

MOLSON FAN ZONE +
ALUMNI LOUNGE +
DIAGEO BARS



















AIR CANADA CENTRE
40 BAY STREET, TORONTO, ON

IT/COMMUNICATIONS

MINIMUM SEPARATION SCHEDULE OF TELECOMMUNICATIONS CABLESFROM SOURCES OF EMI		
EMI SOURCE		MIN. SEP.
POWER LINES < 2 KVA.		127 mm (5 in)
POWER LINES 2 – 5 KVA.		305 mm (12 in)
POWER LINES > 5 KVA.		610 mm (24 in)
POWER LINES < 2 KVA IN PROXIMITY TO A GROUNDED METAL CONDUIT PATHWAY.		64 mm (2.5 in)
POWER LINES 2 – 5 KVA IN PROXIMITY TO A GROUNDED METAL CONDUIT PATHWAY.		152 mm (6 in)
POWER LINES > 5 KVA IN PROXIMITY TO A GROUNDED METAL CONDUIT PATHWAY.		305 mm (12 in)
POWER LINES 2 – 5 KVA IN GROUNDED METAL CONDUIT IN A METAL CONDUIT PATHWAY.		76 mm (3 in)
POWER LINES > 5 KVA IN GROUNDED METAL CONDUIT IN A METAL CONDUIT PATHWAY.		152 mm (6 in)
FLUORESCENT LIGHTING.		305 mm (12 in)
TRANSFORMERS AND ELECTRICAL MOTORS.		1016 mm (40 in)

GENERAL NOTES	
1.	ALL CABLES ARE TO BE PULLED IN A CONTINUOUS RUN. NO CABLE 'SPICES' WILL BE PERMITTED.
2.	ALL CABLING MUST BE ROUTED TO MINIMIZE CROSS-OVERS AND CONGESTION.
3.	ALL HORIZONTAL CABLES SHALL BE NEATLY BUNDLED WITH VELCRO STRAPS AND ROUTED ALONG PATHWAYS IN THE ACCESSIBLE CEILING SPACE.
4.	ROUTE ALL CABLES TO MAINTAIN MINIMUM SEPARATIONS FROM SOURCES OF LIGHTING, POWER CABLES, HVAC AND OTHER ELECTRICAL EQUIPMENT AS INDICATED BY HE MINIMUM SEPARATION SCHEDULE. WHERE REQUIRED THE CONTRACTOR WILL BE REQUIRED TO INSTALL ADDITIONAL MATERIALS IN ORDER TO MEET THE SEPARATION SCHEDULE.
5.	ALL CABLES THAT ARE RUN "FREE AIR" FOR ANY DISTANCE IN A PLENUM SPACE MUST BE CSA FT6/CMP RATED.
6.	EXERCISE CAUTION WHEN PULLING CABLES TO ENSURE THAT THE MANUFACTURERS' MAXIMUM PULL-FORCE
7.	ENSURE THAT MINIMUM BEND RADI ARE NOT EXCEEDED WHEN CONNECTORIZING OR ROUTING CABLES.
8.	COORDINATE THE INSTALLATION OF ALL COMMUNICATION OUTLETS WITH ELECTRICAL AND INTERIOR DESIGN DRAWINGS.
9.	WHEN TERMINATING THE MODULAR JACKS AND TERMINATION PANELS, THE CABLE SHEATH SHALL BE LEFT INTACT AS CLOSE AS POSSIBLE TO WITHIN A MINIMUM OF ONE INCH (25mm) TO THE TERMINATING HARDWARE. THE LENGTH OF UNJACKETED CONDUCTORS SHALL NOT EXCEED ONE INCH (25mm). THE AMOUNT OF UNTWISTING OF CABLE CONDUCTORS MUST NOT BE GREATER THAN 0.5 INCHES (13mm) AFTER TERMINATION.
10.	EACH CABLE AND TERMINATION JACK TO BE AFFIXED WITH MECHANICALLY PRINTED IDENTIFICATION LABELS. LABELS TO BE OF SELF-LAMINATING VINYL CONSTRUCTION WITH WHITE MARK-ON COLOUR AND CLEAR OVERLAPS. CABLE LABEL SHALL BE A MINIMUM OF TWO (2) INCHES WIDE AND OF SUFFICIENT LENGTH TO PERMIT CLEAR OVERLAP TO BE WRAPPED COMPLETELY AROUND CABLE AT LEAST ONE AND A HALF TIMES. EACH CABLE SHALL BE LABELLED AT BOTH ENDS. AT STATION END OUTLET LOCATIONS, EACH MODULAR JACK TO ALSO BE AFFIXED WITH A SYMBOLIC ICON TAB IDENTIFYING THE JACK AS FOR VOICE OR DATA APPLICATION.
11.	ROUTE HORIZONTAL COMMUNICATIONS CABLES FROM WORKSTATION TO THE LAN ROOM VIA CATEGORY 6 RATED CEILING SUPPORT HARNESSSES OR HANGERS IN THE ACCESSIBLE CEILING SPACE.
12.	THE CONTRACTOR SHALL INDICATE THE EXACT ROUTING OF ALL COMMUNICATIONS CABLES ON A RECORD DRAWING SET. THIS DRAWING MUST SHOW THE EXACT ROUTING THROUGH THE EXACT CONDUIT OR PATHWAY STRUCTURE.
13.	IF FLOOR IMMEDIATELY BELOW IS OCCUPIED, MAKE ALL NECESSARY ARRANGEMENTS FOR AFTER HOURS ACCESS FOR ALL CABLE INSTALLATION THROUGH CEILING SPACE OF FLOOR BELOW. EXERCISE EXTREME CAUTION SO NO DISRUPTION OCCURS TO THE OCCUPIED AREA.
14.	ALL CABLING SHALL BE NEATLY DRESSED AND COMBED ALONG BACK OF BACKBOARD AND AT ALL TERMINATION RACK AND PATCH PANEL LOCATIONS.
15.	ALL UTP CABLING MUST BE INSTALLED IN ACCORDANCE TO EIA/TIA INSTALLATION REQUIREMENTS FOR THE CATEGORY RATING OF THE CABLING.
16.	PROVIDE CABLE SUPPORTS, HARNESSSES AND SLEEVES AS REQUIRED. ALL FREE RUNNING CABLES SHALL BE SECURELY FASTENED TO APPROPRIATE CABLE SUPPORTS AND HARNESSSES WITH A MAXIMAL INTERSUPPORT CABLE SAG OF 6". ALL CABLES SHALL BE COMPLETELY SUPPORTED BY THE HARNESSSES SO THAT NO WEIGHT IS TRANSFERRED TO ANY OTHER EXISTING FIXTURE OR CEILING SPACE STRUCTURE. CABLE SUPPORTS SHALL BE CADDY CABLECAT OR EQUIVALENT, INSTALLED SUCH THAT THE INTERSUPPORT SAG OF 6" IS NOT EXCEEDED.
17.	ALL WORK SHALL BE PHASED IN ACCORDANCE TO SCHEDULING DICTATED BY THE OWNER/DESIGNER/GENERAL CONTRACTOR AND/OR PROJECT MANAGER.
18.	MAKE ALL NECESSARY ARRANGEMENTS TO COORDINATE CABLE INSTALLATION THROUGH SYSTEMS FURNITURE INCLUDING ALL NECESSARY AFTER HOURS OF WEEKEND WORK NECESSITATED BY THE FURNITURE INSTALLATION SCHEDULE. ON MOVE WEEKENDS, PROVIDE SUPPORT TO RESOLVE ANY CABLING RELATED ISSUES.
19.	REFER TO COMMUNICATIONS SPECIFICATION FOR FURTHER COMPONENT AND INSTALLATION DETAILS.

COMMUNICATION DRAWING LIST	
DRAWING	TITLE
IT-001	IT/COMMUNICATIONS LEGEND, GENERAL NOTES AND DRAWING LIST
IT-002	IT/COMMUNICATIONS SPECIFICATIONS
IT-003	1ST, 2ND AND 3RD FLOOR KEY PLANS – IT/COMMUNICATIONS
IT-103A	EXISTING SOUTH WEST 3RD FLOOR LAYOUT – IT/COMMUNICATIONS
IT-103B	EXISTING NORTH WEST 3RD FLOOR LAYOUT – IT/COMMUNICATIONS
IT-301	1ST AND 3RD FLOOR DIAGEO BARS – IT/COMMUNICATIONS
IT-302	2ND FLOOR ALUMNI LOUNGE LAYOUTS – IT/COMMUNICATIONS
IT-303A	NEW SOUTH WEST 3RD FLOOR LAYOUT – IT/COMMUNICATIONS
IT-303B	NEW NORTH WEST 3RD FLOOR LAYOUT – IT/COMMUNICATIONS
IT-401	TEL ROOM LAYOUTS AND DETAILS – IT/COMMUNICATIONS
IT-601	IT/COMMUNICATIONS DETAILS

COMMUNICATIONS LEGEND	
1. EACH OUTLET TO CONSIST OF THE INDICATED QUANTITY OF FT6/CMP RATED, EIA/TIA CATEGORY 6, 100 OHM, FOUR (4) UNSHIELDED TWISTED PAIR DATA AND VOICE CABLES. CABLES TO BE TERMINATED ON EIA/TIA CATEGORY 6 TERMINATION HARDWARE AT BOTH ENDS. AT THE STATION END, TERMINATION HARDWARE TO CONSIST OF CATEGORY 6 RJ45 TYPE JACK IN T568A PIN-OUT CONFIGURATION. AT THE COMPUTER ROOM END, CABLING TO BE TERMINATED ONTO CATEGORY 6 MODULAR JACK PATCH PANELS AS SHOWN AND SPECIFIED. QUANTITY OF CABLES AND OUTLETS PER EACH SPECIFIED GROUP TO BE AS DETAILED IN COMMUNICATIONS LEGEND BELOW.	
SYMBOL	DESCRIPTION
 1 DFFNNN	SINGLE DATA, WALL OUTLET c/w WALL MODULAR JACK INSERT PLATES, TERMINATION HARDWARE, ONE HORIZONTAL DATA CABLE AND LABELLING.
 2 DFFNNN DFFNNN	DUAL DATA, WALL OUTLET c/w WALL MODULAR JACK INSERT PLATES, TERMINATION HARDWARE, TWO HORIZONTAL DATA CABLES AND LABELLING.
 3 DFFNNN DFFNNN DFFNNN	TRIPLE DATA, WALL OUTLET c/w WALL MODULAR JACK INSERT PLATES, TERMINATION HARDWARE, THREE HORIZONTAL DATA CABLES AND LABELLING.
 1 DFFNNN	SINGLE DATA, FURNITURE OUTLET c/w FURNITURE HOUSING, TERMINATION HARDWARE, ONE HORIZONTAL DATA CABLE AND LABELLING.
 2 DFFNNN DFFNNN	DUAL DATA, FURNITURE OUTLET c/w FURNITURE HOUSING, TERMINATION HARDWARE, TWO HORIZONTAL DATA CABLES AND LABELLING.
 3 DFFNNN DFFNNN DFFNNN	TRIPLE DATA, FURNITURE OUTLET c/w FURNITURE HOUSING, TERMINATION HARDWARE, THREE HORIZONTAL DATA CABLES AND LABELLING.
 1 DFFNNN	SINGLE DATA, FLOOR OUTLET c/w WALL MODULAR JACK INSERT PLATES, TERMINATION HARDWARE, ONE HORIZONTAL DATA CABLE AND LABELLING.
 2 DFFNNN DFFNNN	DUAL DATA, FLOOR OUTLET c/w WALL MODULAR JACK INSERT PLATES, TERMINATION HARDWARE, TWO HORIZONTAL DATA CABLES AND LABELLING.
 3 DFFNNN DFFNNN DFFNNN	TRIPLE DATA, FLOOR OUTLET c/w WALL MODULAR JACK INSERT PLATES, TERMINATION HARDWARE, THREE HORIZONTAL DATA CABLES AND LABELLING.
 1 DFFNNN	SINGLE DATA, CEILING OUTLET c/w CEILING MOUNTED SURFACE OUTLET, TERMINATION HARDWARE, ONE HORIZONTAL DATA CABLE AND LABELLING.
 2 DFFNNN DFFNNN	DUAL DATA, CEILING OUTLET c/w CEILING MOUNTED SURFACE OUTLET, TERMINATION HARDWARE, TWO HORIZONTAL DATA CABLES AND LABELLING.
 WAP DFFNNN	WIRELESS ACCESS POINT c/w. CEILING MOUNTED SURFACE OUTLET, TERMINATION HARDWARE, ONE HORIZONTAL DATA CABLE, AND LABELLING. PROVIDE MINIMUM 20' CABLE SLACK COILED IN CEILING AT OUTLET END.
 COAX-NN 	CATV OUTLET c/w WALL MODULAR JACK INSERT PLATES, TERMINATION HARDWARE, LABELLING AND RG-6 75Ω COAXIAL CABLING ROUTED TO THE BASEBUILDING CATV DEMARCATION POINT.
 SW	WALL MOUNTED DIRECT CONNECTION TO SYSTEMS FURNITURE AND/OR WIREMOLD RACEWAY
 SF	FLOOR MOUNTED DIRECT CONNECTION TO SYSTEMS FURNITURE AND/OR WIREMOLD RACEWAY
 C - - - - -	CEILING MOUNTED OUTLET WIREMOLD RACEWAY (BY ELECTRICAL CONTRACTOR)
	2" EMPTY CONDUIT FOR COMMUNICATIONS ROUTED BACK TO THE LAN ROOM, UNLESS OTHERWISE NOTED (BY ELECTRICAL CONTRACTOR)
<u>ADDITIONAL NOMENCLATURE</u>	
E	EXISTING TO REMAIN
R	EXISTING TO BE REMOVED
ER	EXISTING IN RELOCATED POSITION
DFFNNN	COMMUNICATIONS OUTLET IDENTIFIER WHERE: (D = DATA OUTLET, V = VOICE OUTLET) D = COMMUNICATIONS OUTLET TYPE IDENTIFIER FF = FLOOR NUMBER IDENTIFIER (01, 02, ...) NNN = WORKSTATION NUMBER IDENTIFIER (001, 002, ...)

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Sheet Title
IT/COMMUNICATIONS
NOTES, LEGEND AND
DRAWING LIST

Scale
NTS

Project
16-1124

Drawn
DLH

Checked
DLH

Dwg.
File

Sheet No.

IT-001

Revision/Issue	
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GENERAL COMMUNICATIONS REQUIREMENTS

1. COMPLETE THE INSTALLATION OF THE WORK IN ACCORDANCE WITH LATEST EDITIONS OF THE ONTARIO BUILDING CODE, PROVINCIAL ELECTRICAL SAFETY CODE, CSA, ANSI/ASTM AND CAN/ULC STANDARDS. ALL COSTS, AS REQUIRED, SHALL BE COMPLIED WITH ELECTRICAL AND BUILDING CODE BULLETINS IN FORCE AT TIME OF BID SUBMISSION. ALSO, ALL COMMUNICATION WORK SHALL COMPLY WITH LANDLORD'S REQUIREMENTS AND BASE BUILDING STANDARDS.
2. VISIT THE SITE AND EXAMINE THE EXISTING CONDITIONS AFFECTING THE WORK OF THIS DIVISION. NO CLAIM FOR EXTRA PAYMENT SHALL BE MADE FOR EXTRA WORK MADE NECESSARY BY CIRCUMSTANCES ENCOUNTERED DUE TO CONDITIONS WHICH WERE VISIBLE UPON, OR REASONABLY INFERRABLE FROM AN EXAMINATION OF THE SITE PRIOR TO SUBMISSION OF THE BID. THIS INCLUDES THE EXISTING SERVICES ABOVE CEILING.
3. WHEREVER THE WORDS "PROVIDE" OR "SUPPLY AND INSTALL", ARE USED, IT SHALL BE UNDERSTOOD TO MEAN "PROVIDE AND INSTALL, INCLUSIVE OF ALL LABOR, MATERIALS, INSTALLATION, TESTING, AND CONNECTIONS FOR THE ITEM TO WHICH REFERRED.
4. ALL MATERIALS AND EQUIPMENT SHALL BE NEW, AND UNUSED PRODUCTS OF ONLY THE MOST RECENT MANUFACTURER MODEL OR VERSION NUMBER, CSA CERTIFIED, AND MANUFACTURED TO THE STANDARDS SPECIFIED. WHERE THERE IS NO ALTERNATE TO THE SUPPLIERS' SPECIFICATIONS, THE CSA CERTIFIED, OBTAIN SPECIAL APPROVAL FROM THE LOCAL INSPECTION DEPARTMENT.
5. SUBMIT TO THE LOCAL ELECTRICAL INSPECTION DEPARTMENT, THE NECESSARY NUMBER OF DOCUMENTS FOR EXAMINATION, SPECIAL INSPECTION AND APPROVAL, PRIOR TO THE COMMENCEMENT OF THE WORK, AND PAY ALL FEES GENERATED BY THE INSPECTION DEPARTMENT. THE COST OF THE WORK, ALL TOOLS, SURPLUS MATERIALS AND WASTE MATERIALS SHALL BE REMOVED AND THE PREMISES LEFT IN A CLEAN, PROTECT CONDITION.
6. PROVIDE TOOLS AND CLEAN UP EQUIPMENT. OBTAIN THE LANDLORD'S PERMISSION FOR THE USE OF ELECTRICAL, ELEVATOR, PLUMBING OR DRAINAGE OUTLETS. PROVIDE DAILY CLEAN-UP AND PROPER DISPOSAL OF DEBRIS GENERATED BY THE WORK. THE CONTRACTOR SHALL REMOVE ALL TOOLS, SURPLUS MATERIALS AND WASTE MATERIALS SHALL BE REMOVED AND THE PREMISES LEFT IN A CLEAN, PROTECT CONDITION.
7. PROVIDE AND MAINTAIN INSURANCE TO PROTECT THE LANDLORD, TENANT AND TRADES FROM ALL POSSIBLE CLAIMS. SUBMIT WITH BID FOR AN AMOUNT ACCEPTABLE TO LANDLORD AND TENANT.
8. WHEREVER ANY BASE BUILDING REQUIRES ACCESSIBILITY, MAINTENANCE OR ADJUSTMENT, PROVIDE ACCESS DOORS APPROVED BY DESIGN CONSULTANT/ARCHITECT. PROVIDE ACCESS DOORS AND ARRANGE FOR ITS INSTALLATION BY THE TRADE IN WHOSE WORK IT OCCURS.
9. ANY DISCREPANCIES BETWEEN DRAWINGS AND/OR SPECIFICATIONS AND EXISTING CONDITIONS, MUST BE REFERRED TO THE DESIGN CONSULTANT/ARCHITECT BEFORE ANY WORK AFFECTED IS BEGUN.
10. THE DRAWINGS FOR THE COMMUNICATIONS WORK ARE DIAGRAMMATIC PERFORMANCE DRAWINGS ONLY, INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE THE GENERAL ARRANGEMENT AND APPROXIMATE LOCATION OF ELECTRICAL EQUIPMENT. THE DRAWINGS DO NOT INTEND TO SHOW ARCHITECTURAL, INTERIOR DESIGN, MECHANICAL, STRUCTURAL OR BASE BUILDING DETAILS. BE RESPONSIBLE FOR A THOROUGH KNOWLEDGE OF SAME BEFORE PROCEEDING WITH THE WORK.
11. PROVIDE CABLE SUPPORTS, HARNESSSES AND SLEEVES AS REQUIRED. ALL FREE RUNNING CABLES SHALL BE SECURELY FASTENED TO APPROPRIATE CABLE SUPPORTS AND HARNESS WITH A MAXIMAL INTERSPACING CABLE SAG OF ALL CABLES SUPPORTED BY THE HARNESSSES TO BE NO MORE THAN 100MM (4 INCHES). THE MAXIMUM WEIGHT OF CABLES NOT TO EXCEED AND SPACED A MAXIMUM OF 6" APART. CABLECLATS NOT TO BE SUPPORTED FROM T-BAR PENCIL RODS.
12. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT THE CONTRACTOR PROVIDE COMPLETE AND OPERATIONAL SYSTEMS AS REQUIRED. WHERE DIFFERENCES OCCUR, THE MAXIMUM CONDITION SHALL GOVERN. ANY OTHER ALTERNATE ITEM OR CARBON COPY OF THE DRAWINGS, UNLESS SPECIALLY DESCRIBED, BUT REQUIRED FOR THE OPERATION OF THE SYSTEM, MUST BE PROVIDED AND INCLUDED AS PART OF THE BID.
13. REFER TO DESIGN CONSULTANT'S/ARCHITECT'S DRAWINGS FOR EXACT LOCATIONS OF ALL COMMUNICATIONS OUTLETS. CHANGE LOCATION OF WALL OUTLETS AT NO COST OR CREDIT. PROVIDING CABLE LENGTH DOES NOT EXCEED MORE THAN 30% OF THE INFORMATION PROVIDED. IF THE CABLE LENGTH IS EXCEEDED, CHANGE LOCATION OF ALL SYSTEMS FURNISH OUTLETS TO ANYWHERE WITHIN SYSTEMS FURNISH MODULE. PROVIDE 3M (10'-0") OF CABLE SLACK AT EACH LOCATION.
14. PROVIDE, INSTALL AND TERMINATE THE INDICATED QUANTITIES OF HORIZONTAL DISTRIBUTION CABLES FROM THE TERMINATION PANELS IN THE HUB/COMPUTER ROOM TO THE INDICATED COMMUNICATIONS OUTLET LOCATIONS ON THE FLOORS. PROVIDE 10% (CONVENTIONAL METRES) OF SLACK IN NEAT CABLE COILS SECURED WITH VELCRO THE WRAPS IN EACH CABLE AT THE TOP OF EACH WORKSTATION STOP CONDUIT LOCATION OR IN THE CABLE SPACE OF EACH CARBON COPY OF THE DRAWINGS, UNLESS SPECIALLY DESCRIBED, BUT REQUIRED FOR THE OPERATION OF THE SYSTEM, MUST BE PROVIDED AND INCLUDED AS PART OF THE BID.
15. ALL CUTTING AND PATCHING REQUIRED TO THE EXISTING BUILDING STRUCTURE FOR THE WORK SHALL BE INCLUDED UNDER THE CONTRACT AND BE ACCEPTABLE TO THE LANDLORD BEFORE COMMENCEMENT OF THE WORK AND AFTER THE WORK IS COMPLETED. ANY WRITTEN APPROVAL FROM LANDLORD BEFORE ANY CUTTING IS CARRIED OUT.
16. BEFORE CORE DRILLING FLOOR SLAB OR STRUCTURAL WALLS, X-RAY SLAB OR WALLS AND HAVE THE LOCATIONS ACCEPTED BY LANDLORD IN WRITING. ANY EXISTING BUILDING SERVICE DAMAGED BY CORE DRILLING MUST BE REPAIRED IMMEDIATELY AT NO COST TO LANDLORD OR TENANT. FLOOR DRILLING TO BE COMPLETED WITHIN 24 HOURS OF THE START AND AT A TIME ACCEPTABLE TO LANDLORD AND ALLOWANCES FOR THIS WORK SHALL BE INCLUDED IN PRICE SUBMITTED.
17. PROVIDE NON-PERMANENT CSA APPROVED INTUMESCENT FIRE-STOPPING STUFFED AROUND ALL CABLEING TO SEAL ALL CONDUIT, CABLE TRAY, RACEWAY, DUCT, SLEEVE AND SLOT OPENINGS.
18. PROVIDE ALL IDENTIFICATION LABELS FOR ALL CABLES, OUTLETS, PANELS AND OTHER RELEVANT CABLING SYSTEM ACCESSORIES. CABLE LABELS SHALL BE OF SELF-ADHESIVE TYPE AND CONFORM TO THE CAN/ULC STANDARDS. IDENTIFICATION LABEL SHALL BE MECHANICALLY PRINTED WITH IDENTIFYING INFORMATION TO BE CONFIRMED BY THE CONSULTANT PRIOR TO INSTALLATION. ALL CABLES, OUTLETS, PANELS AND OTHER RELEVANT CABLING SHALL BE LABELED IN THE FRONT AND BACK.
19. WHERE SPECIFIED, INSTALL ALL EQUIPMENT PROVIDED BY THE TENANT. RECEIVE, STORE AND INSTALL EQUIPMENT AND ACCEPT FULL RESPONSIBILITY FOR ITS CORRECT OPERATION. CONFIRM POWER REQUIREMENTS OF ALL EQUIPMENT SUPPLIED AND ALSO ENSURE THAT ALL ELECTRICAL EQUIPMENT SUPPLIED BY OTHER TRADES IS SUITABLE FOR THE RESPECTIVE VOLTAGE.
20. PLYWOOD BACKBOARDS SHALL BE 19MM (3/4") THICK, OF HIGHEST QUALITY FLAME RETARDANT FIR. REFER TO DRAWINGS FOR SIZE, PRIME AND PAINT BACKBOARDS WITH FLAME RETARDANT PAINT EQUAL TO CGSB SPEC. #1-GP-151M, OF A COLOUR AS SELECTED BY THE DESIGNER/ARCHITECT. PROVIDE ALL PLYWOOD BACKBOARDS IDENTIFIED IN THE COMMUNICATIONS DRAWINGS.
21. SUBMIT FOUR (4) COPIES OF SHOP DRAWINGS OF ALL EQUIPMENT, WHICH IS OTHER THAN THAT SPECIFIED HEREIN AND WHICH IS BEING SUBMITTED BY THE CONTRACTOR FOR CONSIDERATION AS "APPROVED EQUAL", FOR REVIEW AND RECORDS BEFORE COMMENCEMENT OF WORK.
22. ALL EQUIPMENT MUST BE CLEANED AND TESTED, BEFORE FINAL ACCEPTANCE BY THE CONSULTANT. FROM THE DATE OF ISSUANCE OF A "CERTIFICATE OF SUBSTANTIAL PERFORMANCE", ALL EQUIPMENT, MATERIALS AND WORKMANSHIP, SHALL BE UNCONDITIONALLY GUARANTEED FOR NOT LESS THAN ONE YEAR. DEFECTS AND DEFICIENCIES WHICH ORIGINATE OR REOCCUR DURING THE WARRANTY PERIOD MUST BE REPAIRED OR REPLACED, AT NO COST. ALL WORK RELATING TO THE REPLACEMENT OF DEFECTIVE ITEMS MUST BE COMPLETED AFTER INSPECTION WORKING HOURS AND AT A TIME WHICH IS ACCEPTABLE TO THE TENANT.

- ALL DATA/VOICE CABLES SHALL BE TESTED AFTER COMPLETE INSTALLATION FROM TERMINATION END TO TERMINATION END. ALL FOUR (4) PAIRS OF EACH HORIZONTAL CABLE SHALL BE TESTED. PROVIDE TABULATED RESULTS OF THE TESTS FOR EVERY CABLE WITH THE FOLLOWING INFORMATION: CABLE IDENTIFICATION, STATION IDENTIFICATION, CABLE LENGTH, PAIR ATTENUATION (DB) FOR ALL 4-PAIRS, WORST PAIR NEXT, END-TO-END WIRE MAP FOR ALL 8 CONDUCTORS, INDUCED NOISE (DB) AND INDICATE WHETHER THE CABLE HAS PASSED TESTING FOR CATEGORY 6A PERMANENT LINK COMPLIANCE IN ACCORDANCE TO ANSI/TIA/EIA 568B.10 AND C.2 STANDARDS.
24. THE CONTRACTOR MUST UTILIZE A LEVEL IV TESTER IN ACCORDANCE WITH TIA SP-2840A INCLUDING DATA THAT SCANS AND TESTS THE CABLING SYSTEM UP TO AND BEYOND 500MHZ. FOR EACH CABLE, TWO WAY NEXT MUST BE PERFORMED WITH NEXT MEASURED AT BOTH ENDS OF THE CABLE.
25. AFTER THE WORK IS COMPLETED, GIVE A WRITTEN GUARANTEE FOR ONE YEAR COVERING WORKMANSHIP AND MATERIALS. REPAIR OR REPLACE, WITHOUT EXPENSE TO THE TENANT, ANY DEFECTS IN WORKMANSHIP OR MATERIALS WHICH ARE NOT DUE TO MISUSE OR NEGLECT.
26. PROVIDE A END TO END CATEGORY 6 CABLING CERTIFICATION FROM THE SYSTEM MANUFACTURER WITH PART LABEL AND APPLICATION WARRANTY.
27. SUBMIT WRITTEN VERIFICATION OF MANUFACTURER'S CERTIFICATION OF INSTALLER. ALL COSTS INVOLVED IN OBTAINING CERTIFICATION, INCLUDING TRAINING, SHALL BE INCURRED BY THE CONTRACTOR.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL OF ANY EXISTING UNUSED COMMUNICATIONS CABLING LEFT IN ALL COMMUNICATIONS PATHWAYS, ROOMS, ETC., ON THE FLOOR OR COMMUNICATIONS ROOMS. EXERCISE EXTREME CAUTION WHEN REMOVING EXISTING CABLES TO AVOID DISRUPTING THE OPERATION OF ANY EXISTING STATIONS OR TERMINALS. TEST ALL CABLES TO BE REMOVED. AVOID DAMAGING ANY EXISTING CABLING THAT MAY BE ROUTED THROUGH THE SAME CONDUIT OR PATHWAY WHEN REMOVING THE OLD OR UNUSED COMMUNICATIONS CABLES.
29. THE CONTRACTOR SHALL PROVIDE NEW PULL STRINGS IN ALL COMMUNICATIONS CONDUITS IN WHICH CABLES HAVE BEEN ADDED OR REMOVED TO ALLOW FOR FUTURE CABLE PULLING.
30. THIS JOB SITE IS CURRENTLY UNDER CONSTRUCTION, HOWEVER AT TIME OF CABLE INSTALLATION THE SITE MAY HAVE INSTALLED CEILING TILES, ACCESS FLOOR TILES, FINISHED WALLS, FLOORS AND CARPETING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
- THE REMOVAL AND REPLACEMENT OF ANY CARPETING, ACCESS FLOOR AND/OR CEILING TILES REQUIRED TO INSTALL THE COMMUNICATIONS CABLING.
 - THE MOVEMENT AND REPLACEMENT OF ANY OBSTRUCTING FURNITURE, DAILY "END-OF-DAY" CLEANUP OF ALL MATERIALS, DUST AND DEBRIS CREATED BY THE CURRENT DASH INSTALLATION ACTIVITIES.
 - ANY DAMAGES TO BASE BUILDING AND FINISHED STRUCTURES, FURNITURE, WALLS, ACCESS FLOOR OR CEILING TILES, CARPETS, FLOORS, ETC. THAT ARE CAUSED BY THE CONTRACTORS' PERSONNEL AND/OR EQUIPMENT.
 - GENERAL CONTRACTOR WILL PROVIDE CONSTRUCTION PHASING AND SCHEDULING OF ALL MOVES. WORK SHALL BE DONE IN ACCORDANCE WITH THE GENERAL CONTRACTOR'S SCHEDULE.
31. AT THE COMPLETION OF WORK AND BEFORE FINAL ACCEPTANCE, PREPARE FROM CAD DRAWINGS PROVIDED BY THE CONSULTANT, AS-BUILT DRAWINGS OF THE INSTALLATION (IN AUTOCAD 2014 FORMAT). INCORPORATE CABLE ROUTING (INCLUDING CONDUIT SIZE AND ZONE CONDUIT NUMBERING), ALL CHANGES AND DEVIATIONS FROM TENDER DRAWINGS, UTILIZING NORMAL RECOGNIZED DRAFTING PROCEDURES THAT MATCH THE ORIGINAL DRAFTING METHODOLOGY IN ELECTRONIC FORM AND IN THE CAD DRAWINGS. UTILIZE THE SAME CAD BLOCKS, OBJECTS, LAYERS AND ORIGINAL CAD METHODOLOGY PRESENT IN THE CAD DRAWINGS. SUBMIT THE UPDATED CAD DRAWINGS ON DISK (OR EMAIL) TO THE CONSULTANT FOR REVIEW. UPON ACCEPTANCE BY THE CONSULTANT, PREPARE A DISK SET OF DRAWINGS TOGETHER WITH 3 (THREE) SETS OF PRINTS FOR PRESENTATION TO THE LANDLORD AND TENANT ALSO SEND ONE DISK SET AND ONE HALF-SIZE PRINT SET TO THE COMMUNICATIONS CONSULTANT.
32. PROVIDE 2 (TWO) SETS OF OPERATION AND MAINTENANCE MANUALS. INCLUDE THE FOLLOWING INFORMATION IN THE OPERATIONS AND MAINTENANCE MANUALS:
- MANUFACTURER'S CABLING SYSTEM CERTIFICATION AND APPLICATION WARRANTY.
 - CONTRACTORS 1 YEAR GUARANTEE.
 - PRODUCT CUT-SHEETS FOR ALL MATERIAL INSTALLED INCLUDING CABLING, JACKS, PATCH PANELS, RACKS AND CABINETS, ETC.
 - NAMES AND ADDRESS OF LOCAL SUPPLIERS FOR THE ITEMS INCLUDED.
 - THE CONSULTANTS REVISED SHOP DRAWINGS.
 - HARDCOPY PRINTOUTS OF CABLE TEST RESULT SUMMARY.
 - SHORTCOPY OF CABLE TEST RESULT SUMMARY AND DETAILED TEST RESULTS FOR EVERY CABLE IN PDF FORMAT.
33. FORWARD ONE MAINTENANCE MANUAL TO THE COMMUNICATIONS CONSULTANT FOR REVIEW. PRESENT THE OTHER MAINTENANCE MANUAL TO THE CLIENT. REVIEW INFORMATION PROVIDED IN THE MAINTENANCE MANUAL WITH THE CLIENT. DISCUSS MAINTENANCE INSTRUCTIONS AS WELL AS THE COMMUNICATIONS EQUIPMENT AND SYSTEMS AND THEIR OPERATION.

MATERIALS AND INSTALLATION

- HORIZONTAL CABLING
- 1.1. PROVIDE AND INSTALL ALL HORIZONTAL DATA COMMUNICATIONS CABLING AS INDICATED. HORIZONTAL DATA COMMUNICATIONS CABLES SHALL BE 4-PAIR UNSHIELDED TWISTED PAIR, CSA F76/CMP FIRE RATED, CERTIFIED TO EIA/TIA CATEGORY 6 SPECIFICATIONS. DATA CABLES SHALL BE BLUE. THE CABLES SHALL BE AS FOLLOWS:
- BELDEN 2400 SERIES CATEGORY 6, PLENUM F76/CMP.
- 1.2. PROVIDE AND INSTALL FLEX FOR PROTECTION OF HORIZONTAL CABLES FROM WALL/FLOOR FLEX LOW HEIGHT PARTITIONS. FLEX TO BE BLACK SPLIT LOUW TUBING SIZED TO FIT CABLE BUNDLE.
- 1.3. ANY CABLING THAT IS ROUTED IN NON-PLENUM SPACE FOR THE FULL LENGTH OF THE CABLE RUN CAN BE FT4/CMR RATED.
2. MODULAR JACKS AND ADAPTORS
- 2.1. PROVIDE AND INSTALL ALL MODULAR JACKS AS INDICATED. THE MODULAR JACKS FOR HORIZONTAL DATA CABLES SHALL BE 8-POSITION IN EIA/TIA-4568A CONFIGURATION. THE MODULAR JACKS TERMINATING IN THE LAN ROOM SHALL BE BLUE. THE CAT. 6 RATED MODULES SHALL BE AS FOLLOWS:
- BELDEN PS6+ GIGAFLEX 8-POSITION CAT. 6 MODULAR JACKS
- 2.2. PROVIDE AND INSTALL ALL FLOOR AND WALL PLATES AS INDICATED. (FLOOR AND WALL PLATES TO MATCH ELECTRICAL.)
- BELDEN 3-PORT DECORA STRAPS C/W MODULAR JACK INSERTS AS INDICATED
- 2.3. PROVIDE AND INSTALL ALL SYSTEMS FURNITURE MOUNTING PLATES AND HOUSING C/W MODULAR JACK INSERTS AS INDICATED. FURNITURE PLATES AND HOUSING TO BE MINIMUM 3-PORT, FLUSH SYSTEMS FURNITURE ADAPTER PLATES OF THE CABLE SYSTEM MANUFACTURER. COLOUR TO BE BLACK.
3. TERMINATION FIELDS FOR VOICE AND DATA
- 3.1. PROVIDE AND INSTALL NEW DATA AND VOICE TERMINATION PANELS AS SHOWN. DATA AND VOICE HORIZONTAL TERMINATION FIELD TO BE 2U HIGH, 48-PORT MODULAR JACK PATCH PANELS FULLY LOADED WITH MODULES IDENTIFIED IN ITEM 2.1 OF THE SELECTED CABLE SYSTEM MANUFACTURER. DATA AND VOICE MODULAR JACKS SHALL BE TERMINATED ONTO SEPARATE PATCH PANELS.
- 3.2. VOICE RISER AND THE CABLE TERMINATION PANELS MOUNTED ON PLYWOOD BACKBOARD SHALL BE BELDEN BIX PRODUCTS.
- 3.3. VOICE THE CABLE TERMINATION PANELS MOUNTED ON RELAY RACKS SHALL BE 2U HIGH, 48-PORT IDC PATCH PANELS OF THE SAME CABLE SYSTEM MANUFACTURER, 1 PAIR/JACK LOADED.
4. CONNECTIVITY COMPONENTS
- 4.1. THE UTP PATCH CORD FOR CONNECTING A DATA OR VOICE PATCH PANEL JACK TO ITS CORRESPONDING EQUIPMENT JACK SHALL BE OF UNSHIELDED TWISTED PAIR CORDAGE WITH EIGHT 24 AWG THERMOPLASTIC PLATED, STRANDED COPPER CORDS FORMED INTO FOUR INDIVIDUALLY TWISTED PAIRS WITH TIGHT TWISTING FOR HIGH SPEED OPERATIONS. THE UTP LINE CORD FOR CONNECTING THE STATION OUTLET JACK TO THE STATION EQUIPMENT (TYPICALLY A PERSONAL COMPUTER) IS TO BE OF EQUIVALENT CONSTRUCTION.
- 4.2. THE UTP PATCH/LINE CORD SHALL BE WIRED EIA-A TO EIA-A WITH A ONE-TO-ONE CORRESPONDENCE STRAIGHT-THROUGH AND TERMINATED ON BOTH ENDS ON 8-POSITION MODULAR LONG PLUGS WITH MINIMUM OF 50 MICRO-INCH GOLD PLATING. THE UTP PATCH CORDS SHALL BE C/W REMOVABLE TAGS WITH PRINTED LABELS AT BOTH ENDS.
- 4.3. PATCH CORDS AND LINE CORDS SHALL BE OF THE SAME MANUFACTURER AS THE HORIZONTAL CABLE AND SHALL MEET OR EXCEED THE PERFORMANCE CHARACTERISTICS OF THE HORIZONTAL DATA CABLES LISTED IN SECTION 1.1
- 4.4. PROVIDE ONE (1) PATCH CORD FOR EACH DATA INSTALLED + 10% EXTRA FOR SPARE. FOR BOTH TYPES OF PATCH CORDS. PATCH CORDS ARE TO BE 7 FEET IN LENGTH, AND 3' IN LENGTH FOR ALL PATCH CORDS WITHIN WALL MOUNT CABINET. COLOURS TO BE BLUE.
- 4.5. PROVIDE ONE (1) LINE CORD FOR EACH DATA OUTLET LOCATION + 10% SPARE. LINE CORDS ARE TO BE 10 FEET IN LENGTH. COLOURS TO BE BLUE.
- 4.6. ALL PATCH/LINE CORDS IN PLENUM SPACE MUST BE CMP/FT6 RATED.
- 4.7. ALL PATCH/LINE CORDS CATEGORY RATING SHALL MATCH THE CATEGORY RATING OF THE HORIZONTAL CABLE.
- 4.8. CONTRACTOR SHALL INCLUDE FOR INSTALLATION OF BOTH DATA AND VOICE PATCH CORDS WITH PATCHING INSTRUCTIONS TO BE PROVIDED BY THE CLIENT.
5. GROUNDING
- 5.1. GROUND WIRE SHALL BE STRANDED #6AWG, GREEN INSULATED JACKET, COPPER WIRE.
- 5.2. ALL RACKS, CABINETS AND CABLE TRAY MUST BE GROUNDED. ALL RACKS AND CABINETS MUST BE GROUNDED WITH ITS OWN GROUND WIRE; NO DAISY CHAINING ALLOWED. EACH SECTION OF TRAY NOT ELECTRICALLY BONDED MUST BE GROUNDED WITH ITS OWN GROUND WIRE.
6. RACKS
- 6.1. THE EXISTING DATA CABINETS SHALL BE USED.
7. RISER CABLES
- 7.1. THE EXISTING DATA AND VOICE RISERS SHALL BE USED.
8. IDENTIFICATION
- 8.1. EACH HORIZONTAL CABLE AND PATCH CORD SHALL BE AFFIXED WITH MECHANICALLY PRINTED LABELLING TABS OR TYPED LETTER SELF-ADHESIVE MYLAR TAPE AT BOTH ENDS. (THE LABELLING SHALL NOT BE EXPOSED.)
- 8.2. PATCH PANELS, RACKS, CABINETS AND CONSOLIDATION POINTS SHALL BE LABELLED WITH ONE INCH (1") LETTER HEIGHT LAMACOID LABELS SECURED ON WITH TAP SCREWS.
- 8.3. PATCH PANEL MODULE BLOCKS SHALL BE LABELLED WITH STANDARD BLOCK LABELS/STRIPS. (GREEN LABELS FOR THE INCOMING SIDE AND BLUE LABELS FOR THE DISTRIBUTION SIDE).
- 8.4. AT THE WORKSTATION END, OUTLET SHALL BE LABELLED WITH 1/4 INCH LETTER HEIGHT LAMACOID LABELS FOR FLOOR MONUMENTS AND SELF-ADHESIVE MYLAR TAPE ON THE COVER PLATE FOR WALL OUTLETS.
- 8.5. FOR ZONE OR HORIZONTAL DISTRIBUTION CONDUITS, USE SELF-ADHESIVE LABELS ALONG THE LENGTH OF CONDUIT ON TEN INCH (10") CENTRES. LETTER HEIGHT SHALL BE MINIMUM ONE INCH (1") AND READ "COMMUNICATIONS CABLES".
- 8.6. RISER CABLES SHALL BE LABELLED WITH RIGID PLASTIC YELLOW LABELS. LABELS SHALL BE SECURED WITH PLASTIC TIE WRAP.
- 8.7. ALL FIBRE OPTIC CABLES AND UTP RISERS SHALL BE LABELLED IN EACH FLOOR OF EACH RISER ROOM, AND AT BOTH ENDS OF THE CABLE, WITH THE SOURCE, AND THE DESTINATION LOCATION.
9. COMMUNICATIONS CONTRACTOR QUALIFICATIONS
- 9.1. THE COMMUNICATIONS CABLING CONTRACTOR/INSTALLER MUST BE A CERTIFIED INSTALLER OF ONE OF THE IDENTIFIED MANUFACTURER'S CABLING SYSTEMS. CERTIFICATION BY A THIRD PARTY OR ANY OTHER MEANS IS NOT ACCEPTABLE. PROVIDE HARD COPY EVIDENCE OF MANUFACTURER'S CERTIFICATION WITH TENDER SUBMISSION.
10. CABLE TV REQUIREMENTS
- 10.1. THE COMMUNICATIONS CONTRACTOR IS TO SUPPLY AND INSTALL ALL IDENTIFIED CABLE TV OUTLETS AS IDENTIFIED ON THE DRAWINGS. ALL CABLING SHALL BE CMP/FT6 RG-6 COAXIAL CABLE COMPLETELY CONNECTED AT THE WORKSTATION END WITH WALL PLATE AND SNAP-AND-SEAL TYPE CONNECTOR. ALL CABLING MUST ROUTE BACK TO THE BASE BUILDING SERVICE PROVIDER HEADEND AND MUST BE COILED IN THIS ROOM WITH 20FT. LOOP SLACK FOR TERMINATION BY OTHERS.

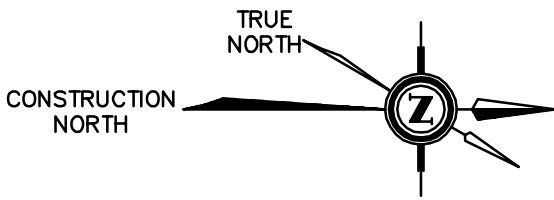
11. FIRESTOPPING
- 11.1. PROVIDE NON-PERMANENT, ULC APPROVED INTUMESCENT FIRE-STOPPING TO CAP ALL EMPTY CONDUIT ENDS, DUCTS, SLEEVES AND SLOTS. ALL FIRESTOP SYSTEM INSTALLATION MUST MEET REQUIREMENTS OF CAN4-S115-M OR ULC S-115-M. ALL FIRESTOP MUST BE HILT OR APPROVED EQUIVALENT.
- 11.2. PROVIDE NON-PERMANENT, ULC APPROVED INTUMESCENT FIRE-STOPPING STUFFED ALL AROUND CABLEING TO SEAL ALL CONDUIT, CABLE TRAY, RACEWAY, DUCT, SLEEVE AND SLOT OPENINGS. ALL FIRESTOP SYSTEM INSTALLATION MUST MEET REQUIREMENTS OF CAN4-S115-M OR ULC S-115-M
- 11.3. PROVIDE NON-PERMANENT, ULC APPROVED INTUMESCENT FIRE-STOPPING STUFFED AROUND ALL CONDUIT, CABLE TRAY, RACEWAY, DUCT, SLEEVE AND SLOT PENETRATIONS OF FIRE-SEAL AND FIRE-RATED WALL, FLOORS AND CEILING.
- 11.4. THE NON-PERMANENT FIRE-STOPPING FOR ALL SLAB SLOT OPENINGS AND CABLE TRAY FIRE BARRIER PENETRATIONS TO CONSIST OF ULC APPROVED FIRE PREVENTION PUTTY/SEALING SYSTEM CONSISTING OF INTUMESCENT MATERIAL ENCLOSED IN A MOISTURE AND HUMIDITY RESISTIVE BAG.
12. SHOP DRAWINGS
- 12.1. CONTRACTOR MUST PROVIDE SHOP DRAWINGS FOR CONSULTANT APPROVAL PRIOR TO CONSTRUCTION.
8. UNIT PRICING
- 8.1. REFER TO DRAWINGS FOR ITEMS TO BE PROVIDED AS A SEPARATE PRICE.
- 8.2. CONTRACTOR TO COMPLETE THE UNIT PRICE SCHEDULE BELOW FOR ANY REQUIRED ADDITIONS:

SECTION	COMPONENT DESCRIPTION	UNIT PRICE ADD (\$)	UNIT PRICE DELETE (\$)
8.1.1	DUAL DATA FLOOR OUTLET		
8.1.2	SINGLE DATA FLOOR OUTLET		
8.1.3	SINGLE VOICE FLOOR OUTLET		
8.1.4	CATV FLOOR OUTLET		
8.1.5	DUAL DATA WALL OUTLET		
8.1.6	SINGLE DATA WALL OUTLET		
8.1.7	SINGLE VOICE WALL OUTLET		
8.1.8	CATV WALL OUTLET		
8.1.9	DUAL DATA FURNITURE OUTLET		
8.1.8	SINGLE DATA FURNITURE OUTLET		
8.1.11	SINGLE VOICE FURNITURE OUTLET		
8.1.12	CATV FURNITURE OUTLET		
8.1.13	DUAL DATA CEILING OUTLET		
8.1.14	SINGLE DATA CEILING OUTLET		
8.1.15	CATV CEILING OUTLET		

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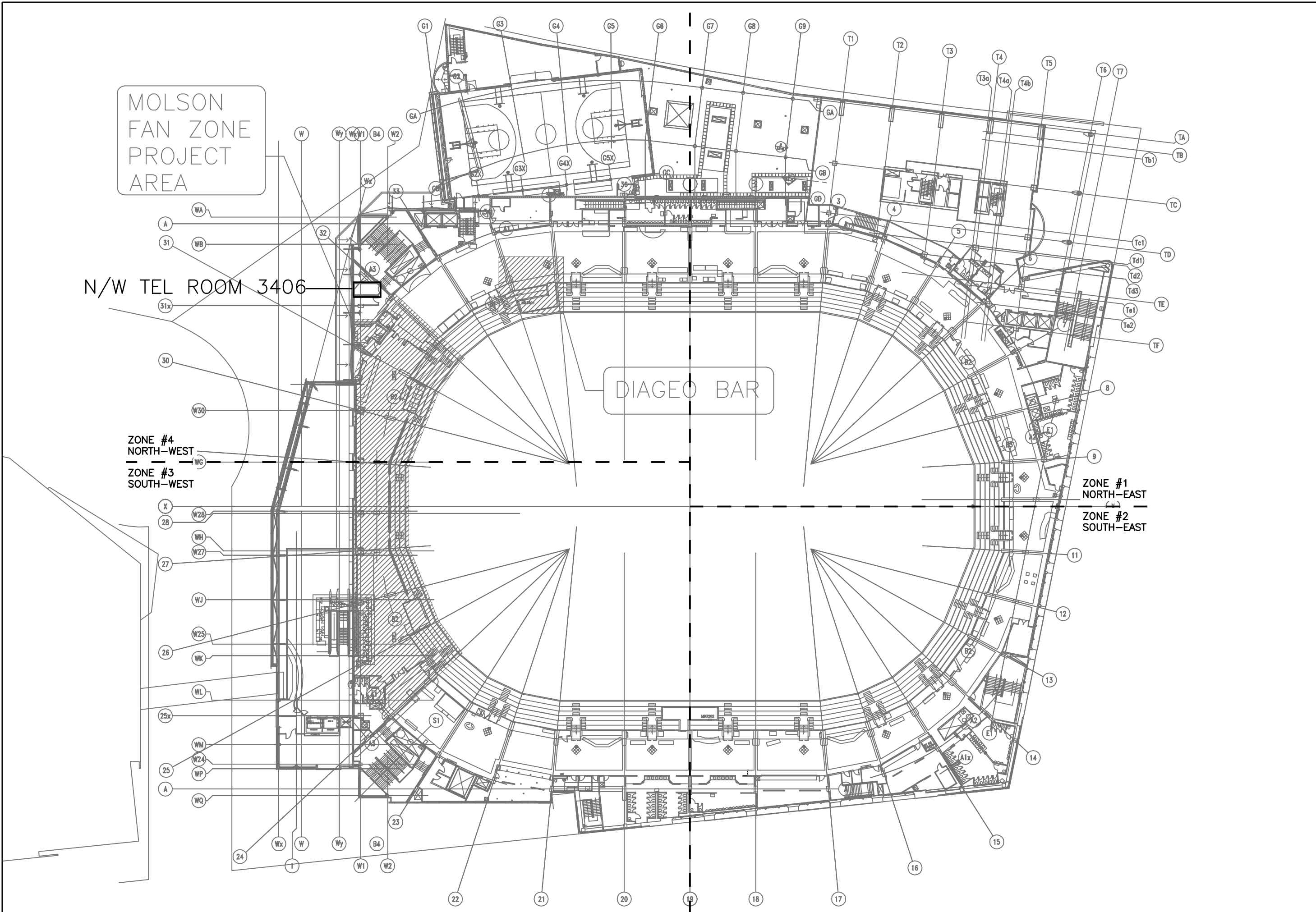
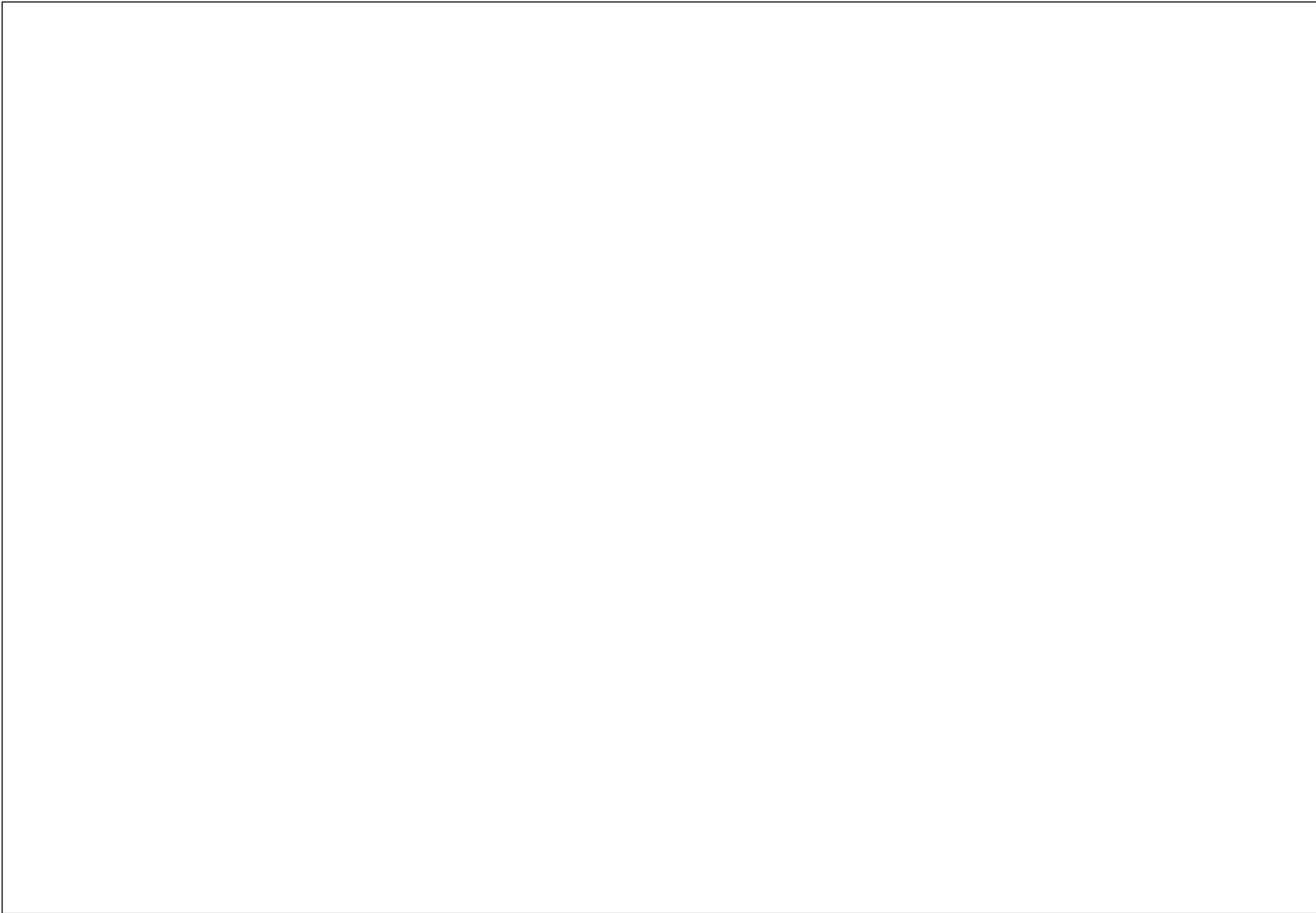
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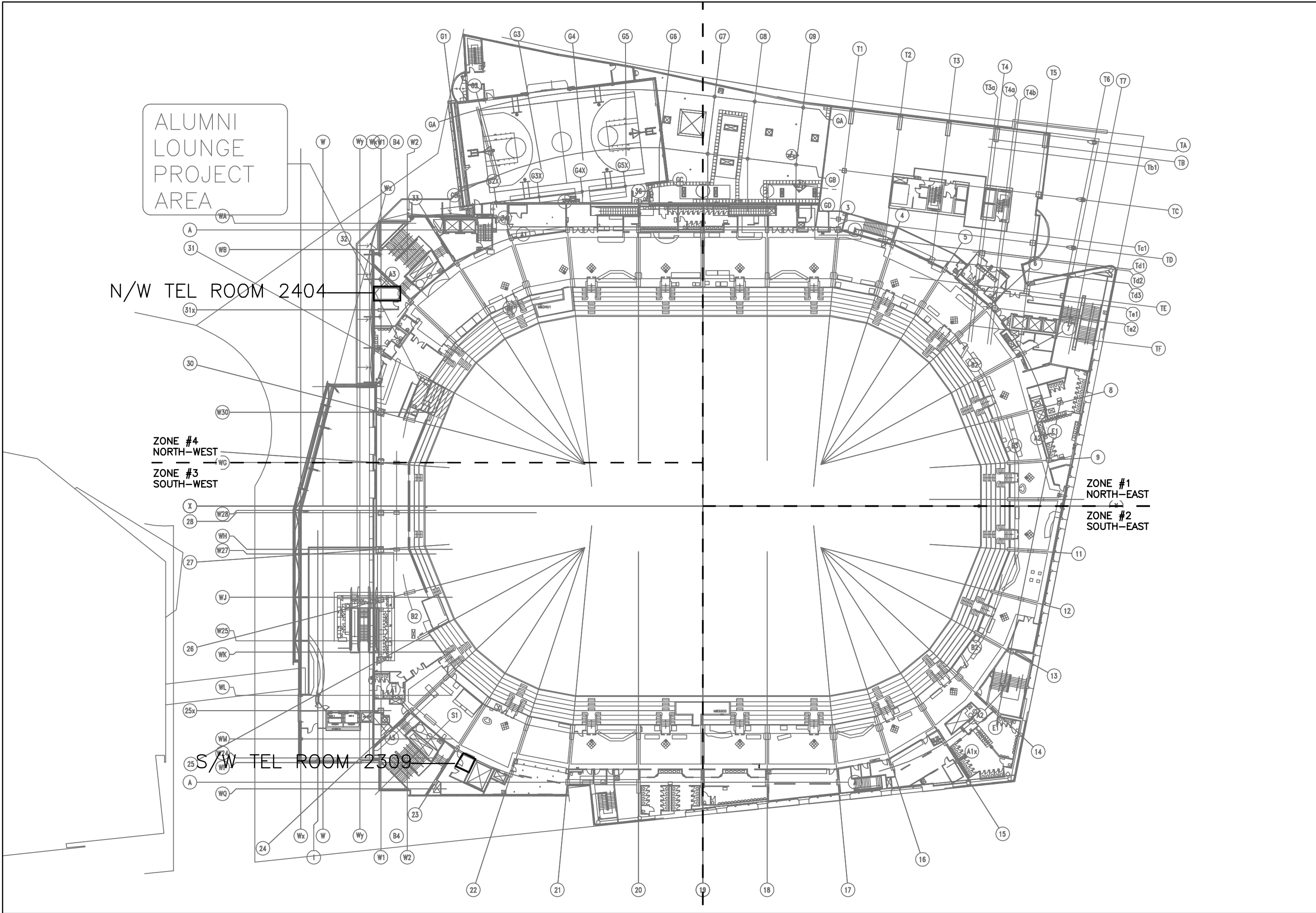
IT/COMMUNICATIONS
SPECIFICATIONS

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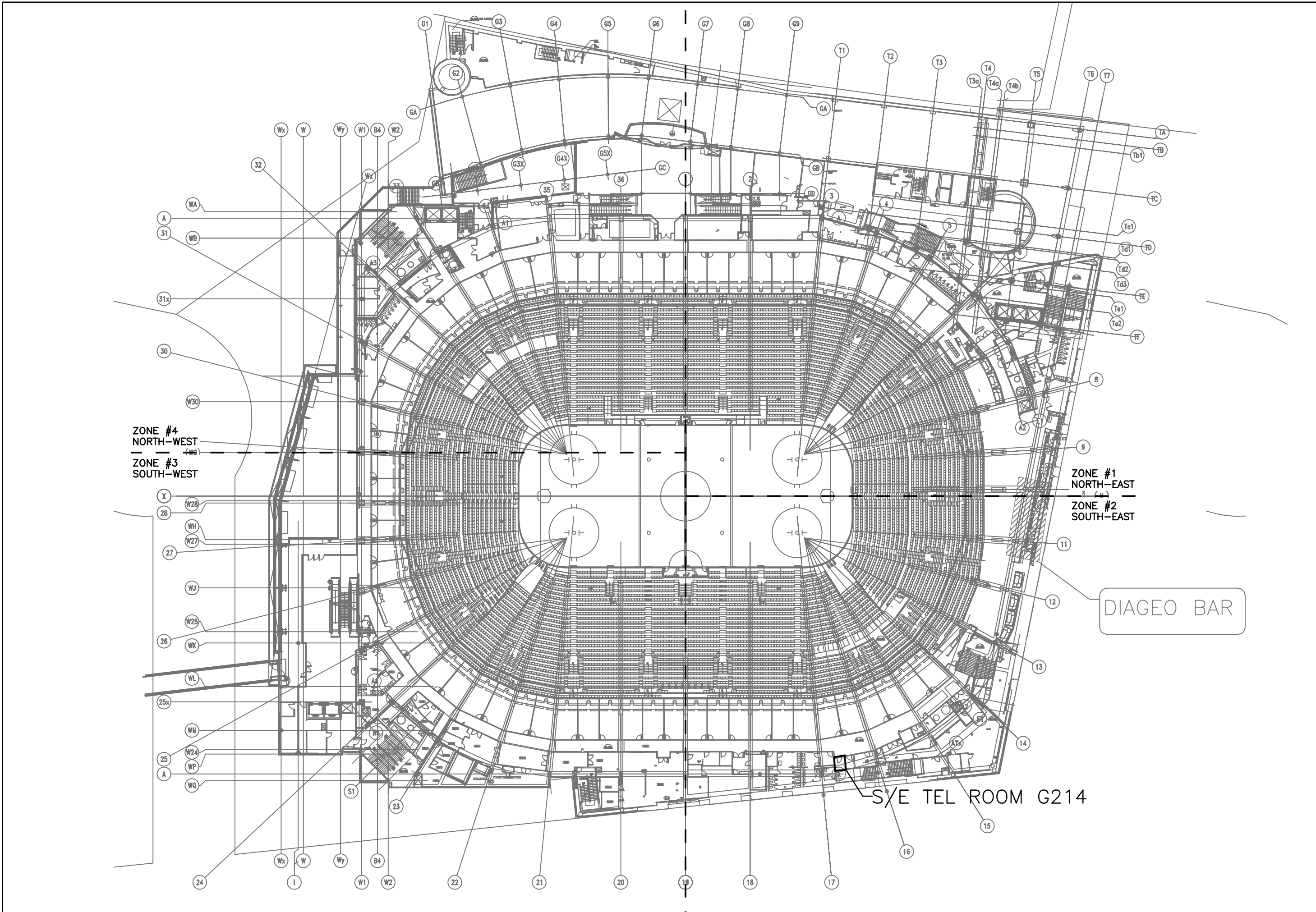
IT-002



3 3RD FLOOR KEY PLAN
IT-003 SCALE: N.T.S.



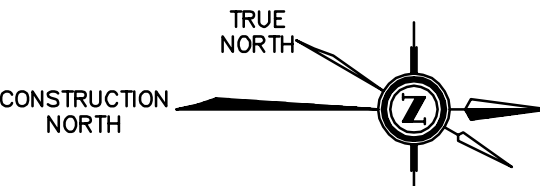
2 2ND FLOOR KEY PLAN
IT-003 SCALE: N.T.S.



1 1ST FLOOR KEY PLAN
IT-003 SCALE: N.T.S.

Revision/Issue	
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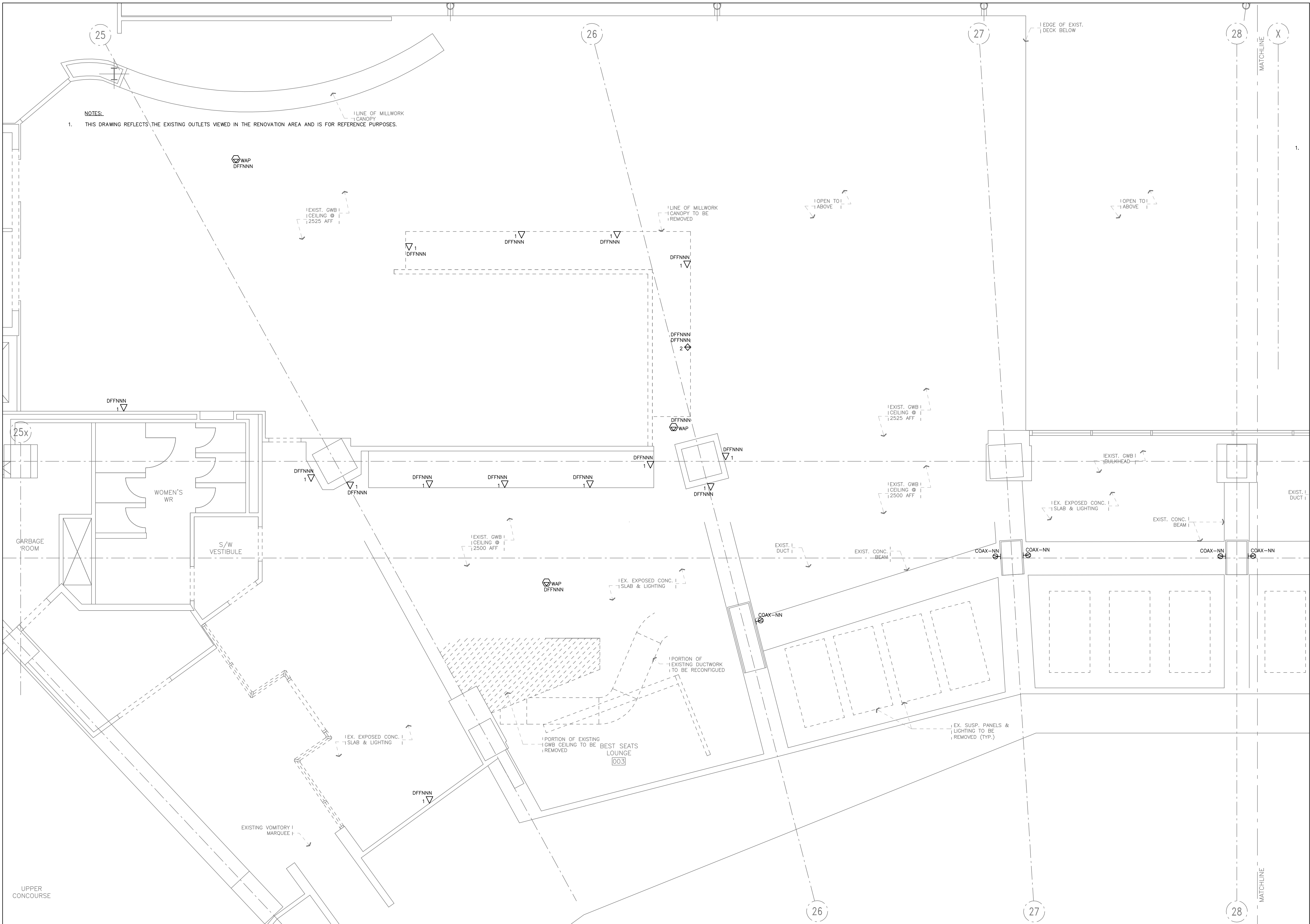
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Sheet Title
**1ST, 2ND AND 3RD
FLOOR KEY PLANS –
IT/COMMUNICATIONS**

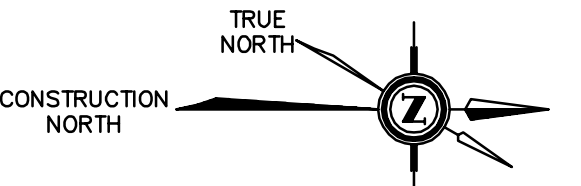
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IT-003



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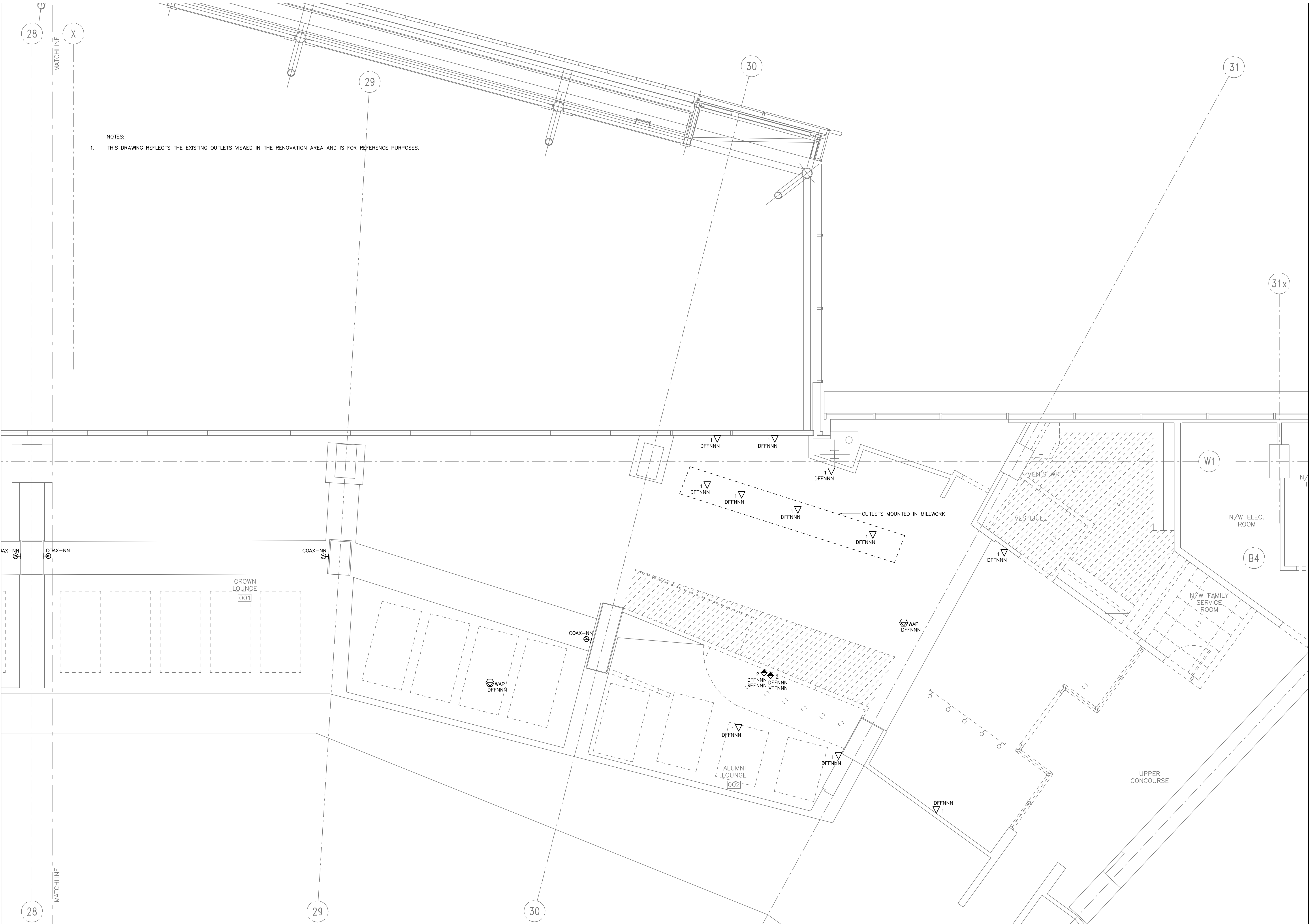
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Sheet Title
**EXISTING SOUTH WEST
3RD FLOOR LAYOUT –
IT/COMMUNICATIONS**

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IT-103A

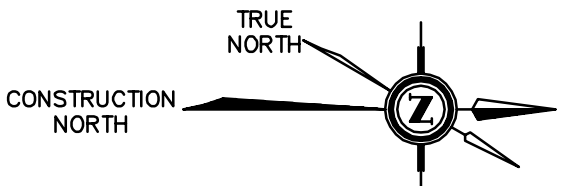


NOTES:

1. THIS DRAWING REFLECTS THE EXISTING OUTLETS VIEWED IN THE RENOVATION AREA AND IS FOR REFERENCE PURPOSES.

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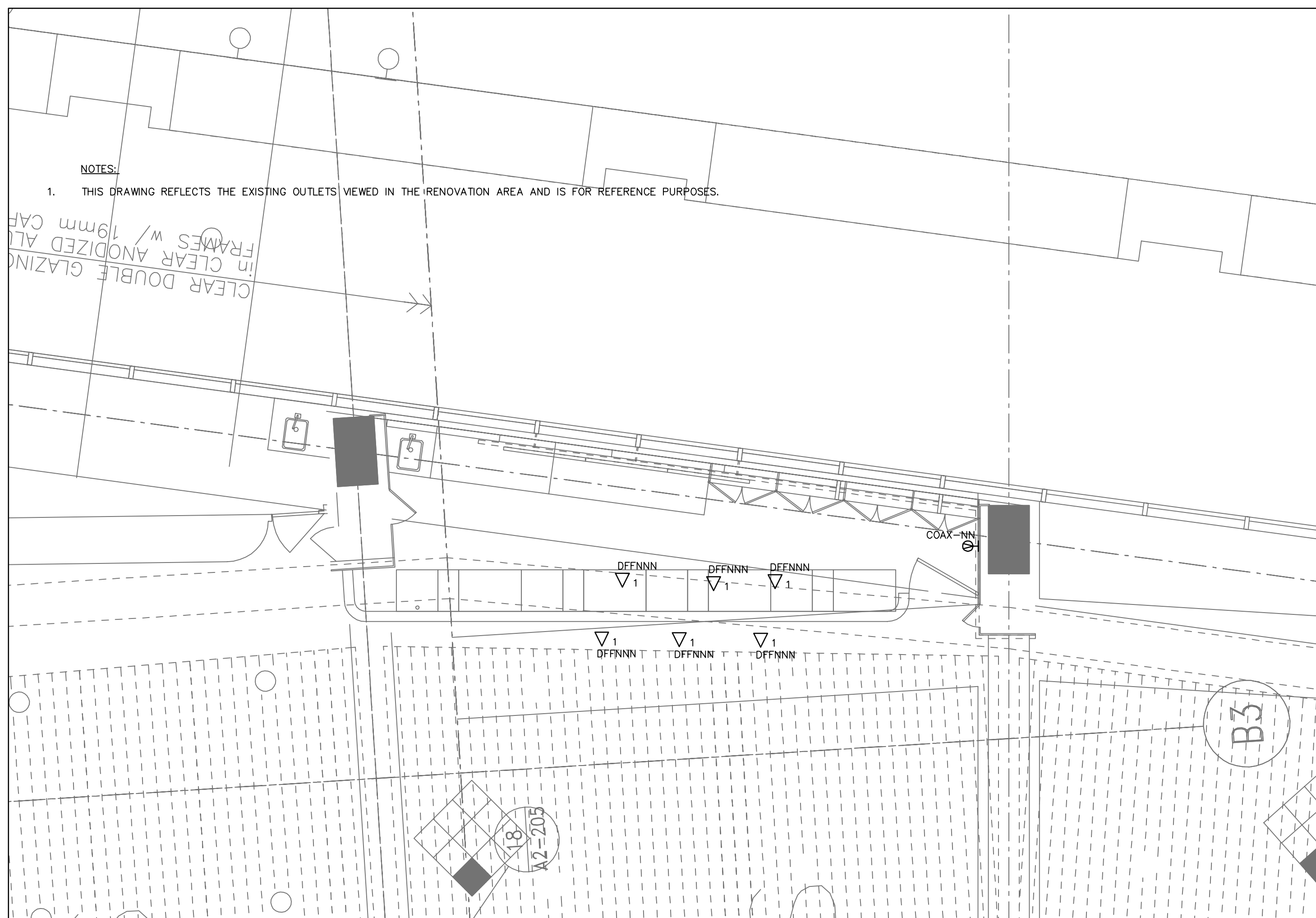
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Sheet Title
**EXISTING NORTH WEST
3RD FLOOR LAYOUT –
IT/COMMUNICATIONS**

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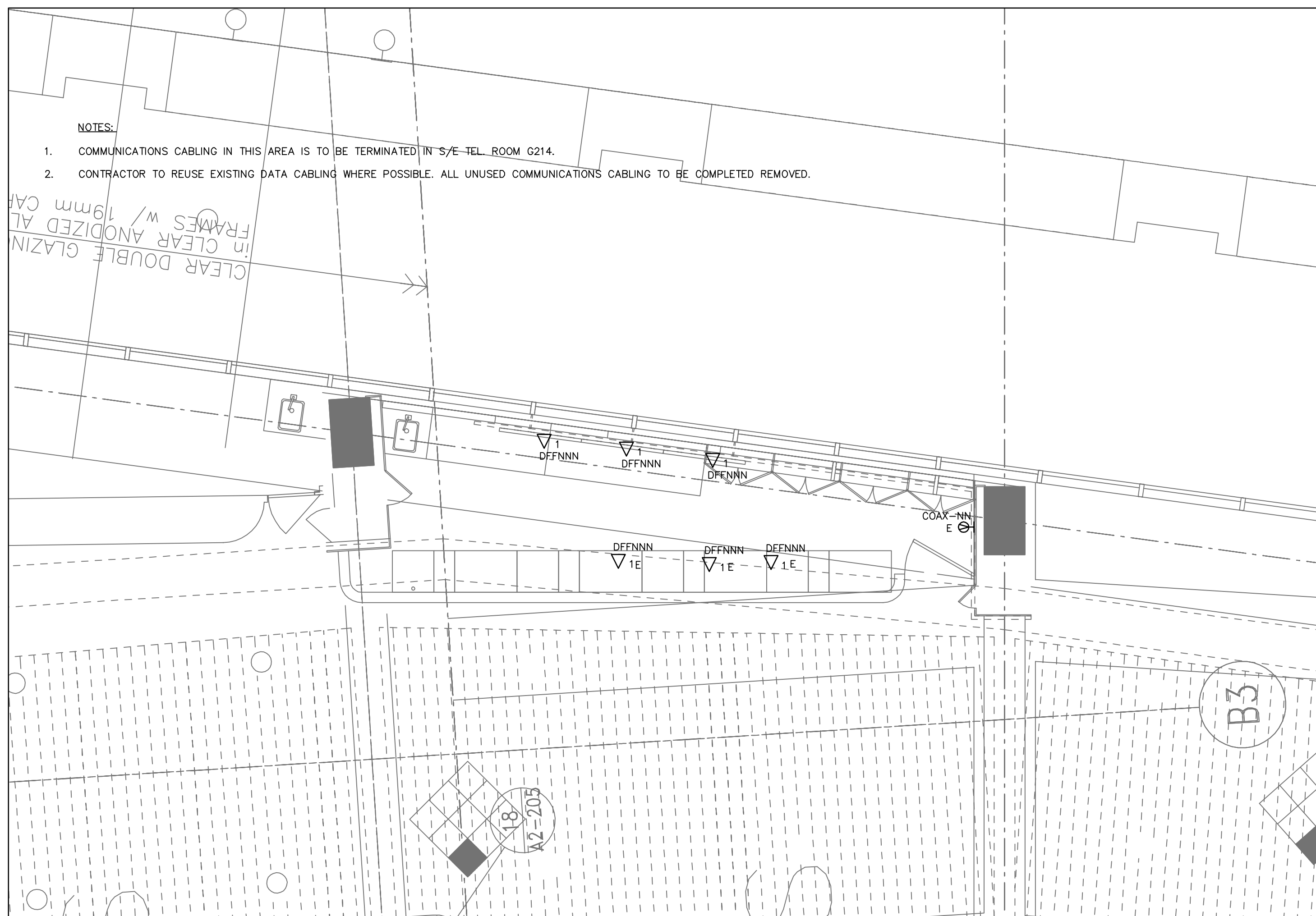
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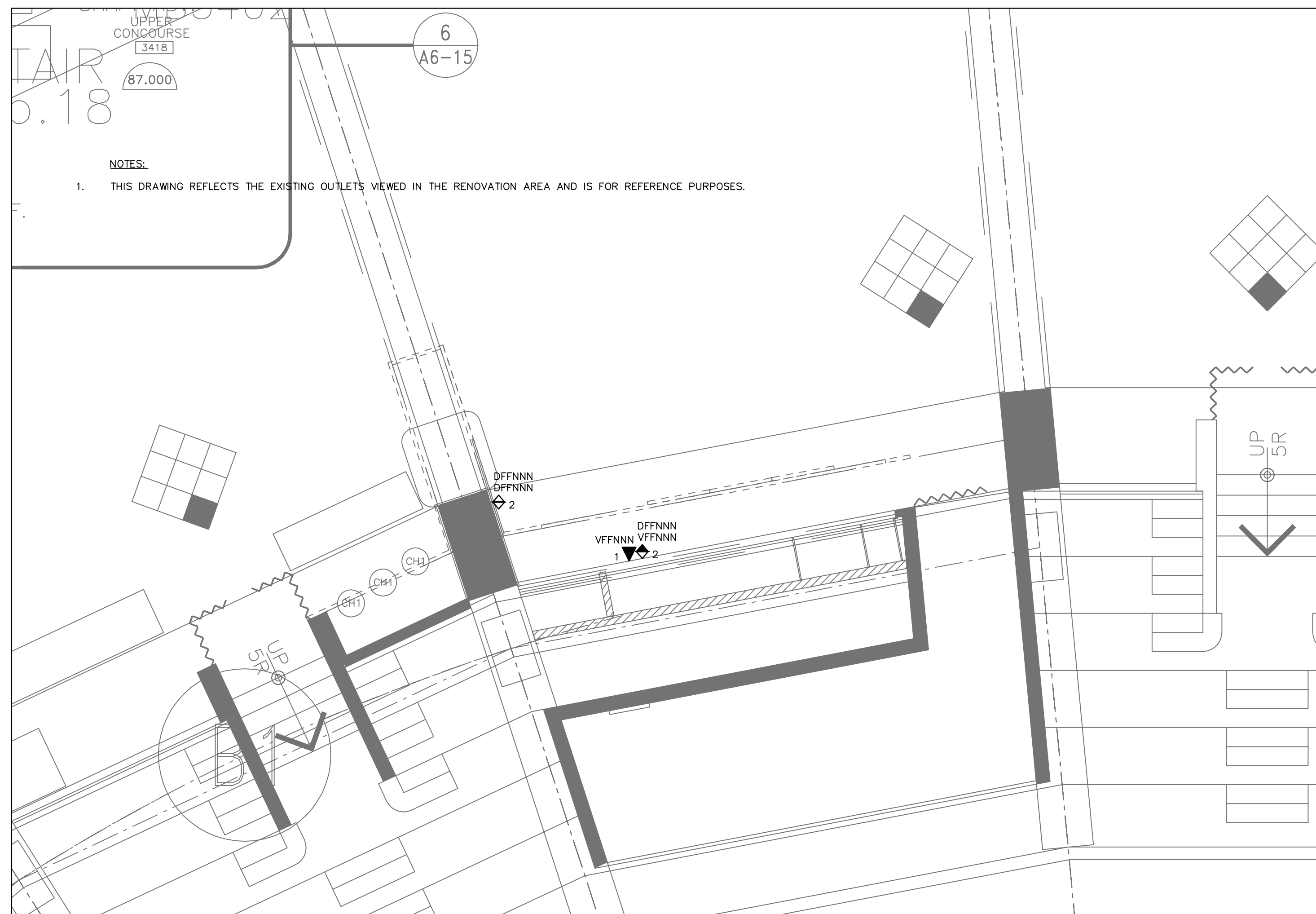
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IT-301

EXISTING 1ST FLOOR DIAGEO BAR LAYOUT - IT/COMMUNICATIONS

SCALE: 1:50



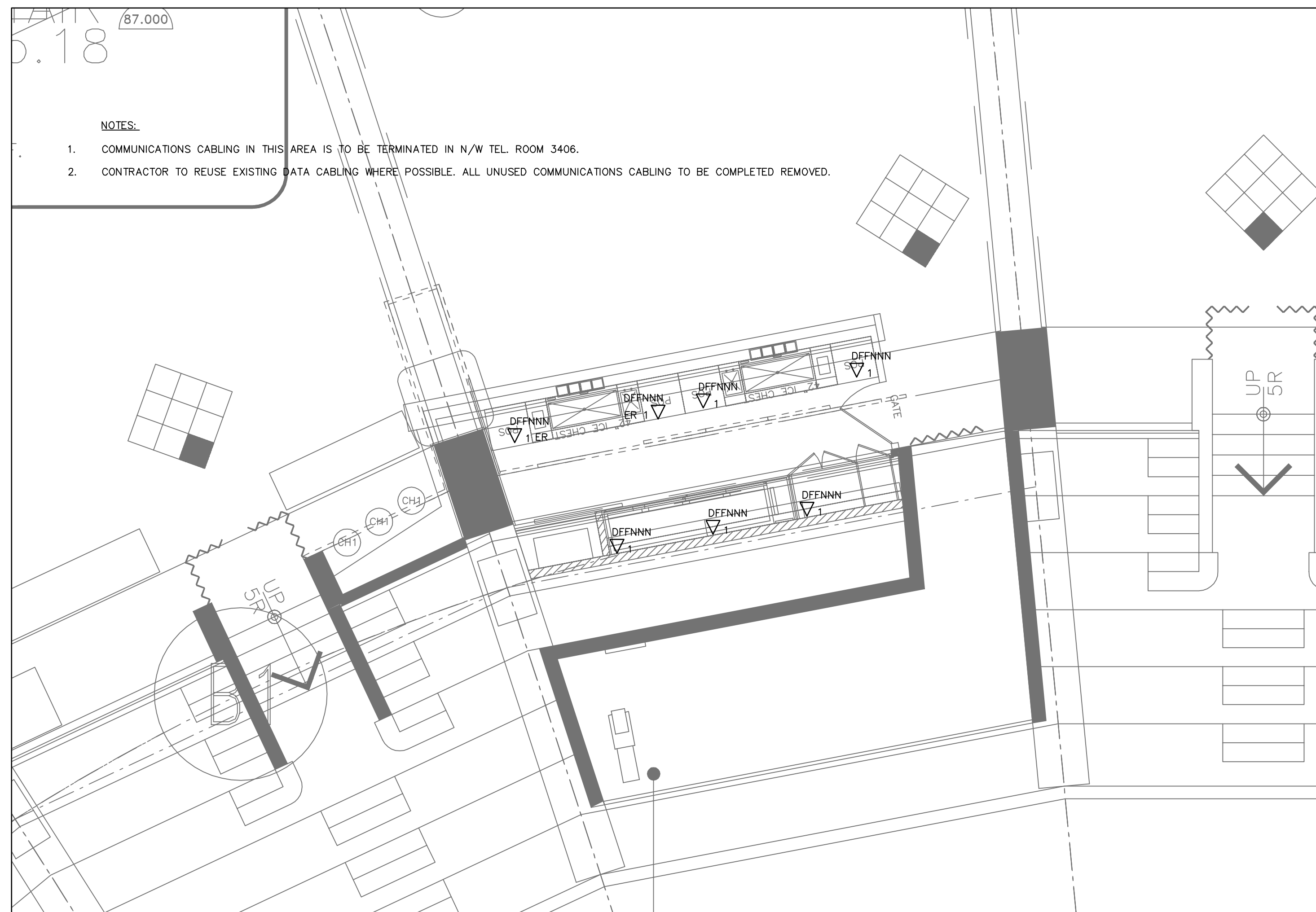
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IT-301 SCALE: 1:50



2
IT-301

EXISTING 3RD FLOOR DIAGEO BAR LAYOUT - IT/COMMUNICATIONS

SCALE: 1:50

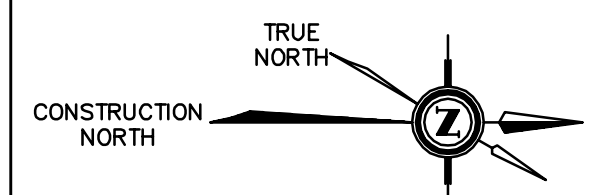


1 NEW 3RD FLOOR DIAGEO BAR LAYOUT - IT/COMMUNICATIONS
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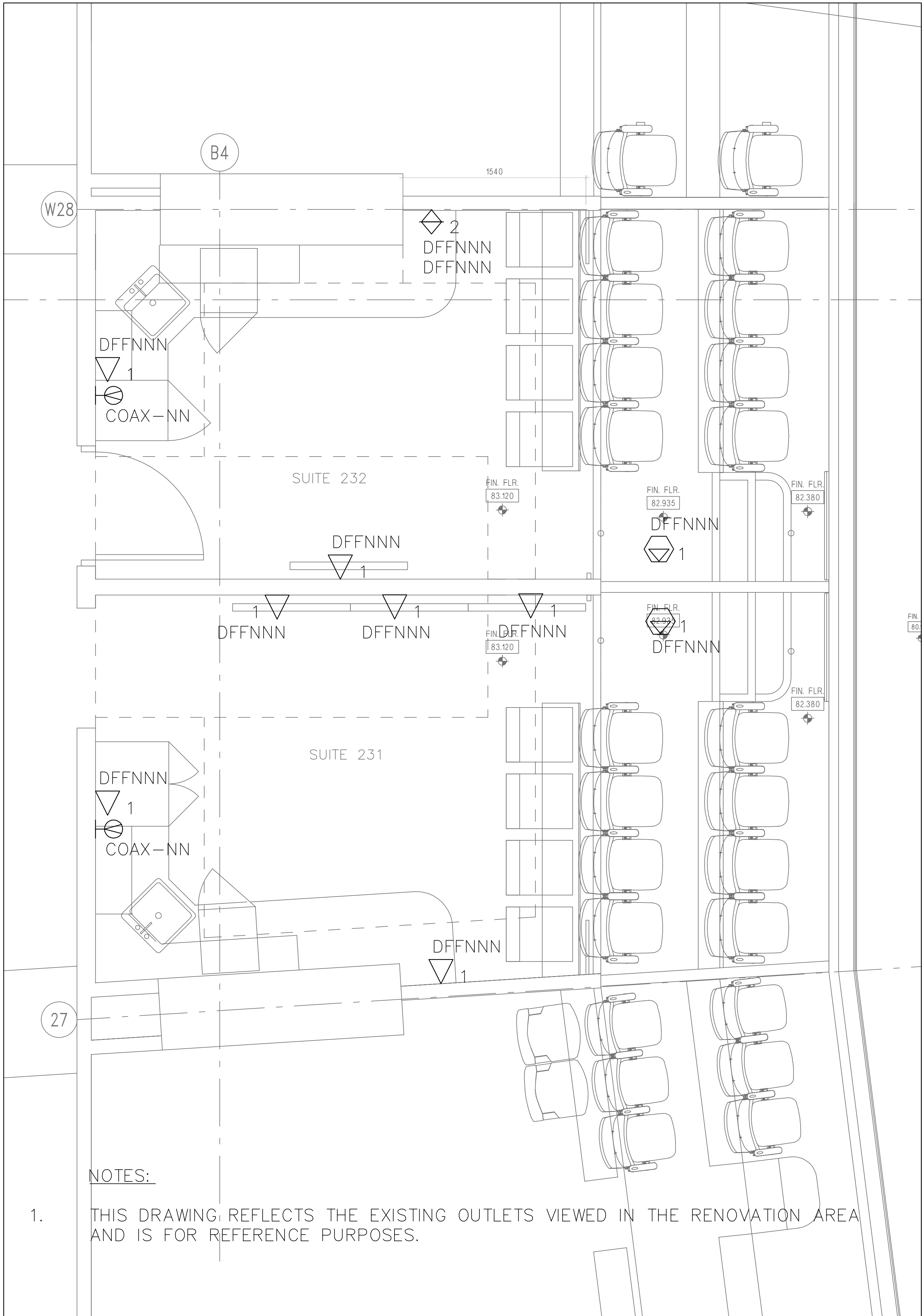
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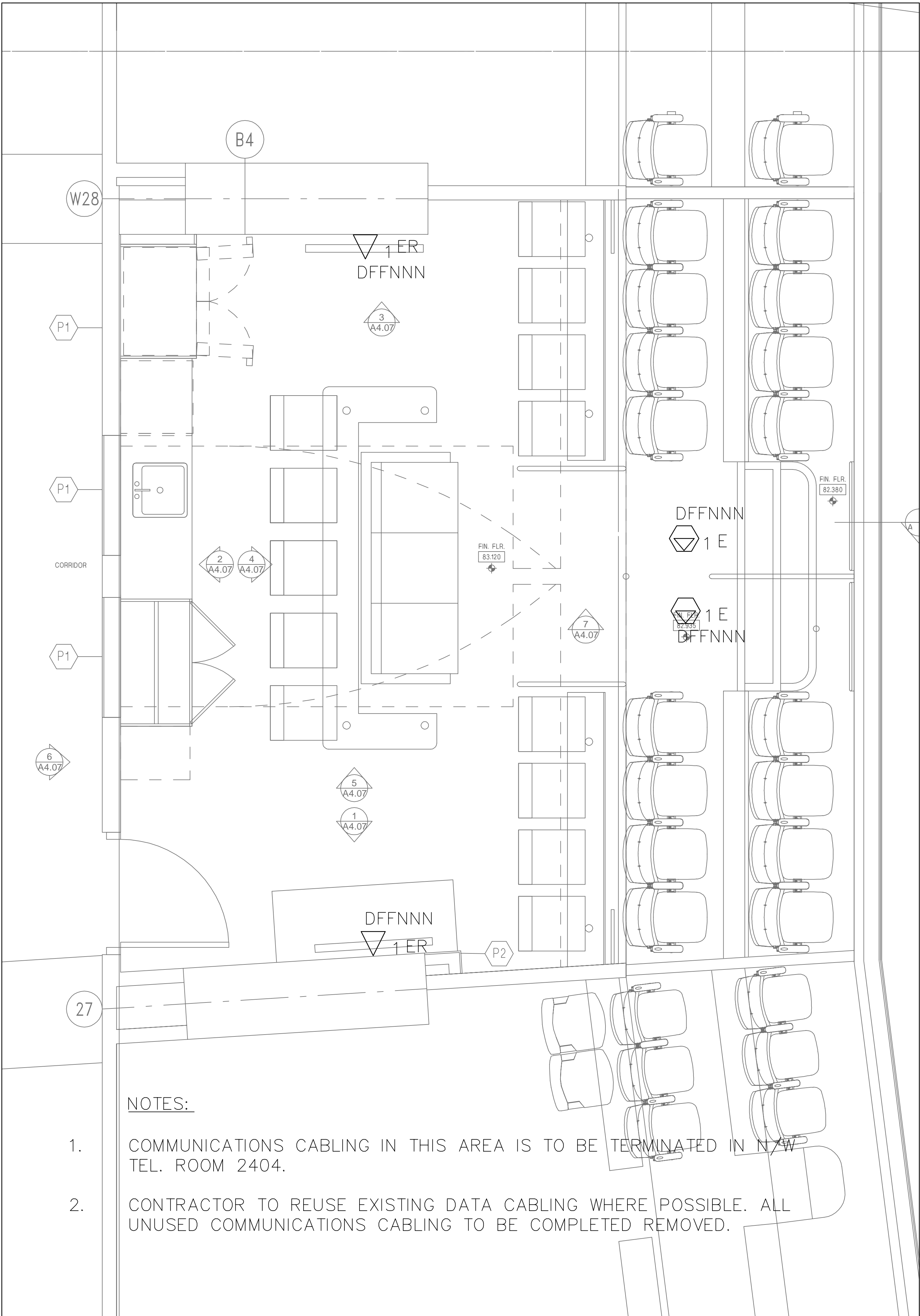
1ST AND 3RD FLOOR
DIAGEO BARS –
IT/COMMUNICATIONS

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IT-301



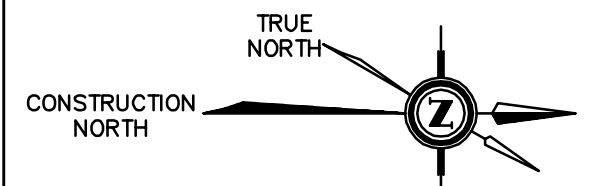
2 EXISTING ALUMNI LOUNGE LAYOUT – IT/COMMUNICATIONS
IT-302 SCALE: 1:20



1 NEW ALUMNI LOUNGE LAYOUT – IT/COMMUNICATIONS
IT-302 SCALE: 1:20

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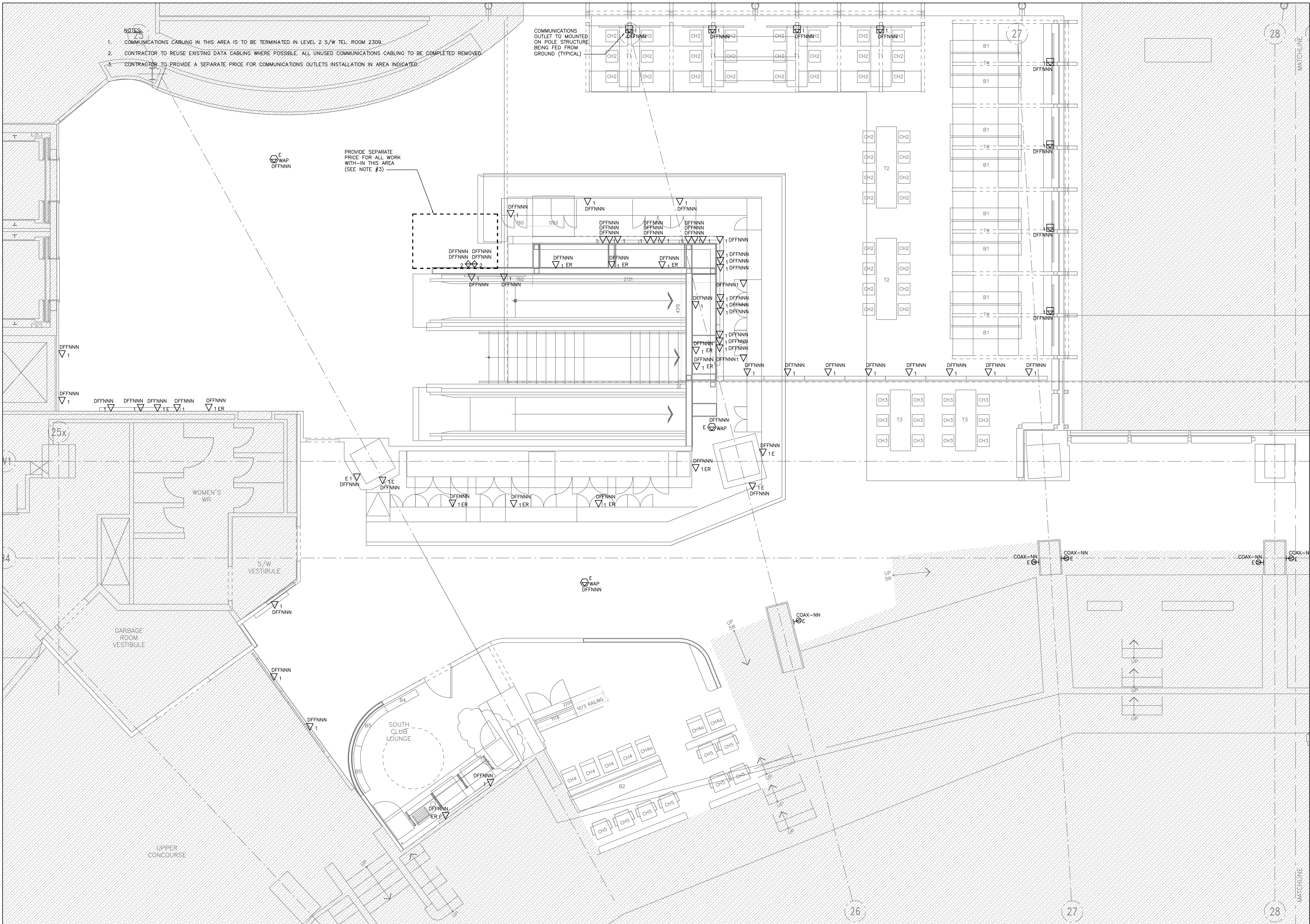
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Sheet Title
2ND FLOOR ALUMNI
LOUNGE LAYOUTS –
IT/COMMUNICATIONS

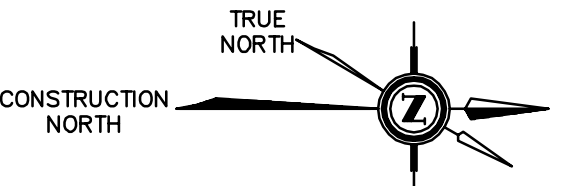
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IT-302



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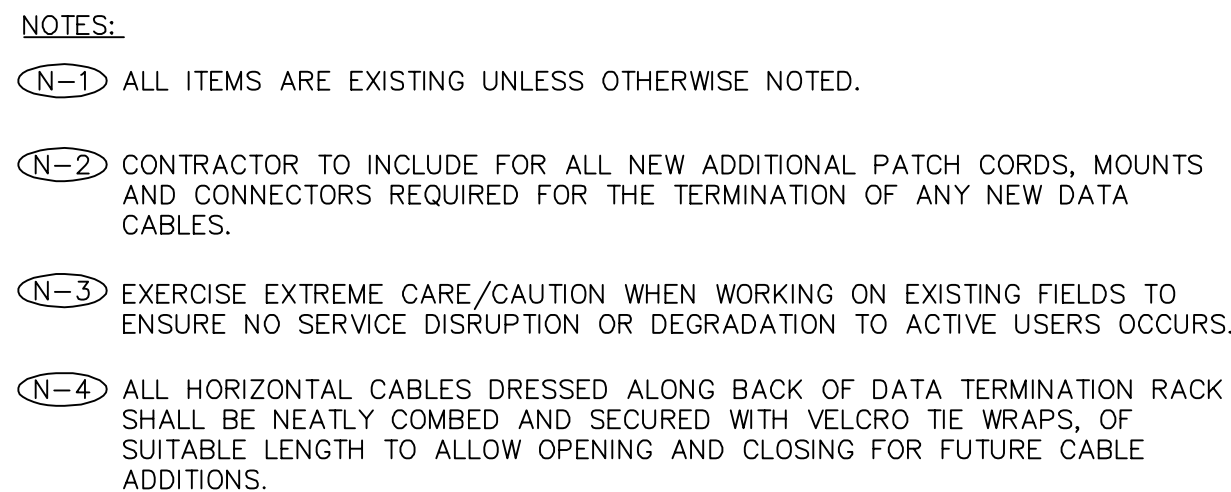
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NEW SOUTH WEST 3RD FLOOR LAYOUT – IT/COMMUNICATIONS

Scale	1:50
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IT-303A



LEGEND

19" EIA RELAY RACK
FOR DATA TERMINATIONS

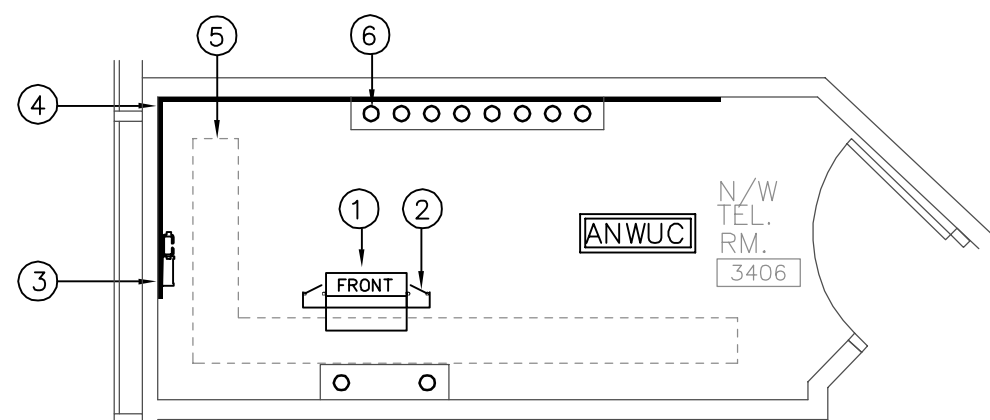
VERTICAL MANAGEMENT TROUGH

BIX BLOCKS FOR VOICE
TERMINATIONS

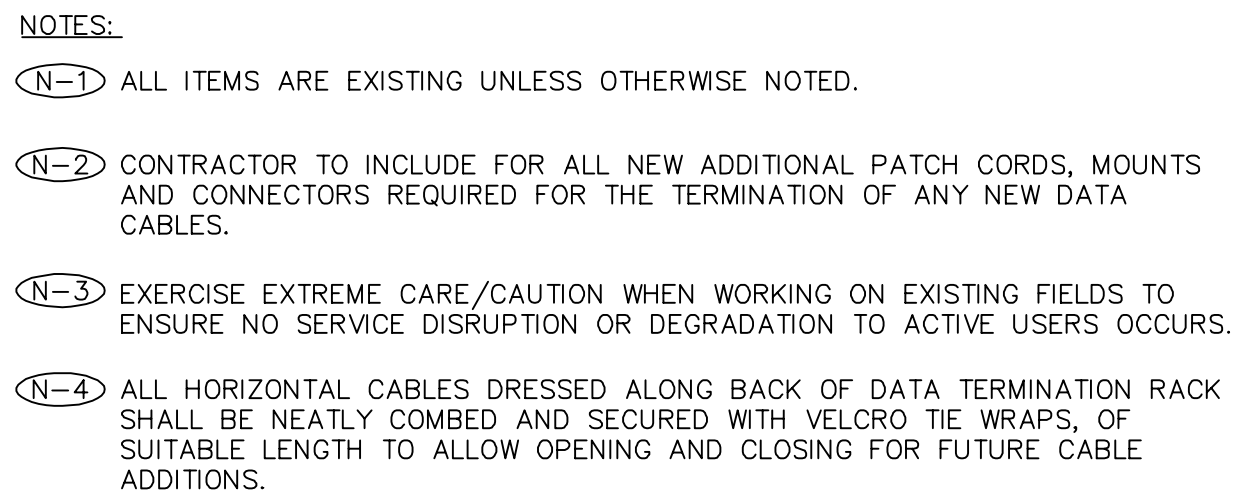
19mm PLYWOOD BACKBAORD
(BY OTHERS)

300mmWx100mmH OVERHEAD
LADDER TRAY

100mm DIA. SLEEVE (TYPICAL)

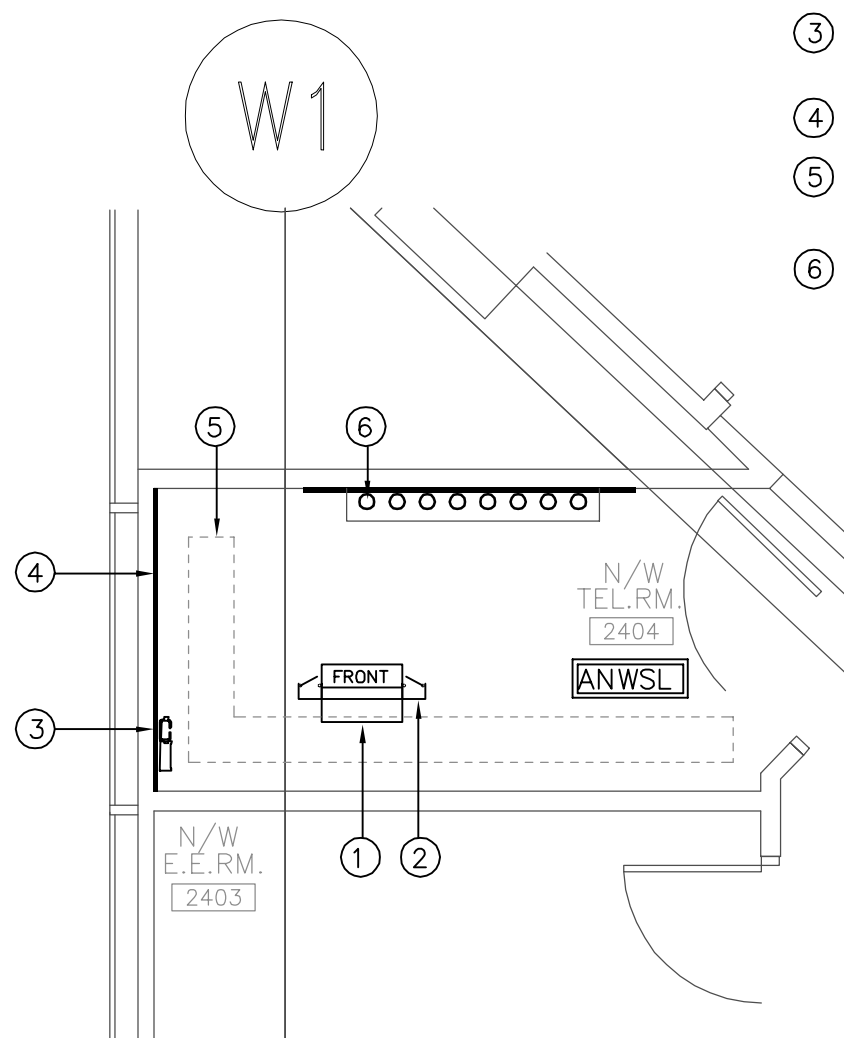


- NOTES:
- (N-1) ALL ITEMS ARE EXISTING UNLESS OTHERWISE NOTED.
 - (N-2) CONTRACTOR TO INCLUDE FOR ALL NEW ADDITIONAL PATCH CORDS, MOUNTS AND CONNECTORS REQUIRED FOR THE TERMINATION OF ANY NEW DATA CABLES.
 - (N-3) EXERCISE EXTREME CARE/CAUTION WHEN WORKING ON EXISTING FIELDS TO ENSURE NO SERVICE DISRUPTION OR DEGRADATION TO ACTIVE USERS OCCURS.
 - (N-4) ALL HORIZONTAL CABLES DRESSED ALONG BACK OF DATA TERMINATION RACK SHALL BE NEATLY COMBED AND SECURED WITH VELCRO THE WRAPS, OF SUITABLE LENGTH TO ALLOW OPENING AND CLOSING FOR FUTURE CABLE ADDITIONS.

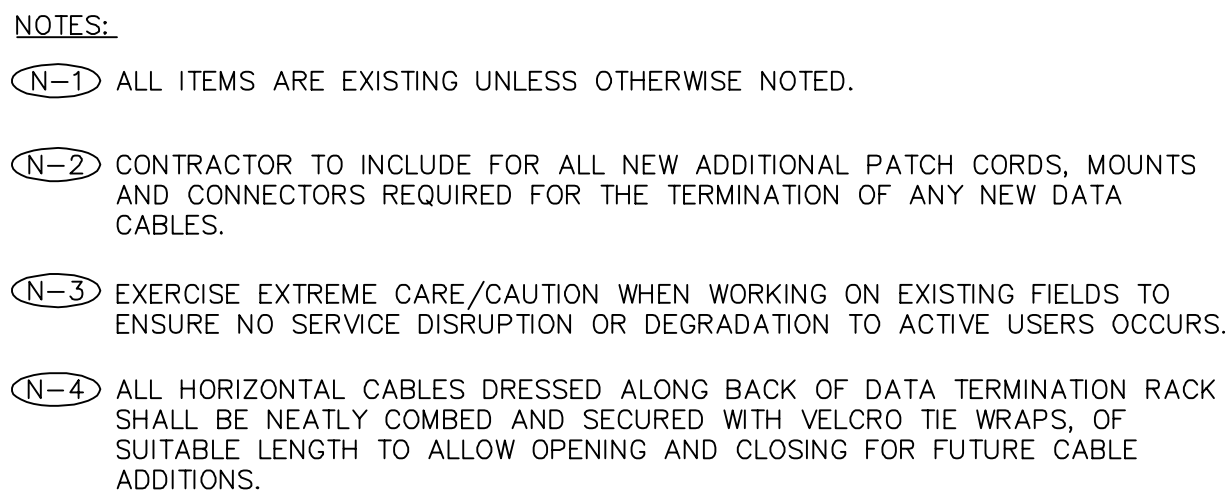


LEGEND

- ① 19" EIA RELAY RACK
FOR DATA TERMINATIONS
- ② VERTICAL MANAGEMENT TROUGH
- ③ BIX BLOCKS FOR VOICE
TERMINATIONS
- ④ 19mm PLYWOOD BACKBOARD
- ⑤ 300mmWx100mmH OVERHEAD
LADDER TRAY
- ⑥ 100mm DIA. SLEEVE (TYPICAL)

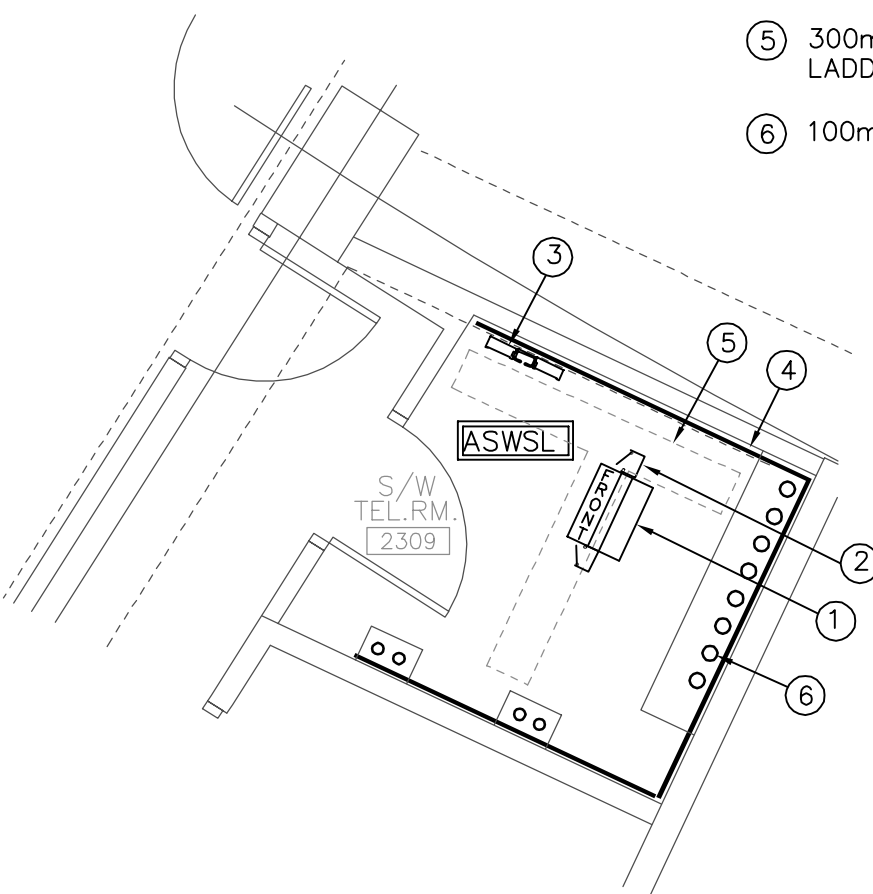


- NOTES:
- (N-1) ALL ITEMS ARE EXISTING UNLESS OTHERWISE NOTED.
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 - (N-3) EXERCISE EXTREME CARE/CAUTION WHEN WORKING ON EXISTING FIELDS TO ENSURE NO SERVICE DISRUPTION OR DEGRADATION TO ACTIVE USERS OCCURS.
 - (N-4) ALL HORIZONTAL CABLES DRESSED ALONG BACK OF DATA TERMINATION RACK SHALL BE NEATLY COMBED AND SECURED WITH VELCRO TIE STRAPS, OF SUITABLE LENGTH TO ALLOW OPENING AND CLOSING FOR FUTURE CABLE ADDITIONS.

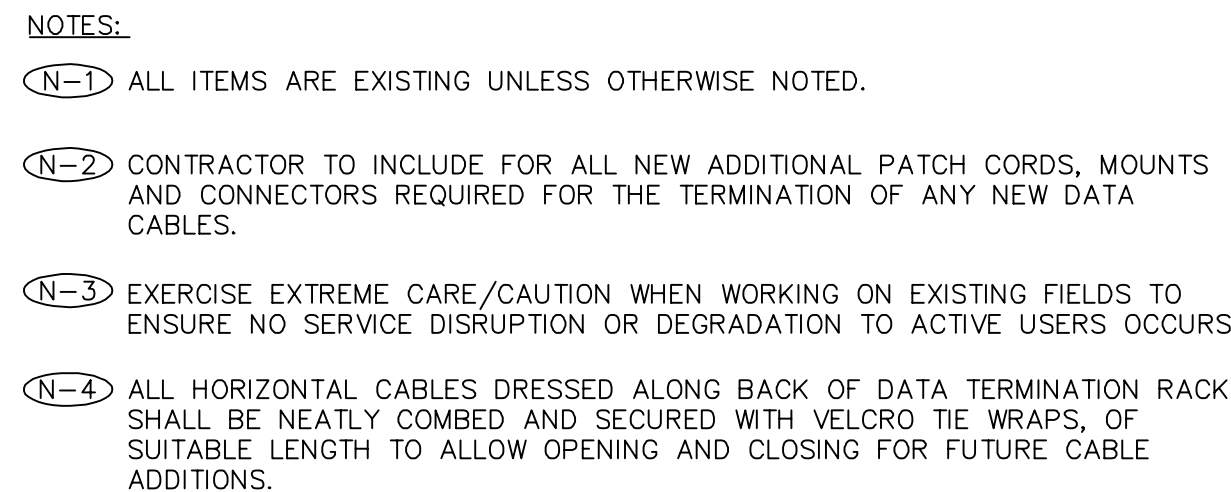


LEGEND

- ① 19" EIA RELAY RACK
FOR DATA TERMINATIONS
- ② VERTICAL MANAGEMENT TROUGH
- ③ BIX BLOCKS FOR VOICE
TERMINATIONS
- ④ 19mm PLYWOOD BACKBOARD
- ⑤ 300mmWx100mmH OVERHEAD
LADDER TRAY
- ⑥ 100mm DIA. SLEEVE

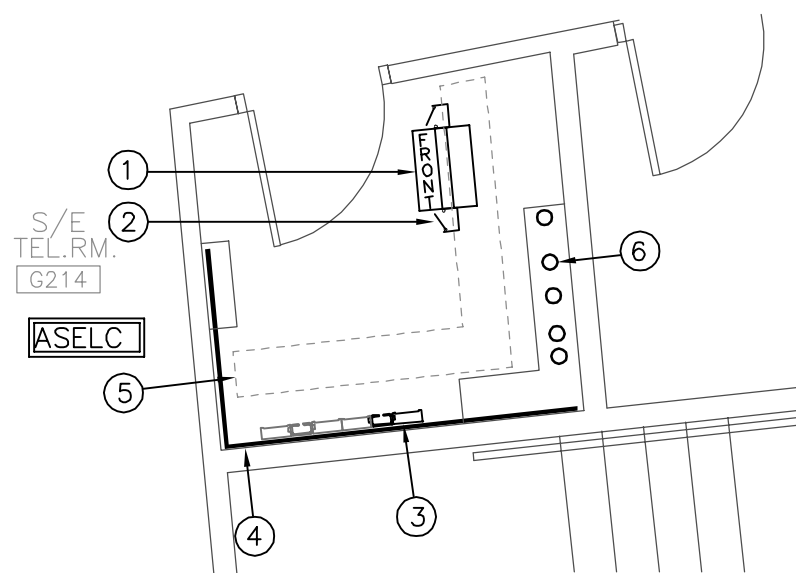


- NOTES:
- (N-1) ALL ITEMS ARE EXISTING UNLESS OTHERWISE NOTED.
- (N-2) CONTRACTOR TO INCLUDE FOR ALL NEW ADDITIONAL PATCH CORDS, MOUNTS AND CONNECTORS REQUIRED FOR THE TERMINATION OF ANY NEW DATA CABLES.
- (N-3) ENSURE EXTREME CARE/CAUTION WHEN WORKING ON EXISTING FIELDS TO DISRUPT NO SERVICE DISRUPTION OR DEGRADATION TO ACTIVE USERS OCCURS.
- (N-4) ALL HORIZONTAL CABLES DRESSED ALONG BACK OF DATA TERMINATION RACK SHALL BE NEATLY COMBED AND SECURED WITH VELCRO TIE WRAPS, OF SUITABLE LENGTH TO ALLOW OPENING AND CLOSING FOR FUTURE CABLE ADDITIONS.



LEGEND

- ① 19" EIA RELAY RACK
FOR DATA TERMINATIONS
- ② FERTICAL MANAGEMENT TROUGH
- ③ BIX BLOCKS FOR VOICE
TERMINATIONS
- ④ 19mm PLYWOOD BACKBOARD
- ⑤ 300mmWx100mmH OVERHEAD
LADDER TRAY
- ⑥ 100mm DIA. SLEEVE

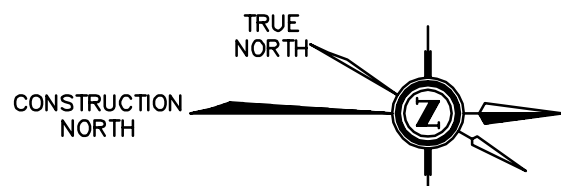


- NOTES:
- (N-1) ALL ITEMS ARE EXISTING UNLESS OTHERWISE NOTED.
 - (N-2) CONTRACTOR TO INCLUDE FOR ALL NEW ADDITIONAL PATCH CORDS, MOUNTS AND CONNECTORS REQUIRED FOR THE TERMINATION OF ANY NEW DATA CABLES.
 - (N-3) EXERCISE EXTREME CARE/CAUTION WHEN WORKING ON EXISTING FIELDS TO ENSURE NO SERVICE DISRUPTION OR DEGRADATION TO ACTIVE WIRING OCCURS
 - (N-4) ALL HORIZONTAL CABLES DRESSED ALONG BACK OF DATA TERMINATION RACK SHALL BE NEATLY COMBED AND SECURED WITH VELCRO TIE WRAPS OF SUITABLE LENGTH TO ALLOW OPENING AND CLOSING FOR FUTURE CABLE ADDITIONS.

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Project
MOLSON FAN ZONE
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Sheet Title

TEL ROOM LAYOUTS
AND DETAILS –
IT/COMMUNICATIONS

Scale AS SHOWN	
Project 16-1124	
Drawn DLH	
Checked DLH	
Dwg. File	
Sheet No.	

IT-401

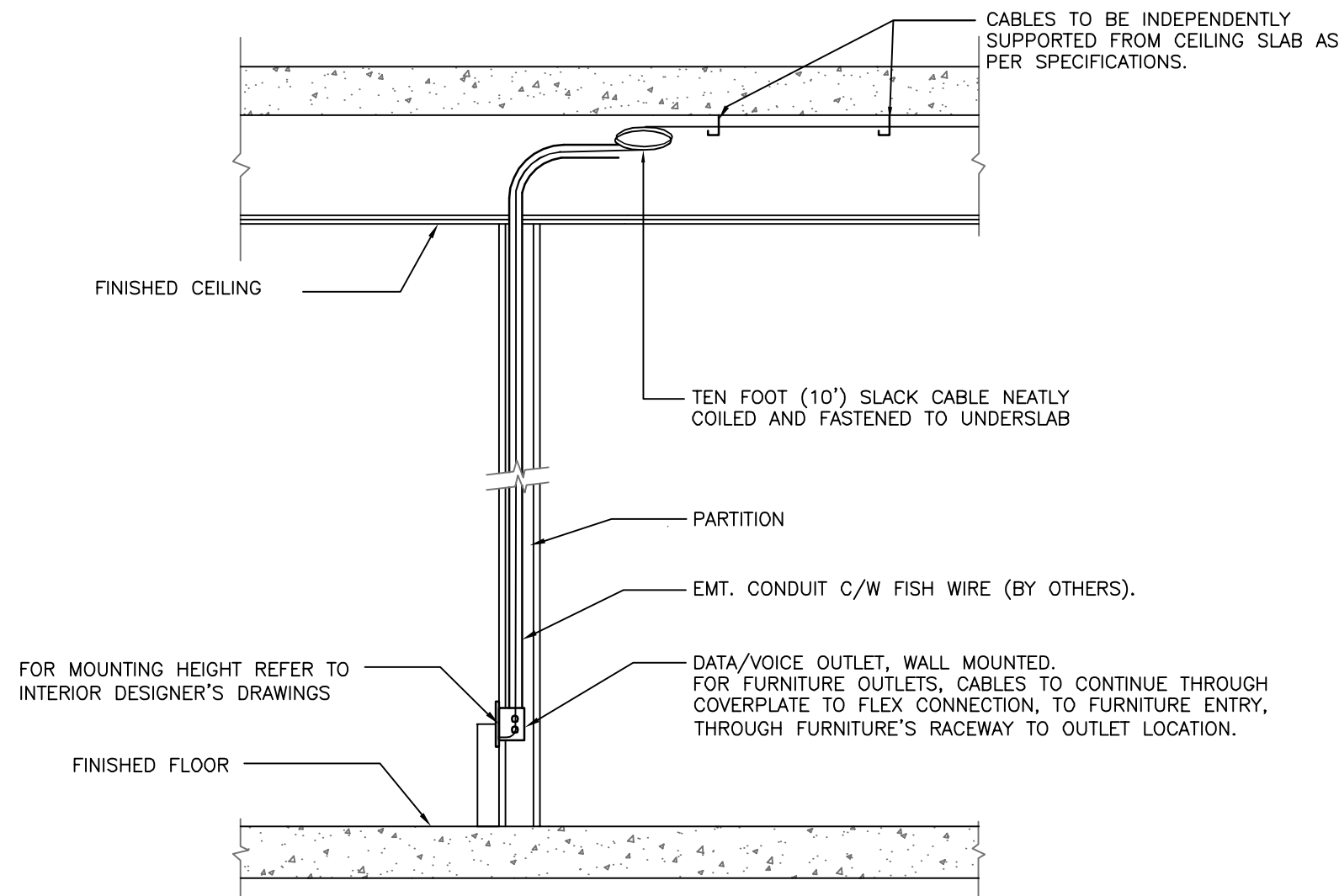
Revision/Issue	
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SYMBOL ON PLANS ∇, ◆



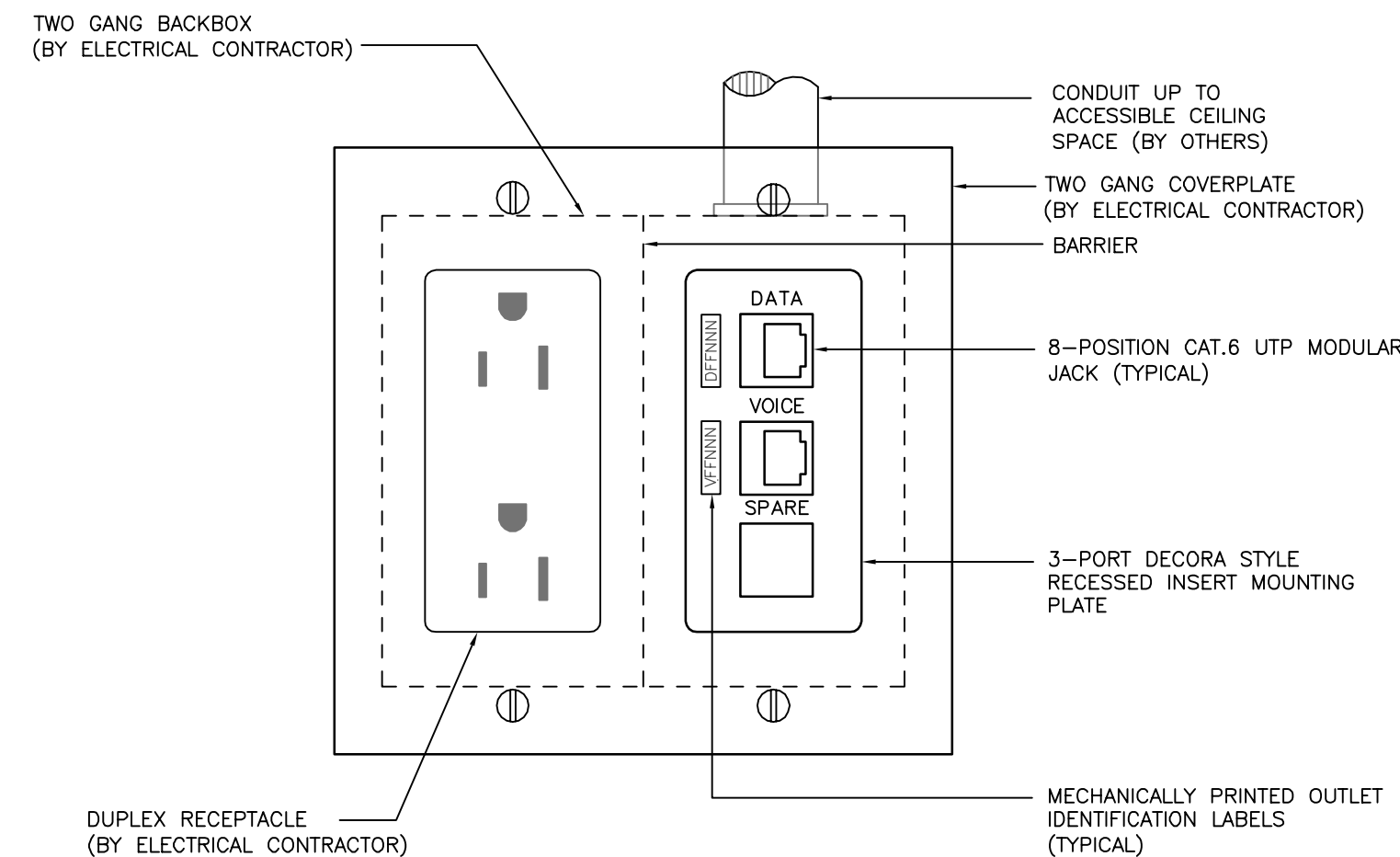
- NOTES:
- (N-1) COORDINATE THE COMMUNICATIONS CONDUIT REQUIREMENTS AND ROUTING WITH ELECTRICAL CONTRACTOR.
 - (N-2) HORIZONTAL DATA AND VOICE CABLES ARE TO BE ROUTED TO THE LAN/HUB ROOM FOR TERMINATION.

2
IT601

TYPICAL SECTION OF WALL DATA OUTLET

SCALE: N.T.S.

SYMBOL ON PLANS ∇, ◆



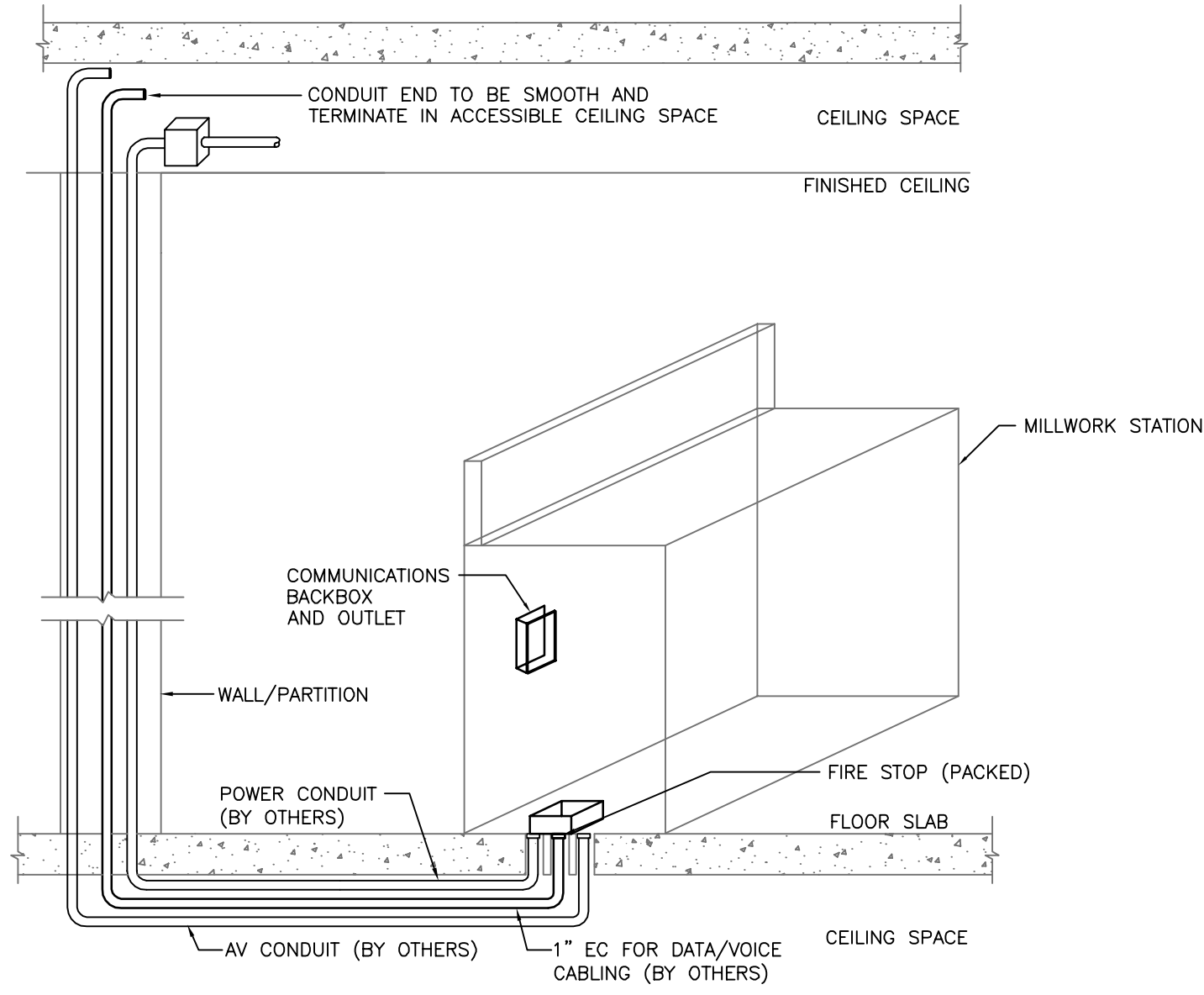
- NOTES:
- (N-1) PROVIDE BLANK FILLERS AT SPARE JACK LOCATIONS AS REQUIRED.
 - (N-2) THE COLOUR OF COMMUNICATIONS INSERT PLATE TO MATCH COLOUR USED FOR DUPLEX RECEPTACLES.
 - (N-3) COLOUR OF COMMUNICATIONS JACKS AT STATION END TO BE BLUE FOR DATA.

1
IT601

TYPICAL POWER/COMBINATION WALL OUTLET DETAIL

SCALE: N.T.S.

SYMBOL ON PLANS ∇, ◆

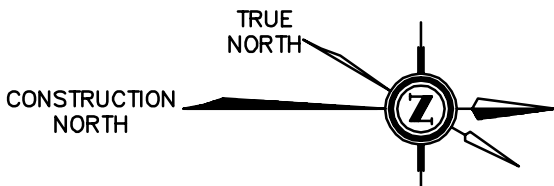


- NOTES:
- (N-1) COORDINATE THE COMMUNICATIONS CONDUIT REQUIREMENTS AND ROUTING WITH ELECTRICAL CONTRACTOR.

3
IT601

DATA OUTLET IN MEETING ROOM TABLE

SCALE: N.T.S.



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Sheet Title
IT/COMMUNICATIONS DETAILS

Scale	NTS
Project	16-1124
Drawn	DLH
Checked	DLH
Dwg. File	
Sheet No.	

IT-601