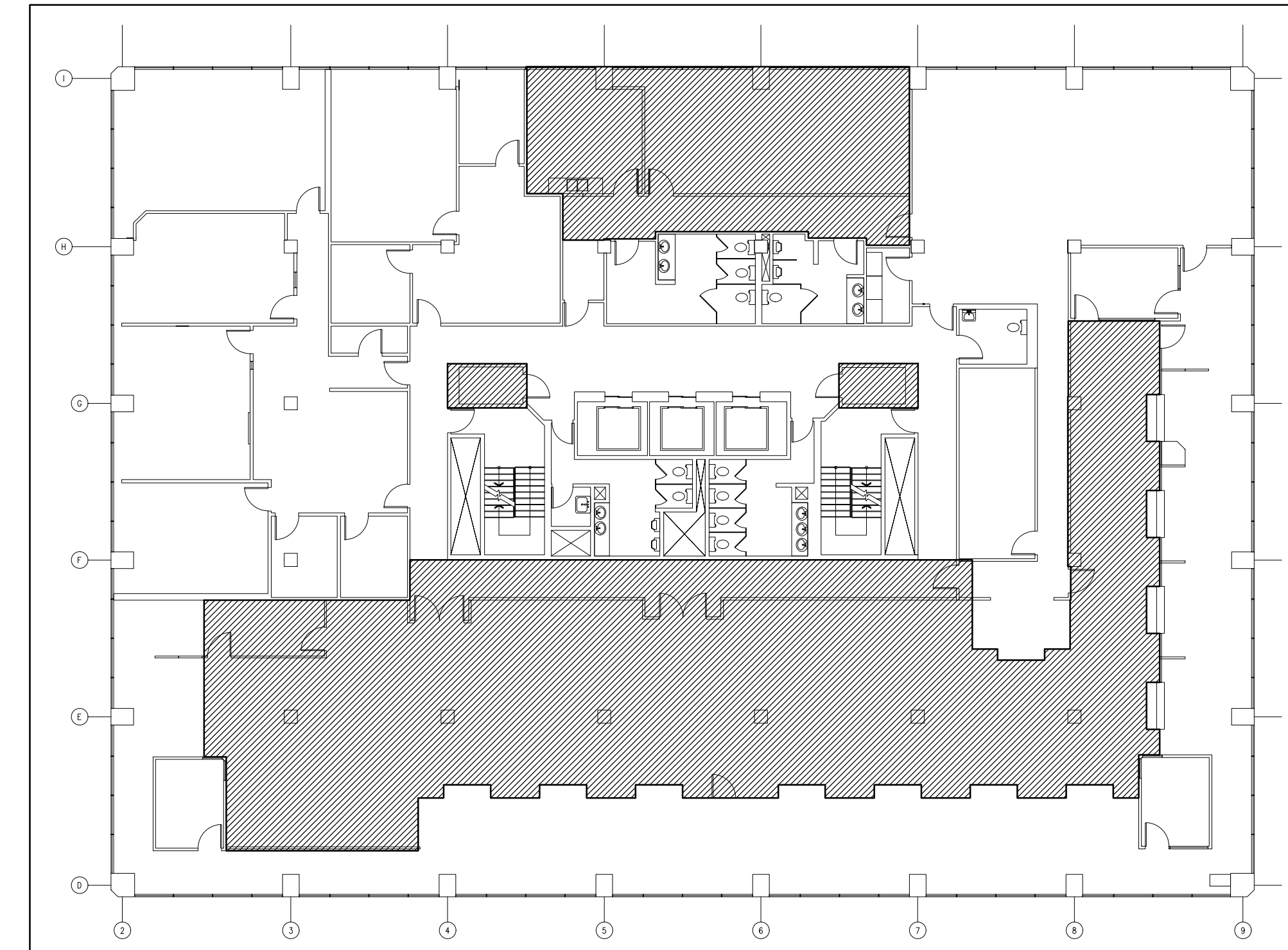


SERVICE ONTARIO - REDESIGN

IO PROJECT No. 230567-274329

47 SHEPPARD AVENUE EAST
NORTH YORK, ONTARIO



KEY PLAN
AREA IN CONTRACT

CONTENT	RE-ISSUED FOR	DATE	FILE No.
ELECTRICAL DRAWINGS	PERMIT/TENDER	AUGUST 15, 2024	AE-24077-DRAW-E001-E006-R00

DRAWING LIST			
DRAWING NUMBER	DESCRIPTION	DRAWING SCALE:	PLOTTING SCALE:
E001	KEYPLAN, DRAWING LIST	N.T.S.	1'-0"=1'-0"
E002	ELECTRICAL, DATA/VOICE SPECIFICATION	N.T.S.	1'-0"=1'-0"
E003	PROPOSED LIGHTING LAYOUT, LEGEND & NOTES	3/16"=1'-0"	1'-0"=1'-0"
E004	PROPOSED POWER LAYOUT, LEGEND, NOTES	3/16"=1'-0"	1'-0"=1'-0"
E005	DEMOLITION LAYOUT, DEMOLITION SPECIFICATION, LEGEND	3/16"=1'-0"	1'-0"=1'-0"
E006	PANEL SCHEDULE	N.T.S.	1'-0"=1'-0"



No	Revisions	Date
R00	ISSUED FOR PERMIT/TENDER	2024-08-15
RP4	ISSUED FOR 99% CLIENT REVIEW	2024-07-26
RP3	RE-ISSUED FOR 33% CLIENT REVIEW	2024-07-12
RP2	ISSUED FOR 33% CLIENT REVIEW	2024-07-05

Orientation:

Seal:

The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A	Detail No
B	Sheet No where detailed



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Ministry PSF Number

Project: **SERVICE ONTARIO - REDESIGN**

Location: **47 SHEPPARD AVENUE EAST
NORTH YORK, ONTARIO**

IO Project No. **230567-274329** Site No. **N12345** Building No. **B20289**

Client: **BGIS**

Drawing Title: **KEYPLAN, DRAWING LIST**

Scale: N.T.S.	Project Start Date: 20240521
Drawn by: S.M.	Substantial Performance Date: TBD
Designed by: R.P.	Drawing No: E001
Approved by: M.R.	Floor No: 0

ELECTRICAL SPECIFICATION

GENERAL SPECIFICATION

REFERENCE STANDARDS
1. COMPLETE THE INSTALLATION OF THE WORK IN ACCORDANCE WITH LATEST EDITIONS OF THE ONTARIO BUILDING CODE, PROVINCIAL ELECTRICAL SAFETY CODE, C.S.A. STANDARDS, U.L.C., N.F.P.A., AND OTHER CODES, AS REQUIRED. ALL ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH BASE BUILDING STANDARDS AND CLIENT'S REQUIREMENTS.

COMPLETION OF CONTRACT
1. ALL EQUIPMENT MUST BE INSTALLED AS PER MANUFACTURER RECOMMENDATION, CLEANED AND TESTED BEFORE FINAL ACCEPTANCE BY CONSULTANT.
2. THE CONTRACTOR MUST CORRECT ALL DEFICIENCIES AS SPECIFIED ON THE DEFICIENCY LIST ISSUED BY THE CONSULTANT/CLIENT.

DUPLEX RECEPTACLES: SIDE OR BACK WIRED, RATED 15A, 125V, "U"-GROUND, HUBBELL CATALOGUE NO. 526Z, PASS & SEYMOUR CATALOGUE NO. 526Z. SPLIT RECEPTACLES, SAME AS DUPLEX RECEPTACLES, EXCEPT WITH BREAK-OFF LINKS REMOVED.
6. WEATHERPROOF RECEPTACLES, SAME AS DUPLEX RECEPTACLES, EXCEPT WITH SPRING-LOADED COVER PLATES AND KEYS. STANDARD DEPTH 57mm (2.25") TO ACCOMMODATE #12 - #4 CORD, FLAME RETARDANT POLYCARBONATE IN GREY FINISH. TAYMAC CATALOGUE NO. 10310 OR APPROVED EQUIVALENT.

DATA/VOICE SPECIFICATION

MATERIALS AND INSTALLATION

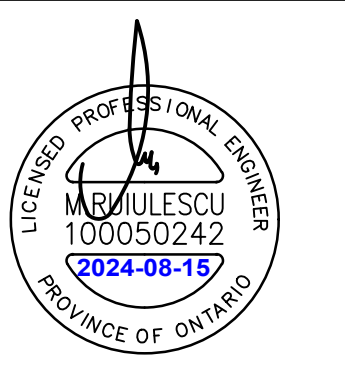
HORIZONTAL CABLING
1. PROVIDE AND INSTALL ALL HORIZONTAL DATA CABLING AS INDICATED. HORIZONTAL DATA CABLES SHALL BE 4-PAIR, UTP, 23 AWG, CMR/CMF, FT6/FT4 FIRE RATED, CERTIFIED TO EIA/TIA CATEGORY 6A SPECIFICATIONS, AND BLUE IN COLOUR. THE FULL END TO END 100 METER CHANNEL THAT INCLUDES A WORST CASE OF FOUR TERMINATIONS (INCLUDING CONSOLIDATION POINT AND CROSS CONNECTION) MUST MEET ALL OF THE CRITERIA (AS A MINIMUM) AS DEFINED IN SECTION 1.6. THE CHANNEL PERFORMANCE SPECIFICATIONS ALL OF THE PARAMETERS IN SECTION 1.6 MUST BE TESTED (AND PUBLISHED) UP TO AND INCLUDING 500 MHZ AND WARRANTABLE UP TO AND INCLUDING 5000MHZ FOR A MINIMUM PERIOD OF 20 YEARS.

RISER CABLING - FIBRE OPTICS (N/A)

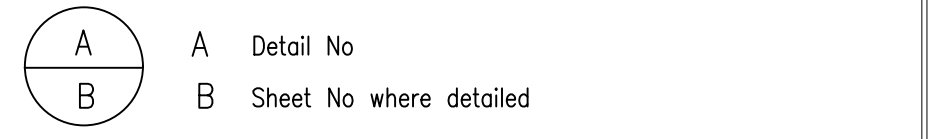
MULTI-MODE FIBRE OPTIC CABLE SHALL CONSIST OF MINIMUM 12 STRANDS (24 STRANDS PREFERRED) MULTI-MODE FIBRE OPTIC WHICH SHALL BE TIGHT-BUFFERED, DUAL-WINDOW, GRADED-INDEX OPTICAL FIBRE WITH A NOMINAL 50µM CORE/CLADDING DIAMETER.
2. THE MULTI-MODE FIBRES CABLE SHALL MEET REQUIREMENTS FOR FODI AND IBM CHANNEL EXTENDER WITH MINIMUM PERFORMANCE PARAMETERS AS DETAILED IN THE FOLLOWING TABLE:
PARAMETER MAXIMUM INDIVIDUAL ATTENUATION (DB/KM) 850NM 1300NM TYPICAL ATTENUATION (@23°C) 2.9 0.9 MINIMUM BANDWIDTH - 3DB OPTICAL (MHZ-KM) 1500 500



Table with 3 columns: Item, Description, Date. Includes rows for R00, RP4, RP3, RP2 issued for permit/tender and client review.



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Infrastructure Ontario logo. Ministry PSF Number. Project: SERVICE ONTARIO - REDESIGN.

Location: 47 SHEPPARD AVENUE EAST NORTH YORK, ONTARIO. IO Project No: 230567-274329 Site No: N12345 Building No: B20289.

Client: BGIS. Drawing Title: ELECTRICAL, DATA/VOICE SPECIFICATION. Scale: N.T.S. Project Start Date: 20240521. Drawn by: S.M. Substantial Performance Date: TBD. Designed by: R.P. Drawing No: E002. Approved by: M.R. Floor No: 0. CAD File Name: AE-24077-DRAW-E001-E006-R02.

R00	ISSUED FOR PERMIT/TENDER	2024-08-15
RP4	ISSUED FOR 99% CLIENT REVIEW	2024-07-26
RP3	RE-ISSUED FOR 33% CLIENT REVIEW	2024-07-12
RP2	ISSUED FOR 33% CLIENT REVIEW	2024-07-05

No	Revisions	Date
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Orientation

Seal

The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A	A Detail No
B	B Sheet No where detailed



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Ministry PSF Number

Project **SERVICE ONTARIO - REDESIGN**

Location
**47 SHEPPARD AVENUE EAST
NORTH YORK, ONTARIO**
IO Project No: 230567-274329 Site No: N12345 Building No: B20289

Client **BGIS**

Drawing Title
**PROPOSED LIGHTING LAYOUT,
LEGEND & NOTES**

Scale: **3/16"=1'-0"** Project Start Date: **20240521**

Drawn by: **S.M.** Substantial Performance Date: **TBD**

Designed by: **R.P.** Drawing No: **E003**

Approved by: **M.R.** Floor No: **1** of **12**

CADD File Name: **AE-24077-DRAW-E001-E006-R00**

LIGHTING & LIFE SAFETY NOTES

- GENERAL**
 - CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE 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. CONNECT THE NEW LIGHTS TO THE LIGHTING CIRCUITS PREVIOUSLY USED.
 - ALL FIXTURES SHALL 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 REMIRING OF EMERGENCY LIGHTING. CONTRACTOR TO MAKE SURE INSTALLATION IN A COMPLIANCE WITH THE OESC AND APPLICABLE CODES AND STANDARDS.
- LIGHTING CONTROL**
 - PROVIDE WALL MOUNTED LIGHTING SWITCHES AS INDICATED. REWIRE EXISTING LIGHT CONTROLS TO ACCOMMODATE THE NEW LAYOUT. CLEAN AND RETEST THE SALVAGED ITEMS PRIOR INSTALLATIONS.
 - CONNECT THE NEW LIGHTING FIXTURES TYPE 'A' TO THE LIGHTING CIRCUITS USED AT THE SAME AREA.
- LIFE SAFETY SYSTEM**
 - EXISTING FIRE ALARM SYSTEM AND DEVICES TO REMAIN.
 - REINSTALL BACK THE SALVAGED EXIT SIGNS AND EMERGENCY LIGHTING REMOTE HEADS AS SHOWN. CLEAN AND RETEST PRIOR INSTALLATION.
 - RECONNECT THE SALVAGED EXIT SIGNS AND REMOTE HEADS BACK TO THE EXISTING CIRCUITS PREVIOUSLY USED. LABEL CCTS NUMBER OF EMERGENCY FEEDER ON EXIT SIGNS.

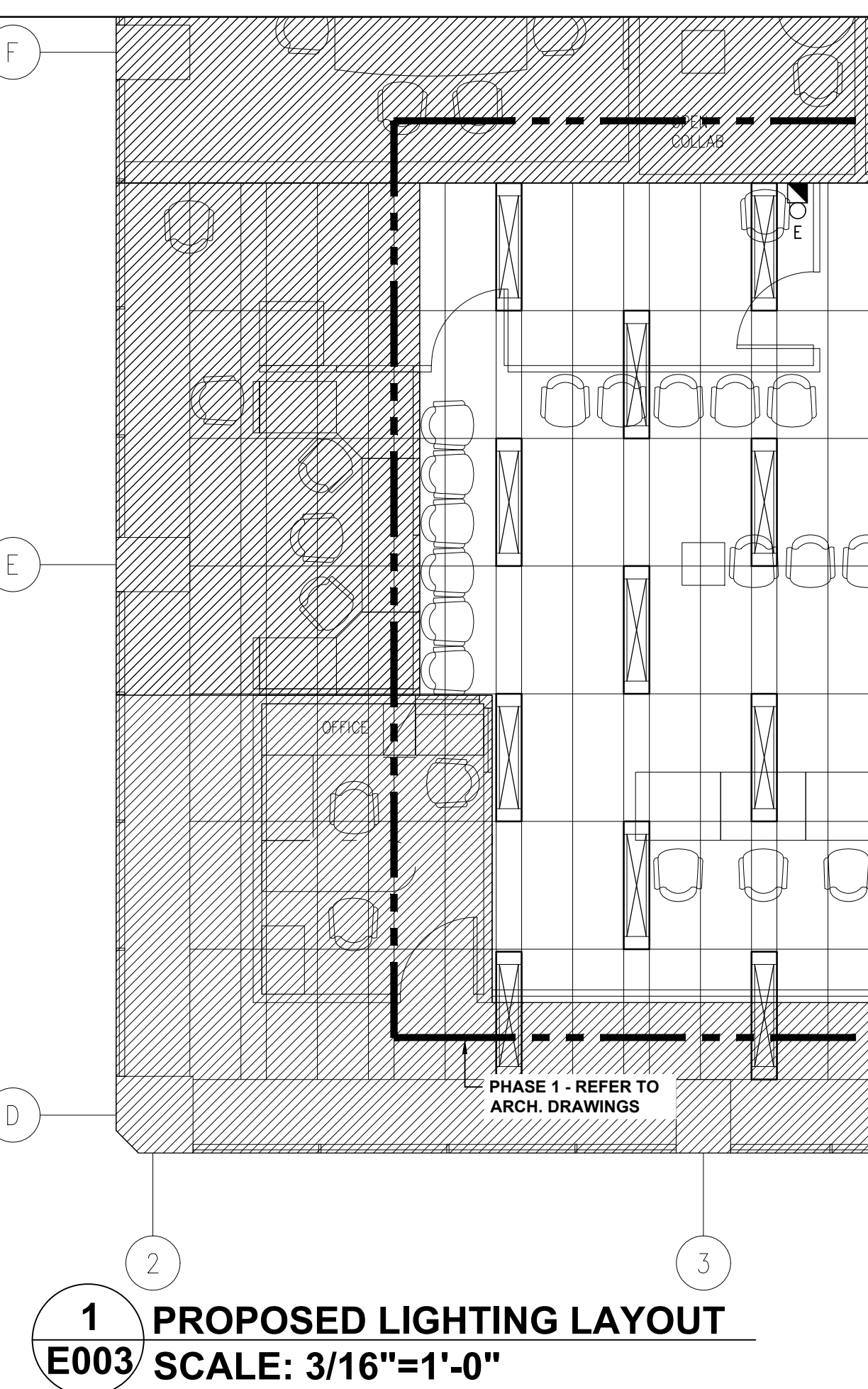
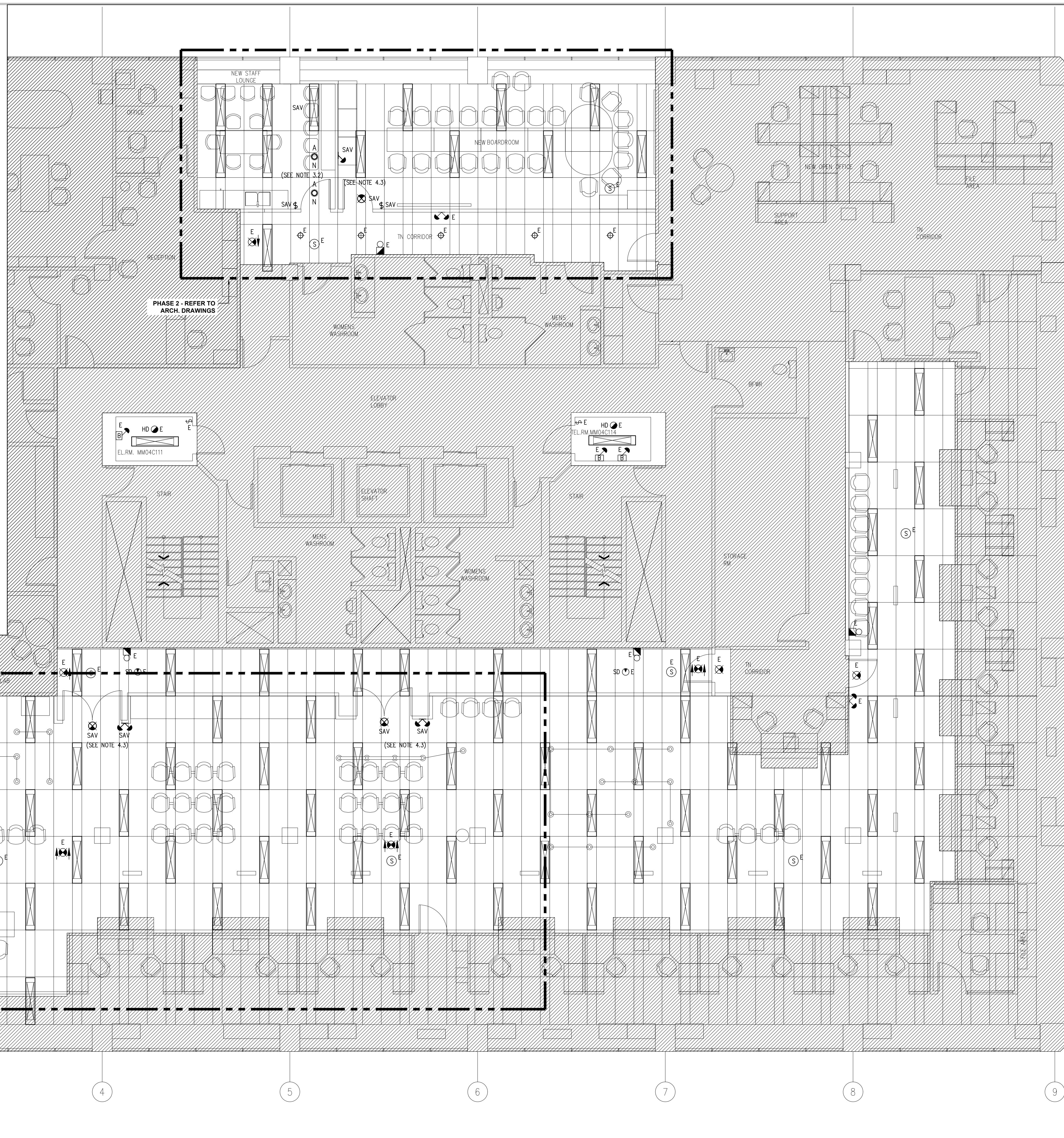
LIGHTING LEGEND

SYMBOL	DESCRIPTION
	EXISTING LIGHTING FIXTURE TO REMAIN
	NEW LED POT LIGHTING FIXTURE
	EXISTING LIGHTING FIXTURE TO REMAIN
	WALL MOUNTED LIGHTING SWITCH
	ONE OR TWO FACE EXIT LIGHT. (ARROWS DENOTE EXIT DIRECTION)
	WALL MOUNTED REMOTE EMERGENCY LIGHTING FIXTURE SINGLE/DOUBLE HEAD
	CEILING MOUNTED REMOTE EMERGENCY LIGHTING FIXTURE SINGLE/DOUBLE HEAD
	COMBINATION OF EXIT AND DOUBLE HEAD EMERGENCY EXIT LIGHT, C/W BATTERY AND BATTERY CHARGER
	REMOTE EMERGENCY LIGHTING FIXTURE-SINGLE/DOUBLE HEAD C/W BATTERY CHARGER
	FIRE ALARM BELL
	SMOKE DETECTOR
	HEAT DETECTOR
	FIRE ALARM SPEAKER

ABBREVIATIONS	
E	EXISTING TO REMAIN
N	DENOTES NEW
SAV	SALVAGED FROM REMOVED ITEMS

LUMINAIRE SCHEDULE

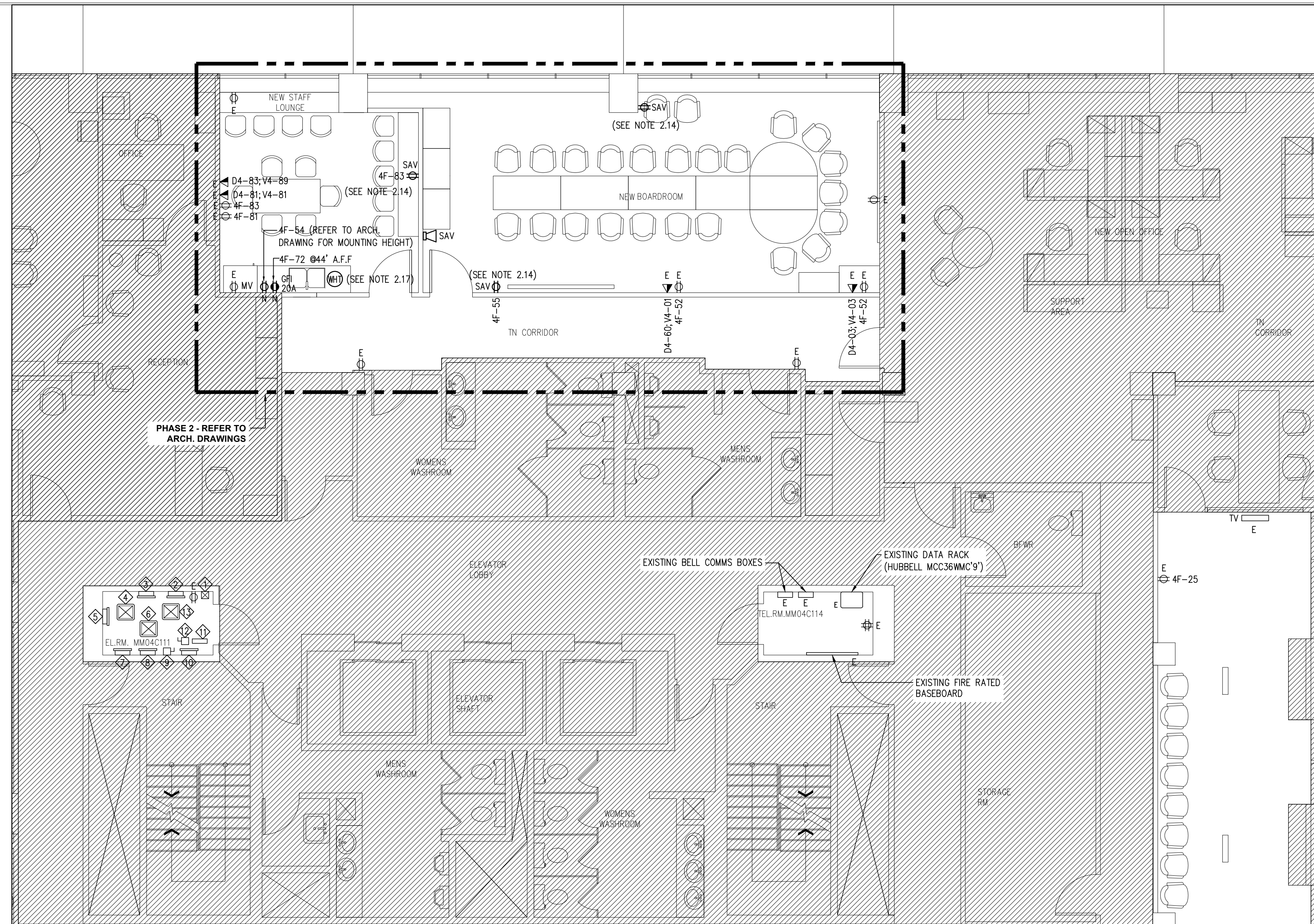
TYPE	QTY	LAMP TYPE	LUMEN	VOLTAGE	DESCRIPTION	MANUFACTURER
A	1	LED 10-25W	900-2000	120-347V	6" LED POT LIGHT, 3000-4000K, UNIVERSAL COMMERCIAL-CDU,	STAMPRO CAT#: CDU6R-PS4Q/3CW



1 PROPOSED LIGHTING LAYOUT
E003 SCALE: 3/16"=1'-0"

POWER/DATA/VOICE NOTES

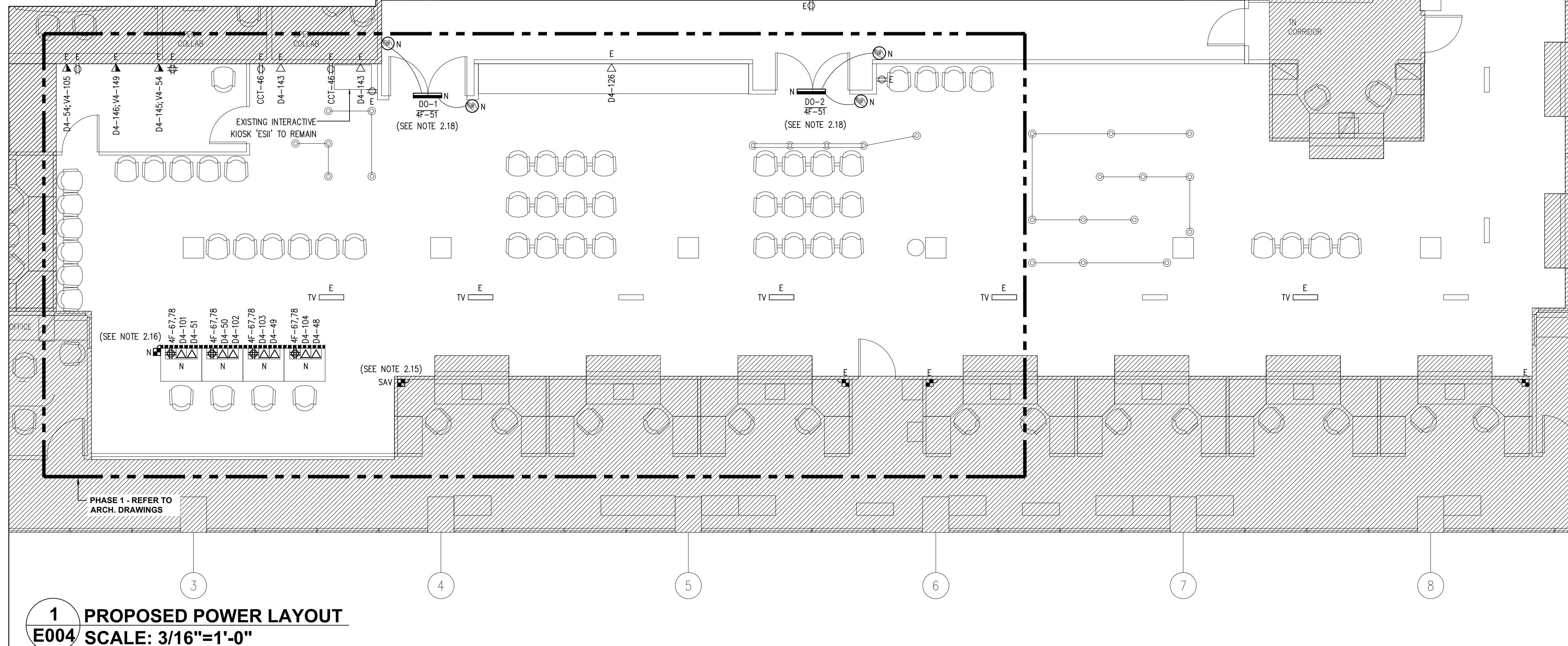
1. GENERAL NOTES
- 1.1 THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL DRAWINGS CAREFULLY TO DETERMINE THE EXTENT OF THE WORK IN THE EXISTING BUILDING. EXAMINE THE SITE AND DETERMINE AND INCLUDE IN THE TOTAL PRICE OF THE TOTAL COST OF LABOUR AND MATERIAL FOR ALL ITEMS AS SPECIFIED OR INDICATED ON THE DRAWINGS.
- 1.2 NO ALLOWANCE WILL BE MADE FOR OBVIOUS CONSIDERATIONS WHICH MAY HAVE BEEN OVERLOOKED.
- 1.3 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.
- 1.4 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.
- 1.5 WIRING, 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.
- 1.6 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 CONSTRUED AS TO BE IN CONFLICT WITH ANY SUCH LAWS.
- 1.7 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.
- 1.8 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.
- 1.9 ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO THE CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
- 1.10 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.
- 1.11 CONTRACTOR SHALL ENSURE THAT ALL REFUSE IS REMOVED ON A DAILY BASIS AND THAT JOB SITE IS MAINTAINED IN AN ORDERLY AND SAFE CONDITION.
- 1.12 CONTRACTOR SHALL COORDINATE ACCESS TO SITE AND DELIVERY AND REMOVAL OF GOODS WITH LANDLORD.
- 1.13 ALL WORK SHALL BE SCHEDULED AND COORDINATED TO AVOID ANY CONFLICTS WITH OTHER TRADES DURING OR AFTER CONSTRUCTION.
- 1.14 PROVIDE TEMPORARY ELECTRICAL POWER FOR THE WORK OF THIS TRADE AND OTHER TRADES AS REQUIRED BY GENERAL CONTRACTOR OR OWNER.
2. POWER/DATA/VOICE
- 2.1 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.
- 2.2 VERIFY ON SITE FOR EXISTING MECHANICAL EQUIPMENT WIRING AND PROTECTION CONDITION. PROVIDE NEW WIRING AND FUSES/CBS FOR NEW EQUIPMENT.
- 2.3 PROVIDE A SEPARATE NEUTRAL AND A SEPARATE GROUND WIRE FOR EACH ISOLATED GROUND CIRCUIT.
- 2.4 PROVIDE SEPARATE NEUTRAL WIRE FOR EACH DEDICATED CIRCUIT.
- 2.5 TO PREVENT SOUND TRANSFER, STAGGER OUTLETS AN EITHER SIDE OF A PARTITION, DO NOT LOCATE BACK TO BACK.
- 2.6 ALL NEW EQUIPMENT TO BE LABELED. PROVIDE PANEL DIRECTORIES FOR NEW PANELS.
- 2.7 ENSURE THAT ALL OUTLETS ARE ACTIVE UPON COMPLETION OF THE PROJECT.
- 2.8 ALL NEW OUTLETS TO BE INSTALLED AT HEIGHT TO MATCH EXISTING. OUTLETS TO BE GANGED WHEREVER POSSIBLE WITH A MINIMUM SPACING BETWEEN COVERPLATES.
- 2.9 TERMINATE ALL NEW DATA CABLES TO THE EXISTING DATA RACK. COORDINATE WITH BASE BUILDING IT CONTRACTORS
- 2.10 ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE ANY WORK IS BEGUN.
- 2.11 CONTRACTOR IS REQUIRED TO PROVIDE CONDUIT AND PULL STRINGS FOR ALL VOICE AND DATA OUTLETS AS INDICATED ON THE PLAN.
- 2.12 ELECTRICAL TRADE IS TO ENSURE THAT ELECTRICAL CONNECTIONS FOR OFFICES AND ANY EQUIPMENT MEET ALL EQUIPMENT SPECIFICATIONS.
- 2.13 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAKING GOOD ANY SURFACES OR FINISHES DAMAGED AS A RESULT OF ALTERATIONS.
- 2.14 CONTRACTOR TO CLEAN AND RETEST ALL SALVAGED ITEMS (RECEPTACLES) PRIOR INSTALLATION. IF REQUIRED REPLACE WITH THE NEW ONE TO MATCH EXISTING.
- 2.15 CONTRACTOR TO REINSTALL AT THE NEW LOCATION THE SALVAGED POWER POLE CONNECTION TO THE EXISTING WICKETS SYSTEM FURNITURE C/W WHIP COMPOSED OF POWER/DATA/VOICE AND RECONNECT ALL WICKET OUTLETS BACK TO THE CIRCUITS PREVIOUSLY USED. EXTEND THE WIRING/CONDUITS, AS REQUIRED.
- 2.16 CONTRACTOR TO PROVIDE AND INSTALL NEW POWER POLE C/W POWER/DATA WHIP FROM THE CEILING TO THE NEW SELF-SERVE STATIONS, AS INDICATED. REUSE THE EXISTING DATA/POWER CABLES FROM THE REMOVED WICKETS (EXTEND EXISTING POWER/DATA CABLES AND CONDUITS WHERE NEEDED, TO ACCOMMODATE PROPOSED LAYOUT) RETEST AND LABEL ACCORDINGLY. COORDINATE WITH THE BASE BUILDING IT CONTRACTOR ON THE IT REQUIREMENTS FOR THE NEW SELF-SERVE STATIONS. INCLUDE FOR THE NEW WIRING/CONDUITS, AS REQUIRED.
- 2.17 CONTRACTOR TO PROVIDE POWER SUPPLY 120V FOR THE NEW HOT WATER TANK UNIT (REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND SPEC.) FROM THE NEAREST AVAILABLE ELECTRICAL PANEL. SUPPLY AND INSTALL NEW CIRCUIT BREAKER 15A/1P AND ALL WIRING/CONDUITS, DISCONNECT, AS REQUIRED.
- 2.18 CONTRACTOR TO PROVIDE NEW AUTOMATIC DOUBLE DOORS OPERATORS (C/W HOLD-OPEN SWITCHES) C/W WAVE SENSOR SWITCHES ON BOTH SIDES OF THE WALL. PROVIDE POWER SUPPLY FROM EXISTING ELECTRICAL PANEL C/W NEW CIRCUIT BREAKER AND ALL REQUIRED WIRING/CONDUITS, AS INDICATED. DOORS LOCK TO MATCH EXISTING BASE BUILDING LOCKSMITH.



ELECTRICAL ROOM (MM04C111) LEGEND	
No.	DESCRIPTION
1	EXISTING UPPER POWER SYSTEM SURGE PROTECTION DEVICE (CUTLER HAMMER) TO REMAIN
2	EXISTING ELECTRICAL PANEL 'RP-4F' 225A, 120/208V, 3φ, 4W, 84 CCTS. TO REMAIN
3	EXISTING ELECTRICAL PANEL 'ERP-40' 100A, 120/208V, 3φ, 4W, 240A, 20 CCTS. TO REMAIN
4	EXISTING TRANSFORMER 'POLYGON' 600/208V, 3φ, 4W, Δ/Y, 30KVA TO REMAIN
5	EXISTING EMERGENCY PANEL, 100A, 347/600V, 3φ, 4W, 16 CCTS. TO REMAIN
6	EXISTING TRANSFORMER 'MARCUS' 600/208V, 3φ, 4W, Δ/Y, 30KVA TO REMAIN
7	EXISTING ELECTRICAL PANEL 'RP-4B' 225A, 120/208V, 3φ, 4W, 42 CCTS. TO REMAIN
8	EXISTING ELECTRICAL PANEL 'RP-4B1' 225A, 120/208V, 3φ, 4W, 30 CCTS. TO REMAIN
9	EXISTING DISCONNECT SWITCH 60A, 600V (CUTLER HAMMER) TO REMAIN
10	EXISTING LIGHTING ELECTRICAL PANEL 'LP-4A' 225A, 347/600V, 3φ, 4W, 22 CCTS. C/W LIGHTING SWITCH TO REMAIN
11	EXISTING LIGHTING CONTROL PANEL 'SP' LCS-2
12	EXISTING DISCONNECT SWITCH 30A TO REMAIN
13	EXISTING TRANSFORMER #1, 600/208V, 54KVA, 3φ, 4W FED FROM RP-RA-1, 3, 5, (REX MANUFACTURING) TO REMAIN

POWER LEGEND	
SYMBOL	DESCRIPTION
	WALL MOUNTED DUPLEX RECEPTACLE
	WALL MOUNTED QUADRUPLEX RECEPTACLE
	WALL MOUNTED GROUND FAULT INTERRUPTER RECEPTACLE
	WALL MOUNTED DATA OUTLET
	WALL MOUNTED COMBINATION DATA/VOICE OUTLET
	FURNITURE INTEGRATED OUTLETS C/W QUAD POWER/2 DATA CONNECTIONS
	POWER POLE CONNECTION TO SYSTEM FURNITURE COMPOSED OF POWER/DATA/VOICE, C/W WHIP. NUMBER OF CIRCUITS AS INDICATED ON PLAN.
	PRE-WIRED POWERED SYSTEM FURNITURE C/W WIRES MANAGERS
	AUTOMATIC DOUBLE DOOR OPERATOR (C/W HOLD OPEN SWITCH)
	WAVE SWITCH SENSOR FOR AUTOMATIC DOOR OPERATOR
	DOOR BELL HORN
	HOT WATER TANK

ABBREVIATIONS	
Symbol	Description
E	EXISTING TO REMAIN
N	DENOTES NEW
SAV	SALVAGED FROM REMOVED ITEMS
MV	MICROWAVE



1 PROPOSED POWER LAYOUT E004 SCALE: 3/16"=1'-0"



R00	ISSUED FOR PERMIT/TENDER	2024-08-15
RP4	ISSUED FOR 99% CLIENT REVIEW	2024-07-26
RP3	RE-ISSUED FOR 33% CLIENT REVIEW	2024-07-12
RP2	ISSUED FOR 33% CLIENT REVIEW	2024-07-05
No	Revisions	Date

Orientation

Seal

The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A	A Detail No
B	B Sheet No where detailed

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Ministry PSF Number

Project **SERVICE ONTARIO - REDESIGN**

Location **47 SHEPPARD AVENUE EAST NORTH YORK, ONTARIO**
IO Project No **230567-274329** Site No **N12345** Building No **B20289**

Client **BGIS**

Drawing Title **PROPOSED POWER LAYOUT, LEGEND & NOTES**

Scale 3/16"=1'-0"	Project Start Date 20240521
Drawn by S.M.	Substantial Performance Date TBD
Designed by R.P.	Drawing No E004
Approved by M.R.	Floor No 1

of 12

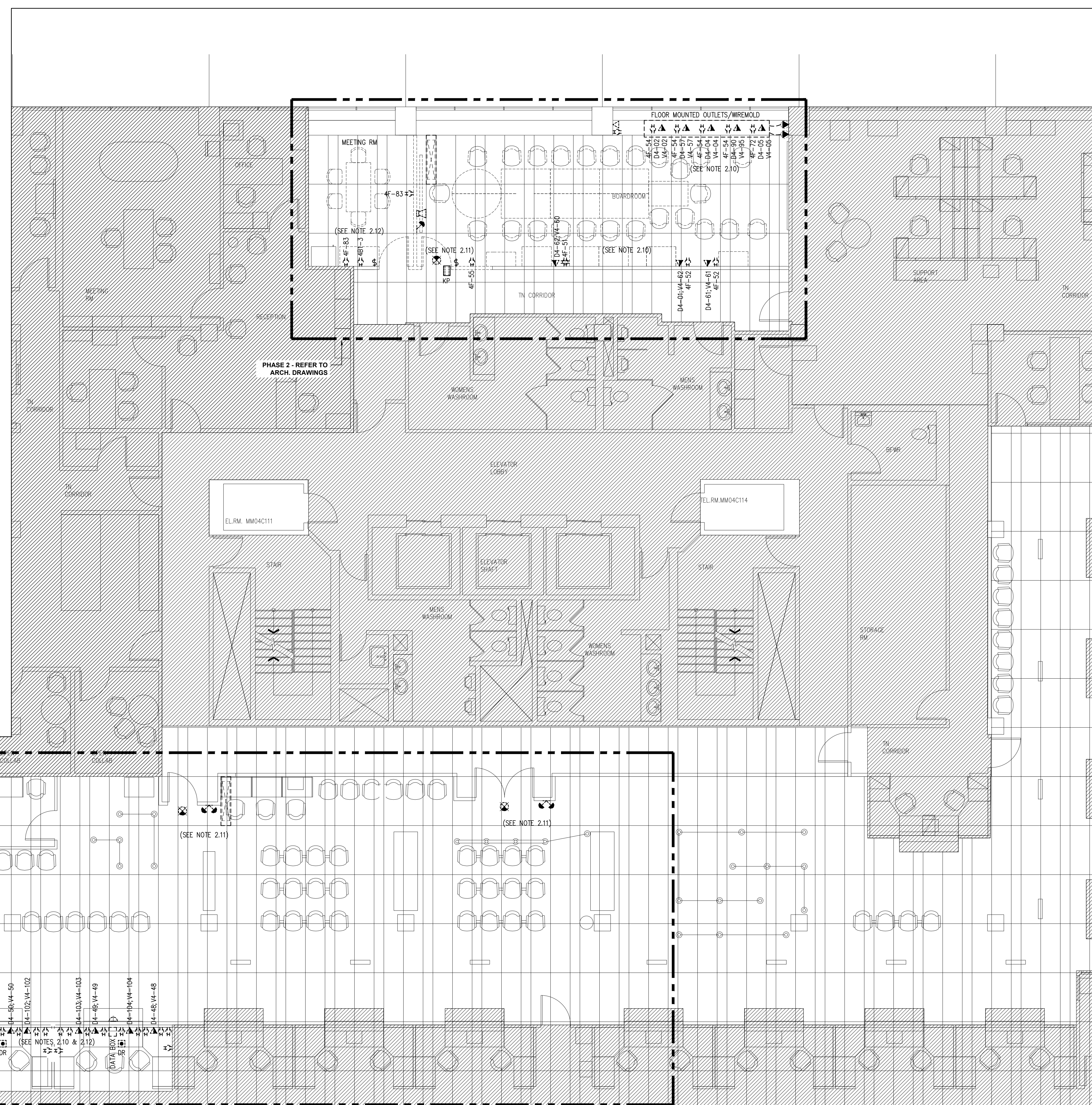
CADD FILE NAME: **AE-24077-DRAW-E001-E006-R00**

DEMOLITION SPECIFICATION

1. GENERAL
- 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.
- 1.1 NO ALLOWANCE WILL BE MADE FOR OBVIOUS CONSIDERATIONS WHICH MAY HAVE BEEN OVERLOOKED.
- 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.
- 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.
- 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, 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. ALL EXISTING WIRING NOT REMOVED SHALL BE DISCONNECTED, BLANKED-OFF AND MADE 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 CONSTRUED AS TO BE IN CONFLICT WITH ANY SUCH LAWS.
- 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.
- 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.
- 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.
- 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.
- 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.
- 1.11 CONTRACTOR SHALL COORDINATE ACCESS TO SITE AND DELIVERY AND REMOVAL OF GOODS WITH LANDLORD.
- 1.12 ALL WORK SHALL BE SCHEDULED AND COORDINATED TO AVOID ANY CONFLICTS WITH OTHER TRADES DURING OR AFTER CONSTRUCTION.
- 1.13 PROVIDE TEMPORARY ELECTRICAL POWER FOR THE WORK OF THIS TRADE AND OTHER TRADES AS REQUIRED BY GENERAL CONTRACTOR OR OWNER.
2. DEMO
- 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.
- 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.
- 2.3 GENERAL CONTRACTOR SHALL REMOVE ALL NECESSARY CEILING TILES TO ALLOW DEMOLITION OF MECHANICAL AND ELECTRICAL SERVICES.
- 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.
- 2.5 REMOVE EXISTING OUTLETS NOT TO BE REUSED, PULL WIRES BACK TO RESPECTIVE PANEL AND MAKE SAFE.
- 2.6 REMOVE ALL EXISTING TO BE REMOVED PHONE AND DATA CABLES BACK TO PANELS.
- 2.7 THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAKING GOOD ANY SURFACES OR FINISHES DAMAGED AS A RESULT OF DEMOLITION.
- 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.
- 2.9 CONTRACTOR TO REMOVE EXISTING WIRING FEEDING EXISTING RECEPTACLES TO BE DEMOLISHED. TRACE POWER OUTLET CIRCUITS BEFORE STARTING ANY DEMOLITION WORK.
- 2.10 CONTRACTOR TO MARK ALL AVAILABLE C.B. AFTER DEMOLITION WORK AS SPARE BREAKERS FOR FUTURE USE. PULL THE DATA/VOICE CABLES UP IN CEILING SPACE AND MAKE SAFE FOR FUTURE REUSE.
- 2.11 REMOVE EXISTING EXIT SIGNS AND REMOVE HEADS, AS INDICATED. PROTECT EXIT SIGNS FEEDERS DURING DEMOLITION. REUSE FEEDERS FOR SALVAGED EXIT SIGNS AND REMOVE HEADS. REFER TO DRAWING E003.
- 2.12 DISCONNECT AND MAKE SAFE POWER CIRCUITS FEEDING THE EXISTING POWER OUTLETS. THE POWER CIRCUITS TO BE REUSED TO FEED SALVAGED, RELOCATED AND NEW INSTALLED POWER RECEPTACLES AT THE NEW LOCATIONS. REFER TO PROPOSED POWER LAYOUT E004. ELECTRICAL PANEL SCHEDULES TO BE UPDATED ACCORDINGLY.

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	EXISTING QUEUE SYSTEM SIGNALING LIGHT TO BE REMOVED
	EXISTING WALL MOUNTED DUPLEX RECEPTACLE TO BE REMOVED
	EXISTING WALL MOUNTED QUADRUPLUX RECEPTACLE TO BE REMOVED
	EXISTING WALL MOUNTED DATA & TEL RECEPTACLE TO BE REMOVED
	EXISTING BELL HORN TO BE REMOVED AND REINSTALLED
	EXISTING WALL MOUNTED LIGHTING SWITCH TO BE REMOVED AND REINSTALLED
	EXISTING ONE OR TWO FACE EXIT LIGHT TO BE REMOVED AND REINSTALLED
	WALL MOUNTED REMOTE EMERGENCY LIGHTING FIXTURE SINGLE/DOUBLE HEADS TO BE REMOVED AND REINSTALLED
	POLE CONNECTION TO THE EXISTING WICKETS SYSTEM FURNITURE COMPOSED OF POWER/DATA/VOICE C/W WHIP, TO BE REMOVED AND REINSTALLED
	EXISTING LIGHTING FIXTURE TO BE REMOVED AND REINSTALLED
	EXISTING DOOR LOCK WITH KEYPAD TO BE REMOVED
	EXISTING DURESS BUTTON TO BE REMOVED (COORDINATE WITH BASE BUILDING SECURITY)



1 DEMOLITION LAYOUT
E005 SCALE: 3/16"=1'-0"



No	Revisions	Date
RP0	ISSUED FOR PERMIT/TENDER	2024-08-15
RP4	ISSUED FOR 99% CLIENT REVIEW	2024-07-26
RP3	RE-ISSUED FOR 33% CLIENT REVIEW	2024-07-12
RP2	ISSUED FOR 33% CLIENT REVIEW	2024-07-05

Orientation

Seal

The Contractor shall check and verify all dimensions and report all errors and omissions to the 10-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A	A Detail No
B	B Sheet No where detailed

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Ministry PSF Number

Project **SERVICE ONTARIO - REDESIGN**

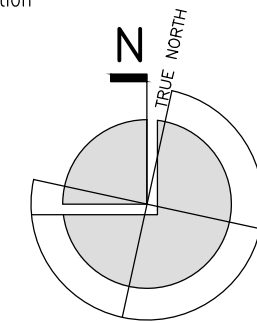
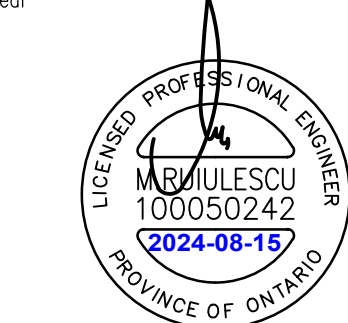
Location **47 SHEPPARD AVENUE EAST
 NORTH YORK, ONTARIO**

ID Project No **230567-274329** Site No **N12345** Building No **B20289**

Client **BGIS**

Drawing Title DEMOLITION LAYOUT, DEMOLITION SPECIFICATION LEGEND	Project Start Date 20240521
Scale 3/16"=1'-0"	Substantial Performance Date TBD
Drawn by S.M.	Designed by R.P.
Approved by M.R.	Drawing No E005
	Floor No 1
	of 12

R00	ISSUED FOR PERMIT/TENDER	2024-08-15
RP4	ISSUED FOR 99% CLIENT REVIEW	2024-07-26
RP3	RE-ISSUED FOR 33% CLIENT REVIEW	2024-07-12
RP2	ISSUED FOR 33% CLIENT REVIEW	2024-07-05

Orientation  Seal 

The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

- A Detail No
- B Sheet No where detailed



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Ministry PSF Number

Project
SERVICE ONTARIO - REDESIGN

Location
**47 SHEPPARD AVENUE EAST
NORTH YORK, ONTARIO**

IO Project No: **230567-274329** Site No: **N12345** Building No: **B20289**

Client
BGIS

Drawing Title
PANEL SCHEDULE

Scale N.T.S.	Project Start Date 20240521
Drawn by S.M.	Substantial Performance Date TBD
Designed by R.P.	Drawing No E006
Approved by M.R.	Floor No 1 of 12

PANEL 'RP-4F'		MAINS:		225 AMPS SURFACE		LOCATION:	
120V/208V, 3φ, 4W		MOUNTING:				4TH FLOOR ELECTRICAL ROOM	
DESCRIPTION	LOAD KW	BKR SIZE	CIRCUITS	BKR SIZE	LOAD KW	DESCRIPTION	
RECEPTACLE -PUBLIC AREA DOOR ENTRANCE	15A	1	2	15A		RECEPT. RM-B425-423, INTERV. RM., MGR.	
WATER COOLER S/W AREA, B424 AREA	15A	3	4	15A		IG RECEPT. RM-B425-423, INTERV. RM. MGR	
FURNITURE FEED B424	15A	5	6	15A		FURN. FEED CUSTOMER SERV. COUNTER B421	
FURNITURE FEED B424	15A	7	8	15A		FURN. FEED CUSTOMER SERV. COUNTER B421	
FURN. FEED CUSTOMER SERV. COUNTER B421	15A	9	10	15A		FURN. FEED CUSTOMER SERV. COUNTER B421	
FURN. FEED CUSTOMER SERV. COUNTER B421	15A	11	12	15A		FURN. FEED CUSTOMER SERV. COUNTER B421	
FURN. FEED CUSTOMER SERV. COUNTER B421	15A	13	14	15A		FURN. FEED CUSTOMER SERV. COUNTER B421	
FURN. FEED CUSTOMER SERV. COUNTER B421	15A	15	16	15A		GEN. PURP. RECEPT. EAST SIDE	
FURN. FEED CUSTOMER SERV. COUNTER B421	15A	17	18	15A		FURN. FEED - GREETING STATION, B419	
RECEPTACLE, SERV. MGR B420	15A	19	20	15A		FURN. FEED - GREETING STATION, B419	
IG RECEPTACLE, SERV. MGR B420	15A	21	22	15A		RECEPTACLE SERV. MGR CCTB-B-42	
RECEPTACLE, CCTV SERV. MGR B420	15A	23	24	15A		RECEPT. INTERVIEW RM. B-415	
FURNITURE FEED - WALL B416	15A	25	26	15A		IG RECEPT. INTERVIEW RM. B-415	
GFI RECEPTACLE BARRIER FREE WASHROOM	15A	27	28	15A		FURN. FEED.- EAST SIDE B416-410	
FURNITURE FEED - EAST SIDE, B416	15A	29	30	15A		FURN. FEED.- EAST SIDE B416-410	
FURNITURE FEED - EAST SIDE, B416	15A	31	32	15A		FURN. FEED.- EAST SIDE B416-410	
EAST SIDE WIREMOLD	20A	33	34	15A		FURN. FEED.- EAST SIDE B416-410	
EAST SIDE WIREMOLD	15A	35	36	15A		FURN. FEED.- N/E CORNER B410	
FURNITURE FEED - N/E CORNER, B410	15A	37	38	15A		FURN. FEED.- N/E CORNER B410	
FURNITURE FEED - N/E CORNER, B410	15A	39	40	15A		FURN. FEED.- N/E AREA B408-410	
GEN. PURP. RECEPT. NORTH CENTRAL AREA	15A	41	42	15A		FURN. FEED.- N/E AREA B408-410	
WATER COOLER - B408-410	15A	43	44	15A		TV'S	
FURN. FEED.- NORTH CENTR. AREA B408-406	15A	45	46	15A		RECEPTACLE	
FURN. FEED.- NORTH CENTR. AREA B408-406	15A	47	48	15A		RECEPT. PROVIDER SERVICE BRANCH, B407	
PRINTER RECEPTION	15A	49	50	15A		GENERAL USE RECEPT. - EXHAUST FAN	
* AUTOMATIC DOOR OPERATOR DO-1 & DO-2	15A	51	52	15A		IG RECEPT. BOARDROOM	
WIREMOLD EAST SIDE	20A	53	54	15A		STAFF LOUNGE MICROWAVE	
FURNITURE FEED TRAINING AREA IG	15A	55	56	15A		RECEPT. - S/E AREA B-419	
FURNITURE FEED TRAINING AREA	15A	57	58	15A		FURNITURE FEED	
IG RECEPTACLE - TRAINING RESOURCE B405	15A	59	60	15A		FURNITURE FEED	
IG RECEPTACLE - B413	15A	61	62	15A		IG RECEPTACLE L.T. STORAGE WORK RM.	
IG RECEPTACLE - B412	15A	63	64	15A		IG RECEPTACLE L.T. STORAGE WORK B414	
RECEPTACLE - B412	15A	65	66	15A			
* SELF-SERVE STATIONS	15A	67	68	2P		A/C CUSTOMER SERVICE CORNER	
BATTERY PACKS	15A	69	70	15A		GFI RECEPT. WASHROOMS	
EXH. FAN, BARRIER FREE, GREETING STATION	15A	71	72	20A		GFI RECEPTACLE 20A STAFF LOUNGE	
IG RECEPTACLE OFFICES 402, 403, 404	15A	73	74	15A		SPARE	
RECEPTACLE OFFICES 402, 403, 404	15A	75	76	15A		SPARE	
IG RECEPTACLE WKST W40 ST., W405B	15A	77	78	15A		SELF-SERVE STATIONS	
RECEPTACLE WKST W405A, W405B	15A	79	80	30A			
IG RECEPTACLE RM 406, WKST W407A, W407B	15A	81	82			CLIPPER POWER SYSTEMS	
RECEPT. RM. 406, W407A, W407B, LOUNGE	15A	83	84	3P			
TOTAL						TOTAL	

* - PROVIDE NEW CIRCUIT BREAKER AS INDICATED AND UPDATE PANEL SCHEDULE ACCORDINGLY