

WINNERS ROCKLAND RFQ

2756 CHAMBERLAND ST., ROCKLAND,ON

ELECTRICAL

SPECIFICATIONS

1. GENERAL NOTES:

- The following notes apply unless otherwise noted in the scope of work or elsewhere on these drawings. In the event of a conflict between notes and plans, report to the consulting engineer for resolution.
- These documents have been prepared based on the applicable regulations, on the information provided by the client and on the visually apparent existing conditions. Nevertheless, these documents are not covered by any warranty of occurrence from either the client or the consultant.
- This contractor must visit the site to familiarize himself with the existing site conditions and electrical installation. The ignorance of these conditions can in no way justify an addition to the contract value.
- The quoted price submitted to the owner or his representative, must include all material and labour for a complete and functional installation, including all necessary changes to existing installations.
- The submitted price shall include the cost for a complete inspection (during the course of the project) of any existing electrical equipment being reused. Any existing equipment found to be unsafe or not conforming to code, shall be reported to the client or their representative, who shall decide on their replacement. A complete description of the replacement equipment shall be submitted.
- All requests for supply and connection of electrical power and telephone services, as well as all licenses, permits and other equivalent authorizations, shall be completed and obtained by this contractor. Proof of compliance is to be supplied to the client upon request.
- The norms and the particular requirements of the power company for the local district must be respected.
- All other notes on the plans are complementary to the present. Any contradiction in these documents that are not reported to the client's representative shall be left to the discretion of the client or their representatives interpretation.
- All documents issued by the architect and other consultants on this project must be read concurrently with the present document and any contradictions or errors must be immediately reported to the client or his representative prior to the installation. The client and client's representative will not accept any additional cost to the contract due to an obvious error, contradiction or interpretation other than the client's representatives design intent.
- All equipment shall be identified. Use lameacid nameplates, black with white lettering, screwed to the equipment. All wires shall be identified with unalterable markers at each end, install "P-Touch" labels on each pull box cover and on each receptacle cover to identify the panel name and circuit number in a manner approved by the engineer.
- Unless otherwise noted, all cutting and drilling of floor, walls and ceiling for electrical purposes shall be part of the electrical contract. Patching is the general contractor's responsibility. Coordinate with all trades and obtain the general contractor's agreement prior to commencing work.
- Any proposed alternate material shall be submitted with the tender document along with the applicable corresponding credit for the client's consideration. Any alternate submitted after tender may be refused.
- Unless otherwise noted, shop drawings shall be submitted for lighting fixtures, ballasts and any distribution equipment. Submit in electronic format is preferred (PDF). If hardcopies are to be submitted 3 copies will be required, two (2) shall be stamped and returned.
- The entire electrical installation must be tested and written reports must be supplied to the client or his representative.
- Unless it is specifically noted, all material shall be new and conform to the C.S.A., CUL or ETL specifications.
- The entire installation shall be made in accordance with the latest C.S.A. regulations and any authorizations having jurisdiction.

2. TEMPORARY SERVICE:

- The supply and installation of all necessary electrical equipment required for all temporary needs during the entire construction period form part of the electrical contract. This includes, among others, an entrance of sufficient capacity and the connections to equipment supplied by others (including temporary connection only to gas or oil heaters, cranes, temporary lighting, connection to job shack, etc.). The supply and replacement of the bulbs as well as the costs of the power consumption will be absorbed by the general contractor and/or the client.

3. CONDUITS AND CABLES:

- All exposed conduit runs shall run parallel to building lines. All conduits to be sized as per of the latest edition of the electrical code and revisions. All exposed runs must be done in EMT or rigid conduit where exposed to mechanical damage. BX will not be accepted.
- All conduits in concrete slab shall be rigid PVC with expansion joints and be complete with ground wire. EMT conduit shall be used elsewhere for the duration of the work. Where rigid steel conduit is called for, it shall be threaded steel conduit complete with threaded fittings and treaded boots. All conduits shall be complete with bonding conductor for continuity.
- Wherever empty conduits are specified for various systems (telephone, T.V., security, etc.), nylon or polyester pull cords shall be installed in each run and tagged at each end.
- All branch circuit wiring shall be run in conduits from panel up to a pull box in ceiling space. Install one spare 2" conduit from each panel for future use.
- All conductors of size #8 AWG or larger shall be stranded. All conductors, unless otherwise noted, shall be #12 R75 minimum in copper (R60 or R90 where required by provincial code). The use of aluminum wires will not be accepted.
- All wire connectors shall be Marrette or approved alternate. All outlet and pull boxes are to be sized as per the latest edition of the electrical code.
- Flexible seal-tight conduit shall be used for final motor connections. Flexible conduit shall be used for final heater and transformer connections.
- There will be no supplemental allowance for any relocations of equipment within 20"-0" of the location shown on plans, if the item has not yet been installed at the time of the request for relocation.
- It is the responsibility of the electrical contractor to protect his work as well as his materials against the weather, breakage and theft. This contractor will also be responsible to protect all installed materials for the duration of the work.
- All conduits crossing through walls or between floors shall be provided with a fire-stop device or fire-stop material.

4. LIGHTING PANELS:

- Lighting panels shall have bolt-on type breakers. They shall be mounted flush or surface as shown, and shall have a door with hidden hinges complete with interchangeable lock and keys. No lock centres will be accepted.
- All single pole breakers shall be of the switching type.
- Each panel shall have a directory indicating lighting or equipment connected to each circuit. Directories shall be type written and mounted with a transparent sleeve on the inside of the door.
- Breakers for special circuits controlling night lighting, exit lights, emergency lighting, alarms, or refrigerator/freezers shall be fitted with handle locks.
- Breakers for fire alarm panels and sprinkler pumps shall be fitted with locks and painted red.
- All bus bars, lugs and breaker terminals shall be silver plated at the connection point. The interrupting capacity of the breakers associated to the panel shall be 10KA for 120/208V and 14KA for 347/600V.
- All two or three pole breakers shall operate with a common trip with a single handle. Two pole breakers consisting of two single pole breakers with a tie handle or twin breakers will not be accepted. All electrical panels shall be sprinkler proofed as required to meet local and Hydro authorities.

5. RECEPTACLES AND SWITCHES:

- All switch and receptacle cover plates shall be stainless steel.
- All receptacles shall be of specification grade as shown on the legend. Colour to be white. Pass & Seymour, Hubbell and Leviton are approved manufacturers.
- All 120V receptacles fed from a 20A circuit shall be NEMA-5-20R configuration. Toggle switches shall be of specification grade and as shown on the legend. Colour to be white. Pass & Seymour, Hubbell and Leviton are approved manufacturers. All lighting controls, speed controls and volume controls shall be centred at 43-1/4" (1100 mm) above floor unless otherwise indicated.
- Switch and receptacle plates shall be stainless steel. Where receptacles are located in wet, damp or exterior locations they shall be GFI type or protected by a GFI breaker and have weatherproof cover plates. Including the above, receptacles for maintenance of rooftop mounted electrical equipment shall be 20A (5-20R).
- All computer receptacles shall be orange in colour with a stainless steel cover plates and shall be connected to dedicated circuits, each circuit with separate line, neutral and isolated (green insulated) ground wire.
- Unless otherwise noted, all receptacles shall be centred 18" (457.2 mm) A.F.F.
- In all areas the junction boxes required for receptacles, data outlets, telephone outlets, thermostats, variable speed controls, lighting switches, volume controls, fire alarm devices, security devices and emergency lighting devices are to be recessed, any conflicts between site conditions and the requested installations must immediately be signalled to the engineer and the architect for their resolution. The devices can be installed surface mounted in the storeroom, utility room, sprinkler room or electrical room if required, but a recessed installation would still be preferred wherever possible.

6. LIGHTING FIXTURES AND LAMPS:

- All lighting fixtures shall be supplied complete with lamps, plaster rings and mounting hardware. Unless otherwise noted, the electrical contractor shall include for the complete supply, installation and connection of all lighting fixtures. See fixtures list on plan.

7. TELEPHONE SYSTEM:

- Supply and install an empty conduit system complete with nylon fish cords tagged at both ends, pull boxes, panel boxes, outlet boxes, cover plates suitable for the installation of telephone cables and telephone equipment, by the telephone system installer. The complete conduit installation shall be coordinated with the telephone cable installer. Install galvanized rigid steel conduit where exposed to mechanical injury. In all other locations, EMT may be used.
- PVC duct shall be used for underground service entrance.
- Provide 120 Volt power outlet adjacent to the telephone equipment location for a telephone company step down transformer.
- Unless otherwise shown, steel pull boxes shall be installed every 100 feet or less of straight conduit run; every 75 feet or less of straight conduit run with one 90° bend or equivalent; every 50 feet of straight conduit run or less with two 90° bends or equivalent.
- A #6 AWG ground wire shall be run from the telephone service ground to the main building ground.

8. DISTRIBUTION:

- Feeders as shown shall have maximum voltage drop of 3% at full load at the panels. All panels shall be balanced under full load conditions to within 10% between phases. All phases and neutrals shall be identified and maintained in their correct order when reading left to right throughout the building.
- For 15A-120V circuits, the minimum wire size used from the breaker shall be:
8.2.1. #12 up to 100'-0" (30m) in a straight run.
8.2.2. #10 over 100'-0" (30m) up to 200'-0" (60m) in a straight run.
8.2.3. #8 over 200'-0" in a straight run.
- For 15A-347V circuits the minimum wire size used from the breaker shall be:
8.3.1. #12 up to 200'-0" (60m) in a straight run.
8.3.2. #10 over 200'-0" (60m) in a straight run.
- Each panel board shall be complete with a directory giving the number and description of each circuit controlled. The directories shall be clearly typed, legible and of ample size and shall be mounted in a metal frame with a clear plastic cover on it. The circuit breakers shall be connected to the panel by bolted connections. All bus bars, lugs and breaker terminals shall be silver plated at connection points. The interrupting capacity of each board shall be 10KA for 120/208 volt panels and 14KA for 347/600 volt panels.
- The two or three pole breakers shall operate with a common trip and with a single handle. Two pole circuit breakers consisting of two single pole breakers with a tie handle; twin breakers will not be accepted. All panel boards shall be sprinkler-proofed as required to meet local and utility authorities.
- Splitter troughs of 400 Amps and larger shall have full length bus bars.
- All disconnect switches shall be quick-make, quick-break.
- Safety switches must be fitted with a device allowing them to be padlocked in the "closed" and "open" position. All safety switches installed outdoors must be of NEMA 3 classification, unless otherwise indicated on the drawings. The safety switch shall be of the heavy duty type, equipped with blades, one direction, snap action, and with interlocked cover. The capacity is indicated on the plans. Acceptable products: Siemens, Eaton Cutler-Hammer or Square D or approved equivalent.
- Unless otherwise specified, all fuses shall be of the general purpose type, high rupture capacity, 2500A, effective symmetrical, form 1.
8.9.1. 600A and over Class L Fast Acting
8.9.2. Lighting circuits Class J Fast Acting
8.9.3. Motor and Heating loads Class J Time Delay
- Three (3) spare fuses of each type and size used of the norm code used on this project shall be supplied to the client. Good, Gould, Norm and GEC are approved manufacturers.

9. TRANSFORMERS:

- Any core transformers shall have standard taps to raise or lower the voltage. They shall be Class "H" insulation with temperature rise of 150°C. Sound level shall not exceed 47 d.b. They shall be mounted on antivibration pads of Korfund type and installed in order to maintain suitable natural ventilation. F.P.E., Delta, Hammond and Marcus are approved manufacturers.
- The secondary of the transformer shall be grounded as per standards and rules of section 10 of the latest edition of the electrical code.
- Transformers shall be installed to suit seismic norms.
- Transformers shall be installed with the clearances required by article 246-248 of the Electrical Code chapter V.

10. SERVICE ENTRANCE BOARDS:

- The service entrance board shall consist of a completely metal enclosed free standing structure consisting of a main switch compartment, hydro metering section or cell as shown on these drawings.
- Bus work shall be braced to withstand available short circuit on the system and breakers and fuses shall have adequate interrupting capacity and shall be fully coordinated with other equipment on the load and line side.
- The main switch compartment shall contain breaker of type, frame and size or fused disconnect switch with fuses of type and size as indicated. Fuse distribution panel boards shall be OMB or Breaker distribution Boards shall be C.O.P.
- The main switch or breaker of 800 Amps or more capacity shall be equipped with ground fault protection. In addition, provide ground fault equipment where indicated on the drawings.
- The metering section or cell compartment where required shall have a removable steel mounting plate and shall be equipped with all hardware and bus bars to receive the local utilities current and potential transformers. Current transformers shall be obtained from the utility and installed in the compartment by the service entrance board manufacturer or as per utilities standard requirements.
- The contractor to provide the utilities with all required drawings and protection coordination curves.

11. FIRE ALARM SYSTEM:

- Existing Fire Alarm System is MIRCOM FA-300 SERIES. Provide new fire alarm devices conforming to match base building system.
- The signalling apparatus should be placed strategically in order that the alarm signals are heard in all areas of the building. All wiring for the fire alarm system should be installed in conduit or FTS fire rated cables and coded according to the recommendations of the manufacturer.
- This contractor shall be responsible to have the entire system installed and connected to suit CAN/ULC-5524 norms and verified in accordance to CAN/ULC-5537 norms. Once all work on the system has been completed, he shall then issue all required certificates.
- All the equipment and workmanship must be free from all defects and should be accompanied by the certificate of guarantee of one year starting from the day of acceptance of the work by the owner, architect or engineer.
- All bells and horns shall be complete with integral strobe lights.
- All fire alarm panels shall be complete with battery back-up and relays for municipal tie-in and fan shut-down.

12. SEISMOLOGICAL REQUIREMENTS:

- All seismological requirements are to be verified and confirmed by the contractor with the local authority or with the person having jurisdiction. The entire electrical installation must be done to suit the seismic requirements of the local authority.
- The contractor shall undertake to engage a certified seismological consultant to inspect and certify the electrical installation and issue a report before commissioning.

13. PROJECT CLOSE OUT:

- Any work or material (being part of the electrical contract) which develops a defect within one year of the final acceptance date must be replaced at no additional cost to the client.
- After completion, the following items shall be supplied by this contractor:
13.2.1. A complete set of "AS-BUILT" drawings indicating in colour the exact location of all underground conduits, all modifications pertaining to equipment locations and changes to circuit numbers, etc. These plans are to be prepared and submitted by this contractor to the engineer prior to certificate of acceptance being issued.
13.2.2. Required certificates (for example: C.S.S.T. and C.C.Q. certificates in Quebec and C.S.A. certificates in Ontario, etc.).
13.3. The site shall be left clean and free of debris and/or waste resulting from this installation.
- The consultant and the client reserve the right to use the services of a mediator chosen as the law dictates for the resolution of any conflict with the contractors. The decision of the mediator shall be final and without appeal.
- The acceptance of the electrical installation does not relieve the contractor of his responsibility to repair and replace defective material and workmanship under the terms of this contract. Alternatively, the approval of material and/or equipment is only considered valid when same are on site, in operation, and entirely comply with the intent of the design specifications.
- All the equipment and workmanship must be free from all defects and should be accompanied by the certificate of guarantee of one year starting from the day of acceptance of the work by the owner, architect or engineer.
- Omission of producing the required documents and certificates stipulated herein within a reasonable time period shall result in a transfer of legal responsibility to the defaulting party regarding any consequential loss.

14. EXISTING EQUIPMENT:

- Should there be any electrical equipment, containing or being contaminated with hazardous material, it shall be disposed of by this contractor in a method approved by the environmental authorities, and the client or his representative shall be provided with written documentation of its disposal.
- Upon completion of modifications to panels or any other equipment, where required, proof of CSA conformity from a recognized firm or authority shall be obtained and a copy forwarded to the client or his representative.

15. REQUIREMENTS FOR CONTROLS IN A BARRIER-FREE DESIGN:

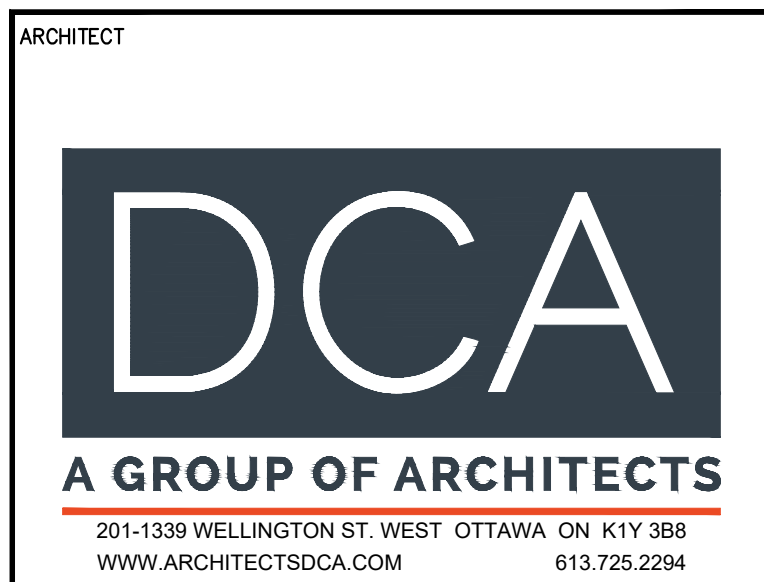
- Manual pull stations must be operable using one hand and with a force of not more than 22.2 N. In the case of all other controls they must be operable using a closed fist with a force of not more than 22.2 N.
- Thermostats and manual pull stations shall be mounted not more than 1200 mm (47-1/4") to center above the finished floor.
- All other controls shall be mounted not less than 900 mm (35-1/2") and not more than 1100 mm (43-1/4") to center above the finished floor.

LIST OF DRAWINGS—LISTE DES DESSINS	
DRAWING #	TITLE
E1	ELECTRICAL TITLE PAGE
E2	ELECTRICAL PANEL SCHEDULES
E3	ELECTRICAL LIGHTING AND FIRE ALARM DEMOLITION WORK
E4	ELECTRICAL LIGHTING AND FIRE ALARM NEW WORK
E5	ELECTRICAL POWER AND SYSTEMS DEMOLITION WORK
E6	ELECTRICAL POWER AND SYSTEMS NEW WORK
E7	ELECTRICAL DETAILS 1 / 2
E8	ELECTRICAL DETAILS 2 / 2

ADDITIONAL NOTES

1	THIS CONTRACTOR SHALL SCHEDULE ALL HIS WORK TO SUIT THE GENERAL CONTRACTORS PROJECT SCHEDULE.
2	THIS CONTRACTOR SHALL CO-ORDINATE ALL HIS WORK WITH BOTH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO INSTALLING HIS EQUIPMENT, AND CONFLICTS SHALL BE SETTLED BY THE GENERAL CONTRACTOR.
3	THIS CONTRACTOR SHALL CO-ORDINATE THE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL HIS EQUIPMENT WITH THE GENERAL CONTRACTOR PRIOR TO INSTALLATION.
4	THIS CONTRACTOR SHALL SUPPLY AND INSTALL NEW CONDUITS AND BOXES FOR THE CASHES, TO BE LOCATED IN THE CEILING SPACE ON THE OUTSIDE WALL NEAR THE CASHES, HE SHALL CO-ORDINATE ALL THIS WORK WITH BOTH THE GENERAL CONTRACTOR PRIOR TO INSTALLATION.
5	ALL THE EXTERIOR BUILDING LIGHTING IS SUPPLIED, INSTALLED AND CONNECTED BY THE LANDLORD TO THE LANDLORDS SERVICE.
6	THIS CONTRACTOR SHALL MAKE FINAL CONNECTIONS AT BOTH ENDS OF ALL SIGNS. THIS CONTRACTOR SHALL CONNECT ALL INDIVIDUAL LETTERS OF SIGNS, THE EXACT LOCATION OF ALL SIGNS SHALL BE COORDINATED ON SITE WITH THE GENERAL CONTRACTOR PRIOR TO INSTALLATION.
7	NO SUBSTITUTIONS WITHOUT APPROVAL FROM TJX
8	I.G. RECEPTABLES SHALL NOT BE GANGED WITH ANY OTHER TYPE OF RECEPTACLE, UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
9	SEE HOMESINE PROTOTYPICAL DRAWINGS FOR OPEN CEILING REQUIREMENTS.
10	ALL LINE VOLTAGE CONNECTIONS ARE BY THIS CONTRACTOR AND LOW VOLTAGE CONNECTIONS ARE BY OTHERS.
11	ALL CONDUITS MUST HAVE NYLON PULL CORD TAGGED ON BOTH ENDS AND PULL BOXES AT EVERY 100' OR 75' DEPENDING ON THE NUMBERS OF WIRES IN THE CONDUIT.

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	LOCKABLE DISCONNECT SWITCH
	MOTOR RATED ISOLATOR SWITCH LOCKABLE (ARROW HINT #8010-0)
	JUNCTION BOX (4"x4" UNLESS OTHERWISE NOTED)
	MOTOR 14 BY OTHERS (WIRING AND ELECTRICAL CONNECTION BY THIS CONTRACTOR)
	MOTOR 34 BY OTHERS (WIRING AND ELECTRICAL CONNECTION BY THIS CONTRACTOR)
	DUPLEX CONVENIENCE RECEPTACLE, CENTRELINE 14" A.F.F. UNLESS OTHERWISE NOTED
	COMBINATION OF A DUPLEX RECEPTACLE AND TWO USB OUTLETS (LEGEND #1502625B)
	GFI DUPLEX RECEPTACLE
	QUAD RECEPTACLE
	DEDICATED DUPLEX RECEPTACLE
	QUAD RECEPTACLE WITH ISOLATED GROUND. NOTE: ALL ISOLATED GROUND OUTLETS TO BE ORANGE IN COLOUR
	QUAD RECEPTACLE LOCATED ABOVE CEILING SPACE OR AT U/S DECK IN OPEN CEILING CONFIGURATION
	DUPLEX CONVENIENCE RECEPTACLE LOCATED ABOVE CEILING SPACE OR AT U/S DECK IN OPEN CEILING CONFIGURATION
	DUPLEX RECEPTACLE WITH ISOLATED GROUND, CENTRELNE 14" A.F.F. UNLESS OTHERWISE NOTED. THE NUMBER REPRESENTS THE TOTAL QUANTITY OF THE RECEPTABLES (NOT BE GANGED). NOTE: ALL ISOLATED GROUND OUTLETS TO BE ORANGE IN COLOUR
	5-20R RECEPTACLE
	RECEPTACLE MOUNTED OVER COUNTER - REFER TO DETAILS AND ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS
	SQUARE PACK POLE. REFER TO PLANS FOR SPECIFICATIONS CER MODEL CP2
	ELECTRICAL PANEL (AS SPECIFIED)
	SWITCH
	THREE WAY SWITCH
	347 DUAL TECHNOLOGY OCCUPANCY SENSOR (GREEN GATE #JWC-07-2000-R WITH #SP15-347 SWITCH PACK)
	180 DUAL TECHNOLOGY OCCUPANCY SENSOR (GREEN GATE #JWC-07-0701-R WITH #SP15-347 SWITCH PACK)
	360 PIR OCCUPANCY SENSOR (GREEN GATE #JWC-P-0500 WITH #SP15-347 SWITCH PACK)
	347 DUAL TECHNOLOGY OCCUPANCY SENSOR AND WINDOW (WATT STOPPER: DW-311-W-347V)
	FIRE ALARM BELL
	FIRE ALARM MANUAL PULL STATION (TO BE COMPLETE WITH LEAD COVER, SAFETY TECHNOLOGY INTERNATIONAL, 6600 SERIES MINI STOPPER II)
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM BOOSTER PANEL
	STARTER BY OTHERS (ELECTRICAL CONTRACTOR TO PROVIDE FINAL CONNECTIONS WHERE REQUIRED)
	PUSH BUTTON FOR DOCK LEVELER OR OVERHEAD DOOR CONTROLS BY OTHERS, ELECTRICAL CONTRACTOR TO PROVIDE FINAL CONNECTIONS WHERE REQUIRED
	ELECTRIC STROBE - INSTALL 1/2" CONDUIT C/W NYLON FISH CORD FROM THE JOISTS TO THE DOOR FRAME. REFER TO INSTALLATION NOTES FOR MORE INFORMATION.
	STROBE AND STROBE - INSTALL 1/2" CONDUIT C/W NYLON FISH CORD FROM THE JOISTS TO THE DEVICE LOCATION. REFER TO INSTALLATION NOTES FOR MORE INFORMATION.
	SAFE DOOR CONTACT - INSTALL 1/2" CONDUIT C/W NYLON FISH CORD FROM THE JOISTS TO THE DEVICE LOCATION. REFER TO INSTALLATION NOTES FOR MORE INFORMATION.
	DOOR CONTACT - INSTALL 1/2" CONDUIT C/W NYLON FISH CORD FROM THE JOISTS TO THE DEVICE LOCATION. REFER TO INSTALLATION NOTES FOR MORE INFORMATION.
	WEATHERPROOF
A.F.F.	ABOVE FINISHED FLOOR
U/S	UNDERSIDE
	INTRUSION ALARM CONTROL PANEL, PROVIDED AND INSTALLED BY OTHERS; BOXES, CONDUITS AND ELECTRICAL CONNECTIONS BY THIS CONTRACTOR
	ENERGY MANAGEMENT SYSTEM CONTROL PANEL, PROVIDED AND INSTALLED BY OTHERS; BOXES, CONDUITS AND ELECTRICAL CONNECTIONS BY THIS CONTRACTOR
	CAMERA - INSTALL 1/2" CONDUIT C/W NYLON FISH CORD FROM THE JOISTS TO THE CAMERA LOCATION IN OPEN CEILING AREAS. DECK. REFER TO INSTALLATION NOTES FOR MORE INFORMATION.
	WALL MOUNTED TELEPHONE OUTLET C/W 3/4" CONDUIT AND PULL CORD UP TO CEILING SPACE
	BOX FOR DATA AND TELEPHONE OUTLET COMPLETE WITH 3/4" CONDUIT TO THE CEILING SPACE OF ALL underground conduits, all modifications pertaining to equipment locations and changes to circuit numbers, etc. These plans are to be prepared and submitted by this contractor to the engineer prior to certificate of acceptance being issued.
	VOLUME CONTROL BY OTHERS TO BE MOUNTED SAME HEIGHT AS LIGHTING CONTROLS UNLESS OTHERWISE INDICATED. (LANTION BOX AND CONDUIT 3/4" CONDUIT C/W NYLON FISH CORD UP TO CEILING SPACE BY THIS CONTRACTOR.)
	MOTION SENSOR - INSTALL 1/2" CONDUIT C/W NYLON FISH CORD FROM THE JOISTS TO THE MOTION SENSOR LOCATION IN OPEN CEILING AREAS. DECK. REFER TO INSTALLATION NOTES FOR MORE INFORMATION.
	KEY PAD FOR THE INTRUSION ALARM SYSTEM BY OTHERS. INSTALL 1/2" CONDUIT C/W NYLON FISH CORD FROM C/W RECESSED BOX TO THE UPPER DECK. THE CENTER OF THE BOX IS TO BE INSTALLED AT 3'-7" A.F.F.
	GLASS BREAK DETECTOR FOR THE SECURITY SYSTEM BY OTHERS. INSTALL 1/2" CONDUIT C/W NYLON FISH CORD FROM THE CEILING (UNDERSIDE OF THE LIGHTING FIXTURES IN OPEN CEILING CONCEPT) TO THE UPPER DECK. REFER TO INSTALLATION NOTES FOR MORE INFORMATION.
	LINE VOLTAGE THERMOSTAT - SUPPLIED AND INSTALLED BY CONTROLS CONTRACTOR, CONNECTED BY THIS CONTRACTOR. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
	360 DEGREE MOTION SENSOR FOR THE SECURITY SYSTEM BY OTHERS. INSTALL 1/2" CONDUIT C/W NYLON FISH CORD FROM THE CEILING (UNDERSIDE OF THE LIGHTING FIXTURES IN OPEN CEILING CONCEPT) TO THE UPPER DECK. REFER TO INSTALLATION NOTES FOR MORE INFORMATION.
	LARGE DIAMETER DESTRATIFICATION FAN SUPPLIED AND INSTALLED BY OTHERS, AND CONNECTED BY THIS CONTRACTOR. FAN CONTROLS TO BE RECESSED INTO THE FIRE ALARM SYSTEM FOR AUTOMATIC SHUTDOWN UPON ACTIVATION OF THE FIRE ALARM SYSTEM. PROVIDE AND INSTALL RELAYS AS REQUIRED. COORDINATE WITH THE MECHANICAL CONTRACTOR AND REFER TO THE MANUFACTURERS DOCUMENTATION FOR ALL CONTROL REQUIREMENTS.
	HOT WATER TANK
	SPEED CONTROLLER
	SINGLE PHASE ELECTRIC MOTOR
	THREE PHASE ELECTRIC MOTOR - HORSEPOWER AS SHOWN
	SECURITY MOTION SENSOR



WINNERS

DATE	REVISION	REF
11/14/24	ISSUED FOR TENDER	5
10/18/24	ISSUED FOR REVIEW 2	4
08/09/24	ISSUED FOR REVIEW 1	3
08/07/24	ISSUED FOR COORDINATION	2
03/28/24	ISSUED FOR REVIEW	1

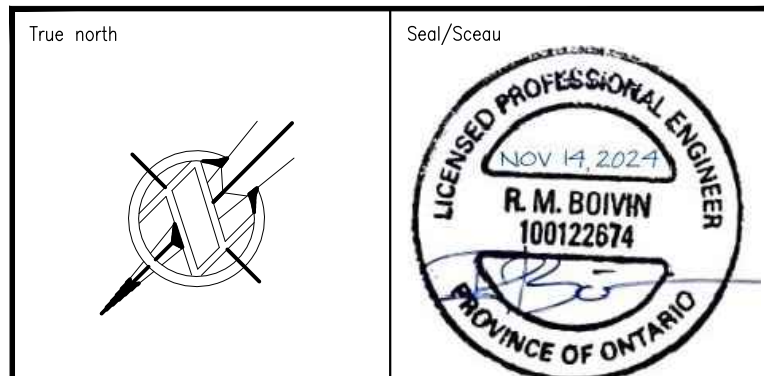
THE CONTRACTOR AGREES TO HAVE ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH MAY BE CAUSED BY THE CONTRACTOR'S NEGLIGENCE OR FAILURE TO FOLLOW THE ENGINEER'S SPECIFICATIONS AND THE DESIGN INTENT OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE PROJECT AND SHALL BE RESPONSIBLE FOR THE DESIGN OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE PROJECT.

LE CONCESSIONAIRE S'ENGAGE À AVOIR TOUTE RESPONSABILITÉ ET RESPONSABILITÉ POUR LES PROBLÈMES QUI PEUVENT ÊTRE CAUSÉS PAR LA NÉGLIGENCE DU CONCESSIONAIRE OU SON ÉCHEC À SUIVRE LES SPÉCIFICATIONS DE L'INGÉNIEUR ET L'INTENTION DE CONCEPTION DU PROJET. LE CONCESSIONAIRE SERA RESPONSABLE DE LA CONCEPTION DU PROJET ET SERA RESPONSABLE DE LA CONCEPTION DU PROJET. LE CONCESSIONAIRE SERA RESPONSABLE DE LA CONCEPTION DU PROJET. LE CONCESSIONAIRE SERA RESPONSABLE DE LA CONCEPTION DU PROJET.

LE CONCESSIONAIRE S'ENGAGE À AVOIR TOUTE RESPONSABILITÉ ET RESPONSABILITÉ POUR LES PROBLÈMES QUI PEUVENT ÊTRE CAUSÉS PAR LA NÉGLIGENCE DU CONCESSIONAIRE OU SON ÉCHEC À SUIVRE LES SPÉCIFICATIONS DE L'INGÉNIEUR ET L'INTENTION DE CONCEPTION DU PROJET. LE CONCESSIONAIRE SERA RESPONSABLE DE LA CONCEPTION DU PROJET ET SERA RESPONSABLE DE LA CONCEPTION DU PROJET. LE CONCESSIONAIRE SERA RESPONSABLE DE LA CONCEPTION DU PROJET. LE CONCESSIONAIRE SERA RESPONSABLE DE LA CONCEPTION DU PROJET.



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Project/Projet
WINNERS FIT-OUT
ROCKLAND PLAZA

Drawing/100/100 du dessin
ELECTRICAL
TITLE PAGE

Scale Échelle	AS NOTED 2024-221	Project no./No. du projet
Design by Conçu par	C.SMITH	Drawing/100/100 du dessin
Drawn by Dessiné par	A.TCHACOROM	E1
Reviewed by Examiné par	C.SMITH	of 8

LIGHTING FIXTURE SCHEDULE					
SYMBOL	SIZE	MOUNTING	LAMPS PER FIXTURE	VOLT	REMARKS
	2'-0" x 4'-0"	RECESSED	1 LED 17W (1000H) 4000K	347	SALES FLOOR: COOPER 24C22-1000H-S-347V-L840-C01-U BACK OF HOUSE: COOPER 24C22-75H-S-347V-L840-C01-U
	2'-0" x 4'-0"	RECESSED	1 LED 17W (1000H) 4000K	347	SALES FLOOR: COOPER 24C22-1000H-S-347V-L840-C01-U BACK OF HOUSE: COOPER 24C22-75H-S-347V-L840-C01-U
	DOWNLIGHT	RECESSED	1 LED 17W 4000K	347	UTELINE: SUMPROS-40K-C-WH
	DOWNLIGHT	RECESSED	1 LED 17W 4000K	347	UTELINE: SUMPROS-40K-C-WH
	SPOTLIGHT	SUSPENDED	8 LED 20W	120	CONNECT LIGHTING: CLT003-145-0-0-P C/W JUNG T-SERIES WHITE TRACK (LIGHT AS REQUIRED). TRACK TO BE SUSPENDED ON THREADED RODS AT 12'-0" A.F.F. TO THE BOTTOM OF THE TRACK. FOR A CLOSED CEILING STROBE PROVIDE 24" 190 SERIES PENDANT STRIPS TO LOWER THE TRACK TO 12'-0" A.F.F.
	DOWNLIGHT	SURFACE	1 LED 33W 4000K	347	UTELINE: R60S-33F-C-90WHH
	STRIP 4'-0"	SURFACE	1 LED 40W	347	STANDARD: L25TN-48LS4-Q/40K (FOR USE AS AN ALTERNATIVE ONLY WHERE SPACING DOES NOT ALLOW FOR THE INSTALLATION OF A G2 FIXTURE)
	STRIP 4'-0"	SURFACE	1 LED 40W	347	STANDARD: L25TN-48LS4-Q/40K (FOR USE AS AN ALTERNATIVE ONLY WHERE SPACING DOES NOT ALLOW FOR THE INSTALLATION OF A G2 FIXTURE)
	STRIP 8'-0"	SURFACE	1 LED 75W	347	STANDARD: L25TN-96LS1-Q/40K
	STRIP 8'-0"	SURFACE	1 LED 75W	347	STANDARD: L25TN-96LS1-Q/40K
	ILLUMINATED 4" VANCE LIGHT	SURFACE	1 LED 18W 18V PROVIDED	347	TYPICAL 4" VANCE LIGHTING FIXTURE. FIXTURES, TUBES, PLASTIC TUBE SLEEVES AND 20 SPARE TUBES (FOR MAINTENANCE PURPOSES) ARE SUPPLIED BY OTHERS. ELECTRICAL CONTRACTOR IS TO INSTALL AND CONNECT LIGHT FIXTURES.
	RING LIGHT	SUSPENDED	1 LED 14W 4000K	120	TMS LIGHTING: CUS34041
	2'-0" x 2'-0"	RECESSED	1 LED 25W	347	COOPER: 22C22-34H-S-347V-L840-C01-U
	2'-0" x 2'-0"	RECESSED	1 LED 25W	347	COOPER: 22C22-34H-S-347V-L840-C01-U
	16" HIGH BAY	SUSPENDED	1 LED 111W 4000K	347	COOPER: SSLED-L05-15-W-L840-C01-WP/SHK-U-MC15-SSLED-PR22-U REFLECTOR HT
	8" DOWNLIGHT	RECESSED	1 LED 33W 4000K	347	UTELINE: SUMPROS-40K-C-WH
	EXTERIOR LIGHTING	WALL	1 LED 26W	347	COOPER: XT03B-W-347V
	VAPOR PROOF	WALL	1 LED 14W	120	RAB DESIGN: DV8RS-LED-14W/QL100CL-RB/0101000S
	DOCK LIGHT	WALL	1 LED 24W 4000K	120	RAB DESIGN: DL-LED24-A-KYLW-LH C/W DL-60MM LOADING DOCK TASK LIGHT, MOUNTED AT 6'-4" A.F.F. NEARLY COOL AND TIE W/HP ANY EXCESS POWER CORD.
	EMERGENCY LIGHTING	CEILING	2 LED 4W	12	EMERG-LITE: E79-0-N-L0 OR LUMACELL: M-QM-2-L07
	EMERGENCY LIGHTING	WALL	2 LED 4W	12	EMERG-LITE: E79-0-N-L0 OR LUMACELL: M-QM-2-L07
	EMERGENCY BATTERY	WALL	2 LED 4W	12	EMERG-LITE: 12ESL-100-2-L0 OR LUMACELL: RC12S-100-2-L07 UNLESS OTHERWISE NOTED
	EXIT SIGNS	CEILING	-	-	PHOTOLUMINESCENT
	EXIT SIGNS	WALL	-	-	PHOTOLUMINESCENT

1. THIS CONTRACTOR IS REQUIRED TO CONTACT THE AUTHORIZED LIGHTING FIXTURE DISTRIBUTOR: "TRIUMPH EMERGENCY INC." 330 CARLENGVIEW DRIVE TORONTO, ONTARIO, M9W 5S5 TEL: 416-248-0176 FAX: 416-248-9018

OUTSIDE SALES: GREG PEECH (CELL) 416-524-7910 EMAIL: greg.peech@fetc.com

INSIDE SALES: MONIKA GOSWAMI 416-248-0176 EXT 242 COLLEEN BATSOK 416-248-0178 EXT 239

WEB ADDRESS: fetc.com

2. ALL LIGHTING FIXTURES AS PER FIXTURE LIST NO SUBSTITUTIONS.

3. REFER TO DRAWINGS FOR QUANTITIES.

EXISTING PANEL	LP-B1
VOLTAGE	120/208V
PHASE	3
WIRE	4
RATING AMPS	225A
TRIM	SURFACE

CASH SERVICE POLE	1	2	SPARE
EXTERIOR SIGN	20	2	SPARE
SPARE	48	6	SPARE
CHECK OUT SIGNAGE	20	8	SPARE
SPARE	11	12	SPARE
CASH REGISTER	15	15	SPARE
GFI WOMEN WASHROOM	15	16	SPARE
GFI MEN WASHROOM	15	17	SPARE
CEILING RECEPTACLE	15	20	SPARE
PLUG LUNCH ROOM	15	22	SPARE
PLUG LUNCH ROOM	15	24	SPARE
SALES FLOOR REC.	15	25	SPARE
STOCKROOM REC.	15	32	SPARE
STAFF SUPPORT ROOM	15	37	SPARE
PUBLIC CORRIDOR	15	40	SPARE
E7A, E7B, E7F	15	41	SPARE
UNIDENTIFIED	15	42	SPARE
UNIDENTIFIED	15	43	SPARE
UNIDENTIFIED	15	44	SPARE
UNIDENTIFIED	15	45	SPARE
UNIDENTIFIED	15	46	SPARE
UNIDENTIFIED	15	47	SPARE
UNIDENTIFIED	15	48	SPARE
UNIDENTIFIED	15	49	SPARE
UNIDENTIFIED	15	50	SPARE
RECOILATION PUMP	15	53	SPARE
CLEANING MACHINE	15	54	SPARE
UNIVERSAL WASHROOM	15	57	SPARE
GAS UNIT HEATER	15	59	SPARE
SALES FLOOR FIXTURES	15	61	SPARE
E7F2, E7F3	15	63	SPARE
SPACE	15	65	SPARE
SPACE	15	67	SPARE
SPACE	15	68	SPARE
SPACE	15	69	SPARE
SPACE	15	70	SPARE
SPACE	15	71	SPARE
SPACE	15	72	SPARE
SPACE	15	73	SPARE
SPACE	15	74	SPARE
SPACE	15	75	SPARE
SPACE	15	76	SPARE
SPACE	15	77	SPARE
SPACE	15	78	SPARE
SPACE	15	79	SPARE
SPACE	15	80	SPARE
SPACE	15	81	SPARE
SPACE	15	82	SPARE
SPACE	15	83	SPARE

EXISTING PANEL	LP-B3
VOLTAGE	120/208V
PHASE	3
WIRE	4
RATING AMPS	225A
TRIM	SURFACE

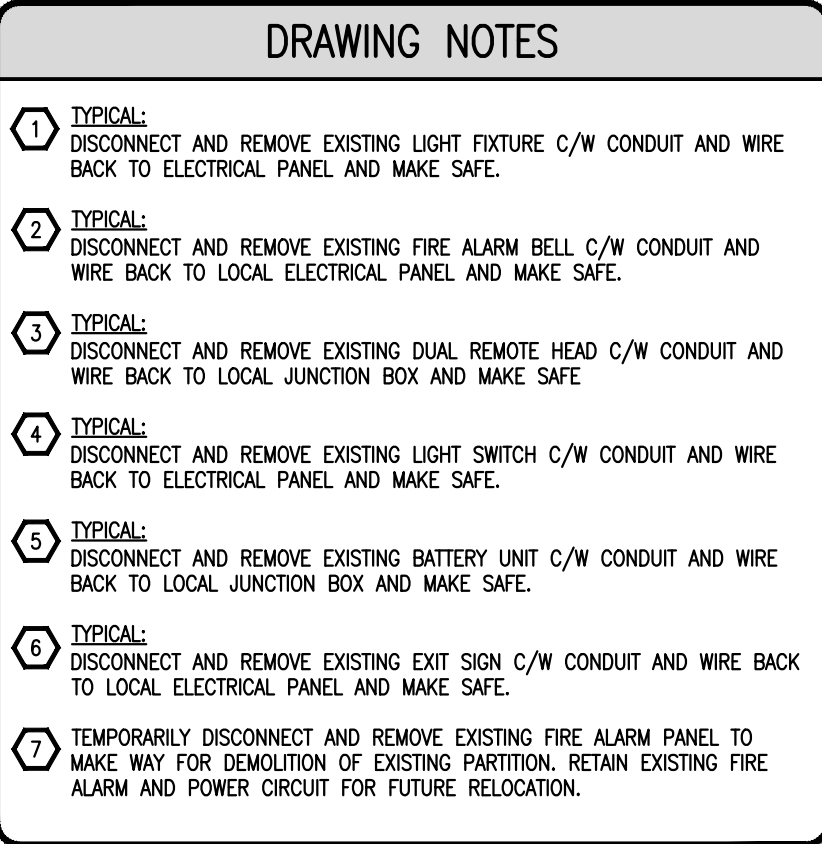
CASH REGISTER RECEPTACLE	15	2	SPARE
CASH REGISTER RECEPTACLE	15	3	SPARE
CASH REGISTER RECEPTACLE	15	4	SPARE
CASH REGISTER RECEPTACLE	15	5	SPARE
CASH REGISTER RECEPTACLE	15	6	SPARE
CASH REGISTER RECEPTACLE	15	7	SPARE
CASH REGISTER RECEPTACLE	15	8	SPARE
CASH REGISTER RECEPTACLE	15	9	SPARE
CASH REGISTER RECEPTACLE	15	10	SPARE
CASH REGISTER RECEPTACLE	15	11	SPARE
CASH REGISTER RECEPTACLE	15	12	SPARE
CASH REGISTER RECEPTACLE	15	13	SPARE
CASH REGISTER RECEPTACLE	15	14	SPARE
CASH REGISTER RECEPTACLE	15	15	SPARE
CASH REGISTER RECEPTACLE	15	16	SPARE
CASH REGISTER RECEPTACLE	15	17	SPARE
CASH REGISTER RECEPTACLE	15	18	SPARE
CASH REGISTER RECEPTACLE	15	19	SPARE
CASH REGISTER RECEPTACLE	15	20	SPARE
CASH REGISTER RECEPTACLE	15	21	SPARE
CASH REGISTER RECEPTACLE	15	22	SPARE
CASH REGISTER RECEPTACLE	15	23	SPARE
CASH REGISTER RECEPTACLE	15	24	SPARE
CASH REGISTER RECEPTACLE	15	25	SPARE
CASH REGISTER RECEPTACLE	15	26	SPARE
CASH REGISTER RECEPTACLE	15	27	SPARE
CASH REGISTER RECEPTACLE	15	28	SPARE
CASH REGISTER RECEPTACLE	15	29	SPARE
CASH REGISTER RECEPTACLE	15	30	SPARE
CASH REGISTER RECEPTACLE	15	31	SPARE
CASH REGISTER RECEPTACLE	15	32	SPARE
CASH REGISTER RECEPTACLE	15	33	SPARE
CASH REGISTER RECEPTACLE	15	34	SPARE
CASH REGISTER RECEPTACLE	15	35	SPARE
CASH REGISTER RECEPTACLE	15	36	SPARE
CASH REGISTER RECEPTACLE	15	37	SPARE
CASH REGISTER RECEPTACLE	15	38	SPARE
CASH REGISTER RECEPTACLE	15	39	SPARE
CASH REGISTER RECEPTACLE	15	40	SPARE
CASH REGISTER RECEPTACLE	15	41	SPARE
CASH REGISTER RECEPTACLE	15	42	SPARE
CASH REGISTER RECEPTACLE	15	43	SPARE
CASH REGISTER RECEPTACLE	15	44	SPARE
CASH REGISTER RECEPTACLE	15	45	SPARE
CASH REGISTER RECEPTACLE	15	46	SPARE
CASH REGISTER RECEPTACLE	15	47	SPARE
CASH REGISTER RECEPTACLE	15	48	SPARE
CASH REGISTER RECEPTACLE	15	49	SPARE
CASH REGISTER RECEPTACLE	15	50	SPARE
CASH REGISTER RECEPTACLE	15	51	SPARE
CASH REGISTER RECEPTACLE	15	52	SPARE
CASH REGISTER RECEPTACLE	15	53	SPARE
CASH REGISTER RECEPTACLE	15	54	SPARE
CASH REGISTER RECEPTACLE	15	55	SPARE
CASH REGISTER RECEPTACLE	15	56	SPARE
CASH REGISTER RECEPTACLE	15	57	SPARE
CASH REGISTER RECEPTACLE	15	58	SPARE
CASH REGISTER RECEPTACLE	15	59	SPARE
CASH REGISTER RECEPTACLE	15	60	SPARE
CASH REGISTER RECEPTACLE	15	61	SPARE
CASH REGISTER RECEPTACLE	15	62	SPARE
CASH REGISTER RECEPTACLE	15	63	SPARE
CASH REGISTER RECEPTACLE	15	64	SPARE
CASH REGISTER RECEPTACLE	15	65	SPARE
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CASH REGISTER RECEPTACLE	15	67	SPARE
CASH REGISTER RECEPTACLE	15	68	SPARE
CASH REGISTER RECEPTACLE	15	69	SPARE
CASH REGISTER RECEPTACLE	15	70	SPARE
CASH REGISTER RECEPTACLE	15	71	SPARE
CASH REGISTER RECEPTACLE	15	72	SPARE
CASH REGISTER RECEPTACLE	15	73	SPARE
CASH REGISTER RECEPTACLE	15	74	SPARE
CASH REGISTER RECEPTACLE	15	75	SPARE
CASH REGISTER RECEPTACLE	15	76	SPARE
CASH REGISTER RECEPTACLE	15	77	SPARE
CASH REGISTER RECEPTACLE	15	78	SPARE
CASH REGISTER RECEPTACLE	15	79	SPARE
CASH REGISTER RECEPTACLE	15	80	SPARE
CASH REGISTER RECEPTACLE	15	81	SPARE
CASH REGISTER RECEPTACLE	15	82	SPARE
CASH REGISTER RECEPTACLE	15	83	SPARE

EXISTING PANEL	LP-C
VOLTAGE	120/208V
PHASE	3
WIRE	4
RATING AMPS	225A
TRIM	SURFACE

4/4 BOX FOR SECURITY CAMERAS	15	2	SPARE
4/4 BOX FOR SECURITY ALARMS	15	3	SPARE
BELL DEAD PLUG FENCE	15	4	SPARE
BELL DEAD PLUG FENCE	15	5	SPARE
BELL DEAD PLUG FENCE	15	6	SPARE
BELL DEAD PLUG FENCE	15	7	SPARE
BELL DEAD PLUG FENCE	15	8	SPARE
BELL DEAD PLUG FENCE	15	9	SPARE
BELL DEAD PLUG FENCE	15	10	SPARE
BELL DEAD PLUG FENCE	15	11	SPARE
BELL DEAD PLUG FENCE	15	12	SPARE
BELL DEAD PLUG FENCE	15	13	SPARE
BELL DEAD PLUG FENCE	15	14	SPARE
BELL DEAD PLUG FENCE	15	15	SPARE
BELL DEAD PLUG FENCE	15	16	SPARE
BELL DEAD PLUG FENCE	15	17	SPARE
BELL DEAD PLUG FENCE	15	18	SPARE
BELL DEAD PLUG FENCE	15	19	SPARE
BELL DEAD PLUG FENCE	15	20	SPARE
BELL DEAD PLUG FENCE	15	21	SPARE
BELL DEAD PLUG FENCE	15	22	SPARE
BELL DEAD PLUG FENCE	15	23	SPARE
BELL DEAD PLUG FENCE	15	24	SPARE
BELL DEAD PLUG FENCE	15	25	SPARE
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BELL DEAD PLUG FENCE	15	27	SPARE
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BELL DEAD PLUG FENCE	15	32	SPARE
BELL DEAD PLUG FENCE	15	33	SPARE
BELL DEAD PLUG FENCE	15	34	SPARE
BELL DEAD PLUG FENCE	15	35	SPARE
BELL DEAD PLUG FENCE	15	36	SPARE
BELL DEAD PLUG FENCE	15	37	SPARE
BELL DEAD PLUG FENCE	15	38	SPARE
BELL DEAD PLUG FENCE	15	39	SPARE
BELL DEAD PLUG FENCE	15	40	SPARE
BELL DEAD PLUG FENCE	15	41	SPARE
BELL DEAD PLUG FENCE	15	42	SPARE
BELL DEAD PLUG FENCE	15	43	SPARE
BELL DEAD PLUG FENCE	15	44	SPARE
BELL DEAD PLUG FENCE	15	45	SPARE
BELL DEAD PLUG FENCE	15	46	SPARE
BELL DEAD PLUG FENCE	15	47	SPARE
BELL DEAD PLUG FENCE	15	48	SPARE
BELL DEAD PLUG FENCE	15	49	SPARE
BELL DEAD PLUG FENCE	15	50	SPARE
BELL DEAD PLUG FENCE	15	51	SPARE
BELL DEAD PLUG FENCE	15	52	SPARE
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BELL DEAD PLUG FENCE	15	63	SPARE
BELL DEAD PLUG FENCE	15	64	SPARE
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BELL DEAD PLUG FENCE	15	66	SPARE
BELL DEAD PLUG FENCE	15	67	SPARE
BELL DEAD PLUG FENCE	15	68	SPARE
BELL DEAD PLUG FENCE	15	69	SPARE
BELL DEAD PLUG FENCE	15	70	SPARE
BELL DEAD PLUG FENCE	15	71	SPARE
BELL DEAD PLUG FENCE	15	72	SPARE
BELL DEAD PLUG FENCE	15	73	SPARE
BELL DEAD PLUG FENCE	15	74	SPARE
BELL DEAD PLUG FENCE	15	75	SPARE
BELL DEAD PLUG FENCE	15	76	SPARE
BELL DEAD PLUG FENCE	15	77	SPARE
BELL DEAD PLUG FENCE	15	78	SPARE
BELL DEAD PLUG FENCE	15	79	SPARE
BELL DEAD PLUG FENCE	15	80	SPARE
BELL DEAD PLUG FENCE	15	81	SPARE
BELL DEAD PLUG FENCE	15	82	SPARE
BELL DEAD PLUG FENCE	15	83	SPARE

EXISTING PANEL		LP-AA	
VOLTAGE		347/600V	
PHASE		3	
WIRE		4	
RATING AMPS		225A	
TRIM		SURFACE	

CONT 'A' SALES FLOOR LIGHTING	20	1	20	2	RIGHT LIGHTING	LOOK
CONT 'B' SALES FLOOR LIGHTING	20	3	20	3	SALES FLOOR LIGHTING	CONT 'X'
CONT 'C' SALES FLOOR LIGHTING	20	5	20	4	EXTERIOR LIGHTING	CONT 'Y'
CONT 'D' STOCKROOM LIGHTING	20	7	20	5	PARKING LIGHTS	
CONT 'E' OFFICE LIGHTING	20	8	20	6	PARKING LIGHTS	
CONT 'F' NIGHT LIGHTING	20	11	20	7	PARKING LIGHTS	
CONT 'G' EMERGENCY BATTERY UNITS	20	13	20	8	BASEBOARD HEATER	
CONT 'H' NIGHT LIGHTING	20	15	20	9	VALENCE LIGHTING	CONT 'Y'
CONT 'I' NIGHT LIGHTING	20	17	20	10	SPARE	
CONT 'J' NIGHT LIGHTING	20	19	20	11	SPARE	
CONT 'K' NIGHT LIGHTING	20	21	20	12	SPARE	
CONT 'L' NIGHT LIGHTING	20	23	20	13	SPARE	
CONT 'M' NIGHT LIGHTING	20	25	20	14	SPARE	
CONT 'N' NIGHT LIGHTING	20	27	20	15	SPARE	
CONT 'O' NIGHT LIGHTING	20	29	20	16	SPARE	
CONT 'P' NIGHT LIGHTING	20	31	20	17	SPARE	
CONT 'Q' NIGHT LIGHTING	20	33	20	18	SPARE	
CONT 'R' NIGHT LIGHTING	20	35	20	19	SPARE	
CONT 'S' NIGHT LIGHTING	20	37	20	20	SPARE	
CONT 'T' NIGHT LIGHTING	20	39	20	21	SPARE	
CONT 'U' NIGHT LIGHTING	20	41	20	22	SPARE	
CONT 'V' NIGHT LIGHTING	20	43	20	23	SPARE	
CONT 'W' NIGHT LIGHTING	20	45	20	24	SPARE	
CONT 'X' NIGHT LIGHTING	20	47	20	25	SPARE	
CONT 'Y' NIGHT LIGHTING	20	49	20	26	SPARE	
CONT 'Z' NIGHT LIGHTING	20	51	20	27	SPARE	
CONT 'AA' NIGHT LIGHTING	20	53	20	28	SPARE	
CONT 'AB' NIGHT LIGHTING	20	55	20	29	SPARE	
CONT 'AC' NIGHT LIGHTING	20	57	20	30	SPARE	
CONT 'AD' NIGHT LIGHTING	20	59	20	31	SPARE	
CONT 'AE' NIGHT LIGHTING	20	61	20	32	SPARE	
CONT 'AF' NIGHT LIGHTING	20	63	20	33	SPARE	
CONT 'AG' NIGHT LIGHTING	20	65	20	34	SPARE	
CONT 'AH' NIGHT LIGHTING	20	67	20	35	SPARE	
CONT 'AI' NIGHT LIGHTING	20	69	20	36	SPARE	
CONT 'AJ' NIGHT LIGHTING	20	71	20	37	SPARE	
CONT 'AK' NIGHT LIGHTING	20	73	20	38	SPARE	
CONT 'AL' NIGHT LIGHTING	20	75	20	39	SPARE	
CONT 'AM' NIGHT LIGHTING	20	77	20	40	SPARE	
CONT 'AN' NIGHT LIGHTING	20	79	20	41	SPARE	
CONT 'AO' NIGHT LIGHTING	20	81	20	42	SPARE	
CONT 'AP' NIGHT LIGHTING	20	83	20	43	SPARE	
CONT 'AQ' NIGHT LIGHTING	20	85	20	44	SPARE	
CONT 'AR' NIGHT LIGHTING	20	87	20	45	SPARE	
CONT 'AS' NIGHT LIGHTING	20	89	20	46	SPARE	
CONT 'AT' NIGHT LIGHTING	20	91	20	47	SPARE	
CONT 'AU' NIGHT LIGHTING	20	93	20	48	SPARE	
CONT 'AV' NIGHT LIGHTING	20	95	20	49	SPARE	
CONT 'AW' NIGHT LIGHTING	20	97	20	50	SPARE	
CONT 'AX' NIGHT LIGHTING	20	99	20	51	SPARE	
CONT 'AY' NIGHT LIGHTING	20	101	20	52	SPARE	
CONT 'AZ' NIGHT LIGHTING	20	103	20	53	SPARE	
CONT 'BA' NIGHT LIGHTING	20	105	20	54	SPARE	
CONT 'BB' NIGHT LIGHTING	20	107	20	55	SPARE	
CONT 'BC' NIGHT LIGHTING	20	109	20	56	SPARE	
CONT 'BD' NIGHT LIGHTING	20	111	20	57	SPARE	
CONT 'BE' NIGHT LIGHTING	20	113	20	58	SPARE	
CONT 'BF' NIGHT LIGHTING	20	115	20	59	SPARE	
CONT 'BG' NIGHT LIGHTING	20	117	20	60	SPARE	
CONT 'BH' NIGHT LIGHTING	20	119	20	61	SPARE	
CONT 'BI' NIGHT LIGHTING	20	121	20	62	SPARE	
CONT 'BJ' NIGHT LIGHTING	20	123	20	63	SPARE	
CONT 'BK' NIGHT LIGHTING	20	125	20	64	SPARE	
CONT 'BL' NIGHT LIGHTING	20	127	20	65	SPARE	
CONT 'BM' NIGHT LIGHTING	20	129	20	66	SPARE	
CONT 'BN' NIGHT LIGHTING	20	131	20	67	SPARE	
CONT 'BO' NIGHT LIGHTING	20	133	20	68	SPARE	
CONT 'BP' NIGHT LIGHTING	20	135	20	69	SPARE	
CONT 'BQ' NIGHT LIGHTING	20	137	20	70	SPARE	
CONT 'BR' NIGHT LIGHTING	20	139	20	71	SPARE	
CONT 'BS' NIGHT LIGHTING	20	141	20	72	SPARE	
CONT 'BT' NIGHT LIGHTING	20	143	20	73	SPARE	
CONT 'BU' NIGHT LIGHTING	20	145	20	74	SPARE	
CONT 'BV' NIGHT LIGHTING	20	147	20	75	SPARE	
CONT 'BW' NIGHT LIGHTING	20	149	20	76	SPARE	
CONT 'BX' NIGHT LIGHTING	20	151	20	77	SPARE	
CONT 'BY' NIGHT LIGHTING	20	153	20	78	SPARE	
CONT 'BZ' NIGHT LIGHTING	20	155	20	79	SPARE	
CONT 'CA' NIGHT LIGHTING	20	157	20	80	SPARE	
CONT 'CB' NIGHT LIGHTING	20	159	20	81	SPARE	
CONT 'CC' NIGHT LIGHTING	20	161	20	82	SPARE	
CONT 'CD' NIGHT LIGHTING	20	163	20	83	SPARE	
CONT 'CE' NIGHT LIGHTING	20	165	20	84	SPARE	
CONT 'CF' NIGHT LIGHTING	20	167	20	85	SPARE	
CONT 'CG' NIGHT LIGHTING	20	169	20	86	SPARE	
CONT 'CH' NIGHT LIGHTING	20	171	20	87	SPARE	
CONT 'CI' NIGHT LIGHTING	20	173	20	88	SPARE	
CONT 'CJ' NIGHT LIGHTING	20	175	20	89	SPARE	
CONT 'CK' NIGHT LIGHTING	20	177	20	90	SPARE	
CONT 'CL' NIGHT LIGHTING	20	179	20	91	SPARE	
CONT 'CM' NIGHT LIGHTING	20	181	20	92	SPARE	
CONT 'CN' NIGHT LIGHTING	20	183	20	93	SPARE	
CONT 'CO' NIGHT LIGHTING	20	185	20	94	SPARE	
CONT 'CP' NIGHT LIGHTING	20	187	20	95	SPARE	
CONT 'CQ' NIGHT LIGHTING	20	189	20	96	SPARE	
CONT 'CR' NIGHT LIGHTING	20	191	20	97	SPARE	
CONT 'CS' NIGHT LIGHTING	20	193	20	98	SPARE	
CONT 'CT' NIGHT LIGHTING	20	195	20	99	SPARE	
CONT 'CU' NIGHT LIGHTING	20	197	20	100	SPARE	
CONT 'CV' NIGHT LIGHTING	20	199	20	101	SPARE	
CONT 'CW' NIGHT LIGHTING	20	201	20	102	SPARE	
CONT 'CX' NIGHT LIGHTING	20	203	20	103	SPARE	
CONT 'CY' NIGHT LIGHTING	20	205	20	104	SPARE	
CONT 'CZ' NIGHT LIGHTING	20	207	20	105	SPARE	
CONT 'DA' NIGHT LIGHTING	20	209	20	106	SPARE	
CONT 'DB' NIGHT LIGHTING	20	211	20	107	SPARE	
CONT 'DC' NIGHT LIGHTING	20	213	20	108	SPARE	
CONT 'DD' NIGHT LIGHTING	20	215	20	109	SPARE	
CONT 'DE' NIGHT LIGHTING	20	217	20	110	SPARE	
CONT 'DF' NIGHT LIGHTING	20	219	20	111	SPARE	
CONT 'DG' NIGHT LIGHTING	20	221	20	112	SPARE	
CONT 'DH' NIGHT LIGHTING	20	223	20	113	SPARE	
CONT 'DI' NIGHT LIGHTING	20	225	20	114	SPARE	
CONT 'DJ' NIGHT LIGHTING	20	227	20	115	SPARE	
CONT 'DK' NIGHT LIGHTING	20	229	20	116	SPARE	
CONT 'DL' NIGHT LIGHTING	20	231	20	117	SPARE	
CONT 'DM' NIGHT LIGHTING	20	233	20	118	SPARE	
CONT 'DN' NIGHT LIGHTING	20	235	20	119	SPARE	
CONT 'DO' NIGHT LIGHTING	20	237	20	120	SPARE	
CONT 'DP' NIGHT LIGHTING	20	239	20	121	SPARE	
CONT 'DQ' NIGHT LIGHTING	20	241	20	122	SPARE	
CONT 'DR' NIGHT LIGHTING	20	243	20	123	SPARE	
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CONT 'HH' NIGHT LIGHTING	20	431	20	217	SPARE	
CONT '						



Client

ARCHITECT

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201-1339 WELLINGTON ST. WEST OTTAWA ON K1Y 3B8
WWW.ARCHITECTSDCA.COM 613.725.2294

TENANT

TJX[®]
CANADA
WINNERS
WINNERS MERCHANDISE INC. 8715 BROADBENT ROAD, SUITE #200 MISSISSAUGA, ONTARIO L4Y 1T2

11/14/24	ISSUED FOR TENDER	5
10/18/24	ISSUED FOR REVIEW 2	4
08/09/24	ISSUED FOR REVIEW 1	3
08/07/24	ISSUED FOR COORDINATION	2
03/28/24	ISSUED FOR REVIEW	1
DATE	REVISION	REF

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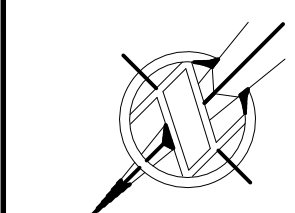
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True north



Project/Projekt

WINNERS FIT-OUT ROCKLAND PLAZA

Original title/Titre du dessin

ELECTRICAL
LIGHTING AND FIRE ALARM
DEMOLITION WORK

Scale	AS NOTED	Project no./No.
Echelle		2024-221

Design by

C. SMITH

Done by:

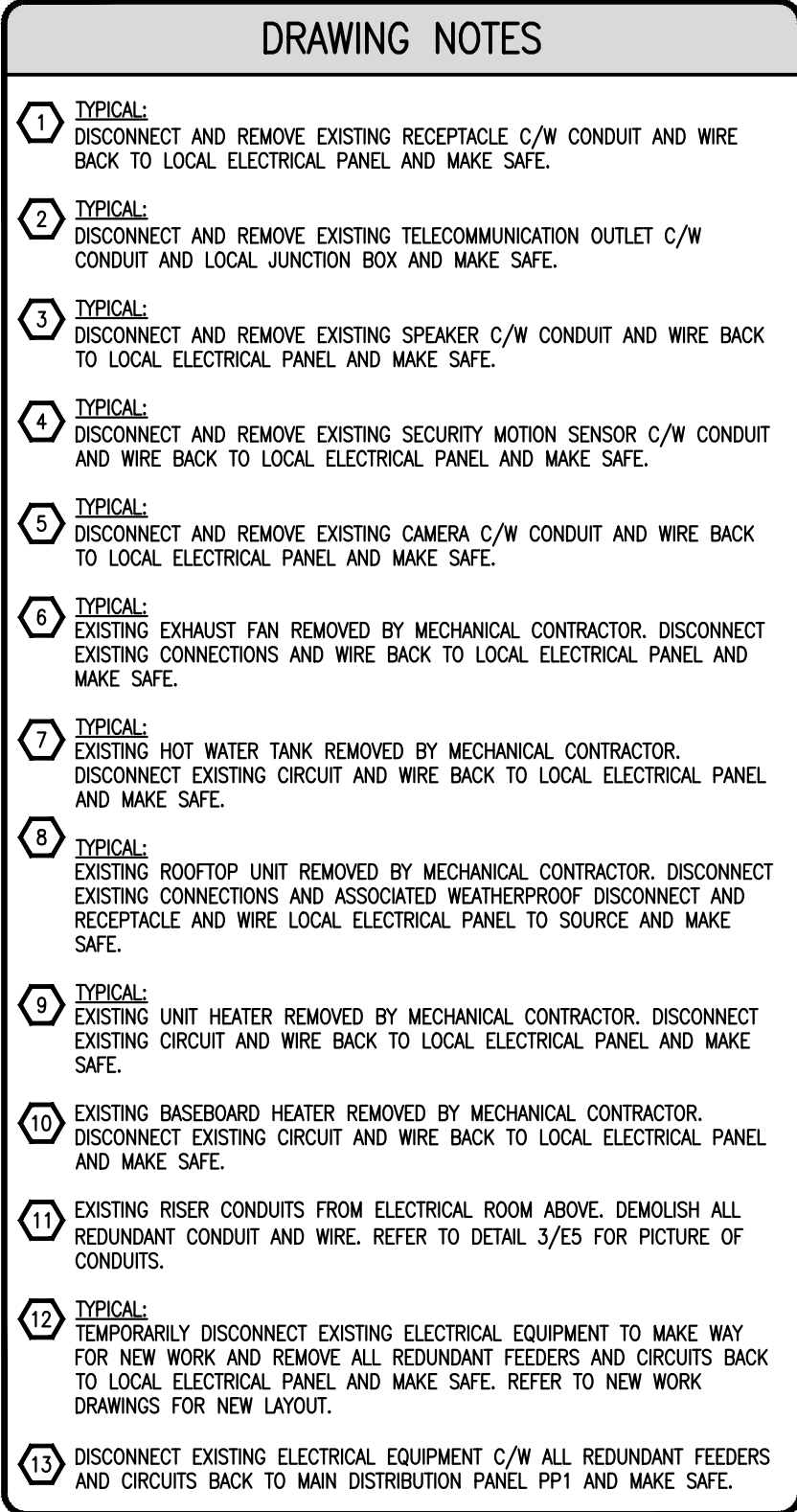
A.TCHACOROM

Defining λ :

C. SMITH

E3

OF 8



3 RISER CONDUIT PICTURE
E5 1/8"=1'0"



11/14/24	ISSUED FOR TENDER	5
10/18/24	ISSUED FOR REVIEW 2	4
08/09/24	ISSUED FOR REVIEW 1	3
08/07/24	ISSUED FOR COORDINATION	2
03/28/24	ISSUED FOR REVIEW	1
DATE	REVISION	REF

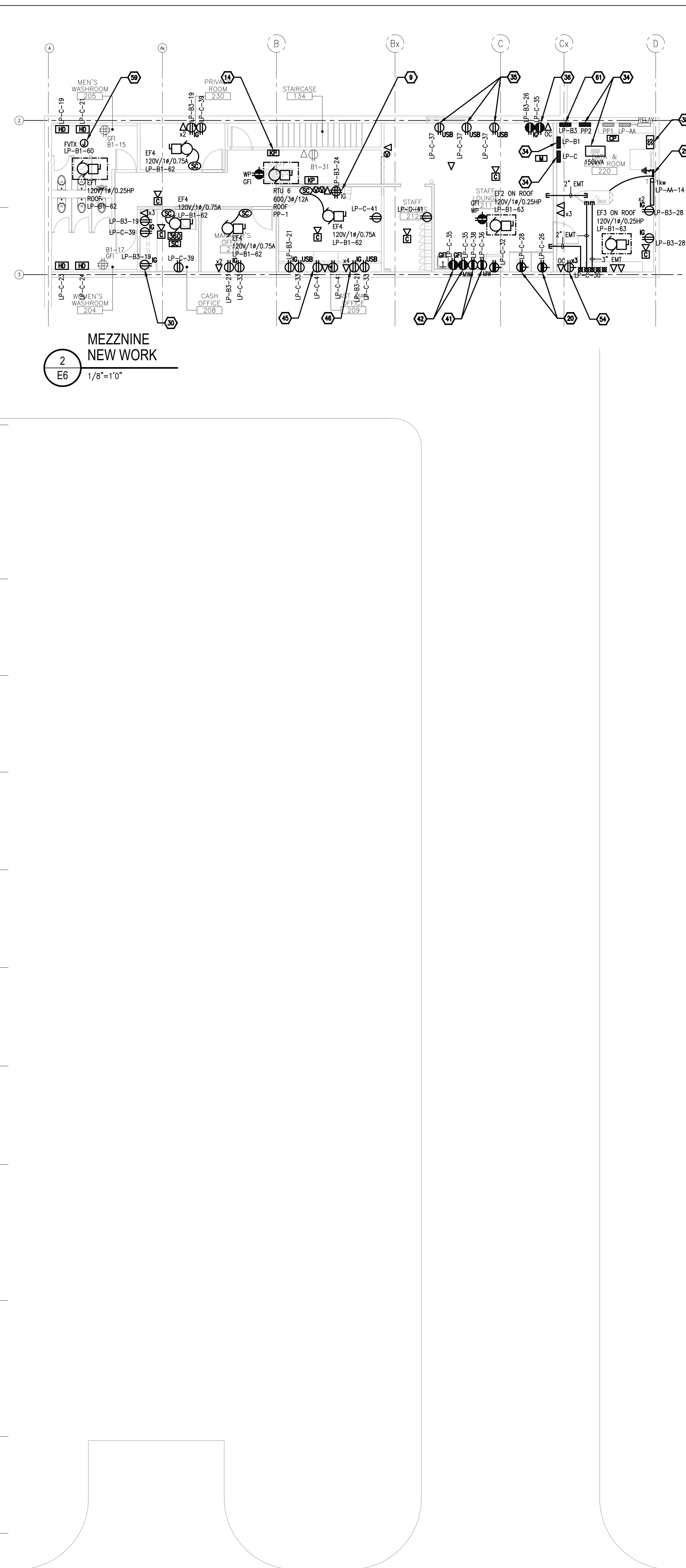
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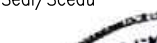
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1688 Woodward Dr.
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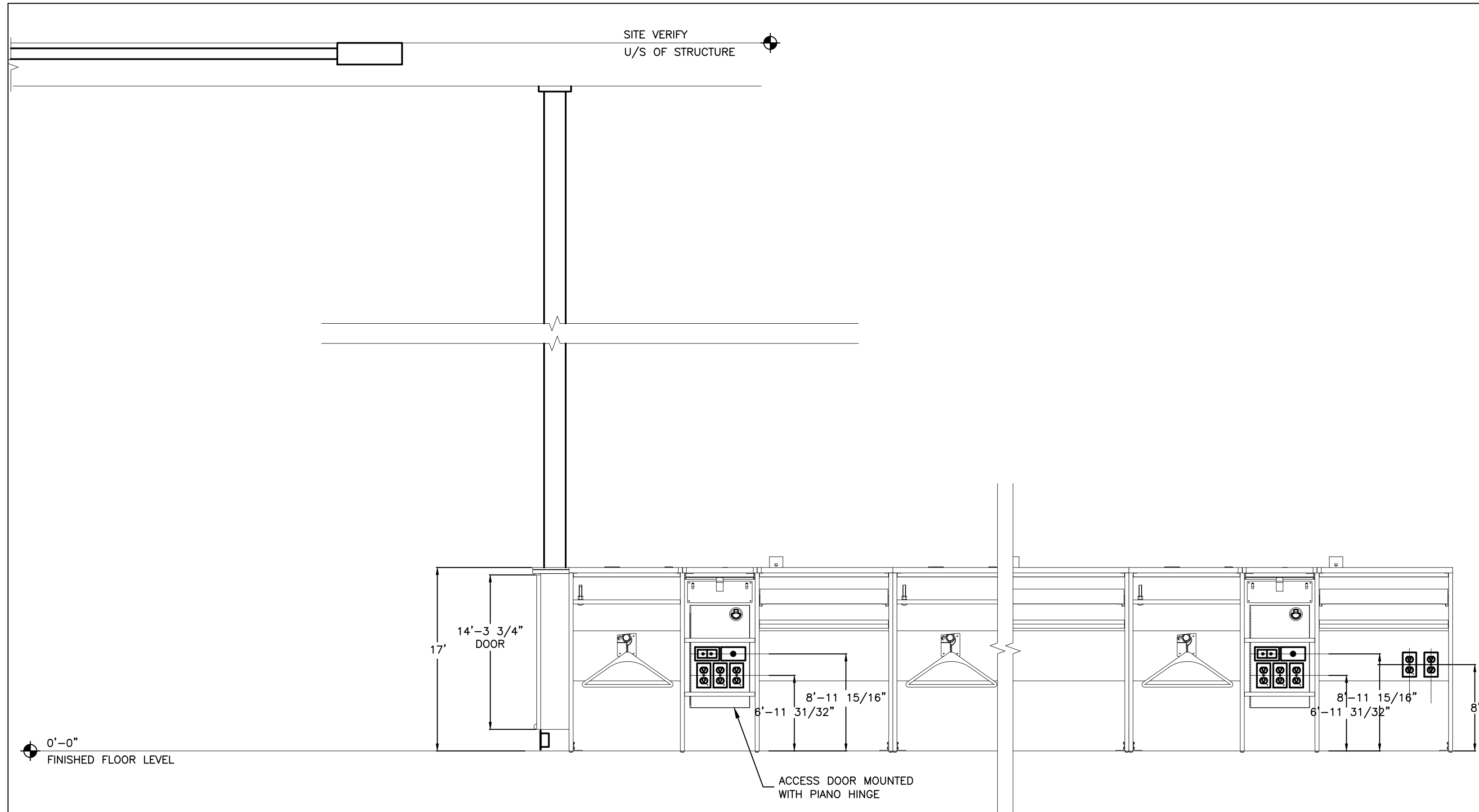


True north 	Seel/Secou 
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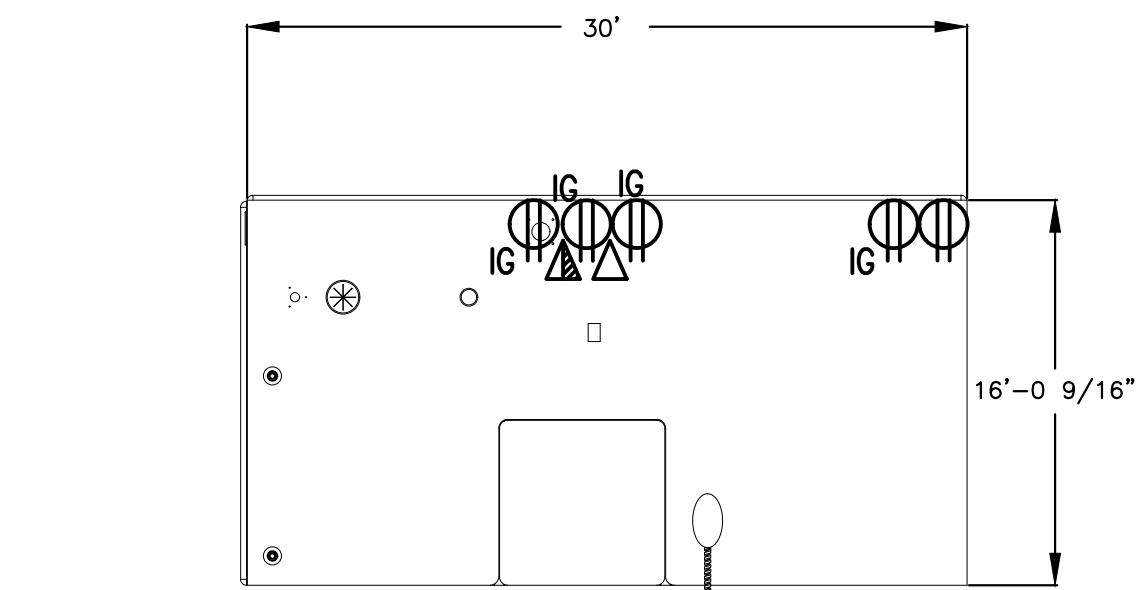
Project/Projet
**WINNERS FIT-OUT
ROCKLAND PLAZA**

ELECTRICAL POWER AND SYSTEMS NEW WORK

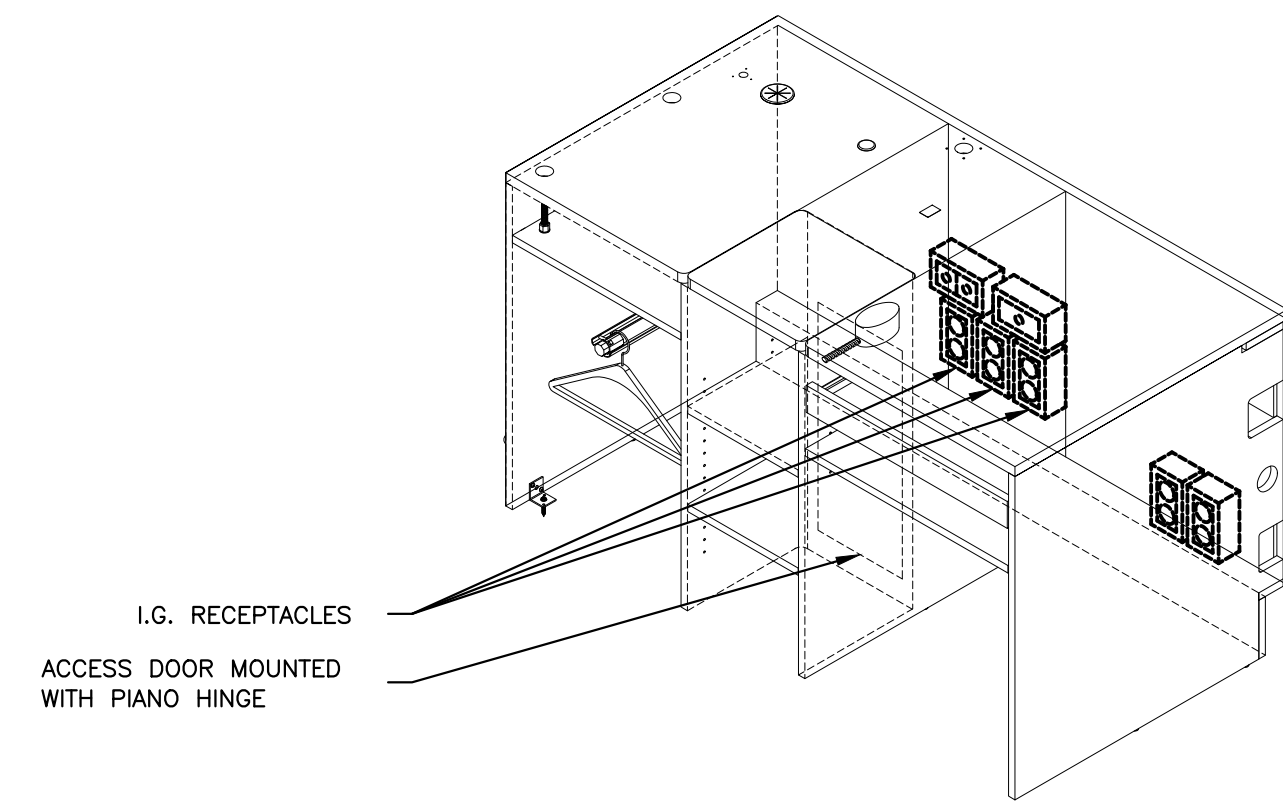
Scale	AS NOTED	Project no./No. du projet
Echelle		2024-221
Design by	C.SMITH	Drawing/dessin
Conçu par		E6
Drawn by	A.TCHACOROM	
Dessiné par		
Reviewed by	C.SMITH	
Examiné par		OF 8



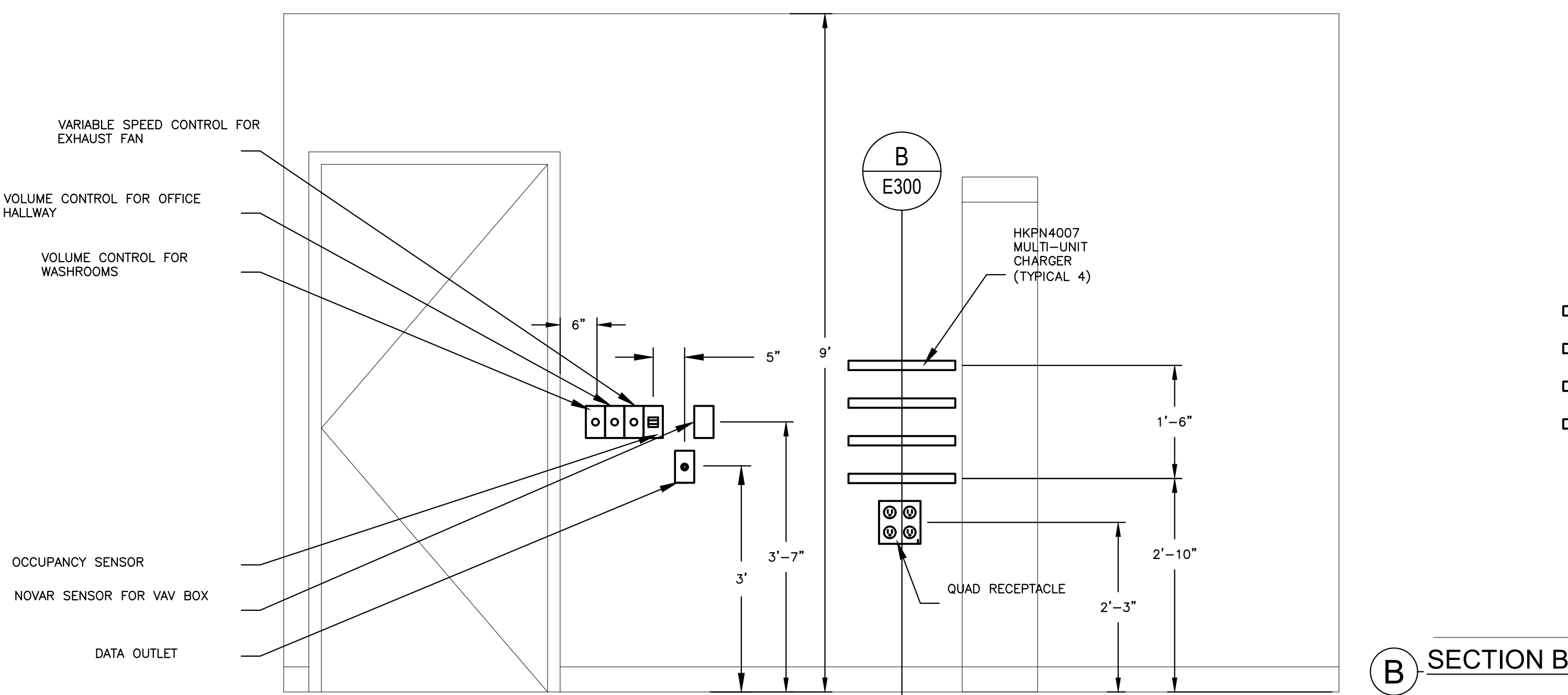
1 CASH COUNTER ELEVATION
E7 N.T.S.



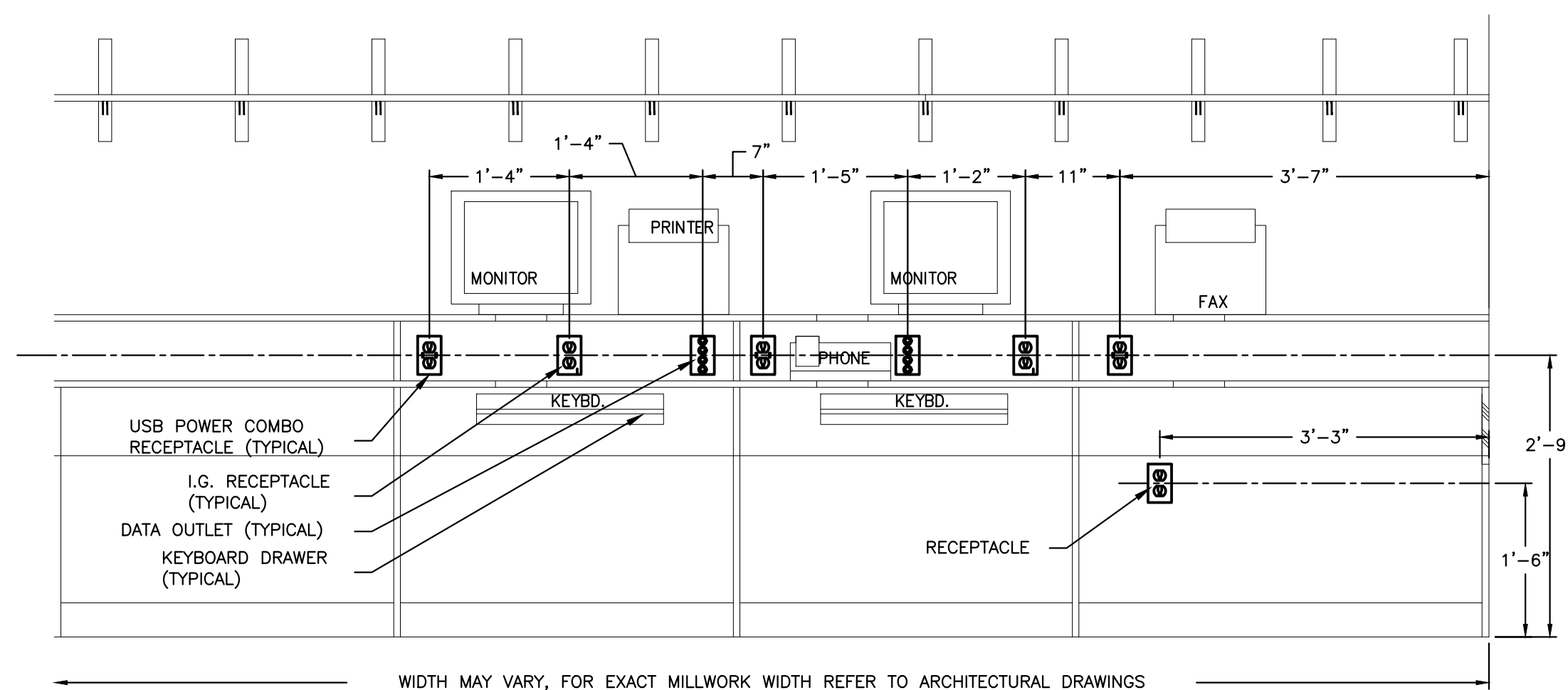
2 PLAN VIEW OF LAST CASH COUNTER
E7 N.T.S.



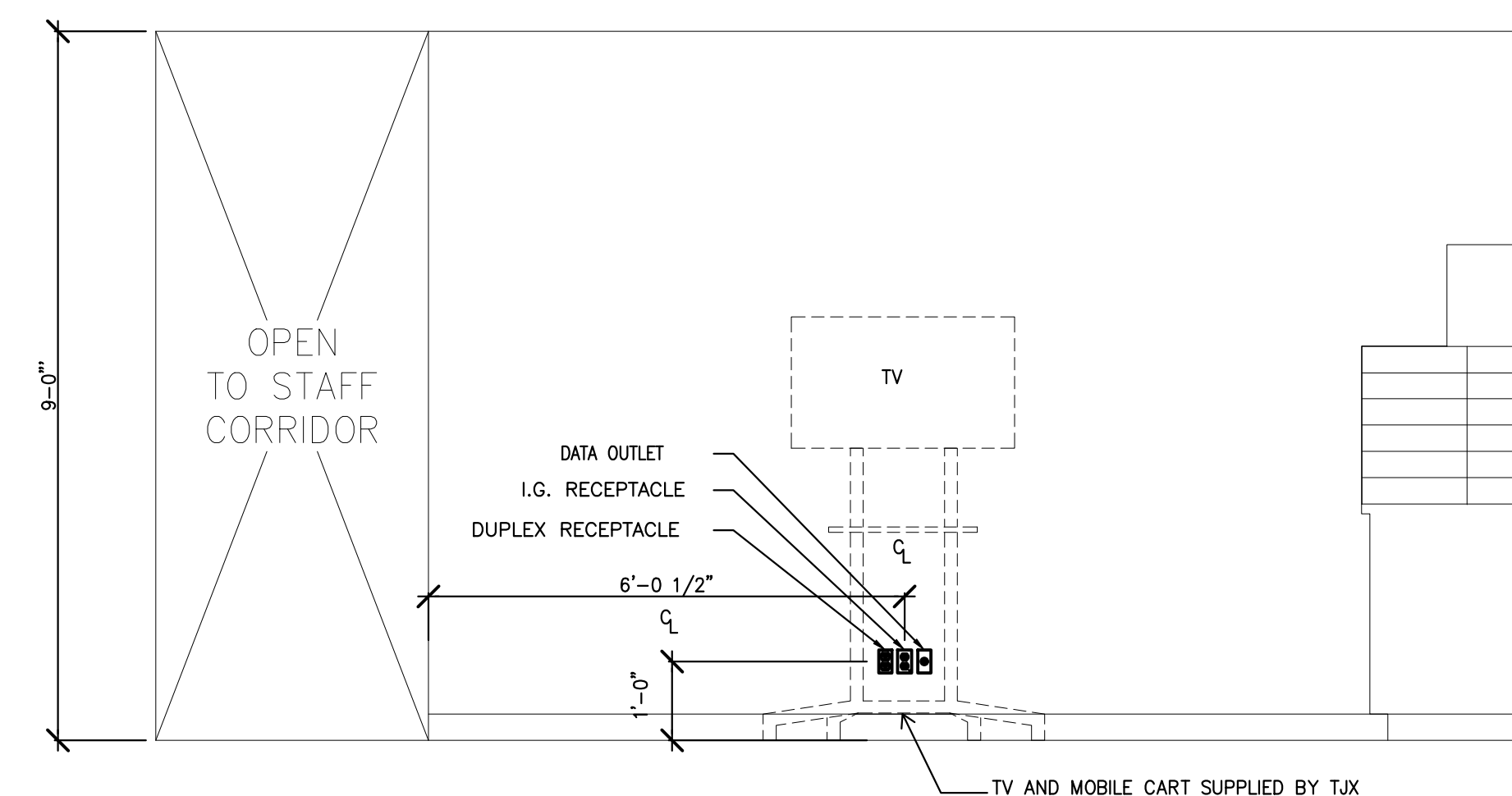
3 ISOMETRIC VIEW OF LAST CASH COUNTER
E7 N.T.S.



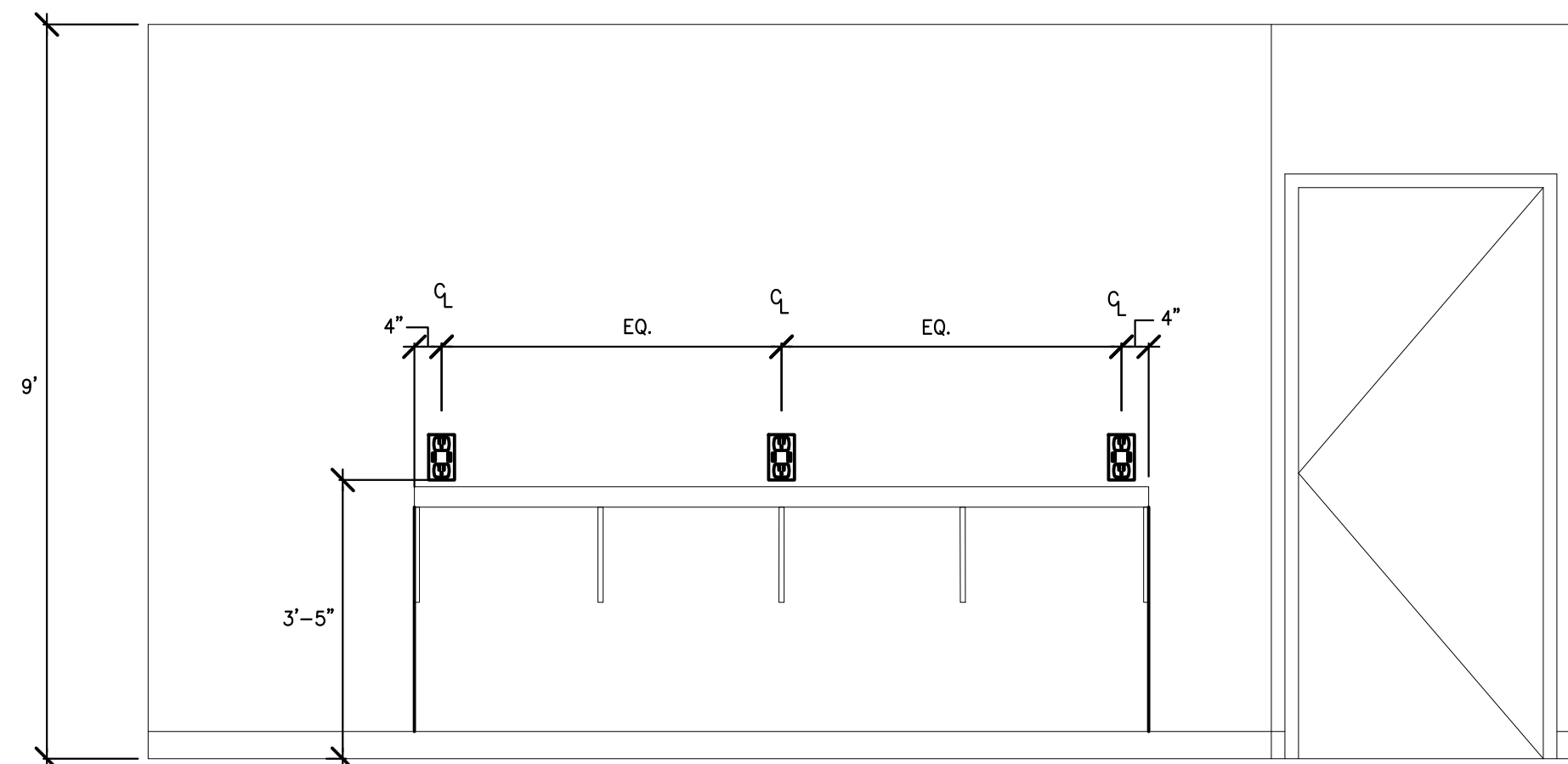
4 ASSISTANT MANAGER'S OFFICE ELEVATION
E7 N.T.S.



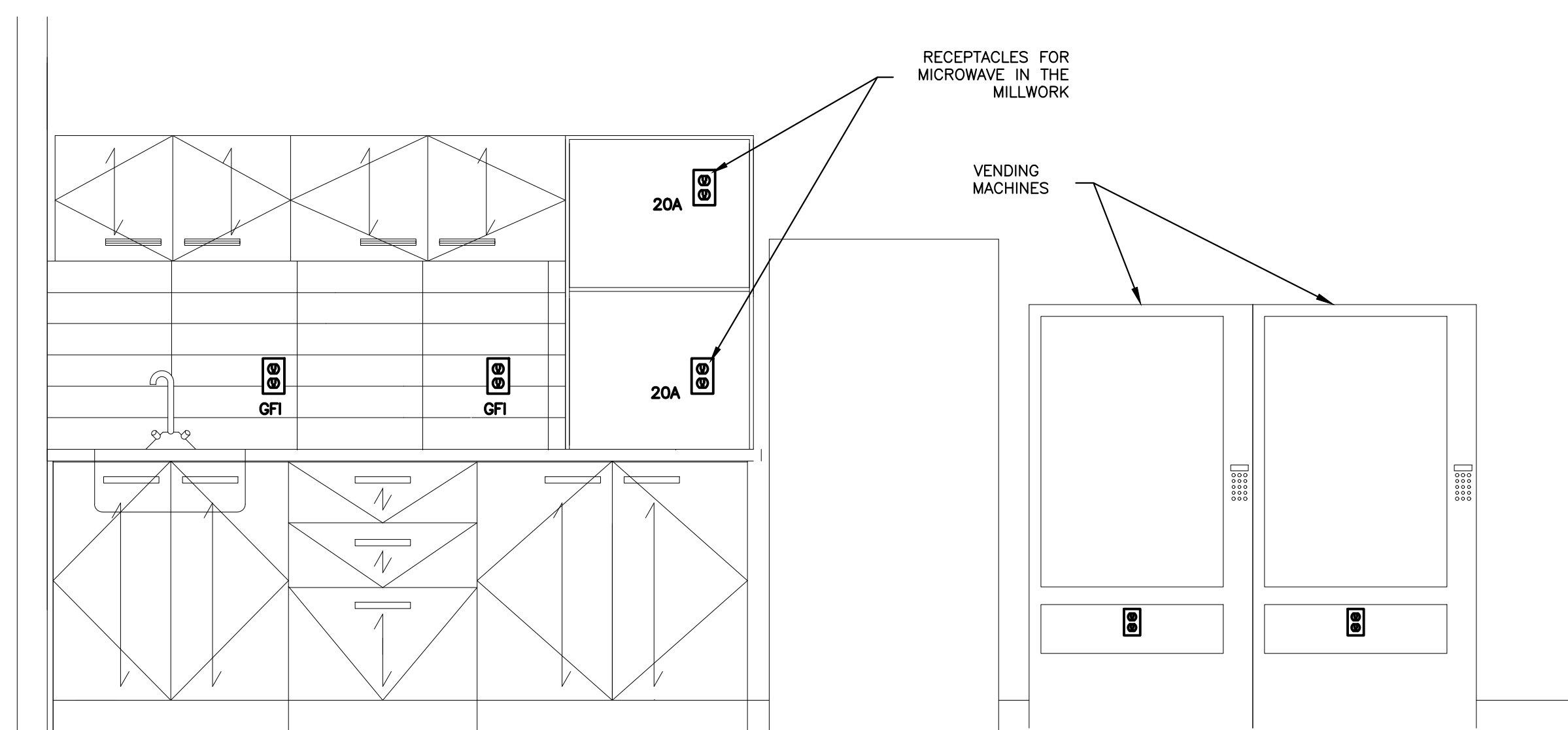
5 ASSISTANT MANAGER'S DESK
E7 N.T.S.



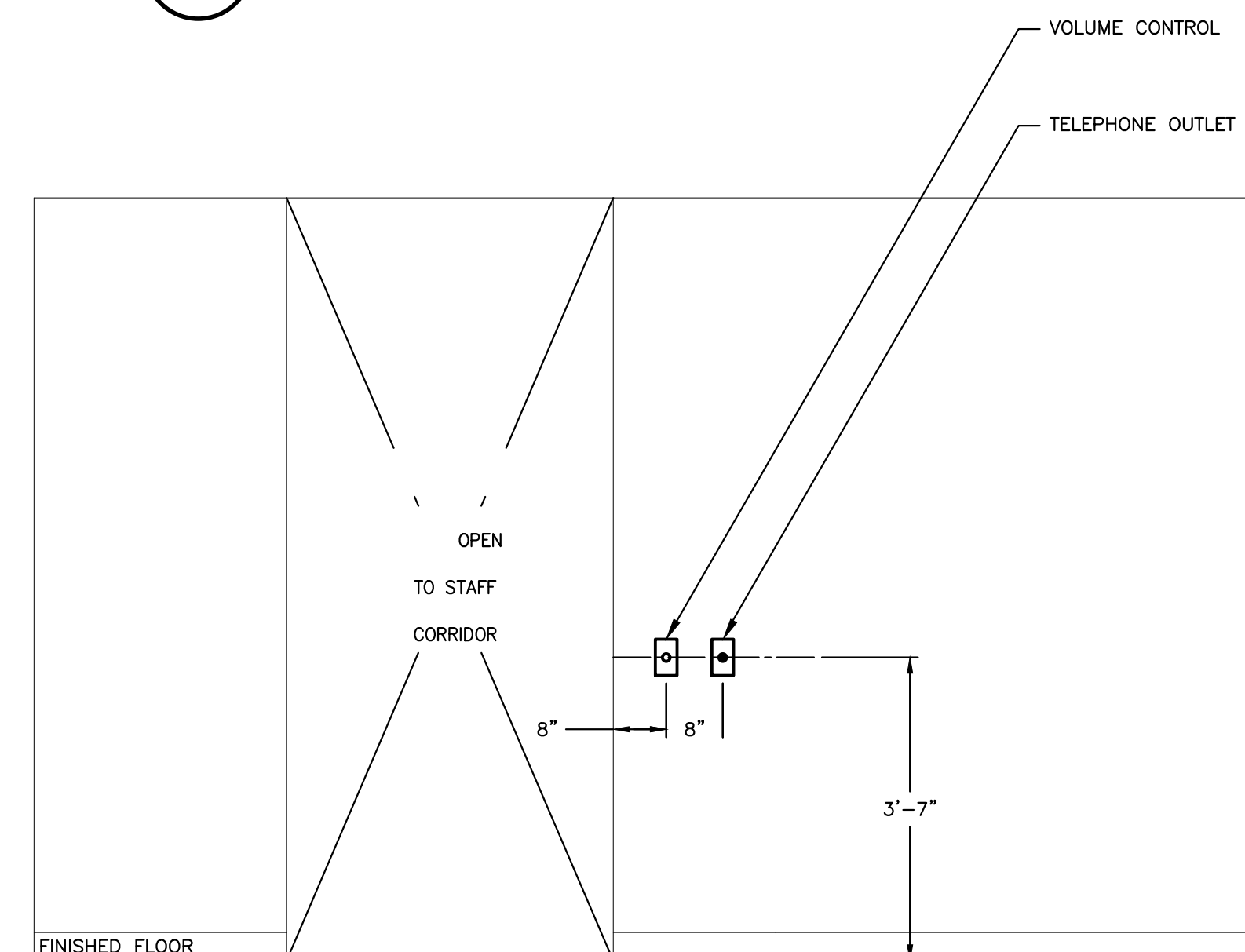
6 STAFF LOUNGE TELEVISION
E7 N.T.S.



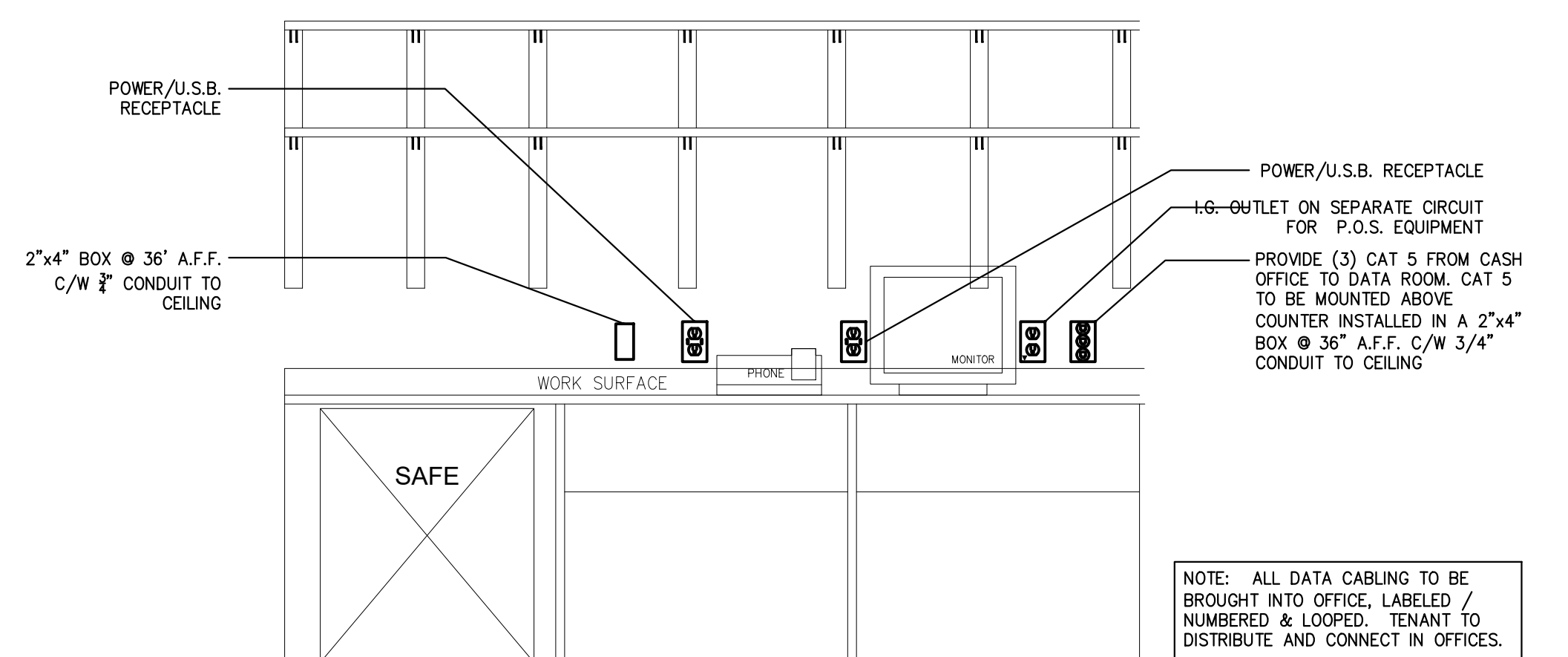
7 STAFF LOUNGE FLOATING BAR
E7 N.T.S.



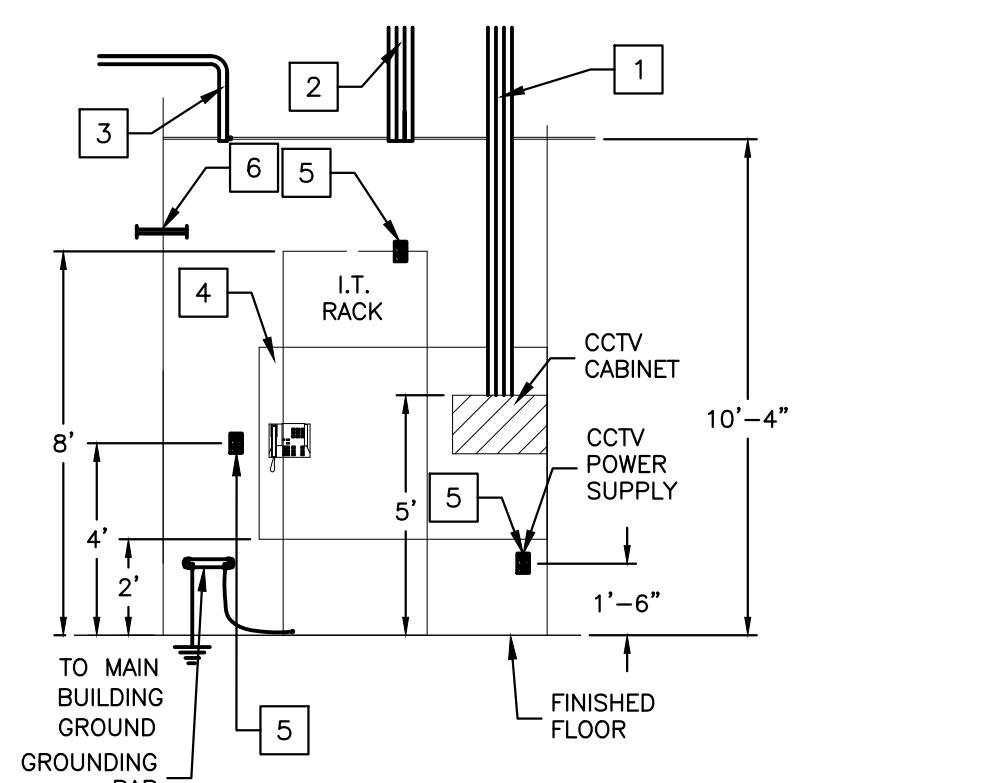
8 STAFF LOUNGE COUNTER
E7 N.T.S.



9 STAFF LOUNGE CORRIDOR
E7 N.T.S.



10 CASH OFFICE DESK
E7 N.T.S.



11 DATA ROOM DETAIL
E7 N.T.S.

KEY NOTES	
1	PROVIDE AND INSTALL THE FOLLOWING CONDUITS FOR THE CCTV CABINET: ONE 3" FROM ABOVE THE CCTV CABINET LOCATION TO THE CEILING SPACE OF THE SALES AREA CEILING. ONE 2" FROM ABOVE THE CCTV CABINET LOCATION TO THE STOCKROOM, MOUNTED AS HIGH AS POSSIBLE. ONE 2" CONDUIT FROM ABOVE THE CCTV CABINET LOCATION TO THE ACCESSIBLE CEILING SPACE OF THE OFFICE AREA. CONDUITS TO START ABOVE THE CCTV CABINET AS SHOWN, COORDINATE THE TERMINATION POINT IN THE DATA ROOM AND THE HEIGHT WITH THE LOCATION OF THE CCTV CABINET. DO NOT GROUP SECURITY CONDUITS WITH THE CONDUITS FOR DATA/VOICE. COORDINATE POSITIONING, TERMINATION POINTS, MOUNTING, AND MOUNTING HARDWARE REQUIREMENTS OF THE CONDUITS ON SITE PRIOR TO INSTALLATION. WHERE OFFICES AND/OR THE STOCKROOM AREA ARE SPLIT INTO MULTIPLE LOCATIONS RUN ADDITIONAL CONDUITS TO EACH LOCATION, SIZES AS NOTED ABOVE.
2	PROVIDE AND INSTALL THE FOLLOWING CONDUITS FOR THE DATA RACK: ONE 3" FROM ABOVE THE DATA RACK LOCATION TO THE CEILING SPACE OF THE SALES AREA CEILING. ONE 2" FROM ABOVE THE DATA RACK LOCATION TO THE STOCKROOM, MOUNTED AS HIGH AS POSSIBLE. ONE 2" CONDUIT FROM ABOVE THE DATA RACK LOCATION TO THE ACCESSIBLE CEILING SPACE OF THE OFFICE AREA. CONDUITS TO START ABOVE THE DATA RACK AS SHOWN SUPPORTED BY UNI-STRUT CHANNEL, COORDINATE THE TERMINATION POINT IN THE DATA ROOM AND THE HEIGHT WITH THE LOCATION OF THE DATA RACK. DO NOT GROUP SECURITY CONDUITS WITH THE CONDUITS FOR DATA/VOICE. COORDINATE POSITIONING, TERMINATION POINTS, MOUNTING, AND MOUNTING HARDWARE REQUIREMENTS OF THE CONDUITS ON SITE PRIOR TO INSTALLATION. WHERE OFFICES AND/OR THE STOCKROOM AREA ARE SPLIT INTO MULTIPLE LOCATIONS RUN ADDITIONAL CONDUITS TO EACH LOCATION, SIZES AS NOTED ABOVE.
3	2" CONDUIT COMPLETE WITH 50 PAIR CABLE FROM MAIN BUILDING TELEPHONE ENTRANCE TO DATA ROOM BY LANDLORD/G.C.
4	4"x8" FIREPROOF PHONE BOARD COMPLETE WITH K.S.U. (TELEPHONE SYSTEM) AND WIRING DISTRIBUTION BOX (PROVIDED BY T.J.) TO BE MOUNTED ONTO THE FIRE RATED PLYWOOD BACK BOARD BY OTHERS. THE BACK BOARD IS TO BE INSTALLED BEHIND THE DATARACK, AT THE BACK OF THE DATA ROOM.
5	ONE I.G. RECEPTACLE ON INDEPENDENT I.G. CIRCUIT MOUNTED ON WALL
6	1" CONDUIT SLEEVE C/W PLASTIC BUSHINGS FOR ENERGY MANAGEMENT SYSTEM (E.M.S.) CONTROL.

Client

ARCHITECT

A GROUP OF ARCHITECTS
201-1339 WELLINGTON ST. WEST OTTAWA ON K1Y 3B8
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TENANT

WINNERS
MEMBER WINNERS INC. 1115 SHEPPARD AVE. EAST #200 WILLOWDALE, ONTARIO M2H 1Y7

11/14/24	ISSUED FOR TENDER	5
10/18/24	ISSUED FOR REVIEW 2	4
08/09/24	ISSUED FOR REVIEW 1	3
08/07/24	ISSUED FOR COORDINATION	2
03/28/24	ISSUED FOR REVIEW	1
DATE	REVISION	REF

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Ottawa Ontario
Canada K2C 3B8
613 727-5111
613 727-5115
www.gwal.com
Voice
Fax
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True north

Scale/Échelle

Project/Projet

WINNERS FIT-OUT
ROCKLAND PLAZA

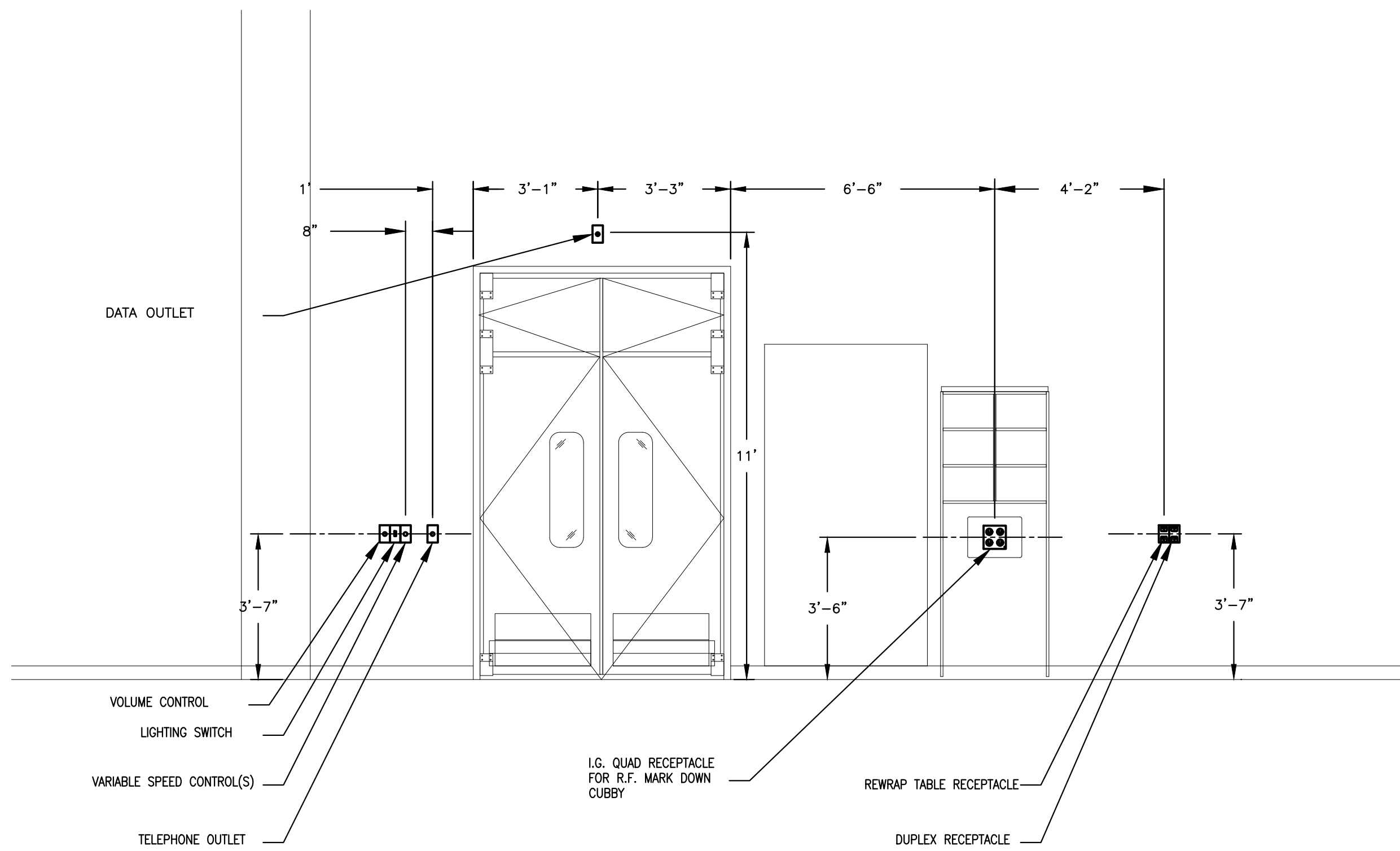
Drawing/Plan du dessin

ELECTRICAL
DETAILS 1/2

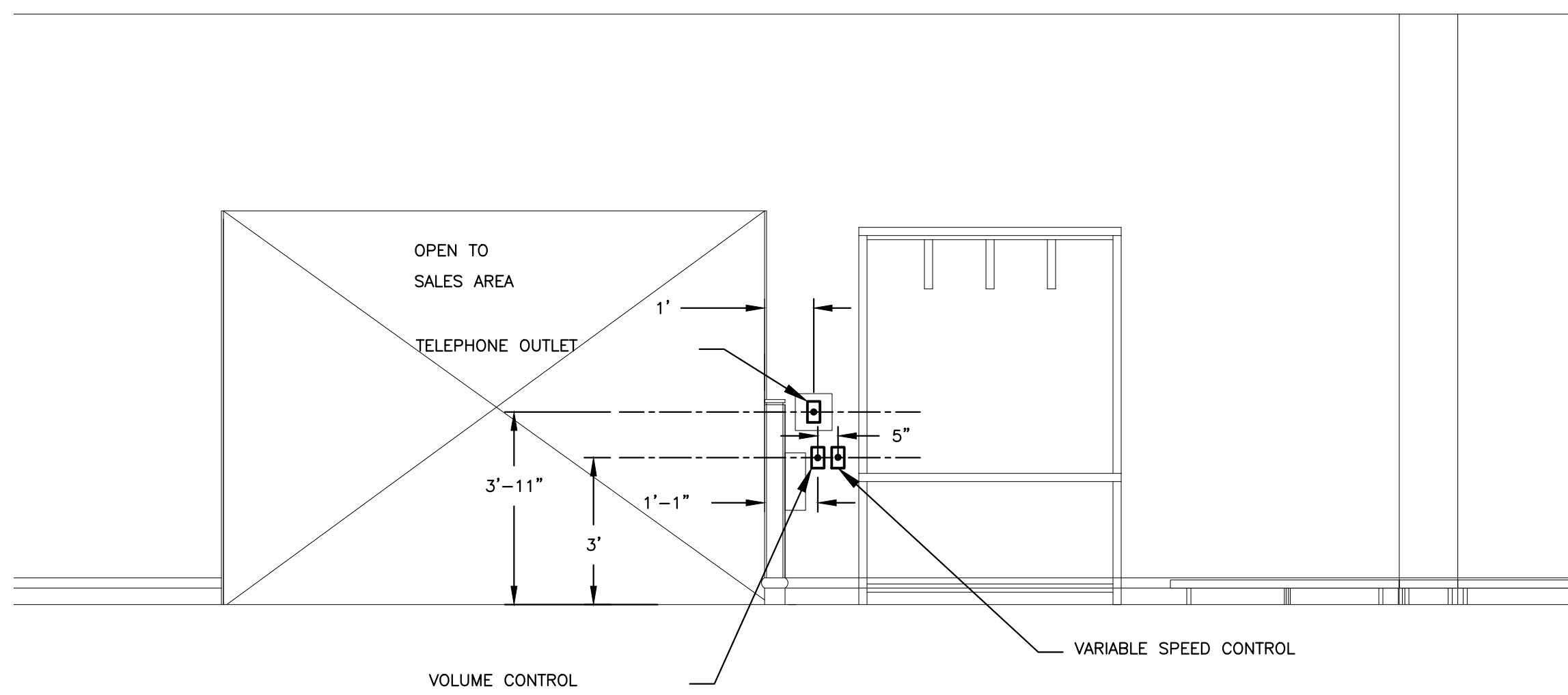
Scale
Échelle
AS NOTED
2024-221

Project no./No. du projet
Drawing/Drawn
Design by
C.SMITH
Concep. par
A.TCHACOROM
Drawn by
A.TCHACOROM
Detailé par
C.SMITH
Reviewed by
Examined par

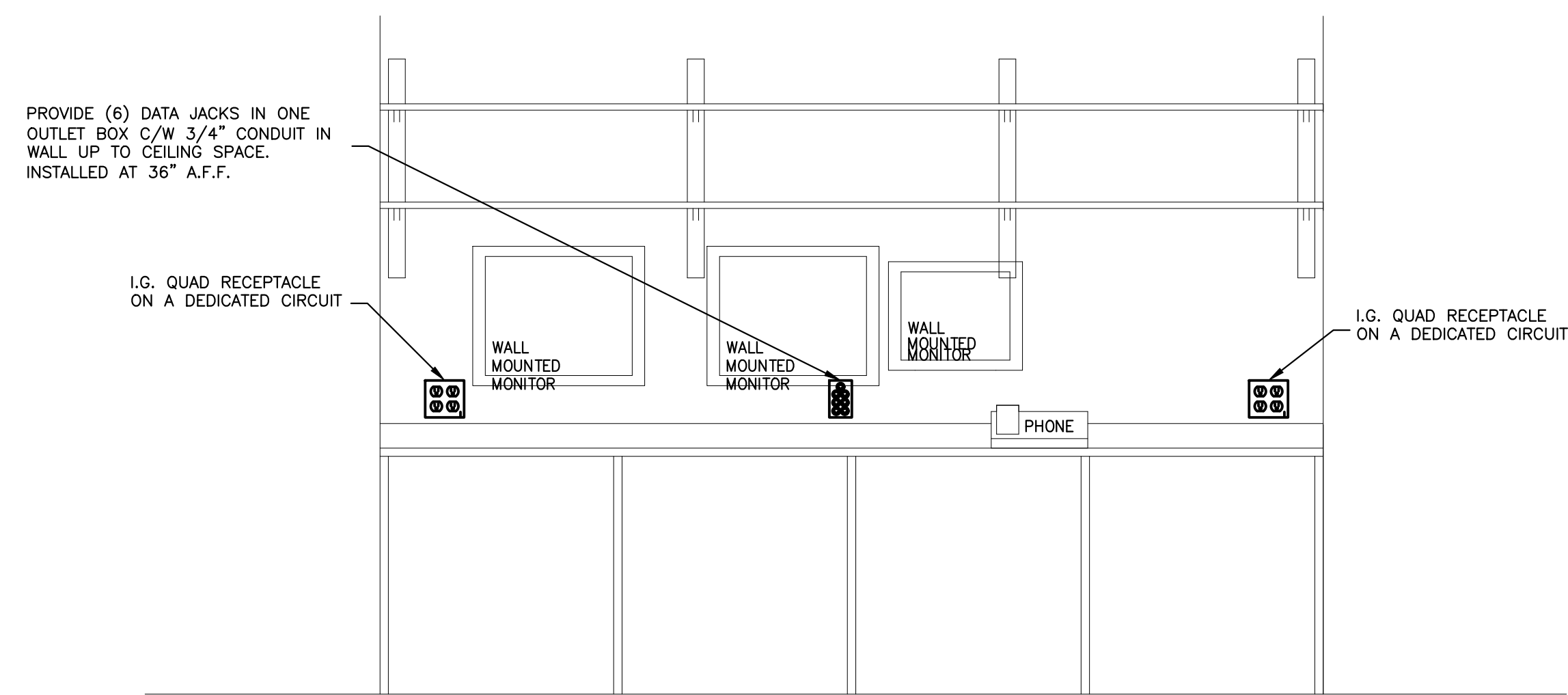
E7
of 8



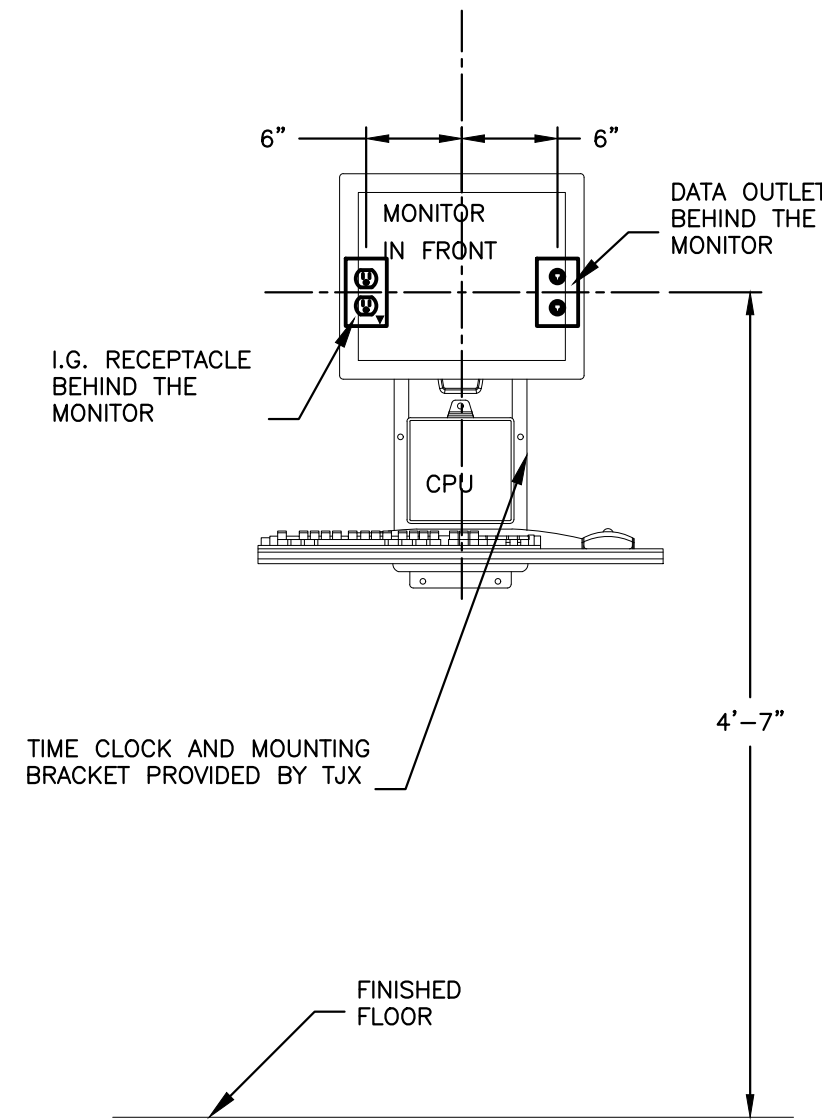
1 STOCK ROOM ELEVATION
E8 N.T.S.



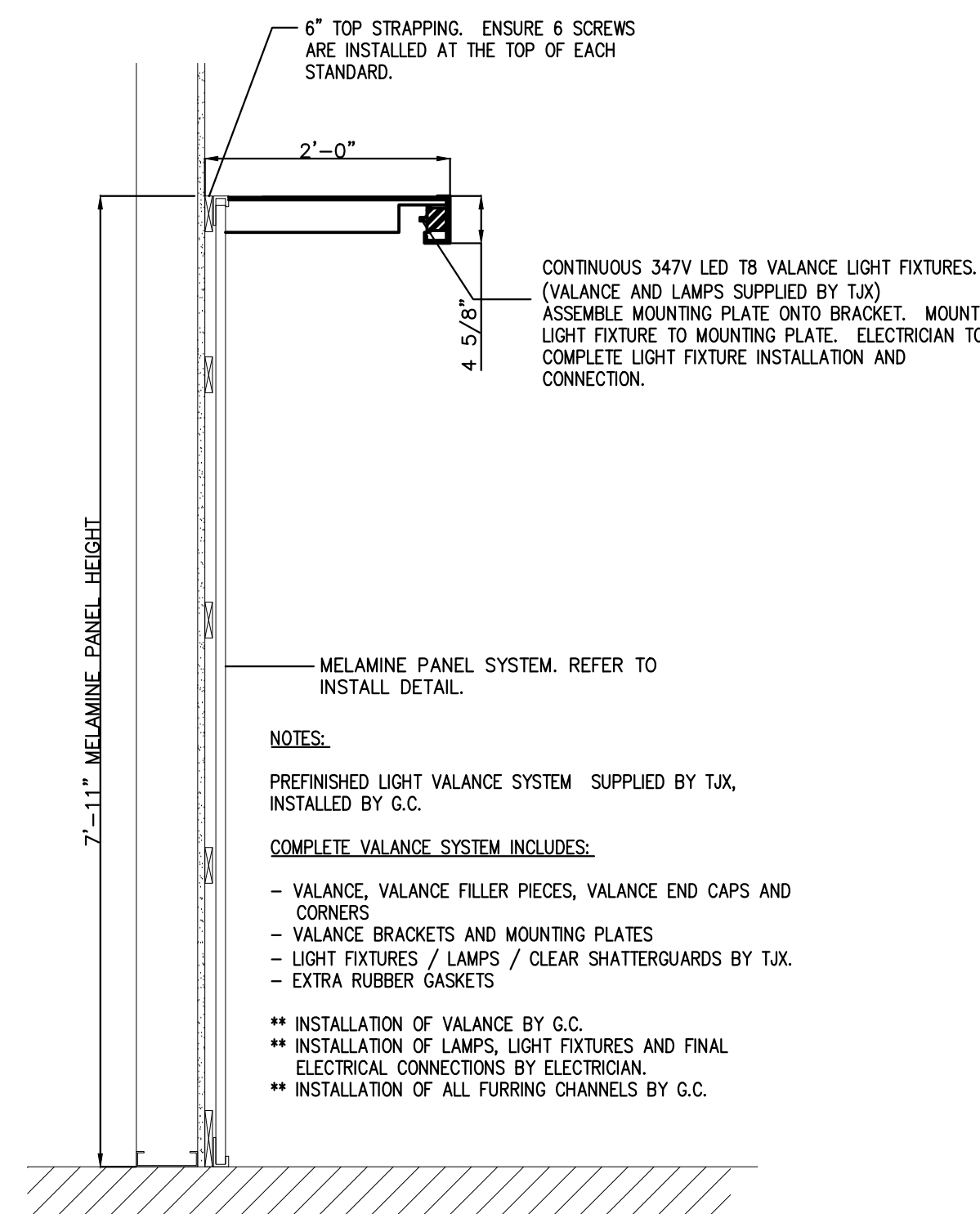
2 FITTING ROOM FOYER
E8 N.T.S.



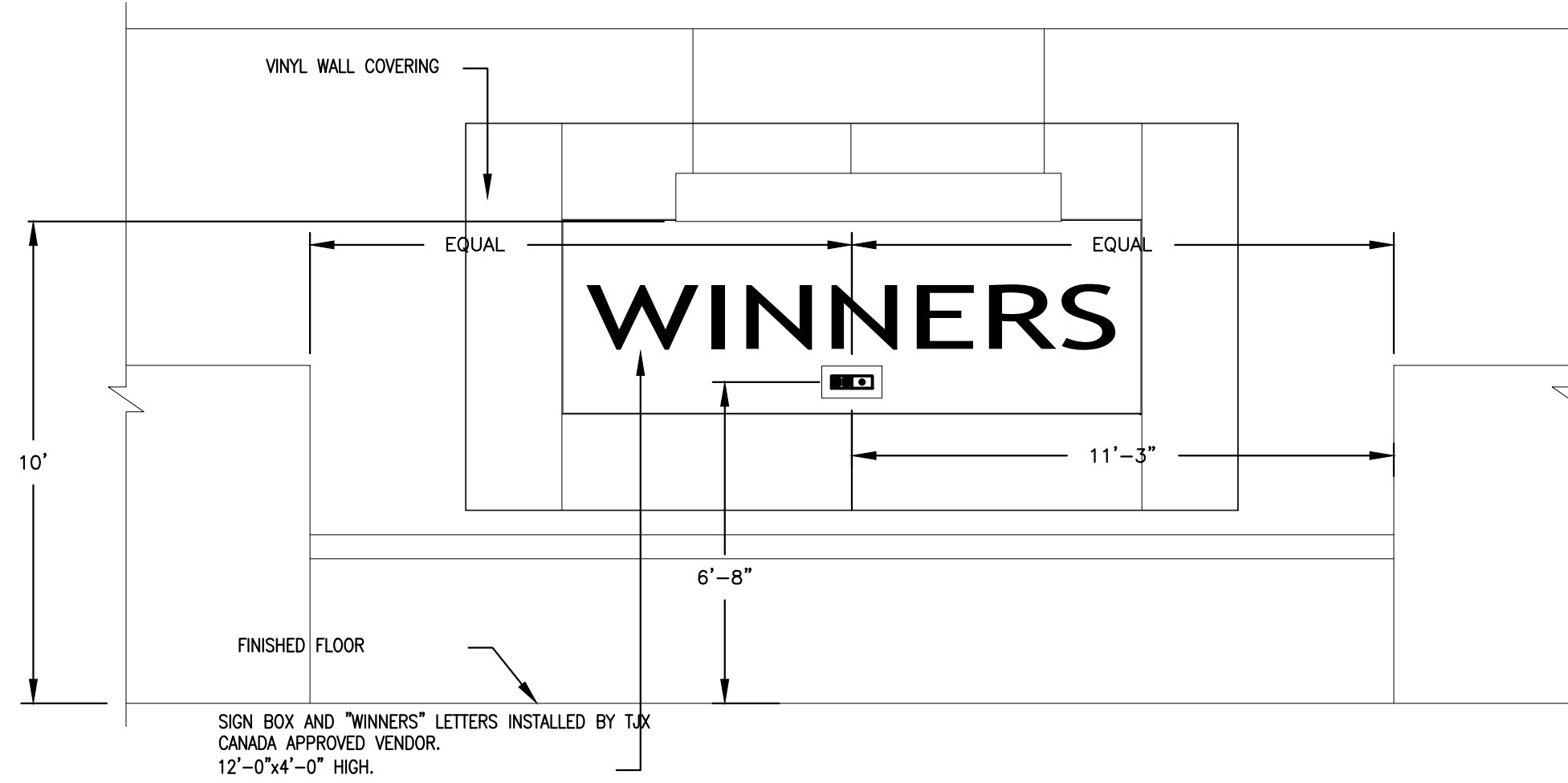
3 SECURITY OFFICE DESK
E8 N.T.S.



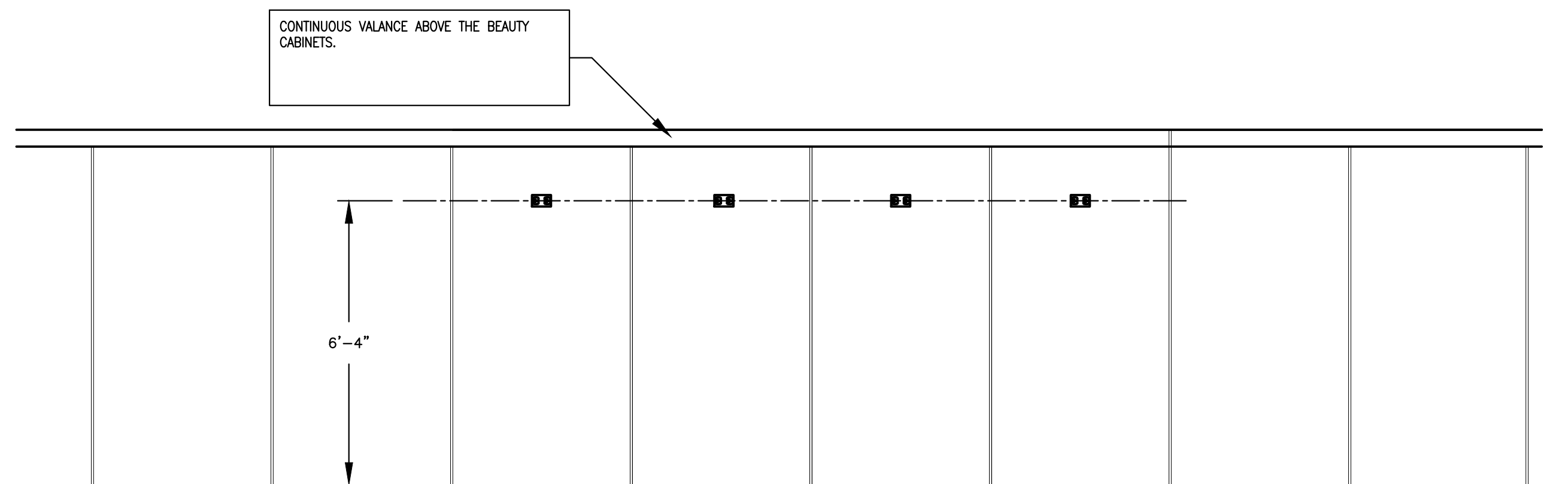
4 TIME CLOCK
E8 N.T.S.



5 VALAENCE DETAIL
E8 N.T.S.



6 BACKLINE SIGN
E8 N.T.S.



7 BEAUTY CABINETS
E8 N.T.S.

DATE	REVISION	REF
11/14/24	ISSUED FOR TENDER	5
10/18/24	ISSUED FOR REVIEW 2	4
08/09/24	ISSUED FOR REVIEW 1	3
08/07/24	ISSUED FOR COORDINATION	2
03/28/24	ISSUED FOR REVIEW	1

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