

REVISIONS

NO.	DATE	PARTICULAR
1	2025.04.02	ISSUED FOR TENDER
2	2025.04.15	ISSUED FOR PERMIT

GENERAL

- DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE ONTARIO BUILDING CODE LATEST EDITION AND NATIONAL BUILDING CODE LATEST EDITION.
- CONTRACTOR SHALL CHECK ALL DIMENSIONS ON WORKING DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. ANY CHANGES, ALTERATIONS OR REVISIONS MUST BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. DRAWINGS SHALL NOT BE SCALED.
- THESE DESIGN DOCUMENTS ARE PREPARED SOLELY FOR THE USE BY THE PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS ENTERED INTO A CONTRACT AND THERE ARE NO REPRESENTATIONS OF ANY KIND MADE BY THE DESIGN PROFESSIONAL TO ANY PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS NOT ENTERED INTO A CONTRACT.
- UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, NO PROVISION HAS BEEN MADE IN THE DESIGN FOR CONDITIONS OCCURRING DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING AND SHORING REQUIRED FOR THE STRESSES AND INSTABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL SUCH MEASURES. IT SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL NECESSARY BRACING, SHORING, SHEET, PILING OR STRUCTURES AFFECTED BY THIS WORK.
- DESIGN LIVE LOADS SHALL NOT BE EXCEEDED DURING CONSTRUCTION.
- ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS - O.REG.213.
- THESE DRAWINGS SHALL BE COORDINATED AND READ IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- WHERE THERE IS A CONFLICT IN THE SPECS AND/OR DRAWINGS THE MORE STRINGENT SHALL APPLY UNLESS APPROVED OTHERWISE IN WRITING BY THE ENGINEER.
- ALL SPECIFICATIONS LISTED ARE TO LATEST EDITIONS IN FORCE AT TIME OF TENDERING.

FOUNDATIONS

- REFER TO THE FOLLOWING GEOTECHNICAL INVESTIGATION REPORT: NOT AVAILABLE.
- REMOVE ALL TOPSOIL, ORGANIC AND LOOSE FILL MATERIAL FROM BUILDING AREA BEFORE STARTING CONSTRUCTION.
- PROOF ROLL EXISTING FILL MATERIAL REMOVE ANY LOOSE OR SOFTENED AREAS BEATHEN SLAB ON GRADE BEFORE PLACING GRANULAR FILL.
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR APPROVED ENGINEERED FILL WITH A MINIMUM SERVICEABILITY LIMIT STATE (SLS) BEARING CAPACITY OF 100 kPa AND A MINIMUM FACTORED ULTIMATE STATE (ULS) BEARING CAPACITY OF 150 kPa. THIS IS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER PRIOR TO POURING FOOTINGS.
- APPROVED ENGINEERED FILL UNDER FOOTINGS AND FLOOR SLABS SHALL BE COMPAKTED IN 150mm LAYERS TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- ALL EXTERIOR FOOTINGS SHALL BE MINIMUM 1200mm WITH NATURALLY INSULATED (I.E. SNOW COVER) AND 1400mm BELOW EXPOSED SURFACE (I.E. ADJACENT SIDEWALKS, ETC.) BELOW FINISHED EXTERIOR GRADE TO PROTECT THESE FOOTINGS FROM FROST ACTION. CONSULT GEOTECHNICAL ENGINEER FOR INSULATION REQUIREMENTS WHERE SOIL COVER CANNOT BE ATTAINED.
- ANY NECESSARY PRECAUTIONS SHALL BE TAKEN TO ENSURE THAT EXISTING FOOTINGS ARE NOT DISTURBED UNDERRUN IN ANY WAY DURING EXCAVATION.
- SOIL CONDITIONS, REINFORCING STEEL AND FORMWORK SHALL BE INSPECTED BY THE ENGINEER BEFORE POURING CONCRETE. CONTRACTOR SHALL GIVE ENGINEER A MINIMUM 24 HOURS NOTICE TO CARRY OUT INSPECTION.
- THE LINE OF SLOPE BETWEEN ADJACENT FOOTING OR EXCAVATIONS SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10 UNLESS APPROVED BY THE GEOTECHNICAL ENGINEER.
- DO NOT BACKFILL AGAINST FOUNDATION WALLS UNTIL SUPPORTING SLABS HAVE BEEN POURED, UNLESS BRACING DETAILS ARE SUBMITTED, WHERE POSSIBLE BACKFILL BOTH SIDES OF WALLS SIMULTANEOUSLY.

CONCRETE

- CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO CSA STANDARD A23.3:19.
- CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CSA STANDARD A23.1:19/A23.2:19.
- FALSEWORK AND FORMWORK SHALL CONFORM TO CSA S269.1-16.
- CONCRETE EXPOSED TO THE WEATHER SHALL HAVE 5%-8% AIR ENTRAINMENT.
- REINFORCEMENT SHALL BE DEFORMED BARS AND CONFORM TO CAN/CSA G30.18, GRADE 400MPa.
- REINFORCING STEEL SHALL BE DETAILED, BENT, PLACED AND SUPPORTED TO CONFORM TO ACI STANDARDS 315 AND THE MANUAL OF STANDARD PRACTICE PUBLISHED BY THE REINFORCING STEEL INSTITUTE OF ONTARIO.
- WELDING OF REINFORCING STEEL SHALL NOT BE PERMITTED.
- UNLESS NOTED OTHERWISE MINIMUM REINFORCING STEEL TENSION / COMPRESSION LAP LENGTHS TO BE:
10M 450 mm (18') / 450 mm (18')
15M 600 mm (24') / 450 mm (18')
20M 800 mm (32') / 600 mm (24')
25M 1200 mm (48') / 750 mm (30')
30M 1400 mm (56') / 900 mm (36')
- ALL REINFORCING STEEL FABRICATION AND PLACEMENT DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BEFORE FABRICATION.
- CONCRETE COVER FOR REINFORCEMENT SHALL CONFORM TO CSA STANDARD A23.3:19 TABLE 17 AS FOLLOWS UNLESS OTHERWISE NOTED:
'C' CLASSES PERTAIN TO CHLORIDE EXPOSURE
'F' CLASSES PERTAIN TO FREEZING AND THAWING EXPOSURE WITHOUT CHLORIDE;
'N' CLASS IS EXPOSED NEITHER CHLORIDES NOR FREEZING AND THAWING:
EXPOSURE CLASS I EXPOSURE CLASS II EXPOSURE CLASS III & C-3
PERMANENTLY EXPOSED TO EARTH 75 mm 75 mm 75 mm
BEAMS, GIRDERS & COLUMNS 30 mm 40 mm 60 mm
SLABS 20 mm 40 mm 60 mm
WALLS 30 mm 40 mm 60 mm
RATIO OF COVER TO NOMINAL BAR DIAMETER 1.0 1.5 2.0
RATIO OF COVER TO MAXIMUM AGGREGATE SIZE 1.0 1.5 2.0
- CONCRETE:
 - ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 25MPa MINIMUM AND CLASS OF EXPOSURE IS CLASS N UNLESS OTHERWISE SPECIFIED. DESIGN MIX SHALL BE SUBMITTED FOR PROJECT ENGINEER'S REVIEW PRIOR TO USE AT JOB SITE.
 - CONCRETE FOR EXTERIOR SLABS ON GRADE, GARAGE FLOORS, PORCHES, STEPS, PAVEMENTS, SIDEWALKS, CURBS AND GUTTERS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 32MPa C/W 5%-8% AIR ENTRAINMENT AND CLASS OF EXPOSURE IS CLASS C-2, MAXIMUM WATER-TO-CEMENTING MATERIALS RATIO IS 0.45.
 - CONCRETE FOR INTERIOR SLABS ON GRADE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 25MPa AND CLASS OF EXPOSURE IS CLASS N, MAXIMUM WATER-TO-CEMENTING MATERIALS RATIO IS 0.50. IF SUPERPLASTICIZER ('SUPER P') IS USED SLUMP BEFORE ADDING 'SUPER P' IS 50mm-100mm, AFTER 'SUPER P' IS 125mm-175mm. 'SUPER P' TO BE INCLUDED IN CONTRACT PRICE.
 - CONCRETE FOR EXTERIOR WALLS & COLUMNS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 25MPa C/W 4%-7% AIR ENTRAINMENT AND CLASS OF EXPOSURE IS CLASS F-2, MAXIMUM WATER-TO-CEMENTING MATERIALS RATIO IS 0.55.
 - CONCRETE FOR FOOTINGS, INTERIOR WALLS & COLUMNS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 25MPa AND CLASS OF EXPOSURE IS CLASS N.
 - STRUCTURALLY REINFORCED CONCRETE EXPOSED TO CHLORIDES WITH OR WITHOUT FREEZING AND THAWING CONDITIONS SHALL HAVE A 56 DAY COMPRESSIVE STRENGTH OF 35MPa C/W 5%-8% AIR ENTRAINMENT AND CLASS OF EXPOSURE IS CLASS C-1, MAXIMUM WATER-TO-CEMENTING MATERIALS RATIO IS 0.40. FOR EXAMPLE PARKING DECKS AND RAMPS.
 - SLUMP OF CONCRETE TO BE 50mm-100mm OR AS OTHERWISE SPECIFIED. CONCRETE (WITHOUT SUPERPLASTICIZER 'SUPER P') WITH 110mm SLUMP OR MORE IS TO BE REJECTED.
 - SPACING OF CONTROL JOINTS IN CONCRETE SLABS SHALL NOT EXCEED 4.5m (15'-0") O.C.
 - ALL CONCRETE FORMS TO BE WET THOROUGHLY BEFORE POURING CONCRETE.
 - DO NOT ADD WATER TO CONCRETE ON SITE UNLESS WRITTEN APPROVAL GIVEN BY THE ENGINEER. IF HIGHER SLUMP CONCRETE IS DESIRED, CONCRETE SUPPLIER SHALL DESIGN AND SUPPLY ACCORDINGLY.
 - SLOPE ALL FLOORS AS SHOWN ON ARCHITECTURAL OR MECHANICAL DRAWINGS.
 - CONSTRUCTION JOINTS FOR FOUNDATION WALLS ARE BASED ON VERTICAL JOINTS AT A MAXIMUM SPACING OF 10m (32'-0") COULD BE APPROXIMATELY 10M. ALL MATERIAL CONCRETE JOINTS IN SLABS WHERE FOUNDATION WALLS ARE NOT SEPARATED FROM SLABS. CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED BY THE ENGINEER BEFORE CONSTRUCTION. GENERALLY, JOINTS IN SLABS SHALL BE AT 90 DEGREES TO THE SPANS, AT MID-SPAN IF POSSIBLE AND BE CLEAR OF SUPPORTS AND POINT LOADS.
 - INSTALL STANDARD ADJUSTABLE INSERT AND ALL OTHER CAST-IN-INSERT AS REQUIRED BY THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
 - PROVIDE SLEEVES IN WALLS FOR MECHANICAL PIPING.

20. INSERTS, FRAME-OUTS, SLEEVES, BRACKETS, CONDUITS AND FASTENING DEVICES, SHALL BE INSTALLED AS REQUIRED BY THE ENGINEER AND SECURED IN A MANNER THAT SHALL NOT IMPAIR THE STRUCTURAL STRENGTH OF THE SYSTEM, BE SO INSTALLED THAT IT SHALL NOT REQUIRE THE CUTTING, BENDING OR DISPLACEMENT OF THE REINFORCING OTHER THAN AS SHOWN ON THE TYPICAL DETAILS.

21. ELECTRICAL CONDUIT SHALL NOT PASS THROUGH A COLUMN. SHALL NOT BE LARGER THAN ONE-THIRD THE SLAB THICKNESS OR CHASE BEAM IN WHICH IT IS EMBEDDED. SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER UNLESS APPROVED AND HAVE A MINIMUM CONCRETE COVER OF 25mm (1") AND UNLESS SPECIFICALLY PERMITTED OTHERWISE SHALL NOT REST HORIZONTALLY IN A FOUNDATION WALL.

22. PROVIDE OPENINGS OR DEPRESSIONS IN SLABS AS REQUIRED BY OTHER TRADES.
23. OPENINGS AND DRIVEN FASTENERS REQUIRED IN THE CONCRETE AFTER THE CONCRETE IS PLACED IT SHALL BE APPROVED BY THE ENGINEER BEFORE PROCEEDING.

24. WATER CURING OF CONCRETE SLAB ON GRADE IS REQUIRED, MINIMUM 7 DAYS.

25. NON-SHRINK GROUT SHALL BE AN APPROVED PREMIXED PROPRIETARY PRODUCT.

26. DRY-PACKED GROUT SHALL BE I 1 PART PORTLAND CEMENT TO 1.5 PARTS OF SAND TO 2 PARTS OF 9mm PEA GRAVEL WITH ONLY SUFFICIENT WATER TO DAMPEN THE MIXTURE. COMPRESSIVE STRENGTH SHALL BE 50MPa AT 28 DAYS.

27. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED FINISH TO EXPOSED CONCRETE. FLOOR FINISHES SHALL CONFORM TO CSA STANDARD A23.1:19 CLASS A FINISH UNLESS NOTED.

28. ALL HONEYCOMBING SHALL BE CUT OUT AND FILLED TO THE SATISFACTION OF THE ENGINEER.

29. APPLY A HARDENER AS SPECIFIED TO ALL CONCRETE FLOOR SLABS THAT ARE TO REMAIN EXPOSED AS NOTED. APPLY CURING/SEALING COMPOUND, CONFORMING TO ASTM C309, AS SPECIFIED TO ALL FLOOR SLABS UNLESS A TOPPING IS TO BE APPLIED.

JOINTS

CONSTRUCTION JOINT

1. SUBMIT PROPOSED JOINT LOCATION TO THE ENGINEER FOR APPROVAL UNLESS SHOWN ON DRAWINGS.

2. DO NOT PLACE SLABS OR WALLS IN ONE CONTINUOUS POUR IN LENGTHS EXCEEDING 30.0m (100'-0").

3. LOCATE SLAB CONSTRUCTIONS JOINTS AT HIGH POINTS.

4. UNLESS NOTED, ALL WALLS AND COLUMNS SHALL BE POURED IN ONE LIFT (FLOOR TO FLOOR). FOR WALLS AND COLUMNS OVER 3.7m, SUBMIT SHOP DRAWINGS FOR FORMWORK AND PLACING.

CONTROL JOINT

IN CONCRETE WALLS:
CONTROL JOINTS IN PERIMETER FOUNDATION WALLS BELOW GRADE SHALL BE @ 9.0m (30'-0") MAXIMUM UNLESS SHOWN OTHERWISE ON ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS.

IN CONCRETE SLABS:
REFER TO SLAB NOTES AND DETAILS FOR SAWCUTS. WHERE NOT SHOWN, CONTROL JOINTS (SAWCUTS) IN CONCRETE SLABS SHALL NOT EXCEED 4.5m (15'-0") O.C.

EXPANSION JOINT

FILL JOINTS IN SLABS WITH SPECIFIED BACKING AND JOINT FILLER AS SOON AS POSSIBLE OR PROTECT JOINTS FROM DAMAGE AT SLAB EDGES DURING CONSTRUCTION.

SLAB ON GRADE (INTERIOR)

1. SLAB ON GRADE TO BE PLACED ON COMPACTED GRANULAR MATERIAL. COMPACTION TESTS ON FILL MATERIAL TO BE CARRIED OUT PRIOR TO SLAB ON GRADE PLACEMENT.

2. REINFORCEMENT TO SLAB ON GRADE MUST BE SUPPORTED BY CHAIRS AT MID-DEPTH UNLESS OTHERWISE LEVEL INDICATED ON DRAWINGS.

3. PROVIDE SAWCUTS WITHIN 24 HOURS OF FINISHING AT LOCATIONS SHOWN ON DRAWINGS. SAWCUT DEPTH TO BE 1/4 OF SLAB THICKNESS. SAWCUT AS CLOSE TO COLUMNS AS PRACTICAL. FILL SAWCUTS WITH NON-METALLIC CONTROL JOINT FILLER (RIGID JOINT SEALANT SIKA LOADFLEX OR SEMI-RIGID EPOXY JOINT FILLER REZI-WELD FLEX BY W. R. MEADOWS OR ALTERNATE MATERIALS APPROVED EQUAL).

4. PROVIDE 10mm ASPHALT IMPREGNATED FIBRE BOARD AND CAULKING AROUND ALL COLUMNS AND ALONG ALL WALLS.

5. MAINTAIN MINIMUM SPECIFIED THICKNESS AT ALL DEPRESSION AND CHANGES IN ELEVATIONS.

6. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS OF ALL FINISHES AND DEPRESSIONS.

7. PROVIDE COLD WEATHER PROTECTION TO PREVENT SLAB ON GRADE FROM HEAVING AND FROZEN.

GENERAL SLAB NOTES

1. ENSURE MINIMUM 1-15M TOP AND 1-15M BOTTOM CONTINUOUS AT ALL SLAB EDGES BY ADJUSTING BAR LENGTH OR PROVIDING ADDITIONAL TOP & BOTTOM EDGE BARS AS REQUIRED.

2. LAP TEMPERATURE REINFORCEMENT (CLASS 'B' LAP) BUT NOT LESS THAN 300 mm. STAGGER LAPS OR LAP AT SUPPORTS.

REINFORCING STEEL

1. REINFORCEMENT STEEL DETAILED TO BE IN ACCORDING WITH REINFORCING STEEL INSTITUTE OF ONTARIO (RSIO) MANUAL OF STANDARD PRACTICE AND WITH THE LATEST EDITION OF CSA CAN-3-A23.1:19 AND CAN-3-A23.3:19 FOR SPlicing NOTED:

SPlices: ALL REINFORCING STEEL LAP SPLICES SHALL CONFORM TO LATEST CSA A23.3:19.

COLUMNS: COMPRESSION SPlices UNLESS NOTED OTHERWISE.

WALLS & ALL OTHERS: CLASS 'B' TENSION SPlices UNLESS NOTED OTHERWISE.

INCREASE HORIZONTAL SPlice LENGTHS BY 1.3 TIMES WHERE MORE THAN 300mm OF FRESH CONCRETE IS CAST BELOW SPlice.

REINFORCING CHAIRS

1. PROVIDE CHAIRS, SPACER BARS, SUPPORT BARS AND OTHER ACCESSORIES TO SUPPORT REINFORCING IN ACCORDANCE WITH THE LATEST EDITIONS OF CSA A23.1:19 AND A23.3:19. CHAIRS TO BE PLASTIC, PLASTIC TIPPED OR CONCRETE. ALL TIE WIRE, CHAIRS AND BAR SUPPORTS USED FOR COATED REINFORCING SHALL BE NON-METALLIC OR PROTECTED WITH AN ACCEPTABLE COATING.

2. CHAIRS SHALL BE SPACED AT 1200mm O.C. MAXIMUM. PROVIDE CONTINUOUS CHAIRS WHERE POSSIBLE.

OPENING AND SLEEVES

1. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND TO SHOP DRAWINGS OF ALL TRADES FOR EXACT LOCATION AND EXTENT OF OPENINGS AND SLEEVES REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS.

2. OBTAIN THE APPROVAL OF THE STRUCTURAL ENGINEER FOR OPENINGS REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS. DO NOT CORE DRILL, SAWCUT OR OTHERWISE PRODUCE OPENINGS OF ANY SIZE, IN ANY STRUCTURAL MEMBER WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

3. ALL REQUIRED OPENINGS SHALL BE DETAILED FOR PLACEMENT PRIOR TO PLACING CONCRETE. CORING OR SAW CUTTING FOR OPENINGS AFTER CASTING SHALL NOT BE PERMITTED AS AN ALTERNATE METHOD OF PROVIDING OPENINGS. ALL DRAINS SHALL BE SET PRIOR TO CONCRETE PLACING.

4. CAST IN SLEEVES SHALL GENERALLY NOT BE PERMITTED WITHIN 600mm OF A COLUMN FACE UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER. CORED OPENINGS SHALL GENERALLY NOT BE PERMITTED WITHIN 1.10 TIMES THE SLAB (PLUS DROP PANEL) THICKNESS FROM THE FACE OF THE COLUMNS OR WALLS, UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER, AND WILL REQUIRE VERIFICATION OF THE REINFORCING BAR LOCATION PRIOR TO CORING.

5. ADDITIONAL REINFORCING AT OPENINGS IN FOUNDATION WALLS: FOR OPENING WIDTH 400-600 REINFORCEMENT WITH ADDITIONAL 3-15M AT TOP AND BOTTOM, EXTEND 600 BEYOND EACH SIDE OF OPENING. FOR OPENING WIDTH 600-800 REINFORCEMENT WITH ADDITIONAL 3-20M AT TOP AND BOTTOM, EXTEND 800 BEYOND EACH SIDE OF OPENING, FOR OPENING WIDTH 800-1000 REINFORCEMENT WITH ADDITIONAL 3-25M AT TOP AND BOTTOM, EXTEND 1000 BEYOND EACH SIDE OF OPENING, UNLESS NOTED ON THE PLAN. IN NO CASE SHOULD OPENING WIDTH EXCEED 1000. MINIMUM WALL HEIGHT ABOVE OPENING IS 600, MINIMUM WALL LENGTH BETWEEN ADJACENT OPENINGS IS 400.

MISCELLANEOUS CONCRETE

CONCRETE PADS

PROVIDE CAST IN PLACE EQUIPMENT BASES FOR MECHANICAL AND ELECTRICAL HARDWARE. CONTRACTOR TO COORDINATE EXTENT, LOCATION AND DIMENSION FROM MECHANICAL/ELECTRICAL SHOP DRAWINGS. SUBMIT LAYOUT DRAWING TO CONSULTANTS FOR REVIEW.

CONCRETE CURBS

PROVIDE CONCRETE CURBING AS SHOWN ON THE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS.

CHAMFERS AND REGLETS

PROVIDE CHAMFERS, REGLETS, REVETS, RECESSES AND THE LIKE AS SHOWN ON THE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS.

MASONRY

1. ALL MASONRY WALLS SHALL BE DETAILED BY BUR-O-WALL LADDER DESIGN (OR APPROVED EQUAL) HOT DIPPED GALVANIZED CONTINUOUS REINFORCEMENT AT EVERY SECOND COURSE 400mm. REINFORCEMENT SHALL BE INSTALLED IN THE FIRST AND SECOND BED JOINTS 200mm APART, IMMEDIATELY ABOVE LINTELS AND BELOW SILLS. REINFORCEMENT IN THE SECOND BED JOINT ABOVE LINTELS AND BELOW SILLS SHALL EXTEND 600mm BEYOND THE JAMB. ALL OTHER REINFORCEMENT SHALL BE CONTINUOUS AND SIDE RODS SHALL BE LAPED AT LEAST 150mm AT SPICES. REINFORCEMENT SHALL BE PLACED AS TO ASSUME 16mm MORTAR COVER ON THE EXTERIOR FACE OF WALL AND 12mm COVER ON THE INTERIOR FACE OF WALL. (SEE CONCRETE BLOCK WALL REINFORCING SCHEDULE).

2. TYPE S MORTAR SHALL BE USED THROUGHOUT FOR ALL LOAD BEARING WALLS.

TYPE N MORTAR SHALL BE USED FOR NON-LOAD BEARING PARTITIONS AND BRICK OR BLOCK VENEER.

3. MORTAR COMPRESSIVE STRENGTH: (JOB PREPARED MIX)

