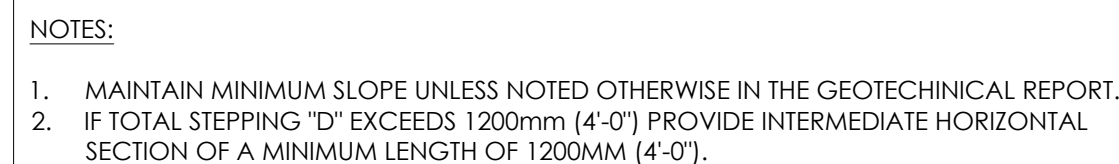


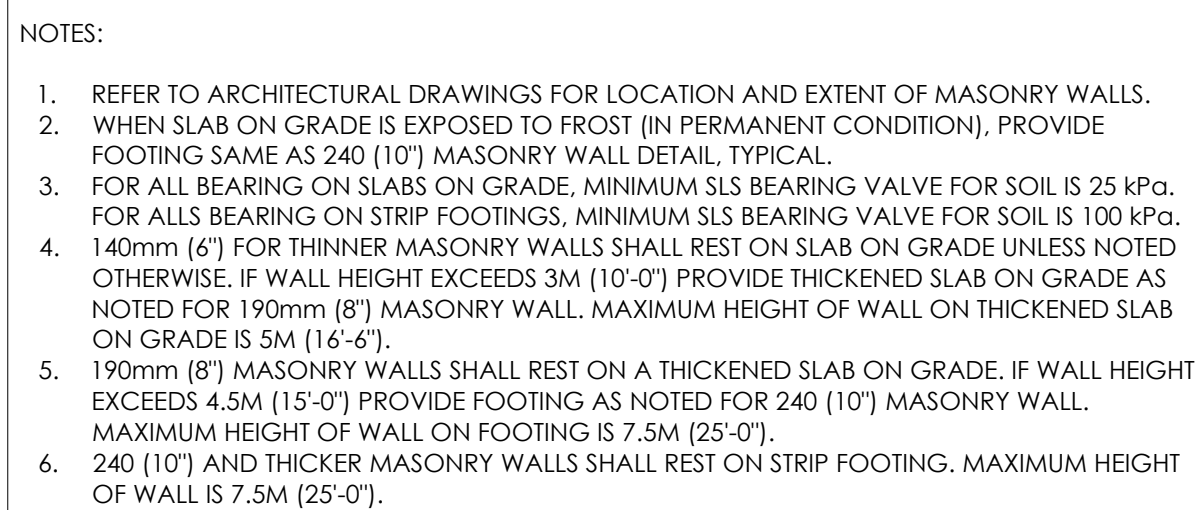
CF1	FOOTING UNDER STEEL COLUMN
-----	----------------------------



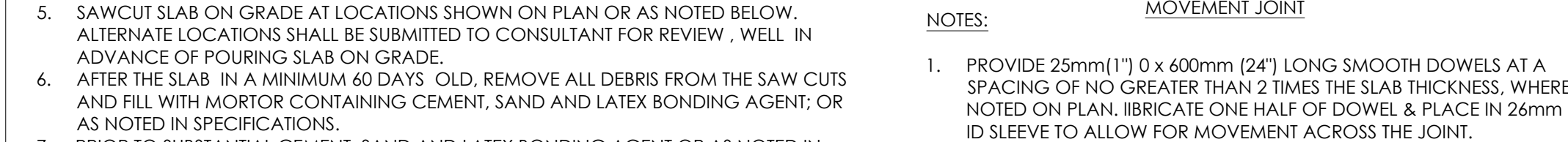
CF2	STEP DOWN FOOTING
-----	-------------------



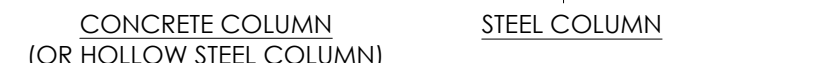
CF4	BACKFILL AROUND SERVICES BENEATH STRIP FOOTINGS
-----	---



CF5	NON-LOAD BEARING MASONRY WALL FOOTINGS
-----	--



CS1	JOINTS IN SLAB ON GRADE
-----	-------------------------



Parkin Architects Limited
1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7 416-467-8000



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:



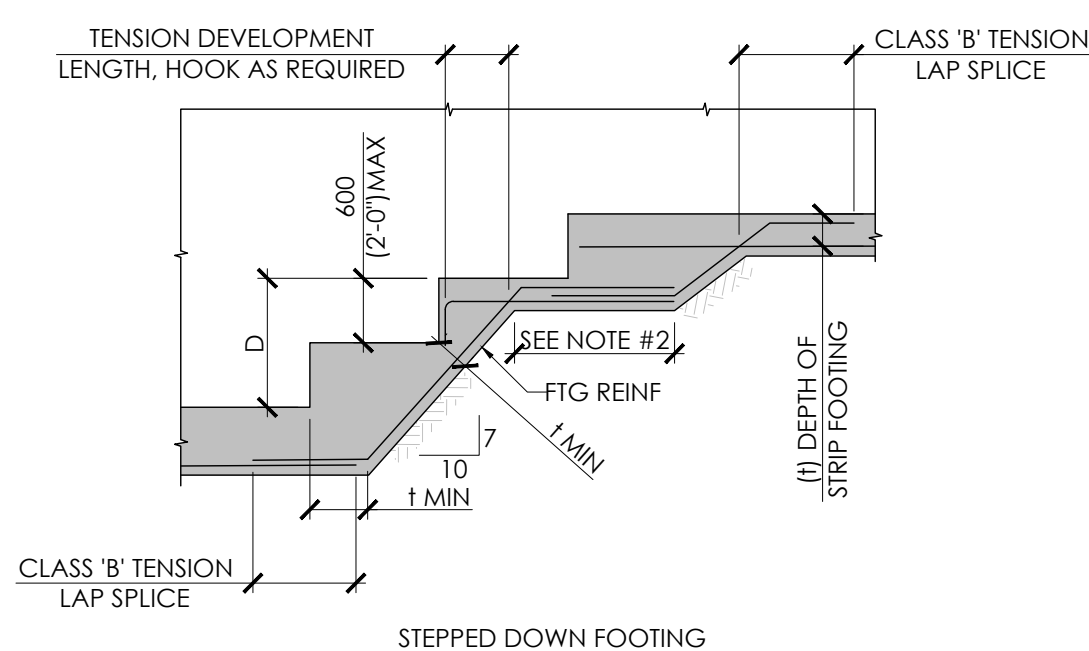
Sheet Title

TYPICAL DETAILS

Drawing No.

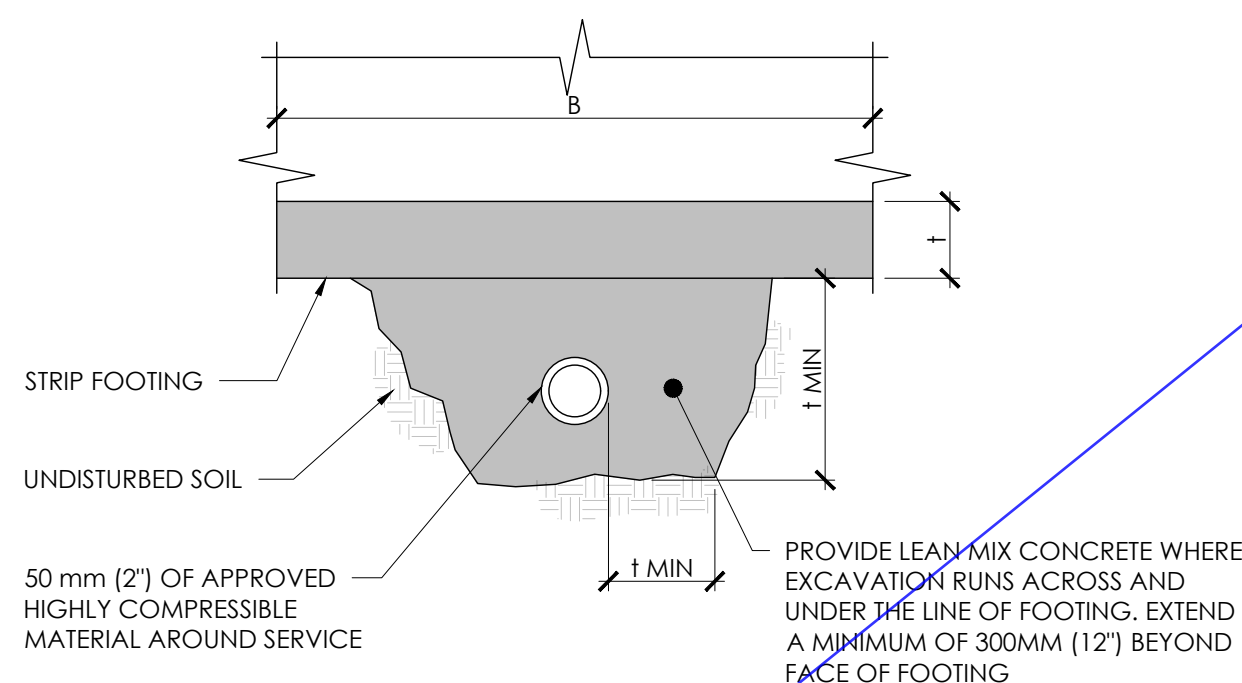
S010

CF1	FOOTING UNDER STEEL COLUMN
-----	----------------------------



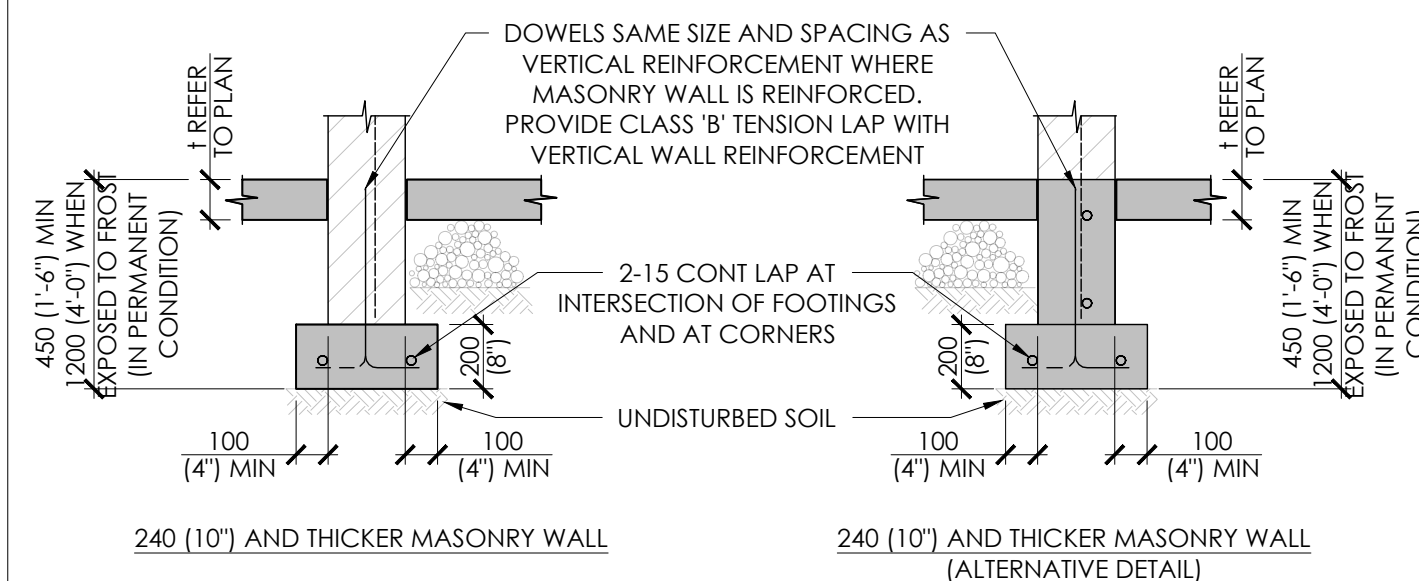
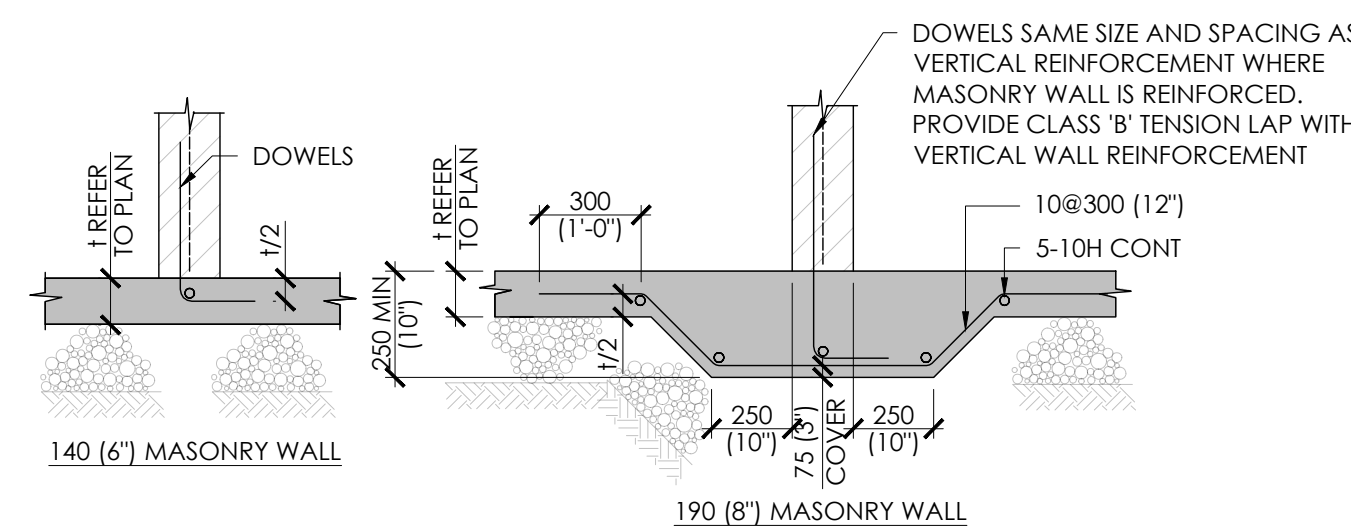
- NOTES:
1. MAINTAIN MINIMUM SLOPE UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT.
 2. IF TOTAL STEPPING "D" EXCEEDS 1200mm (4'-0") PROVIDE INTERMEDIATE HORIZONTAL SECTION OF A MINIMUM LENGTH OF 1200MM (4'-0").

CF2	STEP DOWN FOOTING
-----	-------------------



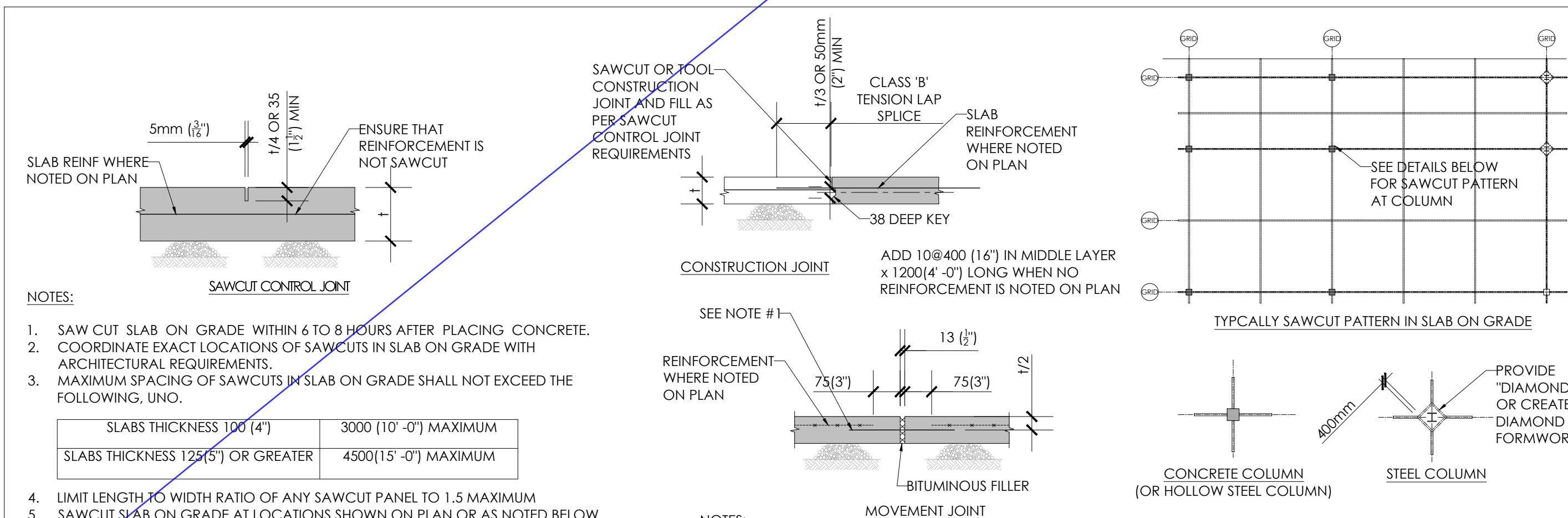
- NOTES:
1. UNDERGROUND SERVICES TO BE INSTALLED PRIOR TO CONSTRUCTION OF STRIP FOOTING ABOVE.

CF4	BACKFILL AROUND SERVICES BENEATH STRIP FOOTINGS.
-----	--



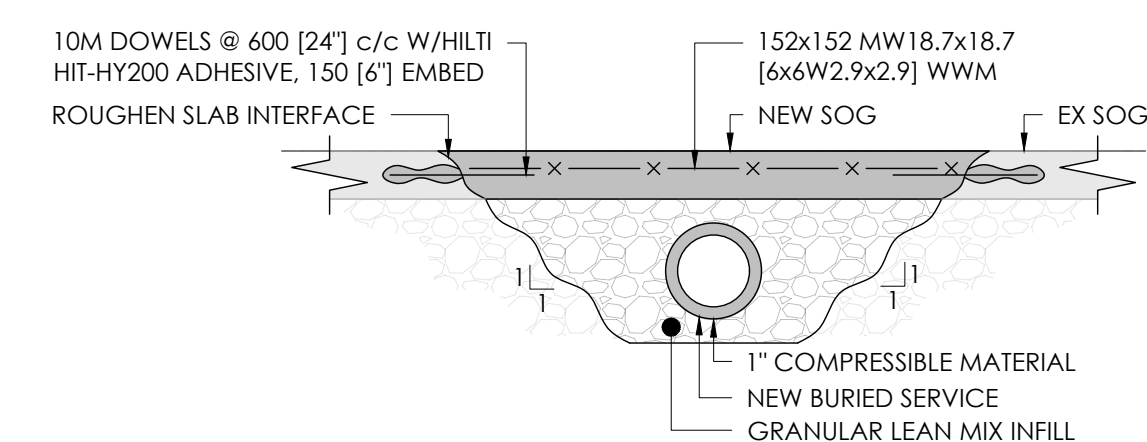
- NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF MASONRY WALLS.
 2. WHEN SLAB ON GRADE IS EXPOSED TO FROST (IN PERMANENT CONDITION), PROVIDE FOOTING SAME AS 240 (10") MASONRY WALL DETAIL, TYPICAL.
 3. FOR ALL BEARING ON SLABS ON GRADE, MAXIMUM SLS BEARING VALVE FOR SOIL IS 25 KPS. FOR ALL BEARING ON STRIP FOOTINGS, MINIMUM SLS BEARING VALVE FOR SOIL IS 100 KPS.
 4. 140mm (6") FOR THINNER MASONRY WALLS SHALL REST ON SLAB ON GRADE UNLESS NOTED OTHERWISE. IF WALL HEIGHT EXCEEDS 3M (10'-0") PROVIDE THICKENED SLAB ON GRADE AS NOTED FOR 190mm (8") MASONRY WALL. MAXIMUM HEIGHT OF WALL ON THICKENED SLAB ON GRADE IS 5M (16'-6").
 5. 190mm (8") MASONRY WALLS SHALL REST ON A THICKENED SLAB ON GRADE. IF WALL HEIGHT EXCEEDS 4.5M (14'-9") PROVIDE FOOTING AS NOTED FOR 240 (10") MASONRY WALL. MAXIMUM HEIGHT OF WALL ON FOOTING IS 7.5M (25'-0").
 6. 240 (10") AND THICKER MASONRY WALLS SHALL REST ON STRIP FOOTING. MAXIMUM HEIGHT OF WALL IS 7.5M (25'-0").

CF5 NON-LOAD BEARING MASONRY WALL FOOTINGS

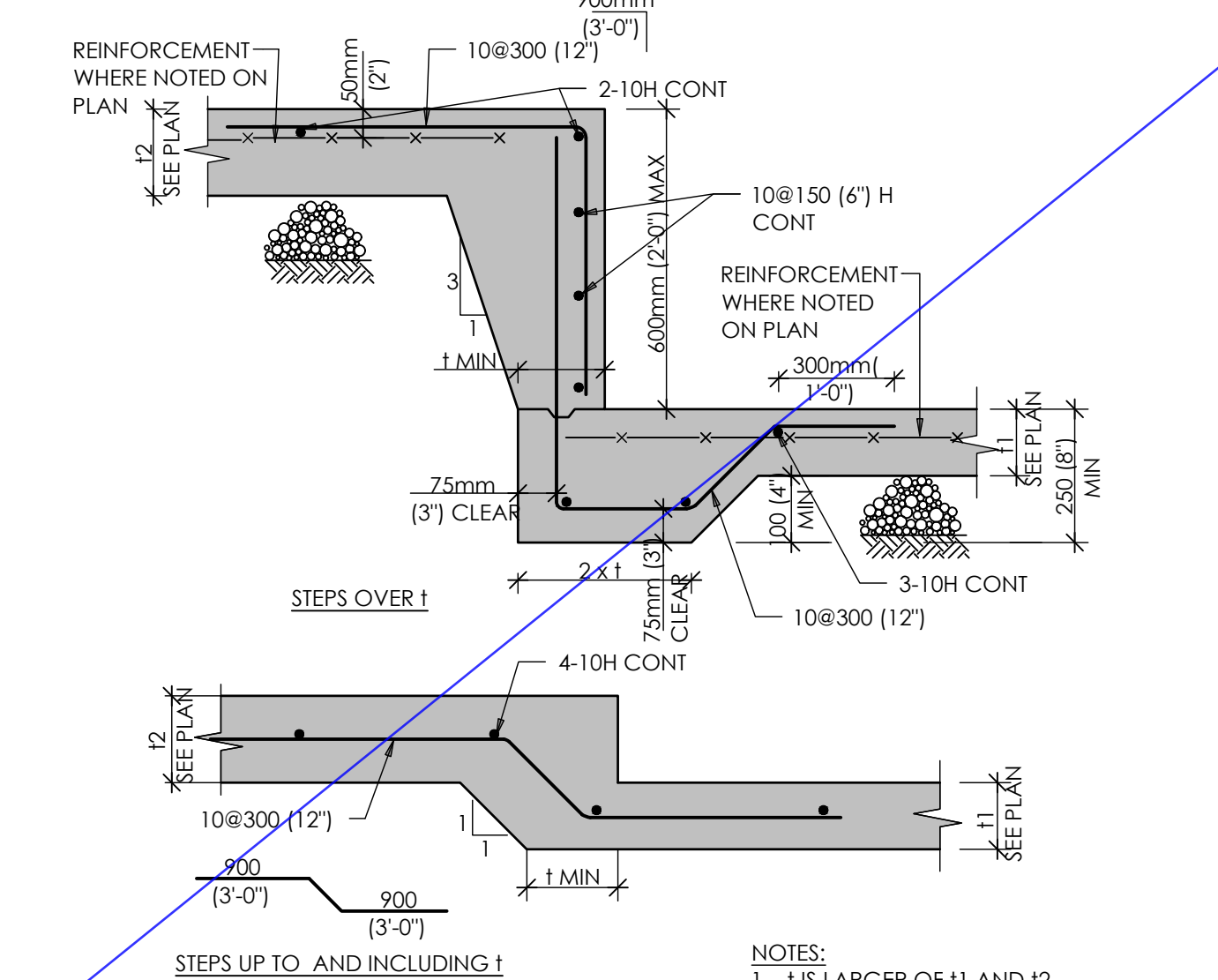
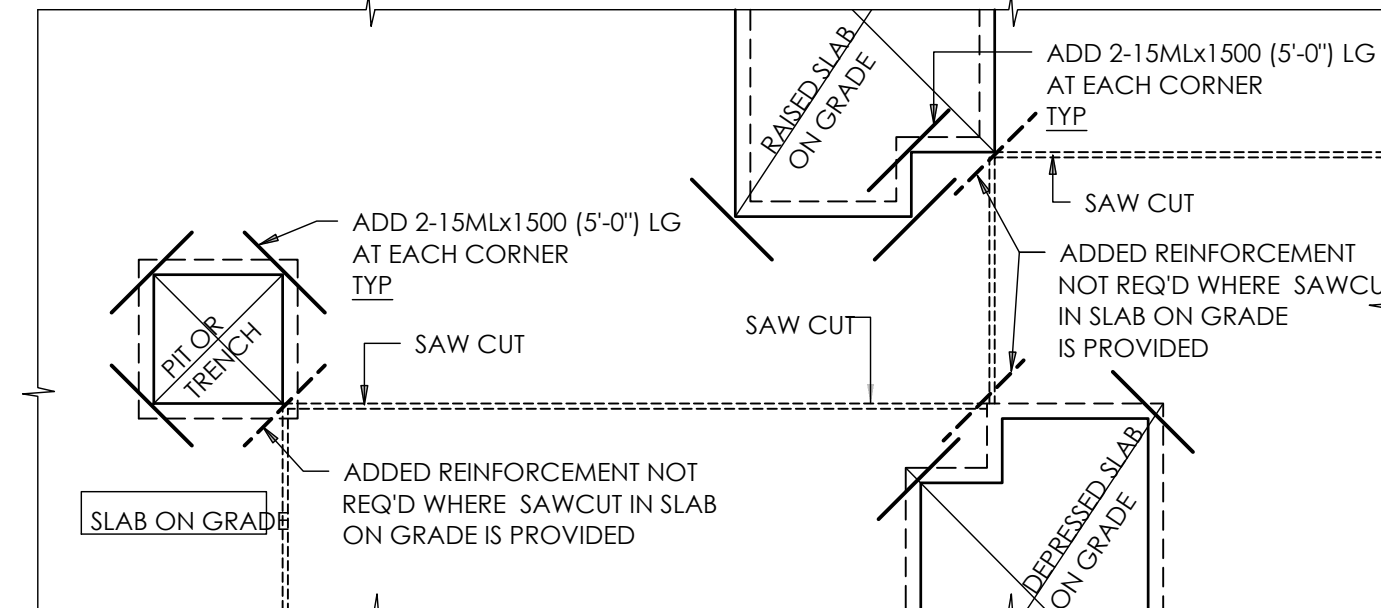


6. ADVANCE OF POURING SLAB ON GRADE.
 7. AFTER THE SLAB IN A MINIMUM 60 DAYS' OLD, REMOVE ALL DEBRIS FROM THE SAW CUTS AND FILL WITH MORTAR CONTAINING CEMENT, SAND AND LATEX BONDING AGENT; OR AS NOTED IN SPECIFICATIONS.
 7. PRIOR TO SUBSTANTIAL CEMENT, SAND AND LATEX BONDING AGENT OR AS NOTED IN SPECIFICATIONS.
1. PROVIDE 25mm(1") 0 x 600mm (24") LONG SMOOTH DOWELS AT A SPACING OF NO GREATER THAN 2 TIMES THE SLAB THICKNESS, WHERE NOTED ON PLAN, LIBRATE ONE HALF OF DOWEL & PLACE IN 26mm ID SLEEVE TO ALLOW FOR MOVEMENT ACROSS THE JOINT.

CS1 JOINTS IN SLAB ON GRADE

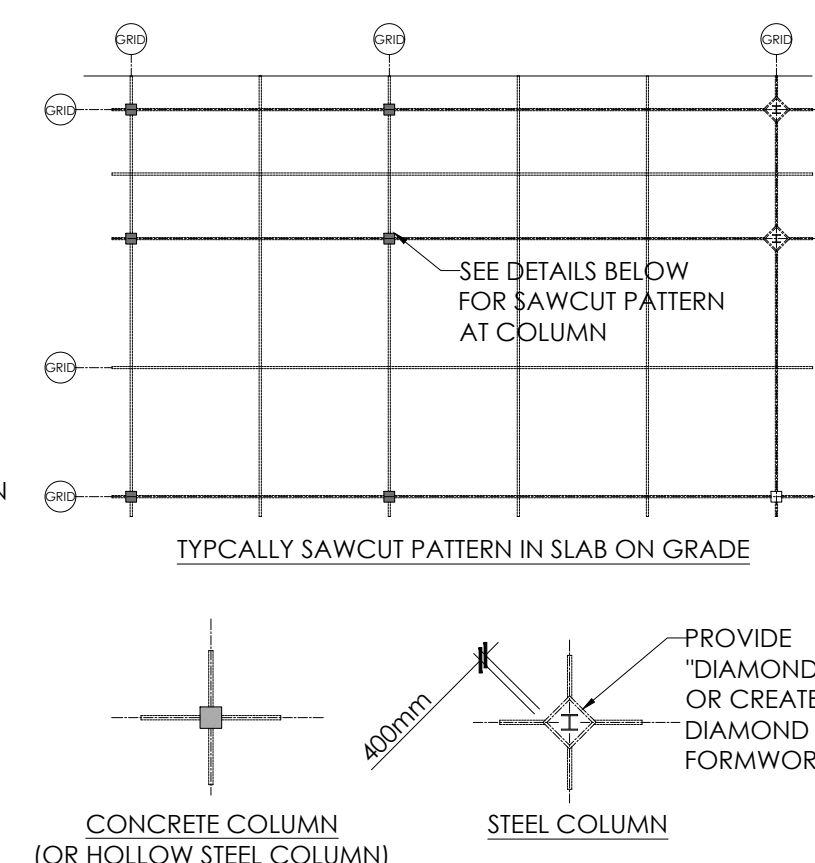


CS2	SLAB ON GRADE TRENCHING
-----	-------------------------



- NOTES:
1. \uparrow IS LARGER OF \uparrow_1 AND \uparrow_2

CS7	REINFORCEMENT AT STEPS IN SLAB ON GRADE
-----	---



CONCRETE COLUMN
(OR HOLLOW STEEL COLUMN)

YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

Key
Plan

[illegible]

Issue

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
Checked by: W.PETER
Original Issue Date: 2024.07.30
Project No: 24.065
Scale:

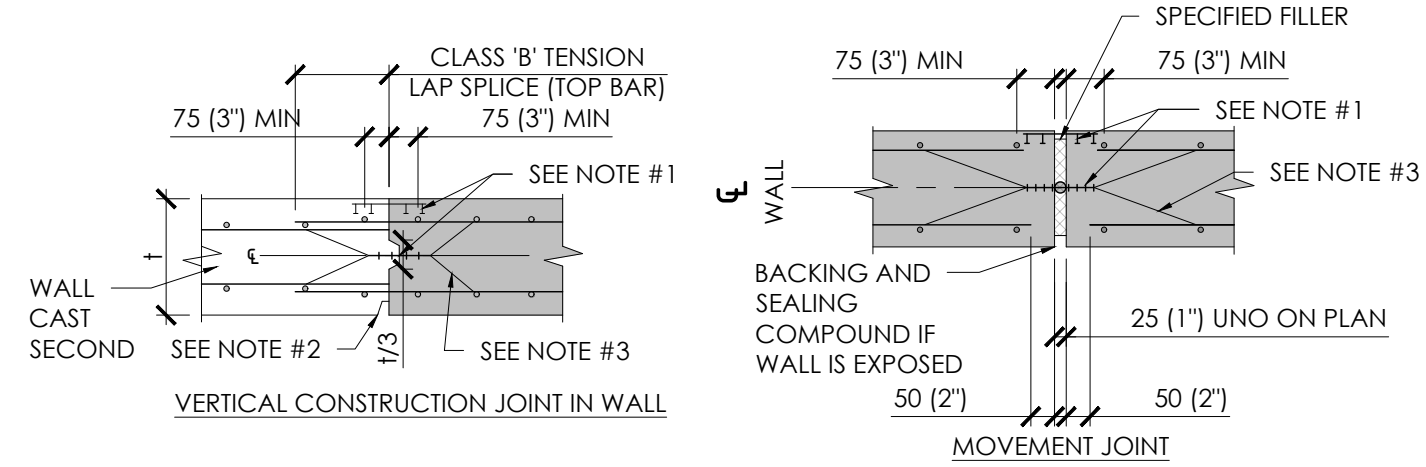


Sheet
Title:

TYPICAL DETAILS

Drawing
No.

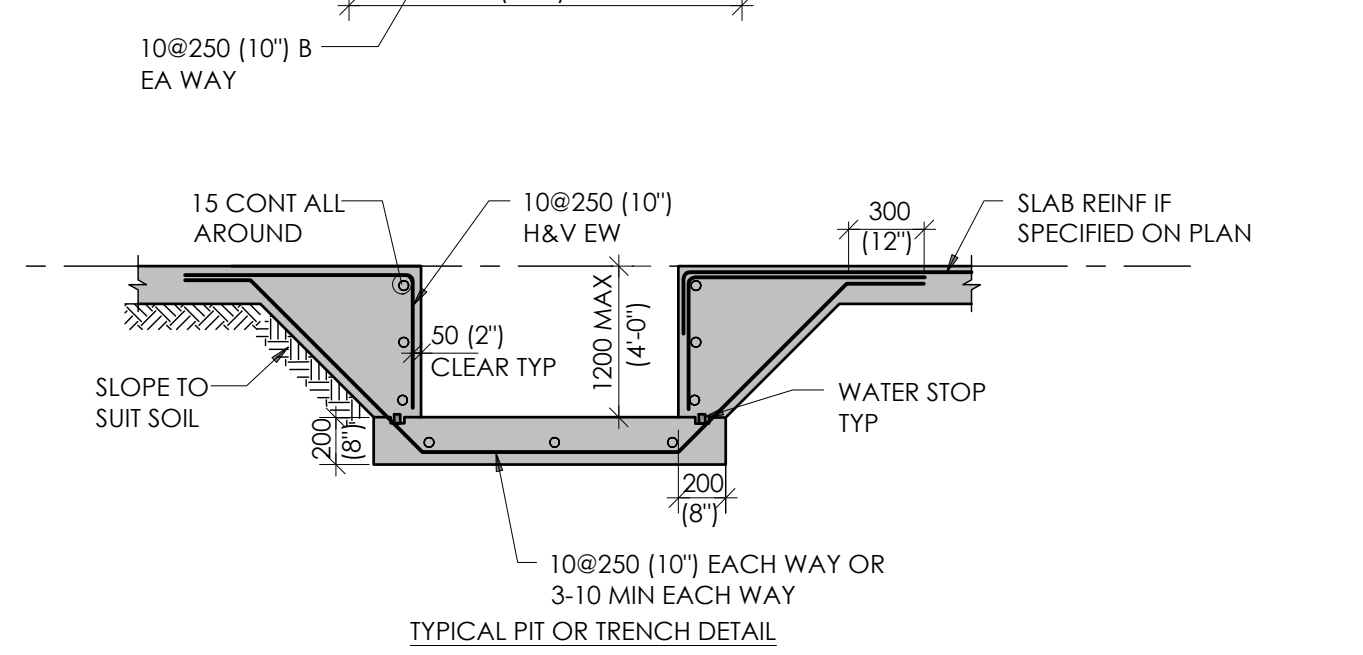
S010



NOTES:

1. PROVIDE INTERNAL OR EXTERNAL WATERSTOP FOR WALL RETAINING SOIL AND INTERNAL WATERSTOP FOR WALLS.
2. PROVIDE 20x20 (3/4" x 3/4") REGLET IN WALLS EXPOSED TO VIEW, WHERE WALLS ARE DESIGNATED ARCHITECTURAL EXPOSED CONCRETE. REFER TO ARCH. DRAWINGS FOR REGLET DETAILS.
3. TIE WATERSTOP TO REINFORCEMENT AS REQUIRED TO ENSURE WATERSTOP IS NOT DISPLACED DURING CONCRETING.
4. STOP EVERY OTHER HORIZONTAL BAR 75mm (3") BACK FROM JOINT EACH SIDE, EXCEPT CONTINUOUS TOP AND BOTTOM REINFORCEMENT, TYPICAL.
5. MAXIMUM SPACING OF VERTICAL CONTROL JOINTS SHALL BE 4500mm (15'-0") U/N. REFER TO PLAN FOR LOCATION.
6. DO NOT PROVIDE VERTICAL JOINTS IN WALLS WHICH SPAN HORIZONTALLY.
7. FOR WALLS SUPPORTED ON CAISSONS OR PIER FOOTING, CONSTRUCTION JOINTS ARE TO BE PLACED AT MIDSPAN OF WALL.
8. JOINTS ARE TO BE LOCATED MINIMUM OF 1200mm (4'-0") FROM ANY PENETRATION OR OPENING THROUGH THE WALL.

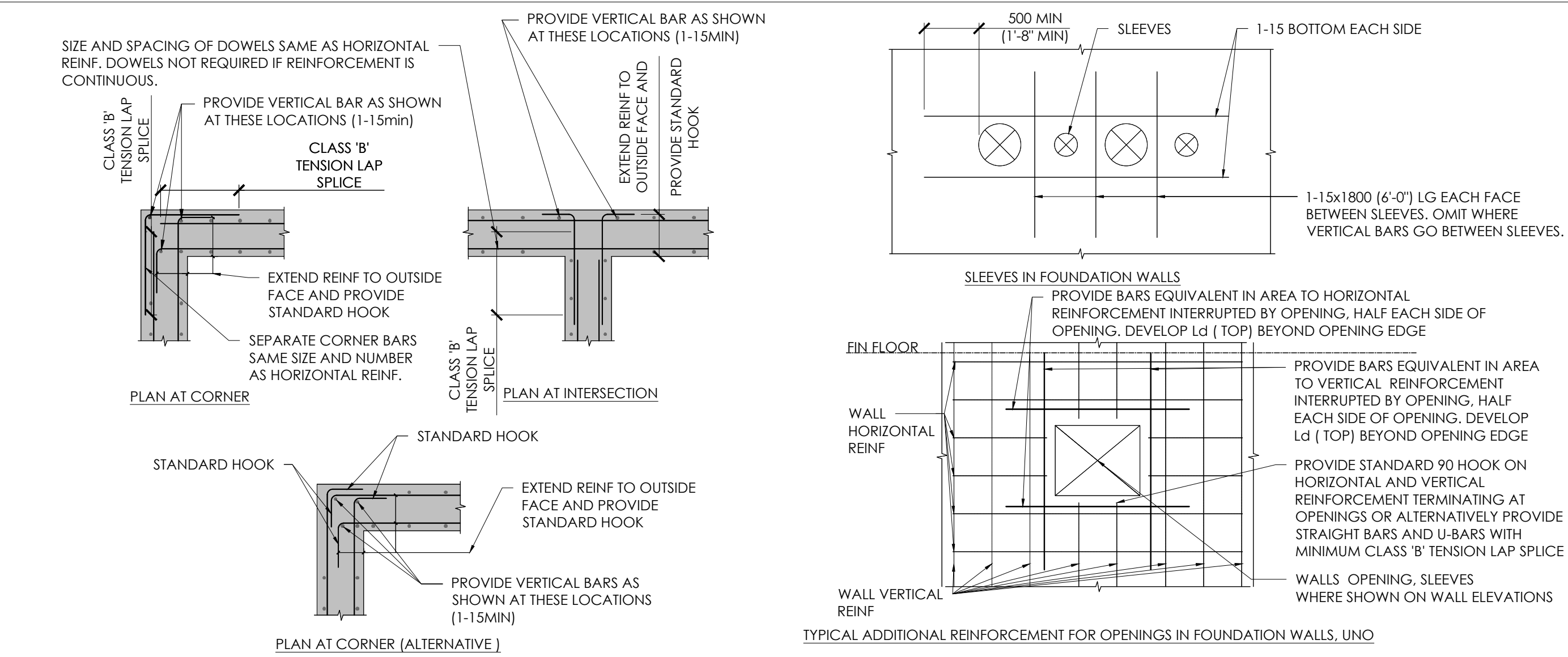
CW1	VERTICAL JOINTS IN CONCRETE WALLS
-----	-----------------------------------




NOTES:

1. THE USE OF PRECAST PIS IS ACCEPTABLE PROVIDED THEY ARE SUPPLIED WITH A CONCRETE BASE AND ARE DESIGNED TO RESIST LOADS IDENTIFIED IN THE DESIGN NOTES.
2. PROVIDE RECESS OR CAST IN ANGLES TO RECEIVE GRATING OR PIT COVER AS PER ARCHITECTURAL DRAWINGS, TYPICAL.

PT1	PITS AND TRENCHES
-----	-------------------



CW2	REINFORCEMENT DETAILS IN CONCRETE FOUNDATION WALLS
-----	--

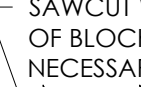
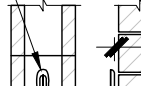
PRE-CAST CONCRETE LINTELS								
CLEAR SPAN	WALL THICKNESS						NOTES	
	90 (4")	140 (6")	190 (8")	240 (10")	290 (12")			
UP TO 1200 (4'-0")	190 (8")	1-10	190 (8")	2-10	190 (8")	2-10	190 (8")	<div>1. PROVIDE REINF LISTED BOTH TOP AND BOTTOM</div> <div></div>
> 1200 TO 1800 (> 4'-0" TO 6'-0")	190 (8")	190 (8")	190 (8")	2-10	190 (8")	2-10	190 (8")	
> 1800 TO 2400 (> 6'-0" TO 8'-0")	-	-	190 (8")	2-10	190 (8")	2-15	190 (8")	
> 2400 TO 3000 (> 8'-0" TO 10'-0")	-	-	190 (8")	2-10	190 (8")	2-10	190 (8")	

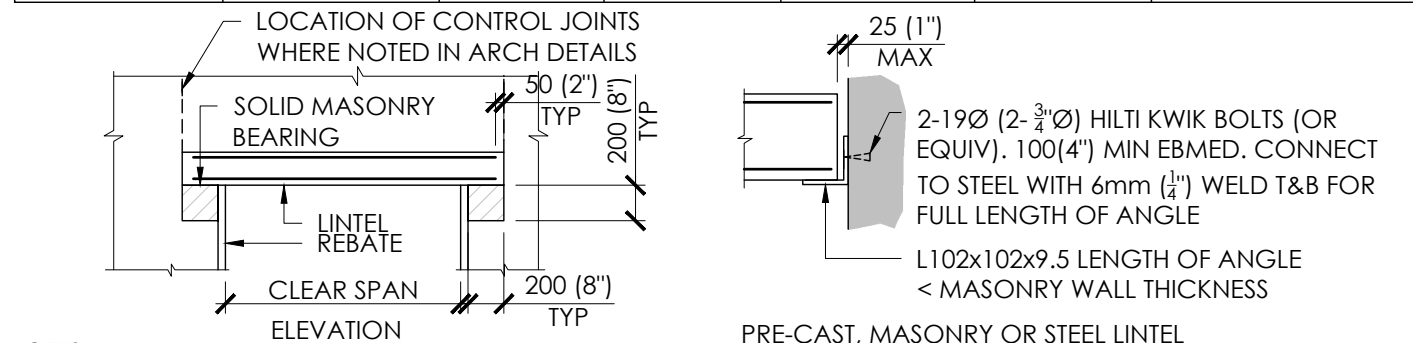
MASONRY LINELTS										
CLEAR SPAN	TOP AND BOTTOM REINFORCEMENT								NOTES	
	90 (4")		140 (6")		190 (8")		240 (10")			
	h	As	h	As	h	As	h	As	h	As
UP TO 1200 (4'-0")	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10
> 1200 TO 1800 (4'-0" TO 6'-0")	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10
> 1800 TO 2400 (6'-0" TO 8'-0")	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-15
> 2400 TO 3000 (8'-0" TO 10'-0")	-	-	$\frac{390}{16}$	1-10	$\frac{390}{16}$	1-15	$\frac{390}{16}$	1-15	$\frac{390}{16}$	1-15

1. PROVIDE REINF LISTED BOTH TOP AND BOTTOM.

2. PROVIDE LINELT BLOCK (2' x 8" x 16" x 8"). GROUT IS TO BE CONTINUOUS ALONG SPAN OF LINELT.

SECTION

STEEL LINTELS						NOTES
CLEAR SPAN	WALL THICKNESS					
	90 (4") VENEER	140 (6")	190 (8")	1202 (7'6")	290 (12")	 <p>SAWCUT WEB OF BLOCK, AS NECESSARY</p> <p>25</p>
UP TO 1200 (4'-0")	1-L102x7'6x6.4 LH	2-L64x6x4x6.4	2-L89x7'6x6.4	1-L102x7'6x6.4 1-L27x7'6x6.4	3-L89x7'6x6.4 LSH	
> 1200 TO 1800 (4'-0" TO 6'-0")	1-L102x7'6x6.4 LH	2-L64x6x4x6.4	2-L89x8'9x6.4	1-L102x7'6x6.4+ 1-L27x7'6x6.4	3-L89x8'9x6.4	
> 1800 TO 2400 (6'-0" TO 8'-0")	1-L102x102x6.4	2-L89x64x6.4	2-L89x8'9x6.4	1-L102x102x7.9+ 1-L27x7'6x6.4	3-L89x8'9x6.4	
> 2400 TO 3000 (8'-0" TO 10'-0")	1-L152x102x7.9	-	2-L127x8'9x6.4	1-L102x102x7.9+ 1-L27x7'6x6.4	3-L127x8'9x6.4	
DETAIL	L	64 LEGS HORZ	89 LEGS HORZ	102 & 127 LEGS HORZ		 <p>90 VENEER LINTEL</p> <p>102</p>



NOTES:

1. REFER TO ARCH DWGS FOR THICKNESS AND EXTENT OF NON-LOAD BEARING MASONRY WALLS.
2. REFER TO ARCH DWGS FOR LOCATION AND TYPE OF LINTELS REQUIRED.
3. INCLUDE REBATES ADJACENT TO OPENING WHEN DETERMINING CLEAR SPAN OF LINTELS.
4. BOLT DOUBLE ANGLES BACK TO BACK USING 160 BOLTS @450 (18") c/c OR PROVIDE 6x50 (1½"x2") LONG WELDS @450 (18") c/c TOP AND BOTTOM. DISTANCE FORM END OF LINTEL TO FIRST BOLT OR WELD SHOULD NOT EXCEED 100mm (4").
5. 90 VENEER MUST BE SOLID BRICK OR BLOCK FOR SINGLE ANGLE LINTEL.

LT8	LINTELS FOR NON-LOAD BEARING MASONRY WALLS
-----	--

Parkin Architects Limited
1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7 416-467-8000



133 Richmond St W, Suite 302
Toronto, ON M5H 2L3
647-933-7520

YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan

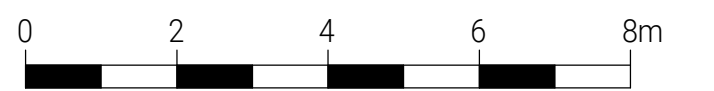
[illegible]

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:

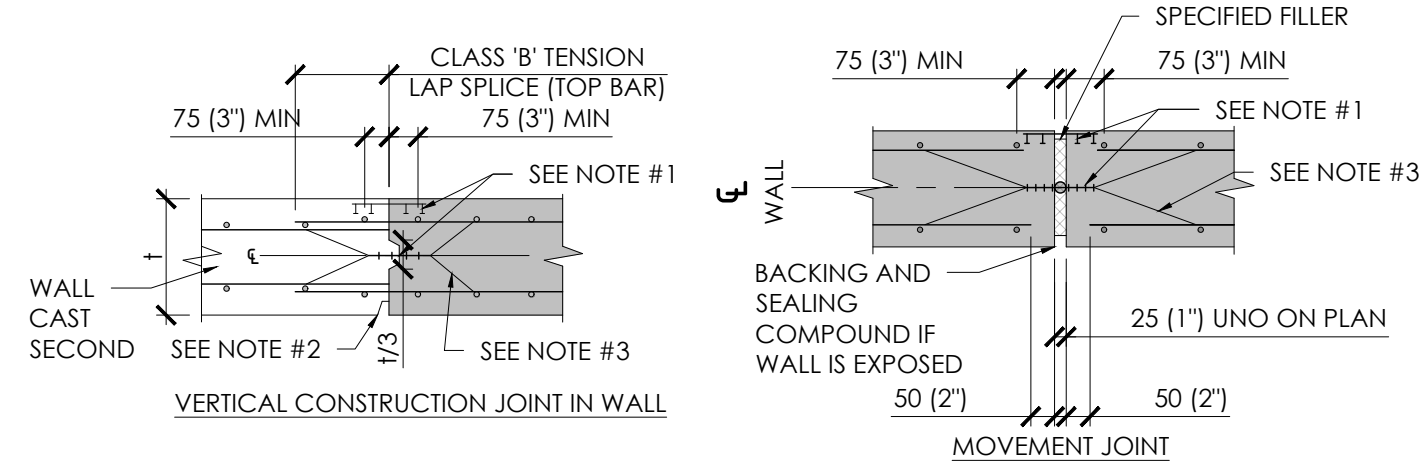


Sheet Title:

TYPICAL DETAILS

Drawing No.

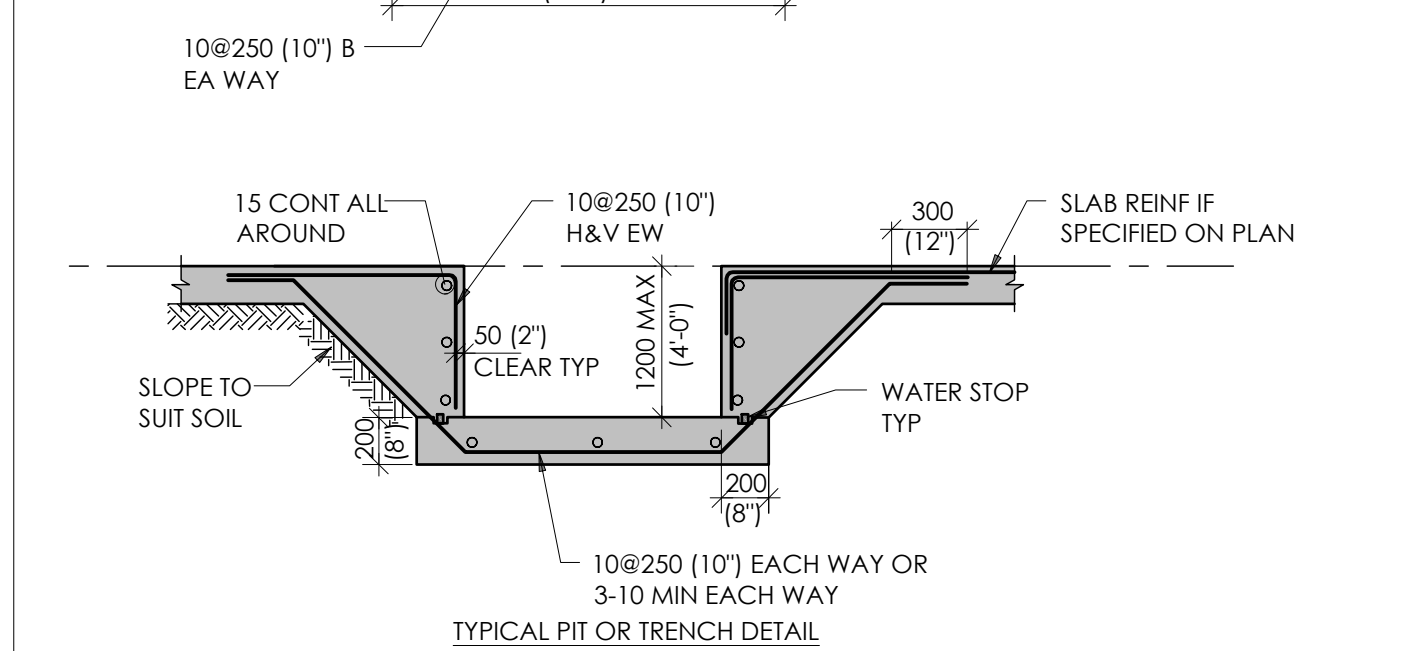
S011



NOTES:

1. PROVIDE INTERNAL OR EXTERNAL WATERSTOP FOR WALL RETAINING SOIL AND INTERNAL WATERSTOP FOR WALLS.
2. PROVIDE 20x20 (3/4" x 3/4") REGLET IN WALLS EXPOSED TO VIEW, WHERE WALLS ARE DESIGNATED ARCHITECTURAL EXPOSED CONCRETE. REFER TO ARCH. DRAWINGS FOR REGLET DETAILS.
3. TIE WATERSTOP TO REINFORCEMENT AS REQUIRED TO ENSURE WATERSTOP IS NOT DISPLACED DURING CONCRETING.
4. STOP EVERY OTHER HORIZONTAL BAR 75mm (3") BACK FROM JOINT EACH SIDE, EXCEPT CONTINUOUS TOP AND BOTTOM REINFORCEMENT, TYPICAL.
5. MAXIMUM SPACING OF VERTICAL CONTROL JOINTS SHALL BE 4500mm (15'-0") U/N. REFER TO PLAN FOR LOCATION.
6. DO NOT PROVIDE VERTICAL JOINTS IN WALLS WHICH SPAN HORIZONTALLY.
7. FOR WALLS SUPPORTED ON CAISSONS OR PIER FOOTING, CONSTRUCTION JOINTS ARE TO BE PLACED AT MIDSPAN OF WALL.
8. JOINTS ARE TO BE LOCATED MINIMUM OF 1200mm (4'-0") FROM ANY PENETRATION OR OPENING THROUGH THE WALL.

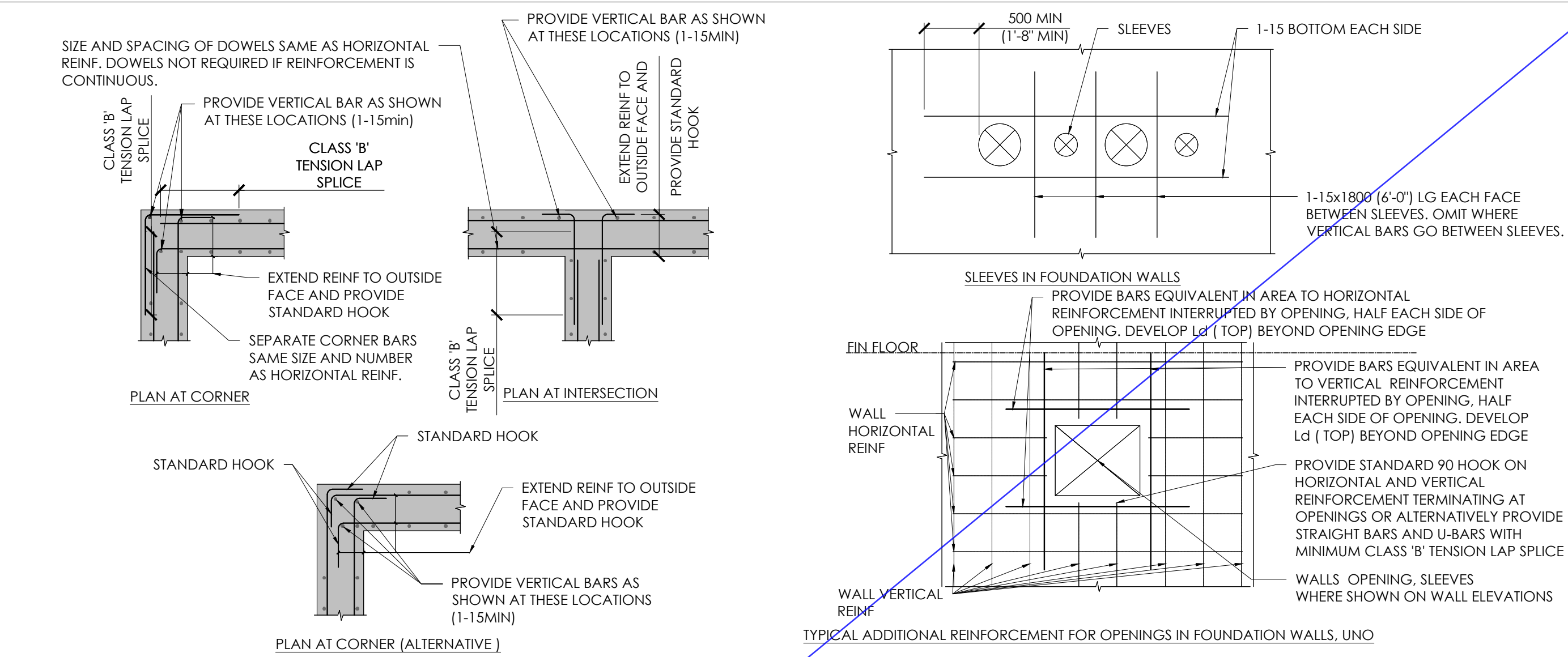
CW1	VERTICAL JOINTS IN CONCRETE WALLS
-----	-----------------------------------



NOTES:

1. THE USE OF PRECAST PITS IS ACCEPTABLE PROVIDED THEY ARE SUPPLIED WITH A CONCRETE BASE AND ARE DESIGNED TO RESIST LOADS IDENTIFIED IN THE DESIGN NOTES.
2. PROVIDE RECESS OR CAST IN ANGLES TO RECEIVE GRATING OR PIT COVER AS PER ARCHITECTURAL DRAWINGS, TYPICAL.

PT1	PITS AND TRENCHES
-----	-------------------



CW2	REINFORCEMENT DETAILS IN CONCRETE FOUNDATION WALLS
-----	--

YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan

[illegible]

Issue

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
Checked by: W.PETER
Original Issue Date: 2024.07.30
Project No: 24.065
Scale:

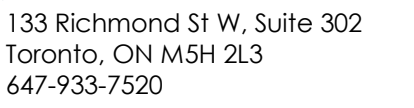


Sheet
Title:

TYPICAL DETAILS

Drawing
No.

S011



350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan

[illegible]

Issue

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: 2024.10.03
Project No: 24.065
Scale: 1 : 500

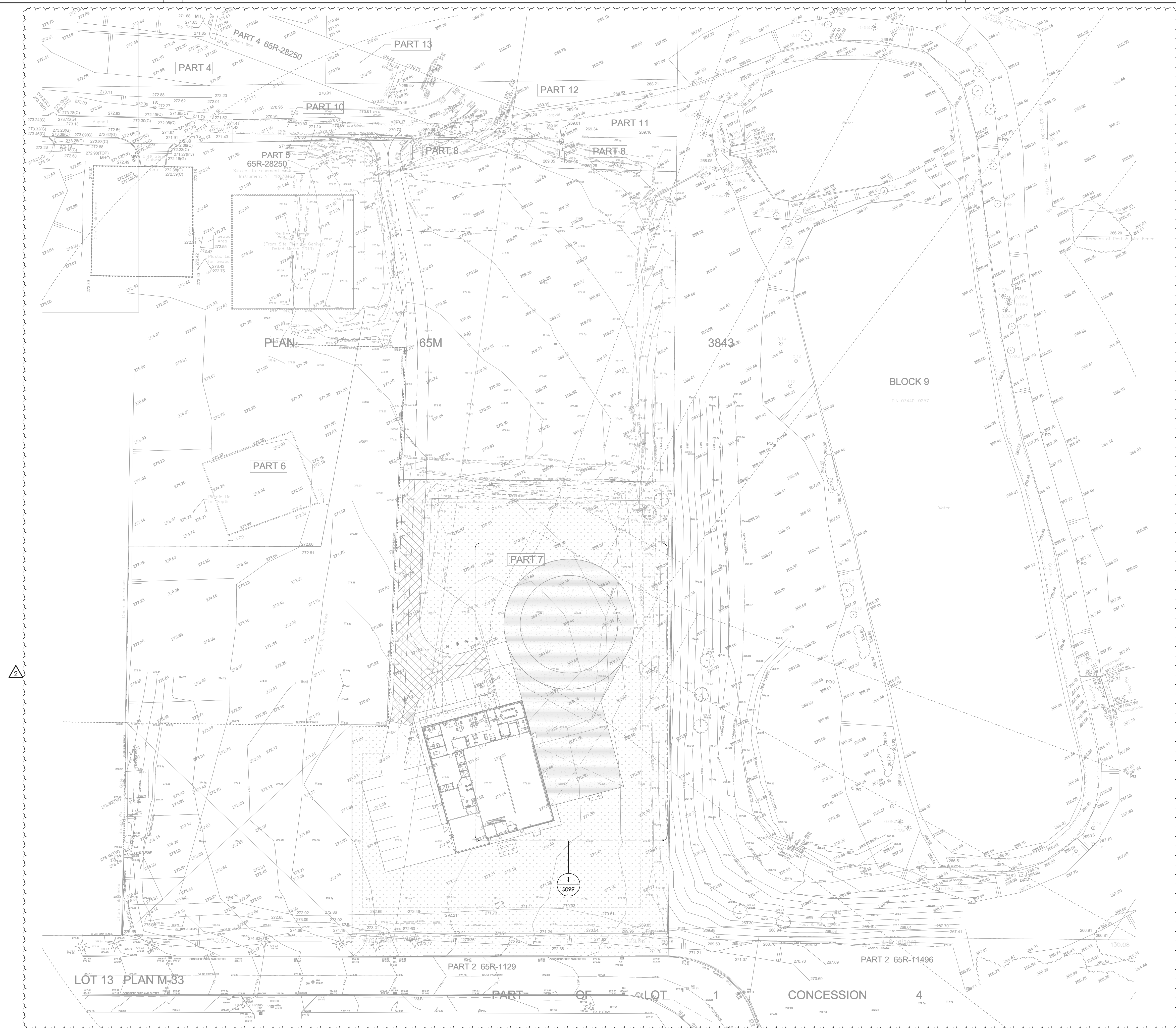


Sheet
Title:

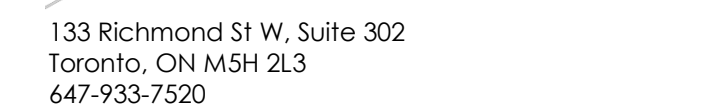
OVERALL SITE PLAN

Drawing
No.

S098



1 OVERALL SITE PLAN
5098
1 : 500



350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan

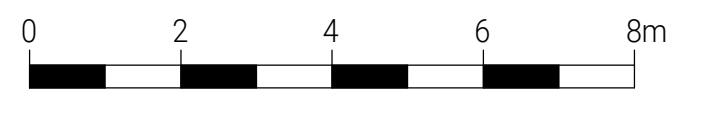
[illegible]

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: 1 : 500



Sheet Title:

OVERALL SITE PLAN

Drawing No.

S098

1 OVERALL SITE PLAN
5098
1 : 500

350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

[illegible]

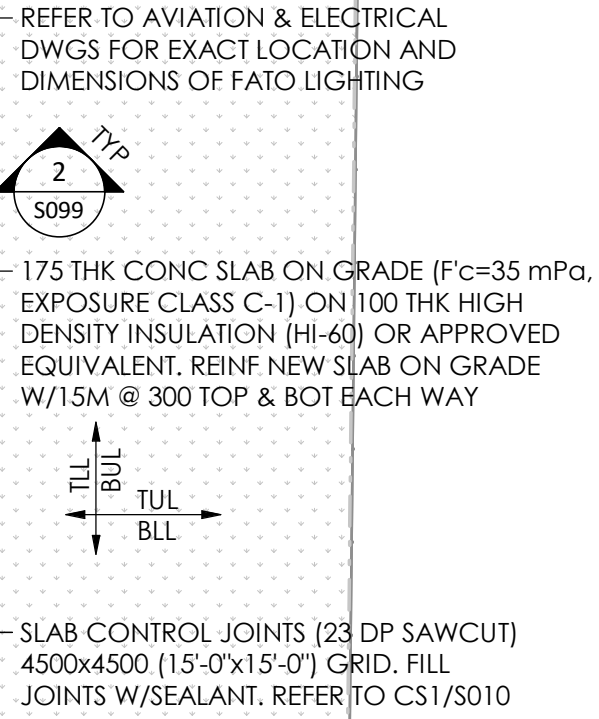
All measurements are to be checked and verified on site by the contractor before proceeding with work

Drawn by: R.RASALINGAM / S.SHUM
Checked by: W.PETER
Original Issue Date: 2024.10.03
Project No: 24.065
Scale: As indicated



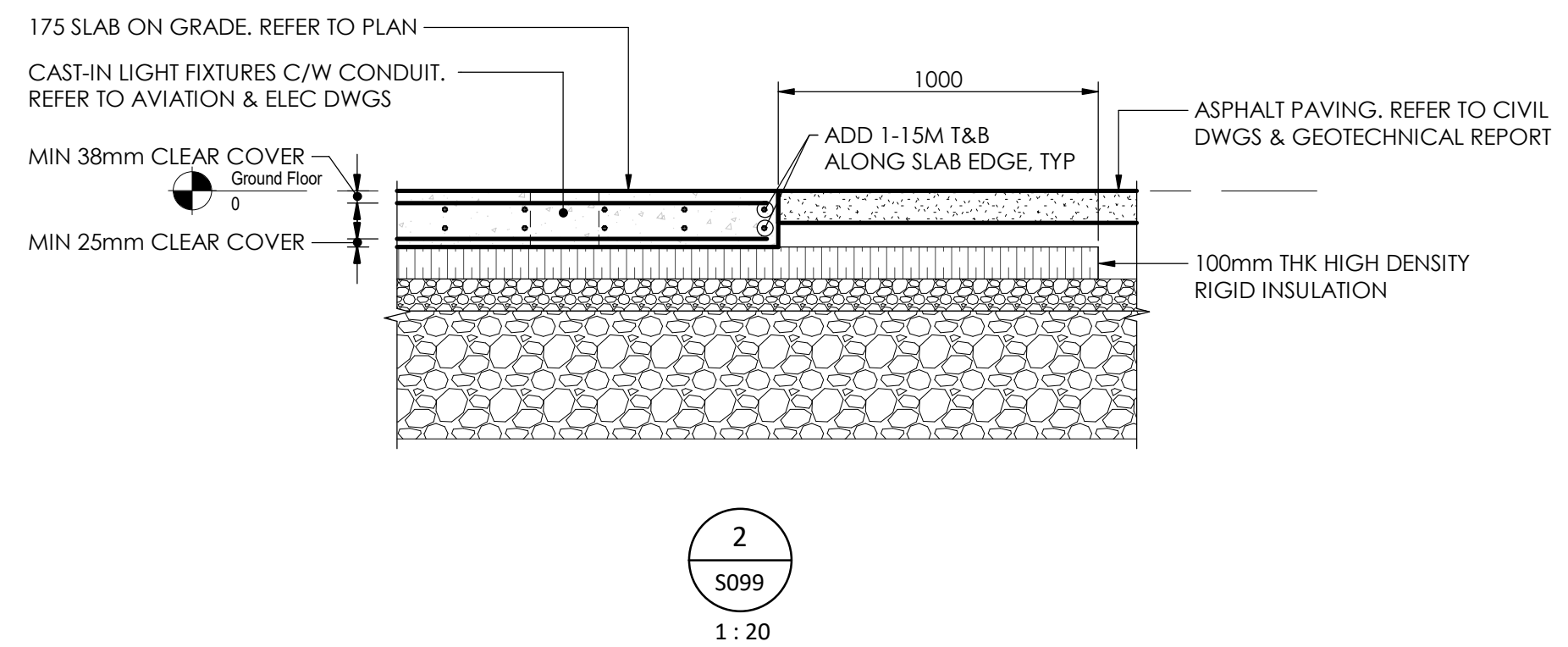
ENLARGED SITE PLAN

S099

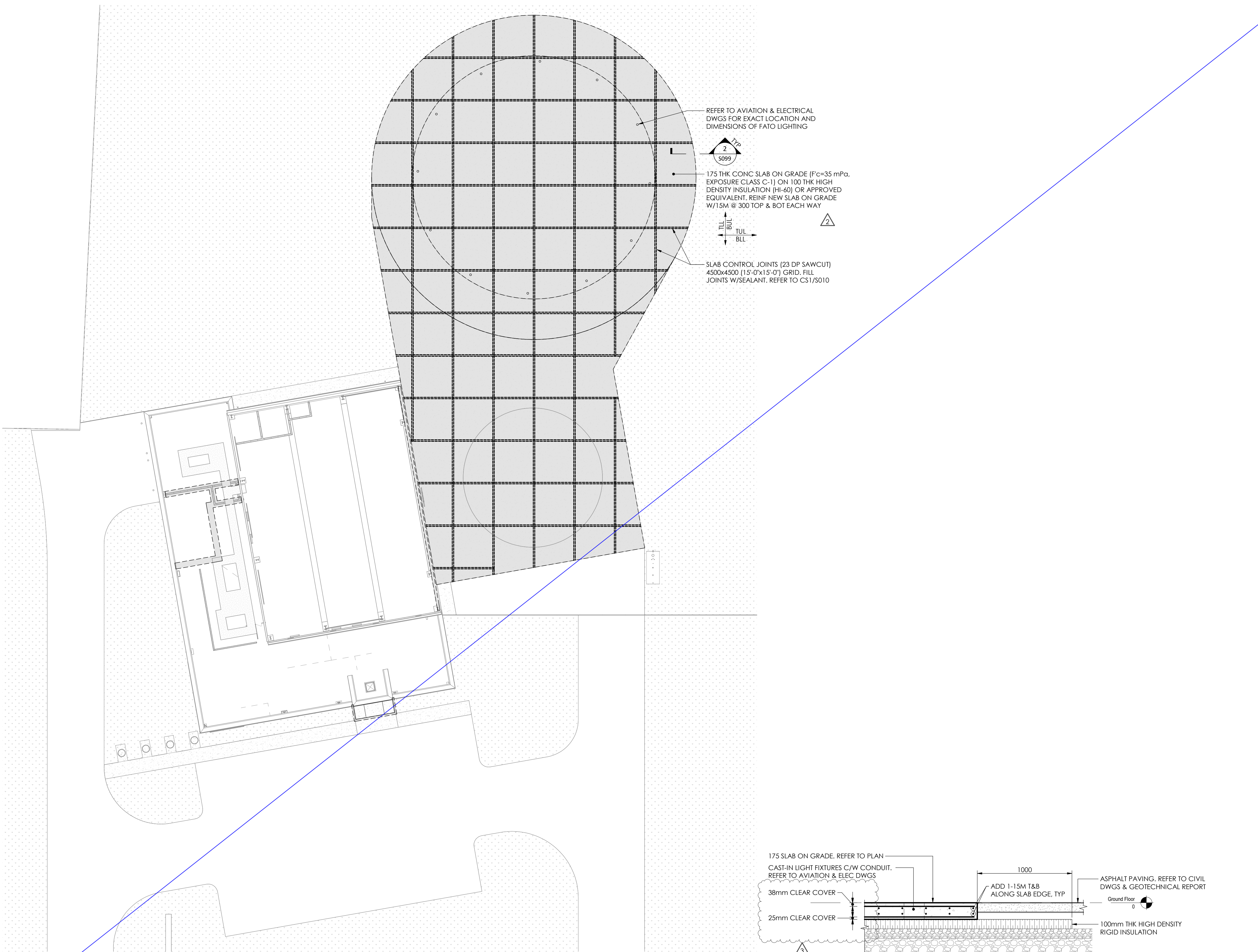


1 SITE PLAN
5099
1 : 200

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.



10/9/2024 9:17:43 AM
Autodesk Docs://2402 - YRP Helicopter Hanger/s-yrp-pd_building_R24.rvt



1 SITE PLAN
S099
1 : 200

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

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

175 THK CONC SLAB ON GRADE ($F_c=35$ mPa,
EXPOSURE CLASS C-1) 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

175 SLAB ON GRADE. REFER TO PLAN
CAST-IN LIGHT FIXTURES C/W CONDUIT.
REFER TO AVIATION & ELEC DWGS

38mm CLEAR COVER

25mm CLEAR COVER

ADD 1-15M T&B
ALONG SLAB EDGE, TYP

ASPHALT PAVING. REFER TO CIVIL
DWGS & GEOTECHNICAL REPORT

Ground Floor

100mm THK HIGH DENSITY
RIGID INSULATION

2
S099
1 : 20

PARKIN

Parkin Architects Limited
1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7 416-467-8000

HONEYCOMB

133 Richmond St W, Suite 302
Toronto, ON M5H 2L3
647-933-7520

YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan



NO.	ISSUED	DATE
3	Issued for Tender Addendum 7	2024.10.03
2	Issued for Tender Addendum 2	2024.09.18
1	Issued for Tender Addendum 1	2024.09.16

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: 2024.10.03
Project No: 24.065
Scale: As indicated



Sheet Title:

ENLARGED SITE
PLAN

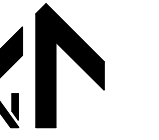
Drawing No.

S099

YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan



2	Issued for Tender Addendum 2	2024.09.18
1	Issued for Tender Addendum 1	2024.09.16
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: As indicated

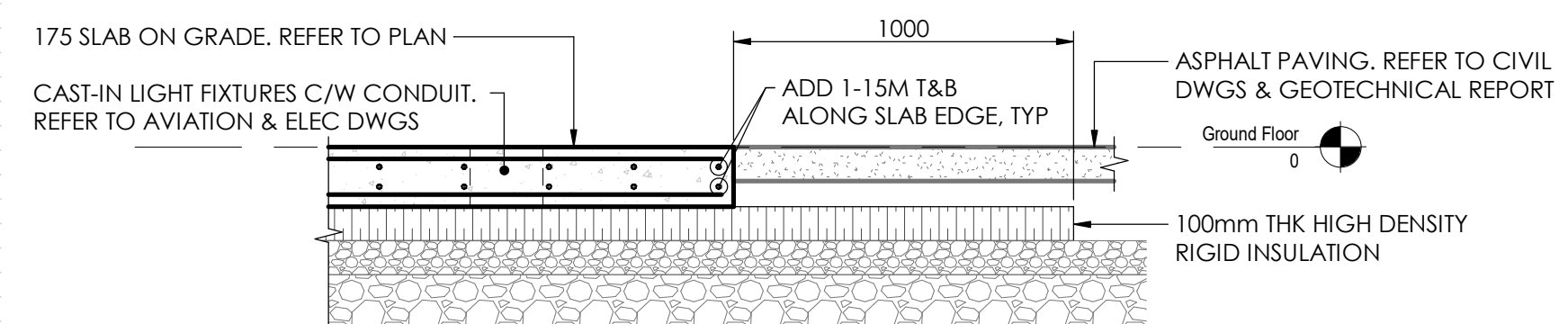
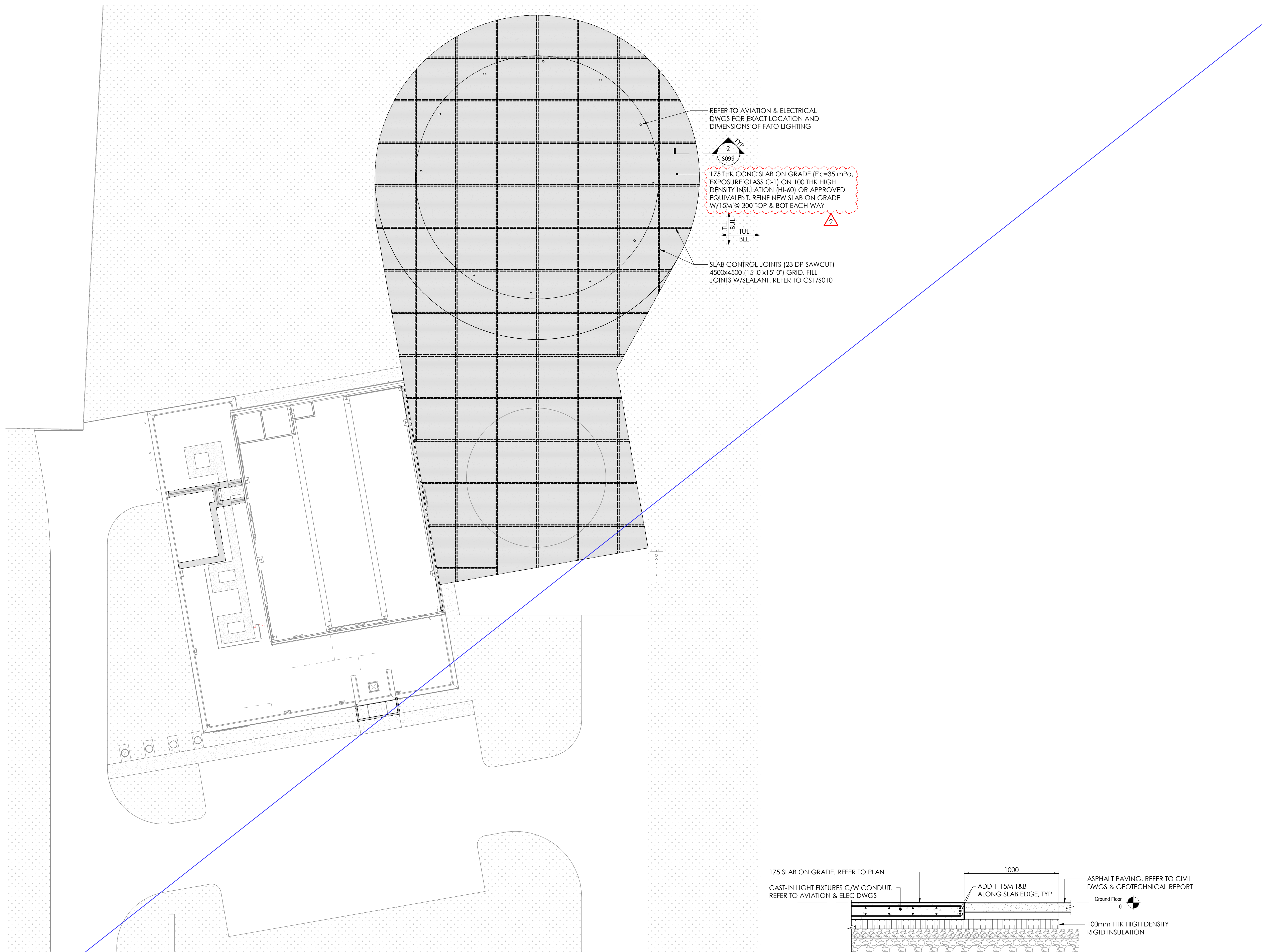


Sheet Title:

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

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan



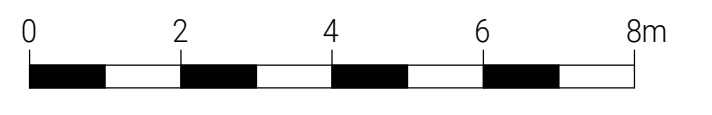
1	Issued for Tender Addendum 1	2024.09.16
NO.	ISSUED	DATE

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: As indicated

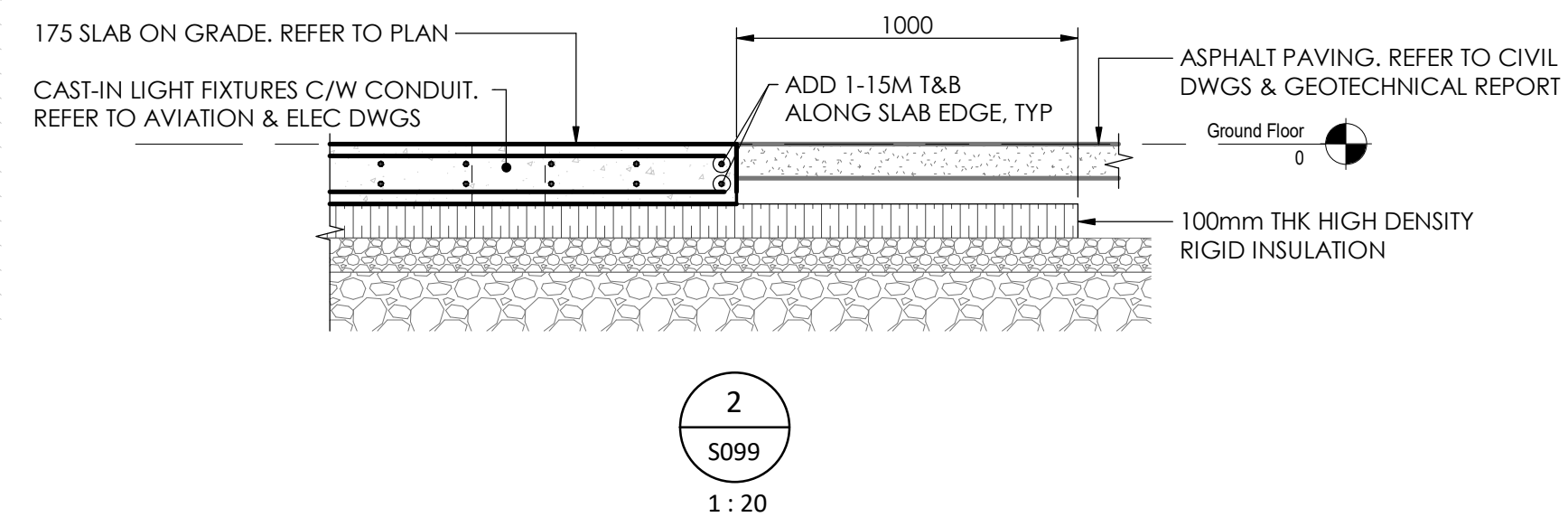
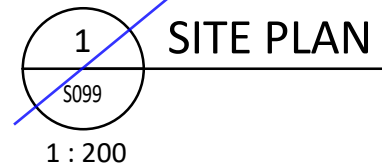


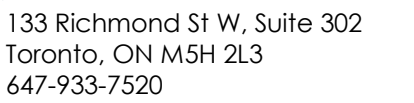
Sheet Title:

ENLARGED SITE PLAN

Drawing No.

S099





350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

5	Issued for Tender Addendum 14	2024.11.27
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

Do not scale drawings

A horizontal number line is shown with tick marks at 0, 2, 4, 6, and 8m. The segments between the tick marks are shaded alternately black and white, starting with a black segment from 0 to 2.

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 ELVATION 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.
- a. EARTHQUAKE IMPORTANCE FACTOR, BASED ON TABLE 4.1.8.5 OF 2012 OBC
CATEGORY - POST-DISASTER
IE = 1.5 (ULS)
- b. SEISMIC HAZARD PARAMETER FOR TOWN OF EAST GWILLIMBURY
 $S_a(0.2) = 0.132$, $S_a(0.5) = 0.085$, $S_a(1.0) = 0.050$, $S_a(2.0) = 0.026$, $PGA = 0.081$
- c. 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.

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

YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan

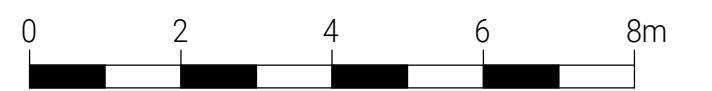
[illegible]

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

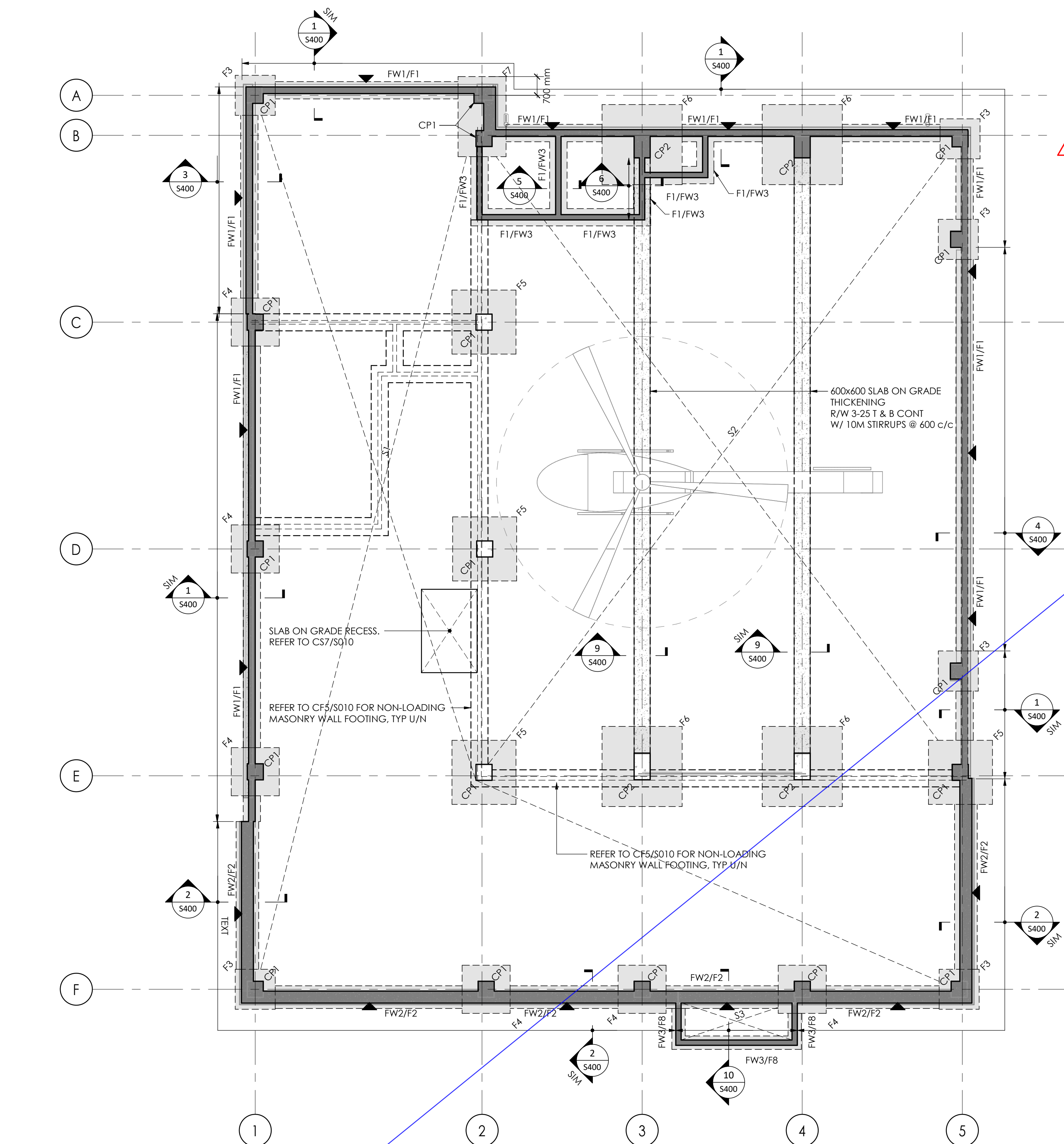


Sheet Title:


FOUNDATION PLAN

Drawing No.

S100



1 FOUNDATION PLAN



S100

1 : 100

PLAN NOTES:

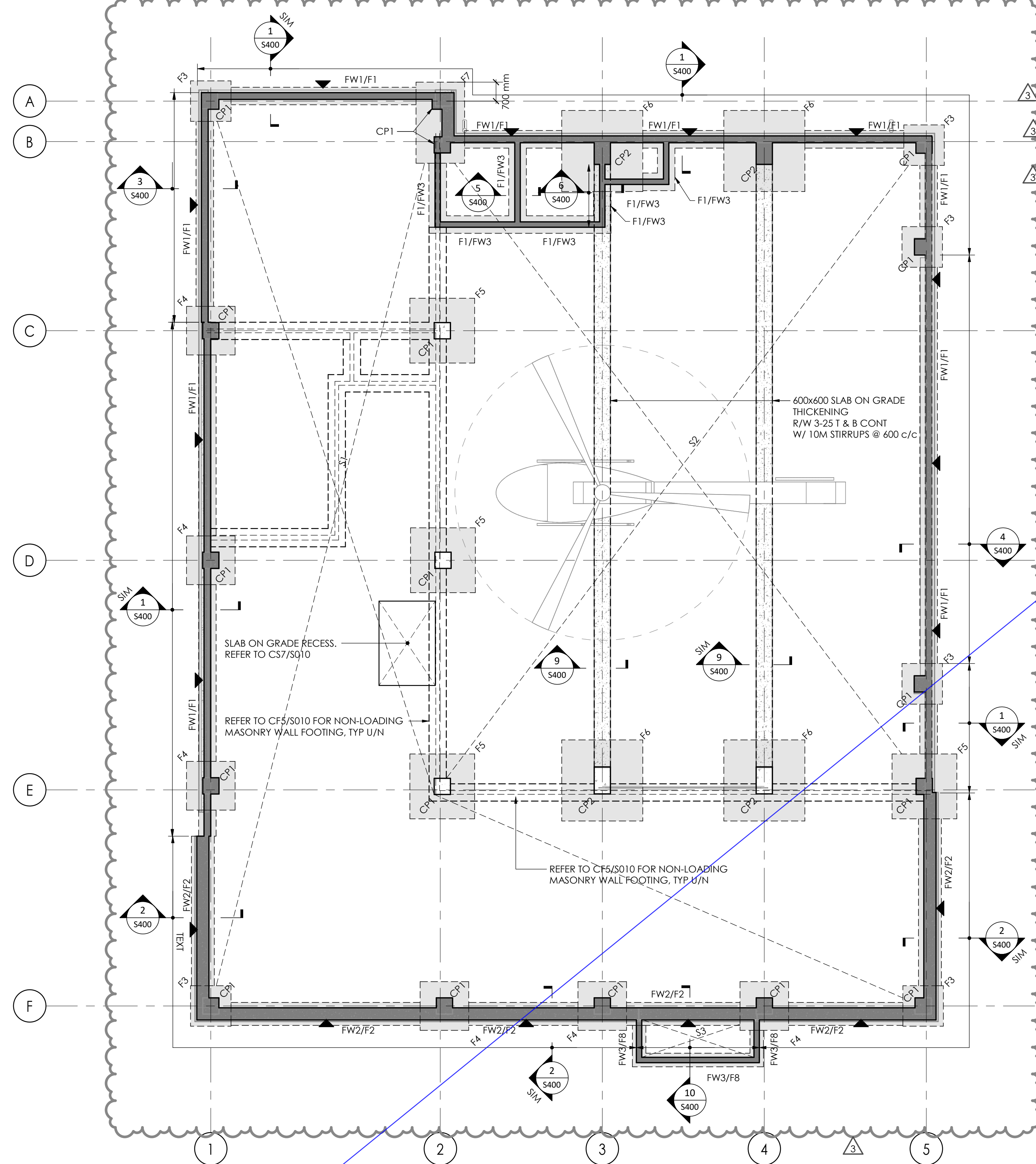
PLAN NOTES:

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 GENERAL NOTES 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.
 - a. EARTHQUAKE IMPORTANCE FACTOR, BASED ON TABLE 4.1.8.5 OF 2012 OBC
CATEGORY - POST-DISASTER
[E = 1.5 (ULS)]
 - b. SEISMIC HAZARD PARAMETER FOR TOWN OF EAST GWILLIMBURY
 $S_a(0.2) = 0.132$, $S_a(0.5) = 0.085$, $S_a(1.0) = 0.050$, $S_a(2.0) = 0.026$, $PGA = 0.081$
 - c. SITE CLASSIFICATION FOR SEISMIC SITE RESPONSE:
CLASS = C

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	LAP HORIZ BARS AT CORNERS & INTERSECTION
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	1800mm W x 3000mm L x 450mm DP CONC FOOTING	12-15M CONT BUL IN SHORT DIRECTION (HH). 6-15M CONT BUL IN LONG DIRECTION (HH)	
F8	500mm x 200mm DP CONC FOOTING	2-15M CONT	
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 3/5200	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/S011	PROVIDE CONT 390mm DP BOND BEAM R/W 1.5M (1.8M) 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/S011	PROVIDE CONT 390mm DP BOND BEAM R/W 1.5M (1.8M) AT TOP OF MASONRY WALL
CP1	600mm x 1000mm CONCRETE CAP	12-20W 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 1600mm L CONCRETE CAP	12-20W 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 15mm THK RIGID INSULATION	R/W 1 LAYER OF 75 x 95W/6" W/F	REFER TO ARCH DWGS FOR RIGID INSULATION
S2	175 SLAB ON GRADE ATOP 75mm THK RIGID INSULATION	R/W 2 LAYER OF 152x152 MW18 x 7W/18" W/F	REFER TO ARCH DWGS FOR RIGID INSULATION
S3	200 SLAB ON GRADE ON THOUD FORM	R/W 15M @ 250 TOP & 80 c/c EACH FACE	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	196.8	-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

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.



1 FOUNDATION PLAN

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.
 - α. EARTHQUAKE IMPORTANCE FACTOR, BASED ON TABLE 4.1.8.5 OF 2012 OBC
 - Category - POST-DISASTER
 - $I_E = 1.5$ (ULS)
 - β. SEISMIC HAZARD PARAMETER FOR TOWN OF EAST GWILLIMBURY
 - $Sa(0.2) = 0.132$, $Sa(0.5) = 0.085$, $Sa(1.0) = 0.050$, $Sa(2.0) = 0.026$, $PGA = 0.081$
 - c. SITE CLASSIFICATION FOR SEISMIC SITE RESPONSE:
 - CLASS = C

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	650mm 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 450mm DP CONC FOOTING	4-15 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 300mm L x 250mm H CONC FOOTING	3-15M CONT BUL IN SHORT DIRECTION, 15M @ 400 c/c BUL IN LONG DIRECTION	
F8	500mm x 200mm DP CONC FOOTING	2-15M CONT	
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	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	150 (6") MASONRY WALL	15M @ 400 c/c VERT FULLY ROUTED CELL, PROVIDE MASONRY DOWELS @ 1200 c/c, EXTEND FROM CORNERS WALL PERPENDICULAR TO CHIMNEY	PROVIDE 200 (8") DP BOND BEAM R/W 150MM LAYER OF MASONRY W/PL
MW2	190 (8") MASONRY WALL	15M @ 400 c/c VERT IN FULLY GROUTED CELL, PROVIDE MATCHING DOWELS @ 1200 c/c, EXTEND FROM CORNERS WALL PERPENDICULAR TO CHIMNEY	PROVIDE 200 (8") DP BOND BEAM R/W 150MM LAYER OF MASONRY W/PL
CP1	1400mm WIDE CONCRETE CAP	12-20M W/2-10M TOP & 25 c/c AT TOP, 10M BSW @ 1000MM REMAINING	REFER TO ARCH DWGS FOR RIGID INSULATION
CP2	600mm W x 1000mm L CONCRETE CAP	14-20 W/5-10M TOPS & 75 c/c AT TOP & 10M TOPS @ 1000MM 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 MW18.7 W/F	REFER TO ARCH DWGS FOR RIGID INSULATION
S2	175 SLAB ON GRADE ATOP 75mm THK RIGID INSULATION	R/W 2 LAYERS OF 152x152 MW18.7 MW18.7 W/F	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

Parkin Architects Limited
1 VALLEYBROOK DRIVE, TORONTO, CANADA, M3B 2S7 416-467-8000



133 Richmond St W, Suite 302
Toronto, ON M5H 2L3
647-933-7520

YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan



TRUE NORTH



PROJECT NO.

[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:

FOUNDATION PLAN

Drawing No. _____

\$100

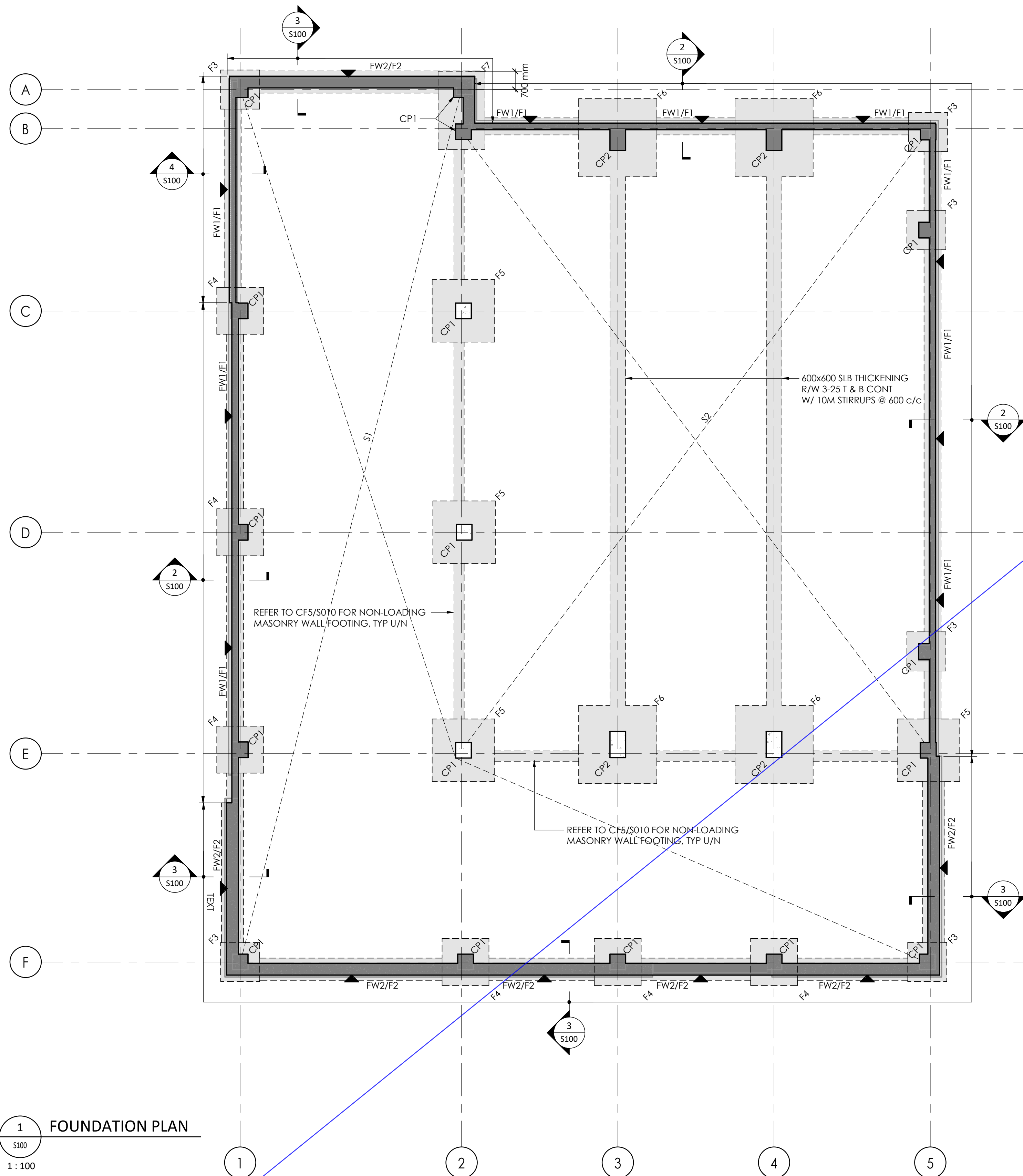
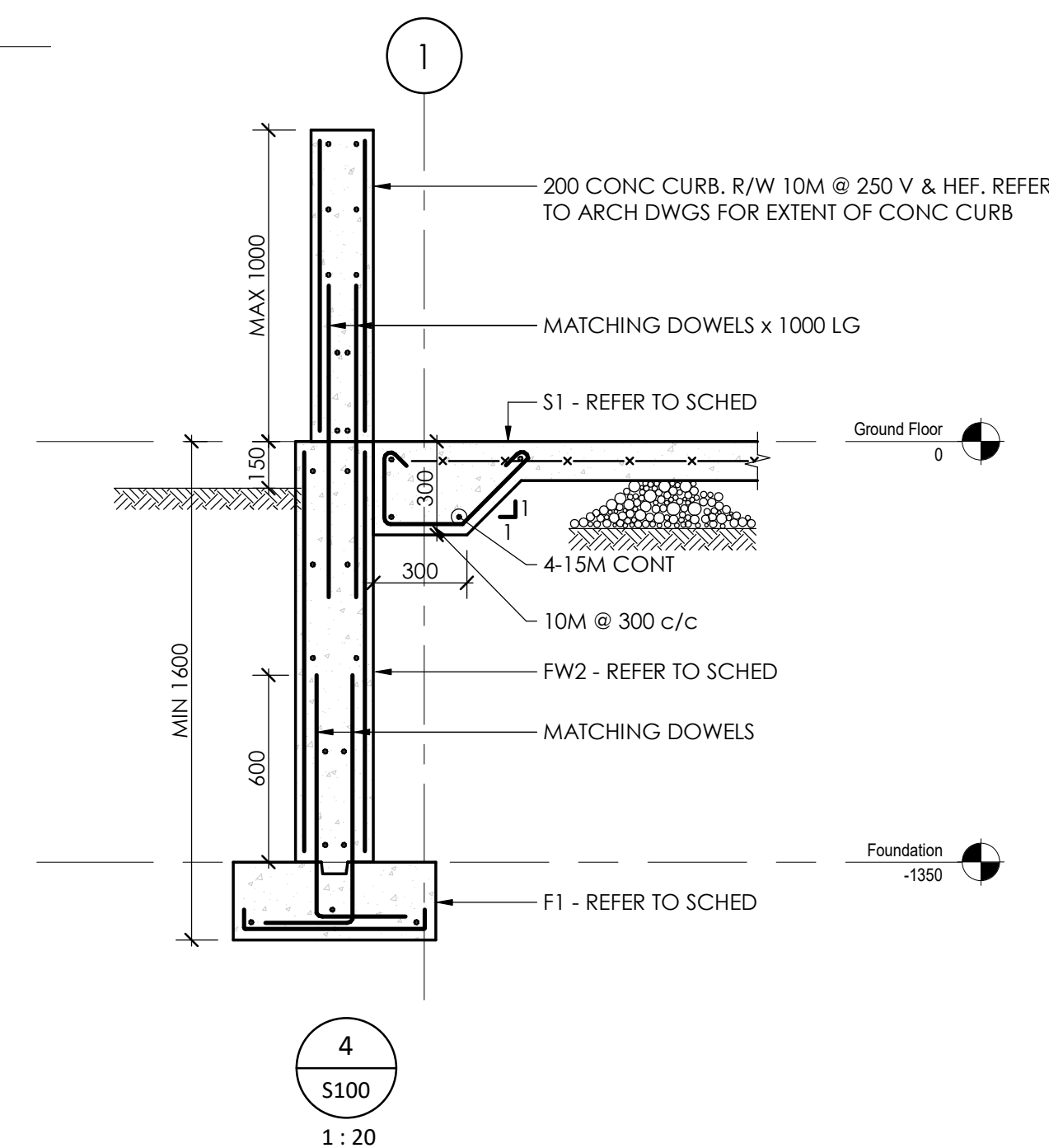
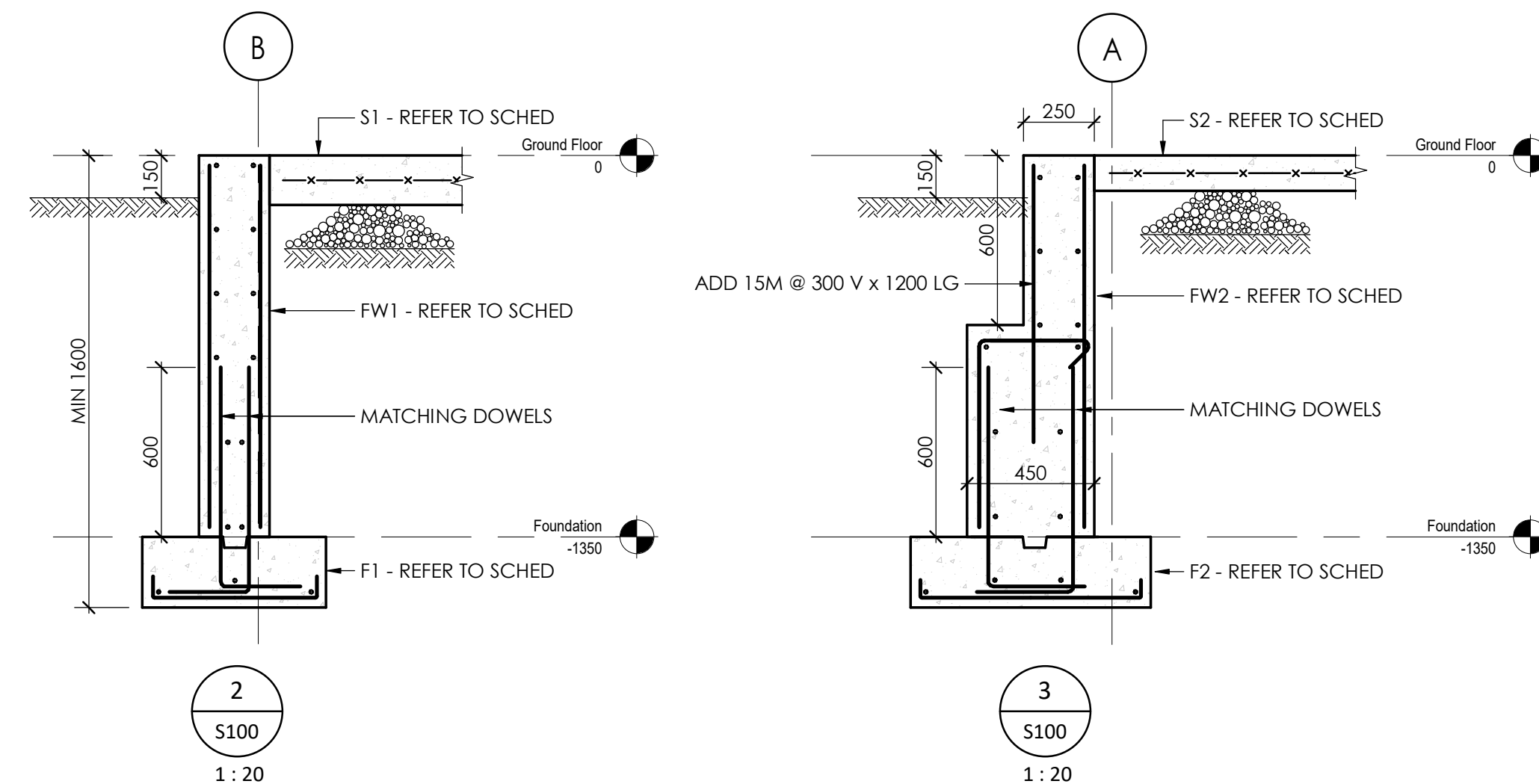
YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan

FOUNDATION SCHEDULE			
TAG	MEMBER SIZE	REINFORCEMENT	COMMENTS
F1	450mm x 250mm DP CONCRETE FOOTING	3-15M CONT BUL IN LONG DIRECTION, 15M @ 400 c/c BUL IN SHORT DIRECTION	LAP HORIZ BARS AT CORNERS & INTERSECTION
F2	850mm x 250mm DP CONCRETE FOOTING	4-15M CONT BUL IN LONG DIRECTION, 15M @ 400 c/c BUL IN SHORT DIRECTION	LAP HORIZ BARS AT CORNERS & INTERSECTION
F3	1500mm x 1500mm x 450mm DP CONCRETE FOOTING	6-15 BEW (HH)	
F4	1800mm x 1800mm x 450mm DP CONCRETE FOOTING	8-15 BEW (HH)	
F5	2400mm x 2400mm x 450mm DP CONCRETE FOOTING	12-15 BEW (HH)	
F6	3000mm x 3000mm x 600mm DP CONCRETE FOOTING	15-15 BEW (HH)	
F7	1800mm W x 3000mm L x 450mm DP CONCRETE FOOTING	12-15M CONT BUL IN SHORT DIRECTION (HH), 6-15M CONT BUL IN LONG DIRECTION (HH)	
FW1	250mm CONCRETE FOUNDATION WALL	15M @ 300 c/c VERT & HORIZ EACH FACE. PROVIDE 4-15 VERT AT WALL INTERSECTION	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. ALSO REFER TO 30200	LAP HORIZ BARS AT CORNERS & INTERSECTION
CP1	600mm x 600mm CONCRETE CAP	12-20V W/3-10M TIES @ 75 c/c AT TOP & 10M TIES @ 300 IN REMAINING	
CP2	600mm W x 1000mm L CONCRETE CAP	14-20V W/3-10M TIES @ 75 c/c AT TOP & 10M TIES @ 300 IN REMAINING	
S1	125 SLAB ON GRADE	R/W 1 LAYER OF 152x152 MW18.7 x MW18.7 WWF	
S2	175 SLAB ON GRADE	R/W 2 LAYER OF 152x152 MW18.7 x MW18.7 WWF	

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

1 : 100

FOUNDATIONS 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 TO BE READ FROM THE FINISHED GROUND FLOOR ELEVATION 0mm.
2. GROUND 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 THIS ► ON PLAN.
6. REFER TO TYPICAL DETAILS ON DRAWING S010 & S011.
7. REFER TO GENERAL NOTES ON DRAWING S001.
8. REFER TO COLUMN SCHEDULE FOR THE COLUMN REACTIONS, THE COLUMN REACTIONS SHOWN IN THE SCHEDULE ARE FACTORED LOADS & PROVIDED BY THE PREFAB SUPPLIER'S ENGINEER.
9. EARTHQUAKE LOADS:
 - A. THE EARTHQUAKE LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH THE EQUIVALENT STATIC FORCE PROCEDURE.
 - a. EARTHQUAKE IMPORTANCE FACTOR, BASED ON TABLE 4.1.8.5 OF 2012 OBC
CATEGORY - POST-DISASTER
IE = 1.5 (IJS)
 - b. SEISMIC HAZARD PARAMETER FOR TOWN OF EAST GWILLIMBURY
 $S_a(0.2) = 0.132$, $S_a(0.5) = 0.085$, $S_a(1.0) = 0.050$, $S_a(2.0) = 0.026$, $P_G A = 0.081$
 - c. SITE CLASSIFICATION FOR SEISMIC SITE RESPONSE:
CLASS = C

[illegible]

Issue

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
Checked by: W.PETER
Original Issue Date: 2024.07.30
Project No: 24.065
Scale: As indicated



Sheet
Title:

FOUNDATION PLAN

Drawing
No.

\$100

350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

[illegible]

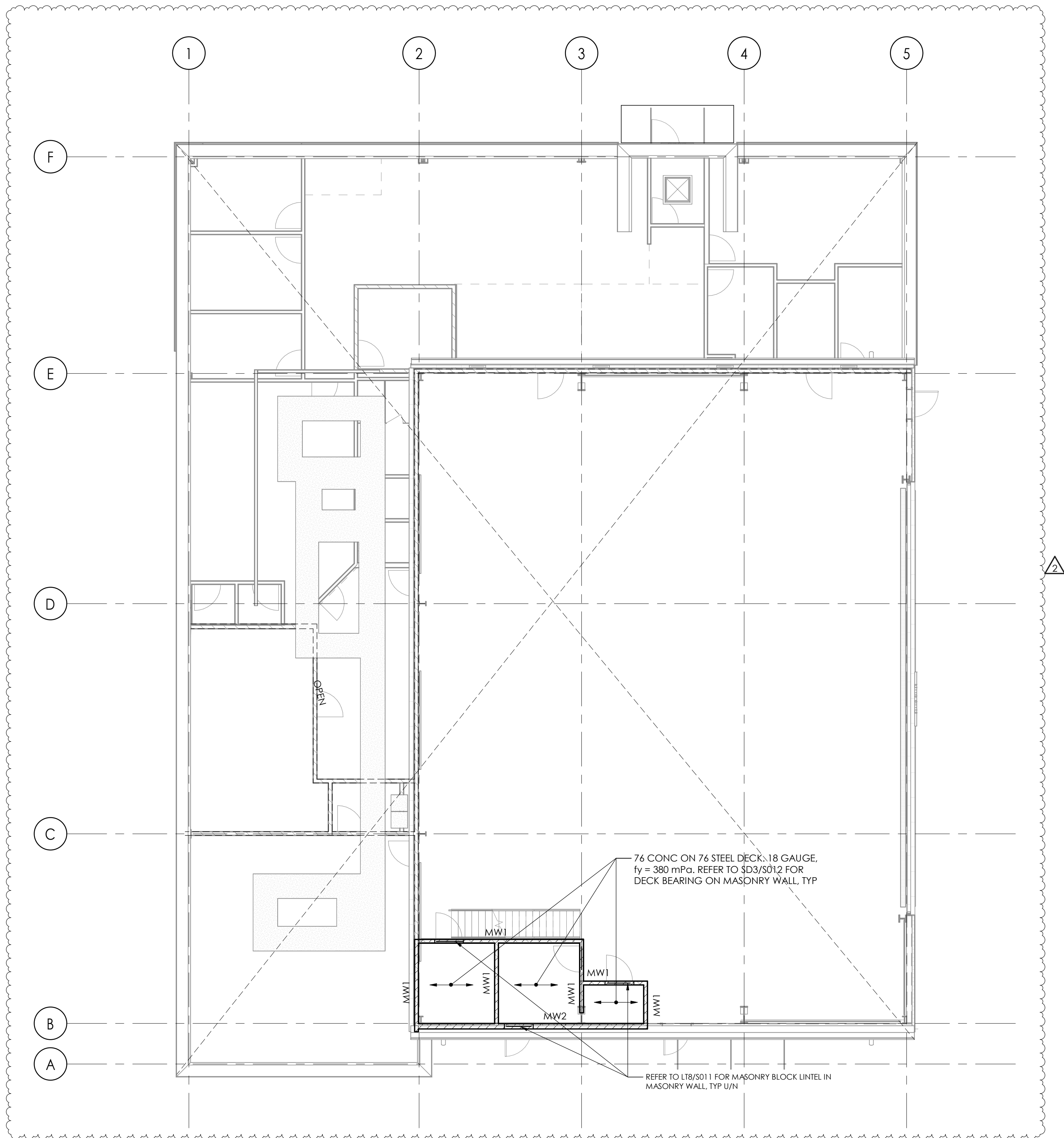
All measurements are to be checked and verified on site by the contractor before proceeding with work

Drawn by: R.RASALINGAM / S.SHUM
Checked by: W.PETER
Original Issue Date: 2024.10.03
Project No: 24.065
Scale: 1 : 100



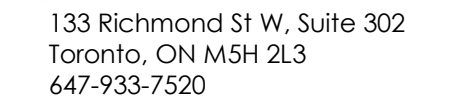
MEZZANINE FLOOR PLAN

S200



1 MEZZANINE FLOOR PLAN
S200
1 : 100

1. **ALL FRAMING SHOWN IS LOOKING DOWN.**
2. **REFER TO ARCHITECTURAL DRAWINGS FOR THE TIP OF MEZZANINE FLOOR STRUCTURAL SLAB ELEVATION.**
3. **THE UNFACTORED DESIGN LOAD FOR THE MEZZANINE FLOOR ARE:**
 - A. **LIVE LOAD = 3.6 kPa**
 - B. **SUPERIMPOSED DEAD LOADS (SDL) = 1.25 kPa**
 - C. **SELF-WEIGHT = 76mm CONCRETE ON 76mm STEEL DECK**
4. **PROVIDE CONTINUOUS 4mm THICK BENT PLATE FLANGE ANGLE ALL AROUND PERIMETER.**
5. **ALL STRUCTURAL STEEL & ITS CONNECTION HARDWARES EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH CSA G164.**
6. **REFER TO TYPICAL DETAILS ON S010 TO S012.**
7. **REFER TO GENERAL NOTES ON S001.**



350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan

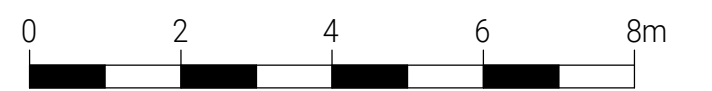
[illegible]

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: 1 : 100



Sheet Title:

Drawing No.

S200



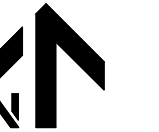
PLAN NOTES:

1. **ALL FRAMING SHOWN IS LOOKING DOWN.**
2. REFER TO ARCHITECTURAL DRAWINGS FOR THE TIP OF MEZZANINE FLOOR STRUCTURAL SLAB ELEVATION.
3. THE UNFACTORED DESIGN LOAD FOR THE MEZZANINE FLOOR ARE:
 - A. LIVE LOAD = 3.6 kPa
 - B. SUPERIMPOSED DEAD LOADS (SDL) = 1.25 kPa
 - C. SELF-WEIGHT = 76mm CONCRETE ON 76mm STEEL DECK
4. PROVIDE CONTINUOUS 6mm THICK BENT PLATE EDGE ANGLE ALL AROUND PERIMETER.
5. ALL STRUCTURAL STEEL & ITS CONNECTION HARDWARES EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH CSA G164.
6. REFER TO TYPICAL DETAILS ON S010 TO S012.
7. REFER TO GENERAL NOTES ON S001.

YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT
BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan

[illegible]

Issue

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: 2024.10.03
Project No: 24.065
Scale: 1 : 20

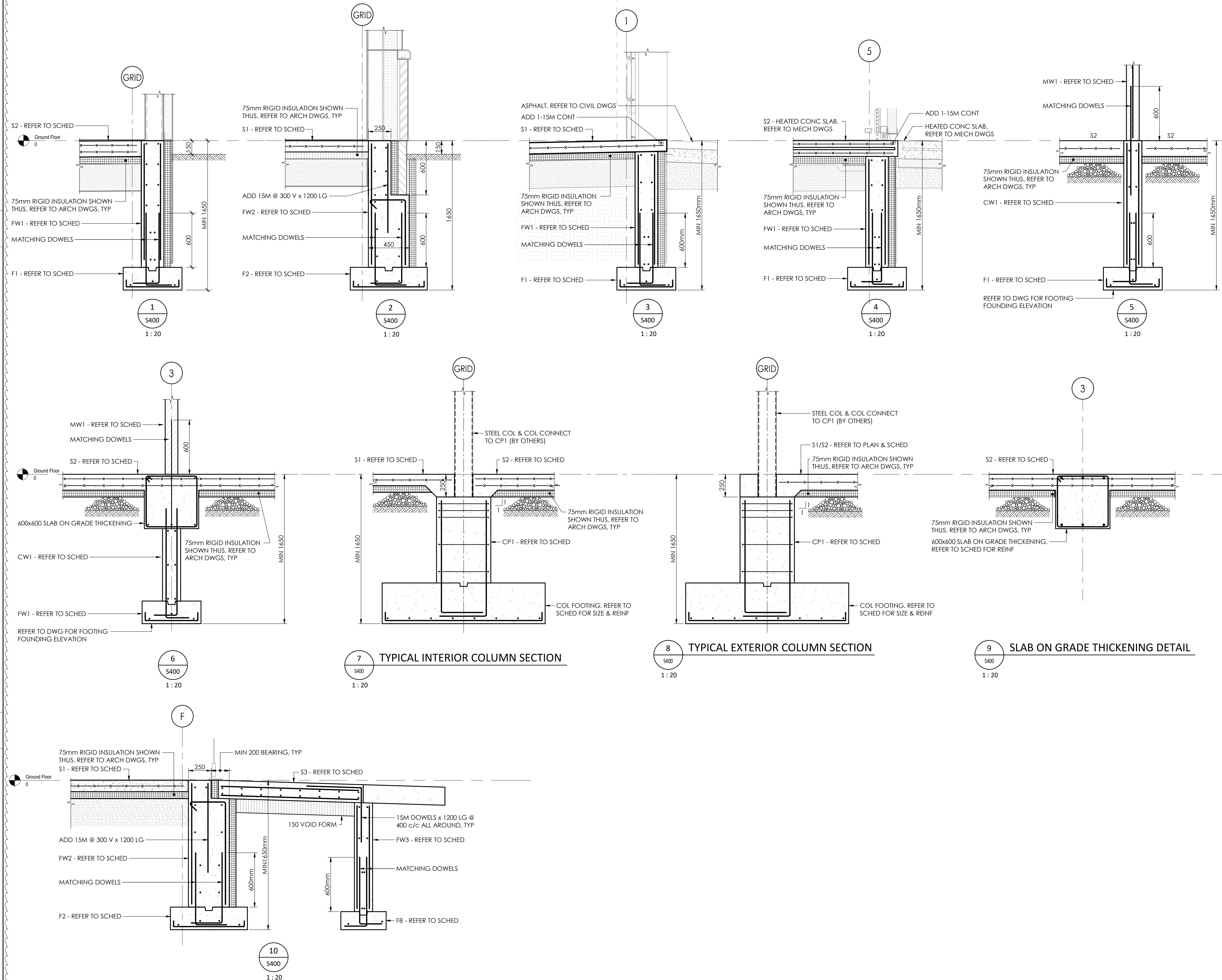


Sheet
Title:

SECTIONS

Drawing
No.

S400



YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD
TOWN OF EAST GWILLIMBURY

Key Plan

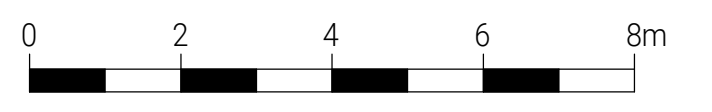
[illegible]

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: 1 : 20



Sheet Title:

SECTIONS

Drawing No.

S400

