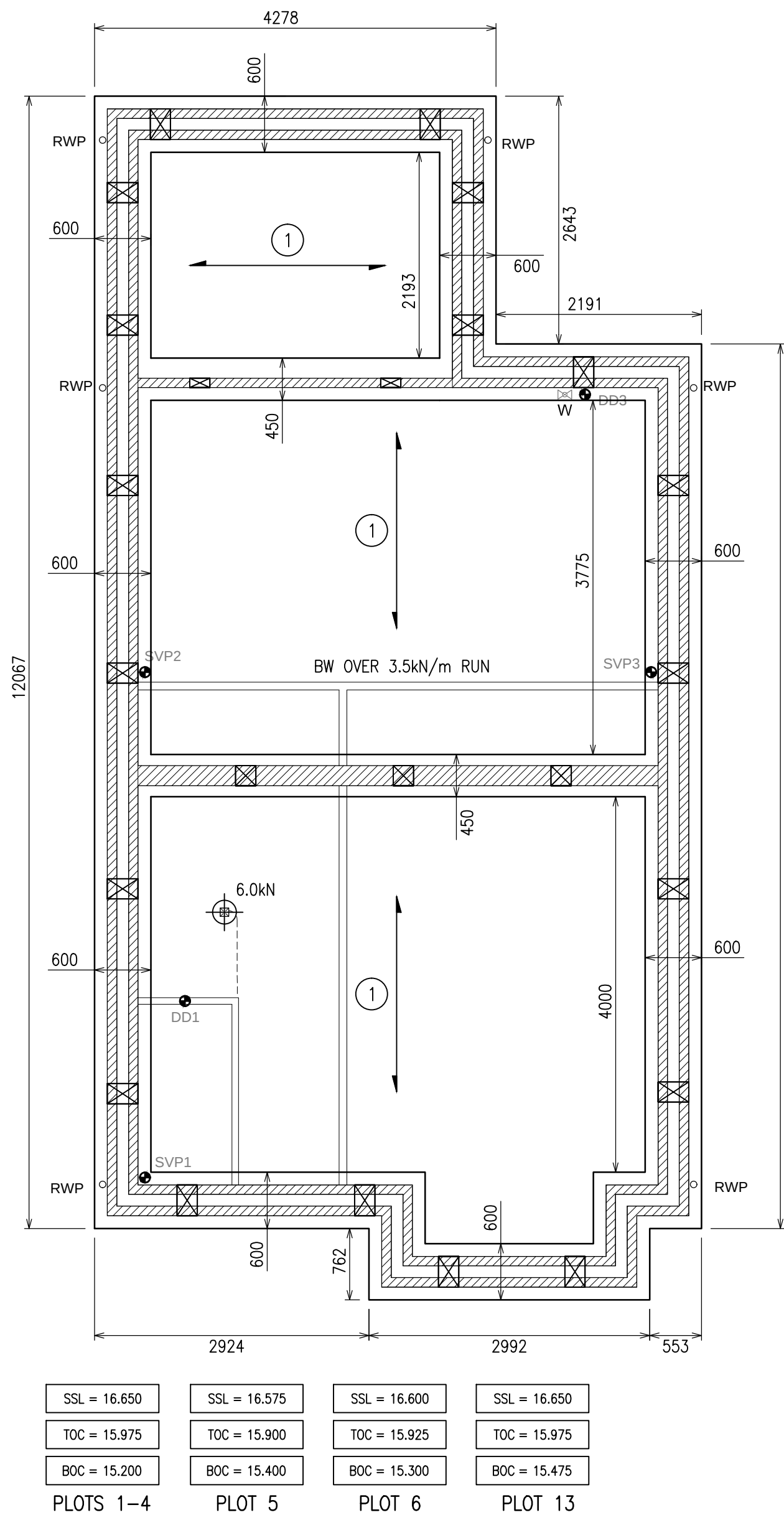
Sub-Contractors MUST ensure that they have the latest issue drawing before they commence work on site

GENERAL STRUCTURAL NOTES

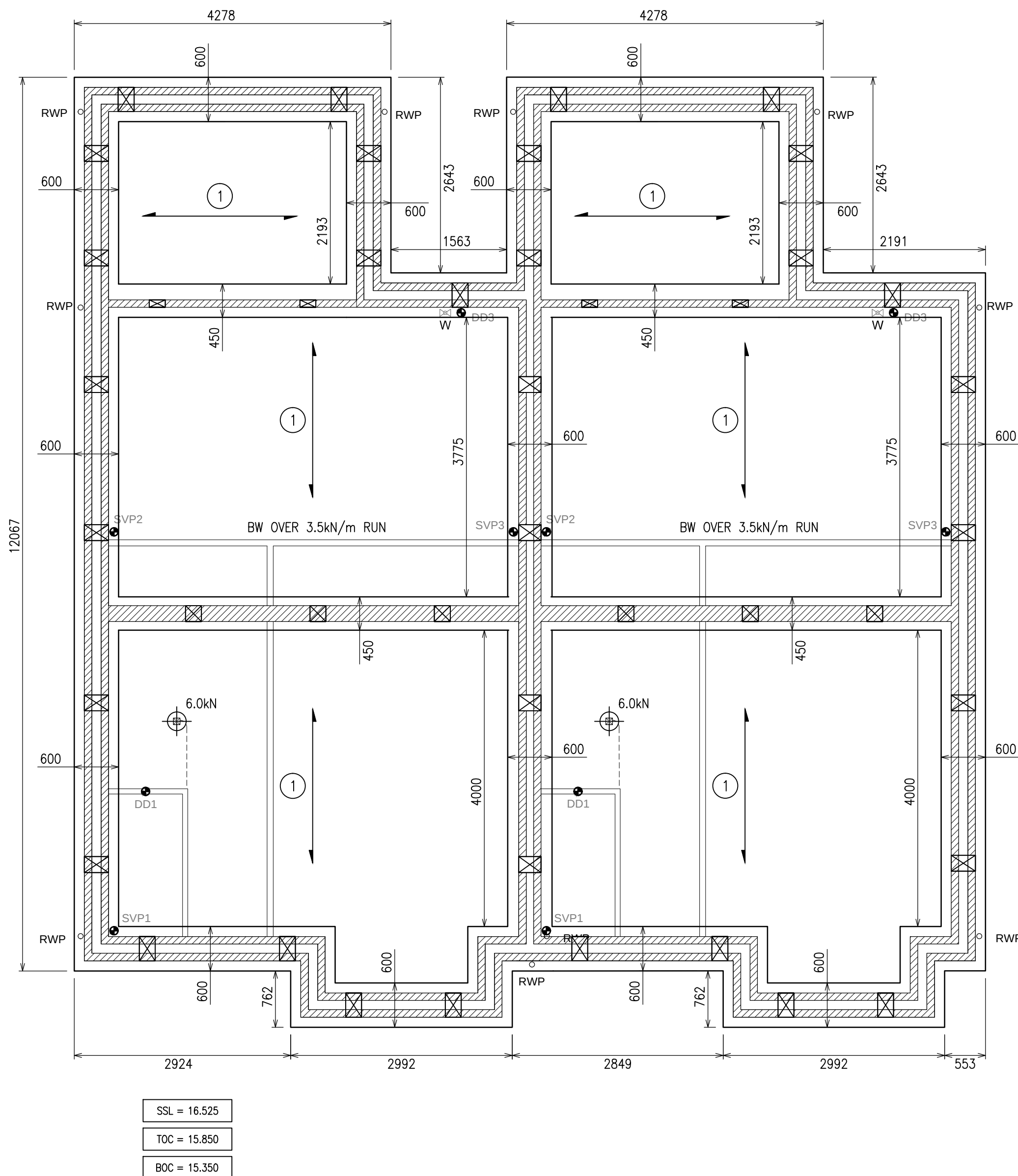
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SERVICE ENGINEERS, SPECIALISTS AND OPUS ENGINEERING CONSULTANTS LTD DRAWINGS, BILLS OF QUANTITIES AND SPECIFICATIONS.
3. FOR THE PURPOSES OF CONSTRUCTION THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
4. THIS DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL SITE INSTRUCTIONS.
5. REPORT ANY DISCREPANCIES TO THE SUPERVISING OFFICER BEFORE CONSTRUCTION.

CDM NOTES

1. THIS DESIGN HAS BEEN REVIEWED TO ENSURE COMPLIANCE WITH THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2007. ABNORMAL RISK ITEMS INCLUDE BURIED ASBESTOS AND LAND FILL GAS. THE CONTRACTOR MUST MAKE THEMSELVES AWARE OF THESE RISKS WHEN UNDER TAKING CONSTRUCTION WORKS SHOWN.
2. THE CONTRACTOR AND ANY SUB CONTRACTORS ARE TO SUBMIT RISK ASSESSMENTS WHERE APPLICABLE AND FULLY COMPLY WITH THE ABOVE STATED REGULATIONS.
3. THIS SITE HAS PREVIOUSLY BEEN DEVELOPED AND ANY BURIED OBSTRUCTIONS SHOULD BE REMOVED BEFORE POURING FOUNDATIONS.
4. THE CONTRACTOR AND ANY SUB CONTRACTORS SHOULD REVIEW THE RELEVANT SITE INVESTIGATION TO GAIN AN UNDERSTANDING OF GROUND CONDITIONS.



HOUSE TYPE 05 (MULBERRY) - PLOTS 1-6 AND 13 FOUNDATION PLAN SHOWING STRUCTURE OVER
SCALE 1:50 (PLOTS 1, 6 & 13 HANDED)



HOUSE TYPE 05 (MULBERRY) - PLOTS 20-21 FOUNDATION PLAN SHOWING STRUCTURE OVER
SCALE 1:50

[illegible]

CALA

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Job Title
THOPRE LEA ROAD
EGHAM

Drawing Title

HOUSE TYPE 05 (MULBERRY)
PLOTS 1-6, 13 AND 20-21
FOUNDATION PLANS

STATUS TENDER	DRAWN NPK
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SCALE 1:50 @ A1	DATE NOVEMBER 2023	REV.
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DWG NO.

SA00409-401-S-HT5-FND