FOOTING SCHEDULE				
MARK	SIZE	REINF'G		
F1	1500 x 1500 x 250 DP	5-15M x 1400 T&B EW (H)		
F2	1200 x 1200 x 250 DP	4-15M x 1100 T&B EW (H)		
WF1	1000 x 250 DP	4-15M CONT. TLL & BUL 1-15M x 900 (H) @ 300 O/C TUL & BLL		

SEE GENERAL NOTES ALSO.

ALL FOOTINGS TO BE CENTERED UNDER PIERS, COLUMNS ORWALLS UNLESS NOTED. WALL FOOTINGS TO EXTEND BEYOND ENDS OF WALLS A DISTANCE EQUAL TO THE SIDE PROJECTIONS.

4. SEE PLANS FOR CONCRETE COMPRESSIVE STRENGTHS.

REINFORCING BAR LAP LENGTH TABLE					
CONCRETE STRENGTH (MPa)	REINFORCING BAR LAP LENGTH (mm)				
	10M	15M	20M	25M	
20	475	700	850	1325	
25	425	600	750	1200	
30	400	550	675	1100	
35	375	525	625	1000	

FOR SPECIAL CONDITIONS MULTIPLY THE VALUES LISTED ABOVE BY THE FOLLOWING FACTORS:

1. EPOXY COATED REINFORCING (X 1.5)

2. HORIZONTAL REINFORCING WITH >300 mm CONCRETE BELOW (X 1.3)

3. FOR CONDITIONS 1 & 2 OCCURRING SIMULTANEOUSLY (X 1.7)

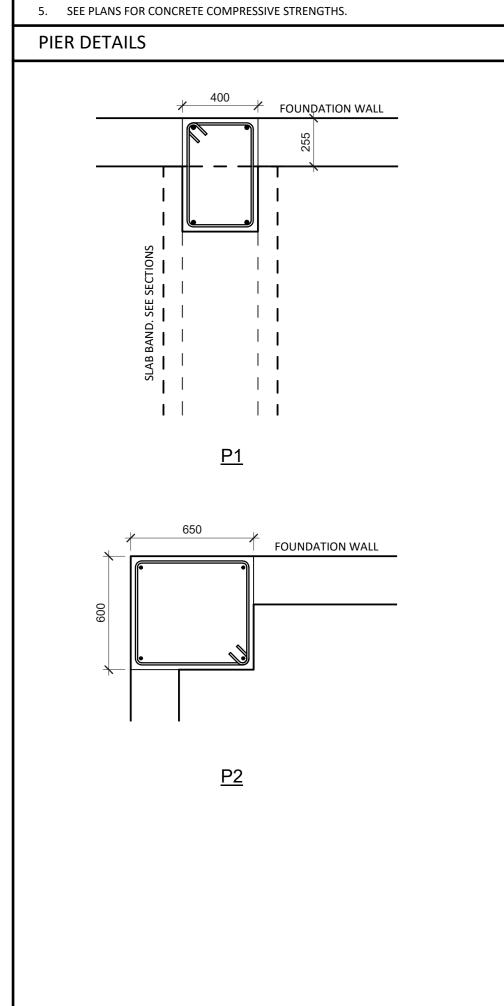
CONCRETE PIER SCHEDULE				
MARK	SIZE	REINF'G		
P1	400 x 600	4-25M VERT + 1-10M TIE @ 300 O/C + 4-25M DWLS		
P2	600 x 650	4-25M VERT + 1-10M TIE @ 300 O/C + 4-25M DWLS		

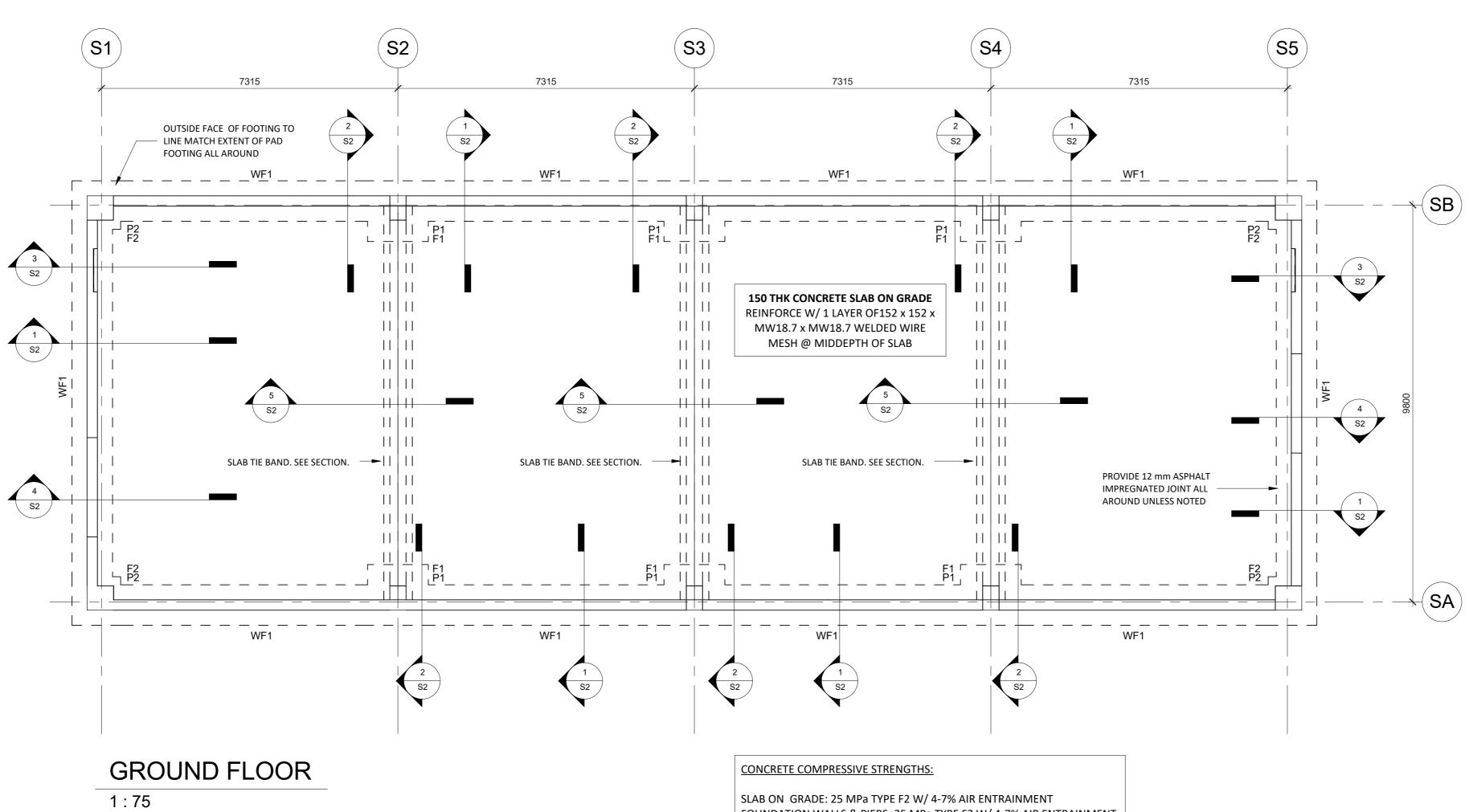
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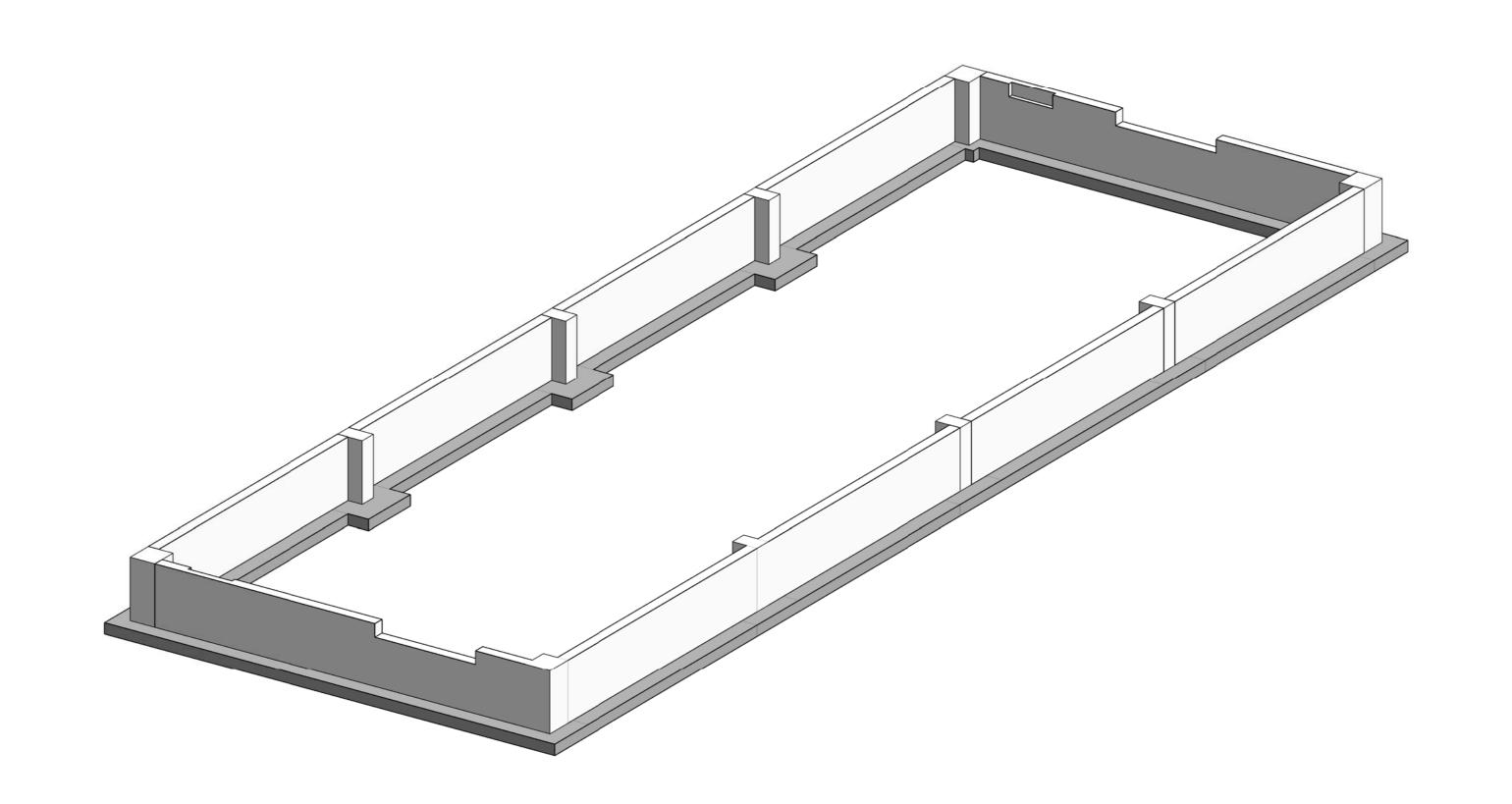
1. PROVIDE DWLS INTO FTG TO MATCH VERT. PIER REINF'G

2. PROVIDE 3 SETS OF TIES SPACED @ 75 o/c AT TOP OF PIERS. 3. HORIZ FND WALL REINF'G TO EXTEND THRU CONCRETE PIER.

4. TOP OF PIER TO BE AT TOP OF SLAB TYP. U/N. COORDINATE W/ OLYMPIA DRAWINGS







DRAWING LIST

S1 FOUNDATION PLAN S2 SECTIONS & DETAILS

GENERAL NOTES

ANY DEVIATION FROM THE CONDITIONS SHOWN ON THESE DRAWINGS MUST BE REPORTED TO THE ENGINEER.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF PART 4 OF THE O.B.C.

(2012 EDITION) ONTARIO REGULATION 332/12 (AS AMENDED) <u>STANDARDS</u>

-CSA STANDARD A23.3-04 DESIGN OF CONCRETE STRUCTURES ANY MODIFICATIONS TO EXISTING STRUCTURES ARE TO BE LIMITED TO WORK NOTED ON THESE DRAWINGS. ANY ADDITIONAL OR PROPOSED MODIFICATIONS TO EXISTING STRUCTURES MUST BE APPROVED BY THE ENGINEER

FOUNDATIONS

.1 ALL FOOTINGS ARE TO BEAR ON THE NATIVE, UNDISTURBED GLACIAL TILL ON ENGINEERED FILL.

.2 BEARING CAPACITY USED IN THE FOOTING

DESIGN IS ASSUMED TO BE SLS = 150 kPa / ULS = 300 kPa BEARING SURFACE IS TO BE INSPECTED BY GEOTECHNICAL

.4 FOR FURTHER INFORMATION SEE GEOTECHNICAL REPORT No. 62788.04 PREPARED BY GEMTEC CONSULTING ENGINEERS AND SCIENTISTS LIMITED

5. <u>SLABS ON GRADE</u>

.1 SLABS ON GRADE TO BE UNREINFORCED UNLESS NOTED.

ENGINEER PRIOR TO PLACING CONCRETE.

.2 FOR COMPOSITION & COMPACTION OF FILL SUPPORTING SLABS ON GRADE SEE GEOTECHNICAL REPORT.

.3 PROVIDE 12 mm ASPHALT IMPREGNATED FIBREBOARD BETWEEN SLABS ON GRADE & FOUNDATION WALLS OR COLUMNS.

.4 SAWCUT SLAB ON GRADE TO (1/4 x SLAB DEPTH) 8 HOURS AFTER CONCRETE PLACEMENT.

SPACE SAWCUTS ON A 4500 mm x 4500 mm MAXIMUM GRID. AVOID LONG & NARROW SAWCUT PATTERNS. LOCATE SAWCUTS ALONG COLUMN LINES WHERE POSSIBLE. CONTRACTOR IS TO

PROVIDE THE ENGINEER WITH DOCUMENTATION SHOWING PROPOSED SAWCUT LOCATIONS FOR APPROVAL UNLESS SAWCUTS LOCATIONS ARE OTHERWISE INDICATED ON THESE DRAWINGS.

.1 CONCRETE STRENGTH AT 28 DAYS TO BE AS NOTED

ON THESE DRAWINGS AND SPECIFICATIONS. .2 REINFORCING STEEL TO BE DEFORMED GRADE 400R WITH

CONCRETE COVER

75 mm BOTTOM

50 mm SIDES 40 mm UNLESS NOTED OTHERWISE .2 WALLS

. REINFORCING STEEL DESIGNATION

8-20M x 1500 T/B

8 = NUMBER OF BARS

20M = SIZE OF BARS

1500 = LENGTH OF BARS T = BAR LOCATION - TOP

B = BAR LOCATION - BOT

LENGTH OF BARS DOES NOT INCLUDE HOOKS OR BENDS

DOWELS TO FOOTINGS TO BE OF SAME DIAMETER AS THE LOWEST LIFT OF VERTICAL REINFORCING IN COLUMNS, PIERS OR WALLS.

11. REINFORCING STEEL SPLICES

REINFORCING STEEL SPLICES TO BE AS NOTED IN REINFORCING BAR LAP LENGTH TABLE ON S1 U/N.

12. <u>OPENINGS</u> .1 AT OPENINGS IN WALLS PROVIDE 2-20M T & B OF OPENING

EXTENDING 600 mm MIN. BEYOND CORNERS OF OPENINGS.

B = BOTTOM

B1 = BOTTOM LOWER LAYER B2 = BOTTOM UPPER LAYER

BLL = BOTTOM LOWER LAYER

BUL = BOTTOM UPPER LAYER

CONT = CONTINUOUS DP = DEPTH

DWL = DOWELS EF = EACH FACE

EL = ELEVATION ES = EACH SIDE

EW = EACH WAY F1 = PAD FOOTING NUMBER

H = HORIZONTAL (H) = HOOKED BAR

O/C = ON CENTER

P1 = PIER NUMBER/PILE NUMBER T = TOP

T1 = TOP UPPER LAYER

T2 = TOP LOWER LAYER

TLL = TOP LOWER LAYER

TUL = TOP UPPER LAYER U/N = UNLESS NOTED OTHERWISE

V = VERTICAL WF1 = WALL FOOTING NUMBER

1 ISSUED FOR TENDER

RELEVANT TO THE PROJECT

4. DO NOT SCALE DRAWINGS

. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL

3. ADDITIONAL INFORMATION MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK, SUCH DRAWINGS WILL HAVE THE SAME MEANING AND INTENT AS IF THEY WERE INCLUDED WITH THE DRAWINGS IN

SURGENOR TRUCK CENTRE

RENOVATION - STORAGE BUILDING

PYE & RICHARDS ARCHITECTS INC.

FOUNDATION PLAN

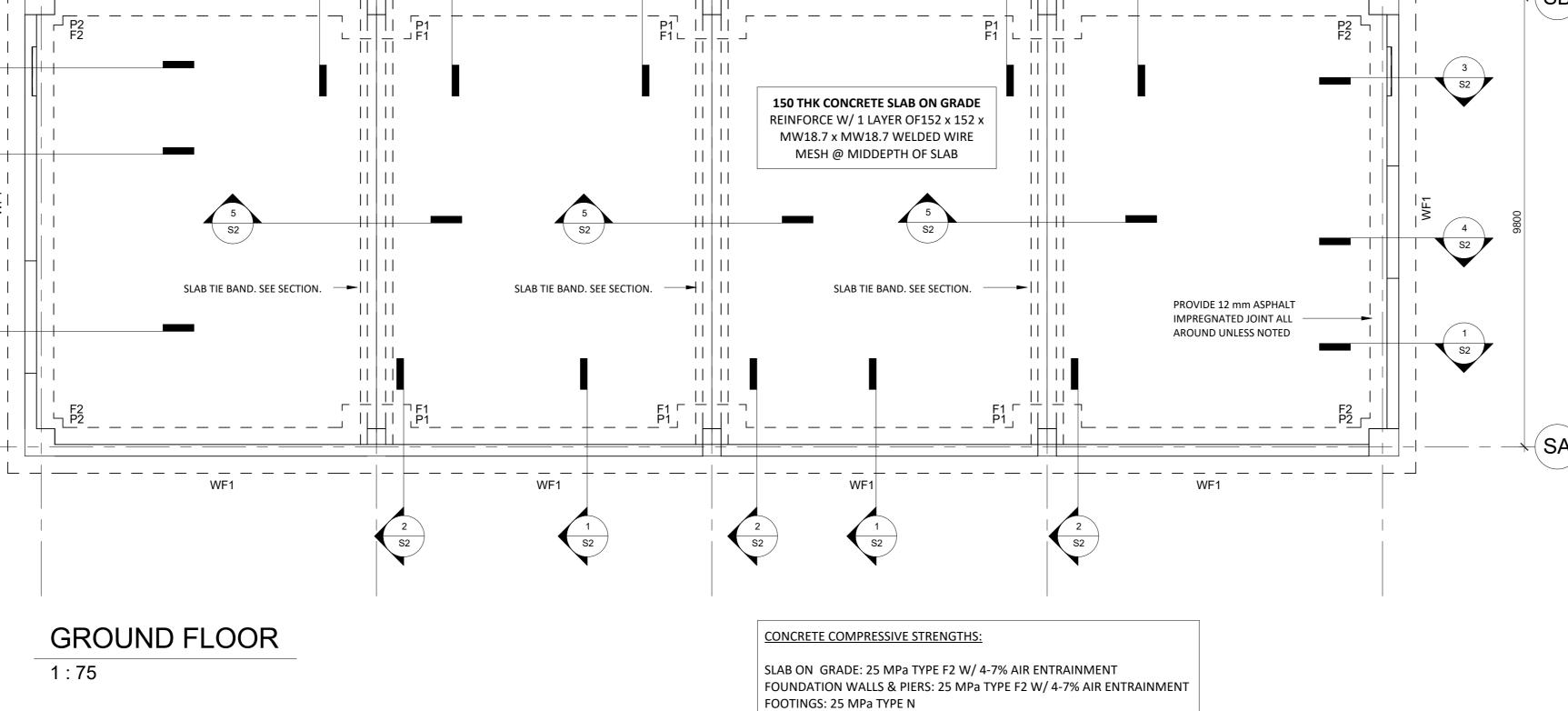


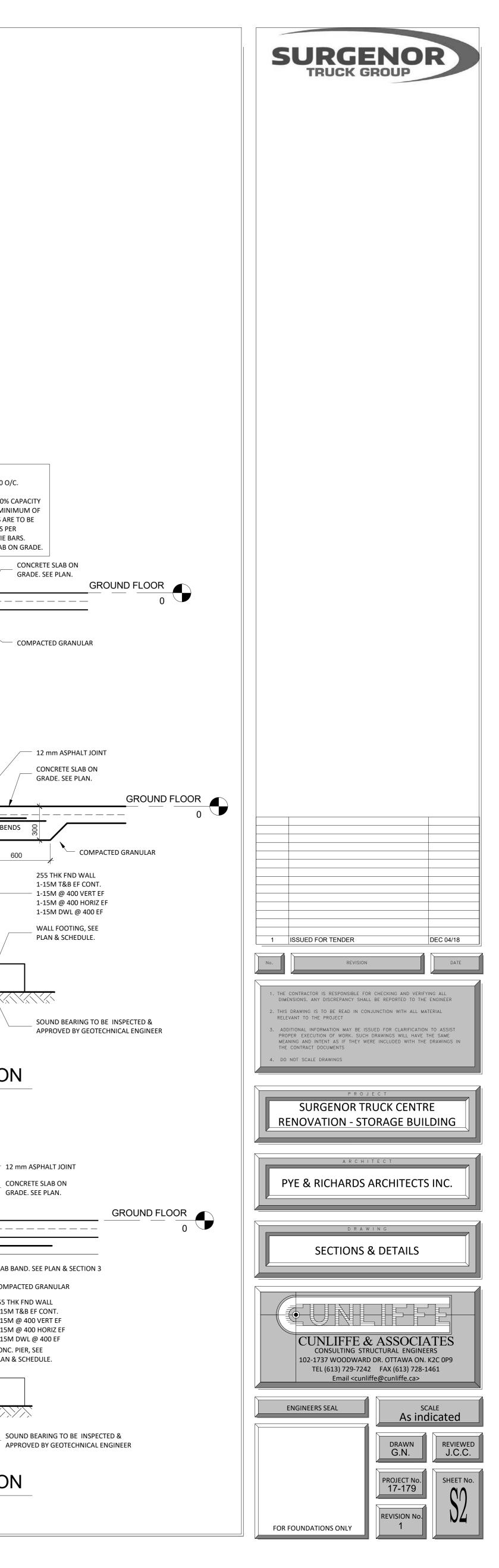
ENGINEERS SEAL

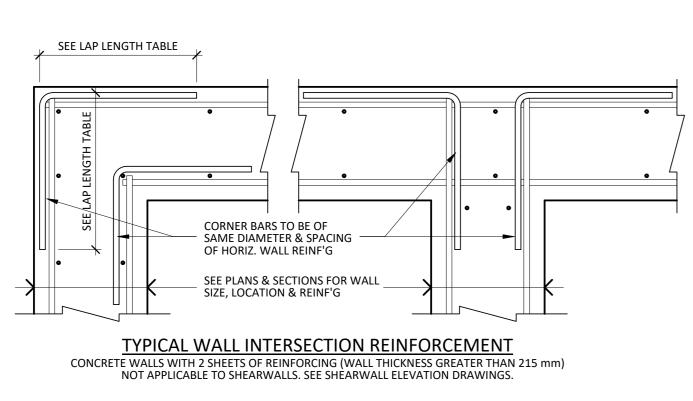
FOR FOUNDATIONS ONLY

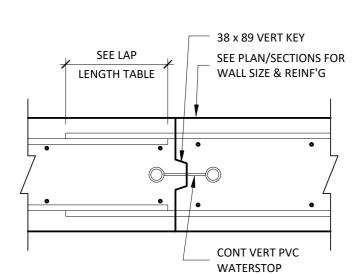


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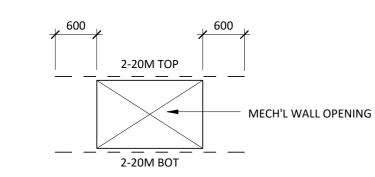




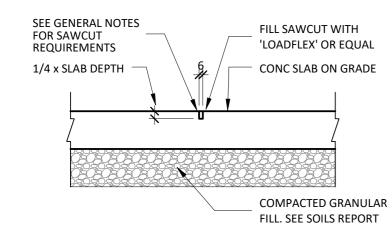


TYPICAL WALL CONSTRUCTION JOINT DETAIL

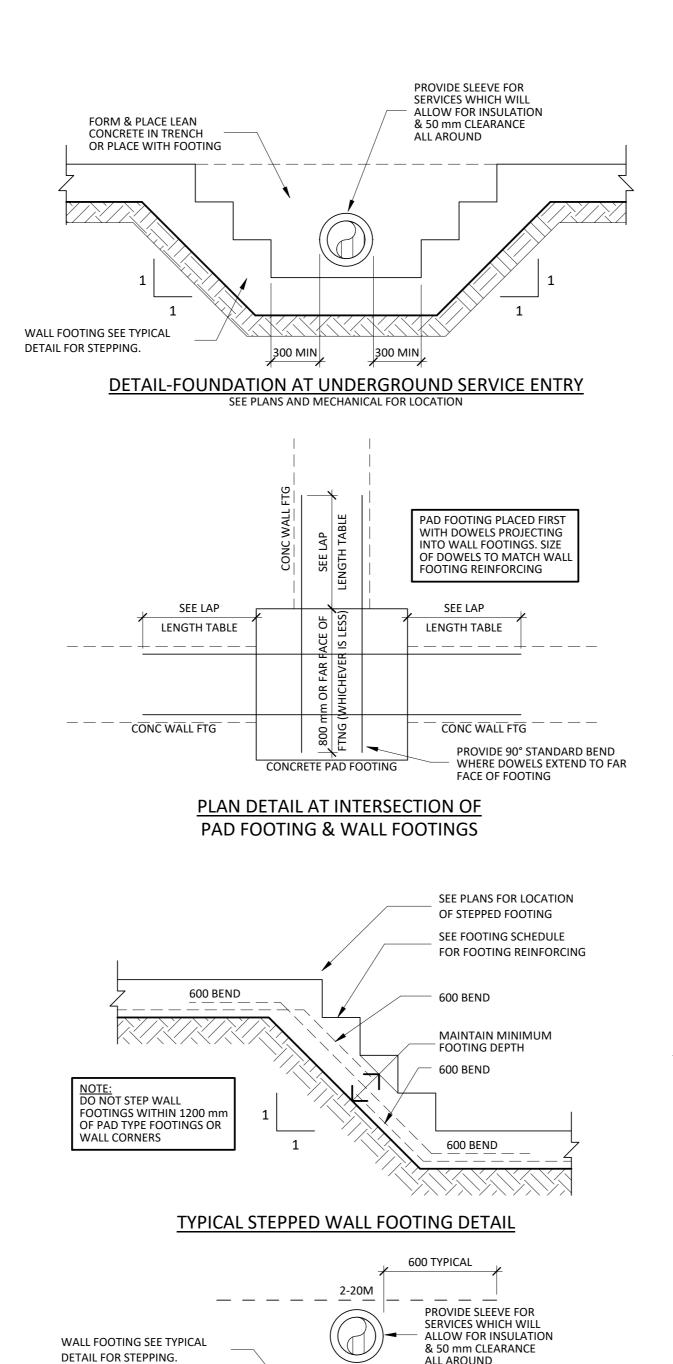
MAXIMUM SPACING OF CONSTRUCTION JOINTS TO BE 20 meters



TYPICAL DETAIL AT CONCRETE WALL OPENING U/N



TYPICAL SAWCUT IN SLAB ON GRADE DETAIL



ALL AROUND

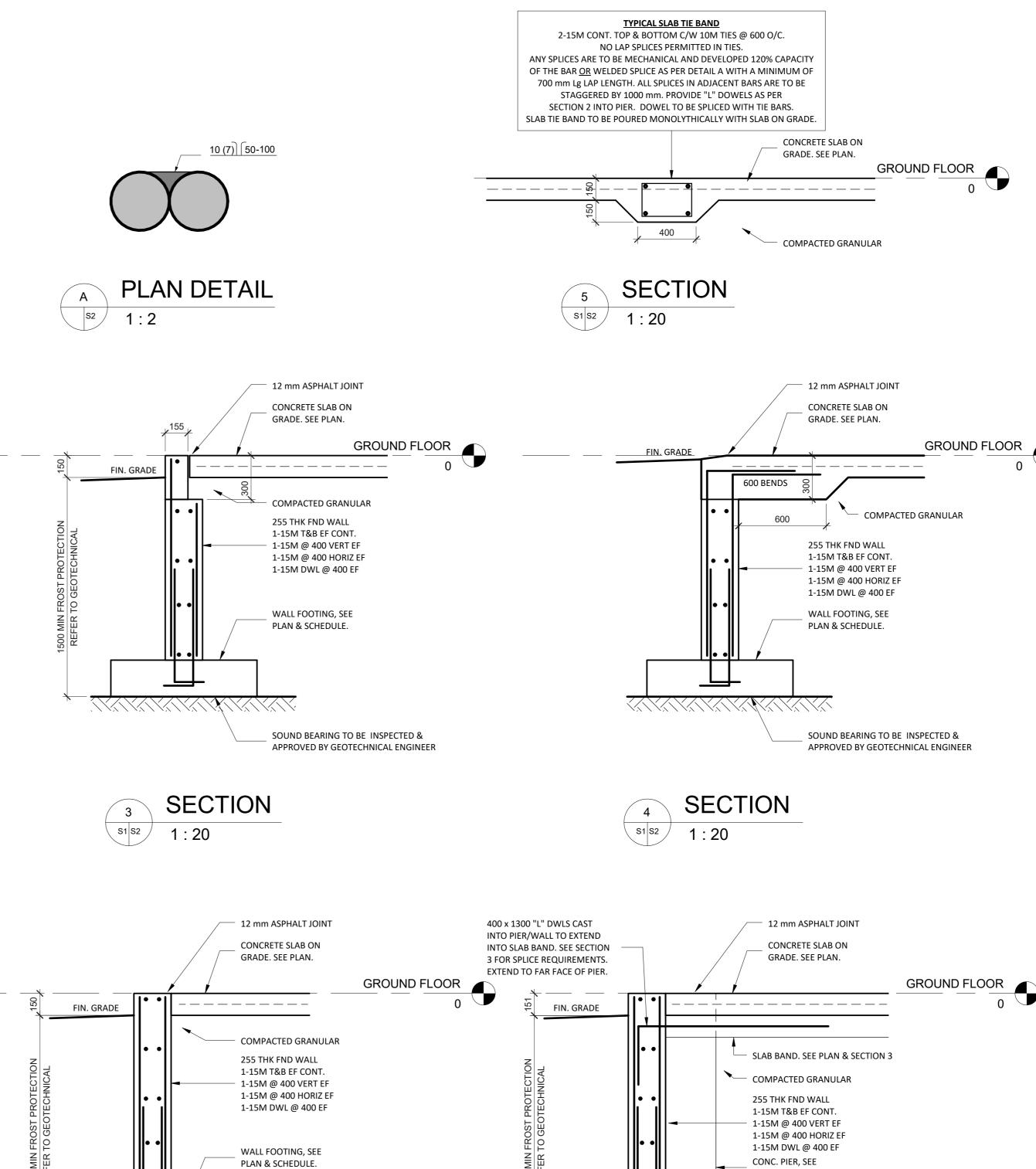
DETAIL-FOUNDATION AT SAN & STORM ENTRY SEE PLANS AND MECHANICAL FOR LOCATION

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SECTION SECTION

SOUND BEARING TO BE INSPECTED &

APPROVED BY GEOTECHNICAL ENGINEER



PLAN & SCHEDULE.

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SECTION

WALL FOOTING, SEE

PLAN & SCHEDULE.