GENERAL

- 1. ALL CONCRETE WORK, INCLUDING MATERIALS, MIXING, PLACING, CURING AND FORMWORK SHALL BE IN ACCORDANCE WITH CSA A23.1.
- 2. TESTING OF CONCRETE AND CONCRETE MATERIALS SHALL BE IN ACCORDANCE WITH CSA A23.2.
- 3. FALSEWORK AND FORMWORK SHALL BE IN ACCORDANCE WITH CSA S269.1 (R2019).
- 4. UNLESS NOTED OTHERWISE, ALL EXPOSED CORNERS SHALL BE FINISHED WITH 20mm CHAMFER.

REINFORCING STEEL

- 1. REINFORCING STEEL SHALL BE DEFORMED STEEL BARS IN ACCORDANCE WITH CSA G30.18, GRADE 400R.
- 2. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED, PLACED AND SUPPORTED IN ACCORDANCE WITH THE REINFORCING STEEL INSTITUTE OF CANADA MANUAL OF STANDARD PRACTICE AND CSA A23.3, UNLESS NOTED OTHERWISE.
- 3. UNLESS INDICATED OTHERWISE, REINFORCING TO BE EXTENDED INTO ADJACENT CONCRETE ELEMENTS AND DEVELOPED WITH A STANDARD HOOK OR LAP SPLICE.
- 4. PROVIDE DOWELS TO MATCH REINFORCING IN ALL PIERS, COLUMNS, WALLS AND CURBS. PROVIDE CLASS 'B' TENSION LAP SPLICE UNLESS NOTED OTHERWISE AND FULLY EMBED. / DEVELOP REINFORCING.
- 5. REINFORCING SHALL BE EFFECTIVELY CONTINUOUS AT ALL CORNERS AND INTERSECTIONS. HOOK AND SPLICE AS REQUIRED.
- 6. STANDARD HOOKS SHALL BE USED UNLESS NOTED OTHERWISE.
- 7. SPLICE REINFORCING AS INDICATED ON STRUCTURAL DRAWINGS OR OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.

CONCRETE COVER

1.	CONCRETE COVER TO REINFORCING BARS SHALL BE AS FOUNDATIONS - CAST AGAINST SOIL: FOUNDATIONS - NOT CAST AGAINST SOIL: WALLS:	75 mm 50 mm 40 mm		
•	MAINTAIN SPECIFIED CONCRETE COVER AT ALL SLOPES	5, DEPRESSIONS, CORNERS AND C	HANGES IN ELEVATI	ON / THICKNESS.
СС	DNCRETE MIXES			
			CE WITH CSA A33 1 T	O ACHIEVE THE
•	UNLESS NOTED OTHERWISE, PROPORTION NORMAL D FOLLOWING PERFORMANCE CHARACTERISTICS:	ENSITY CONCRETE IN ACCORDAN		
-	,	28-DAY	EXPOSURE	ENTRAINED
LO	FOLLOWING PERFORMANCE CHARACTERISTICS:		-	
LO FO	FOLLOWING PERFORMANCÉ CHARACTERISTICS:	28-DAY STRENGTH	EXPOSURE CLASS	ENTRAINED
LO FO RE	FOLLOWING PERFORMANCE CHARACTERISTICS: CATION DTINGS	28-DAY STRENGTH 25 MPa 25 MPa 25 MPa SCHEDULES TAKE PRECEDENCE C	EXPOSURE CLASS F-2 F-2 OVER ABOVE VALUES	ENTRAINED AIR CONTENT - 5 - 8%
LO FO RE	FOLLOWING PERFORMANCE CHARACTERISTICS: CATION DTINGS TAINING WALLS CONCRETE STRENGTHS NOTED ON SPECIFIC PLANS OR	28-DAY STRENGTH 25 MPa 25 MPa 25 MPa 25 MPa SCHEDULES TAKE PRECEDENCE ONERWORK IENT UNLESS SPECIFIED OTHERWORK	EXPOSURE CLASS F-2 F-2 OVER ABOVE VALUES	ENTRAINED AIR CONTENT
LO FO	FOLLOWING PERFORMANCE CHARACTERISTICS: CATION DTINGS TAINING WALLS CONCRETE STRENGTHS NOTED ON SPECIFIC PLANS OR CONCRETE SHALL BE TYPE GU OR GUb PORTLAND CEN	28-DAY STRENGTH 25 MPa 25 MPa 25 MPa 25 MPa SCHEDULES TAKE PRECEDENCE ONERWORK IENT UNLESS SPECIFIED OTHERWORK	EXPOSURE CLASS F-2 F-2 OVER ABOVE VALUES	ENTRAINED AIR CONTENT

DESIGN LOADS

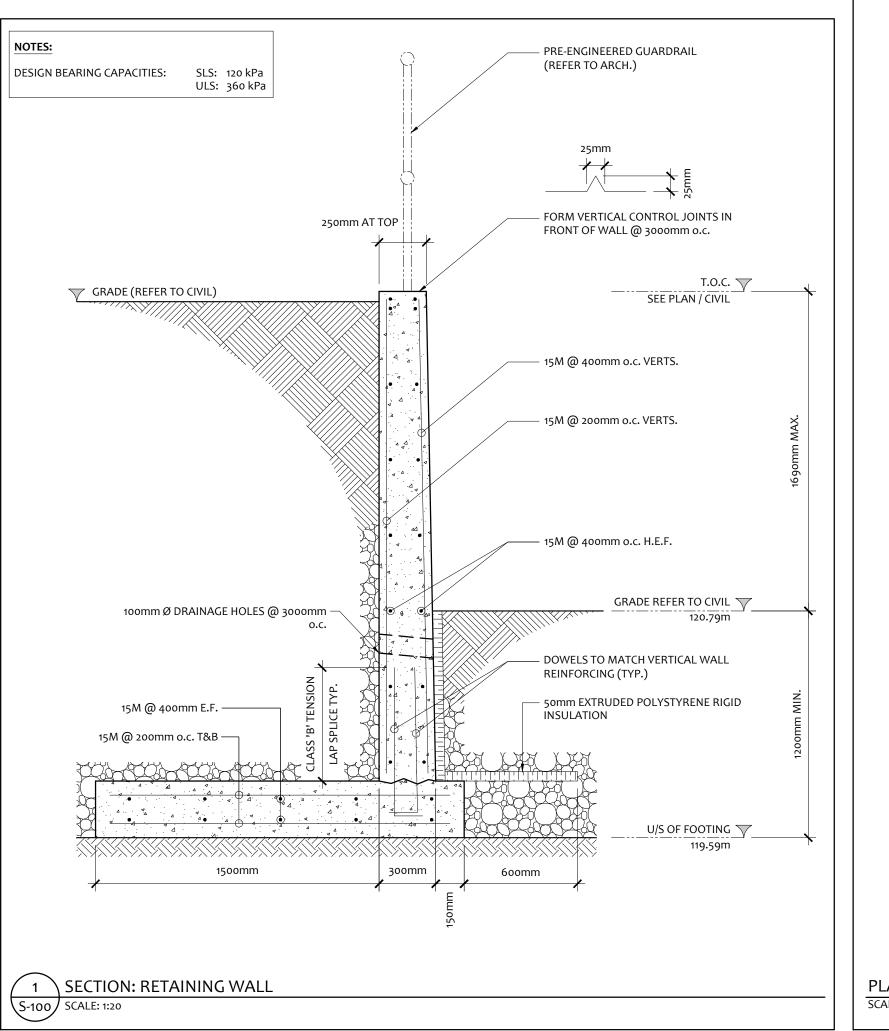
GROUND LEVEL SURCHARGE (LIVE LOAD): ACTIVE SOIL PRESSURE COEFFICIENT (Ka): UNIT WEIGHT OF BACKFILL:	12 kPa 0.33 20 kN∙m ³				
DESIGN BEARING PRESSURES					
IN ACCORDANCE WITH RECOMMENDATIONS	OF GEOTECHNICAL REPORT # 230403 BY KOLAARD ASSOCIATES (TO BE CONFIRMED ON				

SITE DURING CONSTRUCTION): SERVICEABILITY LIMIT STATE (SLS): ULTIMATE LIMIT STATE (ULS).

120 kPa 360 kPa NOTE: TOP OF WALL ELEVATIONS ARE FOR REFERENCE ONLY - DETERMINED AND SPECIFIED BY CIVIL ENGINEER - REFER TO GRADING PLAN.

> 300mm THICK CAST-IN-PLACE — CONCRETE FOOTING (SEE SECTION)

300mm CAST-IN-PLACE CONCRETE —



SCALE: 1:150

