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7. The Architect of these plans and specifications gives no warranty or representation to any party about the constructability of the building(s) represented by them. All contractors or subcontractors must satisfy themselves when bidding and at all times ensure that they can properly construct the work represented by these plans.

NOT FOR CONSTRUCTION

TORONTO PARAMEDIC SERVICES, D6 RENOVATION TORONTO

CLIENT: TORONTO PARAMEDIC SERVICES
UOAI PROJECT NO: 23-1268

PERMIT NUMBER: 24 193885 BLD

ISSUED FOR TENDER: 06 SEPTEMBER 2024 | REVISION 1: 29 NOVEMBER 2024

DRAWING INDEX:

ARCHITECTURAL (6p):

- A00 TITLESHEET
- A01 LEGENDS, SCHEDULES & OBC MATRIX
- A03 SITE SURVEY
- A10 KEY PLANS (REV. 01 - MISSING SHEET ADDED)
- A11 PARTIAL PLANS & DETAILS
- A20 ELEVATIONS & DETAILS

STRUCTURAL (3p):

- S-001 GENERAL NOTES & TYPICAL DETAILS
- S-101 GROUND FLOOR PLAN SHOWING ROOF FRAMING
- S-201 SECTIONS

ELECTRICAL (3p):

- E-0.1 ELECTRICAL LEGEND & DETAILS
- E-1.0 PARTIAL PLANS & DETAILS
- E-1.1 2ND LEVEL - ELECTRICAL

COMMUNICATIONS (4p):

- C-0.1 COMMUNICATIONS LEGEND & DETAILS (REV. 01)
- C-02 COMMUNICATIONS SPECIFICATIONS (REV. 01)
- C-1.0 PARTIAL PLANS & DETAILS - COMMUNICATIONS (REV. 01)
- C-1.1 2ND LEVEL - COMMUNICATIONS (REV. 01)

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2024.11.29 TENDER | REVISION 1
2024.09.06 TENDER
2024.08.01 BUILDING PERMIT
2024.05.17 COORDINATION

ISSUED RECORD



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CLIENT
TORONTO PARAMEDIC SERVICES

PROJECT
TORONTO PARAMEDIC SERVICES
D6 RENOVATION
610 BAY ST TORONTO ON

TITLE
TITLESHEET

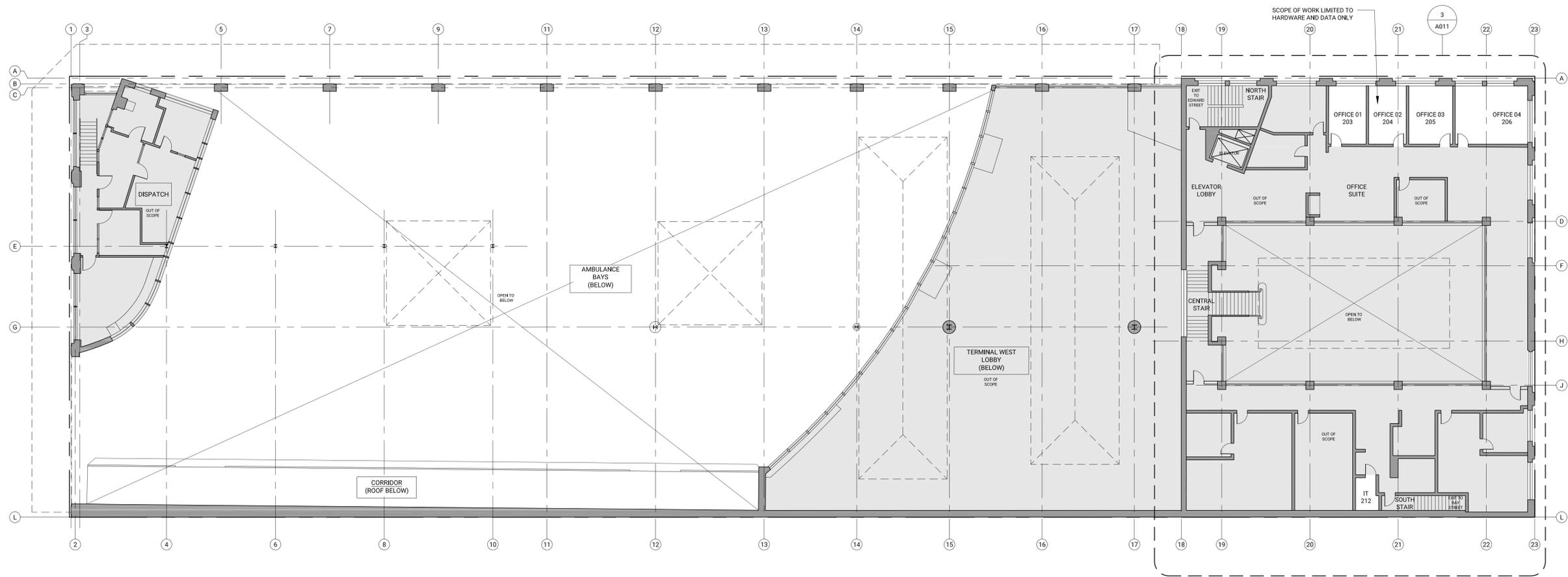
PROJECT NO. CLIENT PROJECT NO.
23-1268

SCALE
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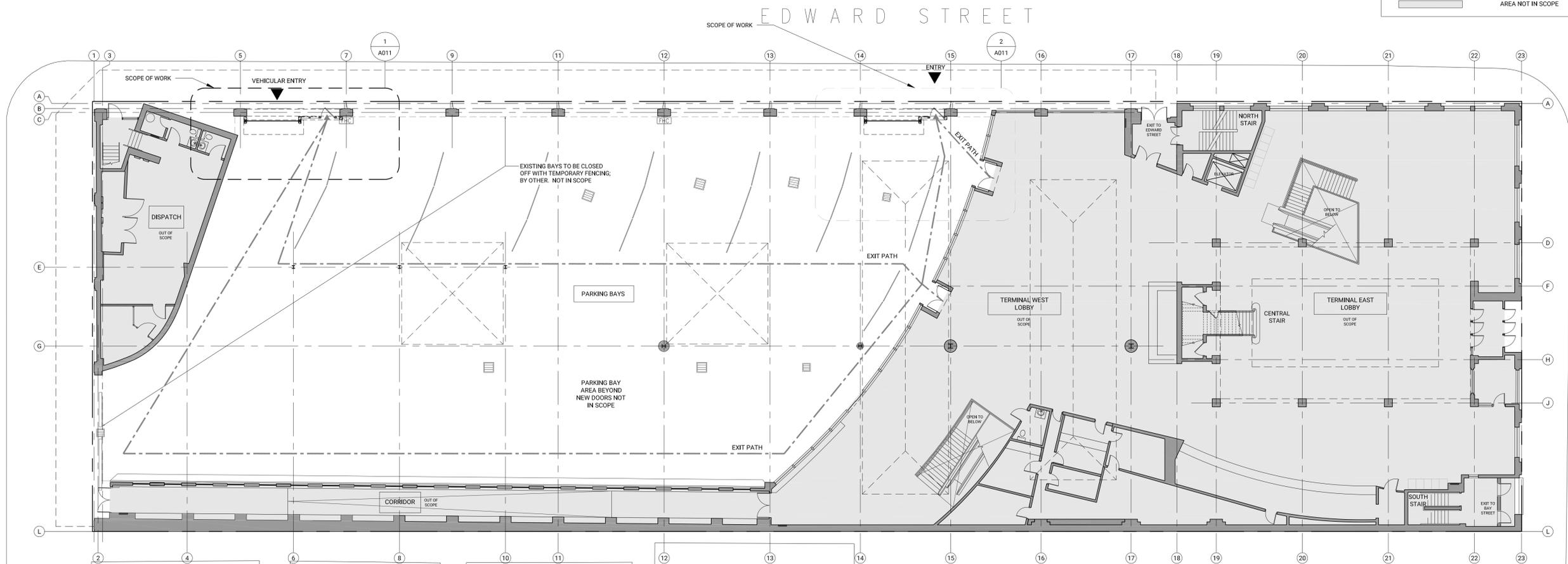
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SJ

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A00



2 SECOND LEVEL KEY PLAN



1 GROUND LEVEL KEY PLAN

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NOT FOR CONSTRUCTION

2024.09.06 TENDER
 2024.08.01 BUILDING PERMIT
 2024.05.17 COORDINATION
ISSUED RECORD



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CLIENT
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PROJECT
 TORONTO PARAMEDIC SERVICES
 D6 RENOVATION
 610 BAY ST TORONTO ON

TITLE
 KEY PLANS

PROJECT NO.
 23-1268

SCALE
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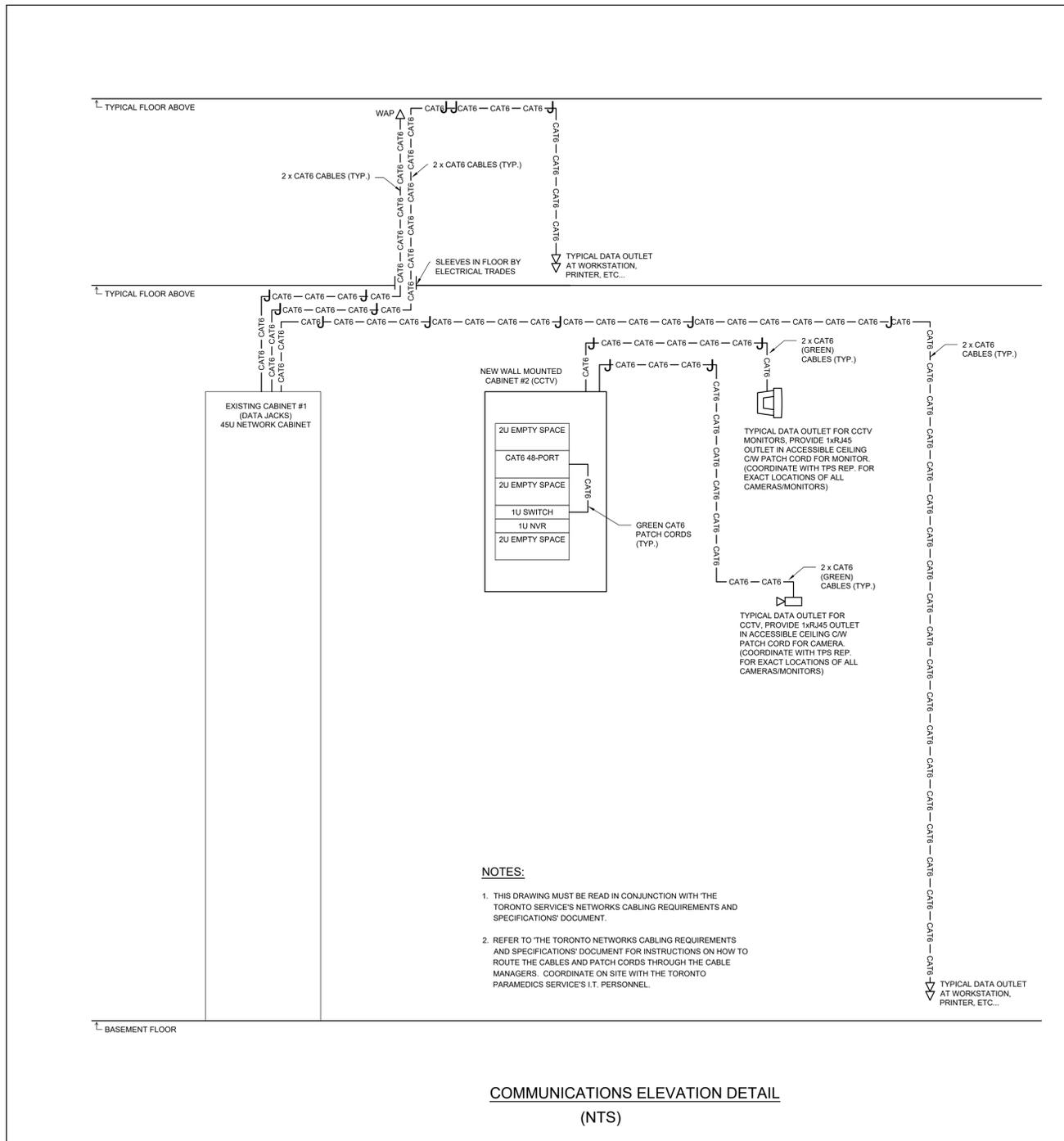
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 SJ

DRAWING NO.
 A10

| COMMUNICATIONS LEGEND | |
|--|--|
| (REFER TO TORONTO CORPORATE SECURITY - SECURITY DELIVERABLES REQUIREMENTS SPECIFICATIONS FOR MORE INFORMATION) | |
| | CAT6 DATA OUTLET 1xRJ45 JACK (BLUE) WITH ONE BLUE NON-PLENUM/PLENUM RATED (FT6) AS REQUIRED, 4-PAIR UTP CABLE, C/W 3m PATCH CORD @ DESK AND 3m PATCH CORD @ RACK. |
| | SAME AS ABOVE, TERMINATED IN FURNITURE. |
| | SAME AS ABOVE, TERMINATED IN FLOOR MONUMENT. |
| | CAT6 VOICE OUTLET 1xRJ45 JACK (WHITE) WITH ONE WHITE NON-PLENUM/PLENUM RATED (FT6) AS REQUIRED, 4-PAIR UTP CABLE, C/W 3m PATCH CORD @ DESK AND 3m PATCH CORD @ RACK. |
| | SAME AS ABOVE, TERMINATED IN FURNITURE. |
| | SAME AS ABOVE, TERMINATED IN FLOOR MONUMENT. |
| | CEILING MOUNTED WIRELESS ACCESS POINT. WAP DEVICE PROVIDED BY TENANT FOR INSTALLATION BY COMMUNICATIONS CONTRACTOR. CAT6A 1xRJ45 JACK (BLUE) WITH ONE BLUE PLENUM RATED (FT6), 4-PAIR UTP CABLE, C/W 10FT PATCH CORD @ WAP AND 15FT PATCH CORD @ RACK. CISCO AP 2600/3800/3700 OMNI-DIRECTIONAL ANTENNA |
| | COAXIAL OUTLET FOR CABLE TV FEED, TYPE 'F' JACK WITH ONE PLENUM RATED (FT6), 75Ω, RG6 TYPE CABLE. |
| | CEILING/WALL MOUNTED CAMERA PROVIDED AND INSTALLED BY THIS CONTRACTOR. CAT6 1xRJ45 JACK (GREEN) WITH ONE (1) GREEN PLENUM RATED (FT6), 4-PAIR UTP CABLE, C/W 10FT PATCH CORD @ CAMERA AND 15FT PATCH CORD @ RACK. |
| | 12U WALL MOUNTED NETWORK CABINET MANUFACTURER: PANDUIT PART NUMBER: PZVMC12W |
| | CAT6 COPPER PATCH PANEL, 48-PORT, 2U, C/W CAT6 OUTLETS AS REQUIRED. PANDUIT |
| | CAT6A COPPER PATCH PANEL, 24-PORT, 1U, LOADED WITH CAT6A OUTLETS. PANDUIT |
| | WALL-FEED CONNECTION TO SYSTEM FURNITURE. COMMUNICATIONS CONTRACTOR TO SUPPLY OUTLETS WITHIN THE SYSTEM FURNITURE. |
| | FLOOR FEED CONNECTION TO SYSTEM FURNITURE. COMMUNICATIONS CONTRACTOR TO SUPPLY OUTLETS WITHIN THE SYSTEM FURNITURE. |
| | POWER POLE (BY ELECTRICIAN) |
| | J-HOOK FOR ALL SUSPENSION OF NETWORK CABLING MOUNTED AT MINIMUM OF 5' APART. |
| SUFFIX 'E' | EXISTING ITEM INDICATED TO REMAIN. |
| SUFFIX 'EC' | EXISTING ITEM INDICATED TO REMAIN. RE-WIRE TO ACCOMMODATE CIRCUITS/SWITCHING SHOWN. DISCONNECT EXISTING ITEM INDICATED & MAKE SAFE. |
| SUFFIX 'ER' | RELOCATE/REUSE ITEM AS INDICATED. |
| SUFFIX 'RC' | RELOCATED ITEM INDICATED. PROVIDE NEW WIRING/SWITCHING AS SHOWN. |
| SUFFIX 'X' | DISCONNECT & DISPOSE OF ITEM. REMOVE ALL ASSOCIATED WIRING & CONDUIT BACK TO SOURCE AND MAKE SAFE. |
| SUFFIX 'N' | NEW ITEM TO EXISTING BUILDING STANDARD |

COMMUNICATIONS NOTES

- DO NOT EXCEED MAXIMUM PULLING FORCE AS PER MANUFACTURERS SPECIFICATIONS.
- CONTRACTOR IS TO PRICE CABLING TO ALLOW CLIENT TO MOVE OUTLET LOCATION BY UP TO 10'-0" IF NOTIFIED PRIOR TO INSTALLATION.
- ENSURE THAT CABLE IS NOT FLATTENED, SQUEEZED, OR CRIMPED AT ANY POINT ALONG ENTIRE RUN. NO CABLE SPLICES OR INTERMEDIATE TERMINATIONS WILL BE PERMITTED.
- BUNDLE CABLES NEATLY INTO LOGICAL BUNDLES WITH VELCRO TIE-WRAP ONLY (MIN 1/2"). NO PLASTIC TIE WRAPS ARE ALLOWED ON THIS PROJECT EXCEPT AT TERMINATION BLOCKS.
- LABEL ALL HORIZONTAL CABLES AND THE OUTLETS AT BOTH ENDS OF THE CABLE WITH IDENTIFICATIONS SHOWN ON THE DRAWINGS AND SPECIFICATIONS. ALL LABELS SHALL BE PERMANENT AND MECHANICALLY PRINTED.
- ALL PATCH PANELS AND TERMINATION BLOCKS TO BE LABELED WITH THE CORRESPONDING LABEL OF THE CABLES. SUPPLY ALL ACCESSORIES TO PROPERLY LABEL THE PATCH PANELS AND TERMINATION BLOCKS
- IN THE CASE WHERE THE CABLE IS FORCED TO MAKE A 90° BEND FOR ROUTING PURPOSES, THE CABLE MUST BE VELCRO TIED BEFORE AND AFTER THE BEND. THIS WILL MAKE FOR A CLEANER ROUTING PATHWAY.
- DIVISION 16 WILL SUPPLY ALL FLUSH MOUNTED FLOOR BOXES, HOWEVER, THE INSTALLER WILL BE REQUIRED TO SUPPLY AND INSTALL ALL OUTLETS, BACK PLATES, INSERTS AND FACEPLATES REQUIRED FOR EACH BOX. THE INSTALLER SHALL BE REQUIRED TO SUPPLY AND INSTALL ALL ADDITIONAL COMPONENTS.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT TRANSITION INTO THE FURNITURE ARE MANAGED SO AS TO ENSURE THAT THE CABLES ARE FULLY PROTECTED BY GROMMETS, ETC.
- THE AMOUNT OF CABLE JACKET REMOVED FROM CABLE TERMINATION MUST NOT EXCEED MANUFACTURER SPECIFICATIONS.
- THE AMOUNT OF CABLE PAIR TWIST REMOVED FOR TERMINATOR MUST NOT EXCEED MANUFACTURER SPECIFICATIONS.
- THE ONLY MODULAR JACK CONFIGURATION TO BE USED IN THIS PROJECT IS RJ45 TERMINATED IN ACCORDANCE WITH T568A REQUIREMENTS.
- COMMUNICATIONS INSTALLATION MUST BE PERFORMED BY A CONTRACTOR CERTIFIED BY THE MANUFACTURER.
- SUBMIT TEST & VERIFICATION REPORT TO THE MANUFACTURER FOR CERTIFICATE AND WARRANTY.



NOTES:

- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE TORONTO SERVICE'S NETWORKS CABLING REQUIREMENTS AND SPECIFICATIONS' DOCUMENT.
- REFER TO THE TORONTO NETWORKS CABLING REQUIREMENTS AND SPECIFICATIONS' DOCUMENT FOR INSTRUCTIONS ON HOW TO ROUTE THE CABLES AND PATCH CORDS THROUGH THE CABLE MANAGERS. COORDINATE ON SITE WITH THE TORONTO PARAMEDICS SERVICE'S I.T. PERSONNEL.

COMMUNICATIONS ELEVATION DETAIL (NTS)

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2024.11.28 ISSUED FOR TENDER
ISSUED RECORD



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CLIENT
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PROJECT
TORONTO PARAMEDIC SERVICES
D6 RENOVATION
610 BAY ST TORONTO

TITLE
COMMUNICATIONS
LEGEND & DETAILS

PROJECT NO. CLIENT PROJECT NO.
4650-4

SCALE
SCALE IS AS INDICATED

DRAWN BY

DRAWING NO. C-0.1

SECTION 17101 - COMMUNICATIONS GENERAL REQUIREMENTS

1.1 GENERAL

- 1.1.1 OVERVIEW
 - 1 THIS DOCUMENT SETS FORTH THE REQUIREMENTS FOR THE WORK TO BE UNDERTAKEN UNDER DIVISION 17.
- 1.1.2 WORK INCLUDED
 - 1 COMPLETE AND FULLY OPERATIONAL COMMUNICATION SYSTEM AS REQUIRED BY THE DRAWINGS AND AS HEREIN SPECIFIED.
 - 2 ALL WORK DESCRIBED IN THESE SPECIFICATIONS AND DRAWINGS ARE CONSIDERED AS PART OF THE CONTRACT, BE RESPONSIBLE FOR ALL PARTS LABOUR AND MATERIALS DESCRIBED UNLESS OTHERWISE STATED. NO PART OF THE SPECIFICATIONS OR DRAWINGS IS TO BE CONSIDERED OPTIONAL OR NOT INCLUDED.
- 1.1.3 RELATED WORK AS APPLICABLE
 - 1 GENERAL REQUIREMENTS DIVISION 01
 - 2 DOORS AND WINDOWS DIVISION 05
 - 3 FINISHES DIVISION 09
 - 4 SPECIALTIES DIVISION 10
 - 5 MECHANICAL DIVISION 15
 - 6 ELECTRICAL DIVISION 16
- 1.1.4 DRAWINGS AND SPECIFICATIONS
 - 1 READ DRAWING IN CONJUNCTION WITH ALL APPLICABLE GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND OTHER SPECIFICATION DIVISIONS WITH THEIR RESPECTIVE CLAUSES APPLIED TO THIS DIVISION AS APPLICABLE.
 - 2 ANY ITEM OR SUBJECT OMITTED FROM THE SPECIFICATIONS OR THE DRAWINGS BUT WHICH IS MENTIONED OR REASONABLY SPECIFIED IN ANY OF THE OTHERS SHALL BE CONSIDERED AS PROPERLY AND SUFFICIENTLY SPECIFIED AND SHALL BE PROVIDED.
 - 3 PROVIDE ALL KNOWN ITEMS AND WORK NOT SHOWN OR SPECIFIED BUT WHICH ARE REASONABLY NECESSARY TO COMPLETE THE WORK.
 - 4 IF DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS ARE FOUND, OR IF THE INTENT OR MEANING IS NOT CLEAR, ADVISE THE CONSULTANT.
 - 5 RESPONSIBILITY TO OBTAIN NECESSARY INFORMATION, VISIT WORKSITES AND WORKS WITH THE CONTRACTOR. ADDITIONAL COMPENSATION WILL NOT BE CONSIDERED BECAUSE OF DIFFERENCES IN INTERPRETATION OF SPECIFICATIONS.
- 1.1.5 SUBMITTALS
 - 1 WITHIN 7 DAYS OF AWARD OF CONTRACT, SUBMIT A COMPLETED EQUIPMENT PROCUREMENT SCHEDULE WHICH LISTS THE MANUFACTURER AND MODEL OF EQUIPMENT, INDICATING THE PROJECTED ORDERING, SHOP DRAWING SUBMITTAL DATE AND DELIVERY DATES OF ALL PRODUCTS TO MEET THE REQUIRED CONSTRUCTION SCHEDULE.
 - 2 DELIVERY OF ANY PRODUCTS TO THE JOB SITE SHALL BE IN ACCORDANCE WITH THE PROCEDURES SET FORTH IN THE DIVISION 1. THESE REQUIREMENTS ADDRESS THE ISSUE OF LOADING DOOR SPACE, STORAGE SPACE AND THE CONTRACTOR'S RESPONSIBILITY FOR COORDINATION WITH THE OWNER.
 - 3 PRIOR TO DELIVERY OF ANY PRODUCTS TO JOB SITE AND SUFFICIENTLY IN ADVANCE OF REQUIREMENTS TO ALLOW 5 WORKING DAYS FOR CHECKING, SUBMIT SHOP DRAWINGS FOR REVIEW.
 - 4 SUBMITTER SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL WORKS AND MATERIALS TO REMAIN.
 - 5 KEEP ONE COMPLETE SET UP APPROVED AND APPROVED SHOP DRAWINGS AT JOB SITE DURING CONSTRUCTION.
- 1.1.6 RECORD DRAWINGS
 - 1 OBTAIN ONE COMPLETE SET OF PRINTS AT THE SITE OFFICE, INCLUDING ALL ADDENDUMS, CHANGE ORDERS, SITE INSTRUCTIONS, CLARIFICATIONS AND REVISIONS FOR THE PURPOSE OF RECORD DRAWINGS. AS THE WORK ON SITE PROGRES, CLEARLY RECORD IN RED PENCIL ALL AS-BUILT CONDITIONS THAT DEVIATE FROM THE ORIGINAL CONTRACT DOCUMENTS. RECORD DRAWINGS TO INCLUDE CHANGE ORDERS AND THE CONTRACTOR'S RESPONSIBILITY FOR COORDINATION WITH THE OWNER.
 - 2 PRIOR TO ACHIEVING "SUBSTANTIAL COMPLETION" OR PROJECT COMPLETION, THE CONTRACTOR SHALL PROVIDE ALL MODIFICATIONS TO THE COMMUNICATIONS DRAWINGS IN THE RECORD DRAWINGS. THIS RECORD INFORMATION SHALL INCLUDE ADDITION, CHANGES, REVISIONS, SITE INSTRUCTIONS AND SHOP DRAWINGS.
 - 3 UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL CERTIFY IN WRITING THAT THE AS-BUILT RECORDS ARE COMPLETE AND THAT THEY ACCURATELY INDICATE ALL COMMUNICATION SERVICES INSTALLED TO THE PROJECT.
 - 4 THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS FOR FINAL REVIEW AND RECORD DRAWINGS TO THE CONSULTANT FOR FINAL REVIEW.
 - 5 THE CONTRACTOR MAY OBTAIN DIGITAL COPIES OF THE COMMUNICATIONS CONTRACT DRAWINGS FROM THE CONSULTANT ON REQUEST. A RELEASE FORM FOR THE DRAWINGS MAY NEED TO BE SIGNED BY THE CONTRACTOR.
- 1.1.7 OPERATION MANUALS
 - 1 THE MANUAL SHALL CONTAIN THE FOLLOWING INFORMATION:
 - 1.1 COPY OF TEST DATA, MUST SUPPLY A COPY TO THE COMMUNICATIONS CONSULTANT IN DIGITAL FORM. ONE COPY IS TO BE FORWARDED DIRECTLY TO THE CLIENT IN DIGITAL FORM.
 - 1.2 INCLUDE TYPE AND ACCURACY OF INSTRUMENTS USED TO OBTAIN TEST DATA. THIS MUST BE APPROVED BY THE COMMUNICATIONS CONSULTANT, CLIENT, AND MANUFACTURER FOR TESTING.
- 1.1.8 TRAINING
 - 1 ALL STAFF SHALL BE TRAINED IN THE OPERATION OF ALL INFRASTRUCTURE AND SYSTEMS PROVIDED WITHIN THIS CONTRACT.
- 1.1.9 PRODUCT HANDLING
 - 1 USE ALL MEANS NECESSARY TO PROTECT THE PRODUCTS OF THIS DIVISION BEFORE, DURING AND AFTER INSTALLATION AND TO PROTECT PRODUCTS AND INSTALLED WORK OF ALL OTHER TRADES.
 - 2 IMMEDIATELY MAKE GOOD ANY DAMAGE BY REPAIR OR REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER AND TO THE APPROVAL OF THE CONSULTANT.
 - 3 THE CONSULTANT WILL REQUIRE THAT THE CONTRACTOR REMOVE ANY "BLATANT" ADVERTISING LABELS FROM ALL EQUIPMENT. THIS DOES NOT NORMALLY CONSTITUTE "REGULAR LABELING". DO NOT REMOVE IDENTIFICATION OR IDENTIFICATION LABELS.
- 1.1.10 GUARANTEE
 - 1 FURNISH A WRITTEN GUARANTEE TO THE OWNER PRIOR TO FINAL CONTRACT PAYMENT WHICH WILL BE IN EFFECT FOR ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF EACH TRADE OR PHASE OF THE WORK OR ANY DEFECTIVE MATERIAL OR WORKMANSHIP EXCEPT WHERE, IN THE OPINION OF THE CONSULTANT, SUCH DEFECTS ARE DUE TO THE MISUSE OR NEGLIGENCE BY THE OWNER.
 - 2 THIS GENERAL GUARANTEE SHALL NOT ACT AS A WAIVER OF ANY SPECIFIED OR SPECIAL EQUIPMENT GUARANTEES WHICH COVER A GREATER LENGTH OF TIME.

1.2 PRODUCTS

- 1.2.1 SELECTED PRODUCTS
 - 1 PRODUCTS AND MATERIALS PROVIDED SHALL BE NEW AND FREE FROM ALL DEFECTS. DEFECTIVE PRODUCTS OR MATERIALS WILL BE REJECTED, REGARDLESS OF EQUIVOCAL INSPECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL COMMUNICATIONS PRODUCTS AND MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL COMMUNICATIONS PRODUCTS AND MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL COMMUNICATIONS PRODUCTS AND MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL COMMUNICATIONS PRODUCTS AND MATERIALS.
 - 2 PRODUCTS AND MATERIALS REFERRED TO IN THE SPECIFICATIONS BY TRADE NAMES, MANUFACTURERS NAME AND CATALOGUE REFERENCE SHALL BE USED AS THE BASIS FOR THE TENDER.
- 1.2.2 ALTERNATIVE PRODUCTS
 - 1 ALL PRODUCT SUBSTITUTIONS MUST BE APPROVED BY THE CONSULTANT. FAILURE TO OBTAIN APPROVAL FROM THE CONSULTANT WILL RESULT IN THE ALTERNATIVE PRODUCT BEING REJECTED. IN WHICH CASE THE CONTRACTOR SHALL PROVIDE THE APPROVED PRODUCT AT NO ADDITIONAL COST TO THE OWNER.
 - 2 THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ENSURING THAT WHEN PROVIDING ALTERNATIVE PRODUCTS OR MATERIALS, ALL SPACE, WEIGHT, CONNECTIONS, POWER AND WIRING REQUIREMENTS ETC. ARE CONSIDERED. ANY COSTS INCURRED FOR ADDITIONAL COMPONENTS, CHANGES TO SERVICES, STRUCTURAL OR SPACE REQUIREMENTS, LAYOUTS AND PLANS, ETC. THAT MAY BE NECESSARY SHALL BE BORNE BY THE CONTRACTOR.
 - 3 FOLLOWING SUBMISSION OF THE APPROPRIATE CHANGE REQUEST FORM, PRODUCT DATA FORM AND SAMPLE FORM, THE CONSULTANT SHALL PROVIDE A RESPONSE IN WRITING WITHIN 3 WORKING DAYS.
- 1.2.3 SAMPLES
 - 1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAMPLES OF EACH AND EVERY ITEM THAT IS TO BE INSTALLED EXCEPT WHERE OTHERWISE AGREED.
 - 2 THE CONSULTANT THAT A MANUFACTURER CHANGES THE MODEL, IN ANY RESPECT, THE CONTRACTOR SHALL SEEK TO HAVE THE CHANGED MODEL APPROVED AND FURNISH ADDITIONAL SAMPLES.
 - 3 THE SAMPLES WILL BE MAINTAINED BY THE CONSULTANT SO AS TO VALIDATE THAT THE ITEMS INSTALLED WITHIN THE PROJECT CORRESPOND WITH THAT ITEM WHICH WAS APPROVED BY THE CONSULTANT.
 - 4 THE CONSULTANT WILL REJECT ANY SAMPLES THAT DO NOT MEET THE SPECIFICATIONS OR REQUIREMENTS.
- 1.2.4 CHANGE ORDER
 - 1 ANY CHANGES TO THE SPECIFICATION DOCUMENT SHALL BE COMMUNICATED TO THE CONTRACTOR. THE CONTRACTOR SHALL WITHIN 3 WORKING DAYS, NOTIFY THE CONSULTANT IN WRITING OF ANY COST CHANGES THAT OCCUR AS A RESULT OF PROPOSED CHANGES.
 - 2 PROPOSED CHANGES MUST BE APPROVED BY THE CONSULTANT AND EACH CHANGE WILL BE FURNISHED WITH A NUMBER, DATE AND DESCRIPTION.
 - 3 ANY CHANGE ORDERS THAT ARE IMPLEMENTED WITHOUT WRITTEN AUTHORIZATION WILL NOT BE ACCEPTED BY THE CONSULTANT OR APPROVED FOR PAYMENT.
- 1.2.5 QUALITY OF PRODUCTS
 - 1 ALL PRODUCTS PROVIDED SHALL BE CSA APPROVED, CANADIAN UNDERWRITERS LABORATORY APPROVED WHERE APPLICABLE AND NEW, UNLESS OTHERWISE SPECIFIED.
 - 2 PRODUCTS SPECIFIED SHOULD BE PURCHASED FROM THE LOCAL REGULATORY AUTHORITY. PAY ALL APPLICABLE CHARGES LEVIED AND MAKE ALL MODIFICATIONS REQUIRED FOR APPROVAL.
 - 3 PRODUCTS PROVIDED, IF "NOT SPECIFIED", SHALL BE NEW, OF A QUALITY BEST SUITED TO THE PURPOSE REQUIRED AND THEIR USE SUBJECT TO APPROVAL BY THE CONSULTANT.
 - 4 THE UNIFORMITY OF MANUFACTURE SHALL BE RESPONSIBLE FOR ENSURING THAT WHEN PROVIDING ALTERNATIVE PRODUCTS OR MATERIALS, ALL SPACE, WEIGHT, CONNECTIONS, POWER AND WIRING REQUIREMENTS ETC. ARE CONSIDERED.
 - 5 UNLESS OTHERWISE SPECIFICALLY CALLED FOR IN THE SPECIFICATIONS, UNIFORMITY OF MANUFACTURE SHALL BE MAINTAINED FOR SIMILAR PRODUCTS THROUGHOUT THE WORK.
- 1.2.7 PRODUCT FINISHES
 - 1 TOUCH UP ALL DAMAGED PAINTED FINISHES WITH MATCHING LAQUER, OR IF REQUIRED BY THE CONSULTANT, COMPLETELY REPAINT DAMAGED SURFACE.
- 1.2.8 USE OF PRODUCTS DURING CONSTRUCTION
 - 1 ANY EQUIPMENT USED FOR TEMPORARY CONSTRUCTION PURPOSES SHALL BE APPROVED BY THE CONSTRUCTION MANAGER AND IN ACCORDANCE WITH THE GENERAL CONDITIONS, USE OF PREMISES, "CLEAN AND RESTORE" TO "AS NEW" CONDITION ALL EQUIPMENT PRIOR TO THE TIME OF SUBSTANTIAL COMPLETION.
 - 2 THE WARRANTY PERIOD SHALL BEGIN WITH "SUBSTANTIAL COMPLETION" OF EACH MAJOR SEGMENT OF WORK.

1.3 EXECUTION

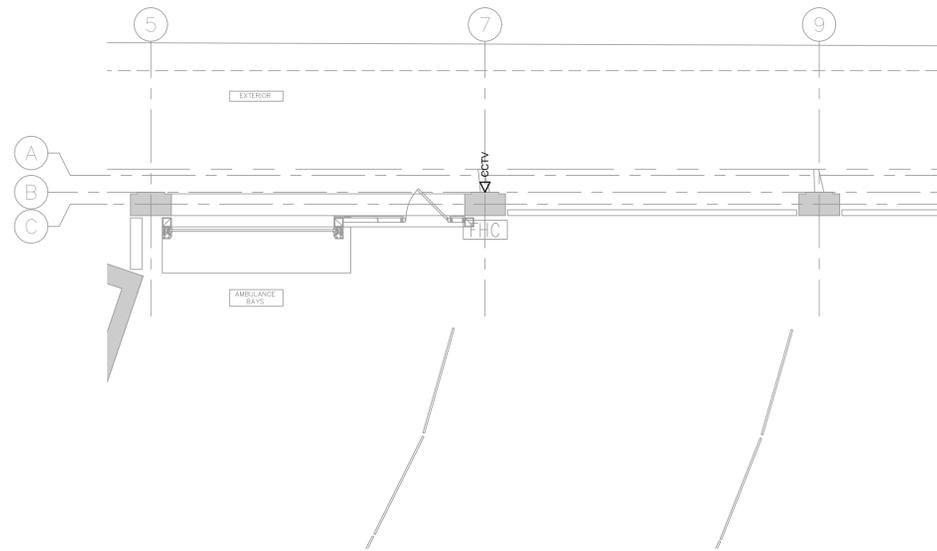
- 1.3.1 SITE EXAMINATION
 - 1 EXAMINE THE SITE OF WORK AND BECOME FAMILIAR WITH ALL FEATURES AND CHARACTERISTICS AFFECTING THIS WORK BEFORE SUBMITTING TENDER.
 - 2 REPORT TO THE CONSULTANT ANY UNSATISFACTORY CONDITIONS THAT MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THIS WORK IN ACCORDANCE WITH THE GENERAL TERMS AND CONDITIONS OF THE CONTRACT.
 - 3 UNLESS EXPLICITLY APPROVED IN WRITING, NO CHANGES TO THIS DOCUMENT SHALL BE DEEMED TO HAVE OCCURRED.
 - 4 THE CONTRACTOR SHALL VALIDATE THAT ALL CONDUITS, BOXES, ETC. ARE OF APPROPRIATE SIZE, LOCATION AND QUALITY OF INSTALLATION TO SUPPORT THE REQUIRED INFRASTRUCTURE.
 - 5 THE CONTRACTOR MAY REQUEST MODIFICATIONS TO THE INFRASTRUCTURE FROM THE ARCHITECT IF THE CANNOT MEET HIS OBLIGATIONS WITH THE PROVIDED INFRASTRUCTURE.
 - 6 EVERY NEWLY INSTALLED DMF CONDUIT END SHALL BE EQUIPPED WITH THE PVC BUSHING AND A NYLON PULL STRING BEFORE COMMUNICATIONS CABLES ARE PULLED.
 - 7 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PULL BOXES, COMMUNICATIONS OUTLETS AND ELECTRICAL FITTINGS WHICH FORM PART OF THIS WORK ARE APPROPRIATELY CLOSED UP DURING THIS CONTRACT.
- 1.3.2 COORDINATION WITH OTHER DIVISIONS
 - 1 EXAMINE THE DRAWINGS AND OTHER DIVISIONS OF ALL DIVISIONS AND BECOME FULLY FAMILIAR WITH THEIR WORK. BEFORE COMMENCING WORK, OBTAIN A RULING FROM THE CONSULTANT IF ANY CONFLICT EXISTS. OBTAIN ADDITIONAL COORDINATION WITH ANY NECESSARY ADJUSTMENTS.
 - 2 LAY OUT THE WORK AND EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THE MECHANICAL, ELECTRICAL, AV AND MECHANICAL FEATURES. NOTIFY THE CONSULTANT IMMEDIATELY REGARDING ANY DISCREPANCY.
 - 3 DO NOT CUT THROUGH ANY PARTS OF THE BUILDING OR STRUCTURE WITHOUT APPROVAL OF THE CONSULTANT.
 - 4 COORDINATE WORK WITH ALL OTHER CONTRACTORS WHO ARE INSTALLING EQUIPMENT AND SERVICES FOR OTHER DIVISIONS SO AS TO ENSURE THAT THERE ARE NO CONFLICTS. THE ANCHORS, BOLTS, PIPE SLEEVES, HANGER INSISTS ETC., SHOULD BE INSTALLED AHEAD OF TIME SO AS TO PREVENT ANY DELAY IN THE COMPLETION OF THE CONTRACTORS WORK.
 - 5 EXAMINE PREVIOUSLY CONSTRUCTED WORK AND NOTIFY THE CONSULTANT OF ANY CONDITIONS THAT PRELUDE THE PROPER COMPLETION OF THIS WORK. COMMENCEMENT OF THIS WORK WITHOUT SUCH NOTIFICATION SHALL CONSTITUTE ACCEPTANCE OF OTHER WORK.
- 1.3.3 LOCATION OF OUTLETS
 - 1 OUTLET AND EQUIPMENT LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. LOCATIONS MAY BE REVISED UP TO 15FT TO SUIT STRUCTURE AND EQUIPMENT ARRANGEMENTS WITHOUT ADDITIONAL COST TO THE OWNER PROVIDED THAT THE CONTRACTOR IS NOTIFIED PRIOR TO THE INSTALLATION OF THE OUTLETS, OR EQUIPMENT.
 - 2 UNLESS OTHERWISE SPECIFIED OR SHOWN, INSTALL PRODUCTS IN ACCORDANCE WITH RECOMMENDATIONS AND RATINGS OF MANUFACTURERS.
- 1.3.4 CABLE SLACK
 - 1 ALL CABLE PULLS WHICH ARE "HOME RUN" I.E. RUN FROM THE COMMUNICATIONS OUTLET TO THE LOCAL COMMUNICATION ROOM) SHALL INCLUDE A REASONABLE AMOUNT OF MATERIAL FOR RETENTION AT EACH END IF REQUIRED.
 - 2 THE CONTRACTOR SHALL ENSURE THAT WHEN STRIPPING CABLE INSULATION, INSULATION OF THE INDIVIDUAL CONDUCTORS IS NOT IN ANY WAY "NOSED" AND THE CONDUCTORS ARE NOT DAMAGED WHEN REMOVING WIRE INSULATION. ANY SUCH CONDUCTORS SHALL REQUIRE THAT THE CONTRACTOR REPLACE THE ENTIRE CABLE RUN AS DESCRIBED IN THE MANUFACTURERS INSTALLATION PROCEDURES.
 - 3 CABLE RINGS AND LOOPS SHALL BE INSPECTED PRIOR TO THE CLOSING OF PULL BOXES.
 - 4 EVERY PULL BOX SHALL HAVE A LOOP OF SPARE CABLE LEFT WITHIN IT.
 - 5 WHERE A CABLE IS REMOVED FROM A CONDUIT FOR ANY REASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING AN APPROPRIATE "FISH WIRE" OR "NYLON PULL STRING" WITHIN THE CONDUIT AS DESCRIBED IN DIVISION 16 FOR NEW CONDUIT.
 - 6 IN THE EVENT THAT ANY CONDUIT IS FOUND TO BE OBSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE CONSULTANT AND THE DIVISION 16 CONTRACTOR SHALL UNDERTAKE CORRECTIVE MEASURES.
 - 7 IN THE EVENT THAT ANY CONDUIT IS FOUND TO BE WET, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRYING IT AND DETERMINING THE CAUSE OF THE PREVIOUS INFILTRATION.
- 1.3.5 SEPARATION OF SERVICES
 - 1 MAINTAIN SEPARATION BETWEEN ELECTRICAL WIRING SYSTEM AND BUILDING PIPING, DUCTWORK, ETC. SO THAT WIRING SYSTEM IS ISOLATED EXCEPT AT APPROVED CONNECTIONS TO SUCH SYSTEMS TO PREVENT GALVANIC CORROSION.
 - 2 IN PARTICULAR, CONTACT BETWEEN DISSIMILAR METALS, SUCH AS COPPER AND ALUMINIUM, IN DAMP OR WET LOCATIONS IS NOT PERMITTED.
 - 3 DO NOT SUPPORT WIRING FROM PIPES, DUCTWORK, ETC.
- 1.3.6 EQUIPMENT IDENTIFICATION
 - 1.0.1 INCH THICK PLASTIC CARCASS NAME PLATES, BLACK FACE, WHITE CORE, MECHANICALLY ATTACHED WITH SELF TAPPING SCREWS, 1 INCH HIGH LETTERS, TO BE ATTACHED TO THE FRONT FACE OF ALL RACKS.
 - 2.0.1 LABELS SHALL BE IDENTIFIABLE BY COLOURED INSULATION AND BY PERMANENT LABELS. THESE LABELS SHALL BE APPLIED AT EACH END OF THE CABLES AND AT ANY INTERMEDIATE ACCESSIBLE POINTS.
 - 3.0.1 LABELS SHALL BE PERMANENT PRINT TYPE. ALL FONT MUST BE LARGE ENOUGH THAT IT EASILY READABLE WITHIN REASON. HAND WRITTEN LABELS OF ANY FORM WILL NOT BE ACCEPTED.
- 1.3.7 MOUNTING HEIGHTS
 - 1 WHERE THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING COMMUNICATIONS DEVICES FOR WHICH THERE IS NO EXISTING INFRASTRUCTURE, THE HEIGHT OF THESE DEVICES SHALL BE CO-ORDINATED WITH ALL OTHER DEVICES. THE NORMAL HEIGHT FOR THESE DEVICES OF NOT OTHERWISE SPECIFIED IS 30 CM OFF.
- 1.3.8 SEALING OF WALL AND FLOOR OPENINGS
 - 1 ALL CONDUIT AND CABLE ENTRIES THROUGH OUTSIDE WALLS OF BUILDINGS, THROUGH PARTITION WALLS SEPARATING COMMUNICATIONS ROOMS FROM OTHER AREAS, THROUGH FIRE SEPARATIONS AND THROUGH PARTITIONS OF BUILDINGS SHALL BE SEALED TO PREVENT PASSAGE OF MOISTURE, DUST, GASSES, FLAME, OR TO MAINTAIN PRESSURIZATION. THE SEALING SHALL BE PERFORMED BY SUTABLEY EXPERIENCED AND QUALIFIED STAFF.
 - 2 OPENINGS SHALL BE SEALED TO PREVENT PASSAGE OF MOISTURE, DUST, GASSES, FLAME, OR TO MAINTAIN PRESSURIZATION. THE SEALING SHALL BE PERFORMED BY SUTABLEY EXPERIENCED AND QUALIFIED STAFF.
 - 3 SEALING MATERIAL SHALL BE FIRE RESISTANT AND SHALL NOT CONTAIN ANY COMPOUNDS THAT WILL CHEMICALLY AFFECT THE WIRING JACKS OR INSULATING MATERIAL. CABLE PENETRATIONS THROUGH FLOOR SEPARATIONS SHALL BE SEALED WITH APPROVED FIRE STOPPING MATERIAL.
 - 4 ALL FIRE STOPPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF DIVISION 07/27 AS APPLICABLE. (3) COPIES OF FIRE STOPPING SHOP DRAWINGS WITH DETAILS SPECIFIC TO EACH PENETRATION TYPE SHALL BE SUBMITTED.
- 1.3.9 BELLEVUE
 - 1 VERTICAL FLOOR SEPARATION SHALL EXTEND ABOVE FINISHED FLOOR LEVEL.
 - 2 THE SPACE BETWEEN THE SLEEVES (WALL SLOTS) AND THE CONDUIT SHALL BE FILLED WITH FIRE STOP AS PER DIVISION 07/27 AND COMPATIBLE AROUND THE TOP AND BOTTOM WITH APPROVED PERMANENT AND RESILIENT MATERIALS AND THEREOF OF SILICONE BASE COMPOUND AND ENSURE THAT THE SEAL IS CALLED WITH THE FLOOR AND CEILING FINISHES.
 - 3 LOCATIONS AND POSITION BELLEVUE EXACTLY PRIOR TO CONSTRUCTION OF WALLS, FLOORS.
 - 4 FAILURE TO COMPLY WITH THE ABOVE REQUIREMENTS SHALL BE REMEDIATED AT THIS DIVISION'S EXPENSE.

**** END OF SECTION 17101 ****

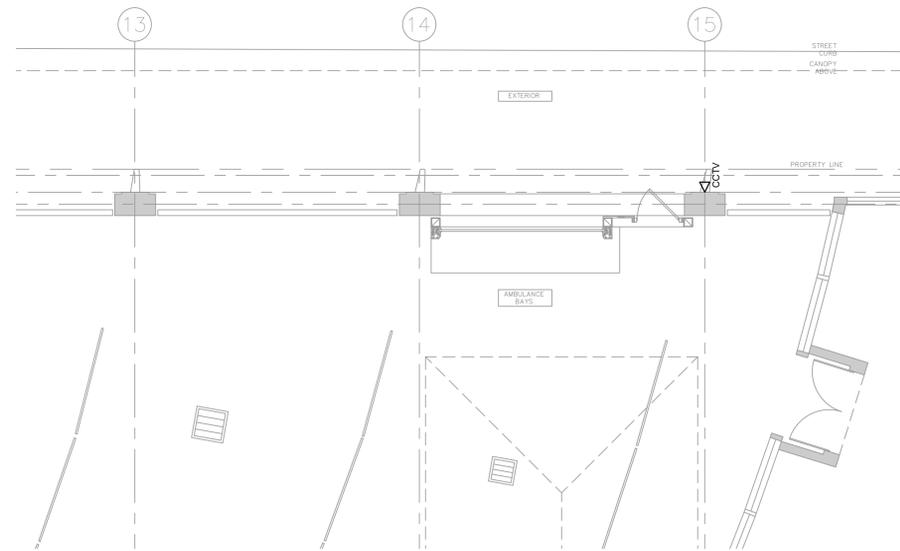
SECTION 17100 COMMUNICATIONS WIRING SYSTEM

1.1 GENERAL

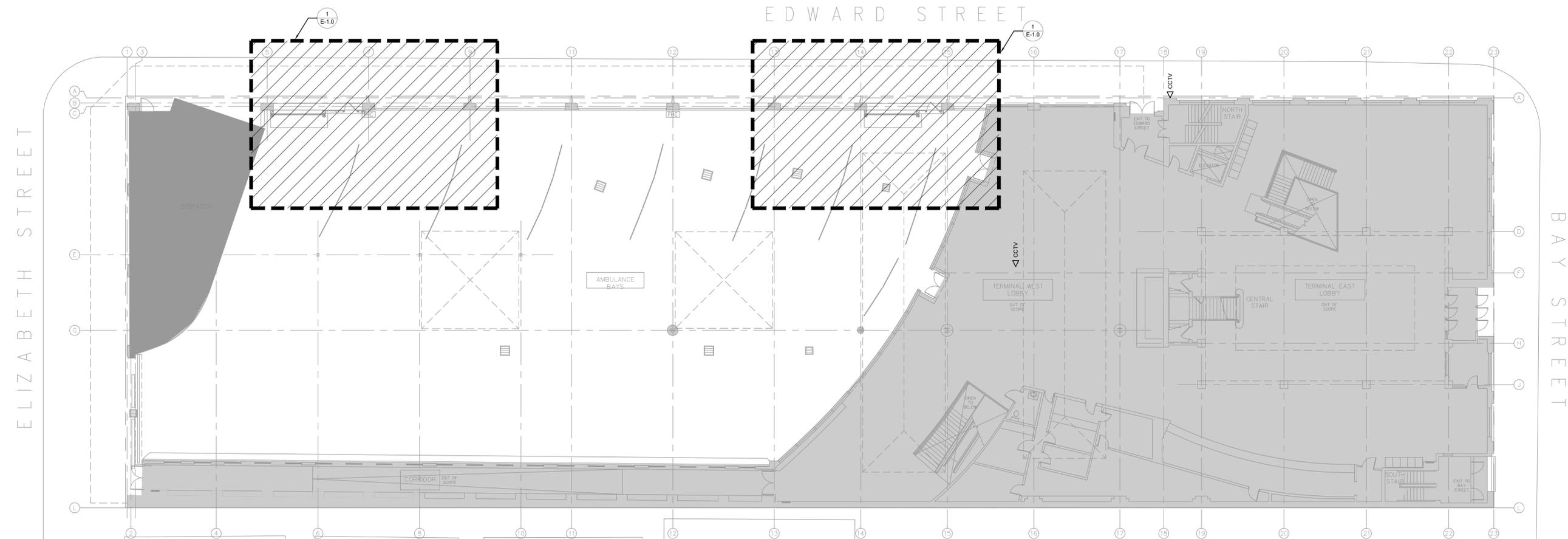
- 1.1.1 RELATED WORK
 - 1 THE ADMINISTRATIVE SECTION UNDER DIVISION 03 (BIDDING AND CONTRACT REQUIREMENTS) AND 01 (GENERAL REQUIREMENTS) SHALL BE CONSIDERED TO BE PART OF THIS SPECIFICATION.
 - 2 DIVISION 17 ALWAYS TO BE READ IN CONJUNCTION WITH DIVISION 16.
 - 3 COMMUNICATIONS CLOSETS SECTION 17110
 - 4 MAIN DISTRIBUTION FRAMES AND SERVICE ENTRANCES SECTION 17120
 - 5 INTERIOR COMMUNICATION PATHWAYS SECTION 17130
 - 6 BACKBONE CABLING SECTION 17140
 - 7 HORIZONTAL CABLING SECTION 17150
 - 8 TESTING, IDENTIFICATION AND ADMINISTRATION SECTION 17170
- 1.1.2 GENERAL REQUIREMENTS
 - 1 GENERAL CLEAN UP
 - 2 SHOP DRAWINGS
 - 3 PROTECT RECORD DOCUMENTS (AS-BUILT DRAWINGS) WHERE SPECIFIED
 - 4 MAINTAIN AND MAINTENANCE DATA WHERE SPECIFIED
- 1.1.3 ACCEPTABLE MANUFACTURERS AND INSTALLER QUALIFICATIONS
 - 1 ALL PRODUCTS INCLUDING CABLES ARE TO BE PROVIDED BY THE MANUFACTURERS LISTED IN THIS DOCUMENT (UNLESS OTHERWISE STATED).
- 1.1.4 COOES AND STANDARDS
 - 1 THE PRODUCTS, WORKMANSHIP AND INSTALLATION SHALL CONFORM TO CURRENT GUIDELINES CONTAINED IN THE FOLLOWING DOCUMENTS. THE CONSULTANT SHALL PROVIDE AN INTERPRETATION AND RULING TO THE CONTRACTOR IN THE EVENT THAT ANY OF THESE DOCUMENTS APPEAR TO BE IN CONFLICT.
 - 1.1 ANSI/TIA-608-B.3.1 (OR CANCISA 1209 - M LATEST REVISION).
 - 1.2 CANCISA 221 - CANADIAN ELECTRICAL CODE, PART 1 AND ALL THE LOCAL AMENDMENTS.
 - 1.3 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.4 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.5 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.6 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.7 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.8 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.9 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.10 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.11 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.12 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.13 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.14 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.15 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.16 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.17 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.18 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.19 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
 - 1.20 CANCISA 222 - CANADIAN ELECTRICAL CODE, PART 2.
- 1.1.5 IDENTIFICATION
 - 1 THE CONTRACTOR SHALL MEET THE TRANSMISSION REQUIREMENTS TABLE A-986.2.1 FOR INDIVIDUAL COMPONENT, CHANNEL AND PERMANENT LINK PERFORMANCE. PRODUCT OUT-SHEETS AND TESTING REPORTS THAT ARE PROVIDED BY INDEPENDENT TESTING AGENCY FOR THE CATEGORY 6 SOLUTION FROM THE MANUFACTURER SHALL ACCOMPANY THE PROPOSAL.
- 1.2 PRODUCTS (COPPER CATEGORY 6)
 - 1.2.1 CATEGORY 6 CONNECTING HARDWARE - MODULAR JACKS SHALL BE UNKEYED. 4 PAIR AND SHALL MEET THE PERFORMANCE REQUIREMENTS OF THE CURRENT DRAFT OF THE PROPOSED CATEGORY 6 STANDARD LISTED IN THE FOLLOWING TABLE.
 - 1.2.2 CATEGORY 6 PATCH PANELS - PATCH PANELS SHALL BE CONSTRUCTED USING A DISCREET, 19" RACK MOUNTABLE PANEL. THE PANEL IS THEN TO BE FULLY POPULATED USING CATEGORY 6 CONNECTING HARDWARE DESCRIBED IN THIS DOCUMENT TO DESIGN A CATEGORY 6 SOLUTION.
 - 1.2.3 CATEGORY 6 CABLE - HORIZONTAL DISTRIBUTION CABLE FOR DATA CIRCUITS SHALL BE CATEGORY 6 4 PAIR UNSHIELDED TWISTED PAIR, COPPER PATED CABLE AS REQUIRED. CABLE SHALL MEET THE PERFORMANCE REQUIREMENTS OF THE CURRENT DRAFT OF THE PROPOSED CATEGORY 6 STANDARD.
 - 1.2.3 PRODUCTS (FIBRE - GENERAL)
 - 1.2.3.1 PATCH PANELS
 - 1 FIBRE OPTIC PATCHES MUST BE FACTORY PUSHED AND FUSION SPLICED TO THE FIBRE OPTIC CABLE. (NO FIELD TERMINATION ALLOWED).
 - 1.2.3.2 RACK MOUNTED FIBRE OPTIC ENCLOSURE
 - 1 RACK MOUNTED OPTICAL FIBRE OPTIC ENCLOSURES SHALL SUPPORT UP TO 24 PORTS AS SPECIFIED ON THE DRAWINGS. THE ENCLOSURES BE BLACK IN COLOR AND SHALL ACCEPT SNAP-IN MODULES TO PROVIDE THE APPROPRIATE CONNECTOR INTERFACE.
 - 1.2.3.3 IDENTIFICATION
 - 1 DATA MODULES ARE TO BE COLOURED BLUE AND WIRED TO T568A WIRING SCHEME.
 - 1.2.3.4 EQUIPMENT RACKS IN C.E.R.'S
 - 1.2.3.4.1 ALL COMPONENTS WITH APPROVED MECHANICAL LABELS.
 - 1.2.3.4.2 ALL PATCH PANELS WITH APPROVED MECHANICAL LABELS.
 - 1.2.3.4.3 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.4 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.5 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.6 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.7 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.8 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.9 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.10 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.11 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.12 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.13 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.14 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.15 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.16 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.17 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.18 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.19 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.20 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.21 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.22 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.23 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.24 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.25 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.26 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.27 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.28 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.29 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.30 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.31 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.32 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.33 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.34 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.35 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.36 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.37 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.38 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.39 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.40 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.41 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.42 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.43 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.44 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.45 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.46 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.47 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.48 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.49 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.50 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.51 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.52 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.53 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.54 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.55 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.56 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.57 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.58 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.59 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.60 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.61 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.62 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.63 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.64 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.65 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.66 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.67 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.68 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.69 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.70 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.71 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.72 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.73 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.74 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.75 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.76 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.77 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.78 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.79 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.80 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.81 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.82 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.83 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.84 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.85 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.86 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.87 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.88 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.89 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.90 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.91 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.92 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.93 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.94 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.95 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.96 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.97 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM.
 - 1.2.3.4.98 ALL EQUIPMENT RACKS SHALL BE FILLED THROUGH THE BUILDING ENTRY ROOM TO THE TUNNEL, AND RUN TO EACH C.E.R. A 7 METER FIRE SERVICE LOOP IS REQUIRED IN THIS ROOM



1 PARTIAL GROUND LEVEL FLOOR PLAN
E-1.0
1:75



2 PARTIAL GROUND LEVEL FLOOR PLAN
E-1.0
1:75



3 GROUND LEVEL KEY PLAN
E-1.0
1:150

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PROJECT
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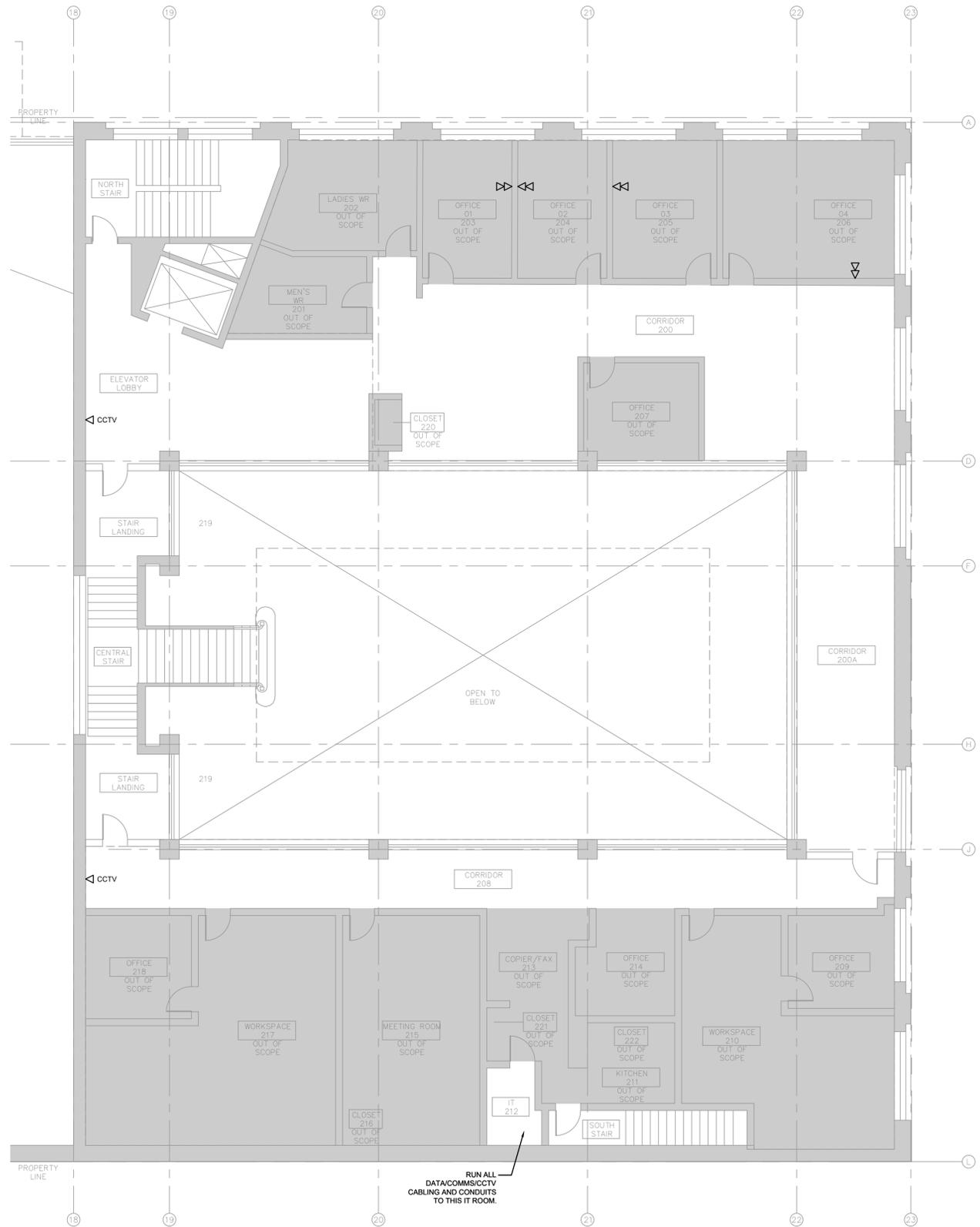
TITLE
PARTIAL PLANS & DETAILS
COMMUNICATIONS

PROJECT NO. CLIENT PROJECT NO.
4650-4

SCALE
SCALE IS AS INDICATED

DRAWN BY

DRAWING NO. C-1.0



1 MEZZANINE PLAN
E-1.1 1:75

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TITLE
2ND LEVEL - COMMUNICATIONS

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4650-4

SCALE
SCALE IS AS INDICATED

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DRAWING NO.

C-1.1