

NOTES:

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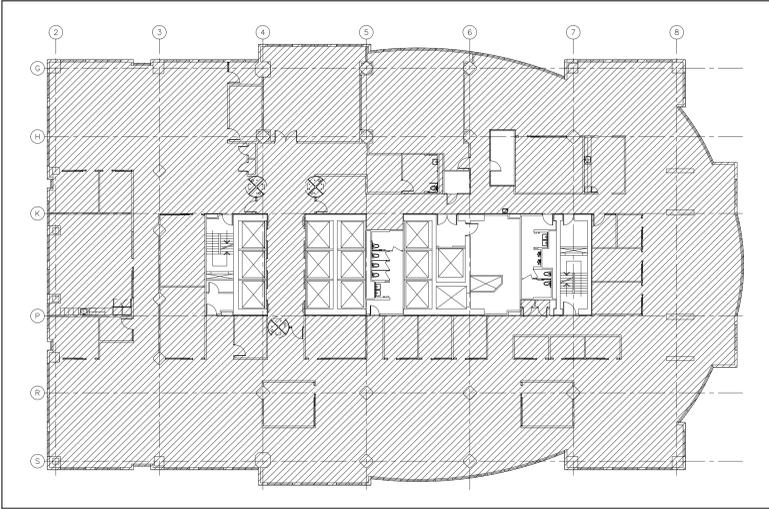


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CITY OF TORONTO Metro Hall Cyber Command Centre



KEY PLAN
AREA IN CONTRACT

55 JOHN STREET,
TORONTO, ONTARIO



| CONTENT | ISSUED FOR | DATE | FILE No. |
|---------------------|------------------|---------------|-----------------------------|
| ELECTRICAL DRAWINGS | RE-PERMIT/TENDER | JULY 31, 2024 | AE-24047-DRAW-E001-E006-R01 |

| | | |
|-----|------------------------------|------------|
| R01 | RE-ISSUED FOR PERMIT/TENDER | 2024-07-31 |
| R00 | ISSUED FOR PERMIT/TENDER | 2024-07-24 |
| RP5 | ISSUED FOR 95% CLIENT REVIEW | 2024-07-19 |
| RP4 | ISSUED FOR 66% CLIENT REVIEW | 2024-06-10 |
| RP2 | ISSUED FOR 50% CLIENT REVIEW | 2024-06-07 |
| NO | ISSUED | YY.MM.DD |

Client:
CITY OF TORONTO
CYBER COMMAND CENTRE
55 JOHN STREET
12TH FLOOR
TORONTO, ONTARIO
M5V 3C6

| DRAWING LIST | | | |
|----------------|--|----------------|-----------------|
| DRAWING NUMBER | DESCRIPTION | DRAWING SCALE: | PLOTTING SCALE: |
| E001 | KEYPLAN, DRAWING LIST | N.T.S. | 1'-0"=1'-0" |
| E002 | PROPOSED LIGHTING LAYOUT, LEGEND, NOTES, LUMINAIRE SCHEDULE | 1/8"=1'-0" | 1'-0"=1'-0" |
| E003 | PROPOSED POWER LAYOUT, LEGEND, NOTES, DETAILS | AS NOTED | 1'-0"=1'-0" |
| E004 | PANEL SCHEDULES, DOOR DETAILS | AS NOTED | 1'-0"=1'-0" |
| E005 | LIGHTING DEMOLITION LAYOUT, LEGEND, DEMOLITION SPECIFICATION | 1/8"=1'-0" | 1'-0"=1'-0" |
| E006 | POWER DEMOLITION LAYOUT, LEGEND | 1/8"=1'-0" | 1'-0"=1'-0" |

Drawing Title:
KEYPLAN, DRAWING LIST

Scale: N.T.S.
Proj. No: 24025
Date: ARP.22.2024
Designed By: S.M.
Checked By: S.S.
Code: 24025
Drawing No: **E001**
ARCH 1 - 30X42

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| SYMBOL | DESCRIPTION |
|--------|---|
| A | NEW LED LIGHTING FIXTURE 20"x60" TYPE 'A' |
| A-1 | NEW LED LIGHTING FIXTURE TYPE 'A' TO BE CONNECTED TO EMERGENCY CIRCUIT |
| A-1 | NEW BLADE SUSPENDED LIGHTING FIXTURE TYPE 'A-1' |
| A-2 | NEW LED LIGHTING FIXTURE 20"x48" TYPE 'A2' |
| B | NEW DOUBLE ADJUSTABLE GIMBAL RECESSED LED FIXTURE TYPE 'B' |
| C | NEW 4" LINEAR SUSPENDED PENDANT INDIRECT LIGHTING FIXTURE TYPE 'C' |
| L-1 | NEW 4" LINEAR SUSPENDED PENDANT LIGHTING FIXTURE TYPE 'L-1' |
| L-2 | NEW 5" LINEAR SUSPENDED PENDANT LIGHTING FIXTURE TYPE 'L-2' |
| L-3 | NEW RECESSED ADJUSTABLE LED GIMBAL FIXTURE TYPE 'L-3' |
| L-4 | NEW CORD SUSPENDED LIGHTING FIXTURE WITH EXPOSED BULB TYPE 'L-4' |
| L-5 | NEW SUSPENDED DRUM PENDANT LIGHT TYPE 'L-5' |
| L-6 | NEW SUSPENDED DRUM PENDANT LIGHT TYPE 'L-6' |
| L-7 | NEW UNDERCABINET LIGHT FIXTURE TYPE 'L-7' |
| S | NEW CUSTOM LINEAR SUSPENDED LIGHTING FIXTURE TYPE 'S' |
| F | NEW SUSPENDED LED TRACK LIGHT |
| W | WALL MOUNTED LIGHTING SWITCH (3 - DENOTES 3WAY) |
| D | WALL MOUNTED LIGHTING DIMMER SWITCH |
| M | WALL MOUNTED MOTION DETECTOR |
| MS | LINE VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR, 347V |
| PP-347 | SENSOR ZUMLINK DEVICE |
| PP | POWER PACK |
| KP | KEYPAD ZUMLINK DEVICE BTNG |
| LV | ZUMLINK/ZUMNET LOAD CONTROLLER |
| DM | SMART FILM CONTROLLER (THROUGH PHASE DIMMING) ZUMLINK-EXP-16A-10M |
| TSW | TOUCH SCREEN TSW-570-P SEQUENCE OF OPERATION |
| TSW | SMART FILM AT 100% TRANSPARENCY, TOUCH SCREEN TO CONTROL DIGITABLES ROOM AND SOC ROOM USING PRE-SET SCENES. |
| CE | CEILING MOUNTED ONE OR TWO FACE EXIT LIGHT |
| WE | WALL MOUNTED ONE OR TWO FACE EXIT LIGHT |
| RE | REMOTE EMERGENCY LIGHTING FIXTURE-DOUBLE HEAD C/W BATTERY CHARGER |
| FA | FIRE ALARM SPOKER STROBE COMBO |
| FS | FIRE ALARM SPOKER |
| FT | FIRE ALARM TELEPHONE |
| PS | FIRE ALARM PULL STATION |
| SL | FIRE ALARM STROBE LIGHT |

| ABBREVIATIONS | |
|---------------|--|
| E | EXISTING TO REMAIN |
| N | NEW |
| EM | EMERGENCY TO BE CONNECTED TO EMERGENCY CIRCUIT |
| SAV | SALVAGED FROM REMOVED ITEMS |

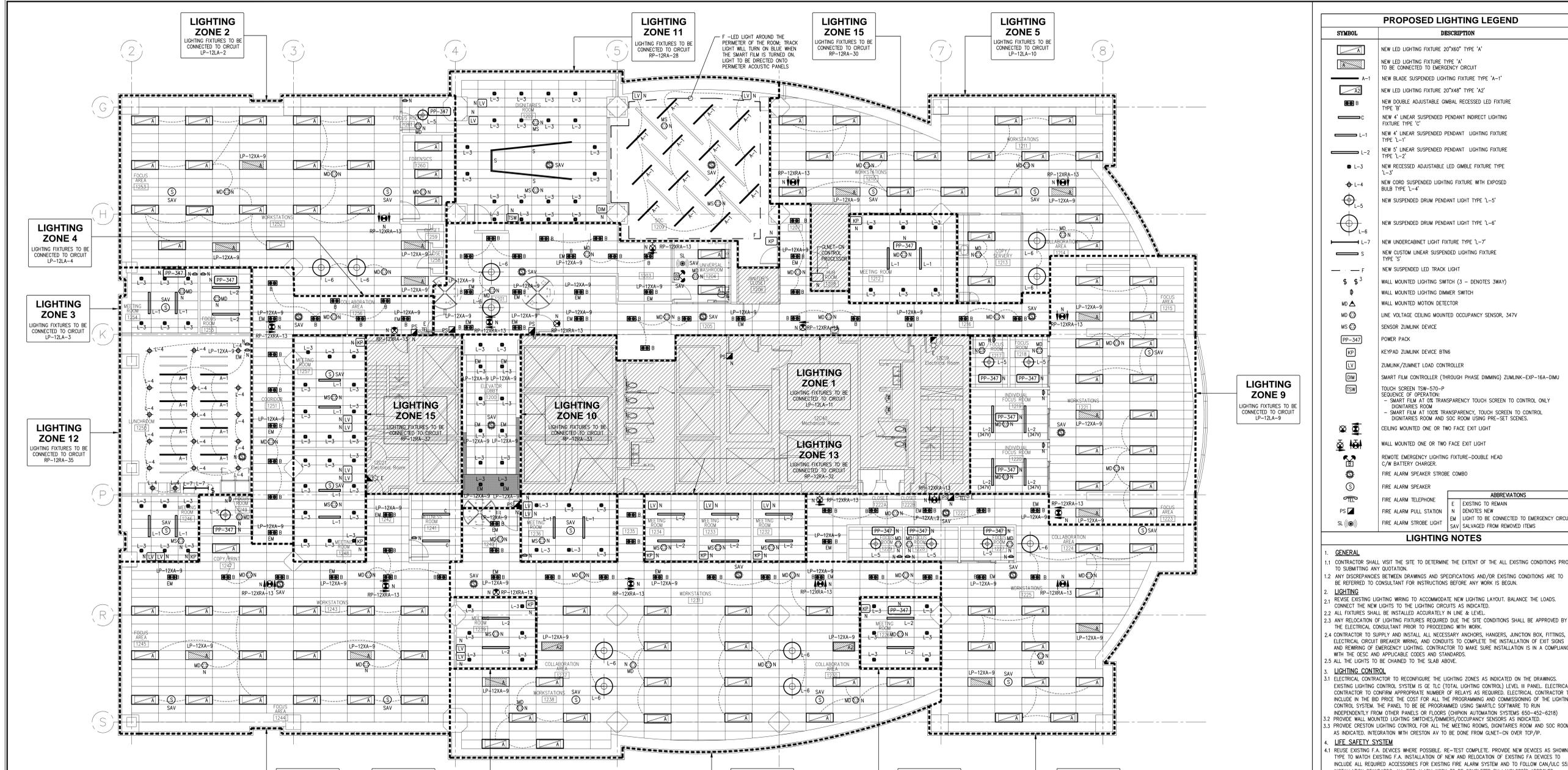
LIGHTING NOTES

- GENERAL
 - CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
 - ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
- LIGHTING
 - REVISE EXISTING LIGHTING WIRING TO ACCOMMODATE NEW LIGHTING LAYOUT. BALANCE THE LOADS.
 - NEW LIGHTING FIXTURES TO BE INSTALLED ACCURATELY IN LINE & LEVEL.
 - ANY RELOCATION OF LIGHTING FIXTURES REQUIRED DUE TO THE SITE CONDITIONS SHALL BE APPROVED BY THE ELECTRICAL CONSULTANT PRIOR TO PROCEEDING WITH WORK.
 - CONTRACTOR TO SUPPLY AND INSTALL ALL NECESSARY ANCHORS, HANGERS, JUNCTION BOX, FITTINGS, ELECTRICAL CIRCUIT BREAKER, WIRING, AND CONDUITS TO COMPLETE THE INSTALLATION OF EXIT SIGNS AND REWIRING OF EMERGENCY LIGHTING. CONTRACTOR TO MAKE SURE INSTALLATION IS IN COMPLIANCE WITH THE DESG AND APPLICABLE CODES AND STANDARDS.
 - ALL THE LIGHTS TO BE CHANGED TO THE SLAB ABOVE.
- LIGHTING CONTROL
 - ELECTRICAL CONTRACTOR TO RECONFIGURE THE LIGHTING ZONES AS INDICATED ON THE DRAWINGS. EXISTING LIGHTING CONTROL SYSTEM IS OR TLC (TOTAL LIGHTING CONTROL) LEVEL IN PANEL. ELECTRICAL CONTRACTOR TO CONTROL APPROPRIATE NUMBER OF RELAYS AS REQUIRED. ELECTRICAL CONTRACTOR TO INCLUDE IN THE BID PRICE THE COST FOR ALL THE PROGRAMMING AND COMMISSIONING OF THE LIGHTING CONTROL SYSTEM. THE PANEL TO BE PROGRAMMED USING SMARTLC SOFTWARE TO RUN INDEPENDENTLY FROM OTHER PANELS OR FLOORS (CHECKER ALLOCATION SYSTEMS 650-452-8218)
 - PROVIDE WALL MOUNTED LIGHTING SWITCHES/DIMMERS/OCCUPANCY SENSORS AS INDICATED.
 - PROVIDE CRESTON LIGHTING CONTROL FOR ALL THE MEETING ROOMS, DIGITABLES ROOM AND SOC ROOM AS INDICATED. INTEGRATION WITH CRESTON AV TO BE DONE FROM GLINT-ON OVER TOP/P.
- LEAF SAFETY SYSTEM
 - REUSE EXISTING F.A. DEVICES WHERE POSSIBLE. RE-TEST COMPLETE. PROVIDE NEW DEVICES AS SHOWN, TYPE TO MATCH EXISTING F.A. INSTALLATION OF NEW AND RELOCATION OF EXISTING FA DEVICES TO INCLUDE ALL REQUIRED ACCESSORIES FOR EXISTING FIRE ALARM SYSTEM AND TO FOLLOW CAN/ULC 5524 INSTALLATION STANDARDS. ALL FIRE ALARM WORK TO BE COMPLETED BY LANDOR'S APPROVED CONTRACTOR.
 - AFTER COMPLETION OF WORK THE FIRE ALARM SYSTEM MUST BE TESTED AND VERIFIED AS PER STANDARD CAN/ULC 5537.
 - SUPPLY AND INSTALL, NEW EXIT LIGHTS, LED PICTORAM TYPE (GREEN RUNNING MAN) CONNECT NEW EXIT SIGNS TO EXISTING EXIT LIGHT SIGN CIRCUIT WITHIN THE AREA. LABEL CANT NUMBER OF EMERGENCY FEEDERS ON EXIT SIGNS.
 - CHANGE THE NEW LIGHTS TO EMERGENCY POWER CIRCUITS AS INDICATED ON THE DRAWING.

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Drawing Title:
PROPOSED LIGHTING LAYOUT, LEGEND, NOTES, LUMINAIRE SCHEDULE

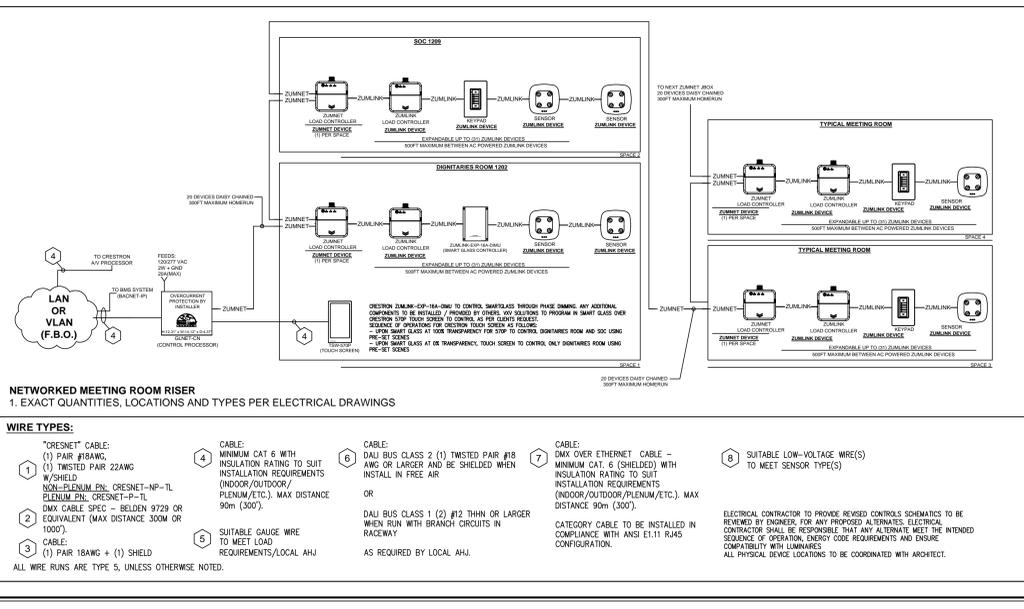
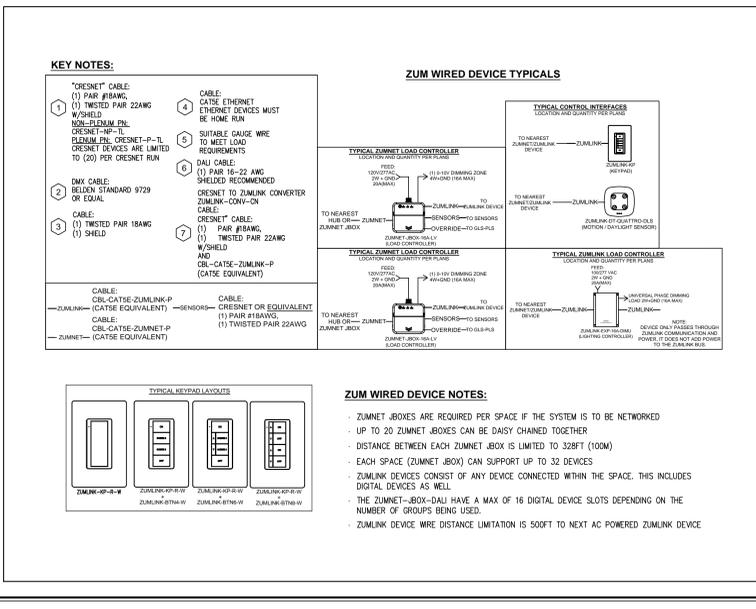
Scale: 1/8"=1'-0"
Proj. No: 24025
Date: ARP.22.2024
Designed by: S.M.
Checked by: S.S.
Code: 24025
Drawing No: **E002**



PROPOSED LIGHTING LAYOUT

E002 SCALE: 1/8"=1'-0"

| LUMINAIRE SCHEDULE | | | | | | |
|--------------------|--------------------|----------|-------|--|--|--------------|
| TYPE | LAMP | TYPE | LUMEN | VOLTAGE | DESCRIPTION | MANUFACTURER |
| A | 35W LED | 4224 | 347V | 20"x60" RECESSED BASKET T-BAR CEILING, OPAL LINEAR LENS DIFFUSER, STANDARD WHITE ENAMEL PAINT, POWDER COAT FINISH. 3500K, DIMMABLE. | TRIUMPH LIGHTING CAT# LTTI-S-26-3500-3500-347 OR APPROVED EQUAL. | |
| A-1 | 35W LED | 3750 | 120V | 5" LED LARGE BLADE LUMINAIRE, SQUARE TOP CORNERS, OFF WHITE, 3500K, UNIVERSAL 110 - 277V / 0 - 10V DIMMING. | RAIL E20 BOARD OR APPROVED EQUAL. | |
| A2 | 30W LED | 3000 | 347V | 20"x48" RECESSED BASKET T-BAR CEILING, OPAL LINEAR LENS DIFFUSER, STANDARD WHITE ENAMEL PAINT, POWDER COAT FINISH. 3500K, DIMMABLE. | TRIUMPH LIGHTING CAT# LTTI-S-241-3500-3500-347 OR APPROVED EQUAL. | |
| B | 2x23W LED | 2921 | 347V | DOUBLE SQUARE ADJUSTABLE GIMBAL RECESSED LED LUMINAIRE WITH ANODIZED ALUMINUM REFLECTOR, 0-10V DIMMING DRIVER, 40° BEAM ANGLE AND WHITE TRIM FINISH. 3500K. | STANPRO CAT# RLR-2L-S2-80-H-WWW-35K-F OR APPROVED EQUAL. | |
| C | 21W LED | 2800 | 347V | 4" LED SUSPENDED INDIRECT LUMINAIRE, DIFFUSE FLUSH LENS AND WHITE FINISH. 3500K, DIMMABLE. | ADVANTAGE LIGHTING CAT# L10K-U-4L-S3-A-35KW OR APPROVED EQUAL. | |
| L-1 | 28 W LED | 2568 | 120V | 4" LED SUSPENDED DIRECT LUMINAIRE, DIFFUSE FLUSH LENS AND WHITE FINISH. 3500K, DIMMABLE. | STANPRO CAT# L10K-U-5L-S3-A-35KW OR APPROVED EQUAL. | |
| L-2 | 35W LED | 3200 | 120V | 5" LED SUSPENDED DIRECT LUMINAIRE, DIFFUSE FLUSH LENS AND WHITE FINISH. 3500K, DIMMABLE. | STANPRO CAT# L10K-U-5L-S3-A-35KW OR APPROVED EQUAL. | |
| L-2 (347V) | 35W LED | 3200 | 347V | 5" LED SUSPENDED DIRECT LUMINAIRE, DIFFUSE FLUSH LENS AND WHITE FINISH. 3500K, DIMMABLE. | STANPRO CAT# L10K-U-5L-S3-H-35KW OR APPROVED EQUAL. | |
| L-3 | 33W LED | 2921 | 120V | SINGLE SQUARE ADJUSTABLE GIMBAL RECESSED LED LUMINAIRE WITH ANODIZED ALUMINUM REFLECTOR, 0-10V DIMMING DRIVER, 40° BEAM ANGLE AND WHITE TRIM FINISH. 3500K. | STANPRO CAT# RLR-1L-S2-80-H-WWW-35K-F OR APPROVED EQUAL. | |
| L-4 | 8W LED | 900 | 120V | CORD-SUSPENDED LED FIXTURE WITH EXPOSED BULB, CLEAR OPTICAL GLASS. 3000K, DIMMABLE. APPROX. 7", BLACK W/OBRANGE CORD. | TECH LIGHTING ALVA SERIES OR APPROVED EQUAL. | |
| L-5 | 24W LED | 2700 | 120V | LARGE SUSPENDED LED FIXTURE WITH APPROX. 22" ROUND DRUM SHADE AND FROSTED DIFFUSER. 3500K, DIMMABLE, 3 BULB SOCKETS. PROVIDE A 347V/200V STEP DOWN TRANSFORMER. | ARTEMIDE ARCHITECTURAL TAGORA SERIES OR APPROVED EQUAL. | |
| L-6 | 24W LED | 2700 | 120V | MEDIUM SUSPENDED LED FIXTURE WITH APPROX. 38" ROUND DRUM SHADE AND FROSTED DIFFUSER. 3500K, DIMMABLE, 6 BULB SOCKETS. PROVIDE A 347V/200V STEP DOWN TRANSFORMER. | ARTEMIDE ARCHITECTURAL TAGORA SERIES OR APPROVED EQUAL. | |
| L-7 | 6-12W LED | 900 | 120V | UNDER CABINET LED STRIP LUMINAIRE TO BE SIZED TO SUIT LENGTH OF MILLWORK. REMOTE DRIVERS AND OPAL SQUARE COVER C/W ALL ACCESSORIES. | STANPRO CAT# LMS/24N/120V/12W/S2L/FR/WH/STD OR APPROVED EQUAL. | |
| S | 7W LED/FT | 212LM/FT | 120V | CUSTOM LIGHT LINEAR SUSPENDED - SHAPE AND LENGTH AS INDICATED IN THE LAYOUT. INCLUDE FOR ANGLE CONNECTORS, END CAPS. | STANPRO 2PCS - 15FT # L10K-U-15-L-54-90-W-35K-W-W-W-DIM1 (PC = 4FT # L10K-U-15-L-54-90-W-35K-W-W-W-DIM2 OR APPROVED EQUAL). | |
| F | 4.4 W, 24 V - IP22 | - | 120V | PRE-ASSEMBLED CUSTOM SOLUTION LOW VOLTAGE LED TAPE AND EXTRUSION RGB LIGHT AROUND THE PERIMETER OF THE ROOM - INCLUDE FOR BLACK HOUSING EXTRUSION, LED STRIP TAPE, LENS, AND BRACKETS. LENGTH AS INDICATED ON THE LAYOUT (APPROX.120FT). | STANPRO 66636-14PE/32/24/4/W/RGB/24 V/IP22/40/1MM/STD C/W TRANSFORMER AND ACCESSORIES (CONTRACTOR TO PROVIDE LENGTH TO SUITE) C/W 66640-14PE/RGB/CONTROLLER-REMOTE/12V-24/STD C/W SERIES 200 BLACK (7011) SUSPENDED (65912) EXTRUSIONS OR APPROVED EQUAL. | |



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- POWER/DATA/VOICE NOTES**
- GENERAL NOTES**
 - THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL DRAWINGS CAREFULLY TO DETERMINE THE EXTENT OF THE WORK IN THE EXISTING BUILDING. EXAMINE THE SITE AND DETERMINE AND INCLUDE IN THE TOTAL PRICE OF THE TOTAL COST OF LABOUR AND MATERIAL FOR ALL ITEMS AS SPECIFIED OR INDICATED ON THE DRAWINGS.
 - NO ALLOWANCE WILL BE MADE FOR OBVIOUS CONSIDERATIONS WHICH MAY HAVE BEEN OVERLOOKED.
 - THE WHOLE OF THE WORK SHALL BE CARRIED OUT AND PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE LANDLORD. ANY UNSATISFACTORY WORK SHALL BE REPLACED BY THIS DIVISION WITHOUT EXTRA COST TO THE OWNER.
 - IN CASE EXTRA WORK OF ANY KIND IS REQUIRED, OBTAIN WRITTEN INSTRUCTIONS FROM THE CONSULTANT BEFORE PROCEEDING. PAYMENTS WILL BE MADE AT A FAIR AND REASONABLE RATE ONLY FOR AUTHORIZED EXTRAS. IN THE CASE OF OMISSIONS, THE SAME PROCEDURE SHALL APPLY AND A DECREASE MADE.
 - WRING, CONDUIT AND EQUIPMENT REQUIRED TO MAINTAIN SERVICE IN OTHER PARTS OF THE BUILDING SHALL BE TEMPORARILY SUPPORTED, REROUTED, SERVICED OR RELOCATED AS REQUIRED. OBSOLETE CONDUITS AND CABLES SHALL BE DISCONNECTED FROM THEIR SOURCE OF SUPPLY, CUT BACK AS FAR AS POSSIBLE, AND SHALL BE REMOVED.
 - WORK PERFORMED SHALL BE IN CONFORMITY WITH ALL LAWS, BYLAWS, OR REGULATIONS OF THE MUNICIPAL, PROVINCIAL, OR OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK. THESE DRAWINGS SHALL BE CONSTRUED AS TO BE IN CONFLICT WITH ANY SUCH LAWS.
 - THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO THE EXISTING SERVICES. THE EXISTING BUILDING MUST BE KEPT IN OPERATION AT ALL TIMES. ARRANGE WORK IN SUCH A MANNER THAT INTERRUPTIONS IN SERVICES OCCUR ONLY AT SCHEDULED TIMES. UNAVOIDABLE INTERRUPTION SHALL BE SCHEDULED WITH THE LANDLORD AT LEAST 48 HOURS IN ADVANCE. OVERTIME WORK THAT MAY BE REQUIRED TO BE COMPLETED AT NIGHT OR ON WEEKENDS SHALL BE INCLUDED IN THE TENDER AMOUNT.
 - CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED. NO WORK WHICH IS CONDITIONAL ON SUCH PERMITS SHALL BE UNDERTAKEN UNTIL ALL CONDITIONS ARE MET.
 - ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO THE CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
 - CONTRACTOR SHALL ENSURE THAT AREAS NOT INCLUDED IN THIS CONTRACT ARE ADEQUATELY PROTECTED FROM DUST, DEBRIS, OR ANY OTHER DAMAGE RESULTING FROM WORK PERFORMED, AND THAT ANY CLEANING OR REPAIR REQUIRED IS PERFORMED WITHOUT COST TO THE OWNER.
 - CONTRACTOR SHALL ENSURE THAT ALL REFUSE IS REMOVED ON A DAILY BASIS AND THAT JOB SITE IS MAINTAINED IN AN ORDERLY AND SAFE CONDITION.
 - CONTRACTOR SHALL COORDINATE ACCESS TO SITE AND DELIVERY AND REMOVAL OF GOODS WITH LANDLORD.
 - ALL WORK SHALL BE SCHEDULED AND COORDINATED TO AVOID ANY CONFLICTS WITH OTHER TRADES DURING OR AFTER CONSTRUCTION.
 - PROVIDE TEMPORARY ELECTRICAL POWER FOR THE WORK OF THIS TRADE AND OTHER TRADES AS REQUIRED BY GENERAL CONTRACTOR OR OWNER.
 - POWER/DATA**
 - VERIFY EXACT POWER REQUIREMENTS OF MECHANICAL EQUIPMENT BEFORE ROUGHING. REFER TO MECHANICAL SHOP DRAWINGS FOR MANUFACTURERS ELECTRICAL DATA AND INSTALLATION REQUIREMENTS. ADVISE CONSULTANT OF ANY DISCREPANCIES.
 - VERIFY ON SITE FOR EXISTING MECHANICAL EQUIPMENT WIRING AND PROTECTION CONDUIT. PROVIDE NEW WIRING AND FUSES/CBS FOR NEW EQUIPMENT.
 - PROVIDE SEPARATE NEUTRAL WIRE FOR EACH DEDICATED CIRCUIT.
 - NEW PRENING SOURCE TRANSFER, STAGGER OUTLETS AN EITHER SIDE OF A PARTITION, DO NOT LOCATE BACK TO BACK.
 - ALL NEW EQUIPMENT TO BE LABELED, INCLUDING THE RECEPTABLES ON THE FLOOR. ENSURE THAT ALL PANEL, DISCONNECTS USED BY THIS TENANT ARE TYPEWRITTEN AND INDICATE THE LATEST RENOVATIONS. THE CONTRACTOR SHALL NOT PROVIDE THE WORDS "EXISTING" FOR ANY CIRCUITS REMAINING AS IS. ALL CIRCUITS TO BE IDENTIFIED BY THIS TENANT. SHOULD AN EXISTING PANEL NOT BE LABELED, THE TENANT'S CONTRACTOR SHALL PROVIDE SUCH INDICATING THE PANEL NAME, VOLTAGE, PHASE, CURRENT RATING AND TYPED FROM INFORMATION. CONTRACTOR TO MARK AS SPARE ALL CIRCUIT BREAKERS WHICH STAYED TO BE AVAILABLE AFTER THE DEMOLITION OF EXISTING RECEPTABLES CIRCUITS. SUBMIT THE LIST WITH SPARE CIRCUITS TO THE CONSULTANT.
 - ENSURE THAT ALL OUTLETS ARE ACTIVE UPON COMPLETION OF THE PROJECT.
 - ALL NEW OUTLETS TO BE INSTALLED AT HEIGHT AS PER INTERIOR DESIGNER'S DRAWING AND AV CONTRACTOR'S RECOMMENDATION, INCLUDING ORIENTATION OF THE OUTLETS. OUTLETS TO BE GANGED WHEREVER POSSIBLE WITH A MINIMUM SPACING BETWEEN COVERS/PLATES.
 - ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE ANY WORK IS BEGUN.
 - SUPPLY AND INSTALL ALL REQUIRED CIRCUIT BREAKERS AS PER PANEL SCHEDULE AS INDICATED.
 - SUPPLY AND INSTALL ALL NECESSARY ANCHORS, HANGERS, JUNCTION BOX AND FITTINGS TO COMPLETE THIS WORK. ALLOW FOR CEILING TILE REMOVAL TO ALLOW COMPLETION OF THE NEW INSTALLATION.
 - ELECTRICAL TRADE IS TO ENSURE THAT ELECTRICAL CONNECTIONS FOR OFFICES AND ANY EQUIPMENT MEET ALL EQUIPMENT SPECIFICATIONS.
 - THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAKING GOOD ANY SURFACES OR FINISHES DAMAGED AS A RESULT OF ALTERATIONS.
 - PROVIDE NEW CARD READERS, DURESS BUTTONS AS INDICATED ON THE PLAN. CONTRACTOR TO CONNECT NEW AND EXISTING DEVICES TO NEW ISTAR SECURITY CONTROL ACCESS PANEL LOCATED ON THE 12TH FLOOR LAN ROOM. THE SECURITY CONTRACTOR MANUFACTURE TO SIZE THE NEW OUP SECURITY CONTROL PANELS AND THE POWER SUPPLIES IN ORDER TO ACCOMMODATE ALL THE DOORS/SECURITY DEVICES INDICATED IN THE PROPOSED RISER DIAGRAM LAYOUTS. PROVIDE ADDITIONAL SPARE CAPACITY IN SECURITY CONTROL PANELS FOR FUTURE TIE-INS OF THE CARD READERS. CONNECT THE NEW ISTAR SECURITY CONTROL ACCESS PANEL TO THE CLOSEST SWITCH - PROVIDE NEW CAT6 CABLE IN CONDUIT. FOR PENDING PURPOSE, CONSIDER THE DISTANCE TO THE SWITCH ROOM. THE SECURITY CONTRACTOR MUST BE COUSE ROOM CERTIFIED.
 - CONTRACTOR TO PROVIDE ELECTRICAL CONNECTIONS INCLUDING CONDUIT AND WIRING FOR POWER TO, AND CONTROL OF, REVOLVING DOOR ENTRANCES. COORDINATE THE WORK/LAYOUT AND INSTALLATION OF SECURITY REVOLVING DOOR ASSEMBLIES AND SECURITY ACCESS CONTROL SYSTEM UPGRADES WITH THE MANUFACTURER AND SECURITY CONTRACTOR. INTEGRATE SECURITY REVOLVING DOORS WITH EXISTING SECURITY SYSTEM AS REQUIRED FOR A COMPLETE WORKING INSTALLATION. PROVIDE ELECTRICAL INTERFACE CONTROL CAPABILITY FOR ACTIVATION OF SECURITY REVOLVING DOOR ENTRANCES BY SECURITY ACCESS SYSTEM. SECURITY CONTRACTOR TO SUPPLY AND INSTALL CARD READERS/KEY PADS AS INDICATED IN THE PROPOSED LAYOUTS. THE CARD READERS/KEY PADS SHALL BE MOUNTED IN ACCORDANCE WITH DOOR MANUFACTURER'S RECOMMENDATIONS ADJACENT TO THE ENTRANCE OF THE REVOLVING DOOR. THE DOOR SHALL INCLUDE A VISUAL CARD VALIDATION LIGHT DEVICE. THE ELECTRICAL CONTRACTOR SHALL INCLUDE TO SUPPLY AND INSTALL ALL EMPTY CONDUITS, ALL JUNCTION BOXES AND ROUGH INS APPROXIMATE FOR ALL NEW SECURITY EQUIPMENT AND CABLEING. ELECTRICAL CONTRACTOR TO PROVIDE A MINIMUM 20A, 120V DEDICATED POWER CIRCUIT TO THE REVOLVING DOOR CONTROLLER. THE CONTROLLER SHALL BE PROGRAMMED TO MEET OWNER'S OPERATIONAL REQUIREMENTS.
 - SUPPLY AND INSTALL CONNECTOR SYSTEM AS FOLLOWS:
ROOM 1235, 1240 - CT.01-02-0M-10 X 1, CT.01-02-0M-15 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, CT.01-V1-10 X 1, CT.01-W1-10 X 1, CT.01-X1-10 X 1, CT.01-Y1-10 X 1, CT.01-Z1-10 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, CT.01-V1-10 X 1, CT.01-W1-10 X 1, CT.01-X1-10 X 1, CT.01-Y1-10 X 1, CT.01-Z1-10 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, CT.01-V1-10 X 1, CT.01-W1-10 X 1, CT.01-X1-10 X 1, CT.01-Y1-10 X 1, CT.01-Z1-10 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, 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CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, CT.01-V1-10 X 1, CT.01-W1-10 X 1, CT.01-X1-10 X 1, CT.01-Y1-10 X 1, CT.01-Z1-10 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, CT.01-V1-10 X 1, CT.01-W1-10 X 1, CT.01-X1-10 X 1, CT.01-Y1-10 X 1, CT.01-Z1-10 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, CT.01-V1-10 X 1, CT.01-W1-10 X 1, CT.01-X1-10 X 1, CT.01-Y1-10 X 1, CT.01-Z1-10 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, CT.01-V1-10 X 1, CT.01-W1-10 X 1, CT.01-X1-10 X 1, CT.01-Y1-10 X 1, CT.01-Z1-10 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, CT.01-V1-10 X 1, CT.01-W1-10 X 1, CT.01-X1-10 X 1, CT.01-Y1-10 X 1, CT.01-Z1-10 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10 X 1, CT.01-O1-10 X 1, CT.01-P1-10 X 1, CT.01-Q1-10 X 1, CT.01-R1-10 X 1, CT.01-S1-10 X 1, CT.01-T1-10 X 1, CT.01-U1-10 X 1, CT.01-V1-10 X 1, CT.01-W1-10 X 1, CT.01-X1-10 X 1, CT.01-Y1-10 X 1, CT.01-Z1-10 X 1, CT.02-FM-ER1 X 1, CT.02-FM-SRS-10 X 1, CT.02-FM-SRS-15 X 1, CT.01-A1-15-4C X 1, CT.01-B1-10 X 1, CT.01-C1-10 X 1, CT.01-D1-10 X 1, CT.01-E1-10 X 1, CT.01-F1-10 X 1, CT.01-G1-10 X 1, CT.01-H1-10 X 1, CT.01-I1-10 X 1, CT.01-J1-10 X 1, CT.01-K1-10 X 1, CT.01-L1-10 X 1, CT.01-M1-10 X 1, CT.01-N1-10

| EXISTING PANEL 'LP12LA' | | MANS. MOUNTING: | | 225 AMPS SURFACE | | LOCATION: | |
|--------------------------------|--------|-----------------|----------|------------------|---------|--------------------|----------------------------------|
| 347/800V, 3ø, 4W (SIEMENS COP) | | LOAD kW | BKR SIZE | CIRCUITS | LOAD kW | BKR SIZE | 12TH FLOOR ELECTRICAL ROOM 12C21 |
| LIGHTING | 20A 1 | 2 | 20A | 2 | 20A | LIGHTING | |
| LIGHTING | 20A 3 | 4 | 20A | 4 | 20A | LIGHTING | |
| LIGHTING | 20A 5 | 6 | 20A | 6 | 20A | LIGHTING | |
| LIGHTING | 20A 7 | 8 | 20A | 8 | 20A | LIGHTING | |
| LIGHTING | 20A 9 | 10 | 20A | 10 | 20A | LIGHTING | |
| LIGHTING | 20A 11 | 12 | 20A | 12 | 20A | LIGHTING | |
| LIGHTING | 20A 13 | 14 | 20A | 14 | 20A | LIGHTING | |
| | - 15 | 16 | - | - | - | | |
| | - 17 | 18 | - | - | - | | |
| | - 19 | 20 | - | - | - | | |
| | - 21 | 22 | - | - | - | | |
| | - 23 | 24 | 20A | 20A | 20A | EXISTING LOAD | |
| | - 25 | 26 | 60A | | | TRANSFORMER DT-12A | |
| | - 27 | 28 | | | | | |
| | - 28 | 28 | | | | | |
| | - 29 | 30 | 3P | | | | |
| TOTAL | | | | | | TOTAL | |

| EXISTING PANEL 'RP12RB' | | MANS. MOUNTING: | | 225 AMPS SURFACE | | LOCATION: | |
|---------------------------------|--------|-----------------|----------|------------------|---------|--------------------|----------------------------------|
| 120/208V, 3ø, 4W (ITE NLAB442L) | | LOAD kW | BKR SIZE | CIRCUITS | LOAD kW | BKR SIZE | 12TH FLOOR ELECTRICAL ROOM 12C19 |
| EXISTING LOAD | 15A 1 | 1 | 15A | 1 | 15A | RECEP. AREA 1221 | |
| RECEP. 1217, 1218 | 15A 2 | 3 | 15A | 3 | 15A | RECEP. AREA 1221 | |
| RECEP. 1217, 1218 | 15A 4 | 5 | 15A | 5 | 15A | RECEP. AREA 1221 | |
| RECEP. 1219, 1220 | 15A 7 | 8 | 15A | 8 | 15A | RECEP. AREA 1221 | |
| RECEP. 1219, 1220 | 15A 9 | 10 | 15A | 10 | 15A | RECEP. AREA 1221 | |
| RECEP. 1219, 1220 | 15A 11 | 12 | 15A | 12 | 15A | RECEP. AREA 1225 | |
| RECEP. 1227, 1228 | 15A 13 | 14 | 15A | 14 | 15A | RECEP. AREA 1225 | |
| RECEP. 1227, 1228 | 15A 15 | 16 | 15A | 16 | 15A | RECEP. AREA 1225 | |
| RECEP. 1226, 1229 | 15A 17 | 18 | 15A | 18 | 15A | RECEP. AREA 1225 | |
| RECEP. 1226, 1229 | 15A 19 | 20 | 15A | 20 | 15A | RECEP. AREA 1225 | |
| EXISTING LOADS/SPARES | 15A 21 | 22 | 15A | | | CONVENIENCE RECEP. | |
| | 15A 23 | 24 | 15A | | | | |
| | 15A 25 | 26 | 15A | | | | |
| | 15A 27 | 28 | 15A | | | | |
| | 15A 29 | 30 | 15A | | | | |
| | 15A 31 | 32 | 15A | | | | |
| | 15A 33 | 34 | 15A | | | | |
| | 15A 35 | 36 | 15A | | | | |
| | 15A 37 | 38 | 15A | | | | |
| | 15A 39 | 40 | 15A | | | | |
| | 15A 41 | 42 | 15A | | | | |
| TOTAL | | | | | | TOTAL | |

| EXISTING PANEL 'RP12RD' | | MANS. MOUNTING: | | 225 AMPS SURFACE | | LOCATION: | |
|--|---------|-----------------|----------|------------------|---------|------------------------------|--------------------------|
| 120/208V, 3ø, 4W (SIEMENS NLAB442252A) | | LOAD kW | BKR SIZE | CIRCUITS | LOAD kW | BKR SIZE | 12TH FLOOR HUB ROOM 1208 |
| SUB PANEL R012R01 | 100A 1 | 1 | 100A | 1 | 100A | RECEP. 1214 | |
| | 100A 3 | 4 | 100A | 4 | 100A | RECEP. 1212 | |
| | 100A 5 | 6 | 100A | 6 | 100A | SECURITY CONTROL PANEL | |
| | 100A 7 | 8 | 100A | 8 | 100A | SECURITY CONTROL PANEL | |
| | 100A 9 | 10 | 100A | 10 | 100A | SOUND MASKING SYSTEM | |
| | 100A 11 | 12 | 100A | 12 | 100A | SOUND MASKING SYSTEM | |
| | 100A 13 | 14 | 100A | 14 | 100A | CONVENIENCE RECEP. | |
| | 100A 15 | 16 | 100A | 16 | 100A | COPPER AREA 1213 | |
| | 100A 17 | 18 | 100A | 18 | 100A | COUNTER RECEP. 1213 | |
| | 100A 19 | 20 | 100A | 20 | 100A | COUNTER RECEP. 1213 | |
| | 100A 21 | 22 | 100A | 22 | 100A | RECEP. ROOM 1212 | |
| | 100A 23 | 24 | 100A | 24 | 100A | RECEP. ROOM 1212 | |
| | 100A 25 | 26 | 100A | 26 | 100A | DOOR OPERATOR ROOM 1202 | |
| | 100A 27 | 28 | 100A | 28 | 100A | DOOR OPERATOR AREA 1201 | |
| | 100A 29 | 30 | 100A | 30 | 100A | CONVENIENCE RECEP. 1202/1201 | |
| | 100A 31 | 32 | 100A | 32 | 100A | | |
| | 100A 33 | 34 | 100A | 34 | 100A | | |
| | 100A 35 | 36 | 100A | 36 | 100A | | |
| | 100A 37 | 38 | 100A | 38 | 100A | | |
| | 100A 39 | 40 | 100A | 40 | 100A | | |
| | 100A 41 | 42 | 100A | 42 | 100A | | |
| TOTAL | | | | | | TOTAL | |

| EXISTING PANEL 'RP12RE' | | MANS. MOUNTING: | | 225 AMPS SURFACE | | LOCATION: | |
|-------------------------------------|--------|-----------------|----------|------------------|---------|--------------------|----------------------------------|
| 120/208V, 3ø, 4W (SIEMENS NLAB442A) | | LOAD kW | BKR SIZE | CIRCUITS | LOAD kW | BKR SIZE | 12TH FLOOR ELECTRICAL ROOM 12C21 |
| RECEP. AREA 1253 | 15A 1 | 1 | 15A | 1 | 15A | FRIDGE 1250 | |
| RECEP. AREA 1253 | 15A 3 | 4 | 15A | 4 | 15A | FRIDGE 1250 | |
| RECEP. AREA 1253 | 15A 5 | 6 | 15A | 6 | 15A | GFI RECEP. 1250 | |
| RECEP. AREA 1252 | 15A 7 | 8 | 15A | 8 | 15A | GFI RECEP. 1250 | |
| RECEP. AREA 1252 | 15A 9 | 10 | 15A | 10 | 15A | DISHWASHER 1250 | |
| RECEP. ROOMS 1260, 1261, 1254, 1255 | 15A 11 | 12 | 15A | 12 | 15A | RECEP. 1250 | |
| RECEP. ROOMS 1260, 1261, 1254, 1255 | 15A 13 | 14 | 15A | 14 | 15A | RECEP. 1257, 1248 | |
| RECEP. 1246, 1249 | 15A 15 | 16 | 15A | 16 | 15A | RECEP. 1257, 1248 | |
| RECEP. 1246, 1249 | 15A 17 | 18 | 15A | 18 | 15A | CONVENIENCE RECEP. | |
| RECEP. AREA 1245 | 15A 19 | 20 | 15A | 20 | 15A | COPPER AREA 1247 | |
| RECEP. AREA 1245 | 15A 21 | 22 | 15A | 22 | 15A | ELECTRONIC FAUCET | |
| RECEP. AREA 1245 | 15A 23 | 24 | 15A | 24 | 15A | MICROWAVE | |
| RECEP. AREA 1243 | 15A 25 | 26 | 15A | 26 | 15A | | |
| RECEP. AREA 1243 | 15A 27 | 28 | 15A | 28 | 15A | | |
| RECEP. AREA 1243 | 15A 29 | 30 | 15A | 30 | 15A | | |
| RECEP. AREA 1243 | 15A 31 | 32 | 15A | 32 | 15A | | |
| | 15A 33 | 34 | 15A | 34 | 15A | | |
| | 15A 35 | 36 | 15A | 36 | 15A | | |
| | 15A 37 | 38 | 20A | 38 | 20A | | |
| | 15A 39 | 40 | | 40 | | | |
| | 15A 41 | 42 | 3P | | 3P | SURGE SUPPRESSOR | |
| TOTAL | | | | | | TOTAL | |

| EXISTING PANEL 'RP12RF' | | MANS. MOUNTING: | | 225 AMPS SURFACE | | LOCATION: | |
|-------------------------------------|--------|-----------------|----------|------------------|---------|--------------------|----------------------------------|
| 120/208V, 3ø, 4W (SIEMENS NLAB442A) | | LOAD kW | BKR SIZE | CIRCUITS | LOAD kW | BKR SIZE | 12TH FLOOR ELECTRICAL ROOM 12C21 |
| CONVENIENCE RECEP. | 15A 1 | 1 | 15A | 1 | 15A | RECEP. 1236, 1239 | |
| DOOR OPERATOR 1240 | 15A 3 | 4 | 15A | 4 | 15A | RECEP. 1236, 1239 | |
| RECEP. AREA 1238 | 15A 5 | 6 | 15A | 6 | 15A | RECEP. AREA 1231 | |
| RECEP. AREA 1238 | 20A 7 | 8 | 20A | 8 | 20A | RECEP. AREA 1231 | |
| RECEP. 1232, 1233, 1234 | 15A 9 | 10 | 15A | 10 | 15A | RECEP. AREA 1231 | |
| RECEP. 1232, 1233, 1234 | 15A 11 | 12 | 15A | 12 | 15A | RECEP. AREA 1231 | |
| CONVENIENCE RECEP. | 15A 13 | 14 | 15A | 14 | 15A | RECEP. AREA 1231 | |
| | 15A 15 | 16 | 15A | 16 | 15A | RECEP. AREA 1231 | |
| | 15A 17 | 18 | 15A | 18 | 15A | WELLNESS ROOM 1241 | |
| | 15A 19 | 20 | 15A | 20 | 15A | | |
| | 15A 21 | 22 | 15A | 22 | 15A | | |
| | 15A 23 | 24 | 15A | 24 | 15A | | |
| | 15A 25 | 26 | - | - | - | | |
| | 15A 27 | 28 | - | - | - | | |
| | 15A 29 | 30 | - | - | - | | |
| | 15A 31 | 32 | - | - | - | | |
| | 15A 33 | 34 | 15A | 34 | 15A | SPARE | |
| | 15A 35 | 36 | 2P | | | | |
| | 15A 37 | 38 | 20A | | | | |
| | 15A 39 | 40 | | | | | |
| | 15A 41 | 42 | 3P | | 3P | SURGE SUPPRESSOR | |
| TOTAL | | | | | | TOTAL | |

| NEW PANEL 'UPS' | | MANS. MOUNTING: | | 100 AMPS SURFACE | | LOCATION: | |
|------------------|--------|-----------------|----------|------------------|---------|--------------------------------|--------------------------|
| 120/208V, 1ø, 3W | | LOAD kW | BKR SIZE | CIRCUITS | LOAD kW | BKR SIZE | 12TH FLOOR HUB ROOM 1208 |
| REVOLVING DOOR 1 | 15A 1 | 1 | 15A | 1 | 15A | RECEP. AREA 1210 | |
| REVOLVING DOOR 2 | 15A 3 | 4 | 15A | 4 | 15A | RECEP. AREA 1210 | |
| REVOLVING DOOR 3 | 15A 5 | 6 | 15A | 6 | 15A | RECEP. AREA 1211 | |
| RECEP. ROOM 1209 | 15A 7 | 8 | 15A | 8 | 15A | RECEP. AREA 1211 | |
| RECEP. ROOM 1209 | 15A 9 | 10 | 15A | 10 | 15A | RECEP. AREA 1211 | |
| RECEP. ROOM 1209 | 15A 11 | 12 | 15A | 12 | 15A | RECEP. AREA 1211 | |
| RECEP. ROOM 1209 | 15A 13 | 14 | 15A | 14 | 15A | SMART GLASS TX | |
| RECEP. ROOM 1209 | 15A 15 | 16 | 15A | 16 | 15A | RECEP. 1260 | |
| RECEP. ROOM 1209 | 15A 17 | 18 | 15A | 18 | 15A | RECEP. 1260 | |
| TV ROOM 1209 | 15A 19 | 20 | 20A | 20 | 20A | IT RACK ROOM 1260 | |
| TV ROOM 1209 | 15A 21 | 22 | 15A | 22 | 15A | WASHROOM KIT | |
| TV ROOM 1209 | 15A 23 | 24 | 15A | 24 | 15A | SPARE | |
| TV ROOM 1209 | 15A 25 | 26 | 15A | 26 | 15A | CONDENSATE PUMP | |
| TV ROOM 1202 | 15A 27 | 28 | 15A | 28 | 15A | FAN COIL FOR FORENSICS RM 1260 | |
| ROOM 1202 | 15A 29 | 30 | 2P | | | | |
| RECEP. 1260 | 15A 31 | 32 | 20A | 32 | 20A | IT RACK ROOM 1208 | |
| RECEP. 1260 | 15A 33 | 34 | 20A | 34 | 20A | IT RACK ROOM 1208 | |
| | - 35 | 36 | 20A | | | AV RACK ROOM 1208 | |
| | - 37 | 38 | - | - | - | | |
| | - 39 | 40 | - | - | - | | |
| | - 41 | 42 | - | - | - | | |
| TOTAL | | | | | | TOTAL | |

MAGLOCK INSTALLATION NOTES

LOCKING, LATCHING AND OTHER FASTENING DEVICES ON EVERY EXISTING DOOR SHALL PERMIT THE DOOR TO BE READILY OPENED FROM THE INSIDE WITH NOT MORE THAN ONE RELEASING OPERATION AND WITHOUT REQUIRING KEY, SPECIAL DEVICES OR SPECIALIZED KNOWLEDGE OF THE DOOR OPENING MECHANISM.

IF A DOOR IS EQUIPPED WITH A LATCHING MECHANISM, A DEVICE THAT WILL RELEASE THE LATCH AND ALLOW THE DOOR TO SWING WIDE OPEN WHEN A FORCE OF NOT MORE THAN 90 N IS APPLIED TO THE DEVICE IN THE DIRECTION OF TRAVEL TO THE EXIT SHALL BE INSTALLED ON:

(a) EVERY EXIT DOOR FROM A FLOOR AREA CONTAINING AN OCCUPANCY HAVING AN OCCUPANT LOAD MORE THAN 100, AND

(b) EVERY DOOR LEADING TO AN EXIT LOBBY FROM AN EXIT SHAFT, AND EVERY EXTERIOR DOOR LEADING FROM AN EXIT STAIR SHAFT IN A BUILDING HAVING AN OCCUPANT LOAD MORE THAN 100, AND

EVERY EXIT DOOR SHALL BE DESIGNED AND INSTALLED SO THAT, WHEN THE LATCH IS RELEASED, THE DOOR WILL OPEN UNDER A FORCE OF NOT MORE THAN 90 N, APPLIED AT THE KNOB OR OTHER LATCH RELEASING DEVICE.

ELECTROMAGNETIC LOCKS THAT DO NOT INCORPORATE LATCHES, PINS OR OTHER SIMILAR DEVICES TO KEEP THE DOOR IN THE CLOSED POSITION ARE PERMITTED TO BE INSTALLED ON EXIT DOORS OTHER THAN DOORS DESCRIBED IN NOTE (5), PROVIDED:

THE BUILDING IS EQUIPPED WITH A FIRE ALARM SYSTEM NOTE.

THE LOCKING DEVICE, AND ALL SIMILAR DEVICE IN THE ACCESS TO EXIT LEADING TO THE EXIT DOOR, ARE INSTALLED AS AUXILIARY DEVICES TO THE FIRE ALARM SYSTEM AND RELEASE IMMEDIATELY UPON ACTIVATION OF:

THE LOCKING DEVICE RELEASES IMMEDIATELY UPON LOSS OF POWER TO THE FIRE ALARM CONTROL PANEL OR LOSS OF POWER CONTROLLING THE ELECTROMAGNETIC LOCKING MECHANISM AND ITS ASSOCIATED AUXILIARY CONTROLS.

THE LOCKING DEVICE RELEASES IMMEDIATELY UPON ACTUATION OF A MANUALLY OPERATED SWITCH READILY ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL AND LOCATED NEAR THE MAIN ENTRANCE OF THE BUILDING OR IN THE CENTRAL ALARM AND CONTROL FACILITY.

THE LOCKING DEVICE RELEASES IMMEDIATELY UPON A FAULT BEING DETECTED IN THE ELECTRICAL CIRCUIT BETWEEN THE FIRE ALARM CONTROL PANEL AND THE CONTROLLER OF THE LOCKING DEVICE.

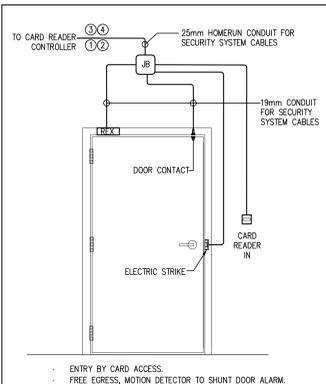
THE LOCKING DEVICE RELEASES IMMEDIATELY UPON THE OPERATION OF A MANUAL PULL STATION FOR THE FIRE ALARM SYSTEM LOCATED ON THE WALL NOT MORE THAN 600 mm FROM THE DOOR.

A LEGIBLE SIGN HAVING THE WORDS EMERGENCY EXIT UNLOCKED BY FIRE ALARM IS PERMANENTLY MOUNTED ON THE DOOR.

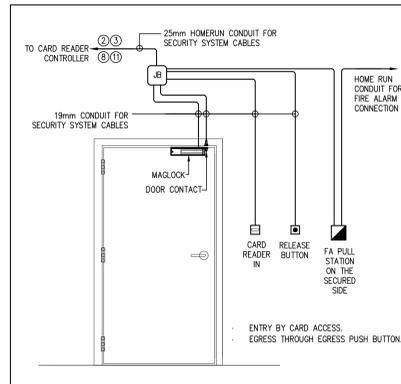
THE LETTERING ON THE SIGN REQUIRED IN CLAUSE (g) IS AT LEAST 25 mm HIGH WITH A 5 mm STROKE.

THE OPERATION OF ANY BY-PASS SWITCH, WHERE PROVIDED FOR TESTING OF THE FIRE ALARM SYSTEM, CAUSES AN AUDIBLE SIGNAL AND A VISUAL SIGNAL TO BE INDICATED AT THE FIRE ALARM ANNUNCIATOR PANEL AND AT THE MONITORING STATION.

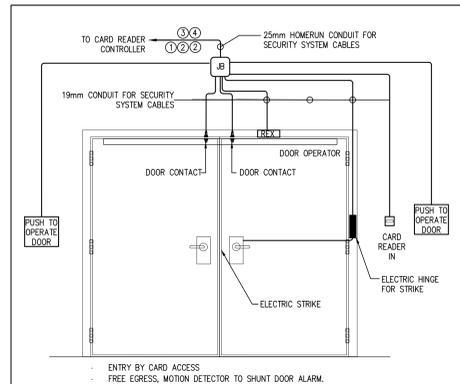
EMERGENCY LIGHTING IS PROVIDED AT THE DOORS.



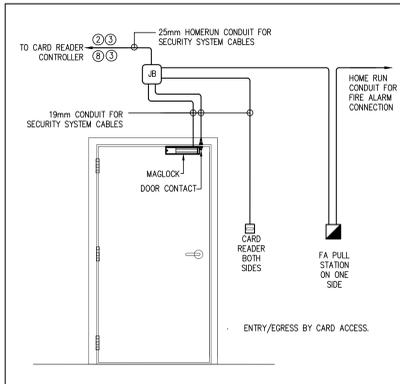
1 SINGLE DOOR DETAIL - TYPE 1
E005 SCALE: N.T.S.



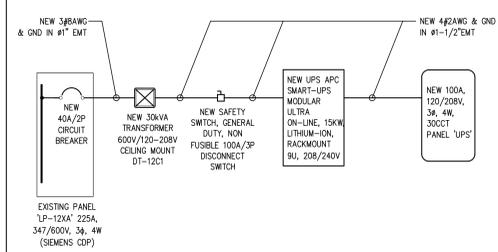
2 SINGLE DOOR DETAIL - TYPE 2
E005 SCALE: N.T.S.



3 DOUBLE DOOR DETAIL - TYPE 3
E005 SCALE: N.T.S.



4 SINGLE DOOR DETAIL - TYPE 4
E005 SCALE: N.T.S.



5 PARTIAL SINGLE LINE DIAGRAM
E004 SCALE: N.T.S.

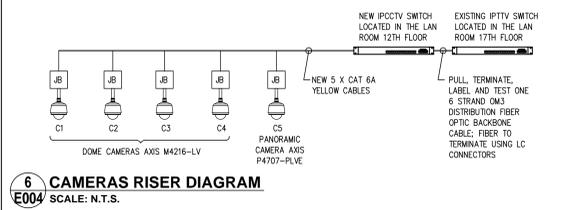
MINIMUM CABLE SIZING CHART

| DEVICE | CABLE LEGEND | GUAGE & NUMBER OF PAIRS |
|-------------------------------|--------------|------------------------------|
| ELECTRIC STRIKE | ① | #18 - 6 CONDUCTOR |
| DOOR CONTACT | ② | #20 - 4 CONDUCTOR |
| CARD READER | ③ | #20 - 8 CONDUCTOR (SHIELDED) |
| REX MOTION DETECTOR | ④ | #18 - 4 CONDUCTOR |
| MAG-LOCK | ⑤ | #18 - 2 PAIR |
| DOOR RELEASE BUTTON/KEYSWITCH | ⑥ | #18 - 1 PAIR |

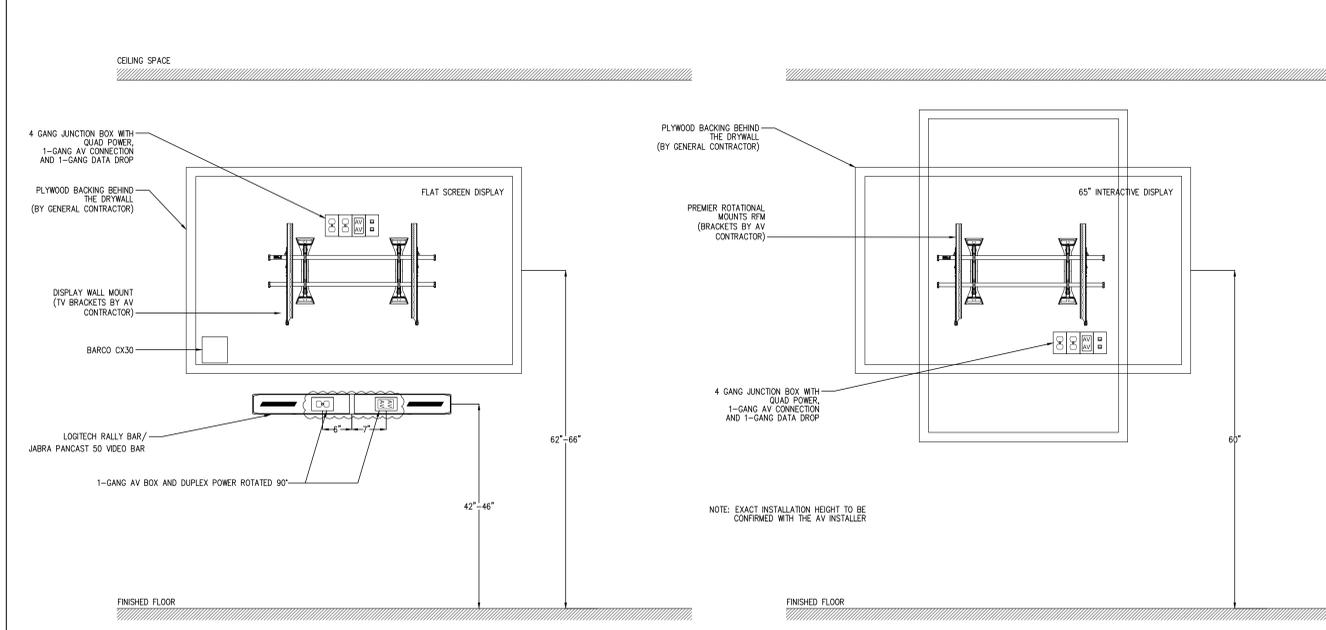
ELECTRICAL CONTRACTOR TO PROVIDE APPROPRIATE WIRING BASED ON INDIVIDUAL DOOR DISTANCES FROM ASSOCIATED EQUIPMENT ROOMS, AND TO VERIFY EXACT WIRING REQUIREMENTS WITH MANUFACTURER AND TO MATCH SITE CONDITIONS.

NOTES:

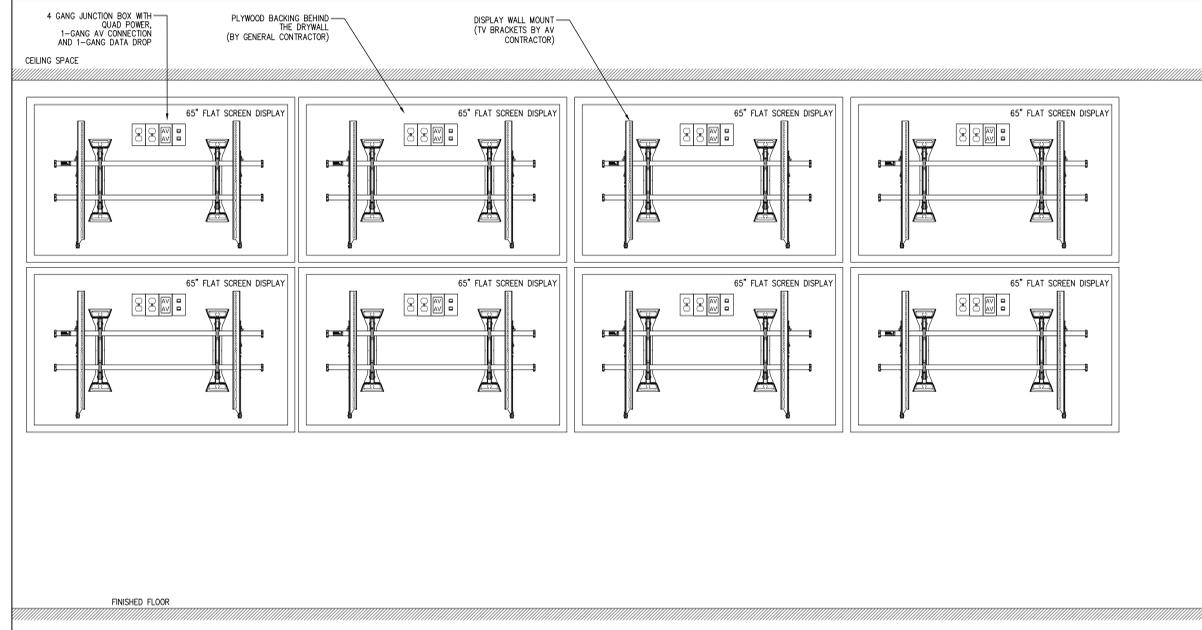
- ALL CABLES/WIRING TO BE INSTALLED IN CONDUIT. ELECTRICAL CONTRACTOR TO DETERMINE THE NUMBER OF CONDUITS REQUIRED FOR EACH DOOR ON SITE. CONDUITS CAN BE ZONED TO MINIMIZE THE NUMBER OF HOME RUNS FROM SECURITY DEVICES TO THE RESPECTIVE PANELS OR JUNCTION BOX LOCATIONS.
- REFER TO FLOOR PLAN & SECURITY DEVICES LEGEND FOR DEVICE LOCATION.
- REFER TO FLOOR PLAN FOR EXACT DEVICE COUNTS AT EACH DOOR. WHERE THERE IS A DISCREPANCY, THE MORE ONEROUS QUANTITY SHALL APPLY. VERIFY WITH CONSULTANT PRIOR TO BIDDING.
- EACH DEVICE SHALL BE PROVIDED WITH MANUFACTURER RECOMMENDED CABLES CONNECTING THE DEVICE DIRECTLY TO ITS RESPECTIVE DATA GATHERING PANEL.



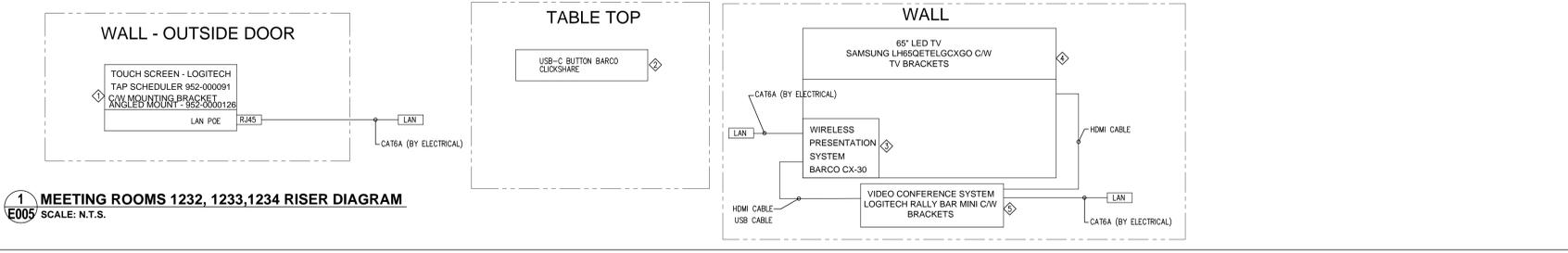
6 CAMERAS RISER DIAGRAM
E004 SCALE: N.T.S.



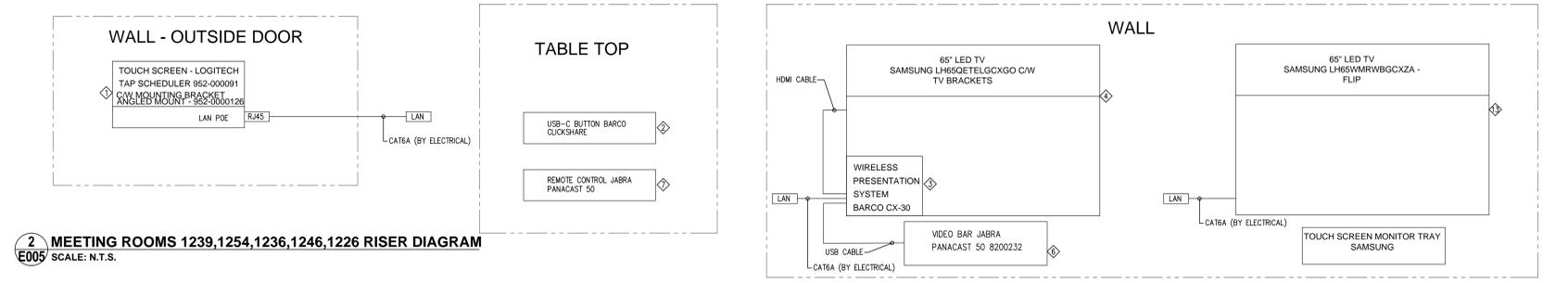
7 MEETING ROOMS TABLE CONNECTION DETAIL (TYPICAL FOR ALL)
E004 SCALE: N.T.S.



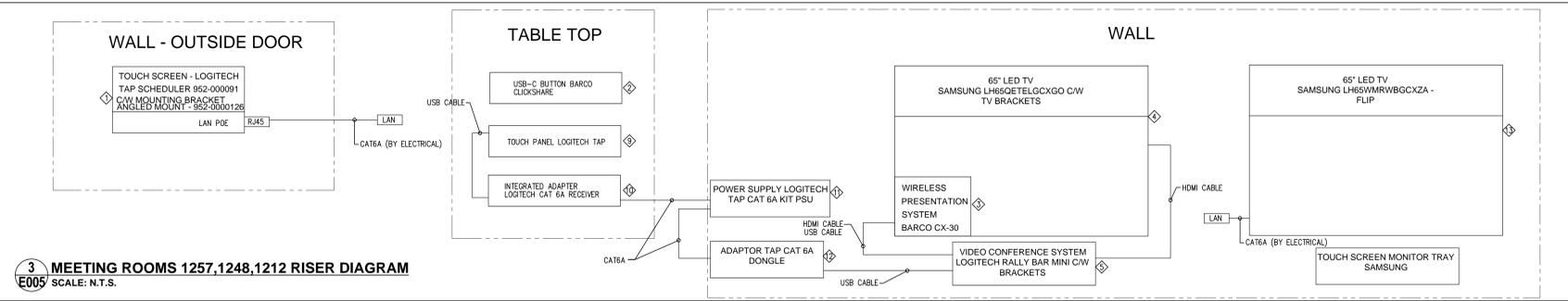
- NOTES:
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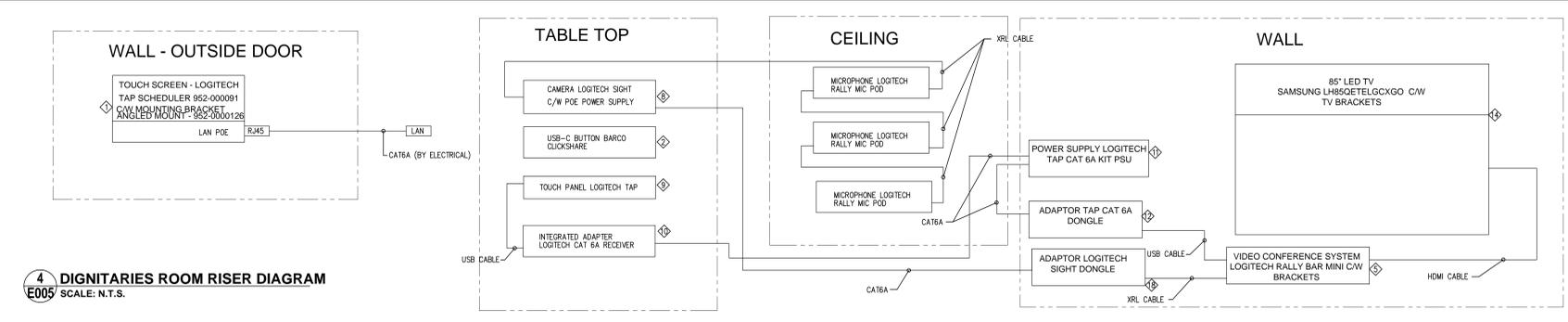
1 MEETING ROOMS 1232, 1233, 1234 RISER DIAGRAM
E005 SCALE: N.T.S.



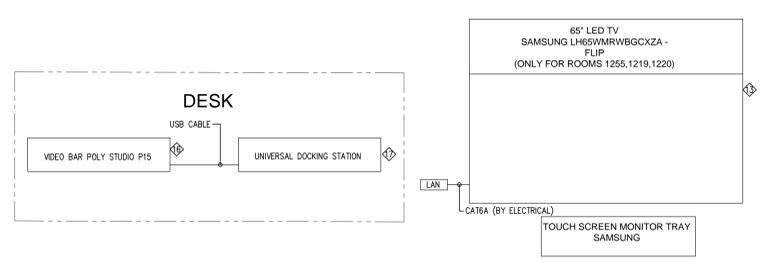
2 MEETING ROOMS 1239, 1254, 1236, 1246, 1226 RISER DIAGRAM
E005 SCALE: N.T.S.



3 MEETING ROOMS 1257, 1248, 1212 RISER DIAGRAM
E005 SCALE: N.T.S.



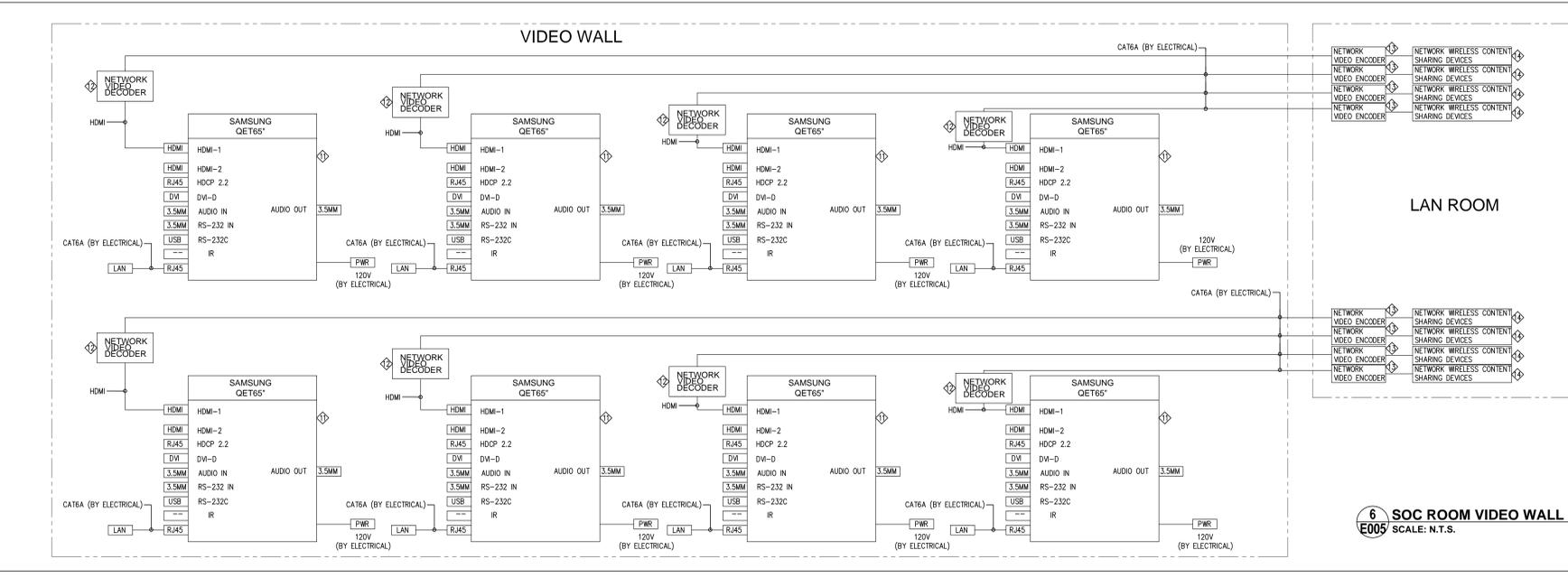
4 DIGNITARIES ROOM RISER DIAGRAM
E005 SCALE: N.T.S.



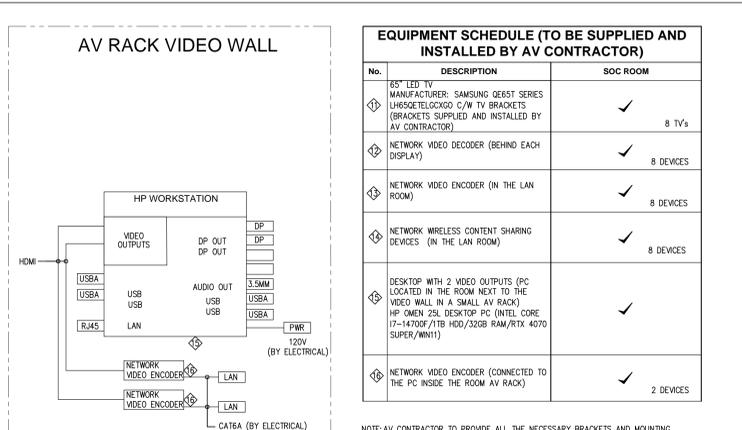
5 FOCUS ROOMS RISER DIAGRAM
E005 SCALE: N.T.S.

| EQUIPMENT SCHEDULE (TO BE SUPPLIED AND INSTALLED BY AV CONTRACTOR) | | | | | | |
|--|---|-----------------------|--------------------------------|--|--------------------------------|--|
| No. | DESCRIPTION | DIGNITARIES ROOM 1202 | MEETING ROOMS 1232, 1233, 1234 | MEETING ROOMS 1239, 1254, 1236, 1246, 1226 | MEETING ROOMS 1257, 1248, 1212 | FOCUS ROOMS 1217, 1218, 1229, 1228, 1227, 1249, 1261 |
| 1 | ROOM SCHEDULING TOUCH SCREEN LOGITECH TAP SCHEDULER 952-000091 NEEDS TO BE BOUGHT AS A KIT SO IT INCLUDES ALL MOUNTING BRACKETS AND ACCESSORIES (ANGLED MOUNT - 952-000126) | | ✓ | ✓ | ✓ | |
| 2 | USB-C BUTTON BARCO CLICKSHARE | ✓ | ✓ | ✓ | ✓ | |
| 3 | WIRELESS PRESENTATION SYSTEM BARCO CX-30 | | ✓ | ✓ | ✓ | |
| 4 | 65" LED TV SAMSUNG LH85QTELCGXGO C/W TV BRACKETS (BRACKETS SUPPLIED AND INSTALLED BY AV CONTRACTOR) | | ✓ | ✓ | ✓ | |
| 5 | VIDEO CONFERENCE SYSTEM LOGITECH RALLY BAR MINI C/W MOUNTING BRACKET LOGITECH TV MOUNT - 952-000041 | ✓ | ✓ | | ✓ | |
| 6 | VIDEO BAR JABRA PANACAST 50 8200232 | | | ✓ | | |
| 7 | REMOTE CONTROL JABRA PANACAST 50 | | | ✓ | | |
| 8 | CAMERA LOGITECH SIGHT C/W POWER SUPPLY | ✓ | | | | |
| 9 | TOUCH PANEL LOGITECH TAP | ✓ | | | ✓ | |
| 10 | INTEGRATED ADAPTER LOGITECH CAT 6A RECEIVER | ✓ | | | ✓ | |
| 11 | POWER SUPPLY LOGITECH TAP CAT 6A KIT PSU | ✓ | | | ✓ | |
| 12 | ADAPTOR TAP CAT 6A DONGLE | ✓ | | | ✓ | |
| 13 | 65" LED TV SAMSUNG LH85WVRWBGCXZA - FLIP C/W TOUCH SCREEN MONITOR TRAY SAMSUNG | | | ✓ | ✓ | ✓ |
| 14 | 65" LED TV SAMSUNG LH85QTELCGXGO C/W TV BRACKETS (BRACKETS SUPPLIED AND INSTALLED BY AV CONTRACTOR) | ✓ | | | ✓ | |
| 15 | MICROPHONE LOGITECH RALLY MIC POD | | | 3 DEVICES | | |
| 16 | VIDEO BAR POLY STUDIO P15 | | | | ✓ | ✓ |
| 17 | UNIVERSAL DOCKING STATION | | | | ✓ | ✓ |
| 18 | ADAPTOR LOGITECH SIGHT DONGLE | ✓ | | | | |

NOTE: AV CONTRACTOR TO PROVIDE ALL THE NECESSARY BRACKETS AND MOUNTING DEVICES TO COMPLETE THE AV EQUIPMENT INSTALLATION.



6 SOC ROOM VIDEO WALL RISER DIAGRAM
E005 SCALE: N.T.S.



EQUIPMENT SCHEDULE (TO BE SUPPLIED AND INSTALLED BY AV CONTRACTOR)

| No. | DESCRIPTION | SOC ROOM |
|-----|--|-----------|
| 1 | 65" LED TV MANUFACTURER: SAMSUNG QET65 SERIES LH85QTELCGXGO C/W TV BRACKETS (BRACKETS SUPPLIED AND INSTALLED BY AV CONTRACTOR) | 8 TVs |
| 2 | NETWORK VIDEO DECODER (BEHIND EACH DISPLAY) | 8 DEVICES |
| 3 | NETWORK VIDEO ENCODER (IN THE LAN ROOM) | 8 DEVICES |
| 4 | NETWORK WIRELESS CONTENT SHARING DEVICES (IN THE LAN ROOM) | 8 DEVICES |
| 5 | DESKTOP WITH 2 VIDEO OUTPUTS (PC LOCATED IN THE ROOM NEXT TO THE VIDEO WALL IN A SMALL AV RACK) HP OMEN 95L DESKTOP PC (INTEL CORE I7-14700F/1TB HDD/32GB RAM/RTX 4070 SUPER/WN11) | ✓ |
| 6 | NETWORK VIDEO ENCODER (CONNECTED TO THE PC INSIDE THE ROOM AV RACK) | 2 DEVICES |

NOTE: AV CONTRACTOR TO PROVIDE ALL THE NECESSARY BRACKETS AND MOUNTING DEVICES TO COMPLETE THE AV EQUIPMENT INSTALLATION.

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- R00 ISSUED FOR PERMIT/TENDER 2024-07-24
- R95 ISSUED FOR 95% CLIENT REVIEW 2024-07-19
- RP4 ISSUED FOR 66% CLIENT REVIEW 2024-06-10
- RP2 ISSUED FOR 50% CLIENT REVIEW 2024-06-07
- NO ISSUED YY.MM.DD

CITY OF TORONTO
CYBER COMMAND CENTRE
55 JOHN STREET
12TH FLOOR
TORONTO, ONTARIO
M5V 3G6

Drawing Title:
AV RISER DIAGRAM, EQUIPMENT SCHEDULE, CABLE PULL SCHEDULE

Scale: AS NOTED
Proj. No: 24025
Date: ARP.22.2024
Designed By: S.M.
Checked By: S.S.
Code: 24025
Drawing No: **E005**

NOTES:

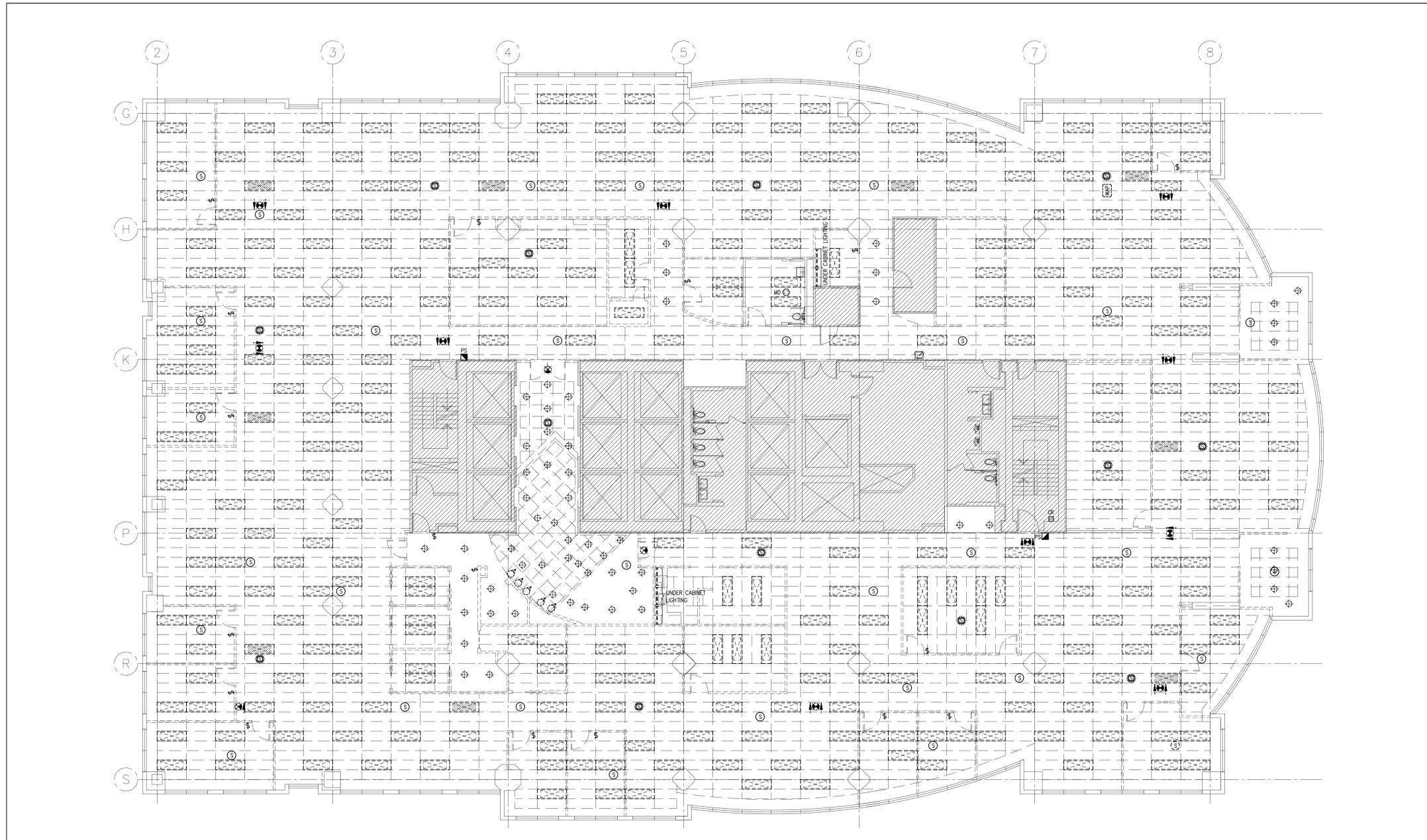
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Corporate Real Estate Management
Project Management Office
Metro Hall, Toronto, ON
MSV 3C6



ALGAL ENGINEERING LTD.
CONSULTING ENGINEERS
415 Commerce Road, Suite 102
Toronto, Ontario, M2J 4Z2
1-416-468-0101 | 416-949-0108 | info@alga.ca



1 LIGHTING DEMOLITION LAYOUT
E006 SCALE: 1/8"=1'-0"

| LIGHTING LEGEND | |
|-----------------|---|
| DEMOLITION | |
| SYMBOL | DESCRIPTION |
| [Symbol] | EXISTING LIGHTING FIXTURE TO BE REMOVED |
| [Symbol] | EXISTING LIGHTING FIXTURE CONNECTED TO EMERGENCY CIRCUIT TO BE REMOVED |
| [Symbol] | EXISTING LIGHTING FIXTURE TO BE REMOVED |
| [Symbol] | EXISTING LIGHTING FIXTURE TO BE REMOVED |
| [Symbol] | DIRECTIONAL LIGHTING TO BE REMOVED |
| [Symbol] | WALL MOUNTED LIGHTING SWITCH TO BE REMOVED |
| [Symbol] | CEILING MOUNTED MOTION DETECTOR TO BE REMOVED |
| [Symbol] | ONE OR TWO FACE EXIT LIGHT TO BE REMOVED |
| [Symbol] | FIRE ALARM SPEAKER TO BE REMOVED |
| [Symbol] | FIRE ALARM SPEAKER & STROBE LIGHT COMBO TO BE REMOVED |
| [Symbol] | REMOTE EMERGENCY LIGHTING FIXTURE-DOUBLE HEAD COMPLETE WITH BATTERY CHARGER TO BE REMOVED |
| [Symbol] | STROBE LIGHT TO BE REMOVED |

| DEMOLITION SPECIFICATIONS | |
|---|--|
| 1. GENERAL | 2. DEMO NOTES |
| 1.0 THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL DRAWINGS CAREFULLY TO DETERMINE THE EXTENT OF THE DEMOLITION IN THE EXISTING BUILDING. EXAMINE THE SITE AND DETERMINE AND INCLUDE IN THE TOTAL PRICE OF THE TOTAL COST OF LABOUR AND MATERIAL TO DISCONNECT, REMOVE, RELOCATE, BLANK-OFF, REROUTE OR MAKE SAFE ALL EXISTING CONDUITS AND WIRE, BOXES, LUMINAIRES AND EQUIPMENT REQUIRED. | 2.1 THE CONTRACTOR SHALL REPLACE OR REPAIR ANY ITEMS WHICH ARE DAMAGED DUE TO THIS WORK AT NO EXTRA COST TO THE BUILDING OWNER. |
| 1.1 NO ALLOWANCE WILL BE MADE FOR (VOIDS) CONSIDERATIONS WHICH MAY HAVE BEEN OVERLOOKED. | 2.2 REMAINING REMOVED EQUIPMENT AND MATERIALS, UNLESS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UPON COMPLETION OF THE WORK. |
| 1.2 THE WHOLE OF THE WORK SHALL BE CARRIED OUT AND PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE CONSULTANT. ANY UNSATISFACTORY WORK SHALL BE REPLACED BY THIS DIVISION WITHOUT EXTRA COST TO THE OWNER. | 2.3 GENERAL CONTRACTOR SHALL REMOVE ALL NECESSARY CEILING TILES TO ALLOW DEMOLITION OF MECHANICAL AND ELECTRICAL SERVICES. |
| 1.3 IN CASE EXTRA WORK OF ANY KIND IS REQUIRED, OBTAIN WRITTEN INSTRUCTIONS FROM THE CONSULTANT BEFORE PROCEEDING. PAYMENTS WILL BE MADE AT A FAIR AND REASONABLE RATE ONLY FOR AUTHORIZED EXTRAS. IN THE CASE OF OMISSIONS, THE SAME PROCEDURE SHALL APPLY AND A DECREASE MADE. | 2.4 MECHANICAL & ELECTRICAL CONTRACTORS SHALL ASSIST THE GENERAL CONTRACTOR IN THE DEMOLITION WORK, BY CUTTING BACK MECHANICAL & ELECTRICAL SERVICES AS NEEDED FOR DEMOLITION WORK. |
| 1.4 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING AND REMOVING ALL ELECTRICAL EQUIPMENT FROM AREAS BEING ALTERED OR DEMOLISHED. WIRING, CONDUIT AND EQUIPMENT REQUIRED TO MAINTAIN SERVICE IN OTHER PARTS OF THE BUILDING SHALL BE TEMPORARILY SUPPORTED, SERVICED, SERVICED OR RELOCATED AS REQUIRED. OBSOLETE CONDUITS AND CABLES SHALL BE DISCONNECTED FROM THEIR SOURCE OF SUPPLY, CUT BACK AS FAR AS POSSIBLE, AND SHALL BE REMOVED. ALL EXISTING WIRING NOT REMOVED SHALL BE DISCONNECTED, BLANKED-OFF AND MADE SAFE. | 2.5 REMOVE EXISTING OUTLETS NOT TO BE REUSED, PULL WIRES BACK TO RESPECTIVE PANEL AND MAKE SAFE. |
| 1.5 WORK PERFORMED SHALL BE IN CONFORMITY WITH ALL LAWS, BYLAWS, OR REGULATIONS OF THE MUNICIPAL, PROVINCIAL, OR OTHER AUTHORITIES HAVING JURISDICTION. NOTHING CONTAINED IN THESE DRAWINGS SHALL BE IN CONFLICT WITH ANY SUCH LAWS. | 2.6 REMOVE ALL EXISTING TO BE REMOVED PHONE AND DATA CABLES BACK TO PANELS. |
| 1.6 THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DISRUPTION TO THE EXISTING SERVICES. THE EXISTING BUILDING MUST BE KEPT IN OPERATION AT ALL TIMES. ARRANGE WORK IN SUCH A MANNER THAT INTERRUPTIONS IN SERVICES OCCUR ONLY AT SCHEDULED TIMES. UNAVOIDABLE INTERRUPTION SHALL BE SCHEDULED WITH THE LANDLORD AT LEAST 48 HOURS IN ADVANCE. OVERTIME WORK THAT MAY BE REQUIRED TO TIE-IN SERVICES AT NIGHT OR ON WEEKENDS SHALL BE INCLUDED IN THE TENDER AMOUNT. | 2.7 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAKING GOOD ANY SURFACES OR FINISHES DAMAGED AS A RESULT OF DEMOLITION. |
| 1.7 CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED. NO WORK WHICH IS CONDITIONAL ON SUCH PERMITS SHALL BE UNDERTAKEN UNTIL NECESSARY CONDITIONS ARE MET. | 2.8 PULL BACK LIGHTING WIRING TO THE CLOSEST CEILING MOUNTED JUNCTION BOX AND MAKE SAFE FOR FUTURE USE FOR ANY RECONFIGURED LIGHTS. TRACE LIGHTING CIRCUITS BEFORE STARTING ANY DEMOLITION WORK TO DETERMINE EMERGENCY LIGHT CIRCUIT. |
| 1.8 ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO THE DESIGNER FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN. | 2.9 CONTRACTOR TO REMOVE EXISTING WIRING FEEDING EXISTING RECEPTABLES TO BE DEMOLISHED. TRACE POWER OUTLET CIRCUITS BEFORE STARTING ANY DEMOLITION WORK. |
| 1.9 CONTRACTOR SHALL ENSURE THAT AREAS NOT INCLUDED IN THIS CONTRACT ARE ADEQUATELY PROTECTED FROM DUST, DEBRIS, OR ANY OTHER DAMAGE RESULTING FROM WORK PERFORMED, AND THAT ANY CLEANING OR REPAIR REQUIRED IS PERFORMED WITHOUT COST TO OWNER. | 2.10 CONTRACTOR TO MARK ALL AVAILABLE C.B AFTER DEMOLITION WORK AS SPARE BREAKERS FOR FUTURE USE, AND TO MARK THEM ON THE NEW UPDATED PANEL SCHEDULE. |
| 1.10 CONTRACTOR SHALL ENSURE THAT ALL REFUSE IS REMOVED ON A DAILY BASIS AND THAT JOB SITE IS MAINTAINED IN AN ORDERLY AND SAFE CONDITION. | 2.11 DEMOLITION OF EXISTING EXIT SIGNS, AS INDICATED. PROTECT EXIT SIGN FEEDER DURING DEMOLITION. USE FEEDER FOR NEW EXIT SIGN. |
| 1.11 CONTRACTOR SHALL COORDINATE ACCESS TO SITE AND DELIVERY AND REMOVAL OF GOODS WITH LANDLORD. | 2.12 DISCONNECT AND MAKE SAFE POWER CIRCUITS FEEDING THE EXISTING POWER RECEPTABLES. THE POWER CIRCUITS TO BE REUSED TO FEED SALVAGED RELOCATED AND NEW INSTALLED POWER RECEPTABLES AT THE NEW LOCATION. REFER TO DRAWING E004. |
| 1.12 ALL WORK SHALL BE SCHEDULED AND COORDINATED TO AVOID ANY CONFLICTS WITH OTHER TRADES DURING OR AFTER CONSTRUCTION. | 2.13 ANY BASE BUILDING LUMINAIRES REMOVED AND NOT REUSED SHALL BE HANDLED OVER TO THE LANDLORD FOR STORAGE. THE UNUSED LIGHTS TO BE STACKED NEATLY ON A SKID, WRAPPED AND RETURNED TO THE LANDLORD. LIGHTS LENSES TO BE STACKED SEPARATE AND RETURNED TO THE LANDLORD AS WELL AS ALL UNUSED CEILING TILES TO BE STACKED ON A SKID, NEATLY AND RETURNED TO THE LANDLORD. |
| 1.13 PROVIDE TEMPORARY ELECTRICAL POWER FOR THE WORK OF THIS TRADE AND OTHER TRADES AS REQUIRED BY GENERAL CONTRACTOR OR OWNER. | 2.14 CONTRACTOR TO REMOVE THE EXISTING LIGHTING FIXTURES AS INDICATED, CUT BACK THE WIRING TO THE CLOSEST JUNCTION BOX AND MAKE SAFE. THE LIGHTING CIRCUITS MADE AVAILABLE AFTER THE DEMOLITION WILL BE REUSED ACCORDING WITH PROPOSED LAYOUT. DISPOSE OF SITE ALL LIGHTING FIXTURES AND MATERIAL THAT HAVE BEEN REMOVED. DISPOSE LAMPS, BALLAST AND LIGHTING FIXTURES AS PER LEGAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING AND PAYING FOR THE COST OF DISPOSAL. |
| | 2.15 REMOVAL AND DISPOSAL OF POLYCHLORINATED BIPHENYLS (PCBS): THE CONTRACTOR SHALL EXTRACT ALL LIGHT BALLASTS AND TRANSFORMERS, CLEAN AND EXAMINE BY THEIR ENVIRONMENTAL CONSULTANT TO DETERMINE PCB CONTENT. ALL PCB-CONTAINING BALLASTS (AS IDENTIFIED BY THE CONSULTANT) SHALL BE PLACED IN STEEL DRUMS PROPERLY LABELED AND SHALL BE DISPOSED OF ACCORDING TO APPLICABLE ENVIRONMENTAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING AND PAYING FOR THE COST OF DISPOSAL. A COPY OF THE CERTIFICATE OF DESTRUCTION SHALL BE SUBMITTED TO THE CONSULTANT ONCE THE PCB-CONTAINING MATERIALS ARE DISPOSED OF. THIS SCOPE OF WORK SHALL APPLY TO ANY OTHER PCB-CONTAINING EQUIPMENT (I.E. CAPACITORS, TRANSFORMERS, ETC.). |
| | 2.16 REMOVAL OF MERCURY CONTAINING EQUIPMENT: THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY EXTRACTING ALL POTENTIALLY MERCURY-CONTAINING EQUIPMENT AND ALL LIGHT BULBS WHICH ARE INCLUDED IN THE SCOPE OF THIS PROJECT. PLACE THE EQUIPMENT/LIGHT BULBS IN A TEMPORARY STAGING AREA AND EXAMINE BY THEIR ENVIRONMENTAL CONSULTANT TO DETERMINE MERCURY CONTENT. THE MERCURY IN THE EQUIPMENT/BULBS CAN BE RECYCLED BY COMPANIES WHO SPECIALIZE IN SUCH SERVICE - ALL EFFORTS SHALL BE MADE BY THE CONTRACTOR TO RECYCLE THE MERCURY INSTEAD OF DISPOSING OF IT. IN CASE MERCURY WASTE IS GENERATED AND CANNOT BE RECYCLED, THE WASTE MUST BE STORED IN AIRTIGHT CONTAINERS OR COVERED WITH WATER OR OIL AND KEPT IN A COOL PLACE UNTIL PROPERLY DISPOSED OF. CONTAINERS MUST BE PROPERLY LABELED. THE CONTRACTOR SHALL ARRANGE FOR THE PROPER TRANSPORTATION AND DISPOSAL OF THE WASTE IN ACCORDANCE WITH APPLICABLE ENVIRONMENTAL AND HEALTH AND SAFETY ACTS AND REGULATIONS. A COPY OF THE RECYCLING DOCUMENTS AND/OR DISPOSAL CERTIFICATE SHALL BE SUBMITTED TO THE ENVIRONMENTAL CONSULTANT. |

| | | |
|-----|------------------------------|------------|
| R01 | RE-ISSUED FOR PERMIT/TENDER | 2024-07-31 |
| R00 | ISSUED FOR PERMIT/TENDER | 2024-07-24 |
| RP5 | ISSUED FOR 95% CLIENT REVIEW | 2024-07-19 |
| RP4 | ISSUED FOR 66% CLIENT REVIEW | 2024-06-10 |
| RP2 | ISSUED FOR 50% CLIENT REVIEW | 2024-06-07 |
| NO | ISSUED | YY.MM.DD |

Client:
CITY OF TORONTO
CYBER COMMAND CENTRE
55 JOHN STREET
12TH FLOOR
TORONTO, ONTARIO
M5V 3C6

Drawing Title:
**LIGHTING DEMOLITION LAYOUT,
LEGEND,
DEMOLITION SPECIFICATION**

Scale: 1/8"=1'-0"
Proj. No: 24025
Date: ARP.22.2024
Designed By: S.M.
Checked By: S.S.
Code: 24025

Drawing No: **E006**
ARCHIT 30042

- NOTES:
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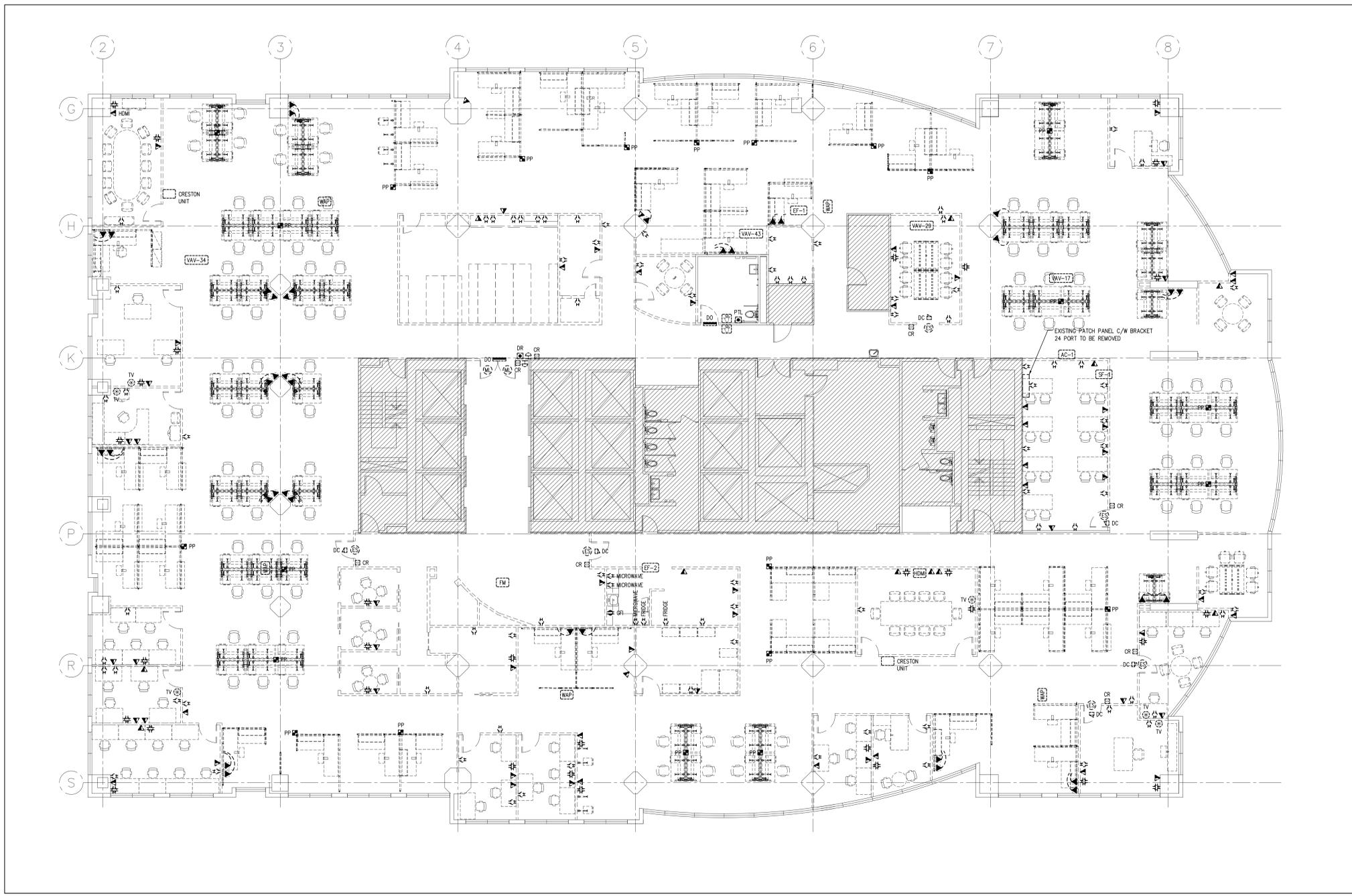


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Client:
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CYBER COMMAND CENTRE
55 JOHN STREET
12TH FLOOR
TORONTO, ONTARIO
M5V 3C6

Drawing Title:
POWER DEMOLITION LAYOUT, LEGEND

| | |
|--------------|-------------|
| Scale: | 1/8"=1'-0" |
| Proj. No: | 24025 |
| Date: | ARP.22.2024 |
| Designed By: | S.M. |
| Checked By: | S.S. |
| Code: | 24025 |
| Drawing No: | E007 |



| POWER LEGEND | |
|--------------|--|
| DEMOLITION | |
| SYMBOL | DESCRIPTION |
| | EXISTING WALL MOUNTED DUPLEX RECEPTACLE TO BE REMOVED |
| | EXISTING WALL MOUNTED QUADRUPLUX RECEPTACLE TO BE REMOVED |
| | EXISTING GROUND FAULT INTERRUPTER RECEPTACLE TO BE REMOVED |
| | EXISTING WALL MOUNTED DATA/VOICE RECEPTACLE TO BE REMOVED |
| | EXISTING POWER POLE TO BE REMOVED |
| | EXISTING BASE FEED TO BE REMOVED |
| | EXISTING TV OUTLET TO BE REMOVED |
| | DOOR MAGNETIC LOCK TO BE REMOVED |
| | DOOR ELECTRIC STRIKE TO BE REMOVED |
| | CARD READER |
| | POWER DOOR OPERATOR |
| | PUSH BUTTON TO BE REMOVED |
| | DOOR RELEASE BUTTON TO BE REMOVED |
| | PUSH TO LOCK BUTTON TO BE REMOVED |
| | DOOR CONTACT TO BE REMOVED |
| | WIRELESS ACCESS POINT TO BE REMOVED |
| | HAND DRYER TO BE REMOVED |
| | WAVE TO OPEN SENSOR TO BE REMOVED |
| | FLOOR MOUNTED CONSIST OF 4 GANG POWER/DATA/VOICE |
| | VAV BOX TO BE REMOVED |
| | EXHAUST FAN TO BE REMOVED |
| | AIR CONDITION UNIT TO BE REMOVED |

1 POWER DEMOLITION LAYOUT
E007 SCALE: 1/8"=1'-0"