LIST OF DRAWINGS - PROJECT # 24-1008

INTERIOR DESIGN DRAWINGS:

- I-000 GENERAL NOTES DEMOLITION PLAN DEMOLITION CEILING PLAN I-1000 I-1000.1
- I-1001 I-1002 PARTITION PLAN REFLECTED CEILING PLAN
- I-1003 POWER & COMMUNICATION PLAN I-1004 FLOOR FINISH PLAN
- WALL FINISH PLAN I-1005 I-1006 FURNITURE PLAN

I-1008.1 MILLWORK DETAILS

I-1007 DOOR & HARDWARE SCHEDULE, ELEVATIONS I-1008 MILLWORK DETAILS

AUDIO-VISUAL DRAWINGS:

- A-001 AV DRAWING SCHEDULE
- AV DEVICE TYPE, WIRE TYPE, AND POWER AND COMMS SCHEDULES A-002 AUDIO VISUAL (AV)DIVISION OF RESPONSIBILITY A-003 A-110 10TH FLOOR KEY PLAN

MECHANICAL - FIRE PROTECTION NEW FLOOR PLAN

- A-110A 10TH FLOOR AV DEVICE LOCATIONS PLAN AV-110B 10TH FLOOR AV DEVICE LOCATIONS RCP
- AV-210A 10TH FLOOR RISER DRAWING AV-210B 10TH FLOOR RISER DRAWING - CONTINUED

AV-610A MEETING ROOM - 1003 ELEVATIONS & MOUNTING DETAILS MECHANICAL DRAWINGS:

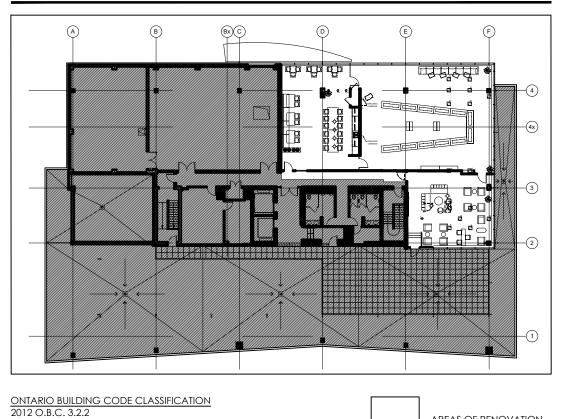
MECHANICAL SPECIFICATIONS M-01 M-02 MECHANICAL - LEGEND & DRAWING LIST M-03 MECHANICAL DETAILS MECHANICAL - HVAC DEMO FLOOR PLAN M-04 MECHANICAL - HVAC NEW FLOOR PLAN M-05

ELECTRICAL DRAWINGS:

M-06

E-001	ELECTRICAL LEGEND & GENERAL NOTES
E-002	ELECTRICAL SPECIFICATIONS
E-003	ELECTRICAL SPECIFICATIONS
E-110	10TH FLOOR DEMOLITION PLAN
E-210	10TH FLOOR DEMOLITION PLAN
E-310	10TH FLOOR POWER & SYSTEMS PLAN
E-601	ELECTRICAL

KEY PLAN (N.T.S)



GROUP D SPRINKLERED <u>AREA OF RENOVATIONS</u> PART 10th FLOOR, 3865 SQ. FT./ 359 SQ. M

AREAS OF RENOVATION

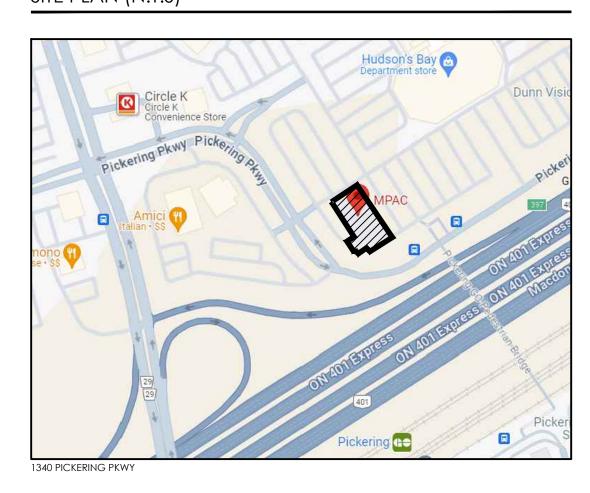
1340 PICKERING PKWY - 10TH FLOOR

SITE PLAN (N.T.S)

MPAC

L1V 0C4

PICKERING, ON



CONTRACT NOTES

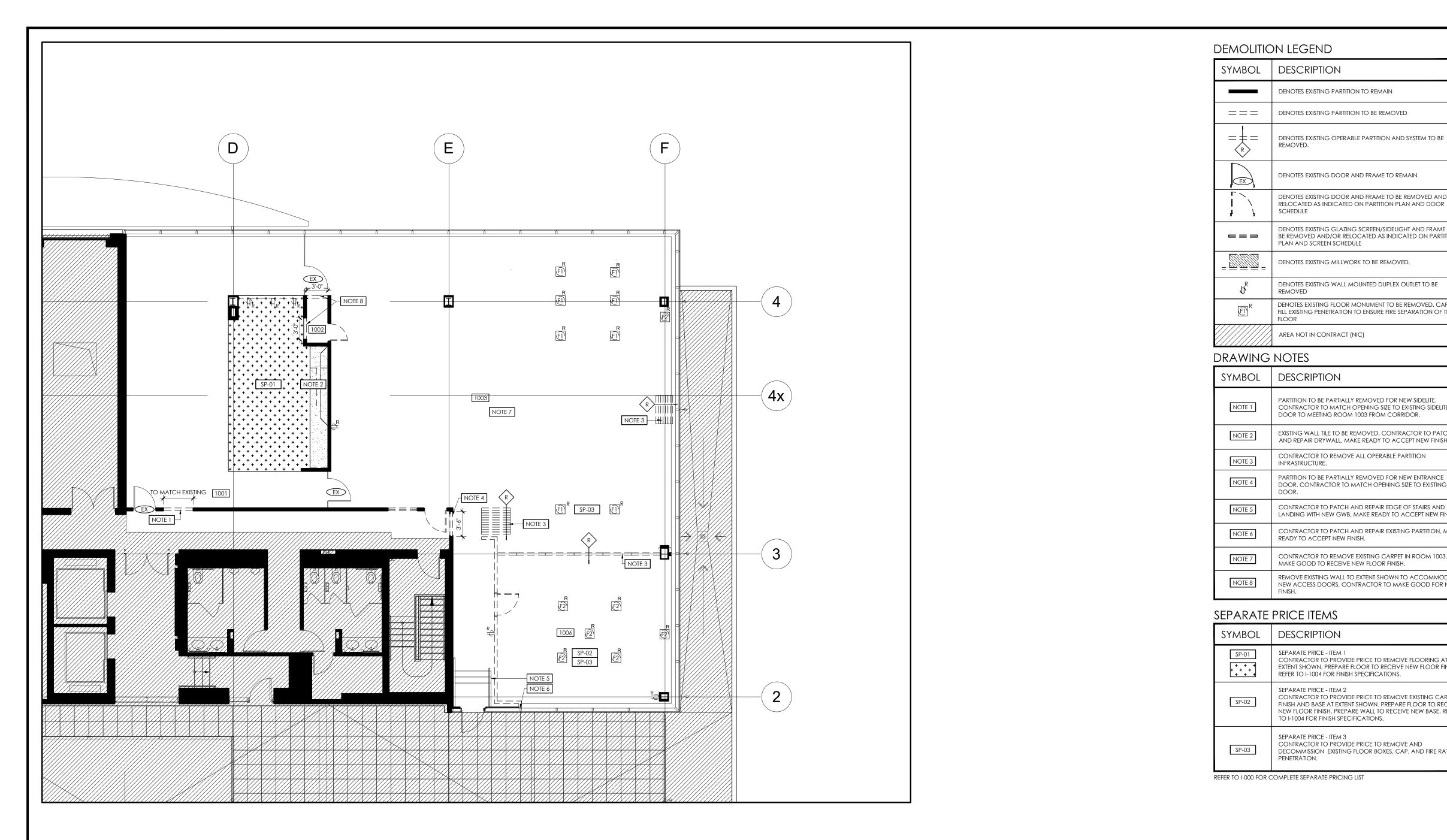
1. DEFINITIONS:

- a. IN ALL PLANS AND OTHER DOCUMENTS, THE TERM "LANDLORD" REFERS TO XXXXXXXXX AND ITS
- REPRESENTATIVES. b. IN ALL PLANS AND OTHER DOCUMENTS ISSUED BY BENNETT DESIGN ASSOCIATES INC., THE TERM
- MEAN MUNICIPAL PROPERTY ASSESSMENT CORPORATION (MPAC) AND/OR ANY DESIGNATED F MUNICIPAL PROPERTY ASSESSMENT CORPORATION (MPAC).
- c. THE TERM "CONTRACTOR" IS TO MEAN ANY PERSON, FIRM OR CORPORATION NAMED AS SUCH CONTRACT HEREIN.
- d. THE TERM "DESIGNER" IS TO MEAN BENNETT DESIGN ASSOCIATES INC., AND ITS DESIGNATED PER
- OF BENNETT DESIGN ASSOCIATES INC.
- e. THE TERM "ENGINEERS" IS TO MEAN MECHANICAL AND ELECTRICAL.
- f. THE TERM "PROJECT MANAGER" IS TO MEAN ANY PERSON, FIRM OR CORPORATION NAMED AS CONSTRUCTION CONTRACT HEREIN.
- . CONTRACT DOCUMENTS:
- a. WHERE DISCREPANCIES OR OMISSIONS ARE BROUGHT TO THE CLIENT'S ATTENTION AFTER CLOSII DETERMINE WHETHER THE MATTER COULD HAVE AND SHOULD HAVE BEEN BROUGHT TO THE CLI CLOSING, AND WHETHER A CLAIM FOR ADJUSTMENTS IS TO BE ALLOWED.
- b. IN THE EVENT OF WORK BEING CARRIED OUT OR COMPLETED BEFORE THE CLIENT IS INFORMED (DISCREPANCY OR OMISSION INVOLVED, PARAGRAPH (A) ABOVE APPLIES AND MUST DETERMIN CORRECTION, ETC. REQUIRED.
- c. THE WORK IS INTENDED TO BE WHOLE AND COMPLETE IN EVERY ASPECT. ABIDE BY AND COMPL MEANING OF THE CONTRACT DOCUMENTS TAKEN AS A WHOLE.
- 3. INSPECTION OF WORK:
- a. THE PROJECT MANAGER IS TO HAVE ACCESS, FOR INSPECTION, OF ALL WORK AT EACH STAGE OF PROGRESS
- b. THE CLIENT IS TO HAVE ACCESS, FOR INSPECTION, OF ALL WORK AT EACH STAGE OF PROGRESS.

- a. CO-ORDINATION OF THE WORK IS TO ENSURE MAXIMUM EFFICIENCY AND SMOOTH PROGRESS

- DESIGNER, CLIENT AND PROJECT MANAGERS.

iract notes	GENERAL NOTES	ABBREVIATIO	DNS
INITIONS:	1. ALL GENERAL NOTES TO BE READ IN CONJUNCTION WITH ALL DESIGN DOCUMENTS. 31. CONTRACTOR TO PROVIDE A LIST OF SUB-CONTRACTOR 2. SHOULD ANY DISCREPANCIES RESULT WITHIN THESE DOCUMENTS OR BETWEEN THESE DRAWINGS AND OTHER 32. CONTRACTOR GUARANTEES ALL WORK TO BE FREE FREE	ABV ABOVE RS, WHOSE COSTS ARE REFLECTED IN THE TENDER DOCUMENT. ADJ ADJUSTAB DM ALL INHERENT DEFECTS IN WORKMANSHIP OR MATERIALS AFF ABOVE FIN	
L PLANS AND OTHER DOCUMENTS, THE TERM "LANDLORD" REFERS TO XXXXXXXXX AND ITS DESIGNATED ESENTATIVES.	CONSULTANTS DRAWINGS, THE CONTRACTOR SHALL REQUEST CLARIFICATION FROM DESIGNER IN WRITING. IF THE AND TO GIVE PROPER AND CONTINUOUS SERVICE UNIT		
. PLANS AND OTHER DOCUMENTS ISSUED BY BENNETT DESIGN ASSOCIATES INC., THE TERM "TENANT/CLIENT" IS TO I MUNICIPAL PROPERTY ASSESSMENT CORPORATION (MPAC) AND/OR ANY DESIGNATED REPRESENTATIVE OF CIPAL PROPERTY ASSESSMENT CORPORATION (MPAC).		NELS IN GWB SURFACES ON SITE PRIOR TO INSTALLATION.	
ERM "CONTRACTOR" IS TO MEAN ANY PERSON, FIRM OR CORPORATION NAMED AS SUCH IN THE CONSTRUCTION TRACT HEREIN.	BUILDING SYSTEMS AND EQUIPMENT DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE REPAIRS OF ANY DAMAGES TO THE BASE BUILDING CAUSED BY THE CONTRACTOR AND/OR BY HIS OR HER SUB-CONTRACTORS.34.CONTRACTOR TO INSTALL ALL PRE-MANUFACTURED CO INSTRUCTIONS.	DBL DOUBLE	
rm "Designer" is to mean bennett design associates inc., and its designated personnel as representative nnett design associates inc.	 BENNETT DESIGN ASSOCIATES SHALL OBTAIN BUILDING PERMIT ON BEHALF OF CLIENT. PRIOR TO COMMENCEMENT OF 35. EXTENDED WARRANTIES: WORK, THE GENERAL CONTRACTOR SHALL PROVIDE COPY OF PERMIT AND DRAWINGS TO CLIENT/OWNER AND LANDLORD. THE GENERAL CONTRACTOR SHALL OBTAIN ALL EQUIP/ 		
rm "Engineers" is to mean mechanical and electrical.	5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TRADES AND SUB-TRADES WITH COPIES OF ALL DRAWINGS PART OF THIS CONTRACT. NO PARTIAL DRAWINGS WILL BE DISTRIBUTED WITHOUT DIRECTION FROM SPECIAL CONDITIONS ATTACHED TO THEM.	LOWING IS A COMPILATION OF WARRANTIES WHICH EXTEND DR DOOR LE GENERAL CONDITIONS OF THIS CONTRACT OR WHICH HAVE DWG DRAWING	
IRUCTION CONTRACT HEREIN.	SPECIFICATIONS OR ELSEWHERE IN THE CONTRACT DO		BENNETT DESIGN
DISCREPANCIES OR OMISSIONS ARE BROUGHT TO THE CLIENT'S ATTENTION AFTER CLOSING, THE CLIENT IS TO	ALL WORK IN THIS CONTRACT SHALL CONFORM TO LOCAL BUILDING CODES, INCLUDING ALL AMENDMENTS AND PRODUCTIONS SPECIFIED FOR THE WORK WITHOUT SAIL DOCUMENTS.	EQUIP EQUIPMEN EX EXISTING	π 10 Douglas Road Uxbridge, ON. L9P 1S9
AINE WHETHER THE MATTER COULD HAVE AND SHOULD HAVE BEEN BROUGHT TO THE CLIENT'S ATTENTION PRIOR TO IG, AND WHETHER A CLAIM FOR ADJUSTMENTS IS TO BE ALLOWED.	AND MATERIALS TO COMPLETE THE WORK. MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR. INSTALLED UNDER THIS CONTRACT PRIOR TO FINAL CER	FLR FLOOR	Tel . 905.852.4617 bennettdesign.ca
VENT OF WORK BEING CARRIED OUT OR COMPLETED BEFORE THE CLIENT IS INFORMED OR AWARE OF A PANCY OR OMISSION INVOLVED, PARAGRAPH (A) ABOVE APPLIES AND MUST DETERMINE THE EXTENT OF CTION, ETC. REQUIRED.	THE CONTRACTOR IS TO STORE ALL MATERIALS AND/OR EQUIPMENT IN A SECURE AREA PROVIDED BY THE LANDLORD/TENANT. THE CONTRACTOR IS TO BE DESPONSIBLE FOR ALL DAMAGES TO SUPPLICES ENJISHES AND MATERIALS DUE TO WORK DESCRIPTION: EXTENSION OF WARRANTY:	THER LISTED IN THIS SUMMARY OR NOT. FLUORESC FT FEET (FOOT GAL GAL GAL	T)
RK IS INTENDED TO BE WHOLE AND COMPLETE IN EVERY ASPECT. ABIDE BY AND COMPLY WITH THE TRUE INTENT AND IG OF THE CONTRACT DOCUMENTS TAKEN AS A WHOLE.	9. THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DAMAGES TO SURFACES, FINISHES AND MATERIALS DUE TO WORK UNDER THIS CONTRACT AND BEAR ALL COSTS INCURRED TO MAKE GOOD, REPAIR OR REPLACE TO THE PROJECT CARPENTRY 3 YEARS MANAGER'S SATISFACTION. MILLWORK 3 YEARS FINISH HARDWARE 3 YEARS	GAL GALLON GALV GALVANIZ GL GLASS GND GROUND	THIS DRAWING IS THE PROPERTY OF BENNETT DESIGN ASSOCIATES INC
ECTION OF WORK:	10.ARRANGEMENTS FOR THE REMOVAL OF ALL GARBAGE AND DEBRIS TO BE MADE BY THE CONTRACTOR TO THE SATISFACTION OF THE LANDLORD. THE CONTRACTOR IS TO ENFORCE DUST CONTROL MEASURES.36.ALL MATERIALS AND SERVICES FURNISHED BY THE CONTRACTOR	GWB GYPSUM V	 VALL BOARD ALL MEASUREMENTS MUST BE VERIFIED ON SITE BY CONTRACTOR AN ANY DISCREPANCIES TO BENNETT DESIGN ASSOCIATES INC. BEFORE
IECT MANAGER IS TO HAVE ACCESS, FOR INSPECTION, OF ALL WORK AT EACH STAGE OF PROGRESS. IT IS TO HAVE ACCESS, FOR INSPECTION, OF ALL WORK AT EACH STAGE OF PROGRESS.		RK. THE ABOVE WILL BE AT THE CONTRACTOR'S EXPENSE.	
ORDINATION:	12. THE CONTRACTOR IS TO VISIT THE SITE, COMPARE THE DRAWINGS AND SPECIFICATIONS AND INFORM THEMSELVES OF ALL CONDITIONS PERTAINING TO THE WORK PRIOR TO SUBMITTING QUOTATION. 38. WHERE NOTED, GENERAL CONTRACTOR TO ONLY USE	ER. MIN MINIMUM MISC MISCELLAN	
DINATION OF THE WORK IS TO ENSURE MAXIMUM EFFICIENCY AND SMOOTH PROGRESS BY THE CONTRACTOR, ER, CLIENT AND PROJECT MANAGERS.	13. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING SITE AND BUILDING CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER/DESIGNER DURING THE TIME OF TENDERING IN SUFFICIENT TIME TO PERMIT ISSUANCE OF ADDENDUM. OF THE WORK AS STIPULATED BY LANDLORD/OWNER.	KS/STAINING WITHIN THE BUILDING AND RECTIFY. NIC NOT IN CO	
JECT MANAGER AND THE CONTRACTOR ARE TO CHECK AND VERIFY DIMENSIONS OF ALL WORK AT EACH STAGE GRESS.	14. FAILURE TO REPORT DISCREPANCIES WILL NOT RELIEVE THE CONTRACTOR FROM PERFORMING THE WORK AS INTENDED AND AT NO ADDITIONAL COST TO THE CLIENT. 40. IT IS THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER FROM PERFORMING THE WORK AS LEVELS FOR THE DESIGN OF THE SPACE IN ACCORDANCE	OR CALCULATING AND SPECIFYING THE APPROPRIATE LIGHT	CALE
TANTIAL COMPLETION: TIAL COMPLETION TO BE DATED WHEN CERTIFIED BY THE PROJECT MANAGER WITH EXCEPTION TO ANY	15.THE CONTRACTOR IS TO VERIFY ALL JOB DIMENSIONS, DRAWINGS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH41.GENERAL CONTRACTOR SHALL SUBMIT ANY AND ALL STHE WORK. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER IMMEDIATELY.DESIGNER/ENGINEERS FOR APPROVAL PRIOR TO FABRI	HOP DRAWINGS AND SUBMITTALS TO THE P PAINT CATION AND/OR COMMENCEMENT OF WORK. DRAWINGS PLAM PLASTIC LA	AMINATE
N UP:	16. ALL DIMENSIONS ON DRAWINGS TO GOVERN. DRAWINGS ARE NOT TO BE SCALED. INCLUDED BUT NOT LIMITED TO INCLUDE; MILLWORK GLAZING/GLASS 17. ALL ION SITE DIMENSIONS ARE TO DE VERIFIED BY THE CONTRACTOR DRIVEN TO BE SCALED. MILLWORK GLAZING/GLASS	PR PAIR PTD PAINTED	
	17. ALL JOB SITE DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF RELATED WORK. DOOR ASSEMBLIES & HARDWARE 18. SHOULD CONTRACTOR WISH TO CHANGE: WALL FINISHES SIZES DETAILS OF METHOD OF CONSTRUCTION WALL FINISHES	QTY QUANTITY REQD REQUIRED	
CTOR IS TO BE RESPONSIBLE FOR ALL RUBBISH CAUSED BY HIS EMPLOYEES AND THEIR WORK ON A DAY-TO-DAY ID MUST LEAVE THE PREMISES CLEAN TO THE SATISFACTION OF THE DESIGNER AND CLIENT. E FOR FINAL CLEANING TO FLOORS, WALLS, WINDOWS AND CEILING, READY FOR CLIENT'S OCCUPANCY.	- SIZES, DETAILS OR METHOD OF CONSTRUCTION, - MANUFACTURER, TYPE OF MATERIALS OR SPECIFICATIONS, THE CONTRACTOR MUST HAVE APPROVAL BY THE PROJECT MANAGER PRIOR TO PURCHASE AND INSTALLATION. MECHANICAL/ELECTRICAL EQUIPMENT AS ANY JALL SPECIALTY ITEMS	NOTED ON ENGINEERING DRAWINGS SOUTH SCHED SCHEDULE	
AGES AND MUTUAL RESPONSIBILITIES:		T AS SPECIFIED WITHIN THESE CONTRACTOR DOCUMENTS. THE SF SQUARE FE COVAL PRIOR TO PURCHASE AND INSTALLATION OF ANY SPEC SPECIFICA	EET
MAGE CAUSED BY THE CONTRACTOR OR ANY OF HIS/HER SUB-CONTRACTORS OR SUPPLIERS OF CONTRACT AL, ETC., IS TO BE RECTIFIED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.	20. ALL MATERIALS ARE TO HAVE A FLAME SPREAD RATING AS REQUIRED BY THE LOCAL BUILDING CODE. CONTRACTOR TO PROVIDE FLAME SPREAD RATINGS FOR ANY ALTERNATIVE MATERIALS. MANUFACTURER OR TYPE OF MATERIALS	20VAL PRIOR TO PURCHASE AND INSTALLATION OF ANY SPEC SPECIFICA SQ SQUARE SS STAINLESS STD STANDARE	STEEL
ECTION OF WORK AND PROPERTY:	 21. THE CONTRACTOR IS TO CONFIRM ALL FINISHES AND COLORS OF MATERIALS, FITTINGS, FIXTURES AND ACCESSORIES WITH THE DESIGNER PRIOR TO PURCHASE AND INSTALLATION. 43. GENERAL CONTRACTOR TO COORDINATE WORKING F 	SS AS ORIGINALLY SPECIFIED STORAGE	
NTRACTOR IS TO MAINTAIN CONTINUAL AND ADEQUATE PROTECTION OF ALL HIS/HER WORK AND IS TO TAKE ABLE PRECAUTIONS TO PROTECT THE LANDLORD'S PROPERTY FROM ANY DAMAGE ARISING IN CONNECTION WITH NTRACT.		K DURING REGULAR BUSINESS HOURS (OR AFTER HOURS AND	
CTED WORK:	23. SHOULD ANY QUESTIONS, DISPUTE OR DIFFERENCE OF OPINION ARISE AS TO THE MEANING OR INTERPRETATION OF THE DRAWINGS, IT IS TO BE UNDERSTOOD THAT THE DECISION OF THE PROJECT MANAGER/DESIGNER WILL BE FINAL. 44. FIRE PROTECTION DOCUMENTS SHALL BE PROVIDED AS MECHANICAL DRAWINGS FOR DETAILS.	A DEFERRED SUBMITTAL BY THE CONTRACTOR. REFER TO VCT VINYL CONVERT VERTICAL	
DNTRACTOR IS TO PROMPTLY REMOVE ANY AND ALL DEFECTIVE WORK OR EQUIPMENT FROM THE PREMISES CAUSED DR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS, CONCEALED DAMAGE OR	INFORMATION WITH RESPECT TO MECHANICAL AND ELECTRICAL FITTINGS, FIXTURES, EQUIPMENT, CIRCUITRY, ETC. ANY OTHER APPLICABLE LEGISLATION, REGULATIONS, A	VE THE OWNER FROM THE REQUIREMENT TO COMPLY WITH W WEST ND STANDARDS INCLUDED, BUT NOT LIMITED TO, THE W/ WITH CESSIBILITY FOR ONTARIOANS WITH DISABILITIES AND AND W/O WITHOUT	
ACTS BY THE CONTRACTOR WHICH HAVE BEEN CONDEMNED BY THE DESIGNER OR OWNER AS FAILING TO DRM WITH THE CONTRACT DOCUMENTS, WHETHER INCORPORATED IN THE CONTRACT OR NOT.	25. THE CONTRACTOR IS TO REFER TO THE DESIGN DRAWINGS FOR LOCATION OF ALL ELECTRICAL FIXTURES AND OUTLETS. INTEGRATED ACCESSIBILITY STANDARDS REGULATION. 26. WHERE IT IS OBVIOUS THAT THE DRAWING ILLUSTRATES ONLY PART OF THE PROPOSED WORK OR NUMBER OF ITEMS,	WC WATERCLO WD WOOD WT WEIGHT	OSET CLIENT
INTRACTOR IS TO PROMPTLY REPLACE AND RE-EXECUTE HIS OWN WORK IN ACCORDANCE WITH THE CONTRACT ITHOUT EXPENSE TO THE OWNER, WHILE BEARING THE EXPENSE TO FIX ALL WORK OF OTHER CONTRACTOR'S IYED OR DAMAGED BY SUCH REMOVAL OR REPLACEMENT.	THE REMAINDER OF THE PROPOSED WORK NOT ILLUSTRATED ON THE DRAWINGS SHALL BE INCLUDED IN THE SCOPE OF WORK.	YD YARD	
RECTION AFTER COMPLETION:	27. ALL COMMUNICATIONS BETWEEN THE CLIENT, PROJECT MANAGER, DESIGNER AND CONTRACTOR TO BE BY MEANS OF NUMBERED ADDENDA WHICH ARE TO BECOME PART OF THE CONTRACT DOCUMENT, PRIOR TO TENDER SUBMISSION OR CONTRACT AWARD.		
NTRACTOR IS TO CORRECT ANY DEFECTS CAUSED BY FAULTY MATERIALS OR WORKMANSHIP THAT APPEAR WITHIN A OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THEIR WORK. IN ADDITION, THE CONTRACTOR IS FOR ANY DAMAGE TO OTHER WORK RESULTING THERE FROM WHICH APPEARS WITHIN SUCH PERIOD. FINAL	28. CONTRACTOR TO ALLOW FOR CUTTING IN EXISTING CEILINGS, NON-STRUCTURAL WALLS AND ANY CONSTRUCTION NECESSARY TO FACILITATE THE INSTALLATION OF MECHANICAL AND ELECTRICAL EQUIPMENT. PROVIDE UNIT PRICE		
NT DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY.	FOR THIS WORK. 29. CUTTING OR DRILLING IN CONCRETE SLAB AND OTHER STRUCTURAL ELEMENTS TO BE APPROVED BY STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION.		no, date by description
ION OF THE CONTRACT TO BE THIS CONTRACTOR'S GUARANTEE THAT MATERIAL AND WORKMANSHIP OF THE WORK T CLASS IN EVERY ASPECT AND THAT THE FINISHED PRODUCT WILL PROPERLY PERFORM ITS FUNCTION.	30. ALL X-RAY AND OTHER RELATED PROCEDURES PERTAINING TO ABOVE TO FORM PART OF THIS CONTRACT.		REVISIONS
			03 16AUG24 AH ISSUED FOR TENDER 02 13AUG24 AH ISSUED FOR PERMIT
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			scale I-O



1.	THIS DRAWINGS & NOTES TO BE READ IN CONJUNCTION WITH GENERAL NOTES, REFER				
2.	TO DRAWING #1-000. THE ENTIRE DRAWING PACKAGE TO BE REFERENCED AND REVIEWED AS A WHOLE.				
	THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL				
4.	ENGINEER'S DRAWINGS AND SPECIFICATIONS. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONSTRUCTION				
5.	SPECIFICATIONS AND DOCUMENTS. ALL PARTITIONS DESIGNATED TO BE DEMOLISHED SHALL BE REMOVED FROM SLAB TO				
4	SLAB UNLESS NOTED OTHERWISE. WHERE DEMOLISHED PARTITIONS PENETRATED SUSPENDED T-BAR CEILING GRID,				
	REPAIRS SHALL BE MADE TO MAKE GOOD A CONTINUOUS CEILING GRID.				
' .	IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE GOOD ALL AREAS AFFECTED BY DEMOLITION.		R		NNETT
	DISCONNECT AND CAP ALL PLUMBING WHICH IS TO BE REMOVED. DEMOLITION AND NEW CONSTRUCTION SHALL BE DONE IN PHASES AS REQUIRED.				
/.	DURING EACH PHASE, THE AREA UNDER CONSTRUCTION SHALL BE COMPLETELY SEALED OFF, MAINTAINING EXISTS WITHIN ACCORDANCE WITH BUILDING CODE.				IETT DESIGN ouglas Road
10.	THE CONTRACTOR SHALL SALVAGE ALL ELEMENTS OF THE BASE BUILDING, SUCH AS (BUT NOT LIMITED TO) CEILING COMPONENTS, LIGHT FIXTURES, SPEAKERS, ETC. ALL ELEMENTS REMAIN THE PROPERTY OF AND SHALL BE TURNED OVER TO THE LANDLORD/CLIENT AND STORED WHERE DIRECTED UNLESS SCHEDULED FOR REUSE AND/OR SHOWN TO BE REMOVED AND RELOCATED UNDER THIS CONTRACT.		Ux T e	brid I. 9	ge, ON. L9P 1S9 05 . 852 . 4617 ettdesign.ca
11.	ALL DEBRIS AND MATERIALS RESULTING FROM THE DEMOLITION AND NOT CLAIMED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES AND BE LEGALLY DISPOSED OF.		GENERAL NOT		
12.	THE CONTRACTOR SHALL COORDINATE THE LIFTING AND REMOVAL OF ALL EXISTING FLOOR COVERING AND BASE FINISHES, WITHIN THE CONTRACT AREA, WITH THE FLOOR COVERING CONTRACTOR.	C A A	ANNOT BE REPRO	DDUCED TS MUST IES TO BE	PERTY OF BENNETT DESIGN ASSOCIATES WITHOUT WRITTEN PERMISSION. BE VERIFIED ON SITE BY CONTRACTOR ENNETT DESIGN ASSOCIATES INC. BEFOR
13.	CARPET AND OTHER FLOOR FINISHES REMAINING SHALL BE PROTECTED BY THE CONTRACTOR WITH 6 MIL. CONTINUOUS POLYETHYLENE FILM SHEET.		ROCEEDING WITH O NOT SCALE DR		
4.	CONTRACTOR TO REMOVE ALL FLOORING AND BASE, UNLESS NOTED OTHERWISE. MAKE GOOD ALL FLOORS, BASE, WALLS, COLUMNS AND CEILING AFTER DEMOLITION SUITABLE FOR APPLICATION OF NEW FINISH. REFER TO FLOOR AND WALL FINISH PLANS, NOTES AND LEGENDS 1-1004 AND 1-1005.				
5.	ANY WIRING ETC. WITHIN PARTITIONS SLATED FOR DEMOLITION IS TO BE REMOVED AND/OR TERMINATED AND IS TO CONFORM TO ALL APPLICABLE STANDARDS AND BY-LAWS.				
6.	DISCONNECT ALL ELECTRICAL SERVICES FROM PARTITIONS TO BE DEMOLISHED AND CAP ABOVE CEILING HEIGHT.				
7.	IN PARTITIONS BEING REMOVED, ELECTRICAL OUTLETS, CONDUIT, ETC. ARE TO BE REMOVED BACK TO FIRST JUNCTION BOX AND TERMINATED, OR AS DIRECTED BY ELECTRICAL DRAWINGS/SPECIFICATIONS. REFER TO CONSULTANT ENGINEERS' DRAWINGS.				
8.	WHERE FLOOR MONUMENTS ARE REMOVED, FLOOR DRILLINGS ARE TO BE FILLED WITH CONCRETE, LEVEL TO THE UNFINISHED FLOOR SLAB. ALL WIRING FOR SAME TO BE MADE SAFE.				
9.	EXISTING CEILING TILES AND FIXTURES ARE TO BE REMOVED AND SALVAGED FOR REUSE. NEW TILES AS REQUIRED TO MATCH. ALL DISCOLOURED TILES TO BE SEGREGATED IN SPECIFIC AREAS TO ACHIEVE AN EVEN COLOUR WITHIN ONE AREA. REFER TO REFLECTED CEILING PLAN I-1002.				
20.	CONFIRM THAT DEMOLITION DRAWINGS ACCURATELY REFLECT THE EXTENT OF ABOVE CEILING GWB BAFFLING TO BE REMOVED AND REMOVE ANY REDUNDANT BAFFLES ABOVE THE CEILING.				
21.	THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DAMAGES TO FINISHES, SURFACES, MATERIALS ETC., DUE TO WORK PERFORMED UNDER THIS CONTRACT AND BEARS ALL COSTS INCURRED TO MAKE GOOD. REPAIR OR REPLACE SAME TO DESIGNER'S SATISFACTION.				
22.	THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD, PROPER AND SAFE MEANS OF FIRE EXIT SHALL BE PROVIDED FROM ALL ZONES OF THE BUILDING AT ALL TIMES TO THE APPROVAL OF THE AUTHORITIES HAVING JURISDICTION.				
23.	PROTECT EXISTING PERIMETER WINDOW BLINDS DURING CONSTRUCTION BY SUITABLE METHODS TO THE APPROVAL OF THE LANDLORD/TENANT AND THOROUGHLY CLEAN BLINDS UPON COMPLETION OF WORK. IF NO PRACTICAL MEANS OF PROTECTION CAN BE FOUND, THE CONTRACTOR SHALL REMOVE THE EXISTING BLINDS AND STORE WHERE DIRECTED AND REINSTALL WHEN CONSTRUCTION IS COMPLETE.				
24.	ALL REMOVED CARPET AND UNDER PAD IS TO BE RECYCLED. CONTACT VIKING RECYCLING, KELLY MC CAIG @ 416.452.7873 OR KELLY@VIKINGRECYCLING.CA FOR				
<u>م</u> ر	COORDINATION OF CARPET RECLAMATION.	no. RFV	date /ISIONS	by	description
23.	CONTRACTOR TO CONTACT VIKING RECYCLING TO COORDINATE RECLAMATION OF DEMOLISHED CONSTRUCTION MATERIALS SUCH AS BUT NOT LIMITED TO: CEILING TILES, LIGHTING, ELECTRONICS, FLOOR FINISHES.				
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1340 PICKERING PKWY

DEMOLITION PLAN

22APR24

drawn by

JC

checked by

1/8"=1'-0"

AH

scale

project no

cad file:

drawing no.

24-1008

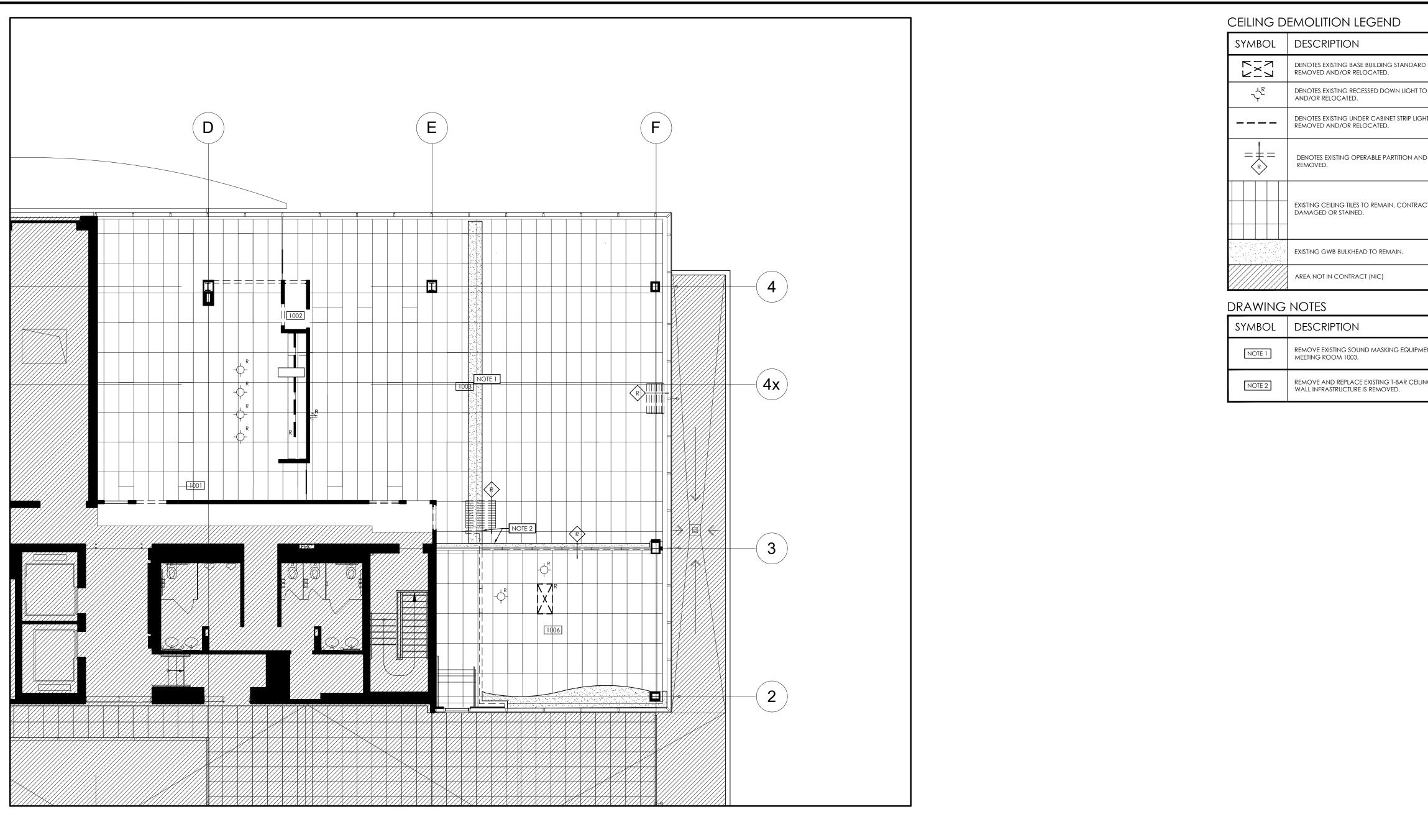
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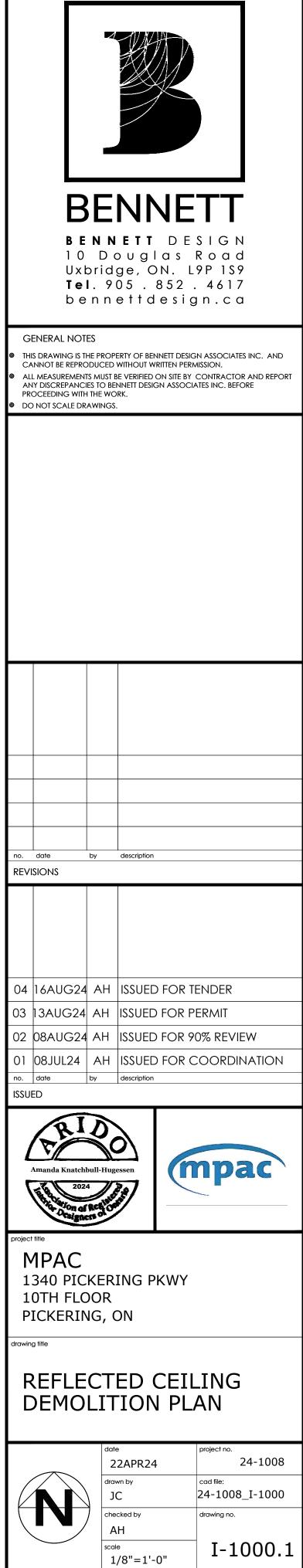
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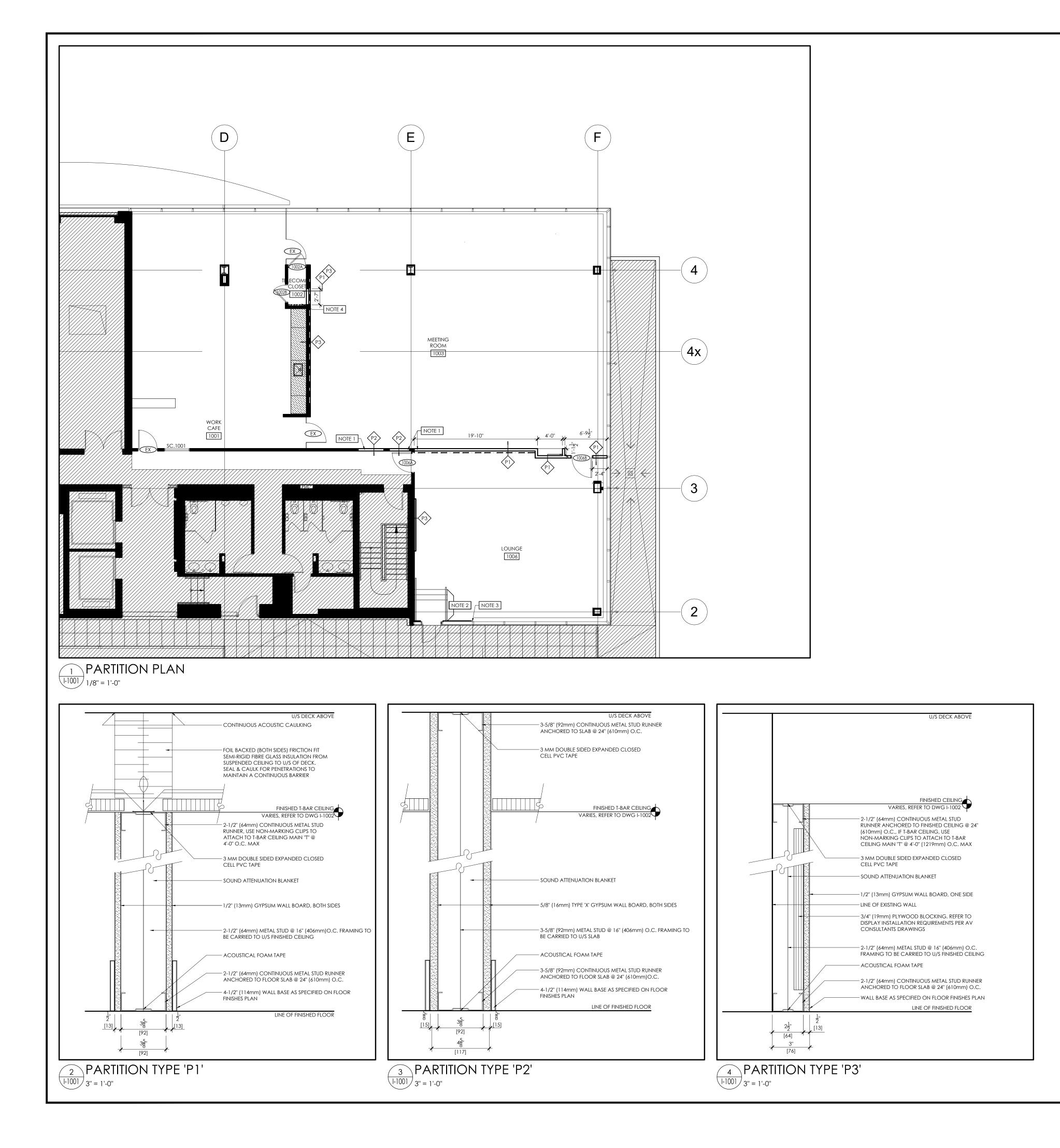
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	 THIS DRAWINGS & NOTES TO BE READ IN CONJUNCTION WITH GENERAL NOTES, REFER TO DRAWING #1-000. 	
STANDARD LUMINARIES TO BE	2. THE ENTIRE DRAWING PACKAGE TO BE REFERENCED AND REVIEWED AS A WHOLE.	×
	 THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL ENGINEER'S DRAWINGS AND SPECIFICATIONS. 	
WN LIGHT TO BE REMOVED	4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONSTRUCTION SPECIFICATIONS AND DOCUMENTS.	
et strip lighting to be	 WHERE DEMOLISHED PARTITIONS PENETRATED SUSPENDED T-BAR CEILING GRID, REPAIRS SHALL BE MADE TO MAKE GOOD A CONTINUOUS CEILING GRID. 	
	6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE GOOD ALL AREAS AFFECTED BY DEMOLITION.	
RTITION AND SYSTEM TO BE	 DEMOLITION AND NEW CONSTRUCTION SHALL BE DONE IN PHASES AS REQUIRED. DURING EACH PHASE, THE AREA UNDER CONSTRUCTION SHALL BE COMPLETELY SEALED OFF, MAINTAINING EXISTS WITHIN ACCORDANCE WITH BUILDING CODE. 	BEN
N, CONTRACTOR TO REPLACE IF	8. THE CONTRACTOR SHALL SALVAGE ALL ELEMENTS OF THE BASE BUILDING, SUCH AS (BUT NOT LIMITED TO) CEILING COMPONENTS, LIGHT FIXTURES, SPEAKERS, ETC. ALL ELEMENTS REMAIN THE PROPERTY OF AND SHALL BE TURNED OVER TO THE LANDLORD/CLIENT AND STORED WHERE DIRECTED UNLESS SCHEDULED FOR REUSE AND/OR SHOWN TO BE REMOVED AND RELOCATED UNDER THIS CONTRACT.	BENNET 10 Dou
AIN.	9. ALL DEBRIS AND MATERIALS RESULTING FROM THE DEMOLITION AND NOT CLAIMED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES AND BE LEGALLY DISPOSED OF.	Uxbridge, Tel . 905 bennet
	 EXISTING CEILING TILES AND FIXTURES ARE TO BE REMOVED AND SALVAGED FOR REUSE, NEW TILES AS REQUIRED TO MATCH. ALL DISCOLOURED TILES TO BE SEGREGATED IN SPECIFIC AREAS TO ACHIEVE AN EVEN COLOUR WITHIN ONE AREA. REFER TO REFLECTED CEILING PLAN I-1002. 	GENERAL NOTES
	11. CONFIRM THAT DEMOLITION DRAWINGS ACCURATELY REFLECT THE EXTENT OF ABOVE CEILING GWB BAFFLING TO BE REMOVED AND REMOVE ANY REDUNDANT BAFFLES ABOVE THE CEILING.	 THIS DRAWING IS THE PROPERTY O CANNOT BE REPRODUCED WITHO ALL MEASUREMENTS MUST BE VERI ALL MEASUREMENTS MUST BE VERI AND DISCORPANIES TO DEDINITY
NG EQUIPMENT FROM LARGE	 THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL DAMAGES TO FINISHES, SURFACES, MATERIALS ETC., DUE TO WORK PERFORMED UNDER THIS CONTRACT AND BEARS ALL COSTS INCURRED TO MAKE GOOD. REPAIR OR REPLACE SAME TO DESIGNER'S SATISFACTION. 	 ANY DISCREPANCIES TO BENNETT I PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.
T-BAR CEILING WHERE MOVABLE ED.	13. THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD, PROPER AND SAFE MEANS OF FIRE EXIT SHALL BE PROVIDED FROM ALL ZONES OF THE BUILDING AT ALL TIMES TO THE APPROVAL OF THE AUTHORITIES HAVING JURISDICTION.	
	14. PROTECT EXISTING PERIMETER WINDOW BLINDS DURING CONSTRUCTION BY SUITABLE METHODS TO THE APPROVAL OF THE LANDLORD/TENANT AND THOROUGHLY CLEAN BLINDS UPON COMPLETION OF WORK. IF NO PRACTICAL MEANS OF PROTECTION CAN BE FOUND, THE CONTRACTOR SHALL REMOVE THE EXISTING BLINDS AND STORE WHERE DIRECTED AND REINSTALL WHEN CONSTRUCTION IS COMPLETE.	
	15. CONTRACTOR TO CONTACT VIKING RECYCLING TO COORDINATE RECLAMATION OF DEMOLISHED CONSTRUCTION MATERIALS SUCH AS BUT NOT LIMITED TO CEILING TILES AND LIGHTING. CONTACT VIKING RECYCLING, KELLY MC CAIG @ 416.452.7873 OR KELLY@VIKINGRECYCLING.CA.	





PARTITION	LEGEND	
Symbol	DETAIL	DESCRIPTION
		DENOTES EXISTING PARTITION TO REMAIN
		NEW PARTITION ASSEMBLY "P1"
	2	- 3-5/8" METAL STUDS AT 16" O.C. - ONE LAYER 1/2" BOTH SIDES - SOUND ATTENUATION BLANKET - SLAB TO U/S OF CEILING - FOIL BACKED (BOTH SIDES) RIGID INSULATION ABOVE CEILING TO U/S OF DECK (CERTAPRO THERMAL FOIL FACED BATTS BY CERTAINTEED CORP. OR EQUAL)
.		NEW PARTITION ASSEMBLY "P2" Demising Partition
		- 3 5/8" METAL STUDS AT 16" O.C. (U.N.O) - ONE LAYER 5/8" TYPE 'X' GWB, BOTH SIDES - SOUND ATTENUATION BLANKET - SLAB TO SLAB - TO MATCH EXISTING - ## MIN F.R.R PARTITION NOTES: EXISTING CONSTRUCTION TO BE VERIFIE PRIOR TO CONSTRUCTION
		NEW FURRING PARTITION ASSEMBLY "P3"
	4	- 2 1/2" METAL STUDS AT 16" O.C. - ONE LAYER 1/2" ONE SIDE - SLAB TO U/S OF CEILING - BLOCKING REQUIRED FOR MOUNTED DISPLAYS, CONTRACTOR TO REFER TO INSTALLATION REQUIREMENTS AS PER AV CONSULTANTS SPECIFICATIONS
		EXISTING DOOR & FRAME TO REMAIN
		NEW DOOR & FRAME REFER TO DOOR SCHEDULE I-1007 PROVIDE DOOR HEADERS AS REQUIRED FOR A DOORS NOT FULL HEIGHT
SC.#		NEW GLAZING ASSEMBLY REFER TO SCREEN SCHEDULE I-1007
		GLAZING C/W VISION STRIP: 3M FILM, DUSTED CRYSTAL - 7725SE-314 CONTACT:
		DENOTES NEW MILLWORK, REFER TO I-1008.
		DENOTES BLOCKING INSIDE NEW PARTITIONS FOR WALL MOUNTED FIXTURES, DISPLAY SCREENS AND SIGNAGE.
FE		FIRE EXTINGUISHER
FHC		FIRE HOSE CABINET
JSM		JOB SITE MEASUREMENT
AFF		ABOVE FINISHED FLOOR
CCD		CRITICAL CLEAR DIMENSION
		AREA NOT IN CONTRACT (NIC)
		OCATION WHITEBOARDS, TV'S ETC.
DRAWING		
Symbol	DESCRIPT	ION
NOTE 1	Align finished And within suit	FACE OF WALL WITH EXISTING (BOTH CORRIDOR TE).
NOTE 2	CONTRACTOR T TO ELEVATION X	O APPLY GWB ON SIDES OF EXISTING STAIRS. REF
NOTE 3	CONTRACTOR T ACCEPT NEW FI	O PATCH AND REPAIR PARTITION, MAKE READY T NISH.

NOTE 4

N LEGE	ND	PARTITION NOTES	
DETA	AL DESCRIPTION	 THIS DRAWINGS & NOTES TO BE READ IN CONJUNCTION WITH GENERAL NOTES, REFER TO DRAWING #1-000. 	
	DENOTES EXISTING PARTITION TO REMAIN	2. THE ENTIRE DRAWING PACKAGE TO BE REFERENCED AND REVIEWED AS A WHOLE.	
	NEW PARTITION ASSEMBLY "P1" - 3-5/8" METAL STUDS AT 16" O.C.	3. THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL ENGINEER'S DRAWINGS AND SPECIFICATIONS.	
	- ONE LAYER 1/2" BOTH SIDES - SOUND ATTENUATION BLANKET	4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONSTRUCTION SPECIFICATIONS AND DOCUMENTS.	
-1001	- FOIL BACKED (BOTH SIDES) RIGID INSULATION ABOVE CEILING TO U/S OF DECK (CERTAPRO	5. THE CONTRACTOR IS TO READ REFLECTED CEILING PLAN I-1002 IN CONJUNCTION WITH PARTITION PLAN TO ESTABLISH EXACT LOCATION OF PARTITIONS.	
	THERMAL FOIL FACED BATTS BY CERTAINTEED CORP. OR EQUAL)	6. REFER TO REFLECTED CEILING PLAN DRAWING I-1002 FOR DRYWALL CEILING AND FLUSH (MUD-IN) LIGHT FIXTURE DETAILS.	
	NEW PARTITION ASSEMBLY "P2" DEMISING PARTITION	 REFER TO ELECTRICAL AND MECHANICAL ENGINEER'S DRAWINGS FOR FURTHER SPECIFICATIONS. DISCREPANCIES BETWEEN THE DESIGNERS' AND ENGINEERS' DRAWINGS ARE TO BE REPORTED TO THE DESIGNER IN WRITING. 	BENNETT
(-100		 THE CONTRACTOR IS TO COORDINATE WITH THE TENANT'S CABLING CONSULTANTS, REFER TO DRAWING I-1003. 	
	- SOUND ATTENUATION BLANKET - SLAB TO SLAB - TO MATCH EXISTING	 THE CONTRACTOR IS TO CHECK ALL SITE CONDITIONS PRIOR TO SUBMITTING QUOTATION. 	BENNETT DESIGN 10 Douglas Road
	- ## MIN F.R.R PARTITION NOTES: EXISTING CONSTRUCTION TO BE VERIFIED PRIOR TO CONSTRUCTION	 THE CONTRACTOR IS TO VERIFY ALL JOB DIMENSIONS, ALL DRAWING DETAILS, ALL SPECIFICATIONS, AND REPORT ANY DISCREPANCIES IN WRITING TO THE DESIGNER 	Uxbridge, ON. L9P 1S9 Tel . 905 . 852 . 4617
	NEW FURRING PARTITION ASSEMBLY "P3"	PRIOR TO INSTALLATION.	bennettdesign.ca
	- 2 1/2" METAL STUDS AT 16" O.C. - ONE LAYER 1/2" ONE SIDE	11. ALL TEMPORARY BUILDING SHUTDOWNS ARE TO BE COORDINATED BY THE CONTRACTOR WITH LANDLORD.	GENERAL NOTES
4	- SLAB TO U/S OF CEILING - BLOCKING REQUIRED FOR MOUNTED	12. FINAL CLEANING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, INCLUDING CLEANING OF FLOORS, WALLS, CONVECTORS, BLINDS, ALL GLAZING AND CEILING, PROFESSIONALLY STEAM CLEAN OF CARPET AND WAXING OF HARD	THIS DRAWING IS THE PROPERTY OF BENNETT DESIGN ASSOCIATES INC. AND CANNOT BE REPRODUCED WITHOUT WRITTEN PERMISSION.
	DISPLAYS, CONTRACTOR TO REFER TO INSTALLATION REQUIREMENTS AS PER AV CONSULTANTS SPECIFICATIONS	SURFACES. 13. PRIOR TO FABRICATION AND ORDERING OF MATERIALS, THE CONTRACTOR IS TO	ALL MEASUREMENTS MUST BE VERIFIED ON SITE BY CONTRACTOR AND REPORT ANY DISCREPANCIES TO BENNETT DESIGN ASSOCIATES INC. BEFORE PROCEEDING WITH THE WORK.
	EXISTING DOOR & FRAME TO REMAIN	SUBMIT SHOP DRAWINGS TO THE DESIGNER FOR APPROVAL OF ALL MILLWORK ITEMS, DOOR ASSEMBLIES & HARDWARE AND WASHROOM FIXTURES & ACCESSORIES.	DO NOT SCALE DRAWINGS.
	NEW DOOR & FRAME	14. THE CONTRACTOR IS TO PROVIDE ELEVATOR CAB BLANKET PROTECTION AND FLOORING PROTECTION DURING CONSTRUCTION PERIOD.	
	REFER TO DOOR SCHEDULE I-1007 PROVIDE DOOR HEADERS AS REQUIRED FOR ALL DOORS NOT FULL HEIGHT	15. ALL PARTITIONS TO BE MARKED ON THE FLOOR AND APPROVED BY DESIGNER PRIOR TO INSTALLATION OF STUDS.	
	NEW GLAZING ASSEMBLY	16. THE CONTRACTOR IS TO MAKE GOOD ALL FLOORS, BASES, WALLS, CORE PARTITIONS, COLUMNS AND CEILINGS SUITABLE TO ACCEPT NEW FINISHES OR MATERIALS. THE CONTRACTOR IS TO VISIT SITE TO EVALUATE EXTENT OF WORK PRIOR TO BID	
	REFER TO SCREEN SCHEDULE I-1007 GLAZING C/W VISION STRIP:	SUBMISSION. 17. WHERE NEW WORK CONNECTS WITH EXISTING AND/OR WHERE EXISTING WORK IS	
	3M FILM, DUSTED CRYSTAL - 7725SE-314 CONTACT:	ALTERED: ENSURE NECESSARY CUTTING, FITTING AND TIE-INS REQUIRED TO BE SATISFACTORY AND PERFORMED UNDER THIS CONTRACT.	
	DENOTES NEW MILLWORK, REFER TO I-1008.	 PROVIDE WOOD BLOCKING WHERE NECESSARY WITHIN PARTITIONS AND WITHIN CEILING SPACE WHEREVER SHELVING, CABINETS, TV'S, WHITEBOARDS, EQUIPMENT OR WALL AND CEILING FIXTURES AND ACCESSORIES MAY GO. 	
	DENOTES BLOCKING INSIDE NEW PARTITIONS FOR WALL MOUNTED FIXTURES, DISPLAY SCREENS AND SIGNAGE.	 THE CONTRACTOR IS TO CONSULT WITH MECHANICAL CONSULTANT TO ENSURE READY ACCESS FOR MAINTENANCE TO ALL MECHANICAL UNITS BEFORE NEW PARTITIONS AND CEILINGS ARE ERECTED AND INSTALLED. 	
	FIRE EXTINGUISHER	20. SOUND ATTENUATION BLANKET IN PARTITIONS TO BE CONTINUOUS BEHIND ALL POWER AND COMMUNICATION WALL OUTLETS AND ACROSS DOOR/WINDOW HEADERS WITHOUT INTERRUPTION TO PREVENT SOUND TRANSFER.	
	FIRE HOSE CABINET	21. MAINTAIN CONTINUOUS SOUND ATTENUATION AT PERIMETER CONVECTOR UNIT CAVITIES AND AT SOUND ATTENUATED PARTITION CONNECTIONS.	
	JOB SITE MEASUREMENT	22. COMPLETE INSTALLATION TO BE SMOOTH, LEVEL OR PLUMB, FREE FROM WAVES AND OTHER DEFECTS AND READY TO ACCEPT SPECIFIED FINISH.	
	ABOVE FINISHED FLOOR	23. ALL WOOD SOLIDS AND VENEERS TO BE FIRE TREATED AS NECESSARY TO MEET BUILDING CODE REQUIREMENTS.	
	CRITICAL CLEAR DIMENSION	24. ALL EXPOSED EDGES OF GWB TO BE TRIMMED WITH J-MOULD OR CORNER BEAD OR AS OTHERWISE DETAILED.	
	AREA NOT IN CONTRACT (NIC) 6 FOR LOCATION WHITEBOARDS, TV'S ETC.	25. DO NOT APPLY GWB UNTIL BUCKS, ANCHORS AND BLOCKING, ELECTRICAL AND MECHANICAL WORK HAVE BEEN INSPECTED AND APPROVED BY DESIGNER.	
g noti		 MAINTAIN REQUIRED FIRE RATING AROUND MECHANICAL AND ELECTRICAL EQUIPMENT AND OTHER PENETRATIONS AT ALL TIMES. 	
DESC	CRIPTION	27. ERECT ACCESSORIES STRAIGHT, PLUMB OR LEVEL, RIGID AND AT THE PROPER PLANE.	
-		28. PARTITIONS NOT DIMENSIONED ARE TO BE TYPICALLY LOCATED ON THE CENTER OF THE CEILING GRID.	no. date by description REVISIONS
	THIN SUITE).	29. DIMENSIONS FOR NEW PARTITIONS ARE TO BE ESTABLISHED FROM THE CENTERLINE OR FINISHED FACE, UNLESS OTHERWISE NOTED.	
	ATION X/I-100X.	30. ENSURE THAT ALL OPENINGS FOR GLAZING ARE SQUARE AND SOLID FOR RECEIVING GLASS OR GLAZING FRAMES. REFER TO DOOR & SCREEN SCHEDULE FOR DETAILS.	
	NEW FINISH.	31. WHERE MULTIPLE GLAZING PANELS ARE SHOWN, ALL SECTIONS TO BE EQUAL, UNLESS NOTED OTHERWISE. REFER TO DOOR & SCREEN SCHEDULE FOR DETAILS.	
	PLYWOOD BACKER BOARD TO EXISTING WALL NATE SIZE OF BACKER BOARD WITH AV GROUP DRAWING	32. UNLESS NOTED OTHERWISE, PARTITIONS SHOWN ON WINDOW MULLIONS TO BE INSTALLED CENTERED ON WINDOW MULLIONS. CAULKING FOR SOUND ATTENUATION	
		 TO BE PROVIDED FROM FLOOR TO CEILING. 33. WHERE NEW PARTITIONS MEET A WINDOW MULLION, CLEANLY BUILD USING LANDLORD APPROVED FINISH DETAILS. 	04 16AUG24 AH ISSUED FOR TENDER
		34. FILLER PANELS TO BE PROVIDED BETWEEN COLUMNS AND MULLIONS AS REQUIRED.	03 13AUG24 AH ISSUED FOR PERMIT 02 08AUG24 AH ISSUED FOR 90% REVIEW
		35. WHERE EXISTING PARTITIONS ARE TO BE PAINTED AND/OR RECEIVE NEW WALLCOVERING, REMOVE EXISTING WALL FINISH, FILL AND SAND AS REQUIRED.	01 08JUL24 AH ISSUED FOR COORDINATION
		36. PROVIDE DOUBLE SIDED FOAM ACOUSTICAL TAPE OR GASKET WHERE PARTITIONS MEET WITH CORE WALLS, COLUMNS, CONVECTORS, COVERS, SLAB AND CEILING.	no. date by description
		37. ALL DOORS TO BE 6" AWAY FROM PARTITIONS ON HINGED SIDE OF DOOR UNLESS NOTED OTHERWISE.	ISSUED
		 UNDERCUT DOORS TO ALLOW FOR 1/8" CLEARANCE ABOVE FINISHED FLOOR WHERE REQUIRED. 	RIDA
		39. WHERE STRUCTURAL MEMBERS PENETRATE FULL HEIGHT PARTITIONS, PROVIDE ACOUSTICAL SEAL AND FINISH OPENING TO BE APPROVED BY LANDLORD/OWNER.	Amanda Knatchbull-Hugessen
		40. PLUMBING FIXTURES TO BE AS SPECIFIED WITH THE REQUIRED SUPPORT, ACCESSORIES AND ALL DRAINAGE, VENT AND WATER CONNECTIONS AS REQUIRED. REFER TO ENGINEERING DRAWINGS.	The 2024 Designers of Acel Office
		41. REFER TO POWER & COMMUNICATIONS DRAWING I-1003 FOR LOCATIONS OF NEW OUTLETS AND CONDUITS. ALLOW FOR CUTTING AND PATCHING OF ON EXISTING PERIMETER WALLS.	project title
		 42. DESIGNER TO APPROVE ACCESS PANEL LOCATION(S) PRIOR IN INSTALLATION. 43. REFER TO I-1004 FOR WALL BASE DETAILS. 	MPAC 1340 PICKERING PKWY
			10TH FLOOR PICKERING, ON

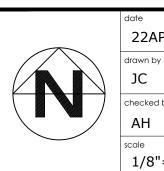
PARTITION PLAN

22APR24

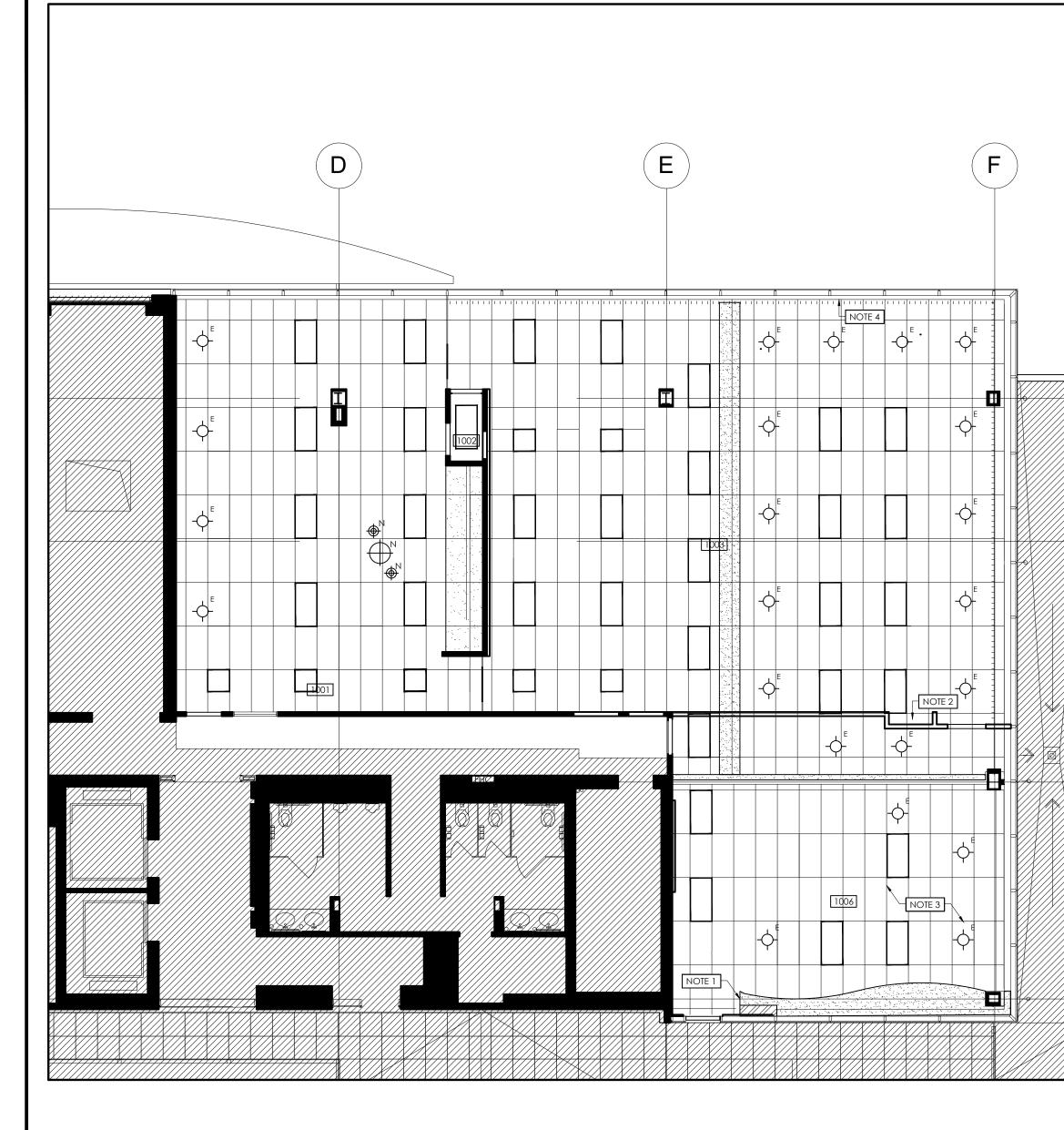
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SYMBOL	DESCRIPTION
	DENOTES EXISTING PARTITION TO REMAIN
	DENOTES NEW PARTITION
	DENOTES EXISTING BASE BUILDING STANDARD LUMINARIES TO REMAIN (BUILDING STANDARD, RECESSED, SEMI-RECESSED, SURFACE MOUNTED, AIR HANDLING). SPEC. LAMP TYPE.
	DENOTES EXISTING BASE BUILDING STANDARD LUMINARIES TO REMAIN (BUILDING STANDARD, RECESSED, SEMI-RECESSED, SURFACE MOUNTED, AIR HANDLING). SPEC. LAMP TYPE.
-\$\frac{R}{-}	DENOTES EXISTING LUMINAIRES TO BE REMOVED. NOTE: CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILING TILE WHERE REMOVED FROM.
-¢ ^E	DENOTES EXISTING LUMINAIRES TO REMAIN
$\oplus^{\mathbb{Z}}$	NEW PENDANT LIGHT - SMALL MANUFACTURER: BLUDOT SERIES: PERIMETER PENDANT LIGHT TYPE: PENDANT FINISH: WHITE SIZE: 11" DIAMETER NOTE: TO BE SUPPLIED BY POI, INSTALLED BY GC.
\bigoplus_{n}	NEW PENDANT LIGHT - LARGE MANUFACTURER: BLUDOT SERIES: PERIMETER PENDANT LIGHT TYPE: PENDANT FINISH: WHITE SIZE: 23" DIAMETER NOTE: TO BE SUPPLIED BY POI, INSTALLED BY GC.
	NEW DRAPERY: DP-1 MFR: LEGRAND SERIES: ES SERIES SHADE SYSTEM TRACK: SURFACE MOUNTED, MOTORIZED CURTAIN FABRIC: TBD PRODUCT CODE: SF-ES5 NOTES: ENSURE DRAPERY TRACK IS MOUNTED SO AS NOT TO OBSTRUCT MECHANICAL DIFFUSERS AT WINDOW. DRAPERY CONTRACTOR TO PROVIDE SHOP DRAWINGS/STACKING DIAGRAM TO SHOW EXTENT AND BREAK UP OF DRAPERY PAN ADVISE HOW MANY MOTORS REQUIRED FOR EXTENT OF DRAPERY.

CEILING LE		ND	
Symbol		DESCRIPTION	
		EXISTING T-BAR GRID AND CEILING TILES TO REMAIN 24" x 48" T-BAR CEILING GRID AND TILES TO REMAIN HEIGHT: 9'-0" A.F.F. NOTE: CONTRACTOR TO REPLACE ANY DAMAGED OR STAINED CEILING TILES WITH NEW. MANUFACTURER: TO BE VERIFIED ON SITE, EXISTING TO REMAIN	
		EXISTING GWB BULKHEAD TO REMAIN HEIGHT: 8'-0'' A.F.F. NOTE: CONTRACTOR TO PATCH AND REPAIR, MAKE LIKE NEW READY TO ACCEPT NEW FINISH. REFER TO I-1005 FOR FINISH DETAILS.	
DRAWING	NO	TES	
Symbol	DE	SCRIPTION	
NOTE 1	CONTRACTOR TO CAP BULKHEAD AND REPAIR GRID AND CEILING TILES WHERE PARTITION WAS REMOVED FROM.		
NOTE 2	CONT	RACTOR TO ADD GRILLES IN CLOSET FOR VENTILATION	
NOTE 3	-	EXISTING LOUNGE CEILING SPEAKERS TO BE RETAINED AND ZONED SEPARATELY FROM MEETING ROOM	

NOTE 4

CONTRACTOR TO REFER TO AVG DRAWINGS FOR POWER REQUIREMENTS FOR POWERED BLINDS

RE	FLECTED CEILING NOTES						
	THIS DRAWINGS & NOTES TO BE READ IN CONJUNCTION WITH GENERAL NOTES, REFER TO DRAWING #1-000.				14		
	THE ENTIRE DRAWING PACKAGE TO BE REFERENCED AND REVIEWED AS A WHOLE.						
	THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL ENGINEER'S DRAWINGS AND SPECIFICATIONS.						
	THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONSTRUCTION SPECIFICATIONS AND DOCUMENTS.				\square		
	REFER TO POWER AND COMMUNICATION LEGEND AND NOTES. CEILING HEIGHT: 9'-0" A.F.F., UNLESS NOTED OTHERWISE.						
	CONTINUE CEILING AS REQUIRED WHERE PARTITIONS HAVE BEEN REMOVED.						
	MECHANICAL AND ELECTRICAL CONSULTANT'S TO EXAMINE SITE BEFORE PROCEEDING WITH THE NECESSARY DRAWINGS.		B	E	N٢	NETT	-
9.	ELECTRICAL ENGINEERING CONSULTANT IS RESPONSIBLE FOR CALCULATING AND SPECIFYING THE APPROPRIATE LIGHT LEVELS FOR THE DESIGN OF THE SPACE IN ACCORDANCE WITH THE LOCAL BUILDING CODE.		BE	N N	ETT		١
	THE CONTRACTOR SHALL USE THIS DRAWING FOR THE LOCATION OF FIXTURES AND FITTINGS AND INCLUDE ITEMS AS MECHANICAL CONSULTANT DRAWINGS AND SPECIFICATIONS FOR TECHNICAL INFORMATION INCLUDING: CIRCUITRY, POWER REQUIREMENTS, NIGHT LIGHTS, EMERGENCY LIGHTING AND FIRE PROTECTION EQUIPMENT AS REQUIRED BY THE LOCAL BUILDING CODE.		Uxt Tel	orid I. 9	ge, C 05.	las Roa DN. L9P 15 852.4613 lesign.co	9 7
11.	EXCEPT FOR LOCATION OF FIXTURES, SUCH AS LIGHTING, POWER AND COMMUNICATION OUTLETS, ELECTRICAL AND MECHANICAL CONSULTANT'S PLANS SHALL GOVERN.	G	ENERAL NOTE	ΞS			
	THE CONSULTING ENGINEER AND CONTRACTOR SHALL INCLUDE ITEMS OR FIXTURES AS CALLED FOR BY NAME, NUMBER AND MANUFACTURER ON THE BDA DRAWINGS. APPROVAL IS REQUIRED BY THE DESIGNER BEFORE PROCEEDING WITH A CHANGE IN SPECIFICATION.	C/ Ø Al	ANNOT BE REPRO LL MEASUREMENT	duced s must	WITHOUT W BE VERIFIED	NNETT DESIGN ASSOCIAT VRITTEN PERMISSION. ON SITE BY CONTRACTC GN ASSOCIATES INC. BEF	OR AND REPO
13.	THE CONTRACTOR SHALL INCLUDE CUTTING AND REPAIRING OF CEILING TILES AND GWB TO ALLOW FOR DESIGNATED MECHANICAL OR ELECTRICAL WORK.	PR	OCEEDING WITH	THE WC	DRK.	GN ASSOCIATES INC. BEP	OKE
	ALL DAMAGED TILES AND T-BAR SHALL BE REPLACED. CONTRACTOR SHALL VERIFY QUANTITY AND ESTIMATE IN CONTRACT TO SUPPLY NEW AS REQUIRED TO MATCH EXISTING, IN STYLE, COLOUR AND FINISH.						
5.	ALL DISCOLOURED TILES TO BE SEGREGATED IN SPECIFIC AREAS TO ACHIEVE AN EVEN COLOUR WITHIN ONE AREA.						
	CONTRACTOR TO SUPPLY ADDITIONAL NEW CEILING TILES AS REQUIRED TO MATCH EXISTING.						
7.	existing. Where existing t-bar ceiling has been altered: all necessary cutting and fitting required to make satisfactory shall be performed under this contract.						
8.	THE CONTRACTOR IS TO CONFIRM WITH MECHANICAL CONSULTANT TO ENSURE READY ACCESS FOR MAINTENANCE OF EXISTING AND/OR NEW MECHANICAL UNITS BEFORE NEW PARTITIONS AND CEILINGS ARE INSTALLED.						
9.	THE CONTRACTOR SHALL REUSE EXISTING FIXTURES, DIFFUSERS, SPRINKLER HEADS ETC. WHERE APPLICATION PERMITS.						
	ALL LOCATIONS OF SPRINKLERS, SPEAKERS, DIFFUSERS, RETURN AIR GRILLES AND ACCESS PANELS TO BE REVIEWED AND APPROVED BY THE DESIGNER BEFORE INSTALLATION.						
	CONTRACTOR TO INCLUDE FIRE DAMPERS FOR ALL RELOCATED AND/OR NEW LIGHT FIXTURES, DIFFUSERS AND RETURN AIR GRILLES TO CONFORM WITH ALL FIRE AND LOCAL BUILDING CODES (FOR PROJECTS WHERE APPLICABLE).	\vdash					
2.	WHERE FIXTURES PENETRATE A FIRE RATED CEILING, THEY SHALL BE ENCLOSED WITH A SUITABLE FIRE RATED ENCLOSURE ABOVE THE CEILING AND MATCH THE FIRE RATED ASSEMBLY REQUIRED BY THE LOCAL BUILDING CODE REQUIREMENTS.						
	CONTRACTOR TO CLEAN AND INSPECT ALL EXISTING LIGHT FIXTURES, INCLUDING ONES DENOTED TO BE REMOVED AND/OR RELOCATED, FOR PROPER OPERATION AND REPAIRED AND RE-LAMP AS NECESSARY TO MAKE FULLY FUNCTIONAL PRIOR TO BEING PUT BACK INTO SERVICE. REPLACE ALL DAMAGED LENSES AS NECESSARY.						
	THE CONTRACTOR IS TO PROVIDE EMERGENCY AND EXIT LIGHTS AS REQUIRED BY THE LOCAL BUILDING CODE REQUIREMENTS. REFER TO ELECTRICAL CONSULTANT DRAWINGS FOR LOCATION AND SPECIFICATIONS.						
	WHERE POWER IS SUPPLIED TO A FURNITURE SYSTEM VIA POWER POLE, THE CONTRACTOR SHALL PROVIDE A JUNCTION BOX ABOVE THE CEILING AS REQUIRED FOR NEW AND RELOCATED. REFERENCE THIS DRAWING IN CONJUNCTION WITH THE POWER & COMMUNICATIONS PLAN (I-1003) FOR ALL LOCATIONS OF POWER POLES.						
6.	THE GENERAL CONTRACTOR IS TO INCLUDE ALL ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL WORK.	no.		by	description		
7.	FOR CEILING HUNG WINDOW TREATMENTS, BULKHEADS, PROJECTION SCREEN ETC., CONTRACTOR SHALL PROVIDE ADEQUATE STRUCTURAL BLOCKING AND FRAMING	REV	'ISIONS				
8.	WITHIN THE CEILING CAVITY TO ENSURE SAFETY AND STABILITY OF INSTALLED ITEM. A REMAINING CEILING THAT IS NOT CONTINUOUS WHERE PARTITIONS AND WALLS ARE						
	DEMOLISHED IS TO BE REPLACED TO PROVIDE A CONTINUOUS GRID. UNLESS OTHERWISE INDICATED WITH DIMENSIONS, ALL POT LIGHTS AND WALL						
	WASHERS SHALL BE LOCATED AT CENTER OF CEILING TILES OR GWB BULKHEAD. ALL GWB CEILINGS IN WET AREAS SHALL BE CONSTRUCTED WITH WATER RESISTANT						
	GWB AND WATERPROOFING TREATMENTS TO CONTRACTOR'S SPECIFICATION.	04	16AUG24	AH	ISSUED	D FOR TENDER	
۱.	UNLESS OTHERWISE SPECIFIED AS SWITCHES WITH INDIVIDUAL CONTROL SWITCHES AND CIRCUITS, ALL LIGHT FIXTURES SHALL BE CONTROLLED FROM BASE BUILDING ZONED SWITCHES.	03	13AUG24	AH	ISSUED	D FOR PERMIT	
	ALL SWITCHES INDICATE LOCATION ONLY. REFER TO ELECTRICAL CONSULTANT'S DRAWINGS FOR CIRCUITRY OF SWITCHES AND RELATED SPECIFICATIONS.	02	08AUG24	AH	ISSUEE	D FOR 90% REV	IEW
3.	ALL SWITCHES TO BE LOCATED 900mm-1100mm AFF.		08JUL24	AH		D FOR COORDI	NATION
4.	ALL EXISTING EXPOSED BULKHEADS AND/OR DUCTS NOT BEING USED FOR MECHANICAL OR ELECTRICAL SERVICES SHALL BE REMOVED WHERE INDICATED.	no. ISSU	date IED	by	description	I	
	THE CONTRACTOR IS TO ARRANGE AND COORDINATE ALL TEMPORARY SHUTDOWNS AS REQUIRED WITH THE LANDLORD AND/OR TENANT.		AI	シ			
	THE CONTRACTOR IS TO PROVIDE ZONE CONDUIT IN THE CEILINGS AND WALLS FOR POWER AND COMMUNICATION CABLES IN ACCORDANCE WITH THE LOCAL BUILDING CODE REQUIREMENTS.		Amanda Knatch		2	mn	20
	ELECTRICAL CONSULTANT TO SPECIFY A MINIMUM QUANTITY AND SIZE FOR ALL ACCESS PANELS.	1		ла-ти <u></u>			
8.	ANY DISCREPANCIES BETWEEN DESIGN AND ENGINEERING DRAWINGS TO BE REPORTED TO DESIGNER IMMEDIATELY.		the Designe	RCGIO TO OLO	\$/		
9.	CONTRACTOR TO REFER TO WALL FINISH PLAN #1-1005 FOR PAINT FINISHES ALL CEILING DETAIL.	projec					
0.	FOR ALL MUD-IN CEILING FLUSH RECESSED LIGHT FIXTURES, CONTRACTOR TO ENSURE SMOOTH FINISH. REFER TO RECESSED LIGHT FIXTURE DETAIL(S) #/I-1002.	N	MPAC				
	CONTRACTOR TO LAYOUT ALL ACCENT LIGHTING LOCATIONS FOR DESIGNER'S REVIEW / APPROVAL PRIOR TO INSTALLATION. CONTRACTOR TO ADVISE CONSULTANT IMMEDIATELY UPON DISCOVERY OF ANY INTERFERENCES WITH STRUCTURAL MEMBERS, DUCTS, PIPES OR OTHER BUILDING SERVICES THAT WILL AFFECT LIGHTING LAYOUT.	1	340 PIC OTH FLC ICKERIN	OR	_	PKWY	
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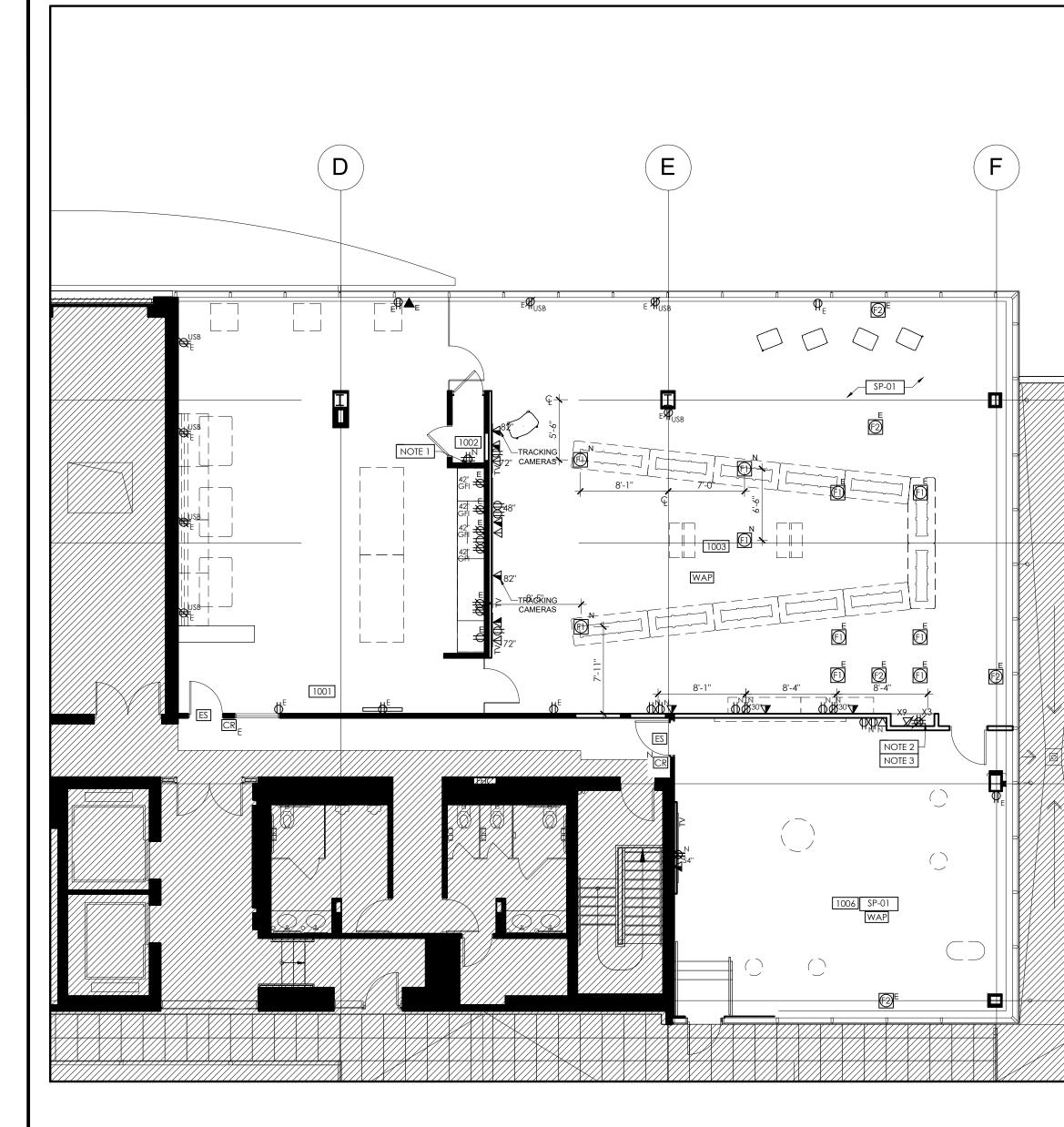
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 scale

 1/8"=1'-0"

24-1008 cad file: 24-1008_I-1002 drawing no.

I-1002



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symbol	DESCRIPTION
	DENOTES EXISTING PARTITION TO REMAIN
	DENOTES NEW PARTITION
Φ	12V, 15A, DUPLEX GROUND RECEPTACLE UNLESS OTHERWISE NOTED
${\not\!\!D}^{\#}$	WALL MOUNTED DUPLEX RECEPTACLE AT #" ABOVE FINISHED FLOOR
$\Phi^{\rm USB}$	WALL MOUNTED DUPLEX AND USB RECEPTACLE
$\mathbf{\Phi}_{\mathbf{N}}$	NEW WALL MOUNTED QUAD RECEPTACLE
Ē	EXISTING FLOOR MONUMENT TO REMAIN.
	EXISTING FLOOR MONUMENT TO REMAIN.
Ð	NEW RECESSED FLOOR MONUMENT TO INCLUDE: - FLIP DOWN TRAP DOOR FOR CABLE ACCESS - (2) BLANK DECORATORS INSERTS - (2) AV INSERTS (NETWORK CABLING BY AVG) - (2) DUPLEX RECEPTACLES NOTE: ALL TO BE GANGED INTO ONE ENCLOSURE
V	WALL MOUNTED SINGLE GANG DATA ROUGH-IN
▼	WALL MOUNTED TELEPHONE OUTLET (TO MATCH EXISTING HEIGHT OR 16" AFF)
∇	WALL MOUNTED DOUBLE GANG DATA ROUGH-IN (TO MATCH EXISTING HEIGHT OR 16" AFF)
CR	CARD READER - MOUNTED AT 42" A.F.F., O.C. <u>LOCATION FOR</u> <u>COORDINATION ONLY, SECURITY CONSULTANT TO INSTALL.</u> COORDINATE WITH ELECTRICAL ENGINEER'S DRAWINGS.
WAP	WIRELESS ACCESS POINT
ES	ELECTRIC STRIKE - MOUNTED AT 42" A.F.F., O.C. COORDINATE WITH ELECTRICAL ENGINEER'S DRAWINGS.
E	DENOTES EXISTING ELECTRICAL EQUIPMENT TO REMAIN
R	DENOTES EXISTING ELECTRICAL TO BE REMOVED/RELOCATED
Ν	DENOTES NEW ELECTRICAL
AFF	ABOVE FINISHED FLOOR
	AREA NOT IN CONTRACT (NIC)

EQUIPMENT LEGE	END

Symbol	DESCRIPTION	
E1	PRINTER	
E2	LARGE PRINTER	
E3	FAX MACHINE	
E4	COPIER	
E5	VIDEO CONFERENCING UNIT	
E6	FLAT SCREEN TELEVISION	
E7	Smart Board	
E8	CEILING MOUNTED PROJECTOR	
E9	CEILING MOUNTED TELEVISION	
E10	BAR FRIDGE	
E11	REFRIGERATOR (FULL SIZE)	
E12	MICROWAVE	
E13	COFFEE MAKER	
E14	WATER COOLER	
E15	VENDING MACHINE	
E16	DISHWASHER	
E17	TELEPHONE	

DRAWING NOTES			
SYMBOL	DESCRIPTION		
NOTE 1	NEW EQUIPMENT RACK TO BE ADDED, REFER TO AVG DRAWINGS FOR MORE INFORMATION		
NOTE 2	CONTRACTORS TO PROVIDE CONDUIT FOR ELECTRICAL NETWORK CABLING BY AVG.		
NOTE 3	CONTRACTORS TO REFER TO THE MILLWORK DRAWING (X-1-1008) FOR OUTLET HEIGHTS		

SEPARATE PRICE ITEMS		
SYMBOL	DESCRIPTION	
SP-01	SEPARATE PRICE - ITEM 1 CONTRACTOR TO PROVIDE PRICE TO REMOVE DECOMMISSIONED FLOOR BOXES. WILL ONLY BE REMOVED WHERE CARPET IS BEING REPLACED.	
REFER TO I-000 FOR COMPLETE SEPARATE PRICING LIST		

POWER & COMMUNICATION NOTES THIS DRAWINGS & NOTES TO BE READ IN CONJUNCTION WITH GENERAL NOTES, REFER TO DRAWING #1-000. 2. THE ENTIRE DRAWING PACKAGE TO BE REFERENCED AND REVIEWED AS A WHOLE. 3. THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL ENGINEER'S DRAWINGS AND SPECIFICATIONS. 4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONSTRUCTION SPECIFICATIONS AND DOCUMENTS. 5. REFER TO I-1002 FOR LOCATION OF ANY LIGHT FIXTURES AND SWITCHING. 6. REFER TO ELECTRICAL AND MECHANICAL CONSULTANT'S DRAWINGS FOR SPECIAL CONDITIONS, CIRCUITRY, THERMOSTATS AND FIRE PROTECTION EQUIPMENT. NOTE TO CONSULTING ENGINEERS: LOCATIONS FOR THERMOSTATS, DIFFUSERS, OUTLETS, HEATERS, ACCESS PANELS, ENUNCIATOR PANELS AND FIRE BELLS MUST BE BENNETT VERIFIED WITH THE DESIGNER. 8. ANY DISCREPANCIES OR DEVIATIONS MUST BE REPORTED TO THE DESIGNER IN WRITING PRIOR TO INSTALLATION. **BENNETT** DESIGN 9. LOCATIONS OF POWER AND COMMUNICATION OUTLETS FOR GENERAL PURPOSES ARE INDICATED ON THIS DRAWING. REFER TO ELECTRICAL ENGINEERING DRAWINGS 10 Douglas Road FOR ALL CIRCUITRY AND SPECIAL OUTLET CONDITIONS, ETC. Uxbridge, ON. L9P 1S9 10. FINAL LOCATION FOR ALL ELECTRICAL OUTLETS TO BE CONFIRMED ON SITE BY **Tel**. 905 . 852 . 4617 DESIGNER PRIOR TO INSTALLATION. bennettdesign.ca 11. WHERE BASE-POWER-IN IS LOCATED ON THIS DRAWING, ALL TELEPHONE AND COMMUNICATIONS WILL BE INSTALLED THROUGH FURNITURE SYSTEM AND THEREFORE REQUIRES EXTRA LENGTH OF CABLE. GENERAL NOTES 12. BASE-POWER-IN SUPPLIED BY FURNITURE SUPPLIER, HARD WIRE CONNECTION AND ANY SPECIAL COVER PLATES BY ELECTRICAL CONTRACTOR. THIS DRAWING IS THE PROPERTY OF BENNETT DESIGN ASSOCIATES INC. AND CANNOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. 13. CORE DRILLING FOR FLOOR MONUMENTS SHALL ONLY BE CARRIED OUT AFTER ALL MEASUREMENTS MUST BE VERIFIED ON SITE BY CONTRACTOR AND REPORT LOCATIONS ARE MARKED BY CONTRACTOR AND APPROVED BY DESIGNER AND ANY DISCREPANCIES TO BENNETT DESIGN ASSOCIATES INC. BEFORE PRIOR TO CARPET / FLOOR FINISH INSTALLATION. PROCEEDING WITH THE WORK. do not scale drawings. 14. CONTRACTOR TO SCAN FLOOR SLAB PRIOR TO INSTALLING ANY AND ALL FLOOR MONUMENTS TO DETERMINE FEASIBLE LOCATION. 15. ELECTRICAL CONTRACTOR TO CHALK ALL ROUGH INS PRIOR TO CUTTING, DRILLING FOR APPROVAL ON SITE BY DESIGNER. ANY OPEN OFFICE CORE DRILLS, ELECTRICAL CONTRACTOR TO CHALK OUT SYSTEM FURNITURE PANEL LINES AS WELL FOR APPROVAL ON SITE BY DESIGNER. ANY CORE DRILLS SHALL BE APPROVED BOTH PRIOR TO AND AFTER X-RAY. 16. WHERE FLOOR MONUMENTS ARE GROUPED TOGETHER, BUTT MONUMENTS AS TIGHTLY AS POSSIBLE. 17. ALL EXISTING FLOOR MONUMENTS NOT ON THIS DRAWING TO BE CAPPED AND FLUSH FILLED TO ACCEPT NEW FLOOR FINISH. 18. EXISTING FLOOR OUTLETS TO REMAIN WHERE POSSIBLE UNLESS NOTED OTHERWISE, EXISTING FLOOR MONUMENTS TO BE REMOVED AND REINSTALLED AFTER CARPET INSTALLATION. 19. ANY WIRING (SWITCH, THERMOSTAT, TELEPHONE, ELECTRICAL OUTLET, ETC.) IN EXISTING WALLS THAT ARE DESIGNATED TO BE DEMOLISHED, ARE TO BE REMOVED OR TERMINATED IN ACCORDANCE WITH THE LOCAL BUILDING ELECTRICAL CODES. REFER TO DEMOLITION PLAN I-1000/I-1000.1. 20. EXISTING TELEPHONE MONUMENTS TO BE CAPPED OR TEMPORARILY REMOVED (FOR CARPETING): TELEPHONE COMPANY TO DISCONNECT AND RECONNECT. CONTRACTOR TO COORDINATE THIS WORK WITH THE TELEPHONE COMPANY. 21. OUTLETS SHALL BE GANGED TOGETHER WHEREVER POSSIBLE. PROVIDE MULTI-GANG FACE PLATES. IF NOT POSSIBLE, SPACING BETWEEN COVER PLATES SHALL BE 1". 22. ALL OUTLETS ABOVE MILLWORK TO BE MOUNTED HORIZONTALLY. 23. THE CONTRACTOR SHALL SUPPLY 8-WIRE SERVICE TO ALL BASE-POWER-IN LOCATIONS INDICATED ON THIS DRAWING. 24. VOICE AND DATA CABLES AND COVER PLATES TO BE SUPPLIED AND INSTALLED BY OTHERS. ALL DATA & CABLING BY: AVG CONTACT NAME: IAN ZINCK TELEPHONE: 289-383-4920 25. REPLACE ALL EXISTING COVER PLATES WITH JOB STANDARD COVER PLATE. COVER PLATE SPEC MANUFACTURER: DECORA COLOUR/FINISH: WHITE 26. REPLACE ALL EXISTING WALL RECEPTACLES, SWITCHES, ETC., TO MATCH NEW date by description SPECIFICATION IN TYPE AND FINISH. REVISIONS 27. EXISTING WALL OUTLETS TO REMAIN WHEREVER POSSIBLE, UNLESS NOTED OTHERWISE. 28. ALL OUTLETS, SWITCH PLATES AND COVER PLATES TO BE INSTALLED STRAIGHT AND LEVEL AND TO MATCH IN HEIGHT AND APPEARANCE TO THOSE IN THE EXISTING space. 29. ALL NEW OUTLETS TO BE MOUNTED AT 16" AFF, UNLESS NOTED OTHERWISE. 30. ALL DIMENSIONS ARE TO THE CENTER LINE OF AN OUTLET OR GROUP OF OUTLETS. 31. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FINISHED SURFACES UNLESS NOTED OTHERWISE. 04 16AUG24 AH ISSUED FOR TENDER 32. DO NOT INSTALL WALL MOUNTED OUTLETS BACK TO BACK, STAGGER AS REQUIRED TO PREVENT SOUND TRANSFER. 03 13AUG24 AH ISSUED FOR PERMIT 33. ELECTRICAL ENGINEER TO CONFIRM WITH CLIENT, POWER AND DATA REQUIREMENTS 02 08AUG24 AH ISSUED FOR 90% REVIEW OF ALL SPECIAL EQUIPMENT AND LOCATE ALL CONNECTING LINES ON ELECTRICAL DRAWINGS.)1 08JUL24 AH ISSUED FOR COORDINATION 34. CONTRACTOR SHALL ARRANGE AND COORDINATE ALL TEMPORARY POWER SHUT DOWNS WITH BUILDING OWNER. date by description 35. CONTRACTOR TO REFER TO SECURITY DRAWING FOR ALL SECURITY REQUIREMENTS ISSUED (CAMERA LOCATIONS, ETC.) 36. CONTRACTOR TO COORDINATE WITH CLIENT AND RELATED GROUPS FOR: A. TELEPHONE AND DATA ELECTRICAL INSTALLATION B. SOUND SYSTEM C. SECURITY SYSTEM mpac Knatchbull-Hugessen 37. ELECTRICAL CONTRACTOR TO VACUUM AND REMOVE ALL DIRT AND GARBAGE FROM THE HEADER DUCTS AND SEE THAT ALL HOLD-DOWN SCREWS ARE REPLACED. 38. ELECTRICAL CONTRACTOR TO COMPLETE HARDWIRE CONNECTIONS FOR POWER POLES/BASE-POWER-IN TO SYSTEMS FURNITURE IN TANDEM FURNITURE INSTALLATION. REFER TO NOTE #11. 39. CONTRACTOR TO INCLUDE FOR DISCONNECT OF EXISTING LOCATION AND HOOK-UP OF CLIENTS DISHWASHER, VENDING MACHINES AND COFFEE MACHINES AT NEW LOCATION. ALLOW FOR PREMIUM TIME (EVENINGS AND WEEKENDS) FOR MPAC AFTER BUSINESS HOURS. 1340 PICKERING PKWY 40. CONTRACTOR IS TO INCLUDE A SEPARATE PRICE FOR ELECTRICIAN TO DISCONNECT SYSTEMS FURNITURE AT EXISTING SITE AND HARDWIRE UPON DELIVERY OF FURNITURE 10TH FLOOR AT NEW SITE. ALLOW FOR PREMIUM TIME (EVENINGS AND WEEKENDS) FOR AFTER BUSINESS HOURS. PICKERING, ON awing title POWER & COMMUNICATIONS PLAN 24-1008 14FEB24

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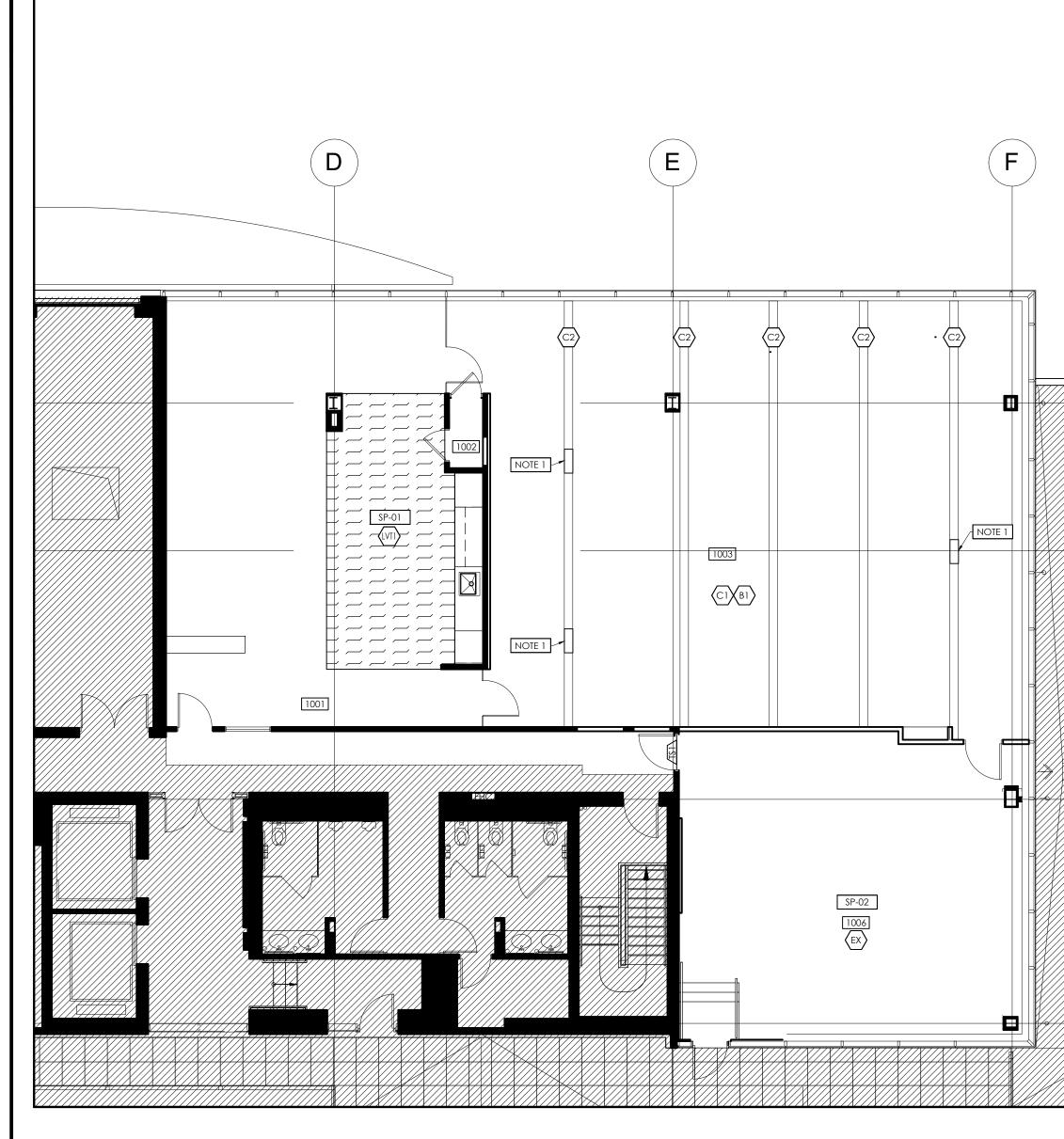
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1/8"=1'-0"



FLOOR FINISH LEGEND
SYMBOL DESCRIPTION
DENOTES EXISTING PARTITION TO REMAIN
DENOTES NEW PARTITION
CARPET TILE - FIELD: C1 (SEPARATE PRICE ITEM SP-02) MANUFACTURER: SHAW CONTRACT SERIES: BASALT II COLOUR: SLATE 98481 SIZE: 9" X 36" INSTALL METHOD: BRICK SUPPLIER/TEL: BRETT VAN PELT / 416.938.6712 / brett.van.pelf@shawcontract.com
CARPET TILE - ACCENT: C2 MANUFACTURER: SHAW CONTRACT SERIES: SUSPEND TILE COLOUR: DEEP SKY 88485 SIZE: 9" X 36" INSTALL METHOD: MONOLITHIC SUPPLIER/TEL: BRETT VAN PELT / 416.938.6712 / brett.van.pelf@shawcontract.com
LUXURY VINYL TILE: LVT1 (SEPARATE PRICE ITEM SP-01) MANUFACTURER: TARKETT SERIES: EVENT + WOOD COLOUR: PACIFIC WALNUT - PECF 11218 NG SIZE: 48" X 6" PLANK INSTALL METHOD: UNI-DIRECTIONAL SUPPLIER/TEL: VICTORIA KITELEY / 416.770.2319. / victoria.kiteley@tarkett.com
AREA NOT IN CONTRACT (NIC)
BASE TYPE LEGEND
SYMBOL DESCRIPTION
B1 SP-02 VINYL WALL BASE: B1 (SEPARATE PRICE ITEM SP-02) MANUFACTURER: TARKETT - JOHNSONITE SERIES: MILLWORK - MONUMENT COLOUR: CHARCOAL - MW 20 S4 SIZE: 4" SUPPLIER/TEL: VICTORIA KITELEY / 416.770.2319. / victoria.kiteley@tarkett.com NOTES: TO BE PRICED AS PART OF SEPARATE PRICE ITEM SP-02, ONLY TO BE USED IN AREAS WHERE NEW 'C1' IS INSTALLED.
TRANSITION STRIP LEGEND
SYMBOL DESCRIPTION
TRANSITION STRIP: TS1 MANUFACTURER: SERIES: COLOUR: CONDITION:
DRAWING NOTES
SYMBOL DESCRIPTION
NOTE 1 EXISTING CARPET (OR 'C1') TO BE NOTCHED IN 'C2' CARPET WHERE DIMENSIONED.
SEPARATE PRICE ITEMS
SYMBOL DESCRIPTION
SP-01 SEPARATE PRICE - ITEM 1 CONTRACTOR TO PROVIDE PRICE TO INSTALL NEW LVT1 AND LVT2 AT EXTENT SHOWN.
SP-02 SP-02 SP-02 SP-02 SP-02 SP-02 SP-02 SEPARATE PRICE - ITEM 2 CONTRACTOR TO PROVIDE PRICE TO REMOVE EXISTING CARPET FINISH AND BASE AT EXTENT SHOWN. REPLACE EXISTING CARPET WITH C-1 AND C-2 ACCENTS AS SHOWN.

	THIS DRAWINGS & NOTES TO BE READ IN CONJUNCTION WITH GENERAL NOTES, REFER		
	TO DRAWING #1-000. THE ENTIRE DRAWING PACKAGE TO BE REFERENCED AND REVIEWED AS A WHOLE. THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL ENGINEER'S DRAWINGS AND SPECIFICATIONS.		
	THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONSTRUCTION SPECIFICATIONS AND DOCUMENTS. THE CONTRACTOR IS TO MAKE GOOD ALL AREAS TO RECEIVE NEW FLOOR FINISHES.		
5.	ALL MATERIALS SPECIFIED ARE TO BE SUPPLIED BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.		
	THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL FLOOR FINISH SPECIFICATIONS, EXECUTION AND INSTALLATION GUIDES PROVIDED IN MANUFACTURER'S DOCUMENTATION.		
	CONCRETE SLAB TO BE CLEAN, SOUND AND LEVEL PRIOR TO INSTALLATION OF FLOOR FINISHES - CRACKS TO BE FILLED, OLD GLUE TO BE REMOVED. THE CONTRACTOR IS TO LIFT AND DISPOSE OF OLD CARPET AND BASE AND DISPOSE OF RESPONSIBLY. REFER TO DEMOLITION PLAN #I-X00.		BENNETT DESIGN
9.	SURFACES TO RECEIVE NEW CARPET SHALL BE DRY, CLEAN AND FREE OF RIDGES AND DUST. THE CONTRACTOR IS TO ENSURE THAT THE NEW CARPET IS VACUUMED UPON COMPLETION OF INSTALLATION.		10 Douglas Road Uxbridge, ON. L9P 1S9 Tel . 905 . 852 . 4617
0.	INSTALL CARPET AFTER ALL FINISHING TRADES HAVE COMPLETED THEIR WORK, EXCEPT WHERE CARPET EXTENDS UNDER PARTITIONS.		bennettdesign.ca
	WHERE CARPET IS JOINED OR TERMINATED AT DOORWAYS, LOCATE THE SEAM OR TERMINATION UNDER DOORS IN ITS CLOSED POSITION. PROVIDE SEAMING PLAN INDICATING SEAM LOCATIONS (AWAY FROM HIGH TRAFFIC AREAS) PRIOR TO ORDERING OF GOODS FOR DESIGNER'S APPROVAL. DIRECTION OF GRAIN TO BE CONSISTENT. NO CROSS SEAMS. SEAMS TO BE AS CONCEALED AS POSSIBLE	© TH	ENERAL NOTES
	PROVIDE ALL SEAM WELDS AS REQUIRED TO COMPLETE THE WORK AS INDICATED ON DRAWINGS AND FINISH SCHEDULE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	AL AN PR	ANNOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. .L MEASUREMENTS MUST BE VERIFIED ON SITE BY CONTRACTOR AND R NY DISCREPANCIES TO BENNETT DESIGN ASSOCIATES INC. BEFORE OCEEDING WITH THE WORK.
	THE CONTRACTOR IS TO INSTALL ALL FLOOR FINISHES AS SPECIFIED AND AS PER MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, OR CONTRACTOR WILL BE HELD RESPONSIBLE FOR FAULTY APPLICATION.	© DC	D NOT SCALE DRAWINGS.
4.	THE CONTRACTOR IS TO COORDINATE INSTALLATION OF CARPET WITH INSTALLATION OF OTHER FLOOR AND BASE MATERIALS.		
5.	ALL MATERIALS TO BE AS SPECIFIED OR EQUAL - ANY ALTERNATIVES ARE SUBJECT TO APPROVAL BY DESIGNER/CLIENT.		
	INSTALLER TO ENSURE SMOOTH LEVEL TRANSITION BETWEEN DIFFERENT FLOORING.		
	CONTRACTOR TO MOCK UP ALL FLOOR FINISH PATTERNS FOR DESIGNER'S/CLIENT'S		
	REVIEW/APPROVAL PRIOR TO PERMANENT INSTALLATION.		
20.	TERMINATES. FLOOR FINISHES SHALL EXTEND UNDER ALL RADIATORS/CONVECTORS AND NEW		
	MILLWORK UNITS. THE CONTRACTOR SHALL FEATHER FLOOR SLABS WHERE TILE AND CARPET MEET TO		
	MAKE A SMOOTH LEVEL TRANSITION. NO BASE REQUIRED AT BRICK VENEER WALLS. INSTALL BASE AFTER CARPET INSTALLATION. EDGE OF BASE TO ALIGN WITH EDGE OF REVEAL AT DOOR/GLAZING FRAMES.		
23.	PROTECT CARPET DURING CONSTRUCTION WITH 6 MIL POLYETHYLENE SHEETS, TAPED AT ALL SEAMS.		
24.	CARPET CONTRACTOR TO NOTIFY DESIGNER IMMEDIATELY UPON FINDING ANY FLAWS OR DEFECTS IN CARPET, OR ANY OTHER FLOOR FINISHES.		
25.	ALL MATERIALS TO HAVE FLAME SPREAD RATING IN ACCORDANCE WITH THE BUILDING CODE.		
26.	THE CONTRACTOR IS TO ENSURE SAME DYE LOT WHEN ORDERING SPECIFIED FINISHES TO AVOID COLOR VARIANCE.		
27.	CARPET CONTRACTOR IS TO PROVIDE BINDER BAR WHERE CARPET BUTTS VINYL TILE OR OTHER FLOORING. FINISH: XXXXXXX.		
28.	CARPET CONTRACTOR IS TO FOLLOW RECOMMENDED MANUFACTURER'S DIRECTIONS AND MATERIALS WHERE CARPET TILES WITH RELEASE GLUE ARE BEING USED.	no.	date by description
	SHOP DRAWINGS FOR INSTALLATION OF RAISED FLOOR TO BE SUBMITTED TO DESIGNER FOR APPROVAL.		ISIONS
	WHERE A SHOWER IS SPECIFIED, CONCRETE FLOOR IS TO BE SLOPED TOWARD DRAIN. CONTRACTOR TO INSTALL WATERPROOF MEMBRANE, SCHLUTER OR EQUAL, WHERE SHOWERS ARE SPECIFIED. MEMBRANE TO ENCOMPASS ENTIRE SHOWER, INCLUDING WALLS. ALL SEAMS TO BE CLOSED WITH WATERPROOFING STRIPS. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.		
32.	COORDINATE WITH THE CARPET MANUFACTURER AND THE OWNER FOR FINAL QUANTITY REQUIREMENTS AND DELIVERY OF FLOOR FINISHES TO COMPLY WITH THE CONSTRUCTION SCHEDULE.		
33.	CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES TO SURFACES, FINISHES AND MATERIALS DUE TO THE WORK UNDER THIS CONTRACT AND WILL BEAR ALL COSTS		
34.	SUBMIT 3 PIECES MINIMUM #" X #" OF EACH TYPE OF FLOOR FINISH FOR DESIGNER'S	03	16AUG24 AH ISSUED FOR TENDER
	REVIEW. REMOVE EXCESS ADHESIVE FROM VINYL FLOOR, BASE AND WALL SURFACE WITHOUT		13AUG24 AH ISSUED FOR PERMIT
	DAMAGE. CLEAN, SEAL, WAX FLOOR AND BASE SURFACES TO FLOORING MANUFACTURER'S INSTRUCTION.	01 no.	08AUG24 AH ISSUED FOR 90% REVIEW date by description
36.	INTERIOR FINISHES TO COMPLY WITH MAXIMUM THICKNESS, FLAME SPREAD RATINGS AND SMOKE DEVELOPED CLASSIFICATIONS AS IDENTIFIED IN SUBSECTIONS 3.1.5., 3.1.12, AND 3.1.13 OF DIVISION B OF 2012 OBC, INCLUDING BEING BASED ON	ISSU	ED
	TRIPLICATE TESTING TO CAN/ULC \$102 OR CAN/ULC \$102.2 AS APPLICABLE. SUBMIT DOCUMENTATION TO BUILDING INSPECTOR UPON REQUEST.		AID
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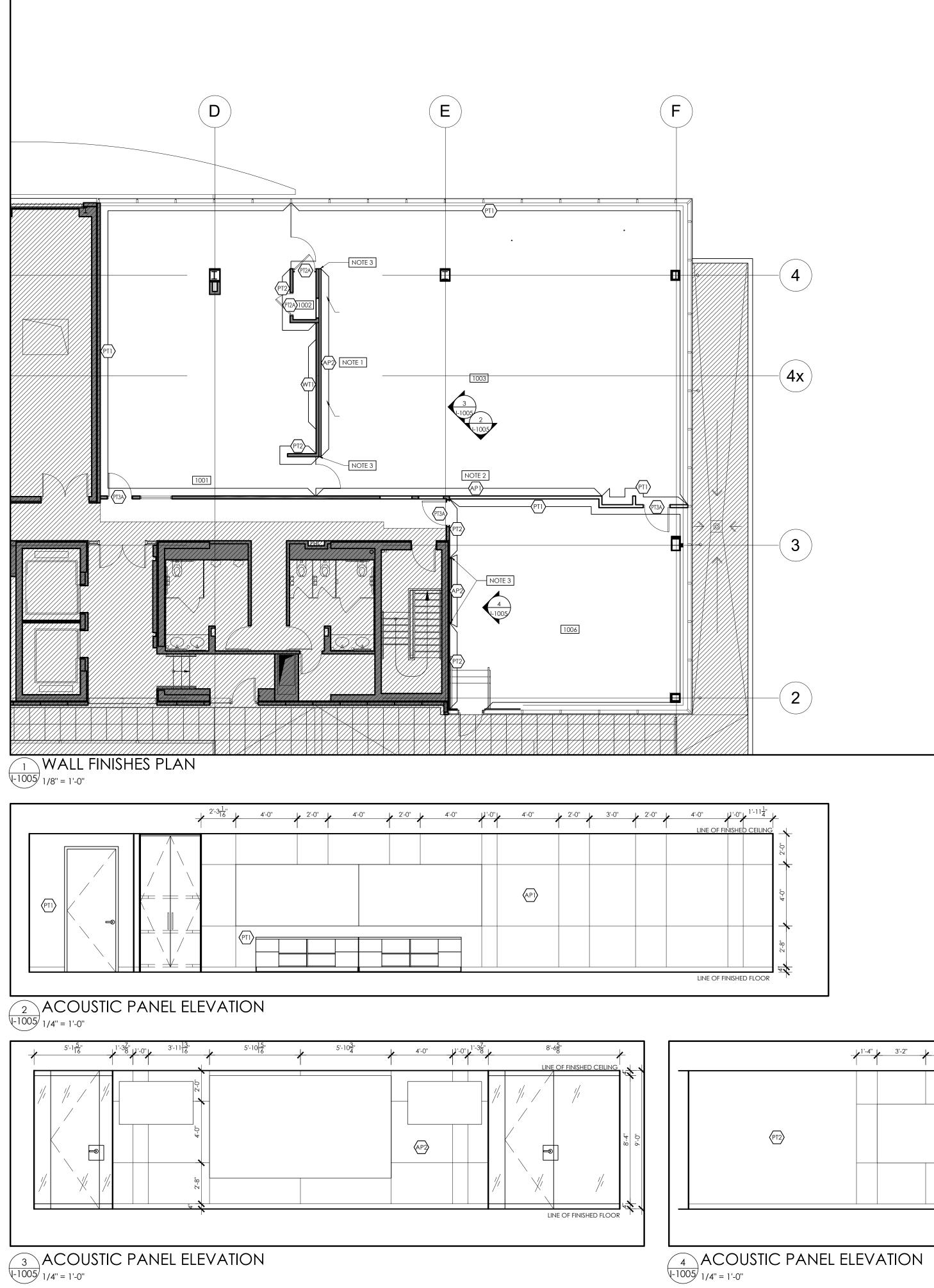
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Symbol	DESCRIPTION
	DENOTES EXISTING PARTITION TO REMAIN
	denotes new partition
(PTI)	FIELD PAINT: PT1 (OFF WHITE) MANUFACTURER: BENJAMIN MOORE COLOUR: OC-28 COLLINGWOOD FINISH: EGGSHELL
(PT2)	ACCENT PAINT: PT2 (BLUE) MANUFACTURER: BENJAMIN MOORE COLOUR: 2129-30 BLUE NOTE FINISH: EGGSHELL
(PT2A)	DOOR & FRAME PAINT: PT2A (BLUE) MANUFACTURER: BENJAMIN MOORE COLOUR: 2129-30 BLUE NOTE FINISH: SEMI-GLOSS
(PT3)	ACCENT PAINT: PT3 (CHARCOAL) MANUFACTURER: BENJAMIN MOORE COLOUR: 2134-30 IRON MOUNTAIN FINISH: EGGSHELL
PT3A	DOOR & FRAME PAINT: PT3A (CHARCOAL) MANUFACTURER: BENJAMIN MOORE COLOUR: 2134-30 IRON MOUNTAIN FINISH: SEMI-GLOSS NOTE: ALL FIRE RATED DOORS AND FRAMES TO BE PAINTED WITH INTUMESCENT PAINT
	BULKHEADS TO BE PAINTED AS PER WALL FINISH PLAN
(AP)	ACOUSTIC PANEL: AP1 MANUFACTURER: ACOUFELT COLOUR: GREY - GR03 SERIES: SOLID PANEL THICKNESS: 12MM CONTACT: ROBIN WARD T: 647.244.0581 E: robin.ward@acoufelt.com
(AP2)	ACOUSTIC PANEL: AP2 MANUFACTURER: ACOUFELT COLOUR: SHIRAZ - SH63 SERIES: SOLID PANEL THICKNESS: 12MM CONTACT: ROBIN WARD T: 647.244.0581 E: robin.ward@acoufelt.com
(TI)	WALL TILE: WT1 - KITCHEN BACKSPLASH MANUFACTURER: OLYMPIA TILE SERIES: COLOUR & DIMENSION COLOUR: TENDER GREY BRIGHT SIZE: 5.3 CM X 21.8CM PRODUCT CODE: QT.CD.TGR.0208.BR GROUT SPEC: MAPEI TBC INSTALL METHOD: FROM TOP OF COUNTER TO U/S OF CEILING, REFER TO MILLWORK ELEVATIONS SUPPLIER/TEL:
	AREA NOT IN CONTRACT (NIC)
DRAWING	NOTES
SYMBOL	DESCRIPTION
NOTE 1	CONTRACTOR TO COORDINATE EXTENT OF ACOUSTIC PANEL WITH AV CONSULTANT DRAWINGS. PROVIDE OPENING IN PANELS FOR INSTALLATION OF DISPLAY, BRACKETS AND OUTLETS.
	CONTRACTOR TO COORDINATE EXTENT OF ACOUSTIC PANEL
NOTE 2	WITH GLASSBOARD INSTALLATION. REFER TO ELEVATION 2/1007 FOR DIMENSIONS.
NOTE 2	WITH GLASSBOARD INSTALLATION. REFER TO ELEVATION 2/1007

PT2 PT2 LINE OF FINISHED FLOOR		1'-4" <u>3'-2"</u>	<u>→ 3'-2"</u> → 1'-4"	7'-4 <u>13</u> "
	(PT2)			3.3" O.C. 13 3.3" O.C. 13 3.3" O.C. 13 4 2.9"

WALL FINISH NOTES 1. CEILING HEIGHT: 9'-0" 2. THIS DRAWINGS & NOTES TO BE READ IN CONJUNCTION WITH GENER TO DRAWING #I-000. 3. THE ENTIRE DRAWING PACKAGE TO BE REFERENCED AND REVIEWED 4. THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL A ENGINEER'S DRAWINGS AND SPECIFICATIONS. 5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONSTRUCTION WITH ALL CONSTRUCTUON WITH ALL WITH ALL WITH ALL WITH ALL WITH WITH ALL WITH WITH ALL W SPECIFICATIONS AND DOCUMENTS. 6. THE CONTRACTOR IS TO PROVIDE ALL MATERIALS, LABOUR, EQUIPMI SERVICES AS NECESSARY FOR A SOLID INSTALLATION TO COMPLETE INDICATED ON PLANS. STORE ALL MATERIALS ON SITE IN A SPACE DESIGNATED BY THE LAND STORAGE SPACE TO BE KEPT CLEAN, REMOVE ANY OIL RAGS, WASTE BUILDING EVERY NIGHT TO TAKE EVERY PRECAUTION TO AVOID THE I IN NO CASE SHALL AMOUNT OF MATERIALS EXCEED THAT PERMITTED 8. ALL MATERIALS ARE TO BE AS SPECIFIED OR EQUAL, ANY ALTERNATIV FLAME SPREAD RATING AS REQUIRED BY LOCAL BUILDING CODE AN TO APPROVAL BY DESIGNER/CLIENT. 9. THE CONTRACTOR IS TO CONFIRM ALL COLOURS, FINISHES AND MA 10. SUBMIT THREE (3) - 12" X 12" DRAW DOWN SAMPLES OF EACH PAINT DESIGNER'S APPROVAL PRIOR TO APPLICATION. 11. CONTRACTOR TO REMOVE ANY EXISTING WALLCOVERING AND PRE APPLICATION OF NEW FINISHES. 12. CONTRACTOR TO REMOVE ALL EXISTING APPLIED SIGNS, COVER PLA PREPARING SURFACE FOR APPLICATION OF NEW FINISHES. REINSTALL REQUIRED. 13. ALL SURFACES TO BE SANDED, FILLED AND PREPARED AS REQUIRED 1 FINISH. 14. IF PATCHING OF GWB OCCURS, ENTIRE WALL TO RECEIVE NEW SPEC 15. FINISHED WORK TO BE UNIFORM, OF APPROVED COLOUR, SMOOTH RUNS, SAGS, CLOGGING AND EXCESS FLOODING. MAKE EDGE OF P OTHER COLORS OR MATERIALS SHARP AND CLEAN WITH NO OVERL GLASS ENAMEL IS USED, LIGHTLY SAND UNDERCOAT TO OBTAIN A SI 16. AT COMPLETION CONTRACTOR TO PROVIDE TOUCH UP, RESTORE SI DAMAGED AND LEAVE FINISHED SURFACES IN GOOD CONDITION. 17. WHEN ONE WALL FINISH IS INDICATED WITHIN ENCLOSED AREA, THIS APPLIED TO ALL WALLS, INCLUDING VERTICAL BULKHEADS, PERIMETE COLUMNS, UNLESS NOTED OTHERWISE. 18. ALL WALLS TO BE P1, EGGSHELL FINISH, UNLESS NOTED OTHERWISE. 19. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES TO SURFACES MATERIALS DUE TO THE WORK UNDER THIS CONTRACT, AND WILL BEA INCURRED TO MAKE GOOD, REPAIR OR REPLACE SAME TO DESIGNE 20. THE CONTRACTOR IS TO INCLUDE PAINTING OF METAL DOORS AND DOOR SCHEDULE FOR SPECIFICATIONS. 21. PERIMETER CONVECTOR COVERS AND LINEAR DIFFUSER SURROUND TO MATCH PT1 FINISH UNLESS OTHERWISE NOTED. 22. INTERIOR FINISHES TO COMPLY WITH MAXIMUM THICKNESS, FLAME SF AND SMOKE DEVELOPED CLASSIFICATIONS AS IDENTIFIED IN SUBSEC 3.1.12, AND 3.1.13 OF DIVISION B OF 2012 OBC, INCLUDING BEING TRIPLICATE TESTING TO CAN/ULC \$102 OR CAN/ULC \$102.2 AS APPLI DOCUMENTATION TO BUILDING INSPECTOR UPON REQUEST. ACOUSTIC PANEL: GENERAL CONTRACTOR TO: 34. BE RESPONSIBLE FOR DEFECTIVE ACOUSTIC PANEL APPLICATION DUE

- UNSATISFACTORY WALL SURFACE PREPARATION.
- 35. ENSURE SAME DYE LOT FOR ALL ACOUSTIC PANEL. 36. ROLL OUT WALLCOVERING PRIOR TO INSTALLATION, CHECK FOR FL DESIGNER IMMEDIATELY IF AN ALTERNATIVE IS REQUIRED.
- 37. INDICATE FLAME SPREAD AND FLAMMABILITY STANDARDS FOR ALL A
- 38. REMOVE DUST, DIRT AND GREASE AND SAND SURFACES SMOOTH I ACOUSTIC PANEL

PAINT:

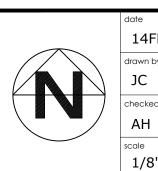
- DELIVER ALL PAINT TO SITE IN THE MANUFACTURER'S LABELED AND SI CONTAINERS. LABELS ARE TO GIVE THE MANUFACTURER'S NAME BRA NUMBER, COLOUR OF PAINT WITH PRINTED INSTRUCTIONS FOR REPRO PAINT ONLY IN ACCORDANCE WITH PRINTED INSTRUCTIONS FROM M
- 2. ALL NEW SURFACES TO BE CLEAN, SMOOTH AND DRY. ALL WALLS MINIMUM ONE (1) COAT OF PRIMER AND TWO (2) COATS OF PAINT. DARK COLOURED WALLS TO RECEIVE MINIMUM (1) COAT OF PRIME (4) COATS OF PAINT. CONTRACTOR TO ALLOW FOR PROPER DRYING COATS OF PAINT BEFORE APPLYING NEXT COAT OF PAINT.

ALL GWB SURFACES: EGGSHELL FINISH PAINT TYPE: LATEX UNLESS NOTED OTHERWISE.

ALL WOOD AND METAL SURFACES: SEMI-GLOSS FINISH PAINT TYPE: LATEX

- 3. GENERAL CONTRACTOR TO ENSURE:
- A. ALL CLOSETS, INCLUDING SHELVES TO BE "P1" UNLESS NOTED OT
- B. ALL CONVECTORS TO BE PAINTED (SPRAYED) WITH AN OIL BASE WALL FINISH PLAN. CONVECTOR UNIT COVERS TO BE REMOVED PAINTING.
- C. ALL BASE BUILDING FIRE HOSE CABINETS, ELECTRICAL PANELS E TO MATCH THE WALL FINISH ON WHICH THEY OCCUR.
- D. ALL EXPOSED WALL GRILLES, PLATES, CONDUIT, ETC. TO BE PAIN THE WALL FINISH ON WHICH IT OCCURS.
- E. ALL REVEALS TO BE PAINTED AS PER WALL FINISH PLAN.
- F. ALL NEW PRESSED STEEL FRAMES AND HOLLOW METAL DOORS T
- WALL FINISH LEGEND. G. ALL DOORS WITH TIMELY PRE-FINISHED FRAMES TO BE PAINTED S
- H. ALLOW FOR PAINT TOUCH-UPS AFTER MILLWORK AND FURNITUR

IERAL NOTES, REFER	 ALL SEAMS IN WALL TILE BASE ARE TO ALIGN WITH SEAMS IN FLOOR TILES. IF VARIANCE OCCURS, DISCUSS WITH THE DESIGNER ON SITE <u>PRIOR</u> TO INSTALLATION. 	
ED AS A WHOLE. AND ELECTRICAL	 ALL GROUTING COMPOUND FOR FLOOR TILE APPLICATION ARE TO BE MADE WATERPROOF AS REQUIRED FOR INTENDED USAGE. REFER TO FLOOR FINISH LEGEND FOR GROUT COLOR. 	
UCTION	3. THE CONTRACTOR IS TO REMOVE GROUT FROM TILE FACE BEFORE IT SETS. SEAL GROUT IMMEDIATELY AFTER SETTING TO PREVENT ANY STAINING.	
ment and e work as	<u>GREEN INITIATIVES:</u> 30. ALL ADHESIVE AND SEALANTS MUST COMPLY WITH VOC LIMITS (AS PER SCAQMP RULE	
NDLORD. SUCH STE ETC. FROM THE E DANGER OF FIRE.	1168).31. ALL PAINTS AND COATINGS USED ON SITE AND WITHIN BUILDING MUST COMPLY WTH VOC LIMITS AS PER SCAQMD RULE 1113 AND GREEN SEAL STANDARDS GS-11 & GS-03.	BENNETT
ED BY LOCAL LAW. TIVES TO HAVE A AND ARE SUBJECT	SUGGESTED ZERO VOC LINES: BENJAMIN MOORE - AURA, ben SHERWIN WILLIAMS- PROMAR 200 ZERO VOC, HARMONY, ECOSELECT ZERO VOC	BENNETT DESIGN 10 Douglas Road
ATERIALS SPECIFIED.	DULUX - ULTRA ZERO VOC BEHR - PREMIUM PLUS LOW VOC	Uxbridge, ON. L9P 1S9 Tel . 905 . 852 . 4617
IT SPECIFIED FOR	CIL - PREMIUM OLYMPIC - PREMIUM	bennettdesign.ca
REPARE FOR	SICO - PRO ZERO VOC PARA - PREMIUM ZERO PITTSBURGH - PURE PERFORMANCE ZERO VOC	GENERAL NOTES
LATES, ETC., BEFORE ALL SAME AS		 THIS DRAWING IS THE PROPERTY OF BENNETT DESIGN ASSOCIATES INC. AND CANNOT BE REPRODUCED WITHOUT WRITTEN PERMISSION. ALL MEASUREMENTS MUST BE VERIFIED ON SITE BY CONTRACTOR AND REPORT
D TO ACCEPT NEW		ANY DISCREPANCIES TO BENNETT DESIGN ASSOCIATES INC. BEFORE PROCEEDING WITH THE WORK. ON NOT SCALE DRAWINGS.
ECIFIED FINISH. H AND FREE FROM F PAINT ADJOINING RLAPPING. WHERE		
SMOOTH FINISH. SURFACES WHERE		
IS FINISH MUST BE TER WALLS AND		
es, finishes and Ear all costs Ver's satisfaction.		
d frames. Refer to		
IDS TO BE PAINTED		
SPREAD RATINGS CTIONS 3.1.5., S BASED ON PLICABLE. SUBMIT		
UE TO		
laws and inform		
ACOUSTIC PANEL		
BEFORE APPLYING		no. date by description
SEALED		REVISIONS
RAND, BATCH RODUCING. THIN MANUFACTURER. TO RECEIVE IT. MEDIUM AND/OR		
ER AND FOUR IG TIME FOR ALL		
		04 16AUG24 AH ISSUED FOR TENDER
		03 13AUG24 AH ISSUED FOR PERMIT
		02 08AUG24 AH ISSUED FOR 90% REVIEW
otherwise.		01 08JUL24 AH ISSUED FOR COORDINATION
SED PAINT AS PER		no. date by description
ED PRIOR TO		ISSUED
ETC. TO BE PAINTED		RIDO
s to be as per		Amanda Knatchbull-Hugessen
SHOP FINISH		Restance of Rest Owner
JRE INSTALLATION.		project title MPAC 1340 PICKERING PKWY 10TH FLOOR PICKERING, ON drawing title
		WALL FINISHES PLAN



JC

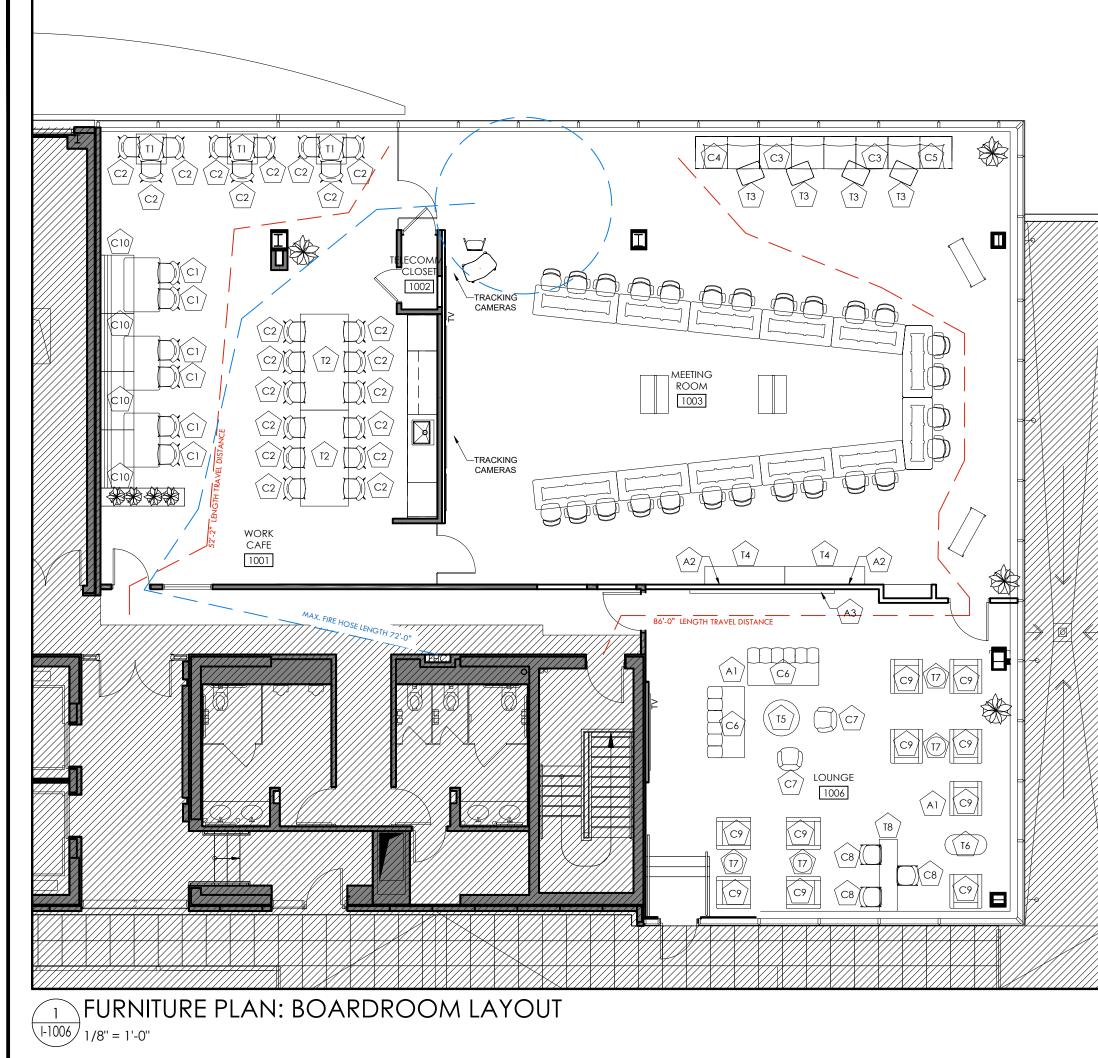
checked by

1/8"=1'-0"

AH

24-1008 14FEB24 cad file: 24-1008_I-1002 drawing no.

I-1005

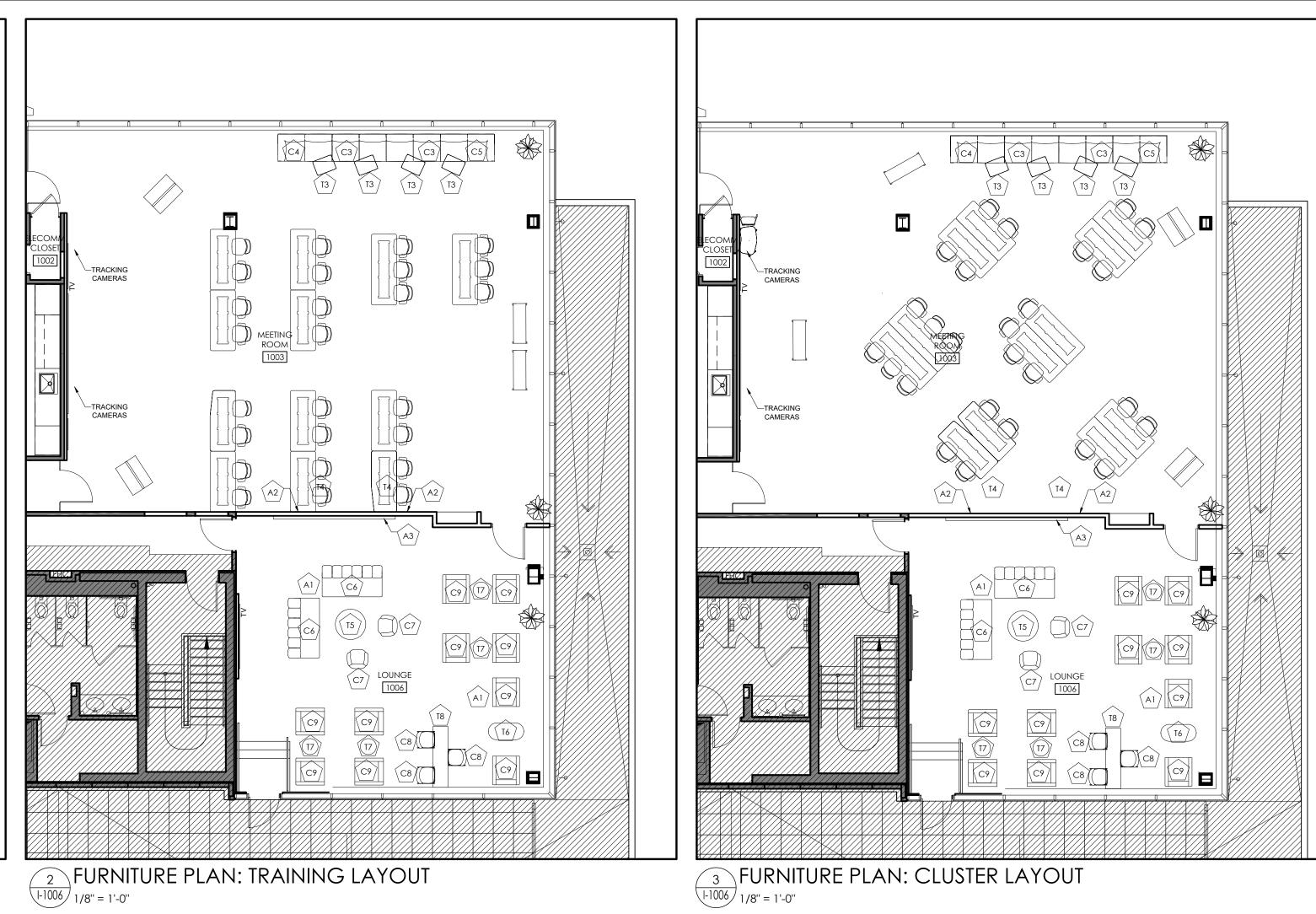


FURNITURE LEGEND

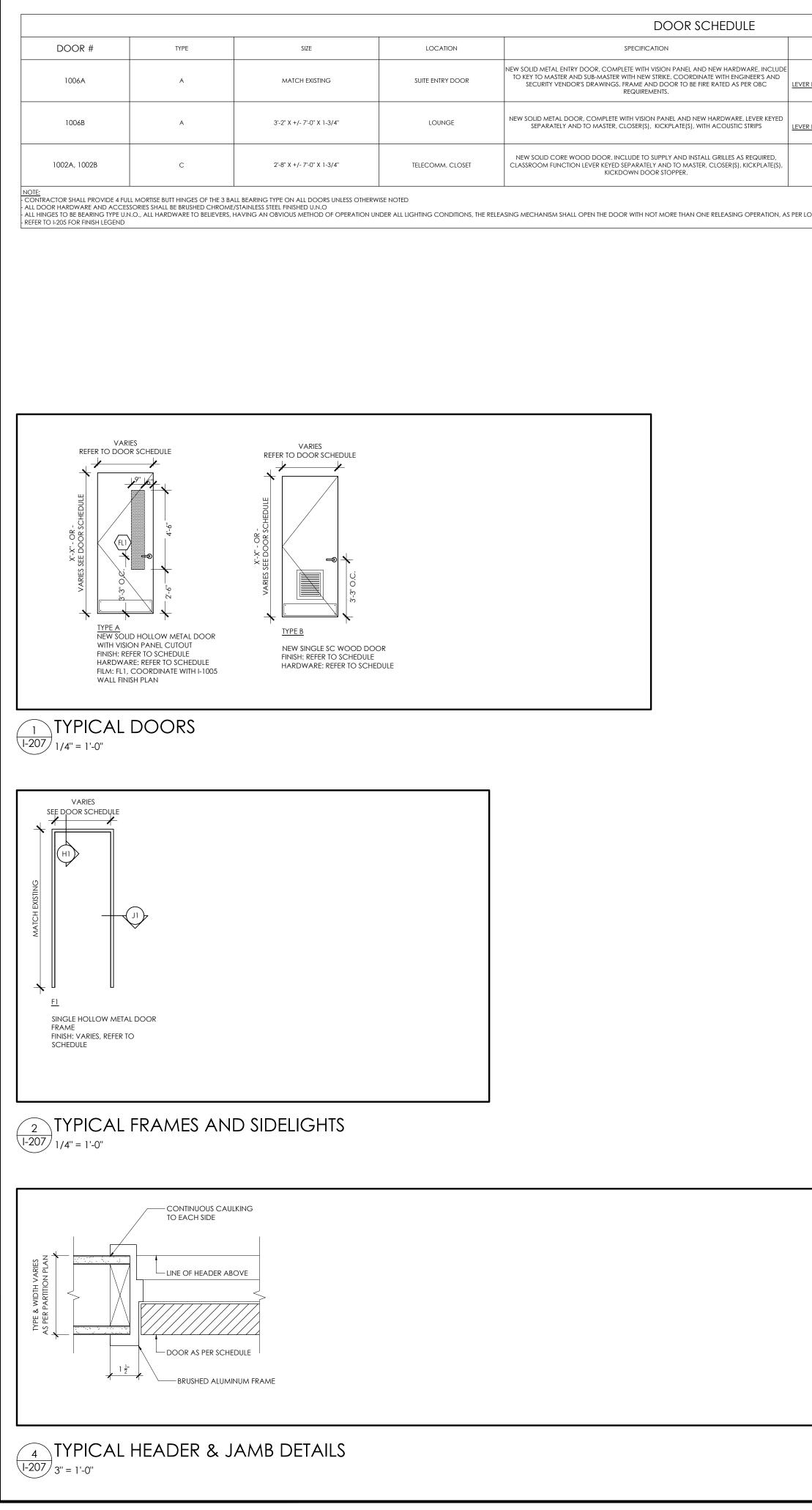
SYMBOL	DESCRIPTION	QTY
	DENOTES EXISTING PARTITION TO REMAIN	
	DENOTES NEW PARTITION	
X' LENGTH TRAVEL DISTANCE	INDICATES TRAVEL DISTANCE WITH DIMENSIONS TO EXIT PATHS	
X' LENGTH TRAVEL DISTANCE	INDICATES DISTANCE WITH DIMENSIONS TO FIRE HOSE CABINET	
seating:		
CI	NEW CHAIR W/ UPHOLSTERED SEAT (WORK CAFE) TYPE: SHORTCUT CHAIR - X BASE SHELL FINISH: JAZZ - PG1 6336 CUSHION FINISH: SAILOR - 5878 QUOTE LINE ITEM #: 05 (POI)	6
C2	NEW STOOL W/ UPHOLSTERED SEAT (WORK CAFE) TYPE: SHORTCUT STOOL - X BASE SHELL FINISH: STERLING DARK SOLID - PG1 6059 CUSHION FINISH: FOGGY NIGHT - 5877 QUOTE LINE ITEM #: 06 (POI)	21
C3)	NEW LOUNGE SOFA (MEETING ROOM) TYPE: WEST ELM MESA - ARMLESS COLOUR: BERRY - 301 QUOTE LINE ITEM #: 13 (POI)	2
C4	NEW LOUNGE SOFA (MEETING ROOM) TYPE: WEST ELM MESA - LEFT HAND COLOUR: BERRY - 301 QUOTE LINE ITEM #: 14 (POI)	1
<u>C5</u>	NEW LOUNGE SOFA (MEETING ROOM) TYPE: WEST ELM MESA - RIGHT HAND COLOUR: BERRY - 301 QUOTE LINE ITEM #: 15 (POI)	1
<u>C6</u>	NEW LOUNGE SOFA (LOUNGE) TYPE: BELLE LOUNGE - 2 SEAT COLOUR: PEWTER - 5H20 QUOTE LINE ITEM #: 18 (POI)	2
<u>(C7)</u>	NEW LOUNGE CHAIR (LOUNGE) TYPE: POPPY LOUNGE, SWIVEL BASE COLOUR: KALEIDOSCOPE QUOTE LINE ITEM #: 02 (BRIGHOLME)	2
<u>(C8)</u>	NEW STOOL (LOUNGE) TYPE: MAARI STOOL, BAR HEIGHT COLOUR: INDIGO, DOTS QUOTE LINE ITEM #: 04 (BRIGHOLME)	3
<u>(C9)</u>	NEW LOUNGE CHAIR (LOUNGE) TYPE: KEILHAUER LOUNGE CHAIR COLOUR: CALIFORNIA NAVY, PICASSO BLUE QUOTE LINE ITEM #: 05 (BRIGHOLME)	10
C10	NEW BANQUETTE (WORK CAFE) TYPE: RIVERBEND W/ POWER COLOUR: LARA, MYSTERY, KALEIDOSCOPE, RUBY QUOTE LINE ITEM #: 06 (BRIGHOLME)	4

Symbol	DESCRIPTION	QTY	
TABLES:			
	NEW CAFE TABLE (WORK CAFE) TYPE: 42" H SQUARE CAFE TABLE COLOUR: ARCTIC WHITE - 2730 QUOTE LINE ITEM #: 08 (POI)	3	
<u>(12)</u>	NEW COLLABORATION TABLE (WORK CAFE) TYPE: CAMPFIRE BIG TABLE COLOUR: VIRGINIA WALNUT QUOTE LINE ITEM #: 12 (POI)	2	
ТЗ	NEW PERSONAL TABLE (MEETING ROOM) TYPE: 25.5" H PERSONAL TABLE COLOUR: ARCTIC WHITE QUOTE LINE ITEM #: 16 (POI)	4	
T4	NEW CREDENZA (MEETING ROOM) TYPE: GREENPOINT CREDENZA COLOUR: VIRGINIA WALNUT QUOTE LINE ITEM #: 17 (POI)	2	
15	NEW LOUNGE TABLE (LOUNGE) TYPE: 28.5"H WORKING HEIGHT ROUND TABLE COLOUR: ARCTIC WHITE QUOTE LINE ITEM #: 19 (POI)	1	
<u>(16</u>)	NEW COFFEE TABLE (LOUNGE) TYPE: BASSLINE RACETRACK TABLE COLOUR: VIRGINIA WALNUT QUOTE LINE ITEM #: 20 (POI)	1	
17	NEW SIDE TABLE (LOUNGE) TYPE: MAISIE SIDE TABLE COLOUR: WALNUT QUOTE LINE ITEM #: 21 (POI)	4	
ТВ	NEW COLLABORATION TABLE (LOUNGE) TYPE: POPUP TABLE COLOUR: LINEN QUOTE LINE ITEM #: 03 (BRIGHOLME)	1	
ACCESSORIE	ES:		
AI	NEW POWER CONSOLE (LOUNGE) TYPE: THREAD HUB COLOUR: MERLE QUOTE LINE ITEM #: 23 (POI)	2	
A2	NEW WALL MOUNTED GLASS BOARD TYPE: 4' X 8' GLASS BOARD COMPLETE W/ ACCESSORIES	2	
A3	NEW WALL LIVING WALL TYPE: BREATHE BY DIRTT NOTES: PLANTS TO BE SUPPLIED, INSTALLED, AND MAINTAINED BY PLANT VENDOR.	1	
ALL UN-TAGGED FURNITURE ON PLAN IS EXISTING.			

Symbol	DESCRIPTION
NOTE 1	ALL FURNITURE TO BE SUPPLIED BY MPAC. DRAWING FOR COORDINATION ONLY.



BEN 10 I Uxbr Tel. ben	NETT DE Douglas I idge, ON. L 905.852. nettdesig	S I G N R o a d 9P 1S9 4617		
 CANNOT BE REPRODUC ALL MEASUREMENTS M ANY DISCREPANCIES TO PROCEEDING WITH THE DO NOT SCALE DRAWING 	NGS.	NSSION. CONTRACTOR AND REPORT		
and has the qualifica Ontari	ations and meets the re io Building Code to be c LIFICATION INFOR	quirements set out in the a designer.		
Required unless de		vision C - 3.2.4.1 of the		
no. date by REVISIONS	description			
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FURNITURE PLAN & LFE SAFETY				
	date 26JUL24 drawn by JC checked by AH scale 1/8"=1'-0"	project no. 24-1008 cad file: 24-1008_I-1006 drawing no. I-1006		

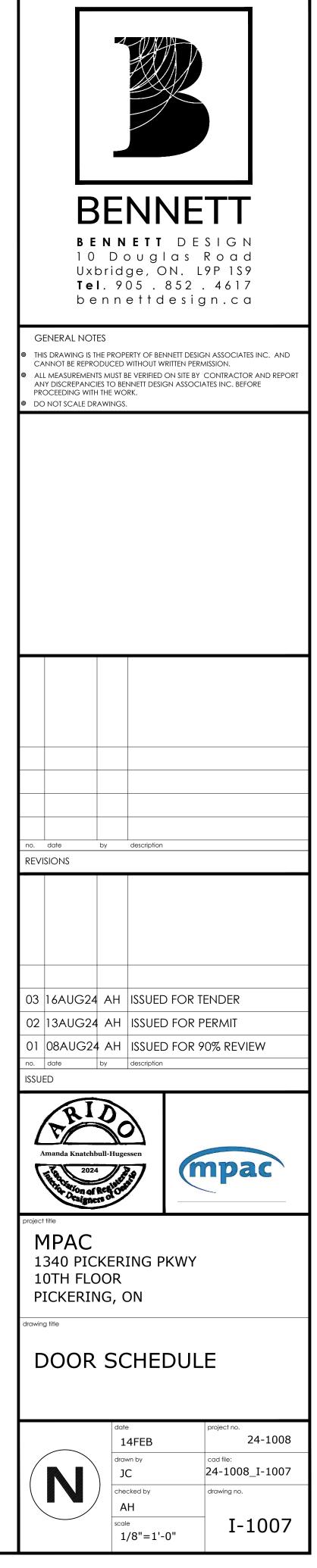


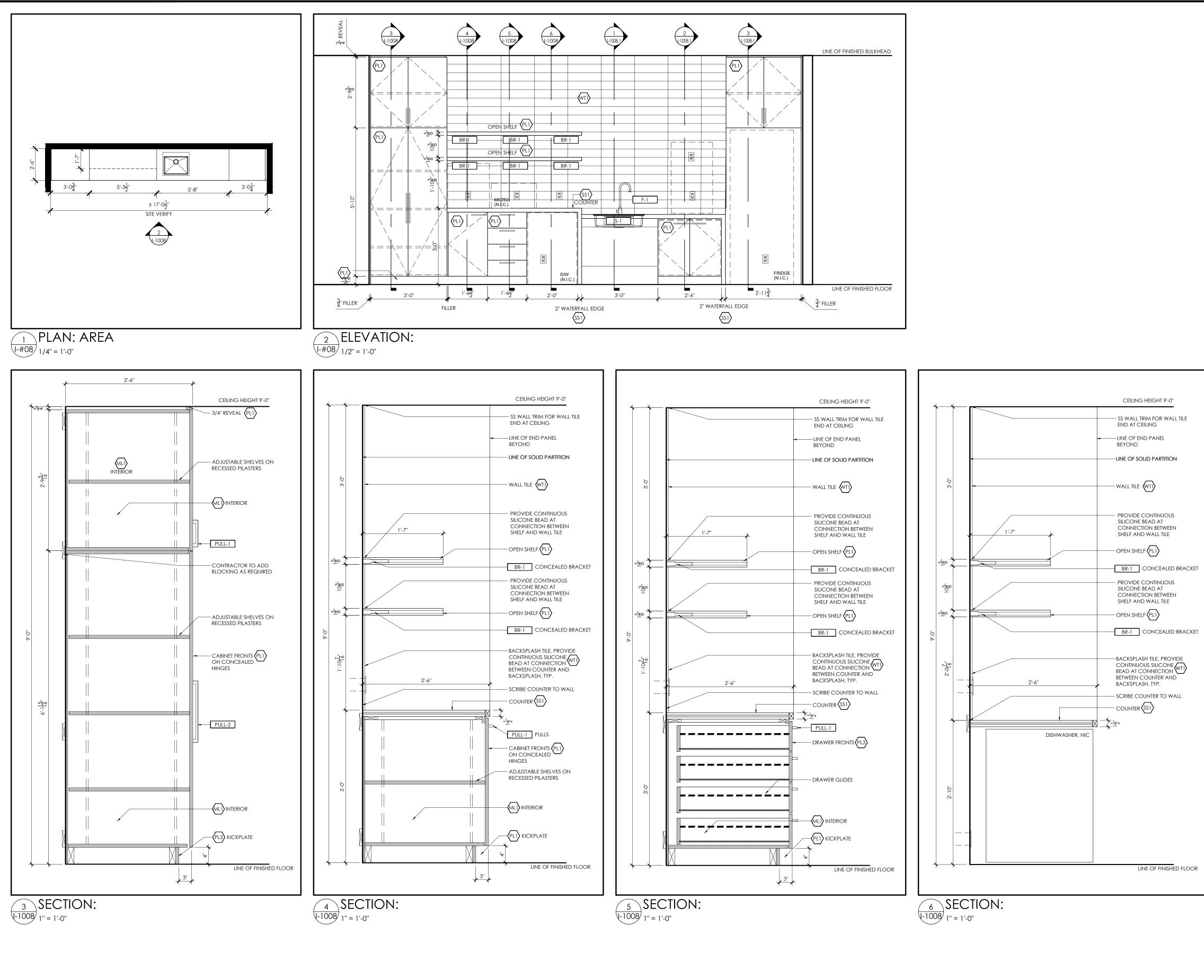
SECURITY	FINISH	FILM	FRAME
MAG LOCK, ELECTRIC STRIKE, AND KEY CARD READER TO BE COORDINATED WITH SECURITY VENDOR	PT3A (SUITE SIDE)	FL2	Fl
	РТЗА	FL2	FI
	ΡΤ2Α	N/A	Fl
	MAG LOCK, ELECTRIC STRIKE, AND KEY CARD READER TO BE COORDINATED WITH	MAG LOCK, ELECTRIC STRIKE, AND KEY CARD READER TO BE COORDINATED WITH SECURITY VENDOR PT3A (SUITE SIDE) PT3A	MAG LOCK, ELECTRIC STRIKE, AND KEY CARD READER TO BE COORDINATED WITH SECURITY VENDOR PT3A (SUITE SIDE) FL2

GENERAL NOTES

- 1. THIS DRAWINGS & NOTES TO BE READ IN CONJUNCTION WITH GENERAL NOTES, REFER TO DRAWING #1-000.
- 2. THE ENTIRE DRAWING PACKAGE TO BE REFERENCED AND REVIEWED AS A WHOLE.
- 3. THIS DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL ENGINEER'S DRAWINGS AND SPECIFICATIONS.
- 4. This drawing is to be read in conjunction with all construction specifications and documents.
- EXISTING DOORS, GLAZING UNITS, HARDWARE, AND COAT HOOKS, TO BE REUSED WHERE POSSIBLE. ANY EXISTING NOT BEING REUSED SHALL BE DISPOSED OF AS PER CLIENT/ LANDLORD DIRECTION.
- 6. CONTRACTOR TO SUPPLY AND INSTALL ALL HARDWARE AS PER MANUFACTURER'S SPECIFICATIONS.
- 7. MOUNT ALL NEW COAT HOOKS AT 60" AFF ON DOOR SIDE OF WALL.
- 8. PROVIDE DOOR SILENCERS FOR ALL WOOD DOORS AND DOOR BUMPERS FOR ALL HOLLOW METAL DOORS.
- 9. WHERE NEW PAINT FINISH IS REQUIRED ON DOORS, FRAMES AND REVEALS, REFER TO WALL FINISHES PLAN FOR SPECIFICATION.
 10. WHERE DOORS AND FRAMES ARE REQUIRED TO BE STAINED, STAIN TO MATCH
- EXISTING DOORS UNLESS NOTED OTHERWISE.
- 11. LOCK SETS OCCURRING ON JANITOR'S/STORAGE ROOMS TO BE LOCKABLE FROM CORRIDOR SIDE ONLY.
- 12. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL DOOR ASSEMBLIES AND HARDWARE FOR APPROVAL PRIOR TO FABRICATION/ORDERING.

13.	KEY COPIES:
	- MASTER KEY - x2
	- SUB-MASTER KEY - x5
	- 1002 - x2





MILLWORK FINISHES LEGEND

SYMBOL	DESCRIPTION
(ML)	MELAMINE (CABINET INTERIORS) MANUFACTURER: PANOLAM COLOUR: WHITE
PLI	PLASTIC LAMINATE FINISH #1 (VERTICAL) MANUFACTURER: WILSONART SERIES: STANDARD LAMINATE COLOUR: SAP WALNUT 8221-38 FINISH: FINE VELVET FINISH
<u>(551)</u>	SOLID SURFACE #1 MANUFACTURER: HANSTONE COLOUR: CALACATTA GOLD FINISH: POLISHED SIZE: 2cm THICKNESS

MILLWORK HARDWARE LEGEND

Symbol	DESCRIPTION
	HINGES MANUFACTURER: RICHELIEU MODEL: HINGE W/ 120 GRADE OPENING
	MODEL: HINGE W/ 125 GRADE OPENING SECTION 3/MODEL B MANUFACTURER: BLUM DISTRIBUTOR: RICHELIEU
	HINGES (FOR DOORS OPENING INTO OBSTRUCTIONS) MANUFACTURER: RICHELIEU MODEL: CLIP TOP HINGE 110°, #711358180, SPRING CLOSE C/W 86° OPENING ANGLE STOP #70T355390 OR MODEL: 110° CLIP TOP BLUMOTION HINGE, #71B358180 C/W 86° OPENING ANGLE STOP #70T355390
	GLIDES (ALL DRAWERS) STANDARD FULL EXTENSION DRAWER SLIDE
PULL-1	DOOR PULL #1 MANUFACTURER: RICHELIEU MODEL: MODERN METAL PULL - 8160 PRODUCT #: BP8160128CHBRZ SIZE: OVERALL LENGTH - 162mm FINISH: CHAMPAGNE BRONZE
PULL-2	DOOR PULL #2 MANUFACTURER: RICHELIEU MODEL: MODERN METAL PULL - 8160 PRODUCT #: BP8160304CHBRZ SIZE: OVERALL LENGTH - 367mm FINISH: CHAMPAGNE BRONZE
BR-1	BRACKET/BRACING FOR OPEN SHELF MANUFACTURER: RICHELIEU MODEL: TRIADE MAXI CONCEALED MOUNTING BRACKET, 1621612G FINISH: NICKEL NOTE: CONTRACTOR TO CONFIRM REQUIRED QUANTITIES PER SHELF BASED ON MANUFACTURERS INSTRUCTION.
CH-1	SINGLE COAT HOOK MANUFACTURER: RICHELIEU MODEL: MODERN STAINLESS STEEL HOOK #51124 SIZE: 25mm DIAMETER FINISH: STAINLESS STEEL

MECHANICAL SPECIFICATIONS LEGEND

Symbol	DESCRIPTION
<u>S-1</u>	SINK #1 MFR: ELKAY PRODUCT CODE: ECTSRAD25226TBG FINISH: STAINLESS STEEL SIZE: 25" X 22" X 6"
<u>F-1</u>	FAUCET #1 MFR: FRANKE PRODUCT: FAUCET WITH PULL DOWN SPRAY - FFP3350 FINISH: STAINLESS STEEL

MILLWORK DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	DENOTES AREA OF MILLWORK TO BE REMOVED IN ITS ENTIRETY

MILLWORK NOTES

- 1. THE CONTRACTOR SHALL CONFIRM ALL COLOURS, FINISHES, HARDWARE AND MATERIALS REQUIRED TO PERFORM THE WORK AS SPECIFIED.
- 2. PRIOR TO FABRICATION OF MILLWORK THE CONTRACTOR MUST SUBMIT MILLWORK SHOP DRAWINGS FOR APPROVAL BY DESIGNER.
- 3. LOCATION OF LAMINATE SEAMS ON WORK SURFACES SHALL BE INSPECTED AND APPROVED BY DESIGNER.
- 4. ALL MILLWORK TO BE CONSTRUCTED OF 3/4" PLYWOOD WITH PLASTIC LAMINATE
- 5. MILLWORK CONTRACTOR SHALL COORDINATE INSTALLATION OF MILLWORK THROUGH THE GENERAL CONTRACTOR TO ENSURE THAT ALL REQUIRED BLOCKING IS PROVIDED IN DESIGNATED WALLS TO ACCOMMODATE LIVE WEIGHT REQUIREMENTS OF ALL MILLWORK COMPONENTS AND EQUIPMENT.
- 6. AT COMPLETION, MILLWORK CONTRACTOR SHALL TOUCH-UP AND RESTORE SURFACES WHERE DAMAGED AND LEAVE FINISHED SURFACES IN GOOD CONDITION.

PLUMBING NOTES

- 1. PROVIDE FIXTURE AS SPECIFIED. ANY SUBSTITUTION IS TO BE EQUAL IN QUALITY AND WARRANTY AND MUST BE APPROVED BY BDA DESIGNER PRIOR TO PURCHASE.
- 2. PROVIDE SHIELDING FOR ALL SINK TRAPS AS PER ADA STANDARDS.

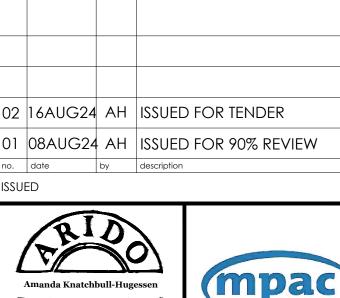
FINISH ON ALL EXPOSED FACES UNLESS NOTED OTHERWISE.



DO NOT SCALE DRAWINGS.

date

REVISIONS



description



MPAC 1340 PICKERING PKWY 10TH FLOOR PICKERING, ON

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MILLWORK DETAILS

checked by

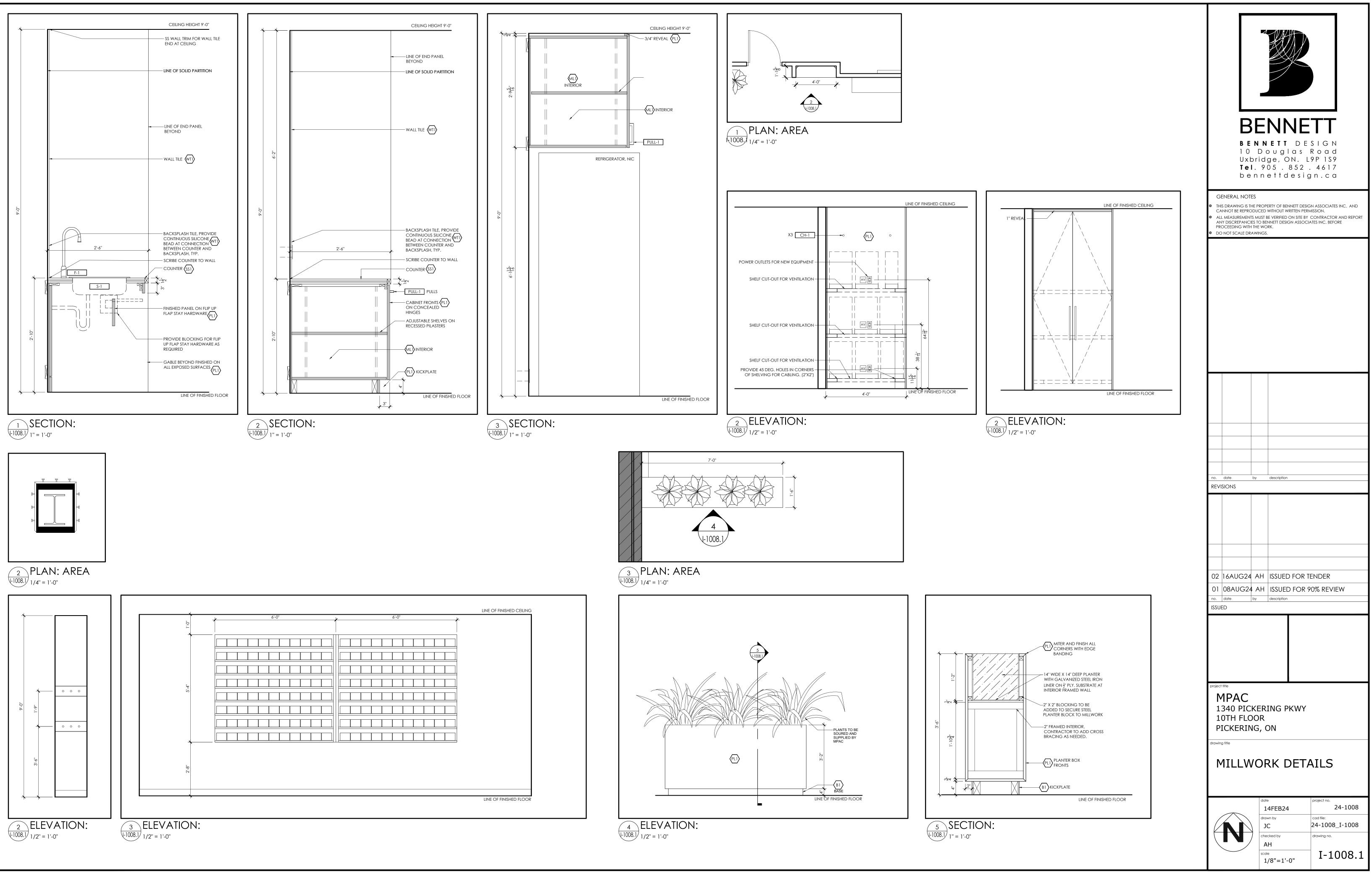
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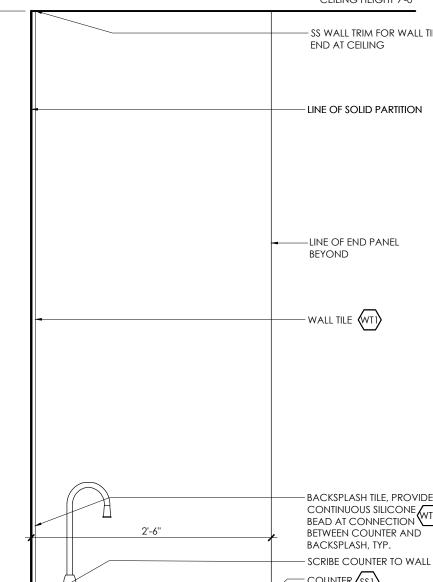
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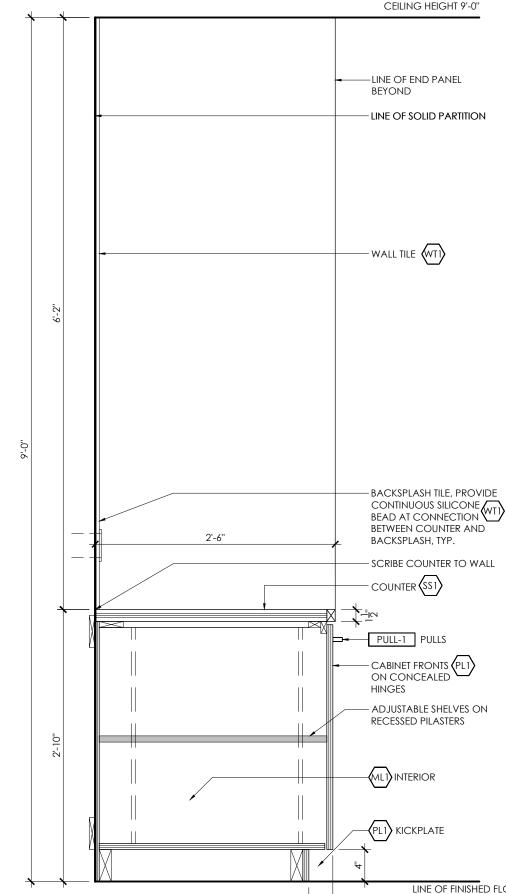
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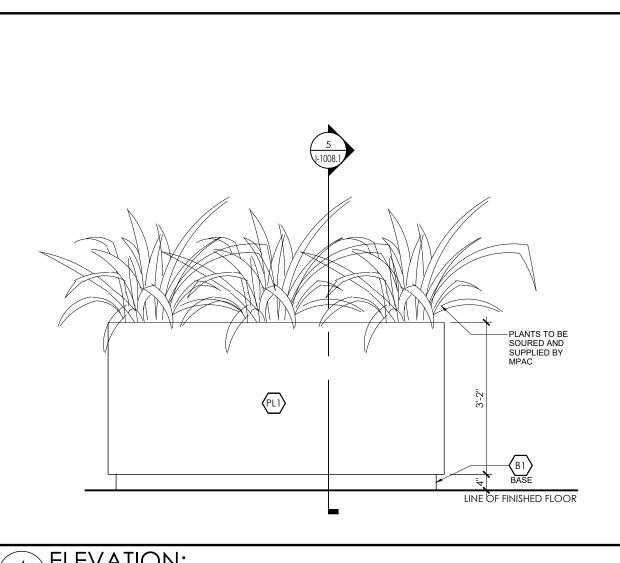
24-1008 cad file: 24-1008_I-1008 drawing no.

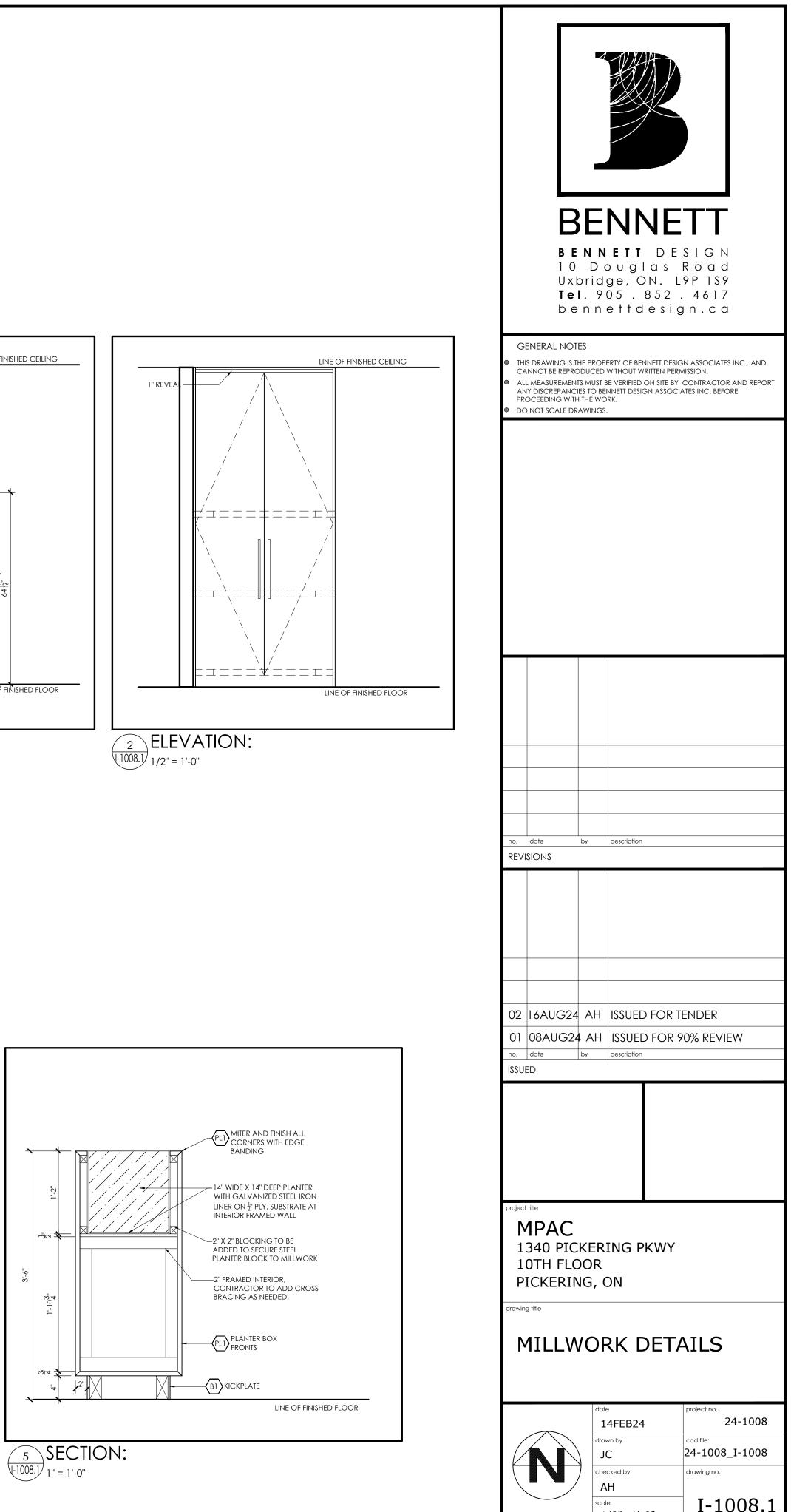
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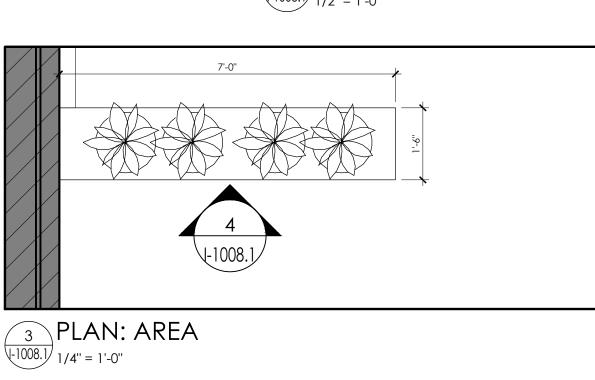














ALIGNED VISION GROUP

MPAC – 10TH FLOOR UPDATES 1340 PICKERING PARKWAY PICKERING, ON 10TH FLOOR - UPGRADES - PHASE 2 AV DRAWINGS - ISSUED FOR COORDINATION - AUGUST 14TH, 2024

AUDIO • VISUAL • ENTERTAINMENT **TECHNOLOGY SOLUTIONS**

DWG. #
AV-001
AV-002
AV-110
AV-110A
AV-110B

AV-210A _____ AV-210B

AV-610A

AUDIO VISUAL SYSTEMS DRAWINGS

DESCRIPTION	REV.	ISSUE DATE	INCLUDED IN THIS ISSUE
AV DRAWING SCHEDULE	1	AUGUST 14, 2024	
AV DEVICE TYPE, WIRE TYPE, AND - POWER AND COMMS SCHEDULES	1	AUGUST 14, 2024	
10TH FLOOR - KEY PLAN	1	AUGUST 14, 2024	
10TH FLOOR - AV DEVICE LOCATIONS - PLAN	1	AUGUST 14, 2024	
10TH FLOOR - AV DEVICE LOCATIONS - RCP	1	AUGUST 14, 2024	
10TH FLOOR - RISER DRAWING	1	AUGUST 14, 2024	
10TH FLOOR - RISER DRAWING - CONTINUED	1	AUGUST 14, 2024	
MEETING ROOM - 1003 - ELEVATION & MOUNTING - DETAILS	1	AUGUST 14, 2024	
	AV DRAWING SCHEDULE AV DEVICE TYPE, WIRE TYPE, AND - POWER AND COMMS SCHEDULES IOTH FLOOR - KEY PLAN IOTH FLOOR - AV DEVICE LOCATIONS - PLAN IOTH FLOOR - AV DEVICE LOCATIONS - RCP IOTH FLOOR - RISER DRAWING IOTH FLOOR - RISER DRAWING - CONTINUED	Image: A volume of the second of the seco	Indext relationIndext relationAV DRAWING SCHEDULE1AUGUST 14, 2024AV DEVICE TYPE, WIRE TYPE, AND - POWER AND COMMS SCHEDULES1AUGUST 14, 2024INTH FLOOR - KEY PLAN1AUGUST 14, 202410TH FLOOR - KEY PLAN1AUGUST 14, 202410TH FLOOR - AV DEVICE LOCATIONS - PLAN1AUGUST 14, 202410TH FLOOR - AV DEVICE LOCATIONS - PLAN1AUGUST 14, 202410TH FLOOR - AV DEVICE LOCATIONS - RCP1AUGUST 14, 202410TH FLOOR - RISER DRAWING1AUGUST 14, 202410TH FLOOR - RISER DRAWING - CONTINUED1AUGUST 14, 202410TH FLOOR - RISER DRAWING - CONTINUED1I11AUGUST 14, 20241I12AUGUST 14, 2024113AUGUST 14, 2024114AUGUST 14, 2024115AUGUST 14, 2024116II17AUGUST 14, 2024118AUGUST 14, 2024119AUGUST 14, 2024110II10II11II12II13II14II15II16II17II18II19II19II10II10II10II10II10<



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1	08/14/24	PHASE #2 - FOR COORDINATION		
0	05/31/24	PHASE 1 – ISSUED FOR APPROVAL		
REV	DATE	DESCRIPTION		
REVISION HISTORY:				
PROJECT				

MPAC - 10TH FLOOR UPDATES 1340 PICKERING PARKWAY PICKERING, ON

SHEET NAME:

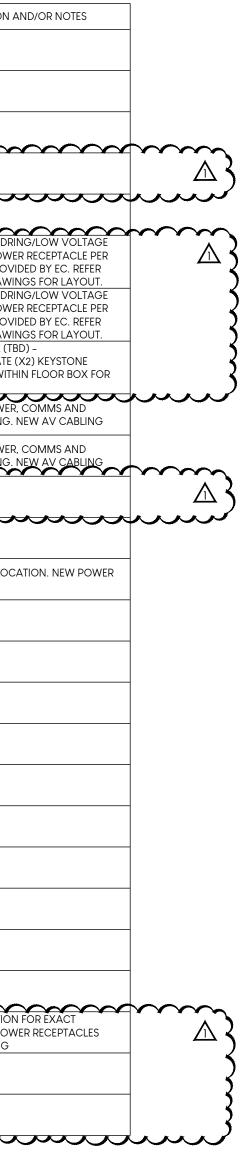
AV DRAWING SCHEDULE

PROJECT #:	J11140	
PLOTTED DATE:	8/14/2024 9:50:16 AM	
LAST SAVED BY:	AV GROUP	
SCALE:	NTS	
DRAWN BY:	DV/IZ	
DRAWING NUMBER:	SHEET REV:	
AV-001	1	

REVISION HISTORY

# ISSUE		DATE		
\triangle	PHASE 1 - ISSUED FOR APPROVAL			
Λ	PHASE #2 - FOR COORDINATION	08/14/24		

		AVD	EVICES INDEX		
DEVICE	POWER	СОММ	BACKBOX HEIGHT	CONDUIT	DESCRIPTION AN
-CEILING MOUNTED - SHURE WIRELESS MICROPHONE # ANTENNA			EXISTING @CEILING	Free-Run	-
ANT2 # ANTENNA - CEILING MOUNTED - HEARING ASSIST MAIN UNIT			@CEILING	Free-Run	-
ANT3 + CEILING MOUNTED - HEARING ASSIST EXTENDER			@CEILING	Free-Run	-
-WALL MOUNTED - DUAL STACKED TRACKING -WALL MOUNTED - DUAL STACKED TRACKING			MP-2P @84" AFF	3/4" EMT	-
CAM2 -CEILING MOUNTED - AUTO-TRACKING CAMERA # (EXISTING)			@CELING	Free-Run	-
CHIA -WALL MOUNTED - WIRELESS MICROPHONE # CHARGING STATION	P		MP-2P @TBD	1-1/4" EMT	(X1) 2-GANG MUDRING BOX AND (X1) POWER SHELF - TO BE PROVIDE TO INTERIOR DRAWING
CHIB # CHARGING STATION	P		MP-2P @TBD	1" EMT	(X1) 2-GANG MUDRING BOX AND (X1) POWER SHELF - TO BE PROVIDE TO INTERIOR DRAWING
	P	x 2	FLOOR BOX @FLOOR	1" EMT	NEW FLOOR BOX (TBD PROVIDE/DEDICATE (X: CONNECTIONS WITHIN AV
FBI-EX -FLOOR RECESSED - FLOOR BOX (EXISTING)	P	▲ x2	FLOOR BOX @FLOOR	1" EMT	FLOOR BOX, POWER, C CONDUIT EXISTING. NE
-FLOOR RECESSED - FLOOR BOX (EXISTING)		▲ x2	FLOOR BOX @FLOOR	1" EMT	FLOOR BOX, POWER, C CONDUIT EXISTING. NE
-CEILING MOUNTED - CEILING MICROPHONE ARRAY			@CEILING	Free-Run	-
		AV ×2	@RECEPTACLE	-	-
RK2 # -FREE STANDING - AV EQUIPMENT RACK		}	EXISTING EXISTING	-	EXISTING RACK LOCAT TO BE ADDED
SI # -CEILING RECESSED - CEILING LOUDSPEAKER			TILE BRIDGE @CEILING	Free-Run	-
-CONDUIT STUB - BOARDROOM TABLE	P ^{×2}	AV ×2	STUB @FLOOR	2" EMT	-
-CONDUIT STUB - BOARDROOM TABLE	P ^{×2}		STUB @FLOOR	2" EMT	-
-CONDUIT STUB - PRESENTER TABLE	φ	AV	STUB @FLOOR	3/4" EMT	-
			2-GANG @SWITCH HEIGHT	3/4" EMT	-
TP2 # WALL MOUNTED - CONTROL TOUCHPANEL # (EXISTING)			2-GANG @SWITCH HEIGHT	3/4" EMT	-
TTI # -TABLE TOP USB ONLY	φ		IN TABLE	Free-Run	-
TABLE TOP USB AND HDMI	φ		IN TABLE	Free-Run	-
+	φ	AV	N/A	Free-Run	-
+-FLAT PANEL DISPLAYS - VIDEO WALL	₽ ×2		N/A	1" EMT	-
V3 # VIDEOWALL	P ₂₀ ^{×2}		MP-2P @48" AFF	1" EMT	REFER TO ELEVATION F LOCATIONS OF POWEF AND AV MUDRING
-WALL MOUNTED - 65" VIDEO DISPLAY	P		MP-2P @72" AFF	ו" EMT	-
WALL MOUNTED - 65" VIDEO DISPLAY	φ		MP-2P @72" AFF	1" EMT	-



POWER AND COMMS INDEX

	LEGEND	BACKBOX	CABLE	DESCRIPTION AND/OR NOTES
φ	– DUPLEX OUTLET, 12OV 15A – NEMA NUMBER – (5–15)	*1, *2	*1	
Φ_{20}	– DUPLEX OUTLET, 12OV 2OA – NEMA NUMBER – (5–20)	*1, *2	*1	
^т Ф ₂₀	- SINGLE TWIST-LOCK OUTLET, 120V 20A - NEMA NUMBER - (L5-20)	*1, *2	*1	
AV	- AV DATA COMPLEMENT	*1, *2	*1	
	- CLIENT DATA COMPLEMENT	*1, *2	*1	

*1 - TO BE SPECIFIED/DETERMINED BY OTHERS *2 - POWER AND/OR COMMS TO BE TERMINATED IN LATERAL PROXIMITY OF AV BACKBOX *3 - TO BE SPECIFIED/DETERMINED BY AV CONTRACTOR UNLESS OTHERWISE NOTED *4 - POWER AND/OR COMMS TO BE TERMINATED WITHIN SPECIFIED AV BACKBOX



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AV	DEVICE	type,	
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PO	WER AN	D COMMS SCHEE	OULES
	ED DATE: AVED BY:	8/14/2024	J11140 9:50:26 AM AV GROUP NTS DV/IZ
DRAW	ING NUMBER:		SHEET REV:
Д	V-O	02	1

ITEM OF WORK	AV GROUP	ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR
AV CONTROL SYSTEM, PAGE DESIGN AND TESTING	P PROVIDE; WRITE ALL PROGRAMMING CODE, DESIGN, AND IMPLEMENT		-
IEW – FLOOR BOXES		P PROVIDE; ENSURE 2 KEYSTONE SLOTS AVAILABLE AT MINIMUM FOR AV -	-
XISTING - FLOOR BOXES		P PROVIDE; ENSURE 2 KEYSTONE SLOTS AVAILABLE AT MINIMUM FOR AV -	-
AV WALL BOX CONNECTOR PLATES, CUSTOM OR STANDARD	P PROVIDE: FINISH AS PER ARCHITECT'S INSTRUCTION		-
AV FLOOR BOX CONNECTOR PANELS, CUSTOM OR STANDARD	P PROVIDE		-
WALL-MOUNTED FLAT PANEL DISPLAYS	P SUPPLY AND INSTALL DISPLAY AND MOUNTS	- PROVIDE POWER TO EACH SCREEN LOCATION AS INDICATED ON AV DRAWINGS -	PROVIDE FULL WALL BLOCKING AS INDICATED ON AV DRAWINGS
EXISTING WALL-MOUNTED TOUCH PANEL CONTROL	P REPLACE AS REQUIRED		-
AV DEVICES IN MILLWORK	P FIT-UP MILLWORK WITH AV TECHNOLOGY DEVICES, COORDINATE WITH DESIGNERS, G.C., ELECTRICAL CONTRACTOR, AND MILLWORKER	- PROVIDE POWER AS REQUIRED -	PROVIDE AND COORDINATE CUTOUTS, AND WIRING CHASSIS
WALL MOUNT CAMERAS	P PROVIDE		PROVIDE BLOCKING AS REQUIRED
EXISTING - CEILING MOUNT CAMERA	P TO REMAIN AS INSTALLED		-
XISTING - CEILING SPEAKERS	P TO REMAIN AS INSTALLED		-
CEILING MOUNTED MICROPHONE ARRAY	P PROVIDE		-
AV SYSTEMS BACK BOXES AND CONDUIT		P PROVIDE ALL NEW AV CONDUIT, BOXES, AND INSTALL PULL STRING INTO ALL EMPTY AV CONDUITS AS INDICATED ON AV DRAWINGS -	-
AV SYSTEMS CABLE (LOW VOLTAGE)	P PROVIDE		-
POWER FOR AV SYSTEMS AT AV RACK LOCATION	- PROVIDE DISTRIBUTION WITHIN EQUIPMENT RACKS	P PROVIDE CIRCUITS AS REQUIRED AND TERMINATE TO PLYWOOD BACKING, REFER TO AV DRAWINGS -	-
AN / TELCO DROP	- EXISTING TO REMAIN AND RETAIN CONNECTION TO AV SYSTEM	P PROVIDE, IF REQUIRED -	-
DRY CONTACT FROM FIRE ALARM SYSTEM	TC EXISTING TO REMAIN AND RETAIN CONNECTION TO AV SYSTEM	SI EXISTING TO REMAIN -	-

THE SCOPE OF WORK OF THE VARIOUS TRADES THAT RELATE TO THE AUDIO VISUAL (AV) IS DESCRIBED IN THE ABOVE TABLE. THE TERM "PROVIDE" AS IT IS USED IN THIS DOCUMENT, DENOTES SUPPLY, INSTALL, TERMINATE, AND COMMISSION & TEST S = SUPPLY I = INSTALL T = TERMINATE C = COMMISSION & TEST

DIVISION OF RESPONSIBILITY



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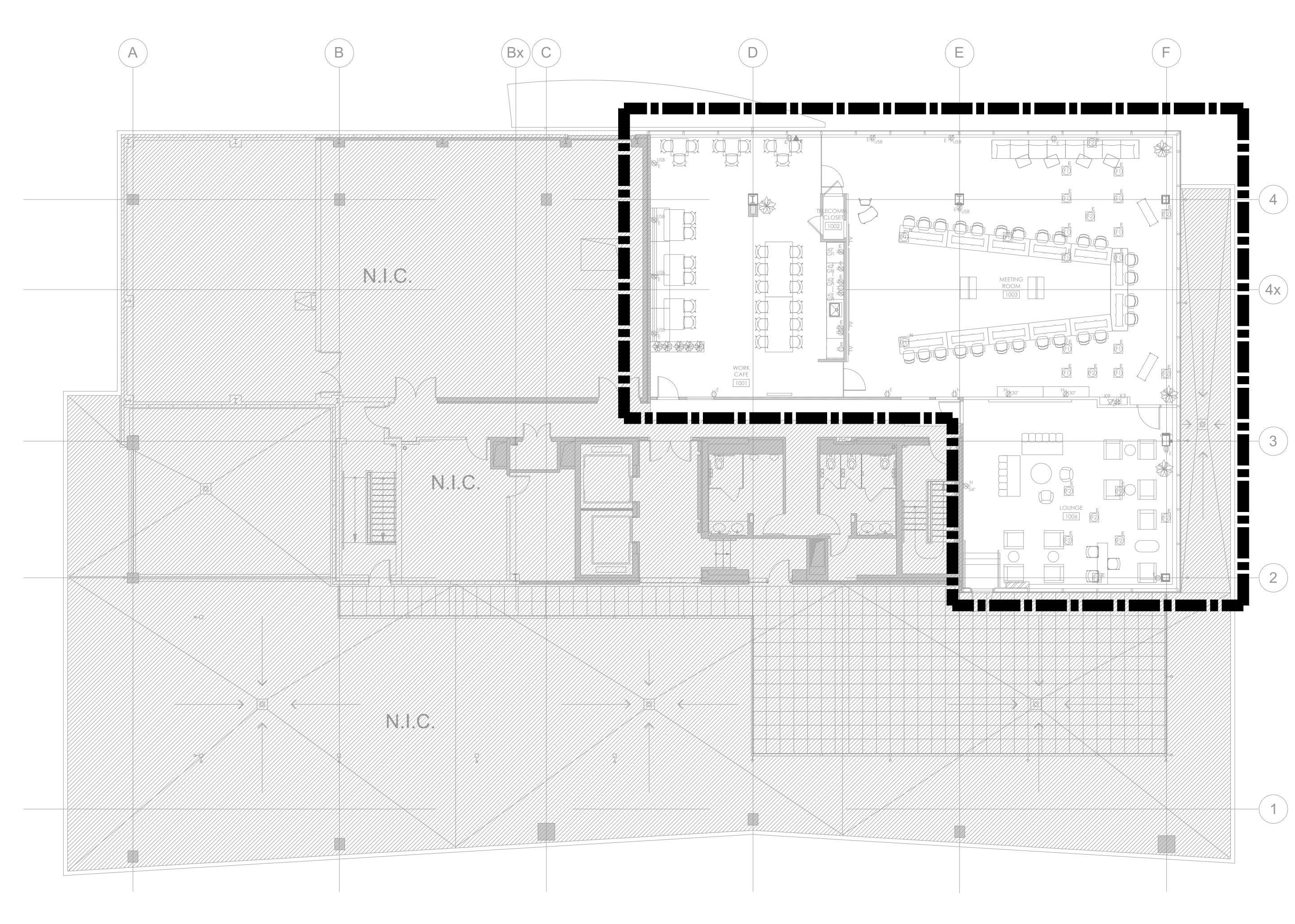
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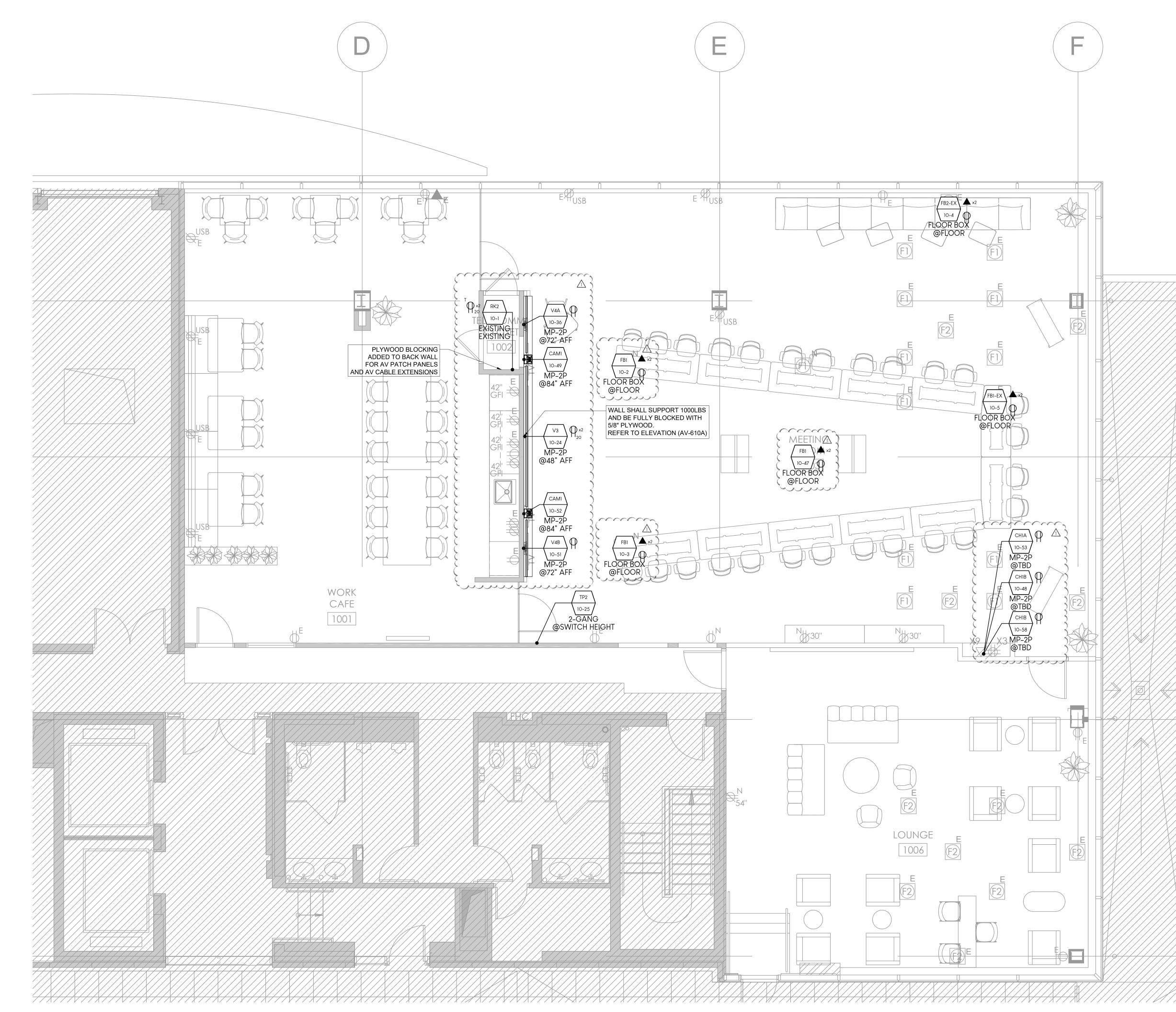
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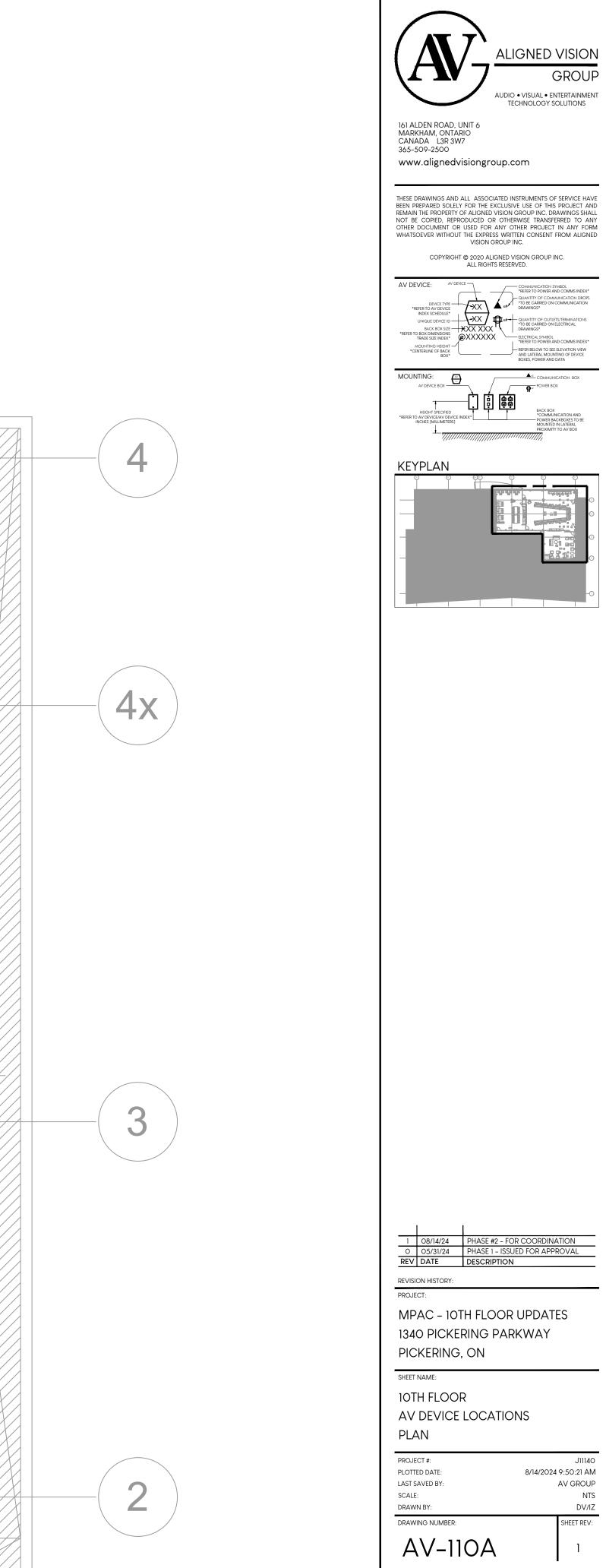
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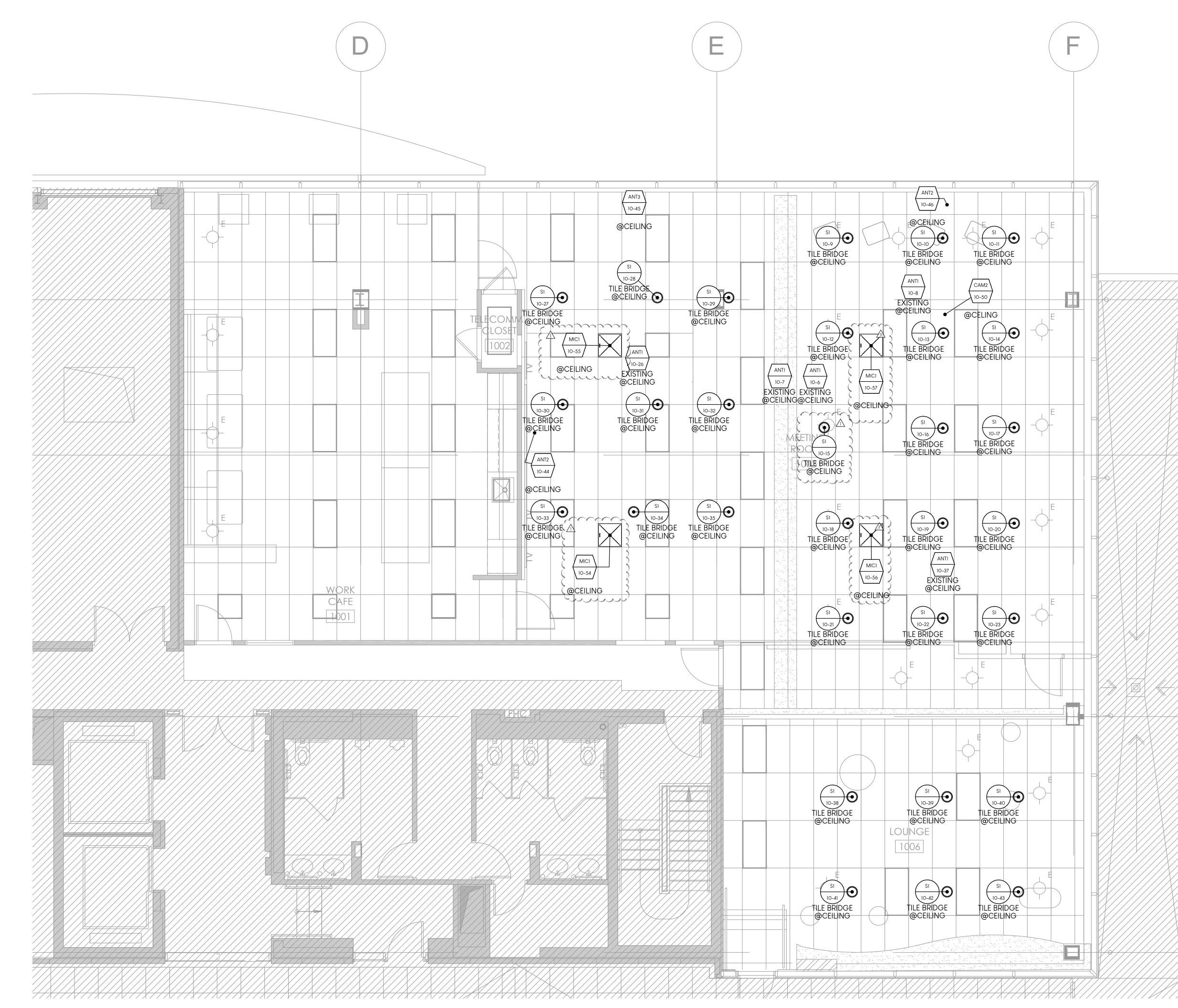


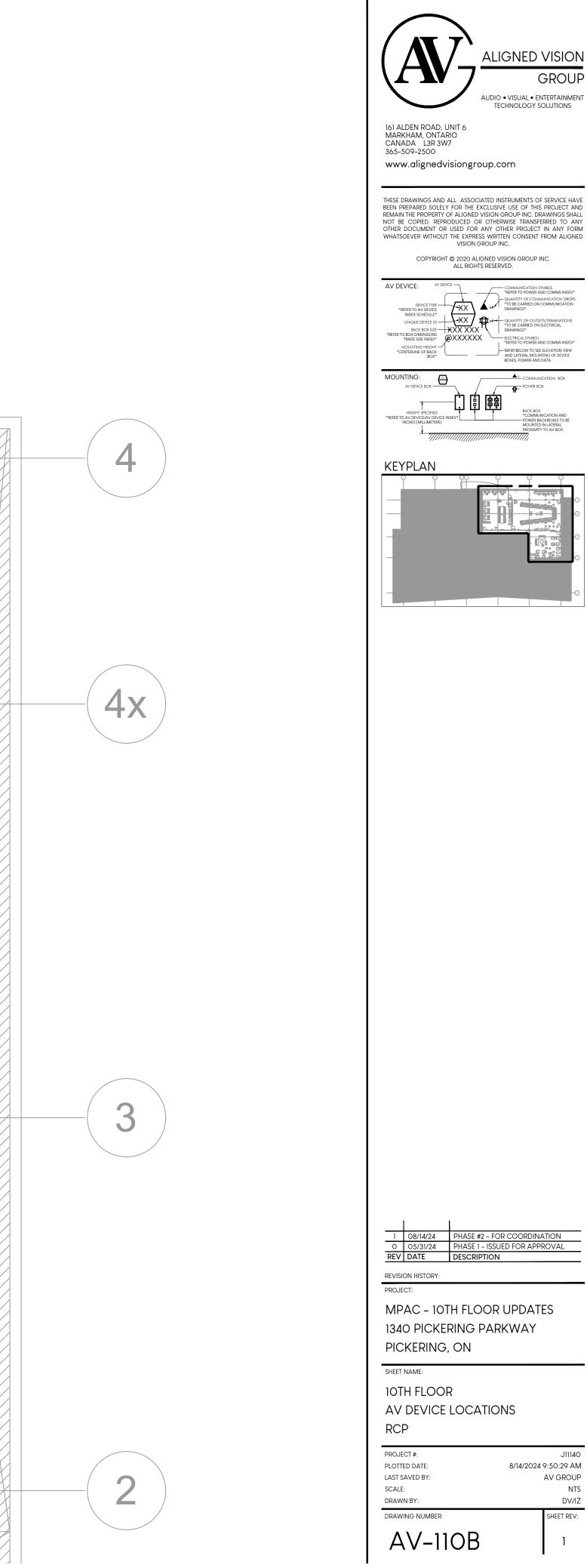


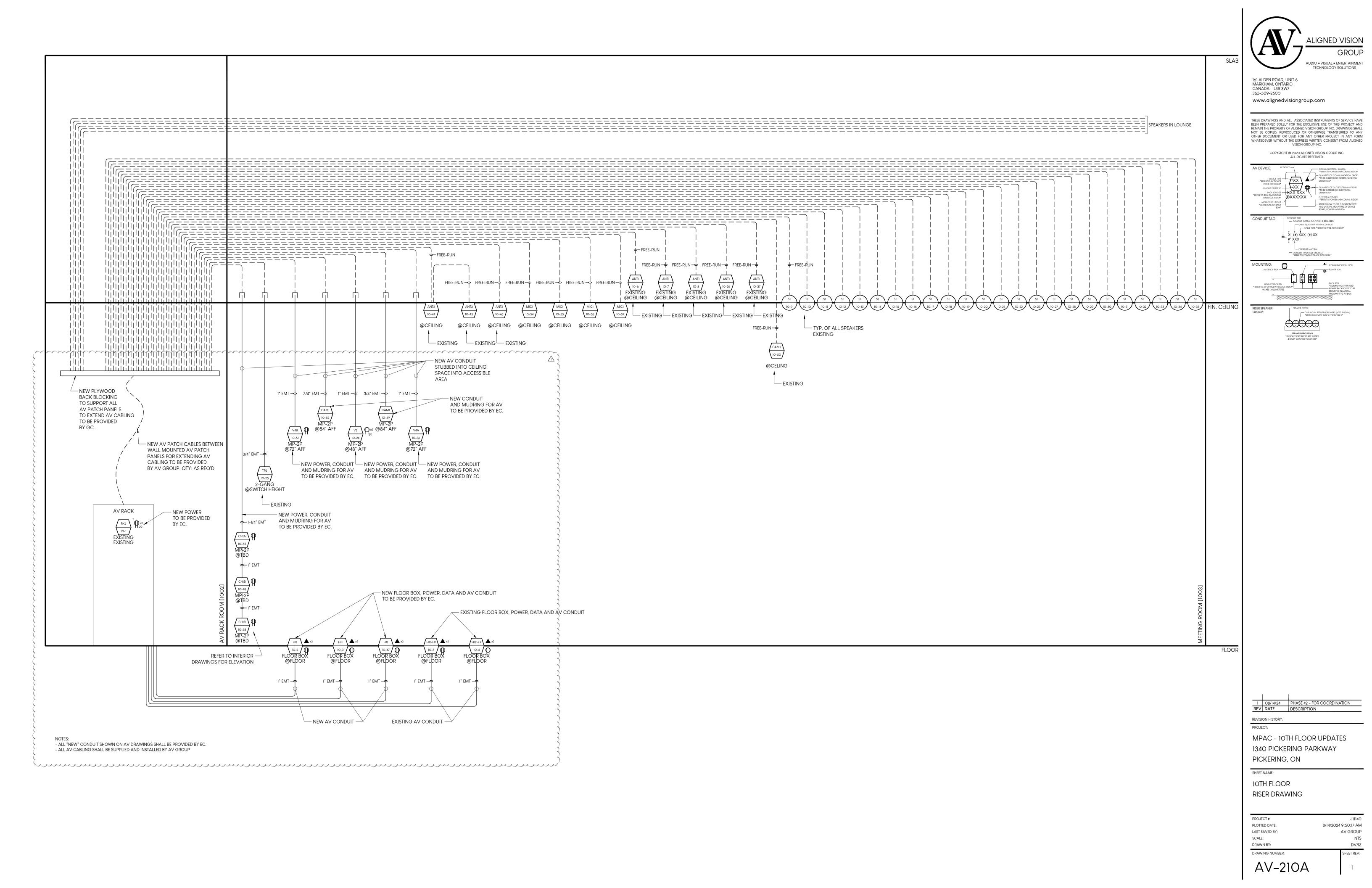
1 08/14/24 PHASE #2 - FOR COORDINATION REV DATE DESCRIPTION REVISION HISTORY: PROJECT: MPAC - 10TH FLOOR UPDATES 1340 PICKERING PARKWAY PICKERING, ON SHEET NAME: 10TH FLOOR KEY PLAN PROJECT #: P				
REVISION HISTORY: PROJECT: MPAC – 10TH FLOOR UPDATES 1340 PICKERING PARKWAY PICKERING, ON SHEET NAME: 10TH FLOOR KEY PLAN PROJECT #: PROJECT #: PROJECT #: SHEET NAME: 10TH FLOOR JIII40 PLOTTED DATE: SHEET REV: DRAWING NUMBER: SHEET REV:	1	08/14/24	PHASE #2 - FOR COORDINA	ATION
PROJECT: MPAC – 10TH FLOOR UPDATES 1340 PICKERING PARKWAY PICKERING, ON SHEET NAME: 10TH FLOOR KEY PLAN PROJECT #: JIII40 PLOTTED DATE: 8/14/2024 9:50:20 AM LAST SAVED BY: AV GROUP SCALE: NTS DRAWN BY: DV/IZ DRAWING NUMBER: SHEET REV:	REV	DATE	DESCRIPTION	
MPAC - 10TH FLOOR UPDATES 1340 PICKERING PARKWAY PICKERING, ON SHEET NAME: 10TH FLOOR KEY PLAN PROJECT #: J11140 PLOTTED DATE: 8/14/2024 9:50:20 AM LAST SAVED BY: AV GROUP SCALE: NTS DRAWN BY: DV/IZ DRAWING NUMBER: SHEET REV:	REVISI	ON HISTORY:		
1340 PICKERING PARKWAY PICKERING, ON SHEET NAME: 10TH FLOOR KEY PLAN PROJECT #: JIII40 PLOTTED DATE: 8/14/2024 9:50:20 AM LAST SAVED BY: AV GROUP SCALE: NTS DRAWN BY: DV/IZ DRAWING NUMBER: SHEET REV:	PROJE	CT:		
PICKERING, ON SHEET NAME: IOTH FLOOR KEY PLAN PROJECT #: PROJECT #	MP	AC - 101	TH FLOOR UPDAT	ES
PICKERING, ON SHEET NAME: IOTH FLOOR KEY PLAN PROJECT #: PROJECT #	134		RING PARKWAY	
SHEET NAME: IOTH FLOOR KEY PLAN PROJECT #: JIII40 PLOTTED DATE: 8/14/2024 9:50:20 AM LAST SAVED BY: AV GROUP SCALE: NTS DRAWN BY: DV/IZ DRAWING NUMBER: SHEET REV:				
IOTH FLOOR KEY PLAN PROJECT #: JIII40 PLOTTED DATE: 8/14/2024 9:50:20 AM LAST SAVED BY: AV GROUP SCALE: NTS DRAWN BY: DV/IZ DRAWING NUMBER: SHEET REV:	РIU	NERING,		
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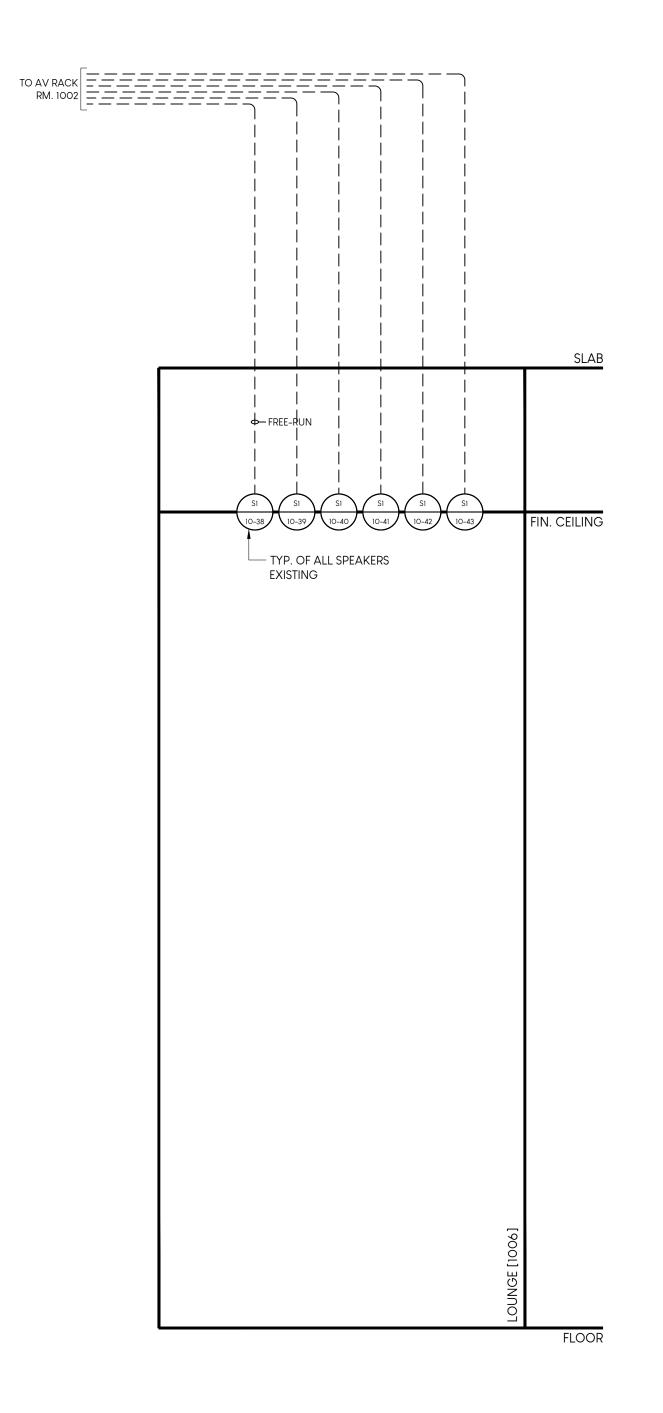




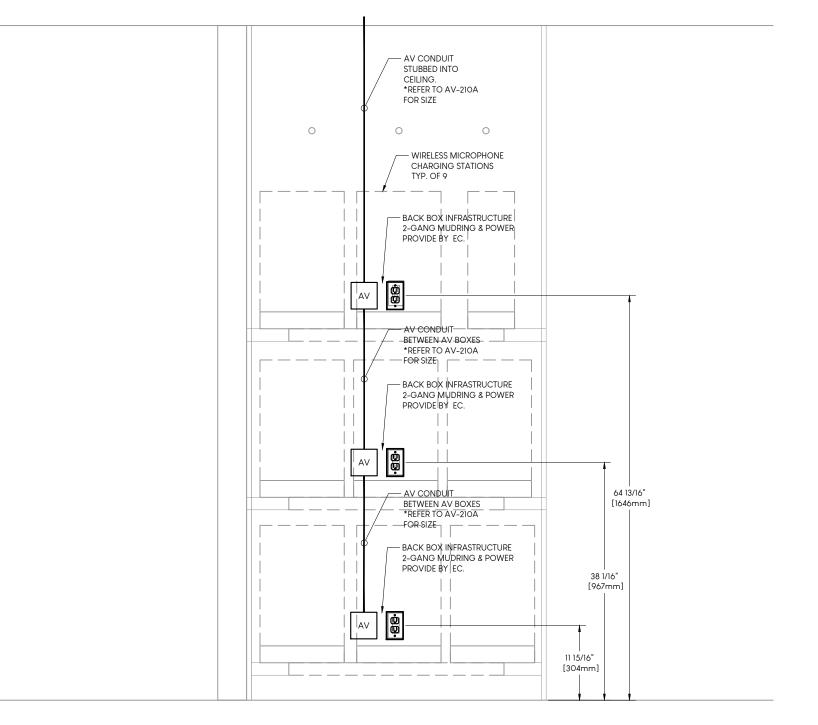








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AV DEVICE:
*REFER TO BOX DIMENSION *REFER TO BOX DIMENSI
CONDUIT TAG:
CONDUIT MATERIAL CONDUIT TRADE SIZE (INCHES) "REFER TO CONDUIT TRADE SIZE INDEX"
REFER TO AV DEVICE INDEX *COMMUNICATION AND COMMUNICATION AND INCHES IMILIAMETERS] PROXIMITY TO AV BOX
RISER SPEAKER GROUP: SPEAKER DEVICE CABLING IN BETWEEN SPEAKERS (NOT SHOWN) *REFER TO DEVICE INDEX FOR DETAILS*
SPEAKER GROUPING "INDICATES SPEAKERS ARE ZONED
& DAISY CHAINED TOGETHER*
1 08/14/24 PHASE #2 - FOR COORDINATION REV DATE DESCRIPTION
REVISION HISTORY: PROJECT:
MPAC - 10TH FLOOR UPDATES
1340 PICKERING PARKWAY PICKERING, ON
SHEET NAME: 10TH FLOOR RISER DRAWING – CONTINUED
PROJECT #: J11140
PLOTTED DATE: 8/14/2024 9:50:22 AM LAST SAVED BY: AV GROUP SCALE: NTS
DRAWN BY: DV/IZ DRAWING NUMBER: SHEET REV:
AV-210B

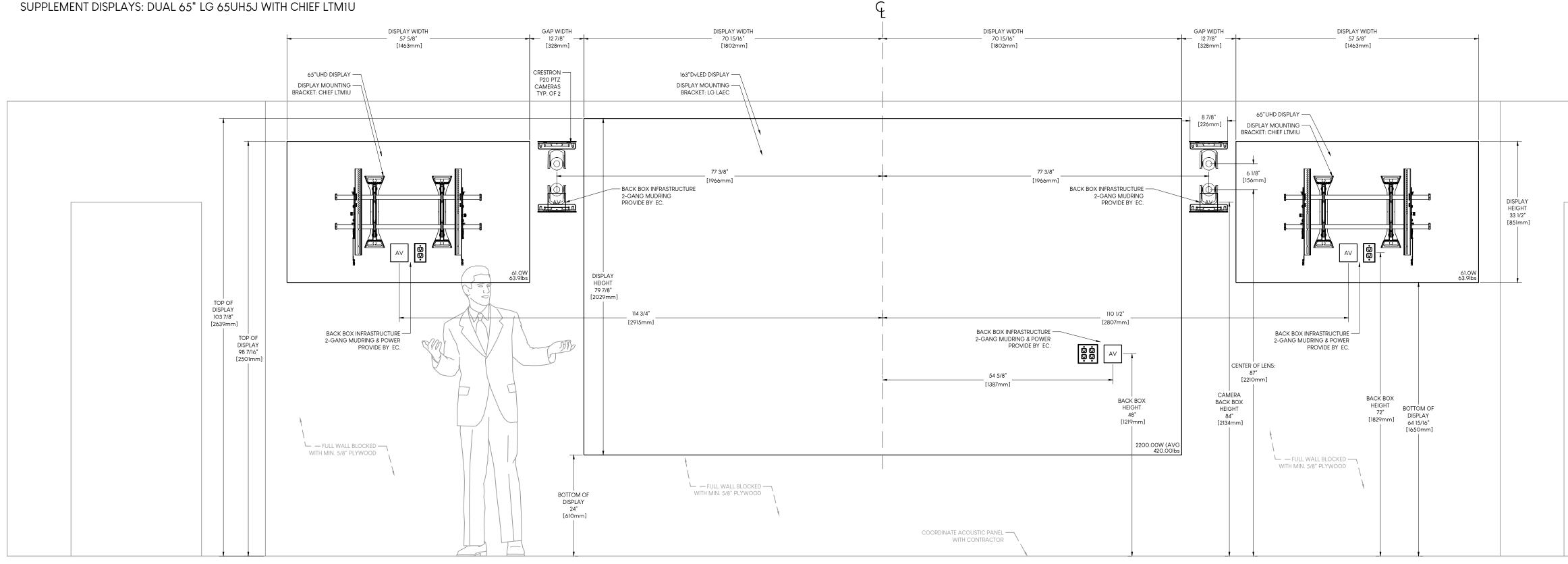




MICROPHONE CLOSET - ELEVATION VIEW / DETAIL AV-610A SCALE: NTS

ROOM NAME: MEETING ROOM ROOM NUMBER: 1003

MAIN DISPLAY: 163" LG LAECO18-GN2 WITH LG LAEC MOUNT SUPPLEMENT DISPLAYS: DUAL 65" LG 65UH5J WITH CHIEF LTM1U





MEETING ROOM - ELEVATION VIEW



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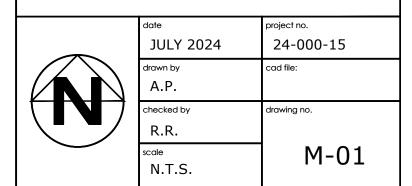
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		MEETING R	00M - 1003 I & MOUNTING	
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GENERAL NOTES	GENERAL NOTES	RECORD DRAWINGS	HVAC SYSTEM	PLUMBING SYSTEM	
1. ARCHITECTURAL GENERAL INSTRUCTIONS SHALL BE READ IN CONJUNCTION WITH AND FORM PART OF THIS CONTRACT. SPECIFICATIONS AND STANDARD DRAWINGS OF LOCAL AUTHORITIES HAVING JURISDICTION SHALL BE READ IN CONJUNCTION WITH AND FORM PART OF THIS CONTRACT. MAXIMUM CONDITIONS WILL GOVERN.	35. PROVIDE THE OWNER WITH A WRITTEN WARRANTY, FOR ALL LABOUR, MATERIALS AND EQUIPMENT IN THIS CONTRACT, FOR A PERIOD OF ONE YEAR COMMENCING AT SUCH TIME THAT THE OWNER, OR HIS REPRESENTATIVE, DEEMS THE WORK ACCEPTABLE.	RECORD DRAWINGS 1. SUITABLY STORE AND PROTECT DRAWINGS ON SITE. IN A NEAT MANNER, MARK WITH RED PEN ALL REVISIONS TO DESIGN DRAWINGS AND MAKE AVAILABLE AT ALL TIMES FOR	 FABRICATE DUCTWORK FROM GALVANIZED SHEET METAL UNLESS OTHER MATERIALS ARE SPECIFICALLY NAMED. CONFORM TO FABRICATION AND INSTALLATION STANDARDS DESCRIBED IN THE LATEST EDITION OF ASHRAE AND SMACNA RECOMMENDATIONS. A. DUCTWORK SHALL BE SMOOTH ON THE INSIDE AND FREE FROM OBSTRUCTIONS, 	 PROVIDE PLUMBING SYSTEMS AS PER SPECIFICATIONS, DRAWINGS, THE ONTARIO PLUMBING CODE, THE O.B.C. AND LOCAL BY-LAWS. PROVIDE ALL NECESSARY ACCESSORIES AND FITTING REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEMS. MAKE ALL WATER, WASTE AND VENT PIPING CONNECTIONS AS REQUIRED. PROVIDE 	P-2
 SPECIFICATIONS ARE INTEGRAL PART OF ACCOMPANYING DRAWINGS. ANY ITEM OMITTED FROM ONE OR OTHER, BUT WHICH IS MENTIONED OR REASONABLY IMPLIED SHALL BE CONSIDERED AS PROPERLY AND SUFFICIENTLY SPECIFIED. PROVIDE ALL WORK AS INDICATED AND SPECIFIED HEREIN. INCLUDE SYSTEM 	36. PROVIDE ALL ITEMS, ARTICLES, MATERIALS, OPERATIONS OR METHODS LISTED, MENTIONED OR SCHEDULED ON THE DRAWINGS AND/OR HEREIN SPECIFIED, INCLUDING ALL LABOUR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY AND REQUIRED FOR THEIR COMPLETION (CURBS, MOUNTINGS, SUPPORTS, ETC.).	INSPECTION. TRANSFER ALL MODIFICATIONS FROM ORIGINAL DESIGN TO DIGITAL COPY USING AutoCAD SOFTWARE. UPON COMPLETION OF WORK SUBMIT A COMPLETE SET OF RECORD DRAWING PRINTS AND DIGITAL COPY OF RECORD DRAWINGS IN PDF AND DWG FORMAT TO ENGINEER AND BUILDING OWNER.	VIBRATIONS AND RATTLE. B. DAMPERS SHALL BE FREE TO MOVE IN EITHER DIRECTION WITHOUT BINDING AND SHALL NOT RATTLE. DAMPERS SHALL BE CONSTRUCTED FROM 18GA GALVANIZED SHEET METAL. USE MANUAL QUADRANTS ON SMALL DUCTS. ON DAMPERS LONGER THAN 15" USE PUSH	VENTING, TRAPPING AND PRIMING AS PER THE APPLICABLE REGULATIONS. 3. PROVIDE ALL CURBS, MOUNTINGS AND SUPPORTS FOR EQUIPMENT, FIXTURES AND PIPING AS REQUIRED AND SPECIFIED.	- P-:
COMPONENTS AND ACCESSORIES NOT INDICATED ON DRAWINGS OR STIPULATED HEREIN BUT REQUIRED TO ENSURE FULLY OPERATIONAL SYSTEMS. 4. ALL WORK AND EQUIPMENT SHALL BE IN CONFORMANCE WITH ASHRAE 90.1.	37. UNLESS NOTED OTHERWISE, PROVIDE NEW MATERIALS AND EQUIPMENT MANUFACTURED TO REFERENCE STANDARDS AND AS SCHEDULED. 38. EXISTING SERVICES SHALL BE FIELD CHECKED BEFORE WORK	2. RECORD INVERTS OF UNDERGROUND PIPING AT BUILDING ENTRY/EXIT AND BELOW FLOOR SLAB AT EACH BRANCH, RISER BASE, CHANGE IN DIRECTION AS WELL AS AT LEAST THREE POINTS ON STRAIGHT RUNS.	RODS WITH DURODYNE MODEL SRP BALL JOINTS. USE TWO PUSH RODS ON DUCTS WIDER THAN 24". C. DUCT TRANSFORMATIONS SHALL BE MADE WITH EXPANSION FITTINGS HAVING SLOPES NOT EXCEEDING 1 TO 7 AND CONTRACTION FITTINGS HAVING SLOPES NOT EXCEEDING 1 TO 4.	 4. ALL EXPOSED FITTINGS CONNECTED TO FIXTURES SHALL BE CHROME-PLATED BRASS. ALL EXPOSED FITTINGS AND TRIM SHALL BE CHROME PLATED. PROVIDE ESCUTCHEONS PLATES ON ALL PIPING THROUGH PARTITIONS. 5. IN REFERENCE TO SANITARY SEWERS, STORM SEWERS, DOMESTIC COLD WATER LINES. 	- P-4 P-5
5. CONFER AND CO-OPERATE WITH ALL TRADES INSTALLING EQUIPMENT WHICH MAY AFFECT THE MECHANICAL WORK AND ARRANGE THE WORK IN PROPER RELATION WITH EQUIPMENT INSTALLED UNDER ALL DIVISIONS OF THE CONTRACT FOR THE SATISFACTORY COMPLETION OF THE JOB. IDENTIFY AND RESOLVE SITE INTERFERENCES PRIOR TO FABRICATION AND INSTALLATION OF EQUIPMENT. CO-ORDINATE INSTALLATION WITH OWNER'S INTERIOR DESIGN	COMMENCEMENT INCLUDING LOCATION, SIZE AND ELEVATION OF RELEVANT PIPING, VALVES, MANHOLES, ETC. ALSO PROPOSED ELEVATIONS SHALL BE VERIFIED FOR FLOOR DRAINS, CATCH BASINS, GRADE AND MANHOLES TOP ELEVATIONS. 39. CONSERVE HEADROOM AND MAINTAIN SERVICE SPACE AROUND SERVICEABLE	3. SHOW LOCATIONS OF ACCESS DOORS AND PANELS AND IDENTIFY THE EQUIPMENT AND COMPONENTS THAT THEY SERVE. <u>OPERATING AND MAINTENANCE MANUALS</u>	 D. SEAL ALL JOINTS IN SUPPLY AIR AND EXHAUST AIR DUCTWORK WITH 3M EC-800, OR DURODYNE S-3 DUCT SEALER. E. PACK AROUND ALL DUCT OPENINGS IN ROOF AND WALLS WITH FIBERGLASS INSULATION. F. PROVIDE FULL RADIUS TEES, BENDS, AND ELBOWS FOR CHANGES IN 	FIRE LINES, ETC. MECHANICAL CONTRACTOR MUST VERIFY ALL INVERT ELEVATIONS OF THE ABOVE MENTIONED SERVICES AND MANHOLES, RELATION TO GRADING AND FINISHED FLOOR ELEVATIONS AND COMPARE TO CONNECTION JOINTS INVERT ELEVATIONS ON THE STREET, BEFORE WORK COMMENCEMENT. MECHANICAL FLOOR PLANS AND SPECIFICATIONS MUST BE READ IN CONJUNCTION WITH FINISHED GRADING PLANS AND WITH THE	P-(
 6. "WORK" MEANS ALL PERMITS, EQUIPMENT, MATERIALS, LABOUR, START-UP AND TESTING TO PROVIDE A COMPLETE MECHANICAL INSTALLATION AS REQUIRED. 	EQUIPMENT AS PER MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. 40. BEAR THE COST OF CLEAN-UP, (FLOORS, WALLS, CEILINGS ETC.), CUTTING, PATCHING AND FLASHING OF BUILDING STRUCTURE AND ROOF. EMPLOY	1. SUBMIT ONE COPY FOR REVIEW AT LEAST TWO WEEKS BEFORE INSTRUCTIONS TO OWNER ARE COMMENCED. 2. SUBMIT 2(TWO) COPIES OF FINAL MANUALS TO THE ENGINEER. 3. ENSURE THAT THE TERMINOLOGY USED IN VARIOUS SECTIONS OF THE MANUAL IS	DIRECTION EXCEPT WHERE SQUARE ELBOWS ARE REQUIRED DUE TO SPACE RESTRICTIONS. PROVIDE DURODYNE DOUBLE THICKNESS 24 GAUGE TURNING VANES ASSEMBLED IN TOP AND BOTTOM RAILS IN SQUARE ELBOWS. PROVIDE FIRE DAMPERS WHERE SHOWN ON DRAWINGS AND/OR WHERE REQUIRED BY LOCAL	 MECHANICAL SITE PLANS. WHERE SITE PLAN IS DESIGNED BY "OTHERS" SAME PROCEDURES DESCRIBED ABOVE AS APPLICABLE FOR ALL SERVICES. 6. INDOOR UNDERGROUND STORM AND SANITARY PIPES SHALL BE CSA CLASS 4000 CAST IRON SOIL PIPE AND FITTINGS WITH MECHANICAL JOINTS. MATERIALS, FITTINGS, 	- P-;
 7. "PROVIDE" MEANS SUPPLY AND INSTALL. WHERE USED IN REFERENCE TO SERVICES SUCH AS TESTING, START-UP AND COMMISSIONING, IT MEANS PROCURE, SUPERVISE, TAKE RESPONSIBILITY AND PAY FOR THESE SERVICES. 8. "SUPPLY" MEANS FURNISH TO SITE IN LOCATION REQUIRED OR DIRECTED 	THE OWNER'S GENERAL CONTRACTOR TO DO THE WORK. INFORM THE ENGINEER PRIOR TO PROCEEDING. 41. ENSURE THAT THE LABOUR UNION AFFILIATION IS COMPATIBLE WITH THAT OF THE OWNER'S GENERAL CONTRACTOR.	CONSISTENT. 4. EACH MANUAL SHALL CONTAIN THE FOLLOWING INFORMATION: DESCRIPTION OF EACH SYSTEM WITH DESCRIPTION OF EACH MAJOR COMPONENT OF SYSTEM	AUTHORITIES AND/OR APPLICABLE CODES IN DUCT SECTIONS COMPLETE WITH APPROVED 3. ACCESS DOORS. FIRE DAMPERS SHALL BE ULC LABELED, FABRICATED AND INSTALLED IN ACCORDANCE WITH NFPA 90A, CUA 90–1 AND APPROVAL OF ALL AUTHORITIES HAVING JURISDICTION.	 CONSTRUCTION AND INSTALLATION METHODS SHALL CONFORM TO THE CURRENT STANDARDS OR LOCAL AUTHORITIES HAVING JURISDICTION. ALL MECHANICAL JOINTS (MJ) INSTALLED BELOW GRADE, AT THE BASE OF ALL SANITARY STACKS, ON SANITARY DRAINS 4"(100mm) AND LARGER, ON ALL STORM DRAINAGE PIPING, AND AS NOTED WITHIN THE PLUMBING FIXTURE SCHEDULE, SHALL BE EQUIVALENT 	
COMPLETE WITH ACCESSORY PARTS. 9. "INSTALL" MEANS MOUNT, SECURE IN PLACE AND CONNECT FOR OPERATION AS REQUIRED OR DIRECTED. 10. "CONCEALED" MEANS NOT VISIBLE ON COMPLETION.	 42. ALL ELECTRICAL DISCONNECT SWITCHES AND ALL MANUAL OR AUTOMATIC STARTERS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. 43. ALL LINE SIDE POWER WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR AND SHALL BE TERMINATED AT A JUNCTION BOX ADJACENT TO THE 	- COMPLETE SETS OF PAGE SIZE EQUIPMENT SHOP DRAWINGS - EQUIPMENT MANUFACTURER'S INSTALLATION, STARTUP AND OPERATION MANUALS - EQUIPMENT MANUFACTURER'S RECOMMENDED SPARE PARTS LISTS	 PROVIDE FLEXIBLE CONNECTIONS BETWEEN ALL FANS AND ADJACENT DUCTWORK CONSISTING OF A PREASSEMBLED UNIT WITH 75MM (3") LONG GALVANIZED DUCT CONNECTOR AND 150 MM (6") WIDE HEAVY GLASS FIBRE FABRIC WITH ELASTOMER COATING EQUAL TO DURO DYNE 'DUROLON'. 	TO MISSION HEAVY WEIGHT COUPLINGS C/W MULTIPLE BANDS ATTACHED TO HEAVY DUTY CORRUGATED 304 STAINLESS STEEL SHIELD OVER A MOLDED ONE-PIECE ELASTOMER SEALING SLEEVE, SEALING RINGS ON FLANGED NEOPRENE RUBBER GASKET SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM C 564, AXIALLY SLOTTED HEAVY DUTY WORM	
 10. CONCEALED MEANS NOT VISIBLE ON COMPLETION. 11. "EXPOSED" MEANS VISIBLE ON COMPLETION. 12. "AUTHORITIES HAVING JURISDICTION" MEANS ANY AND ALL CURRENT LAWS AND/OR BY-LAWS OF ANY AUTHORIZED AGENCY HAVING OR CLAIMING 	EQUIPMENT OR AT THE STARTER OR AT THE DISCONNECT SWITCH OR AT THE PACKAGED EQUIPMENT CONTROL PANEL, AS INDICATED ON MECHANICAL AND/OR ELECTRICAL DRAWINGS. WHEN A JUNCTION BOX IS PROVIDED BY DIV-16 (REFER TO ELECTRICAL DRAWINGS), DIV-15 SHALL PROVIDE	- EQUIPMENT WIRING DIAGRAMS - LUBRICATION SCHEDULE FOR ALL EQUIPMENT - EQUIPMENT IDENTIFICATION LIST WITH SERIAL NUMBERS	NOTE THAT DUCT DIMENSIONS ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS. WHERE ACOUSTIC INSULATION IS INSTALLED, INCREASE DIMENSIONS ACCORDINGLY. 6. DUCTWORK INSULATION (PER ASHRAE 90.1) A. PROVIDE 25 MM (1") THICK ACOUSTIC DUCT LINER WHERE SHOWN ON DRAWINGS.	DRIVE CLAMPS CAPABLE OF TIGHTENING TO 80 IN/LBS OF TORQUE AND FM 1680 COMPLIANT. 8. ALL WALL AND FLOOR OPENINGS SHALL BE PACKED WITH AN APPROVED FIRE BARRIER MINERAL WOOL TO 25MM (1") FROM END SIDE OF OPENING ON BOTH SIDES OF FLOOR	- P-'
JURÍSDICTION OVER SUM TOTAL OR PARTS OF WORK. 13. APPLY FOR, OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED. INCLUDE ALL H.S.T. 14. COMPLY WITH ALL GOVERNMENT, MUNICIPAL, PROVINCIAL, FEDERAL AND	CONNECTION BETWEEN EQUIPMENT AND JÚNCTION BOX. ALL LOAD SIDE AND CONTROLS WIRING SHALL BE BY THE MECHANICAL CONTRACTOR. 44. PROVIDE WHERE SHOWN AND/OR REQUIRED BY SITE CONDITIONS, ALL ACCESS DOORS COMPATIBLE WITH CEILING/WALL TYPES AND FINISHES. MARK IN AN APPROVED MANNER, T-BAR CEILING TILES WHICH ARE USED	 PAGE SIZE VALVE TAG SCHEDULE AND FLOW DIAGRAMS FINAL BALANCING REPORTS WATER TREATMENT PROCEDURE AND TESTS 	ACOUSTIC LINER SHALL BE JOHNS MANVILLE PERMACOTE LINACOUSTIC RECTANGULAR DUCT LINER MEETING ASTMC 1071 WITH AIR SURFACE COATED WITH ACRLIC COATING TREATED WITH EPA REGISTERED ANTI-MICROBIAL AGENT PROVEN TO RESIST MICROBIAL GROWTH AS DETERMINED BY ASTM G21 AND G22.	 OR WALL. REMAINING PORTION SHALL BE SEALED WITH AN APPROVED AND LISTED FIRE BARRIER SILICONE. 9. FINAL LOCATION OF ALL PLUMBING FIXTURES SHALL BE CO-ORDINATED ON SITE WITH ALL TRADES. REFER TO ARCHITECTURAL & SPECIALTY EQUIPMENT CONSULTANT LAYOUT DRAWINGS AND DETAILS FOR EXACT LOCATION OF FIXTURES. 	-
UNDERWRITER'S REGULATIONS AND LOCAL BY-LAWS. CARRY OUT ALL CHANGES REQUIRED BY INSPECTORS OR AUTHORITIES HAVING JURISDICTION WITHOUT EXTRA EXPENSE TO THE OWNER. PREPARE AND FURNISH ANY ADDITIONAL DRAWINGS, DETAILS OR INFORMATION AS MAY BE REQUIRED. NOTIFY CONSULTANT OF CHANGES REQUIRED PRIOR TO MAKING CHANGES.	FOR ACCESS. PROVIDE MILCOR, LEHAGE OR APPROVED EQUAL, ACCESS DOORS. PROVIDE MINIMUM SIZE OF CEILING ACCESS OF A 4 SQUARE FEET. 45. THIS CONTRACTOR SHALL COMPLY WITH LANDLORD'S GENERAL REQUIREMENTS FOR WORK TO BASE BUILDING SYSTEMS.	 CONTROL DRAWINGS, SEQUENCES OF OPERATION WARRANTY DOCUMENTATION EXTENDED WARRANTY DOCUMENTATION IF APPLICABLE 	 B. INSULATE SUPPLY AND RIGID DUCTWORK WITHIN UNCONDITIONED SPACE WITH THERMAL FIBERGLASS REINFORCED FOIL-FACED RIGID VAPOR SEAL DUCT INSULATION HAVING AN R-VALUE OF 3.3 HR FTý øF/BTU. C. REFER TO 'DUCTWORK INSULATION SCHEDULE'. 	 10. PROVIDE NEW PLUMBING FIXTURES WHERE INDICATED ON PLANS, OF MAKE AND MODEL AS SPECIFIED ON MECHANICAL DRAWINGS. ALL FIXTURES SHALL BE OF FIRST QUALITY, CLEANED AND IN PERFECT CONDITION FOR THE TENANT OWNER TAKEOVER. FIXTURES SHALL BE PIPED COMPLETE IN A FIRST CLASS MANNER WITH ALL NECESSARY 	-
 FURNISH NECESSARY CERTIFICATES AS EVIDENCE THAT WORK INSTALLED CONFORMS WITH LAWS AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION. ALL ELECTRICAL ITEMS SHALL BE CSA APPROVED OR BEAR A STAMP TO 	 46. INCLUDE FOR PREMIUM TIME FOR WORK REQUIRED OUTSIDE OF NORMAL BUSINESS HOURS. 47. PROVIDE FIRE STOP FOR ALL PENETRATIONS THROUGH RATED PARTIONS AND SLABS. FIRE STOP MATERIAL SHALL BE ULC APPROVED AND CONFORM TO 	 OPERATING AND MAINTENANCE MANUALS SHALL BE SUBMITTED AS A COMPLETE SINGLE PACKAGE IN A THREE RING BINDER AND PREPARED IN A PROFESSIONAL MANNER INCLUDING THE FOLLOWING: TABLE OF CONTENTS. 	FLEXIBLE DUCT SHALL BE EQUAL TO FLEXMASTER TRIPLE LOCK ALUMINUM AIR DUCT AND SHALL BE THE SAME SIZE AS THE DIFFUSER NECK TO WHICH IT CONNECTS TO UNLESS OTHERWISE SHOWN. SUPPORT FLEXIBLE DUCT AT MAXIMUM 5'-0" SPACING. USE GEAR CLAMPS FOR SECURING FLEXIBLE DUCTS TO RIGID DUCT CONNECTIONS SUCH AS	APPURTENANCES FOR A COMPLETE FIXTURE IN EVERY RESPECT. INSTALL ALL COMPONENTS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. 11. PROVIDE ISOLATING VALVES ON MAIN AND/OR BRANCH LINES AND FOR ALL EQUIPMENT SERVED WITH HOT AND COLD WATER LINES. ALL VALVES SHALL BE SUITABLE FOR THE	2.
INDICATE SPECIAL ELECTRICAL SAFETY AUTHORITY APPROVAL. 17. PRIOR TO TENDER SUBMISSION VISIT AND EXAMINE THE SITE AND PLANS, BECOME FAMILIAR WITH ALL FEATURES WHICH AFFECT THE WORK, VERIFY ALL CONDITIONS AND DIMENSIONS, AND ALLOW FOR ANY RE-ROUTING OF INSTALLED SERVICES AND EQUIPMENT IN TENDER PRICE, FAILURE TO DO SO	BASE BUILDING STANDARDS. 48. CONDUCT AND PAY FOR X-RAYING OF CONCRETE STRUCTURE PRIOR TO CUTTING AND CORE DRILLING. SUBMIT X-RAY RESULTS AND LOCATION OF PROPOSED PENETRATIONS TO BASE BUILDING STRUCTURAL ENGINEER FOR REVIEW. OBTAIN AND PAY FOR APPROVAL FROM THE BASE BUILDING	 NUMBERED SECTION TABS. PAGE NUMBERS. FRONT COVER WITH PROJECT DETAILS SUCH AS CLIENT NAME, PROJECT LOCATION 	 SPIN-ON FITTINGS, ETC. AND NECKS OF DIFFUSERS AND SEAL AIR TIGHT WITH DUCT TAPE. ROUND FLEXIBLE DUCTS SHALL BE MAXIMUM 3.0M (10') LONG AND REMAINDER SHALL BE ROUND RIGID DUCT OF THE SAME DIAMETER. PROVIDE BALANCING DAMPERS IN ALL BRANCHES OFF THE MAIN DUCTWORK WITH SUITABLE MEANS OF CEILING ACCESS FOR BALANCING. AND VOLUME DAMPERS FOR ALL SUPPLY AIR 	OPERATING PRESSURE OF THE SYSTEM IN WHICH THEY ARE INSTALLED. 12. PROVIDE ACCESS DOORS TO ALL PLUMBING EQUIPMENT WHERE INDICATED AND/OR REQUIRED OF SIZE TO SUIT CONVENIENT MAINTENANCE REQUIREMENTS.	- 3.
SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY. NO EXTRAS WILL BE ALLOWED FOR ANY DIFFICULTIES ENCOUNTERED DUE TO ANY FEATURES OF THE BUILDING OR THE SITE OR THE ADJACENT PROPERTIES WHICH EXISTED UP TO THE TIME OF TENDER.	STRUCTURAL ENGINEER FOR ALL NEW PENETRATIONS THROUGH THE BUILDING STRUCTURE. CUTTING AND CORE DRILLING OF THE STRUCTURE SHALL NOT COMMENCE UNTIL RECEIVING APPROVAL FROM BASE BUILDING STRUCTURAL ENGINEER. OBTAIN PERMISSION FROM LANDLORD FOR X-RAYING. WRITTEN REQUEST TO X-RAY SHALL BE SUBMITTED TO THE LANDLORD 48 HOURS	AND CONTRACTOR CONTACT INFORMATION. - INTRODUCTION SHEET. - COPY OF EACH REVIEWED SHOP DRAWING.	 MEANS OF CEILING ACCESS FOR BALANCING, AND VOLUME DAMPERS FOR ALL SUPPLY AIR DIFFUSERS AND REGISTERS. 11. PROVIDE GRILLES, DIFFUSERS, REGISTERS AND DOOR GRILLES OF SIZE AND TYPE CALLED FOR ON THE DRAWINGS. HAND OVER DOOR GRILLES TO THE GENERAL CONTRACTOR FOR INSTALLATION IN THE DOORS. 	 13. PIPING INSULATION A. COVER ALL WATER LINES, FITTINGS, VALVE, WATER METERS AND APPURTENANCES WITH JOHNS MANVILLE MICRO-LOK AP-T PLUS FIBERGLASS PIPE INSULATION WITH FACTORY APPLIED ALL PURPOSE VAPOUR BARRIER JACKET. RECOVER WITH (6 0Z./SQ. 	- +.
 18. REPORT TO THE ENGINEER ALL AMBIGUITIES, DISCREPANCIES, OMISSIONS, ERRORS AND DEPARTURES FROM BUILDING BYLAWS AND/OR FROM GOOD PRACTICE PRIOR TO TENDER CLOSING. 19. IN CASE OF APPARENT CONTRADICTION OR AMBIGUITY IN TENDER DOCUMENTS OF APPARENT CONTRADICTION OR AMBIGUITY IN TENDER 	PRIOR TO PROPOSED X-RAYING TIME AND DATE. ALL X-RAYING SHALL BE PERFORMED AFTER HOURS. 49. THIS CONTRACTOR SHALL PROVIDE THE LANDLORD WRITTEN NOTICE 48 HOURS PRIOR TO REQUIRED ACCESS TO RESTRICTED AREAS OR OTHER	- EQUIPMENT OPERATING AND MAINTENANCE MANUALS AS DESCRIBED - START-UP AND VERIFICATION TEST REPORTS.	 PROVIDE ALL CONTROLS, WIRING AND APPURTENANCES NECESSARY FOR COMPLETE AND OPERATING SYSTEMS. CONNECT ALL ROOM THERMOSTATS, DAMPERS, BASEBOARD HEATERS AND OTHER CONTROL DEVICES AS NECESSARY. INSTALL AIR TERMINALS IN STRICT ACCORDANCE WITH FINAL REFLECTED ARCHITECTURAL 	YD.) CANVAS. B. COVER ALL WATER LINES, FITTINGS, VALVE, WATER METERS AND APPURTENANCES WITH JOHNS MANVILLE MICRO-LOK AP-T PLUS FIBERGLASS PIPE INSULATION WITH FACTORY APPLIED ALL PURPOSE VAPOUR BARRIER JACKET. ADHERE AT LONGITUDINAL	_ 5.
DOCUMENTS, OR WHERE THERE ARE APPARENT DISCREPANCIES IN OR OMISSIONS FROM DOCUMENTS, OR IF THERE IS ANY DOUBT AS TO INTENT OF DOCUMENTS, REQUEST AND OBTAIN WRITTEN CLARIFICATION FROM CONSULTANT PRIOR TO SUBMITTING YOUR TENDER. CONSIDERATIONS WILL NOT BE GRANTED FOR MISUNDERSTANDING OF INTENT OF DOCUMENTS OR EXTENT OF WORK TO BE PERFORMED.	TENANT SPACES. 50. SEISMIC NOTE:MECHANICAL CONTRACTOR SHALL PROVIDE SUPPORTS AND HANGERS FOR SUSPENDED EQUIPMENT, PIPES, DUCTS, ETC. TO WITHSTAND SEISMIC EVENTS FOR LOCATIONS AS PER LOCAL BUILDING CODE AND ALL APPLICABLE REGULATIONS. IT IS THE MECHANICAL CONTRACTOR'S		CEILING PLANS. 14. PROVIDE TRANSFER AIR DUCT IN CEILING SPACE FOR ALL WALLS EXTENDING TO UNDERSIDE OF DECK OR FLOOR SLAB ABOVE. TRANSFER AIR DUCTS ARE TO BE PROVIDED WHETHER OR NOT THEY ARE SHOWN ON PLANS. TRANSFER AIR DUCT SHALL BE MINIMUM 24" X 12" 'L' SHAPED CONSTRUCTION WITH MINIMUM 36"		- 6.
20. PROVIDE A COMPLETE BREAKDOWN OF MATERIALS, EQUIPMENT AND LABOUR COSTS WITH EACH SUBMISSION FOR EXTRA OR DELETED WORK. FAILURE TO DO SO WILL RESULT IN BACKCHARGES FOR ADDITIONAL CONSULTING SERVICES TO PROCESS SUCH CLAIMS.	RESPONSIBILITY TO HIRE LICENSED PROFESSIONAL ENGINEER TO DESIGN SUPPORTS AND HANGERS FOR SEISMIC APPLICATION, REVIEW COMPLETE INSTALLATION AS REQUIRED. UPON COMPLETION THE ENGINEER SHALL ISSUE A CERTIFICATION LETTER INDICATING THAT SUCH INSTALLATION IS CONSTRUCTED IN COMPLIANCE WITH LOCAL BUILDING CODE AND ALL	FIRE PROTECTION SYSTEM	 15. PROVIDE ROOF CURBS FOR ROOF MOUNTED EQUIPMENT, DUCT AND PIPE PENETRATIONS. PRE-MANUFACTURED CURBS ARE TO BE PROVIDED FOR MECHANICAL EQUIPMENT MOUNTED ON ROOF AND TO BE SUPPLIED BY 	14. PROVIDE TRAP SEAL PRIMER TO ALL HUB DRAINS, FLOOR DRAINS, FUNNEL FLOOR DRAINS IN ACCORDANCE WITH CODES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ADEQUATE COLD WATER SUPPLY. PROVIDE ALL NECESSARY PIPING TO SUPPLY TRAP SEAL PRIMER. NO EXTRAS SHALL BE ACCEPTED FOR PROVIDING TRAP SEAL PRIMER	7.
21. PROVIDE PROPER SHOP DRAWINGS OF ALL SPECIFIED PRODUCTS AND SUBMIT FOR REVIEW TO THE ARCHITECT AND ENGINEER. SUBMIT SHOP DRAWINGS IN ELECTRONIC 'PDF' FILE FORMAT. SHOP DRAWINGS ARE TO INDICATE PROJECT SPECIFIC TECHNICAL DATA. CLEARLY MARK ITEMS BEING SUPPLIED, NORMAL AND OPTIONAL ACCESSORIES. DO NO SUBMIT SALES	APPLICABLE REGULATIONS. 51. STRUCTURAL REINFORCING: MECHANICAL CONTRACTOR SHALL PROVIDE ALL STRUCTURAL REINFORCING TO BUILDING STRUCTURE AS PER LOCAL BUILDING CODE. IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO HIRE A LICENSED PROFESSIONAL ENGINEER TO DESIGN ALL STRUCTURAL	SPRINKLER_SYSTEM 1. MAKE ALL MODIFICATIONS TO THE EXISTING AUTOMATIC SPRINKLER SYSTEMS AS INDICATED ON PLANS TO THE APPROVAL OF THE AUTHORITIES HAVING JURISDICTION, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL FIRE DEPARTMENT. THE SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, AND 231.	EQUIPMENT MANUFACTURER. ROOF CURB IS TO BE AT LEAST 14" ABOVE FINISHED ROOF. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF ROOF CURB WITH ROOFING CONTRACTORS. 16. BALANCING	 15. CLEANING, FLUSHING AND DISINFECTING OF WATER PIPING A. BE RESPONSIBLE FOR CARE AND CLEANING OF THE PIPING SYSTEM DURING AND AFTER CONSTRUCTION. PLUG ALL OPEN ENDS DURING CONSTRUCTION TO PREVENT THE ENTRANCE OF FOREIGN MATERIALS. 	9.
 22. REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL AND CLEARLY CERTIFY AS 'CORRECT FOR REVIEW BY CONSULTANT'. SHOW COMPANY NAME, DATE AND SIGN ALL SHOP DRAWINGS. 	REINFORCING REQUIRED FOR NEW MECHANICAL EQUIPMENT ON ROOF OR SUSPENDED FROM BUILDING STRUCTURE. A BUILDING PERMIT MUST BE OBTAINED. SUBMIT FOR APPROVAL TO PROJECT COORDINATOR, LANDLORD AND MECHANICAL ENGINEER PRIOR TO CONSTRUCTION. STRUCTURAL REINFORCING DESIGN SHALL BEAR THE SEAL OF A PROFESSIONAL	 PROVIDE ALL THE NECESSARY CALCULATIONS REQUIRED TO DESIGN THE SYSTEM TO SUIT THE APPLICATION, THE EXISTING CONDITION AND THE MUNICIPAL WATER PRESSURES AND FLOWS. THE SYSTEM SHALL BE HYDRAULICALLY DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL THE AUTHORITIES HAVING JURISDICTION, AND THE OWNER'S 	TEST, BALANCE AND ADJUST ALL AIR, HYDRONIC AND PLUMBING SYSTEMS ENTIRELY TO OBTAIN THE DESIGN FLOW QUANTITIES. MARK THE FINAL BALANCE POSITION ON ALL BALANCING DAMPERS AND ADJUSTABLE AIR TURNING DEVICES AND BALANCE FITTINGS. SUBMIT AIR AND WATER SYSTEMS TEST AND BALANCE REPORT TO THE ENGINEER AND PROJECT CO-ORDINATOR. INDICATE ALL TEST	 B. FLUSH ALL SYSTEMS WITH CLEAN, POTABLE WATER TO REMOVE SCALE AND SEDIMENT IMMEDIATELY UPON FILLING. C. STERILIZE ALL NEW POTABLE WATER LINES TO MEET LOCAL MUNICIPAL REQUIREMENTS. 	12.
23. REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH GENERAL DESIGN CONCEPT. REVIEW DOES NOT MEAN THAT CONSULTANT APPROVES DETAIL DESIGN INHERENT IN SHOP DRAWINGS, RESPONSIBILITY FOR WHICH REMAINS WITH THE CONTRACTOR SUBMITTING SAME, AND SUCH REVIEW DOES NOT RELIEVE THE	ENGINEER. UPON COMPLETION THE ENGINEER SHALL ISSUE A CERTIFICATION LETTER INDICATING THAT SUCH INSTALLATION IS CONSTRUCTED IN COMPLIANCE WITH LOCAL BUILDING CODE, AND ALL APPLICABLE REGULATIONS.	INSURER REQUIREMENT. 3. PROVIDE NEW SPRINKLER HEADS TO MATCH BASE BUILDING FOR ALL SPRINKLER HEADS INDICATED TO BE "RELOCATED." UNDER NO CIRCUMSTANCES ARE SPRINKLER HEADS TO BE RE–USED.	RESULTS CLOSEST AND FURTHEST OUTLET SUPPLY AIR TEMPERATURES AND ROOM TEMPERATURES FOR ALL AIR SYSTEMS. INCLUDE FOR REPLACEMENT OF DRIVE KITS. INCLUDE ADDITIONAL BALANCING AS PART OF SCOPE AT LEAST ONE (1) MONTH FOLLOWING OCCUPANCY. THIS WORK SHALL BE PERFORMED BY AN	UPON REQUEST BY ENGINEER OR OWNER CONTRACTOR SHALL PROVIDE CERTIFICATION THAT STERILIZATION HAS BEEN COMPLETED. 16. HORIZONTAL PIPING SHALL BE SUPPORTED AT INTERVALS AS PER LATEST EDITION OF SECTION 7.3.4 "SUPPORT OF PIPING" OF THE 0.B.C.2012.	A
CONTRACTOR OF THE RESPONSIBILITY FOR ERRORS OR OMISSIONS CONTAINED IN SHOP DRAWINGS OR OF THE RESPONSIBILITY FOR MEETING ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS AT JOB SITE, FOR INFORMATION PERTAINING SOLELY TO FABRICATION PROCESSES	52. CHANGE NOTICE QUOTATIONS SHALL BE SUBMITTED COMPLETE WITH COST BREAKDOWN OF LABOR AND MATERIALS. FAILURE TO PROVIDE WILL RESULT IN REJECTION. ALL MECHANICAL CHANGE NOTICES SHALL BE PRICED IN ACCORDANCE WITH "MECHANICAL CONTRACTORS ASSOCIATION" (MCA). LABOR UNITS STRICTLY FOR LABOR AND FOR MATERIAL COST USE "ALL PRICER"	 4. SUBMIT SHOP DRAWINGS TO AUTHORITIES AND THE CONSULTANT FOR APPROVAL AND REVIEW PRIOR TO COMMENCEMENT. 5. SPRINKLER HEADS SHALL BE OF BRONZE CONSTRUCTION, CHROME PLATED FOR PENDANT TYPE FOR ALL FINISHED AREAS, AND UPRIGHT TYPE FOR EXPOSED INSTALLATION. 	ÀGENCY CURRENTLY A MEMBER OF AND IN GOOD STANDING WITH EITHER THE ASSOCIATED AIR BALANCE COUNCIL OR NATIONAL ENVIRONMENTAL BALANCING BUREAU. TESTING AND BALANCING CONTRACTOR SHALL BE APPROVED BY THE LANDLORD AND HIRED AT THE EXPENSE OF DIVISION 15. 17. CONTROLS	17. VERTICAL PIPING SHALL BE SUPPORTED AT THE FLOOR AND/OR WITH INTERMEDIATE WALL SUPPORTS AT 10FT. INTERVALS FOR PIPING 2" AND OVER AND 6FT INTERVALS FOR SMALLER PIPING. MORE FREQUENT SUPPORTS SHALL BE PROVIDED WHERE NECESSARY TO PREVENT MOVEMENT. PIPING SHALL BE SUPPORTED AS PER LATEST EDITION OF SECTION 7.3.4 "SUPPORT OF PIPING" OF THE 0.B.C.2012.	
AND TECHNIQUES OF CONSTRUCTION AND INSTALLATION, AND FOR CO-ORDINATION WITH RELATED TRADES. 24. THE MECHANICAL CONTRACTOR IS TO CIRCULATE REVIEWED AND STAMPED SHOP DRAWINGS TO THE ELECTRICAL AND STRUCTURAL ENGINEERS AND	LESS DISCOUNT, TYPICALLY 20% – 30%. 53. PROTECT ALL MECHANICAL WORK FROM DAMAGE INCLUDING THAT CAUSED BY WEATHER. KEEP ALL EQUIPMENT DRY AND CLEAN AT ALL TIMES. COVER OPENINGS IN EQUIPMENT, PIPES AND DUCTS WITH CAPS OR HEAVY GAUGE	 6. SPRINKLER LINES SHALL BE STANDARD BLACK STEEL SCHEDULE 40 COMPLETE WITH ALL FITTINGS, HANGERS AND APPURTENANCES. 7. ALL WELDING SHALL BE DONE BY C.W.B. LICENSED WELDERS. 	A. THE MECHANICAL CONTRACTOR IS TO PROVIDE ALL CONTROL WIRING REGARDLESS OF VOLTAGE. THIS INCLUDES ALL INTERLOCKS BETWEEN MAKE-UP AIR UNITS AND EXHAUST FANS; MOTORIZED DAMPERS AND FANS AND ALL OTHER INTERLOCKS BETWEEN MECHANICAL EQUIPMENT.	 18. POTABLE WATER VALVES A. NEW GATE VALVES 2-1/2"Ø AND LARGER SHALL BE MANUFACTURED BY WATTS (OR EQUAL). VALVES SHALL BE SUITABLE FOR USE IN POTABLE WATER SYSTEMS. VALVES 	- - D.
CONTRACTORS FOR REVIEW PRIOR TO ORDERING ANY EQUIPMENT. REPORT ANY DISCREPANCIES TO THE ENGINEER. 25. MATERIALS AND EQUIPMENT ARE SPECIFICALLY DESCRIBED FOR PURPOSE OF INDICATING STANDARDS OF QUALITY AND WORKMANSHIP. BASE TENDER PRICE ON MATERIALS AND EQUIPMENT SPECIFIED OR NAMED AS ACCEPTABLE	PLASTIC SHEETING UNTIL FINAL CONNECTIONS ARE MADE. REPAIR ANY DAMAGE CAUSED BY IMPROPER STORAGE, HANDLING OR INSTALLATION OF EQUIPMENT AND MATERIALS. 54. TEMPORARY FILTERS 25MM (1 IN.) SHALL BE PROVIDED AT ALL BASE BUILDING RETURN AIR OPENINGS WHICH REMAIN OPERATIONAL DURING	8. PROVIDE SPRINKLER HEADS AND PIPING AS REQUIRED IN ACCORDANCE WITH SPACE REQUIREMENTS AND SITE CONDITIONS TO OBTAIN THE NECESSARY APPROVALS FROM LOCAL AUTHORITIES.	B. CONTROL WIRING BELOW 50 VOLTS RELATED TO CONTROL SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH LATEST EDITION OF CSA C22.1, NATIONAL ELECTRICAL SAFETY CODE AND REQUIREMENTS OF ELECTRICAL SAFETY AUTHORITY.	SHALL BE PRESSURE RATED TO 200psi CWP AND HAVE FLANGED ENDS. VALVES SHALL HAVE NON-RISING STEM AND FULL PORT FLOW AND EPOXY COATED. B. NEW GATE VALVES 2"Ø AND SMALLER SHALL BE MANUFACTURED BY WATTS (OR EQUAL). VALVES SHALL BE SUITABLE FOR USE IN POTABLE WATER SYSTEMS VALVES SHALL BE	A.
ALTERNATE. IF ACCEPTABLE ALTERNATE PRODUCT IS PROPOSED, INDICATE REASON FOR CHANGE, SHOW SAVINGS AND CLEARLY INDICATE ALL AREAS WHERE ALTERNATE PRODUCT DOES NOT MEET SPECIFIED PRODUCT. IF ACCEPTABLE ALTERNATE MANUFACTURERS ARE NOT LISTED, BASE THE TENDER PRICE ON THE PRODUCT SPECIFIED.	CONSTRUCTION. FILTERS TO BE REPLACED WEEKLY. REMOVE UPON CONSTRUCTION COMPLETION. 55. BASE BUILDING HVAC COMPONENTS REMOVED I.E. LIGHT TROFFERS, DIFFUSERS VAV BOXES ETC. SHALL BE TURNED OVER TO THE	 9. MAINTAIN GENERALLY A GOOD APPEARANCE OF CEILING SYSTEMS. CO-ORDINATE LOCATIONS OF SPRINKLER HEADS WITH ALL DIFFUSERS AND LIGHTING FIXTURES AND LATEST ARCHITECTURAL REFLECTED CEILING PLANS AND FINISHES. 10. SUBMIT A SEPARATE PRICE FOR THE ADDITION/OR DELETION OF ONE(1) SPRINKLER HEAD 	C. ELECTRONIC MOTORIZED DAMPER ACTUATOR SHALL BE EQUAL TO BELIMO MANUFACTURER. ACTUATOR TO BE SIZED FOR TORQUE REQUIRED TO COMPLETELY SEAL DAMPER AT LOAD CONDITION. ACTUATOR TO BE RATED FOR APPLICATION. CONSULT WITH DAMPER MANUFACTURER. LINE SIDE POWER WIRING FOR LINE VOLTAGE ACTUATORS SHALL BE BY THE ELECTRICAL CONTRACTOR. FOR	MANUFACTURED OUT OF BRONZE AND BE PRESSURE TESTED TO 125psi WSP, 200psi WOG NON-SHOCK. VALVES SHALL HAVE NON-RISING STEM AND FULL PORT FLOW. C. FOR 2" AND SMALLER, BALL VALVES MAY BE PROVIDED AS SUBSTITUTE FOR GATE VALVES. PROVIDE BALL VALVES WITH BRASS OR BRONZE BOBY, CHROME PLATED SOLID	; В. - С.
26. DESIGN IS BASED ON DIMENSIONS AND PHYSICAL CONFIGURATION OF MANUFACTURER'S EQUIPMENT SPECIFIED. ASSUME FULL RESPONSIBILITY FOR ENSURING THAT PRODUCTS SUPPLIED BY AN ALTERNATE MANUFACTURER ARE EQUIVALENT IN PERFORMANCE AND OPERATING CHARACTERISTICS TO THE	COORDINATING AND MAINTAINING ALL TEMPORARY SERVICES INCLUDING GAS,	OF EACH TYPE SPECIFIED. ANY NUMBER OF HEADS MAY BE INCORPORATED AT THE UNIT PRICE DURING THE CONSTRUCTION PERIOD. 11. PROVIDE SPARE SPRINKLERS AS PER CODE REQUIREMENT.	ACTUATORS REQUIRING LOW VOLTAGE POWER THE ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING AND TERMINATED AT A JUNCTION BOX ADJACENT TO THE ACTUATOR. ALL LOW VOLTAGE WIRING AND TRANSFORMER SHALL BE BY THE MECHANICAL CONTRACTOR. D. MANUFACTURE AND INSTALLATION WHEN REQUIRED SHALL BE BY OWNER'S/LANDLORD'S	BALL, PTFE SEAT AND SEALS AND FULL PORT. D. STANDARD CHECK VALVES 2"ø AND SMALLER – SOLDERED 300 psi WOG 2-1/2" AND LARGER – FLANGED 200 psi WOG.	- D.
SPECIFIED PRODUCT. ASSUME FULL RESPONSIBILITY FOR ENSURING THAT THE SAME ACCESS AND MAINTENANCE SPACE IS ACHIEVED WHERE ALTERNATE PRODUCT IS PROVIDED. 27. ALTERNATE PRODUCTS/EQUIPMENT MAY BE PROPOSED PRIOR TO PROGRESS OF WORK PROVIDING THE QUALITY AND PERFORMANCE CHARACTERISTICS ARE	MECHANICAL CONSTRUCTION/INSTALLATION. DO NOT USE PERMANENT PLUMBING, HEATING, AIR CONDITIONING OR VENTILATION SYSTEMS FOR TEMPORARY SERVICES DURING CONSTRUCTION UNLESS WRITTEN PERMISSION IS PROVIDED BY THE ENGINEER.	 INFORM OWNER, OWNER'S INSURER AND AUTHORITIES HAVING JURISDICTION DURING SHUT DOWN OF THE FIRE PROTECTION SYSTEM. PROVIDE ADEQUATE TEMPORARY PROTECTION DURING THE SHUT DOWN PERIOD AS PER CODE REQUIREMENTS. MAINTAIN ALL SPRINKLER, STANDPIPE AND OTHER FIRE AND LIFE SAFETY PROTECTION 	APPROVED CONTRACTOR. E. NEW THERMOSTATS SHALL MATCH BASE BUILDING AND SHALL BE PROVIDED BY OWNER'S/LANLORD'S APPROVED CONTRACTOR. F. CONNECT ALL NEW AND RELOCATED EQUIPMENT TO EXISTING BUILDING	19. WHERE A BUILDING DRAIN OR A BRANCH MAY BE SUBJECT TO BACKFLOW, A BACKWATER VALVE SHALL BE INSTALLED ON EVERY FIXTURE DRAIN CONNECTED TO THEM WHEN THE FIXTURE IS LOCATED BELOW THE LEVEL OF THE ADJOINING STREET.	
EQUAL TO THE SPECIFIED PRODUCTS, AND SUBJECT TO THE APPROVAL OF THE PROPERLY SUBMITTED SHOP DRAWINGS TO THE ARCHITECT AND ENGINEER. 28. DURING PROGRESS OF WORK, SUBSTITUTE PRODUCTS/EQUIPMENT WILL ONLY	58. FOLLOWING COMPLETION OF ALL INSTALLATION WORK, BALANCING, TESTING AND COMMISSIONING THE MECHANICAL CONTRACTOR IS TO FULLY INSTRUCT THE OCCUPANT OR OWNER IN ALL ASPECTS OF THE OPERATION OF THE MECHANICAL SYSTEMS AND EQUIPMENT. THIS INCLUDES BUT NOT LIMITED TO THERMOSTAT PROGRAMMING, SUMP PUMP CONTROLS, TIME-CLOCKS ETC	SERVICES IN OPERATION AT ALL TIMES. 14. ALL SPRINKLER SYSTEM WORK IN THIS CONTRACT SHALL BE PERFORMED BY THE LANDLORD'S SPRINKLER CONTRACTOR AT THIS TENANT'S EXPENSE OR BY A SPRINKLER CONTRACTOR APPROVED BY THE LANDLORD.	AUTOMATION SYSTEM (BAS). BAS GRAPHICS SHALL BE UPDATED TO REFLECT NEW SPACES, ROOMS, THERMOSTATS/SENSORS AND EQUIPMENT. ALL BAS WORK SHALL BE CARRIED OUT BY OWNER'S/LANDLORD'S APPROVED CONTRACTOR.	20. ABOVE GROUND SANITARY DRAIN PIPING MATERIAL AND FITTINGS SHALL BE: A. PIPE SIZE 2-1/2" AND LESS: TYPE P-1 OR P-2. B. PIPE SIZE 3" AND GREATER: TYPE P-2 OR P-4.	_
BE CONSIDERED WHEN TENDERED PRODUCTS BECOME UNOBTAINABLE AND WRITTEN PROOF IS SUBMITTED. 29. ASSUME RESPONSIBILITY AND PAY FOR ANY ADDITIONAL INSTALLATION COSTS INCURRED BY ALL DIVISIONS RESULTING FROM THE ALTERNATES AND/OR SUBSTITUTIONS. MAKE REVISIONS TO RECORD DRAWINGS INCORPORATING ALL	59. OFFSHORE MANUFACTURED PRODUCTS ARE NOT ACCEPTABLE UNLESS WRITTEN PERMISSION IS PROVIDED BY ENGINEER. THIS INCLUDES ALL PIPING, FITTINGS, VALVES, SHEET METAL, HANGERS, AND FASTENERS.	15. CONTRACTOR TO INCLUDE IN BASE BID COST FOR SUPPLY AND INSTALLATION OF (6) NEW SPRINKLER HEADS C/W NEW DROP PIPING AND HANGERS. 16. CONTRACTOR TO INCLUDE IN BASE BID COST FOR RELOCATION OF (6) EXISTING SPRINKLER HEADS.	G. MOUNTING HEIGHT OF OCCUPANT ADJUSTABLE THERMOSTATS SHALL BE 1200MM [3 FT. 11 IN.] FROM FINISHED FLOOR. MOUNTING HEIGHT OF NON-ADJUSTABLE THERMOSTATS SHALL BE 1500 MM [5 FT. 0 IN.] FROM FINISHED FLOOR. COORDINATE LOCATION WITH ARCHITECT/DESIGNER. DO NOT INSTALL IN VICINITY OF ELECTRICAL LIGHTING DIMMERS.	A. PIPE SIZE 2-1/2" AND LESS: TYPE P-3 OR P-4. B. PIPE SIZE 3" AND GREATER: TYPE P-4. P-7, OR P-10.	_
ALTERNATES AND/OR SUBSTITUTIONS AND ALL RELATED CHANGES. 30. CONTRACTOR WILL PAY TO THE ARCHITECT AND ENGINEERS FOR THEIR TIME SPENT FOR REVIEW OF ALTERNATE EQUIPMENT EVEN IF SUCH EQUIPMENT IS NOT ACCEPTABLE.		17. CONTRACTOR TO PROVIDE UNIT COSTS FOR THE FOLLOWING: .1 SUPPLY AND INSTALL OF ONE (1) NEW PENDENT SPRINKLER HEAD.	SUBMIT REPORT THAT THIS WORK WAS COMPLETED. I. INSTALL ALL EXPOSED WIRING WITHIN EMT CONDUIT, C/W ALL NECESSARY FITTINGS AND	 22. ABOVE GROUND VENT PIPING MATERIAL AND FITTINGS SHALL BE: A. PIPE SIZE 2-1/2" AND LESS: TYPE P-1 OR P-2. B. PIPE SIZE 3" AND GREATER: TYPE P-2 OR P-4. 	_
31. WHERE MATERIALS AND EQUIPMENT ARE SUPPLIED BY OTHERS FOR INSTALLATION BY THIS CONTRACTOR, RECEIVE, UNLOAD, HANDLE, STORE, AND PROTECT MATERIALS AND EQUIPMENT UNTIL READY FOR ACTUAL INSTALLATION. UPON RECEIPT OF MATERIALS CHECK THE ENTIRE SHIPMENT AND PROMPTLY ADVISE THE CONSULTANT IN WRITING OF ANY DAMAGE		.2 SUPPLY AND INSTALL OF ONE (1) NEW UPRIGHT SPRINKLER HEAD. .3 RELOCATION OF ONE (1) EXISTING SPRINKLER HEAD.	PROVIDE POWER TO CONTROL PANEL FROM THE NEAREST NORMAL POWER ELECTRICAL DISTRIBUTION PANEL.	 23. UNDERGROUND VENT PIPING MATERIAL AND FITTINGS SHALL BE: A. PIPE SIZE 2-1/2" AND LESS: TYPE P-4, P-7 OR P-8. B. PIPE SIZE 3" AND GREATER: TYPE P-4. P-7, OR P-10. 	-
AND/OR MISSING COMPONENTS. ANY MATERIAL WHICH IS SUBSEQUENTLY LOST OR DAMAGED DUE TO THIS CONTRACTOR'S NEGLIGENCE IS TO BE PROMPTLY REPLACED OR REPAIRED TO THE CONSULTANT'S SATISFACTION AT NO ADDITIONAL COST. INCLUDE FOR ONE YEAR WARRANTY ON RELATED		.4 RELOCATION OF ONE (1) EXISTING FIRE HOSE CABINET TO A MAXIMUM OF 20 FEET. .5 SUPPLY AND INSTALL OF ONE (1) NEW FIRE HOSE CABINET C/W 75 FOOT HOSE, 5 LBS. ABC FIRE EXTINGUISHER.		 24. ABOVE GROUND DOMESTIC HOT, COLD AND RECIRCULATION PIPING MATERIAL AND FITTINGS SHALL BE: A. PIPE SIZE 2-1/2" AND LESS: TYPE P-8. B. PIPE SIZE 3" AND GREATER: TYPE P-8. 	-
LABOUR. 32. DRAWINGS INDICATE DESIGN INTENT ONLY AND ARE TO BE CONSIDERED DIAGRAMMATIC INTENDED TO CONVEY SCOPE OF WORK AND INDICATE GENERAL ARRANGEMENT AND APPROXIMATE LOCATIONS OF EQUIPMENT AND ROUTES OF PIPES AND DUCTS. DRAWINGS DO NOT SHOW ARCHITECTURAL		.6 PER FOOT COST FOR SUPPLY AND INSTALL OF NEW 3" FIRE LINE. .7 SUPPLY AND INSTALL OF ONE (1) NEW 5 LBS. ABC FIRE EXTINGUISHER C/W WALL MOUNTING BRACKET.		 A. PIPE SIZE 2-1/2" AND LESS: TYPE P-6. 	
AND STRUCTURAL DETAILS. 33. DO NOT SCALE DRAWINGS. OBTAIN INFORMATION INVOLVING ACCURATE MEASUREMENTS OF BUILDING FROM ARCHITECTURAL AND STRUCTURAL DRAWINGS OR AT THE SITE. MAKE NECESSARY CHANGES TO ACCOMMODATE STRUCTURAL CONDITIONS WITHOUT ADDITIONAL CHARGE.		FIRE EXTINGUISHER 1. PROVIDE AS REQUIRED, NATIONAL FIRE EQUIPMENT LTD., DIAMOND FIRE EXTINGUISHER MODEL ABC-050WWD 5LB MULTI-PURPOSE DRY CHEMICAL EXTINGUISHERS C/W WALL		 B. PIPE SIZE 3" AND GREATER: TYPE P-9. 26. ABOVE GROUND STORM DRAIN PIPING MATERIAL AND FITTINGS SHALL BE: A. PIPE SIZE 2-1/2" AND LESS: N/A 	
 34. CONTRACTOR IS TO PREPARE A SCHEDULE OF VALUES AND SUBMIT TO CONSULTANT TEAM FOR REVIEW AND ADJUSTMENT PRIOR TO FIRST APPLICATION FOR PAYMENT. SCHEDULE OF VALUES MUST INCLUDE, AMONG OTHER ITEMS, VALUE ASSIGNED TO CLOSE-OUT DOCUMENTS (AS-BUILT 		MODEL ABC-USUWWD SLB MULII-PURPOSE DRY CHEMICAL EXTINGUISHERS C/W WALL HOOK.		 B. PIPE SIZE 3" AND GREATER: TYPE P-4. 27. UNDERGROUND STORM DRAIN PIPING MATERIAL AND FITTINGS SHALL BE: A. PIPE SIZE 2-1/2" AND LESS: N/A 	
DRAWINGS, WARRANTIES, MAINTENANCE MANUALS, ETC). THE AGREED UPON SCHEDULE OF VALUES WILL FORM THE BASIS FOR FACTORING PERCENTAGE OF WORK COMPLETED INTO CERTIFICATES FOR PAYMENT.				A. PIPE SIZE 2-1/2 AND LESS: N/A B. PIPE SIZE 3" AND GREATER: TYPE P-4 OR P-7. 28. PIPING MATERIAL AND FITTINGS	-

CSA BIBI2 AND WHEN USED IN NONCOMBUSTIBLE CONSTRUCTION, HICH BUILDINGS AND AIR PLENUKS, HEY SHALL BE TSETED AN OCRONANCE WITH AVAIL STREAD RATING NOT MORE THAN 25 AND A SMOKE DEPLOPED CLASSIFICATION NOT EXCEEDING 50. 3 TYPE L COPPER WITH 95/5 TIN/ANTIMONY SOLDER JOINTS. 4 CSA CLASS 4000 CAST IRON SOL PIPE AND FITTINGS, WITH MECHANICAL JOINTS. 5 TYPE L'HARD COPPER WITH SOLDERED WROUGHT COPPER FITTINGS, USE 95/5 TIV/ANTIMONY SOLDER JOINTS. 6 PURELINK PEX PIPING MANUFACTURED TO ASTIN F-876/F-877 & CSA BI37.5 AND LISTED BY CSA, MANU DES, ICC, NSF61 AND ULC-SIO1-M99 FOR USE WITH POTABLE WATER SYSTEMS. PIPING SHALL BE RATE OPER CONTINUOUS USE AT 100 PISI AND TEMPERATURE RATING UP TO 1807F. 7 IPEX RING-TITE PVC SDR 35 SEWER PIPE AND SHALL BE IN COMPLIANCE WITH ASTIN DOAG OR ASTIN F1760 AND THARD PARTY CERTIFIED TO CSA BI82.7 OR CSA BI32.7 SIMER LIFERAS WILL BE PARTE PIPE AND SHALL BE IN COMPLIANCE WITH ASTIN DOAG OR ASTIN F1760 AND THARD PARTY CERTIFIED TO CSA BI82.7 OR CSA BI32.7 SIMER LIFERAS WILL BE PARTE DITO CSA BIB2.2 OR CSA BI32.7 SIMER LIFERAS WILL BE PARTE DITO CSA BIB2.2 OR CSA BI32.7 SIMER LIFERAS WILL BE PARTE DITO CSA BIB2.2 OR CSA BI32.7 SIMER LIFERAS WILL BE PARTE DITO CSA BIB2.2 OR CSA BI32.7 SIMER LIFERAS WILL BE PARTE DITO CSA BIB2.2 OR CSA BI32.7 SIMER LIFERAS WILL BE PARTE DITO CSA BIB2.2 OR CSA BI32.7 SIMER LIFERAS WILL BE PARTE CERTIFIED TO CSA BIB2.2 OR CSA BI32.7 SIMER LIFERAS WILL BE PARTE DITO SHALL ASD MEET THE APPROPRIATE ASTIM AND CSA STANDARDS. 8 TYPE L HARD COPPER PIPE WITH WROUGHT COPPER FITTINGS AND 95/5 TIN/ANTIMONY SOLDER JOINTS. 9 TYPE K SOFT COPPER PIPING WITHOUT JOINTS BELOW GROUND. 5 TYPE K SOFT COPPER PIPING WITHOUT JOINTS BELOW GROUND.						
			Γ		-11/ <i>K</i> /	
	AIR PLENUMS, THEY SHALL BE TESTED AND LISTED IN ACCORDANCE WITH CAN/ULC S102.2 AND CLEARLY MARKED WITH THE CERTIFICATION LOGO INDICATING A FLAME SPREAD RATING NOT MORE THAN 25 AND A SMOKE DEVELOPED CLASSIFICATION NOT					
	-3 TYPE L COPPER WITH 95/5 TIN/ANTIMONY SOLDER JOINTS.				\square	
	-4 CSA CLASS 4000 CAST IRON SOIL PIPE AND FITTINGS, WITH MECHANICAL JOINTS.		_ I_			
Add program way and program and provide and provi	THOROUGHLY REAMED AND CLEANED. REMOVE EXCESS SOLDER FLUX. ALL PIPING MUST		L			
 Beer on sets inter we have here the product of the set of	WATER SYSTEMS. PIPING SHALL BE RATED FOR CONTINUOUS USE AT 100 PSI AND		В	E		NETT
	SEWER LATERALS WILL BE PVC SRD 28 SEWER PIPE AND SHALL BE THIRD PARTY CERTIFIED BY CSA AS ABOVE. SEALING GASKETS AT JOINTS MUST MEET THE REQUIREMENTS OF ASTM D3034 OR ASTM 1760, CSA B182.2 OR CSA B182.7 AND MUST BE ABLE TO WITHSTAND A MINIMUM HYDROSTATIC PRESSURE OF 345 kPa (50 psi) WITHOUT LEAKAGE. PIPE STIFFNESS AND FITTINGS SHALL ALSO MEET THE APPROPRIATE		1 0 UxI Te	Do Drid 1.9	o u g ge, C 05.	las Road DN. L9P 1S9 852 . 4617
	SOLDER JOINTS.					
	-10 ROYAL PIPE SYSTEMS ABS-DWV PIPE SCHEDULE 40. CERTIFIED TO CSA B181.1.	CA	NNOT BE REPRO	DUCED	WITHOUT W	VRITTEN PERMISSION.
Private Add Install Install, Case Preve In Complexing with ALL BROWRING of APPCORT ALL BUTCHER, LINKING THE DUILTON. THE LITES MERIDIANS of Private Add Installe Installe Duilton of Case Preve. Sales Preve Data Market Linking and Sales Preve Data Book Linking Commentation to Super Add Installe Durated Book Case Preve Add Installe Add Installe Add Installe Add Installe Add Installe Durated Book Case Preve Add Installe Durated Book Preve Add Installe Durated Book Case Preve Add Installe Durated Book Preve Add Installe Durated	ABS COMPOUND MEETING CELL CLASSIFICATION REQUIREMENTS OF 42221 AS DEFINED BY ASTM D 3965. ABS PIPING, TUBING AND ASSOCIATED ADHESIVES ARE PERMITTED TO BE USED IN A BUILDING REQUIRED TO BE OF NONCOMBUSTIBLE CONSTRUCTION PROVIDED THEY ARE CONCEALED IN A WALL OR CONCRETE FLOOR	AN PRC	Y DISCREPANC	es to be I the WC	NNETT DESI RK.	
Provide and sexual the fuel to be prevent to compare the top and the fuel top and the fuel top and the fuel top and the fuel top and top an		,	L.	M		
Sind Previo To Edit REFAULD IN USERT SAVAG THEN APPLICABLE. In the Column C	APPLICABLE SECTIONS OF CSA CODE B149 SPECIFICATION, THE LATEST AMENDMENTS, THE C.G.A. UTILIZATION CODE, AND OBTAIN APPROVAL FROM THE LOCAL GAS UTILITY'S AUTHORITY PRIOR TO THE INSTALLATION OF GAS PIPING.				634 Ma	South Unionville Ave., Irkham ON L3R 8V1
PREC OF DEURHART NO A FLACH CAPPE CONNECTION. SAS PRIPS OR NOT SHALL BE STANAED OR CUPPED ON THE OR 4" X 4" X 12" RED CEMAR LINE NOTETHER IN DOUBLAS IT NO LESS TAN IS 4-0" CEMARKE END NE ROST DE CAMPENDE OR CUPPED DI THE DIA THE ANAL COLE THE BLOCK SHALLE PROST DE CAMPENDE NOT DE CAMPENDE OR CUPPED DIA THE ANAL COLE THE BLOCK SHALLE PROST DE CAMPENDE DIA COLLEGE THAN IS 4-0" SHALL END NOTETHER IN DOUBLAS IT NO LESS TAN IS 4-0" SHALL END NOTETHER IN DOUBLAS AND VEIGHT MALEARE FOR SORRED FITTINGS OF INFL COAL CAPPENDE TO SATURE COLLEGE THE DUB COOKS WITH ALL RELEVANT CONSULTANT IN CONCERNMENT TO LER PLANE. CONSERVICED, OFFICIA COMPANY IN THE LIBERATE PLUE COLS SHALL PROVEMENT IN CONCERNANCE IN THE MARKET RELEVANT TO HERE LIBER COLS SHALL PROVEMENT IN CONCERNMENT IN ACCORDANCE WITH CAMPENDE TO LEW PROVED SHALL BE LIBERS AND CONSERVICED, OFFICIA COMPANY IN THE MARKET OF DUB PROVED SHALL BE LIBERS AND CONSERVICED, OFFICIA CONCERNMENT IN CAMPENDE AND ELEVES AND PROVEMENT IN ACCORDANCE WITH CAMPENDE AND ENDERSING PROVEMENT IN ACCORDANCE WITH CAMPENDE AND ENDERSING PROVEMENT IN ACCORDANCE WITH CAMPENDE AND ENDERSING PROVEMENT AND PROVIDED SHALL BE PROVIDED AS FER INSTRUCTIONS. PROVEMENT AND AND ALL RELEVANCE ON DERRIFICIANT PROVIDE PROVEMENT AND AND ALL RELEVANCE OF AND PROVIDE PROVIDE DESTINGATION AND PROVIDE AND ALL RELEVANCE ON DERRIFICATION INFORMATION AND PROVIDE PROVIDE DESTINGATION AND PROVIDED AND ALL RELEVANCE AND PROVINE PRESUSTEME REDUATORS SHALL BE PROVIDED AND ALL RELEVANCE A	GAS PIPING TO BE INSTALLED IN JOIST SPACE WHEN APPLICABLE.	_	ELYSI			
CEDAR ALLE TOZENER ON DOUGLAS FR BLOCKS AT NO LESS THAN 45-0° CALMANGE FOR MER ROY EDGS (MER ROY DEGS TO KAMP HI H44) LOGE. HE BLOC SCHAMGE FOR MER ROY EDGS (MER ROY DEGS TO KAMP HI H44) LOGE. HE BLOC SHALL FEMIL FASY LATERA LPRE SUPPAGE. THE CALMARZED SOLO STIMPS OF CALPS SHALL FEMIL FASY LATERA LPRE SUPPAGE. THE CALVARAED SOLO STIMPS OF CALPS SHALL FEMIL FASY LATERA LPRE SUPPAGE. THE CALVARAED SOLO STIMPS OF CALPS SHALL FEMIL FASY LATERA LPRE SUPPAGE. THE CALVARAED SOLO STIMPS OF CALPS SHALL FEMIL FASY LATERA LPRE SUPPAGE. THE CALVARAED SOLO STIMPS OF CALPS SHALL FEMIL FASY LATERA LPRE SUPPAGE. THE CALVARAED SOLO SOLE STILL FOR FOLLOWING MELDID FITTING SOLEMENT FOR ALLE ALL SPENS TANGO SOLE METHINGS OF MELDID FITTING SOLEMENT FOR ALL LPRE SUPPAGE. THE CALVARAED SOLE SOLE SOLE STILL PERS AND WITH LIKES. KELL AD FROTECT IN ACCORDANCE WITH AN ERCOURSENT CORRECT TO ECUMMENT IN ACCORDANCE WITH AN ERCOURSENT SUPPAGE CALABANCES TO MANUFACTOR FLUC SOLES WITH ALL RELEVANT CONSULTANT FOR ALLED AT HUGH LPRE IN STRUCTIONS. SLORE FORME DISTINCTION OF LOB TO HAVE AN AD FROTECT IN ACCORDANCE WITH CAN BER CALCURATED SOLE SUPPAGE CALABANCES TO MANUFACTOR FLUC SOLES WITH ALL RELEVANT CONSULTANT FOR ALLED AT HUGH LPRE IN STRUCTIONS. SLORE FORME DISTINCTION OF LOB TO HAVE AN AD FROTECTS IN STRUCTIONS. SLORE FORME DISTINCTION OF LOB TO HAVE AN AD FROTECTS IN STRUCTIONS. SLORE FORME COLLANDES FOR ALL RES FORMER AS PER GAS CODE (CAL/CAS-B14A), NON ON LIMITED TO THAT SHOWN ON PLANS. PROVED EXPANSION RECULATORS (MRW) MERE NOTED ON DRAWINGS AND WHERE RECULARDS SAUL BE FROMED AS PER MURPHA CAS AND PROFINE INSTALLING CODE B14.1-15 PRESSURE RECULARDS SAUL BE CODED SAULT BLOCK SAULT BE FROMED AS PER CAS TORD MATER TO RESSURE RECULARDES AND AD STRUME PRESSURES TO APPLIANCE OFFENDING PRESSURE RECULARDES SAULT BE CASH ROY FOR THE MERE SUBJER RECULARDES SAULT BE CASH ROY FOR AND AD STRUME MERE RECULARDS SAULT BE ROWCED AS PER MURPHA CAS AND PROFINE INSTALLING CODES B14, LE CASH RECULARDS SAULT BE CASH ROY FOR THE MERE AT THE PRESSURE RECULARD	PIECE OF EQUIPMENT AND AT EACH CAPPED CONNECTION.					
PROVIDE AND INSTALL FOR NATURAL GAS PERING STANDARD WEIGHT BLACK STELL PIPE (SOFTURLE - AND WITE THE STANDARD WEIGHT ALLOCADERALE IRON SOFTWOTTINGS ON WELDED FITTINGS ACCORDING TO THE SIZE AND LOCATION. WITE HEREARE PLUE GOOKS WITH PERS AND WITE LINES. Yeth AND PRICTICE IN ACCORDANCE WITH THE READ ALL CONCEALED PERS AND WITE LINES. Yeth AND PRICTICE IN ACCORDANCE WITH THE READ ALL CONCEALED PERS AND WITE LINES. Yeth AND PRICTICE IN ACCORDANCE WITH THE READ. IN DISK TANDARD IN DISK TO THIS PERSON. INDRODOR GOS PIPING IS TO BE WITH DURPOSE MADE SLEEVES AND CONCES. CORRECT TO EQUIPMENT IN ACCORDANCE WITH AND/ACTURER'S INSTRUCTIONS. SLOPE PIPING DOWN IN DIRECTION OF FLOW TO LOW FOINTS. PROVIDE ELEVANDON MONTS. MOLICOPS FORM ALL GES PIPING AS PER FLOW FORMS. PROVE ELEVANDON MONTS. MOLICOPS FORM ALL GES PIPING AS PER FLOW FORMS. PROVIDE ELEVANDON MONTS. MOLICOPS FANDE SHOULD CONCEASE. PROVIDE ELEVANDON MONTS. MOLICOPS FORM ALL GES PIPING AS PER GAS CODE (CAN/CSA-F149.1) AND MOT HANTE SHOWN ON PLANS. PROVIDE ELEVANDON MONTS. MOLICOPS FORM ALL GES PIPING AS PER FLOW FORMANCE MILLION CONCEASE. RESSURE REQULATORS SHALL BE FORMEDID AS PER NATURAL GAS AND PROFAME INSTALLION CONCEASE. RESSURE REQULATORS SHALL BE FORMODID AS PER NATURAL GAS AND PROFAME INSTALLION CONCESS. RESSURE REQULATORS SHALL BE FORMODID AS PER NATURAL GAS AND PROFAME INSTALLION CONCESS. RESSURE REQULATORS SHALL BE FORMODID AS PER NATURAL GAS AND PROFAME INSTALLION CONCESS. RESSURE REQULATORS SHALL BE FORMED AND PROFAME INSTALLING CONCERNEL WITH MULLIONS SHALL BE FORMED TAKES AND DISCOME AND SHALL BE FORMED AND READ FLOWES	CEDAR NAILED TOGETHER ON DOUGLAS FIR BLOCKS AT NO LESS THAN 6'-0" CLEARANCE FROM THE ROOF EDGE IN ORDER TO COMPLY WITH B.149.1 CODE. THE BLOCK SHALL BE TREATED WITH COAL TAR CREOSOTE. THE GALVANIZED SOLID STRIPS OR CLIPS	PROP ACC MUST	ERTY OF ELYSIU EPT RESPONSIBIL NOTIFY ELYSIUN	M ENGIN LITY FOR . 1/ ENGINE	EERING INC ALL DIMENS ERING INC	C. THE CONTRACTOR MUST VERIFY AND SIONS AND CONDITIONS ON SITE AND C. OF ANY VARIATIONS FROM THE
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THE ENTIRE PIPING OR TUBING SYSTEM SHALL BE PAINTED YELLOW; 03 24-08-16 R.R. ISSUED FOR TENDER THE PIPING OR TUBING SYSTEM SHALL BE PROVIDED WITH YELLOW BANDING THAT HAS A MINIMUM WIDTH OF 1" (25mm); OR 02 24-08-12 R.R. ISSUED FOR PERMIT 01 24-08-08 R.R. ISSUED FOR 90% REVIEW 08 VHEN IDENTIFIED IN ACCORDANCE WITH ITEM B) OR C), THE IDENTIFICATION INTERVALS 01 24-08-08 R.R. ISSUED FOR 90% REVIEW	OF REGULATORS AND A LINE RELIEF DEVICE OR AN OVERPRESSURE PROTECTION DEVICE.					
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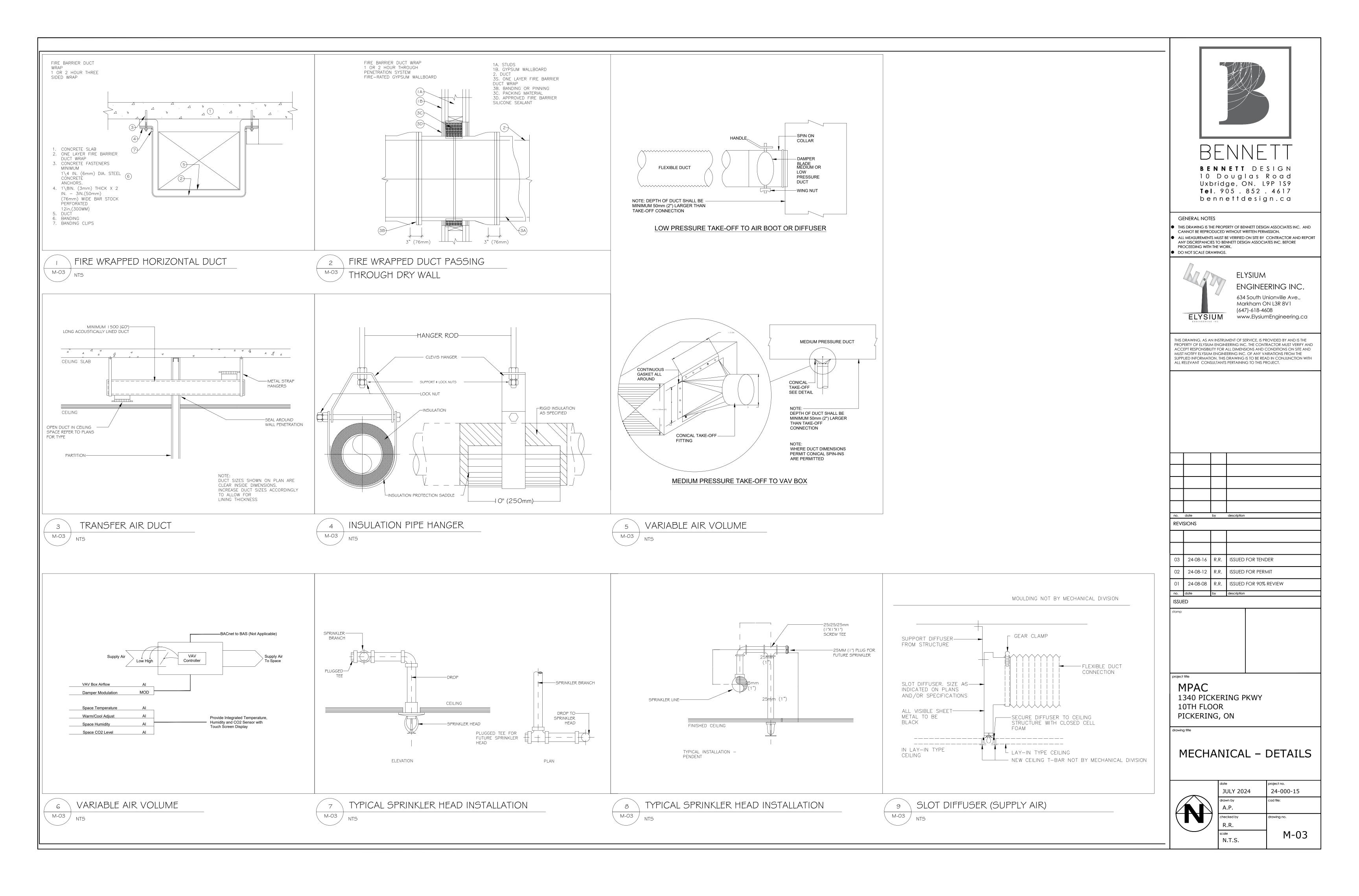
P-1: DWV COPPER PIPE WITH DRAINAGE FITTINGS AND 95/5 TIN/ANTIMONY SOLDER JOINTS

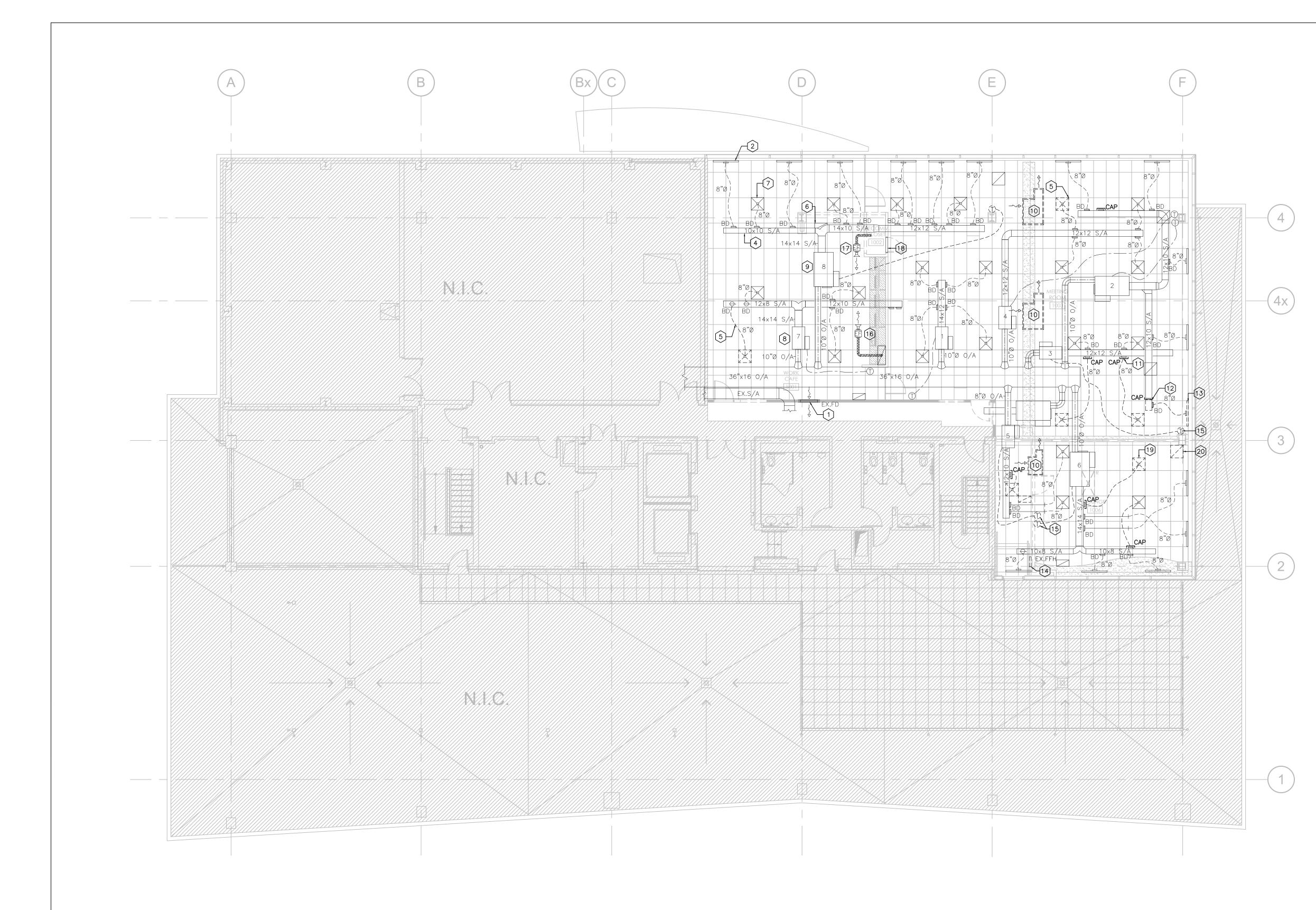
MECHANICAL SPECIFICATIONS



	LEGEND - I	MECHAN	ICAL		MECHANICAL DRAWING LIST	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	DRAWING NO.	DESCRIPTION	SCALE
FE	EXISTING FIRE EXTINGUISHER		DUCTWORK CONTINUATION	M-00	COVER PAGE	N.T.S.
CAP	DUCTWORK CAP		FLEXIBLE ROUND DUCTOWRK	M-01	SPECIFICATION	N.T.S.
	SUPPLY AIR DIFFUSER		DEMOLITION	M-02	MECHANICAL - LEGEND, DRAWING LIST	N.T.S.
	RETURN AIR GRILLE	• • •	NEW PENDANT SPRINKLER HEAD	M-03	MECHANICAL – DETAILS	N.T.S.
EF	EXISTING WASHROOM EXHAUST FAN	€ _R	EXISTING PENDANT SPRINKLER TO BE RELOCATED	M-04	MECHANICAL – HVAC DEMO FLOOR PLAN	1/8"=1'-0"
EF	NEW EXHAUST FAN	•	EXISTING PENDANT SPRINKLER HEAD	M-05	MECHANICAL – HVAC NEW FLOOR PLAN	1/8"=1'-0"
	TRANSFER AIR WALL GRILLE	C.T.E.	CONNECT TO EXISTING	M-06	MECHANICAL – FIRE PROTECTION NEW FLOOR PLAN	1/8"=1'-0"
	DUCTWORK TERMINATION		A - VAV BOX SIZE			
BD 🚍	HORIZONTAL SPIN-OFF WITH BALANCING DAMPER	- A MAX MIN	MAX - MAXIMUM AIRFLOW DAMPER SETTING MIN - MINIMUM AIRFLOW DAMPER SETTING			
	EXISTING THERMOSTAT	_~~>	AIRFLOW	_		
	NEW/RELOCATED THERMOSTAT	2	DRAWING KEY NOTE	-		
· ·	PENDANT SPRINKLER HEAD		CONTROL WIRING	_		
EX.SA	EXISTING SUPPLY AIR DUCTWORK		NEW DIFFUSER TAG	_		
EX.WE		A-BB/BB XXX CFM (TYP OF #)	A - AIR TERMINAL TAG BB - DIFFUSER DIMENSIONS			
			XXX - AIRFLOW BALANCE	_		
EX.RA	EXISTING RETURN AIR DUCTWORK	-	AIRFLOW REBALANCE	_		
	NEW SUPPLY AIR DUCTWORK		ACOUSTICALLY LINED TRANSFER AIR DUCT YY - DIMENSIONS			
	EXISTING VAV BOX			_		
EX. A/C	EXISTING SPLIT A/C UNIT		SIDE WALL EXHAUST FAN			
₩	EXISTING ELECTRIC DUCT HEATER			_		
-EX.P(SAN)-	EXISTING PUMPED SANITARY LINE		CEILING HUNG IN-LINE WASHROOM EXHAUST FAN			
	EXISTING DOMESTIC COLD WATER			_		
SAN	EXISTING SANITARY LINE		SUPPLY DUCT UP OR FROM ABOVE	_		
	- GAS LINE		SUPPLY DUCT DOWN OR FROM BELOW			
	NEW DOMESTIC COLD WATER		RETURN OR EXHAUST DUCT UP OR FROM ABOVE			
	NEW DOMESTIC HOT WATER		RETURN OR EXHAUST DUCT DOWN OR FROM BELOW			
SAN	- NEW SANITARY LINE		ROUND DUCT UP OR FROM ABOVE			
col—	HORIZONTAL CLEANOUT	$\square $	ROUND DUCT DOWN OR FROM BELOW			
co d—	UPTURNED CLEANOUT		ACOUSTIC LINED DUCT			
<u> </u>	P-TRAP		RADIUS ELBOW WITH TURNING VANES			
	ISOLATION VALVE	(ccc	SQUARE ELBOW DUCT WITH TURNING VANES	-		
	CHECK VALVE		AUTOMATIC SHUT-OFF VALVE / SOLENOID VALVE	-		
-&	3-WAY VALVE (MIXING OR DIVERTING)		UNION COUPLING	-		
	PRESSURE REDUCING VALVE		PIPE CONTINUATION	-		
	BALANCING VALVE	_&	PRESSURE REGULATING VALVE	-		
	PRESSURE REDUCING VALVE ASSEMBLY	\$	SWITCH	-		
	ACOUSTICALLY LINED CEILING TRANSFER AIR DUCT		CEILING FAN	_		
	TOP/BOTTOM SPIN-OFF WITH BALANCING DAMPER		ROUND CONE DIFFUSER	_		
				_		
	FAN POWERED BOX (FPB)					

BENNETT Designation Designation BENNETT Designation Douglas Road Uxbridge, ON. L9P 159 Tel. 905. 852. 4617 bennettdesign.ca							
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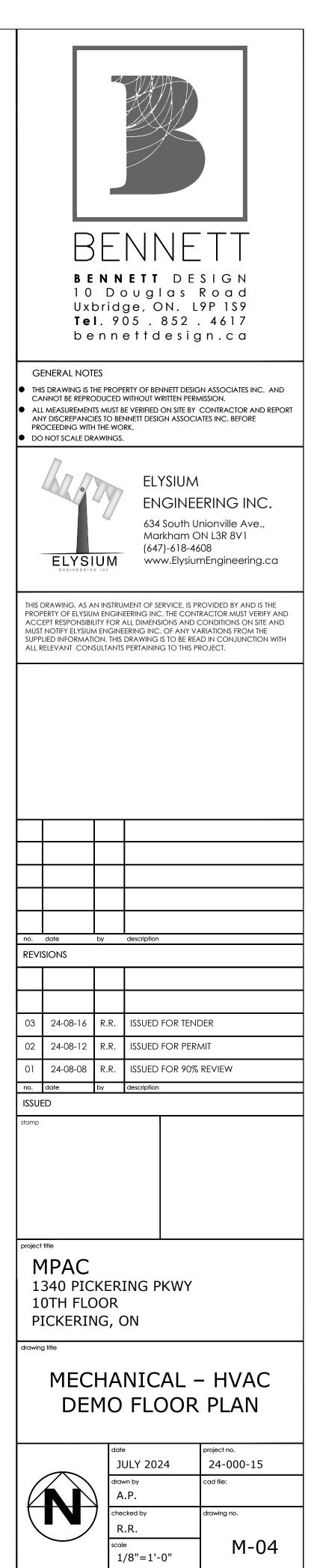


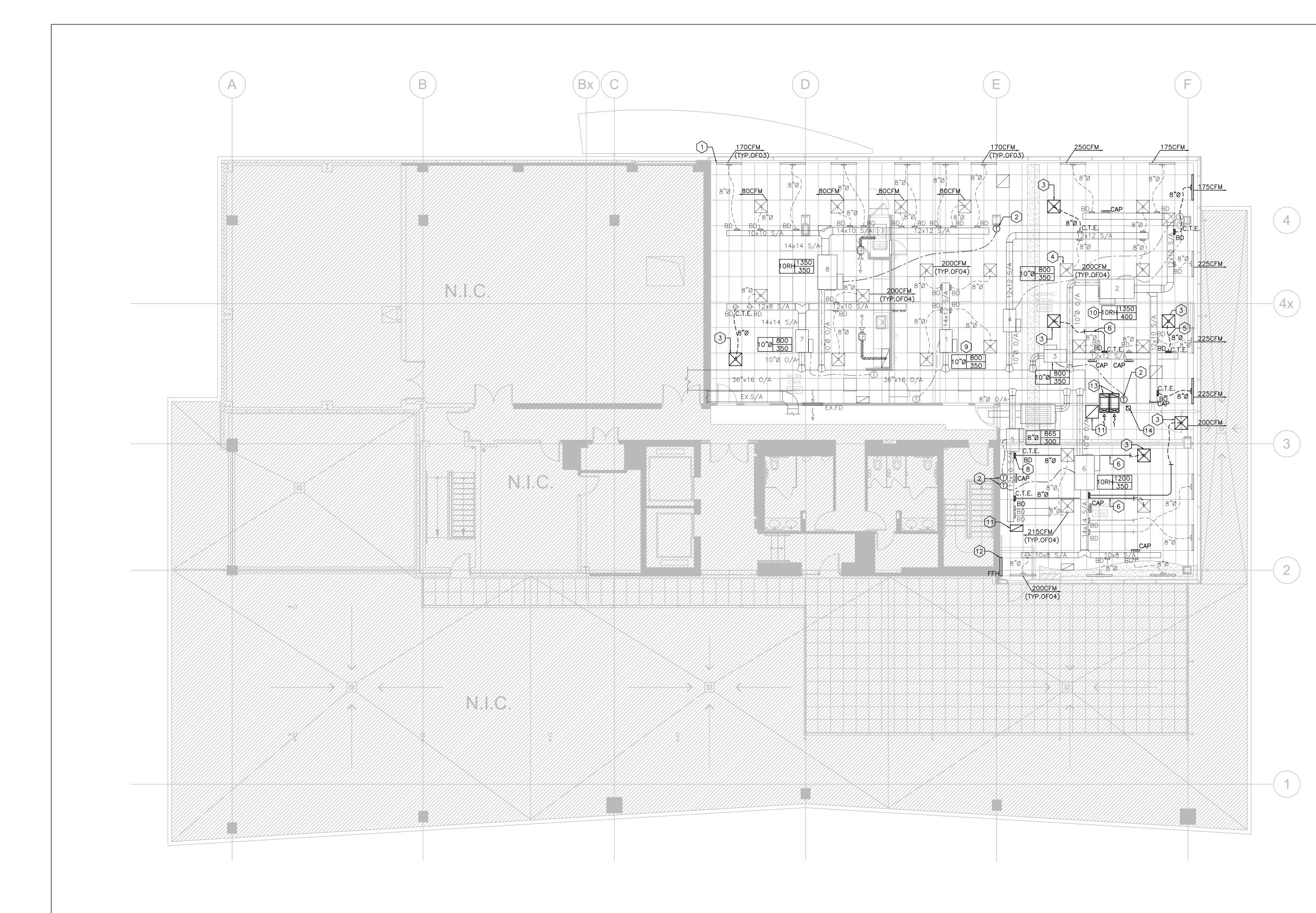


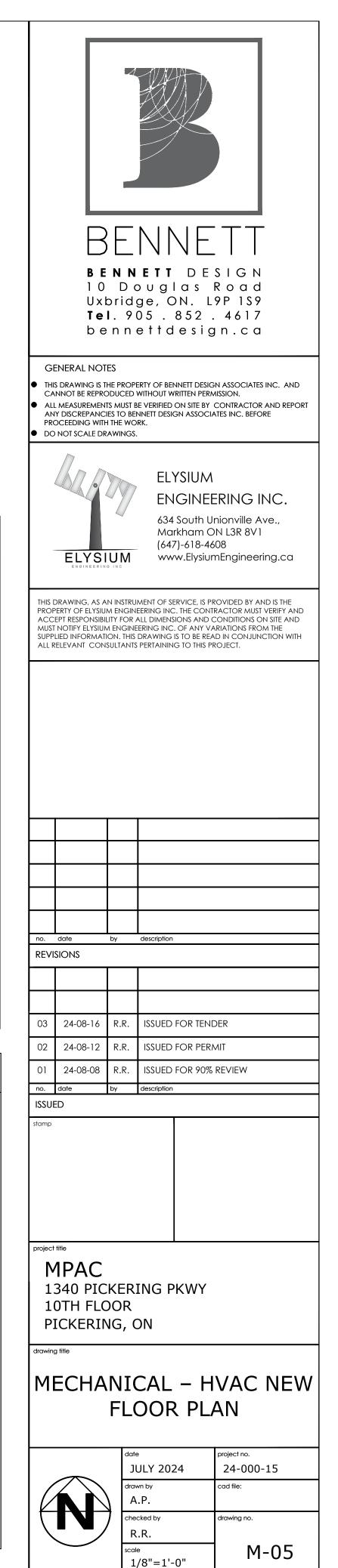


1 EXISTING RETURN AIR TRANSFER GRILLE C/W FIRE DAMPER SERVING AIRFLOW BACK TO COMPARTMENT UNIT TO REMAIN. (2) EXISTING LINEAR SLOT DIFFUSERS SERVING PERIMITER TO

- REMAIN (TYPICAL).
- 3 EXISTING THERMOSTAT AND ASSOCIATED CONTROL WIRING SERVING EXISTING VAV BOX TO REMAIN (TYPICAL).
- (4) EXISTING SUPPLY DUCTWORK IN CEILING SPACE TO REMAIN (TYPICAL).
- (5) REMOVE EXISTING SQUARE CONE DIFFUSER AND DISCARD EXISTING FLEX DUCTWORK AND PREP FOR NEW LOCATION.
- (6) EXISTING EGG-CRATE RETURN GRILLE TO REMAIN (TYPICAL).
- (7) EXISTING SQUARE CONE DIFFUSER TO REMAIN (TYPICAL).
- 8 EXISTING VAV BOX TO REMAIN IN CEILING SPACE AND
- ASSOCIATED INLET & DISCHARGE DUCTOWRK TO REMAIN
- (TYPICAL). (TYPICAL). EXISTING FAN POWERED BOX (FPB) TO REMAIN IN CEILING SPACE AND ASSOCIATED INLET & DISCHARGE DUCTOWRK TO REMAIN (TYPICAL).
- (10) REMOVE AND DISCARD EXISTING TRANSFER AIR DUCT IN CEILING SPACE (TYPICAL OF 3).
- (11) REMOVE & DISCARD EXISTING FLEX DUCTWORK AS SHOWN,
- CAP AND SEAL SPIN-OFF AIR TIGHT (TYP. OF 5). (12) REMOVE & DISCARD EXISTING RIGID DUCTWORK AS SHOWN, CAP AND SEAL DUCTWORK AIR TIGHT.
- (13) REMOVE EXISTING LINEAR SLOT DIFFUSER AND PREP FOR RELCATION AS SHOWN ON NEW FLOOR PLAN. DISCARD EXISTING RIGID DUCTWORK.
- (14) REMOVE EXISTING ELECTRIC FORCED FLOW HEATER (EX.FFH) AND PREP FOR RELOCATION AS SHOWN ON NEW FLOOR PLAN.
- [15] REMOVE EXISTING THERMOSTAT AND PREP CONTROL WIRING FOR RELOCATION SHOWN AS NEW ON NEW FLOOR PLAN (TYP. OF 4).
- [16] EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK SERVING TELECOMMUNICATIONS CLOSET TO REMAIN.
- [17] EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK SERVING CAFE REMAIN.
- (18) EXISTING DOOR GRILLE SERVING TELECOMMUNICATIONS
- CLOSET TO REMAIN.
- (19) REMOVE EXISTING SQUARE CONE DIFFUSER AND PREP FOR RELOCATION AS SHOWN ON NEW FLOOR PLAN. DISCARD EXISTING FLEX DUCTWORK CONNECTION. (TYP. OF 4) 20 REMOVE EXISTING EGG-CRATE RETURN AIR GRILLE AND PREP FOR RELCATION AS SHOWN ON NEW FLOOR PLAN.
 - HVAC GENERAL NOTES
- WORK SHALL CONFORM TO O.B.C. AND ALL APPLICABLE LOCAL AND NATIONAL CODES & STANDARDS.
- 2. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN DOCUMENTATION.
- 3. PROVIDE MECHANICAL EQUIPMENT THAT IS LISTED AND
- LABELED BY UNDERWRITERS LABORATORIES (U.L.). 4. CONTRACTOR TO VERY SITE CONDITIONS AND REPORT ANY DISCREPANCIES PRIOR TO WORK. FAILURE TO VERIFY AND REPORT SHALL CONSTITUTE CONTRACTOR'S ACCEPTANCE OF EXISTING CONDITIONS AS FIT FOR THE PROPER EXECUTION OF WORK.
- 5. CONTRACTOR TO VERY SITE CONDITIONS AND REPORT ANY DISCREPANCIES PRIOR TO WORK.
- 5. INSTALL EQUIPMENT AS INDICATED, ALLOWING FOR SUFFICIENT ACCESS AND CLEARANCE SPACE FOR MAINTENANCE, REPAIRS, AND REPLACEMENT.
- 7. COORDINATE LOCATION, INSTALLATION, AND ROUTING OF DUCTWORK, PIPING AND EQUIPMENT WITH WORK OF ALL OTHER TRADES.
- 8. PROVIDE SUPPORT FOR MECHANICAL EQUIPMENT. COORDINATE SUPPORT LOCATIONS WITH ALL CONTRACTORS PRIOR TO INSTALLATION.
- 9. PROVIDE POWER CONNECTIONS TO EQUIPMENT PROVIDED UNDER THIS CONTRACT AS WORK OF DIVISION 26. 0. PROVIDE POWER CONNECTIONS AND CONTROL WIRING TO
- EQUIPMENT PROVIDED UNDER THIS CONTRACT AS WORK OF DIVISION 26. PATCH, PAINT AND CLEAN SURFACES SUSTAINING DAMAGE ASSOCIATED WITH MECHANICAL WORK OF THIS CONTRACT,
- UNLESS NOTED OTHERWISE. 12. REPAIR AND SEAL ALL CEILING BAFFLING WHERE DUCTWORK
- PENETRATIONS WERE RELOCATED. PARTITION AND CEILING BAFFLING TO RETAIN INITIAL INTEGRITY. 13. CONFIRM FINAL LOCATIONS WITH ARCHITECT/INTERIOR
- DESIGNER PRIOR TO INSTALLATION. INSTALL NO MORE THAN 5 FEET ABOVE FINISHED FLOOR.







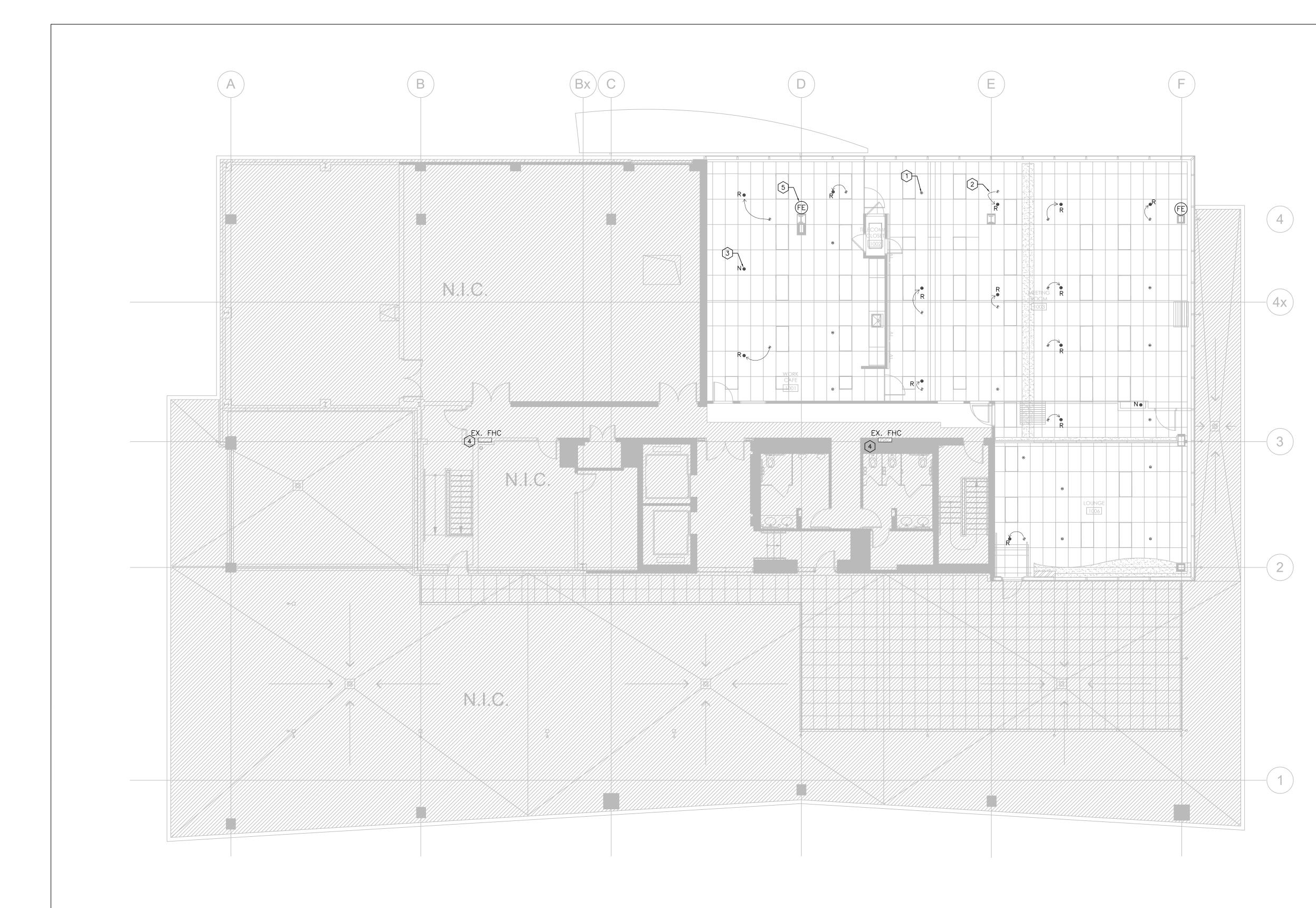
MECHANICAL DRAWING NOTES

1 REBALANCE EXISTING PERIMETER LINEAR SLOT DIFFUSERS AS INDICATED (TYPICAL).

- 2 RELOCATED THEROMSTART AND ASSOCIATED CONTROL WIRING SERVING CORRESPONDING VAV OR FPB AS
- INDICATED (TYP. OF 4). (3) INSTALL RELOCATED SQUARE CONE DIFFUSER AS SHOWN .
- BALANCE AIRFLOW AS INDICATED ON DRAWING (TYP. OF 4).
- (4) REBALANCE AIR FLOW ON EXISTING SQUARE CONE DIFFUSER AS INIDCATED (TYPICAL).
- 5 PROVIDE NEW FLEX DUCTWORK AND CONNECT TO EXISTING DIFFUSER. SIZE DUCTOWRK AS SHOWN ON DRAWING (TYPICAL).
- 6 PROVIDE NEW RIGID & FLEX DUCTWORK AND CONNECT TO EXISTING DIFFUSER. SIZE DUCTOWRK AS SHOWN ON DRAWING (TYP. OF 3).
- 7 PROVIDE NEW SPIN-OFF WITH RIGID DUCTWORK FROM
- EXISTING MAIN SUPPLY DUCTWORK (TYPICAL).
 PROVIDE NEW SPIN-OFF TRANSITION DUCTWORK FROM EXISTING MAIN SUPPLY DUCTWORK C/W WITH BALANCING
- EXISTING MAIN SUPPLY DUCTWORK C/W WITH BALANCING DAMPER (TYPICAL).
- 9 REBALANCE EXISTING VAV BOX IN CEILING SPACE AS SHOWN UPDATE BAS ACCORDINGLY. DAMPER TO MODULATE BETWEEN MIN. & MAX. SETTINGS IN RESPONSE TO TEMPERATURE & VENTILATION DEMANDS (TYPICAL).
- 10 REBALANCE EXISTING FAN POWERED BOX (FPB) WITH REHEAT (RH) IN CEILING SPACE AS SHOWN UPDATE BAS ACCORDINGLY. DAMPER SETTING TO MODULATE BETWEEN
- MIN. & MAX. SETTINGS IN RESPONSE TO TEMPERATURE & VENTILATION DEMANDS (TYPICAL). (11) INSTALL RELOCATED NEW EGG-CRATE RETUN AIR GRILLE AS
- SHOWN (TYP. OF 2). (12) RELOCATED EXISTING ELECTRIC FORCED FLOW HEATER
- (EX.FFH) TO WHERE SHOWN AS NEW.
- 13 PROVIDE NEW 32×14 ACOUSTICALLY LINED TRANSFER AIRE DUCT.
- 14 PROVIDE NEW 8x8 EH PRICE EGG-CRATE RETURN AIR GRILLE SERIES 80.

HVAC GENERAL NOTES

- 1. WORK SHALL CONFORM TO O.B.C. AND ALL APPLICABLE LOCAL AND NATIONAL CODES & STANDARDS.
- 2. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN DOCUMENTATION.
- 3. PROVIDE MECHANICAL EQUIPMENT THAT IS LISTED AND LABELED BY UNDERWRITERS LABORATORIES (U.L.).
- 4. CONTRACTOR TO VERY SITE CONDITIONS AND REPORT ANY DISCREPANCIES PRIOR TO WORK. FAILURE TO VERIFY AND REPORT SHALL CONSTITUTE CONTRACTOR'S ACCEPTANCE OF EXISTING CONDITIONS AS FIT FOR THE PROPER EXECUTION OF WORK.
- 5. CONTRACTOR TO VERY SITE CONDITIONS AND REPORT ANY DISCREPANCIES PRIOR TO WORK.
- 6. INSTALL EQUIPMENT AS INDICATED, ALLOWING FOR SUFFICIENT ACCESS AND CLEARANCE SPACE FOR MAINTENANCE, REPAIRS, AND REPLACEMENT.
- 7. COORDINATE LOCATION, INSTALLATION, AND ROUTING OF DUCTWORK, PIPING AND EQUIPMENT WITH WORK OF ALL OTHER TRADES.
- 8. PROVIDE SUPPORT FOR MECHANICAL EQUIPMENT. COORDINATE SUPPORT LOCATIONS WITH ALL CONTRACTORS PRIOR TO INSTALLATION.
- PROVIDE POWER CONNECTIONS TO EQUIPMENT PROVIDED UNDER THIS CONTRACT AS WORK OF DIVISION 26.
 PROVIDE POWER CONNECTIONS AND CONTROL WIRING TO
- EQUIPMENT PROVIDED UNDER THIS CONTRACT AS WORK OF DIVISION 26.
- ASSOCIATED WITH MECHANICAL WORK OF THIS CONTRACT, UNLESS NOTED OTHERWISE. 12. REPAIR AND SEAL ALL CEILING BAFFLING WHERE DUCTWORK
- PENETRATIONS WERE RELOCATED. PARTITION AND CEILING BAFFLING TO RETAIN INITIAL INTEGRITY.
- CONFIRM FINAL LOCATIONS WITH ARCHITECT/INTERIOR DESIGNER PRIOR TO INSTALLATION. INSTALL NO MORE THAN 5 FEET ABOVE FINISHED FLOOR.



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MECHANICAL DRAWING NOTES

1 EXISTING PENDANT SPRINKLER HEAD TO REMAIN (TYPICAL).

- 2 RELOCATE EXISTING PENDANT SPRINKLER HEAD TO WHERE SHOWN AS NEW. PROVIDE NEW SPRINKLER HEAD AND BRANCH PIPING USING RIGID PIPING AND FITTINGS (TYPICAL).
- 3 PROVIDE NEW PENDANT SPRINKLER HEAD C/W WITH RIGID PIPING DROP FROM MAIN. REFER TO MECHANICAL DETAILS FOR CONSTRUCTION.
- 4 EXISTING 100 FEET FIRE HOSE CABINET IN PUBLIC CORRIDOR TO REMAIN (TYP. OF 2).
- 5 PROVIDE NEW FIRE EXTINGUISHER, COORDINATE WITH LOCAL FIRE MARSHALL FOR EXACT QUANTITY AND LOCATION (TYPICAL).

FIRE PROTECTION GENERAL NOTES

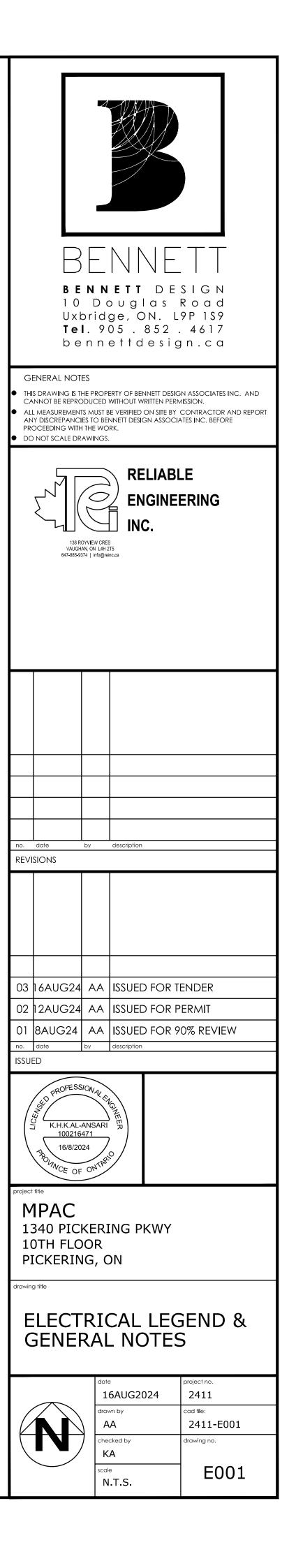
- 1. THE WORK UNDER THIS SECTION INCLUDES ALL LABOUR, MATERIALS, FEES AND ACTIVITIES NECESSARY TO INSTALL TEST AND COMMISSION A FULLY FUNCTIONAL AND CODE COMPLIANT SUPPRESSION SYSTEM.
- 2. THE DRAWINGS ARE SCHEMATIC IS NATURE AND ARE INTENDED FOR PURPOSE OF OBTAINING A BUILDING PERMIT AND AS THE BASIS OF DESIGN FOR PREPARATION OF DETAILED SHOP DRAWINGS. THE DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATION, BUT TO DEMONSTRATE THE CONFIGURATION. FIELD VERIFY LOCATIONS OF ALL SPRINKLERS AND COMPONENTS.
- 3. ALL COMPONENTS SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING.
- 4. COORDINATE WITH THE LOCAL FIRE MAR SHALL FOR EXACT QUANTITY AND LOCATION OF FIRE EXTINGUISHERS.
- 5. CONTRACTOR TO ACCOUNT FOR (5) ADDITIONAL PENDANT SPRINKLER HEAD.
- 6. CONTRACTOR TO VERY SITE CONDITIONS AND REPORT ANY DISCREPANCIES PRIOR TO WORK.

MPAC

1340 PICKERING PKWY10TH FLOORELECTRICAL DRAWINGS

ISSUED FOR TENDER

GENERAL NOTES	ELECTRICAL LEGEND					
	SYMBOL	DESCRIPTION				
 GENERAL: 1.1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, 						
2. LIGHTING:		NEW/RELOCATED BASE BUILDING LIGHT FIXTURE.				
2.1 TO INSTALL NEW EMERGENCY LIGHTING, CONNECT WIRING FROM THE EXISTING CIRCUITS THAT ARE PRESENT IN THE CEILING SPACE. ENSURE THAT THE CIRCUIT IS NOT		BASE BUILDING LIGHT FIXTURE TO BE REMOVED.				
OVERLOADED. IN CASE IT IS REQUIRED, NEW CIRCUITS MUST BE PROVIDED. IF THE CURRENT EMERGENCY LIGHTING CIRCUITS ARE RATED AT 347V, AND THE EMERGENCY LIGHTS ARE RATED AT 120V, PROVIDE ALL NECESSARY AUTO TRANSFORMERS. RECIRCUIT		EXISTING BASE BUILDING LIGHT FIXTURE.				
THE EXISTING NORMAL AND EMERGENCY LIGHTING CIRCUITS TO MATCH THE LAYOUT THAT IS PROVIDED IN THE PLANS.	∞	LIGHT FIXTURES ON EMERGENCY CIRCUIT.				
2.2 CONNECT EXIT LIGHTS TO NEAREST EXIT LIGHT CIRCUIT ON THIS FLOOR. EXIT SIGNS TO		CEILING MOUNTED POTLIGHT.				
MATCH BASE BUILDING STANDARD WITH GREEN RUNNING MAN PICTOGRAM. ENSURE THAT THE CIRCUIT IS NOT OVERLOADED. IN CASE IT IS REQUIRED, NEW CIRCUITS MUST BE PROVIDED. EXIT SIGN TO BE CERTIFIED AS PER CSA 22.2 NO.141–10, AND MEET ISO	⊕	SUSPENDED PENDANT.				
3864–1 AND 7010. EXIT SIGNS TO BE PENDANT MOUNTED WHEN INSTALLED IN AN EXPOSED CEILING AREA.	5	LIGHT SWITCH, 120V.1P.				
3. POWER:3.1 CIRCUIT NUMBERS SHOWN ARE FOR GROUPING PURPOSES ONLY. ENSURE EVEN	\mathbf{x}	CEILING OR WALL MOUNTED OCCUPANCY SENSOR.				
DISTRIBUTION OF CIRCUITS.		LIGHT STRIP.				
4. LIFE SAFETY:4.1 ALL NEW LIFE SAFETY DEVICES TO MATCH BASE BUILDING STANDARDS. ALL TIE-IN	⊠	EXIT SIGN TO MATCH BASE BUILDING STANDARD.				
TO BASE BUILDING LIFE SAFETY SYSTEM TO BE DONE BY LANDLORD'S BASE BUILDING LIFE SAFETY CONTRACTOR. INCLUDE COST IN THIS CONTRACT. PROVIDE COST FOR	S	CEILING MOUNTED AUDIO VISUAL SPEAKER.				
ADDITION, RELOCATION, VERIFICATION AND TESTING OF THE LIFE SAFETY SYSTEM COMPONENTS.	¶ ₽	WALL MOUNTED DUPLEX RECEPTACLE. 120V.1P, 15A UNLESS OTHERWISE NO				
5. IT/COMMS:		WALL MOUNTED QUAD RECEPTACLE. 120V.1P, 20A UNLESS OTHERWISE NOTE				
5.1 PROVIDE EMPTY CONDUIT C/W PULL STRING, JUNCTION BOXES AND ALL NECESSARY ACCESSORIES TO FACILITATE THE PROPER INSTALLATION OF VOICE/ DATA CABLING. THE		WALL MOUNTED T-SLOT RECEPTACLE. 120V.1P, 20A UNLESS OTHERWISE NO				
SUPPLY AND INSTALLATION OF VOICE/DATA CABLES TO BE BY THE COMMUNICATIONS CONTRACTOR.	•	WALL MOUNTED DUPLEX RECEPTACLE WITH DEDICATED NEUTRAL. 120V.1P, 1 UNLESS OTHERWISE NOTED.				
6. SECURITY:		WALL MOUNTED DUPLEX/USB RECEPTACLE COMBINATION. 120V.1P, 15A UNL OTHERWISE NOTED.				
6.1 PROVIDE 120V POWER AND CONDUIT COMPLETE WITH PULL STRING, JUNCTION BOXES AND ALL ANCILLARY DEVICES REQUIRED FOR THE PROPER INSTALLATION OF SECURITY CABLING	$\mathbf{\nabla}$	WALL MOUNTED SINGLE GANG DATA ROUGH-IN.				
AND DEVICES. SUPPLY AND INSTALLATION OF SECURITY DEVICES AND WIRING TO BE BY SECURITY CONTRACTOR. CONFIRM EXACT REQUIREMENTS WITH TENANT PRIOR TO COMMENCEMENT OF WORK.	∇	WALL MOUNTED DOUBLE GANG DATA ROUGH-IN.				
6.2 PROVIDE DOUBLE CONTACT FIRE ALARM PULL STATIONS WHERE FIRE ALARM PULL STATIONS	\bigtriangledown	WALL MOUNTED FOUR GANG DATA ROUGH-IN C/W MUDRING.				
ARE REQUIRED AT DOORS EQUIPPED WITH ELECTRO MAGNETIC LOCKS. CONNECT ONE CONTACT DIRECTLY TO THE SECURITY ELECTRO MAGNETIC LOCK AND THE OTHER CONTACT TO THE BASE BUILDING FIRE ALARM SYSTEM. CONFIRM FIRE ALARM PULL STATIONS HAVE	٢D	SINGLE PHASE MOTOR CONNECTION COMPLETE WITH DISCONNECT SWITCH.				
DUAL CONTACTS IN LOCATIONS WHERE FIRE ALARM PULL STATIONS ARE SHOWN AS EXISTING AND REPLACE WITH NEW IF REQUIRED.	J	JUNCTION BOX.				
		SURFACE MOUNTED ELECTRICAL PANEL.				
		FIRE ALARM PULL STATION.				
	S	CEILING MOUNTED FIRE ALARM SPEAKER.				
		CARD READER ROUGH-IN.				
		DOOR CONTACT ROUGH-IN.				
		MAGNETIC LOCK ROUGH-IN.				
	•	PUSH BUTTON ROUGH-IN.				
		CEILING MOUNTED TRANSFORMER.				
		NOMENCLATURE:				
		D – DEMOLISH DEVICE E – EXISTING TO REMAIN				
		R – EXISTING TO BE REMOVED OR RELOCATED ER – EXISTING IN RELOCATED POSITION				
		R/R – REMOVE AND RE–INSTALL				



		ELECTRICAL SPECIFICATIONS
 <u>GENERAL REQUIREMENTS, CODES AND STANDARDS:</u> 1.1. GENERAL REQUIREMENTS, INSTRUCTIONS TO BIDDERS, THIS SPECIFICATION AND ANY ADDENDA HERETO FORM PART OF THE CONTRACT DOCUMENTS AND MUST BE READ IN CONJUNCTION WITH THEM. WORK TO INCLUDE THE FURNISHING OF ALL LABOUR AND MATERIALS UNLESS SPECIFIED OTHERWISE. COMPLETE AND PUT INTO OPERATING CONDITION ALL ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS AND 	5.4. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC PERFORMANCE DRAWINGS ONLY, AIMED AT OUTLINING THE SCOPE OF WORK, AND PROVIDING AN OVERVIEW OF ELECTRICAL EQUIPMENT'S APPROXIMATE SIZE AND LOCATION. THE DRAWINGS DO NOT INCLUDE ARCHITECTURAL, INTERIOR DESIGN, MECHANICAL, STRUCTURAL, OR BASE BUILDING SPECIFICS AND DETAILS. ELECTRICAL CONTRACTOR HAS THE RESPONSIBILITY TO THOROUGHLY FAMILIARIZE THEMSELVES WITH THIS INFORMATION BEFORE COMMENCING WORK.	15.1. ONCE THE WORK IS CONCLUDED AND PRIOR TO FINAL APPROVAL, PROVIDE RECORD DRAWINGS OF THE INSTALLATION IN AUTOCAD 2018 OR A MORE RECENT VERSION. THE ELECTRICAL CONTRACTOR WILL RECEIVE AN ELECTRONIC COPY IN AUTOCAD FORMAT OF ALL DRAWINGS FROM THE CONSULTANT, WITHOUT ANY CHARGE. THESE DRAWINGS WILL ACCURATELY REPRESENT THE ORIGINAL TENDER AND CONSTRUCTION SET. ALL REVISIONS MADE ON SITE DURING CONSTRUCTION MUST BE ACCURATELY RECORDED.
 SPECIFICATIONS HEREIN. 1.2. ENSURE THAT THE INSTALLATION OF THE WORK IS CARRIED OUT IN ACCORDANCE WITH THE MOST RECENT EDITIONS OF THE ONTARIO BUILDING CODE, ONTARIO ELECTRICAL SAFETY CODE, C.S.A. STANDARDS, U.L.C., N.F.P.A., O.H.S.A., AND OTHER RELEVANT CODES AS NECESSARY. ADHERE TO ELECTRICAL AND BUILDING CODE BULLETINS APPLICABLE AT THE TIME OF BID SUBMISSION. ALTHOUGH NOT IDENTIFIED AND SPECIFIED BY NUMBER IN THIS DIVISION, THEY MUST BE REGARDED AS INTEGRAL COMPONENTS OF ASSOCIATED STANDARDS. ALL ELECTRICAL WORK MUST MEET THE LANDLORD'S SPECIFICATIONS/REQUIREMENTS AND THE BASE BUILDING STANDARDS. THE CONTRACTOR MUST OBTAIN ALL LANDLORD'S REQUIREMENTS AND BASE BUILDING STANDARDS FROM THE LANDLORD DURING THE TENDER PERIOD. 	 5.5. DO NOT SCALE OR MEASURE THE DRAWINGS. INSTEAD, GATHER ACCURATE DIMENSIONAL DATA FROM THE DESIGN CONSULTANT'S/ARCHITECT'S DRAWINGS OR IN ACCORDANCE WITH SITE REQUIREMENTS. 5.6. IN CASE OF ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND EXISTING CONDITIONS, CONTACT THE DESIGN CONSULTANT/ARCHITECT BEFORE INITIATING WORK ON THE AFFECTED AREA. 5.7. COLLABORATE AND COORDINATE WITH OTHER CONTRACTORS WHEN PLANNING OUT THE WORK TO AVOID CONFLICTS WITH THE WORK OF OTHER CONTRACTORS. EXECUTE THE WORK PROMPTLY AS PER THE CONSTRUCTION SCHEDULE, ENSURING IT IS COORDINATED WITH OTHER CONTRACTORS' TASKS. 	 15.2. INCORPORATE ALL MODIFICATIONS AND DEVIATIONS FROM THE TENDER DRAWINGS USING ESTABLISHED DRAFTING PRACTICES THAT ALIGN WITH THE ORIGINAL DRAFTING METHOD. 15.3. ENSURE THAT THE ELECTRICAL ENGINEER'S SEAL IS REMOVED FROM ALL RECORD DRAWINGS AND THAT RELIABLE ENGINEERING INC'S LOGO REMAINS VISIBLE ON ALL RECORD DRAWINGS. 15.4. CLEARLY DISPLAY THE TERM "RECORD DRAWINGS, ALONG WITH THE ELECTRICAL CONTRACTOR'S NAME, ADDRESS AND CONTACT INFORMATION. 15.5. SHOW ALL MAJOR JUNCTION BOXES, CORE HOLES, CONDUIT HOME RUNS AND CIRCUIT NUMBERS ON AS-BUILT DRAWINGS.
 PERMITS CODES AND INSPECTION OF EXISTING CONDITIONS: THE ELECTRICAL CONTRACTOR, IN ACCORDANCE WITH SECTION 2 OF THE O.E.S.C., MUST ACT AS THE OWNERS AGENT AND SHALL PROMPTLY UPON CONTRACT AWARD, SUBMIT TO THE LOCAL ELECTRICAL INSPECTION DEPARTMENT, THE NECESSARY DOCUMENTS FOR EXAMINATION, SPECIALIZED INSPECTION, AND APPROVAL, IN ADVANCE OF WORK COMMENCEMENT, WHILE COVERING ALL ASSOCIATED COSTS AND FEES. IF NECESSARY, PREPARE ANY SUPPLEMENTARY DRAWINGS OR DOCUMENTATION AS MANDATED BY THE AUTHORITY. UPON REQUEST, THE CONSULTANT WILL PROVIDE THE REQUIRED QUANTITY OF DRAWINGS AT THE CONTRACTORS COST. 	 5.8. MAKE ANY NECESSARY CHANGES OR ADDITIONS TO MATERIALS AND EQUIPMENT TO ACCOMMODATE STRUCTURAL CONDITIONS (SUCH AS OFFSETS AROUND BEAMS, COLUMNS, ETC.) AT NO ADDITIONAL COST. 6. <u>INSURANCE:</u> 6.1. OBTAIN AND UPKEEP INSURANCE COVERAGE TO SAFEGUARD THE LANDLORD, TENANT, AND TRADES AGAINST ANY POTENTIAL CLAIMS. INCLUDE WITH THE BID AT A LEVEL SATISFACTORY TO BOTH LANDLORD AND TENANT. 7. <u>SETTING OUT OF WORK:</u> 	 15.6. PROVIDE THREE (3) COPIES OF MAINTENANCE MANUALS TO INCLUDE ALL NEW ELECTRICAL EQUIPMENT LIKE LIGHT FIXTURES, EXIT LIGHTS, BATTERY UNITS, LIGHTING CONTROLS, PANELS, TRANSFORMERS ETC. 15.7. SUBMIT A SINGLE (1) SET OF CAD AND PDF DRAWINGS TO THE CONSULTANT FOR REVIEW. ONCE APPROVED BY THE CONSULTANT, PROVIDE THREE (3) SETS OF PRINTS FOR PRESENTATION TO THE LANDLORD AND TENANT. 16. EQUIPMENT IDENTIFICATION: 16.1. LABEL ALL RECEPTACLES WITH CIRCUIT NUMBER AND PANEL NAME OR IDENTIFICATION.
 2.4. UPON COMPLETION OF WORK, PROVIDE CERTIFICATE(S) OF ACCEPTANCE FROM THE AUTHORITIES INSPECTION DEPARTMENT. 2.5. PERFORM A SITE VISIT TO INSPECT THE SITE AND ASSESS THE PRESENT CONDITIONS IMPACTING THE WORK OF THIS DIVISION PRIOR TO BID SUBMISSION. NO CLAIM FOR ADDITIONAL PAYMENT SHALL BE MADE FOR EXTRA WORK ARISING FROM CIRCUMSTANCES RESULTING FROM CONDITIONS EVIDENT DURING, OR REASONABLY DEDUCIBLE FROM, AN EVALUATION OF THE SITE BEFORE BID SUBMISSION. THIS ENCOMPASSES THE EXISTING SERVICES ABOVE CEILING. 	 7.1. COORDINATE WITH THE LANDLORD BEFORE TURNING OFF ANY ELECTRICAL EQUIPMENT WHICH ARE INCLUDED WITHIN THE SCOPE OF WORK (PANELS, DISCONNECT SWITCHES ETC.) 7.2. THE ELECTRICAL TRADE SHALL RECTIFY ANY WORK DONE IN A MANNER CONTRARY TO THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, AND SHALL BEAR ALL ASSOCIATED COSTS. IN CASES WHERE THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS AMBIGUOUS, SEEK CLARIFICATION PRIOR TO COMMENCING THE WORK. 8. CLEAN UP: 	17. WORK IN NEW AND RENOVATED AREAS: 17.1. DISCONNECT AND REMOVE EXISTING LUMINAIRES, DEVICES, OUTLETS, ETC., THAT WILL NOT BE REUSED. THESE ITEMS MUST BE PACKAGED AND HANDED OVER TO THE LANDLORD AT A LOCATION DESIGNATED BY THEM. CUT BACK AND CAP UNUSED RACEWAYS AND OUTLETS, AND REMOVE UNUSED WIRING BACK TO THE PANELBOARD IN AN APPROVED MANNER. REMOVE ALL UNNECESSARY AND/OR REDUNDANT COMMUNICATIONS CABLES BACK TO HUB ROOMS AND/OR TELEPHONE RISER ROOMS.
 2.6. NOTE THAT ASBESTOS FIBERS MAY BE PRESENT IN VARIOUS COATINGS OR ON VARIOUS SURFACES, LOCATED IN SPECIFIC AREAS OF THE BUILDING. ORGANIZE WORK/TASKS TO AVOID DISTURBING THESE MATERIALS, OR IMPLEMENT FULL AND NECESSARY MEASURES TO SHIELD ALL PERSONNEL FROM CONTACT WITH THEM, IN A MANNER SUBJECT TO APPROVAL BY THE LANDLORD. FACTOR IN ALL COSTS TIED TO ANY REQUIRED REMEDIAL WORK IN THE BID. 2.7. EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL DRAWINGS AND 	 8.1. ELECTRICAL TRADE AND ITS SUB-TRADES TO KEEP THE SITE FREE OF ALL DEBRIS, BOXES, PACKING ETC. RESULTING FROM WORK OF THIS TRADE AT ALL TIMES. 8.2. ELECTRICAL INSTALLATION TO BE LEFT IN A CLEAN AND FINISHED CONDITION TO SATISFACTION OF THE CONSULTANT UPON COMPLETION OF WORK. 	 17.2. WHEN REMOVING AND/OR MAKING SAFE EXISTING ELECTRICAL WORK, ENSURE THAT IT ENTAILS THE COMPLETE REMOVAL OF ALL DISCONNECTED WIRING BACK TO THE ASSOCIATED PANEL BOARD OR DISTRIBUTION EQUIPMENT. 17.3. THOROUGHLY INSPECT AND REFURBISH ALL EXISTING EQUIPMENT SLATED FOR REUSE AND/OR RELOCATION TO ENSURE PROPER FUNCTIONALITY UPON REINTEGRATION INTO SERVICE. REPLACE OUTLET BOXES, WIRING, AND/OR CONDUCTS THAT ARE CORPORED OF DAMAGED ENSURE
 WORK OF OTHER TRADES TO ENSURE WORK UNDER THIS BID CAN BE CARRIED OUT SATISFACTORILY WITHOUT CHANGES TO THE BUILDING AS SHOWN ON THE PLANS. SHOULD ANY CHALLENGES ARISE THAT INDICATE CONFLICTS OR DEMAND ADDITIONAL WORK BEYOND WHAT IS DEPICTED IN THESE DRAWINGS, NOTIFY THE ENGINEER PRIOR TO TENDER SUBMISSION. MATERIALS AND EQUIPMENT: 3.1. THE ELECTRICAL CONTRACTOR SHALL USE MATERIALS THAT MATCH BASE 	 <u>LOCATION OF OUTLETS:</u> REFER TO THE DESIGN CONSULTANT'S/ARCHITECT'S DRAWINGS FOR EXACT LOCATION AND PLACEMENT OF ALL LIGHTING FIXTURES AND WIRING DEVICES. RELOCATE OUTLETS WITHOUT ANY ADDITIONAL EXPENSE OR CREDIT, SO LONG AS THE DISTANCE DOES NOT SURPASS 3 METERS (10'). 	 AND/OR CONDUITS THAT ARE CORRODED OR DAMAGED. ENSURE COMPLIANCE WITH LOCAL ELECTRICAL SAFETY AUTHORITY'S STANDARDS. 17.4. ALL EXISTING ELECTRICAL EQUIPMENT THAT IS NO LONGER REQUIRED MUST BE REMOVED AND DISPOSED OF OFF-SITE. 17.5. IN CASE EXISTING OUTLET BOXES ARE REMOVED FROM EXISTING UNDER-FLOOR DUCTS, SEAL AND CAP THE VACATED HOLES FLUSH WITH THE FLOOR USING APPROVED FITTINGS. REMOVE ALL REDUNDANT WIRE
 BUILDING STANDARDS, ALL NEW EQUIPMENT USED SHALL BE C.S.A CERTIFIED. 3.2. THE ELECTRICAL CONTRACTOR SHALL USE CONDUIT FOR ALL FEEDER RUNS AS INDICATED ON DRAWINGS. 3.3. ALL MATERIAL AND EQUIPMENT MUST BE NEW, CERTIFIED AS PER CSA/CUL OR APPROVED BY THE O.E.S.C., AND MANUFACTURED TO THE 	 9.3. ENSURE ALL OUTLETS ARE LABELED ON THE WORK SITE AND APPROVED BY THE DESIGN CONSULTANT/ARCHITECT BEFORE INSTALLATION. 10. <u>CORING, CUTTING AND PATCHING:</u> 10.1. PRIOR TO COMMENCING CORE DRILLING ON THE FLOOR SLAB OR STRUCTURAL WALLS, IT IS IMPERATIVE TO CONDUCT X-RAY EXAMINATION OF THE SLAB OR WALLS. ENSURE THAT THE LOCATIONS ARE FORMALLY 	 AND CABLE BACK TO SOURCE. 17.6. ASSUME RESPONSIBILITY AND COVER ANY DAMAGES TO THE BASE BUILDING CAUSED BY THE WORK IN THIS DIVISION, OR REPAIR TO THE SATISFACTION OF THE CONSULTANT. 17.7. EXECUTE THE WORK WITH MINIMAL NOISE, DUST, AND DISTURBANCE.
 MENTIONED GUIDELINES. 3.4. IN CASE THERE IS NO SUBSTITUTE FOR PROVIDING EQUIPMENT THAT LACKS CERTIFICATION AS PER C.S.A/C.U.L OR AS APPROVED BY THE O.E.S.C., OBTAIN SPECIAL APPROVAL FROM THE ELECTRICAL SAFETY AUTHORITY. 3.5. ALL PANEL BOARDS, DISCONNECT SWITCHES, TRANSFORMERS, METERS 	 10.2. IN THE EVENT OF ANY EXISTING BUILDING SERVICE SUFFERING DAMAGE DUE TO CORE DRILLING, PROMPT REPAIRS MUST BE UNDERTAKEN WITHOUT INCURRING ANY COST TO EITHER THE LANDLORD OR TENANT. 10.3. FLOOR DRILLING SHALL BE EXECUTED POST REGULAR WORKING HOURS AND ONLY AT A TIME MUTUALLY AGREED UPON BY THE LANDLORD. 	 17.8. RELOCATE AND REROUTE EXISTING CONDUITS THAT ARE TO REMAIN IN "FINISHED" AREAS WHICH WILL BE EXPOSED. 17.9. CONDUITS THAT RE TO BE CUT BACK MUST TERMINATE IN A JUNCTION BOX. 17.8. PROVIDE NECESSARY TOOLS AND CLEAN-UP EQUIPMENT. OBTAIN APPROVAL FROM THE LANDLORD FOR THE USE OF ELECTRICAL.
ETC. TO HAVE COPPER WINDINGS AND BUSBARS, AND TO BE OF THE SAME MANUFACTURER AND HAVE THE SAME RATING, MANUFACTURER AND BE OF THE SAME TYPE AS BASE BUILDING EQUIPMENT UNLESS OTHERWISE NOTED. MOLDED CASE CIRCUIT BREAKERS TO BE BOLT ON AND OF THE SAME MANUFACTURER, RATIONG AND TYPE AS BASE BUILDING BREAKERS. ALL SURFACE MOUNTED PANEL BOARDS TO BE SPRINKLER PROOF. IF UNABLE TO MATCH BASE BUILDING EQUIPMENT ONE OF THE FOLLOWING MANUFACTURERS MUST BE USED: SCHNEIDER ELECTRIC, SIEMENS OR CUTLER HAMMER.	ALLOWANCES FOR THIS TASK SHOULD BE INCLUDED IN THE BID PRICE UPON SUBMISSION. 10.4. ALL REQUIRED CUTTING AND PATCHING TO THE EXISTING BUILDING STRUCTURE MUST FALL WITHIN THE SCOPE OF THIS AGREEMENT AND MUST MEET THE LANDLORD'S APPROVAL. OBTAIN WRITTEN APPROVAL FROM THE LANDLORD BEFORE INITIATING ANY MODIFICATIONS.	 17.9. 17.9. PERFORM DAILY CLEAN-UP AND PROPER DISPOSAL OF DEBRIS GENERATED DURING DAILY OPERATIONS. UPON COMPLETION OF THE WORK, REMOVE ALL TOOLS, SURPLUS MATERIALS, AND WASTE MATERIALS, AND LEAVE THE PREMISES IN A CLEAN AND PRISTINE CONDITION. 17.10. THOROUGHLY CLEAN LUMINAIRE REFLECTORS AND LENSES, LAMPS, AND
 3.6. ALL NEW PANEL BOARDS TO HAVE 200% RATED NEUTRAL BUS. 3.7. DRY TYPE TRANSFORMERS TO BE OF THE SAME TYPE AND MANUFACTURER AS BASE BUILDING, WITH A DESIGN K FACTOR OF 13 AND WITH ELELCTROSTATICALLY SHIELDED COPPER WINDINGS. PROVIDE DOUBLE LUGS ON TRANSFORMER NEUTRALS FOR CABLE CONNECTIONS. IF UNABLE TO MATCH BASE BUILDING TRANSFORMER ONE OF THE FOLLOWING MANUFACTURERS MUST BE USED: SCHNEIDER, HAMMOND, REX, DELTA. 3.8. FOR GROUNDING BUS BARS COVER TIPS, LUGS AND COPPER GROUND 	 10.5. IN CASE CONDUITS PASS THROUGH FIRE-RATED WALLS OR FLOORS, PROVIDE FIRE STOPPING MATERIALS THAT ARE CERTIFIED BY AND BEAR THE LABEL OF CSA AND ULC, AND ENSURE THEY MAINTAIN THE SAME FIRE RATING AS THE PENETRATED BUILDING COMPONENT. 11. ACCESS DOORS: 11.1. ENSURE THAT ANY BASE BUILDING EQUIPMENT NEEDING ACCESS, MAINTENANCE, OR ADJUSTMENT IS EQUIPPED WITH ACCESS DOORS THAT HAVE BEEN APPROVED BY THE DESIGN CONSULTANT/ARCHITECT AND THE LANDLORD. COORDINATE WITH THE RESPONSIBLE DIVISION TO FACILITATE ITS INSTALLATION. 	OTHER SURFACES THAT HAVE BEEN EXPOSED TO CONSTRUCTION DUST AND DIRT. CLEAN THE INSIDES AND OUTSIDES OF PANELBOARDS, SPLITTERS, AND OTHER ELECTRICAL EQUIPMENT, AND COMPLETELY REMOVE ALL DEBRIS AND TOOLS FROM THE PROJECT. 18. TESTING: 18.1. TEST ALL PORTIONS OF ELECTRICAL WORK AND ENSURE SATISFACTORY OPERATION. 18.2. PERFORM INSULATION RESISTANCE TESTING ON ALL POWER CIRCUIT
 BAR WITH 'PENETROX E' FROM 'BURNDY' OR 'KOPR-SHIELD' FROM 'T&B' AND GROUND ALL RACKS, PANELS, CABLE TRAYS AND EQUIPMENT VIA INDIVIDUAL #6AWG GREEN INSULATED GROUND WIRE. 3.9. ELECTRICAL PANELS TO MATCH BASE BUILDING STANDARD. NEW PANELS TO BE COMPLETE WITH MOLDED CASE CIRCUIT BREAKERS. BALANCE PANEL LOADS FOR EACH PHASE A, B & C. ALLOW FOR RELOCATING CIRCUITS WITHIN PANEL BOARD TO BALANCE THE LOAD. 	 PAINTING AND FINISHES: 12.1. ALL ELECTRICAL FITTINGS, SUPPORTS, HANGER RODS, PULLBOXES, CHANNEL FRAMES, CONDUIT RACKS, OUTLET BOXES, BRACKETS, CLAMPS ETC. TO HAVE GALVANIZED FINISH OR PAINT FINISH OVER CORROSION RESISTANT PRIMER. 13. MOUNTING HEIGHTS: 	 FEEDERS USING A MEGGER. SHOULD THE GROUND RESISTANCE ON ANY CIRCUIT FALL BELOW THE STANDARDS MANDATED BY CSA OR OTHER APPLICABLE REGULATIONS, THESE CIRCUITS ARE DEEMED DEFECTIVE AND MUST BE REPLACED. 18.3. MEASURE PHASE CURRENT TO PANEL BOARDS, FEEDERS, DISTRIBUTION CENTERS ETC. WITH NORMAL LOADS OPERATING AT TIME OF ACCEPTANCE. TESTS TO BE CARRIED OUT BY TURNING ON ALL POSSIBLE LOADS AND CHECKING LOAD CURRENT BALANCE. ADJUST BRANCH CIRCUIT CONNECTIONS AS REQUIRED TO OBTAIN THE BEST BALANCE OF
 3.10. USE CONDUIT FOR ALL FEEDER RUNS AS INDICATED ON DRAWINGS. ¾" IS TO BE THE MINIMUM CONDUIT SIZE FOR ALL APPLICATIONS. 4. <u>DEFINITIONS:</u> 4.1. WHEREVER THE TERMS "PROVIDE" OR "SUPPLY AND INSTALL" ARE USED THEY SHALL MEAN TO "PROVIDE AND INSTALL, INCLUSIVE OF ALL LABOUR, MATERIAL, INSTALLATION, TESTING AND CONNECTIONS" TO THE ITEM IN QUESTION. 	 13.1. MOUNTING HEIGHTS TO BE PER ARCHITECTURAL AND/OR INTERIOR DESIGNER'S DRAWINGS UNLESS NOTED OTHERWISE. 14. <u>SHOP DRAWINGS:</u> 14.1. PROVIDE A SET OF SHOP DRAWINGS OF ELECTRICAL EQUIPMENT SPECIFIED IN THIS PACKAGE FOR APPROVAL BY THE DESIGNER BEFORE ANY PURCHASE IS MADE. 	 21. <u>DEMOLITION:</u> 21. <u>DEMOLITION:</u> 21.1. <u>DEMOLITION OF ELECTRICAL DEVICES INCLUDES REMOVAL OF DEVICE AND ITS ELECTRICAL CONNECTION BACK TO THE PANEL, AND/OR MAIN SOURCE OF POWER. REMOVE ALL CONDUIT AND CABLING BACK TO SOURCE AND MAKE SAFE ELECTRICALLY.</u>
 4.2. WHEREVER THE TERMS "EQUAL", "APPROVED", OR "APPROVED EQUAL" ARE USED, THEY SHALL MEAN "EQUAL", "APPROVED", OR "APPROVED EQUAL" IN THE OPINION OF THE CONSULTANT ONLY. 5. <u>DRAWINGS AND SPECIFICATIONS:</u> 5.1. DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY AND SHALL ACT AS ONE PACKAGE. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS 	 14.2. CHANGES MADE TO THE SHOP DRAWINGS BY THE CONSULTANT WILL NOT AFFECT THE CONTRACT PRICE. 14.3. ALL WORK DONE PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. 14.4. ENGINEER'S ASSESSMENT OF SHOP DRAWINGS IS FOR GENERAL DESIGN ONLY AND DOES NOT ABSOLVE THE ELECTRICAL TRADE OR SUPPLIERS FROM ENSURING ACCURACY, CORRECT ASSEMBLY, AND PROVISION OF 	 22. <u>SERVICE INTERRUPTION:</u> 22.1. ELECTRICAL SERVICE INTERRUPTIONS IN ANY PART OF THE BUILDING SHALL ONLY OCCUR THROUGH PRIOR ARRANGEMENT WITH AND AT TIMES AGREED UPON BY THE LANDLORD. 22.2. INTERRUPTIONS SHALL ONLY TAKE PLACE DURING PREMIUM TIME PERIODS. ALL COSTS FOR THIS SHALL BE INCLUDED IN THE SUBMITTED
 TO ENSURE THE CONTRACTOR PROVIDES COMPLETE AND FULLY FUNCTIONAL SYSTEMS AS REQUIRED. SHOULD DISCREPANCIES ARISE, THE MOST STRINGENT CONDITION WILL TAKE PRECEDENCE. 5.3. ALL MISCELLANEOUS ELEMENTS, FITTINGS, EQUIPMENT, WIRING, ETC., NOT EXPLICITLY DESCRIBED BUT NECESSARY FOR SYSTEM OPERATION, MUST BE SUPPLIED AND INCORPORATED WITHIN THE BID. 	MATERIALS. THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF DEVIATIONS FROM CONTRACT SPECIFICATIONS UNLESS SPECIFICALLY INDICATED. THE ELECTRICAL TRADE IS ACCOUNTABLE FOR VERIFYING ALL DIMENSIONS. 15. <u>RECORD DRAWINGS:</u>	PRICE. 23. <u>CONDUITS AND FITTINGS:</u> 23.1. ALL CONDUITS USED ARE TO EITHER TERMINATE IN AN ELECTRICAL DEVICE OR IN A JUNCTION BOX.

- 23.2. ALL CABLES MUST BE RUN IN THREADED METAL CONDUIT.
- 23.3. THE MINIMUM SIZE OF ELECTRICAL CONDUIT TO BE USED MUST BE 3/4" (21MM) INCLUDING ALL UNDIMENSIONED CONDUITS SHOWN IN THESE DRAWINGS.
- 23.4. PROVIDE CONDUITS UP TO AND INCLUDING 103MM (4") DIAMETER, UTILIZING EMT SLIM WALL TUBING WITH STEEL SET-SCREW TYPE FITTINGS AND WEATHER-RESISTANT CONNECTORS FEATURING "O" RINGS IN SPRINKLER-EQUIPPED BUILDINGS. BUSHINGS AND CONNECTORS SHALL BE WITH INSULATED THROATS.
- 23.5. ARRANGE CONDUITS TO PRESERVE HEADROOM, ALIGNING THEM PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. AVOID SUSPENDING CONDUITS FROM CEILING SUPPORTS.
- 23.6. PROVIDE FLEXIBLE LIQUID-TIGHT CONDUIT FOR LINKING TO MOTORS, TRANSFORMERS, AND WHEN CROSSING BUILDING EXPANSION JOINTS.
- 23.7. ALL EMPTY CONDUITS MUST BE COMPLETE WITH NYLON FISHING WIRE.
- 23.8. INSTALL TWO (2) SPARE CONDUITS WITH A DIAMETER OF 27MM (1") LEADING UP TO THE CEILING AREA FOR EACH RECESSED PANELBOARD. TERMINATE THESE CONDUITS IN A COVERED JUNCTION BOX OF 150MM X 150MM X 100MM (6" X 6" X 4") LOCATED IN THE CEILING SPACE.
- 23.9. FOR SPACES BENEATH RAISED FLOORS IN COMPUTER ROOMS AND LAN ROOMS, EMPLOY PLENUM-CERTIFIED LIQUID-TIGHT FLEXIBLE METAL CONDUITS. ENSURE CONDUITS FOLLOW THE GRID OF THE RAISED FLOOR AND LIE FLAT AGAINST THE FLOOR SURFACE.
- 23.10. ALL COMMUNICATIONS CONDUITS SHOULD BE PROPERLY REAMED AND FITTED WITH INSULATED BUSHINGS AT BOTH ENDS. THE CONTRACTOR IS REQUIRED TO NOTIFY THE CONSULTANT OF ANY COMMUNICATIONS CONDUIT LENGTHS EXCEEDING 70M (230 FT.) BEFORE INSTALLATION.
- 23.11.UTILIZE RIGID STEEL CONDUIT UP TO 2.4M (8'-0") ABOVE FINISHED FLOOR IN EXPOSED INDOOR AND OUTDOOR AREAS.
- 22. WIRING DEVICES:
- 22.1. ALL HOME RUNS MUST BE IN CONDUITS.
- 22.2. SIZE ALL WIRING FOR A MAXIMUM VOLTAGE DROP OF 2%.
- 22.3. ALL WALL MOUNTED DEVICES TO BE VERTICALLY FED. HORIZONTAL RUNS THROUGH PARTITIONS ARE PROHIBITED, UNLESS SPECIFIED FOR LOW HEIGHT PARTITIONS OR NOTED ON THE DRAWINGS.
- 22.4. ALL WIRE AND CABLE MUST BE COPPER, MINIMUM 12 GAUGE, CABLE NO. 12 AND NO. 10 TO BE SOLID, NO. 8 AND LARGER TO BE STRANDED WITH RW90XLPE INSULATION, AND 600 VOLT RATING.
- 22.5. FOR CEILING SPACES, BX#12 MAY BE USED FROM THE CEILING DISTRIBUTION BOX TO RECEPTACLES IN PARTITIONS. ENSURE BX CABLES IN CEILING SPACES DO NOT EXCEED A LENGTH OF 3048MM (10'-0"). AVOID RUNNING BX CABLES INTO PANELBOARDS.
- 23. <u>SUPPORTS:</u>
- 23.1. ALL SURFACE CONDUITS, ELECTRICAL EQUIPMENT ETC., TO BE SECURELY AND ADEQUATELY SUPPORTED.
- 23.2. WHERE INSERTS ARE REQUIRED IN CONCRETE, EXPANSION INSERTS, LEAD INSERTS OR PLASTIC INSERTS TO BE USED IN DRILLED HOLES. SHOT DRIVEN PINS TO BE USED IN STRUCTURAL CONCRETE ONLY UPON BASE BUILDING STRUCTURAL ENGINEER'S APPROVAL.

24. <u>GROUNDING:</u>

- 24.1. ENSURE ALL EQUIPMENT IS PROPERLY GROUNDED IN COMPLIANCE WITH YENT EDITION OF THE ELECTRICAL A SEPARATE GREEN INSULATED GROUND CONDUCTOR IN EVERY CONDUIT FOR ALL DEVICES, LUMINAIRES, AND FEEDERS (SUCH AS PANELBOARDS, SPLITTERS, DISCONNECT SWITCHES, ETC.).
- 25. LIGHTING LUMINAIRES, SWITCHES, DIMMERS, EXIT & EMERGENCY LIGHTING: <u>LUMINAIRES:</u>
- 25.1. ALL LUMINAIRES MUST BE CSA APPROVED.
- 25.2. ALL LUMINAIRES TO BE PROVIDED AS PER DRAWINGS AND LUMINAIRE SCHEDULE.
- 25.3. ALL LUMINAIRES TO BE COMPLETE WITH NEW LAMPS, BALLASTS, ACCESSORIES AND MOUNTING COMPONENTS.
- 25.4. ALL LUMINAIRES TO BE ALIGNED AND ADJUSTED IN THE PRESENCE OF THE CONSULTANT.
- 25.5. ALL FLUORESCENT AND PL LAMP COLOURS MUST BE CONSISTENT. PROVIDE NEW LAMPS FOR NEW AND EXISTING LUMINAIRES AS REQUIRED. CONFIRM EXACT COLOUR ON SITE.
- 25.6. ALL NEW AND RELOCATED LUMINAIRES TO BE INSTALLED IN OR ON THE BASE BUILDING CEILINGS MUST BE INDEPENDENTLY SUPPORTED FROM CEILING STRUCTURE WITH TENSO CHAINS UNLESS OTHERWISE NOTED.
- 25.7. UNLESS WRITTEN CONFIRMATION IS AVAILABLE, ATTESTING THAT THE CURRENT CEILING DESIGN AND CONSTRUCTION OF THE BASE BUILDING CAN ACCOMMODATE THE EXTRA LOAD OF THE BASE BUILDING LUMINAIRES. THE ELECTRICAL CONTRACTOR IS REQUIRED TO INSTALL ADDITIONAL SUPPORTS FOR ALL NEWLY INSTALLED BASE BUILDING LUMINAIRES AND FOR ANY EXISTING LUMINAIRES THAT ARE BEING MOVED. TROFFER FIXTURES ARE TO BE SUPPORTED BY TWO TENSO CHAINS FROM THE OVERHEAD STRUCTURE, WHILE EACH DOWNLIGHTS MUST HAVE A MINIMUM OF ONE TENSO CHAIN FOR SUPPORT. THE ASSOCIATED COSTS MUST BE INCLUDED IN THE TENDER PRICE.
- 25.8. EACH LUMINAIRE INSTALLED ON BRANCH CIRCUITS OPERATING ABOVE 150 VOLTS TO GROUND MUST INCLUDE AN INTEGRAL DISCONNECTING MEANS WITH THE CAPABILITY TO SIMULTANEOUSLY DEACTIVATE ALL CIRCUIT CONDUCTORS LINKING THE BRANCH CIRCUIT CONDUCTORS AND THE CONDUCTORS SUPPLYING THE BALLAST(S), AND MUST DISPLAY CLEAR, PERMANENT MARKINGS ADJACENT TO THE DISCONNECTING FEATURE, IDENTIFYING ITS SPECIFIC FUNCTION.
- 25.9. COORDINATE AND COLLABORATE WITH ALL OTHER TRADES TO ENSURE THE PROPER INSTALLATION OF ALL LUMINAIRES.
- 25.10. DURING OPERATION LIMITED TO EMERGENCY LIGHTING AT NIGHT, MEASURE THE 'AVERAGE' ILLUMINATION ON THE FLOOR (ESTABLISHING BOTH MAXIMUM AND MINIMUM LEVELS) ALONG THE PRIMARY PATHWAYS LEADING TO EXITS (PATHS OF EGRESS). DOCUMENT ALL LIGHTING RESULTS ON A PDF DRAWING FOR REVIEW BY THE CONSULTANT AND SUBMIT TO BUILDING INSPECTION AUTHORITIES.
- 25.11. BOTH BALLASTS AND LAMPS MUST BE OF THE SAME MANUFACTURER UNLESS OTHERWISE NOTED. ACCEPTABLE MANUFACTURERS FOR ALL LAMP TYPES IN THE SPECIFIED LUMINAIRES INCLUDE THE FOLLOWING UNLESS OTHERWISE NOTED:
 - PHILIPS – OSRAM SYLVANIA
 - GENERAL ELECTRIC (GE LIGHTING)

SWITCHES:

25.12. PROVIDE SWITCHES THAT MATCH BASE BUILDING STANDARD. WHERE NO STANDARD EXISTS, PROVIDE SPECIFICATION GRADE LOCAL 20A, 120 VOLT AND 347 VOLT SWITCHES, A.C. TYPE WITH MATCHING COVERPLATE FROM THE FOLLOWING MANUFACTURERS:

- 120V SWITCHES: – P&S #2621 SERIES – HUBBELL #HBL2121 SERIES
- LEVITON #5621-2 SERIES
- 347V SWITCHES:
- P&S #2601–347 SERIES LEVITON #5621—C—347 SERIES

25.13. PROVIDE OCCUPANCY SENSOR LIGHT SWITCHES THAT MATCH BASE BUILDING STANDARD. WHERE NO STANDARD EXISTS, PROVIDE THE FOLLOWING HUBBELL DUAL TECHNOLOGY WALL MOUNT OCCUPANCY SENSOR OR AN EQUIVALENT FROM WATTSTOPPER, CRESTRON, OR NLIGHT SUITABLE FOR EITHER 120V OR 347V AS REQUIRED:

– LHMTS–1–WH

THE SENSOR MUST OPERATE WITH MANUAL "ON" FUNCTIONALITY, FEATURING AN AUTOMATIC "OFF" CAPABILITY AND INCLUDE FIELD-ADJUSTABLE VIEWING ANGLES AND ADAPTIVE TECHNOLOGY. INDIVIDUAL ADJUSTMENTS FOR TIME AND SENSOR SETTINGS MUST BE PROVIDED BASED ON THE CLIENT'S SPECIFIC REQUIREMENTS.

25.14. PROVIDE CEILING-MOUNTED OCCUPANCY SENSORS WITH ADAPTIVE TECHNOLOGY THAT MATCH BASE BUILDING STANDARD. WHERE NO STANDARD EXISTS, PROVIDE THE FOLLOWING HUBBELL DUAL TECHNOLOGY OCCUPANCY SENSOR OR AN EQUIVALENT APPROVED BY WATTSTOPPER, CRESTRON, OR NLIGHT SUITABLE FOR EITHER 120V OR 347V AS REQUIRED:

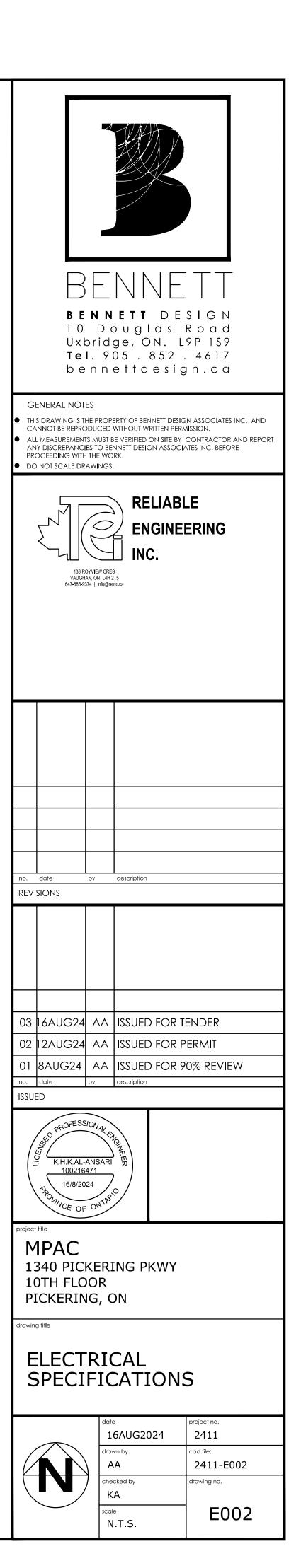
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THESE SENSORS MUST BE PROVIDED WITH A POWER PACK AND ALL REQUIRED WIRING ACCESSORIES TO MAKE SYSTEM FUNCTIONAL. SENSORS MUST BE SUITABLE FOR AREAS RANGING FROM 500 TO 2000 SQUARE FEET AS NEEDED. CUSTOMIZED TIME AND SENSOR ADJUSTMENTS MUST BE MADE TO MEET THE CLIENT'S SPECIFIC REQUIREMENTS.

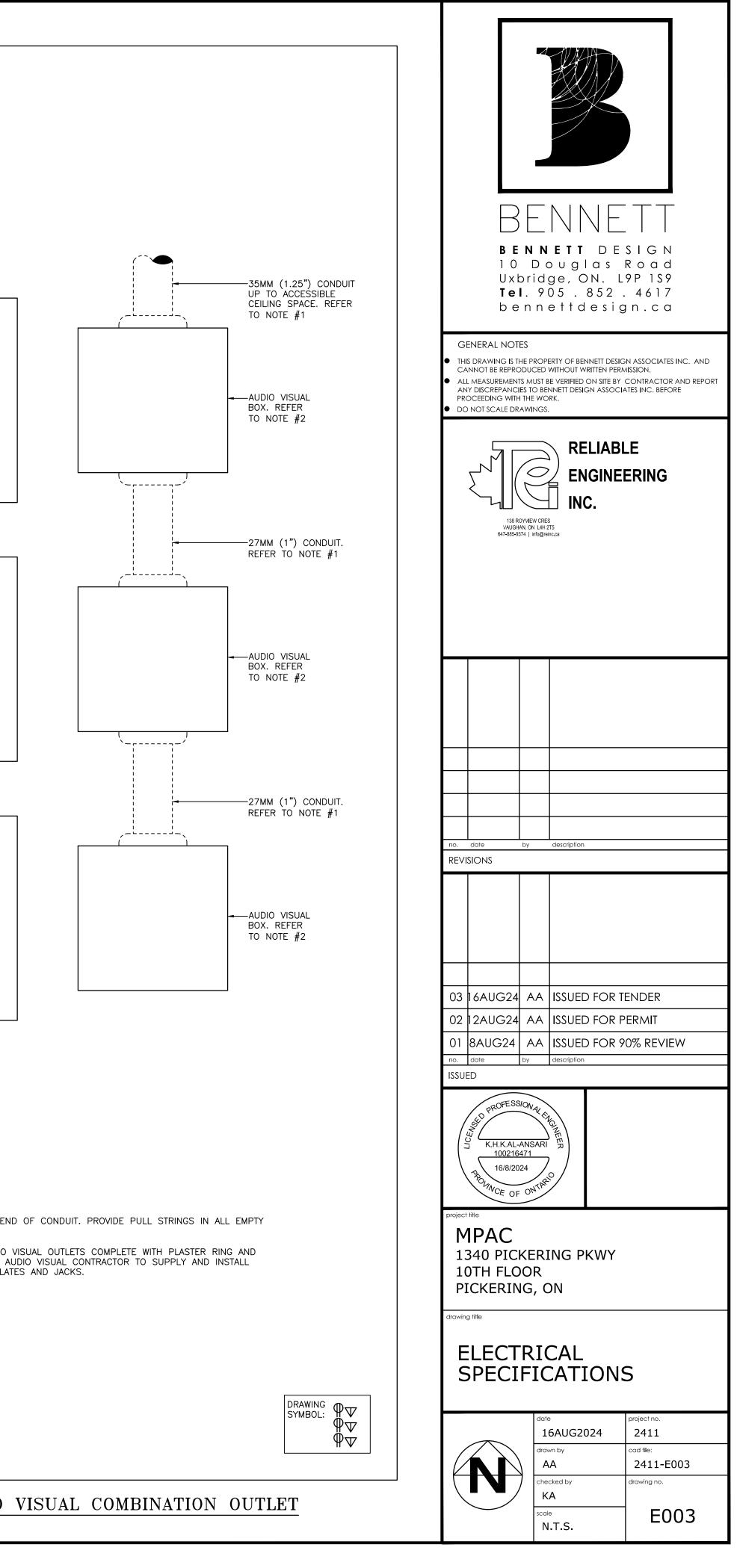
- 25.15. MASTER SWITCHES (LOW VOLTAGE AND OTHERWISE) AND BUILDING LIGHTING CONTROL SYSTEM SHALL HAVE THE CAPABILITY TO TURN ON AND OFF ALL LIGHTING (120V AND 347V) WITH THE EXCEPTION OF LUMINAIRES ON EMERGENCY LIGHTING CIRCUITS OR UNSWITCHED NIGHT LIGHT CIRCUITS.
- 25.16. COORDINATE LIGHTING CONTROL PROGRAMMING WITH BOTH CLIENT AND BUILDING SUPERVISOR.

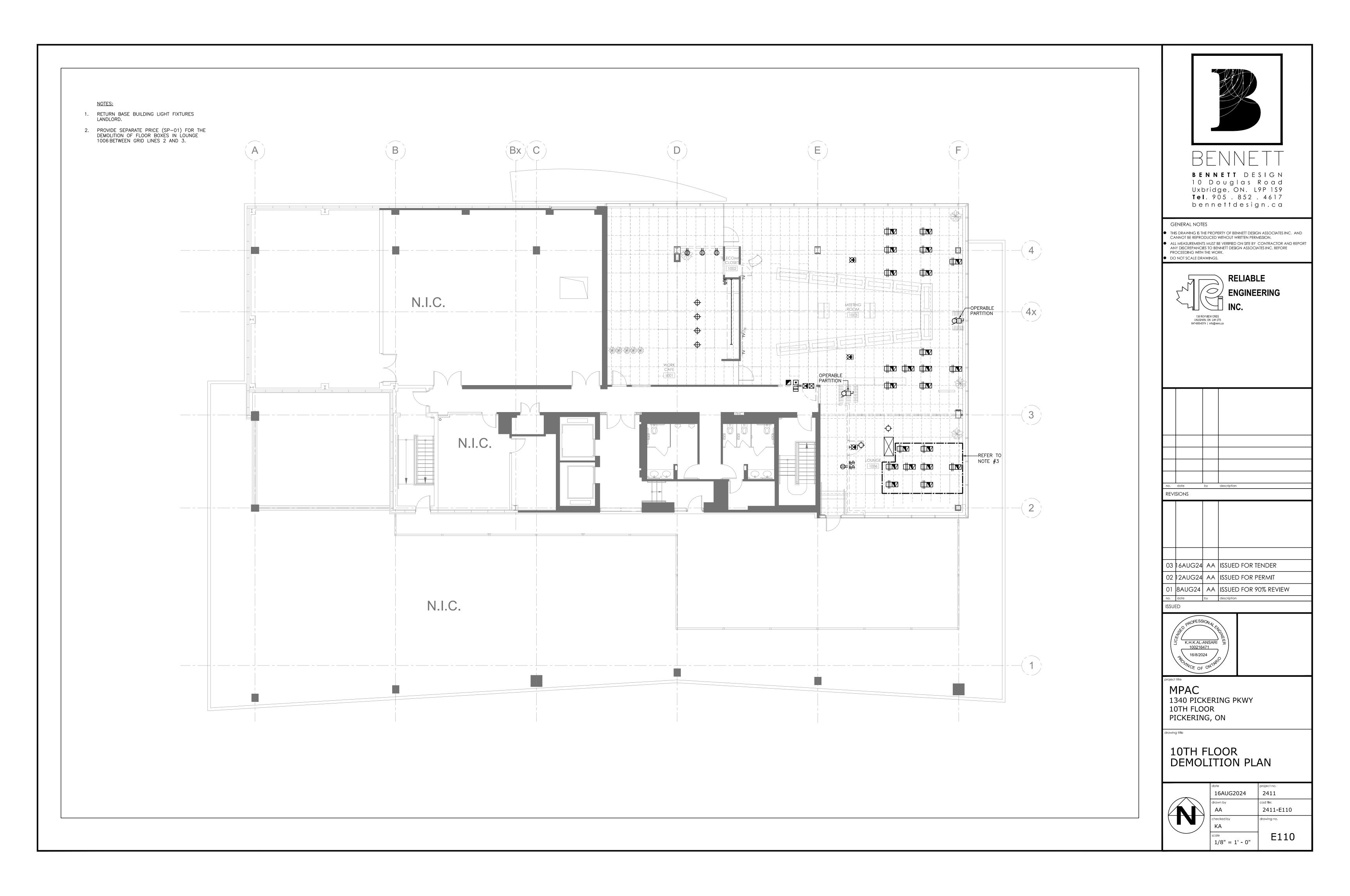
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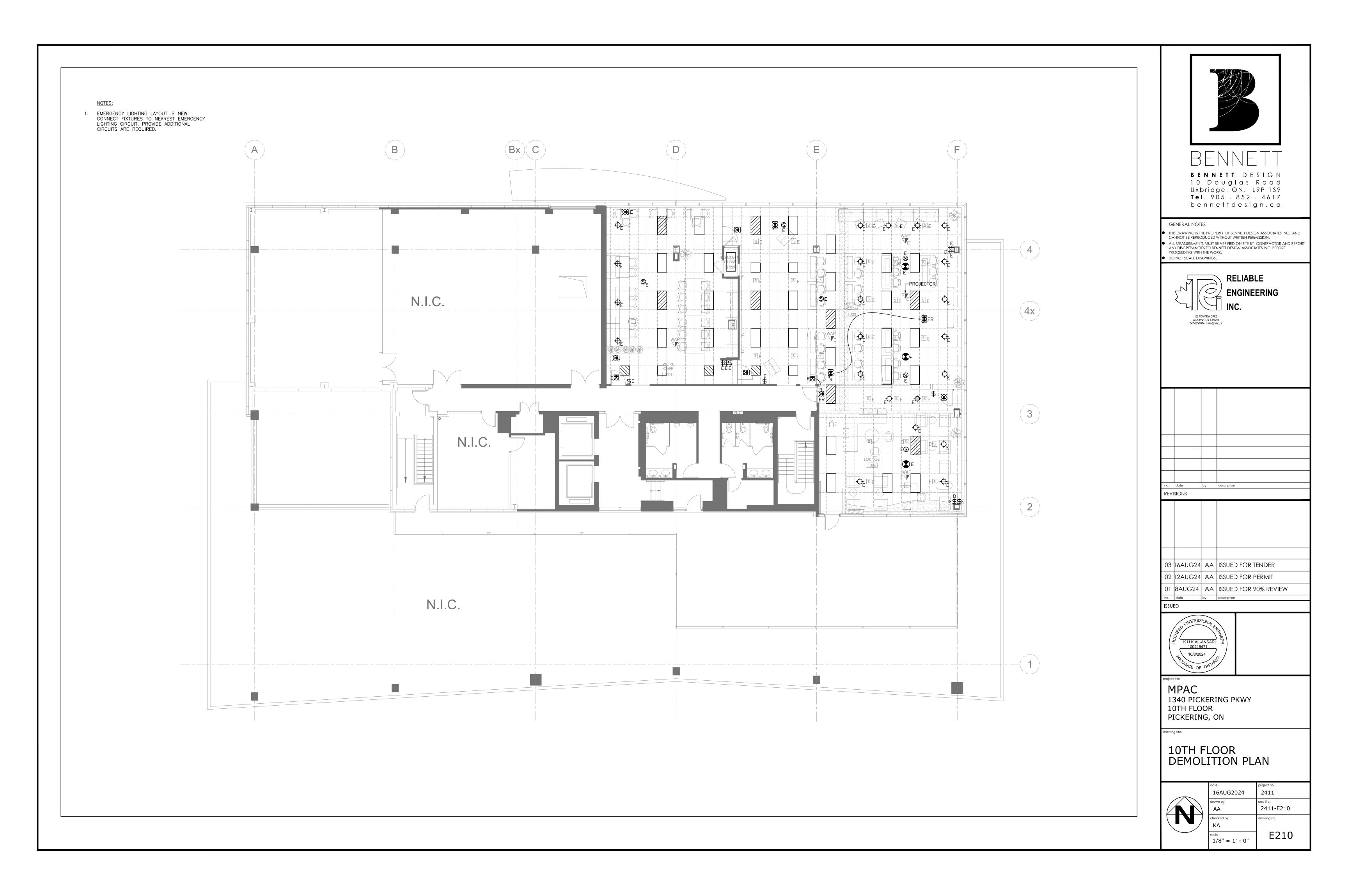
- 25.17. PROVIDE DIMMERS WITH LINEAR SLIDE CONTROL SIZED TO SUIT LOADS CONTROLLED FOR: FLUORESCENT, INCANDESCENT, LED, 0-10V, LOW VOLTAGE MAGNETIC AND LOW VOLTAGE ELECTRONIC LIGHTING AS INDICATED. PROVIDE THE FOLLOWING DIMMER OR APPROVED EQUAL UNLESS OTHERWISE NOTED:
 - LUTRON NOVA T SERIES
- 25.18. GROUP DIMMERS SHOWN NEXT TO EACH OTHER UNDER ONE SEAMLESS, MULTI GANG FACEPLATE.
- 25.19. PROVIDE THE FOLLOWING DIMMING BALLASTS WHEN DIMMING IS REQUIRED FOR FLUORESCENT AND COMPACT FLUORESCENT LAMPS:
 - ECO-10 - LUTRON HI-LUME
- 25.20. FLUORESCENT AND COMPACT FLUORESCENT LAMPS MUST BE OPERATED AT FULL BRIGHTNESS FOR A MINIMUM OF 100 HOURS PRIOR TO DIMMING
- 25.21. ALL DIMMER SWITCHES MUST INCLUDE AN ACCESSIBLE AIR GAP WITHOUT THE NEED TO REMOVE THE FACEPLATE. ALL DIMMERS MUST MEET THE UL 20 LIMITED SHORT CIRCUIT TEST REQUIREMENTS FOR SNAP SWITCHES AND UL 1472/CSA C22.2 SOLID STATE DIMMING CONTROLS. ADDITIONALLY, THEY MUST COMPLY WITH ANSI/IEEE STANDARD C62.41-1991. DEMONSTRATING THE ABILITY TO WITHSTAND VOLTAGE SURGES UP TO 6000V AND CURRENT SURGES UP TO 200A WITHOUT SUFFERING DAMAGE. UPON REQUEST, THE MANUFACTURER IS EXPECTED TO PROVIDE A FILE CARD DEMONSTRATING THEIR COMPLIANCE WITH THE AFOREMENTIONED STANDARDS.
 - EXIT LIGHTING AND EMERGENCY LIGHTING:
- 25.22. ALL NEW EXIT LIGHTS (EXIT SIGNS, BATTERY UNITS, BATTERY HEADS) TO MATCH BASE BUILDING STANDARDS. EMERGENCY BATTERY SHALL HAVE A FULL LOAD CAPACITY OF A MINIMUM OF 30 MINUTES. CHECK CIRCUIT LOADS OF ALL LIGHT CIRCUITS PRIOR TO CONNECTIONS AND PROVIDE NEW CIRCUITS AS REQUIRED.
- 25.23. CHECK CIRCUIT LOADS OF ALL EMERGENCY CIRCUITS PRIOR TO CONNECTION AND PROVIDE NEW EMERGENCY CIRCUITS AS REQUIRED. WHERE EMERGENCY LIGHTING FIXTURES ARE USED PROVIDE EMERGENCY LIGHTING RELAY TO OVERRIDE LIGHTING CONTROLS AND TO MAKE FIXTURE GO TO 100% BRIGHTNESS UPON LOSS OF POWER.
- 26. POWER DISTRIBUTION EQUIPMENT, METERING, SPD'S, OUTLETS, BREAKERS AND FUSES:
 - DISTRIBUTION EQUIPMENT:
- 26.1. ALL NEW PANELBOARDS, DISCONNECT SWITCHES, METERS, TRANSFORMERS, AND SIMILAR COMPONENTS MUST UTILIZE COPPER WINDINGS AND/OR BUS-BARS AND MUST BE OF THE SAME MANUFACTURER, RATING AND TYPE AS BASE BUILDING EQUIPMENT UNLESS OTHERWISE NOTED. ALL AUTOMATIC TRANSFER SWITCHES (ATS'S) AND SURFACE MOUNTED PANELBOARDS TO BE SPRINKLER PROOF. IN CASES WHERE UNABLE TO MATCH BASE BUILDING STANDARD, ONE OF THE FOLLOWING MANUFACTURER'S MUST BE UTILIZED: SCHNEIDER, SIEMENS OR EATON.
- 26.2. ALL MAIN BREAKERS TO BE SEPARATELY MOUNTED ON TOP OR BOTTOM OF PANEL TO SUIT CABLE ENTRY.
- 26.3. ALL MOULDED CASE CIRCUIT BREAKERS (MCCB'S) MUST BE BOLT-ON AND MUST BE OF THE SAME MANUFACTURER, RATING AND TYPE AS BASE BUILDING BREAKERS.
- 26.4. ALL NEW PANELBOARDS TO HAVE A 200% RATED NEUTRAL BUS.
- 26.5. ALL SPLITTERS MUST HAVE A SHEET STEEL ENCLOSURE WITH WELDED CORNERS AND A HINGED COVER DESIGNED FOR SECURE LOCKING WHEN CLOSED. CONNECTION BARS TO MATCH REQUIRED SIZE AND NUMBER OF INCOMING AND OUTGOING CONDUCTORS AS SPECIFIED.

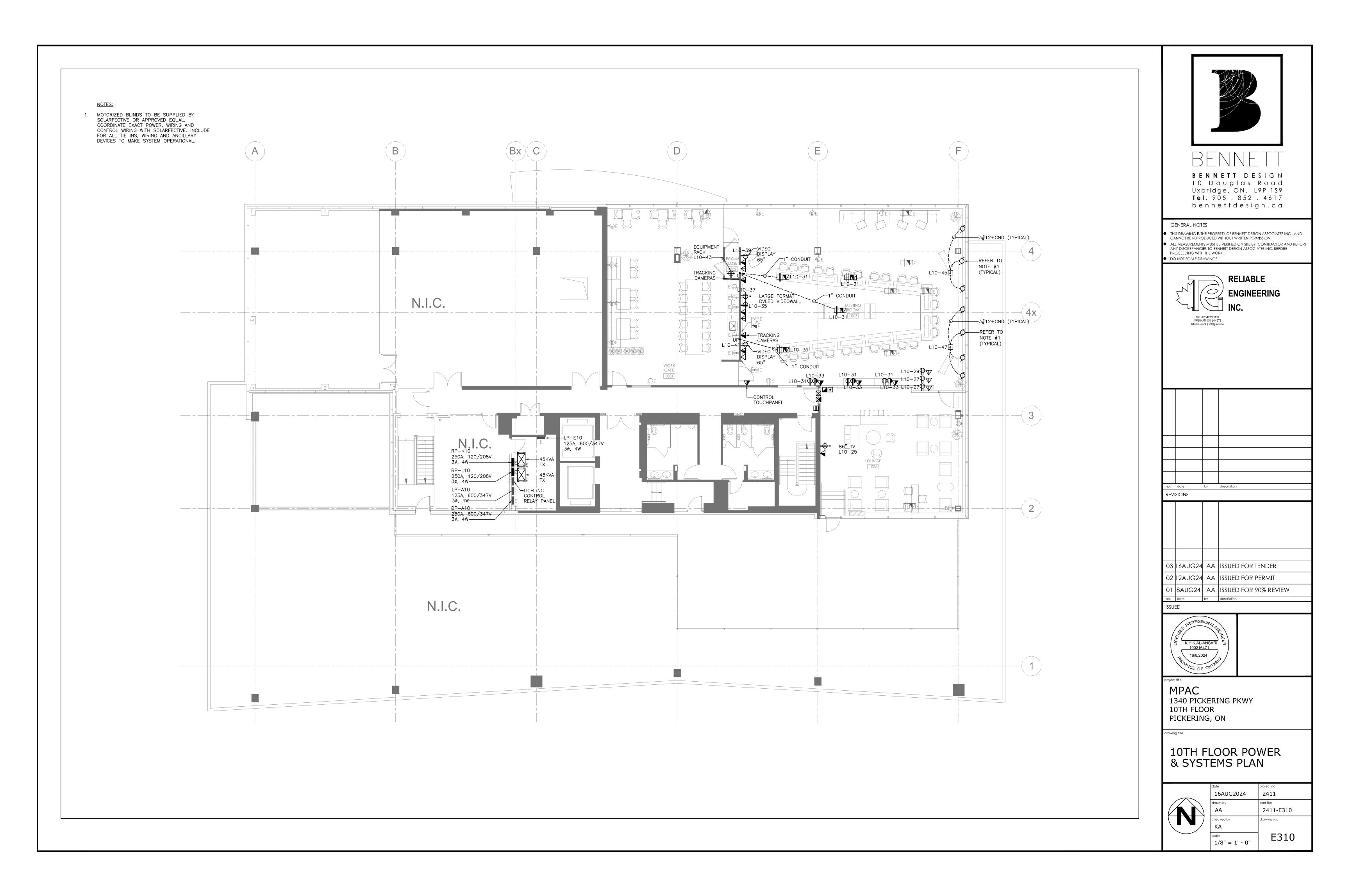


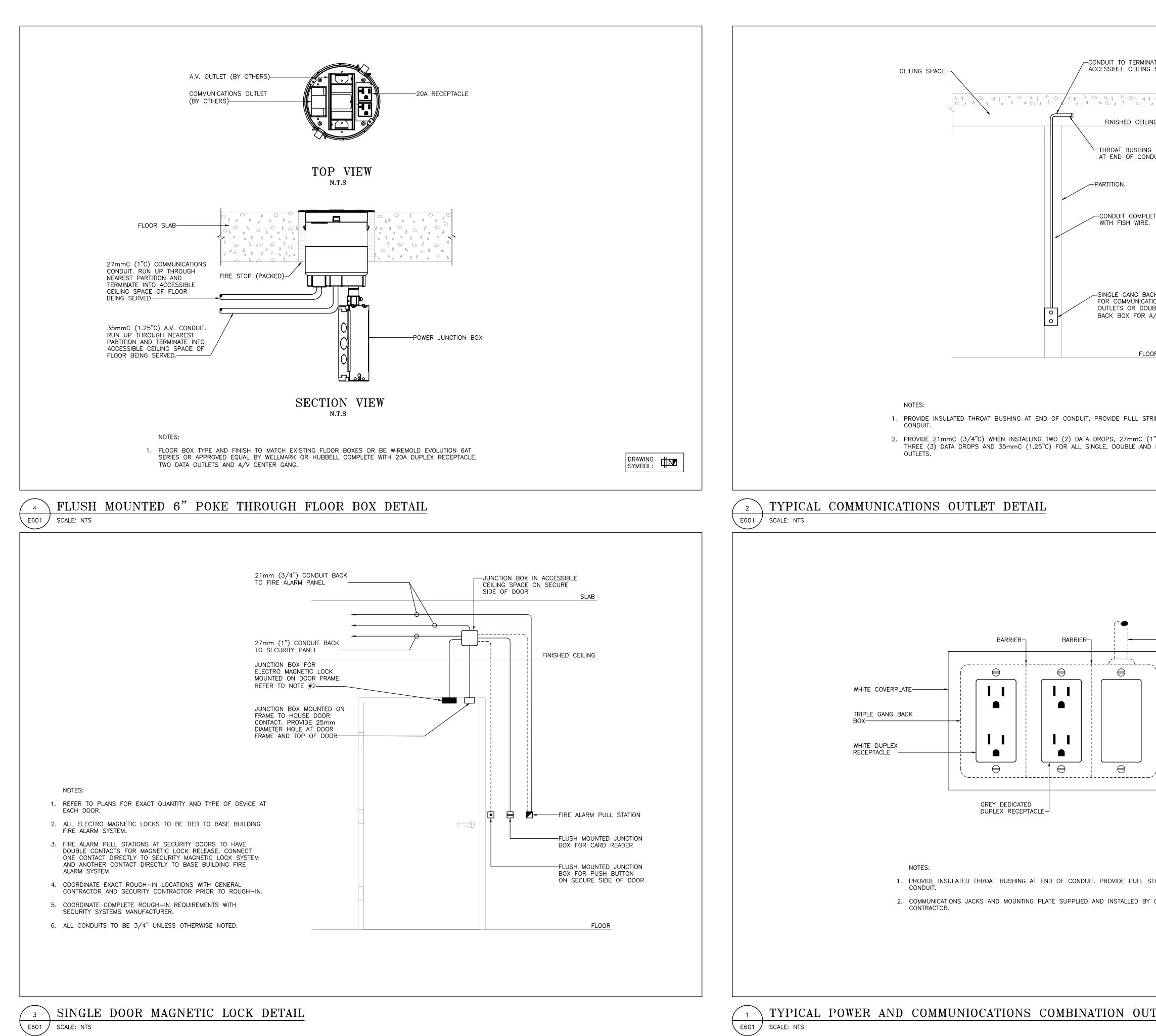
	ELECTRICAL SPECIFICATIONS		
 IRANSFORMERS: 26.6. ALL DRY TYPE TRANSFORMERS MUST COMPLY WITH CSA C22.2 NO. 47, CSA C30, AND CANCSA C802 STANDARDS, AS WELL AS ADHERE TO NRCAN 2019 AND ONTARIO GREEN ACT - ON REG 404.12. THESE TRANSFORMERS MUST BE OF THE SAME MANUFACTURER AS THE EXISTING BUILDING SYSTEM AND MUST HAVE A DESIGN K FACTOR OF 13 AND INCLUDE ELECTROSTATICALLY SHIELDED, COPPER WINDINGS. DOUBLE LUGS TO BE PROVIDED ON TRANSFORMER NEUTRALS TO FACILITATE CABLE CONNECTIONS. "T-TAP" TYPE TRANSFORMERS MUST DO FACILITATE CABLE CONNECTIONS. "T-TAP" TYPE TRANSFORMERS MUST NOT SURPASS 6% AT 170 DEGREES CELSIUS. IN CASE BASE BUILDING STANDARD CANNOT BE WITHLZED. TRANSFORMER IMPEDANCE MUST NOT SURPASS 6% AT 170 DEGREES CELSIUS. IN CASE BASE BUILDING STANDARD CANNOT BE MATCHED, ONE OF THE FOLLOWING MANUFACTURERS' TRANSFORMERS MUST BE FURNISHED: SCHNEIDER HAMMOND DELTA ACME HUBBELL ATLAS REX STI 26.7 TRANSFORMERS TO BE CELLING MOUNTED UP TO 45 KVA UTILIZING SUSPENSION RODS AND SPRING ISOLATORS. TRANSFORMERS SIZED 60 KVA AND ABOVE ARE TO BE FLOOR MOUNTED USING KORFUND ISOLATION PADS, UNLESS OTHERWISE NOTED. 26.8 PROVIDE CONCRETE PADS FOR ALL FLOOR MOUNTED DISTRIBUTION EQUIPMENT INCLUDING TRANSFORMERS, PANELBOARDS, UPS MODULES ETC. CONCRETE PADS TO BE 4" (100mm) TALL, EXTENDING 2" (50mm) ON ALL SIDES WITH BEVELED EDGES. ALL CONCRETE WORK IS TO BE PART OF THIS DIVISION. 26.9. A 4" (100mm) HIGH CONCRETE BASE MUST BE PROVIDED AT ALL SLEEVE LOCCATIONS AND WHEREVER CONDUTIS PENETRATE THE FLOOR SLAB. THIS CONCRETE BASE SHOULD EXTEND 4" (100mm) BEAUTOR THE SUMPSION. 26.10. JUNCTION BOXES AND PULLBOXES TO BE OF WELDED STEEL SUITABLE FOR SURFACE MOUNTING, EQUIPPED WITH FLAT COVERS THAT ARE SECURED USING SCREWS. 26.11. FLUSH-MOUNTED PULL AND JUNCTION BOXES MUST HAVE COVERS THAT EXTEND A MINIMUM OF 1" (27mm) ON ALL SIDES. 26.12. ALL JUNCTION BOXES TO BE INSTALLED IN DISCREET AND ACCESSIBLE LOCATIONS.	 ENSURING THAT ALL MAGLOCKS AUTOMATICALLY RELEASE IN RESPONSE TO A FIRE ALARM. MAGLOCKS MUST RESET VIA A MAGLOCK KEYSWITCH OVERRIDE. COORDINATE WITH BASE BUILDING FIRE ALARM CONTRACTOR FOR PROPER INSTALLATION, PROVIDE ALL ESSENTIAL COMPONENTS TO ENSURE A COMPREHENSIVE AND COMPLETE INSTALLATION. IN CASES WHERE EXISTING MAGLOCK RELEASE/RESET RELAYS ARE LOCATED INT THE FIELD, THEY MUST BE REMOVED AND RELOCATED INTO THE NEAREST DGP PANEL. THE INSTALLATION PROCESS MUST INCLUDE THE EXTENSION OF NEW CONDUIT AND WIRING BACK TO THE MAGLOCK POWER SUPPLY. ENSURE ALL SMOKE DAMPERS ARE LINKED TO THE CLOSEST AVAILABLE 120V LIFE SAFETY EMERGENCY CIRCUIT. TIE DEVICE INTO THE FIRE ALARM SYSTEM, PROVIDE ALL NECESSARY END SWITCHES AND ACCESSORIES FOR EFFECTIVE MONITORING AND CONTROL. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN TO FACILITATE SMOOTH WORKFLOW. PROVIDE THE ELECTRICAL CONSULTANT WITH A DRAWING OUTLINING AUDIBILITY RESULTS THROUGHOUT THE RENOVATED AREA SUPON AUDIBILITY RESULTS THROUGHOUT THE RENOVATED AREA SUPON COMPLETION OF FIRE ALARM AUDIBILITY TESTING. INCLUDE FOR A RE-WISTI TO SITE TO ALLOW FOR ADJUSTMENTS TO SPEAKER TAP SETTINGS AS DIRECTED BY THE CONSULTANT. INCORPORATE ANY RE-VERIFICATION COSTS WITHIN THE TENDER. INCLUDE ALL SPEAKER TAP SETTINGS ON RECORD DRAWINGS. LINE CIRCUIT SYSTEM CONNECTIONS: SYSTEM CONNECTIONS FOR INITIATING AND SIGNALING LINE CIRCUITS MUST BE CLASS "A," AND SIMILARLY, CLASS "A" CONFIGURATION IS MANDATORY FOR NOTIFICATION APPLIANCE CIRCUITS. A NOTIFICATION APPLIANCE CIRCUIT IS A CIRCUIT THAT CARRIES POWER FROM THE CONTROL PANEL TO THE DEVICES THAT WARN POPLE OF DANGER: HORNS, STROBES, BELLS, SPEAKERS, CHIMES ETC. CIRCUIT SUPERVISION AND INDICATED THROUGH A TROUBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL (FACP). THIS INDICATION SHOULD INCLUDE A DISTINCTIVE AUDIBLE TONE AND ALPHANUMERIC ANNUNCLATION. YISUAL DEVICE COMPATIBILITY: 27.0 CIRCUIT FAULTS MUST BE INDICATED THROUGH A TROUBL	 FIRE RATED ASSEMBLY, STOP AND INDEPENDENTLY SUPPORT THE CABLE TRAY IMMEDIATELY ON EACH SIDE OF THE FIRE RATED ASSEMBLY WHILE ALLOWING SUPPORT MORTING ROOM TO PROPERLY INSTALL AND INSPECT THE FIRE RATED MATERIALS AND PENETRATION. 30. LUMINAIRES: 30.1 SUPPLY AND INSTALL ALL LUMINAIRES COMPLETE WITH LAMPS, MOUNTING BRACKETS, BALLASTS, DRIVERS AND ALL NECESSARY EQUIPMENT TO MAKE LUMINAIRES FUNCTION PROPERLY. 30.2 SUPPLY AND INSTALL ALL LUGHTING CONTROL SWITCHES, MODULES, DIMMER SWITCHES (ELV, 0-10Y ETC.), LICHTING RELAYS AND ALL DEVICES, WIRING AND COMPONENTS REQUIRED TO MAKE LUHTING SYSTEM OPERATIONAL AS PER CODE AND AS PER MANUFACTURERS RECOMMENDATIONS. 31. MECHANICAL EQUIPMENT WIRING: 31.1 ALL STARTERS AND CONTROL WIRING TO BE PROVIDED BY MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR TO RECEVE, INSTALL STARTERS AND PROVIDE AND LAND ADD SIDE POWER WIRING ALONG WITH ALL REQUIRED ISOLATION DISCONNECT SWITCHES. 31.2 ELECTRICAL REQUIREMENTS AND EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT TO BE CONFIRMED WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION. 32. INSPECTIONS: 33.6 ELECTRICAL CONTRACTOR SHALL ARRANGE FOR AN ESA INSPECTION OF THE COMPLETE BORK ON BEHALF OF THE CLEAT, AS WELL AS PERFORM ALL NECESSARY REQUIREMENTS FROM ESA AND THE CITY TO MAKE SURE WORK IS DONE UP TO CODE. ELECTRICAL CONTRACTOR TO CONTACT RELIABLE ENGINEERING INC. BEFORE WALLS AND THE CITY TO MAKE SURE WORK ON SEPRESENTATIVE PRIOR TO CLINAGA CONTRACTOR TO CONTACT RELIABLE ENGINEERING INC. BEFORE WALLS AND THE CITY TO MAKE SURE WORK ON SEPRESENTATIVE PRIOR TO CLINAGING TO PERFORM ALL INSPECTION IS IMPERATIVE. CONTACT RELIABLE ENGINEERING INC. AND THE LANDLORD'S REPRESENTATIVE PRIOR TO CEULING STOR TO PERFORM ALLINGS FOR THE CLINAF FOR THE INSPECTION OF THE CANDLORD'S REPRESENTATIVE PRIOR TO CEULING STOR TO PERFORM ALL INSPECTION IS IMPERATIVE. CONTACT RELIABLE ENGINEERING INC. AND THE LANDLORD'S REPRESENTATIVE PRIOR TO CEULING STOR TO PERFORM A	SINGLE GANG WHITE COVERPLATE WHITE DUPLEX RECEPTACLE SINGLE GANG WHITE COVERPLATE SINGLE GANG BACK
 (2) 90 DEGREÉ BENDS BETWEEN ANY TWO ADJACENT PULL BOXES. <u>METERING:</u> 26.14. PROVIDE DIGITAL METERS TO MATCH THE BASE BUILDING STANDARD UNLESS OTHERWISE NOTED. CARRY THE COSTS OF THE BASE BUILDING METERING CONTRACTOR FOR ALL METER INSTALLATIONS. 26.15. PROVIDE ALL REQUIRED POTENTIAL TRANSFORMERS (PT'S), CURRENT TRANSFORMERS (CT'S), REFERENCE VOLTAGES, BREAKERS, CONDUIT, WIRE AND ALL ANCILLARY DEVICES REQUIRED FOR A COMPLETE INSTALLATION AS PER THE MANUFACTURER'S RECOMMENDATIONS. <u>OUTLET BOXES:</u> 26.16. OUTLET BOXES MUST BE MADE OF ELECTRO-GALVANIZED STEEL AND SIZED ACCORDING TO THE RELEVANT CODE. 26.17. EVERY LIGHT SWITCH, RECEPTACLE, COMMUNICATION PORT, AND OTHER SIMILAR OUTLET MUST HAVE AN ASSOCIATED OUTLET BOX. ENSURE PRECISE AND PLUMB INSTALLATION. DIMMING SWITCHES TO BE EQUIPPED WITH 3" (76mm) DEEP 1004 BOXES. 	 OR TRIM RINGS. THE V/O APPLIANCES MUST BE PROVIDED WITH DIFFERENT MINIMUM ADJUSTABLE FLASH INTENSITIES OF 15CD, 30CD, 75CD, AND 110CD. PROVIDE A LABEL INSIDE THE STROBE LENS INDICATING THE LISTED CANDELA RATING OF THE SPECIFIC V/O DEVICE. FOR LOCATIONS WHERE MULTIPLE STROBES AND REFLECTIONS ARE VISIBLE, PROVIDE STROBE FLASH SYNCHRONIZATION. QUANTITY, SPACING, AND CANDELA DESIGN OF VISUAL SIGNALS MUST COMPLY WITH THE CAN/ULC S524 STANDARD FOR FIRE ALARM SYSTEM INSTALLATIONS, SECTION 5.4. 27.10. AN INDEPENDENT THIRD PARTY FIRE ALARM VERIFICATION IS TO BE CONDUCTED UPON THE INSTALLATION OF THE FIRE ALARM SYSTEM AND IN CONJUNCTION WITH THE FIRE ALARM MANUFACTURERS VERIFICATION AS PER CAN/ULC-S537. SEPARATE FIRE ALARM VERIFICATION REPORTS TO BE SUBMITED TO THE COMMISSIONING AGENT AND THE ELECTRICAL ENGINEER FOR REVIEW AND APPROVAL. SUBMIT CERTIFICATE OF VERIFICATION OF FIRE ALARM SYSTEM TO LANDLORD ONCE APPROVED AND INCLUDE A COPY IN THE MAINTENANCE MANUAL. 27.11.MEASURE THE DECIBEL LEVEL (dBA) AND INTELLIGIBILITY LEVEL (CIS) 		BOX WHITE DUPLEX RECEPTACLE
ADJUST ALL OUTLET BOXES TO SUIT THEIR SPECIFIC LOCATIONS AND PROVIDE INDEPENDENT SUPPORT, AVOIDING RELIANCE ON THE CONDUIT. AVOID USING CADDIE CLIPS WITH CEILING HANGERS. SUPPLY BLANK COVER PLATES FOR BOXES THAT DO NOT CONTAIN ANY WIRING DEVICES. AVOID INSTALLING OUTLET BOXES BACK TO BACK WITHIN PARTITIONS. IMPLEMENT AN ALTERNATING PATTERN TO MINIMIZE SOUND TRANSFER. UTILIZE "FS" OR "FD" FERALOY BOXES FOR ALL SURFACE-MOUNTED DEVICES, INCLUDING FIRE ALARM, SECURITY, AND AUXILIARY SYSTEMS. WHEN MULTIPLE OUTLET BOXES ARE IN CLOSE PROXIMITY, THEY MUST BE GROUPED TOGETHER UNDER THE SAME COVER PLATE UNLESS OTHERWISE NOTED. BREAKERS AND FUSES: ALL BREAKERS (NEW AND EXISTING) SERVING EXIT LIGHTS, EMERGENCY LIGHTING AND EMERGENCY BATTERY PACKS TO BE PROVIDED WITH BREAKER LOCKS.	 PRIOR TO THE INSPECTION BY AUTHORITIES HAVING JURISDICTION (AHJ), AND ENSURE READINGS COMPLY WITH LATEST OBC STANDARDS. AUDIBILITY TESTING SHALL OCCUR AFTER ALL CEILINGS, WALLS AND FLOOR FINISHES ARE SUBSTANTIALLY COMPLETE AND REFLECTIVE OF THE FINAL ACOUSTICAL CONDITION. PLOT ALL READINGS IN CAD AND PDF DRAWING FOR REVIEW BY THE CONSULTANT. SUBMIT RESULTS TO THE AHJ IF REQUIRED. 27.12. PROVIDE INDEPENDENT 3RD PARTY VERIFICATION AND COMMISSIONING OF ALL LIFE SAFETY SYSTEMS INCLUDING EXIT LIGHTING, EMERGENCY LIGHTING AND OTHER LIFE SAFETY SYSTEMS. SUBMIT SEPARATE REPORTS TO THE CONSULTANT AND COMMISSIONING AGENT FOR REVIEW. INCLUDE COPY OF THE REPORT IN THE OPERATIONS AND MAINTENANCE MANUAL. 28. COMMUNICATION CABLING RACEWAY SYSTEM INCLUDING BUT NOT LIMITED TO FISH WIRES, OUTLET BOXES, PULL BOXES, COVER PLATES, CONDUITS, SERVICE POLES AND ALL MISCELLANEOUS ITEMS REQUIRED TO MAKE A COMPLETE SYSTEM. 28.2. VERIFY LOCATIONS OF OUTLETS WITH CONSULTANT TO SUIT FURNITURE 		COVERPLATE SINGLE GANG BACK BOX WHITE DUPLEX RECEPTACLE
 BREAKER LOCKS. BREAKER LOCKS. BREAKER LOCKS. BREAKER LOCKS. BREAKER FOR ALL SPLIT RECEPTACLES INSTALLED WITHIN 59" (1.5m) OF SINKS, SHOWERS, OR SIMILAR FIXTURES. BREAKER FOR ALL SPLIT RECEPTACLES INSTALLED WITHIN 59" (1.5m) OF SINKS, SHOWERS, OR SIMILAR FIXTURES. BREAKER FOR ALL SPLIT RECEPTACLES INSTALLED WITHIN 59" (1.5m) OF SINKS, SHOWERS, OR SIMILAR FIXTURES. BREAKER FOR ALL SPLIT RECEPTACLES INSTALLED WITHIN 59" (1.5m) OF SINKS, SHOWERS, OR SIMILAR FIXTURES. BREAKER FOR ALL SPLIT RECEPTACLES INSTALLED WITHIN 59" (1.5m) OF SINKS, SHOWERS, OR SIMILAR FIXTURES. BREAKER FOR ALL SPLIT RECEPTACLES INSTALLED WITHIN 59" (1.5m) OF SINKS, SHOWERS, OR SIMILAR FIXTURES. BREAKER FOR ALL SPLIT RECEPTACLES INSTALLED WITHIN 59" (1.5m) OF SINKS, SHOWERS, NUST BE UTILIZED. BREAKER FOR A MINIMUM OF 10 SECONDS. FUSES FOR UP TO AND INCLUDING 600 AMPS MUST BE CLASS J FUSES. BAUST BE CLASS L FUSES. BE FAST-ACTING. USE CLASS J FUSES FOR UP TO AND INCLUDING 600 AMPS, AND CLASS L FUSES FOR RATINGS ABOVE 600 AMPS. FIRE ALARM AND VOICE COMMUNICATIONS SYSTEM: INITIATING DEVICES: INITIATING DEVICES TO MATCH BASE BUILDING STANDARDS. COORDINATE INSTALLATION WITH BASE BUILDING FIRE ALARM CONTRACTOR AND PROVIDE ALL COMPONENTS AND PARTS NECESSARY FOR THE INSTALLATION WITH BASE BUILDING FIRE ALARM CONTRACTOR AND PROVIDE ALL COMPONENTS AND PARTS NECESSARY FOR THE INSTALLATION OF A COMPLETE SYSTEM. T. FIRE ALARM PULL STATIONS MUST BE MOUNTED SO THAT THE CENTER OF THE DEVICE IS LOCATED AT 1200MM (47 INCHES) ABOVE THE FINISHED FLOOR, AND NO MORE THAN 600MM (23 INCHES) AWAY FROM THE DOOR LATCH. IN CASES WHERE FIRE ALARM PULL STATIONS ARE BEING REMOVED AND RELOCATED, IT IS IMPERATIVE TO ENSURE THEIR REINSTALLATION ADHERES STRICTLY TO THE AFOREMENTIONED DIMENSIONAL SPECIFICATIONS. ROVIDE TIE-IN TO BASE BUILDING MAGLOCK RISER ON EACH FLOOR, 	 VEINT EJECTIONS OF OUTELTS WITH CONSULTANT TO SUIT FORMUTICKE LAYOUT. FISH CONDUITS, CLEAR BLOCKAGES AND CLEAN OUT PULL BOXES AT COMPLETION OF INSTALLATION. ENSURE CONDUITS ARE FREE OF WATER AND MOISTURE AND INSTALL PULL CORD CONTINUOUSLY FROM OUTLET TO OUTLET THROUGH CONDUITS AND FASTEN AT EACH BOX. ENSURE CONDUIT BENDS HAVE BENDING RADIUS OF NOT LESS THAN TEN (10) TIMES THE CONDUIT DIAMETER. REAM OUT CONDUITS AND IDENTIFY END WITH GREEN PAINT. PROVIDE STEEL PULL BOXES SUCH THAT WITHIN THE ENTIRE SYSTEM, THERE IS NOT MORE THAN TWO (2) 90 DEGREE BENDS OR MORE THAN 100 FEET IN EACH RUN, SUCH THAT WIRES AND CABLES CAN BE PULLED WITH REASONABLE EASE. PULL BOXES MUST NOT BE USED AS 90 DEGREE BENDS. SEALING AND FIRE PROTECTION: MAINTAIN INTEGRITY OF FIRE RATING AROUND ELECTRICAL CONDUITS, RACEWAYS AND CABLES PASSING THROUGH FIRE RATED PARTITIONS, WALLS AND FLOORS BY PROVIDING FIRE SALED PENETRATIONS. ALL MATERIALS USED TO MAINTAIN FIRE RATING MUST BE CAN/ULC RATED AND MUST HAVE A MINIMUM FIRE RATING MUST BE CAN/ULC RATED AND MUST HAVE A MINIMUM FIRE RATION OF TWO (2) HOURS. WHERE WIRING IS SET TO PENETRATE A FIRE RATED ASSEMBLY IT MUST BE ENCLOSED IN NON-COMBUSTIBLE CONDUIT. ENSURE CONDUIT, SEALED AND FIRE RATED IN A WAY THAT MAINTAINS THE FIRE RATING OF THE SURFACE BEING PENETRATED. WHERE SINGLE CONDUCTOR METAL SHEATHED CABLES ARE USED TO PENETRATE A FIRE RATED ASSEMBLY, ENSURE CABLES ARE ARRANCED TO INDIVIDUALLY PRETERTE THE FIRE RATED ASSEMBLY AND ARE INDIVIDUALLY FIRE STOPPED. WHERE WIRING IS INSTALLED IN CABLE TRAYS AND MUST PENETRATE A INDIVIDUALLY FIRE STOPPED. 		NOTES: 1. PROVIDE INSULATED THROAT BUSHING AT END CONDUIT. 2. PROVIDE 4" SQUARE DEEP BOX FOR AUDIO VIS INSULATED BUSHING AT END OF CONDUIT. AUD AUDIO VISUAL COVER PLATE, MOUNTING PLATES











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CK BOX IONS JBLE GANG A/V OUTLETS.		Ź	138 ROYL VAUGHAN, 647-885-9374	VIEW CRES ON L4H 21 info@reir		LIABI GINE :		G	
RINGS IN ALL EMPTY									
1"C) WHEN INSTALLING FOUR GANG A/V									
		no. date REVISION		y	description				
21MM (3/4") CONDUIT UP TO ACCESSIBLE CEILING SPACE. REFER TO NOTE #1		02 I 2A		AA AA		FOR F	PERMI	Γ	
COMMUNICATIONS OUTLET REFER TO NOTE #2			PROFESS/C K.H.K.AL-AN 10021647 16/8/2024						
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