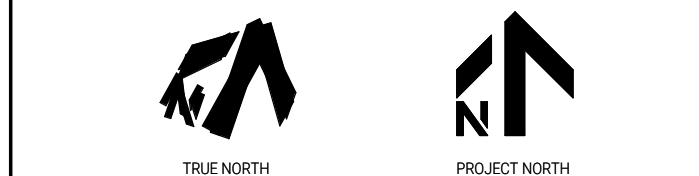


350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

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

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Project No: 24.065  
Scale:

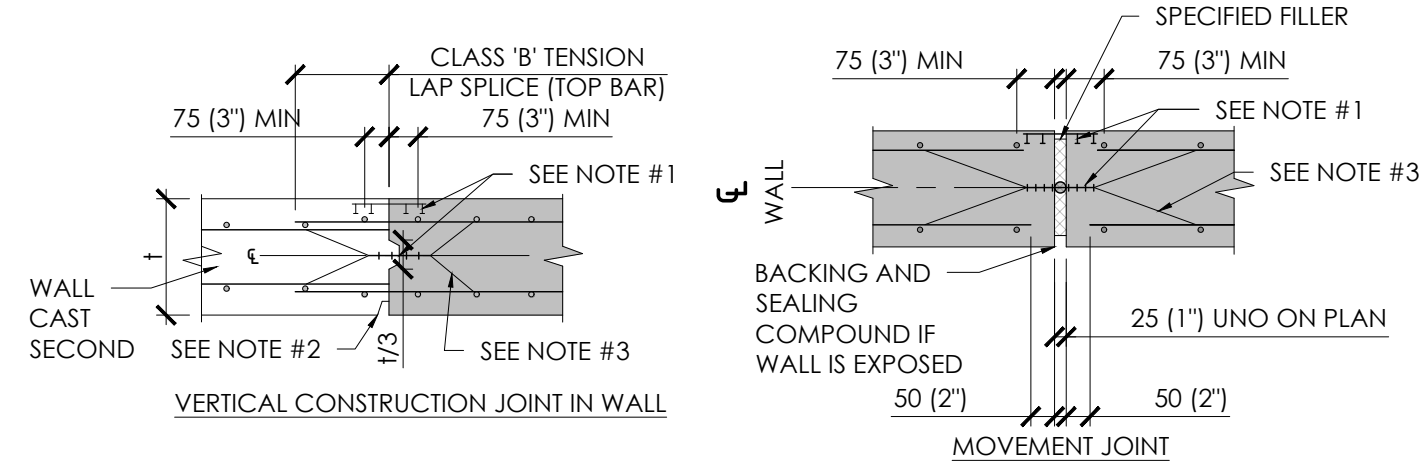


Sheet Title:

## TYPICAL DETAILS

Drawing No. \_\_\_\_\_

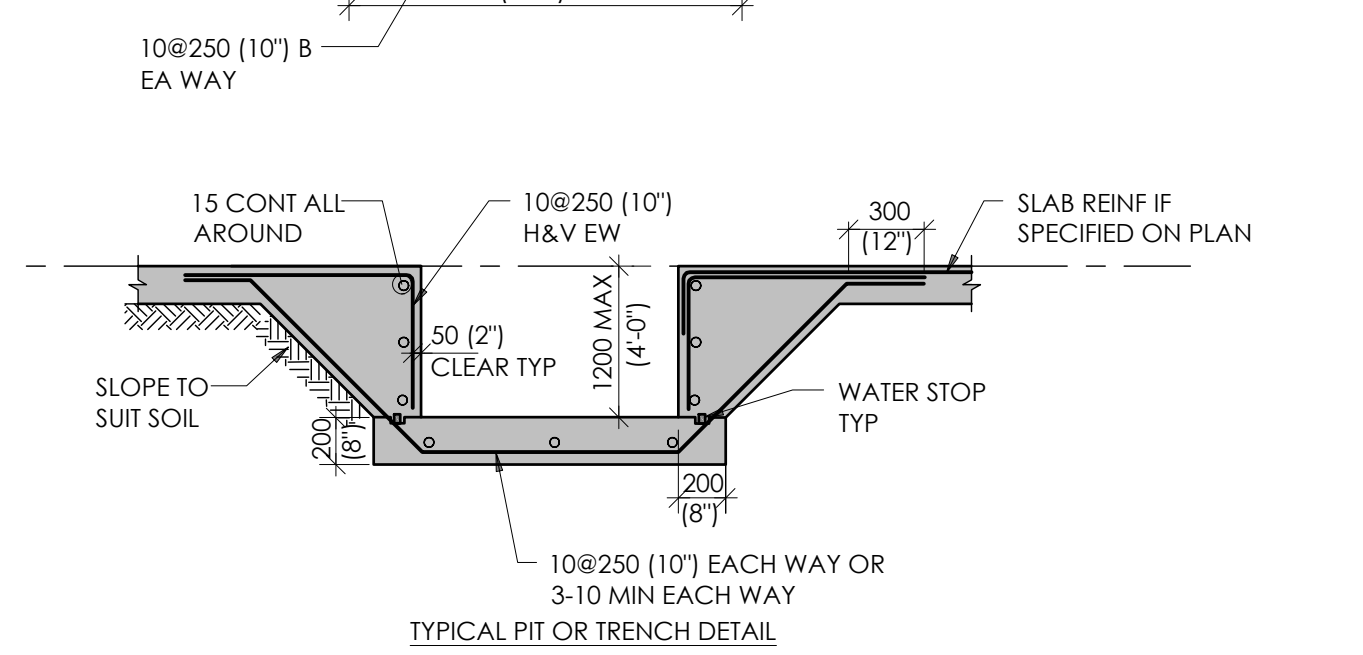
**S010**



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.

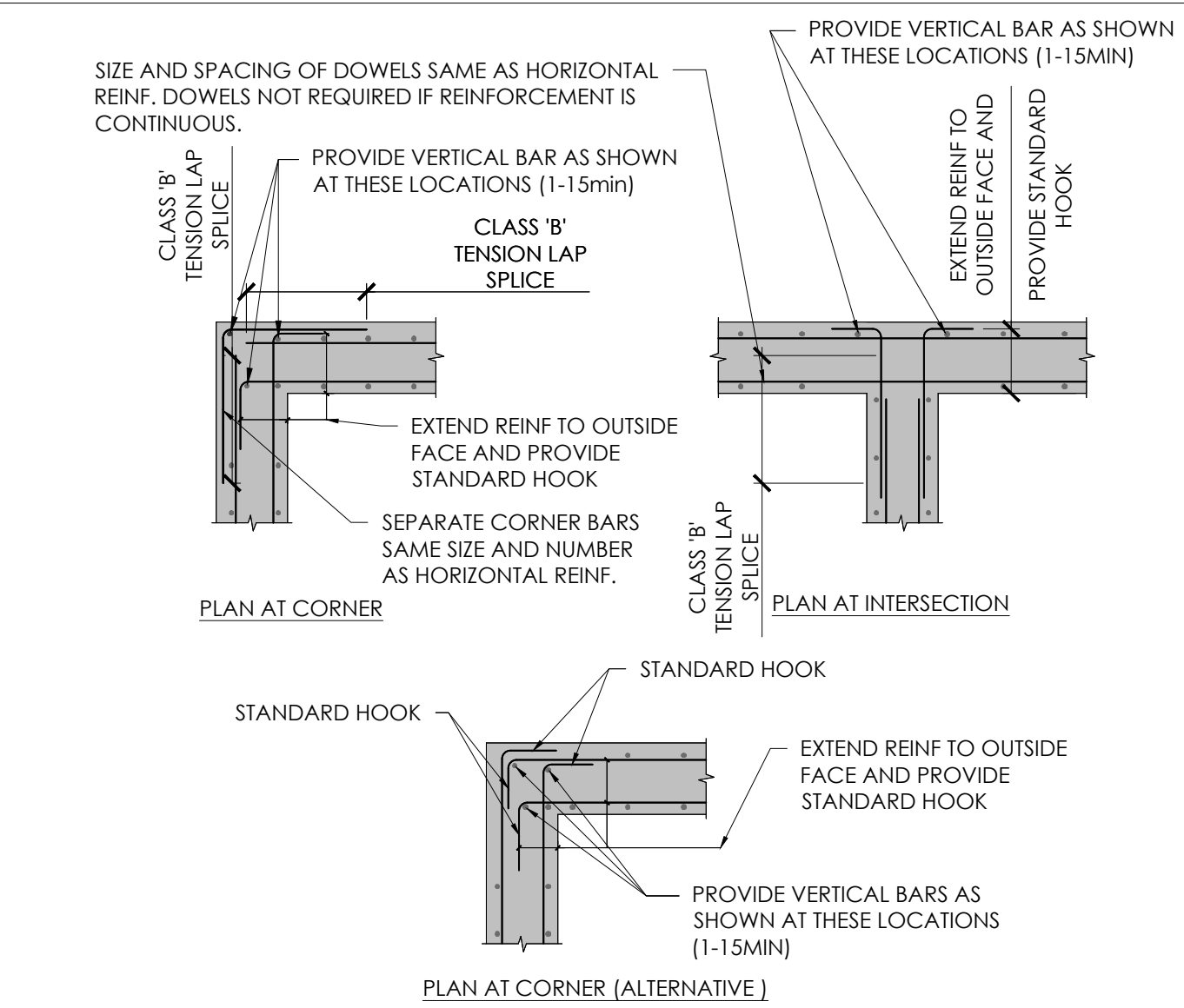
CW1	VERTICAL JOINTS IN CONCRETE WALLS
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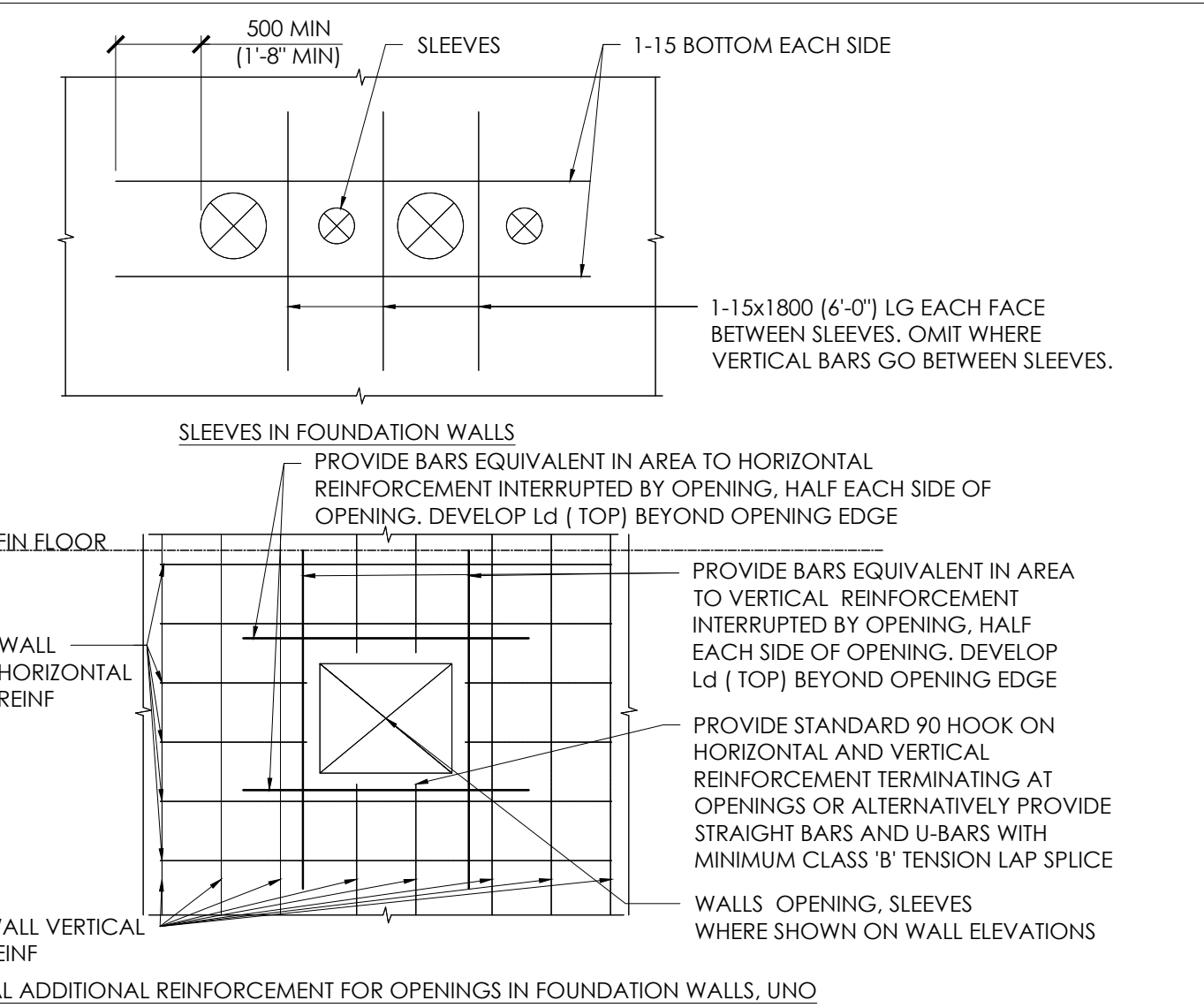
NOTES:


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
-----	-------------------

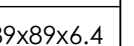


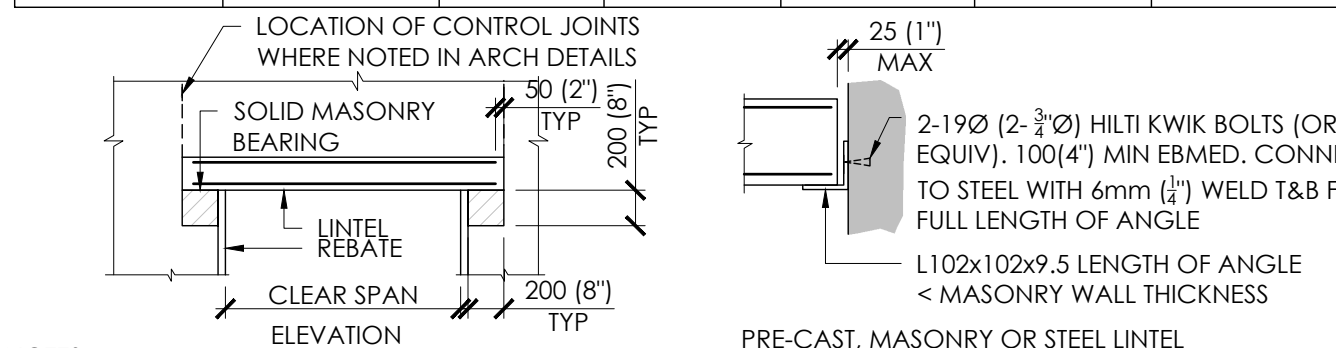
CW2	REINFORCEMENT DETAILS IN CONCRETE FOUNDATION WALLS
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CLEAR SPAN	WALL THICKNESS						NOTES
	90 (4")	140 (6")	190 (8")	240 (10")	290 (12")		
UP TO 1200(4'-0")	190 (8") 1-10	190 (8") 2-10	190 (8") 2-10	190 (8") 2-10	190 (8") 2-10		1. PROVIDE REINF LISTED BOTH TOP AND BOTTOM 
> 1200 TO 1800 (4'-0" TO 6'-0")	190 (8") 1-10	190 (8") 2-10	190 (8") 2-10	190 (8") 2-10	190 (8") 2-10		
> 1800 TO 2400 (6'-0" TO 8'-0")	- -	190 (8") 2-10	190 (8") 2-10	190 (8") 2-15	190 (8") 2-15		
> 2400 TO 3000 (8'-0" TO 10'-0")	- -	390 (16") 2-10	390 (16") 2-10	390 (16") 2-10	390 (16") 2-10		
	- -	390 (16") 2-10	390 (16") 2-10	390 (16") 2-10	390 (16") 2-10		

MASONRY LINTELS											NOTES	
CLEAR SPAN	TOP AND BOTTOM REINFORCEMENT											
	90 (4")	140 (5")	140 (5")	190 (8")	240 (10")	240 (10")	290 (12")	290 (12")				
	h	As	h	As	h	As	h	As	h	As		
UP TO 1200 (4'-0")	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	1. PROVIDE REINF LISTED BOTH TOP AND BOTTOM.	
> 1200 TO 1800 (4'-0" TO 6'-0")	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	2. PROVIDE LINTEL BLOCK (2' H OR 1-3/4" H). GROUT IS TO BE CONTINUOUS ALONG SPAN OF LINTEL	
> 1800 TO 2400 (6'-0" TO 8'-0")	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-15		
> 2400 TO 3000 (8'-0" TO 10'-0")	-	-	$\frac{390}{1\frac{1}{2}}$	1-10	$\frac{390}{1\frac{1}{2}}$	1-15	$\frac{390}{1\frac{1}{2}}$	1-15	$\frac{390}{1\frac{1}{2}}$	1-15		

CLEAR SPAN	STEEL LINTELS					NOTES
	WALL THICKNESS					
	90 (4") VENEER	140 (6")	190 (8")	240 (10")	290 (12")	
UP TO 1200 (4'-0")	1-L102X76x6.4 LH	2-L64x64x6.4	2-L89x76x6.4	1-L127x76x6.4+ 1-L127x76x6.4	2-L89x76x6.4 LSH	 <p>SAW CUT OF BLOCK NECESSARY</p>
> 1200 TO 1800 (4'-0" TO 6'-0")	1-L102x76x6.4 LH	2-L64x64x6.4	2-L89x89x6.4	1-L102x76x6.4+ 1-L127x76x6.4	3-L89x89x6.4	
> 1800 TO 2400 (6'-0" TO 8'-0")	1-L102x102x6.4	2-L89x89x6.4	2-L89x89x6.4	1-L102x102x7.9+ 1-L127x76x7.9	3-L89x89x6.4	
> 2400 TO 3000 (8'-0" TO 10'-0")	1-L152x102x7.9	-	2-L127x89x6.4	1-L102x102x7.9+ 1-L127x76x7.9	3-L127x89x6.4	
DETAIL	L	64 LEGS HORZ	89 LEGS HORZ	102 & 127 LEGS HORZ	L	



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 1608 BOLTS @450 (18") c/c OR PROVIDE 6x50 ( $\frac{1}{2}$ "x2") LONG WELDS @450 (18") c/c TOP AND BOTTOM. DISTANCE FROM 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
-----	--

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## 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

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Project No: 24.065  
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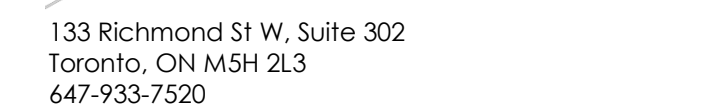
## TYPICAL DETAILS

Drawing No.

**S011**







350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

### Key Plan

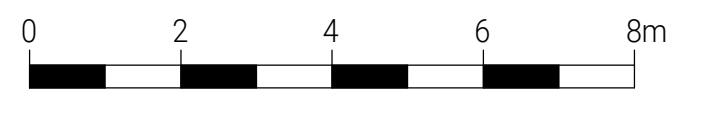
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Sheet Title:

## OVERALL SITE PLAN

Drawing No.

**S098**

1 OVERALL SITE PLAN  
5098  
1 : 500

## YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

Key Plan

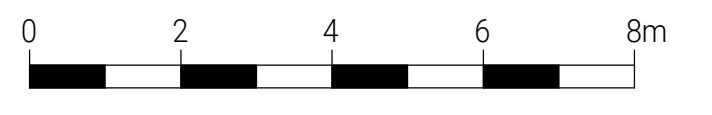
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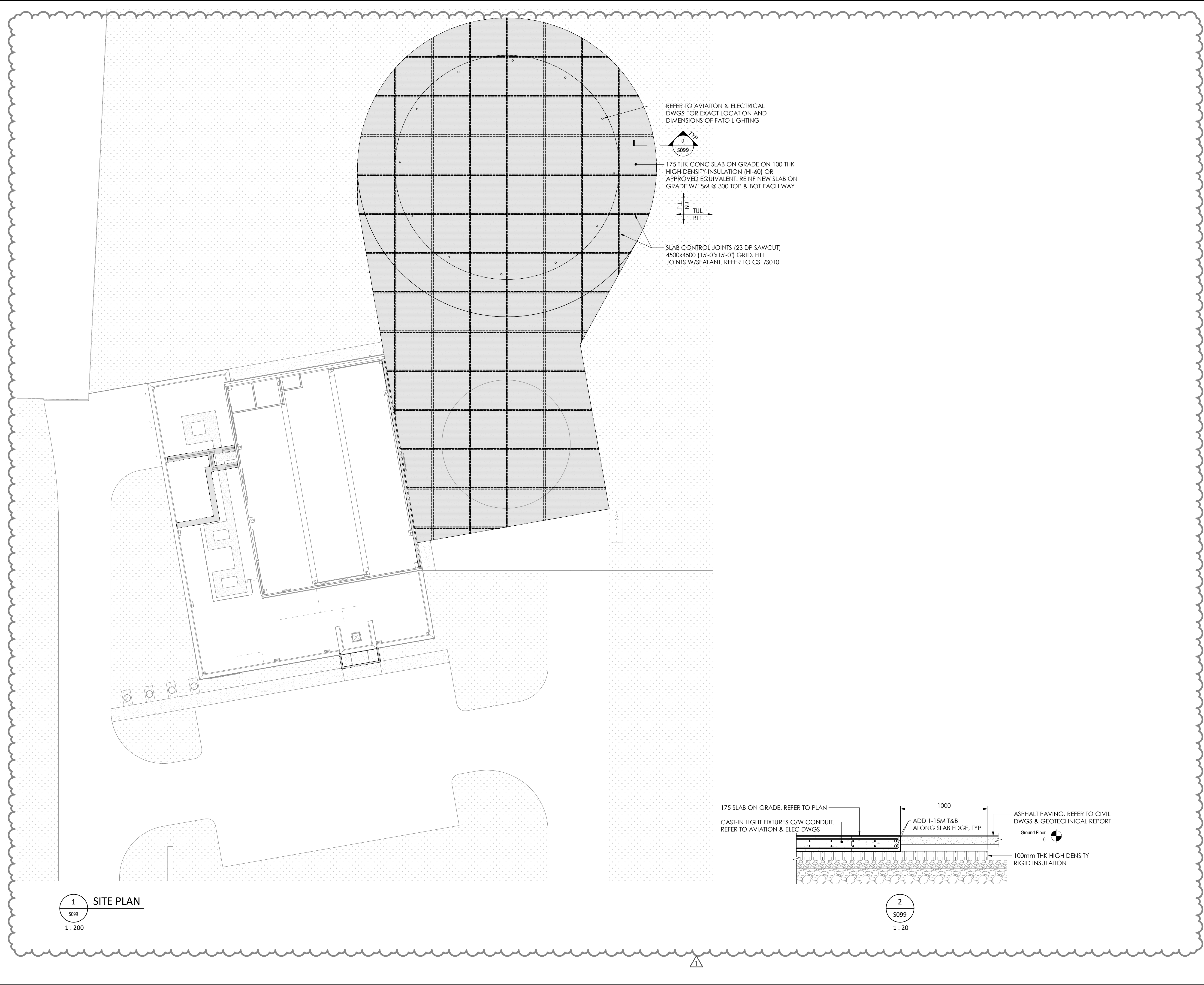


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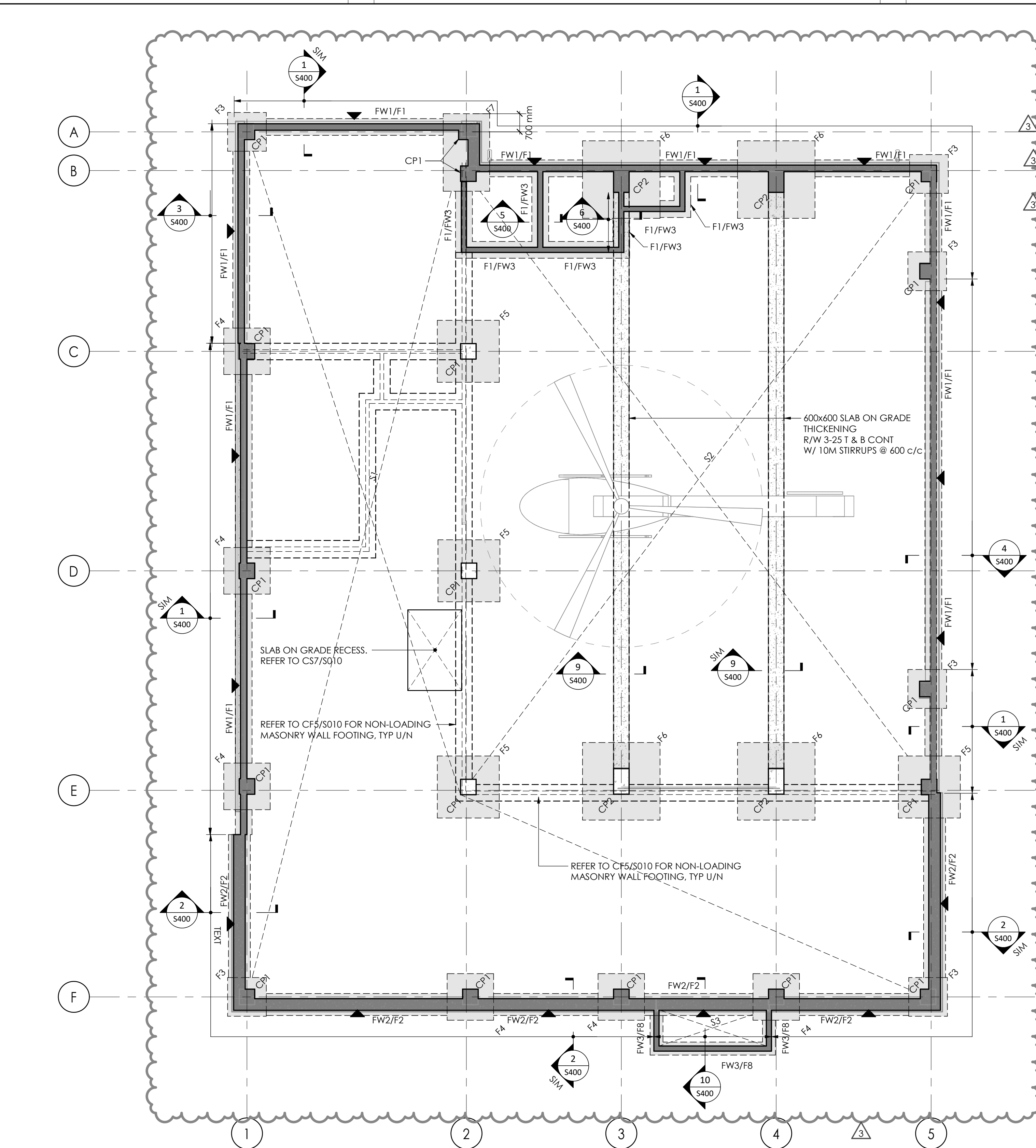
# ENLARGED SITE PLAN

Drawing No.

**S099**







1 FOUNDATION PLAN  
\$100  
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 GENERAL 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  
 $S_a(0.2) = 0.132$ ,  $S_a(0.5) = 0.085$ ,  $S_a(1.0) = 0.050$ ,  $S_a(2.0) = 0.026$ ,  $PGA = 0.081$
  - b. 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	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 450mm DP CONC FOOTING	15-15 BEW (HH)	
F7	100mm W x 300mm D L T 150mm D CONC FOOTING	10-15M CONT BUL IN SHORT DIRECTION, 15M @ 400 c/c BUL IN LONG DIRECTION (R/W)	
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 INTER @ 500/200	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 IN FULLY GROUTED CELL, PROVIDE MATCHING ROWS @ 1200 L/E, EXTEND FROM CONC WALL BELOW, REFER TO CWS/201	PROVIDE CONC 30mm DP BOND BEAM R/W 150MM (6") AT TOP OF MASONRY WALL
MW2	190 (8") MASONRY WALL	15M @ 400 c/c VERT IN FULLY GROUTED CELL, PROVIDE MATCHING ROWS @ 1200 L/E, EXTEND FROM CONC WALL BELOW, REFER TO CWS/201	PROVIDE CONC 30mm DP BOND BEAM R/W 150MM (8") AT TOP OF MASONRY WALL
CP1	300mm W x 1000mm L CONCRETE CAP	12-20W W/3-10M TIES @ 75% C/A TOP & 10M TIES @ 300 IN REMAINING	REFER TO ARCH DWGS FOR RIGID INSULATION
CP2	400mm W x 1000mm L CONCRETE CAP	14-20W W/3-10M TIES @ 75% C/A 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 152152 MW182 & 7 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 154522 MW182 & 8.7 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

# PARKIN

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## YRP HELICOPTER HANGAR

350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

## Key Plan

[illegible]

## Issues

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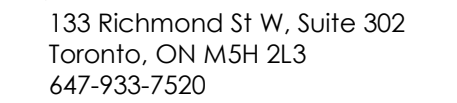


Sheet Title:

## FOUNDATION PLAN

Drawing No.

**\$100**



350 GARFIELD WRIGHT BOULEVARD  
TOWN OF EAST GWILLIMBURY

## Key Plan

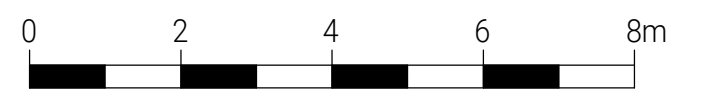
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Scale: 1 : 100



Sheet Title:

## MEZZANINE FLOOR PLAN

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

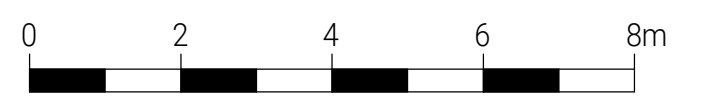
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Scale: 1 : 20



Sheet Title:

## SECTIONS

Drawing No.

**S400**

