



GRGURIC
ARCHITECTS
INCORPORATED


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DRAWING LIST:

ARCHITECTURAL

A0.00 COVER SHEET
A1.00 DEMOLITION FLOOR PLAN AND RCP
A1.10 PROPOSED FLOOR PLAN AND RCP

MECHANICAL

M100 MECHANICAL SPECIFICATIONS AND KEY PLAN
M101 MECHANICAL SPECIFICATIONS AND SCHEDULES
M200 MECHANICAL DEMOLITION
M201 MECHANICAL NEW CONSTRUCTION

ELECTRICAL

E100 ELECTRICAL SPECIFICATION AND KEY PLAN
E101 ELECTRICAL DETAILS, NOTES AND LEGEND
E200 RCP ELECTRICAL DEMOLITION
E201 RCP ELECTRICAL NEW CONSTRUCTION
E202 ELECTRICAL POWER AND FIRE ALARM LAYOUT DEMOLITION
E203 ELECTRICAL POWER AND FIRE ALARM LAYOUT NEW CONSTRUCTION

OAKVILLE TOWN HALL FINANCE SPACE RENOVATION

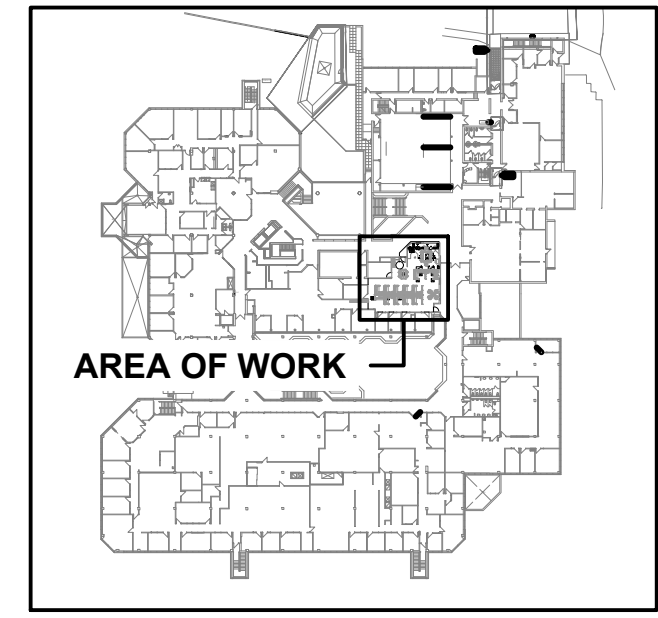
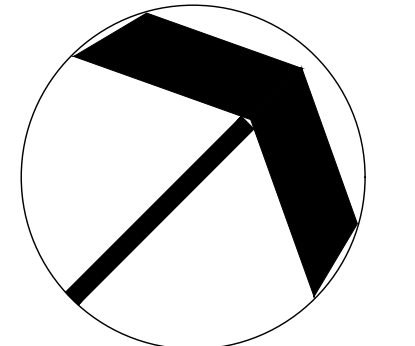
1225 TRAFALGAR RD, OAKVILLE, ON. L6H 0H3

PROJECT NUMBER

2024-08

SHEET NUMBER

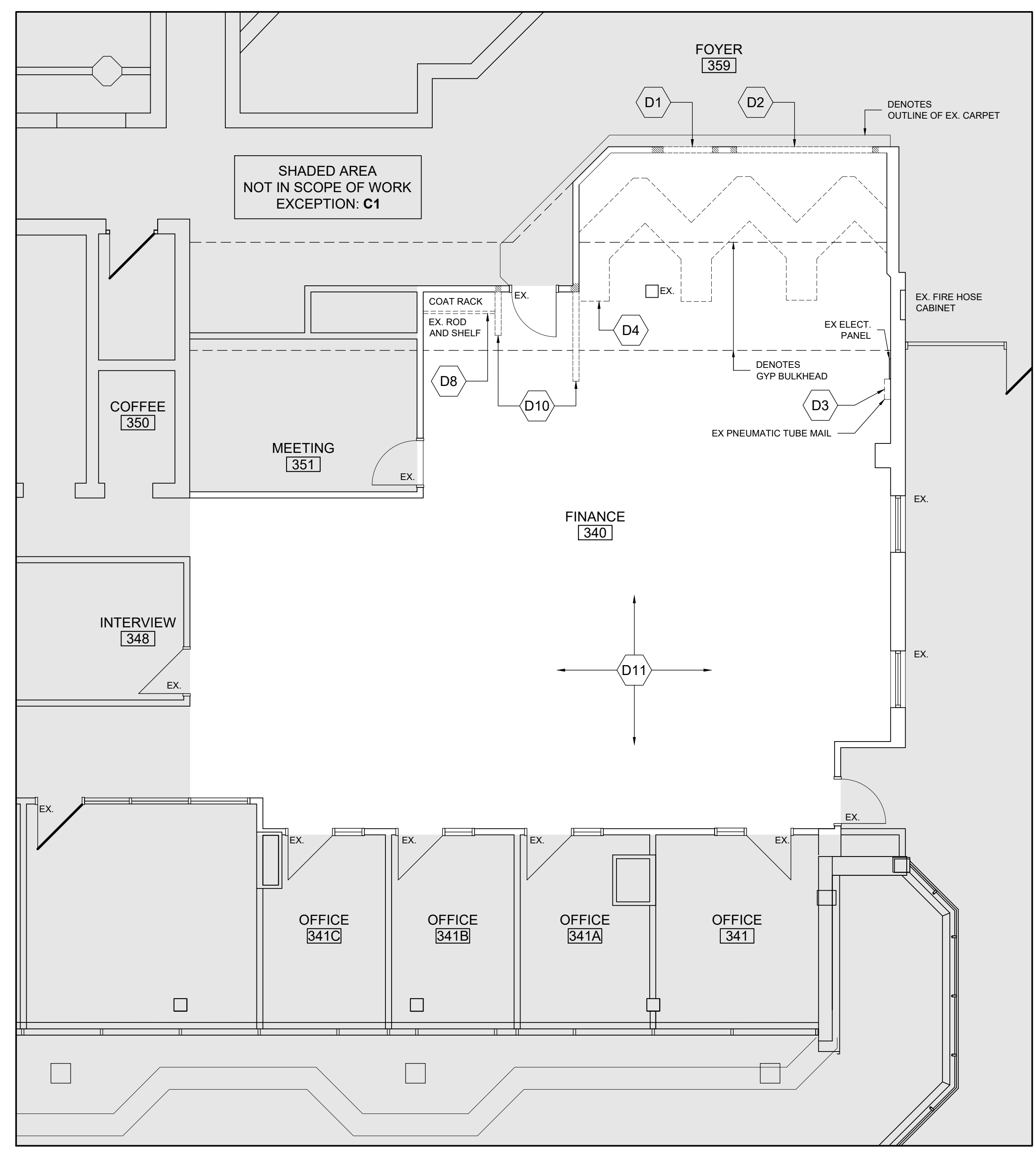
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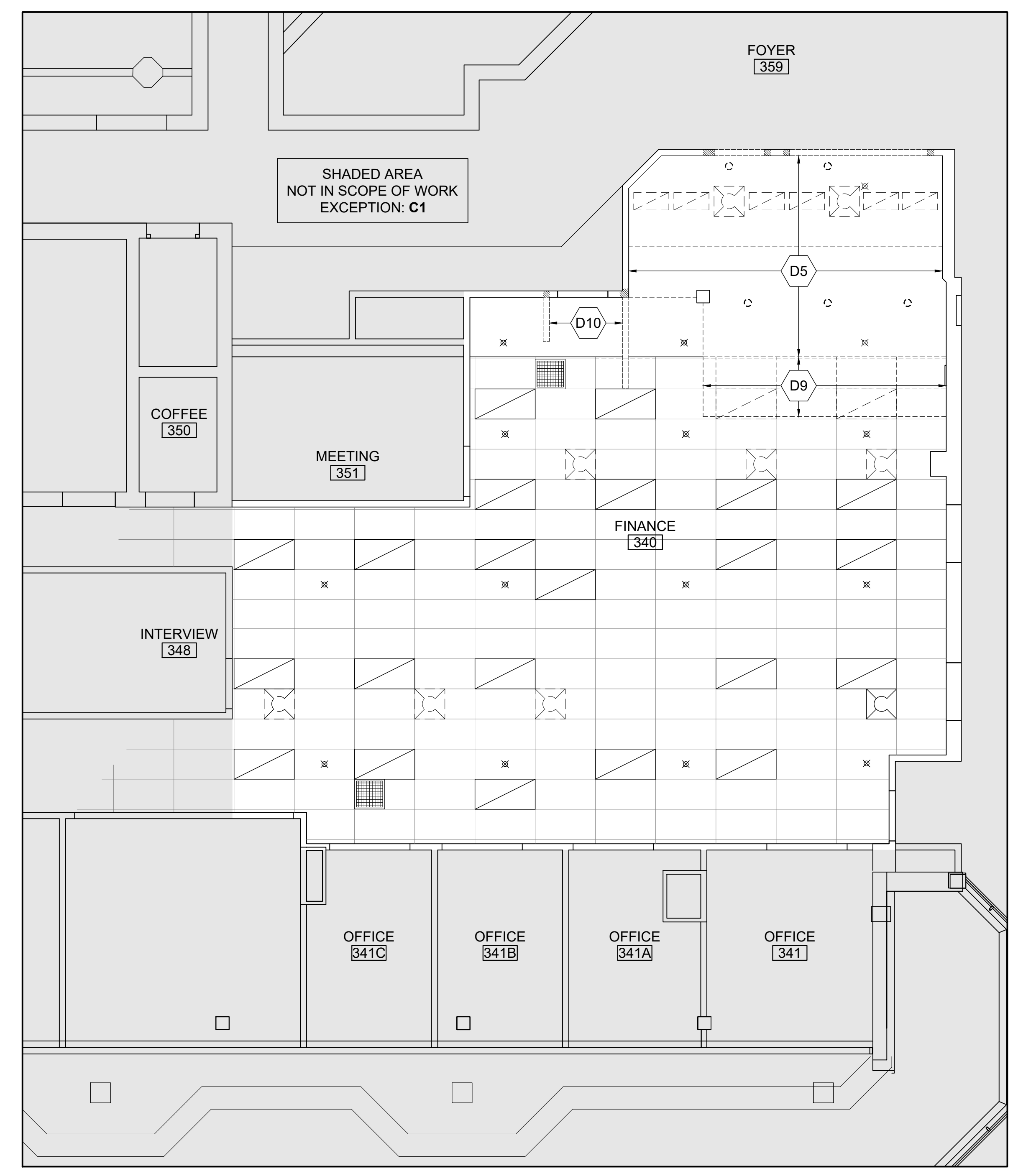
KEY PLAN - 2ND FLOOR

LEGEND

ACT	ACOUSTIC CEILING TILE
GYP	GYPSUM
EX	EXISTING ITEM
US	UNDERSIDE



1 PARTIAL FLOOR PLAN - DEMOLITION
SCALE: 3/16"=1'-0"



2 PARTIAL REFLECTED CEILING PLAN - DEMOLITION
SCALE: 3/16"=1'-0"

GENERAL NOTES

- FIELD VERIFY ALL DIMENSIONS.
- CAUSE NO DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. TAKE CARE NOT TO ENCRoACH ON ADJACENT OCCUPIED AREAS OR AREAS NOT WITHIN THE SCOPE OF WORK. PROTECT ALL EXISTING FINISHES, DOORS, FRAMES, ETC. WHICH ARE TO REMAIN. PATCH AND MAKE GOOD ALL EXISTING ADJACENT SURFACES FINISHES & MATERIALS WHERE DISTURBED BY NEW CONSTRUCTION.
- TRANSITIONS BETWEEN NEW AND EXISTING FINISHES TO BE MADE SMOOTH AND CONTINUOUS.
- MECH. AND ELECT. ITEMS SHOWN, I.E. LIGHT FIXTURES, DUCTWORK, ETC. ARE FOR REFERENCE ONLY. REFER TO ELECTRICAL FOR ALL RELATED WORK REQUIRED.

DEMOLITION NOTES

- D1** CUT OUT NEW OPENING IN EXISTING INTERIOR PARTITION TO SUIT NEW DOOR REINFORCE BULKHEAD AS REQUIRED. PATCH AND MAKE GOOD ALL ADJACENT SURFACES, MATERIALS AND FINISHES.
- D2** CUT OUT NEW OPENING IN EXISTING INTERIOR PARTITION TO SUIT NEW WINDOW, REINFORCE BULKHEAD AS REQUIRED. PATCH AND MAKE GOOD ALL ADJACENT SURFACES, MATERIALS AND FINISHES.
- D3** REMOVE PNEUMATIC TUBE MAIL BOX TERMINATE AND SEAL 3" TUBE PATCH AND MAKE GOOD ALL ADJACENT SURFACES, MATERIALS AND FINISHES.
- D4** REMOVE AND DISCARD EXISTING MILLWORK CASHIERS COUNTER IN ITS ENTIRETY PATCH AND MAKE GOOD ALL SURFACES, MATERIALS AND FINISHES.
- D5** REMOVE AND DISCARD EX. GYP. CEILING PATCH AND MAKE GOOD ALL ADJACENT SURFACES, MATERIALS AND FINISHES.
- D6** REMOVE & DISCARD EXISTING LIGHT FIXTURES REFER TO GRAPHIC LEGEND REFER TO ELECTRICAL DRAWINGS
- D7** REMOVE & DISCARD HVAC DIFFUSERS REFER TO GRAPHIC LEGEND REFER TO MECHANICAL DRAWINGS
- D8** REMOVE & DISCARD EX COAT RACK PATCH AND MAKE GOOD ALL ADJACENT SURFACES, MATERIALS AND FINISHES
- D9** REMOVE AND DISCARD EX. ACT. CEILING PATCH AND MAKE GOOD ALL ADJACENT SURFACES, MATERIALS AND FINISHES.
- D10** REMOVE EXISTING PARTITION TO THE UNDERSIDE OF STRUCTURE. PATCH AND MAKE GOOD ALL ADJACENT SURFACES, FINISHES AND MATERIALS.
- PROVISIONAL ITEM NO. 1:** REMOVE AND DISCARD EXISTING CARPET FLOORING AND RB WITHIN NOTED AREA OF WORK GRIND CONCRETE FLOORS AND MAKE READY TO RECEIVE NEW FINISH

GRAPHIC RCP LEGEND

- REMOVED LIGHT FIXTURE
- REMOVED POT LIGHT
- 2x4' LIGHT FIXTURE
- 1x4' LIGHT FIXTURE
- NEW POT LIGHT
- REMOVED SUPPLY DIFFUSER
- AIR SUPPLY DIFFUSER
- SPRINKLER HEAD
- EX R/A GRILLE
- NEW RETURN AIR GRILLE

REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ACTUAL FIXTURE TYPES

MECHANICAL AND ELECTRICAL ITEMS SHOWN, I.E. DUCTWORK, LIGHT FIXTURES, ETC. ARE FOR REFERENCE ONLY AND ARE NOT INCLUSIVE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL RELATED WORK.

4	RE-ISSUED FOR TENDER	24-07-09
3	ISSUED FOR PERMIT	24-06-10
2	ISSUED FOR TENDER	24-06-10
1	ISSUED FOR CLIENT REVIEW	24-05-30

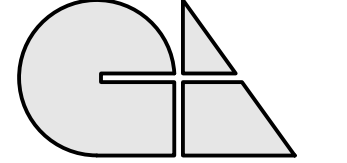
NO	REVISIONS	DATE

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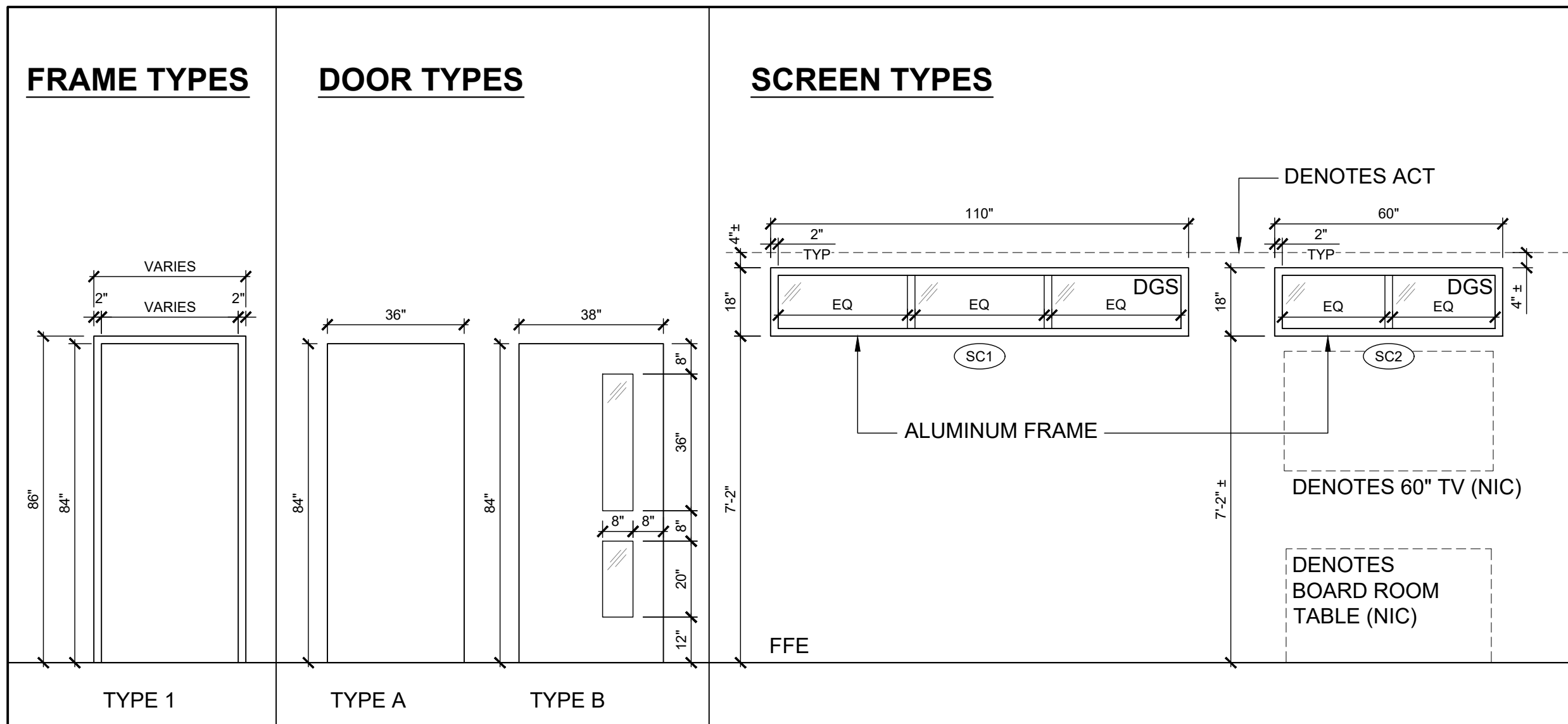
**DEMOLITION
FLOOR PLAN AND RCP**

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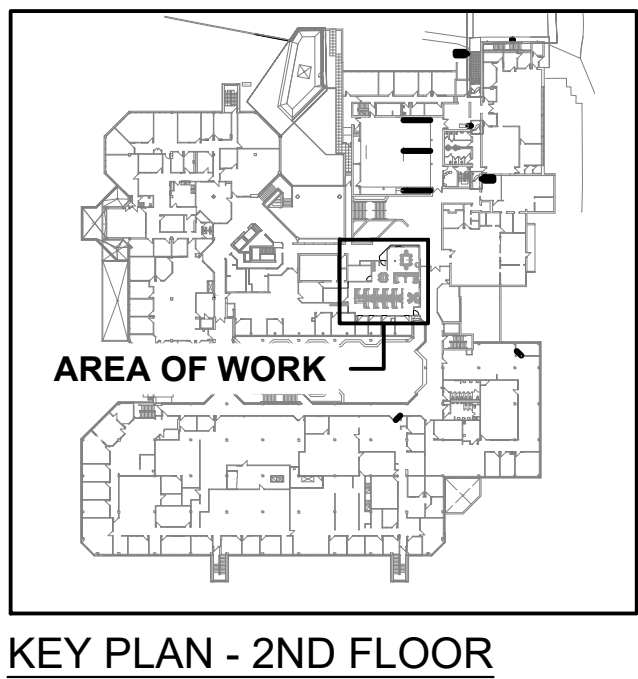
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SCALE:	PROJECT:
AS NOTED	2024-08
START DATE:	MAY 2024
DRAWN:	DRAWING:
AH	A1.00
CHECKED:	J.G.
PRINT DATE:	07/09/24

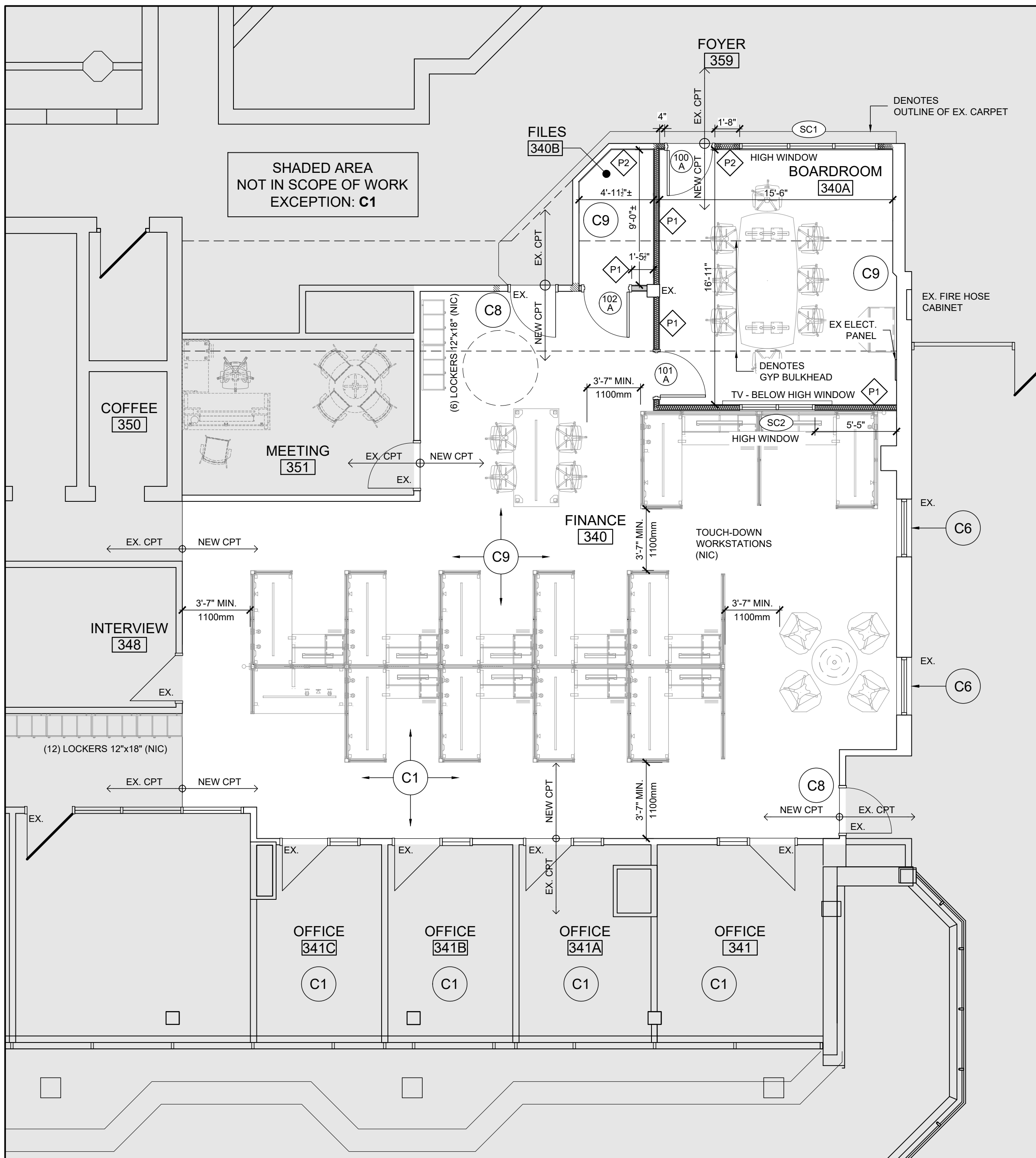


DOOR SCHEDULE															
ROOM NAME	DOOR NO.	DOORS							FRAMES				PANIC BAR	DOOR CLOSER	REMARKS
		WIDTH	HEIGHT	THK.	FIRE (MIN)	TYPE	MAT'L	FINISH	TYPE	MAT'L	FINISH	GLASS			
BOARDROOM	100 A	3'-2"	7'-0"	1-3/4"	-	B	HM	PAINT	1	HM	PAINT	TG	-	YES	CL, OHS
BOARDROOM	101 A	3'-2"	7'-0"	1-3/4"	-	B	HM	PAINT	1	HM	PAINT	TG	-	-	-
FILES	102 A	3'-0"	7'-0"	1-3/4"	-	A	HM	PAINT	1	HM	PAINT	-	-	-	-

ROOM FINISH SCHEDULE										
ROOM NO.	ROOM NAME	FLOOR FINISH	BASE	WALL		CEILING			REMARKS	
				MAT'L	FINISH	MAT'L	FINISH	HEIGHT		
GROUND FLOOR										
340	FINANCE	CPT	RB	EX. / NEW GYP.		PAINT	EX. ACT	EX.	9'-0"±	
340 A	BOARDROOM	CPT	RB	EX. / NEW GYP.		PAINT	ACT / GYP	ACT-1 / PAINT	VARIES	REFERTO BH-1 FOR HEIGHTS
340 B	FILES	CPT	RB	EX. / NEW GYP.		PAINT	ACT / GYP	ACT-1 / PAINT	VARIES	REFERTO BH-1 FOR HEIGHTS
341	OFFICE	EX.	EX.	EX. GYP.		PAINT	EX.	EX.	EX.	
341A	OFFICE	EX.	EX.	EX. GYP.		PAINT	EX.	EX.	EX.	
341B	OFFICE	EX.	EX.	EX. GYP.		PAINT	EX.	EX.	EX.	
341C	OFFICE	EX.	EX.	EX. GYP.		PAINT	EX.	EX.	EX.	



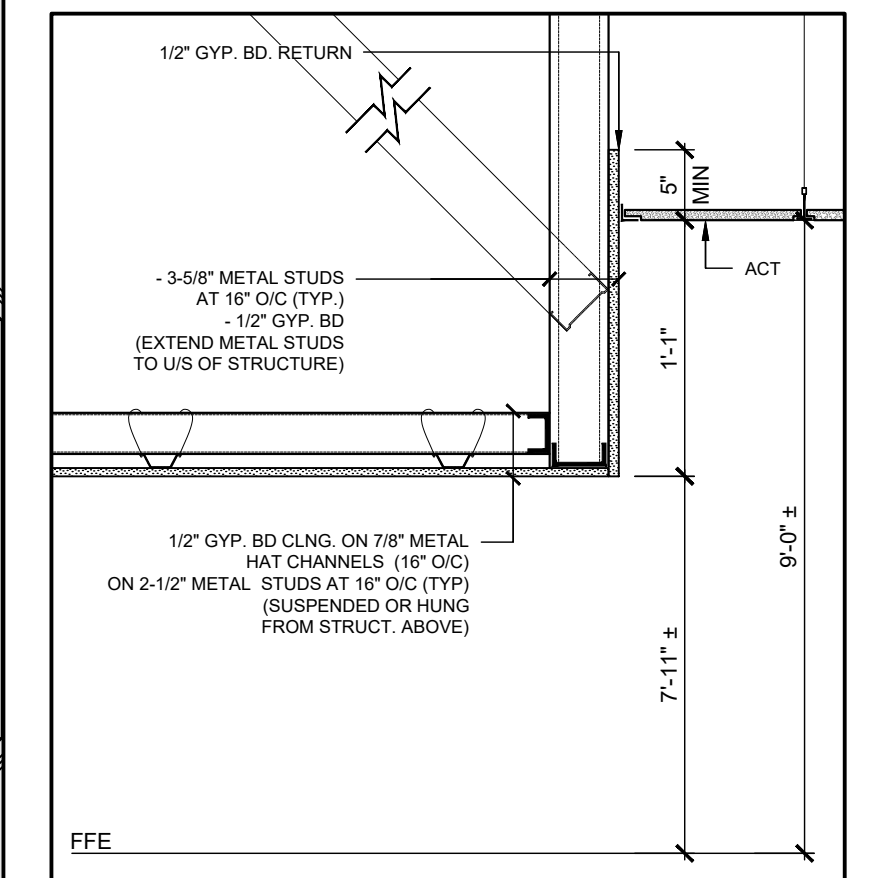
LEGEND		
ACT	ACOUSTIC CEILING TILE	
BD	BOARD	
BH-#	BULK HEAD	
CG	CORNER GUARD	
CPT	CARPET TILE	
DGS	DOUBLE GLAZED SEALED INSULATING UNITS	
EQ	EQUAL	
EX	EXISTING ITEM	
FFE	FLOOR FINISH ELEVATION	
GYP	GYPSUM	
NIC	NOT IN CONTRACT	
RB	RUBBER BASE	
TYP	TYPICAL	
US	UNDERSIDE	



- GENERAL NOTES**
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- CONSTRUCTION NOTES**
- C1 PREPARE EXISTING GYPSUM BOARD PARTITIONS TO RECEIVE NEW PAINT PATCH AND REPAIR GYPSUM BOARD CEILING AT REMOVED PARTITIONS PAINT ALL PARTITIONS WITHIN NOTED AREA OF WORK
 - C2 MODIFY EXISTING ACT. AS REQUIRED TO SUIT NEW LAYOUT PATCH AND REPAIR AS REQUIRED AT REMOVED PARTITIONS REINFORCE T-BARS CEILING GRID AS NEEDED
 - C3 INSTALL NEW ACT CEILING. REFER TO DRAWINGS FOR EXTENTS REFER TO ELECTRICAL AND MECHANICAL DRAWINGS
 - C4 INSTALL NEW GYP CEILING. REFER TO DRAWINGS FOR EXTENTS REFER TO BH-1 DETAIL REFER TO ELECTRICAL AND MECHANICAL DRAWINGS
 - C5 PATCH AND MAKE GOOD BEFORE PAINTING ALL EX. GYPSUM BOARD WALLS AT REMOVED DEVICES, CORNER GUARDS, SHELVES, BOARDS, ETC.
 - C6 APPLY PRIVACY FILM ON EXISTING WINDOW PATTERN BY ARCHITECT
 - C7 ALLOW FOR 10% OF ACT TO BE REPLACED. MATCH EX
 - C8 PAINT EXISTING DOOR. MATCH EX
 - C9 **PROVISIONAL ITEM NO. 1:** INSTALL NEW CPT TO MATCH EX WITHIN NOTED AREA OF WORK C/W NEW RUBBER BASE TO MATCH EX.
 - C10 PATCH AND MAKE GOOD EX GYPSUM BOARD CEILING AT REMOVED PARTITION PAINT TO MATCH EX

INTERIOR WALL PARTITION TYPES		
NO.	DESCRIPTION	REMARKS
P1	- 5/8" GYPSUM BOARD - 2x4" METAL STUD @ 16" O/C - SOUND BATT FILLED INSULATION - ROXUL WHERE SHOWN - 5/8" GYPSUM BOARD	PARTITIONS TO EXTEND TO US OF STRUCTURE ABOVE.
P2	- EX GYPSUM BOARD ON CORRIDOR SIDE - EX METAL STUD NEW - SOUND BATT FILLED INSULATION - ROXUL WHERE SHOWN - 5/8" GYPSUM BOARD ON BOARDROOM & FILE ROOM SIDE	



1
PARTIAL FLOOR PLAN
SCALE: 3/16":1'-0"

2
PARTIAL REFLECTED CEILING PLAN
SCALE: 3/16":1'-0"

**OAKVILLE TOWN HALL
FINANCE SPACE
RENOVATION**
1225 TRAFALGAR RD
OAKVILLE, ON. L6H 0H3

**PROPOSED
FLOOR PLAN AND RCP**

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SCALE: AS NOTED	PROJECT: 2024-08
START DATE: MAY 2024	
DRAWN: AH	DRAWING: A1.10
CHECKED: J.G.	
PRINT DATE: 07/09/24	

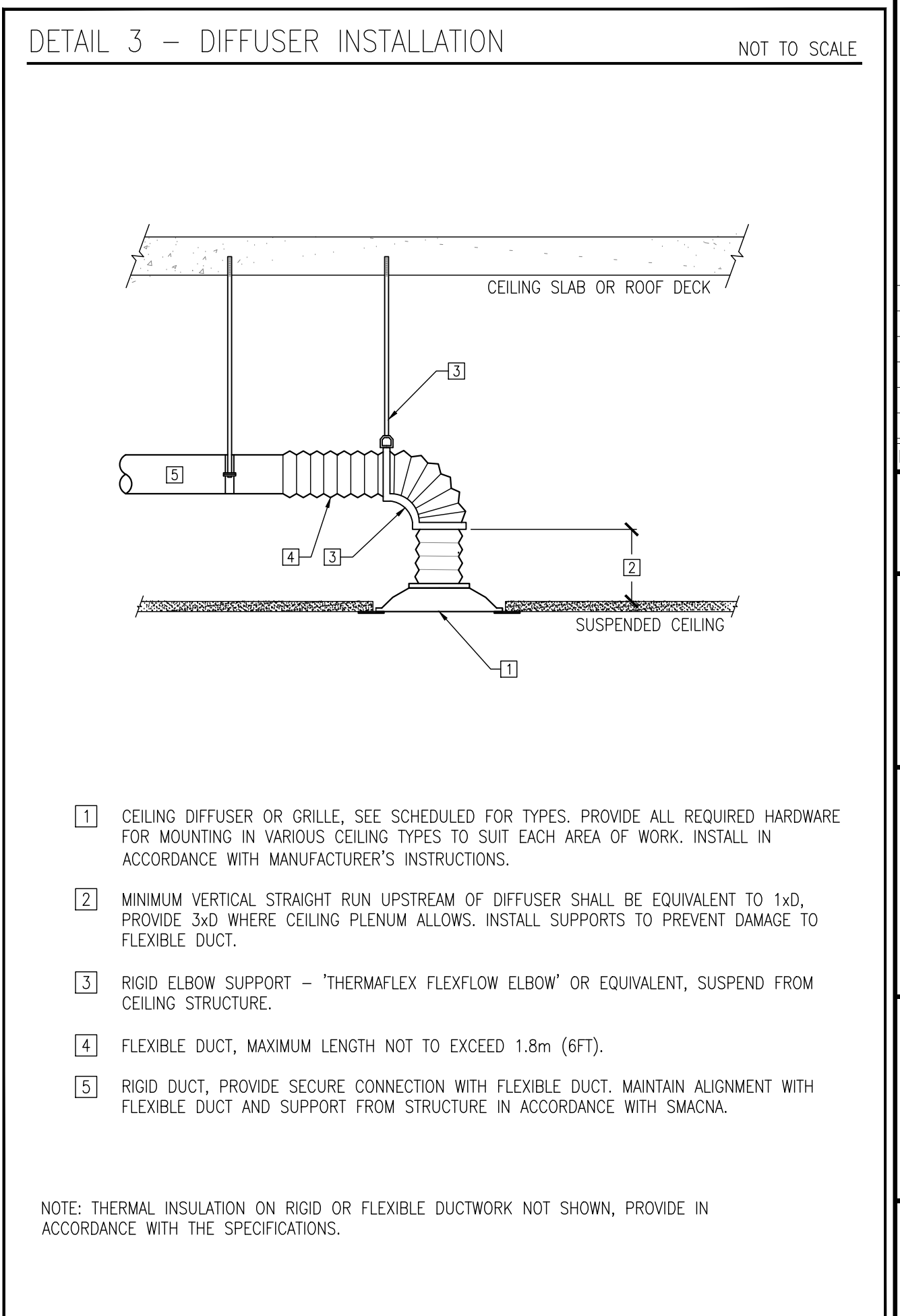
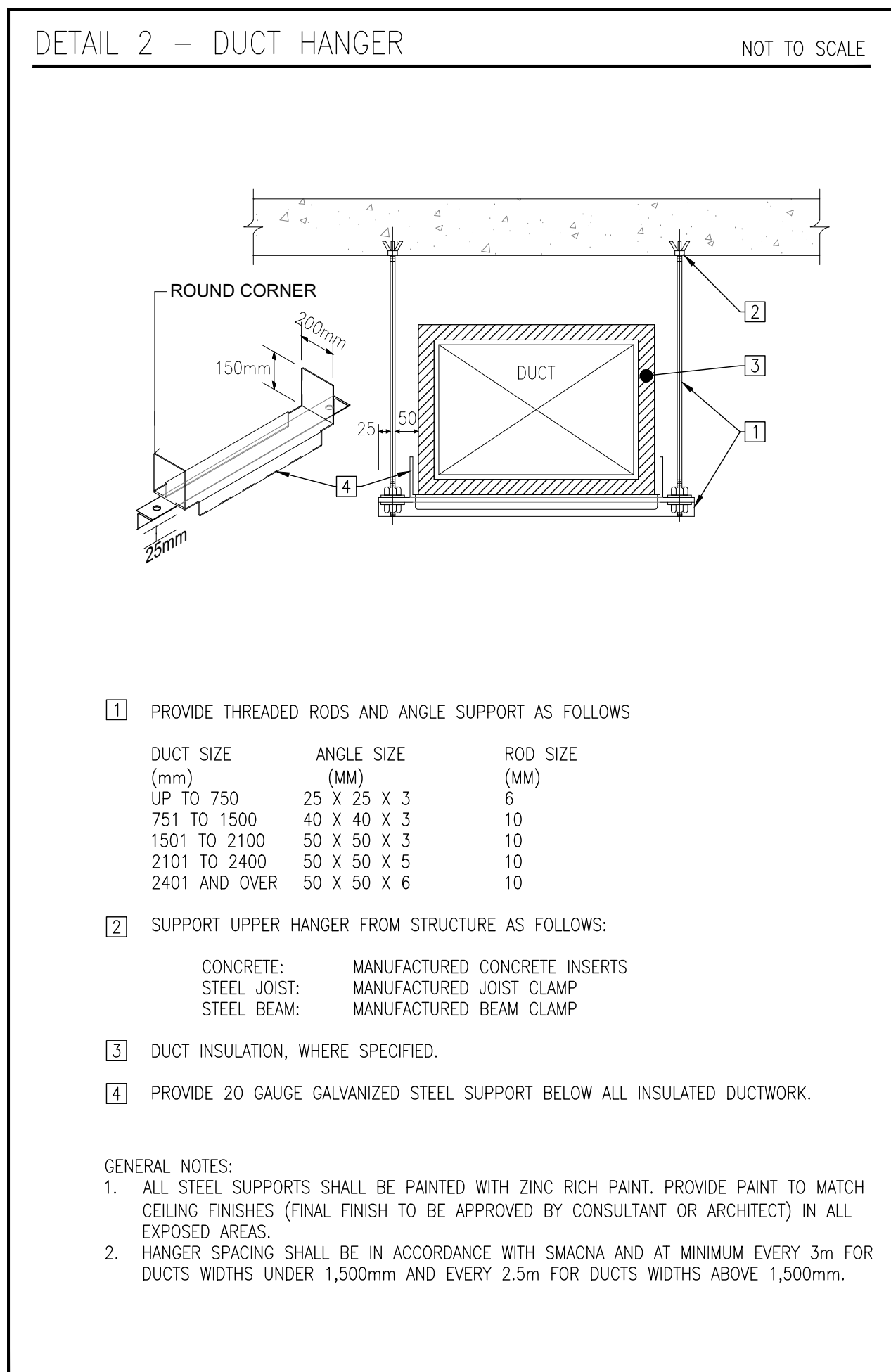
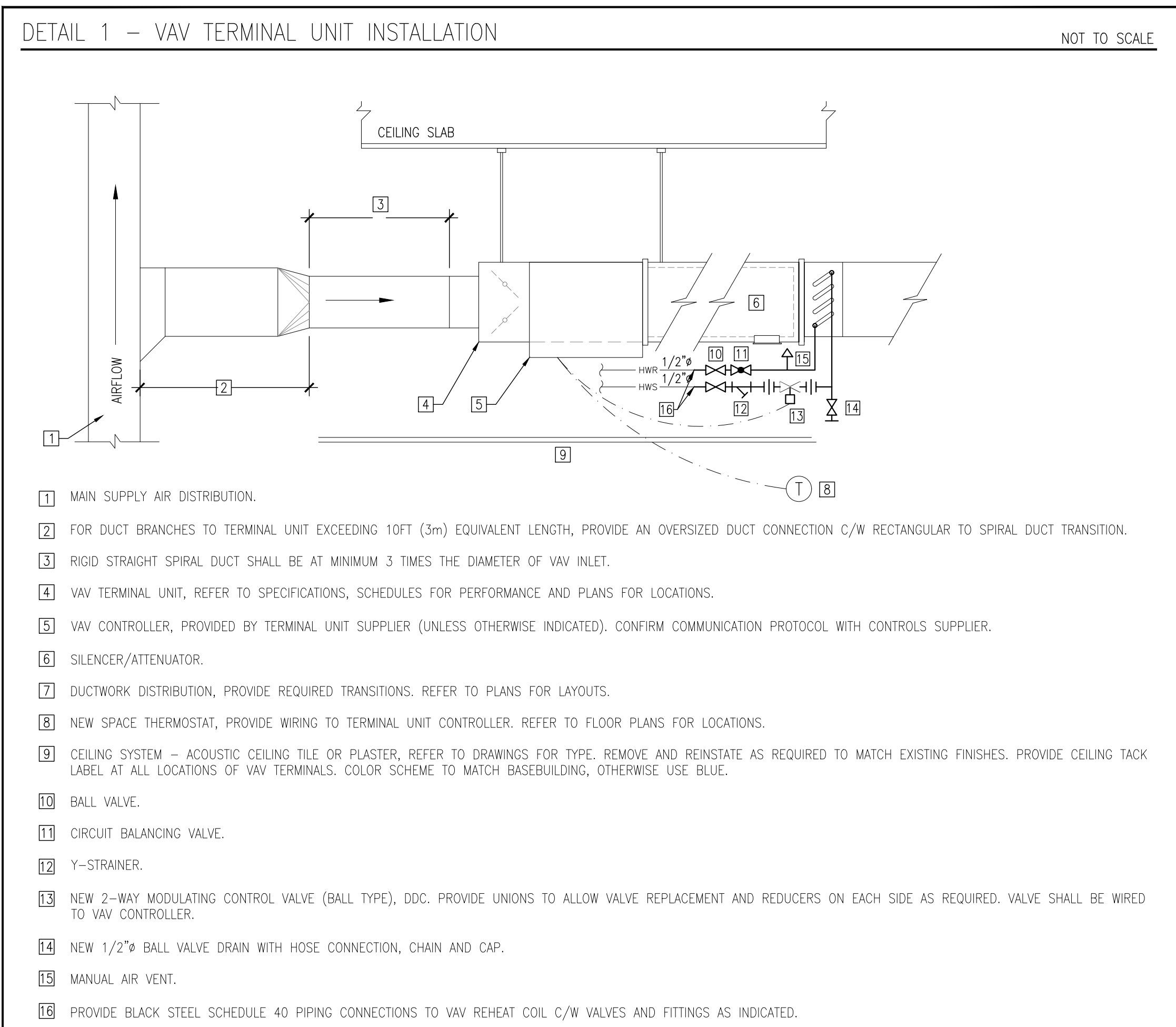
MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN
	NEW WORK
	RETURN/EXHAUST DUCT UP
	RETURN/EXHAUST DUCT DOWN
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	INTERNALLY LINED DUCT
	THERMALLY INSULATED DUCT
	DUCT ACCESS PANEL
	SQUARE CONE/PLAQUE DIFFUSER
	RETURN GRILLE
	AIRFLOW DIRECTION
	BALANCING DAMPER
	FIRE DAMPER
	MOTORIZED DAMPER
	ABOVE FINISHED FLOOR
	BACK DRAFT DAMPER
	CLEANOUT
	CONNECT TO EXISTING
	FINISHED FLOOR LEVEL
	TYPICAL
	RELOCATED
	DISCONNECT AND REMOVE
	NEW
	EXISTING TO REMAIN
	FIRE EXTINGUISHER
	SPRINKLER HEAD, PENDENT SEMI-RECESSED
	SPRINKLER HEAD, UPRIGHT EXPOSED
	SPRINKLER HEAD, CONCEALED
	DOOR UNDERCUT
	VAV BOX
	VAV BOX WITH REHEAT COIL
	TEMPERATURE SENSOR
	THERMOSTAT

SCHEDULE OF GRILLES, REGISTERS AND DIFFUSERS					
DESIGNATION: 'X'-Y'-Z (X)-TAG OF DIFFUSER/GRILLE, (Y)-SIZE OF GRILLE OR DIFFUSER NECK AND BRANCH DUCT, (Z)-AIR QUANTITY (CFM)					
TAG	TYPE	SIZE	MOUNTING	MODEL (BASED ON NAILOR)	ACCESSORIES
A1	SUPPLY CEILING DIFFUSER - SQUARE	24"x24"	T-BAR/DRYWALL	RNS TYPE L	
A2	SUPPLY CEILING DIFFUSER - SQUARE	12"x12"	T-BAR/DRYWALL	RNS TYPE L	
B1	SUPPLY CEILING DIFFUSER - PLAQUE	24"x24"	T-BAR/DRYWALL	UNI TYPE L	
C	SUPPLY CEILING DIFFUSER - ROUND	SEE DRAWING	DUCT	RNR	4275 RADIAL DAMPER
D	SUPPLY GRILLE - DOUBLE DEFLECTION	SEE DRAWING	AS INDICATED	61DH-0	OPPOSED BLADE DAMPER
E	EXHAUST GRILLE - FIXED SINGLE BLADE	SEE DRAWING	AS INDICATED	6155-0	OPPOSED BLADE DAMPER
L	SUPPLY LINEAR SLOT DIFFUSER	SEE DRAWING	AS INDICATED	5000 SERIES	C/W PLENUMS 5300 SERIES, FRAME AS REQUIRED
R	RETURN GRILLE - EGGRATE 1/2"x1/2"x1"	SEE DRAWING	T-BAR/DRYWALL	51EC TYPE PLS	
T	TRANSFER GRILLE - DOOR	SEE DRAWING	DOOR		
X	EXISTING GRILLE OR DIFFUSER TO REMAIN, INSPECT, CLEAN AND RE-BALANCE, PAINT IF REQUIRED.				

ALL DIFFUSERS AND GRILLES SHALL HAVE BAKED ENAMEL FINISH TO MATCH CEILINGS. COLOUR TO BE CONFIRMED.
 INSTALL BLANK-OFF PANELS WHERE INDICATED
 BASIS OF DESIGN AND SPECIFICATION 'NAILOR INDUSTRIES INC.', EQUALS ARE ACCEPTABLE.

VAV SCHEDULE						
ZONE DAMPER TAG	AREA SERVED	BOX SIZE	MIN AIR FLOW (CFM)	MAX AIR FLOW (CFM)	MODEL (PRICE)	REMARKS
VAV-1	BOARDROOM	8"	120	515	SDV-08	C/W, SPRING ISOLATORS, SACTUATOR, TRANSFORMER AND REMOTE WIRED THERMOSTAT, HOT WATER COIL 1ROW, 24.8 MBH, 515 CFM

VAV TERMINAL UNITS SHALL BE INTEGRATED AND CONTROLLED THROUGH THE BAS SYSTEM.



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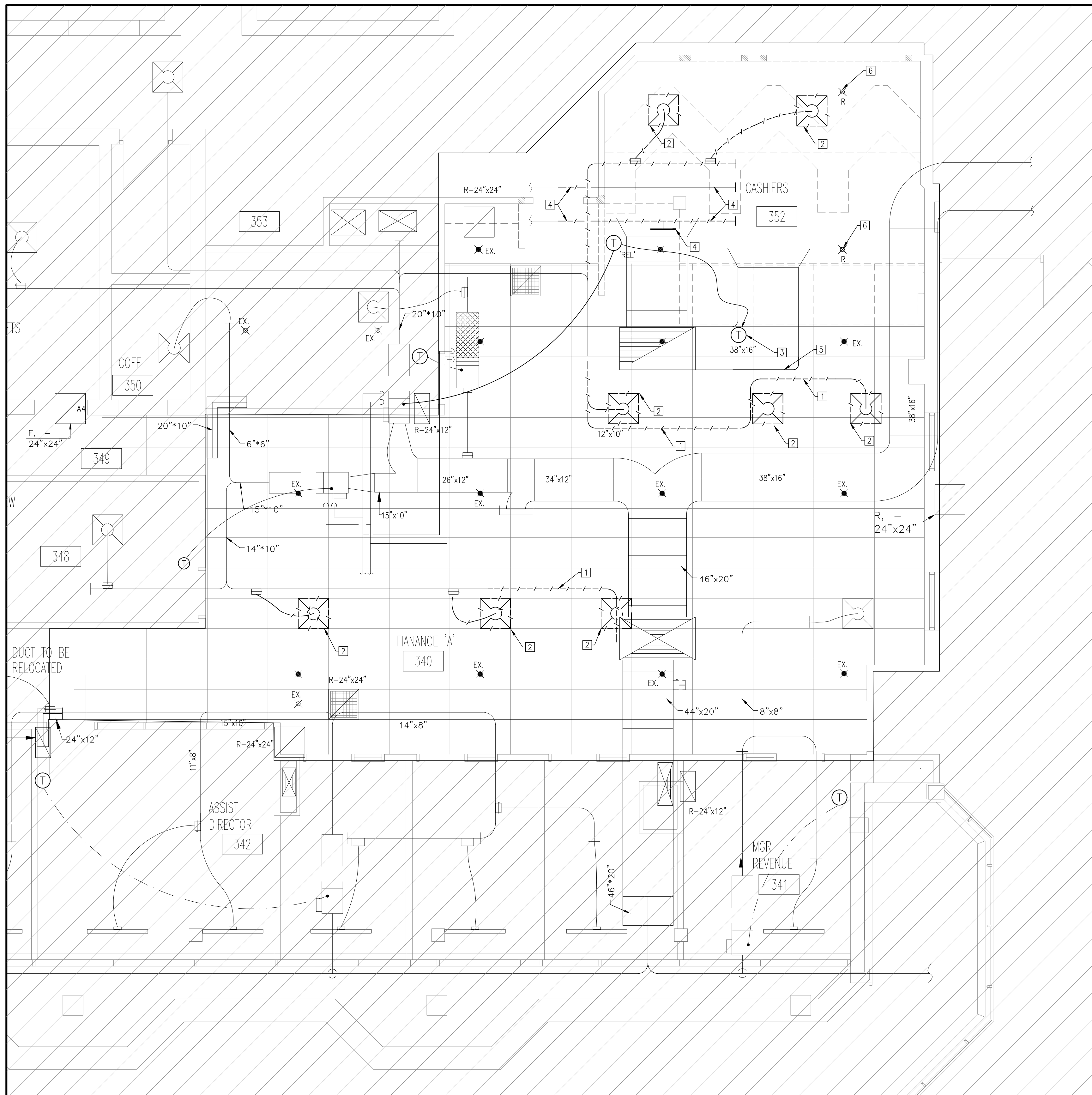
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MECHANICAL SPECIFICATIONS AND SCHEDULES

GRGURIC ARCHITECTS INCORPORATED

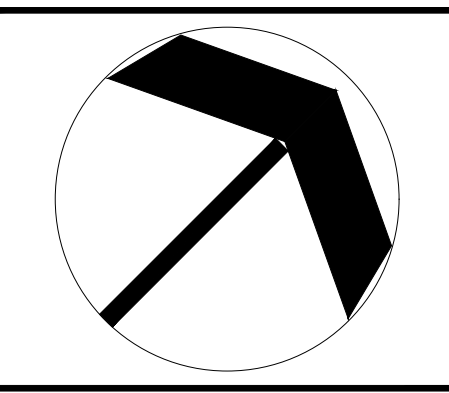
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SCALE:	PROJECT:
AS NOTED	2024-08
START DATE: MAY 2024	
DRAWN: AH	DRAWING: M101
CHECKED: J.G	
PRINT DATE:	



1 HVAC & SPRINKLER - DEMOLITION
SCALE: 1/4":1'-0"

- REFERENCE NOTES
- 1 DEMOLISH EXISTING SUPPLY AIR DUCTWORK. MAKE LOCATION READY FOR NEW INSTALLATION.
 - 2 DEMOLISH EXISTING SUPPLY DIFFUSER.
 - 3 RELOCATE EXISTING THERMOSTAT AS SHOWN.
 - 4 DEMOLISH EXISTING OBSOLETE DUCTWORK ABOVE BULKHEAD C/W SIDEWALL GRILLE, CAP AT EXISTING SHAFT.
 - 5 MODIFY EXISTING RETURN AIR DUCT TO ROOF TOP UNIT. REFER TO M201 FOR MORE INFORMATION.
 - 6 EXISTING SPRINKLER HEAD TO BE REMOVED TO ACCOMMODATE CEILING MODIFICATIONS. REROUTE AND OFFSET PIPING ABOVE BULKHEAD TO SUIT. REFER TO M201 FOR MODIFICATIONS AND NEW LAYOUT.



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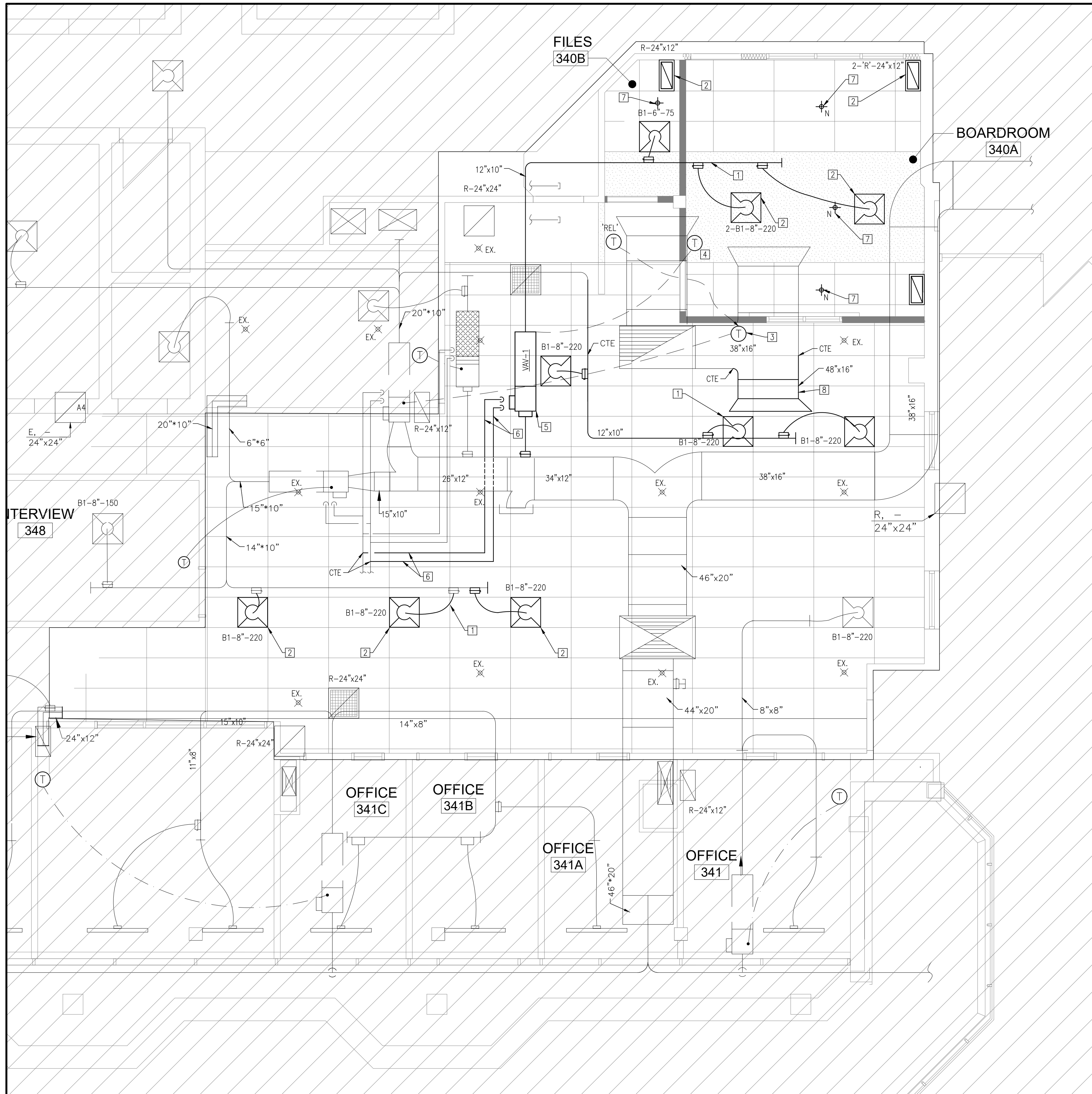
MECHANICAL
DEMOLITION

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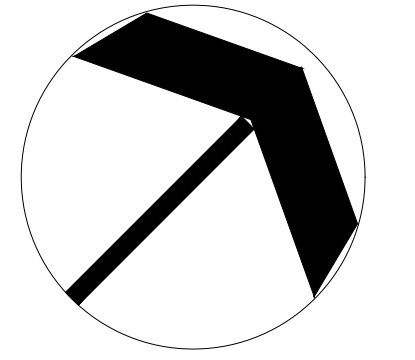
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START DATE: MAY 2024	
DRAWN AH	DRAWING:
CHECKED J.G	M200
PRINT DATE:	



REFERENCE NOTES

- 1 PROVIDE NEW SUPPLY AIR DUCTWORK C/W BALANCING DAMPERS, DIFFUSERS AS INDICATED.
- 2 PROVIDE NEW RETURN AIR GRILLE.
- 3 RELOCATE EXISTING THERMOSTAT AS SHOWN.
- 4 PROVIDE AND INSTALL NEW THERMOSTAT.
- 5 PROVIDE NEW VAV TERMINAL UNIT AS PER EQUIPMENT SCHEDULE. INSTALL AS PER MANUFACTURER INSTRUCTIONS C/W WATER HEATING COIL, VALVE AND CONTROL. PROVIDE GAS INTEGRATION TO EXISTING BAS BY BASEBUILDING CONTROLS VENDOR. ALLOW FOR REMOVAL AND RE-INSTATEMENT OF THE ACOUSTIC CEILING TILE AS REQUIRED.
- 6 PROVIDE NEW 1/2" HEATING PIPING TO NEW VAV TERMINAL UNIT. REFER TO DETAILS FOR MORE INFORMATION. CONTRACTOR TO VERIFY THE TIE-IN POINT ON THE SITE.
- 7 PROVIDE AND INSTALL NEW SPRINKLER HEAD, EXTEND SPRINKLER BRANCH PIPING FROM NEAREST MAIN TO SUIT. ALL WORK SHALL BE COMPLETED BY BASEBUILDING FIRE PROTECTION VENDOR.
- 8 MODIFY EXISTING RETURN AIR PLENUM TO ROOF TOP UNIT AS INDICATED, ADD 48"x16" RETURN AIR CONNECTION AS INDICATED, TERMINATE WITH BELL MOUTH AND WIRE MESH. REPAIR EXISTING AND PROVIDE NEW ACOUSTIC LINING.

1 M201 HVAC & SPRINKLER - NEW CONSTRUCTION
SCALE: 1/4"=1'-0"



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DRAWN: AH	DRAWING: M201
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ELECTRICAL GENERAL SPECIFICATION

1. **CODES & STANDARDS**
 - 1.1. Complete the installation of the work in accordance with latest editions of the Ontario Building Code, Provincial Electrical Safety Code, CSA Standards, ULC, NFPA, OSHA and other Codes, as required. Comply with Electrical and Building Code Bulletins in force at time of Bid submission.
2. **EXISTING CONDITIONS**
 - 2.1. Visit the site and examine the existing conditions affecting the work of this Division. No claim for extra payment shall be made for extra work made necessary by circumstances encountered due to conditions which were visible upon, or reasonably inferable from an examination of the site prior to submission of the Bid. This includes the existing services to property or related to this property.
3. **DEFINITIONS**
 - 3.1. Wherever the words "provide" or "supply and install", are used, it shall be understood to mean "provide and install, inclusive of all labour, materials, installation, testing, and connections" for the item to which it refers.
4. **MATERIALS AND EQUIPMENT**
 - 4.1. All materials and equipment shall be new, CSA certified and manufactured to the standards specified.
 - 4.2. Where there is no alternative to supplying equipment which is not CSA certified, obtain special approval from the Local Inspection Department.
5. **PERMITS AND FEES**
 - 5.1. Submit to the local Electrical Inspection Department, the necessary number of Documents for examination, special inspection, and approval, prior to the commencement of the work, and pay all costs and associated fees.
 - 5.2. Provide Certificate(s) of Acceptance from the Authorities Inspection Department, upon completion of work.
6. **INSURANCE**
 - 6.1. Provide and maintain insurance to protect the Owners and Trades from all possible claims. Submit with Bid for an amount acceptable to Owner and General Contractor.
7. **CONTRACT DOCUMENTS**
 - 7.1. The drawings for the Electrical work are diagrammatic performance Drawings only, intended to convey the scope of work and indicate the general arrangement and approximate location of electrical equipment. The drawings do not intend to show Architectural, Interior Design, Mechanical, Structural, or base building details. Be responsible for a thorough knowledge of same before proceeding with the work.
 - 7.2. Do not scale or measure drawings but obtain information regarding accurate dimensions from the dimensions shown on the Design Consultant/Architect's drawing.
 - 7.3. Any discrepancies between drawings and/or specifications and existing conditions, must be referred to the Consultant of Record before any work affected is begun.
 - 7.4. Cooperate and coordinate with other trades in laying out of work so as not to conflict with the work of other trades. Carry out work promptly as per construction schedule and coordinate with work of other trades.
 - 7.5. Make, at no additional cost, any changes or additions to materials and equipment necessary to accommodate structural conditions (offsets around beams, column, etc.)
8. **INTENT**
 - 8.1. It is the intent of these drawings and specifications that the Contractor provide complete and operational systems as required.
 - 8.2. Where differences occur, the maximum condition shall govern.
 - 8.3. Any miscellaneous items, hardware, devices, wiring, etc., not specifically described, but required for the operation of the system, must be provided, and included as part of the bid.
9. **INSERTS, HANGERS AND SLEEVES**
 - 9.1. Provide hangers, inserts, sleeves, and supports as required from structure.
 - 9.2. Hangers must not be welded to structural steel members and burning of holes in structural steel is prohibited.
 - 9.3. Do not use any base building supports or equipment, including ceiling support system. Support from structural members.
10. **CUTTING AND PATCHING**
 - 10.1. Cutting and patching required to the existing building structure for the work shall be included under this contract and be acceptable to the General Contractor. Obtain written approval from General Contractor before any cutting is carried out.
 - 10.2. Where conduits pass through fire rated walls or floors, provide fire stopping material listed with, and bear label of CSA and ULC, and maintain same fire rating of building component penetration.
11. **LOCATION OF OUTLETS**
 - 11.1. Refer to Consultant's and/or Architect's drawings for exact locations of all lighting fixtures and wiring devices, if required.
 - 11.2. Alter location of outlets at no cost or credit, providing distance does not exceed 3m (10'-0") and information is given before rough-in.
 - 11.3. All outlets to be marked on job site for approval by Design Consultant/Architect prior to installation.
12. **PLYWOOD**
 - 12.1. Plywood backboards shall be 19mm (3/4") thick, of highest quality fire retardant fir. Refer to drawings for size. Prime and paint backboards with fire retardant paint equal to CAN/CGSB-1.151-92, of a colour as selected by the Design Consultant/Architect.
13. **ACCESS DOORS**
 - 13.1. Wherever any base building equipment requires accessibility, maintenance, or adjustment, provide access doors approved by Consultant, Architect and Owner.
14. **CORE DRILLING**
 - 14.1. Before core drilling floor slab or structural walls, X-ray slab or walls and have the locations accepted by the General Contractor in writing.
 - 14.2. Any building service damaged by core drilling must be repaired immediately at no cost to General Contractor.
15. **NOISE AND VIBRATION**
 - 15.1. Electrical equipment is to operate without objectionable noise or vibration. If, in the opinion of the Consultant, the equipment operates with excessive noise or vibration, then the equipment must be replaced, or noise or vibration eliminated.
 - 15.2. Connections to noise-producing and vibrating equipment must be made with flexible conduit. This includes transformers, dimming equipment racks, and motors. Use a minimum of 1m (3 ft) of flexible cable with slack at each device.
 - 15.3. Vibration isolators are to be provided where indicated or required. Transformers to be isolated from the structure, with spring and rubber isolators when wall mounted or suspended and 12mm (1/2") high density neoprene sandwich pads (type MWP) when floor mounted.
16. **SITE SERVICES**
 - 16.1. Provide all Electrical Services on site plan to Hydro regulations weather stipulated or not.
 - 16.2. Obtain all permits for new Hydro service, pay all fees for new service as arranged with General Contractor.
 - 16.3. Provide all excavation and backfill required for this section.
17. **INTERRUPTION OF SERVICES**
 - 17.1. Interruption of electrical service to any part of the building shall occur only by pre-arrangement with and at times suitable to the Landlord.
 - 17.2. Interruptions shall only occur during premium time periods; all allowances for this shall be

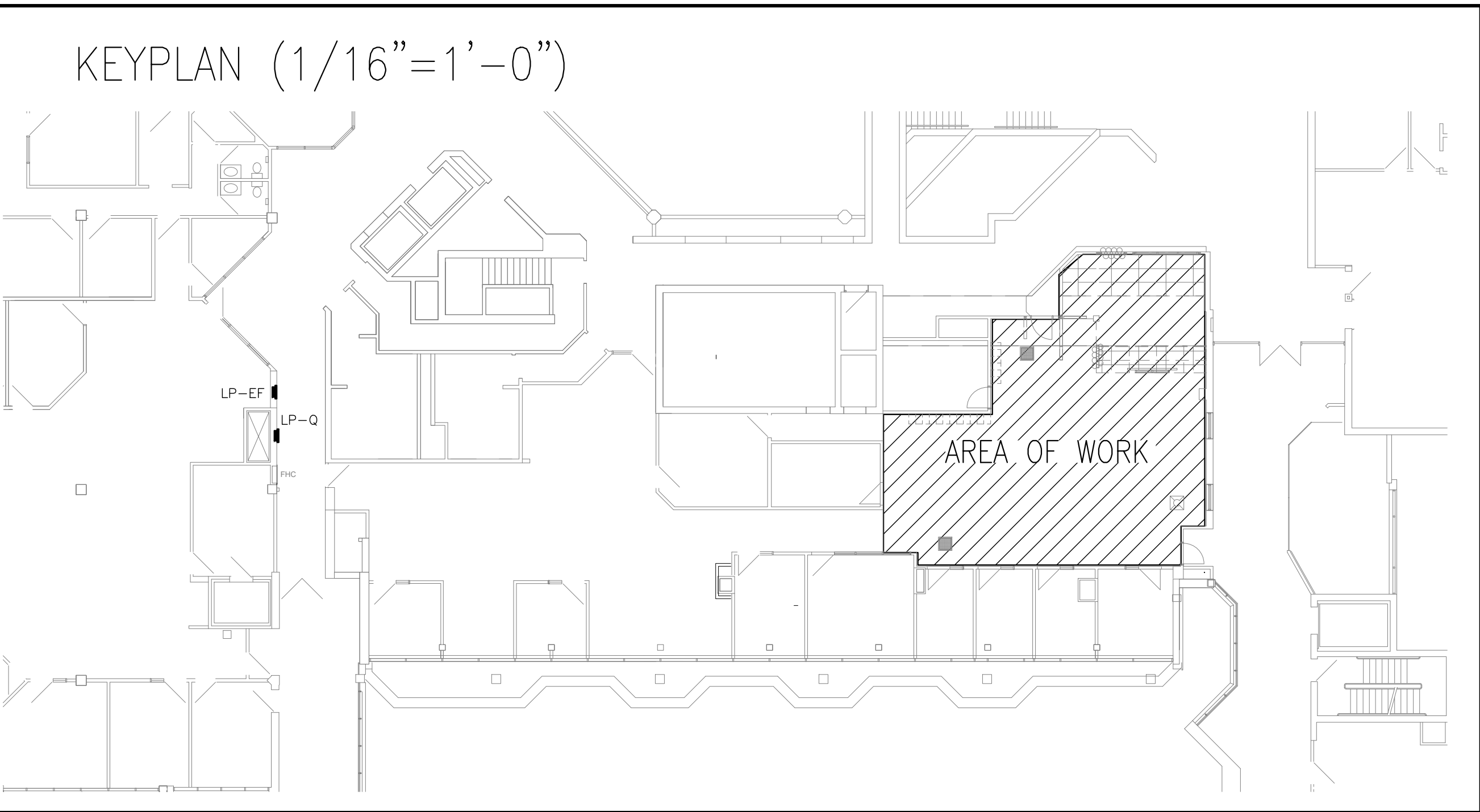
included in the price submitted.

18. **IDENTIFICATION**
 - 18.1. Provide lamacoid nameplates on all metering switchboard, panels, disconnect switches, splitters, etc., to match base building. Nameplates shall be mechanically attached to equipment.
 - 18.2. Provide typewritten directories for new and existing panels. Confirm existing identification and correct where necessary.
 - 18.3. Clearly mark all exposed conduit, pullboxes, junction boxes, etc., to indicate the nature of the service to match base building standards.
19. **VALUATION OF CHANGES**
 - 19.1. Provide complete breakdown of material, labour, overhead, profit, etc., when submitting quotations for change notices on this project.
 - 19.2. The hourly labour rate shall be inclusive of all charges for supervision, variable labour factors, hand tools, payroll burdens, height factors, warranties, storage, rentals, additional bonding, parking, clean-up, as-built drawings, hoisting, freight and delivery, but exclusive of overhead and profit.
 - 19.3. The labour hours shall be based on the latest issue of the National Electrical Contractors Association (NECA) labour units, column one normal for the duration of this contract.
 - 19.4. The material prices shall be based on the current National Prices System (NPS) catalogue less applicable trade discounts.
20. **COMPLETION OF CONTRACT**
 - 20.1. Provide shop drawings for approval of all equipment specified to be used on this project.
 - 20.2. From the date of issuance of a "Certificate of Substantial Performance", provide a written guarantee for one year covering all equipment, materials, and workmanship, other than lamps. Insert in operations and maintenance manual.
 - 20.3. Defects and deficiencies which originate or become evident during the warranty period must be repaired or replaced, at no cost.
 - 20.4. Replace, at no cost, all lamps burned-out during ninety (90) days after date of issuance of certificate of "Substantial Performance" for the contract for the work.
 - 20.5. If, during the warranty period, transformers, ballasts or other noise and vibration producing equipment are considered by the Consultant to exceed acceptable standards, then these must be replaced without delay or additional cost to the Project. All work relating to the replacement of defective items, must be carried out after normal working hours and at a time which is acceptable by the Owner.
 - 20.6. All the equipment must be cleaned and tested before final acceptance by the Consultant.
21. **AS-BUILT DRAWINGS**
 - 21.1. At the completion of work and before final acceptance, provide As-Built drawings, in AutoCAD format and in the Owner standards. Drawing files can be obtained from the Consultant.
 - 21.2. Incorporate all changes and deviations from tender drawings, utilizing normal recognized drafting procedures that match the original drafting methodology.
 - 21.3. All main branch conduit runs, junction box locations, conduit runs for all floor outlets, etc., must be reflected on the drawings.
 - 21.4. Clearly indicate the words "Record Drawings" in the title block column of the drawings as well as the Electrical Contractor's name and address.
 - 21.5. Submit a soft copy (PDF and DWG) to the consultant for review and acceptance
22. **OPERATION AND MAINTENANCE MANUALS**
 - 22.1. Provide soft copy (PDF) of operation and maintenance manuals. Include the following information in the Operations and Maintenance manuals:
 - Names and address of local suppliers for the items included.
 - Technical data, product data, supplemented by bulletins, component illustrations, exploded views, technical descriptions of items, and parts lists. Advertising or sales literature is not acceptable.
 - The Consultants reviewed shop drawings.
 - Certificate(s) of acceptance from the Authorities Inspection Department.
 - Verification reports and certificate(s) for any new fire alarm components or tie-ins and any base building tie-ins for miscellaneous systems (i.e. security, lighting control, digital metering).
 - Load balance report
 - Written guarantee
 - 22.2. Review information provided in the maintenance instructions and manuals with the Tenant's operating personnel and Landlord's operating personnel where base building systems are revised, to ensure a complete understanding of the electrical equipment and systems and their operation.
23. **FIRE ALARM WORK**
 - The fire alarm system shall be modified by a qualified contractor, approved by the facility.
 - Hamilton Fire Control
 - Contact name: Frank Tracey
 - Work: (905) 527-7042
 - Mobile: (289) 339-7598
 - Email: hfc@cgesco.ca

ELECTRICAL SPECIFICATION – MATERIAL AND INSTALLATION

1. **CONDUITS AND CONDUIT FITTINGS**
 - 1.1. Provide all conduit up to and including 100mm (4") size, as EMT thin wall with steel set screw couplings and connectors.
 - 1.2. Provide flexible metal conduit for connection to motors and transformers.
 - 1.3. Install conduits to conserve headroom, parallel and perpendicular to building lines. Do not caddle clip conduits to ceiling hangers.
 - 1.4. All empty conduits shall be complete with nylon fish wire.
 - 1.5. All communications conduit shall be installed complete with bushings at each end. The contractor shall inform the consultant of any communications conduit lengths in excess of 70m (230 ft.) prior to installation.
2. **JUNCTION BOXES AND PULL BOXES**
 - 2.1. They shall be suitable for surface mounting and be of welded steel construction with screw-on flat covers.
 - 2.2. For flush-mounted pull and junction boxes, provide covers with 25mm (1") minimum extension all around.
 - 2.3. Install junction and pull boxes in inconspicuous but accessible locations.
 - 2.4. A minimum of one pull box shall be installed for every 100 ft. (30m) of conduit. (Note: each 90 deg. bend shall equate to a 30 ft. (9m) length of conduit).
 - 2.5. No more than two (2) – 90 deg. bends shall be installed between any two adjacent pull boxes.
3. **OUTLET BOXES**
 - 3.1. Outlet boxes shall be electro-galvanized steel, sized as required by code.
 - 3.2. Provide each light switch, receptacle, communication and other outlet with an outlet box. Install plumb and true. Provide 75mm (3") deep, type 1004 boxes for dimming switches.
 - 3.3. Adapt all outlet boxes to their respective locations and support independently of the conduit. Do not caddle clip to ceiling hangers.
 - 3.4. Provide blank coverplates for boxes without wiring devices.
 - 3.5. Do not install outlet boxes back to back in partitions. Stagger to prevent sound transfer.
 - 3.6. Two or more outlet boxes that occur at the same location shall be ganged together in the same coverplate unless otherwise noted.
4. **WIRE AND CABLE**
 - 4.1. All wire and cable shall be copper, minimum 12 gauge, #12 and #10 solid, #8 and larger stranded, with RW90 insulation.
 - 4.2. BX cable #12 may be used in ceiling space from ceiling distribution box down to receptacles in partitions. BX runs in ceiling space not to exceed 3m (10') in length.
 - 4.3. Contractor shall upsize all wires and associated conduit to meet maximum 2 % voltage drop per OESC.
 - 4.4. All home runs to be in conduit.
5. **INSTALLATION OF CABLES IN DUCTS**
 - 5.1. **DUCT SEALING COMPOUND**
 - 5.1.1. Duct sealing compound shall be a non-thermoplastic compound and shall allow for expansion and contraction of ducts and cables, without loss of sealing properties.
 - 5.2. **CABLE INSTALLATION IN DUCTS**
 - 5.2.1. Before installation of cables, pull stiff bristle brush through each duct.
 - 5.2.2. Install cables as indicated. Do not pull spliced cables inside ducts.
 - 5.2.3. Install multiple cables in ducts simultaneously.
 - 5.2.4. Use lubricant to reduce pulling tension.
 - 5.2.5. To facilitate matching of colour coded multiconductor control cables, reel off in same direction during installation.
6. **SERVICE EQUIPMENT**
 - 6.1. All new panelboards, disconnect switches, meters, transformers, etc. to be same manufacture, rating and type as base building equipment unless otherwise noted. Moulded case circuit breakers to be bolt-on and same manufacturer, rating and type as base building breakers. If unable to match base building equipment, one of the following manufacturer's equipment must be provided:
 - Schneider Electric
 - Eaton
 - Siemens
7. **CABLE TROUGHS**
 - 7.1. Cable troughs, as defined in CSA C22.2, No. 126, accessories and fittings shall be manufactured to EMAC F5.1.
 - 7.2. Unless otherwise noted, power systems and teledata/hub room cable trays shall be ventilated steel, Class C1, without cover, sized as indicated and with a natural finish.
 - 7.3. Supports shall be rod and channel of a size to suit total load.
 - 7.4. Supply all bends, elbows, end plates, drop outs, tees, eyes and expansion joints for the complete system as required.
 - 7.5. Remove sharp edges to prevent cable damage or injury to personnel.
8. **GROUNDING**
 - 8.1. Ground all equipment in accordance with latest edition of the Electrical Safety Code. Provide separate green insulated ground conductor in every conduit to all devices, luminaires and feeders (panelboards, splitters, disconnect switches, etc.)
9. **MECHANICAL TRADES WIRING**
 - 9.1. Unless otherwise noted, all starters and control wiring to be provided by Division 15. Division 16 to receive, install starters and provide all power wiring and required isolating disconnect switches.
 - 9.2. Confirm electrical requirements and exact locations of all mechanical equipment with Division 15 prior to installation.
10. **MEGGERING AND BALANCING**
 - 10.1. Megger all power circuit feeders. If ground resistance on any circuit is less than that required by CSA or other governing regulations, such circuits are to be considered defective and must be replaced.
 - 10.2. Measure phase current to panelboards with normal loads operating at time of acceptance. Adjust branch circuit connections as required to obtain best balance of current between phases and submit a report for insertion into manuals.
11. **RECEPTACLES**
 - 11.1. Duplex receptacles, CSA type 5-15 R, 125 V, 15 A, U ground, to: CSA-C22.2 No.42 with following features:
 - 11.1.1. Ivory thermoplastic moulded housing.
 - 11.1.2. Suitable for No. 10 AWG for back and side wiring.
 - 11.1.3. Break-off links for use as split receptacles.
 - 11.1.4. Eight back wired entrances, four side wiring screws.
 - 11.1.5. Triple wipe contacts and rivetted grounding contacts.
 - 11.1.6. Specification grade.
 - 11.2. Single receptacles CSA type 5-15 R, 125 V, 15 A, U ground with following features:
 - 11.2.1. Ivory thermoplastic moulded housing.
 - 11.2.2. Suitable for No. 10 AWG for back and side wiring.
 - 11.2.3. Four back wired entrances, 2 side wiring screws.
12. **COVER PLATES**
 - 12.1. Cover plates for wiring devices to: CSA-C22.2 No.42.1.
 - 12.2. Cover plates from one manufacturer throughout project.
 - 12.3. Sheet steel utility box cover for wiring devices installed in surface-mounted utility boxes.
 - 12.4. Nylon ivory or stainless steel cover plates as indicated, thickness 2.5 mm for wiring devices mounted in flush-mounted outlet box.
 - 12.5. Sheet metal cover plates for wiring devices mounted in surface-mounted FS or FD type conduit boxes.
 - 12.6. Weatherproof double lift spring-loaded cast aluminum cover plates, complete with gaskets for duplex receptacles as indicated.
 - 12.7. Weatherproof spring-loaded cast aluminum cover plates complete with gaskets for single receptacles or switches.
 - 12.8. All wiring device cover plates to be labeled using clear adhesive strips with black type identifying panel and circuit number for each device.
13. **GENERAL LIGHTING, EXIT LIGHTS, EMERGENCY LIGHTING**
 - 13.1. Locate and install new lighting fixtures as shown on lighting layout and as indicated in the lighting schedule. All lighting shall be CSA, cUL approved. Install accessories provided with each fixture and install per manufacturer installation instructions.
 - 13.2. All new exit lighting shall be green running man type complete with mounting accessories led.
 - 13.2.1. LITHONIA LIGHTING, TCE-RM, 120V-1ph, steel, see symbol for pictogram (single face, double face, arrow)

END OF MATERIALS & INSTALLATION



3	RE-ISSUED FOR PERMIT/TENDER	24-07-09
2	ISSUED FOR PERMIT/TENDER	24-06-10
1	ISSUED FOR CLIENT REVIEW	24-05-30
NO	REVISIONS	DATE

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND MUST REPORT ANY DISCREPANCIES TO THE ARCHITECTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECTS.



DYNAMIS
ENGINEERING INC.
222 ISLINGTON AVE, SUITE 260
TORONTO, ONTARIO, M8V 3W7
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OAKVILLE TOWN HALL
FINANCE SPACE
RENOVATION
1225 TRAFALGAR RD
OAKVILLE, ON. L6H 0H3

ELECTRICAL
SPECIFICATION
AND KEY PLAN

GRGURIC
ARCHITECTS
INCORPORATED
28 KING STREET EAST, UNIT B
STONE CREEK, ONTARIO, L8G 1J8
Tel. 905-664-8735 Fax. 905-664-8737
Web: www.2gai.com

SCALE: AS NOTED	PROJECT: 2024-08
START DATE: MAY 2024	
DRAWN: AH	DRAWING: E100
CHECKED: J.G	
PRINT DATE:	

LIGHTING SCHEDULE								
Label	Symbol	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Wattage	Notes
L1		---	---	---	EXISTING LIGHT FIXTURE TO BE RE-LAMPED	4	---	
L2		6	Juno Lighting	WF6 DREG SM ALO20 SWW5 90CRI 40K	6" Deep Regressed Wafer Downlight, Smooth, Selectable Lumens and Selectable CCT- 90CRI,40K,High Lumen,Matte White	--	15.5	C/W ACUITY BRANDS nWSX WALL SWITCH SENSOR AND nPP PCD PHASE DIMMER, PROVIDE ALL REQUIRED CAT 5E CABLING BETWEEN WALL DIMMER AND POWER PACK.
L3		6	Juno Lighting	WF6 DREG SM ALO20 SWW5 90CRI 40K	6" Deep Regressed Wafer Downlight, Smooth, Selectable Lumens and Selectable CCT- 90CRI,40K,MEDIUM Lumen,Matte White	--	12.5	C/W ACUITY BRANDS nWSX WALL SWITCH SENSOR AND nPP PCD PHASE DIMMER, PROVIDE ALL REQUIRED CAT 5E CABLING BETWEEN WALL DIMMER AND POWER PACK.
L4		1	Lithonia Lighting	CPX 1X4 4000LM 80CRI 40K SWL MINT0 ZT 120V	1'x4' suspended LED flat panel with external driver.	--	35.5	C/W WSX-D SENSOR SWITCH C/W PANEL AIRCRAFT KIT, 2 CABLE, Y SPLITTER WITH POWER FEED, LITHONIA CAT. PAC 2DF 36. LIGHT TO BE SUSPENDED AT SAME HEIGHT AS GYPSUM BULKHEAD
L5		1	Lithonia Lighting	CPX 2X4 4000LM 80CRI 40K SWL MINT0 ZT 120V	2'x4' recessed mounted LED flat panel with external driver.	--	35.5	C/W WSX-D SENSOR SWITCH

DEMOLITION SPECIFICATION

VISIT THE SITE AND EXAMINE ALL EXISTING CONDITIONS AND ALL TENDER DOCUMENTS, DRAWINGS AND SPECIFICATIONS AND MAKE NECESSARY ALLOWANCES IN TENDER PRICE FOR REMOVAL RELOCATION REROUTING RECONNECTION OF EXISTING ELECTRICAL EQUIPMENT AND WIRING FOR THE EXECUTION AND COMPLETION OF THIS PROJECT. NO ALLOWANCE WILL BE MADE LATER FOR ANY EXPENSE INCURRED BY THIS TRADE THROUGH FAILURE TO MAKE THIS EXAMINATION.

REMOVE AND/OR RELOCATE AND REINSTALL ALL WRING, FIXTURES AND EQUIPMENT AS NECESSARY TO ACCOMMODATE ARCHITECTURAL AND STRUCTURAL ALTERATIONS AND ADDITIONS AS INDICATED ON DRAWINGS. WIRING LOCATED IN THE AREAS BEING ALTERED OR DEMOLISHED BUT FEEDING OUTLETS OR EQUIPMENT REQUIRED TO REMAIN IN SERVICE SHALL BE REROUTED AS REQUIRED TO MAINTAIN CONTINUITY OF THESE SERVICES.

SUPPLY, INSTALL AND MAINTAIN ALL REQUIRED TEMPORARY WIRING TO OCCUPIED AREAS AT ALL TIMES. PROVIDE ADEQUATE PROTECTION TO EXISTING WIRING AND EQUIPMENT SERVING THE EXISTING AND NEW AREAS AND PARTICULARLY WHERE WIRING AND EQUIPMENT HAVE BECOME EXPOSED TO MECHANICAL INJURY OR MOISTURE IN THE COURSE OF ALTERATIONS OR NEW CONSTRUCTION.

EXISTING ELECTRICAL EQUIPMENT REMOVED OR INDICATED FOR REUSE SHALL BE CLEANED BEFORE INSTALLATION. ALL UNUSED CONDUIT ENTRANCE OPENINGS SHALL BE SEALED BEFORE REINSTALLATION.

REUSED LIGHTING FIXTURES SHALL BE CLEANED AND RE-LAMPED WITH NEW LAMPS. EXISTING LIGHTING FIXTURES INDICATED FOR REUSE SHALL BE STORED SAFELY ON SITE UNTIL READY FOR INSTALLATION. ALL EXISTING LAMPS AND THE EXISTING FIXTURES NOT BEING REUSED SHALL BE HANDED OVER TO THE OWNERS.

OBsolete CABLES AND CONDUIT SHALL BE DISCONNECTED FROM THEIR SOURCE OF SUPPLY, CUT BACK TO A SUITABLE POINT AND LEFT IN PLACE UNLESS THEY INTERFERE WITH NEW WORK IN WHICH CASE THEY SHALL BE REMOVED.

ITEMS IDENTIFIED AS EXISTING RELOCATED SHALL BE DISCONNECTED AND RECONNECTED IN A RELOCATED POSITION ALONG WITH ALL ELECTRICAL COMPONENTS. EXTEND WIRING AS EXISTING IF IN GOOD CONDITION.

ALL EXISTING ELECTRICAL EQUIPMENT AND MATERIAL NOT REQUIRED IN THE FINAL INSTALLATION SHALL BE CAREFULLY REMOVED AT THE APPROPRIATE TIME AND DISPOSED OF OR HANDED OVER TO OWNER.

GENERAL CONSTRUCTION NOTES

CONTRACTOR SHALL CONDUCT A SITE REVIEW PRIOR TO PRICING TO BECOME FAMILIAR WITH THE SITE CONDITIONS. VERIFY ALL LOCATIONS, SIZES, AND CONNECTIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE CONSULTANT WITH PROPOSED RESOLUTION AND OBTAIN CONSULTANT'S APPROVAL.

ALL EXISTING SERVICES THAT ARE NOT SHOWN ON THE DRAWINGS AND ARE EXPOSED DURING DEMOLITION/CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR AS TO THE SOURCE AND ROUTING AND SHALL BE REPORTED TO THE CONSULTANT WITH PROPOSED RESOLUTIONS.

ALL BASE BUILDING SERVICES NOT IN SCOPE ARE TO REMAIN ON AND INTACT DURING THE DURATION OF WORK. WIRING, CONDUIT, AND EQUIPMENT REQUIRED TO MAINTAIN SERVICE SHALL BE TEMPORARILY SUPPORTED, RE-ROUTED, SERVICED, OR RELOCATED AS REQUIRED. ANY LOSS OF SERVICES TO EXISTING BASE BUILDING OUTSIDE OF SCOPE OF WORK SHALL BE COORDINATED WITH FACILITY MANAGEMENT.

ALL EQUIPMENT AND DEVICES SHOWN ARE APPROXIMATE LOCATIONS. EXACT LOCATIONS AND MOUNTING HEIGHTS SHALL BE COORDINATED ON SITE WITH OTHER TRADES AND CONSULTANT.

SEAL AND FIRESTOP ALL WALL, FLOOR, AND ROOF PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.

COORDINATE ALL ELECTRICAL WORK AND SHUTDOWNS WITH FACILITY MANAGEMENT AND OTHER TRADES.

MAKE GOOD ALL SURFACES, INCLUDING CORE HOLES FROM DEMOLISHED OR RELOCATED EQUIPMENT/DEVICES, AFTER COMPLETION OF WORK.

ALL MATERIALS SHALL BE DISPOSED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

COORDINATE ALL WORK TO SUIT PROJECT PHASE SCHEDULE. COORDINATE PHASING WITH ARCHITECT'S DRAWINGS.

ALL ELECTRICAL BACK BOXES SHALL BE WRAPPED WITH ACOUSTIGUARD PUTTY PADS.

PROVIDE LABELS FOR ALL RECEPTACLES TO IDENTIFY THE CIRCUIT FEEDING THE RECEPTACLE.

PROVIDE UPDATED, TYPE-WRITTEN PANEL DIRECTORIES AFTER COMPLETION OF WORK.

REFER TO ARCHITECT'S DRAWINGS FOR MOUNTING HEIGHTS AND COVER PLATE COLOURS.

WORK BY THE OWNER

WORK BY OWNER

1 THE OWNER HAS AWARDED CONTRACTS OR WILL EXECUTE USING OWN FORCES, FOR SUPPLY AND INSTALLATION OF THE FOLLOWING WORK, DURING THE EXECUTION OF THE WORK.

- IT WIRING AND EQUIPMENT
- WIRELESS ACCESS POINT (WAP)
- FURNITURE

2 CONTRACTOR RESPONSIBILITIES:

- PROVIDE SUPPORT SYSTEMS TO RECEIVE OWNER'S WORK, AS WELL AS PLUMBING, HVAC, AND ELECTRICAL CONNECTIONS.
- BE PRESENT FOR DELIVERY AND ASSIST THE OWNER'S INSPECTION.
- USE OWNER FURNISHED DELIVERY DATES IN CONTRACTOR'S CONSTRUCTION SCHEDULE.
- REVIEW SUBMITTALS FOR COORDINATION AND COMPATIBILITY WITH WORK. NOTIFY CONSULTANT OF DISCREPANCIES OR ANTICIPATED PROBLEMS REGARDING INCORPORATION OF THE OWNER'S WORK.
- MAKE PROVISIONS FOR RECEIVING, UNLOADING, HANDLING, STORING OWNER FURNISHED ITEMS AT PROJECT SITE.
- MAKE PROVISIONS FOR STORAGE AND PROTECTING ITEMS FROM DAMAGE.

OWNER-SUPPLIED PRODUCTS

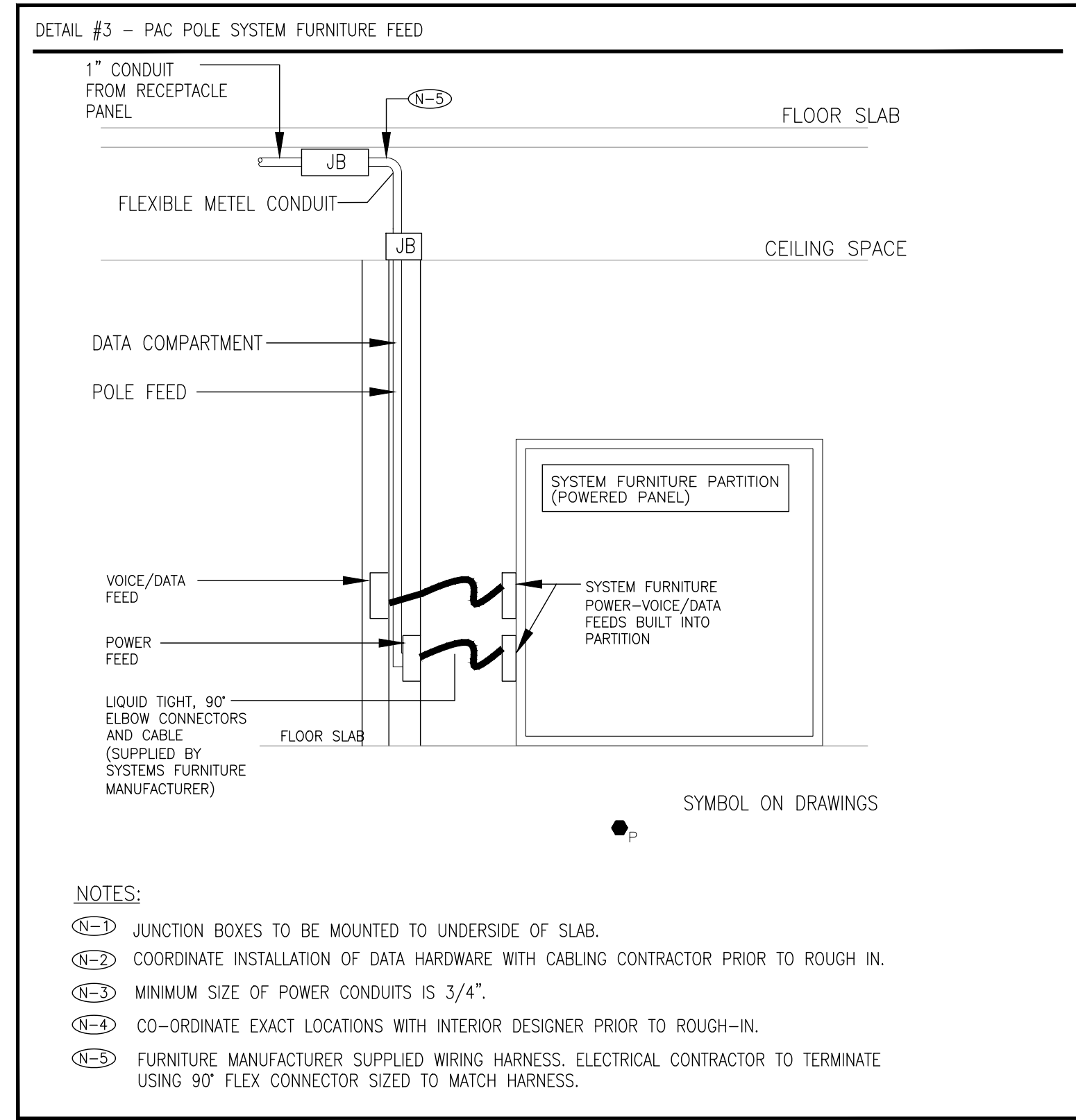
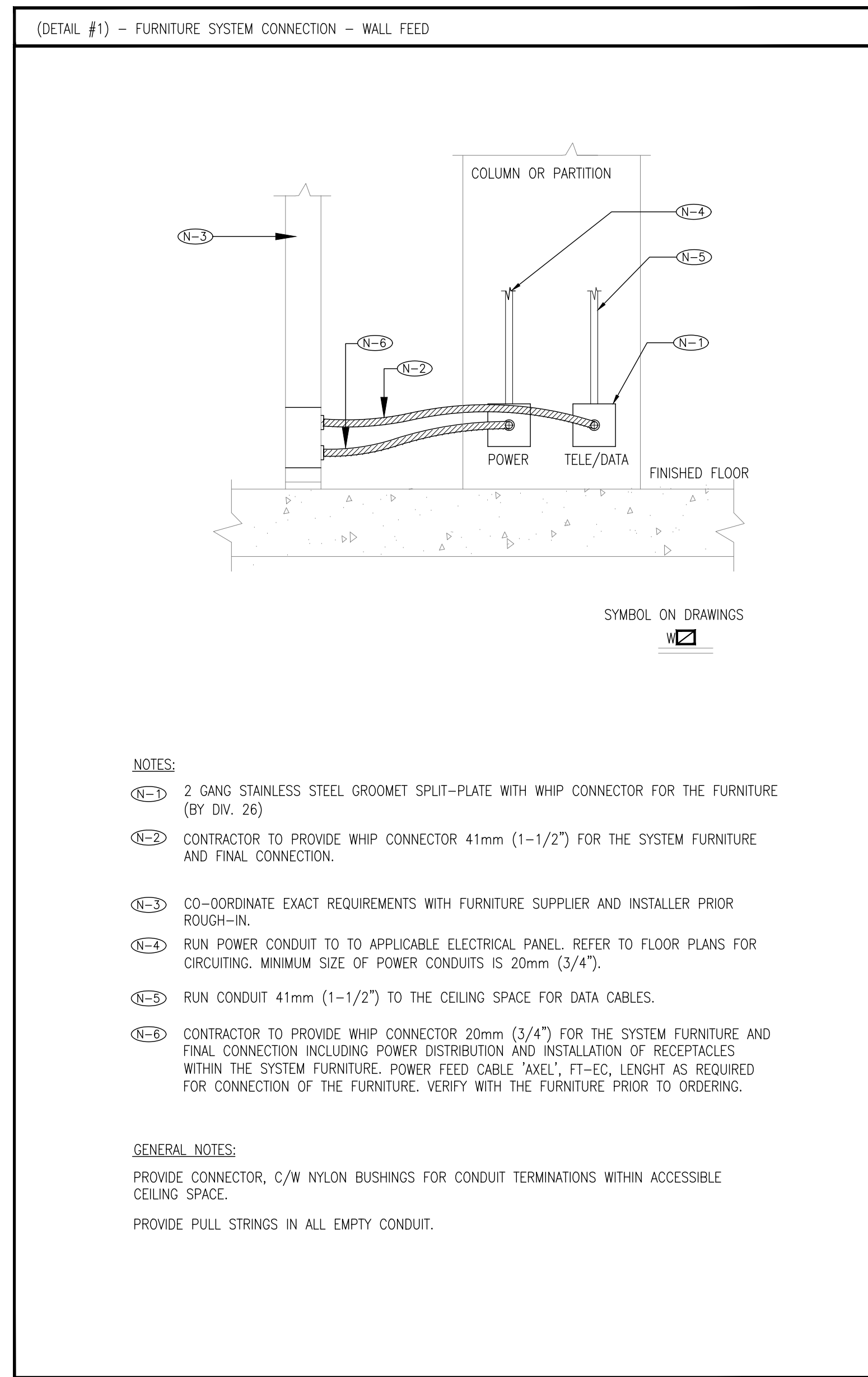
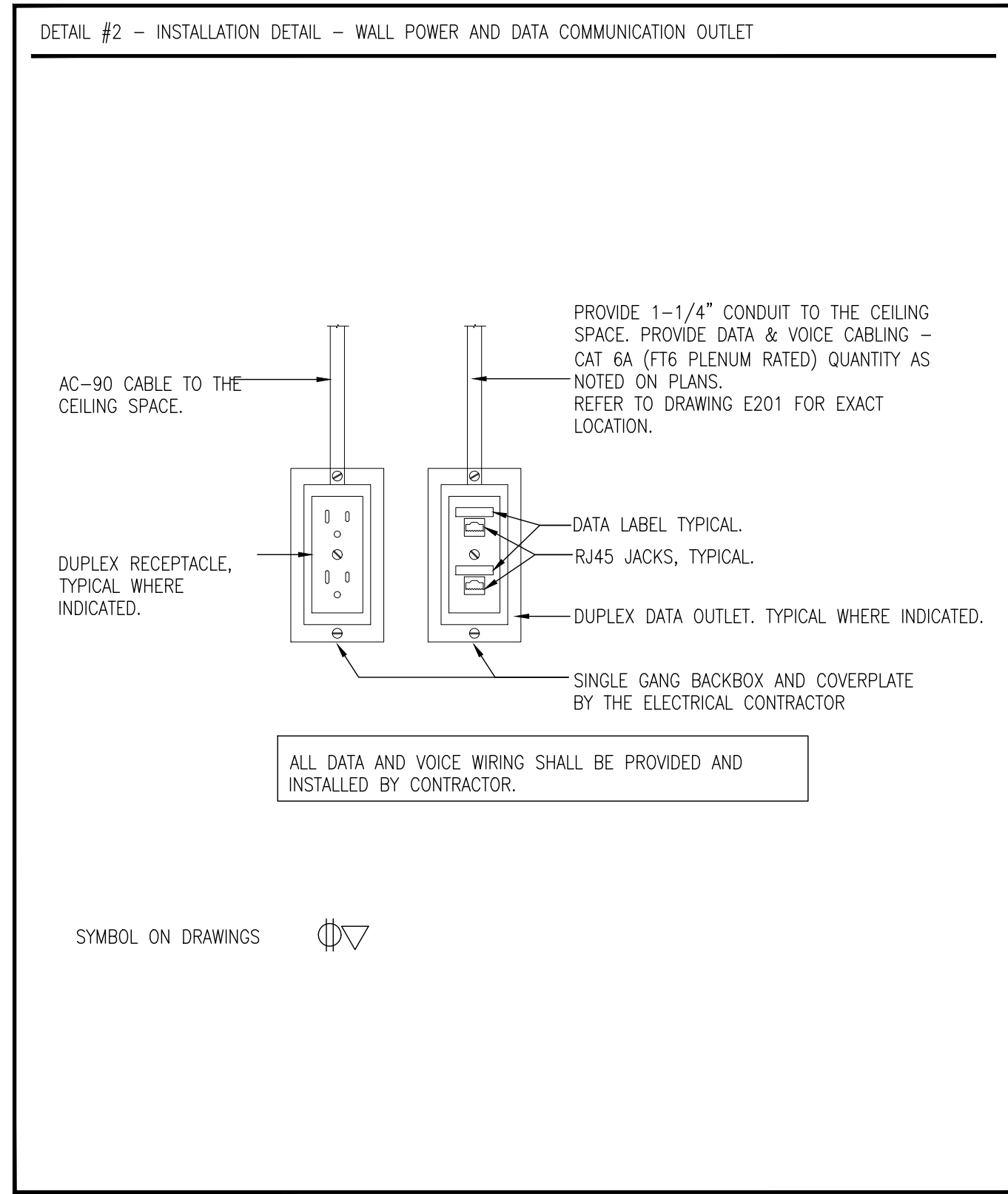
1 GENERAL: OWNER WILL SUPPLY PRE-PURCHASE MATERIALS AND EQUIPMENT TO BE INCORPORATED INTO AND DURING THE WORK. INCLUDE COSTS FOR RECEIVING, HANDLING, STORAGE IF REQUIRED, AND INSTALLATION OF MATERIAL AND EQUIPMENT IN THE CONTRACT SUM, UNLESS OTHERWISE INDICATED.

2 OWNER SUPPLIED PRODUCTS TO INCLUDE:

- TV SCREENS - 1 IN NUMBER
- OBTAIN THE NECESSARY SHOP DRAWINGS FOR THE PRODUCT AND PROCEED TO COORDINATE DETAILS FOR INSTALLATION, EXPEDITE, RECEIVE, UNLOAD, INSTALL, CONNECT AND TEST THE SPECIFIED EQUIPMENT, AND BE RESPONSIBLE FOR WARRANTY.
- SPECIFICATIONS FOR PRE-PURCHASED ITEMS ARE INCLUDED IN THE PROJECT SPECIFICATION, INFORMATION ONLY
- RECEIVE OWNER-SUPPLIED PRODUCTS AND EQUIPMENT F.O.B. AND STORE AND PROCESS

3 CONTRACTOR RESPONSIBILITIES:

- DESIGNATE SUBMITTALS AND DELIVERY DATE FOR EACH PRODUCT IN PROGRESS SCHEDULE.
- REVIEW SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER SUBMITTALS. SUBMIT TO CONSULTANT, NOTIFICATION OF ANY OBSERVED DISCREPANCIES OR PROBLEMS ANTICIPATED DUE TO NON-CONFORMANCE WITH CONTRACT DOCUMENTS.
- RECEIVE AND UNLOAD PRODUCTS AT SITE.
- INSPECT DELIVERIES JOINTLY WITH OWNER; RECORD SHORTAGES, AND DAMAGED OR DEFECTIVE ITEMS.
- HANDLE PRODUCTS AT SITE, INCLUDING UNCRATING AND STORAGE.
- PROTECT PRODUCTS FROM DAMAGE, AND FROM EXPOSURE TO ELEMENTS.
- ASSEMBLE, INSTALL, CONNECT, ADJUST, AND FINISH PRODUCTS.
- ARRANGE FOR INSTALLATION INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES.
- REPAIR OR REPLACE ITEMS DAMAGED BY CONTRACTOR OR SUBCONTRACTOR ON SITE (UNDER THEIR CONTROL).



LEGEND

SYMBOL	DESCRIPTION
---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
---	NEW WORK
	SINGLE POLE TOGGLE SWITCH
	DOUBLE POLE TOGGLE SWITCH
	3-WAY SINGLE POLE TOGGLE SWITCH
	DUPLEX RECEPTACLE 120V-1PH 15A
	DUPLEX RECEPTACLE 120V-1PH 15A WITH ISOLATED GROUND
	DUPLEX RECEPTACLE 120V-1PH 15A, SPLIT WIRED
	SPECIAL RECEPTACLE, AS INDICATED ON THE DRAWINGS
	DIRECT POWER CONNECTION 120V-1PH.
	DIRECT POWER CONNECTION 208V-1PH.
	DIRECT POWER CONNECTION 208V-3PH.
	DIRECT POWER CONNECTION 575V-3PH.
	DATA/NETWORK OUTLET
	VOICE OUTLET
	CABLE TV - COAXIAL OUTLET
	TV - HDMI OUTLET
	COMBINATION DATA/NETWORK AND VOICE OUTLET
	UNFUSED DISCONNECT SWITCH
	COMBINATION UNFUSED DISCONNECT AND MAGNETIC STARTER
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER (HAND-OFF-AUTO)
	CEILING OR WALL MOUNTED EXIT LIGHT ONE FACE-GREEN RUNNING MAN WITH BUILT IN BATTERY (ARROWS DENOTE EXIT DIRECTION)
	CEILING OR WALL MOUNTED EXIT LIGHT TWO FACE-GREEN RUNNING MAN WITH BUILT IN BATTERY (ARROWS DENOTE EXIT DIRECTION)
	EMERGENCY LIGHTING BATTERY UNIT WITH TWO LED HEADS 24V
	REMOTE EMERGENCY HEAD WALL MOUNTED / CEILING RECESSED LED 24V
AFF	ABOVE FINISHED FLOOR
GFI	GROUND FAULT INTERRUPTER
WP	WATER PROOF
A/F	FUSE RATING (AMPS)
EMT	ELECTRICAL METALLIC TUBING
EC	EMPTY CONDUIT
XP	EXPLOSION PROOF
'N'	NEW
'EX'	EXISTING TO REMAIN
'R'	REMOVE
'REL'	RELOCATE TO NEW LOCATION AS INDICATED
X.3	DENOTES CIRCUIT 3 IN THE PANEL X
TYP	TYPICAL
H/L	HIGH LEVEL
VFD	VARIABLE FREQUENCY DRIVE
HOA	MAGNETIC MOTOR STARTER HAND-OFF-AUTO
SM-SP	SOUND MASKING SPEAKER
SM-S	SOUND MASKING SENSOR
TYP	TYPICAL
W	WALL FEED SYSTEM FURNITURE CONNECTION
WB	RECESSED TV WALL BOX
FB	FLOOR RECESSED ELECTRICAL BOX
	FIRE ALARM BELL
	FIRE ALARM STROBE
	FIRE ALARM MANUAL PULL STATION
HD	CEILING MOUNTED HEAT DETECTOR
SD	CEILING MOUNTED SMOKE DETECTOR

OAKVILLE

NO	REVISIONS	DATE
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2	ISSUED FOR PERMIT/TENDER	24-06-10
1	ISSUED FOR CLIENT REVIEW	24-05-30

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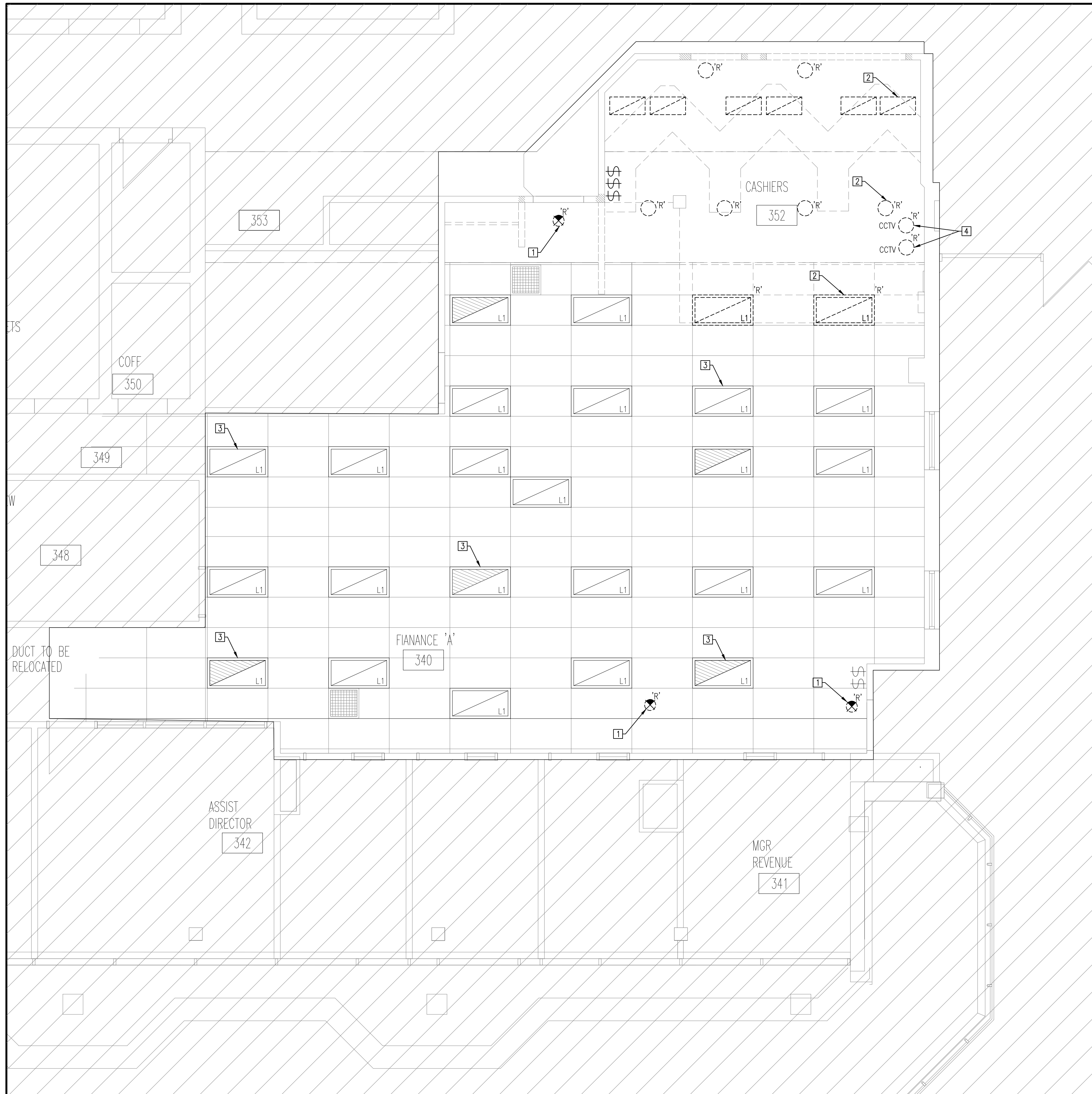
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ELECTRICAL DETAILS, NOTES AND LEGEND

GRGURIC ARCHITECTS INCORPORATED

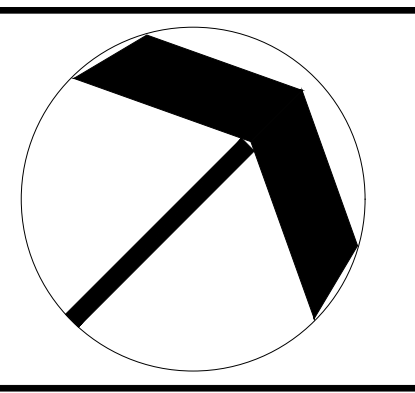
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SCALE: AS NOTED	PROJECT: 2024-08
START DATE: MAY 2024	
DRAWN: AH	DRAWING: E101
CHECKED: J.G	
PRINT DATE:	



1 REFLECTED CEILING PLAN - DEMOLITION
SCALE: 1/4"=1'-0"

- REFERENCE NOTES
- 1 EXISTING EXIT SIGN TO BE REPLACED.
 - 2 DEMOLISH EXISTING LIGHT FIXTURE. REMOVE EXISTING SWITCHES FOR POT LIGHTS AT CASHIER'S DESKS.
 - 3 RELAMP EXISTING LIGHT FIXTURE, REPLACE EGG CRATE LIGHT DIFFUSER OR PROVIDE NEW WHERE MISSING, TYP FOR ALL.
 - 4 REMOVE EXISTING CCTV CAMERA C/W ASSOCIATED WIRING.



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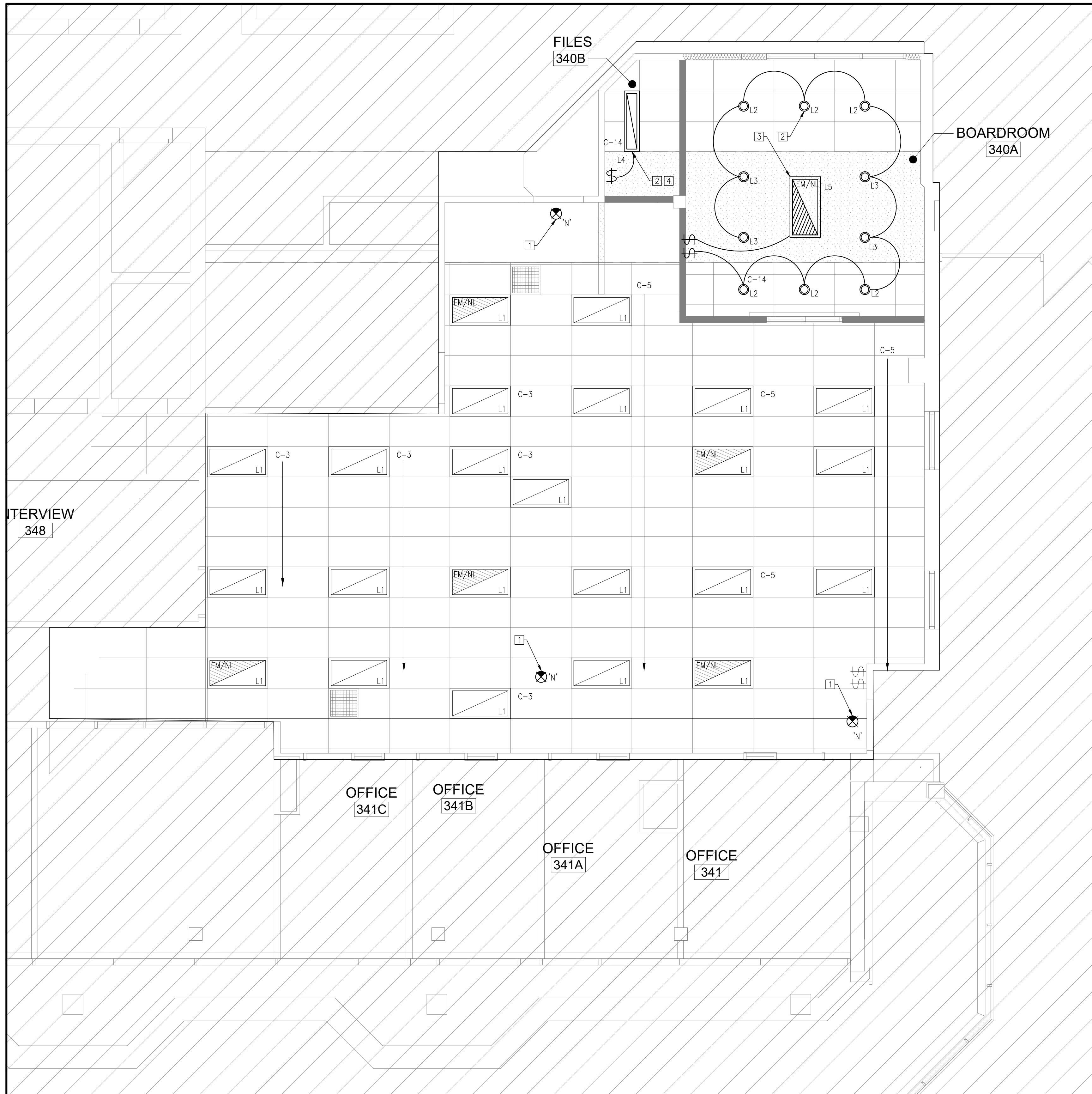
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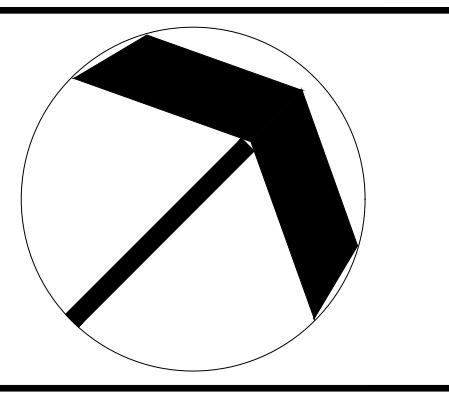
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- REFERENCE NOTES
- 1 NEW EXIT SIGN, CONNECT TO EXISTING CIRCUIT OBTAINED FROM DEMOLITION WORK.
 - 2 PROVIDE NEW LIGHT FIXTURE C/W DIMMER SWITCHES, REFER TO SCHEDULES. PROVIDE NEW 15A-1P BREAKER IN EXISTING PANEL 'C'. PROVIDE ASSOCIATED CONDUIT AND WIRING.
 - 3 WIRE DESIGNATED EMERGENCY LIGHT/NIGHT LIGHT FIXTURE FROM EXISTING CIRCUIT IN EMERGENCY PANEL 'LP-EF', REFER TO KEYPLAN ON DRAWING E100 FOR APPROXIMATE LOCATION.
 - 4 LIGHT FIXTURE TO BE SUSPENDED FROM CEILING AT SAME HEIGHT AS GYPSUM BULKHEAD.

1 REFLECTED CEILING PLAN - NEW WORK
SCALE: 1/4"=1'-0"



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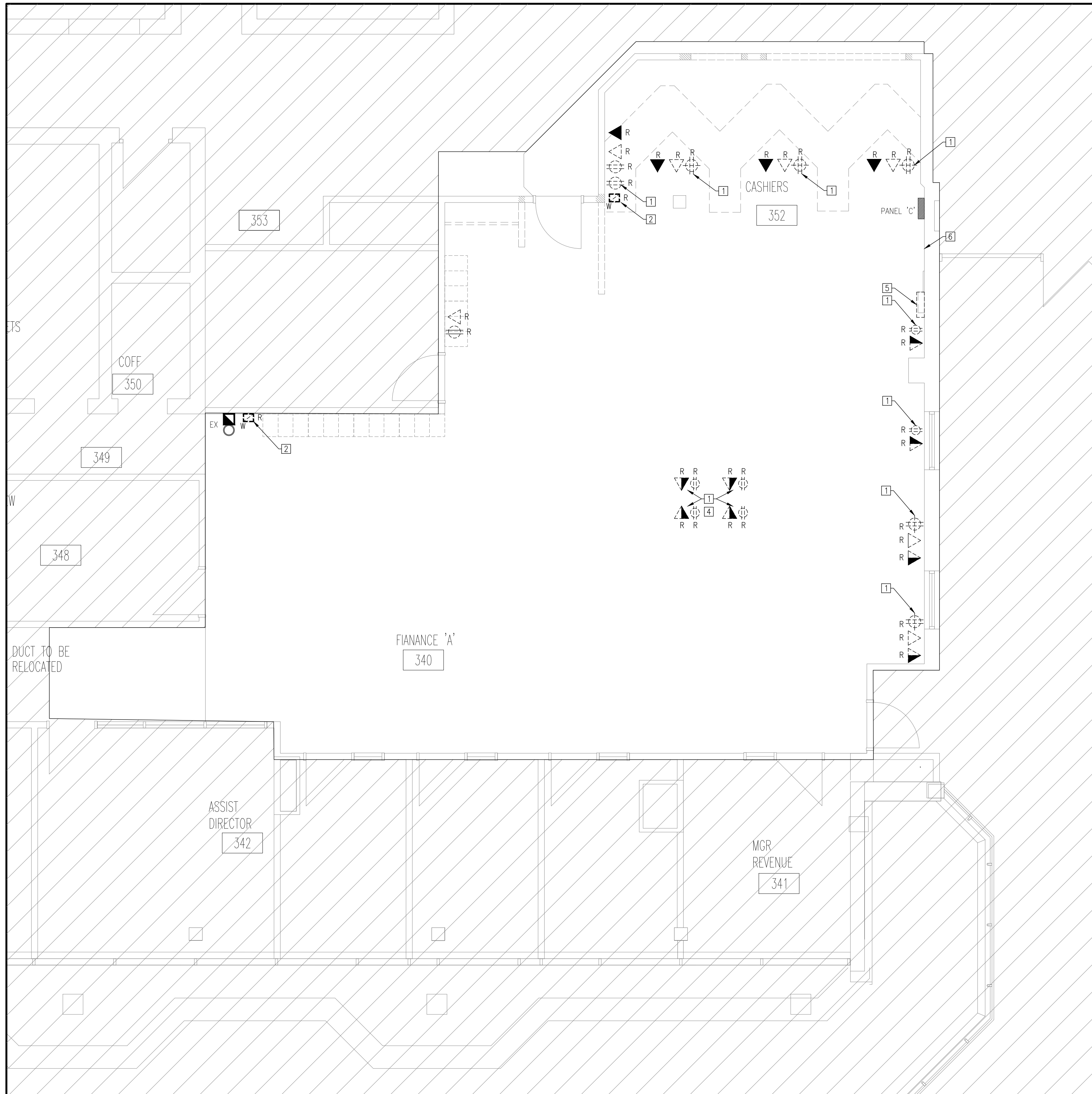
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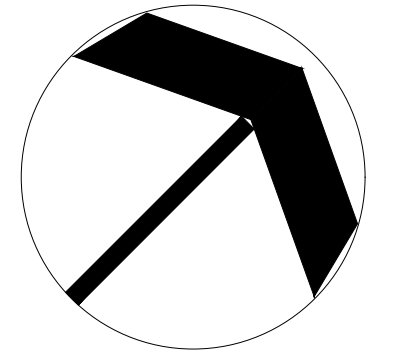
SCALE: AS NOTED	PROJECT: 2024-08
START DATE: MAY 2024	
DRAWN: AH	DRAWING: E201
CHECKED: J.G.	
PRINT DATE:	



1 POWER AND FIRE ALARM LAYOUT - DEMOLITION
SCALE: 1/4"=1'-0"

REFERENCE NOTES

- 1 EXISTING RECEPTACLES AND DATA OUTLETS SHALL BE DISCONNECTED AND REMOVED. REMOVE EXISTING CONDUITS AND WIRING BACK TO SOURCE. TRACE AND VERIFY ALL DEMOLISHED CIRCUITS, TO BE USED FOR NEW POWER CONNECTION TO SYSTEM FURNITURE AND WALL RECEPTACLES AS SPECIFIED ON E203. REMOVE DATA CABLING BACK TO SOURCE. REPAIR WALL OPENINGS TO MATCH EXISTING OR PROPOSED FINISHES.
- 2 EXISTING WALL BOX SHALL BE DISCONNECTED AND REMOVED. REMOVE EXISTING CONDUITS AND WIRING BACK TO SOURCE. TRACE AND VERIFY ALL DEMOLISHED CIRCUITS, TO BE USED FOR NEW POWER CONNECTION TO SYSTEM FURNITURE. REMOVE DATA CABLING BACK TO SOURCE.
- 3 EXISTING WALL BOX SHALL BE DISCONNECTED AND REMOVED. REMOVE EXISTING CONDUITS AND WIRING BACK TO SOURCE. TRACE AND VERIFY ALL DEMOLISHED CIRCUITS, TO BE USED FOR NEW POWER CONNECTION TO SYSTEM FURNITURE. REMOVE DATA CABLING BACK TO SOURCE.
- 4 REMOVE POWER AND DATA CABLING C/W CONDUITS FEED FROM CEILING.
- 5 REMOVE EXISTING PNEUMATIC TUBE SYSTEM PANEL C/W TUBE, CUT AND SEAL AT FLOOR, REPAIR FINISHES. COORDINATE WORK AND REPAIRS WITH ARCHITECTURAL DRAWINGS.
- 6 EXISTING 120/208V-3PH-4W, 225A ELECTRICAL PANEL 'C' - SQUARE D PANEL CAT. NO. QBL 442, SERIES T2.



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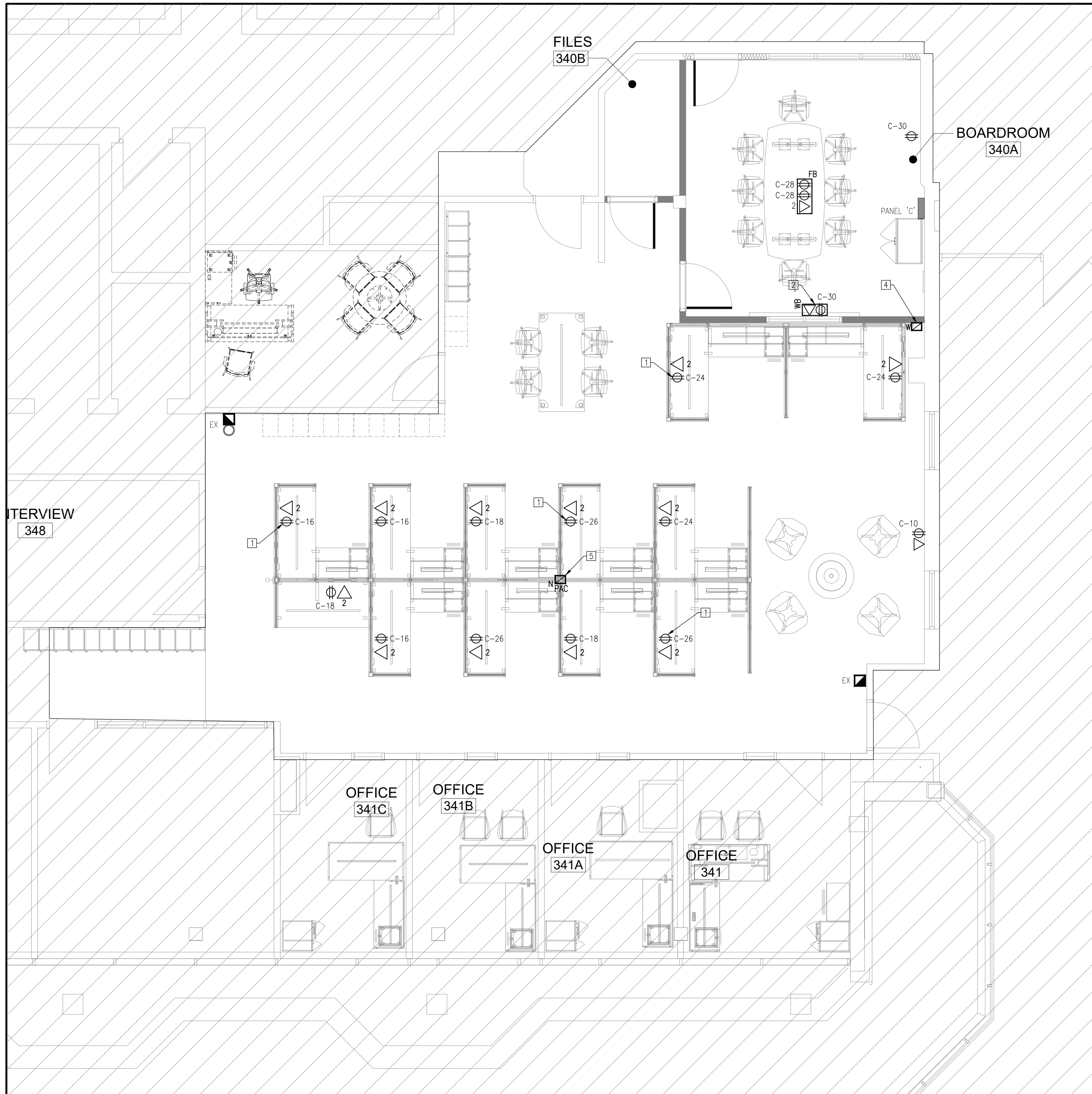
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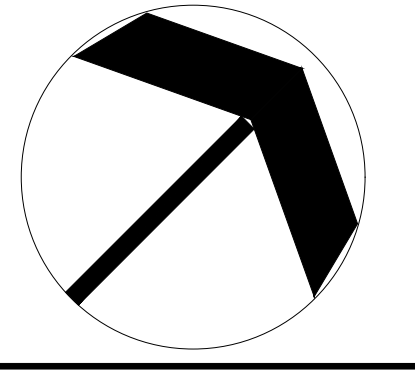
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SCALE: AS NOTED	PROJECT: 2024-08
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- REFERENCE NOTES
- 1 PROVIDE ONE DUPLEX POWER AND TWO DATA OUTLETS AT EACH WORK STATION (TYPICAL FOR ALL).
 - 2 DOUBLE GANG RECESSED WALL BOX BEHIND THE TV. EXACT LOCATION TO BE DETERMINED ON SITE ONCE TV TYPE AND HEIGHT IS COORDINATED.
 - 3 PROVIDE SURFACE MOUNTED FLOOR BOX BELOW FURNITURE. PROVIDE 2 DUPLEX RECEPTACLES AND DATA OUTLET. EXTEND WIRING IN CONDUIT FROM PANEL LP-C TO CEILING OF FLOOR OF BELOW AND UP TO FLOOR BOX. PROVIDE ALL REQUIRED CORING, FIRE STOPPING AND ALLOW FOR REMOVAL OF CEILING TILES ON FLOOR BELOW.
 - 4 PROVIDE NEW WALL BOX FOR POWER AND DATA WHIP CONNECTIONS TO SYSTEM FURNITURE, ALL WIRING SHALL HAVE SUFFICIENT LENGTH AND SLACK FOR FINAL CONNECTION TO EACH WORKSTATION. REFER TO DETAILS FOR MORE INFORMATION.
 - 5 PROVIDE NEW PAC POLE SYSTEM FURNITURE CONNECTION AT THIS LOCATION. REFER TO THE ARCHITECTURAL DRAWING FOR THE EXACT HEIGHT REQUIREMENT. PROVIDE POWER AND DATA WHIP CONNECTIONS TO SYSTEM FURNITURE, ALL WIRING SHALL HAVE SUFFICIENT LENGTH AND SLACK FOR FINAL CONNECTION TO EACH WORKSTATION. REFER TO DETAILS FOR MORE INFORMATION.

1 POWER AND FIRE ALARM LAYOUT - NEW CONSTRUCTION
E203 SCALE: 1/4"=1'-0"



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