

## YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

## Key Plan

[illegible]

## Issues

All measurements are to be checked and verified on site by the contractor before proceeding with work

Do not scale drawings

Drawn by: R.RASALINGAM / S.SHUM  
Checked by: W.PETER  
Original Issue Date: 2024.07.30  
Project No: 24.065  
Scale: As indicated

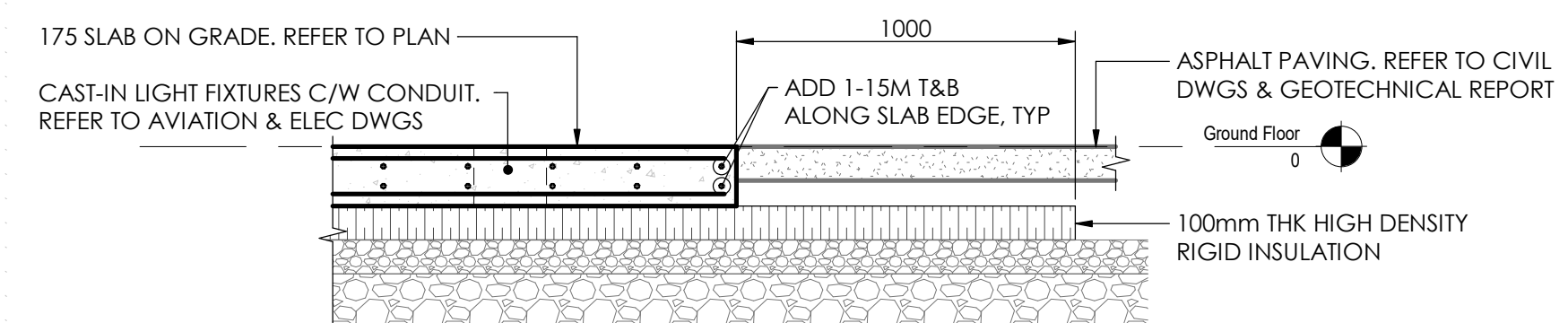
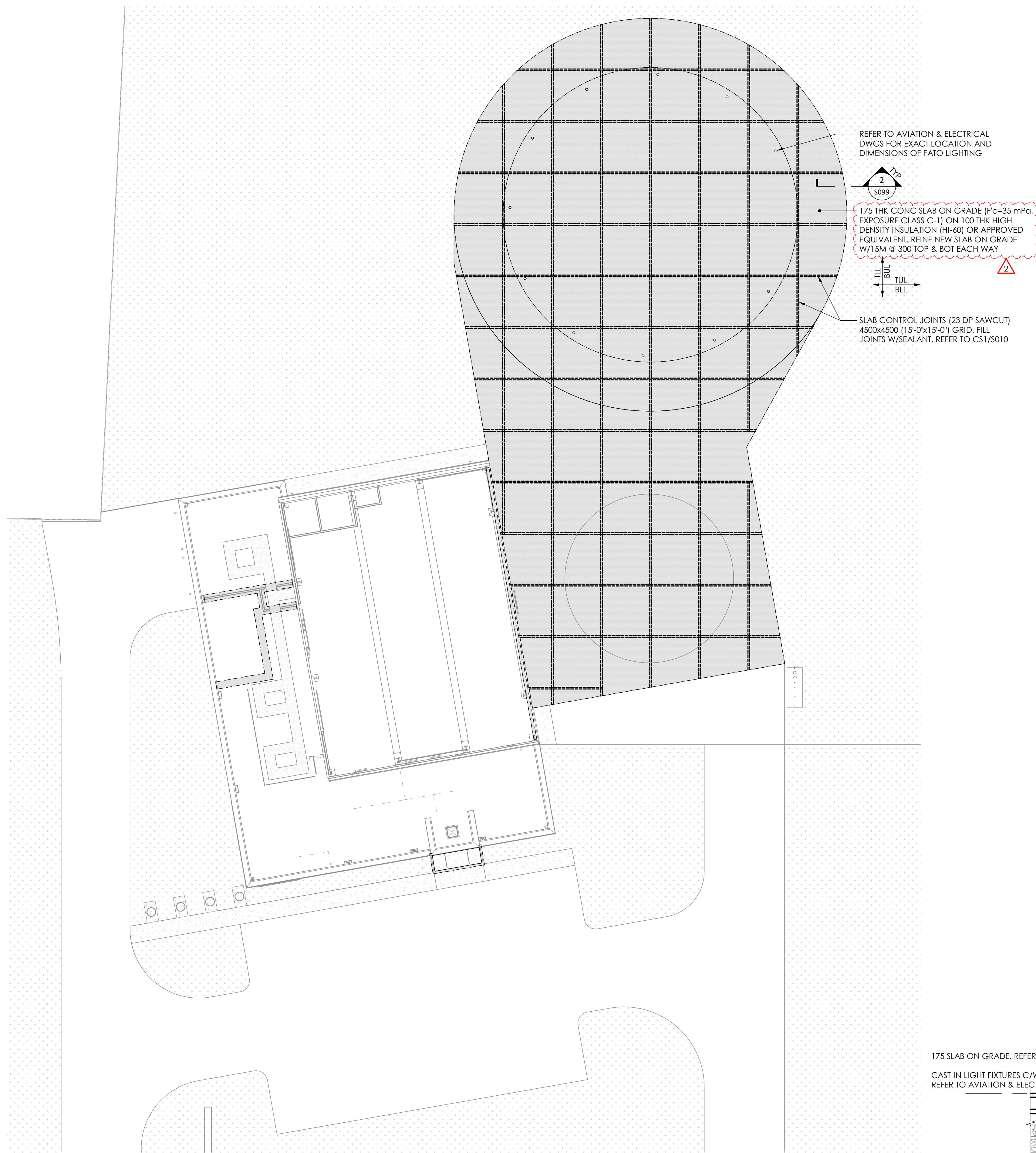


Sheet Title:

## ENLARGED SITE PLAN

Drawing No.

**S099**



# 1 SITE PLAN

1 : 200

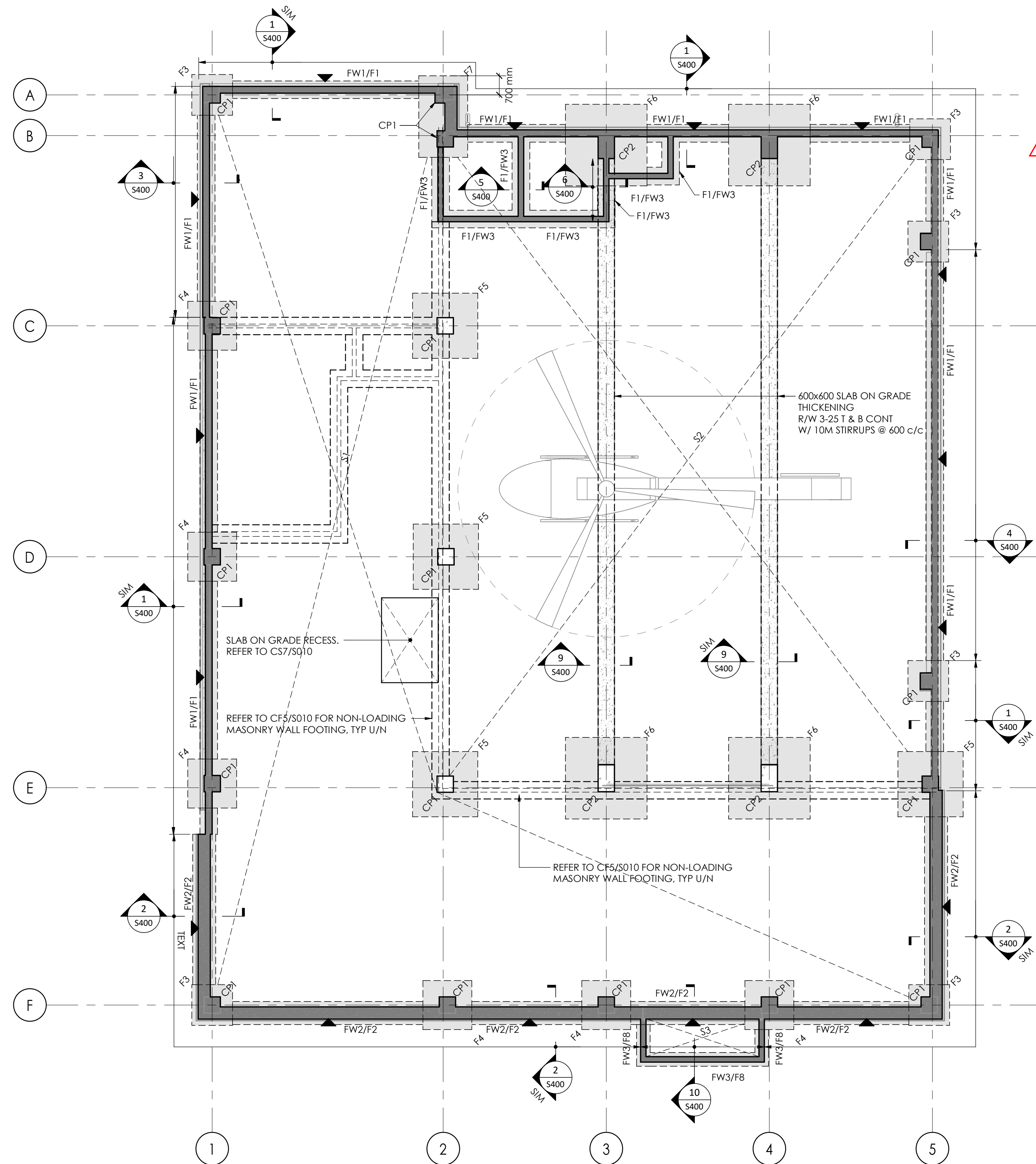
NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF CONCRETE SLOPE FOR NEW SLAB ON GRADE.
2. COORDINATE SLAB REINFORCEMENT WITH IN-SLAB HEATING IF/AS REQUIRED WITH THE MEP DRAWINGS.

2

1:20





# 1 FOUNDATION PLAN

S100

1 : 100

PLAN NOTES:

1. TOP OF FINISHED GROUND FLOOR (SLAB ON GRADE) IS AT ELEVATION 0mm EXCEPT AS CROSSED AND NOTED. ELEVATIONS FOR CROSSED AND NOTED ARE TO BE READ FROM THE FINISHED GROUND FLOOR ELEVATION 0mm.
2. FOUND UNDERSIDE OF COLUMN & WALL FOOTINGS AT ELEVATION 1650mm BELOW FINISHED GROUND FLOOR ELEVATION. UNLESS NOTED ON PLAN OTHERWISE.
3. CENTER ALL CAPS AND FOOTINGS UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.
4. SEE ARCHITECTURAL DRAWINGS FOR SLOPE TO DRAINS. MAINTAIN SLAB THICKNESS SHOWN.
5. PROVIDE CONTROL JOISTS AT LOCATION SHOWN THUS ► ON PLAN.
6. REFER TO TYPICAL DETAILS ON DRAWING S010 & S012.
7. REFER TO GENERAL NOTES ON DRAWING S001.
8. REFER TO COLUMN SCHEDULE FOR THE COLUMN REACTIONS. THE PRELIMINARY COLUMN REACTIONS SHOWN IN THE SCHEDULE ARE FACTORED LOADS & PROVIDED BY THE PREFAB SUPPLIER'S ENGINEER. COORDINATE WITH PREFAB SUPPLIER ENGINEER FOR FINAL COLUMN REACTIONS.
9. EARTHQUAKE LOADS:
  - a. THE EARTHQUAKE LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH THE EQUIVALENT STATIC FORCE PROCEDURE.
    - i. EARTHQUAKE IMPORTANCE FACTOR, BASED ON TABLE 4.1.8.5 OF 2012 OBC  
CATEGORY - POST-DISASTER  
IE = 1.5 (ULS)
    - ii. SEISMIC HAZARD PARAMETER FOR TOWN OF EAST GWILLIMBURY  
 $Sa(0.2) = 0.132$ ,  $Sa(0.5) = 0.085$ ,  $Sa(1.0) = 0.050$ ,  $Sa(2.0) = 0.026$ ,  $PGA = 0.081$
  - b. SITE CLASSIFICATION FOR SEISMIC SITE RESPONSE:  
CLASS = C

10. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF CONCRETE SLOPE FOR NEW SLAB ON GRADE  
11. FOR S2 & S3 CONCRETE SLAB ON GRADE TO CONFORM TO C1:  $f'c=35$  mPa.

FOUNDATION SCHEDULE			
TAG	MEMBER SIZE	REINFORCEMENT	COMMENTS
F1	650mm x 250mm DP CONC FOOTING	3-15M CONC BUL IN LONG DIRECTION. 15M @ 400 c/c BLL IN SHORT DIRECTION	LAP HORIZ BARS AT CORNERS & INTERSECTION
F2	850mm x 250mm DP CONC FOOTING	4-15M CONC BUL IN LONG DIRECTION. 15M @ 400 c/c BLL IN SHORT DIRECTION	LAP HORIZ BARS AT CORNERS & INTERSECTION
F3	1500mm x 1500mm x 450mm DP CONC FOOTING	6-15 BEW (HH)	
F4	1800mm x 1800mm x 450mm DP CONC FOOTING	8-15 BEW (HH)	
F5	2400mm x 2400mm x 450mm DP CONC FOOTING	12-15 BEW (HH)	
F6	3000mm x 3000mm x 600mm DP CONC FOOTING	15-15 BEW (HH)	
F7	1800mm W x 3000mm L x 450mm DP CONC FOOTING	12-15M CONC BUL IN SHORT DIRECTION (HH), 6-15M CONC BUL IN LONG DIRECTION (HH)	
F8	500mm x 200mm DP CONC FOOTING	2-15M CONC	
FW1	250mm CONCRETE FOUNDATION WALL	15M @ 300 c/c VERT & HORIZ EACH FACE. PROVIDE 4-15 VERT AT WALL INTERSECTION & CORNERS	LAP HORIZ BARS AT CORNERS & INTERSECTION
FW2	450mm CONCRETE FOUNDATION WALL	15M @ 300 c/c VERT & HORIZ EACH FACE. PROVIDE 4-15 VERT AT WALL INTERSECTION & CORNERS. ALSO REFER TO S2020	LAP HORIZ BARS AT CORNERS & INTERSECTION
FW3	200mm CONCRETE WALL	15M @ 400 c/c VERT & HORIZ EACH FACE. PROVIDE 4-15 VERT AT WALL INTERSECTION & CORNERS	
MW1	140 (6") MASONRY WALL	15M @ 400 VERT IN FULLY GROUTED CELL. PROVIDE MATCHING DOWELS x 1200 LG. EXTEND FROM CONC WALL BELOW. REFER TO CW3/011	PROVIDE CONT 390mm DP BOND BEAM (R/W 1-5M L&B) AT TOP OF MASONRY WALL
MW2	190 (8") MASONRY WALL	15M @ 400 VERT IN FULLY GROUTED CELL. PROVIDE MATCHING DOWELS x 1200 LG. EXTEND FROM CONC WALL BELOW. REFER TO CW3/011	PROVIDE CONT 390mm DP BOND BEAM (R/W 1-5M L&B) AT TOP OF MASONRY WALL
CP1	600mm x 600mm CONCRETE CAP	12-20V W/3-10M TIES @ 75 c/c AT TOP & 10M TIES @ 300 IN REMAINING	REFER TO ARCH DWGS FOR RIGID INSULATION
CP2	600mm W x 1000mm L CONCRETE CAP	12-20V W/3-10M TIES @ 75 c/c AT TOP & 10M TIES @ 300 IN REMAINING	REFER TO ARCH DWGS FOR RIGID INSULATION
S1	125 SLAB ON GRADE ATOP 75mm TH RIGID INSULATION	R/W 1 LAYER OF 150x150 W/ 7MM	REFER TO ARCH DWGS FOR RIGID INSULATION
S2	175 SLAB ON GRADE ATOP 75mm TH RIGID INSULATION	R/W 2 LAYER OF 150x150 W/ 7MM & W/ 18MM 7 W/WF	REFER TO ARCH DWGS FOR RIGID INSULATION
S3	200 SLAB ON GRADE ON VOID FORM	R/W 15M @ 250 TOP & BOT EACH WAY	REFER TO ARCH DWGS FOR RIGID INSULATION

COLUMN SCHEDULE				
COLUMN ID	V MAX (kN)	V MIN (kN)	H MAX (kN)	H MIN (kN)
A-1	29.5	-5.7	1.5	-2.0
A-2	38.6	-4.3	1.6	-2.1
B-2	11.1	-4.1	2.4	-3.1
B-3	98.0	-36.0	46.0	-10.6
B-4	98.0	-36.0	46.0	-10.6
B-5	61.8	-23.7	30.2	-3.7
B/C-5	1.7	-1.1	6.9	-9.8
C-1	64.7	-4.6	4	-3.5
C-2	117.3	-13.1	9.1	-12.8
D-1	64.7	-4.6	4	-3.5
D-2	120.0	-14.0	10.0	-14.0
D/E-5	1.7	-1.1	6.9	-9.8
E-1	61.9	-7.0	3.9	-4.1
E-2	196.3	-15.9	4.3	-5.5
E-3	177.1	-38.1	12.0	-44.7
E-4	177.1	-38.1	12.0	-44.7
E-5	108.5	-10.2	29.3	-29.6
F-1	61.9	-7.0	3.9	4.1
F-2	66.8	-5.7	3.5	-3.6
F-3	55.6	-2.3	2.9	-3.0
F-4	55.6	-2.3	2.9	-3.0
F-5	30.8	-2.5	1.6	-1.7

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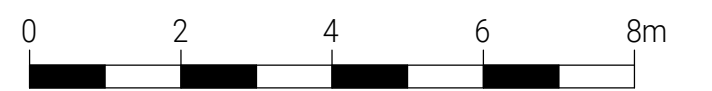
4	Issued for Tender Addendum 2	2024/09/18
3	Issued for Tender Addendum 1	2024/09/16
2	Issued for Tender	2024/09/09
1	Issued for Permit	2024/07/30
NO.	ISSUED	DATE

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# FOUNDATION PLAN

Drawing No.

**S100**