GENERAL NOTES

1. CONSTRUCT WORK IN COMPLIANCE WITH ONTARIO BUILDING CODE AS AMENDED & REGULATIONS & BY–LAWS OF AUTHORITIES HAVING JURISDICTION.
2. CHECK & VERIFY ALL DIMENSIONS, DRAWINGS & SPECIFICATIONS ON SITE. REPORT DISCREPANCIES TO ARCHITECT BEFORE PROCEEDING WITH WORK.
3. DO NOT SCALE DRAWINGS.
4. COORDINATE WITH POLICE SERVICES AS REQUIRED TO ENSURE CONSTRUCTION PROCEEDS EFFICIENTLY & IN A TIMELY MANNER. BUILDING IS TO REMAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
5. PERFORM WORK IN ACCORDANCE WITH MINISTRY OF LABOUR REQUIREMENTS AS WELL AS OCCUPATIONAL HEALTH & SAFETY ACT.
6. ERECT & MAINTAIN SECURITY BARRIERS REQUIRED TO ENSURE SAFETY OF PUBLIC & BUILDING OCCUPANTS DURING CONSTRUCTION.
7. PROVIDE ALL ITEMS, MATERIALS, INCIDENTALS & SERVICES TO MAKE FINISHED WORK COMPLETE & FULLY OPERATIONAL CONSISTENT WITH INTENT OF DRAWINGS.
8. WHERE SPECIFIC PRODUCTS ARE SPECIFIED, SUPPLY & INSTALL SPECIFIED PRODUCT AS NOTED. SUBSTITUTIONS WITH PRODUCTS CONSIDERED EQUAL WILL NOT BE ACCEPTED WITHOUT ARCHITECT'S PRIOR APPROVAL.
9. APPLY ALL MATERIALS IN STRICT COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS.
10. WHERE EXECUTION OF NEW WORK AFFECTS EXISTING CONDITIONS, PATCH, REPAIR & MAKE GOOD AS REQUIRED TO MATCH EXISTING CONDITIONS.
11. AT THE END OF EACH WORK DAY DURING CONSTRUCTION PERIOD, REMOVE FROM SITE DEBRIS RESULTING FROM PERFORMANCE OF WORK.
12. CONFIRM EXACT LOCATION OF ALL BELOW–GROUND SERVICES WITH RESPECTIVE UTILITIES & AUTHORITIES HAVING JURISDICTION, PRIOR TO COMMENCING EXCAVATING.

SITE DEMOLITION NOTES

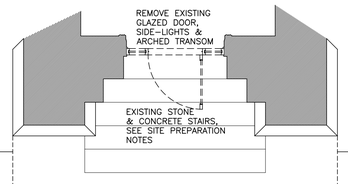
1. REMOVE EXISTING TEMPORARY WOODEN STAIRS AT ENTRY DOOR.
2. REVIEW CONDITION OF ORIGINAL STONE & CONCRETE STAIR BENEATH TEMPORARY STAIR. REMOVE ALL LOOSE MATERIAL & DETERMINE IF STAIR FOUNDATION IS INDEPENDENT OF BUILDING FOUNDATION. REVIEW FINDINGS WITH ARCHITECT & MUNICIPALITY PRIOR TO PROCEEDING WITH REMOVAL OF REMAINDER OF STAIR. FOR PURPOSES OF QUOTING SCOPE OF WORK, ASSUME STAIR FOUNDATION IS INDEPENDENT OF BUILDING FOUNDATION & INCLUDE REMOVAL.
3. FOUNDATION PLAN ILLUSTRATES EXTENT OF EXISTING CONCRETE SIDEWALK & PRECAST PAVING TO BE REMOVED. DO NOT DISTURB SUB–GRADE UNNECESSARILY BEYOND AREA REQUIRED TO BE EXCAVATED FOR FOUNDATION.
4. AT COMPLETION OF PROJECT & PERMISSION FROM BUILDING DEPT. TO OCCUPY STAIR, PLATFORM & RAMP, REMOVE EXISTING TEMPORARY WOODEN RAMP AT EAST SIDE & REAR OF BUILDING. REVIEW CONDITION OF SIDEWALK BELOW RAMP WITH ARCHITECT & MUNICIPALITY TO DISCUSS IF REPAIRS & REMEDIATION IS REQUIRED. IF REQUIRED, COST WILL BE DISBURSED FROM CASH ALLOWANCE OF $10,000.

Accessibility Improvements to the Cobourg Police Station

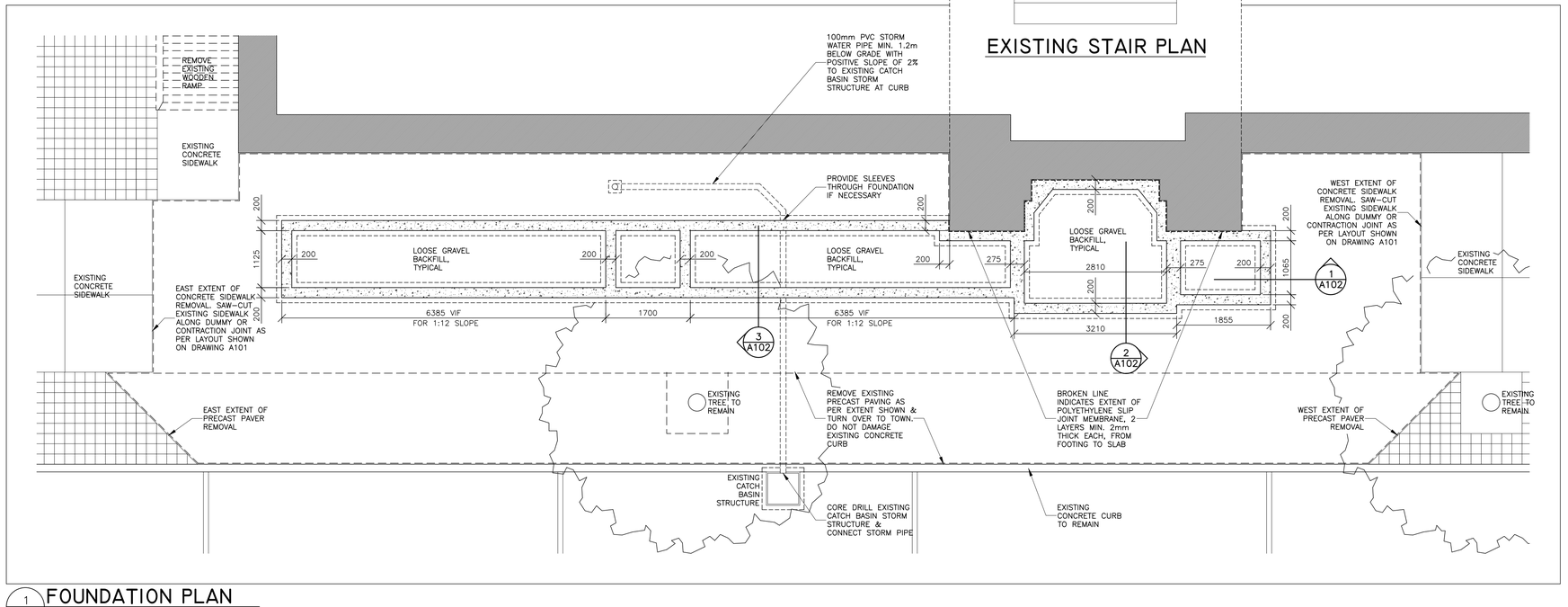
Cobourg Police Services
107 King Street West, Cobourg, ON K9A 2M4

New Entry Platform, Stair & Barrier-Free Ramp

Drawing Index



EXISTING STAIR PLAN



1 A001 FOUNDATION PLAN
SCALE 1:50

FOUNDATION PLAN NOTES

1. LENGTH OF RAMP IS BASED ON APPROXIMATE FIELD MEASUREMENTS TAKEN FROM HEIGHT OF ENTRY DOOR TO AVERAGE GRADE OF ADJACENT SIDEWALK. CONTRACTOR IS RESPONSIBLE TO CONFIRM STAIR RISER DIMENSIONS & VERIFICATION OF LENGTH OF RAMP FOR 1:12 SLOPE.
2. ENSURE ALL FOOTINGS BEAR ON UNDISTURBED SOIL GOOD FOR 1500 psf OR 72 kPa PRESSURE.
3. ARRANGE FOR GEO–TECHNICAL ENGINEER LICENSED TO PRACTICE ENGINEERING IN PROVINCE OF ONTARIO TO CONFIRM BEARING PRESSURE. COST FOR TESTING SHALL BE PAID DIRECTLY BY MUNICIPALITY.
4. NOTIFY ARCHITECT & ENGINEER IF FURTHER EXCAVATION IS NECESSARY TO ACHIEVE NOTED BEARING DESIGN PRESSURE.
5. STAIR, PLATFORM SLAB & RAMP SLAB HORIZONTAL REINFORCING STEEL IS TO BE PROVIDED WITH EPOXY COATING, INCLUDING DOWELS CAST INTO WALLS.
6. CONCRETE COMPRESSIVE STRENGTH AFTER 28 DAYS:
   –FOR FOOTINGS & WALLS BELOW GRADE, 20 MPa.
   –FOR WALLS ABOVE GRADE, PLATFORM, STAIR & RAMP, 32 MPa
   ALL CONCRET, 6% AIR ENTRAINMENT.
7. ARRANGE FOR TESTING OF CONCRETE COMPRESSIVE STRENGTH, 3 CYLINDERS FOR WALLS & 3 CYLINDERS FOR SLABS. COST FOR TESTING SHALL BE PAID DIRECTLY BY MUNICIPALITY.

LEGEND

- EXISTING PRECAST PAVING TO REMAIN
- EXISTING BUILDING FOUNDATION
- LINE INDICATES EXTENT OF CONCRETE SIDEWALK & PRECAST PAVING TO BE REMOVED

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2	26.06.25	BUILDING PERMIT APPLICATION	RP
3	23.07.25	TENDER	RP

Accessibility Improvements Cobourg Police Station

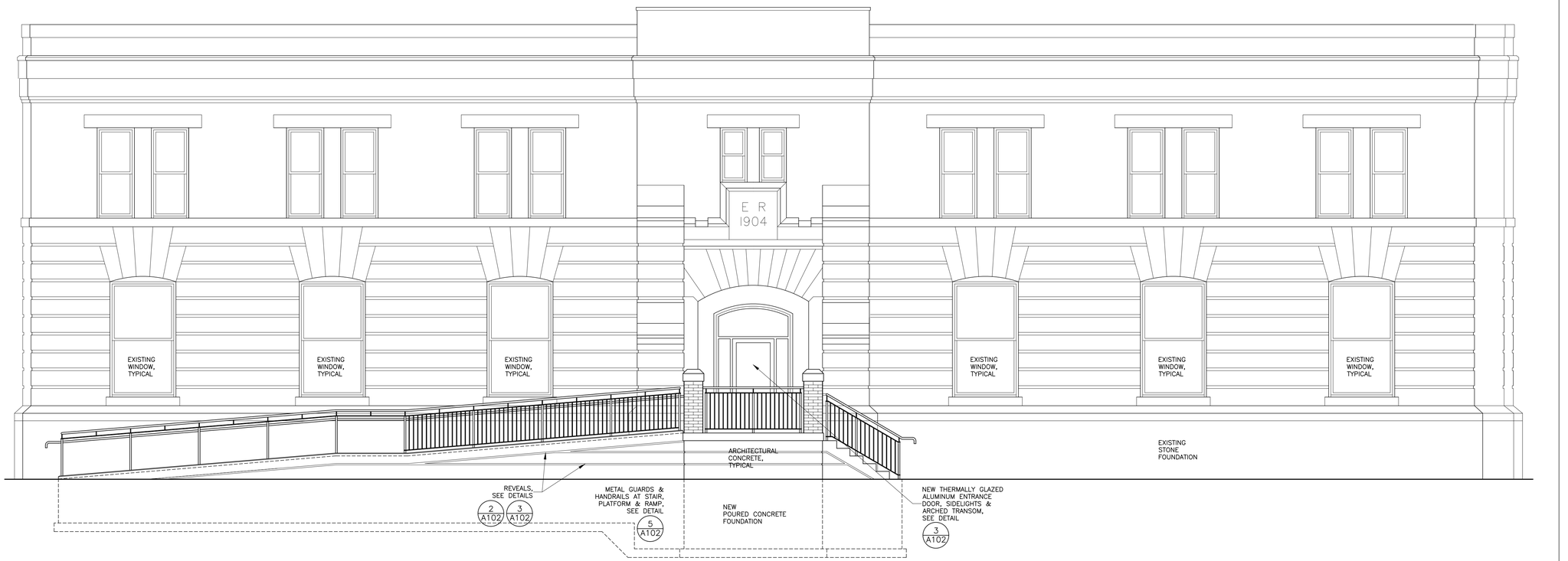
Cobourg Police Services
107 King St. W.
Cobourg, Ontario K9A 2M4

SHEET TITLE

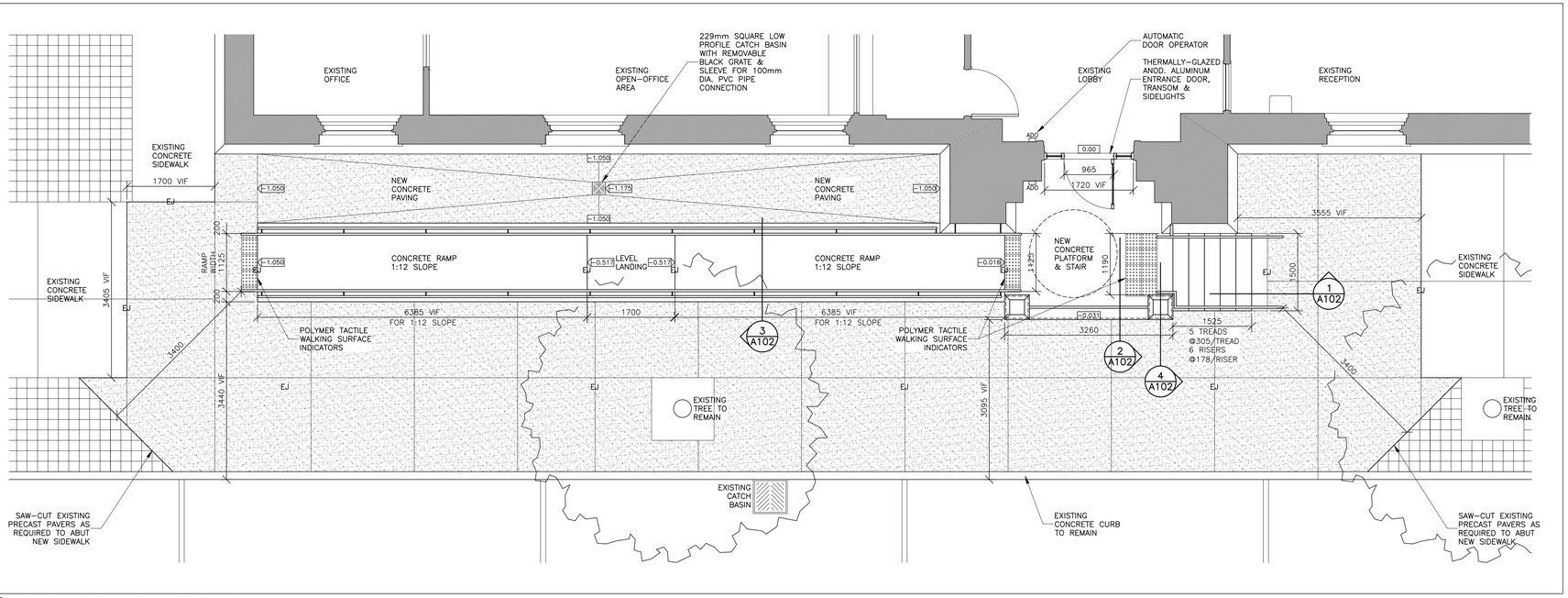
Title Sheet, General Notes & Foundation Plan

MODEL FILE:
DRAWN BY: RP
CHK'D BY: RP
PROJECT NO: 23.353

A001



2 A101 ELEVATION
SCALE 1:50



1 A101 STREET LEVEL PLAN
SCALE 1:50

STREET PLAN NOTES

1. PRIOR TO POURING CONCRETE SIDEWALKS & PAVING, ENSURE EXISTING & NEWLY PREPARED SUB-GRADE IS AS PER REQUIREMENTS NOTED IN SPECIFICATIONS.
2. THICKNESS OF SIDEWALK SLABS SHALL BE 150mm, EXCEPT WITHIN 1m OF STREET CURB, WHERE THICKNESS IS TO TRANSITION TO 200mm THICK. THICKNESS OF CONCRETE PAVING BETWEEN BUILDING FOUNDATION & RAMP SHALL BE 125mm.
3. AT SIDEWALK SLABS, PROVIDE 12mm THICK EXPANSION JOINT EVERY 6m OR WHERE DESIGNATED 'EJ' ON PLAN. INTERMEDIATE LINES 2m APART BETWEEN EXPANSION JOINTS ARE CONTRACTION JOINTS 5mm WIDE WITH DEPTH EQUAL TO 1/4 SLAB THICKNESS.
4. DO NOT TROWEL OR TOOL EDGES OF EXPANSION OR CONTRACTION JOINTS.
5. PROVIDE EXPANSION JOINT MATERIAL WHEREVER NEW SLABS ABUT EXISTING HARD SURFACES & FIXED OBJECTS, IE. EXISTING BUILDING FOUNDATION, EXISTING CURB, EXISTING SIDEWALK SLABS, NEW CONCRETE WORK, POLES, ETC.
6. PROVIDE CROSS FALL TRANSVERSE SLOPE AT NEW SIDEWALKS OF MAX. 3% THROUGHOUT REINSTATEMENT AREA. MATCH EXISTING SLOPE AT LIMITS. IF UNABLE TO DO SO, NOTIFY ARCHITECT & MUNICIPALITY OF MAX. SLOPE ACHIEVABLE TO SUIT EXISTING CONDITIONS PRIOR TO POURING CONCRETE SIDEWALKS.

LEGEND

- NEW DATUM, REFERENCE EXISTING SPOT ELEVATION IN FRONT OF EXISTING ENTRY DOOR
- NEW CONCRETE SIDEWALK
- EXISTING PRECAST PAVING TO REMAIN
- EXISTING BUILDING

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Accessibility Improvements Cobourg Police Station

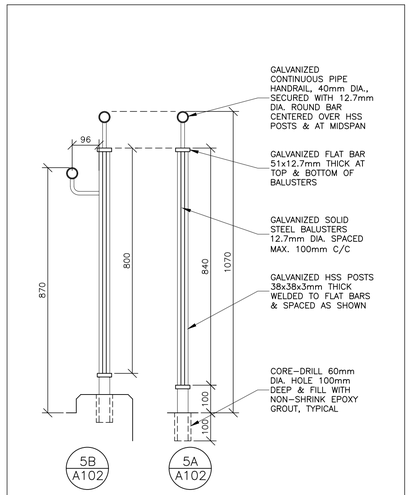
Cobourg Police Services
107 King St. W.
Cobourg, Ontario K9A 2M4

SHEET TITLE

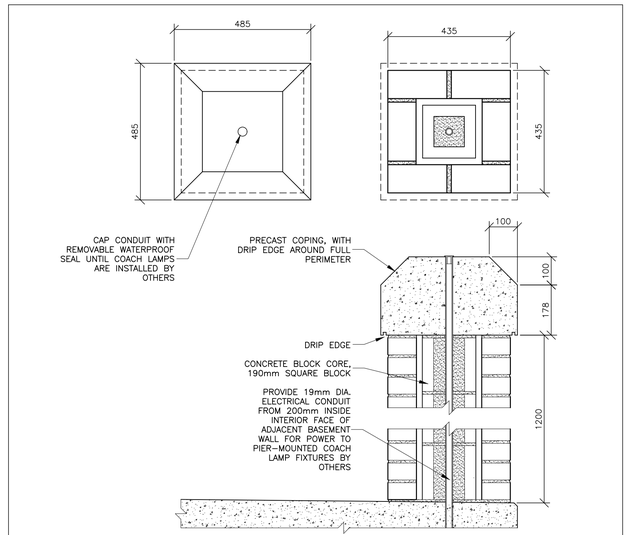
Platform, Stair & Ramp Plan & Elevation

MODEL FILE:
DRAWN BY: RP
CHK'D BY: RP
PROJECT NO: 23.353

A101



5 A102 GUARD SECTIONS
SCALE 1:10



4 A102 PIER DETAILS
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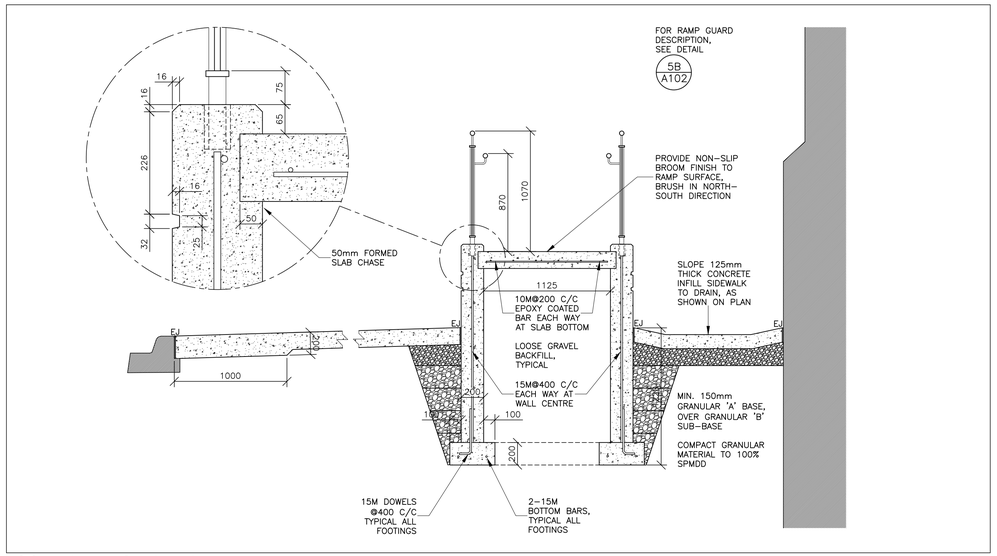
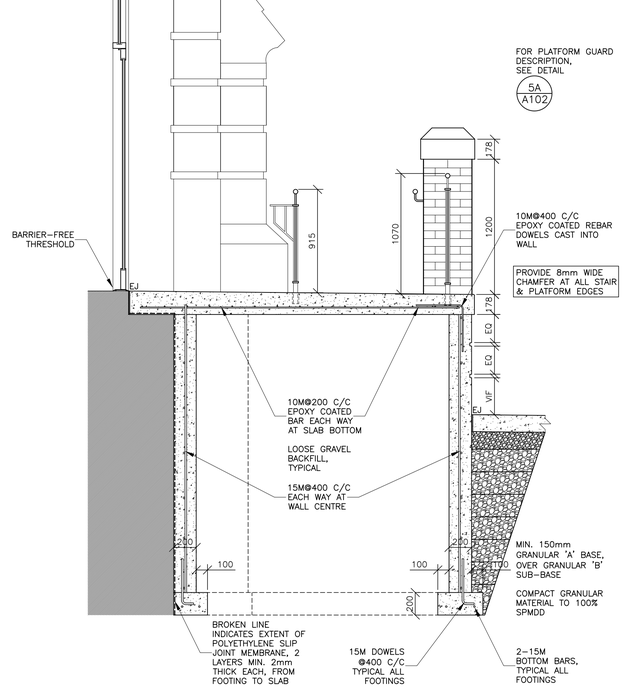
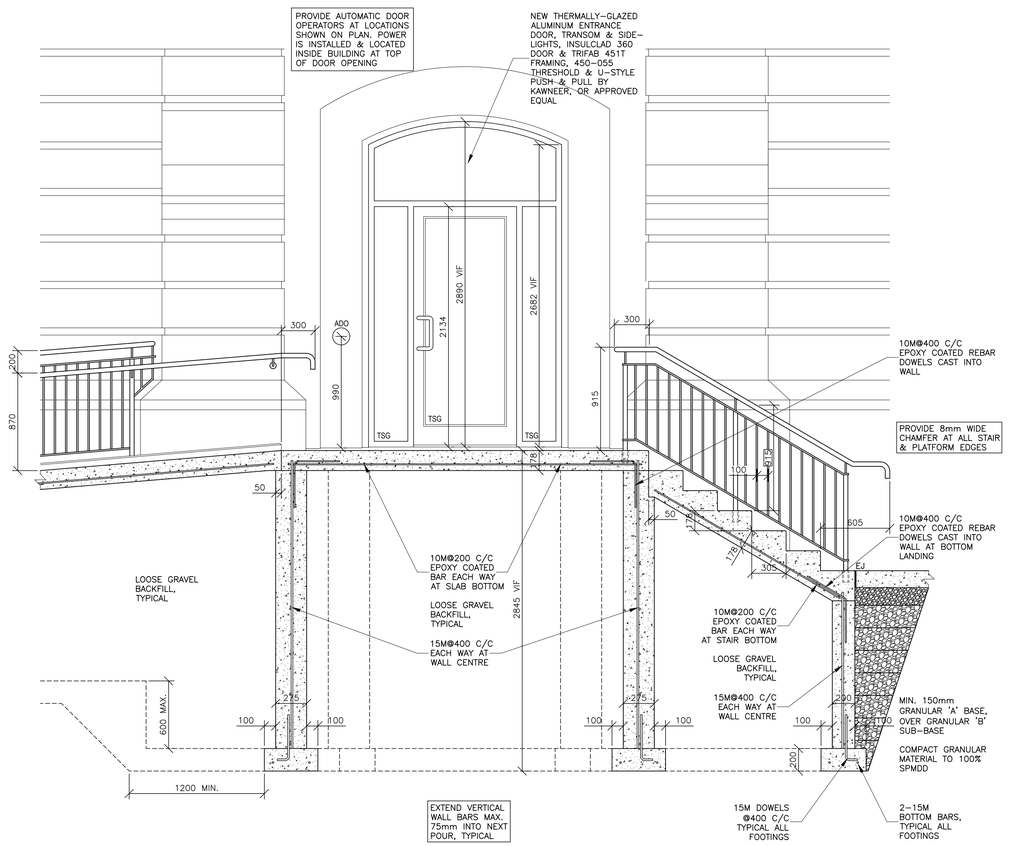


3 A102 RAMP SECTION
SCALE 1:25



2 A102 PLATFORM SECTION
SCALE 1:25



1 A102 PLATFORM-STAIR SECTION
SCALE 1:25

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Accessibility Improvements Cobourg Police Station

Cobourg Police Services
107 King St. W.
Cobourg, Ontario K9A 2M4

SHEET TITLE

Platform, Stair & Ramp Sections & Details

MODEL FILE:
DRAWN BY: RP
CHK'D BY: RP
PROJECT NO: 23.353

A102

SPECIFICATIONS

SELECTIVE DEMOLITION

1 PROTECT AREA SURROUNDING SELECTIVE DEMOLITION WITH 1.5m HIGH METAL SAFETY FENCE. COORDINATE SAFETY FENCE LOCATION WITH MUNICIPAL STAFF TO ENSURE PEDESTRIAN MOVEMENT IS DIRECTED SAFELY AROUND WORK AREA.

2 BRACE LOAD-BEARING ELEMENTS TO ENSURE WORK AT NO TIME IS IN DANGER OF SHIFTING OR ENDANGERING SAFETY OF WORKERS OR BUILDING OCCUPANTS.

3 REMOVE CAREFULLY THE FOLLOWING ITEMS & TURN OVER TO MUNICIPAL STAFF:
- -PRECAST CONCRETE PAVERS. RETAIN SUFFICIENT NUMBER OF PAVERS FOR REINSTATEMENT AT EDGES OF NEW CONCRETE SIDEWALK.

4 DEMOLISH EXISTING TEMPORARY WOODEN STAIR & LANDING AT MAIN STATION ENTRY DOOR AS PER INSTRUCTIONS IN SITE DEMOLITION NOTES ON DRAWING A001.

5 REMOVE EXISTING SIDEWALK TO EXTENT SHOWN ON STREET LEVEL PLAN DRAWING A101 & FOUNDATION PLAN DRAWING A001. SAW-CUT EXISTING SIDEWALK IN STRAIGHT LINE ALONG EXISTING JOINTS AS SHOWN WITH POWER DRIVEN ABRASIVE CUTTING DISC. WET DOWN AREA WHERE POSSIBLE TO KEEP DUST EMISSION TO MINIMUM.

6 REMOVE PRECAST PAVERS TO EXTENT SHOWN ON FOUNDATION PLAN DRAWING A001.

7 DEMOLISH EXISTING GLAZED ENTRANCE SCREEN, DOOR, SIDE-LIGHTS & ARCHED TRANSOM IN PREPARATION FOR INSTALLATION OF NEW ALUMINUM GLAZED ENTRY DOOR, SIDELIGHTS & ARCHED TRANSOM.

8 DEMOLISH EXISTING TEMPORARY RAMP ON EAST SIDE & REAR OF STATION AS PER SITE DEMOLITION NOTES ON DRAWING A001.

9 REPAIR & MAKE GOOD DAMAGE TO EXISTING FINISHES & SUBSTRATES CAUSED DURING PERFORMANCE OF SELECTIVE DEMOLITION WORK, UNLESS NOTED OTHERWISE.

10 REMOVE & DISPOSE OF DEMOLITION DEBRIS UNLESS NOTED OTHERWISE ON DRAWINGS.

SITE PREPARATION & INSPECTION

1 ESTABLISH LOCATION OF BELOW GROUND UTILITIES BEFORE COMMENCING WORK.

2 PROVIDE PROTECTION TO PREVENT DAMAGE TO EXISTING STRUCTURES, TREES, EXISTING UTILITIES, ADJACENT PROPERTY, ROADS & SIDEWALKS.

3 PREPARE LAYOUT OF LINES & GRADE STAKES FOR SITE WORK, EXCAVATION & BACKFILLING, FOOTINGS & FOUNDATION WALLS, & FOR FINAL GRADES.

4 PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT EARTH BY PROVIDING SHORING & BRACING IN ACCORDANCE WITH OCCUPATIONAL HEALTH & SAFETY ACT & MINISTRY OF LABOUR LEGISLATION & GUIDELINES.

5 THIRD PARTY TESTING &/OR INSPECTION IS REQUIRED TO:
- -CONFIRM NATIVE SOIL BEARING CAPACITY BY GEO-TECHNICAL CONSULTANT FOR FOOTING & FOUNDATION PLACEMENT & PROVIDE WRITTEN REPORT.
- -REVIEW PLACEMENT OF REINFORCING STEEL.
- -CHECK CONCRETE COMPRESSIVE STRENGTH OF WALLS & SLABS, 3 CYLINDERS EACH.
- -CONFIRM BEARING CAPACITY OF COMPACTED FILL FOR SIDEWALKS.

WRITTEN REPORTS ARE TO BE SUBMITTED TO ARCHITECT FOR TESTING &/OR INSPECTIONS LISTED ABOVE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING TESTING & INSPECTIONS. COSTS FOR THIRD PARTY TESTING & INSPECTION WILL BE PAID DIRECTLY BY MUNICIPALITY.

EXCAVATION, BACKFILLING & GRADING

1 EXCAVATE TO BEAR ALL FOOTINGS ON NATIVE SOILS, TO MIN. 1.2m BELOW FINISHED GRADE OR AS SHOWN ON DRAWINGS FOR STAIR, PLATFORM & RAMP FOUNDATIONS.

2 NATIVE SUB-GRADE IS TO CONSIST OF NON-ORGANIC SOIL, FREE FROM RUBBISH, DEBRIS, CLAY CHUNKS, BOULDERS, ROCKS, BRICK OR CONCRETE FRAGMENTS GREATER THAN 150mm.

3 CORRECT OVER-EXCAVATION ERRORS BENEATH FOOTINGS BY FILLING BACK UP TO REQUIRED ELEVATION WITH 25 MPa CONCRETE. HAUL EXCESS MATERIAL NOT REQUIRED FOR BACK-FILLING TO DISPOSAL LOCATION OFF SITE.

4 REQUIRED BEARING CAPACITY IS NOTED ON DRAWING A001.

5 DE-WATER EXCAVATIONS TO ENSURE CONCRETE IS PLACED IN DRY CONDITIONS. NOTIFY ARCHITECT & ENGINEER IMMEDIATELY OF GROUNDWATER INFILTRATION DURING CONSTRUCTION.

6 KEEP EXCAVATION FREE OF STANDING WATER. PREVENT BOTTOM OF EXCAVATION FROM FREEZING & PROTECT FOOTINGS, WALLS, SLABS ON GRADE & ADJACENT SOILS FROM FREEZING & FROST ACTION AT ALL TIMES DURING CONSTRUCTION.

7 GRANULAR FILL FOR BACKFILLING IS TO MEET REQUIREMENTS OF ONTARIO PROVINCIAL STANDARD SPECIFICATIONS OPSS) FOR GRANULAR 'A' & 'B' MATERIAL. CRUSHED STONE FOR BACK-FILLING IS TO CONSIST OF WELL-GRADED 19mm CLEAN GRANULAR MATERIAL. SAND FILL IS TO CONSIST OF UNIFORM UNWASHED RIVER SAND OR CLEAN SAND FREE OF CLAY, SALTS & ORGANIC MATTER.

8 BACKFILL FOUNDATION WALLS WITH GRANULAR 'B' MATERIAL & PLACE IN MIN. 200mm DEEP LIFTS COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY. FOLLOW WITH GRANULAR 'A' MATERIAL IN MIN. 150mm DEEP LIFT & COMPACT TO 100% STANDARD PROCTOR DRY DENSITY.

9 EXCAVATED MATERIALS ARE NOT ACCEPTABLE FOR BACKFILLING, UNLESS DETERMINED TO BE ACCEPTABLE BY SOILS ENGINEER & FREE-DRAINING.

10 ALL EXTERIOR BACKFILL MATERIALS ARE TO BE COMPACTED FREE-DRAINING GRANULARS.

11 BACKFILL INSIDE STAIR, PLATFORM & RAMP WALLS WITH LOOSE GRAVEL. BACKFILL EVENLY ON EACH SIDE OF WALLS, OR AFTER WALLS HAVE ATTAINED ADEQUATE STRENGTH.

12 UNDER EXTERIOR CONCRETE PAVED AREAS & SIDEWALKS, BACKFILL WITH GRANULAR 'B' OR GRANULAR FILL IN LAYERS NOT EXCEEDING 100mm & COMPACT TO 100% STANDARD PROCTOR DRY DENSITY.

FORMWORK

1 DESIGN ALL FORMWORK & SCAFFOLDING AS REQUIRED TO APPLICABLE CODE REQUIREMENTS, FORMWORK & SUPPORTING FALSE WORK TO REQUIREMENTS OF CSA STANDARD A23.1 "CONCRETE MATERIALS & METHODS OF CONCRETE CONSTRUCTION", S369.1 "FALSE WORK FOR CONSTRUCTION PURPOSES", S269.3 "CONCRETE FORMWORK", & CSA 269.2 "ACCESS SCAFFOLDING FOR CONSTRUCTION PURPOSES".

2 VERIFY ALL LINES & LEVELS BEFORE COMMENCING CONSTRUCTION OF FORMWORK.

3 ENSURE FORMS ARE SUFFICIENTLY RIGID & WITH PROPER SURFACE TO PRODUCE FINISHED CONCRETE CONFORMING TO SHAPE, DIMENSIONS, LEVELS & FINISH REQUIRED ON DRAWINGS & WITHIN TOLERANCES OF CAN3-A23.1.

4 ARCHITECTURAL CONCRETE FINISH IS REQUIRED ON ALL STAIR, PLATFORM & RAMP VERTICAL SURFACES & TOP OF RAMP CURBS.

5 CONSTRUCT FORMS FOR EASY REMOVAL WITHOUT HAMMERING OR PRYING AGAINST CONCRETE SURFACES. KERF WOOD RECESSES FOR EASY REMOVAL & COAT INSIDE SURFACES OF FORMS WITH FORM RELEASE AGENT BEFORE PLACING REINFORCING STEEL, ANCHORING DEVICES & EMBEDDED PARTS.

6 PROVIDE 45 DEG. CHAMFER ON ALL CONCRETE CORNERS EXPOSED TO VIEW AS SHOWN & DIMENSIONED ON DRAWINGS. PROVIDE HORIZONTAL REVEALS AS SHOWN & DIMENSIONED ON DRAWINGS.

7 LEAVE FORMWORK IN PLACE UNTIL CONCRETE HAS ATTAINED SUFFICIENT STRENGTH TO SUPPORT ITS OWN WEIGHT ADEQUATELY, INCLUDING ANY CONSTRUCTION LOADS LIKELY TO BE IMPOSED.

REINFORCING STEEL

1 SUBMIT REINFORCING DIAGRAMS FOR REVIEW BY ARCHITECT & ENGINEER PRIOR TO COMMENCING FABRICATION & PLACEMENT OF STEEL. DETAIL REINFORCING IN ACCORDANCE WITH RSIC MANUAL OF STANDARD PRACTICE, LATEST EDITION.

2 REINFORCING STEEL BARS ARE TO CONSIST OF DEFORMED BARS OF NEW BILLET-STEEL CONFORMING TO CSA G30.18, GRADE 400.

3 HORIZONTAL REINFORCING STEEL IN PLATFORM, RAMP & STAIRS IS TO BE PROVIDED WITH EPOXY COATING.

4 WELDED WIRE FABRIC IS TO CONFORM TO CSA G30.5, & TO BE PROVIDED IN FLAT SHEETS ONLY.

5 ENSURE EMBEDDED METALS ARE FREE OF GREASE & ANY AGENT THAT MAY INHIBIT BOND WITH CONCRETE.

6 SUPPORT ALL EMBEDDED METALS IN FORMS WITH STANDARD ACCESSORIES DESIGNED TO PREVENT MOVEMENT OF STEEL DURING CONCRETE PLACEMENT.

7 EXTEND HORIZONTAL REINFORCING AROUND CORNERS USING STANDARD HOOKS.

8 LAP SPLICES TO CONFORM TO CAN CAN3-A23.3, UNLESS NOTED OTHERWISE. ASSUME CLASS 'B' LAP SPLICES.
- -MIN. SPLICE LENGTH FOR 10M BAR, 400mm.
- -MIN. SPLICE LENGTH FOR 15M BAR, 600mm.
- -MIN. SPLICE LENGTH FOR 20M BAR, 800mm.

9 PROVIDE MIN. 75mm CLEAR CONCRETE COVER WHEN CONCRETE IS PLACED AGAINST GROUND, MIN. 50mm OR CLEAR COVER WHEN PLACED AGAINST FORM WORK OR EXPOSED TO WATER & WEATHER.

10 NOTIFY ARCHITECT & ENGINEER WHEN REINFORCING IS PLACED & READY FOR INSPECTION, PRIOR TO POURING CONCRETE.

CONCRETE & ARCHITECTURAL CONCRETE

1 PROVIDE MIXED, PLACED, CURED & TESTED CONCRETE IN CONFORMANCE WITH REQUIREMENTS OF CAN CSA-A23.1 & A23.2 FOR CONCRETE MATERIALS, METHODS OF CONSTRUCTION & TESTING.

2 SUBMIT SAMPLE OF FORM WORK, FORM TIES, EXPOSED FINE AGGREGATES, REVEAL & CHAMFER STRIPS FOR REVIEW & APPROVAL BY ARCHITECT.

3 PREPARE VERTICAL MOCK-UP PANEL MEASURING 1.2m x 1.2m BY 150mm THICK FOR APPROVAL OF APPEARANCE OF ARCHITECTURAL CONCRETE SURFACE FINISH, TRAPEZOIDAL REVEAL & CHAMFER FOR REVIEW & APPROVAL BY ARCHITECT & MUNICIPALITY.

4 NOMINAL AGGREGATE SIZE FOR ALL CONCRETE IS TO BE 19mm.

5 CONCRETE COMPRESSIVE STRENGTH AFTER 28 DAYS FOR FOOTINGS, FOUNDATION WALLS & SLABS IS NOTED ON DRAWING A101.

6 CONCRETE SLUMP IS REQUIRED TO BE:
- -19mm TO 75mm FOR FOOTINGS & FOUNDATION WALLS.
- -50mm TO 100mm FOR ABOVE GRADE WALLS & SLABS.
- -0mm TO 50mm FOR MASS CONCRETE.

7 PROVIDE AIR-ENTRAINMENT OF 6% FOR CONCRETE EXPOSED TO WEATHER.

8 AIR ENTRAINING AGENTS & CHEMICAL ADMIXTURES ARE TO CONFORM TO CAN/CSA A266.1 & CAN/CSA A266.2. DO NOT USE CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE.

9 VAPOUR BARRIER IS TO CONSIST OF 0.152mm OR 6 MIL THICK BLACK POLYETHYLENE SHEETING WHERE SHOWN OR NOTED ON DRAWINGS.

10 PROVIDE 12.7mm THICK BITUMINOUS FIBRE OR PVC EXPANSION JOINT FILLER WHERE EXPANSION JOINTS, ISOLATION JOINTS OR BREAK IN BOND IS REQUIRED.

11 REVIEW SIZES & LOCATIONS OF ALL PENETRATIONS REQUIRED THROUGH FOUNDATIONS & SLABS. INSTALL PIPE SLEEVES FOR STORM DRAINAGE PIPE SHOWN ON FOUNDATION PLAN & CONDUIT FOR ELECTRICAL FEED TO TOPS OF PIERS.

12 REINFORCE SLABS-ON-GRADE WITH WELDED WIRE FABRIC, 152x152 MW18.7/MW18.7, UNLESS NOTED OTHERWISE. ENSURE WELDED WIRE FABRIC DOES NOT BRIDGE ISOLATION JOINTS.

13 POUR OR PUMP CONCRETE AS CLOSE AS PRACTICALLY POSSIBLE TO FINAL POSITION TO AVOID SEGREGATION, & THOROUGHLY CONSOLIDATE TO AVOID HONEYCOMBING.

14 WHILE POURING, KEEP CONCRETE AT NOT LESS THAN 10 DEG. C OR MORE THAN 25 DEG. C WHEN AIR TEMPERATURE IS BELOW 5 DEG. C. MAINTAIN CONCRETE AT TEMPERATURE OF 10 DEG. C MIN. FOR 72 HOURS AFTER PLACING.

15 DURING POURING OF PLATFORM, STAIR & RAMP HORIZONTAL CONCRETE SLABS, INSTALL POLYMER CAST-IN-PLACE TACTILE ATTENTION INDICATOR TILES IN LOCATIONS SHOWN ON RAMP & PLATFORM. REFER TO STREET LEVEL PLAN ON DRAWING A101. PROVIDE ACCESS TILE CAST-IN-PLACE REPLACEABLE TACTILE ATTENTION DOMES, ONYX BLACK, AVAILABLE FROM COMPLIANCE SOLUTIONS CANADA, 1-877-761-5354. INSTALL TILE IN STRICT CONFORMANCE WITH MANUFACTURER'S INSTRUCTIONS.

16 INSTRUCTIONS FOR ARCHITECTURAL CONCRETE SCRUBBED FINISH: AFTER CONCRETE HAS ACHIEVED COMPRESSIVE STRENGTH OF 7 TO 10 MPa, APPLY SCRUBBED FINISH. WET VERTICAL SURFACES & TOP OF CURBS THOROUGHLY & SCRUB WITH STIFF FIBER OR WIRE BRUSHES USING WATER FREELY, UNTIL TOP MORTAR SURFACE IS REMOVED & AGGREGATE IS UNIFORMLY EXPOSED. RINSE SCRUBBED SURFACES WITH CLEAN WATER. MATCH FINISH OF APPROVED MOCK-UP SAMPLE.

17 AFTER HORIZONTAL PLATFORM, STAIR, & RAMP SURFACES & SIDEWALK SLABS HAVE RECEIVED FINAL TROWEL FINISH, IMPART TEXTURED SLIP-RESISTANT BROOM FINISH.

18 SAW-CUT CONTRACTION JOINTS TO DEPTH OF 1/4 SLAB THICKNESS WITHIN 7 TO 20 HOURS OF PLACING CONCRETE & AS SOON AS SLAB SURFACE FINISH WILL NOT BE MARRED BY SAW-CUTTING EQUIPMENT. SAW-CUT 5mm WIDE JOINTS.

19 EXPOSED CONCRETE IS TO BE FREE FROM HONEYCOMBING, VOIDS, LOSS OF FINES, VISIBLE FLOW LINES, COLD JOINTS, CHIPS & CRACKS, & IS TO MATCH APPROVED MOCK-UP SAMPLE TO SATISFACTION OF MUNICIPALITY & ARCHITECT.

20 PROTECT RAMP & SIDEWALKS FROM LOSS OF SURFACE MOISTURE FOR NOT LESS THAN 7 DAYS BY USING CURING COMPOUND CONFORMING TO CAN/CSA-A23.1., OR BY KEEPING CONTINUOUSLY MOIST AS ENVIRONMENTAL CONDITIONS MAY REQUIRE.

21 PROTECT FOOTINGS, WALLS, SLABS ON GRADE, & ADJACENT SOIL AGAINST FREEZING AT ALL TIMES DURING CONSTRUCTION.

MASONRY

1 PROVIDE CONCRETE BLOCK & BRICK MASONRY UNITS FOR 2 PIERS TO BE CONSTRUCTED ON POURED CONCRETE PLATFORM AS SHOWN ON DRAWINGS. BRICK SIZE & COLOUR IS TO MATCH BRICK OF EXISTING BUILDING.

2 PRIOR TO PROCURING BRICK, SUBMIT 3 SAMPLES FOR ARCHITECT & MUNICIPALITY TO APPROVE.

3 CONCRETE BLOCK CORE IS TO BE MODULAR CONCRETE MASONRY UNITS COMPLYING WITH CAN/CSA-A165.1, "CONCRETE MASONRY UNITS" & AS FOLLOWS:
- -S/15/A/M 75% SOLID.

4 FACE BRICK IS TO BE EXTRUDED ONTARIO SIZE COMPLYING WITH CAN/CSA-A82.1, TYPE FBS, GRADE SW, COLOUR & TEXTURE TO MATCH APPROVED SAMPLE.

5 MASONRY TIES FOR VENEER, ZINC-COATED Z275 GALVANIZED STEEL STRAP-TYPE TIES, MIN. 0.76mm THICK, MIN. 22mm WIDE, WITH HERRING-BONE EMBOSSED PATTERN.

6 WEEP-HOLE VENTS FOR BRICKWORK, POLYVINYL BRICK VENTS STANDARD IN SIZE, 63.5mm.

7 MORTAR IS TO COMPLY WITH CSA A179 FOR MORTAR MATERIALS, ENSURE MIXES CONFORM TO ONTARIO BUILDING CODE & AS FOLLOWS:
- -FOR CONCRETE BLOCK MASONRY UNITS, USE TYPE 'S' CEMENT MORTAR HAVING COMPRESSIVE STRENGTH OF 12.5 MPa.
- -FOR ONTARIO SIZE BRICK, USE MORTAR TYPE RECOMMENDED BY BRICK MANUFACTURER.

8 PRIOR TO COMMENCING LAYING CONCRETE BLOCK PIER CORES, ENSURE CONDUIT FOR ELECTRICAL FEED IS CORRECTLY LOCATED TO RUN THROUGH CONCRETE BLOCK CORES & IS PROTRUDING SUFFICIENTLY TO EXTEND TO TOP OF PRECAST COPING AT TOP OF PIERS.

9 LAY BRICK & CONCRETE BLOCK MASONRY UNITS WITH 10mm WIDE MORTAR JOINTS.

10 SECURE METAL TIES TO CONCRETE BLOCK CORE AT BOTH PIERS.

11 INSTALL WEEP HOLE VENTS IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS AT BOTTOM OF EXTERIOR WYTHES. SPACE NOT MORE THAN 600mm C/C HORIZONTALLY.

12 WHEN LAYING BLOCK & BRICK, KEEP MASONRY AT NOT LESS THAN 4 DEG. C. OR MORE THAN 48 DEG. C. WHEN AIR TEMPERATURE IS BELOW 4 DEG. C.

13 MAINTAIN MASONRY AT TEMPERATURE OF 4 DEG. C. MIN. FOR 72 HOURS AFTER LAYING.

STEEL STAIRS, GUARDS & RAILINGS

1 PROVIDE GALVANIZED METAL GUARDS & RAILINGS IN CONFORMANCE WITH REQUIREMENTS OF ONTARIO BUILDING CODE & AS SHOWN ON DRAWINGS.

2 SUBMIT SHOP DRAWINGS FOR REVIEW & APPROVAL BY ARCHITECT PRIOR TO COMMENCING FABRICATION.

3 FABRICATE PIPE RAILINGS & BALUSTRADES USING ASTM A53 GRADE A OR B, ANSI SCHEDULE 40, OR ANSI MT 1010/1015 PIPE TO SIZES SHOWN ON DRAWINGS.

4 PROVIDE SHOP & FIELD CONNECTIONS IN ACCORDANCE WITH PRACTICE OF METAL STAIR MANUAL OF NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS (NAAMM). MAKE JOINTS AT CONNECTIONS WITH HAIRLINE WIDTHS.

5 SUPPLY HOLLOW STRUCTURAL STEEL PIPE RAILINGS & BALUSTRADES IN ACCORDANCE WITH ASTM A500-C.

6 WELD IN ACCORDANCE WITH CSA W59. CONTINUOUSLY WELD CONNECTIONS BETWEEN HANDRAILS & BALUSTERS, & IN CONTINUOUS RUNS OF HANDRAILS.

7 GRIND ALL EXPOSED WELDS FLUSH & SMOOTH.

8 BENDS & JUNCTIONS ARE TO BE NEATLY MADE, WITHOUT FLATTENING HANDRAIL TUBE IN ANY WAY.

9 FOLLOWING FABRICATION, HOT-DIP GALVANIZE GUARD & RAILINGS IN ACCORDANCE WITH CSA G 164, LATEST EDITION. PROVIDE 6mm OR 1/4" DIA. HOLES AT UNDERSIDE OF RAILS WHERE REQUIRED TO PERMIT GASES TO ESCAPE DURING GALVANIZING PROCESS.

10 SECURE RAILING & GUARD POSTS TO PLATFORM SLAB, STAIRS & RAMP CURBS AS SHOWN ON DRAWINGS. WHERE HANDRAIL BRACKETS ARE REQUIRED, SECURE TO BRICK WITH STAINLESS STEEL BOLTS IN WEDGE OR SLEEVE ANCHORS.

ALUMINUM ENTRANCE SYSTEM

1 MATERIAL TO FABRICATE ALUMINUM DOORS & WINDOWS IS TO CONFORM TO CAN/CSA-A440.

2 SUBMIT SHOP DRAWINGS FOR REVIEW & APPROVAL BY ARCHITECT PRIOR TO PROCURING PRODUCT.

3 FABRICATE TO TOLERANCES OF:
- -2mm FOR FRAME DIMENSIONS OF 2m OR LESS.
- -3.5mm FOR FRAME DIMENSIONS GREATER THAN 2m.

4 SUPPLY MATERIAL TO SITE WITH STRIPPABLE PROTECTIVE PLASTIC COATING ON ALL EXPOSED SURFACES.

5 REFER TO DRAWINGS FOR SPECIFIC PRODUCTS TO BE SUPPLIED & INSTALLED. ALTERNATIVE PRODUCTS CONSIDERED EQUAL MUST BE APPROVED BY ARCHITECT BEFORE PROCURING.

6 USE FASTENER TYPES, FASTENER SPACING & ACCESSORIES IN CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

7 DOOR IS TO BE PROVIDED WITH:
- -EXTRUDED PVC THERMAL BREAK FOR IMPROVED ENERGY EFFICIENCY.
- -25mm THICK THERMAL GLAZING UNIT WITH LOW-E COATING & ARGON GAS.
- -CLEAR ANODIZED ALUMINUM FINISH.
- -JOINTS WELDED USING MANUFACTURER-PROVIDED ASSEMBLY BRACKETS.
- -REPLACEABLE WEATHER-STRIPPING & SURFACE-APPLIED 2-PART ADJUSTABLE BOTTOM SWEEP WITH MOHAIR BRUSH.

8 FRAMING IS TO BE PROVIDED WITH:
- -114.3mm DEEP FRAMING WITH 50.8mm SIGHT LINE.
- -THERMAL BREAK FOR IMPROVED ENERGY PERFORMANCE.
- -25mm THICK THERMAL GLAZING WITH LOW-E COATING & ARGON GAS.
- -BLAST MITIGATION & HURRICANE RESISTANCE.

9 PROVIDE ALL COMPONENTS FOR COMPLETE WATERTIGHT & WEATHER-TIGHT OPERATING SYSTEM FOR EACH DOOR & SCREEN ASSEMBLY, INCLUDING CONCEALED CLOSERS, CYLINDER LOCKS, REPLACEABLE WEATHER STRIPPING, & DOOR SWEEPS.

10 PROVIDE WEEP HOLES IN HORIZONTAL FRAMING MEMBERS AS REQUIRED TO PERMIT DRAINAGE TO EXTERIOR.

11 FIELD-APPLY ISOLATION PRODUCTS & COATINGS TO ALUMINUM IN CONTACT WITH DISSIMILAR METALS OR CEMENTITIOUS MATERIALS.

12 PRIOR TO FINAL CLEANING & OCCUPANCY, REMOVE PROTECTIVE PLASTIC FILM & REPAIR ANY DAMAGE IF DISCOVERED. USE WATER APPROVED SOLVENTS TO CLEAN GLASS & FRAMES.

FINISH HARDWARE

1 SUPPLY & INSTALL POWER DOOR OPERATOR ON NEW ALUMINUM ENTRY DOOR.

2 SUBMIT SHOP DRAWINGS OF POWER DOOR OPERATOR & RELATED COMPONENTS FOR REVIEW & APPROVAL BY ARCHITECT PRIOR TO PROCURING.

3 SUPPLY & INSTALL:
- -ASSA ABLOY SW200I SURFACE-MOUNTED POWER DOOR OPERATOR, WITH SATIN ALUMINUM CLEAR ANODIZED COVER.
- -2 PADDLE-STYLE POWER DOOR OPERATORS.
- -ELECTRIC STRIKE, #CX-1079 X 630.

4 CONNECT 110V POWER TO HEAD OF FRAME FROM ADJACENT ELECTRICAL BOX.

5 INSTALL POWER DOOR OPERATING SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

PICCINI ARCHITECT
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C. L. PAUL PICCINI
LICENCE 4775

THESE DRAWINGS, DETAILS AND SPECIFICATIONS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL COUNTER SIGNED BY THE ARCHITECT.

NO.	DATE:	ISSUE/REVISION FOR:	BY:
	M.D.YR		
1	23.07.25	TENDER	RP

Accessibility Improvements Cobourg Police Station

Cobourg Police Services
107 King St. W.
Cobourg, Ontario K9A 2M4

SHEET TITLE

Specifications

MODEL FILE:
DRAWN BY: RP
CHK'D BY: RP
PROJECT NO: 23.353

A103