GENERAL SCOPE REQUIREMENTS

1. **SCOPE SUMMARY**
   1.1. "T" DOCUMENTS IDENTIFY COMPONENTS RELATED TO THE MULTIPLE CONSTRUCTION TRADES. THE FOLLOWING LIST SUMMARIZES THE DELINEATION OF SCOPE RESPONSIBILITY WITHIN THESE DOCUMENTS.
   1.2. THE ARCHITECTURAL DRAWINGS SUPERSEDE THE DIMENSIONS AND ELEVATIONS ON THE TECHNOLOGY DRAWINGS. REFER TO ARCHITECTURAL PLANS AND DETAILS FOR:
   1.2.1. ROOM NAMES AND NUMBERS
   1.2.2. MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES
   1.2.3. DIMENSIONS AND FINAL LOCATIONS OF FURNITURE AS RELATED TO ELECTRICAL DEVICES
   1.2.4. DEVICE BACK-BOX LOCATIONS AND FACEPLATE COLORS
   1.2.5. HORIZONTAL DIMENSIONS OF ALL TECHNOLOGY EQUIPMENT
   1.3. THE DESIGN DOCUMENTS ARE DIAGRAMMATIC AND INDICATE APPROXIMATE LOCATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE FINAL DEVICE/EQUIPMENT LOCATIONS WITH EXISTING FIELD CONDITIONS: NEW EQUIPMENT; FURNITURE; DUCTWORK; AND THE ARCHITECTURAL DRAWINGS.
   1.4. ALL CONTRACTORS SHALL MAINTAIN ACCESS TO EXISTING STAIRS, WALKWAYS, CORRIDORS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STAIRS, WALKWAYS, CORRIDORS OR OTHER MEANS OF EXIT WITHOUT WRITTEN PERMISSION FROM THE OWNER AND AUTHORITIES HAVING WRITTEN JURISDICTION
   1.5. CONTRACTORS SHALL INCLUDE PROVISIONS FOR PREMIUM TIME WORK FOR ANY REQUIRED SHUTDOWNS. INCLUDE PREMIUM TIME HOURLY RATE IN BID. ALL CORING MUST BE PERFORMED ON PREMIUM TIME.
   1.6. CONTRACTORS SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL BUILDING STANDARDS, RULES AND REGULATIONS.
   1.7. CONTRACTOR INSTALLATION SHALL INCLUDE ACCEPTING THE OWNER PROVIDED EQUIPMENT AT THE DOCK, TRANSPORTING THE EQUIPMENT TO THE DESIGNATED EQUIPMENT ROOM, MOUNTING, LEVELING AND GROUNDING OF THE EQUIPMENT. THE CONTRACTOR SHALL INCLUDE COORDINATION WITH THE OWNER AND THE OWNER'S TRANSPORTATION COMPANY TO SCHEDULE DELIVERY DATE, TIME AND DOCK REQUIREMENTS.
2. **CONSTRUCTION ROOM READY**
   2.1. CONSTRUCTION ROOM READY FOR ALL TECHNOLOGY SPACES SHALL BE A MINIMUM OF 20 WEEKS PRIOR TO TURN OVER DATE TO ALLOW OWNER TO INSTALL AND BURN-IN EQUIPMENT.
   2.2. THE GENERAL CONTRACTOR SHALL TURN-OVER CLEAN AND DUST-FREE TECHNOLOGY SPACES.
   2.3. ALL TECHNOLOGY SPACES MUST HAVE FINISHED FLOORS/WALLS/CEILINGS.
   2.4. FLOORS SHALL BE TILED OR SEALED CONCRETE.
   2.5. ALL PAINTING SHALL BE COMPLETED.
   2.6. CEILINGS SHALL BE COMPLETED, OPEN/EXPOSED CEILINGS SHALL BE SEALED AND CLEANED.
   2.7. ALL INSTALLED RACKS, CABINETS AND LADDER RACKING SHALL BE WIPED DOWN WITH A LINT FREE CLOTH.
   2.8. THE GC SHALL INSTALL FILTERS TO PROTECT OWNER INSTALLED EQUIPMENT FROM CONSTRUCTION DUST DURING THE PERIOD BETWEEN ROOM TURN-OVER AND CLIENT OCCUPANCY.
   2.9. ALL DUST AND FLOOR DEBRIS SHALL BE REMOVED WITH A HEPA-FILTERED VACUUM.
   2.10. ALL HVAC FILTERS SHALL BE CLEANED AND REPLACED PRIOR TO ROOM TURN-OVER.
   2.11. THE TECHNOLOGY SPACES SHALL NOT BE USED FOR STORAGE OF MATERIALS OR TOOLS.
   2.12. TECHNOLOGY SPACES MUST BE LOCKED SO THAT EQUIPMENT CAN BE INSTALLED OR PLACED.
3. **OWNER REQUIREMENTS**
   3.1. AN OWNER EMPLOYEE WILL BE DESIGNATED AS THE AUDIO-VISUAL CONTACT AND WILL BE AVAILABLE TO THE AUDIO-VISUAL CONTRACTOR FOR SPECIFIC CONFIGURATION ISSUES, USER INTERFACE DESIGN APPROVAL, VIDEO/TV SOURCE/DISTRIBUTION COORDINATION AND FOR FINAL SYSTEM TRAINING.
   3.2. AN OWNER EMPLOYEE WILL BE DESIGNATED AS THE NETWORK CONTACT AND WILL BE AVAILABLE TO THE TECHNOLOGY CONTRACTORS TO COORDINATE NETWORK INTEGRATION AND PROVIDE IP ADDRESSES AS NEEDED.
   3.3. AN OWNER EMPLOYEE SHALL ASSIST THE AUDIO-VISUAL CONTRACTOR WITH NETWORK CONNECTIVITY AND ANY OTHER RELATED IT ISSUES.
   3.4. OWNER IS RESPONSIBLE FOR ORDERING AND COORDINATING ALL AUDIO VISUAL, COMMUNICATION AND SECURITY SERVICES PROVIDED BY A THIRD-PARTY SERVICE PROVIDER.
   3.5. OWNER IS RESPONSIBLE TO PROVIDE ALL OWNER FURNISHED EQUIPMENT TO CONTRACTORS AT JOB SITE UNLESS OTHERWISE AGREED UPON WITH CONTRACTORS.
4. **GENERAL CONTRACTOR REQUIREMENTS**
   4.1. FURNISH AND INSTALL THE FIRE TREATED PLYWOOD BACKBOARDS AND STAND-OFFS AS IDENTIFIED ON THESE DOCUMENTS AT A MINIMUM ONE WALL IN EACH IDF AND MDF ROOM.
   4.2. PROVIDE 3/4" PLYWOOD BACKING AT ALL WALL MOUNTED DISPLAYS.
   4.3. PROVIDE WOOD STUDS FOR DISPLAYS WITH ARTICULATING MOUNTS.
   4.4. SUPPORT OF DISPLAYS IS REQUIRED TO MEET A 5:1 WEIGHT RATIO.
   4.5. PROVIDE VENTILATION IN THE AV RACK AREAS INCLUDING CLOSETS AND CREDENZAS.
   4.6. PROVIDE TABLE OPENING CUTTING AND DRILLING FOR AV DEVICES UNLESS NOTED OTHERWISE.
5. **MECHANICAL CONTRACTOR REQUIREMENTS**
   5.1. THE MECHANICAL CONTRACTOR IS REQUIRED TO PROVIDE ADEQUATE COOLING FOR ALL ROOMS CONTAINING TECHNOLOGY EQUIPMENT EITHER BY EXHAUST FAN OR COOLING UNIT AS NEEDED.
6. **ELECTRICAL CONTRACTOR REQUIREMENTS**
   6.1. SHALL FURNISH AND INSTALL FREE STANDING OR IN-ROW UPS AS SPECIFIED. PROVIDE ALL TERMINATIONS AND DISTRIBUTION ASSOCIATED WITH THE UPS.
   6.2. FURNISH AND INSTALL ALL BRANCH POWER IN ACCORDANCE WITH THESE DOCUMENTS AND THE MEP CONSULTANT'S REQUIREMENTS.
   6.3. ALL UPS FED BRANCH CIRCUITS SHALL BE REQUIRED TO BE CLEARLY IDENTIFIED.
   6.4. PROVIDE POWER TO MOTORIZED PROJECTION SCREENS AS NEEDED.
   6.5. PROVIDE BACK BOX FOR PROJECTION SCREEN SWITCH AND CONDUIT TO PROJECTION SCREEN.
   6.6. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY DEVICES NECESSARY TO INTEGRATE THE LIGHTING AND SHADING SYSTEMS WITH THE AUDIO-VISUAL SYSTEMS AS REQUIRED PER ROOM FUNCTION.
   6.7. FURNISH AND INSTALL TWO (2) DUPLEX RECEPTACLES BEHIND EACH MONITOR. RECEPTACLES TO BE FED FROM A DEDICATED CIRCUIT. RECEPTACLES MUST BE LOCATED BEHIND DISPLAY. WHERE RECEPTACLES ARE CEILING MOUNTED, RECEPTACLES MUST BE LOCATED WITHIN 4" OF POST.
   6.8. FURNISH AND INSTALL TWO (2) DUPLEX RECEPTACLES AT EACH PROJECTOR. RECEPTACLES TO BE FED FROM A DEDICATED CIRCUIT. WHERE ABOVE CEILING PROJECTOR ENCLOSURE IS PROVIDED, RECEPTACLES TO BE MOUNTED WITHIN ENCLOSURE. WHERE RECEPTACLES ARE CEILING MOUNTED, RECEPTACLE MUST BE LOCATED WITHIN 4" OF POST. RECEPTACLE MUST BE LOCATED AT REAR OF PROJECTOR.
   6.9. FURNISH AND INSTALL TWO (2) DUPLEX RECEPTACLES BEHIND EACH AV RACK AREA. EACH DUPLEX RECEPTACLE SHALL BE FED FROM A DEDICATED CIRCUIT.
   6.10. FURNISH AND INSTALL ONE (1) DEDICATED QUAD UNDER EACH TABLE THAT CONTAINS AV EQUIPMENT AND/OR TABLETOP DEVICES.
   6.11. FURNISH AND INSTALL ONE (1) DEDICATED QUAD FOR EACH SECURITY PANEL. COORDINATE WITH SECURITY VENDOR.
   6.12. FURNISH AND INSTALL ONE (1) DEDICATED QUAD IN EACH MDF/IDF FOR CATV EQUIPMENT.
   6.13. ALL CONDUIT PATHWAYS, BACK BOXES AND RACEWAYS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AS FOLLOWS:
      6.13.1. A FULL RACEWAY SYSTEM (AS REQUIRED) SHALL BE PROVIDED SUCH THAT THE OVERALL CABLE PATHWAY DOES NOT EXCEED 260-FEET IN LENGTH FOR ALL CABLING SYSTEMS.
      6.13.2. ALL RACEWAYS MUST BE COORDINATED WITH AND APPROVED BY THE CONTRACTOR UTILIZING THE RACEWAY PRIOR TO INSTALLATION BY THE EC.
      6.13.3. PRIOR TO PULLING THE LOW VOLTAGE CABLE THE CC WILL VERIFY AND DOCUMENT THAT ALL RACEWAYS WILL NOT EXCEED 260 FEET.
      6.13.4. CABLES ROUTED ABOVE INACCESSIBLE CEILINGS AND BELOW GRADE SHALL BE INSTALLED IN A COMPLETE CONDUIT RACEWAY SYSTEM.
      6.13.5. CABLES routed THROUGH AREAS OUTSIDE OF THE CLIENT'S SPACE SHALL BE INSTALLED IN A COMPLETE CONDUIT RACEWAY SYSTEM.
      6.13.6. SLEEVES MUST BE PROVIDED AS NEEDED IN WALLS AND BETWEEN FLOORS. ELECTRICAL CONTRACTOR TO COORDINATE QUANTITY AND LOCATION WITH TECHNOLOGY CONTRACTORS.
      6.13.7. AV CABLES ROUTED IN OPEN CEILINGS SHALL BE INSTALLED IN A COMPLETE CONDUIT RACEWAY SYSTEM.
      6.13.8. SPEAKER CABLING MUST BE PROVIDED IN DEDICATED CONDUITS.
      6.13.9. BALANCED AUDIO SIGNAL CABLING MUST BE PROVIDED IN DEDICATED CONDUITS.
      6.13.10. RACEWAY SHALL BE PROVIDED FOR ALL WALL AND FLOOR PENETRATIONS.
      6.13.11. THE CONDUIT PATHWAY SYSTEM MUST CONFORM TO ALL NATIONAL AND LOCAL CODE REQUIREMENTS.
      6.13.12. THERE ARE TO BE NO MORE THAN TWO 90-DEGREE BENDS IN ONE CONTINUOUS RACEWAY BETWEEN PULL POINTS.
      6.13.13. THE CROSS-SECTIONAL FILL AREA OF THE TECHNOLOGY CABLES IN THE CONDUIT SYSTEM DOES NOT EXCEED 40% OR AS REQUIRED BY THE AHJ WHICHEVER IS LESS.
      6.13.14. ALL JUNCTION BOXES BEING USED FOR AV CABLING MUST BE AT LEAST 2-1/8" DEEP AND HAVE 1-1/4" KNOCKOUTS.
      6.13.15. BACKBOXES MUST BE PROVIDED FOR ALL WALL OR CEILING MOUNT DEVICES.
      6.13.16. BACKBOX MOUNTING HEIGHTS MUST BE COORDINATED WITH THE ARCHITECT AND TECHNOLOGY CONTRACTORS. EC TO PROVIDE PENDANT MOUNTS AS NEED TO FACILITATE DESIRED MOUNTING HEIGHTS IN CEILINGS.
      6.13.17. ALL MUD RINGS BEING USED FOR AV MUST BE AT LEAST 5/8" AND THE OPENING MUST HAVE SQUARE CORNERS.
   6.14. ALL CONDUITS THAT WILL CONTAIN HDMI CABLES SHALL BE NO SMALLER THAN 1-1/4". TOTAL RACEWAY SHALL NOT EXCEED 40%. NOTIFY AVC AND ENGINEER OF ANY LOCATION WHICH WILL EXCEED THIS DISTANCE.
   6.15. ALL OPEN CONDUIT ENDS ARE PROVIDED WITH A PLASTIC BUSHING OR PLASTIC SLEEVE.
   6.16. JUNCTION BOXES AND PULL BOXES SHALL NOT BE USED TO CREATE A 90 DEGREE BEND. ALL CABLES SHALL PASS STRAIGHT THROUGH THE PULL BOX.
   6.17. PULL BOXES SHALL BE SIZED PER NEC ARTICLE 314.
   6.18. NO SECTION OF INDOOR CONDUIT SHALL BE LONGER THAN 100' BETWEEN PULL POINTS.
   6.19. FURNISH AND INSTALL 200 POUND TENSILE, RATED NYLON PULL STRING IN ALL CONDUITS FOR SYSTEMS IDENTIFIED ON THESE DRAWINGS.
   6.20. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT STUB UPS. STUB UP INSTALLATION SHALL ADHERE TO LOCAL CODES AND THE ELECTRICAL SPECIFICATIONS AND DESIGN DOCUMENTS.
   6.21. PROVIDE ALL CABLE DISTRIBUTION BASKET TRAYS OUTSIDE OF THE IDF/MDF ROOMS.
   6.22. GROUNDING:
      6.22.1. PROVIDE A TIA APPROVED TIN-PLATED GROUND BAR AND ALL COMMUNICATIONS BONDING BACKBONE CABLING.
      6.22.2. PROVIDE A MINIMUM OF TWO SOURCES TO GROUND AT EACH COMMUNICATION GROUNDING BUSBAR.
      6.22.3. WHEN BONDING TO STRUCTURAL STEEL, FURNISH AND INSTALL IRREVERSIBLE HY-PRESS I-BEAM CONNECTORS.
   6.23. INCLUDE THE LABOR, MATERIAL AND TOOLS NEEDED TO X-RAY SCAN OR GPR ALL PROPOSED CORE AND SAW-CUTTING LOCATIONS.
   6.24. THE ELECTRICAL CONTRACTOR SHALL INSPECT ALL PENETRATIONS THROUGH EXISTING FIRE- OR SMOKE-RATED PARTITIONS AND FIRE-RATED FLOOR CONSTRUCTION WITHIN AND ABOVE THE PROJECT AREA. THE CONTRACTOR SHALL VERIFY THAT ALL REQUIRED FIRE AND SMOKE SEALS AND DAMPERS ARE IN PLACE AND FUNCTIONAL. THE CONTRACTOR SHALL PROVIDE OR RESTORE SEALS AND DAMPERS TO MAINTAIN THE INTEGRITY OF ALL REQUIRED SEPARATIONS.
   6.25. COORDINATE WITH THE TECHNOLOGY CONTRACTORS TO VERIFY THAT THE CONDUIT RACEWAY IS INSTALLED IN THE MOST DIRECT ROUTE FROM THE OUTLET TO THE TERMINATION EQUIPMENT ROOM.
   6.26. ALL RACEWAYS PROVIDED FOR TECHNOLOGY SYSTEMS MUST BE REVIEWED AND APPROVED BY THE TECHNOLOGY CONTRACTOR PRIOR TO INSTALLATION.
   6.27. THE ELECTRICAL CONTRACTOR WILL BE LIABLE FOR ALL ADDED COSTS INCLUDING PREMIUM TIME ASSOCIATED WITH RE-WORKING OF A CONDUIT SYSTEM TO MAKE THE CABLING SYSTEM COMPLIANT WITH THESE SPECIFICATIONS.
7. **DESIGN DISCREPANCY CONFLICT RESOLUTION CRITERIA**
   7.1. IN THE EVENT OF ANY CONFLICT, DISCREPANCY, OR INCONSISTENCY BETWEEN THE TECHNOLOGY FLOOR PLANS & DETAILS, DRAWING SCHEDULES AND THE SPECIFICATIONS, THE TECHNOLOGY FLOOR PLANS & DETAILS SHALL GOVERN AND TAKE PRECEDENCE. WHERE ANY SUCH CONFLICT, DISCREPANCY, OR INCONSISTENCY RESULTS IN MULTIPLE POSSIBLE INTERPRETATIONS OR REQUIREMENTS OF DIFFERING COST, QUALITY, QUANTITY, OR STRINGENCY, THE CONTRACTOR MUST PROVIDE THE MORE STRINGENT, HIGHER QUALITY, GREATER QUANTITY, OR MORE COSTLY SOLUTION AS PART OF THEIR BASE BID SCOPE OF WORK.
   7.2. WHENEVER A DISCREPANCY AS DESCRIBED ABOVE IS IDENTIFIED, THE CONTRACTOR IS REQUIRED TO SUBMIT A REQUEST FOR INFORMATION (RFI) VIA THE PRE-ESTABLISHED CONSTRUCTION PROCEDURES REQUESTING A DEFINITIVE RESOLUTION OF THIS TYPE OF CONFLICT AND SHALL NOT PROCEED WITH THE PURCHASE OF EQUIPMENT OR INSTALLATION OF ANY RELATED WORK UNTIL A WRITTEN RFI RESPONSE HAS BEEN PUBLISHED.

SYMBOL LEGEND

SYMBOL	DESCRIPTION (LOCATIONS PER DRAWINGS)
XX	KEYED NOTE
#	REVISION TAG
	DUPLEX RECEPTACLE
	QUAD RECEPTACLE
	L6-30 208V - 30AMP POWER RECEPTACLE
	VERTICAL PLUG STRIP
	FLOOR CORE
	FLOOR CORE WITH FLEXIBLE CONNECTION
J	WALL MOUNTED JUNCTION BOX
J	WALL MOUNTED JUNCTION BOX WITH FLEXIBLE CONNECTION FOR POWER
	FLOOR CORE FURNITURE FEED
	WALL MOUNTED FURNITURE FEED
CPB	CONDUIT PULL BOX (SEE DETAILS)
	GROUNDING BUS BAR
	1-PORT DATA WALL PLATE (SEE DETAILS) W: WALL PHONE TC: TIME CLOCK
	2-PORT DATA WALL PLATE (UNO) (SEE DETAILS) #: CABLE/PORT QUANTITY
	2-PORT DATA FURNITURE PLATE (UNO) (SEE DETAILS) #: CABLE/PORT QUANTITY
EPMS BMS ACP	1-PORT BISCUIT BOX (UNO) (SEE DETAILS) EPMS: ELECTRICAL POWER MONITORING SYSTEM BMS: BUILDING MANAGEMENT SYSTEM ACP: ACCESS CONTROL PANEL
EPMS:# BMS:# UT	BISCUIT BOX (UNO) (SEE DETAILS) #: CABLE/PORT QTY EPMS: ELECTRICAL POWER MONITORING SYSTEM BMS: BUILDING MANAGEMENT SYSTEM UT: UNDER TABLE
PPER #	MER PATCH PANEL #: CABLE/PORT QUANTITY
AP	WIRELESS ACCESS POINT DEVICE
OAP	OUTDOOR WIRELESS ACCESS POINT
	CABLE TRAY
	RACK CABINET C#: CABINET NUMBER
	2-POST RACK R#: RACK NUMBER
TV	COMMUNICATIONS CABLING FOR DISPLAY (SEE DETAILS)
RS	ROOM SCHEDULING DEVICE WITH 1-PORT BISCUIT BOX (SEE DETAILS)
AV	WALL MOUNTED AV SYSTEM FACE PLATE (SEE DETAILS) #: TYPE
	VIDEO CONFERENCING CAMERA
	LARGE IN-WALL STORAGE BOX
	FLAT PANEL DISPLAY #: DISPLAY SIZE
FD	FLOOR DEVICE WITH AV/DATA/POWER (SEE DETAILS)
	FIXED TABLE TOP DEVICE (SEE DETAILS) AV: AUDIO VIDEO CONNECTIONS NAV: NON-AV CONNECTIONS
TP	SECURITY ENROLLMENT IPAD
M	TABLE TOP MICROPHONE
S	CEILING MOUNTED SPEAKER
	AUDIO VIDEO EQUIPMENT RACK LOCATION
ACP	ACCESS CONTROL PANEL
CR	CARD READER (SEE DETAILS)
BR	BIOMETRIC READER (SEE DETAILS)
LA	LOCAL ALARM (SEE DETAILS)
IC X	INTERCOM (SEE DETAILS) X: D-DOOR STATION A-AUDIO ONLY V-VIDEO+AUDIO
IC X	TABLE TOP INTERCOM (SEE DETAILS) X: M-MASTER STATION A-AUDIO ONLY V-VIDEO+AUDIO
DC	DOOR CONTACT
OH	OVERHEAD DOOR CONTACT
DR	DOOR RELEASE BUTTON
GB	CEILING MOUNTED GLASS BREAK
	USB CAMERA (VISITOR MANAGEMENT)
	FIXED POSITION CAMERA
180	180 DEGREE CAMERA
270	270 DEGREE CAMERA
360	360 DEGREE CAMERA
180 180	DUAL LENS CAMERA

ABBREVIATIONS

ACP	ACCESS CONTROL PANEL
AFF	ABOVE FINISHED FLOOR
AVC	AUDIO VISUAL CONTRACTOR
BNC	BAYONET NELL-CONCELMAN
BOH	BACK OF HOUSE
BSS H	BUILDING STANDARD SWITCH HEIGHT
BSRH	BUILDING STANDARD RECEPTACLE HEIGHT
CAT V	CABLE TELEVISION
CB	CIRCUIT BREAKER
CC	COMMUNICATION CONTRACTOR
CCT	CIRCUIT
CCT V	CLOSED CIRCUIT TELEVISION
CLG	CEILING
CPB	CUSTOM PULL BOX
DAS	DISTRIBUTED ANTENNA SYSTEM
DC	DOOR CONTACT
DED	DEDICATED
DSV	DAS SYSTEM VENDOR
EC	ELECTRICAL CONTRACTOR
EXT	EXTERIOR
FA	FIRE ALARM
FLR	FLOOR
FV	FURNITURE VENDOR
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPT
GND	GROUND
IDF	INTERMEDIATE DISTRIBUTION FRAME
IP	INTERNET PROTOCOL
ILO	IN LIEU OF
JB	JUNCTION BOX
KW	KILOWATT
LTG	LIGHTING
LVC	LOW VOLTAGE CONTROLLER
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MDF	MAIN DISTRIBUTION FRAME
MIN	MINIMUM
MM	MULLION MOUNT
MTD	MOUNTED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OAS	OVERALL SHIELD
OSP	OUTSIDE PLANT
PB	PULL BOX
PNL	PANEL
F&I	FURNISH AND INSTALL
PTZ	PAN-TILT-ZOOM
QTY	QUANTITY
RDU	REMOTE DISTRIBUTION UNIT
REX	REQUEST TO EXIT
RMC	RIGID METAL CONDUIT
RS	ROOM SHEDULER
RX	RECEIVER
SAT	SATELLITE TELEVISION
SC	SECURITY CONTRACTOR
TBD	TO BE DETERMINED
TGB	TELECOM GROUNDING BUS
TMGB	TELECOM MAIN GROUNDING BUS
TX	TRANSCEIVER
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VIF	VERIFY IN FIELD
WP	WEATHERPROOF
XFMR	TRANSFORMER

TECHNOLOGY DRAWING PACKAGE

DRAWING INDEX

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T02-01J	TECHNOLOGY- FLOOR PLAN - LEVEL 01 - AREA J		■
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T05-18	ENLARGED PLANS - IDF 2-144	■	■
T05-19	ENLARGED PLANS - IDF 2-151	■	■
T05-20	ENLARGED PLANS - MMR-A	■	■
T05-21	ENLARGED PLANS - MMR-B	■	■
T05-22	CORRIDOR ELEVATION	■	■
T05-23	ENLARGED PLANS - LOBBY SECURITY	■	■
T06-01	TECHNOLOGY CONNECTIVITY DIAGRAM		■
T06-02	TECHNOLOGY RISER DIAGRAM		■
T07-01	TECHNOLOGY DETAIL SHEET	■	■
T07-02	TECHNOLOGY DETAIL SHEET		■
T07-03	TECHNOLOGY DETAIL SHEET		■
T07-04	TECHNOLOGY DETAIL SHEET		■
T07-05	TECHNOLOGY DETAIL SHEET		■
T07-06	TECHNOLOGY DETAIL SHEET		■
T07-07	TECHNOLOGY DETAIL SHEET		■
T07-08	TECHNOLOGY DETAIL SHEET		■
T07-09	TECHNOLOGY DETAIL SHEET		■
T07-10	TECHNOLOGY DETAIL SHEET		■
T07-11	TECHNOLOGY DETAIL SHEET		■
T07-12	TECHNOLOGY DETAIL SHEET		■
T07-13	TECHNOLOGY DETAIL SHEET		■

TOTAL SHEETS: 97

BID NOTES

1. AS PART OF THE CONTRACTORS' PROPOSAL SUBMISSION, CONTRACTOR MUST INCLUDE THE FOLLOWING:
   A. PROPOSAL REQUIREMENTS:
      1. COMPLETED BID FORM WITH PRICING BREAK-OUTS AND QUANTITIES LISTED IN THE CELLS PROVIDED. THIS BID FORM MUST BE SUBMITED IN MICROSOFT EXCEL .XLSX FORMAT. PDF, WORD, OR OTHER EXCEL FORMATS WILL NOT BE ACCEPTABLE.
      2. WRITTEN PROPOSAL / STATEMENT OF WORK DOCUMENT.
      3. PROJECT PLAN CONFIRMING ADHERENCE TO PROJECT SCHEDULE AS DEFINED BY OWNER AND GENERAL CONTRACTOR.
      4. WRITTEN LETTER OF LEAD TIME GUARANTEE FOR ALL CONTRACTOR SELECTED EQUIPMENT.
      5. PROJECT REFERENCES, LIST PROJECTS OF SIMILAR SIZE AND AND SCOPE AND A CONTACT NAME, EMAIL ADDRESS AND PHONE NUMBER.
      6. COPIES OF THE FIRM'S SELECTED CABLING AND CONNECTIVITY SYSTEM 25-YEAR EXTENDED PRODUCT AND APPLICATION WARRANTY.
   B. SYSTEM QUALIFICATIONS:
      1. SUBMIT THE MAKE AND MODEL OF THE CABLING TEST EQUIPMENT TO BE USED.
      2. SUBMIT COPIES OF CURRENT CORPORATE BICSI MEMBERSHIP CERTIFICATE AND PROJECT MANAGER PERSONNEL BICSI RCDD CERTIFICATES.
      3. SUBMISSION TO INCLUDE BREAKDOWN FOR MATERIAL AND LABOT (BID FORM) FOR ALL WORK ASSOCIATED WITH THIS PROJECT. THIS MUST BE SUBMITTED AT THE TIME THE BID IS DUE. ANY BID RECIEVED NOT ADHERING TO THIS REQUEST WILL BE CONSIDERED UNACCEPTABLE.
2. LIMITED USE OF DRAWINGS AND SPECIFICATIONS:
   A. THESE DR