

ELECTRICAL - SYMBOLS	
	WALL MOUNTED EXIT LIGHT.
	CEILING MOUNTED EXIT LIGHT WITH SELF CONTAINED BATTERY PACK. SHADED AREA INDICATES ILLUMINATED FACE(S). DIRECTIONAL ARROWS ARE INDICATED.
	PANELBOARD
	DISTRIBUTION OR POWER PANELBOARD.
	GROUND BAR
	CT CABINET
	METER (DIRECT / UTILITY)
	SUB-METER
	HOMERUN TO DESIGNATED PANELBOARD - NUMERALS INDICATE CIRCUIT NUMBER.
	GROUND CONNECTION
	DUPLICATE RECEPTACLE. SUBSCRIPT INDICATES: WP - WEATHERPROOF ENCLOSURE GFI - GROUND-FAULT CIRCUIT-INTERRUPTER RECEPTACLE IG - ISOLATED GROUNDING RECEPTACLE 20A - 20 AMP RECEPTACLE HG - HOSPITAL GRADE RECEPTACLE C - AUTOMATICALLY CONTROLLED RECEPTACLE F - FUTURE SWITCHED RECEPTACLES FOR MOTORIZED SHADES # - IDENTIFIES PANELBOARD CIRCUIT NUMBER (TYPICAL FOR ALL RECEPTACLES) USB - USB RECEPTACLE - NEMA 5-15R USB, PASS & SEYMOUR CAT# TMB-USB-CC6 OR EQUIVALENT
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE WALL MOUNTED IN GANG BOX
	HALF-SWITCHED DUPLEX RECEPTACLE.
	NEMA 5-20R, 20A RECEPTACLE (GFCI)
	RECEPTACLE, NEMA 6-50R 208V, 50A COORDINATE WITH MANUFACTURER
	DOUBLE DUPLEX RECEPTACLE
	STUB UP FACE PLATE TO BE MTD. ON MILLWORK FOR RECEPTACLE
	DUPLEX RECEPTACLE GFI
	FLOOR MOUNTED DUPLEX / DOUBLE DUPLEX / SIMPLEX RECEPTACLE, 15A, 3 WIRE, 125 VOLT, POKE-THRU SERVICE FITTING, UON.
	SPECIAL PURPOSE OUTLET. (COORDINATE REQUIREMENTS WITH VENDOR FOR EACH EQUIPMENT)
	SIMPLEX RECEPTACLE
	NEMA 5-15R RECESSED SIMPLEX CLOCK-HANGAR RECEPTACLE
	SINGLE CEILING MOUNTED CONVENIENCE RECEPTACLE
	SPECIAL PURPOSE CEILING MOUNTED RECEPTACLE
	SINGLE POLE SWITCH, LOWER CASE LETTER IDENTIFIES OUTLET(S) CONTROLLED, UPPER CASE LETTER AND OR NUMERAL INDICATES: 2 - DOUBLE POLE 3 - THREE WAY 4 - FOUR WAY P - WITH PILOT LIGHT H - HORSEPOWER RATED WITH HASP FOR LOCK K - KEY OPERATED D - DIMMER SWITCH T - TIMER SWITCH J - DOOR JAM SWITCH L - LOCKING - WITH HASP FOR LOCK MM - MANUAL MOTOR STARTER SWITCH (LOCKING) TS - THERMAL SWITCH OS - OCCUPANCY SENSOR SWITCH VS - VACANCY SENSOR SWITCH SS - SCENE SELECTOR OV - TIME-CLOCK OVER-RIDE SWITCH
	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
	CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR
	PHOTO-CELL
	DAYLIGHT SENSOR
	3-POLE UNFUSED DISCONNECT (SAFETY) SWITCH. NUMERAL INDICATES AMPACITY, 'WP' DENOTES WEATHERPROOF ENCLOSURE. NO NUMBER INDICATES 30A OR LESS.
	3-POLE FUSED DISCONNECT (SAFETY) SWITCH. NUMERAL INDICATES SWITCH AMPACITY/FUSE SIZE, 'WP' DENOTES WEATHERPROOF ENCLOSURE. NO NUMBER INDICATES 30A OR LESS.
	3-POLE COMBINATION DISCONNECT & MOTOR STARTER. NUMERAL INDICATES FUSE SIZE, 'WP' DENOTES WEATHERPROOF ENCLOSURE.
	3-POLE MOTOR STARTER. NUMERAL INDICATES FUSE SIZE, 'WP' DENOTES WEATHERPROOF ENCLOSURE.
	VARIABLE FREQUENCY DRIVE
	MOTOR, # INDICATES HORSEPOWER
	FUSIBLE SWITCH
	BOLTED PRESSURE SWITCH
	CIRCUIT BREAKER

ELECTRICAL - SYMBOLS	
	CEILING/WALL/FLOOR MOUNTED JUNCTION BOX
	SPLICE BOX
	PULLBOX
	TIME CLOCK
	CONTACTOR / RELAY
	LEAK DETECTOR
	CONNECTOR - LETTER DESIGNATES UNIQUE CONNECTION POINT
	PUSHBUTTON
	DOOR CONTACT. SEE LIGHTING PLANS FOR LOCATIONS.

TELEPHONE, COMMUNICATION, SECURITY & LOW-VOLTAGE SYMBOLS	
	TELEPHONE OUTLET, W - FOR WALL TELEPHONE
	DATA OUTLET
	COMBINATION TELEPHONE/DATA OUTLET.
	TELEPHONE OUTLET FLOOR MOUNTED
	COMBINATION TELEPHONE / DATA FLOOR MOUNTED OUTLET
	FLOOR MOUNTED DATA SYSTEM OUTLET
	CARD READER. PROVIDE SINGLE GANG BACKBOX AND EMPTY CONDUIT SYSTEM FOR DEVICE INSTALLATION. CONTRACTOR SHALL COORDINATE WITH PERSONNEL EMPTY CONDUIT TERMINATION LOCATION
	DOOR RELEASE. PROVIDE REQUIRED BACKBOX FOR DEVICE INSTALLATION. LOCATIONS OF DOOR RELEASE BUTTONS SHALL BE COORDINATED WITH ARCHITECT AND FIT PERSONNEL. CONTRACTOR SHALL COORDINATE WITH IT PERSONNEL FOR WIRING DEVICES AND REQUIRED CABLING.

ABBREVIATIONS

DESCRIPTION	DESCRIPTION
A AMPERE	LTG LIGHTING THOUSAND CIRCULAR MILS
AC ABOVE COUNTER TOP	MCM MECHANICAL
AFF ABOVE FINISHED FLOOR	MISC MISCELLANEOUS
AWG AMERICAN WIRE GAUGE	MTD MOUNTED
BLDG BUILDING	NIC NOT-IN-CONTRACT
C CONDUIT	NL NIGHT LIGHT
CB CIRCUIT BREAKER	NTS NOT TO SCALE
CCTV CLOSED CIRCUIT TELEVISION	PB PNL PULL BOX
CKT CIRCUIT	R PANEL
CLG CEILING	RE REMOVE
CU COPPER	RM RELOCATED EXISTING DEVICE
DISC DISCONNECT	SPCS SPECS
DWG DRAWING	SW SWITCH
E EXISTING	TV TELEVISION
CKT EMPTY CONDUIT	TYP TYPICAL
ELEC ELECTRICAL	UC UNDER COUNTER
EM EMERGENCY	UF UNFUSED
ER EXISTING TO BE RELOCATED	V V
FA FIRE ALARM	W UNLESS OTHERWISE NOTED
FT GD FEET	W VOLT OR VOLTAGE
GFI GROUND	WP WATT
IC INTERRUPTING CAPACITY	XFMR WEATHER-PROOF TRANSFORMER
HP HORSEPOWER	WI WIFI
IC INTERRUPTING CAPACITY	M MONITOR
JB JUNCTION BOX	
KVA KILOWATT AMPERE	
KW KILOWATT	

LEGEND	
	NEW WORK
	EXISTING
	DEMO
	UIG / CONCRETE ENCASED
	MULTI-OUTLET RACEWAY ASSEMBLY (PLUGMOLD-WIREMOLD)
	BUSWAY
	CONDUIT BANK
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	FLEX TYPE FMC / LFMC CONDUIT AS REQUIRED
	CAPPED CONDUIT

MISCELLANEOUS SYMBOLS	
SYMBOLS	DESCRIPTION
	RISER SERVICE
	RISER NUMBER
	RISER SERVICE
	RISER NUMBER
	DETAIL
	DRAWING LOCATION
	DETAIL
	DRAWING LOCATION
	REVISION NUMBER

ELECTRICAL DRAWING LIST	
DWG No.	DRAWING TITLE
E-001.00	ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND DRAWING LIST
E-002.00	ELECTRICAL SPECIFICATION
E-101.00	ELECTRICAL CELLAR & 1ST FLOOR PART PLANS
E-301.00	ELECTRICAL DETAILS AND PANEL SCHEDULES
E-901.00	ELECTRICAL DEMOLITION CELLAR PART PLAN
FA-001.00	FIRE ALARM SYMBOL LIST, GENERAL NOTES AND ABBREVIATIONS
FA-002.00	PART RISER DIAGRAM, RISER NOTES & MATRIX
FA-101.00	FIRE ALARM CELLAR PART PLAN

GENERAL NOTES

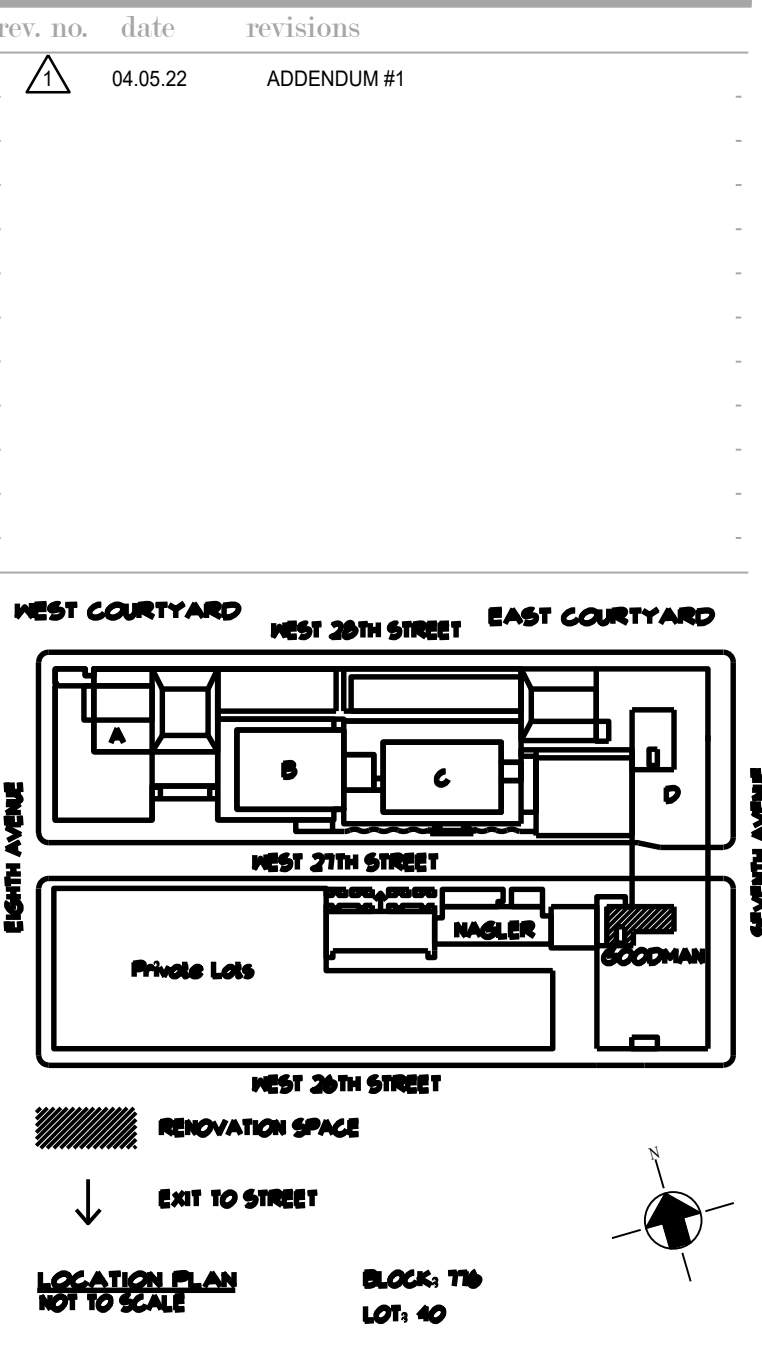
- THE GENERAL NOTES APPLY TO ALL DRAWINGS UNDER THIS CONTRACT. REFER TO INDIVIDUAL DRAWINGS FOR ADDITIONAL NOTES.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS CONSISTENT WITH PROJECT CRITERIA.
- EXACT LOCATION OF LIGHTING FIXTURES SHALL BE IN ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLAN OR AS DIRECTED BY THE ARCHITECT.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CEILING WORK WITH CEILING CONTRACTOR AND DETERMINE CEILING TYPE PRIOR TO FURNISHING OF LIGHTING FIXTURES, SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, OR ANY OTHER CEILING MOUNTED ELECTRICAL ELEMENTS. ELECTRICAL WORK SHALL ALSO BE COORDINATED WITH LOCATION OF DIFFUSES, SPRINKLERS AND OTHER MECHANICAL WORK.
- EXACT LOCATION AND MOUNTING OF LIGHTING FIXTURES IN MECHANICAL AREAS SHALL BE COORDINATED WITH THE MECHANICAL TRADES TO AVOID CONFLICT WITH PIPING, DUCTS AND EQUIPMENT. IN GENERAL, THE FINAL LOCATION OF LIGHTING FIXTURES SHALL BE GOVERNED BY THE NEED OF TASK LIGHTING IN THE VICINITY OF PANELBOARDS, MOTOR CONTROLS, CONTROLS AND INSTRUMENT PANELS AND GAUGES.
- LOCATION OF OUTLETS AND SWITCHES IN FINISHED ROOMS SHALL BE VERIFIED WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISHES. IN CENTERING OUTLETS AND LOCATION OF BOXES AND OUTLETS ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT. VARIATION IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIMS, PANELING, SUSPENDED CEILING AND THE LIKE. CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT ANY ADDITIONAL EXPENSE TO THE OWNER.
- JUNCTION AND PULL BOXES SHALL GENERALLY BE LOCATED FOR FLUSH MOUNTING IN FINISHED SPACES. WHERE NECESSARY, CONDUIT SHALL BE REROUTED OR OTHER ARRANGEMENTS SHALL BE MADE FOR CONCEALMENT. PULL BOXES SHALL BE PROVIDED AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATION WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE FOR EMPTY RACEWAY RUNS PULL BOXES SHALL BE PROVIDED EVERY 100 FEET AND AS INDICATED OR NECESSARY.
- SEPARATE BOXES OR WIREWAYS SHALL BE PROVIDED FOR EMERGENCY AND NORMAL WIRING.
- ALL OUTLET BOXES RECEIVING 1-1/4" CONDUIT SHALL BE A MINIMUM OF 2-1/2" DEEP.
- BOXES SHALL BE SET SQUARE AND TRUE WITH BUILDING FINISH. WALL AND SWITCH OUTLETS SHALL BE ERECTED IN ADVANCE OF FLOORING AND FIREPROOFING. BOXES SHALL BE SECURED TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.
- LOCATIONS INDICATED FOR WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. SWITCH SHALL BE INSTALLED ON SIDE OPPOSITE HINGE (FINAL DOOR HINGE LOCATION SHALL BE VERIFIED IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION).
- ALL SUPPORTS TO BUILDING STRUCTURE SHALL BE SECURED AS NOTED IN THE SPECIFICATIONS. HORIZONTAL RUNS OF METALLIC CONDUIT SHALL BE SUPPORTED AT INTERVALS OF NOT MORE THAN 10 FEET APART. RACEWAY RISERS SHALL BE SUPPORTED AT EACH FLOOR LEVEL. EXPOSED RACEWAYS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
- PANELS, JUNCTION BOXES AND PULL BOXES SHALL BE SUPPORTED INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUIT.
- ALL REQUIRED ACCESS DOORS SHALL BE FURNISHED UNDER THE ELECTRICAL SECTION AND INSTALLED UNDER GENERAL CONSTRUCTION. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY THE ARCHITECT PRIOR TO INSTALLATION.
- HEIGHTS OF OUTLETS FROM FINISHED FLOOR TO CENTERLINE OF OUTLET SHALL BE AS SHOWN IN SPECIFICATIONS OR OTHERWISE DIRECTED BY ARCHITECT.
- NO ELECTRICAL RACEWAYS SHALL BE INSTALLED WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT FOR CROSSINGS WHERE RACEWAYS SHALL BE AT LEAST 1 INCH FROM PIPE COVER.
- HORIZONTAL OR CROSS RUNS IN PARTITIONS OR WALLS ARE NOT PERMITTED.
- CONDUIT ENDS SHALL BE CUT SQUARE AND REAM SMOOTH. MALE THREADS OF FIELD THREADED CONDUIT SHALL BE PAINTED WITH GRAPHITE BASED PIPE COMPOUND AND DRAWN UP TIGHT WITH CONDUIT COUPLINGS.
- CONDUIT TO MOTOR TERMINAL BOXES SHALL BE CONNECTED WITH "SEALTITE" FLEXIBLE CONDUIT; MINIMUM 18 INCHES IN LENGTHS WITH 50 PERCENT SLACK. RACEWAYS SHALL NOT BE TERMINATED IN, OR FASTENED TO MOTOR FOUNDATION.
- SUFFICIENTLY LONG WIRE SLACK SHALL BE LEFT IN RUNS TO PERMIT MAKING PROPER FINAL CONNECTIONS. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH #12 AWG STEEL DRAG WIRE.
- THE ELECTRICAL CONTRACTOR SHALL NOT INSTALL MORE THAN THE NUMBER OF CIRCUITS SHOWN IN ANY HOMERUN CIRCUIT.
- WIRE COLOR CODING SHALL CONFORM TO CODE REQUIREMENTS. WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING OF CONDUCTORS (MINIMUM LENGTH 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE ESTABLISHED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.
- WIRING FOR ALL LOW VOLTAGE SYSTEMS SHALL BE RUN IN TO THE CEILING. CABLE SHALL BE ADEQUATELY HARNESSSED, BUNDLED AND TIED AT 4 FOOT INTERVALS BY INDIVIDUAL SYSTEMS AND MARKED WITH IDENTIFICATION TAGS. ALL LOW VOLTAGE SYSTEM WALL OUTLETS SHALL HAVE 1 1/2" CONDUIT EXTENDED TO CEILING SLAB. WHERE WIRING HAS TO BE EXPOSED, IT SHALL BE INSTALLED IN EMT CONDUIT. TERMINATION OF WIRING FROM CEILING TO CENTRAL OR MAIN CABINETS SHALL ALSO BE INSTALLED IN EMT CONDUIT. LOW VOLTAGE WIRING IN CEILINGS USED AS AIR PLENUM SHALL BE TEFLON COATED, IN NON-AIR PLENUM CEILINGS IT SHALL BE INSTALLED IN CONDUIT.

GENERAL NOTES

- 2 # 14 INDICATING PILOT LIGHT WIRES SHALL BE EXTENDED FROM PILOT LIGHT IN CONTROLLER TO LOAD SIDE OF DISCONNECT SWITCH. THESE WIRES SHALL BE INCLUDED IN BRANCH CIRCUIT CONDUIT WHICH SHALL BE INCREASED IN SIZE IF REQUIRED.
- ALL EXIT SIGNS SHALL BE CONNECTED TO DEDICATED CIRCUITS AND CONNECTED TO DESIGNATED PANEL LOCKABLE TYPE CIRCUIT BREAKERS AS DIRECTED ON DRAWINGS.
- PROVIDE GROUND BONDING JUMPERS FOR ALL MECHANICAL EQUIPMENT METAL PIPING SYSTEM THAT MAY BECOME ENERGIZED. THE BONDING JUMPERS SHALL BE INSTALLED IN ACCORDANCE WITH NEC REQUIREMENTS.
- THE SECURITY CABLING AND DEVICES INSTALLATION IS EXCLUDED FROM THE EC SCOPE OF WORK. THE EC IS RESPONSIBLE FOR LINE VOLTAGE POWER TO SECURITY EQUIPMENT, PULL & BACK-BOXES AND EMPTY RACEWAY SYSTEM FOR ALL SECURITY DEVICES AND EQUIPMENT.
- THE DATA/COMMUNICATION CABLING AND DEVICES INSTALLATION IS EXCLUDED FROM THE EC SCOPE OF WORK. THE EC IS RESPONSIBLE FOR THE TELECOMMUNICATIONS PATHWAY INCLUDING THE WIRE CABLE TRAY, EMPTY CONDUIT, PULL & BACK-BOXES, AND WALL AND FLOOR SLEEVES.
- CONTRACTOR SHALL INCLUDE COMMISSIONING SERVICES ACCORDING TO THE 2014 NYC ENERGY CONSERVATION CODE SECTION C408. COMMISSIONING FOR THE APPROVED LIGHT FIXTURES SHALL BE DONE BY THE LIGHTING CONSULTANT.
- REFER ARCHITECTURAL PLANS FOR LIGHTING FIXTURE SPECIFICATIONS.

EXISTING CONDITION AND RELOCATION NOTES

- GENERALLY, IN AREAS SCHEDULED FOR DEMOLITION AND REMODELING, REMOVE ALL ELECTRICAL DEVICES SUCH AS LIGHTING FIXTURES, WIRING DEVICES, TELEPHONE BOXES, SPEAKERS, FIRE ALARM DEVICES, TELEVISION OUTLETS, DISCONNECT, MOTORS, ETC., THAT ARE LOCATED ON EXISTING WALLS OR PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE EXPOSED PORTIONS OF THE BRANCH AND SIGNAL CIRCUIT WIRING AND CONDUITS AND BE RESPONSIBLE FOR MAINTAINING THE CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN. MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS SERVING OTHER SPACES BUT PASSING THROUGH THE AREA OF RENOVATION.
- ALL RACEWAYS AND FEEDERS SERVING PANEL BOARDS SCHEDULED FOR DEMOLITION SHALL BE REMOVED IN THEIR ENTIRETY BACK TO THEIR SOURCE. UPDATE PANEL SCHEDULES AND LABELS OF UPSTREAM PANEL BOARDS TO REFLECT DEMOLITION.
- CIRCUITS STILL IN USE WHICH ARE DERIVED FROM PANELS SCHEDULED TO BE DEMOLISHED SHALL BE REROUTED TO ALTERNATE PANELS. NOTIFY OWNER'S REPRESENTATION AND ARCHITECT FOR RECOMMENDATIONS.
- IN SUCH CASES WHERE EXISTING WALLS ARE TO REMAIN, EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLETS, ETC., WHICH ARE NOT TO BE REUSED SHALL BE COMPLETELY REMOVED. IN SUCH CASES, WHERE NEW CONDUITS AND OUTLETS ARE TO BE INSTALLED IN EXISTING WALLS, IN FURNISHED ROOMS, THEY SHALL BE CONCEALED BY CUTTING AND PATCHING THE WALLS FOR THE CONDUITS AND OUTLET BOXES UNLESS OTHERWISE NOTED.
- CONDUITS OR SLEEVES, THAT ARE NO LONGER REQUIRED, WHICH ARE PROTRUDING THROUGH THE FLOOR SLAB, SHALL BE CUT BACK AND CAPPED. ALL FEEDERS TO BE REMOVED BACK TO PANEL BOARD.
- ELECTRICAL EQUIPMENT REMOVED SHALL BE RETURNED TO OWNER OR DISCARDED PER OWNER DIRECTION.
- REMOVE TELEPHONE AND DATA CABLES BACK TO CLOSET OF ORIGINATION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER'S TELECOMMUNICATION DEPARTMENTS FOR THE DISCONNECTION AND REMOVAL OF LOW TENSION DEVICES.
- ELECTRICAL CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF EXISTING SYSTEM CIRCUITS FOR FIRE ALARM, POWER AND TELE COMMUNICATIONS, ETC., DURING DEMOLITION.
- THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL ABANDONED WIRING/CABLING NO LONGER IN USE FROM RACEWAYS.
- UTILIZE, WHENEVER POSSIBLE, PRACTICAL, AND APPROVED BY ARCHITECT, EXISTING OUTLET BOXES, ETC., COMPATIBLE WITH THE MATERIAL SPECIFIED FOR INSTALLATION IN THE NEW CONSTRUCTION AREAS. WHENEVER EXISTING RACEWAY SYSTEMS ARE UTILIZED, REMOVE ALL EXISTING WIRING. IN SUCH CASES, ALL ASSOCIATED CONDUITS AND WIRING SHALL BE ARRANGED TO ACCOMMODATE THE NEW CIRCUITING AS SHOWN ON THE DRAWING.
- THE ELECTRICAL DEMOLITION PLANS INDICATE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL COMPONENTS AND ITEMS TO BE REMOVED OR RETAINED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF THEIR BID TO BECOME FAMILIAR WITH THE ACTUAL WORKING CONDITIONS AND EXTENT OF WORK. DEVICES AND EQUIPMENT LOCATED ON THE WALLS AND OR CEILINGS DESIGNATED TO BE REMOVED SHALL BE DISCONNECTED AND MADE SAFE. THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATION AND ARCHITECT OF ANY UNANTICIPATED OR HIDDEN CONDITIONS ENCOUNTERED DURING DEMOLITION.
- THE ELECTRICAL CONTRACTOR SHALL CIRCUIT TRACE AND LABEL ALL EXISTING BRANCH AND FEEDERS WITHIN OR ASSOCIATED WITH DEMOLITION SCOPE PRIOR TO DEENERGIZING AND DISCONNECTION. ALL CIRCUITS WITHIN PANELBOARDS, LOAD CENTERS, MOTOR CONTROL CENTERS AND SWITCHBOARDS, IDENTIFIED FOR REMOVAL SHALL BE TRACED AND FIELD LABELED TO ENSURE THAT NO AREA OUTSIDE THE SCOPE LIMIT IS AFFECTED.
- COORDINATE ALL TEL/DATA WIRING DEMOLITION WITH FIT INFORMATION SYSTEMS STAFF PRIOR TO THE START OF ANY DEMOLITION AFTER PROPERLY IDENTIFYING TEL/DATA WIRING, CABLES ARE TO BE COMPLETELY REMOVED FROM ALL TERMINATION INCLUDING JACKS, WALL PLATES AND PATCH PANELS.
- CONTRACTOR TO OPEN EXISTING CEILING AS REQUIRED FOR INSTALLATION OF NEW WORK OR REMOVAL/MODIFICATION OF EXISTING SYSTEMS AND EQUIPMENT. CEILINGS TO BE CLOSED UPON COMPLETION OF WORK.



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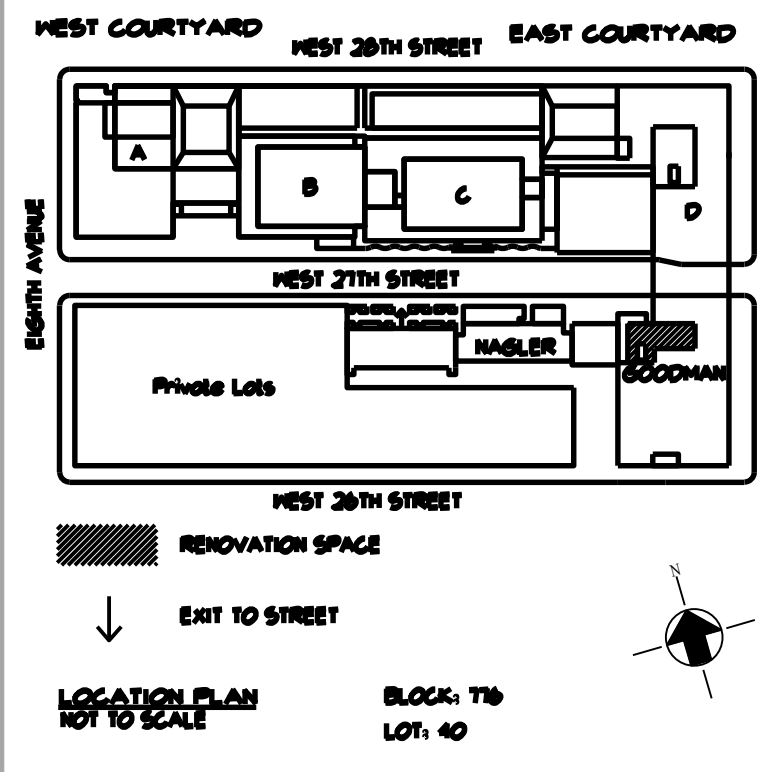
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PROJECT:
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DRAWING TITLE:
ELECTRICAL
SYMBOL LIST, GENERAL NOTES
& ABBREVIATIONS

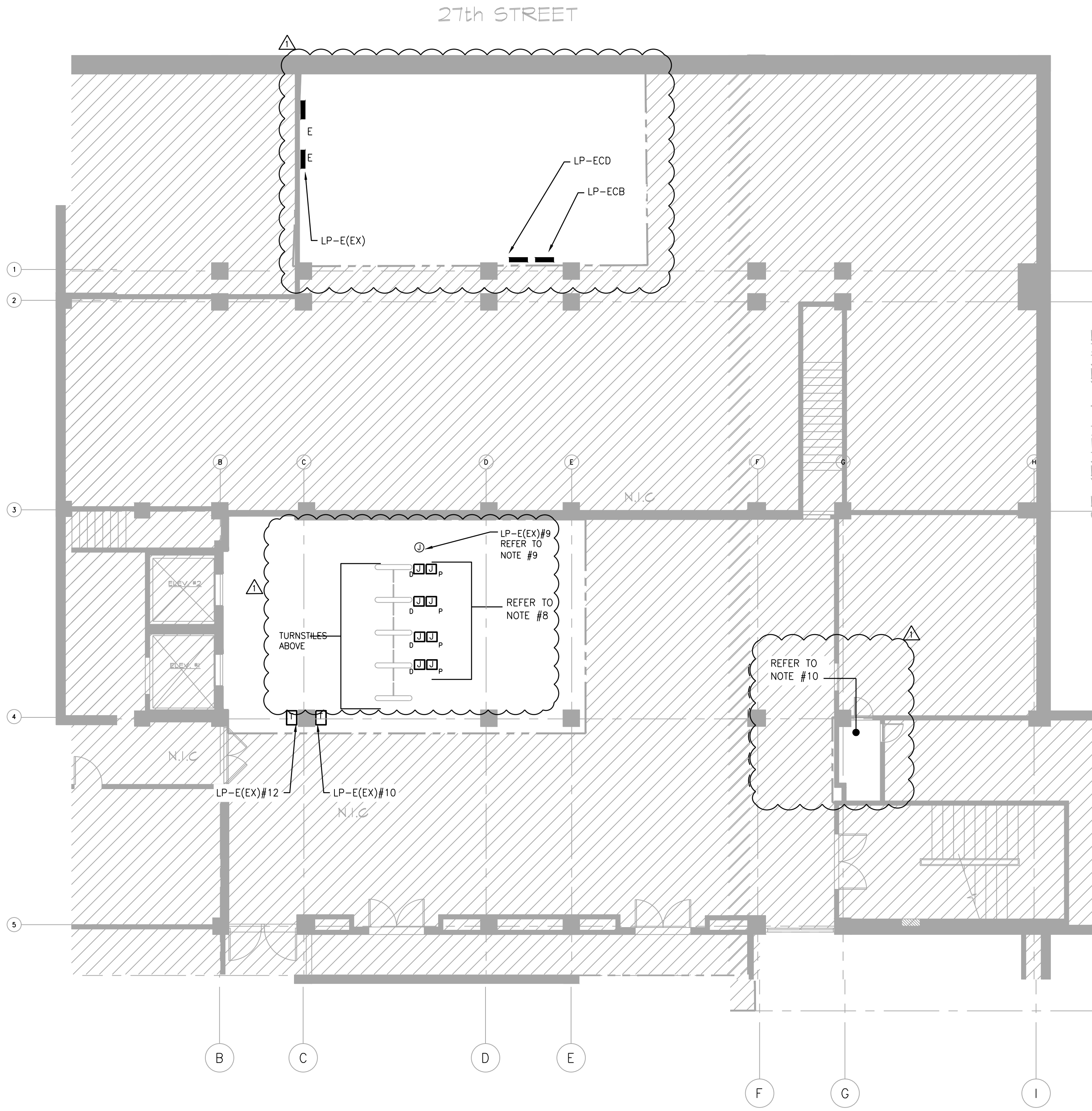
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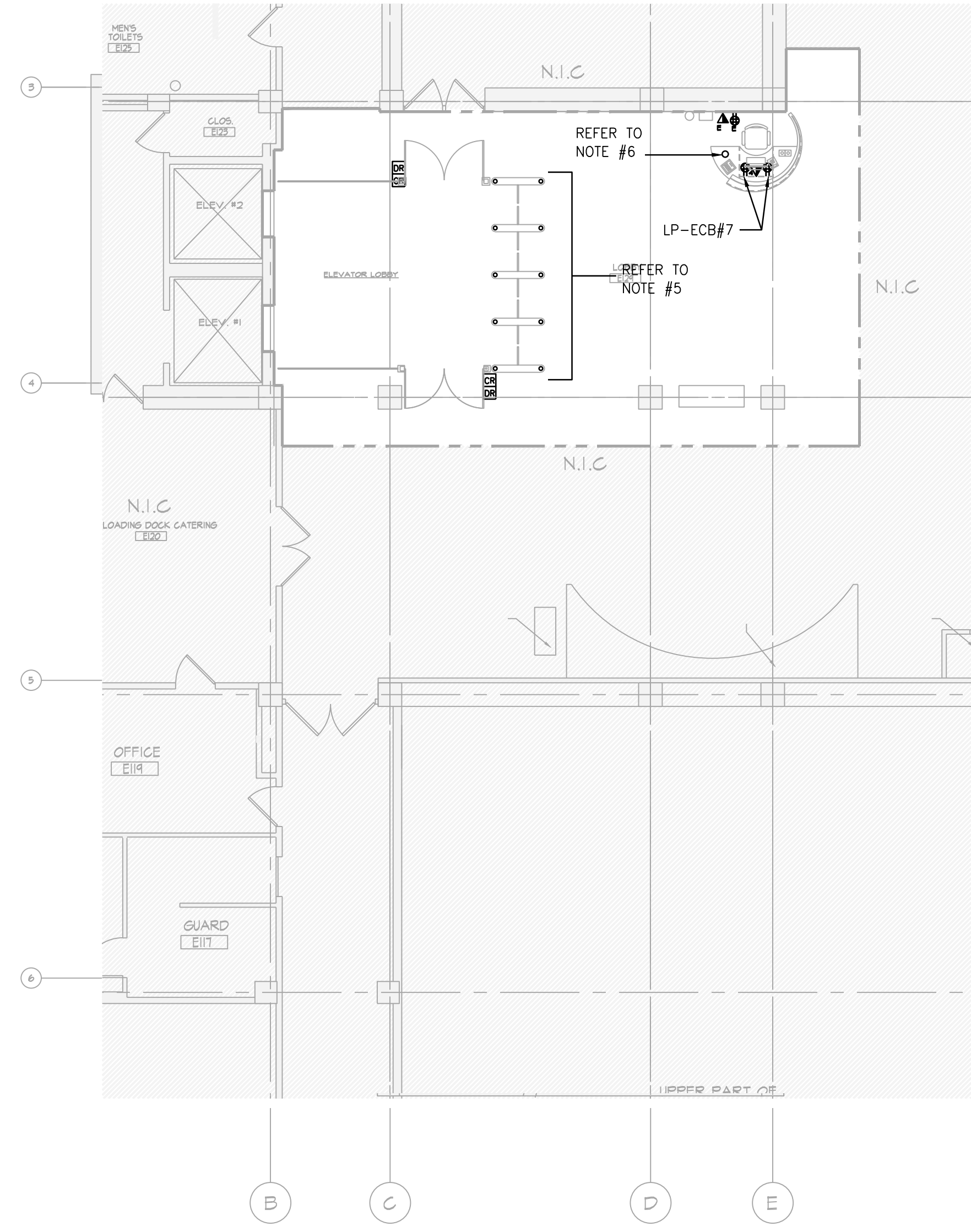


POWER NOTES:

- REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES AND OUTLETS. CONTRACTOR TO PROVIDE NEW DEVICES WITH NEW BRANCH CIRCUIT WIRING, WHERE REQUIRED.
- OUTLETS SHALL BE CIRCUITED IN ACCORDANCE WITH CIRCUIT NUMBER INDICATED ADJACENT TO EACH DEVICE.
- CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD, TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES IN THE PANEL.
- ALL BRANCH CIRCUITS SHALL ORIGINATE IN PANEL INDICATED, PROVIDE 2#12 AND 1#12G-3/4"C. TO A 20A/1P CIRCUIT BREAKER IN INDICATED PANEL UNLESS OTHERWISE NOTED.
- LOCATION OF ELECTRICAL CONNECTIONS TO PEDESTALS. ELECTRICAL CONNECTIONS ARE ACCESSIBLE FROM CELLAR ROOF SLAB. REFER TO CELLAR PART PLAN FOR ADDITIONAL INFORMATION.
- LOCATION OF CORE DRILL FOR ROUTING POWER & COMMUNICATIONS FEEDS TO DESK WIRING DEVICES AND CABLE FROM CONTROL PANEL TO PEDESTALS. COORDINATION WITH ARCHITECT AND TURNSTILE INSTALLERS REQUIRED.
- TRANSFORMER FOR POWER CONNECTION TO GATE PEDESTALS. TRANSFORMER MUST MOUNTED WITH 75 FEET OF TURNSTILES PEDESTALS. PROVIDE THE REQUIRE CONDUIT WIRE FOR POWER CONNECTION FOR EACH LANE FROM TRANSFORMER. COORDINATION WITH VENDOR REQUIRED.
- ELECTRICAL CONNECTIONS AT BASE OF PEDESTAL FOR LOW VOLTAGE SYSTEMS AND POWER IN-FEEDS. CONTRACTOR SHALL MAKE ALL REQUIRED CONNECTIONS. COORDINATION WITH INSTALLER IS REQUIRED.
- JUNCTION BOX FOR GUNNEO HMI PANEL
- LOCATION OF DATA CLOSET. CONTRACTOR SHALL PROVIDE ROUTING(SUPPORTS & PATHING) FOR DATA CABLE RUN TO ELECTRICAL CONNECTIONS AT PEDESTALS. COORDINATION WITH FIT IT DEPARTMENT AND FACILITIES DEPARTMENT REQUIRED.



CELLAR FLOOR PART PLAN
 SCALE: 1/8"=1'-0"



FIRST FLOOR PART PLAN
 SCALE: 1/8"=1'-0"

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DRAWING TITLE:
ELECTRICAL
CELLAR & FIRST FLOOR
POWER PART PLANS

DEPARTMENT OF BUILDING JOB #

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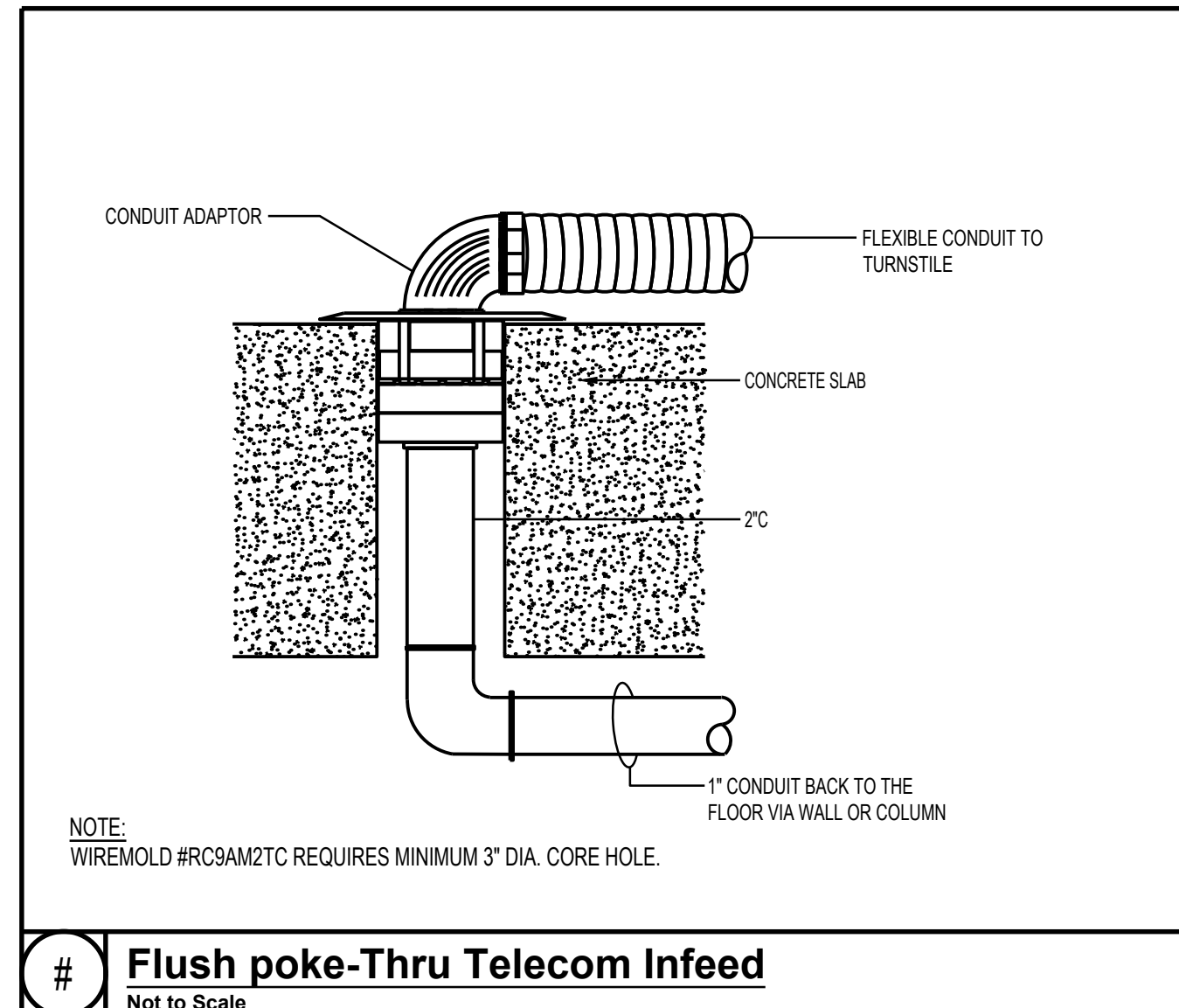
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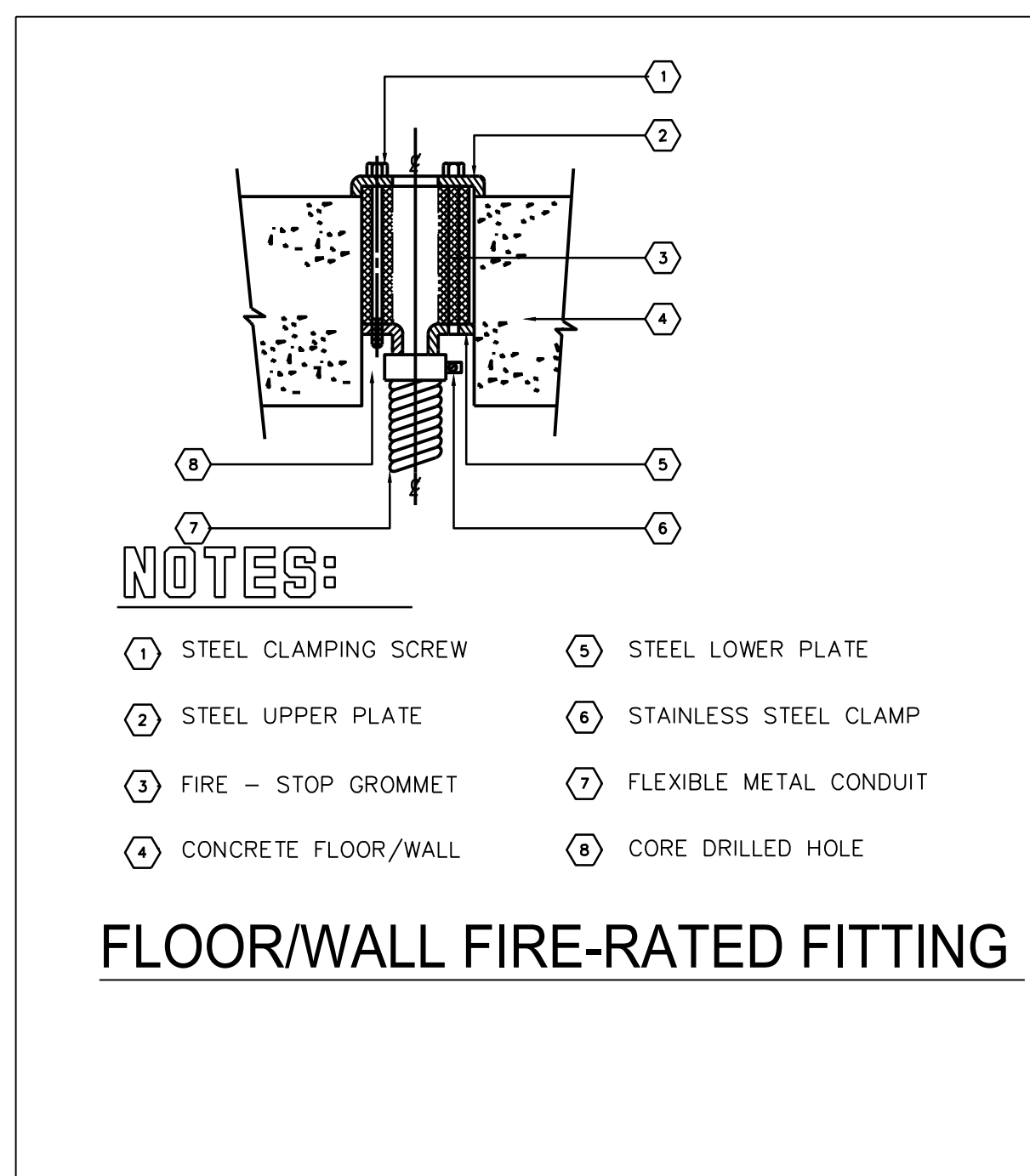
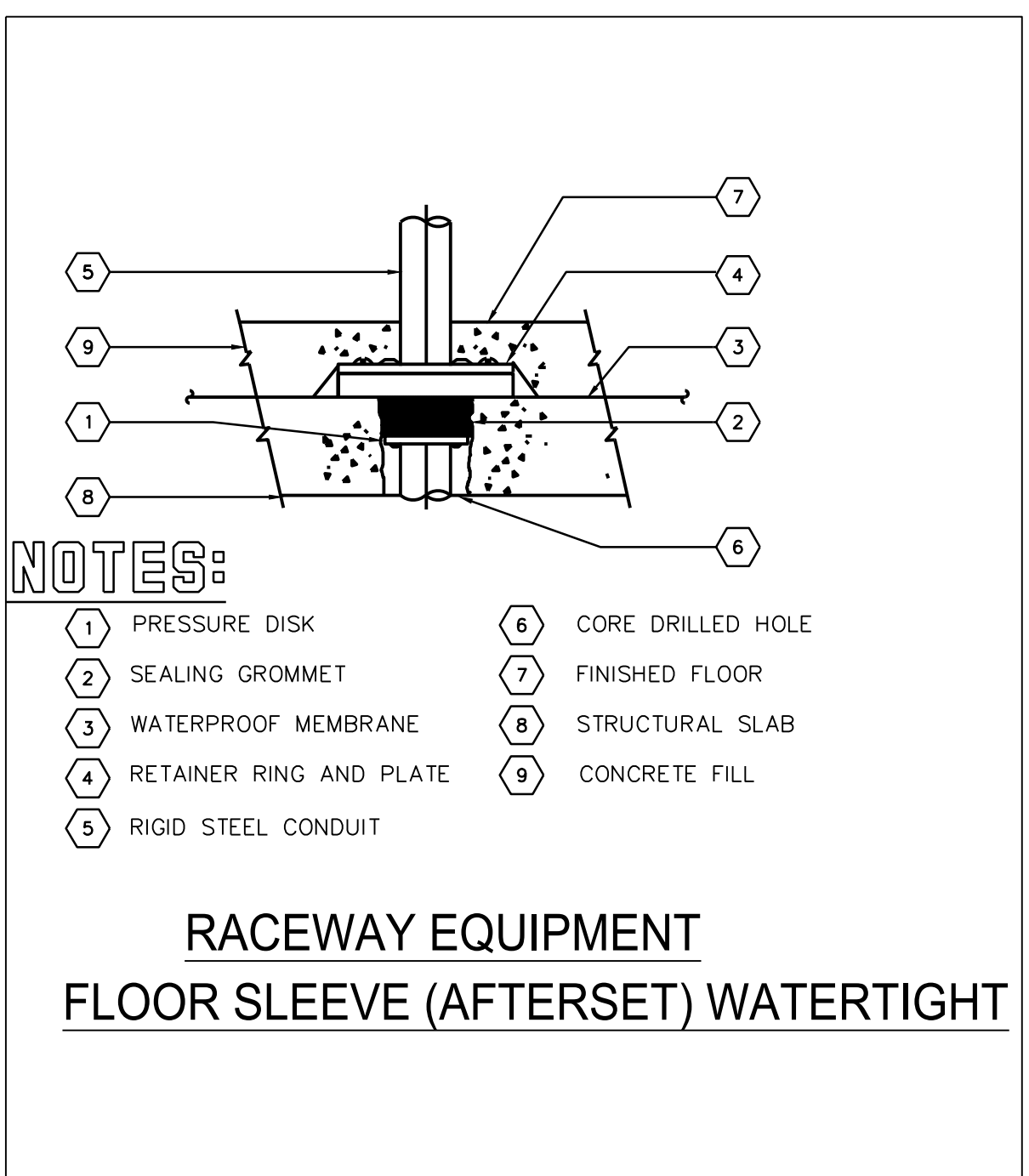
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DETAILS
& SCHEDULES

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Flush poke-Thru Telecom Infeed
 Not to Scale

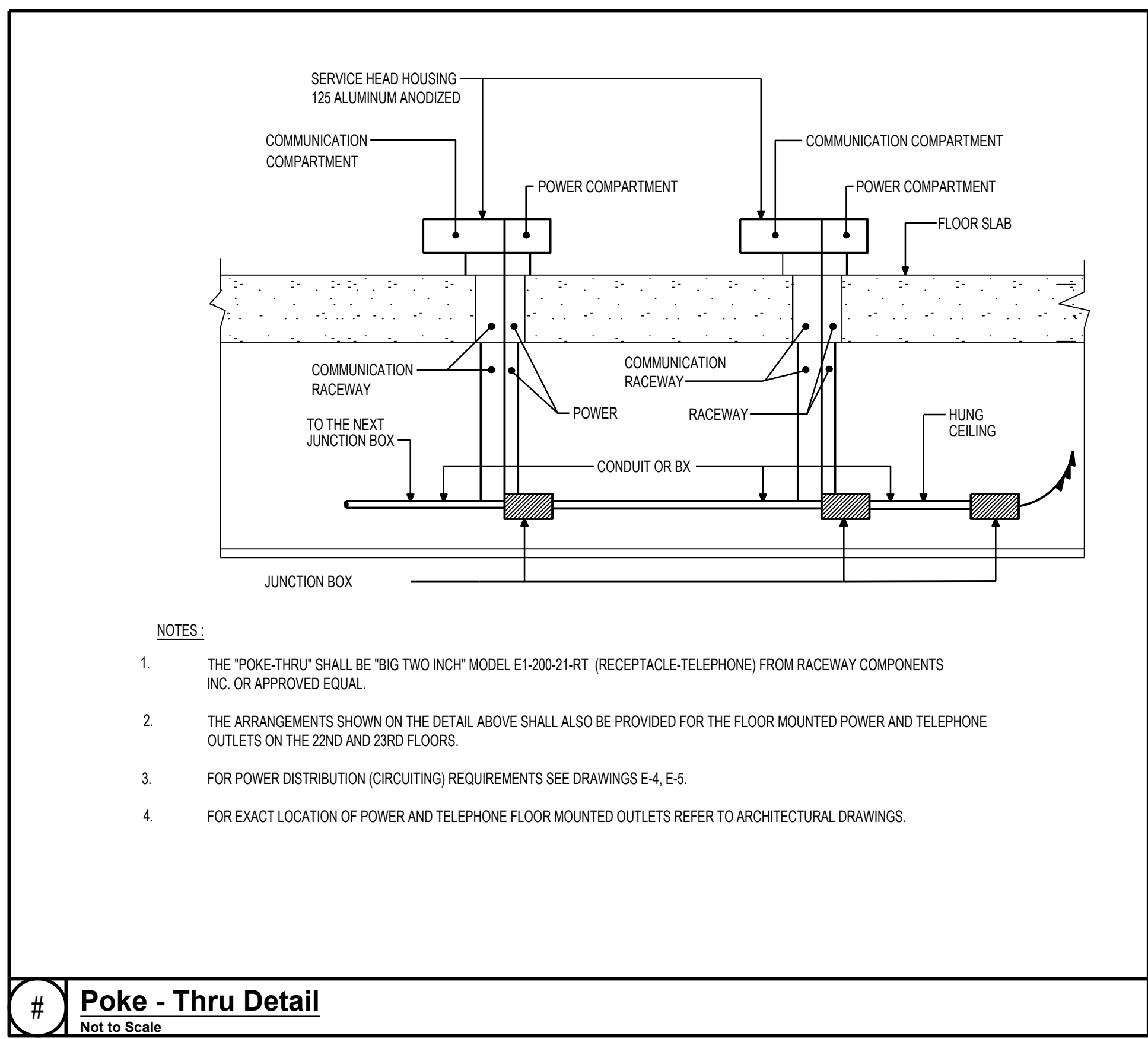


PANEL: LP-ECB (EXISTING)

MINIMUM AIC:	X	M.C.B. =	200% RATED NEUTRAL BUS									
FED FROM:		M.L.O.	FEED THRU PANEL									
MAIN BUS:	100 AMPS	X SURFACE	X EQUIPMENT GND BUS									
LOCATION:	CELLAR MER	FLUSH	ISOLATED GROUND									
208 /120V, 3 PHASE, 4 WIRE												
CKT/BKR	POLE	TRIP	LOAD DESCRIPTION	VA	KVA/PHASE			VA	LOAD DESCRIPTION	TRIP	POLE	#
					A	B	C					
1	1		EXISTING	-				-	EXISTING	-	1	2
3	1		EXISTING	-				-	EXISTING	-	1	4
5	1		EXISTING	-				-	EXISTING	-	1	6
7	1	20	RECEPTACLES ON DESK	-				-	EXISTING	-	1	8
9	1		EXISTING	-				-	EXISTING	-	1	10
11	1		EXISTING	-				-	EXISTING	-	1	12
13	1		EXISTING	-				-	EXISTING	-	1	14
15	1		EXISTING	-				-	EXISTING	-	1	16
17	1		EXISTING	-				-	EXISTING	-	1	18
19	1		EXISTING	-				-	EXISTING	20	1	20
21	1		EXISTING	-				-	EXISTING	-	1	22
23	1		EXISTING	-				-	EXISTING	-	1	24
CONNECTED KVA												
TOTAL CONNECTED KVA												
CONNECTED AMPS												
TOTAL CONNECTED AMPS												

PANEL: LP-E(EX)(EXISTING)

MINIMUM AIC:	X	M.C.B. =	200% RATED NEUTRAL BUS									
FED FROM:		M.L.O.	FEED THRU PANEL									
MAIN BUS:	100 AMPS	X SURFACE	X EQUIPMENT GND BUS									
LOCATION:	SERVICE RM- CELLAR	FLUSH	ISOLATED GROUND									
208 /120V, 3 PHASE, 4 WIRE												
CKT/BKR	POLE	TRIP	LOAD DESCRIPTION	VA	KVA/PHASE			VA	LOAD DESCRIPTION	TRIP	POLE	#
					A	B	C					
1	1		EXISTING	-				-	EXISTING	-	1	2
3	1		EXISTING	-				-	EXISTING	-	1	4
5	1		EXISTING	-				-	EXISTING	-	1	6
7	1		EXISTING	-				-	EXISTING	-	1	8
9	1	20	HMI DEVICE	-				-	TURNSTILES-XFRMR	20	1	10
11	1		EXISTING	-				-	TURNSTILES-XFRMR	20	1	12
13	1		EXISTING	-				-	EXISTING	-	1	14
15	1		EXISTING	-				-	EXISTING	-	1	16
17	1		EXISTING	-				-	EXISTING	-	1	18
19	1		EXISTING	-				-	EXISTING	-	1	20
21	1		EXISTING	-				-	EXISTING	-	1	22
23	1		EXISTING	-				-	EXISTING	1	1	24
CONNECTED KVA												
TOTAL CONNECTED KVA												
CONNECTED AMPS												
TOTAL CONNECTED AMPS												



NEW YORK CITY ENERGY CONSERVATION CODE
 TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NEW YORK CITY ENERGY CONSERVATION CODE.

