

	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
	ELECTRICAL SPECIFICATIONS															
K	1. GENERAL REQUIREMENTS															
	A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION.															
	B. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONAL COSTS SHALL BE AWARDED TO THE SUCCESSFUL CONTRACTOR OR THEIR SUBCONTRACTORS, AFTER BIDS HAVE BEEN SUBMITTED AND CONTRACTS AWARDED, FOR FAILURE TO VERIFY EXISTING JOB CONDITIONS. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR ALTERNATIVE METHODS OF INSTALLATION (3) DAYS MINIMUM PRIOR TO BIDDING OF JOB, TO ALLOW FOR ISSUANCE OF CLARIFICATIONS.															
	C. THE CONTRACTOR SHALL VISIT AND INSPECT THE SITE AND SHALL ASCERTAIN CONDITIONS UNDER WHICH THE WORK MUST BE PERFORMED INCLUDING THE HANDLING OF MATERIALS, SECURITY AND LIMITING FIELD DIMENSIONS, ANY ADDITIONAL COSTS RESULTING FROM CONTRACTORS FAILURE TO DO SO SHALL BE CONTRACTOR'S RESPONSIBILITY AND SHALL BE CONTRACTOR'S RESPONSIBILITY.															
J	D. ELECTRICAL CONTRACTOR SHALL VISIT SITE AND EXAMINE DRAWINGS OF OTHER TRADES ON THIS PROJECT, PARTICULARLY DEMOLITION, ARCHITECTURAL AND MECHANICAL, TO DETERMINE ANY ADDITIONAL WORK THAT MAY BE REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION AND SHALL INCLUDE AN ALLOWANCE FOR THIS WORK IN THEIR BID.															
I	E. ALL WORK SHALL BE DONE IN COMPLIANCE WITH ALL NATIONAL CODES, INCLUDING THE NEC, NFPA, IBC, IECC AND ALL APPLICABLE LOCAL CODES AND ORDINANCES, AND OTHER AUTHORITIES HAVING JURISDICTION OVER ELECTRICAL CONSTRUCTION WORK AND THE PROJECT. FILE PLANS WITH AND OBTAIN APPROVALS FROM MUNICIPAL AGENCIES. ALL REQUIRED PERMITS AND CERTIFICATIONS OF INSPECTION SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR AND PERTINENT CERTIFICATES SHALL BE DELIVERED TO THE TENANTS REPRESENTATIVE BEFORE FINAL BILLING.															
	F. TENANT REGULATIONS															
	(1) ALL WORK SHALL BE IN COMPLIANCE WITH ALL BUILDING REGULATIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN FROM THE BUILDING MANAGER A COPY OF ALL BUILDING RULES AND REGULATIONS. CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH COMPLYING WITH SUCH REGULATIONS IN THEIR BID.															
	(2) ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE FINISH SPECIFICATIONS (ELECTRICAL CONTRACTOR SHALL VERIFY IF SPECIFICATIONS ARE AVAILABLE IN THE MANAGEMENT OFFICE), DRAWINGS, AND LATEST REVISIONS ON CONTRACT DOCUMENTS FOR ELECTRICAL WORK. ENSURE ALL NEW EQUIPMENT IS PROVIDED AND INSTALLED PER BUILDING STANDARD REQUIREMENTS.															
H	(3) THE CONTRACTOR SHALL NOT DRILL HOLES INTO EXISTING SLABS OR STRUCTURAL MEMBERS FOR THE PURPOSE OF SUPPORTING ANY LOADS, OR ROUTING ANY FEEDERS, UNLESS WRITTEN APPROVAL IS OBTAINED FROM ENGINEER.															
G	(4) THE CONTRACTOR SHALL REPAIR OR REPLACE EXISTING CONSTRUCTION DAMAGED IN THE PERFORMANCE OF THIS CONTRACT.															
	G. SHOP DRAWINGS															
	(1) SUBMIT "SHOP DRAWINGS" AND "SAMPLES" FOR REVIEW. SHOP DRAWINGS SUBMITTAL SHALL INCLUDE DIMENSIONS, THICKNESS, PROFILES, TYPE OF MATERIAL, METHOD OF FASTENING, RELATION TO ADJACENT WORK AND ALL OTHER NECESSARY DETAILS TO FULLY DESCRIBE THE ITEM SUBMITTED. ALL SHOP DRAWINGS AND CUTS WILL BE SIGNED "REVIEWED" FOR DESIGN APPEARANCE ONLY. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ERRORS ON THEIR DRAWINGS.															
	(2) WHERE THE TERM "OR EQUIVALENT" IS USED, IT SHALL BE UNDERSTOOD THAT THE REFERENCE IS MADE TO THE RULING AND JUDGEMENT OF THE ENGINEER AND SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. SUBMIT ACTUAL SAMPLES OF ALL SUBSTITUTIONS.															
F	(3) THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH CONTRACT DOCUMENTS PRIOR TO SUBMITTING TO ENGINEER. CONTRACTOR SHALL PROVIDE A WRITTEN STATEMENT WITH SUBMITTAL STATING THAT SUCH A REVIEW HAS BEEN MADE. ALL SUBMITTALS MADE WITHOUT SUCH A STATEMENT SHALL BE RETURNED UNREVIEWED.															
	(4) CONTRACTOR TO CONFIRM DEFERRED SUBMITTALS WITH ARCHITECT, OWNER AND GENERAL CONTRACTOR. ALL APPROVED DEFERRED SUBMITTALS SHALL BE REVIEWED AND COORDINATED WITH CONTRACT DRAWINGS PRIOR TO PROCUREMENT AND ROUGH-IN.															
	H. LEAVE WORK READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. PROVIDE ACCESS HATCHES AS REQUIRED.															
	I. MAINTAIN A FIELD REPRESENTATIVE ON THE PREMISES AT ALL TIMES DURING THE COURSE OF THE CONSTRUCTION WORK.															
E	J. COORDINATE SEQUENCE OF WORK WITH ALL OTHER TRADES															
	K. NO REMOVALS SHALL BE MADE WITHOUT ARCHITECT'S OR ENGINEER'S APPROVAL. ALL EXISTING DEMOLISHED EQUIPMENT, MATERIALS, ETC., NOT REQUIRED TO BE INCORPORATED BACK INTO THE NEW WORK SHALL BE REMOVED AND DISPOSED OF BY THIS CONTRACTOR, UNLESS OTHERWISE NOTED.															
	L. THIS CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO BRING THE ELECTRICAL AND COMMUNICATION SERVICES TO THE SPACE AND SHALL PROVIDE A SYSTEM OF TEMPORARY LIGHTING AND POWER OUTLETS FOR THEIR WORK AND THE WORK OF OTHER TRADES AND SHALL REMOVE ALL TEMPORARY WORK PRIOR TO THE COMPLETION OF THE JOB.															
	M. THE CONTRACTOR SHALL SUPPLY ALL EQUIPMENT, LABOR SERVICES AND MATERIALS REQUIRED FOR THE COMPLETE INSTALLATION OF THE LIGHTING, POWER AND COMMUNICATION SYSTEMS SHOWN IN THE DRAWINGS AND HEREIN SPECIFIED. ALL MATERIALS SHALL BE NEW AND OF THE HIGHEST QUALITY AVAILABLE AND SHALL BEAR THE UNDERWRITERS LABORATORY OR APPROVE LISTING AGENCY LABEL.															
D	N. ALL WIRING, INCLUDING LOW VOLTAGE SIGNAL AND TELEPHONE, SHALL BE INSTALLED IN CONDUIT. UL APPROVED PLENUM CABLE MAY BE USED WITHOUT CONDUIT WHERE CONCEALED AND IF ACCEPTABLE TO BOTH LOCAL AUTHORITIES HAVING JURISDICTION AND THE OWNER.															
	O. IT IS THE INTENT OF THIS SPECIFICATION THAT CONTINUITY OF ELECTRICAL SERVICE BE MAINTAINED. ALL REQUIRED SHUTDOWNS SHALL BE COORDINATED IN ADVANCE WITH THE OWNER AND SHALL BE SCHEDULED OUTSIDE NORMAL WORKING HOURS. CONTRACTOR SHALL INCLUDE ALL PREMIUM TIME COSTS FOR SUCH SHUTDOWNS IN HIS BID.															
	(1) WHEN INSTALLATION OF A NEW SYSTEM REQUIRES THE TEMPORARY SHUTDOWN OF AN EXISTING OPERATING SYSTEM, THE CONNECTION OF THE NEW SYSTEM SHALL BE PERFORMED AT SUCH TIME AS DESIGNATED BY THE OWNER.															
	(2) THE OWNER SHALL BE NOTIFIED OF THE ESTIMATED DURATION OF THE SHUTDOWN PERIOD TWO WEEKS IN ADVANCE OF THE DATE THE WORK IS TO BE PERFORMED.															
C	(3) WORK SHALL BE ARRANGED FOR CONTINUOUS PERFORMANCE, INCLUDING OVERTIME, AT NO EXTRA COST TO THE OWNER TO ASSURE THAT EXISTING OPERATING SERVICES WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE NECESSARY CONNECTIONS.															
	P. VERIFY SOURCE OF POWER TO ALL EQUIPMENT WITH BUILDING MANAGEMENT PRIOR TO INSTALLATION.															
	Q. THE CONTRACTOR, BEFORE FINAL ACCEPTANCE WILL BE GRANTED, SHALL CLEAN ALL LIGHTING FIXTURES, DEVICE PLATES, SERVICE FITTINGS, AND OTHER ITEMS FURNISHED UNDER THIS CONTRACT. CONTRACTOR SHALL ENSURE THAT ALL DIRECTORIES ARE IN PLACE WITH COMPLETED SCHEDULES, PANELBOARDS ARE VACUUMED AND ALL IDENTIFICATIONS AND MARKINGS OF EQUIPMENT, CABLES, AND OTHER ITEMS ARE COMPLETED.															
	R. ALL AREAS AFFECTED BY THIS REMODEL MUST BE LEFT CLEAN. ALL CEILING TILES MUST BE CLEAN, UNDAMAGED AND IN PLACE.															
B	S. AS-BUILT DRAWINGS															
	(1) THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ALL WORK AS ACTUALLY INSTALLED. THE RECORD SET SHALL BE AVAILABLE AT THE SITE AT ALL TIMES.															
	[NOTE TO SPEC WRITER: SELECT APPROPRIATE PARTY.]															
	(2) AT CONCLUSION OF WORK, SUBMIT ORIGINAL LEGIBLE REPRODUCIBLE COPY ALONG WITH AN ELECTRONIC FILE REFLECTING AS-BUILT CONDITION TO ELECTRICAL ENGINEER OF RECORD AND SUBMIT TO BUILDING MANAGEMENT/ TENANT.															
A	T. GUARANTEES															
	(1) CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE OF THE PROJECT. IT IS UNDERSTOOD BY THEIR ACCEPTANCE OF THE CONTRACT THAT THEY WILL MAKE GOOD ON ALL WORK AND MATERIALS WHICH ARE DEFECTIVE OR DAMAGED BY ELECTRIC TRADE OR OTHER TRADES FOR THE DURATION OF THE STIPULATED GUARANTEE PERIOD.															
	2. SCOPE OF WORK															
	A. THE WORK UNDER THIS SECTION CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT AND APPLICATIONS INDICATED OR NECESSARY FOR ALL ELECTRICAL WORK AS INDICATED ON THE DRAWINGS OR DESCRIBED OR REFERRED TO IN THE SPECIFICATIONS.															

B. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN CHARACTER. LOCATIONS SHOWN FOR ELECTRICAL EQUIPMENT, DEVICES, CIRCUITING, ETC. ARE APPROXIMATE. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT DEVICE LOCATIONS WITH ARCHITECTURAL AND INTERIOR DESIGN PLANS, ELEVATIONS, DETAILS, AND MILLWORK SHOP DRAWINGS. ALL DIMENSIONS ARE TO BE TAKEN OFF OF ARCHITECTURAL PLANS OR MANUFACTURER'S SHOP DRAWINGS.

C. VERIFY IN FIELD AND ENSURE ALL ELECTRICAL CLEARANCES FOR ELECTRICAL EQUIPMENT ARE MAINTAINED PER NEC AND APPLICABLE LOCAL CODES REQUIREMENTS. COORDINATE WITH OTHER TRADES FOR SPACE CONFLICTS PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT. DO NOT SCALE OFF OF ELECTRICAL PLANS.

D. WHEN DIMENSIONS ARE SHOWN ON ELECTRICAL PLANS OR DETAILS, THESE DIMENSIONS ARE TO BE FIELD VERIFIED BY THE ELECTRICAL CONTRACTOR AGAINST FIELD CONDITIONS. INSTALLATION REQUIREMENTS OF OTHER TRADES, AND THE MANUFACTURER'S SUBMITTALS FOR EQUIPMENT TO BE INSTALLED. SHOULD ANY CONFLICTS ARISE, WHICH CANNOT BE EASILY RESOLVED IN THE FIELD WITHOUT CHANGING THE DESIGN INTENT, THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

E. FOR SITE WORK, CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOCATING, VERIFYING, AND AVOIDING ANY NEW AND EXISTING UNDERGROUND SERVICES/UTILITIES.

F. THE ELECTRICAL CONTRACTOR OR COMPANIES SUBCONTRACTED UNDER THEIR SCOPE OF WORK SHALL ARRANGE FOR ALL INSPECTIONS WHEN THEY BECOME DUE. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL REMAIN EXPOSED TO VIEW UNTIL APPROVED BY THE INSPECTION AUTHORITY.

[NOTE TO SPEC WRITER: DELETE THE FOLLOWING PARAGRAPH FOR NEW CONSTRUCTION.]

G. ELECTRICAL ITEMS AFFECTED BY REMODEL WORK ARE SHOWN ON DRAWINGS ALONG WITH EXISTING ELECTRICAL INSTALLATION. EXISTING ELECTRICAL SHOWN IS NOT NECESSARILY ALL-INCLUSIVE.

[NOTE TO SPEC WRITER: DELETE THE FOLLOWING SECTION FOR NEW CONSTRUCTION.]

H. ELECTRICAL DEMOLITION

(1) THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR REMOVALS AND RELOCATIONS IN THE CONTRACT. THESE COSTS SHALL INCLUDE WORK DESCRIBED IN THE SPECIFICATIONS AND SHOWN ON THE DRAWINGS WITH ALLOWANCES FOR NORMAL UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN SPECIFIC CASES CONSIDERED JUSTIFIABLE BY THE ENGINEER OR ARCHITECT.

[NOTE TO SPEC WRITER: SELECT APPROPRIATE PARTY.]

(2) ALL PRESENT ELECTRICAL MATERIAL AND EQUIPMENT WHICH IS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF AND SHALL BE REMOVED BY THE ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER FOR ALL ELECTRICAL EQUIPMENT BEING REMOVED AND NOT REUSED. VERIFY, PRIOR TO DEMOLITION, IF EQUIPMENT IS TO BE DISPOSED OF OR STOCKPILED.

(3) THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUTS. ALL WORK WHICH IS NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE SOURCE OF POWER SUPPLY AND REMOVED IN ITS ENTIRETY.

(4) ALL RACEWAYS WHICH BECOME EXPOSED BEYOND FINISHED SURFACES BECAUSE OF THE ALTERATION WORK SHALL BE REMOVED AND REROUTED BEHIND THE FINISHED SURFACES. REMOVE ABANDONED SURFACE MOUNTED CONDUITS.

(5) PORTIONS OF FEEDER LINES THAT HAVE TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK BUT ARE REQUIRED TO CONTINUE TO FUNCTION SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED FOR CONTINUATION OF THEIR PRESENT FUNCTION. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING FEEDERS IN ALL RESPECTS, INCLUDING CONDUCTOR CAPACITY, CONDUITS SIZE, ETC.

(6) REMOVE CONDUCTORS FROM EXISTING CONDUITS THROUGH WHICH NEW CONDUCTORS ARE TO BE PULLED.

(7) CONTRACTOR SHALL REMOVE ALL SWITCHES, COMMUNICATION OUTLETS, AND ELECTRICAL OUTLETS SCHEDULED FOR DEMOLITION. ALL UNUSED POWER WIRING SHALL BE REMOVED BACK TO ELECTRICAL PANEL FEEDING THE CIRCUIT.

(8) FOR UNUSED JUNCTION BOXES, REMOVE WIRING AND PROVIDE BLANK COVER PLATE. OR COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF WALL TO MATCH ADJACENT WALL. FINISH PER DIRECTION OF ARCHITECT.

(9) ALL UNUSED CIRCUITS THAT ARE SPARES SHALL BE TURNED OFF AND LABELED AS SPARES ON REVISED PANEL DIRECTORIES.

(10) RETAIN CIRCUIT CONTINUITY FOR EXISTING ELECTRICAL EQUIPMENT, FIXTURES, AND DEVICES THAT ARE TO REMAIN. SUCH EQUIPMENT SHALL BE RECONNECTED TO EXISTING CIRCUITS OR NEW CIRCUIT(S) AS INDICATED ON DRAWINGS. IF SUFFICIENT CIRCUITS ARE NOT AVAILABLE FOR CONSTRUCTION REMODEL OR THE CIRCUIT IS BEING OVERLOADED, CONTACT ENGINEER IMMEDIATELY. REMOVE JUNCTION BOX COVER PLATES WITH INACCURATE PANEL/CIRCUIT IDENTIFICATION AND REPLACE WITH NEW COVERS REFLECTING ACCURATE PANEL/CIRCUIT INFORMATION.

(11) CONTRACTOR SHALL ENSURE THAT CIRCUITS SHARED BETWEEN PROJECT AREA AND EXISTING SPACES REMAIN INTACT PER ORIGINAL DESIGN INTENT.

(12) ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING OUT ALL EXISTING TO REMAIN CIRCUITS WHICH ARE OR MAY BE AFFECTED BY THIS PROJECT. TO ENSURE CIRCUIT CONTINUITY AND TO PREVENT OVERLOADING OF ANY SINGLE CIRCUIT, MAXIMUM OF NINE (9) RECEPTACLES SHALL BE CONNECTED TO A 20-AMP CIRCUIT UNLESS OTHERWISE NOTED OR A MAXIMUM OF 16-AMPS SHALL BE CONNECTED TO A 20-AMP CIRCUIT.

[NOTE TO SPEC WRITER: SELECT APPROPRIATE PARTY.]

(13) FOR EXISTING FLOOR-MOUNTED DEVICES (POKE-THRU)S BEING ABANDONED, REMOVE EXISTING DEVICES, CONDUIT, AND ASSOCIATED WIRING BACK TO POINT OF ORIGIN. MAINTAIN CIRCUIT CONTINUITY FOR REMAINING DEVICES, IF REQUIRED. PROVIDE A FIRE-RATED PLUG AND FLUSH ABANDONMENT KIT. COORDINATE WITH BUILDING MANAGEMENT TO INFORM TENANT BEFORE PRIOR TO COMMENCEMENT OF WORK. ALL WORK WITHIN EXISTING TENANT SPACE(S) SHALL BE PERFORMED OFF HOURS UNLESS BUILDING MANAGEMENT AUTHORIZES DIFFERENT HOURS.

[NOTE TO SPEC WRITER: SELECT APPROPRIATE PARTY.]

(14) TENANT'S COMMUNICATIONS VENDOR SHALL REMOVE ALL ABANDONED AND UNUSED PHONE/DATA CABLEING, CABLE SUPPORTS, CONDUIT, JUNCTION BOXES AND ASSOCIATED WIRING LOCATED IN THE CEILING SPACE BACK TO POINT OF ORIGIN, UNLESS THE TENANT'S COMMUNICATIONS CONTRACTOR IS CONTRACTED TO REMOVE THE PHONE/DATA CABLEING UNDER A SEPARATE CONTRACT. THE GENERAL CONTRACTOR SHALL COORDINATE THE APPROPRIATE CONTRACTOR FOR THE REMOVAL OF THE PHONE /DATA CABLEING, PRIOR TO DISCONNECTING AND REMOVING ANY EQUIPMENT, DEVICES OR CABLEING. THE APPROPRIATE CONTRACTOR SHALL ENSURE EQUIPMENT IS ABANDONED AND CAN BE REMOVED. COORDINATE WITH OWNER PRIOR TO REMOVAL.

I. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION BOXES, NEW CONDUIT, AND WIRING AS REQUIRED TO REPAIR, REROUTE AND RECONNECT CONDUCTORS THAT ARE DAMAGED, DISTURBED OR OTHERWISE ADVERSELY AFFECTED BY THE DEMOLITION AND REMODEL WORK.

J. ALL NEW AND RELOCATED MATERIALS INSTALLED IN CEILING PLENUM SHALL BE UL LISTED FOR PLENUM INSTALLATION. LOW VOLTAGE CABLE AND CONDUCTORS NOT ENCLOSED IN CONDUIT SHALL BE UL CLASS I RATED, WITH INSULATION MEETING NON-TOXICITY REQUIREMENTS.

K. PROVIDE POWER FOR ALL EQUIPMENT PROVIDED BY OTHER TRADES. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL CONNECTION WITH MECHANICAL/PLUMBING CONTRACTOR. ELECTRICAL CONTRACTOR SHALL OBTAIN MECHANICAL SUBMITTALS TO COORDINATE DISCONNECT MEANS, SPECIFICATIONS, AND VOLTAGE REQUIREMENTS PRIOR TO ROUGH-IN. VERIFY UNIT WHEN DELIVERED TO SITE. IF DISCREPANCIES OCCUR, NOTIFY ELECTRICAL ENGINEER IMMEDIATELY.

L. FOR MODULAR FURNITURE, PROVIDE FLEX CONNECTIONS FROM WALL, POWER POLE, OR FLOOR POKE-THRU FITTINGS TO MODULAR FURNITURE ELECTRIFIED BASES. COORDINATE ALL CONNECTION LOCATIONS WITH FURNITURE SUBCONTRACTOR PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR TO MAKE FINAL ELECTRICAL CONNECTIONS TO FURNITURE SYSTEMS.

M. ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL EXISTING/RELOCATED ELECTRICAL OUTLETS FUNCTION PROPERLY. REPLACE DAMAGED RECEPTACLES OR WIRING WITH NEW WHERE REQUIRED.

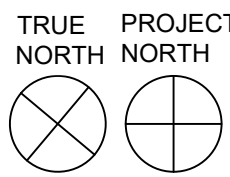
N. FOR DEVICES OR JUNCTION BOXES LOCATED IN WALLS, WHICH MUST REMAIN IN PLACE FOR CIRCUIT CONTINUITY, PROVIDE BLANK COVER PLATES TO MATCH NONEXISTING COVER PLATES.

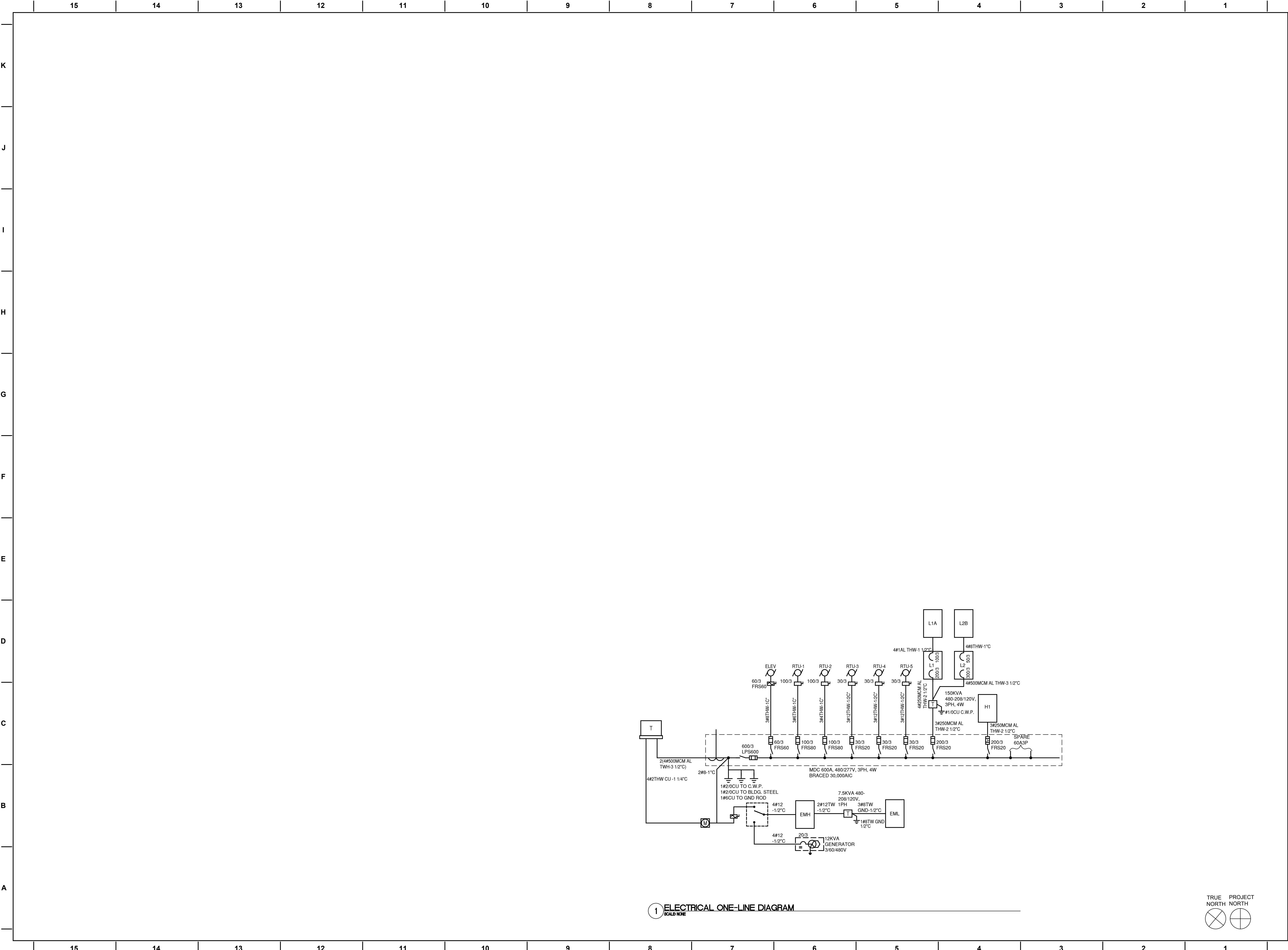
O. PROVIDE ALL CUTTING AND PATCHING OF THE STRUCTURE REQUIRED FOR INSTALLATION OF ELECTRICAL WORK. ALL STRUCTURAL CORES SHALL BE COORDINATED WITH STRUCTURAL ENGINEER PRIOR TO CUTTING.

P. PRIOR TO CORE DRILLING THROUGH FLOORS, VERIFY CLEARANCE OF BEAMS, DUCTWORK, ETC. IN CEILING SPACE BELOW AND USE X-RAY/GPR SCANS FOR CONDUIT AND/OR REBAR IN SLAB. COORDINATE WITH OWNER TO INFORM TENANT BEFORE OF SCHEDULING FOR CORE DRILLING AND TO ADVISE CONCERNING PROTECTION OF ANY SENSITIVE EQUIPMENT PRIOR TO COMMENCEMENT OF WORK. ALL X-RAYS AND CORE DRILLS MUST BE SCHEDULED FOR AFTER HOURS UNLESS BUILDING MANAGEMENT AUTHORIZES DIFFERENT HOURS.

Q. ENSURE ALL NEW AND EXISTING CONDUITS, COMMUNICATION AND DATA CABLES, AND FIRE ALARM CABLES ARE SUSPENDED INDEPENDENTLY FROM STRUCTURE AND RUN IN CEILING PLENUM NO LOWER THAN 10" ABOVE THE

	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
	8. FUSES			(12) WITHIN CONCRETE SLABS, OR CONNECTIONS TO CAST-IN-PLACE FLOOR BOXES, MAXIMUM SIZES AND LOCATIONS OF CONDUIT SUBJECT TO APPROVAL BY STRUCTURAL ENGINEER AND ARCHITECT - RMC, IMC												
	G. GENERAL															
K	(1) PROVIDE REJECTION FUSES FOR ALL FUSIBLE EQUIPMENT REGARDLESS OF WHICH TRADE HAS FURNISHED SUCH EQUIPMENT.			(13) HAZARDOUS AREAS - RMC												
	(2) FUSES SHALL BE OF THE RATINGS AND TYPES SHOWN ON THE DRAWINGS OR AS RECOMMENDED BY EQUIPMENT MANUFACTURER.			(14) TERRAZZO - RMC												
	(3) FUSES SHALL BE UL LISTED AND SHALL BE BUSSMAN MANUFACTURING CO., FERRAZ SHAWMUT, OR CEFCO.			(15) FIRE ALARM INITIATING CIRCUITS AND SIGNALING CIRCUITS - EMT												
	(4) PROVIDE 10 % SPARES (MINIMUM OF THREE) OF EACH SIZE AND TYPE. SPARE FUSES SHALL BE TURNED OVER TO THE TENANT.			(16) FIRE ALARM SYSTEM AUTO DIALER TELEPHONE CIRCUIT - RMC												
	H. PRODUCTS			F. INSTALLATION												
J	(1) ALL FUSES SHALL BE CURRENT LIMITING AND HAVE AN INTERRUPTING CAPACITY OF AT LEAST 200,000 AMPERES RMS SYMMETRICAL.			(1) ALL CONDUIT AND RACEWAYS SHALL BE INSTALLED CONCEALED, EXCEPT WHERE SHOWN TO BE RUN EXPOSED ON DRAWINGS. CONDUIT SHALL BE RUN HORIZONTALLY AND VERTICALLY SQUARE TO COLUMN LINES.												
	(2) THE TIME-CURRENT CHARACTERISTICS AND RATINGS SHALL BE SUCH THAT POSITIVE SELECTIVE COORDINATION IS ASSURED.			(2) THE SIZE OF EACH RUN OF CONDUIT OR EMT SHALL BE THE LARGER OF THE FOLLOWING:												
	9. CONDUITS, FITTINGS AND SUPPORTS															
	A. CONDUIT															
I	(1) INTERMEDIATE METAL CONDUIT (IMC)															
H																
G																
F																
E																
D																
C																
B																
A																





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NOT FOR
CONSTRUCTION

THRIVING FAMILIES
191 Yuma St, Denver CO, 80223

ISSUANCE: DATE
FOR CONSTRUCTION 2024.04.10

REVISION	DATE

PROJECT NUMBER: 20XXX

SHEET TITLE:
ELECTRICAL ONE-LINE
DIAGRAM

SHEET NUMBER:

E0.03

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LUMINAIRE SCHEDULE										
TYPE	LAMP & KELVIN	DESCRIPTION	MOUNTING	MOUNTING HEIGHT	LOAD (VA)	LUMENS	VOLTS	CONTROL	MANUFACTURER/CAT. NO.	NOTES
F1	3500K LED	2'X4' GRID TROFFER	RECESSED	TBD	35	4000	120-277	0-10V DIMMING 10%	LITHONIA LIGHTING - STAKS 2X4 AL06 SWW7	1,2,3
F2	3500K LED	6" ROUND DOWNLIGHT	RECESSED	TBD	22.5	2006	120-277	0-10V DIMMING 10%	LITHONIA LIGHTING - LDN6 35/20 L06 " " " MVOLT GZ10	1,2,3
F3	4000K LED	4' LINEAR STRIP LIGHT	SURFACE	TBD	35.3	4298	120-277	NON-DIMMING	LITHONIA LIGHTING - CSS L48 4000LM MVOLT 40K 80CRI	1,2,3
F4	3500K LED	DECORATIVE VANITY SCOFFCE	SURFACE	TBD	27	1690	120-277	NON-DIMMING	LITHONIA LIGHTING - FMVCCLS 24IN MVOLT 30K35K40K 90CRI BN M6	1,2,3
F5	3500K LED	13' PERIMETER COVE LIGHTING	RECESSED	TBD	48.1	4108	120	DIMMING	MARK ARCHITECTURAL LIGHTING - SL4L LOP 13' RLP WFL 80CRI 35K 400LMF WW DARK 57VDC DCHUB	1,2,3
GENERAL NOTES: 1. VERIFY EXACT FIXTURE'S CATALOG NUMBER, FINISH, LAMP(S), LENGTHS AND OPTIONS WITH ARCHITECT/INTERIORS/OWNER PRIOR TO ORDERING. 2. CONTRACTOR TO VERIFY DIMMING CONTROLS ARE COMPATIBLE WITH LIGHT FIXTURE'S PURCHASED. 3. CONTRACTOR TO PROVIDE ALL PARTS AND ACCESSORIES FOR A COMPLETE, AND FUNCTIONING SYSTEM. NOTES: A.										

Type	SOO	OCCUPANCY SENSOR	DAYLIGHT SENSOR	OTHER
LC1	Work Room, Huddle, Wellness, Copy/Print	X 20 X X	X	50
LC2	Break Room, Waiting Room	X 20 X X	X	30
LC3	Corridor	X 20 X X	X	20
LC4	Open Office - Daylight	X 20 X X	X	50 X
LC5	Open Office, Medium Conference	X 20 X X	X	50 X
LC6	Restroom	X 20 X		30 X X
LC7	Storage, IDF Closet	X 20 X		30

NOTES:

1 IF SHOWN ON LIGHTING PLANS - PROVIDE SECONDARY DAYLIGHT SIDE DAYLIGHT ZONE IF >300w IN BOTH THE PRIMARY AND SECONDARY ZONE.
2 OCCUPANCY ZONES TO BE NO GREATER THAN 600sqft

TRUE NORTH

PROJECT NORTH

Clic.
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191 Yuma St, Denver CO, 80223

ISSUANCE:	DATE
FOR CONSTRUCTION	2024.04.10

[illegible]

OBJECT NUMBER: 20XXX

MEETING TITLE:

FIGHTING SCHEDULES

EET NUMBER:

EO.07



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ISSUANCE: DATE
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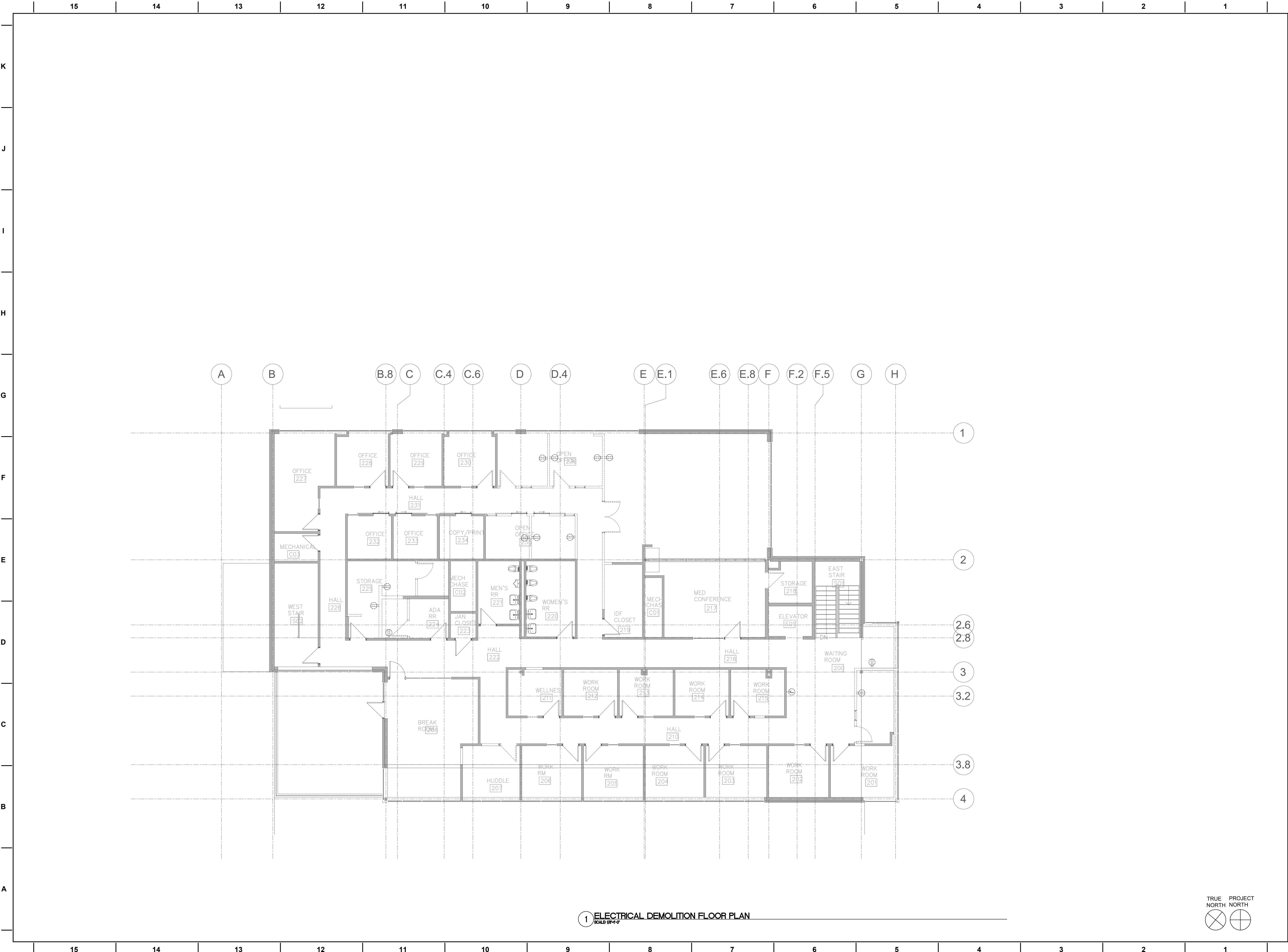
REVISION	DATE

PROJECT NUMBER: 20XXX

SHEET TITLE:
ELECTRICAL FLOOR PLAN

SHEET NUMBER:

E1.00



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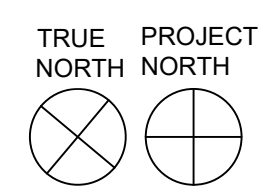
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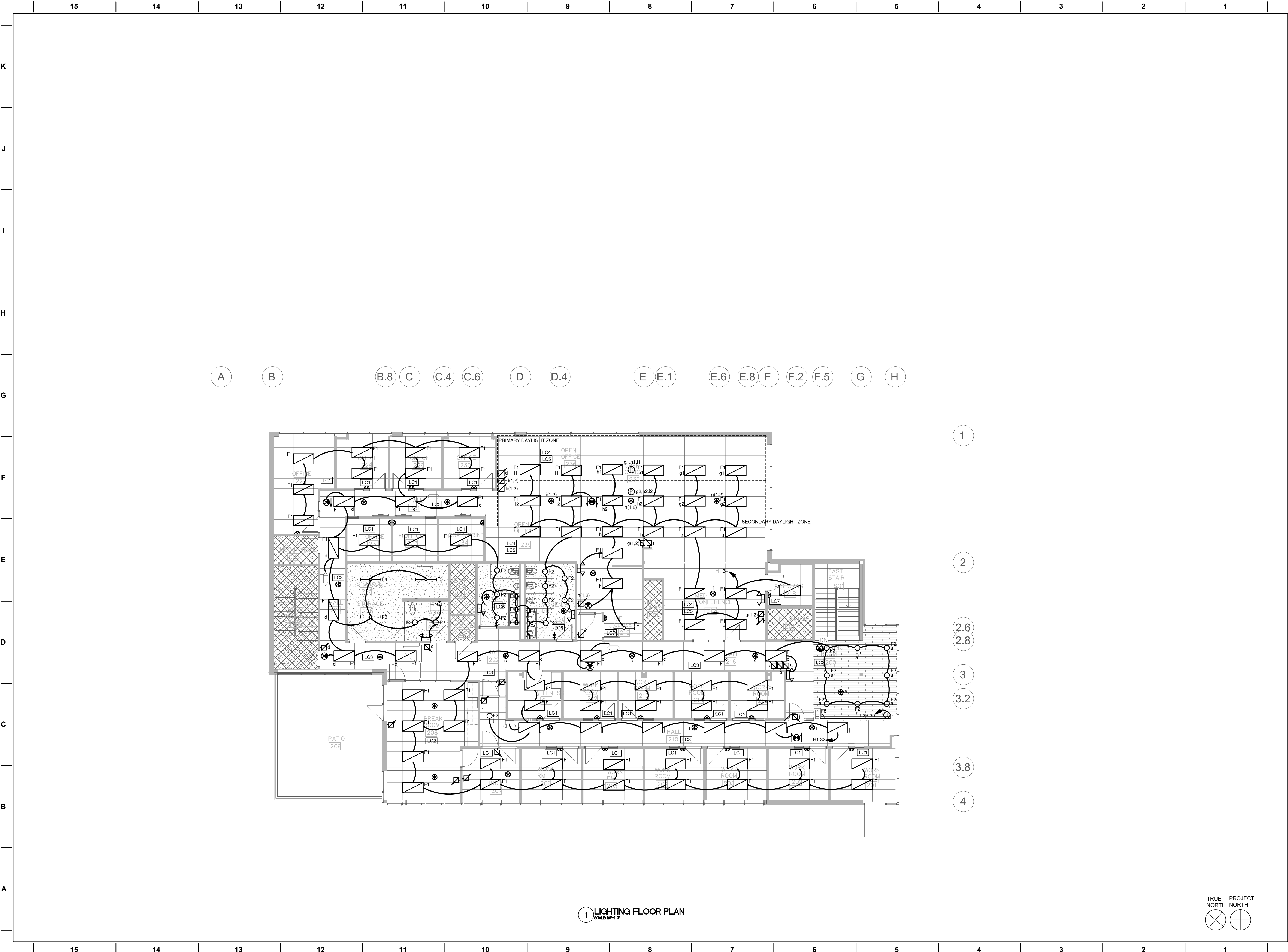
PROJECT NUMBER: 20XXX

SHEET TITLE:
ELECTRICAL DEMOLITION
FLOOR PLAN

SHEET NUMBER:

E1.01





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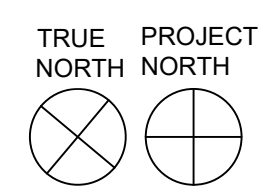
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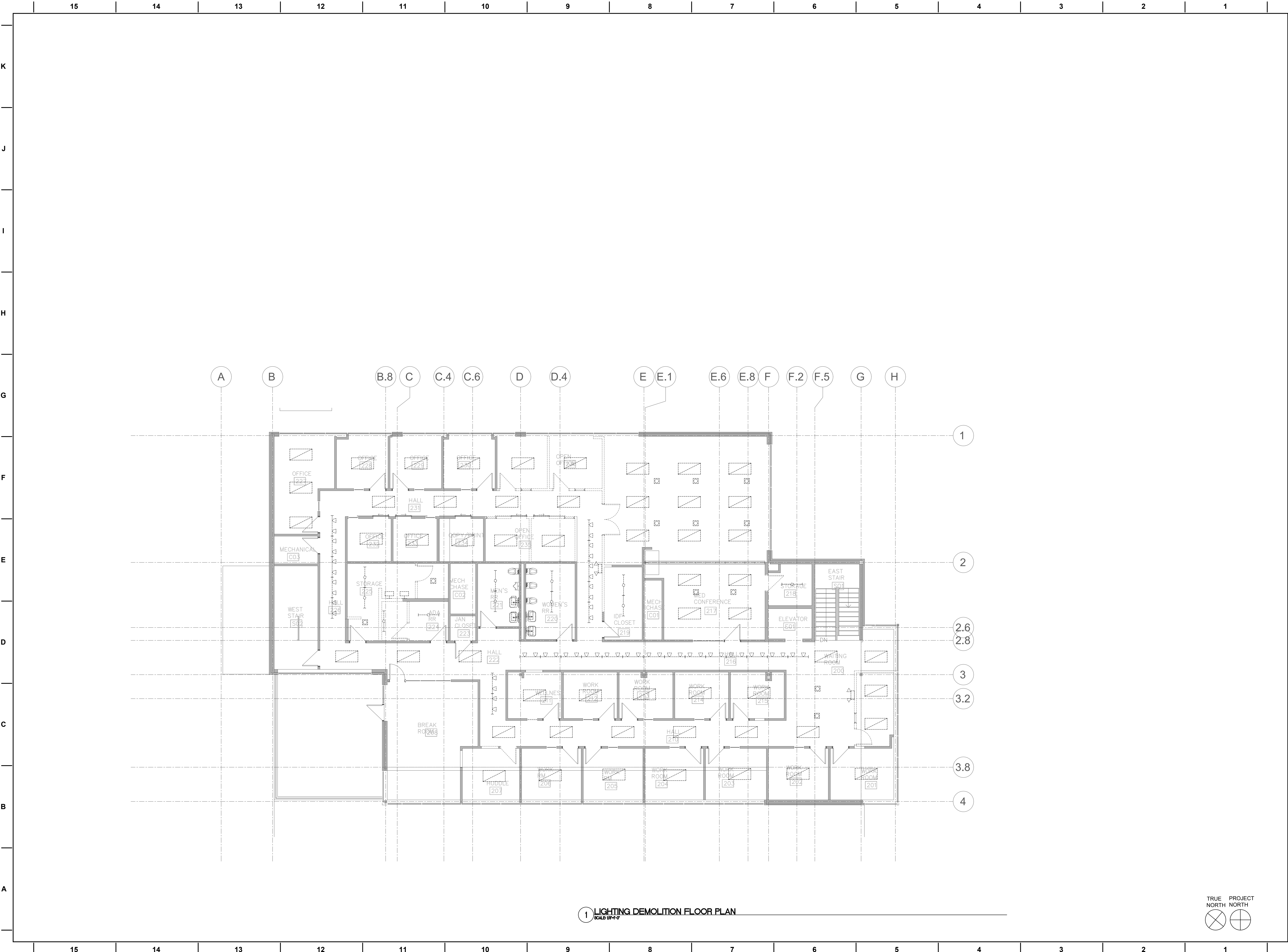
PROJECT NUMBER: 20XXX

SHEET TITLE:
LIGHTING FLOOR PLAN

SHEET NUMBER:

E2.00





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REVISION	DATE

PROJECT NUMBER: 20XXX

SHEET TITLE:
LIGHTING DEMOLITION
FLOOR PLAN

SHEET NUMBER:

E2.01

1 LIGHTING DEMOLITION FLOOR PLAN
SCALE 1/8"=1'-0"

