

YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan



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

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:

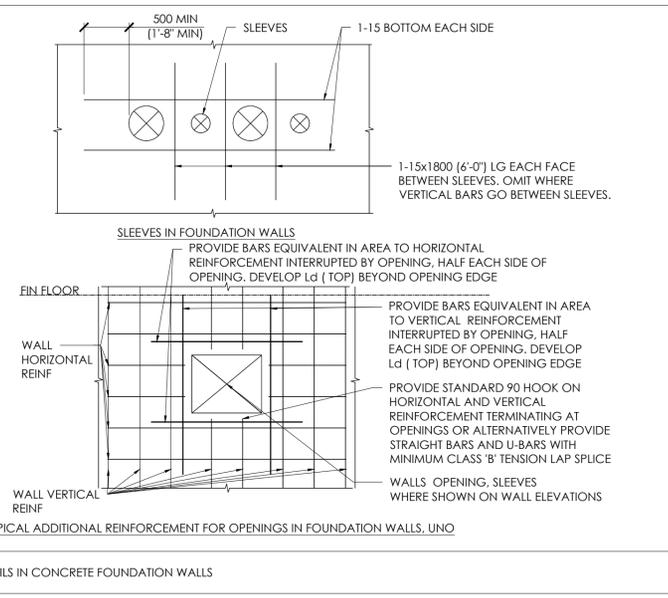
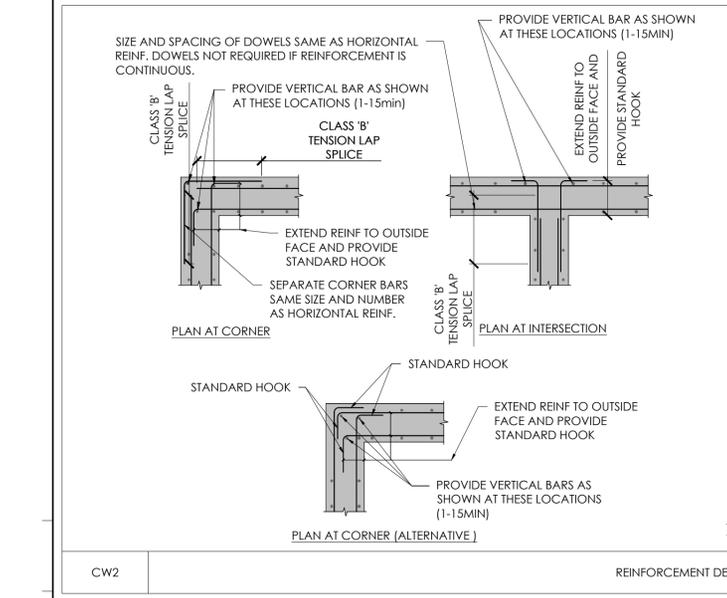
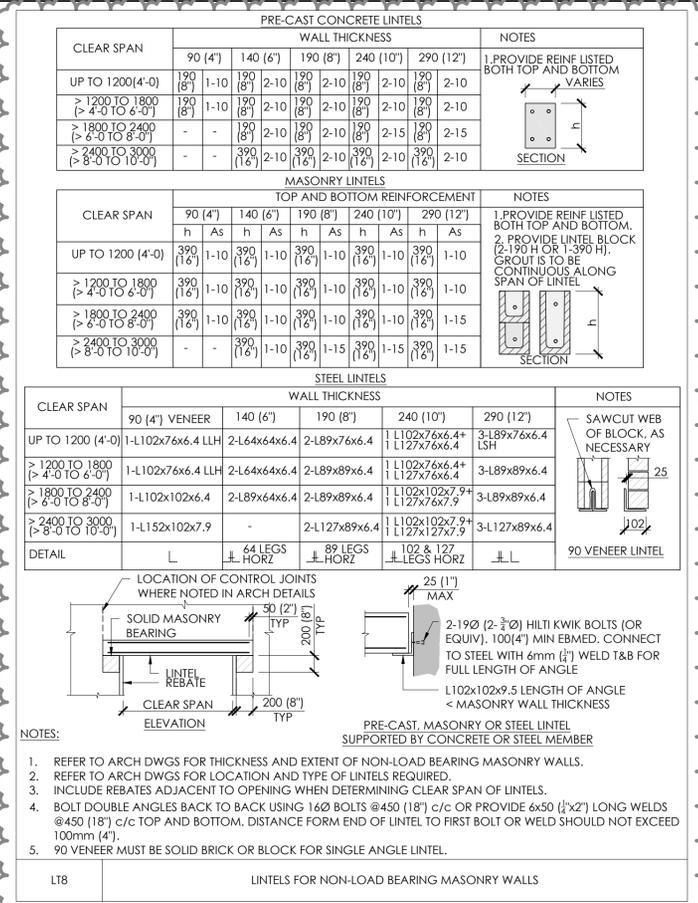
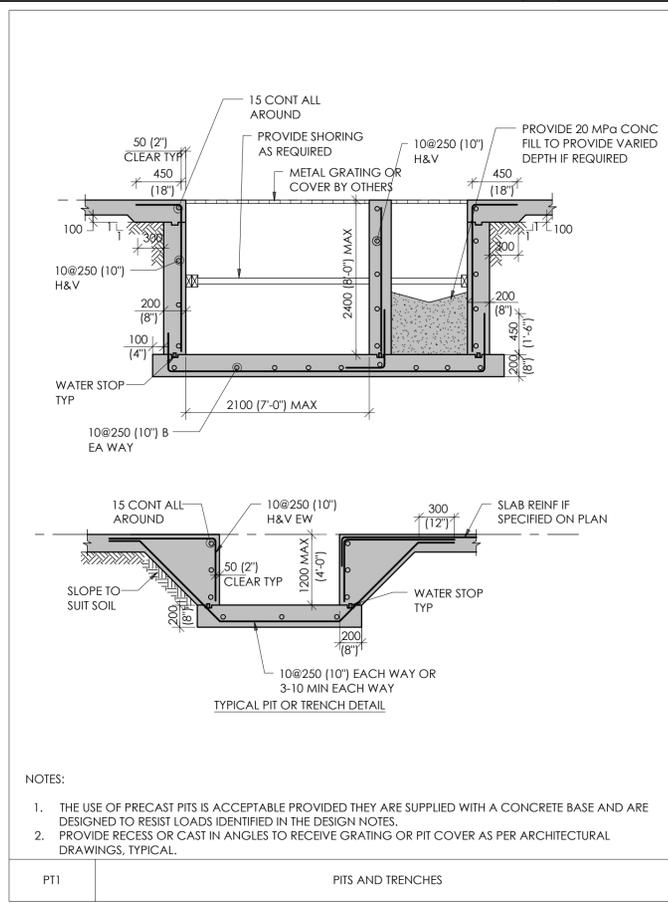
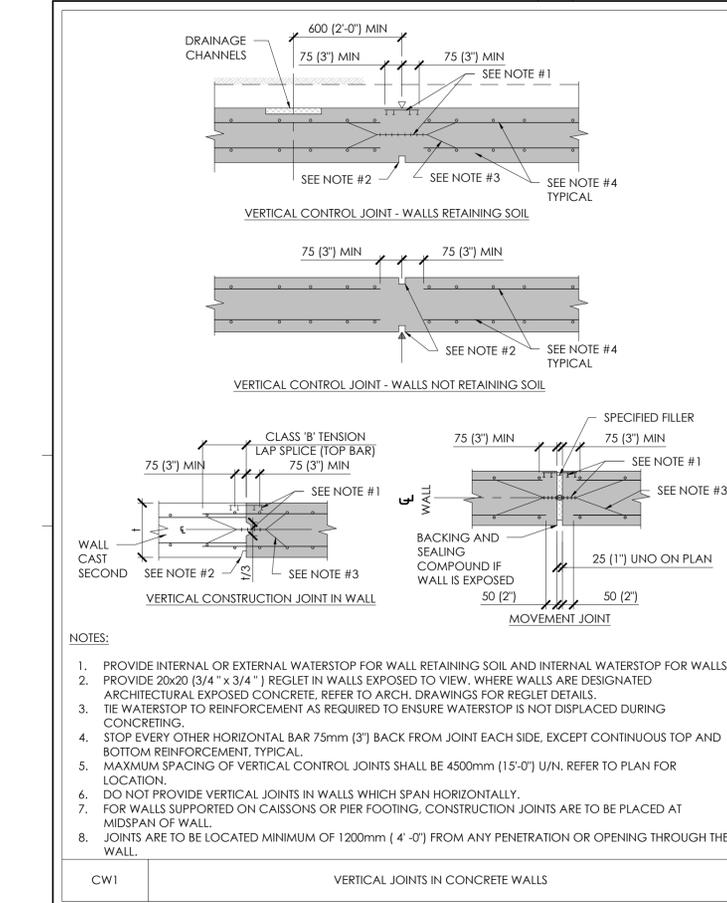


Sheet Title:

TYPICAL DETAILS

Drawing No.

S011



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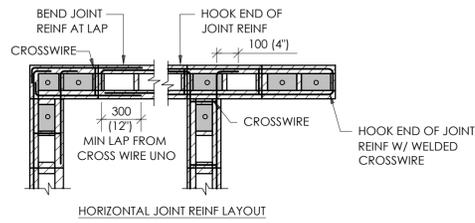
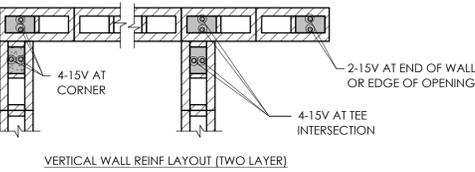
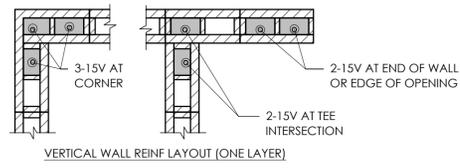


Sheet Title:

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Drawing No.

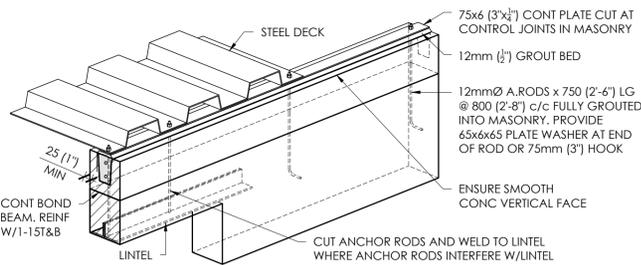
S012



NOTES:

1. AT INTERSECTIONS, BOND WALLS TOGETHER BY INTERLOCKING ALTERNATE COURSES (RUNNING BOND), UNLESS NOTED OTHERWISE.
2. FOR ADDITIONAL REINFORCEMENT AT OPENINGS, REFER TO TYPICAL DETAIL M15.
3. WHERE HORIZONTAL REINFORCING BARS ARE SPECIFIED, PROVIDE CLASS 'B' TENSION LAP SPLICE AT CORNERS AND WALL INTERSECTIONS.

CW3 REINFORCEMENT FOR MASONRY WALLS



DECK BEARING ON MASONRY WALL

SD3 STEEL DECK AT ROOF (MASONRY FRAMING)

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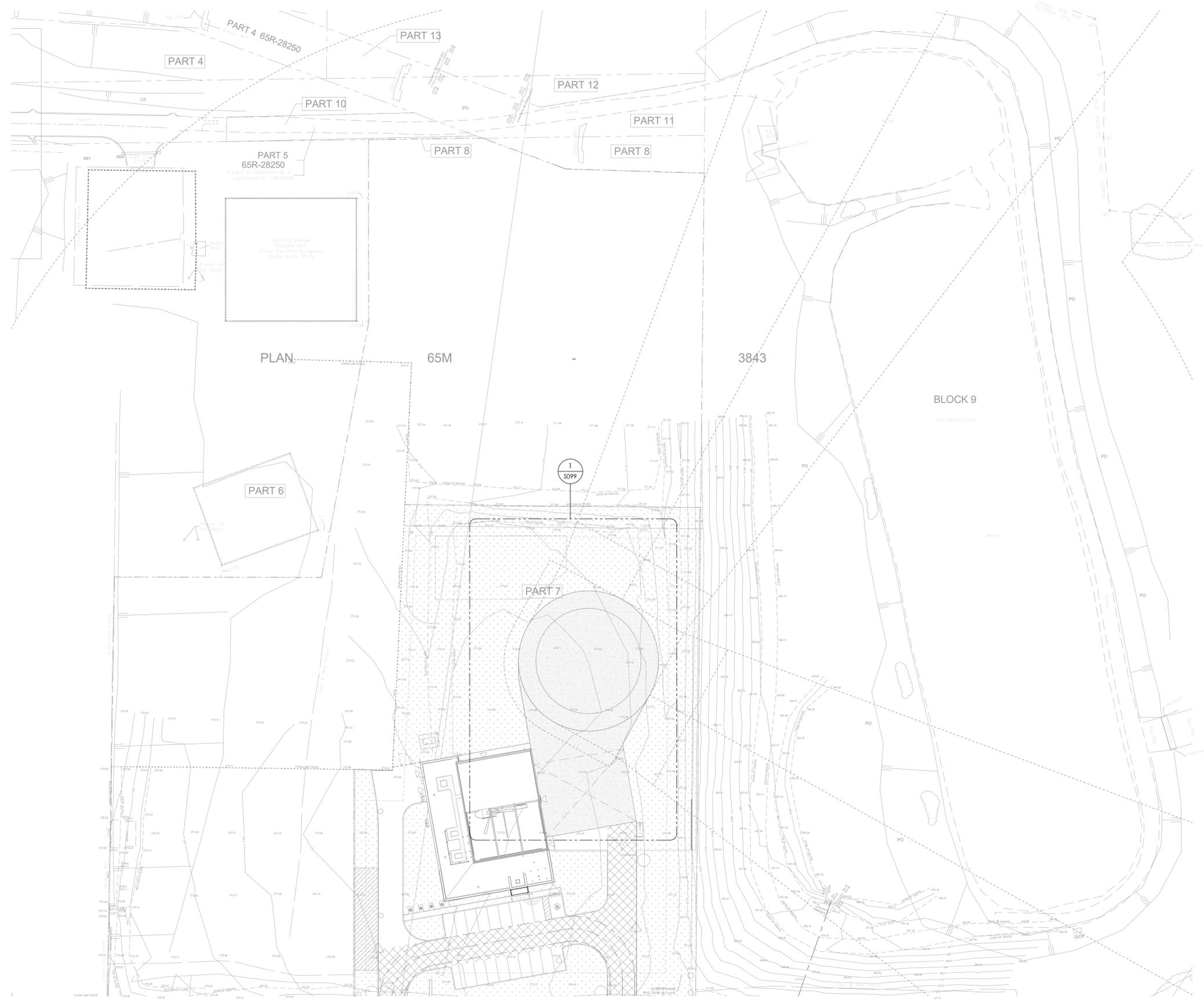


Sheet Title:

OVERALL SITE PLAN

Drawing No.

S098



1 OVERALL SITE PLAN
1 : 500

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Scale: As indicated



Sheet Title:

ENLARGED SITE PLAN

Drawing No.

S099

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1 SITE PLAN
S099
1 : 200

2
S099
1 : 20

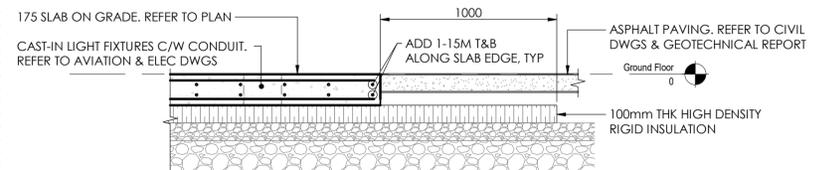
REFER TO AVIATION & ELECTRICAL DWGS FOR EXACT LOCATION AND DIMENSIONS OF FATO LIGHTING



175 THK CONC SLAB ON GRADE ON 100 THK HIGH DENSITY INSULATION (HI-60) OR APPROVED EQUIVALENT. REINF NEW SLAB ON GRADE W/15M @ 300 TOP & BOT EACH WAY



SLAB CONTROL JOINTS (23 DP SAWCUT) 4500x4500 (15'-0"x15'-0") GRID. FILL JOINTS W/SEALANT. REFER TO CS1/S010



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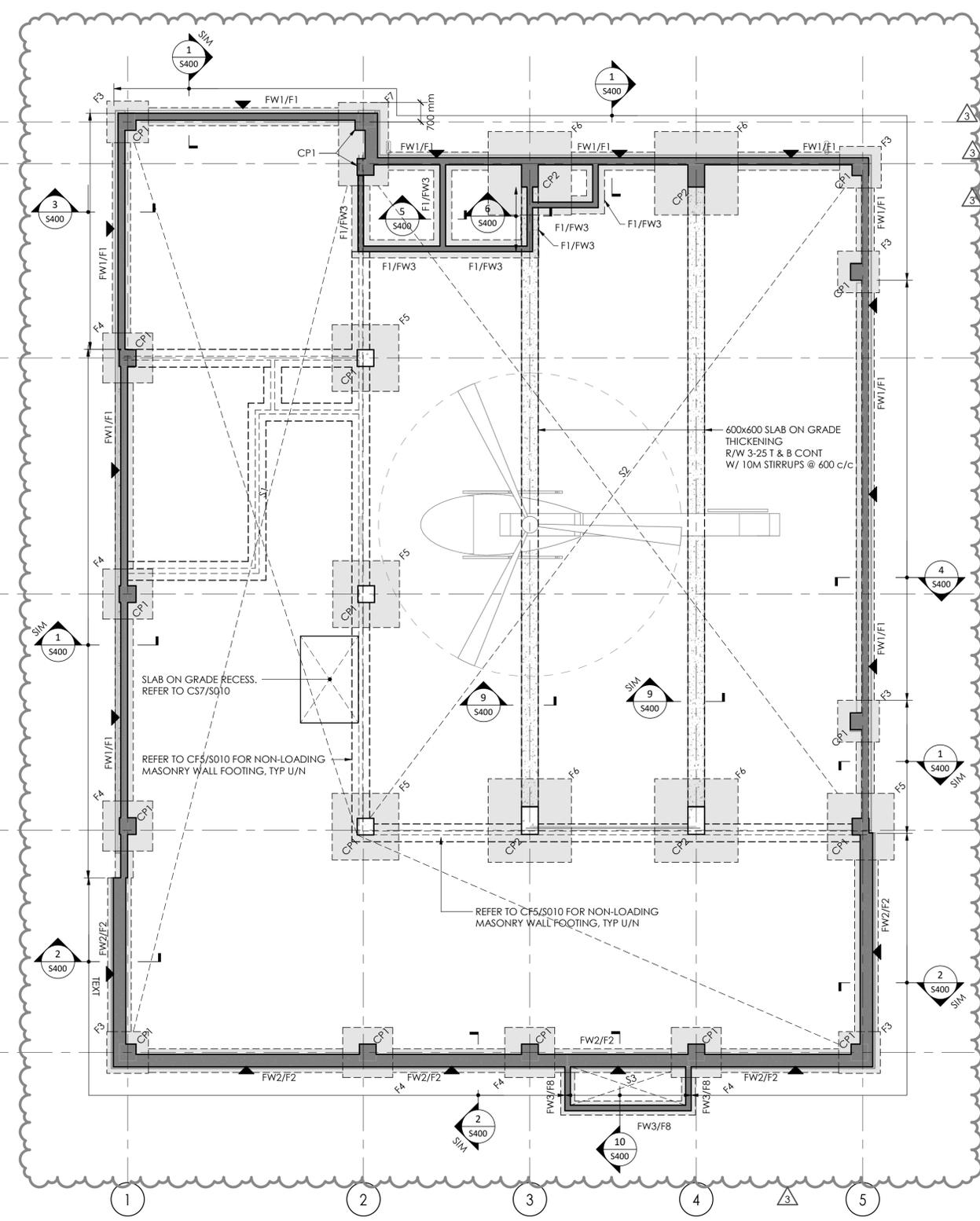
FOUNDATION PLAN

Drawing No.

S100

FOUNDATION SCHEDULE			
TAG	MEMBER SIZE	REINFORCEMENT	COMMENTS
F1	650mm x 250mm DP CONC FOOTING	3-15M CONT BUL IN LONG DIRECTION, 15M @ 400 C/C BLL IN SHORT DIRECTION	<varies>
F2	850mm x 250mm DP CONC FOOTING	4-15M CONT 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	1500mm x 3000mm x 450mm DP CONC FOOTING	12-15M CONT BUL IN LONG DIRECTION, 15M @ 400 C/C BLL IN SHORT DIRECTION	
F8	500mm x 200mm DP CONC FOOTING	2-15M CONT	
FW1	450mm 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 CS2/S010	LAP HORIZ BARS AT CORNERS & INTERSECTION
FW3	200mm CONC WALL	15M @ 400 C/C VERT & HORIZ EACH FACE, PROVIDE 4-15 VERT AT WALL INTERSECTION & CORNERS	
MM1	150 (8) MASONRY WALL	15M @ 400 VERT IN FULLY GROUTED CELL, PROVIDE MATCHING DOWELS x 1200 LG, EXTEND FROM CONC WALL BELOW, REFER TO CW3/S011	PROVIDE CONT 30mm DP BOND BEAM R/W 1-5M (8) AT TOP OF MASONRY WALL
MM2	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/S011	PROVIDE CONT 30mm DP BOND BEAM R/W 1-5M (8) AT TOP OF MASONRY WALL
CP1	800mm x 600mm CONCRETE CAP	14-20V 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	14-20V 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 THK RIGID INSULATION	R/W 1 LAYER OF 152x152 MW18.7 x MW18.7 WWF	REFER TO ARCH DWGS FOR RIGID INSULATION
S2	175 SLAB ON GRADE ATOP 75mm THK RIGID INSULATION	R/W 1 LAYER OF 152x152 MW18.7 x MW18.7 WWF	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



1 FOUNDATION PLAN
S100

1 : 100
PLAN NOTES:

- 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.
- FOUND UNDERSIDE OF COLUMN & WALL FOOTINGS AT ELEVATION 1650mm BELOW FINISHED GROUND FLOOR ELEVATION UNLESS NOTED ON PLAN OTHERWISE.
- CENTER ALL CAPS AND FOOTINGS UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.
- SEE ARCHITECTURAL DRAWINGS FOR SLOPE TO DRAINS, MAINTAIN SLAB THICKNESS SHOWN.
- PROVIDE CONTROL JOISTS AT LOCATION SHOWN THIS ON PLAN.
- REFER TO TYPICAL DETAILS ON DRAWING S010 & S012.
- REFER TO GENERAL NOTES ON DRAWING S001.
- 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.
- EARTHQUAKE LOADS:
 - THE EARTHQUAKE LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH THE EQUIVALENT STATIC FORCE PROCEDURE.
 - EARTHQUAKE IMPORTANCE FACTOR, BASED ON TABLE 4.1.8.5 OF 2012 OBC CATEGORY - POST-DISASTER IE = 1.5 (ULS)
 - SEISMIC HAZARD PARAMETER FOR TOWN OF EAST GWILLIMBURY $S_a(0.2) = 0.132$, $S_a(0.5) = 0.085$, $S_a(1.0) = 0.050$, $S_a(2.0) = 0.026$, $PGA = 0.081$
 - SITE CLASSIFICATION FOR SEISMIC SITE RESPONSE: CLASS = C

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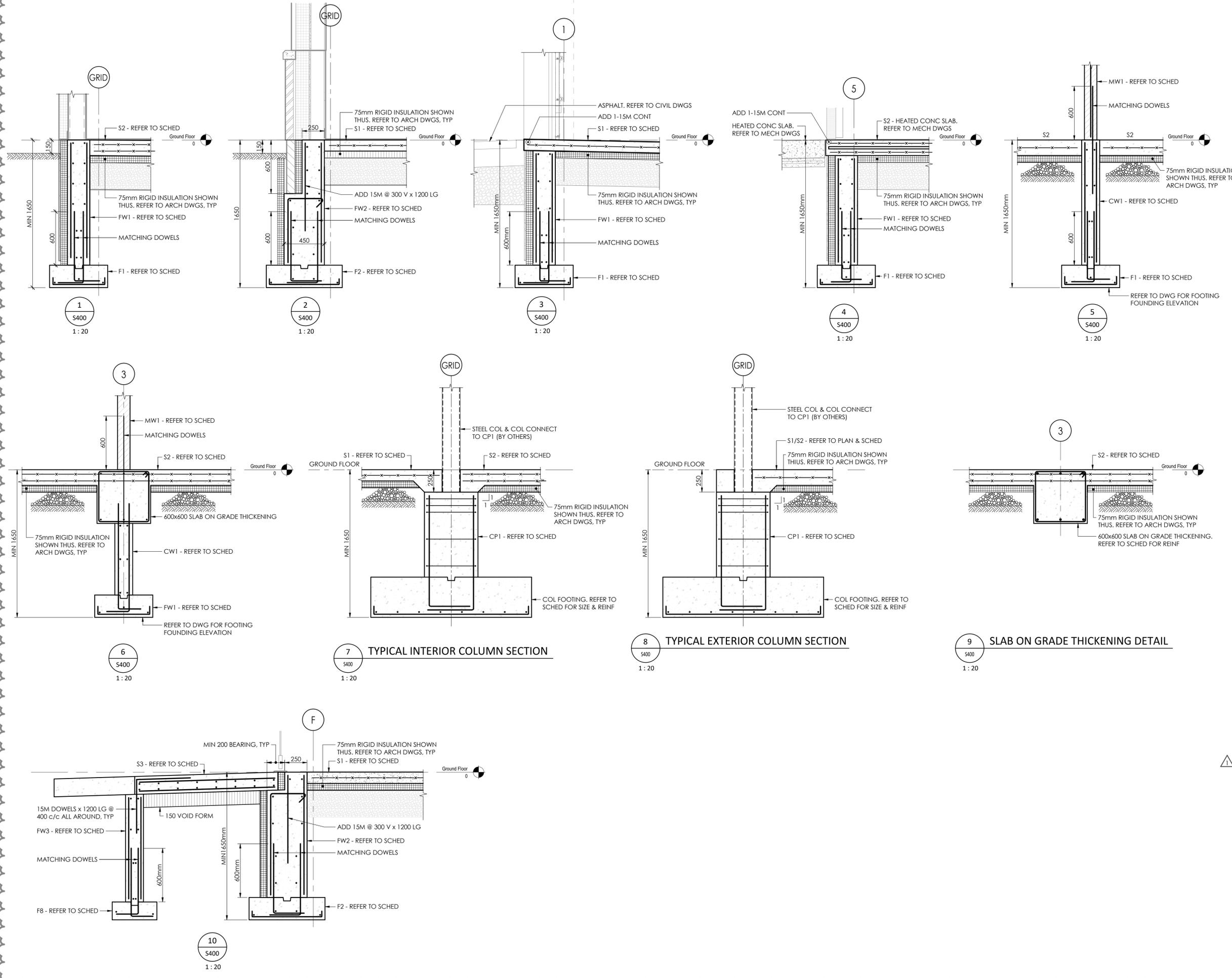


Sheet Title:

SECTIONS

Drawing No.

S400



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