

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALL NECESSARY PERMITS AND SERVICE ENTRANCE REQUESTS TO HYDRO OTTAWA. THE CONTRACTOR MUST OBTAIN THE APPROVAL AND CONFIRMATION OF THE CONNECTION POINT PRIOR TO THE SERVICE ENTRANCE WORKS.
2. INSTALL COMPLETE PERMANENT, CONTINUOUS, SYSTEM AND CIRCUIT GROUNDING SYSTEMS, INCLUDING ELECTRODES, CONDUCTORS, CONNECTORS AND ACCESSORIES AS INDICATED, TO CONFORM TO REQUIREMENTS OF ENGINEER AND LOCAL AUTHORITY HAVING JURISDICTION OVER INSTALLATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL INSTALLATION REQUIREMENTS FOR THE NEW COMMUNICATIONS SERVICE ENTRANCE WITH THE COMMUNICATIONS COMPANY.
4. PROVIDE AN ALLOCATION FOR AN ADDITIONAL LENGTH OF 100M. FOR BELL AND CABLE.
5. ALL ELECTRICAL EQUIPMENT INSTALLED IN THE PUMPING STATION MUST BE EXPLOSION PROOF. USE "GREEN-GUARD" TYPE CONDUITS, THREADED RIGID STEEL WITH "EYS" CONNECTOR FOR ALL WORK.
6. UNLESS OTHERWISE STATED, ALL EQUIPMENT ENCLOSURES IN THE CABINET, WILL BE NEMA 3R TYPE.
7. ANY EMPTY CONDUIT WILL BE PROVIDED WITH A PULL STRING.
8. USE RIGID PVC, CSA CONDUITS INSIDE THE CABINET.
9. THE CONTRACTOR MUST COORDINATE THE DIMENSIONS OF THE DISTRIBUTION ACCORDING TO THE DIMENSIONS OF THE CONTROL PANEL AND OTHER EQUIPMENT TO BE INSERTED INSIDE.
10. ALL EXTERIOR LIGHTING TO BE CONNECTED USING #8AWG WIRING

ELECTRICAL INSTRUCTIONS

1. ALL ELECTRICAL CONDUITS CAST INTO CONCRETE SLABS MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
2. MINIMUM SPACING BETWEEN DUCTS SHOULD BE 150mm, PREFERABLY 300mm WHERE POSSIBLE.
3. MINIMIZE DUCT CROSSING.
4. THE CROSSING OF DUCTWORK MUST BE MADE AT A RIGHT ANGLE (90° CROSSING), MINIMUM 300mm SPACING BETWEEN CROSSINGS, PREFERABLY 600mm WHERE POSSIBLE.
5. DO NOT RUN DIRECTLY ALONG A REBAR, INSTALL CONDUITS BETWEEN ADJACENT BARS.
6. NO CONDUIT SHOULD BE LAUNCHED INSIDE CONCRETE COLUMNS AND WALLS.
7. NO CONDUIT SHOULD BE LAUNCHED ABOVE THE COLUMNS OR LESS THAN 900mm (SLABS WITHOUT CHARTS) FROM THE EXTERNAL FACES OF THE COLUMNS.
8. ALL OPENINGS AND SLEEVES (IN SLABS AND WALLS) MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
9. NO SLEEVE (THE FACE) WILL BE AUTHORIZED WITHIN 300mm (SLABS WITHOUT CHARTS) FROM THE EXTERNAL FACES OF THE COLUMNS.
10. PROVIDE A SPACING OF THE SLEEVES TO MAINTAIN A FREE SPACE OF 100mm MINIMUM FACE TO FACE OF THE SLEEVES.
11. SLEEVES MUST BE LOCATED WITHIN 1 QUADRANT MAXIMUM NEAR THE COLUMNS.
12. PLAN TO PROVIDE AN ARRANGEMENT PLAN 14 DAYS BEFORE ANY POUR FOR REVIEW BY THE ENGINEER.
13. ALL OPENINGS AND SLEEVES MUST BE INSTALLED BEFORE ANY CASTING.

CONDITIONS OF USE CONDUIT AND CABLE

CONDITIONS	CONDUIT OR CABLE TYPE
EXTERIOR UNDERGROUND	PVC RIGID ACCORDING TO QUOTATION
GROUND NOT COATED WITH CONCRETE	PVC RIGID
ERGROUND AND LOWER THAN 2.4 METERS EX:	THREADED RIGID STEEL
ONDUITS	PVC RIGID
ON EARTH AND FOUNDATION WALL	THREADED RIGID STEEL OR RIGID PVC
RETE OR MASONRY (BLOCK, TERRA-COTTA) AND TERIOR CONCRETE SLAB	RIGID CPV OR FLEXIBLE CPV DUCT (CORL
STRIBUTION AND CONDUITS FOR INTERIOR	E.M.T. ACWU90 CABLE FOR CONNECTING DWELL

9. THE CONTRACTOR MUST COORDINATE THE DIMENSIONS OF THE DISTRIBUTION ACCORDING DIMENSIONS OF THE CONTROL PANEL AND OTHER EQUIPMENT TO BE INSERTED INSIDE.
10. ALL EXTERIOR LIGHTING TO BE CONNECTED USING #8AWG WIRING

CONSTRUCTION NOTES (SIT)

7. NO CONDUIT SHOULD BE LAUNCHED ABOVE THE COLUMNS OR LESS THAN 900mm (SLABS WITHOUT CHARTS) FROM THE EXTERNAL FACES OF THE COLUMNS.

8. ALL OPENINGS AND SLEEVES (IN SLABS AND WALLS) MUST BE APPROVED BY THE STRUCTURAL ENGINEER.

9. NO SLEEVE (THE FACE) WILL BE AUTHORIZED WITHIN 300mm (SLABS WITHOUT CHARTS) FROM THE EXTERNAL FACES OF THE COLUMNS.

10. PROVIDE A SPACING OF THE SLEEVES TO MAINTAIN A FREE SPACE OF 100mm MINIMUM FACE TO FACE OF THE SLEEVES.

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12. PLAN TO PROVIDE AN ARRANGEMENT PLAN 14 DAYS BEFORE ANY POUR FOR REVIEW BY THE ENGINEER.

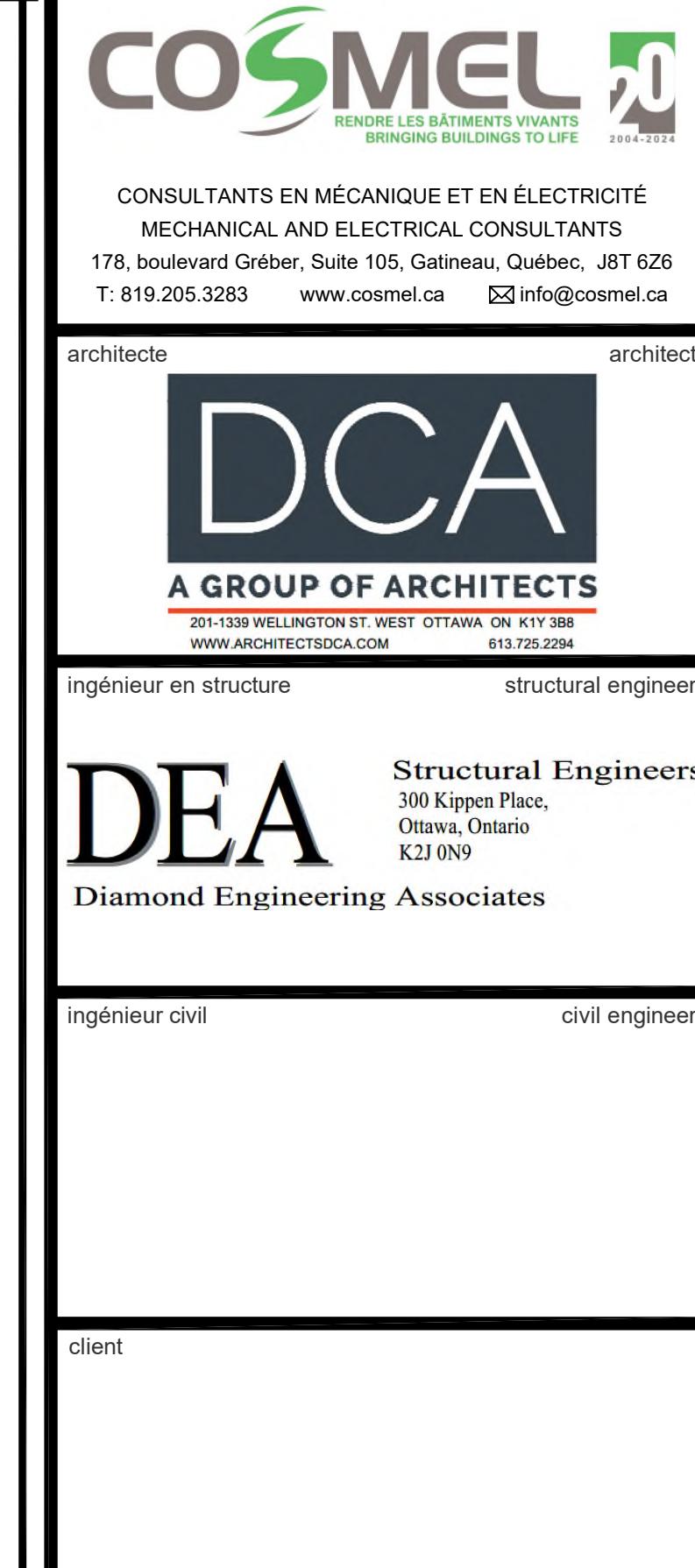
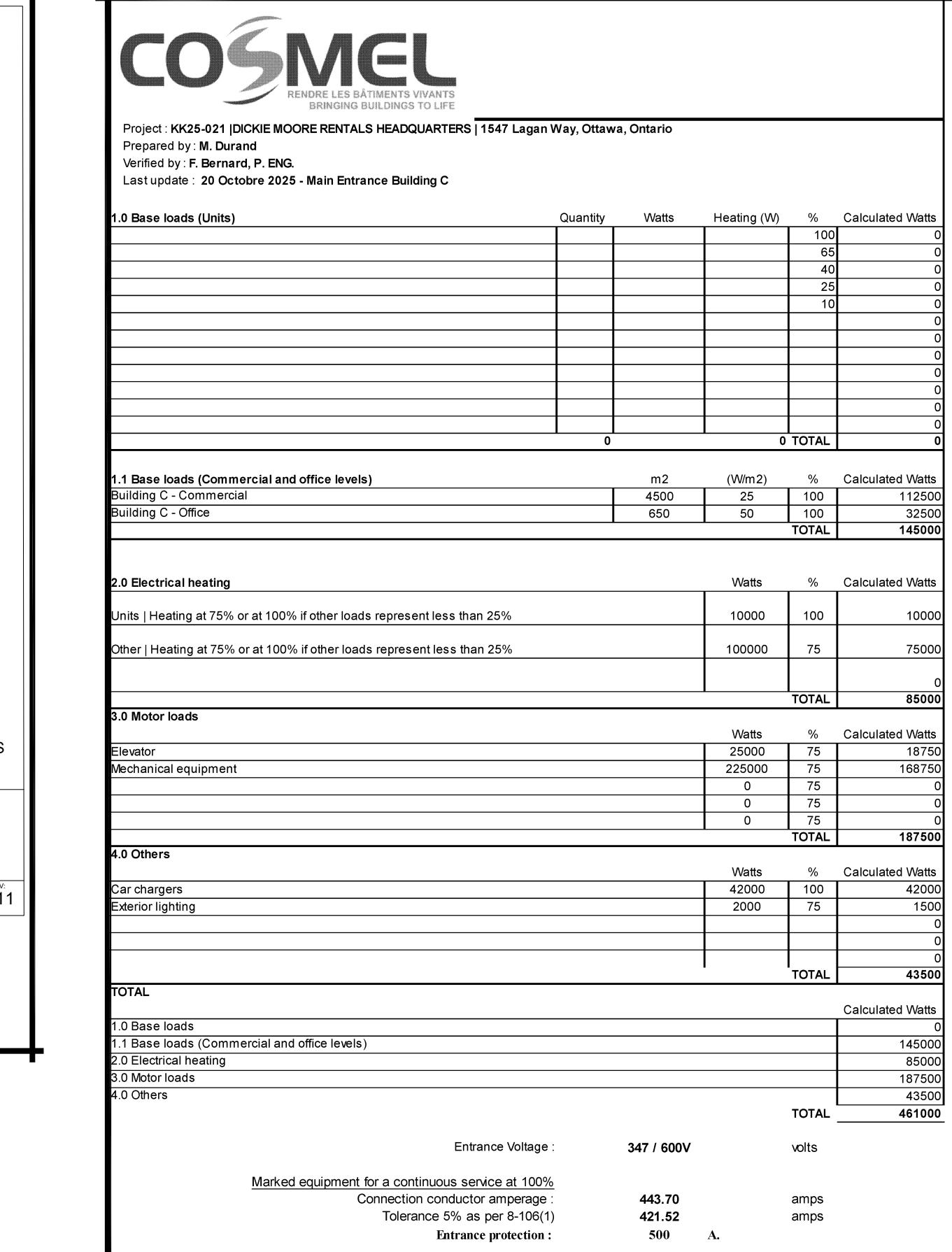
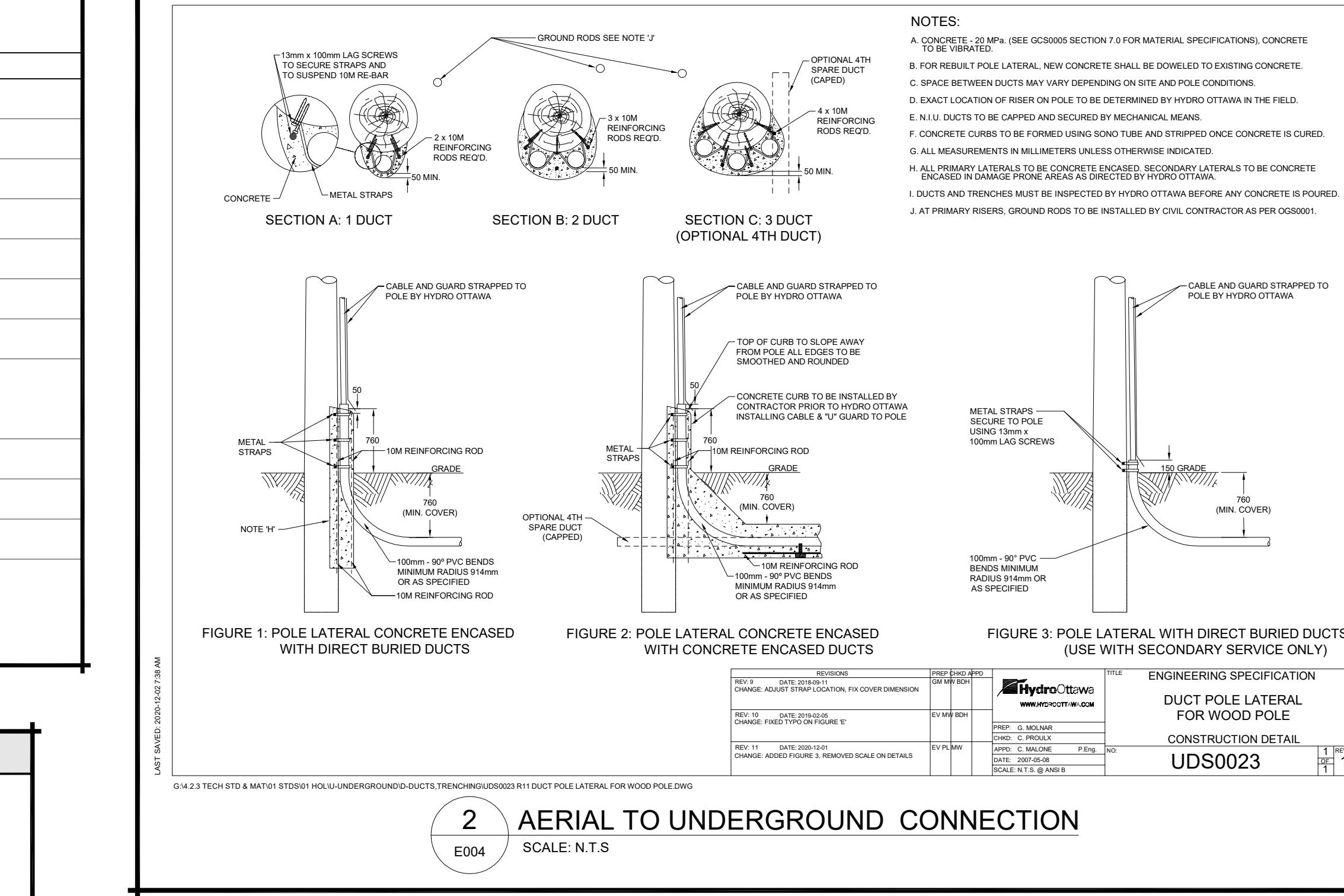
13. ALL OPENINGS AND SLEEVES MUST BE INSTALLED BEFORE ANY CASTING.

① MAIN DISCONNECT SWITCH OF BUILDING TO BE INSTALLED IN ELECTRICAL ROOM, REFER TO SINGLE LINE DISTRIBUTION DIAGRAM ON E101.

② ROGERS PLYWOOD TO BE INSTALLED IN ELECTRICAL ROOM.

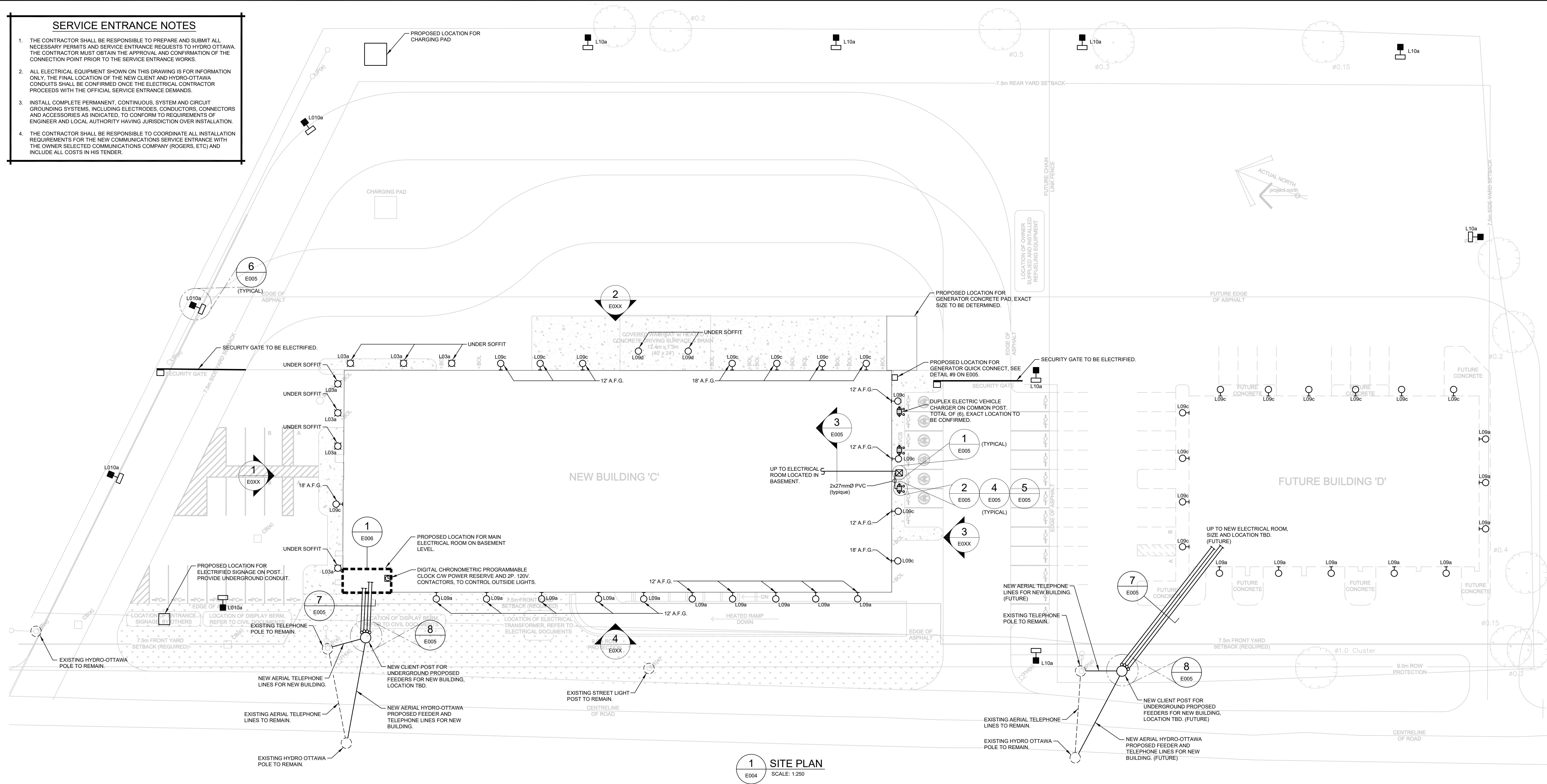
③ TWO (2) EMPTY PVC CONDUITS CSA RIGID C/W PULL CORD EMBEDDED AT 960mm C/W INDICATOR FLAG AT 380mm ON ALL LENGTH. ONE (1) 100mmØ CONDUIT DEDICATED FOR ROGERS AND ONE 100mmØ SPARE CONDUIT UP TO CONSTRUCTION LOT LIMIT, EXACT LOCATION TO BE COORDINATED WITH CIVIL DRAWINGS.

④ (2x) 100mmØ CONDUITS CSA RIGID EMBEDDED AT 960mm C/W INDICATOR FLAG AT 380mm ON LENGTH, ONE EMPTY CONDUIT C/W PULL CORD AND ONE CONDUIT C/W 4#600MCM+GROUND 100mmØ FOR ELECTRICAL MAIN FEED OF BUILDING UP TO CONSTRUCTION LOT LIMIT, EXACT LOCATION TO BE COORDINATED WITH CIVIL DRAWINGS.



SERVICE ENTRANCE NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALL NECESSARY PERMITS AND SERVICE ENTRANCE REQUESTS TO HYDRO OTTAWA. THE CONTRACTOR MUST OBTAIN THE APPROVAL AND CONFIRMATION OF THE CONNECTION POINT PRIOR TO THE SERVICE ENTRANCE WORKS.
2. ALL ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING IS FOR INFORMATION ONLY, THE FINAL LOCATION OF THE NEW CLIENT AND HYDRO-OTTAWA CONDUITS SHALL BE CONFIRMED ONCE THE ELECTRICAL CONTRACTOR PROCEEDS WITH THE OFFICIAL SERVICE ENTRANCE DEMANDS.
3. INSTALL COMPLETE PERMANENT, CONTINUOUS, SYSTEM AND CIRCUIT GROUNDING SYSTEMS, INCLUDING ELECTRODES, CONDUCTORS, CONNECTORS AND ACCESSORIES AS INDICATED, TO CONFORM TO REQUIREMENTS OF ENGINEER AND LOCAL AUTHORITY HAVING JURISDICTION OVER INSTALLATION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL INSTALLATION REQUIREMENTS FOR THE NEW COMMUNICATIONS SERVICE ENTRANCE WITH THE OWNER SELECTED COMMUNICATIONS COMPANY (ROGERS, ETC) AND INCLUDE ALL COSTS IN HIS TENDER.



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