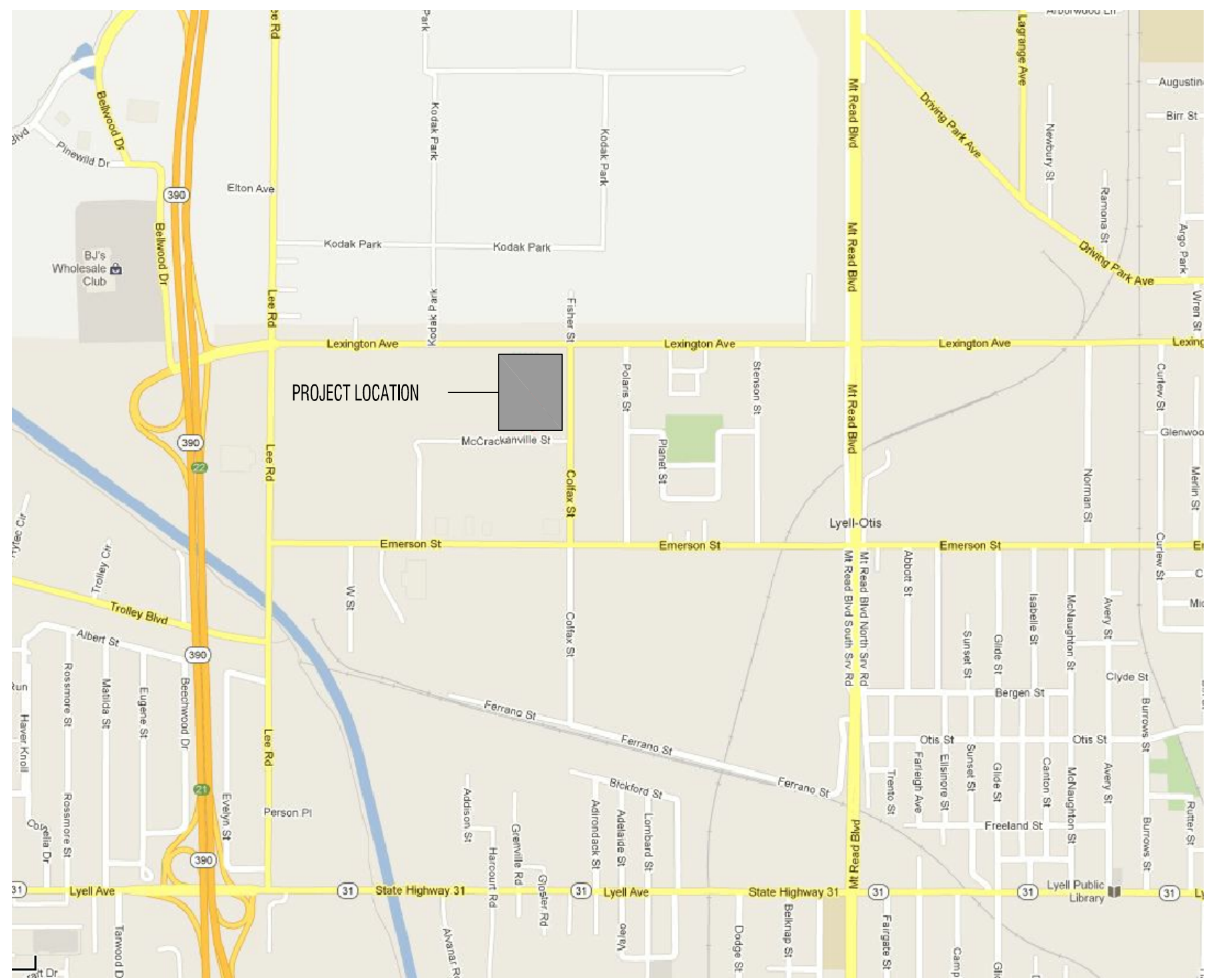
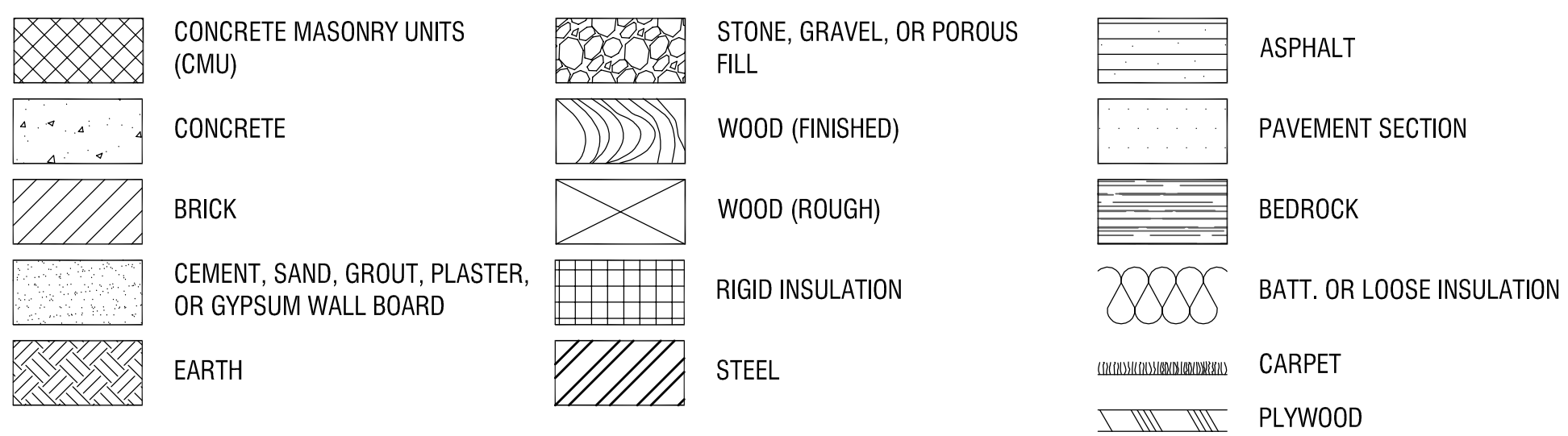


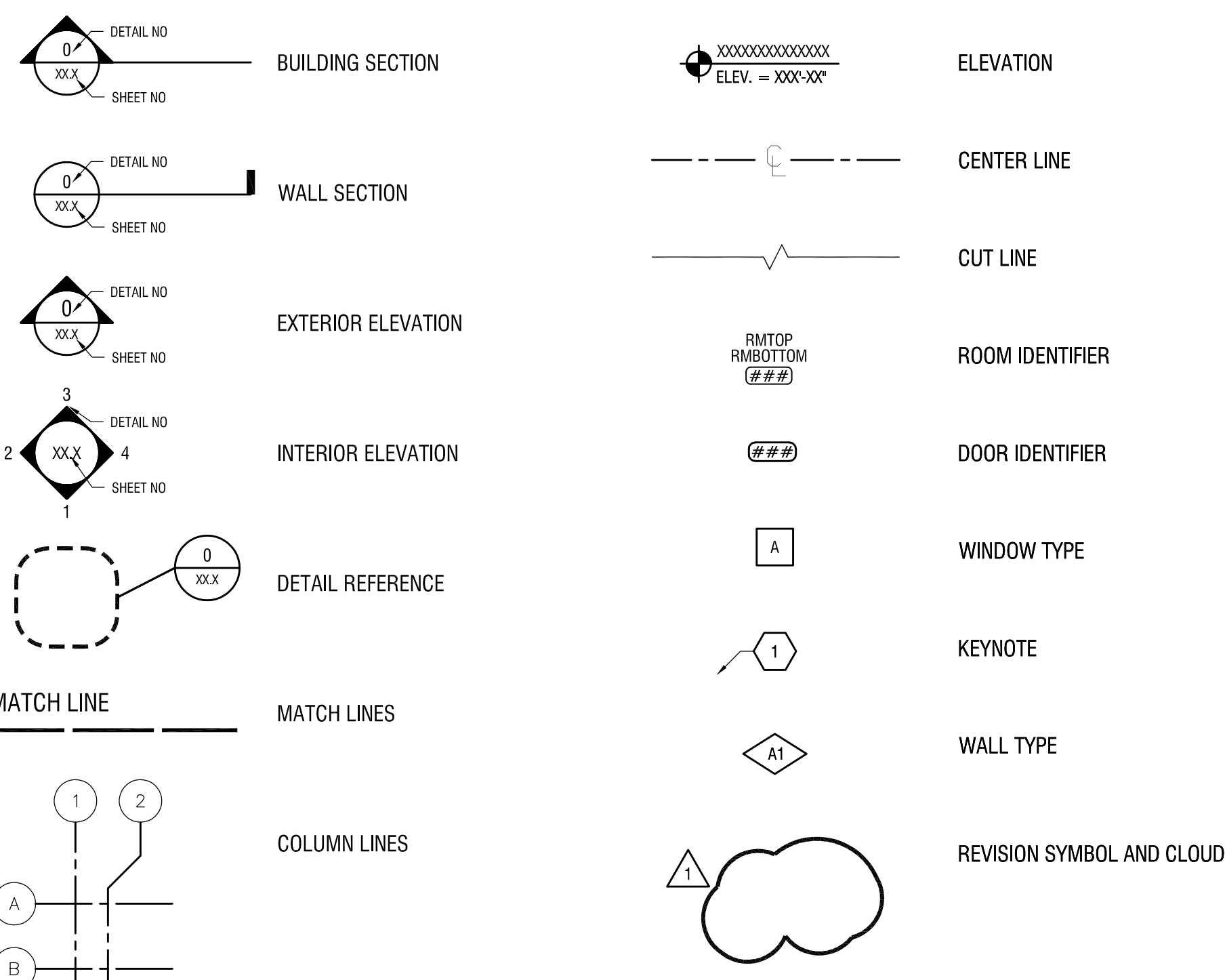
SITE MAP



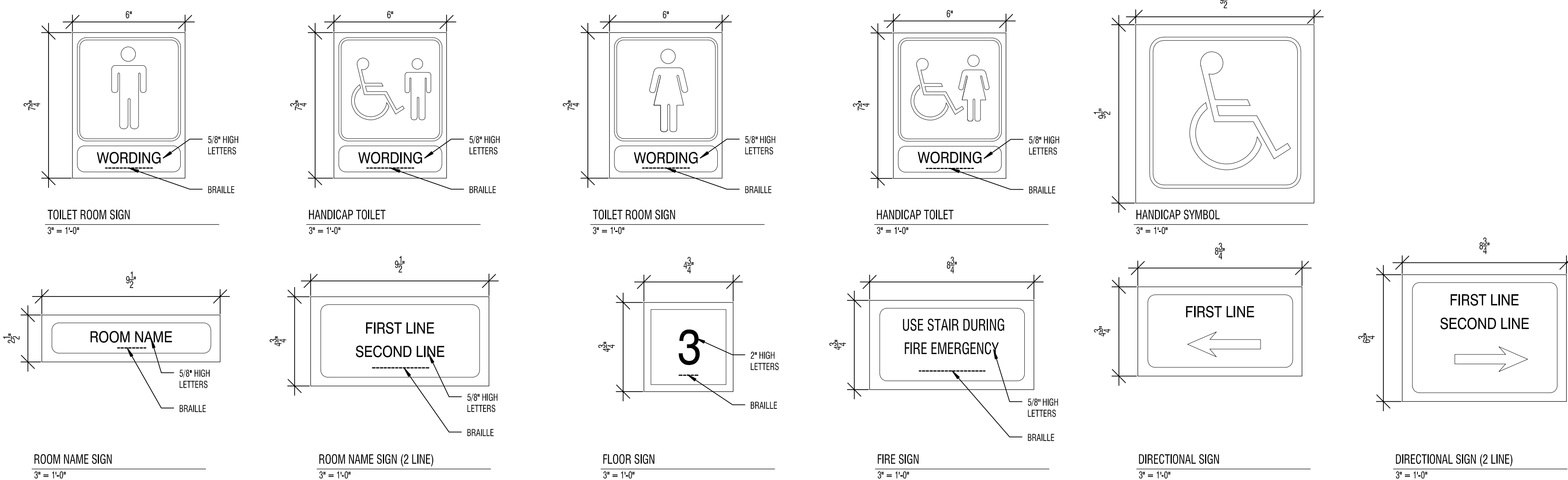
MATERIAL SYMBOLS



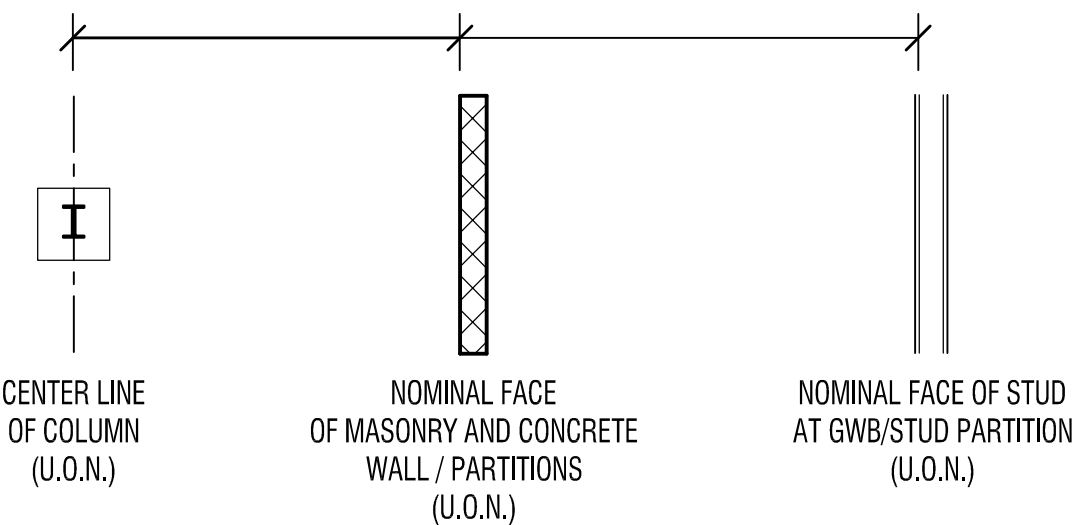
REFERENCE SYMBOLS



SIGNS



TYPICAL PLAN DIMENSIONING



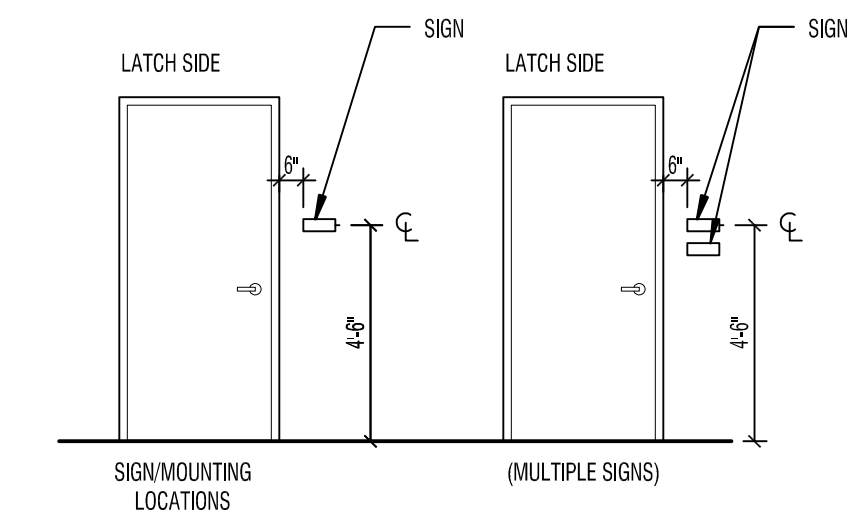
GENERAL NOTES

- CONSTRUCTION SHALL CONFORM TO THE "NEW YORK STATE UNIFORM FIRE PROTECTION AND BUILDING CODE", LATEST REVISION, THE NEW YORK STATE ENERGY CODE AND ANY OTHER CODES GOVERNED BY THE JURISDICTION IN WHICH THE PROJECT IS BEING CONSTRUCTED.
- CONSTRUCTION SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.
- ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTORS ARE RESPONSIBLE FOR ALL MATERIALS, CONSTRUCTION METHODS AND CRAFTSMANSHIP.
- CONTRACTORS ARE TO VERIFY ALL EXISTING CONDITIONS, REQUIREMENTS, NOTES, CODES AND DIMENSIONS, PRIOR TO THE START OF CONSTRUCTION AND SHALL NOTIFY THE ARCHITECT IF CONDITIONS VARY FROM THOSE SHOWN ON THE DOCUMENTS.
- CONTRACTORS ARE TO PROVIDE ADEQUATE SUPPORT OF EXISTING FOUNDATION WALLS, LOAD BEARING WALLS AND PARTITIONS DURING DEMOLITION AND CONSTRUCTION.
- THOROUGHLY COORDINATE WORK WITH OTHER TRADES AND DETERMINE THE EXACT ROUTE AND LOCATION OF UTILITIES, MATERIALS AND EQUIPMENT BEFORE FABRICATION AND INSTALLATION.
- WHEN EXISTING CONSTRUCTION IS REMOVED, DISTURBED, DAMAGED, REPLACED OR RENOVATED IN ANY WAY, CONTRACTORS SHALL PROVIDE PATCHING, PAINTING AND MATERIALS OF SAME TYPE AND QUALITY AS TO MATCH ADJACENT EXISTING SURFACES, UNLESS OTHERWISE NOTED.
- CONTRACTORS PROVIDE ALL BLOCKING, FURRING AND SHIMMING FOR INSTALLATION AND COMPLETION OF WORK.
- ALL NEW WORK SHALL BE PLUMB, LEVEL AND SQUARE. SCRIBE AND MAKE FIT ALL NEW TO EXISTING.
- CONTRACTORS VERIFY ALL DIMENSIONS BEFORE ORDERING MATERIAL OR DOING WORK. NO OTHER COMPENSATION OR CHARGES WILL BE ACCEPTED DUE TO DIFFERENCES BETWEEN THE ACTUAL MEASUREMENTS AND MEASUREMENTS INDICATED ON THE DRAWINGS.
- ITEMS NOTED AS "BY OWNER" ARE TO BE FURNISHED AND INSTALLED BY THE OWNER OR THE OWNER'S VENDOR.
- OWNER PROVIDED EQUIPMENT IS INDICATED FOR REFERENCE ONLY. VERIFY DIMENSIONS AND CLEARANCE REQUIREMENTS WITH ACTUAL EQUIPMENT PROVIDED.
- SECURITY, WEATHERPROOFING, DUST CONTROL AND SAFETY SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	FIN	FINISH (ED	PC	PLUMBING CONTRACTOR
AFF	ABOVE FINISH FLOOR	FL	FLOOR	PLAM	PLASTIC LAMINATE
AFG	ABOVE FINISH GRADE	FT	FOOT OR FEET	PT	PRESSURE TREATED
AHU	AIR HANDLING UNIT	GALV	GALVANIZED	PVC	POLYVINYL CHLORIDE
ALUM	ALUMINUM	GC	GENERAL CONTRACTOR	QTY	QUANTITY
ALT	ALTERNATE	GWB	GYPSPUM WALL BOARD	RD	ROOF DRAIN
APPROX	APPROXIMATE (LY)	HC	HEATING, VENTILATING AND AIR CONDITIONING CONTRACTOR	REF	REFERENCE
AVG	AVERAGE	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	RO	ROUGH OPENING
BLDG	BUILDING	HORIZ	HORIZONTAL	ROW	RIGHT OF WAY
BO	BOTTOM OF	ID	INSIDE DIAMETER	RTU	ROOF TOP UNIT
BUR	BUILT UP ROOF	IN	INCH	SG FT	SQUARE FOOT
CFM	CUBIC FEET PER MINUTE	INSUL	INSULATION	SG IN	SQUARE INCH
CFMF	COLD FORMED METAL FRAMING	INT	INTERIOR	SS	STAINLESS STEEL
CJ	CONTROL JOINT	LOC	LOCATION	STD	STANDARD
CLG	CEILING	MAX	MAXIMUM	TBD	TO BE DETERMINED
CLR	CLEAR	MFG	MANUFACTURER	TEMP	TEMPORARY
CIP	CAST IN PLACE	MECH	MECHANICAL	TO	TOP OF
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM	TYP	TYPICAL
COL	COLUMN	MISC	MISCELLANEOUS	UL	UNDERWRITER'S LABORATORY
CONC	CONCRETE	MO	MASONRY OPENING	UNO	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS	MTD	MOUNTED		
CU	CUBIC	MTG	MOUNTING	VIF	VERIFY IN FIELD
DEMO	DEMOLISH	NA	NOT APPLICABLE	VOL	VOLUME
DIA	DIAMETER	NIC	NOT IN CONTRACT	W/	WITH
DWG	DRAWING	NTS	NOT TO SCALE	W/O	WITHOUT
EC	ELECTRICAL CONTRACTOR	OC	ON CENTER		
ELEV	ELEVATION	OD	OUTSIDE DIAMETER		
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	OH	OVERHEAD		
ETR	ETHEL	OPP	OPPOSITE HAND		
EQ	EQUAL				
EXST	EXISTING				
EXT	EXTERIOR				

SIGN MOUNTING HEIGHTS



SIGN NOTES:

- SIGN SIZES ARE APPROXIMATE AND MAY VARY BY MANUFACTURER
- SIGN COLOR TO BE SELECTED BY ARCHITECT
- CENTER LINE OF SIGNAGE TO BE 54" A.F.F.

LIST OF DRAWINGS:

- GENERAL
 G000 COVER SHEET
 G001 PROJECT INFORMATION & DRAWING LIST
 G101 FIRST FLOOR CODE PLAN
 G102 SECOND FLOOR CODE PLAN
 G103 THIRD FLOOR CODE PLAN

- CIVIL
 G101 GENERAL NOTES & ABBREVIATIONS
 V001 EXISTING CONDITIONS PLAN
 L001 LOGISTICS PLAN
 C001 DEMOLITION PLAN
 C002 DEMOLITION PLAN
 C003 DEMOLITION PLAN
 C101 SITE MATERIALS, LAYOUT & PLANTING PLAN
 C102 SITE MATERIALS, LAYOUT & PLANTING PLAN
 C103 SITE MATERIALS, LAYOUT & PLANTING PLAN
 C201 GRADING PLAN
 C202 GRADING PLAN
 C203 GRADING PLAN
 C301 UTILITY PLAN
 C302 UTILITY PLAN
 C601 DETAILS
 C602 DETAILS
 C603 DETAILS
 C604 DETAILS
 C605 DETAILS

- STRUCTURAL
 S001 GENERAL STRUCTURAL NOTES & DESIGN CRITERIA
 S101 EAST ELEVATION RETAINING WALL REPAIRS
 S102 EAST ELEVATION RETAINING WALL REPAIRS
 S103 NORTH ELEVATION RETAINING WALL REPAIRS
 S104 NORTH ELEVATION RETAINING WALL REPAIRS
 S201 CHILLER SUPPORT DEMOLITION AND FRAMING PLANS
 S501 RETAINING WALL REPAIR DETAILS

ARCHITECTURAL

- A033 PARTIAL BASEMENT DEMOLITION PLAN - AREA F
 A034 PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA B
 A035 PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA C
 A036 PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA D
 A037 PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA E
 A038 PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA F
 A039 PARTIAL FIRST FLOOR DEMOLITION PLAN - AREA G & H
 A040 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA A
 A041 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA C
 A042 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA D
 A043 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA E
 A044 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA F
 A045 PARTIAL SECOND FLOOR DEMOLITION PLAN - AREA G
 A046 PARTIAL THIRD FLOOR DEMOLITION PLAN - AREA A
 A047 PARTIAL THIRD FLOOR DEMOLITION PLAN - AREA C
 A103 ENLARGED ROOF PLAN
 A133 PARTIAL BASEMENT PLAN - AREA F
 A134 PARTIAL FIRST FLOOR PLAN - AREA B
 A135 PARTIAL FIRST FLOOR PLAN - AREA C
 A136 PARTIAL FIRST FLOOR PLAN - AREA D
 A137 PARTIAL FIRST FLOOR PLAN - AREA E
 A138 PARTIAL FIRST FLOOR PLAN - AREA F
 A139 PARTIAL FIRST FLOOR PLAN - AREA G & H
 A140 PARTIAL SECOND FLOOR PLAN - AREA C
 A141 PARTIAL SECOND FLOOR PLAN - AREA D
 A142 PARTIAL SECOND FLOOR PLAN - AREA E
 A143 PARTIAL SECOND FLOOR PLAN - AREA F
 A144 PARTIAL SECOND FLOOR PLAN - AREA G
 A145 PARTIAL THIRD FLOOR PLAN - AREA A
 A146 PARTIAL THIRD FLOOR PLAN - AREA C
 (A215 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA B
 A301 EXTERIOR ELEVATIONS
 A302 EXTERIOR ELEVATIONS
 A404 ENLARGED DEMOLITION FLOOR PLANS
 A405 ENLARGED TOILET ROOM PLANS
 A406 ENLARGED TOILET ROOM PLAN RCP
 A501 ROOF REPLACEMENT DETAILS
 A502 ROOF RESTORATION DETAILS
 A503 ROOF DETAILS
 A612 DOOR/FRAME TYPES AND DOOR SCHEDULE
 A613 WINDOW ELEVATIONS
 A614 WINDOW DETAILS

MECHANICAL

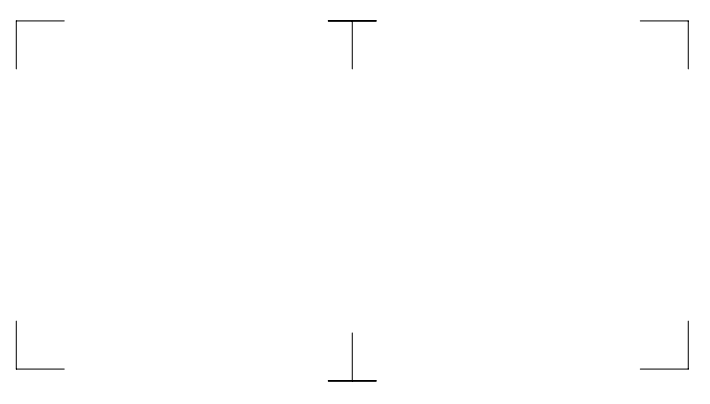
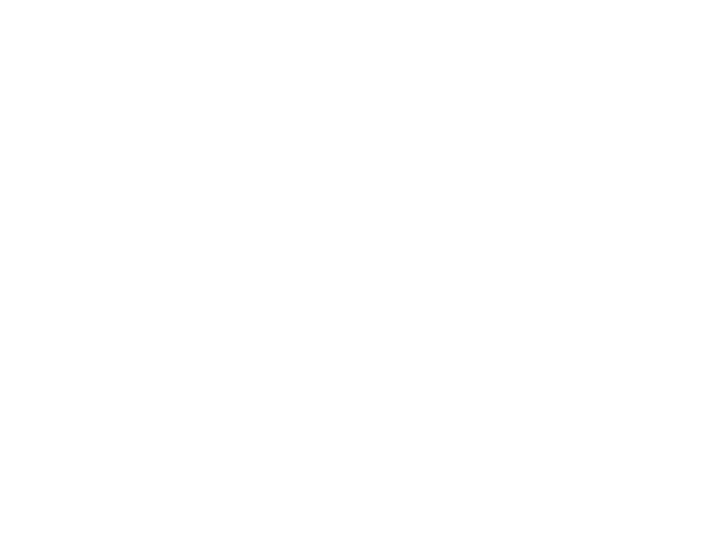
- M000 MECHANICAL NOTES, LEGENDS, AND DETAILS
 M001 BASEMENT DEMOLITION PLAN - AREA B, D, & E
 M002 BASEMENT DEMOLITION PLAN - AREA G & H
 M003 FIRST FLOOR DEMOLITION PLAN
 M004 SECOND FLOOR DEMOLITION PLAN
 M005 THIRD FLOOR DEMOLITION PLAN
 M006 PENTHOUSE 1 AND 2 DEMOLITION PLAN
 M007 ENLARGED DEMOLITION PLANS
 M101 BASEMENT NEW WORK PLAN - AREA B, D, & E
 M102 BASEMENT NEW WORK PLAN - AREA G & H
 M103 FIRST FLOOR NEW WORK PLAN
 M104 SECOND FLOOR NEW WORK PLAN
 M105 THIRD FLOOR NEW WORK PLAN
 M106 PENTHOUSE 1 AND 2 NEW WORK PLAN
 M401 MECHANICAL ENLARGED PLANS
 M501 CHILLED WATER PLANT SCHEMATIC - DEMOLITION
 M502 CHILLED WATER PLANT SCHEMATIC - NEW WORK
 M601 MECHANICAL DETAILS
 M602 MECHANICAL DETAILS
 M701 MECHANICAL SCHEDULES
 M901 CONTROLS SCHEMATICS - CHILLER PLANT
 M902 CONTROLS SCHEMATICS - AHU-1-6, AHU-1E5, AHU-5-31

PLUMBING

- P000 PLUMBING NOTES, LEGENDS, AND SCHEDULES
 P401 ENLARGED DEMOLITION PLANS
 P402 ENLARGED NEW PLANS

ELECTRICAL

- E000 ELECTRICAL NOTES, SYMBOLS, & ABBREVIATIONS
 E001 ELECTRICAL SITE PLAN DEMO
 E002 ELECTRICAL SITE PLAN
 E012 ROOF ELECTRICAL DEMOLITION PLAN - LIGHTNING PROTECTION AREA D, E, F, G, & H
 E013 ROOF SPECIAL SYSTEMS PLAN - AREAS D, E, F, G, & H
 E101 MECHANICAL ROOM ELECTRICAL DEMOLITION PLAN
 E102 BASEMENT ELECTRICAL DEMOLITION PLAN - AREAS G & H
 E103 ROOF AND PENTHOUSE 1 ELECTRICAL DEMOLITION PLAN
 E104 PENTHOUSE 3 AND 5 ELECTRICAL DEMOLITION PLAN
 E201 MECHANICAL ROOM ELECTRICAL PLAN
 E202 FIRST FLOOR ELECTRICAL SPECIAL SYSTEMS PLAN - AREAS A, B, C, D, & E
 E203 FIRST FLOOR ELECTRICAL SPECIAL SYSTEMS PLAN - AREAS F, G, & H
 E204 BASEMENT ELECTRICAL PLAN - AREA G/H
 E205 ROOF AND PENTHOUSE 1 ELECTRICAL PLAN
 E302B SECOND FLOOR LIGHTING PLAN
 E401 ENLARGED ELECTRICAL PLANS 1ST AND 2ND FLOOR



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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**ROCHESTER SCHOOLS
 MODERNIZATION PROGRAM**

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 ROCHESTER, NY 14621

EDISON TECHNICAL SCHOOL

655 COLFAX STREET
 ROCHESTER, NY 14606

SED NO. 26-16-00-01-0-111-032
 DWT NO. 26-16-00-01-7-999-020

NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

DRAWN BY: CRG
 REVIEWED BY: MES
 ISSUED FOR: BID DOCUMENTS

DATE: JUNE 26, 2019
 DRAWING NAME:

PROJECT INFORMATION

DRAWING NUMBER:

GENERAL STRUCTURAL NOTES

- GENERAL**
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF ALL BUILDING CODES, ORDINANCES, AND REGULATIONS, THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NATIONAL ELECTRIC CODE (NEC), INCLUDING BUT NOT LIMITED TO THE STANDARDS AND SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI), AMERICANS WITH DISABILITIES ACT (ADA), AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE), AMERICAN WELDING SOCIETY (AWS), AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM), SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA), AND NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA). IN CASE OF CONFLICT, THE MOST STRINGENT SHALL GOVERN.
 - TEMPORARY FACILITIES AND CONTROLS, INCLUDING TEMPORARY UTILITIES, SUPPORT FACILITIES, SECURITY AND PROTECTION FACILITIES SHALL BE PROVIDED AS REQUIRED FOR THE PROJECT TO PROGRESS IN A LOGICAL AND SAFE MANNER. MAINTAIN TEMPORARY FACILITIES AND CONTROLS UNTIL FACILITIES ARE NO LONGER NEEDED OR ARE REPLACED BY AUTHORIZED USE OF COMPLETED PERMANENT FACILITIES. COORDINATE THE REMOVAL OF TEMPORARY FACILITIES WITH THE OWNER'S REPRESENTATIVE.
 - SCHEDULE AND COORDINATE ALL CONSTRUCTION ACTIVITIES SO THAT WORK IS COMPLETED IN A TIMELY FASHION AND FINISHED ON OR BEFORE THE PROJECT COMPLETION DATE SET BY THE CONTRACT.
 - PHASE AND PERFORM THE WORK AS REQUIRED TO MAINTAIN OPERATION OF THE FACILITY. COORDINATE ALL REQUIRED CLOSURES WITH THE OWNER'S REPRESENTATIVE. PROVIDE AND MAINTAIN ADEQUATE PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AT ALL TIMES.
 - FIELD VERIFY ALL DIMENSIONS AND EXISTING SURFACE AND SUBSURFACE CONDITIONS, FEATURES, UTILITIES, AND ELEVATIONS AT THE SITE PRIOR TO FABRICATION OF ANY COMPONENT OR SYSTEM AND COMMENCING CONSTRUCTION. PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES, QUESTIONS OF INTENT OR CLARITY IN THE DOCUMENTS.
 - DO NOT SCALE THE DRAWINGS. NOTIFY THE OWNER'S REPRESENTATIVE IF ADDITIONAL DIMENSIONING IS REQUIRED, UNLESS INDICATED OTHERWISE. DIMENSIONS ARE ACTUAL.
 - ALL DIMENSIONS ARE TAKEN FROM THE FINISHED/EXTERIOR FACE OF CONSTRUCTION UNLESS NOTED OTHERWISE.
 - PROVIDE PRODUCTS AND MATERIALS INDICATED GRAPHICALLY AND NOTED. SUBMIT DOCUMENTATION (4 COPIES) THAT ALL PROPOSED PRODUCTS AND MATERIALS CONFORM TO THE SPECIFIED REQUIREMENTS. THIS INCLUDES BUT IS NOT LIMITED TO MANUFACTURER'S PRODUCT DATA, COLOR CHARTS, AND ACTUAL SAMPLES FOR VERIFICATION BY THE OWNER'S REPRESENTATIVE. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES IN IDENTIFICATION OF REQUIRED PRODUCTS AND MATERIALS.
 - WORK SHALL BE EXECUTED BY PERSONS EXPERIENCED IN THE TRADE THEY ARE PERFORMING. PRODUCTS SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS, SPECIFICATIONS, AND ACCEPTABLE TRADE INDUSTRY STANDARDS.
 - INSTALL ALL MATERIALS ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, AND TO ACCEPTABLE PROFESSIONAL TRADE INDUSTRY STANDARDS FOR FIRST CLASS WORK OF SIMILAR NATURE AND CHARACTER.
 - CONTINUOUSLY MAINTAIN THE WORK AREA IN A CLEAN AND SAFE CONDITION. WORK AREAS SHALL BE MADE WATERTIGHT AT THE END OF EACH WORK DAY AND AS NECESSARY IN THE EVENT OF RAIN.
 - PROTECT EXISTING FINISHES, EQUIPMENT, ETC. FROM DAMAGE DURING THE WORK. REPAIR EXISTING CONSTRUCTION AND FINISHES DISTURBED BY CONSTRUCTION ACTIVITY TO MATCH EXISTING ADJACENT CONDITIONS.
 - FIRE-SEAL PENETRATIONS THROUGH ALL VERTICAL AND HORIZONTAL ASSEMBLIES, INCLUDING BUT NOT LIMITED TO WALLS, FLOORS, AND ROOFS IN ACCORDANCE WITH THE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE. RESTORE DAMAGED ASSEMBLIES AND ELEMENTS AT ALL PENETRATIONS AND OPENINGS TO MATCH EXISTING CONDITIONS. MAINTAIN THE FIRE RATING OF ALL EXISTING CONSTRUCTION. ACCEPTABLE PRODUCTS INCLUDE THOSE MANUFACTURED BY TREMCO, DOW CORNING, HILTI, OR 3M.
 - EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING ELECTRICAL AND COMMUNICATION CABLES AND FIRE SUPPRESSION SYSTEMS.
- CONCRETE REPAIR**
- REPAIR QUANTITIES INDICATED ON THE DRAWINGS ARE ESTIMATED; ACTUAL QUANTITIES MAY VARY. PERFORM A PRE-CONSTRUCTION SURVEY WITH THE OWNER'S REPRESENTATIVE TO VERIFY LOCATION, TYPE, AND EXTENT OF DETERIORATION AND REQUIRED REPAIRS.
 - REPAIRS INDICATED ON THE DRAWINGS ARE SUBJECT TO MODIFICATION AS DETERMINED BY THE PRE-CONSTRUCTION SURVEY. CONDITIONS THAT MAY BE DISCOVERED AS THE WORK PROGRESSES, AND AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
 - MODIFICATIONS TO AND/OR THE USE OF ALTERNATE REPAIR MATERIALS AND/OR PROCEDURES MAY BE PERMITTED SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE.
 - PRIOR TO COMMENCING CONCRETE REPAIRS, PREPARE AND SUBMIT COORDINATION DRAWINGS THAT IDENTIFY ALL PROPOSED CONCRETE REPAIRS INCLUDING LOCATION, TYPE, AND QUANTITIES TO THE OWNER'S REPRESENTATIVE FOR REVIEW.
 - MAINTAIN A SET OF WORKING DRAWINGS THROUGHOUT THE COURSE OF THE PROJECT THAT DOCUMENT ALL COMPLETED REPAIRS AND MODIFICATIONS TO THE CONSTRUCTION DRAWINGS. PREPARE AND SUBMIT FINAL "AS-BUILT" RECORD DRAWINGS TO THE OWNER'S REPRESENTATIVE.
 - ALL CONCRETE REPAIRS SHALL BE PERFORMED IN A NEAT MANNER IN ACCORDANCE WITH ACI, ASTM, ICRI, AND PROFESSIONAL TRADE INDUSTRY STANDARDS FOR FIRST CLASS WORK OF SIMILAR NATURE AND CHARACTER.
 - REPAIR AREAS SHALL BE NEATLY CUT IN SQUARE OR RECTANGULAR SHAPES AROUND THE PERIMETER USING "PLUNGE-TYPE" SAWCUTS.
 - CONCRETE REMOVALS SHALL EXTEND A MINIMUM OF 2" BEYOND THE LIMITS OF OBSERVED CONCRETE DETERIORATION, AND 1" BEYOND EXISTING REINFORCING STEEL INTO STABLE SUBSTRATE FREE FROM SPALLS, LOOSE AND DELETERIOUS MATERIALS.
 - PROTECT EXISTING EMBEDDED REINFORCING STEEL. REPAIR OR REPLACE ALL REINFORCING STEEL DAMAGED DURING CONSTRUCTION TO MAINTAIN THE ORIGINAL DESIGN STRENGTH/CAPACITY.
 - PROVIDE ADDITIONAL REINFORCING STEEL MATCHING THE SIZE, TYPE, SPACING OF EXISTING REINFORCEMENT WHERE EXISTING REINFORCING STEEL IS DAMAGED OR MISSING. BARS SHALL BE OF SUFFICIENT LENGTH TO PROVIDE CONTACT LAP SPLICES NO LESS THAN 40 BAR DIAMETERS AT EACH END.
 - PROVIDE ADDITIONAL REINFORCING STEEL MATCHING THE SIZE, TYPE, SPACING OF EXISTING REINFORCEMENT WHERE CORROSION OF EXISTING REINFORCING STEEL HAS RESULTED IN SECTION LOSS GREATER THAN OR EQUAL TO 25-PERCENT OF THE ORIGINAL BAR. BARS SHALL BE OF SUFFICIENT LENGTH TO PROVIDE CONTACT LAP SPLICES NO LESS THAN 40 BAR DIAMETERS AT EACH END.
 - CONCRETE REPAIR MATERIALS SHALL BE DELIVERED, STORED, MIXED, APPLIED, FINISHED, AND CURED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. PROVIDE ALL ACCESSORY PRODUCTS AND MATERIALS RECOMMENDED BY THE MANUFACTURER FOR A COMPLETE REPAIR.
 - DESIGN, FABRICATE, AND INSTALL ALL FORMWORK, ACCESS PORTS, BRACING AND TEMPORARY SHORING AS REQUIRED TO SUPPORT AND COMPLETE THE REPAIRS. INCLUDE PROVISIONS TO ACCOMMODATE PROPOSED REPAIR PROCEDURES AND METHODS. NET HEIGHT OF REPAIR MATERIALS, SUPPORTING FRAMEWORK, EXISTING CONSTRUCTION, WORKER ACCESS AND SUPPORT, AND OTHER REQUIREMENTS.
 - WHERE TEMPORARY SHORING IS REQUIRED TO PERFORM THE WORK, PREPARE AND SUBMIT DETAILED SHORING DESIGN CALCULATIONS AND DRAWINGS TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK. DOCUMENTS SHALL BEAR THE SEAL AND SIGNATURE OF THE NEW YORK STATE LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
- MISCELLANEOUS**
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB. REPORT DISCREPANCIES TO THE ARCHITECT IMMEDIATELY. VERIFICATION OF EXISTING DIMENSIONS AND CONDITIONS SHALL BE DONE PRIOR TO THE PREPARATION OF SHOP DRAWINGS.
 - REFER TO THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR VERIFICATION OF LOCATIONS AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, REVEALS, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS.
 - TYPICAL DETAILS SHALL APPLY TO ALL DRAWINGS AND SHALL BE USED EXCEPT WHERE OTHERWISE SHOWN OR NOTED.
 - WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE CODE OF NEW YORK STATE, THE AISC CODE, THE ACI BUILDING CODE, THE AMERICAN WELDING SOCIETY CODE AND ALL APPLICABLE ASTM STANDARDS. IN CASES OF CONFLICT, THE MOST STRINGENT SHALL GOVERN.
 - REPRODUCTION OF ARCHITECT'S DRAWINGS SHALL NOT BE USED AS SHOP DRAWINGS OR ERECTION DRAWINGS.
 - THIS PROJECT REQUIRES STRUCTURAL TESTS AND SPECIAL INSPECTIONS IN ACCORDANCE WITH THE 2017 UNIFORM CODE SUPPLEMENT OF NEW YORK STATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE STATEMENT OF SPECIAL INSPECTIONS, SUBMIT ALL REQUIRED DOCUMENTATION, AND ALLOW THE OWNER'S TESTING AND INSPECTION AGENCY ACCESS TO PERFORM ALL REQUIRED TESTS AND INSPECTIONS. AS PART OF THIS PROGRAM, THE CONTRACTOR SHALL ALSO SUBMIT A COPY OF THEIR QUALITY CONTROL PROCEDURES AND CONTACT INFORMATION FOR ALL PERSONNEL RESPONSIBLE FOR EXECUTION OF THE SAME.

- STRUCTURAL STEEL**
- STRUCTURAL STEEL SHALL BE NEW STEEL CONFORMING TO THE FOLLOWING REQUIREMENTS:

A. W-SHAPES	ASTM A992
B. CHANNELS	ASTM A36
C. ANGLES	ASTM A36
D. MISC. SHAPES, PLATES, & BARS	ASTM A36
 - HIGH STRENGTH BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325 OR A490 (3/4" MINIMUM DIAMETER).
 - ALL WELD MATERIAL SHALL BE TO KSI.
 - WELDING WORK SHALL BE PERFORMED BY CERTIFIED WELDERS, SUBMIT DOCUMENTATION.
 - BEAM-TO-BEAM AND BEAM-TO-COLUMN CONNECTIONS SHALL BE SIMPLE SHEAR CONNECTIONS CAPABLE OF END ROTATIONS PER AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS" SECTION J1.2 - SIMPLE CONNECTIONS UNLESS NOTED OTHERWISE. CONNECTIONS SHALL UTILIZE HIGH STRENGTH BOLTS IN SNUG-TIGHT BEARING CONNECTIONS UNLESS OTHERWISE NOTED. WITH THE THREADS EXCLUDED FROM THE SHEAR PLANE. DESIGN ALL CONNECTIONS FOR THE FOLLOWING MINIMUM REACTIONS, UNLESS NOTED OTHERWISE:

W27 - 85 KIPS	W18 - 60 KIPS	W12 - 30 KIPS
W24 - 85 KIPS	W16 - 45 KIPS	W10 - 15 KIPS
W21 - 75 KIPS	W14 - 45 KIPS	W8 - 12 KIPS
 - THE MINIMUM SIZE OF FILLET WELDS SHALL BE AS REQUIRED BY THE AISC SPECIFICATION SECTION J2 - WELDS, BUT SHALL NOT BE LESS THAN 1/4" UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
 - CONNECTION TO THE EXISTING STRUCTURE SHALL BE AS DETAILED ON THE DRAWINGS OR AS APPROVED BY THE ARCHITECT. THE CONTRACTOR SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS OF COORDINATE DETAILS WITH AND FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE PREPARATION OF SHOP DRAWINGS.
 - TEMPORARY ERECTION BRACING SHALL BE PROVIDED AS REQUIRED TO HOLD STRUCTURAL STEEL SECURELY IN POSITION. IT SHALL NOT BE REMOVED UNTIL PERMANENT BRACING HAS BEEN INSTALLED. THE BUILDING SHALL BE TRUE AND PLUMB BEFORE CONNECTIONS MAY BE FINALLY BOLTED OR WELDED.
 - NOTE SPECIFICATION REQUIREMENTS FOR SPECIAL INSPECTION OF STRUCTURAL STEEL WORK.
 - WHERE NO CAMBER IS INDICATED, BEAMS SHALL BE FABRICATED WITH NATURAL CAMBER UPWARD.

STRUCTURAL DESIGN LOADS AND PARAMETERS

IBC SECTION 1603: CONSTRUCTION DOCUMENTS

2015 INTERNATIONAL BUILDING CODE WITH 2017 NEW YORK STATE SUPPLEMENT

- GOVERNING BUILDING CODE**
- BUILDING OCCUPANCY CATEGORY** III
- DESIGN SOIL BEARING CAPACITY** 8000 PSF (ROCK - BASED ON ORIGINAL CONSTRUCTION DRAWINGS)
- ROOF LIVE LOAD**
- ROOM CONSTRUCTION LOAD** 20 PSF
- SNOW LOAD**
- SNOW LOAD IMPORTANCE FACTOR, I 1.10
- GROUND SNOW LOAD, P_g 40 PSF
- FLAT ROOF SNOW LOAD, P_f 30.5 PSF
- SNOW EXPOSURE FACTOR, C_e 1.00
- THERMAL FACTOR, C_t 1.00
- SNOW DRIFTING - MAXIMUM LOADS (PER ASCE 7-10)
- WIND LOAD - MAIN WIND FORCE RESISTING SYSTEM**
- BASIC WIND SPEED, V 120 MPH
- WIND EXPOSURE C 1.00
- VELOCITY PRESSURE EXPOSURE COEFFICIENT, K_z 1.00
- TOPOGRAPHIC FACTOR, K_t 1.00
- WIND DIRECTIONALITY FACTOR, K_d 0.85
- WIND LOAD - COMPONENTS AND CLADDING**
- REFER TO COMPONENTS AND CLADDING TABLE BELOW FOR EFFECTIVE WIND AREAS BETWEEN THOSE SPECIFICALLY LISTED. DESIGN WIND LOADS SHALL BE INTERPOLATED.
- NOTES:**
- POSITIVE AND NEGATIVE NUMBERS INDICATE FORCES/PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES RESPECTIVELY.
 - END ZONES EXTEND FROM BUILDING CORNERS A DISTANCE EQUAL TO 10% OF THE LEAST HORIZONTAL DIMENSION BUT NOT LESS THAN 3 FEET.

- SEISMIC LOAD**
- SEISMIC IMPORTANCE FACTOR, I_s 1.25
- SITE SOIL CLASSIFICATION D (ASSUMED)
- MAPPED SHORT PERIOD SPECTRAL ACCELERATION, S_s 0.165 g
- MAPPED ONE SECOND PERIOD SPECTRAL ACCELERATION, S₁ 0.060 g
- SHORT PERIOD SPECTRAL DESIGN ACCELERATION, S_{DS} 0.176 g
- ONE SECOND PERIOD SPECTRAL DESIGN ACCELERATION, S_{1D} 0.096 g
- SEISMIC DESIGN CATEGORY B

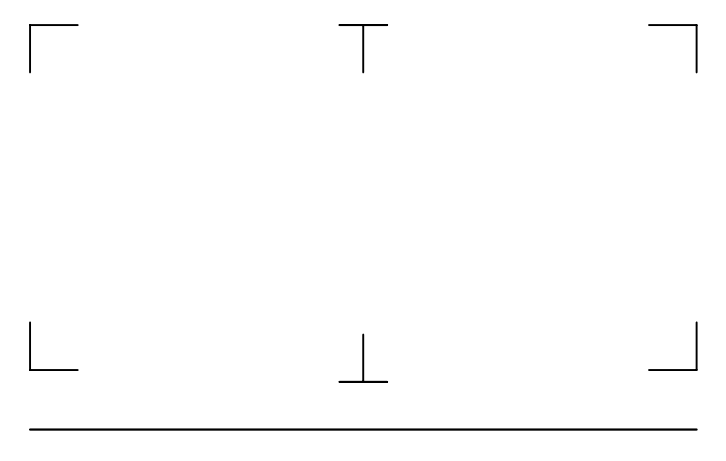
- ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS REQUIRING SEISMIC BRACING**
- ARCHITECTURAL COMPONENTS**
- IMPORTANCE FACTOR, I_p = 1.0 EXEMPT
- IMPORTANCE FACTOR, I_p = 1.5 EXEMPT
- M/E/F/P COMPONENTS
- IMPORTANCE FACTOR, I_p = 1.0 EXEMPT
- IMPORTANCE FACTOR, I_p = 1.5 EXEMPT

ABBREVIATIONS

- | | |
|-----------|-------------------------|
| AFB | ABOVE FINISH FLOOR |
| ARCH. | ARCHITECTURAL |
| B/ | BEARING |
| BRG. | BOTTOM OF |
| C.L. | CLEAR |
| C.J. | CONSTRUCTION JOINT |
| CONC. | CONCRETE |
| CONT. | CONTINUOUS |
| CMU | CONCRETE MASONRY UNIT |
| DN. | DIAMETER |
| DN | DOWN |
| DWG. | DRAWING |
| ELEC. | ELECTRICAL |
| ELEV. | ELEVATION |
| EQ. | EQUAL |
| EA. | EACH |
| E.W. | EACH WAY |
| E.J. | EXPANSION JOINT |
| E.J.D. | EXPANSION JOINT W/DOWEL |
| ELEV. | ELEVATION |
| EXIST. | EXISTING |
| EXP. | EXPANSION |
| FIN. FLR. | FINISH FLOOR |
| FT. | FOOT |
| FND. | FOUNDATION |
| GA. | GAUGE |
| GALV. | GALVANIZED |
| HORIZ. | HORIZONTAL |
| H.D. | HOT DIP |
| I.D. | INSIDE DIAMETER |
| LF | LINEAR FEET |
| LLV | LONG LEG VERTICAL |
| M.E. | MATCH EXISTING |
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MIN. | MINIMUM |
| NOM. | NOMINAL |
| N.T.S. | NOT TO SCALE |
| O.D. | OUTSIDE DIAMETER |
| O.C. | ON CENTER |
| R | RADIUS |
| REF. | REFERENCE |
| REINF. | REINFORCEMENT |
| S.J. | SAWCUT JOINT |
| SCH. | SCHEDULE |
| SIM. | SIMILAR |
| SF | SQUARE FEET |
| ST. | STAINLESS |
| STD. | STANDARD |
| STL. | STEEL |
| THK. | THICK |
| T.J. | TOOLED JOINT |
| T/ | TOP OF |
| TYP. | TYPICAL |
| VERT. | VERTICAL |
| V.I.F. | VERIFY IN FIELD |
| WT | WEIGHT |
| WWF | WELDED WIRE FABRIC |
| W/ | WITH |
| WF | WIDE FLANGE |



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1776 N. CLINTON AVE
ROCHESTER, NY 14621

EDISON TECHNICAL SCHOOL

655 COLFAX STREET
ROCHESTER, NY 14606

SED NO. 26-16-00-01-0-111-032
DWT NO. 26-16-00-01-7-999-020

NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

DRAWN BY: ERL
REVIEWED BY: JMF

ISSUED FOR: BID DOCUMENTS

DATE: JUNE 26, 2019

DRAWING NAME:

GENERAL STRUCTURAL NOTES & DESIGN CRITERIA

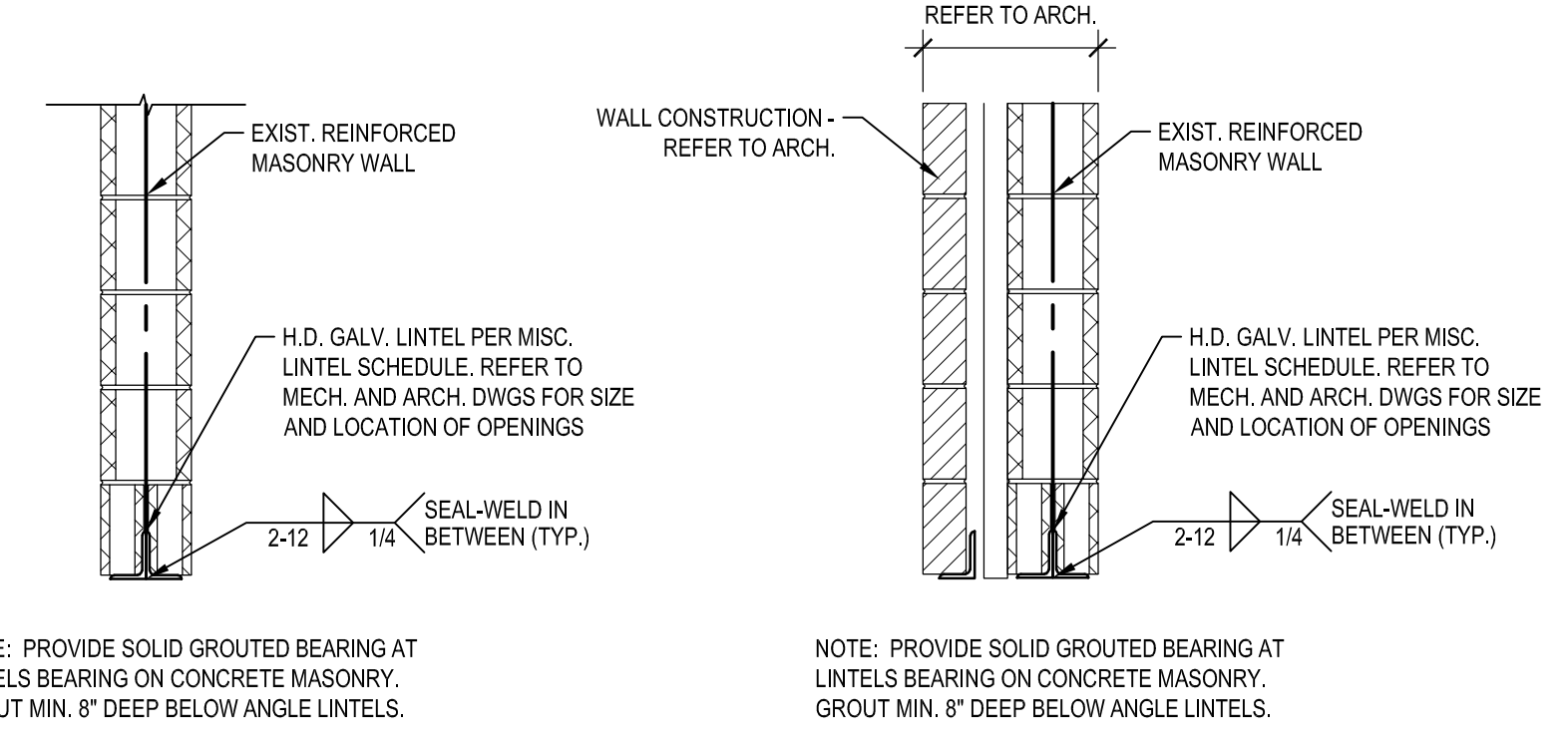
DRAWING NUMBER:

S001

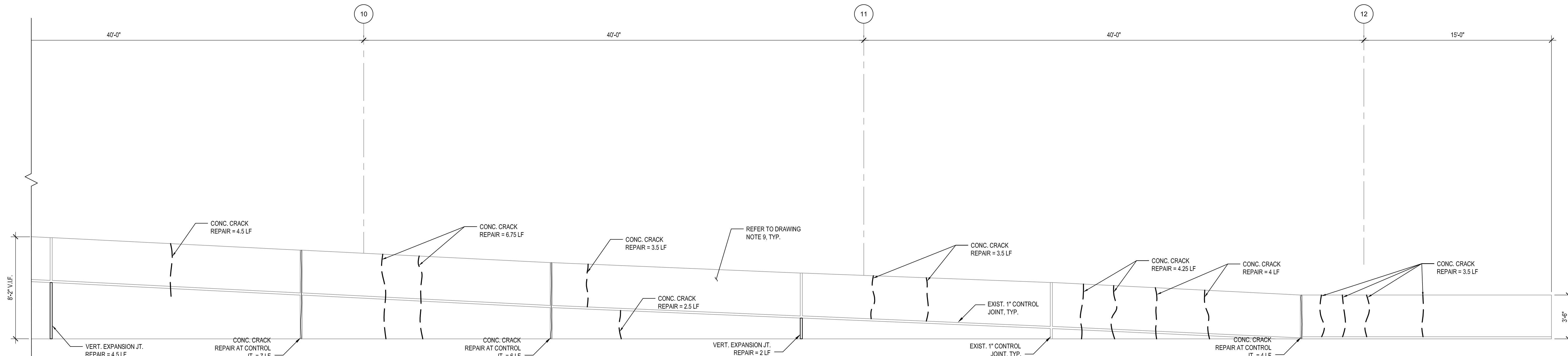
WALL THICKNESS	MASONRY OPENING			DETAIL
	UP TO 4'-0"	4'-1" TO 6'-0"	6'-1" TO 8'-0"	
4"	L 3 1/2 x 3 1/2 x 14 OR ST3 x 6.25	WT 7 x 11	WT 7 x 11	J OR L
6"	2 L S 3 1/2 x 3 1/2 x 5/16	WT 7 x 11	WT 7 x 11	JL OR L
8"	2 L S 3 1/2 x 3 1/2 x 1/4	2 L S 4 x 3 1/2 x 5/16	2 L S 5 x 3 1/2 x 5/16	JL
10"	L 5 x 3 1/2 x 1/4 L 4 x 2 x 1/4	L 5 x 3 1/2 x 5/16 L 4 x 2 x 5/16	L 5 x 5 x 5/16 L 4 x 4 x 5/16	JL
12"	3 L S 3 1/2 x 3 1/2 x 5/16	3 L S 4 x 3 1/2 x 5/16	3 L S 6 x 3 1/2 x 5/16	JL JL
16"	4 L S 3 1/2 x 3 1/2 x 5/16	4 L S 4 x 3 1/2 x 5/16	4 L S 6 x 3 1/2 x 5/16	JL JL
BEARING LENGTH	4"	6"	8"	ALL ANGLES LL.V.

NOTE:

- HOT DIP GALVANIZE ALL PIECES OF ALL LINTELS IN EXTERIOR WALLS.
- LINTELS FOR OPENINGS LARGER THAN 8' X 8' FOR HVAC, ELECTRICAL AND PLUMBING SHALL BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. COORDINATE QUANTITY, LOCATION AND SIZES WITH ALL TRADES.
- LINTELS ON EXTERIOR WALLS SHALL HAVE A MINIMUM THICKNESS OF 5/16".
- FOR OPENINGS ON MASONRY LINTELS NOT MARKED ON PLAN, USE APPROPRIATE SIZE FROM THIS TABLE OR CONTACT ARCHITECT / ENGINEER.

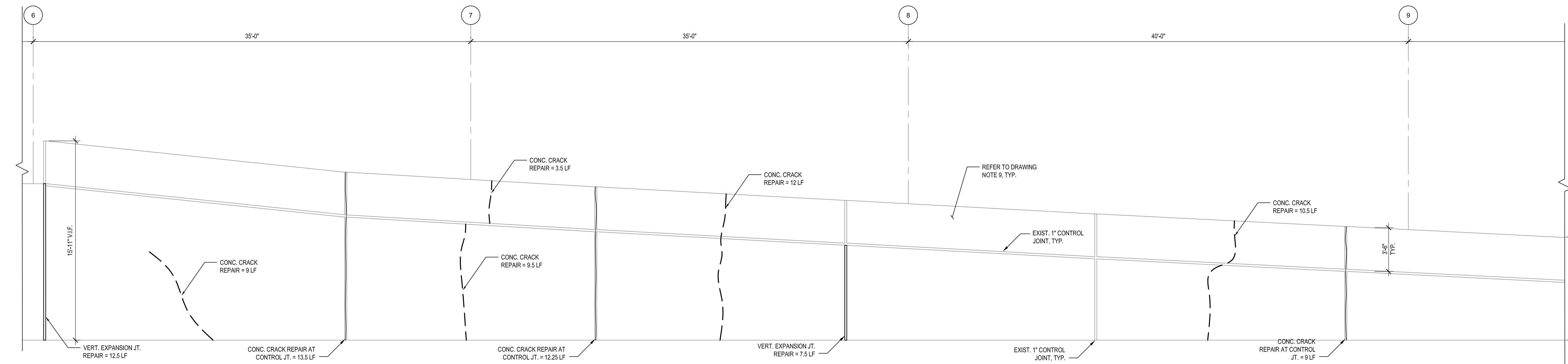


1 TYPICAL ANGLE LINTEL DETAIL
S001 N.T.S.



1 PARTIAL EAST ELEVATION RETAINING WALL REPAIRS
S-101 1/4"=1'-0"

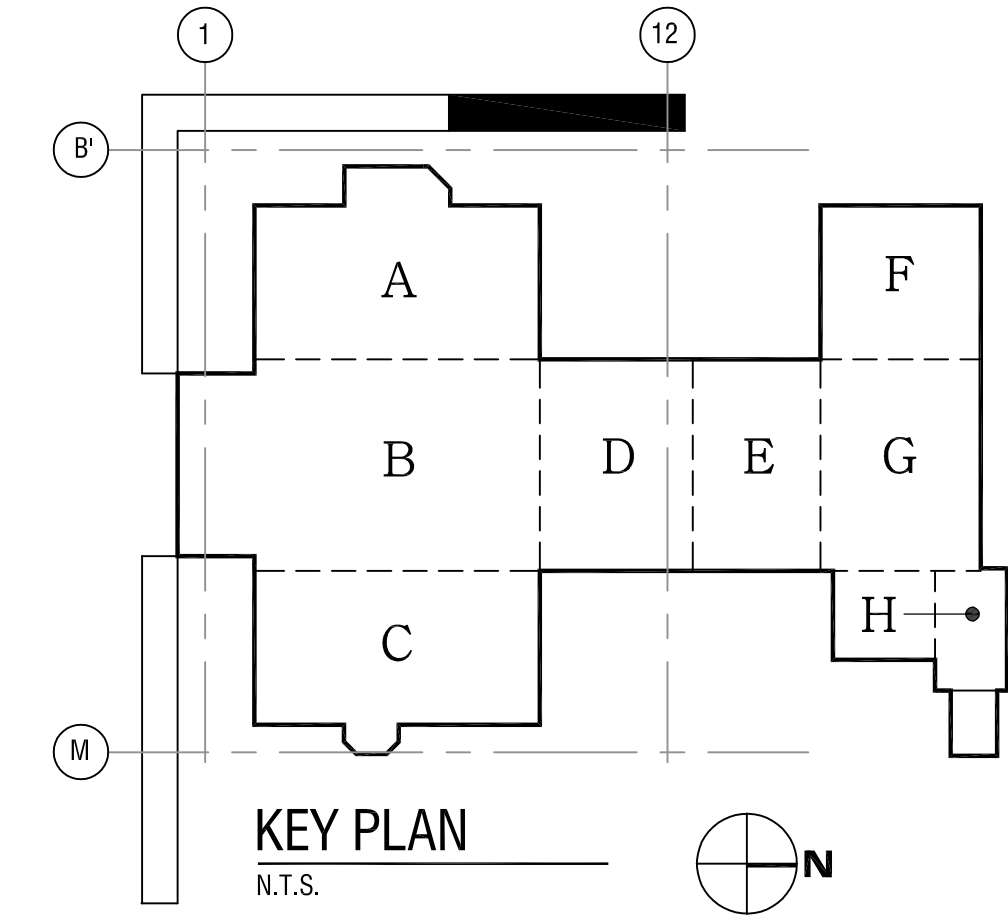
- DRAWING NOTES:**
- EXISTING PAVEMENT IS ELEVATION 531.00± UNLESS NOTED OTHERWISE.
 - REPAIR QUANTITIES SHOWN ARE APPROXIMATE. ACTUAL QUANTITIES MAY VARY. PERFORM A PRE-CONSTRUCTION SURVEY WITH THE OWNER AND/OR ITS DESIGNATED REPRESENTATIVE TO VERIFY LOCATION, TYPE, AND EXTENT OF DETERIORATION AND REQUIRED REPAIRS.
 - REPAIRS ARE SUBJECT TO MODIFICATION AS DETERMINED BY THE PRE-CONSTRUCTION SURVEY. CONDITIONS THAT MAY BE DISCOVERED AS THE WORK PROGRESSES, AND AS DETERMINED BY THE OWNER AND/OR ITS DESIGNATED REPRESENTATIVE.
 - PREPARE AND SUBMIT COORDINATION DRAWINGS THAT IDENTIFY ALL PROPOSED CONCRETE REPAIRS INCLUDING LOCATION, TYPE, AND QUANTITIES PRIOR TO COMMENCING REPAIR WORK.
 - FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS RELATED TO THE INDICATED WORK PRIOR TO THE PREPARATION OF SHOP COORDINATION DRAWINGS FOR THAT WORK.
 - REFER TO DRAWING S501 FOR GENERAL STRUCTURAL NOTES.
 - REFER TO DRAWING S501 FOR TYPICAL CONCRETE REPAIR DETAILS.
 - REFER TO AND COORDINATE WITH A-, M-, AND E-SERIES DRAWINGS FOR OTHER WORK TO BE PERFORMED.
 - UPON COMPLETION OF REPAIRS, POWER WASH ENTIRETY OF EXISTING CONCRETE RETAINING WALL.



2 PARTIAL EAST ELEVATION RETAINING WALL REPAIRS
S-101 1/4"=1'-0"

- DRAWING NOTES:**
- EXISTING PAVEMENT IS ELEVATION 531.00± UNLESS NOTED OTHERWISE.
 - REPAIR QUANTITIES SHOWN ARE APPROXIMATE. ACTUAL QUANTITIES MAY VARY. PERFORM A PRE-CONSTRUCTION SURVEY WITH THE OWNER AND/OR ITS DESIGNATED REPRESENTATIVE TO VERIFY LOCATION, TYPE, AND EXTENT OF DETERIORATION AND REQUIRED REPAIRS.
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 - REFER TO AND COORDINATE WITH A-, M-, AND E-SERIES DRAWINGS FOR OTHER WORK TO BE PERFORMED.
 - UPON COMPLETION OF REPAIRS, POWER WASH ENTIRETY OF EXISTING CONCRETE RETAINING WALL.

RETAINING WALL REPAIR SCHEDULE				
REPAIR TYPE	UNIT	ESTIMATED QUANTITY THIS SHEET	ESTIMATED TOTAL PROJECT QUANTITY	DETAIL
CONCRETE EXPANSION JOINT REPAIR	LF	26.5	217.5	4&5/S501
CONCRETE CRACK REPAIR	LF	108	438	2/S501
CONCRETE CRACK REPAIR CONTROL JOINT	LF	51.75	155	2/S501
SPALLED CONCRETE REPAIR	SF	0	143	3/S501



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655 COLFAX STREET
ROCHESTER, NY 14606

SED NO. 26-16-00-01-0-111-032
DWT NO. 26-16-00-01-7-999-020

NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

DRAWN BY: ERL

REVIEWED BY: JMF

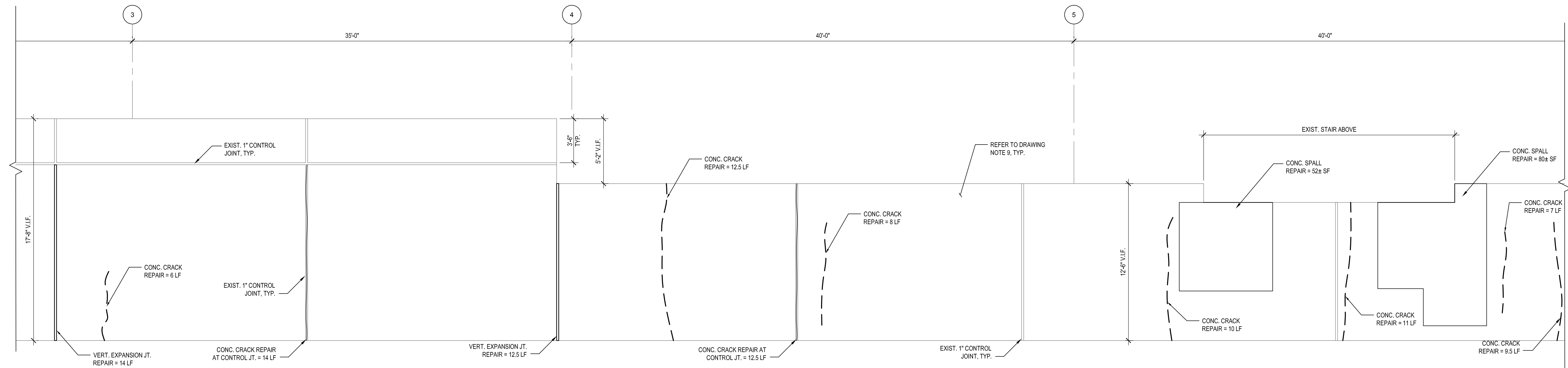
ISSUED FOR: BID DOCUMENTS

DATE: JUNE 26, 2019

DRAWING NAME: EAST ELEVATION RETAINING WALL REPAIRS

EAST ELEVATION RETAINING WALL REPAIRS

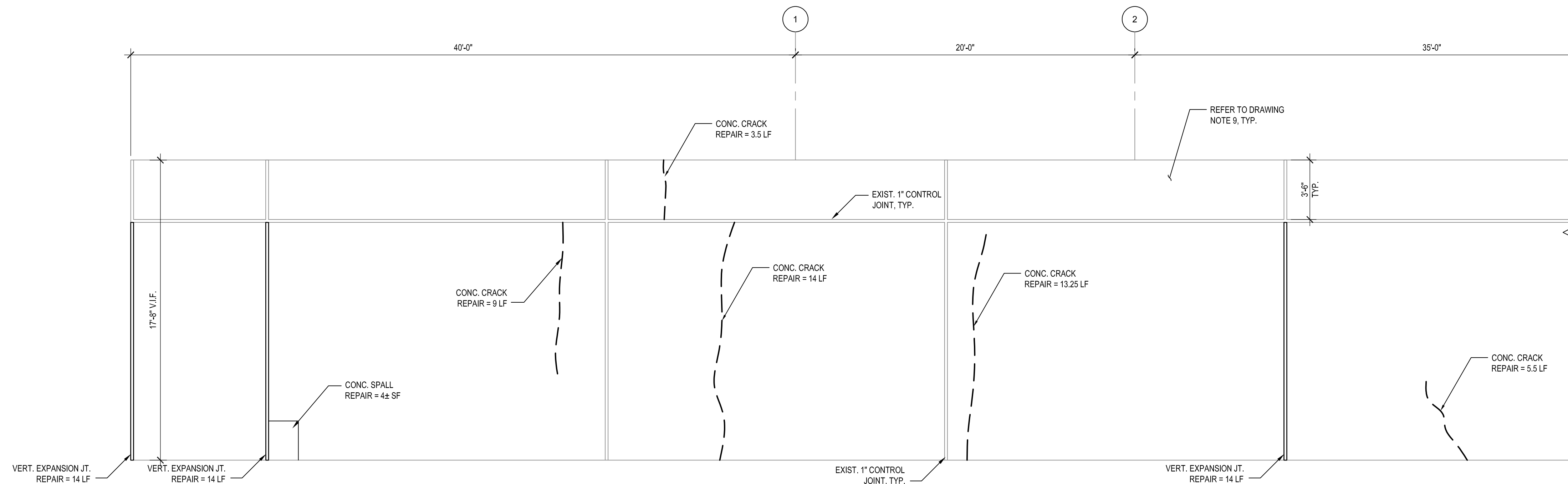
DRAWING NUMBER: S101



1 PARTIAL EAST ELEVATION RETAINING WALL REPAIRS
S-102 1/4"=1'-0"

DRAWING NOTES:

- EXISTING PAVEMENT IS ELEVATION 531.00± UNLESS NOTED OTHERWISE.
- REPAIR QUANTITIES SHOWN ARE APPROXIMATE; ACTUAL QUANTITIES MAY VARY. PERFORM A PRE-CONSTRUCTION SURVEY WITH THE OWNER AND/OR ITS DESIGNATED REPRESENTATIVE TO VERIFY LOCATION, TYPE, AND EXTENT OF DETERIORATION AND REQUIRED REPAIRS.
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- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS RELATED TO THE INDICATED WORK PRIOR TO THE PREPARATION OF SHOP/COORDINATION DRAWINGS FOR THAT WORK.
- REFER TO DRAWING S001 FOR GENERAL STRUCTURAL NOTES.
- REFER TO DRAWING S001 FOR TYPICAL CONCRETE REPAIR DETAILS.
- REFER TO AND COORDINATE WITH A-, M-, AND E-SERIES DRAWINGS FOR OTHER WORK TO BE PERFORMED.
- UPON COMPLETION OF REPAIRS, POWER WASH ENTIRETY OF EXISTING CONCRETE RETAINING WALL.



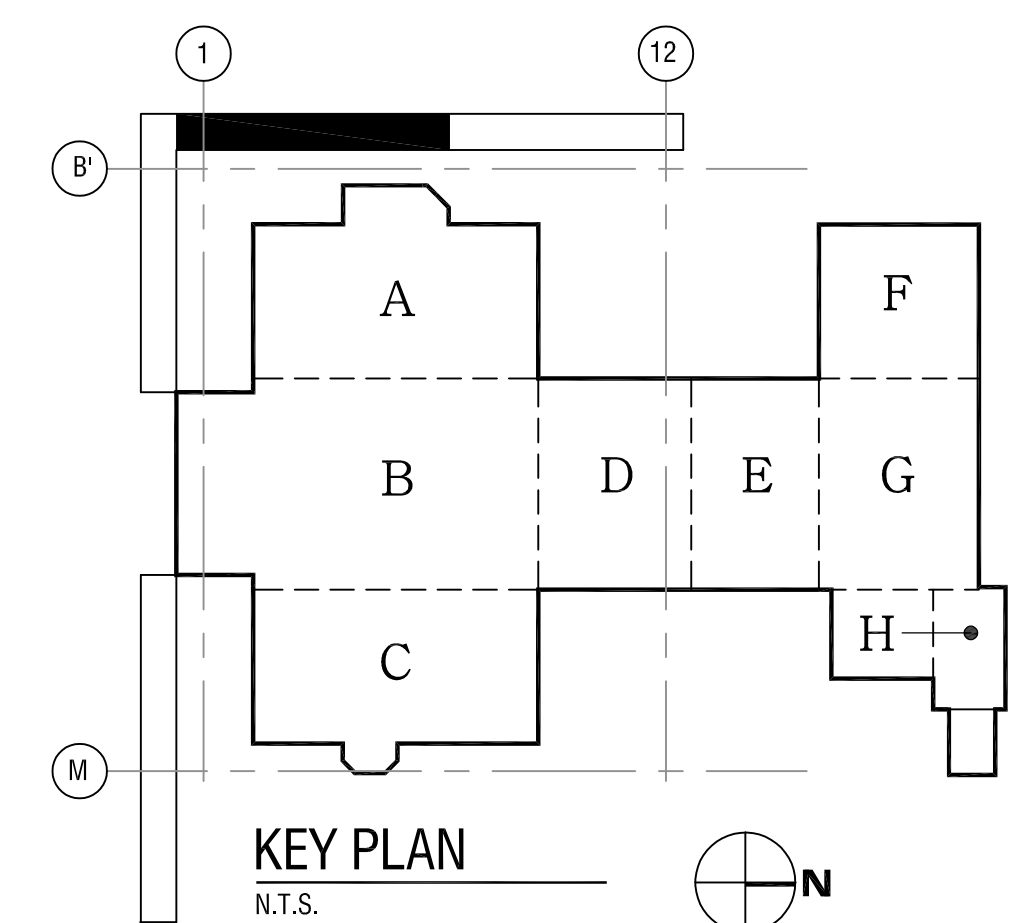
2 PARTIAL EAST ELEVATION RETAINING WALL REPAIRS
S-102 1/4"=1'-0"

DRAWING NOTES:

- EXISTING PAVEMENT IS ELEVATION 531.00± UNLESS NOTED OTHERWISE.
- REPAIR QUANTITIES SHOWN ARE APPROXIMATE; ACTUAL QUANTITIES MAY VARY. PERFORM A PRE-CONSTRUCTION SURVEY WITH THE OWNER AND/OR ITS DESIGNATED REPRESENTATIVE TO VERIFY LOCATION, TYPE, AND EXTENT OF DETERIORATION AND REQUIRED REPAIRS.
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- UPON COMPLETION OF REPAIRS, POWER WASH ENTIRETY OF EXISTING CONCRETE RETAINING WALL.

RETAINING WALL REPAIR SCHEDULE

REPAIR TYPE	UNIT	ESTIMATED QUANTITY THIS SHEET	ESTIMATED TOTAL PROJECT QUANTITY	DETAIL
CONCRETE EXPANSION JOINT REPAIR	LF	88.5	217.5	4&S/S01
CONCRETE CRACK REPAIR	LF	109.25	438	2/S01
CONCRETE CRACK REPAIR CONTROL JOINT	LF	26.5	155	2/S01
SPALLED CONCRETE REPAIR	SF	136	143	3/S01



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SED NO. 26-16-00-01-0-111-032
DWT NO. 26-16-00-01-7-999-020

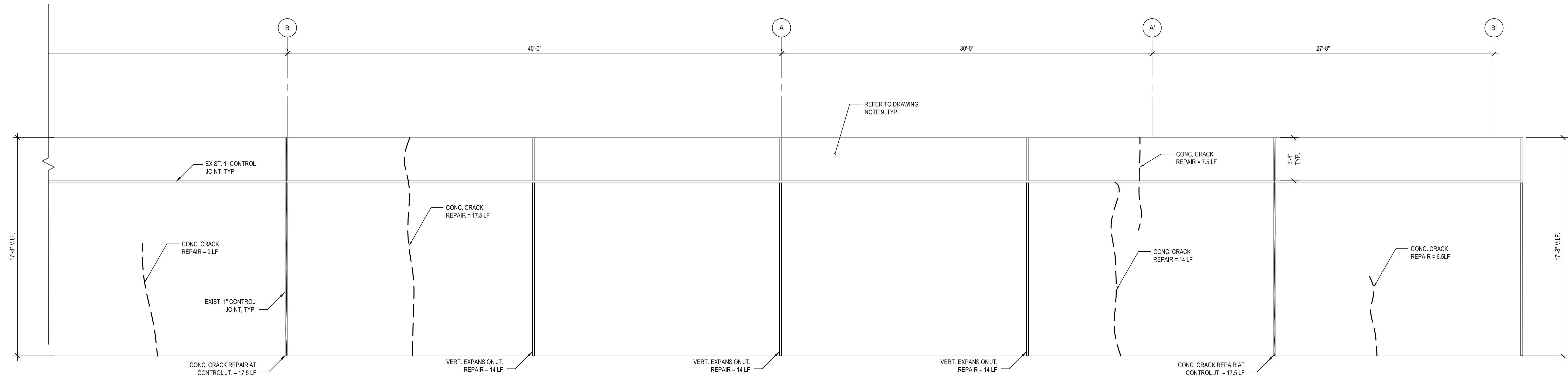
REVISIONS		
NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218
DRAWN BY: ERL
REVIEWED BY: JMF
ISSUED FOR: BID DOCUMENTS
DATE: JUNE 26, 2019
DRAWING NAME:

EAST ELEVATION RETAINING WALL REPAIRS

DRAWING NUMBER:

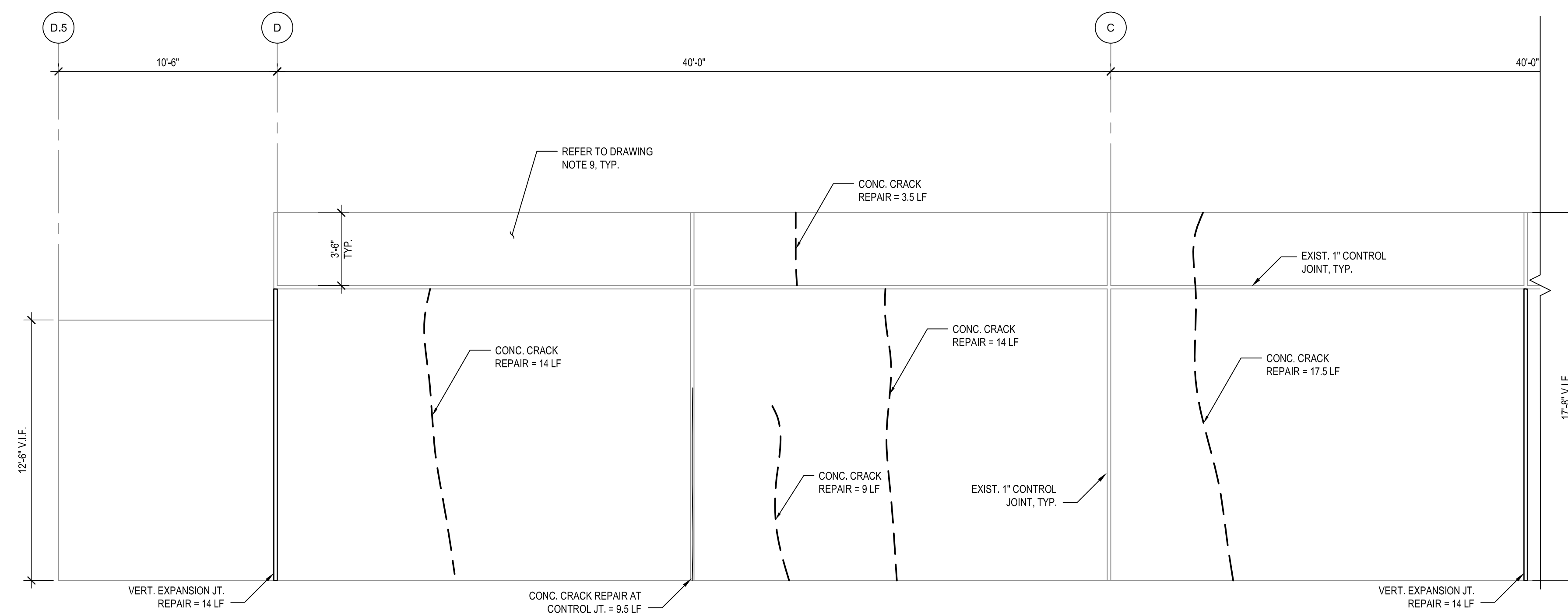
S102



1 PARTIAL NORTH ELEVATION RETAINING WALL REPAIRS
S-103 1/4"=1'-0"

DRAWING NOTES:

- EXISTING PAVEMENT IS ELEVATION 531.00± UNLESS NOTED OTHERWISE.
- REPAIR QUANTITIES SHOWN ARE APPROXIMATE. ACTUAL QUANTITIES MAY VARY. PERFORM A PRE-CONSTRUCTION SURVEY WITH THE OWNER AND/OR ITS DESIGNATED REPRESENTATIVE TO VERIFY LOCATION, TYPE, AND EXTENT OF DETERIORATION AND REQUIRED REPAIRS.
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- REFER TO DRAWING S501 FOR TYPICAL CONCRETE REPAIR DETAILS.
- REFER TO AND COORDINATE WITH A-, M-, AND E-SERIES DRAWINGS FOR OTHER WORK TO BE PERFORMED.
- UPON COMPLETION OF REPAIRS, POWER WASH ENTIRETY OF EXISTING CONCRETE RETAINING WALL.



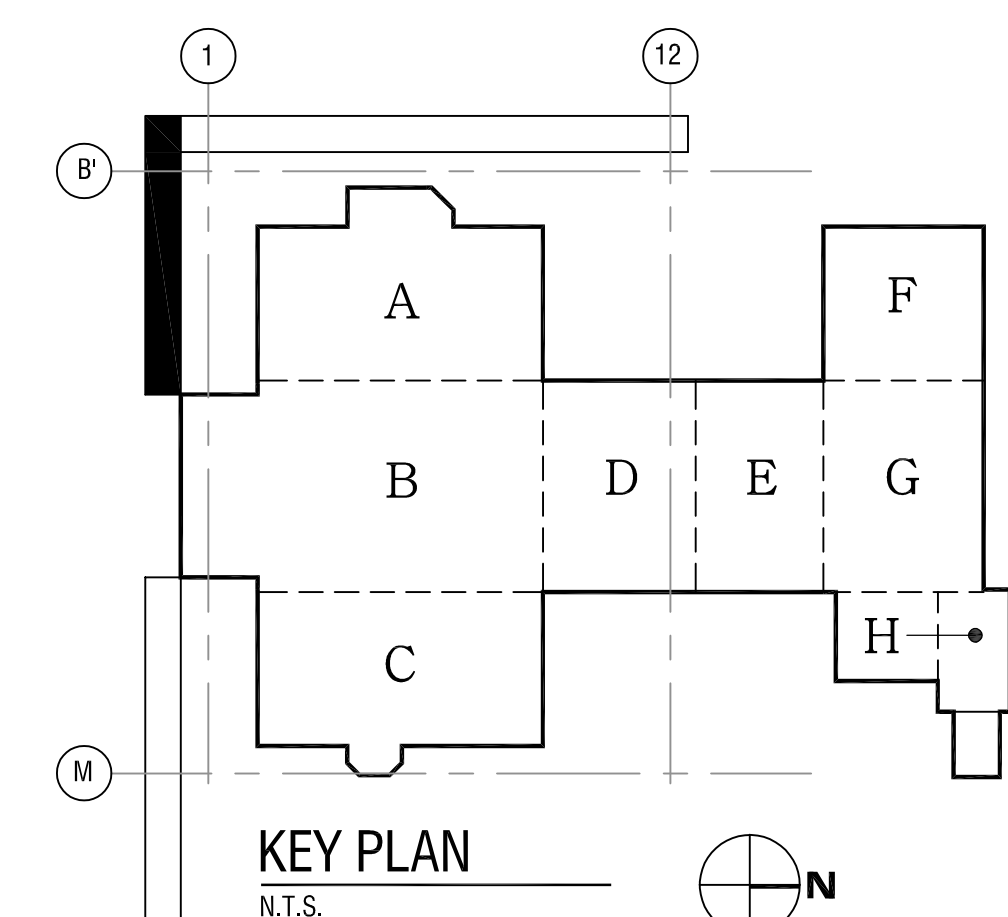
2 PARTIAL NORTH ELEVATION RETAINING WALL REPAIRS
S-103 1/4"=1'-0"

DRAWING NOTES:

- EXISTING PAVEMENT IS ELEVATION 531.00± UNLESS NOTED OTHERWISE.
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- UPON COMPLETION OF REPAIRS, POWER WASH ENTIRETY OF EXISTING CONCRETE RETAINING WALL.

RETAINING WALL REPAIR SCHEDULE

REPAIR TYPE	UNIT	ESTIMATED QUANTITY THIS SHEET	ESTIMATED TOTAL PROJECT QUANTITY	DETAIL
CONCRETE EXPANSION JOINT REPAIR	LF	70	217.5	4&S/S501
CONCRETE CRACK REPAIR	LF	112.5	438	2/S501
CONCRETE CRACK REPAIR CONTROL JOINT	LF	44.5	155	2/S501
SPALLED CONCRETE REPAIR	SF	0	143	3/S501



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SED NO. 26-16-00-01-0-111-032
DWT NO. 26-16-00-01-7-999-020

NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

DRAWN BY: ERL

REVIEWED BY: JMF

ISSUED FOR: BID DOCUMENTS

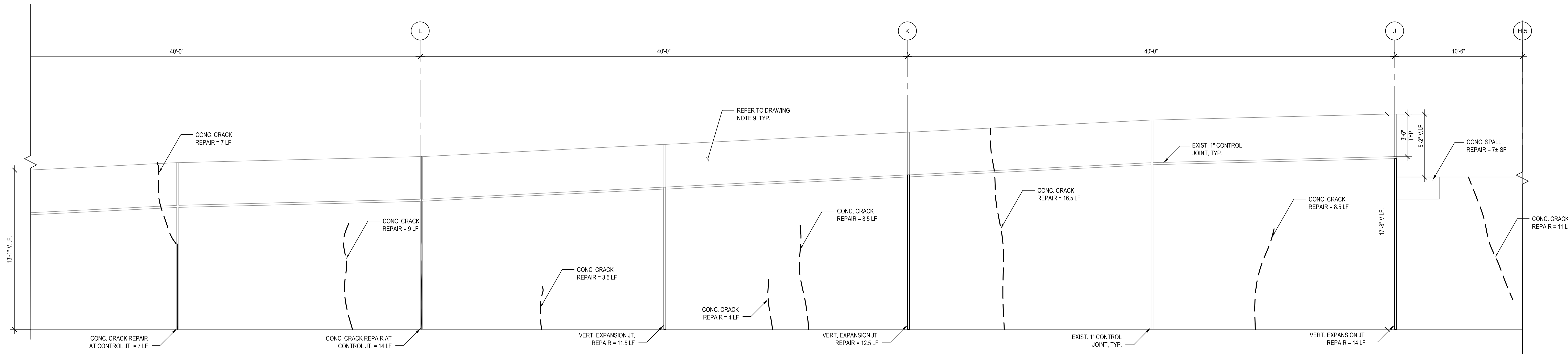
DATE: JUNE 26, 2019

DRAWING NAME:

NORTH ELEVATION RETAINING WALL REPAIRS

DRAWING NUMBER:

S103

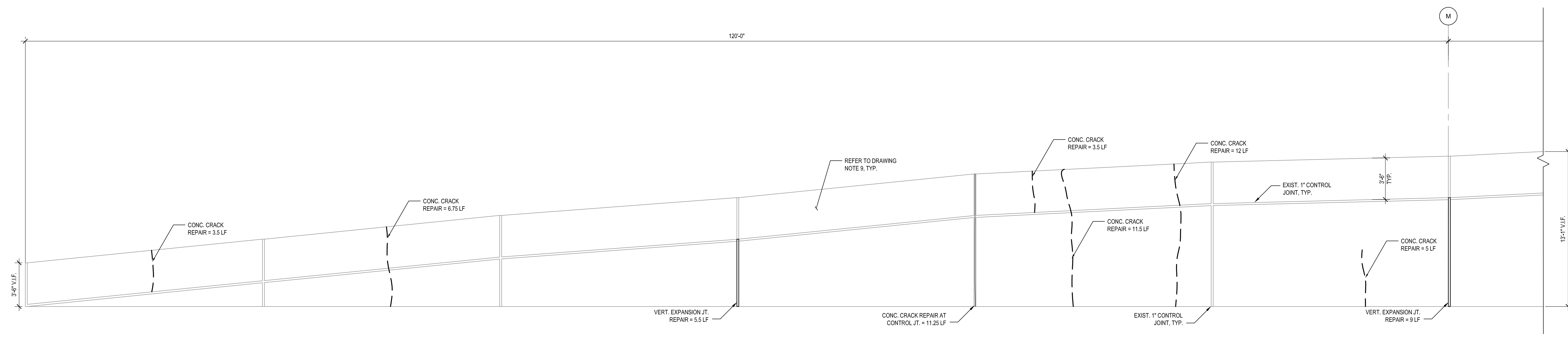


1 PARTIAL NORTH ELEVATION RETAINING WALL REPAIRS

S-104 1/4"=1'-0"

DRAWING NOTES:

- EXISTING PAVEMENT IS ELEVATION 531.00± UNLESS NOTED OTHERWISE.
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- REFER TO DRAWING S001 FOR TYPICAL CONCRETE REPAIR DETAILS.
- REFER TO AND COORDINATE WITH A-, M-, AND E-SERIES DRAWINGS FOR OTHER WORK TO BE PERFORMED.
- UPON COMPLETION OF REPAIRS, POWER WASH ENTIRETY OF EXISTING CONCRETE RETAINING WALL.



2 PARTIAL NORTH ELEVATION RETAINING WALL REPAIRS

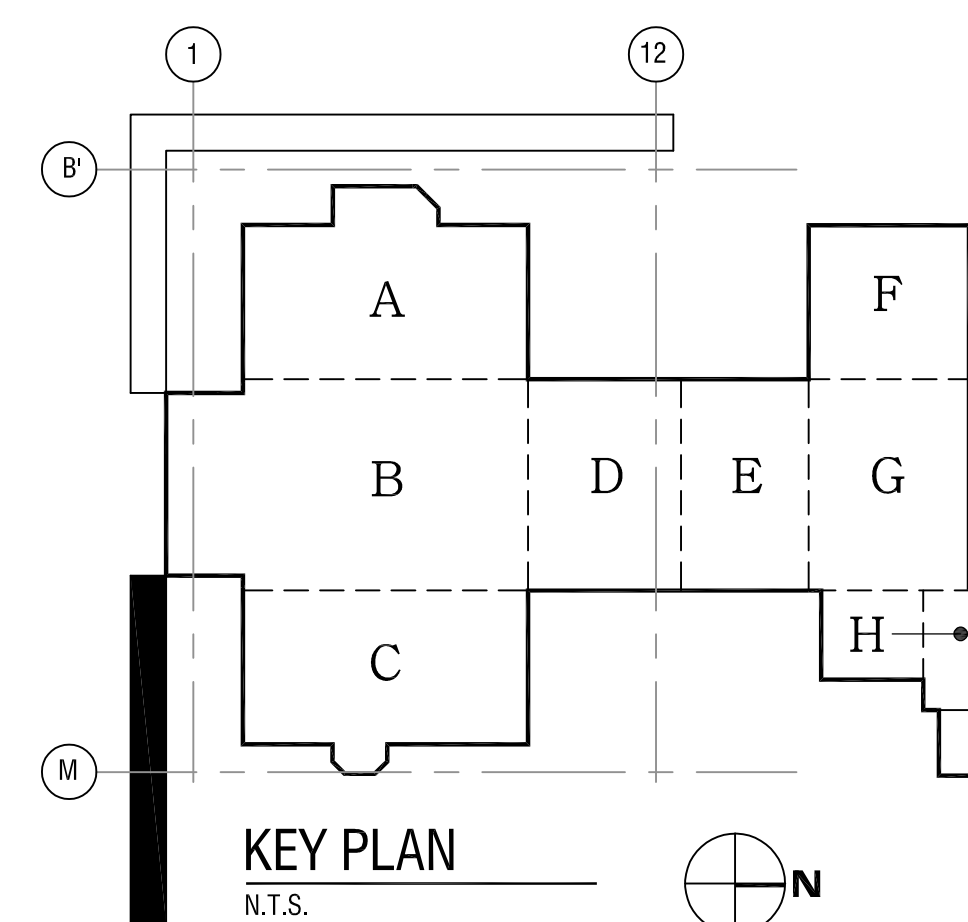
S-104 1/4"=1'-0"

DRAWING NOTES:

- EXISTING PAVEMENT IS ELEVATION 531.00± UNLESS NOTED OTHERWISE.
- REPAIR QUANTITIES SHOWN ARE APPROXIMATE; ACTUAL QUANTITIES MAY VARY. PERFORM A PRE-CONSTRUCTION SURVEY WITH THE OWNER AND/OR ITS DESIGNATED REPRESENTATIVE TO VERIFY LOCATION, TYPE, AND EXTENT OF DETERIORATION AND REQUIRED REPAIRS.
- REPAIRS ARE SUBJECT TO MODIFICATION AS DETERMINED BY THE PRE-CONSTRUCTION SURVEY. CONDITIONS THAT MAY BE DISCOVERED AS THE WORK PROGRESSES, AND AS DETERMINED BY THE OWNER AND/OR ITS DESIGNATED REPRESENTATIVE.
- PREPARE AND SUBMIT COORDINATION DRAWINGS THAT IDENTIFY ALL PROPOSED CONCRETE REPAIRS INCLUDING LOCATION, TYPE, AND QUANTITIES PRIOR TO COMMENCING REPAIR WORK.
- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS RELATED TO THE INDICATED WORK PRIOR TO THE PREPARATION OF SHOP/COORDINATION DRAWINGS FOR THAT WORK.
- REFER TO DRAWING S001 FOR GENERAL STRUCTURAL NOTES.
- REFER TO DRAWING S001 FOR TYPICAL CONCRETE REPAIR DETAILS.
- REFER TO AND COORDINATE WITH A-, M-, AND E-SERIES DRAWINGS FOR OTHER WORK TO BE PERFORMED.
- UPON COMPLETION OF REPAIRS, POWER WASH ENTIRETY OF EXISTING CONCRETE RETAINING WALL.

RETAINING WALL REPAIR SCHEDULE

REPAIR TYPE	UNIT	ESTIMATED QUANTITY THIS SHEET	ESTIMATED TOTAL PROJECT QUANTITY	DETAIL
CONCRETE EXPANSION JOINT REPAIR	LF	52.5	217.5	485/S501
CONCRETE CRACK REPAIR	LF	110.25	438	2/S501
CONCRETE CRACK REPAIR CONTROL JOINT	LF	32.25	155	2/S501
SPALLED CONCRETE REPAIR	SF	7	143	3/S501



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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ROCHESTER SCHOOLS MODERNIZATION PROGRAM

1776 N. CLINTON AVE
ROCHESTER, NY 14621

EDISON TECHNICAL SCHOOL

655 COLFAX STREET
ROCHESTER, NY 14606

SED NO. 26-16-00-01-0-111-032
DWT NO. 26-16-00-01-7-999-020

NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

DRAWN BY: ERL

REVIEWED BY: JMF

ISSUED FOR: BID DOCUMENTS

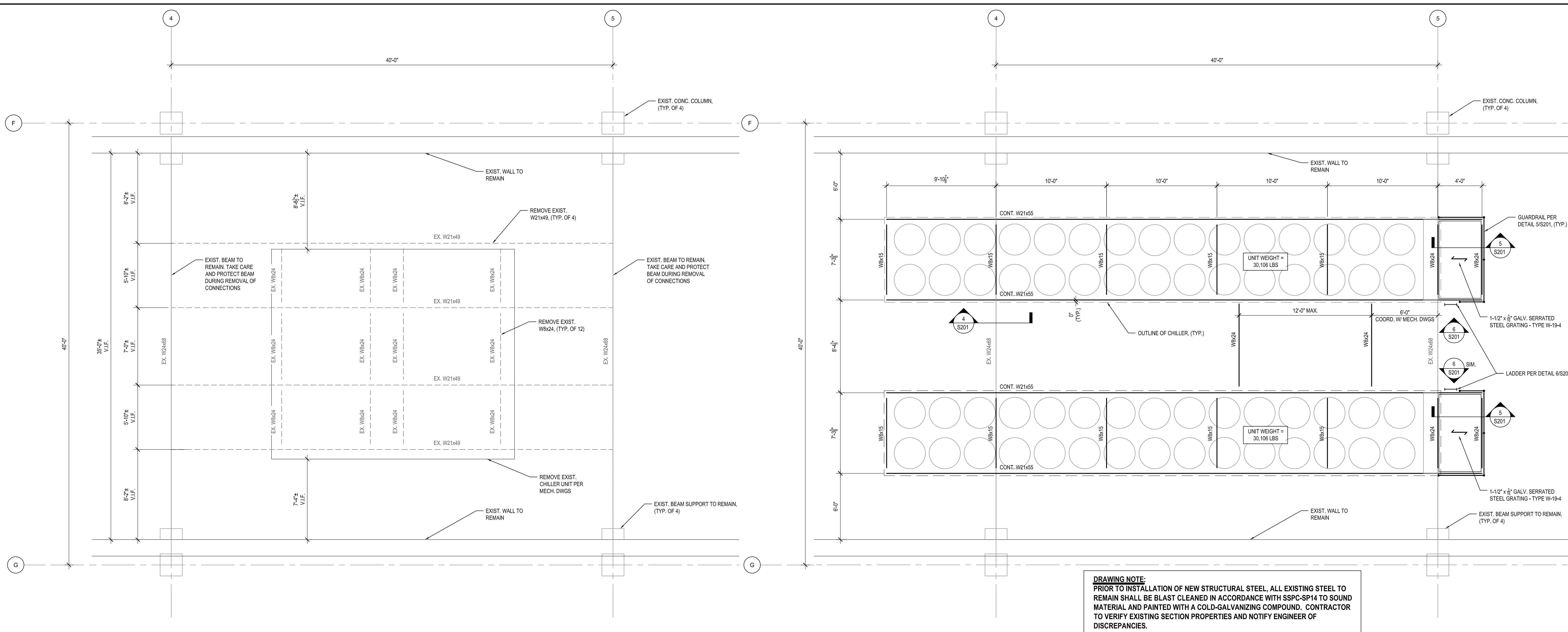
DATE: JUNE 26, 2019

DRAWING NAME:

NORTH ELEVATION RETAINING WALL REPAIRS

DRAWING NUMBER:

S104



DRAWING NOTE:
PRIOR TO INSTALLATION OF NEW STRUCTURAL STEEL, ALL EXISTING STEEL TO REMAIN SHALL BE BLAST CLEANED IN ACCORDANCE WITH SSPC-SP14 TO SOUND MATERIAL AND PAINTED WITH A COLD-GALVANIZING COMPOUND. CONTRACTOR TO VERIFY EXISTING SECTION PROPERTIES AND NOTIFY ENGINEER OF DISCREPANCIES.

1 EXIST. CHILLER TOWER SUPPORT DEMOLITION PLAN
S201 1/4" = 1'-0"

FRAMING NOTES:

1. TYPICAL TOP OF STEEL + 53'-02" ± (V.I.F.) ABOVE LEVEL 1 FLOOR ELEVATION 0'-0" (+531'-0") UNLESS NOTED OTHERWISE.
2. TAKE CARE AND PROTECT EXISTING STEEL TO REMAIN DURING REMOVAL OF CONNECTIONS.
3. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS RELATED TO THE INDICATED WORK PRIOR TO THE PREPARATION OF COORDINATION SHOP DRAWINGS FOR THAT WORK.
4. REFER TO MECHANICAL DRAWINGS FOR EXISTING UNIT SIZE, LOCATION, AND OTHER MISCELLANEOUS REQUIREMENTS.
5. REFER TO DRAWING S001 FOR GENERAL STRUCTURAL NOTES AND DRAWING S201 FOR TYPICAL STRUCTURAL DETAILS.

2 CHILLER SUPPORT FRAMING PLAN
S201 1/4" = 1'-0"

FRAMING NOTES:

1. TYPICAL TOP OF STEEL + 53'-02" ± (V.I.F.) ABOVE LEVEL 1 FLOOR ELEVATION 0'-0" (+531'-0") UNLESS NOTED OTHERWISE.
2. ALL EXTERIOR STEEL FRAMING AND CONNECTIONS SHALL BE HOT DIPPED GALVANIZED AND PAINTED WITH A HIGH PERFORMANCE COATING SYSTEM.
3. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS RELATED TO THE INDICATED WORK PRIOR TO THE PREPARATION OF SHOP/COORDINATION DRAWINGS FOR THAT WORK.
4. REFER TO MECHANICAL DRAWINGS FOR UNIT SIZE, LOCATION, AND OTHER MISCELLANEOUS REQUIREMENTS. CONFIRM FRAMING DIMENSIONS, REQUIRED OPENINGS AND ACCESS SPACE WITH APPROVED MECHANICAL UNIT MANUFACTURER PRIOR TO THE PREPARATION OF SHOP DRAWINGS.
5. REFER TO DRAWING S001 FOR GENERAL STRUCTURAL NOTES AND DRAWING S201 FOR TYPICAL STRUCTURAL DETAILS.

CONTRACTOR SHALL HAVE A LICENSED SURVEYOR VERIFY EXISTING ELEVATIONS AND STRUCTURE HEIGHTS BEFORE ORDERING, FABRICATING OR DETAILING STRUCTURAL FRAMING, OR COMMENCING CONSTRUCTION. CONFIRMATION OF ELEVATIONS SHALL TAKE PLACE AT ALL LOCATIONS WHERE NEW FRAMING MEETS EXISTING CONSTRUCTION.

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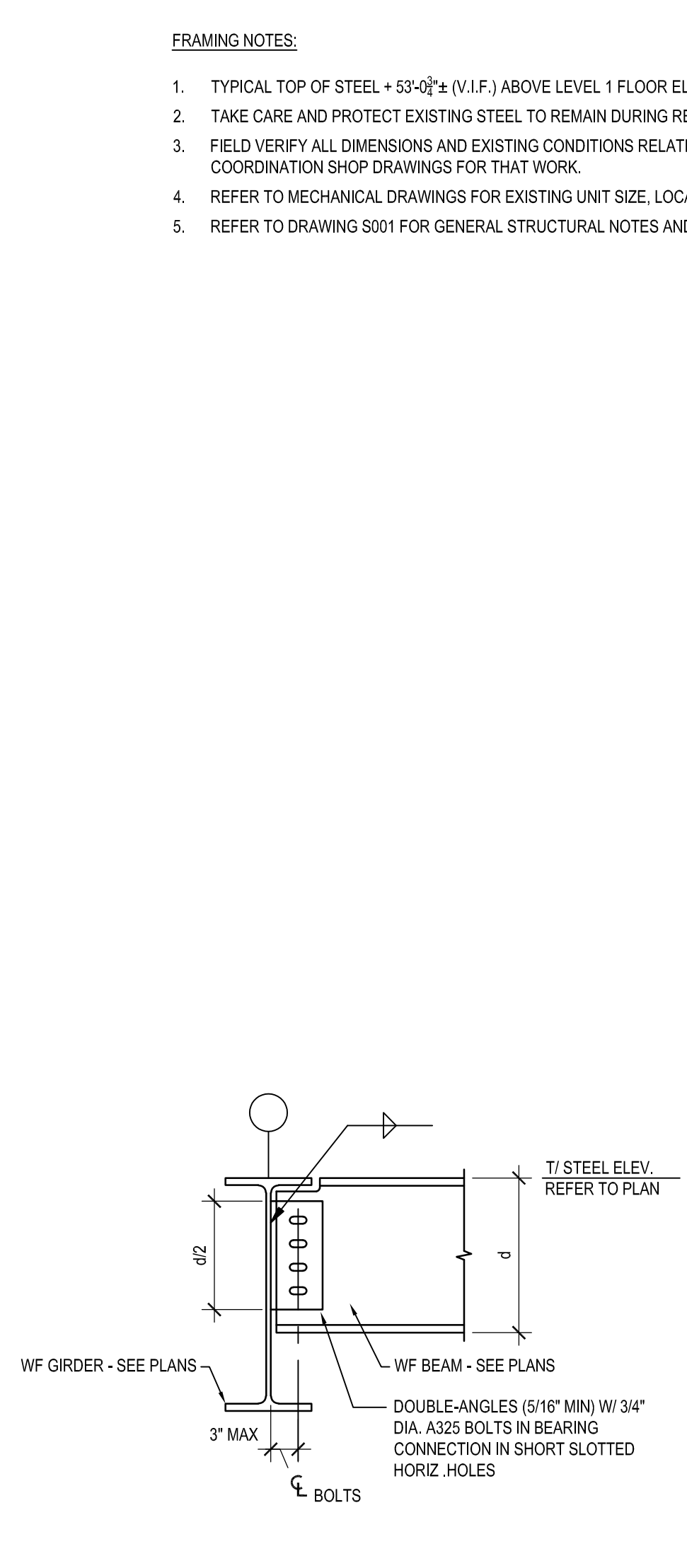
DATE: JUNE 26, 2019

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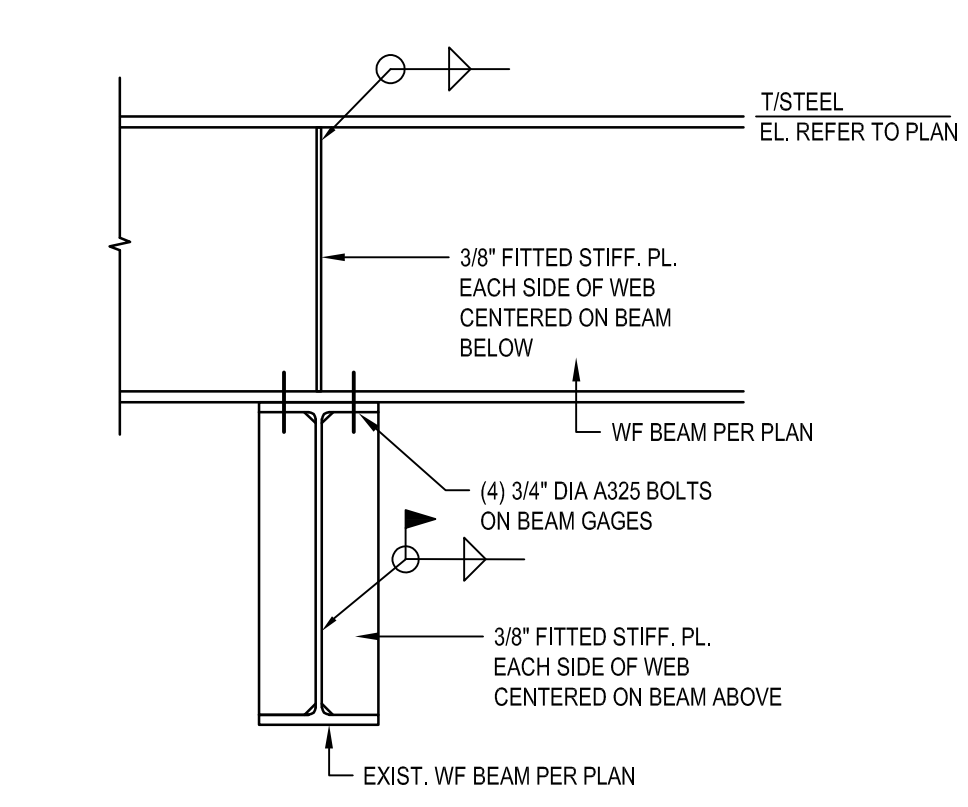
DRAWING NUMBER:

CHILLER SUPPORT DEMOLITION AND FRAMING PLANS

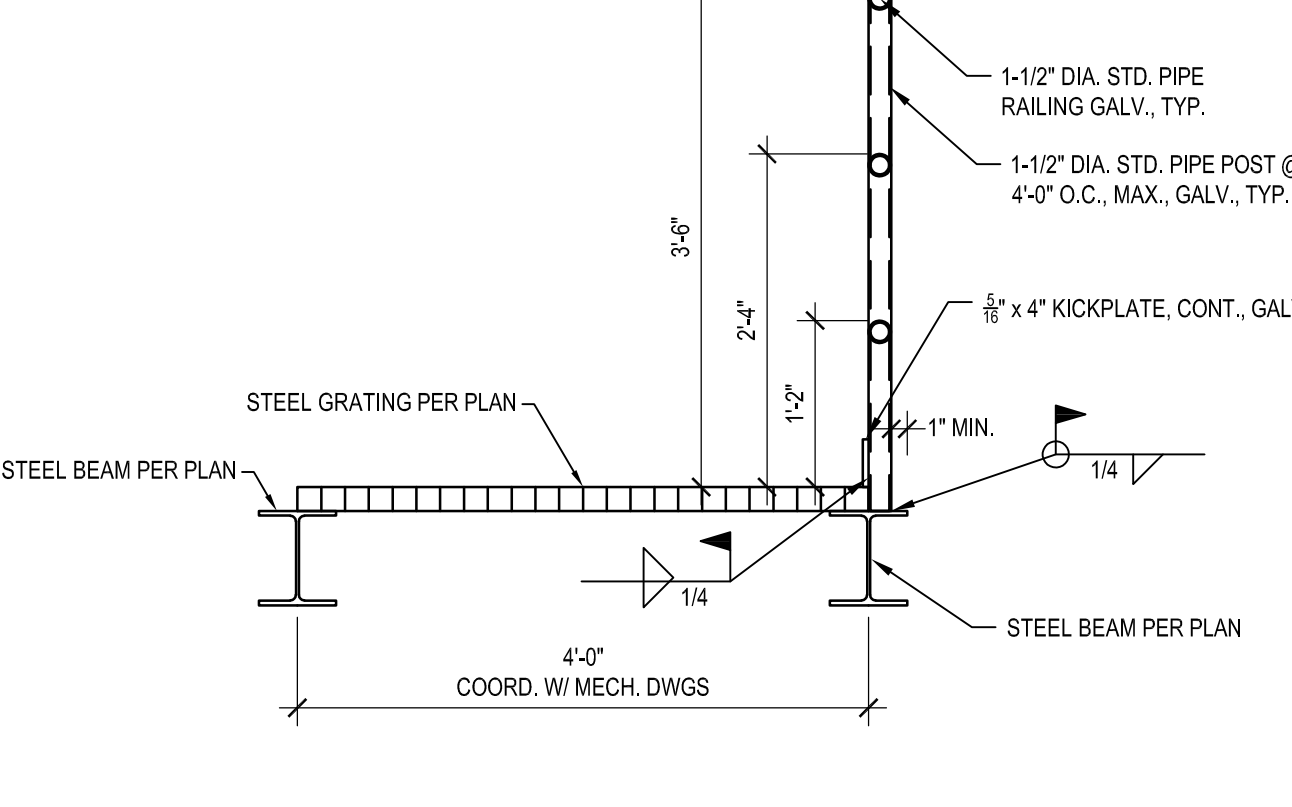
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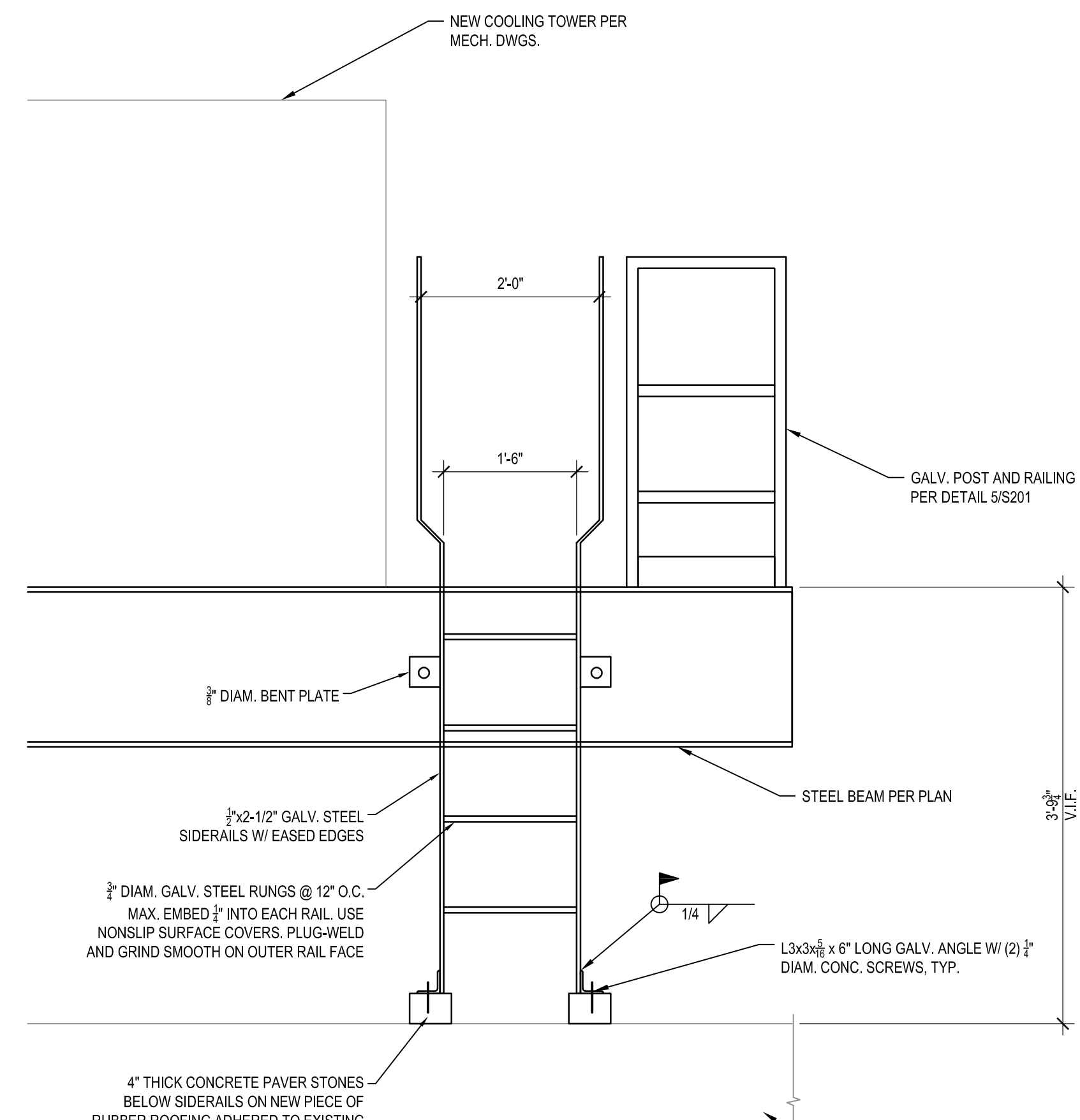
3 TYP. FRAMED BEAM CONN.
S201 3/4" = 1'-0"



4 TYP. BEAM ON BEAM CONN.
S201 3/4" = 1'-0"



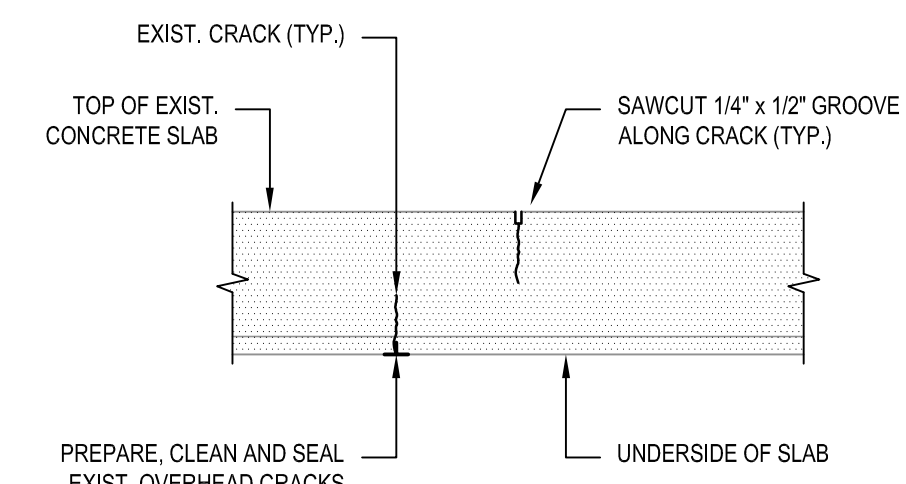
5 RAILING CONNECTION DETAIL
S201 3/4" = 1'-0"



6 PLATFORM LADDER DETAIL
S201 3/4" = 1'-0"

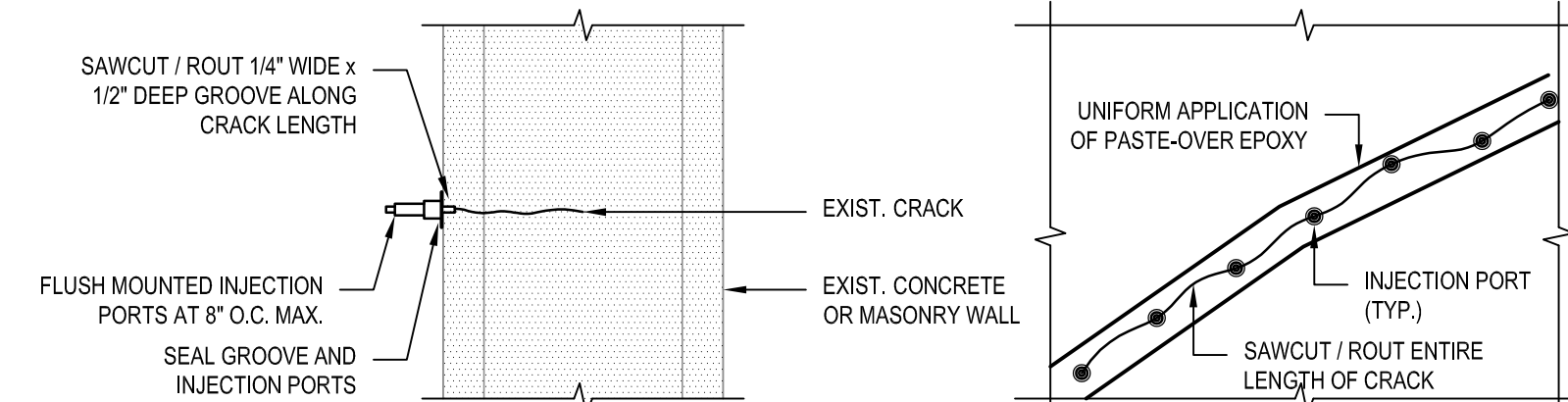
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S201



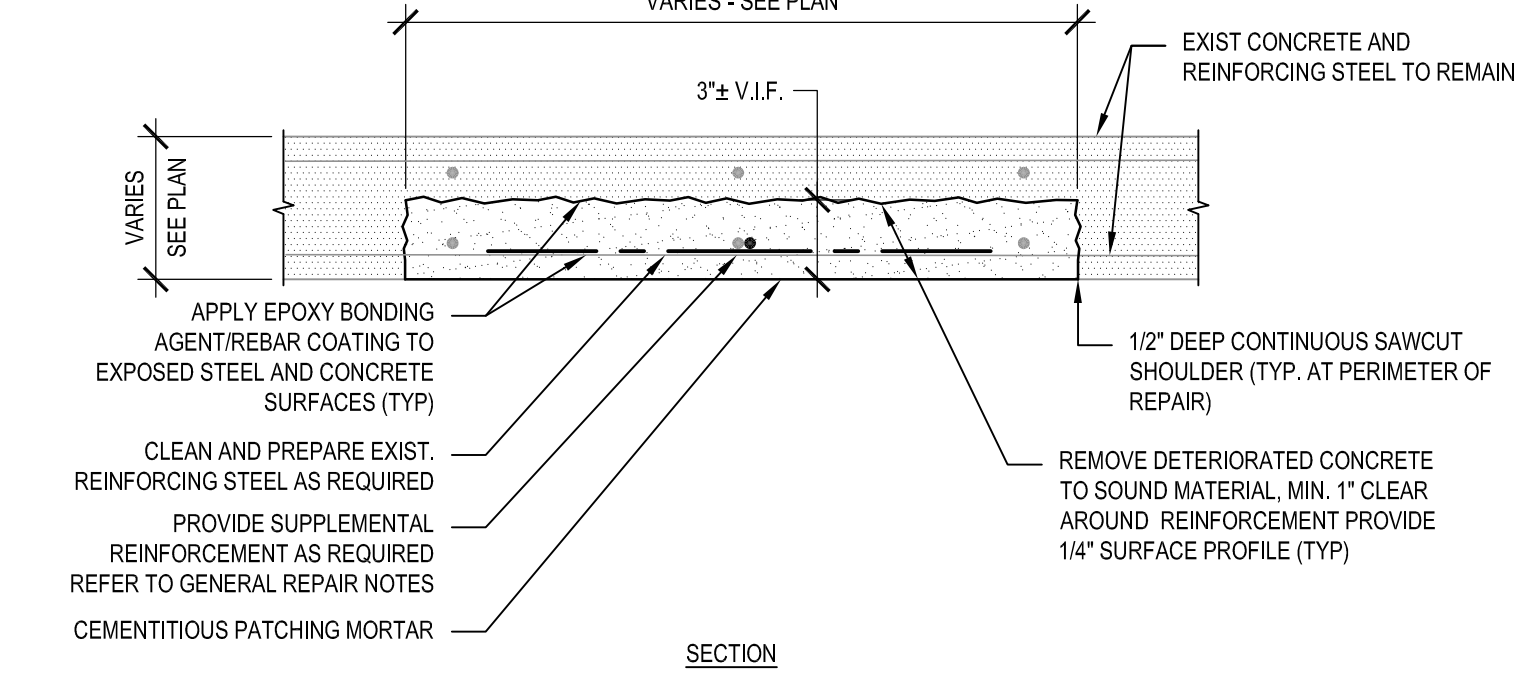
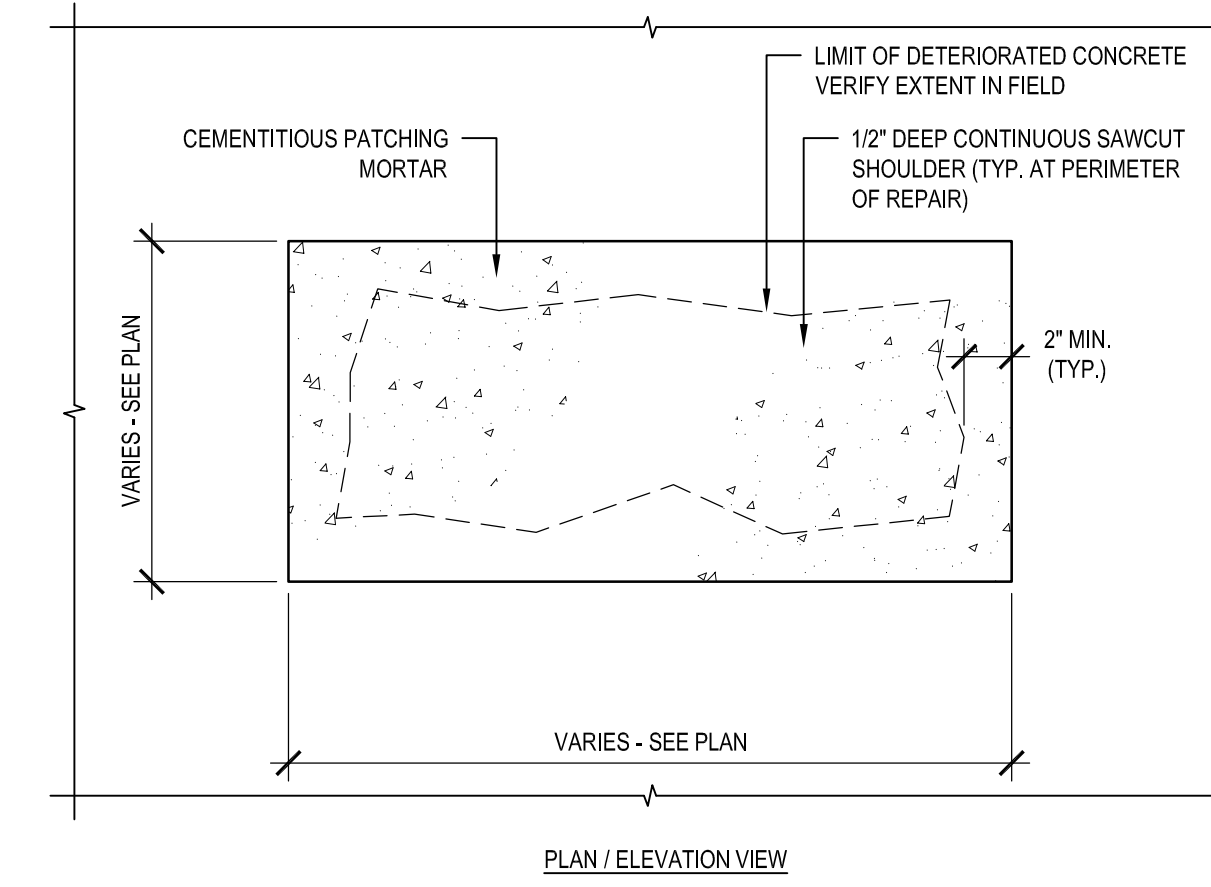
HORIZONTAL CRACK REPAIR PROCEDURE:

1. WIDEN EXISTING CRACK(S) BY SAWCUTTING OR GRINDING TO INDICATED DIMENSIONS.
2. THOROUGHLY CLEAN THE CRACK WITH COMPRESSED AIR AND/OR HIGH-PRESSURE WATER TO REMOVE ALL LOOSE PARTICLES / DIRT AND FLUSH WITH POTABLE WATER. USE DETERGENT AND/OR SOLVENT TO REMOVE OIL, TAR AND GREASE.
3. APPLY EPOXY RESIN REPAIR MATERIAL BY GRAVITY FEED INTO CRACK AT TOP OF SLAB SO AS TO COMPLETELY FILL THE CRACK. TOOL AND TRIM REPAIR MATERIAL FLUSH WITH ADJACENT SURFACE.
4. PREPARE, CLEAN, AND SEAL OVERHEAD CRACKS (BOTTOM OF SLAB) AND INJECT EPOXY RESIN REPAIR MATERIAL PER VERTICAL CRACK REPAIR PROCEDURE.



VERTICAL CRACK REPAIR PROCEDURE:

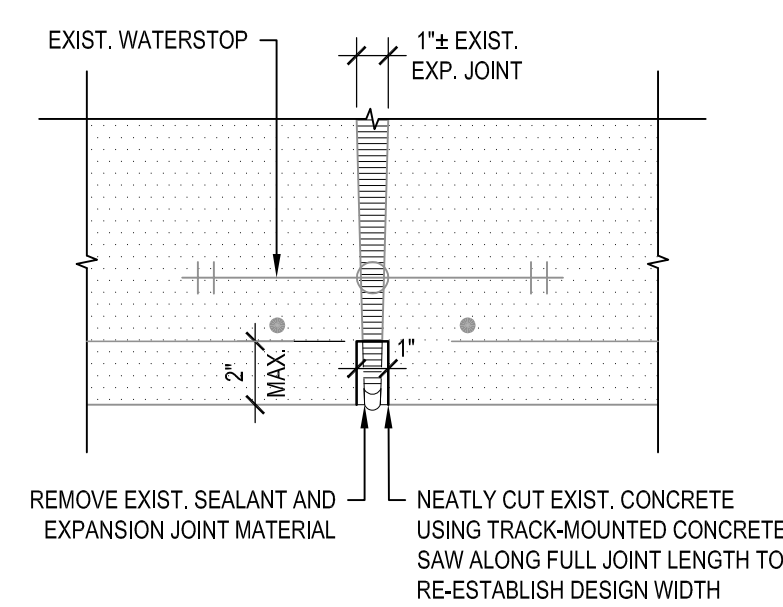
1. PRESSURE INJECTION SHALL BE SUPERVISED AND PERFORMED BY QUALIFIED PERSONNEL EXPERIENCED IN PRESSURE INJECTION.
2. WIDEN EXISTING CRACK(S) BY SAWCUTTING OR GRINDING TO INDICATED DIMENSIONS.
3. THOROUGHLY CLEAN THE CRACK WITH COMPRESSED AIR AND/OR HIGH-PRESSURE WATER TO REMOVE ALL LOOSE PARTICLES / DIRT AND FLUSH WITH POTABLE WATER. USE DETERGENT AND/OR SOLVENT TO REMOVE OIL, TAR, GREASE, AND OTHER DELETERIOUS SUBSTANCES.
4. PERFORM PRESSURE INJECTION IN STRICT ACCORDANCE WITH EPOXY RESIN MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS USING APPROPRIATE EQUIPMENT. BEGIN EPOXY INJECTION AT LOWEST PORT AND CONTINUE UNTIL PORT DOES NOT ACCEPT ADDITIONAL EPOXY. CLOSE ADJACENT PORTS IF EPOXY EMERGES WHILE FIRST PORT STILL ACCEPTS EPOXY. CONTINUE INJECTION UNTIL FIRST PORT REFUSES EPOXY.
5. MOVE TO LAST PORT EPOXY APPEARED AND CONTINUE INJECTING EPOXY INTO PORT. REPEAT PROCESS UNTIL CRACK HAS BEEN COMPLETELY FILLED.
6. REMOVE PASTE-OVER EPOXY WITH HAND-HELD CHISEL, SCRAPER, OR GRINDER WHEN INJECTION HAS BEEN COMPLETED.



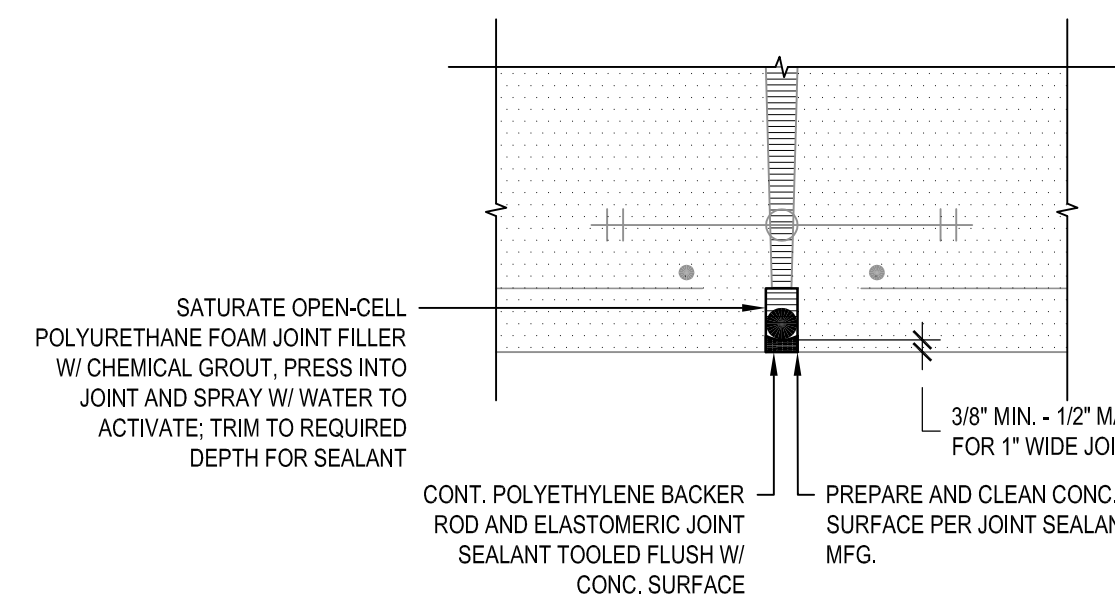
1 TYPICAL HORIZONTAL CONCRETE CRACK REPAIR
S501 N.T.S.

2 TYPICAL VERTICAL CONCRETE CRACK REPAIR
S501 N.T.S.

3 TYPICAL CONCRETE SPALL REPAIR
S501 N.T.S.



4 TYPICAL EXPANSION JOINT REMOVAL
S501 N.T.S.



5 TYPICAL EXPANSION JOINT REPAIR
S501 N.T.S.

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REVISIONS		
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1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER:	2170218
DRAWN BY:	ERL
REVIEWED BY:	JMF
ISSUED FOR:	BID DOCUMENTS
DATE:	JUNE 26, 2019
DRAWING NAME:	

**RETAINING WALL
REPAIR DETAILS**

DRAWING NUMBER:

S501

ELECTRICAL GENERAL NOTES:

- A ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL DEVICE PLACEMENT AND ELEVATIONS WITH CASEWORK SUPPLIER AND ARCHITECT PRIOR TO BEGINNING GENERAL CONTRACTOR SHALL PROVIDE ALL DRILLING AND GRAMMETING IN CASEWORK FOR CORD ACCESS IF REQUIRED.
- B COORDINATE LOCATIONS OF ALL RECEPTACLES IN MECHANICAL SPACES WITH HVAC CONTRACTOR TO AVOID CONFLICTS WITH EQUIPMENT.
- C COORDINATE LOCATION OF LIGHT FIXTURES IN MECHANICAL SPACES WITH HVAC EQUIPMENT AND DUCT WORK.
- D ALL EXPOSED CONDUIT/BOXES NEED TO BE PREPPED FOR PAINTING BY OTHERS.
- E PROVIDE FIRE-PROOFING SEALANT FOR ANY PENETRATIONS THROUGH FIRE-SAFE WALLS.
- F CLOSE-OUT: PROJECT PROVIDE TRAINING FOR APPROPRIATE DISTRICT PERSONNEL. TRAINING WILL REVIEW COMPLETE OPERATIONS AND MAINTENANCE (O&M) MANUAL, INCLUDING BUT NOT LIMITED TO PROGRAMMING AND SETUP OF ANY CONTROL SYSTEMS, REQUIRED MAINTENANCE AND TROUBLESHOOTING, INCLUDING CONTACT NAMES AND PHONE NUMBERS FOR FACTORY SUPPORT.
- G OUTAGES: A MINIMUM OF SEVEN CALENDAR DAYS, IN ADVANCE, COORDINATE ALL ELECTRICAL SERVICE OUTAGES WITH THE DISTRICT AND THE POWER COMPANY. CONFIRM OUTAGE TIMES WITH RCSD REPRESENTATIVE. IN ADVANCE, A MINIMUM OF 48 HOURS, PLAN ALL WORK SO THAT THE DURATION OF OUTAGE IS KEPT TO AN ABSOLUTE MINIMUM. PROVIDE TEMPORARY WIRING AS REQUIRED IN ORDER TO MAINTAIN CONTINUOUS SERVICE TO OCCUPIED PORTIONS OF THE BUILDING DURING BUSINESS HOURS.
- H SALVAGE: RCSD HAS FIRST RIGHTS OF SALVAGE FOR EQUIPMENT AND MATERIALS REMOVED DURING CONSTRUCTION. COORDINATE PROJECT SPECIFIC DETAILS WITH THE RCSD REPRESENTATIVE.

ELECTRICAL GENERAL DEMOLITION NOTES:

- A THIS CONTRACTOR SHALL REMOVE ONLY EXISTING ELECTRIC ITEMS IN AREAS OF RENOVATIONS, UNLESS OTHERWISE NOTED, TO ACCOMMODATE THE NEW CONSTRUCTION. REMOVING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION, OR INTERFERENCE WITH OTHER NEW WORK, AS NOTED BELOW.
- B DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE, WIRING & CIRCUITRY ARE NOT SHOWN BUT SHALL BE INCLUDED. THE ELECTRICAL CONTRACTOR SHALL REMOVE, RELOCATE, OR REROUTE ADDITIONAL ITEMS NOT INDICATED BUT NECESSARY FOR PROJECT RENOVATIONS, THEREFORE, THE ELECTRICAL CONTRACTOR SHALL ASSUME WITHIN HIS BASE BID A NOMINAL AMOUNT OF UNKNOWN BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING, WITHIN WALLS OR OPENINGS BEING REMOVED OR RELOCATIONS REQUIRED FOR NEW WORK.
- C WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT, ALL SUPPORT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD. IF CIRCUITS ARE FOUND THAT HAVE OTHER ITEMS ON THEM THAT ARE TO REMAIN, THESE CIRCUITS SHALL REMAIN. MAINTAIN CIRCUIT CONTINUITY TO FEED THRU TO ANY REMAINING DEVICES, FIXTURES, EQUIPMENT, ETC. RELOCATE ANY CIRCUITS THAT ARE TO REMAIN, AS REQUIRED, TO AVOID CONFLICT WITH NEW CONSTRUCTION, PROPERLY TERMINATE ALL WIRING.
- D MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING REMAINING ELECTRICAL SYSTEMS PASSING THRU RENOVATED SPACES OR WHERE ONLY A PORTION OF A CIRCUIT IS REMOVED. EXISTING SYSTEMS IN THIS BUILDING INCLUDE POWER DISTRIBUTION AND LIGHTING INCLUDING EMERGENCY POWER, FIRE ALARM SYSTEM & PUBLIC ADDRESS/INTERCOM/TELEPHONE SYSTEM.
- E REFER TO ARCHITECTURAL DEMOLITION DRAWINGS & NOTES FOR COORDINATION.
- F VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL DEMOLITION WORK REQUIRED TO COMPLETE THE NEW CONSTRUCTION. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION & EXISTING BUILDING CONSTRUCTION DOCUMENTS. OTHER ITEMS MAY EXIST.

ELECTRICAL ABBREVIATIONS

- AFV ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- ATS AUTOMATIC TRANSFER SWITCH
- BLDG. BUILDING
- C CONDUIT (OR "COVER" WHEN NEXT TO A FIRE ALARM DEVICE)
- CB CIRCUIT BREAKER
- CKT. CIRCUIT
- DISC DISCONNECT SWITCH
- E.C. ELECTRICAL SUB CONTRACTOR
- ECB ENCLOSED CIRCUIT BREAKER
- EMT ELECTRIC METAL TUBING
- ER INDICATES REMOVE EXISTING DEVICE AND RELOCATE
- EXR EXISTING TO REMAIN
- EX EXISTING
- FA FIRE ALARM
- FACP FIRE ALARM CONTROL PANEL
- FANP FIRE ALARM ANNUNCIATOR PANEL
- G.C. GENERAL CONTRACTOR
- GND, GR GROUND
- HP HORSEPOWER
- JB JUNCTION BOX
- KVA KILOVOLT AMPERES
- KW KILOWATT
- LCP LIGHTING CONTROL PANEL
- MCA MINIMUM CIRCUIT AMPACITY
- MCB MAIN CIRCUIT BREAKER
- MCC MOTOR CONTROL CENTER
- MLO MAIN LUGS ONLY
- MTD MOUNTED
- MTG MOUNTING
- (N) INDICATES NEW DEVICE
- N.C. NORMALLY CLOSED CONTACT
- N.O. NORMALLY OPEN CONTACT
- NIC NOT IN CONTACT
- NTS NOT TO SCALE
- OL OVERLOAD
- Ø PHASE
- P POLE
- RECEP. RECEPTACLE
- REL RELOCATE

DEMOLITION LEGEND

- EX RECESSED LIGHT FIXTURE
- ⊕ DUPLEX RECEPTACLE
- ⊕ LIGHT SWITCH
- ⊕ GFCI OUTLET
- ⊕ TELEPHONE JACK
- ⊕ KILOWATT
- ⊕ SPECIAL PURPOSE OUTLET
- ⊕ SMOKE DETECTOR
- ⊕ SURFACE MOUNTED LIGHT
- ⊕ BOUNDARY OF DEMOLITION
- ⊕ KEY PAD (RETURN TO OWNER)
- ⊕ ELECTRICAL CONTROL DEVICE
- ⊕ MONITOR
- ⊕ POWER PANEL
- ⊕ SECURITY CAMERA (RETURN TO OWNER)
- ⊕ EQUIPMENT CONNECTION
- ⊕ PHASE
- ⊕ HANDICAPPED PUSH BUTTON
- ⊕ MAG LOCK (RETURN TO OWNER)

LIGHTING

- LUMINAIRE, TYPE INDICATED IN CAPITAL LETTER
- LOWER CASE LETTER INDICATES SWITCHING CIRCUIT REFER TO LUMINAIRE SCHEDULE FOR DESCRIPTION
- LUMINAIRE CONNECTED TO LOCAL UNSWITCHED LIGHTING CIRCUIT.
- EMERGENCY LIGHT
- SITE LIGHTING FIXTURE REFER TO SITE LIGHTING SCHEDULE FOR DESCRIPTION
- EXIT LIGHT, WALL MOUNT, DIRECTIONAL ARROWS AS INDICATED ON PLANS
- EXIT LIGHT, CEILING MOUNT, DIRECTIONAL ARROWS AS INDICATED ON PLANS
- SWITCH, TOGGLE, 20 AMP, 120 VAC, SINGLE CIRCUIT
- SWITCH, TOGGLE, 20 AMP, 120 VAC, TWO CIRCUIT
- SWITCH, LOW VOLTAGE
- SWITCH, OCCUPANCY SENSING TYPE, SINGLE CIRCUIT
- SWITCH, OCCUPANCY SENSING TYPE, TWO CIRCUIT
- UL924 LOAD TRANSFER DEVICE- PROVIDE LOCAL SWITCHED AND UNSWITCHED CIRCUITRY AS WELL AS UNSWITCHED EMERGENCY CIRCUITRY TO DEVICE. TO POWER ALL EMERGENCY FIXTURES IN SPACE
- OCCUPANCY SENSOR, CEILING MOUNTED PROVIDE POWER PACK AS REQUIRED

SYMBOL LIST

- DUPLEX RECEPTACLE, 2P, 3W, 20AMP, 120VAC.
- SINGLE RECEPTACLE, 2P, 3W, 20AMP, 120VAC
- C - INDICATES ABOVE COUNTER, COORDINATE WITH G.C.
- UC - INDICATES UNDER COUNTER, COORDINATE WITH G.C.
- WC - INDICATES WATER COOLER RECEPTACLE, COORDINATE WITH P.C.
- V - INDICATES VENDING MACHINE RECEPTACLE
- TV - INDICATES TELEVISION/MONITOR OUTLET AT CEILING
- IS - INDICATES ISOLATED GROUND TYPE
- +x" - INDICATES HEIGHT OF RECEPTACLE ABOVE FINISHED FLOOR
- EX - INDICATES EXISTING DEVICE
- M - INDICATES MICROWAVE RECEPTACLE
- P - INDICATES PROJECTOR RECEPTACLE AT CEILING
- R - INDICATES REFRIGERATOR RECEPTACLE
- USB - INDICATES RECEPTACLE WITH USB PORT
- DUPLEX RECEPTACLE, GFCI PROTECTED
- C - INDICATES ABOVE SINK OR COUNTER, COORDINATE WITH G.C.
- WP - INDICATES WEATHERPROOF COVER
- +x" - INDICATES HEIGHT OF RECEPTACLE
- QUADPLEX RECEPTACLE, 2P, 3W, 20 AMP, 120 VAC, GFCI FLOOR RECEPTACLE/OUTLET
- JUNCTION BOX
- TRANSFORMER AS SCHEDULED
- MOTOR RATED SWITCH, 120V, 20A
- MAGNETIC STARTER, NEMA SIZE INDICATED
- DISCONNECT SWITCH, NON-FUSIBLE SWITCH SIZE INDICATED
- DISCONNECT SWITCH, FUSIBLE FUSE/SWITCH SIZE INDICATED
- COMBINATION MOTOR STARTER, NON-FUSIBLE NEMA SIZE INDICATED
- COMBINATION MOTOR STARTER, FUSIBLE NEMA SIZE FUSE SIZE INDICATED
- ENCLOSED CIRCUIT BREAKER, 3POLE, RATING INDICATED
- CONTRACTOR, 120VAC, NEMA 1 ENCL. NUMBER OF POLES AS REQUIRED.
- MANUAL MOTOR STARTER
- REVERSE ACTING THERMOSTAT FURNISHED BY MECHANICAL CONTRACTOR, INSTALLATION BY ELECTRICAL CONTRACTOR
- FAN SPEED CONTROLLER FURNISHED BY MECHANICAL CONTRACTOR, INSTALLATION BY ELECTRICAL CONTRACTOR
- PULL BOX
- LOW VOLTAGE CONTROL WIRING BETWEEN DEVICES
- CONDUIT AND WIRING BELOW GRADE OR FINISHED FLOOR
- CONDUIT AND WIRING FOR EMERGENCY CIRCUIT, 2 #12 AWG IN 1/2 CONDUIT UNLESS OTHERWISE INDICATED.
- HOME RUN TO PANEL, CIRCUIT NUMBER INDICATED
- PANELBOARD DESIGNATION
- BRANCH CIRCUIT PANELBOARD, 20BY120V, 3Ø, 4W
- DISTRIBUTION PANELBOARD, NOMINAL 600V RATING, 3Ø, 4W
- BRANCH CIRCUIT PANELBOARD, 48BY277V, 3Ø, 4W
- COPPER AIR TERMINAL
- GROUND ROD CONNECTION
- BOND CONNECTION TO COPPER CABLE
- BASKET WEAVE COPPER CABLE

FIRE ALARM

- HEAT DETECTOR, ADDRESSABLE
- CO BASE HEAT DETECTOR, ADDRESSABLE
- SMOKE DETECTOR, ADDRESSABLE
- SMOKE DETECTOR, ADDRESSABLE, DUCT TYPE, MECHANICAL UNIT INDICATED
- SMOKE DETECTOR ALSO FOR SMOKE DAMPER OPERATION, ADDRESSABLE
- CO BASED SMOKE DETECTOR, ADDRESSABLE
- FIRE ALARM STROBE UNIT, WALL MOUNTED STROBE CANDELA INDICATED
- COMBINATION FIRE ALARM HORN/STROBE UNIT, STROBE CANDELA INDICATED
- FAN SHUTDOWN RELAY
- FIRE SMOKE DAMPER RELAY

DESIGN BASE: SQUARE D ----- OR APPROVED EQUAL		PANEL SCHEDULE										S.C. RATING: 14,000 Amps RMS SYM. SERVICE: 277/480V, 3Ø, 4W MOUNTING: SURFACE FEED: EXISTING		
LOCATION: LOADING DOCK		LP1E												
RATING: --- Amps														
MAIN: 225 Amp MLO														
CKT.	LOAD DESIGNATION	LOAD (KVA)	WIRE SIZE	BREAKER TRIP	POLE	PHASE A	PHASE B	PHASE C	BREAKER TRIP	POLE	WIRE SIZE	LOAD (KVA)	LOAD DESIGNATION	CKT.
1													SPACE	2
3	EXISTING LOAD												SPACE	4
5													SPACE	6
7	EXISTING LOAD												EXISTING LOAD	8
9	EXISTING LOAD												EXISTING LOAD	10
11													EXISTING LOAD	12
13	SPACE												EXISTING LOAD	14
15	EXISTING LOAD												EXISTING LOAD	16
17	EXISTING LOAD												EXISTING LOAD	18
19	EXISTING LOAD												EXISTING LOAD	20
21	SPACE												EXISTING LOAD	22
23	SPACE												EXISTING LOAD	24
25	EXISTING LOAD												SPACE	26
27	EXISTING LOAD												EXISTING LOAD	28
29	EXISTING LOAD												EXISTING LOAD	30
31	EXISTING LOAD												EXISTING LOAD	32
33	SPACE												EXISTING LOAD	34
35	SPACE												SPACE	36
37			#10AWG								#10 AWG			38
39	WEST P LOT LTG		#10AWG	20					20		#10 AWG		EAST P LOT	40
41			#10AWG								#10 AWG			42

BUILDING LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMPS	LUMENS (MIN)	WATTS (MAX)	CRI (MIN)	CCT	DRIVER	DISTRIBUTION	MOUNTING	MT. HEIGHT	DESIGN BASE	REMARKS
A	2X2 RECESSED DIRECT/INDIRECT	WHITE LED	2,500	20.2	80	4000	UNV	-	RECESSED	-	METALLUX 22ALING SERIES	CURVED SHIELDING, 0-10V DIMMING DRIVER EXCEPT IN RESTROOMS AND CORRIDORS
B	4 FT LENSED LED STRIPLIGHT	WHITE LED	3,805	30.6	80	4000	UNV	-	SUSPENDED	10'	METALLUX SILEN LENSED	LENSED, Y TOGGLE ACCESSORY

SITE LUMINAIRE SCHEDULE

TYPE	LAMP NO.	LAMP TYPE	DESIGN BASE	MIN. LUMEN OUTPUT	WATTS (MAX)	DESCRIPTION	FINISH	CRI	ARRANGEMENT	ACCESSORIES	DESCRIPTION	HEIGHT	MFR/CATALOG #
A	-	LED	MC GRAW EDISON-GLEON AF-02 SERIES	12,050	113	EXTRUDED ALUMINUM LED AREA LUMINAIRE, FULL CUTOFF MAST ARM MOUNT, TYPE IV WIDE THROW, IP 66 RATED, DLC LISTED, LM79/LM80 COMPLIANT	DARK BRONZE TO MATCH SOUTH LOT LUMINAIRES	80	SINGLE	PHOTOCCELL	4" SQUARE STRAIGHT, ALUMINUM, FINISH TO MATCH HEAD	25 FT	
B	-	LED	MC GRAW EDISON-GLEON AF-03 SERIES	18,000	166	EXTRUDED ALUMINUM LED AREA LUMINAIRE, FULL CUTOFF MAST ARM MOUNT, TYPE IV WIDE THROW, IP 66 RATED, DLC LISTED, LM79/LM80 COMPLIANT	DARK BRONZE TO MATCH SOUTH LOT LUMINAIRES	80	SINGLE	PHOTOCCELL		25 FT	
C	-	LED	MC GRAW EDISON-GLEON AF-02 SERIES	12,200	113	EXTRUDED ALUMINUM LED AREA LUMINAIRE, FULL CUTOFF MAST ARM MOUNT, TYPE IV FORWARD THROW, IP 66 RATED, DLC LISTED, LM79/LM80 COMPLIANT	DARK BRONZE TO MATCH SOUTH LOT LUMINAIRES	80	SINGLE	PHOTOCCELL		20 FT	
D	-	LED	MC GRAW EDISON-GLEON AF-01 SERIES	6,300	59	FIELD ADJUSTABLE EXTRUDED ALUMINUM LED AREA LUMINAIRE, TYPE IV WIDE THROW, IP 66 RATED, LM79/LM80 COMPLIANT	DARK BRONZE TO MATCH SOUTH LOT LUMINAIRES	80	SINGLE	PHOTOCCELL		15 FT	
E	-	LED	MC GRAW EDISON-GLEON AF-01 SERIES	6,300	59	FIELD ADJUSTABLE EXTRUDED ALUMINUM LED AREA LUMINAIRE, TYPE IV WIDE THROW, IP 66 RATED, LM79/LM80 COMPLIANT	DARK BRONZE TO MATCH SOUTH LOT LUMINAIRES	80	SINGLE	PHOTOCCELL		12FT	
F	-	LED	MC GRAW EDISON-GLEON AF-01 SERIES	6,300	59	FIELD ADJUSTABLE EXTRUDED ALUMINUM LED AREA LUMINAIRE, TYPE IV WIDE THROW, IP 66 RATED, LM79/LM80 COMPLIANT	DARK BRONZE TO MATCH SOUTH LOT LUMINAIRES	80	SINGLE	PHOTOCCELL		20FT	
G	-	LED	MC GRAW EDISON-GLEON AF-02 SERIES	12,050	113	FIELD ADJUSTABLE EXTRUDED ALUMINUM LED AREA LUMINAIRE, TYPE IV WIDE THROW, IP 66 RATED, LM79/LM80 COMPLIANT	DARK BRONZE TO MATCH SOUTH LOT LUMINAIRES	80	SINGLE	PHOTOCCELL		20FT	
H	-	LED	MC GRAW EDISON-GLEON AF-02 SERIES	12,050	113	FIELD ADJUSTABLE EXTRUDED ALUMINUM LED AREA LUMINAIRE, TYPE IV WIDE THROW, IP 66 RATED, LM79/LM80 COMPLIANT	DARK BRONZE TO MATCH SOUTH LOT LUMINAIRES	80	SINGLE	PHOTOCCELL		15FT	

- NOTES:
- LUMINAIRES TO BE CONTROLLED BY EXISTING BUILDING TIME CLOCK (ON LOADING DOCK) AND OVERRIDE BY INTEGRAL PHOTOSENSING DEVICE SPECIFIED. PROVIDE ONLY (1) PHOTOCCELL PER CIRCUIT.
 - POLE HEIGHTS ARE BASES OF DESIGN, WHERE REUSING EXISTING POLE BASES. EXISTING POLE HEIGHT MUST BE MATCH.
 - WHERE EXISTING CIRCUITRY IS TO BE REUSED, LUMINAIRES MUST BE ORDERED TO MATCH EXISTING VOLTAGE, PHASING AND CONFIGURATION.

EQUIPMENT CONNECTION SCHEDULE

LABEL	DESCRIPTION	LOCATION	LOAD	FLA	VOLTS, PHASE	FEED	CIRCUIT BREAKER	WIRE & CONDUIT	CONTROLLER TYPE	CONTROLLER SIZE	CONTROLLER ACCESSORIES	DISCONNECT	REMARKS
DH-1	DEHUMIDIFIER	POOL EQUIPMENT ROOM	2 HP	23.3	480V, 3PH	LP-01A, CKT #22,24,26	30A-3P	3#10 AWG AND (1) #10 GND IN 3/4" C	PROVIDED WITH UNIT	N/A	N/A	PROVIDED WITH UNIT	PROVIDE NEW WIRING/CIRCUITING, CIRCUIT BREAKER FOR SIEMENS PANEL, VFD AND DISCONNECT.
P-DH-1	DEHUMIDIFIER PUMP	POOL EQUIPMENT ROOM	3/4 HP	1.6	480V, 3PH	LP-01A, CKT #1,3,5	15A-3P	3#12 AWG AND (1) #12 GND IN 3/4" C	PROVIDED WITH UNIT	N/A	N/A	15A	PROVIDE NEW WIRING/CIRCUITING, CIRCUIT BREAKER FOR SIEMENS PANEL, VFD AND DISCONNECT.
012-47P	PUMP	POOL EQUIPMENT ROOM	1/2 HP	1.1	480V, 3PH	MCC 014	15A-3P	3#12 AWG AND (1) #12 GND IN 3/4" C	PROVIDED WITH UNIT	N/A	N/A	15A	PROVIDE NEW WIRING, DISCONNECT AND SQUARE D OVERCURRENT PROTECTION IN MCC014, PROVIDE ELECTRICAL CONNECTION TO CONTROLLER SUPPLIED BY OTHERS.
014-46P	PUMP	POOL EQUIPMENT ROOM	3/4 HP	1.6	480V, 3PH	MCC 014	15A-3P	3#12 AWG AND (1) #12 GND IN 3/4" C	PROVIDED WITH UNIT	N/A	N/A	15A	PROVIDE NEW WIRING, DISCONNECT AND SQUARE D OVERCURRENT PROTECTION IN MCC014, PROVIDE ELECTRICAL CONNECTION TO CONTROLLER SUPPLIED BY OTHERS.
EF-1	EXHAUST FAN	MECHANICAL ROOM	5 HP	7.6	480V, 3PH	LP-08, CKT #8,10,12	15A-3P	3#12 AWG AND (1) #12 GND IN 3/4" C	PROVIDE ABB VFD	N/A	N/A	15A	REUSE EXISTING WIRING/CIRCUITING BUT PROVIDE NEW CIRCUIT BREAKER FOR SQUARE D PANEL, VFD AND DISCONNECT.
EF-3-37	EXHAUST FAN	PENTHOUSE 3	2 HP	3.4	480V, 3PH	MCC 43	15A-3P	3#12 AWG AND (1) #12 GND IN 3/4" C	PROVIDED WITH UNIT	N/A	N/A	15A	PROVIDE NEW WIRING, DISCONNECT AND SQUARE D OVERCURRENT PROTECTION IN MCC 43, PROVIDE ELECTRICAL CONNECTION TO CONTROLLER SUPPLIED BY OTHERS.
CWP-3	CHILLER PUMP	MECHANICAL ROOM	40 HP	52	480V, 3PH	LP-09, CKT #1,3,5	90A-3P	3#4 AWG AND (1) #8 GND IN 1 1/4" C	PROVIDE ABB VFD	N/A	N/A	100A	PROVIDE NEW WIRING/CIRCUITING, CIRCUIT BREAKER FOR SQUARE D PANEL, VFD AND DISCONNECT.
CWP-4	CHILLER PUMP	MECHANICAL ROOM	40 HP	52	480V, 3PH	LP-09, CKT #7,9,11	90A-3P	3#4 AWG AND (1) #8 GND IN 1 1/4" C	PROVIDE ABB VFD	N/A	N/A	100A	PROVIDE NEW WIRING/CIRCUITING, CIRCUIT BREAKER FOR SQUARE D PANEL, VFD AND DISCONNECT.
CWP-5	CHILLER PUMP	MECHANICAL ROOM	40 HP	52	480V, 3PH	LP-10, CKT #32,34,36	90A-3P	3#4 AWG AND (1) #8 GND IN 1 1/4" C	PROVIDE ABB VFD	N/A	N/A	100A	PROVIDE NEW WIRING/CIRCUITING, CIRCUIT BREAKER FOR SQUARE D PANEL, VFD AND DISCONNECT.
AHU-6-35	AIR HANDLING UNIT	MECHANICAL ROOM	5 HP	6.6	480V, 3PH	MCC 08	15A-3P	3#12 AWG AND (1) #12 GND IN 3/4" C	PROVIDED WITH UNIT	N/A	N/A	15A	PROVIDE NEW WIRING, DISCONNECT AND SQUARE D OVERCURRENT PROTECTION IN MCC 08, PROVIDE ELECTRICAL CONNECTION TO CONTROLLER SUPPLIED BY OTHERS.
AHU-5-31	AIR HANDLING UNIT	PENTHOUSE 5	10 HP	50	480V, 3PH	MCC 45	60A-3P	3#6 AWG AND (1) #10 GND IN 1" C	PROVIDED WITH UNIT	N/A	N/A	PROVIDED WITH UNIT	PROVIDE AN ADDITIONAL 120V/1PH/20A CIRCUIT FROM AVAILABLE SPACES IN NEAREST PANELBOARD. PROVIDE NEW WIRING AND SQUARE D OVERCURRENT PROTECTION IN MCC 45, PROVIDE ELECTRICAL CONNECTION TO CONTROLLER AND DISCONNECT SUPPLIED BY OTHERS.
AHU-1-6	AIR HANDLING UNIT	PENTHOUSE 1	10 HP	54	480V, 3PH	MCC 41	60A-3P	3#6 AWG AND (1) #10 GND IN 1" C	PROVIDED WITH UNIT	N/A	N/A	PROVIDED WITH UNIT	PROVIDE NEW WIRING/CIRCUITING AND SQUARE D OVERCURRENT PROTECTION IN MCC 41, PROVIDE ELECTRICAL CONNECTION TO CONTROLLER AND DISCONNECT SUPPLIED BY OTHERS, PROVIDE AN ADDITIONAL 120V/1PH/20A CIRCUIT FROM AVAILABLE SPACES IN NEAREST PANELBOARD.
ACC-1	AIR COOLED CHILLER	ROOF	-	1098	480V, 3PH	MAIN SWITCHGEAR	1200A-3P	(3) SETS OF 500KCMIL AND (1) 3/0 IN 4" C	PROVIDED WITH UNIT	N/A	N/A	PROVIDED WITH UNIT	PROVIDE NEW WIRING AND SIEMENS BPS SWITCH IN MAINSWITCHGEAR, PROVIDE ELECTRICAL CONNECTION TO CONTROLLER AND DISCONNECT SUPPLIED BY OTHERS, REFER TO ELECTRICAL SITE PLAN FOR MAIN SWITCHGEAR LOCATION.
ACC-2	AIR COOLED CHILLER	ROOF	-	1098	480V, 3PH	MAIN SWITCHGEAR	1200A-3P	(3) SETS OF 500KCMIL AND (1) 3/0 IN 4" C	PROVIDED WITH UNIT	N/A	N/A	PROVIDED WITH UNIT	PROVIDE NEW WIRING AND SIEMENS BPS SWITCH IN MAINSWITCHGEAR, PROVIDE ELECTRICAL CONNECTION TO CONTROLLER AND DISCONNECT SUPPLIED BY OTHERS, REFER TO ELECTRICAL SITE PLAN FOR MAIN SWITCHGEAR LOCATION.
ACC-3	AIR COOLED CHILLER	ROOF	-	105	480V, 3PH	MCC 42	125A-3P	3#2 AWG AND (1) #6 GND IN 1 1/2" C	PROVIDED WITH UNIT	N/A	N/A	PROVIDED WITH UNIT	PROVIDE NEW WIRING AND SQUARE D OVERCURRENT PROTECTION IN MCC 42, PROVIDE ELECTRICAL CONNECTION TO CONTROLLER AND DISCONNECT SUPPLIED BY OTHERS.
CWP-1	CHILLER PUMP	PENTHOUSE 1	20 HP	27	480V, 3PH	MCC 41	60A-3P	3#6 AWG AND (1) #10 GND IN 1" C	PROVIDE ABB VFD	N/A	N/A	30A	PROVIDE NEW WIRING, DISCONNECT, CONTROLLER AND SQUARE D OVERCURRENT PROTECTION IN MCC 41.
CWP-2	CHILLER PUMP	PENTHOUSE 1	20 HP	27	480V, 3PH	MCC 41	60A-3P	3#6 AWG AND (1) #10 GND IN 1" C	PROVIDE ABB VFD	N/A	N/A	30A	PROVIDE NEW WIRING, DISCONNECT, CONTROLLER AND SQUARE D OVERCURRENT PROTECTION IN MCC 41.

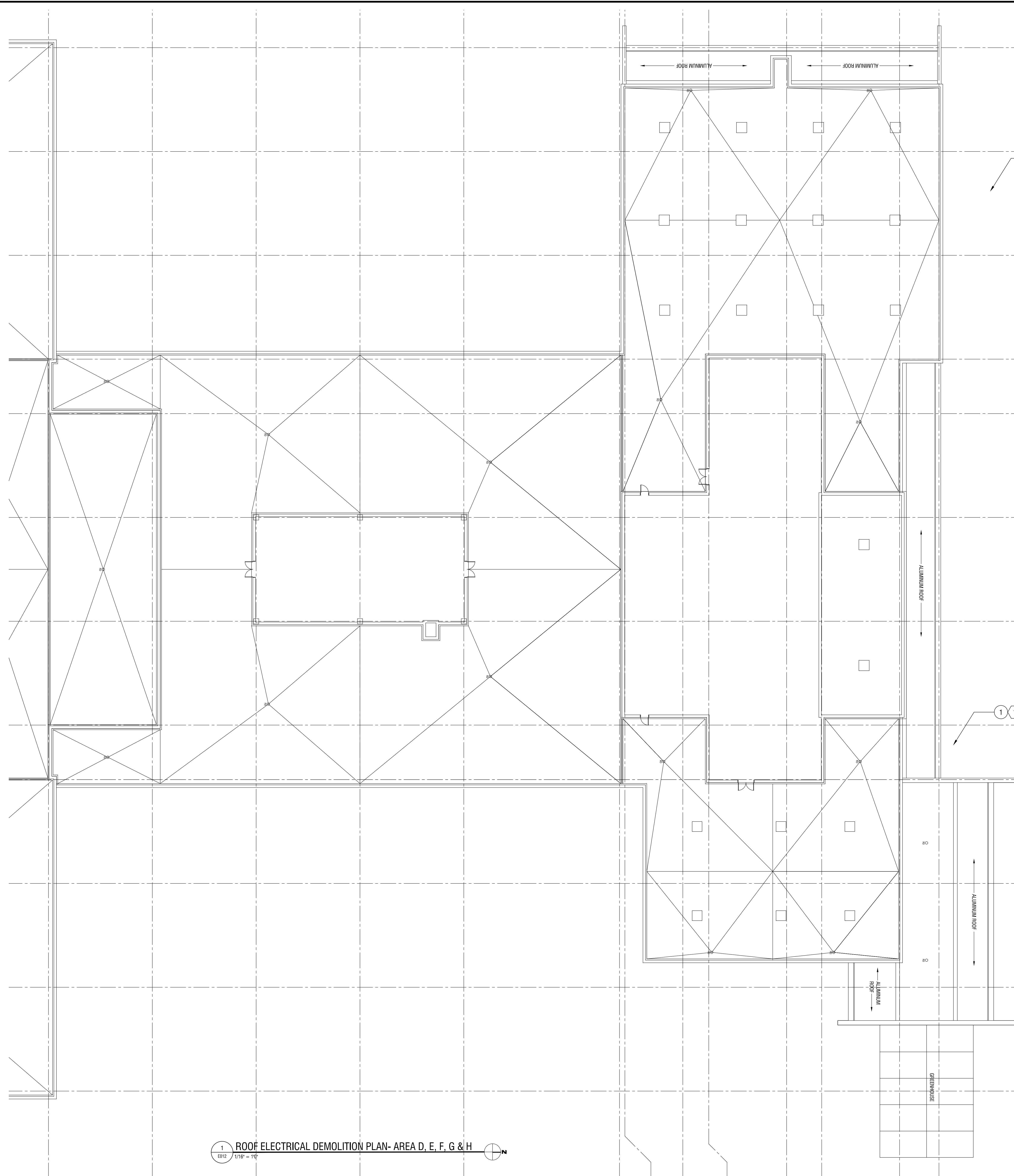
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Date & Time: 6/26/2019 11:16 AM By: Hermann-Bauer, Melissa File: J:\Rochester Joint Schools Construction Board\2170218 - Edison Tech Phase 2\Drawings\MEP\Edison Tech Phase 2\Drawings\MEP\Edison Tech Phase 2\Roof Electrical Demolition Plan Lightning Protection.dwg



1 ROOF ELECTRICAL DEMOLITION PLAN- AREA D, E, F, G & H
6012 1/16" = 1'-0"

GENERAL LIGHTNING PROTECTION NOTES

1. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH U.L. 96A, NFPA 780 AND ANSI CODE REQUIREMENTS.
2. CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE, FREE FROM "U" OR "V" (UP AND DOWN) POCKETS.
3. NO BEND OF A CONDUCTOR SHALL HAVE A BEND RADIUS OF LESS THAN 8 INCHES.
4. ACTUAL JOB SITE CONDITIONS SHALL REQUIRE SLIGHT ALTERATIONS IN AIR TERMINAL AND GROUND ROD LOCATIONS.
5. BARE COPPER MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM SURFACE AND ALUMINUM MATERIALS SHALL NOT BE INSTALLED ON COPPER SURFACE. ALUMINUM COMPONENTS SHALL NOT BE IN DIRECT CONTACT WITH EARTH. ALUMINUM DOWN CONDUCTORS SHALL BE CONNECTED TO COPPER CONDUCTORS USING BIMETALLIC FITTINGS WITHIN 18 INCHES OF EARTH.
6. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A NEAT WORKMANLIKE AND INCONSPICUOUS MANNER SO THAT ALL COMPONENTS WILL BLEND IN WITH BUILDING AESTHETICS.
7. ALL ADHESIVE AIR TERMINALS BASES AND FITTINGS SHALL BE SECURED TO ROOF WITH AN ADHESIVE COMPOUND OR PITCH WHICH COMPLIES WITH ROOFING BOND REQUIREMENTS. ATTACHMENT OF CABLE SECURED TO AIR TERMINALS, AND BUILDING SHALL BE SECURED ALONG THE CABLE RUN AND ATTACHMENTS AND SHALL NOT BE MORE THAN 3 FT APART.
8. EACH INDIVIDUAL ITEM OF THE LIGHTNING PROTECTION SYSTEM IS NOT LABELED FOR SAKE OF CLARITY. ITEMS ARE INDICATED AT RANDOM LOCATIONS ONLY. PROVIDE A COMPLETE SYSTEM THAT SHALL INCLUDE A UL "MASTER LABEL" CERTIFICATION.
9. CONDUCTOR SUPPORTS SHALL BE CORROSION RESISTANT TYPE.
10. WHERE TERMINALS GREATER THAN 24 INCHES IN HEIGHT ARE USED, THEY SHALL BE SUPPORTED AT A POINT AT LEAST HALF THE HEIGHT OF THE ROD AND BE SPACED MORE THAN 20 BUT NOT LESS THAN 25 FEET APART FOR PERIMETER PROTECTION.
11. METAL BODIES WITHIN 6'-0" OF THE LIGHTNING PROTECTION SYSTEM SHALL BE BONDED TO THE SYSTEM IN ACCORDANCE WITH UL96A.
12. ALL LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE LISTED, EXCEPTING HARDWARE SCREWS, BOLTS, ETC.
13. MAIN SIZE CONDUCTORS USED FOR BONDING OTHER SYSTEMS TO INCLUDE BUT NOT LIMITED TO: METALLIC WATER SYSTEMS, STEAM OR HOT WATER HEATING SYSTEMS, ELECTRIC SERVICES, TELEPHONE SYSTEMS, ANTENNA GROUNDS, OTHER LARGE UNGROUNDED METALLIC MASSES SHALL NOT BE SMALLER THAN 6 AWG.

DEMOLITION NOTES

- 1 DISCONNECT AND REMOVE LIGHTNING PROTECTION WIRING LAID ON GROUND WITH CARE FOR ROOF WORK. STORE IN A SECURE LOCATION AND PROTECT FROM DEMOLITION WORK.

KEY NOTES

- 1 INSTALL LIGHTNING PROTECTION WIRING AS INDICATED ON ROOF PLAN.



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**ROCHESTER SCHOOLS
MODERNIZATION PROGRAM**

1776 N. CLINTON AVE
ROCHESTER, NY 14621

EDISON TECHNICAL SCHOOL
655 COLFAX STREET
ROCHESTER, NY 14606

SED NO. 26-16-00-01-0-111-032
DWT NO. 26-16-00-01-7-999-020

NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

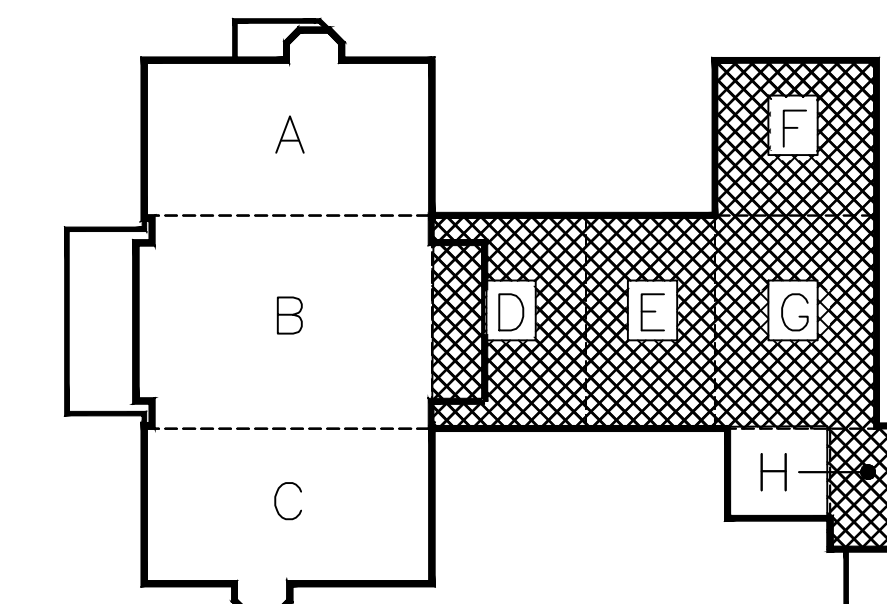
DRAWN BY: VP
REVIEWED BY: MVR

ISSUED FOR: BID DOCUMENTS

DATE: JUNE 26, 2019

DRAWING NAME:
**ROOF
ELECTRICAL
DEMOLITION PLAN-
LIGHTNING PROTECTION
AREA D, E, F, G, & H**

DRAWING NUMBER:



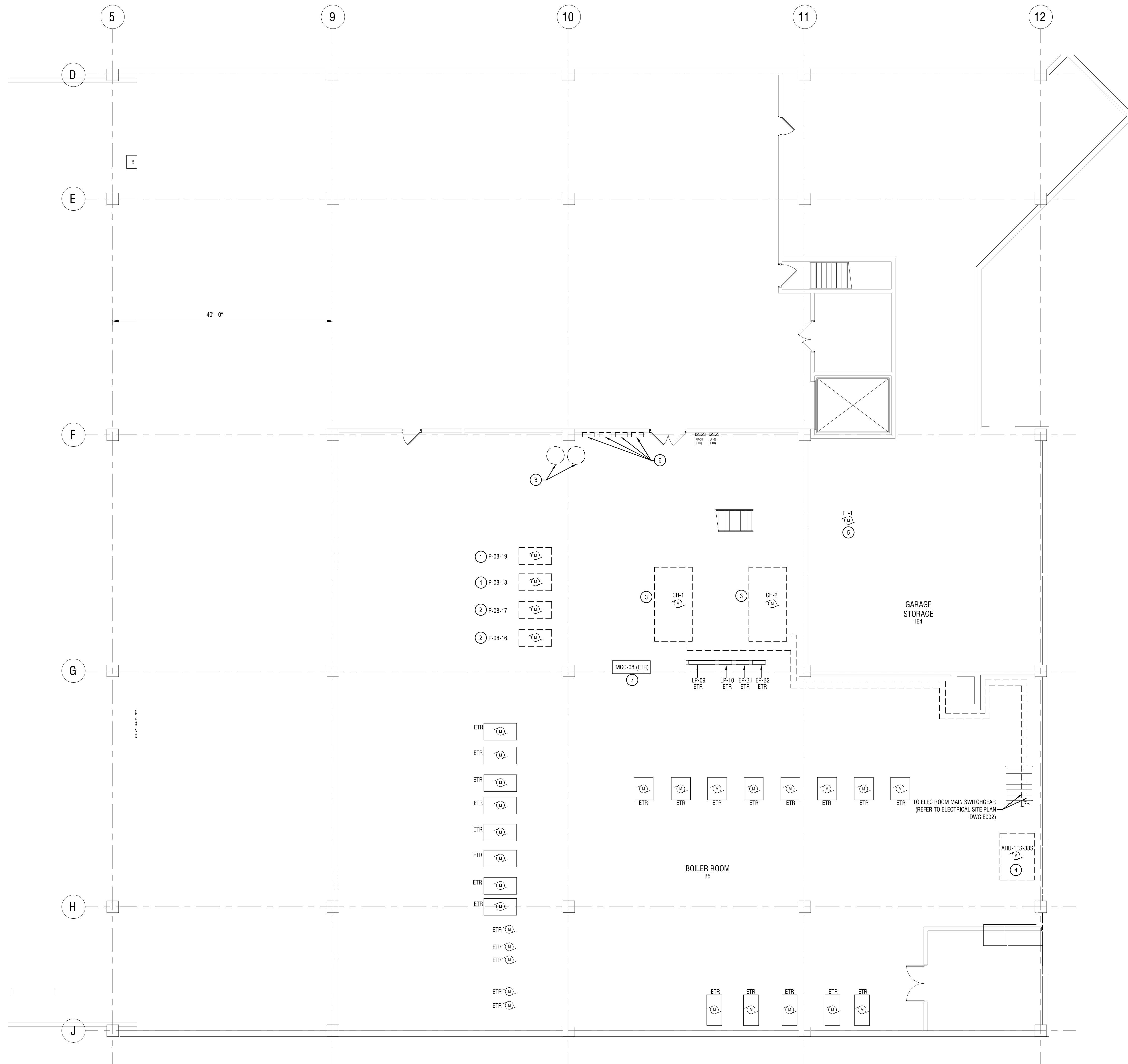
KEY PLAN
N.T.S.

E012

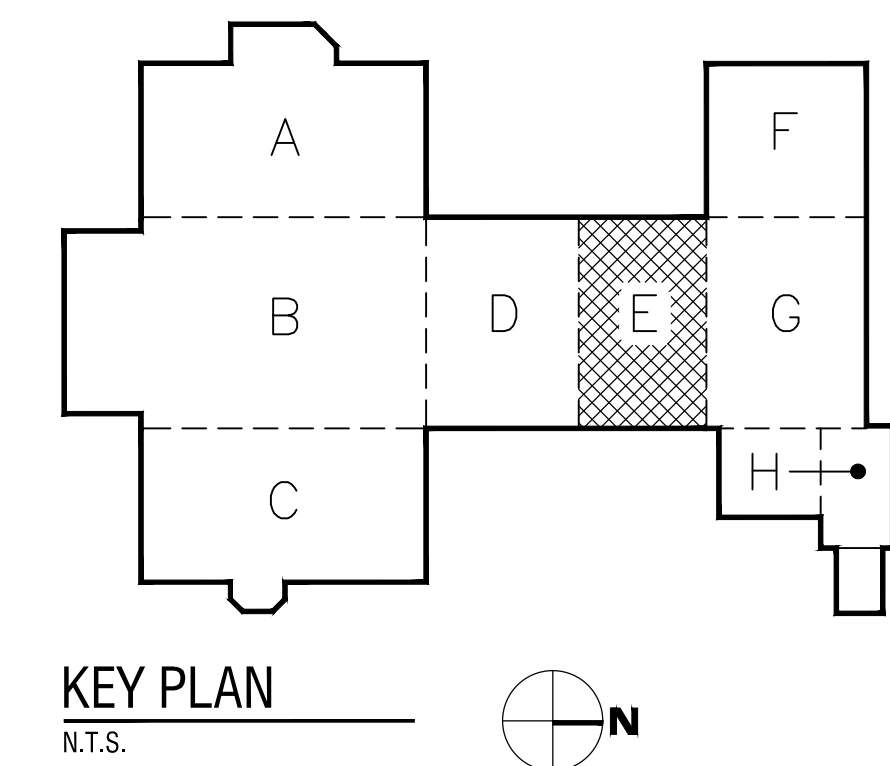


ELECTRIC DEMOLITION NOTES:

- 1 REMOVE POWER TO EXISTING PUMP, DISCONNECT SWITCH AND ALL ASSOCIATED WIRING BACK TO LP-09.
- 2 REMOVE POWER TO EXISTING PUMP AND WIRING BACK TO MCC-08.
- 3 REMOVE POWER TO EXISTING CHILLER UNIT, WIRING BACK TO MAIN SWITCHGEAR, DISCONNECT AND BREAKER.
- 4 REMOVE POWER TO EXISTING AHU, DISCONNECT AND WIRING BACK TO MCC-08.
- 5 REMOVE POWER TO EXISTING EXHAUST FAN, DISCONNECT AND WIRING BACK TO LP-08.
- 6 REMOVE POWER TO EXISTING EQUIPMENT AND ELECTRICAL CONNECTIONS.
- 7 REMOVE MOTOR CONTROLS FOR UNITS BEING REPLACED FROM MCC TUBES. PROVIDE NEW REPLACEMENT BREAKERS AS INDICATED IN SCHEDULE IN DWG E000.



1 MECHANICAL ROOM ELECTRICAL DEMOLITION PLAN
E101 1/8"=1'-0"



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REVISIONS		
NO.	DATE	DESCRIPTION
-	-	-
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

DRAWN BY: MHB

REVIEWED BY: MVR

ISSUED FOR: BID DOCUMENTS

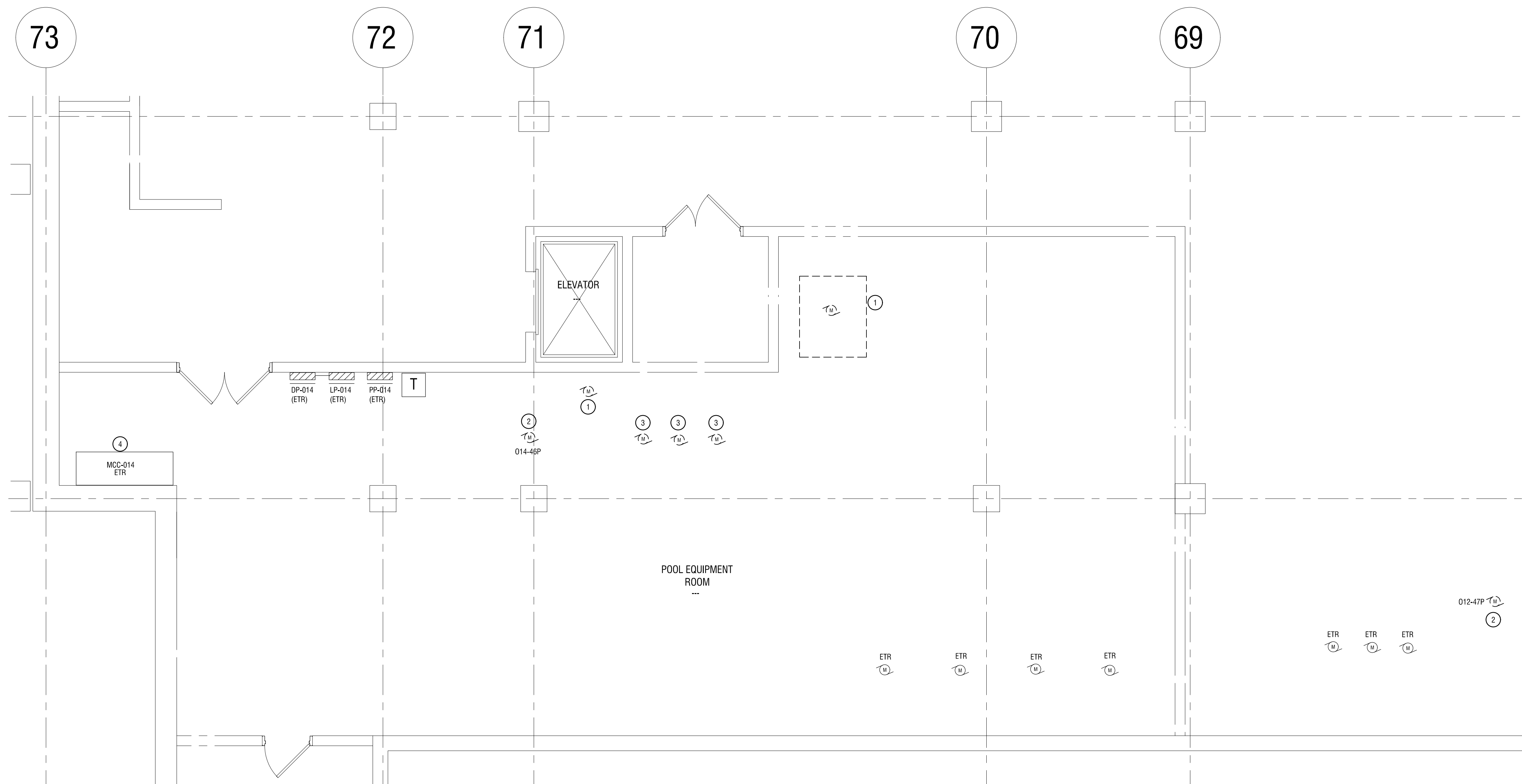
DATE: JUNE 26, 2019

DRAWING NAME:

MECHANICAL ROOM ELECTRICAL DEMOLITION PLAN

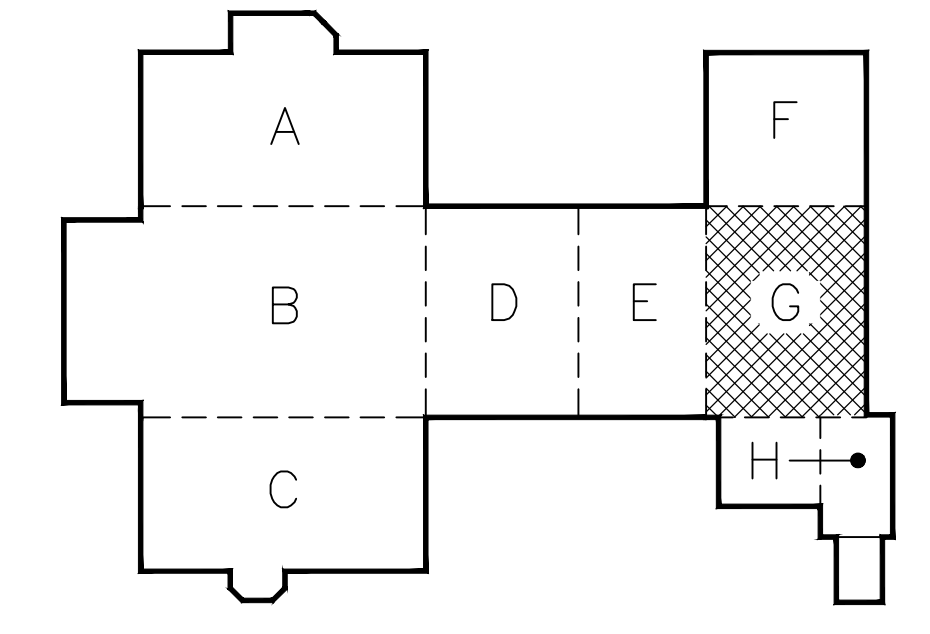
DRAWING NUMBER:

E101



1 BASEMENT ELECTRICAL DEMOLITION PLAN- AREA G/H
E102 1/4"=1'-0"

- ELECTRIC DEMOLITION NOTES:**
- 1 REMOVE POWER TO EXISTING DEHUMIDIFIER, PUMP, DISCONNECT SWITCH AND ALL ASSOCIATED WIRING. BACK TO LP-014.
 - 2 REMOVE POWER TO EXISTING PUMP, DISCONNECT AND WIRING BACK TO MCC-014.
 - 3 DISCONNECT POWER TO EQUIPMENT FOR NEW PIPING WORK AND RECONNECT ONCE NEW PIPING WORK IS COMPLETED.
 - 4 REMOVE MOTOR CONTROLS FOR UNITS BEING REPLACED FROM MCC TUBES. PROVIDE NEW REPLACEMENT BREAKERS AS INDICATED IN SCHEDULE IN DWG E000.



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REVISIONS		
NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

DRAWN BY: MHB
REVIEWED BY: MVR

ISSUED FOR: BID DOCUMENTS

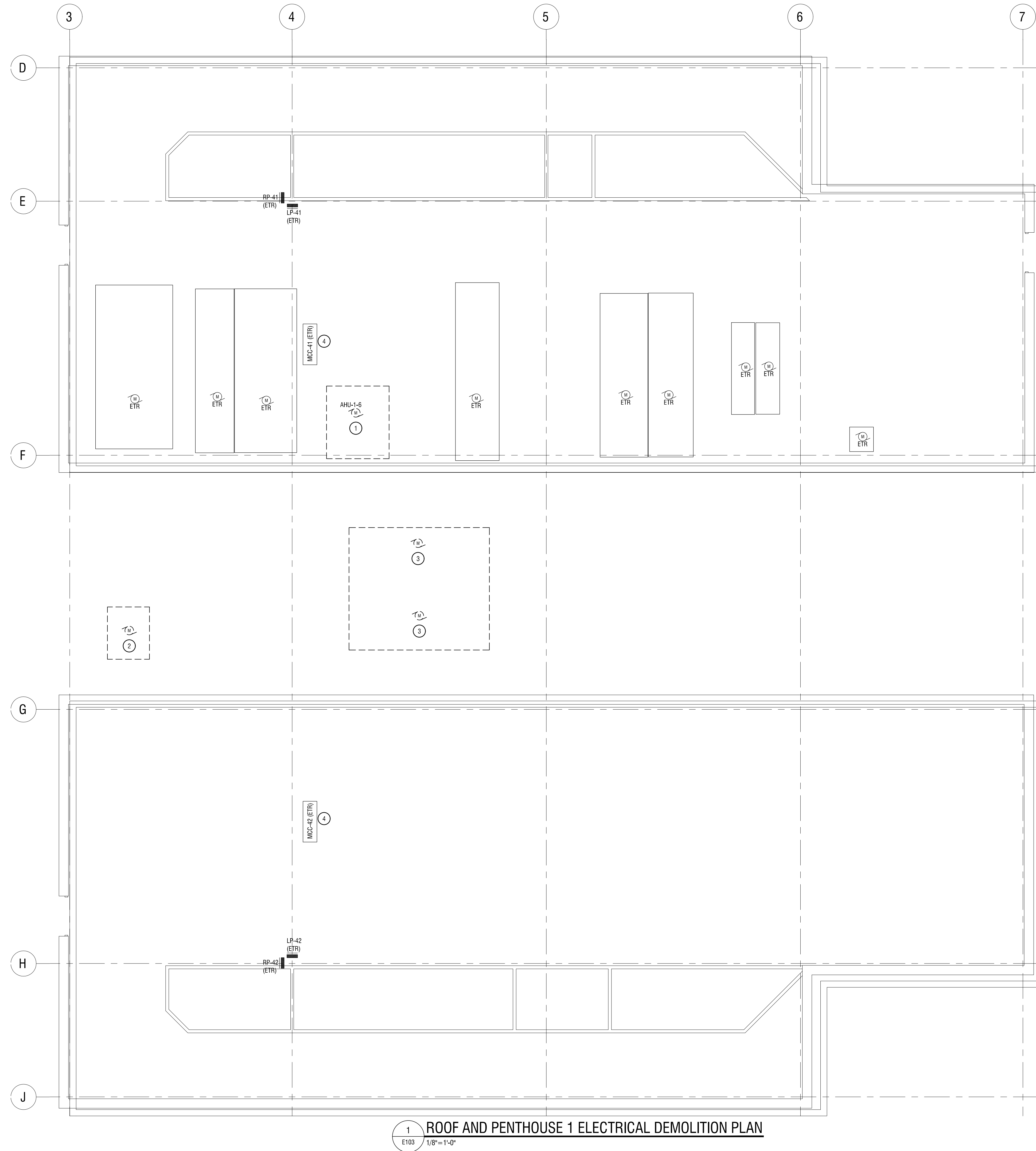
DATE: JUNE 26, 2019

DRAWING NAME:

BASEMENT ELECTRICAL DEMOLITION PLAN- AREA G/H

DRAWING NUMBER:

E102



- ELECTRIC DEMOLITION NOTES:**
- 1 REMOVE POWER TO EXISTING AIR HANDLING UNIT, FAN ABOVE AND ASSOCIATED DISCONNECT SWITCH.
 - 2 REMOVE POWER TO EXISTING CHILLER AND ASSOCIATED DISCONNECT SWITCH.
 - 3 REMOVE POWER TO EXISTING COOLING TOWERS AND ASSOCIATED DISCONNECT SWITCH.
 - 4 REMOVE MOTOR CONTROLS FOR UNITS BEING REPLACED FROM MCC TUBES. PROVIDE NEW REPLACEMENT BREAKERS AS INDICATED IN SCHEDULE IN DWG E000.

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NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

DRAWN BY: MHB

REVIEWED BY: MVR

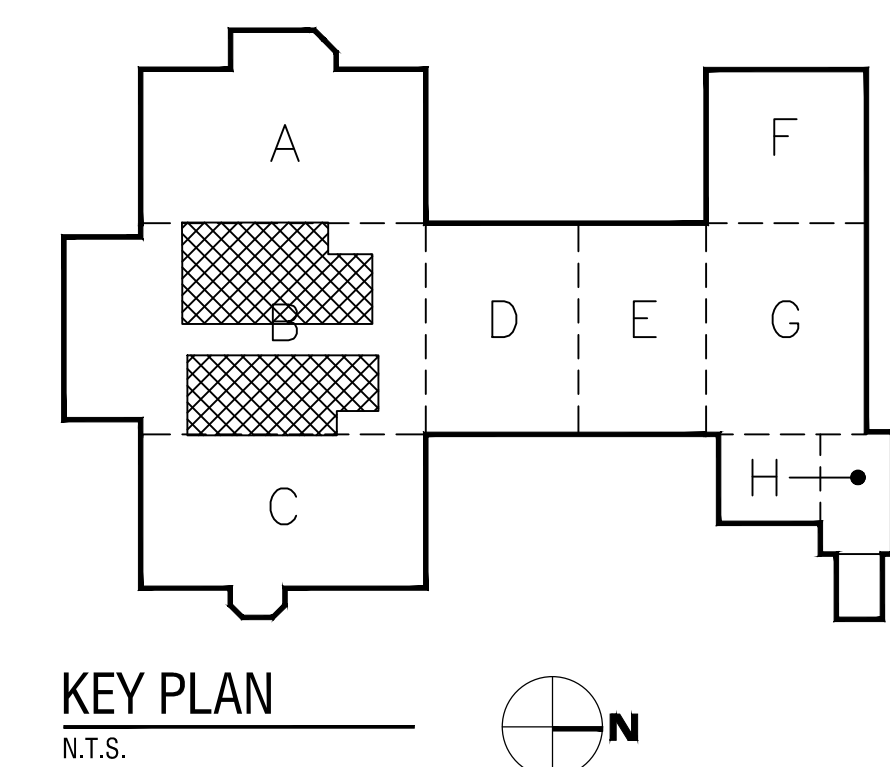
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DATE: JUNE 26, 2019

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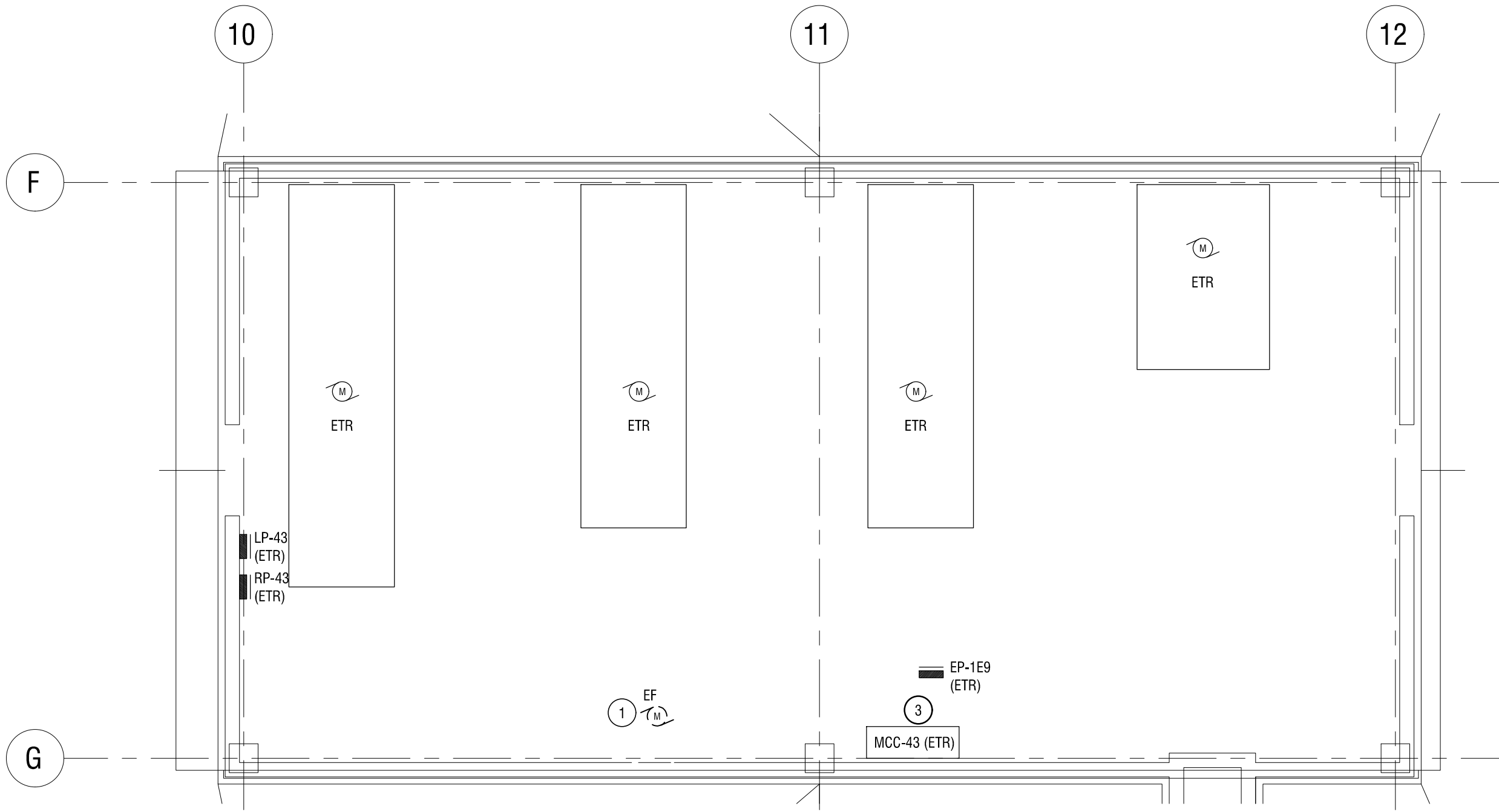
**ROOF AND PENTHOUSE 1 ELECTRICAL
DEMOLITION PLAN**

DRAWING NUMBER:

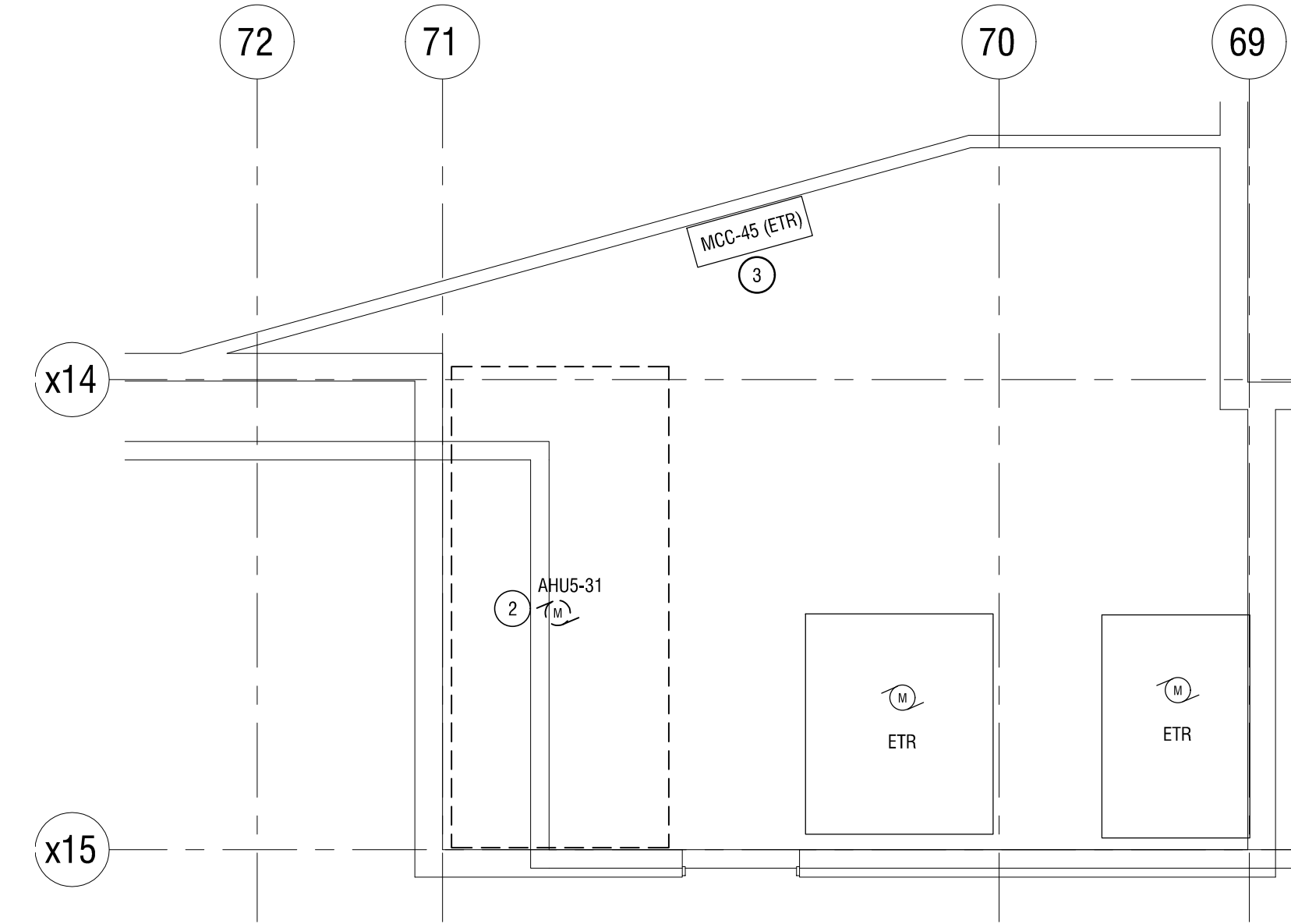


KEY PLAN
N.T.S.

E103



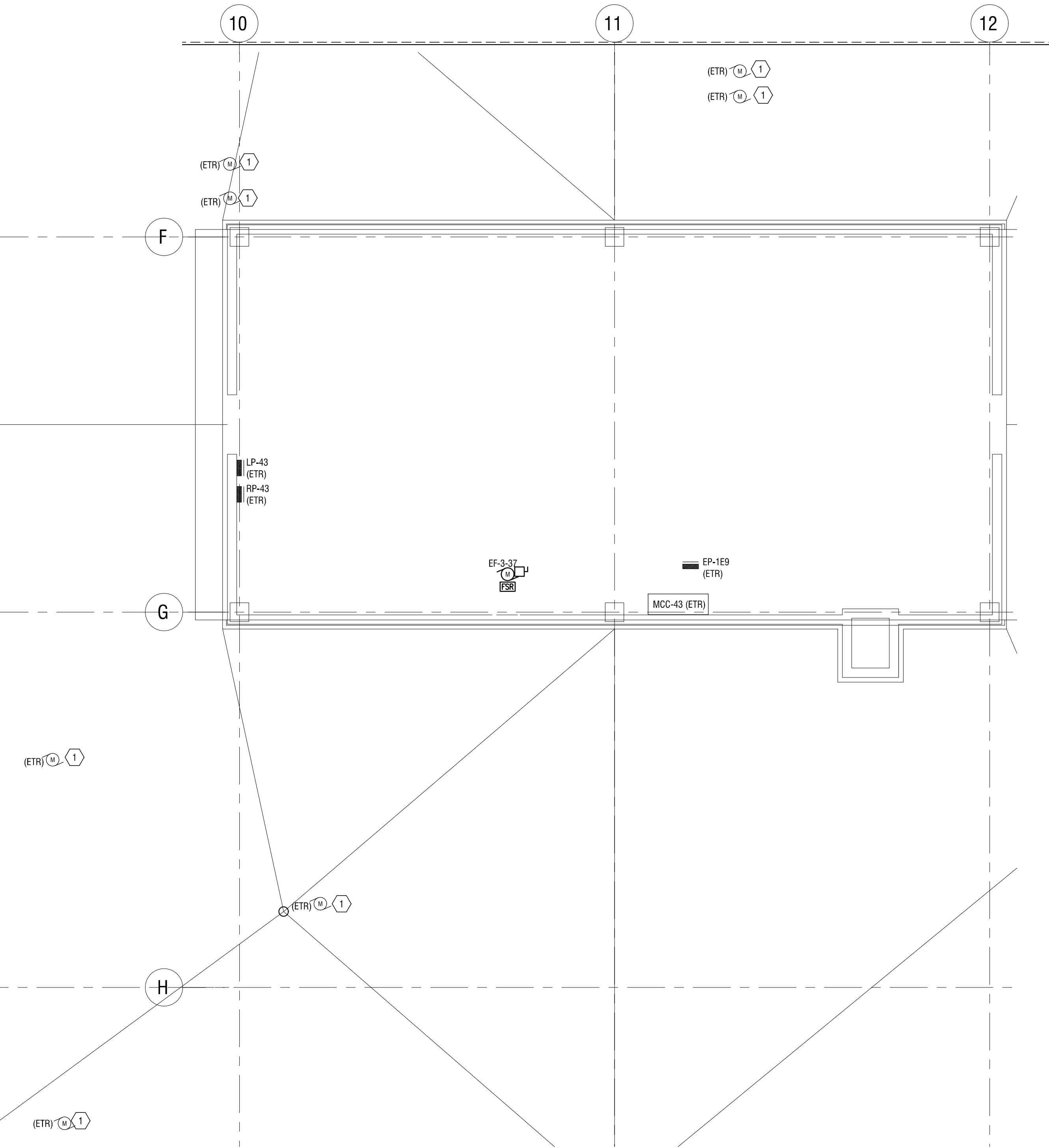
1 PENTHOUSE 3 ELECTRICAL DEMOLITION PLAN
E104 1/8"=1'-0"



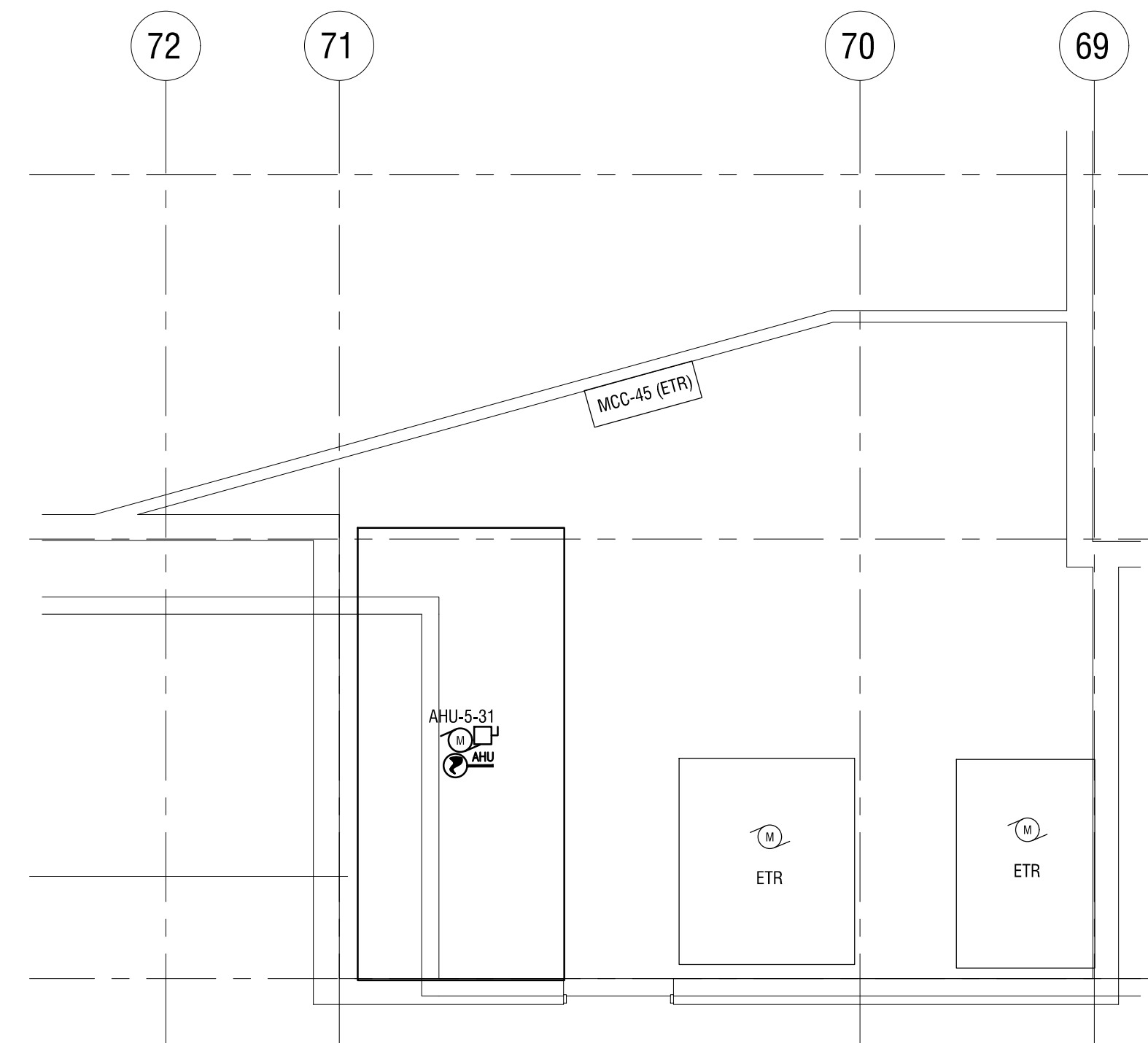
2 PENTHOUSE 5 ELECTRICAL DEMOLITION PLAN
E104 1/8"=1'-0"

ELECTRIC DEMOLITION NOTES:

- 1 REMOVE POWER TO EXISTING EXHAUST FAN AND ASSOCIATED DISCONNECT SWITCH.
- 2 REMOVE POWER TO EXISTING AHU AND ASSOCIATED DISCONNECT SWITCH.
- 3 REMOVE MOTOR CONTROLS FOR UNITS BEING REPLACED FROM MCC TUBES. PROVIDE NEW REPLACEMENT BREAKERS AS INDICATED IN SCHEDULE IN DWG E000.



3 PENTHOUSE 3 ELECTRICAL PLAN
E104 1/8"=1'-0"



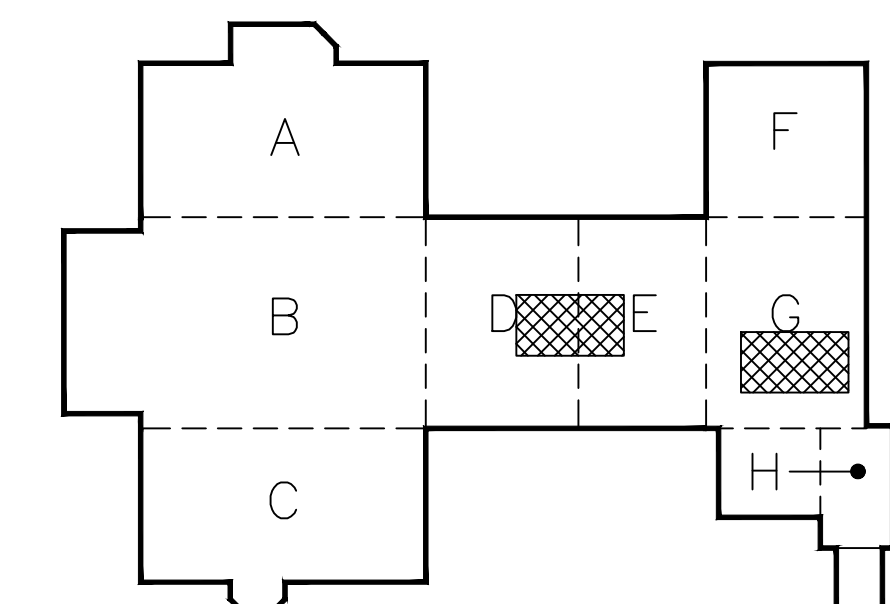
4 PENTHOUSE 5 ELECTRICAL PLAN
E104 1/8"=1'-0"

GENERAL NOTES:

1. CONNECT FIRE ALARM DEVICE TO BUILDING ADDRESSABLE FIRE ALARM SYSTEM.

ELECTRIC KEYED NOTES:

- 1 DISCONNECT POWER TO EXISTING EQUIPMENT. EXTEND EXISTING CIRCUITING AND RECONNECT UNIT. (REFER TO MECHANICAL DRAWINGS FOR DETAILS)



KEY PLAN
N.T.S.

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ROCHESTER SCHOOLS MODERNIZATION PROGRAM

1776 N. CLINTON AVE
ROCHESTER, NY 14621

EDISON TECHNICAL SCHOOL
655 COLFAX STREET
ROCHESTER, NY 14606

SED NO. 26-16-00-01-0-111-032
DWT NO. 26-16-00-01-7-999-020

NO.	DATE	DESCRIPTION
1	6.28.19	BID ADDENDUM 1

PROJECT NUMBER: 2170218

DRAWN BY: MHB

REVIEWED BY: MVR

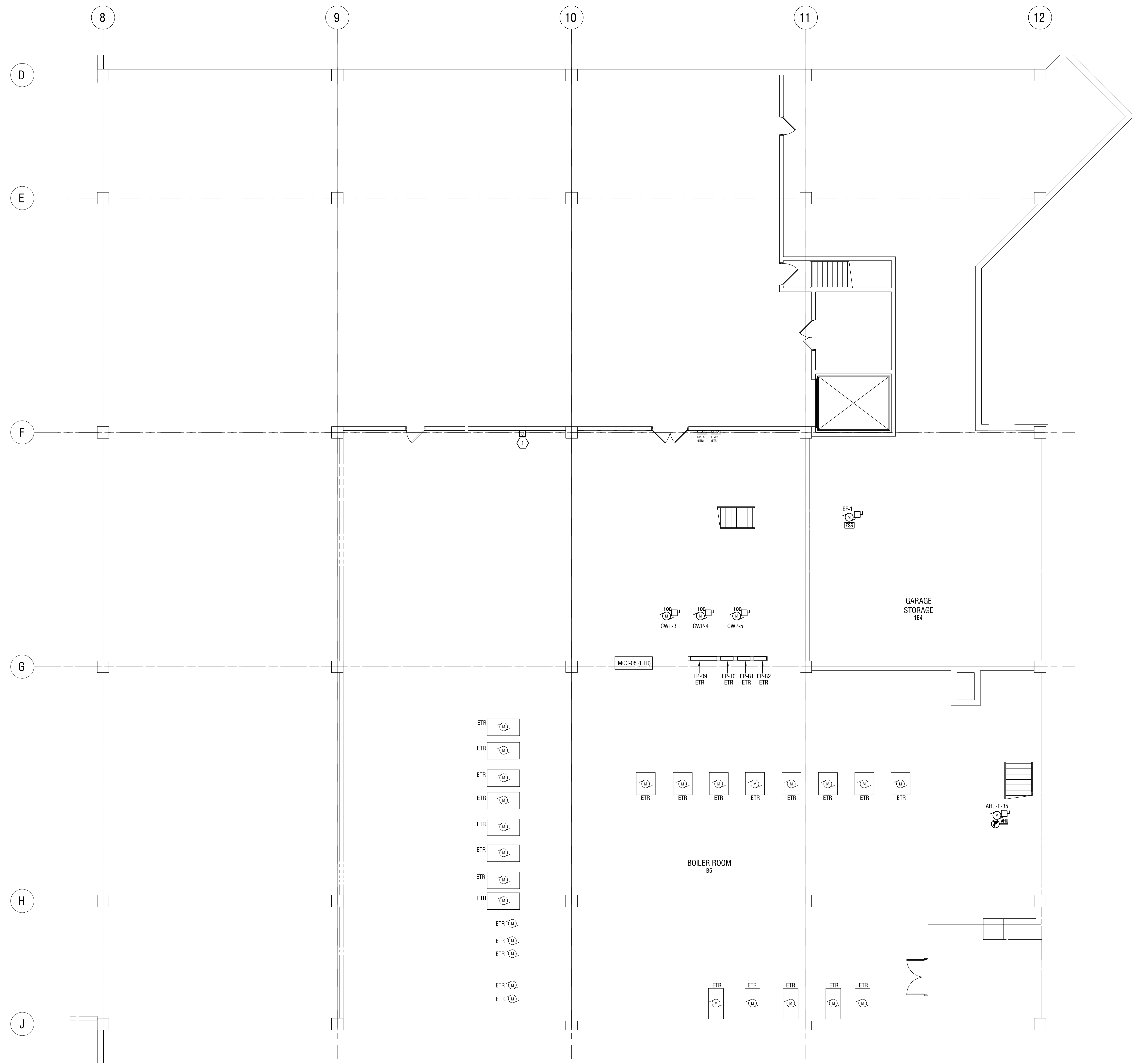
ISSUED FOR: BID DOCUMENTS

DATE: JUNE 26, 2019

DRAWING NAME:

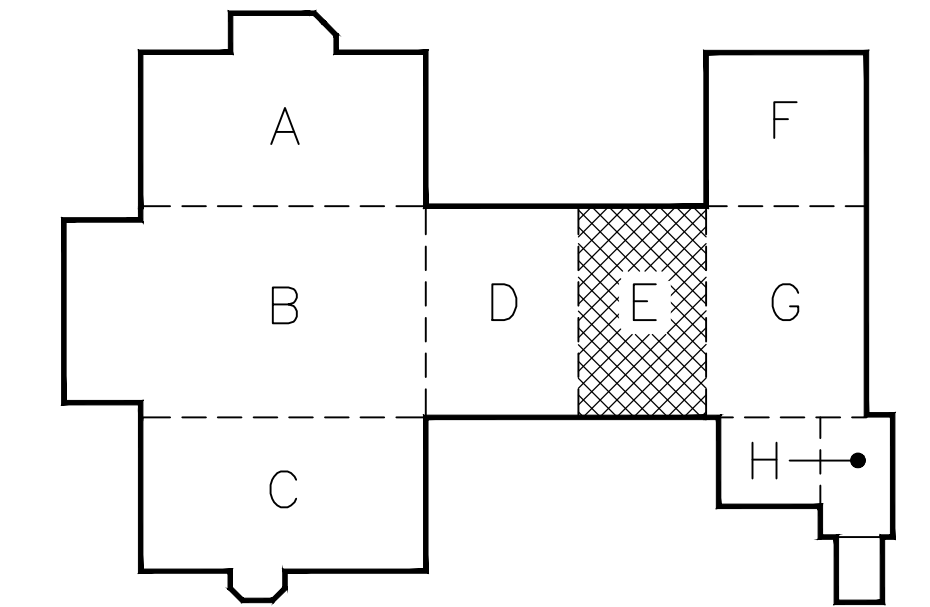
PENTHOUSE 3 AND 5 ELECTRICAL DEMOLITION AND NEW WORK PLAN

DRAWING NUMBER:



1 MECHANICAL ROOM ELECTRICAL PLAN
E201 1/8"=1'-0"

- GENERAL NOTES:**
1. CONNECT FIRE ALARM DEVICE TO BUILDING ADDRESSABLE FIRE ALARM SYSTEM.
- ELECTRIC KEYED NOTES:**
1. PROVIDE (1) 120V, 20A CIRCUIT FOR GLYCOL STATION POWER FROM CIRCUITS AVAILABLE FROM DEMOLITION WORK.



KEY PLAN
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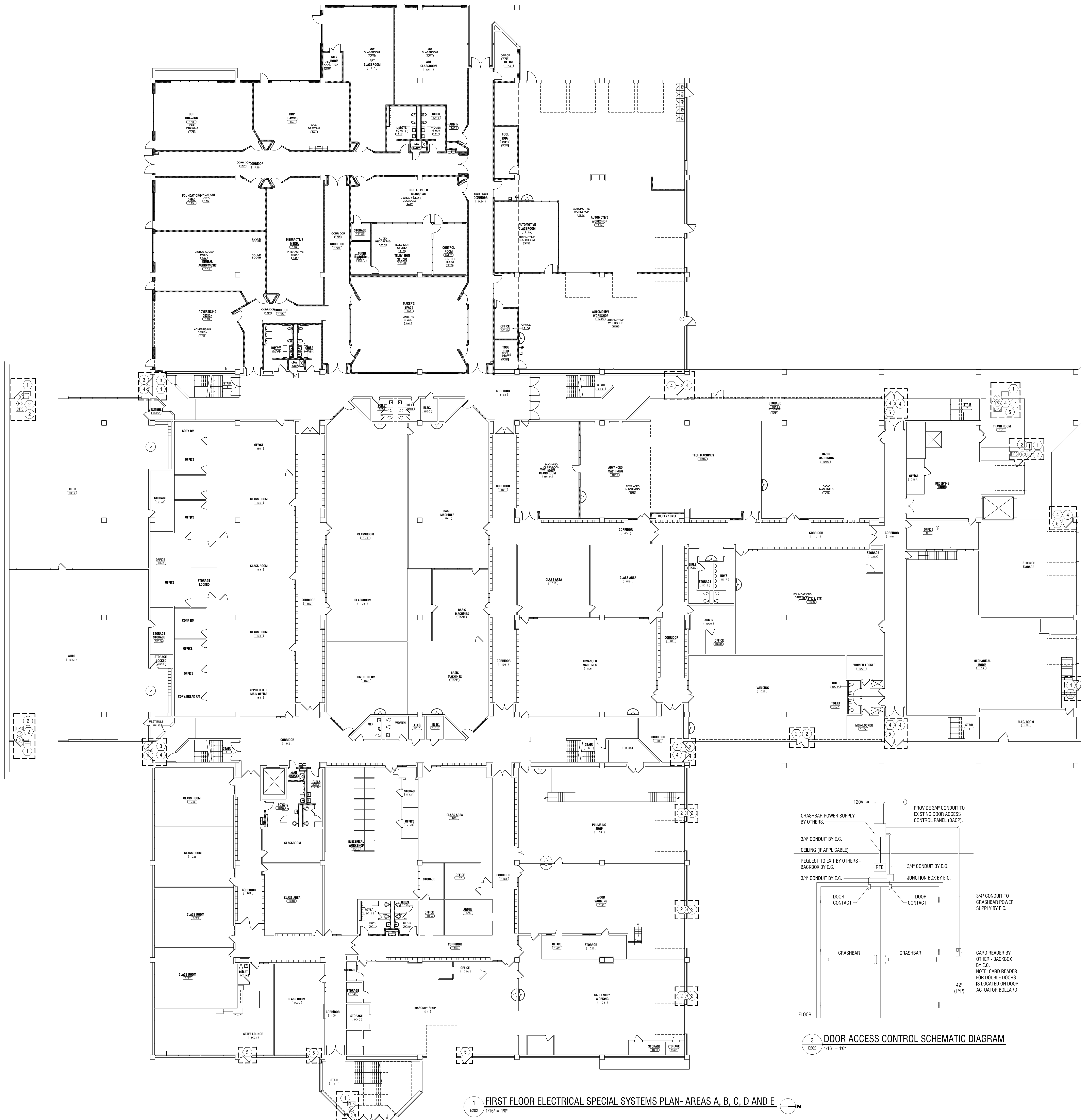
DATE: JUNE 26, 2019

DRAWING NAME:

MECHANICAL ROOM ELECTRICAL PLAN

DRAWING NUMBER:

E201



- ELECTRIC DEMOLITION NOTES:**
- 1 REMOVE EXISTING CARD READER.
 - 2 REMOVE EXISTING EXIT SIGN AND POWER TO DEVICES THAT WILL INTERFERE WITH DOOR DEMOLITION AND NEW WORK. SAVE EXIT SIGNS AND WIRING FOR REUSE.
 - 3 REMOVE EXIT SIGN. SAVE WIRING FOR REUSE.
 - 4 REMOVE POWER TO DEVICES THAT WILL INTERFERE WITH DOOR DEMOLITION AND NEW WORK.

- ELECTRIC KEYED NOTES:**
- 1 INSTALL NEW PROXIMITY CARD READER AND NECESSARY POWER FROM NEAREST PANEL WITH AVAILABLE SPARES. CARD READER TO MATCH BUILDING STANDARD.
 - 2 RE-INSTALL EXIT SIGN AND POWER REMOVED DURING DEMOLITION.
 - 3 PROVIDE NEW CEILING MOUNT EXIT SIGN. REUSE EXISTING CIRCUITING.
 - 4 RESTORE POWER CONNECTIONS IMPACTED BY DEMOLITION WORK.
 - 5 PROVIDE NEW CEILING MOUNT EXIT SIGN. POWER SOURCE MUST BE

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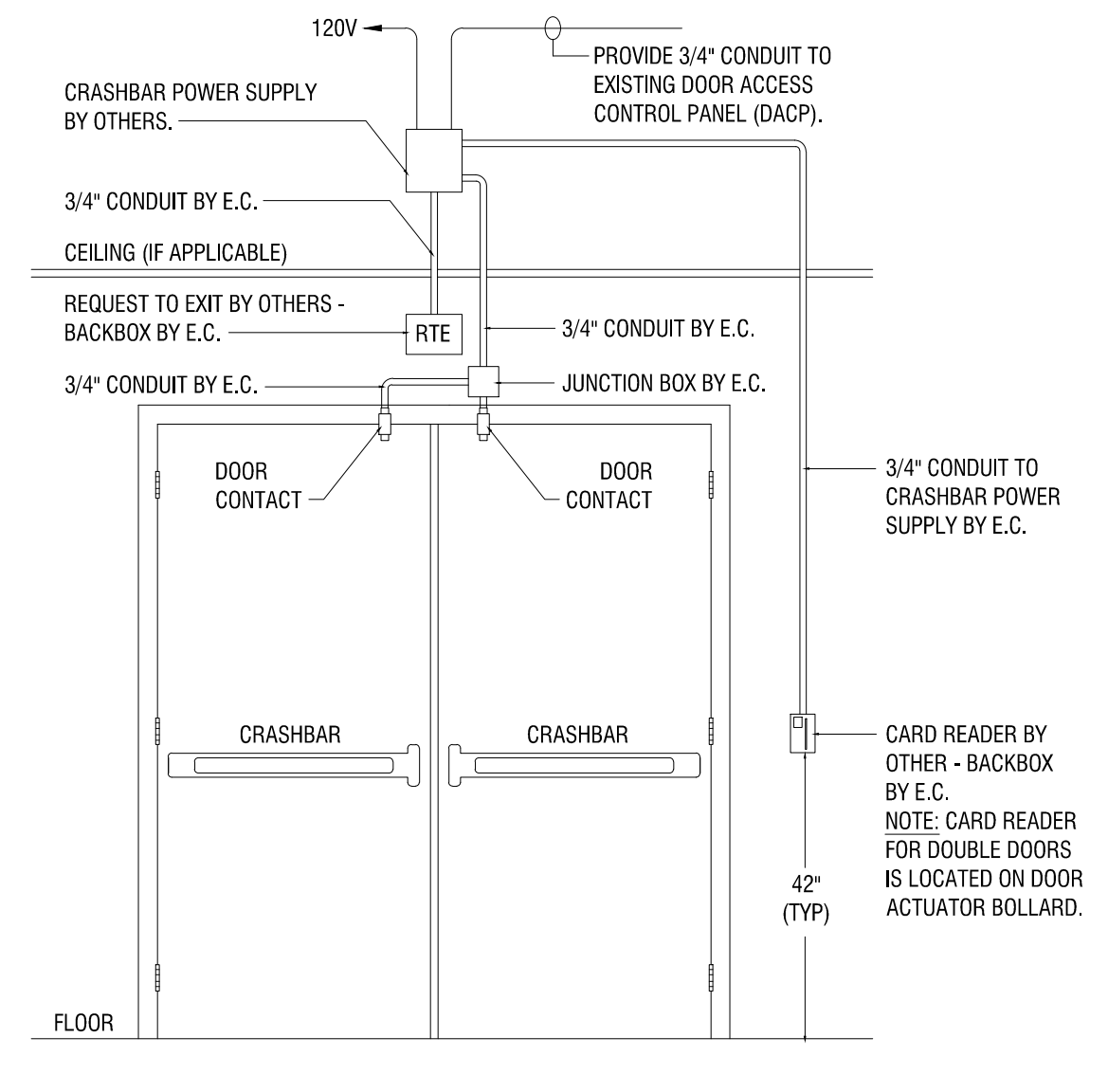
REVISIONS		
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PROJECT NUMBER: 2170218

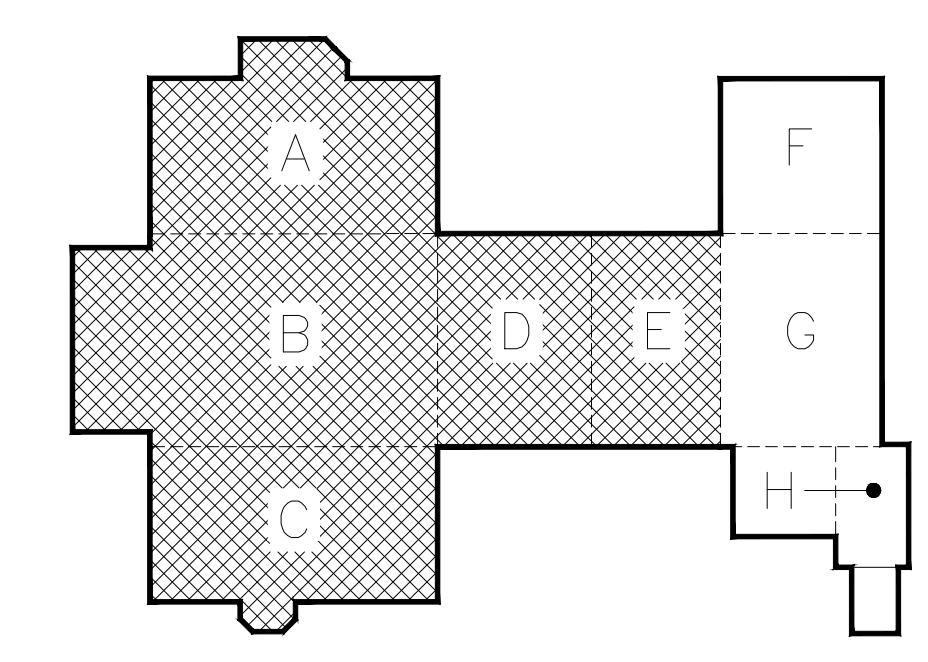
DRAWN BY: MHB
REVIEWED BY: MVR
ISSUED FOR: BID DOCUMENTS
DATE: JUNE 26, 2019
DRAWING NAME:

**FIRST FLOOR ELECTRICAL
SPECIAL SYSTEMS PLAN-
AREAS: A, B, C, D & E**

DRAWING NUMBER:



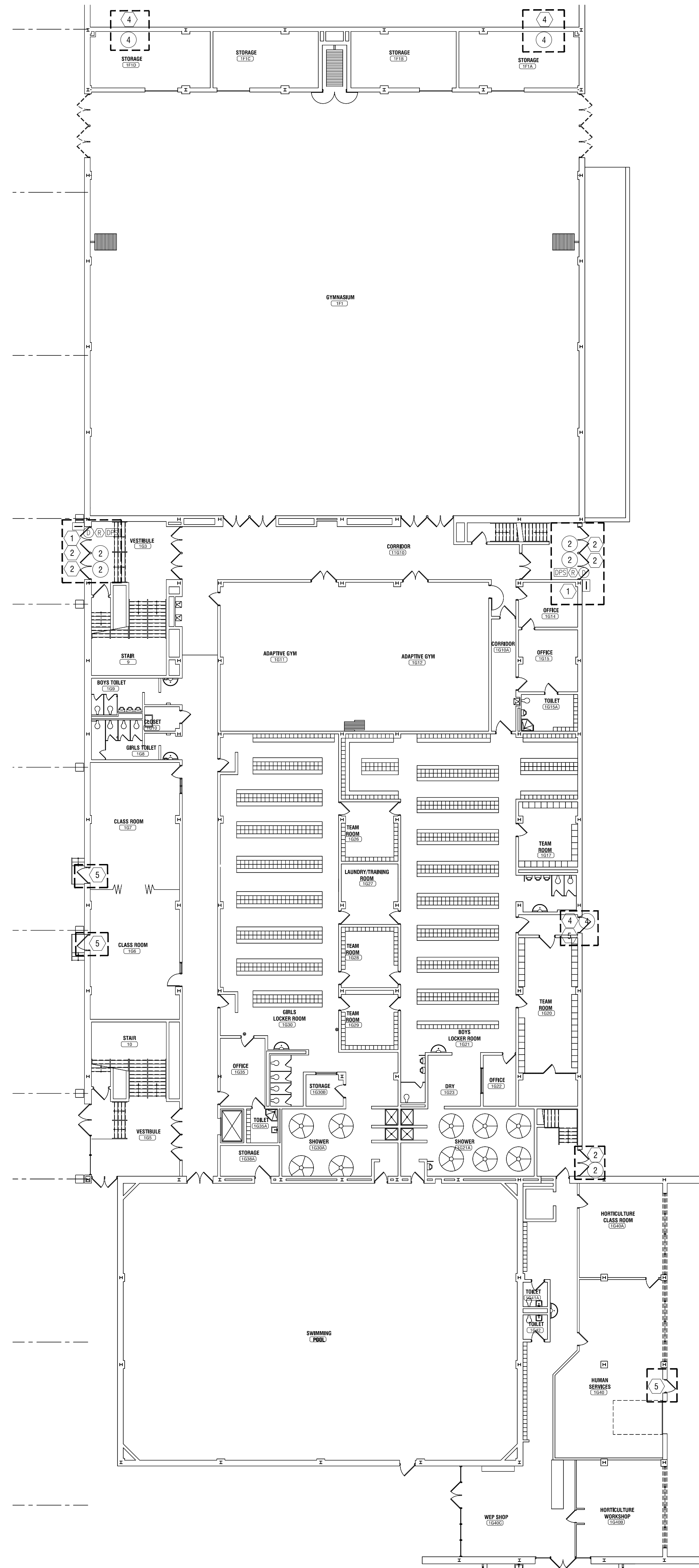
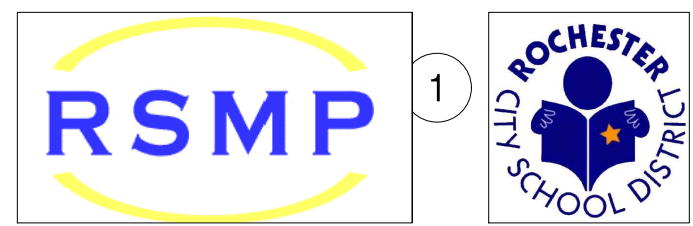
3 DOOR ACCESS CONTROL SCHEMATIC DIAGRAM
E202 1/16" = 1"



KEY PLAN
N.T.S.

1 FIRST FLOOR ELECTRICAL SPECIAL SYSTEMS PLAN- AREAS A, B, C, D AND E
E202 1/16" = 1"

Date & Time: 6/26/2019 11:16 AM By: Herman@labella.com File Path: Z:\Projects\MEP\Edison Tech Phase 2 Drawings\MEP\Edison Tech Phase 2 Electrical Special Systems Plan.dwg



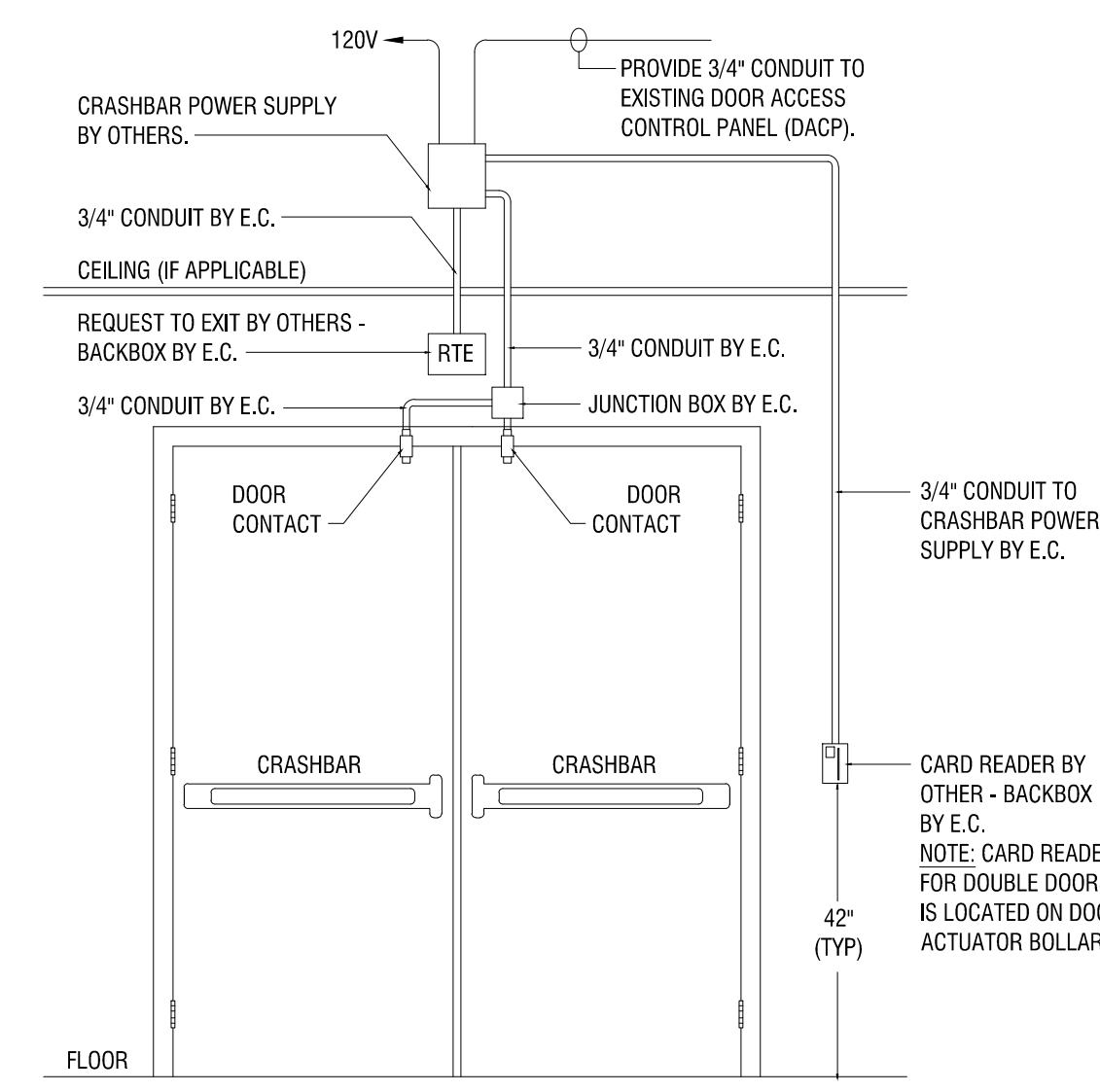
2 FIRST FLOOR ELECTRICAL SPECIAL SYSTEMS PLAN- AREAS: F, G & H
E203 1/16" = 1'-0"

ELECTRIC DEMOLITION NOTES:

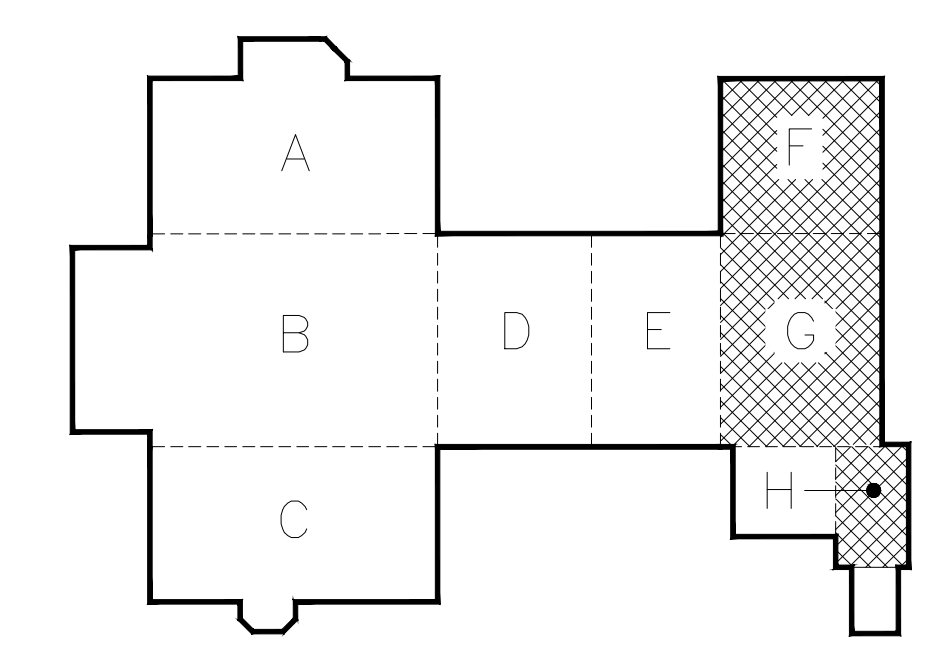
- 1 REMOVE EXISTING CARD READER.
- 2 REMOVE EXISTING EXIT SIGN AND POWER TO DEVICES THAT WILL INTERFERE WITH DOOR DEMOLITION AND NEW WORK. SAVE EXIT SIGNS AND WIRING FOR REUSE.
- 3 REMOVE EXIT SIGN. SAVE WIRING FOR REUSE.
- 4 REMOVE POWER TO DEVICES THAT WILL INTERFERE WITH DOOR DEMOLITION AND NEW WORK.

ELECTRIC KEYED NOTES:

- 1 INSTALL NEW PROXIMITY CARD READER AND NECESSARY POWER FROM NEAREST PANEL WITH AVAILABLE SPARES. CARD READER TO MATCH BUILDING STANDARD.
- 2 RE-INSTALL EXIT SIGN AND POWER REMOVED DURING DEMOLITION.
- 3 PROVIDE NEW CEILING MOUNT EXIT SIGN. REUSE EXISTING CIRCUITING.
- 4 RESTORE POWER CONNECTIONS IMPACTED BY DEMOLITION WORK.
- 5 PROVIDE NEW CEILING MOUNT EXIT SIGN. POWER SOURCE MUST BE



3 DOOR ACCESS CONTROL SCHEMATIC DIAGRAM
E203 1/16" = 1'-0"



KEY PLAN
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PROJECT NUMBER: 2170218

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REVIEWED BY: MVR

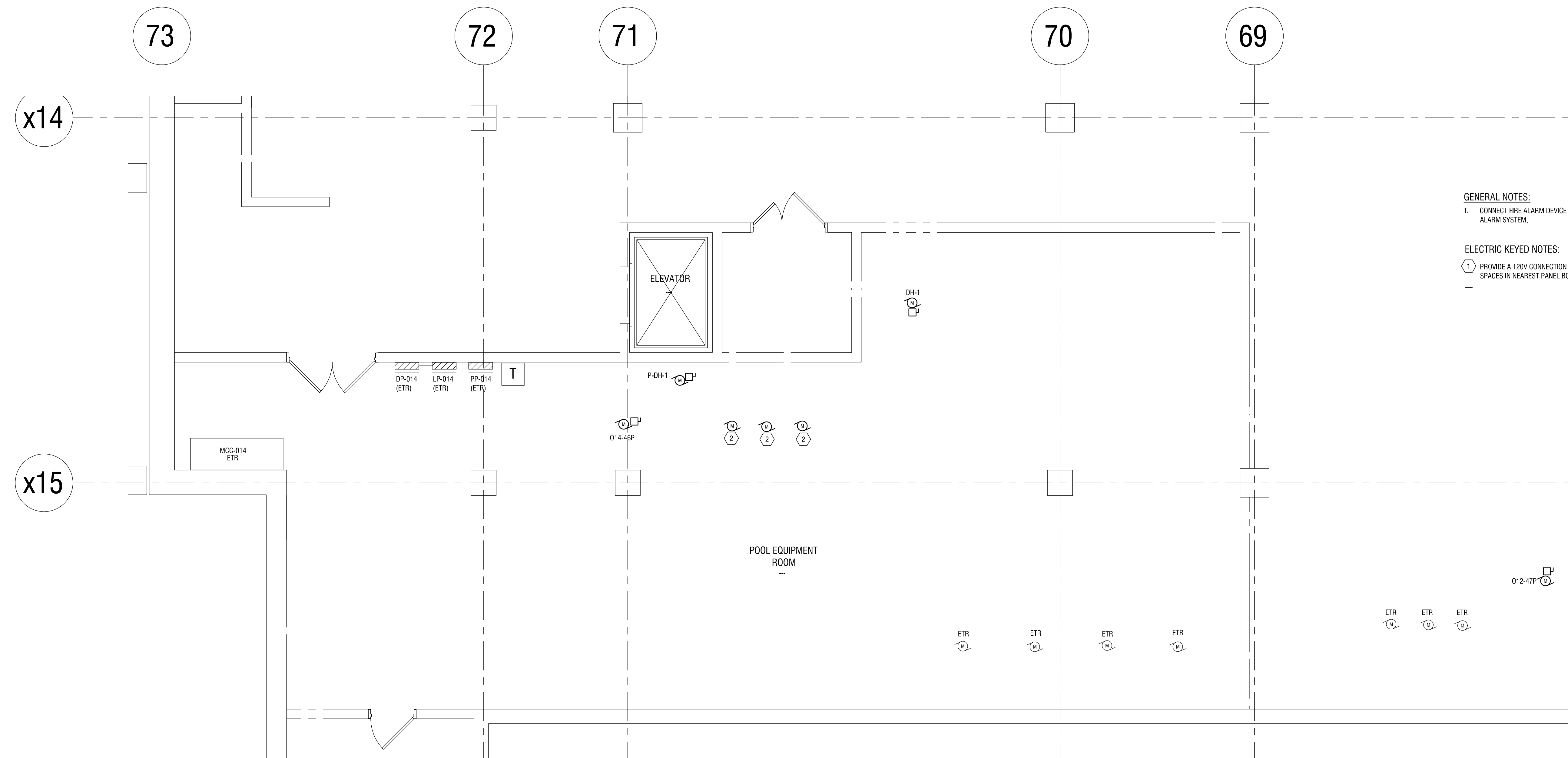
ISSUED FOR: BID DOCUMENTS

DATE: JUNE 26, 2019

DRAWING NAME:

**FIRST FLOOR ELECTRICAL
SPECIAL SYSTEMS PLAN-
AREAS: F, G & H**

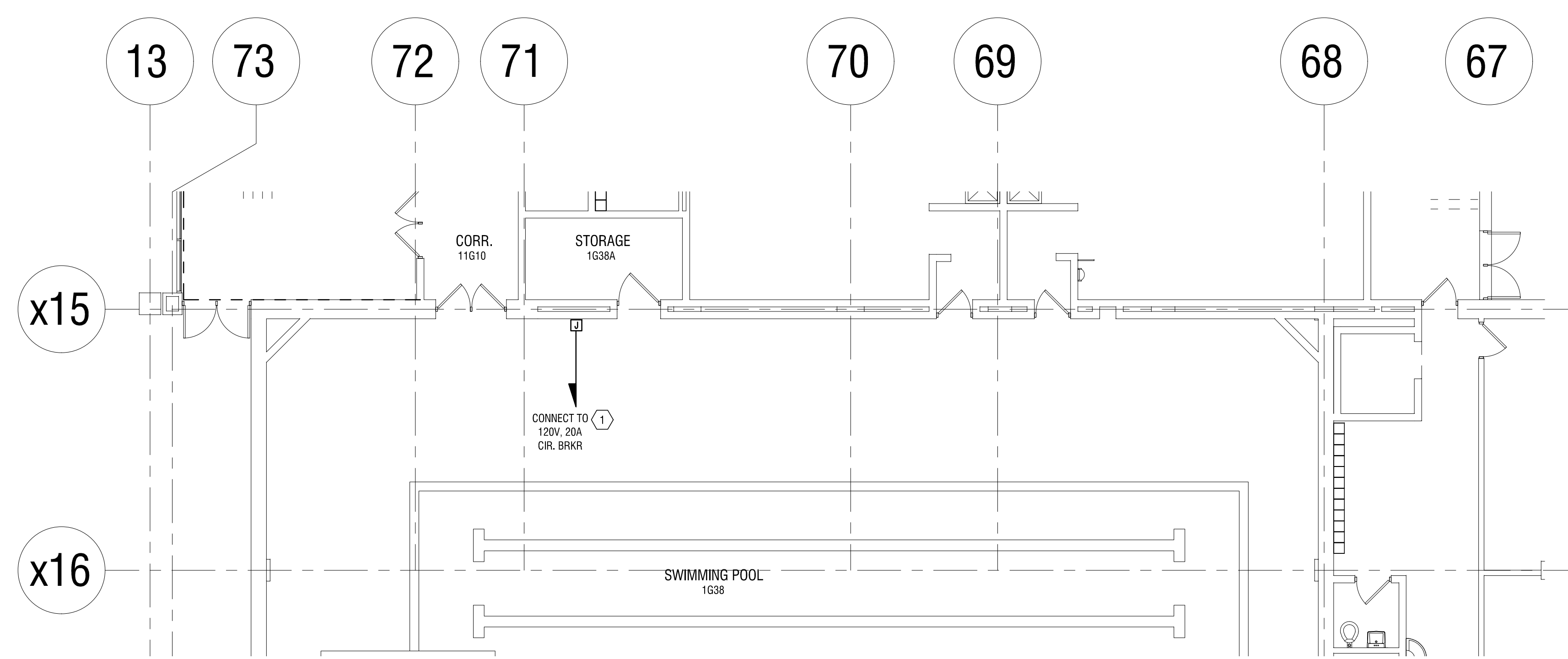
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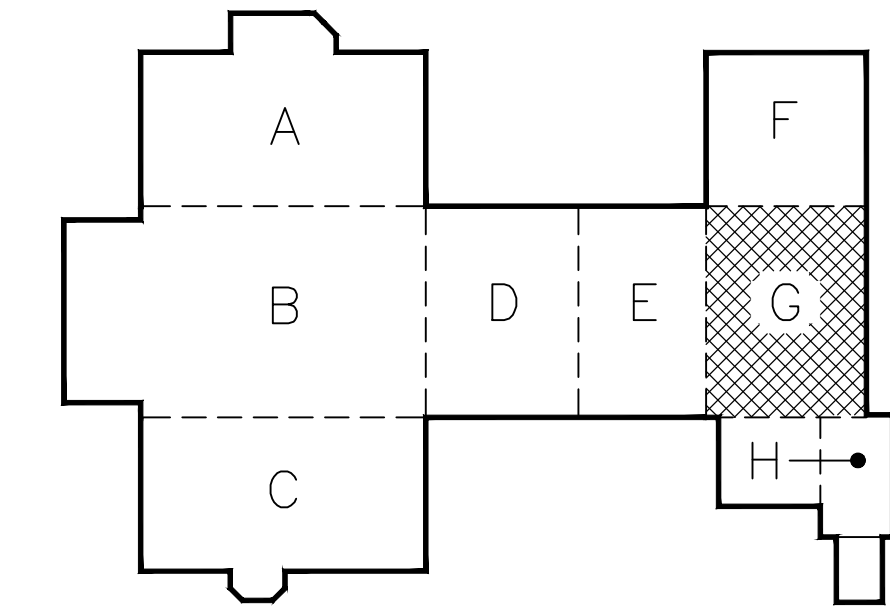
GENERAL NOTES:
1. CONNECT FIRE ALARM DEVICE TO BUILDING ADDRESSABLE FIRE ALARM SYSTEM.

ELECTRIC KEYED NOTES:
① PROVIDE A 120V CONNECTION FROM AVAILABLE SPARE BREAKERS OR SPACES IN NEAREST PANEL BOARD FOR POOL ALARM CONTROL PANEL.

1 BASEMENT ELECTRICAL PLAN- AREA G/H
E204 1/4"=1'-0"



2 FIRST FLOOR ELECTRICAL PLAN- AREA G
E204 1/8"=1'-0"



KEY PLAN
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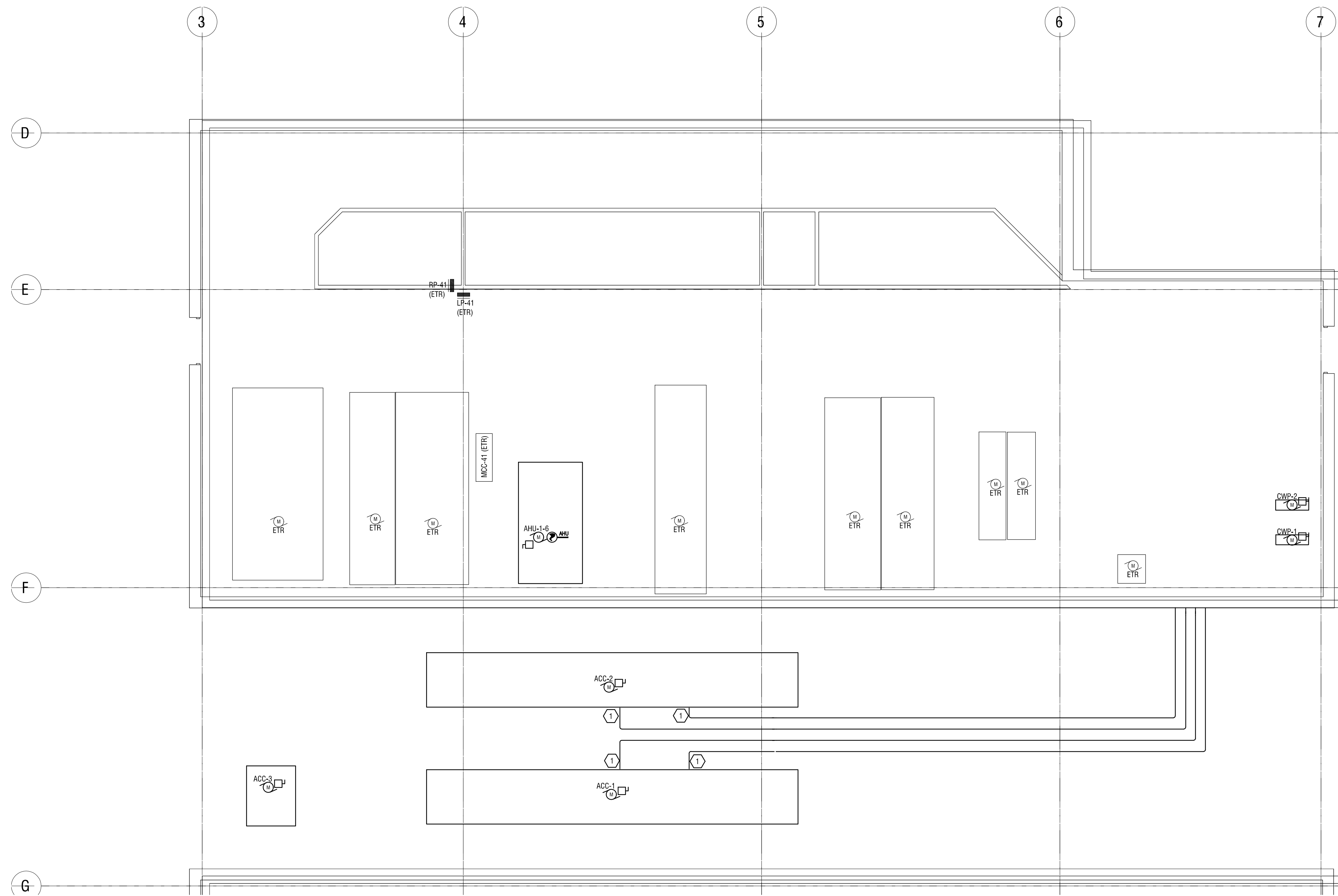
DRAWING NAME:

BASEMENT ELECTRICAL PLAN- AREA G/H

DRAWING NUMBER:

E204

Date & Time: 6/26/2019 11:16 AM By: Hernandez, Melissa File: Z:\Rochester_Schools_Modernization\Bids\2170218 - Edison Tech Plaza 2\Drawings\MEP\EDISON Tech Plaza 2\Views\Basement\Scope\BID\2019 Basement Electrical Plan Area G.rvt



- GENERAL NOTES:**
- CONNECT FIRE ALARM DEVICE TO BUILDING ADDRESSABLE FIRE ALARM SYSTEM.
- ELECTRIC KEYED NOTES:**
- PROVIDE POWER FOR PIPING HEAT TRACING FROM PANELS LP-41 OR RP-41. DESIGN BASIS APPROXIMATE POWER CONSUMPTION IS 8 WATTS/LF.

1 ROOF AND PENTHOUSE 1 ELECTRICAL PLAN
E205 1/8" = 1'-0"

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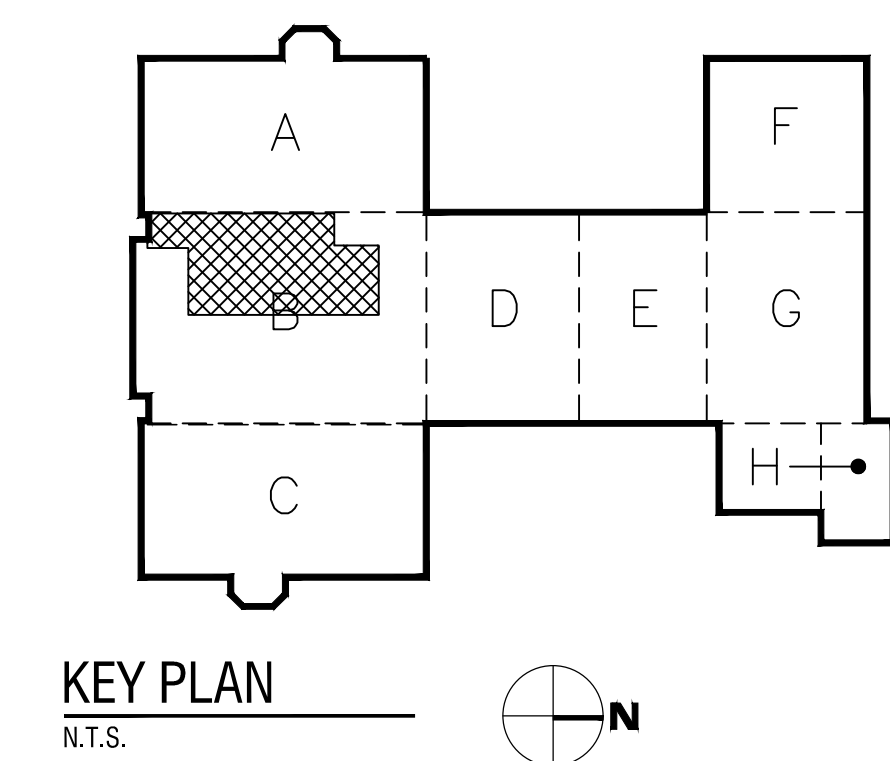
ISSUED FOR: BID DOCUMENTS

DATE: JUNE 26, 2019

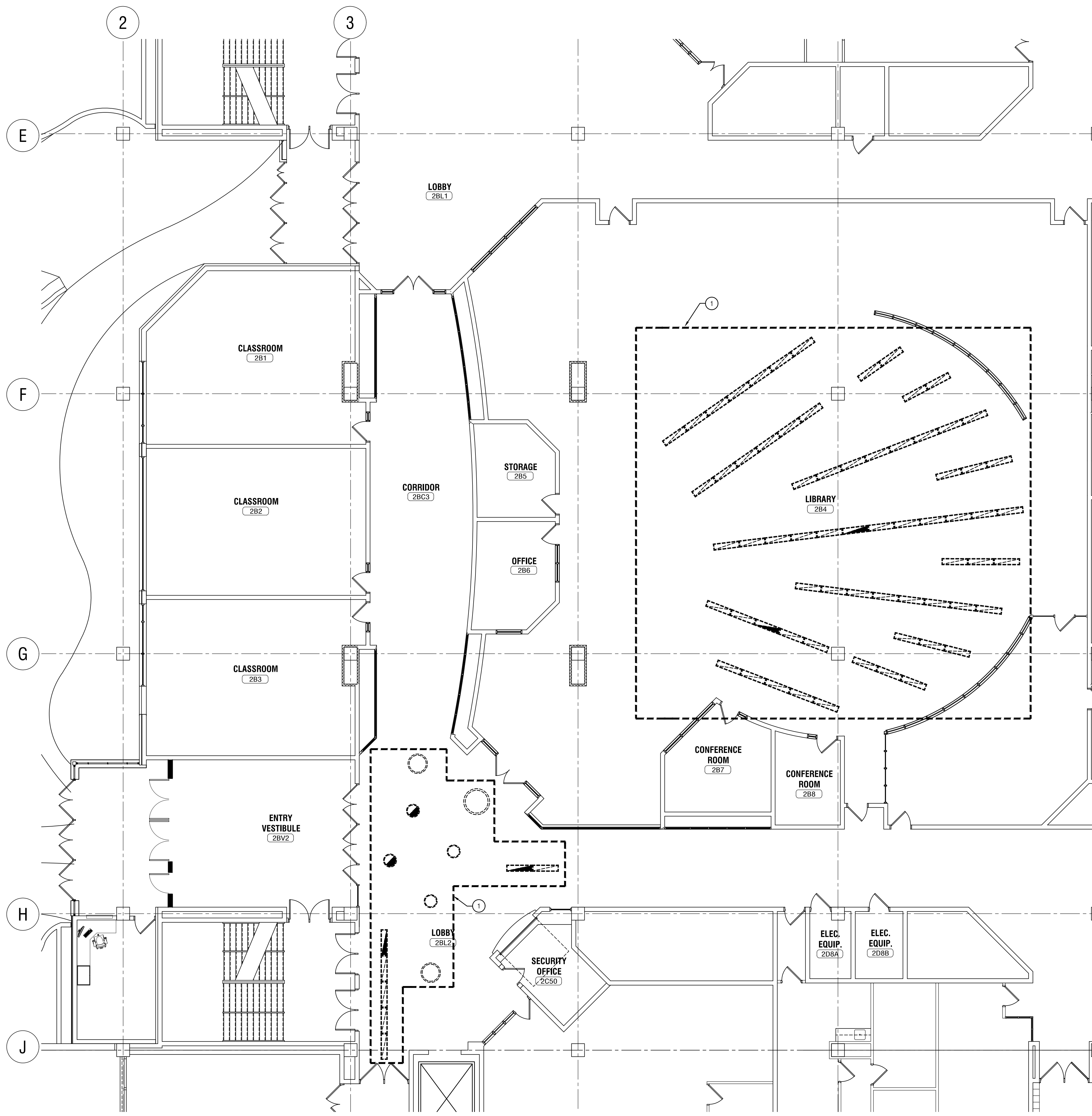
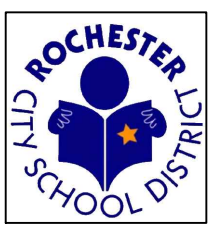
DRAWING NAME:

ROOF AND PENTHOUSE 1 ELECTRICAL PLAN

DRAWING NUMBER:



E205



ELECTRIC DEMOLITION KEY NOTES:
① DISCONNECT AND REMOVE AREA LIGHTING THAT WILL INTERFERE WITH NEW CEILING WORK. REINSTALL LUMINAIRES PROVIDING NEW SUPPORTS AS NECESSARY.

① SECOND FLOOR LIGHTING PLAN- AREA B
E302B 1/8" = 1'-0"

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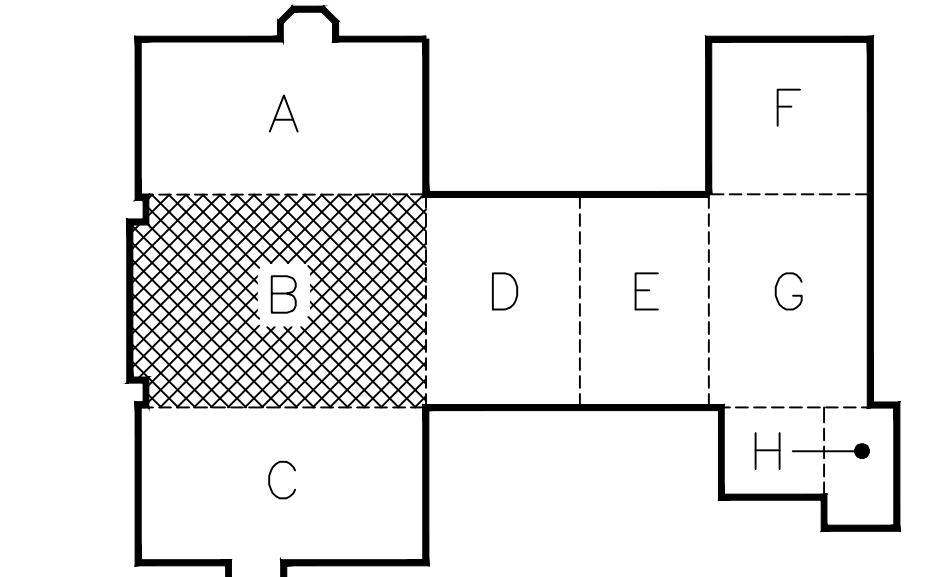
NO.	DATE	DESCRIPTION
-	-	-
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PROJECT NUMBER: 2170218

DRAWN BY: MHB
REVIEWED BY: MVR
ISSUED FOR: BID DOCUMENTS
DATE: JUNE 26, 2019
DRAWING NAME:

SECOND FLOOR LIGHTING PLAN- AREA B

DRAWING NUMBER:



KEY PLAN
N.T.S.

E302B

Date & Time: 6/26/2019 11:16 AM By: Herman-James, Melissa Plan: 2 - Rochester and Schools Construction Detail E302B - Edison Tech Phase 2 Drawings/MEEP/Edison Tech Phase 2/View/Elec/Additional Scope/0002/0002 - Second Floor Lighting Plan- Area B.dwg

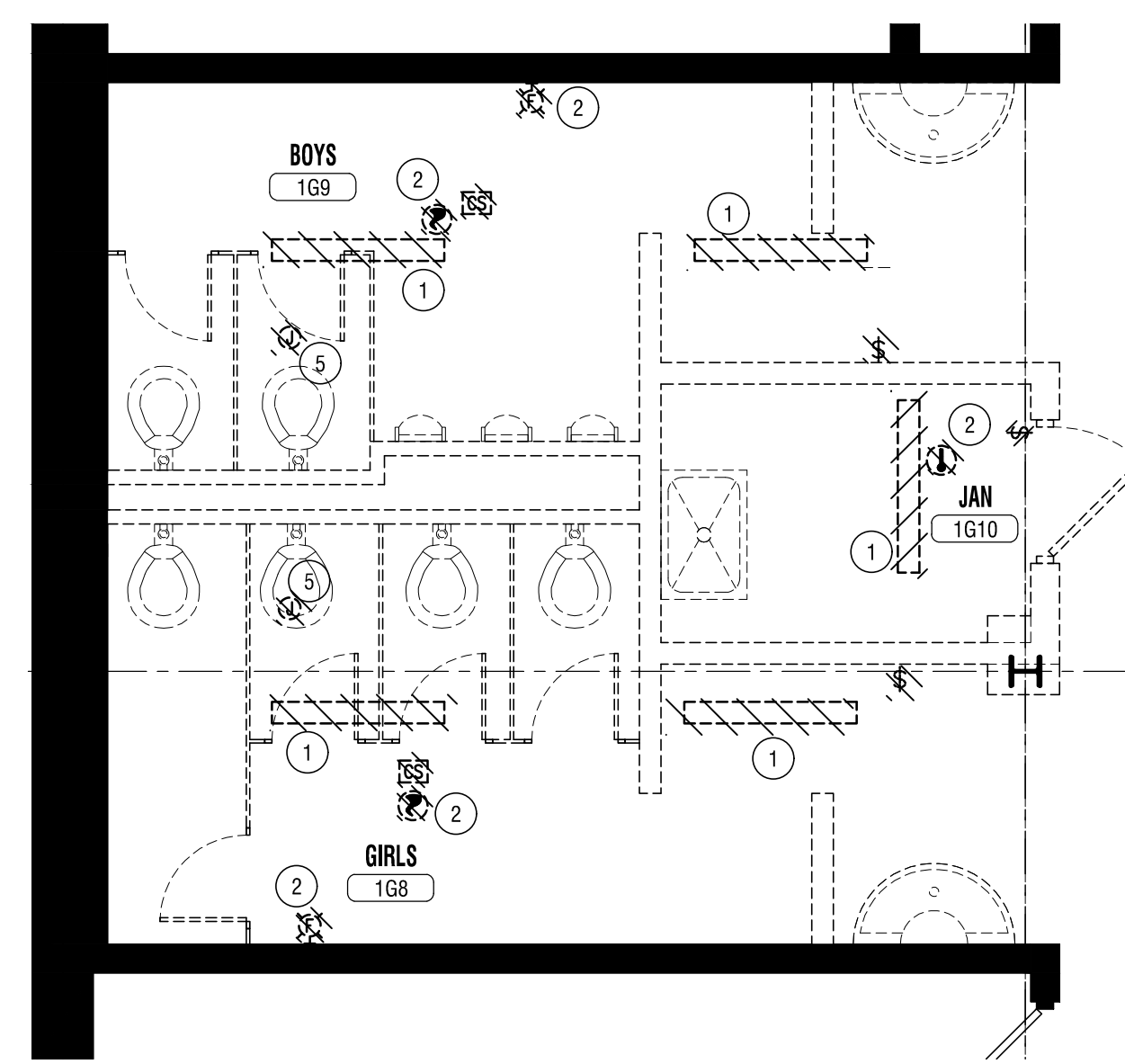


ELECTRIC DEMOLITION NOTES:

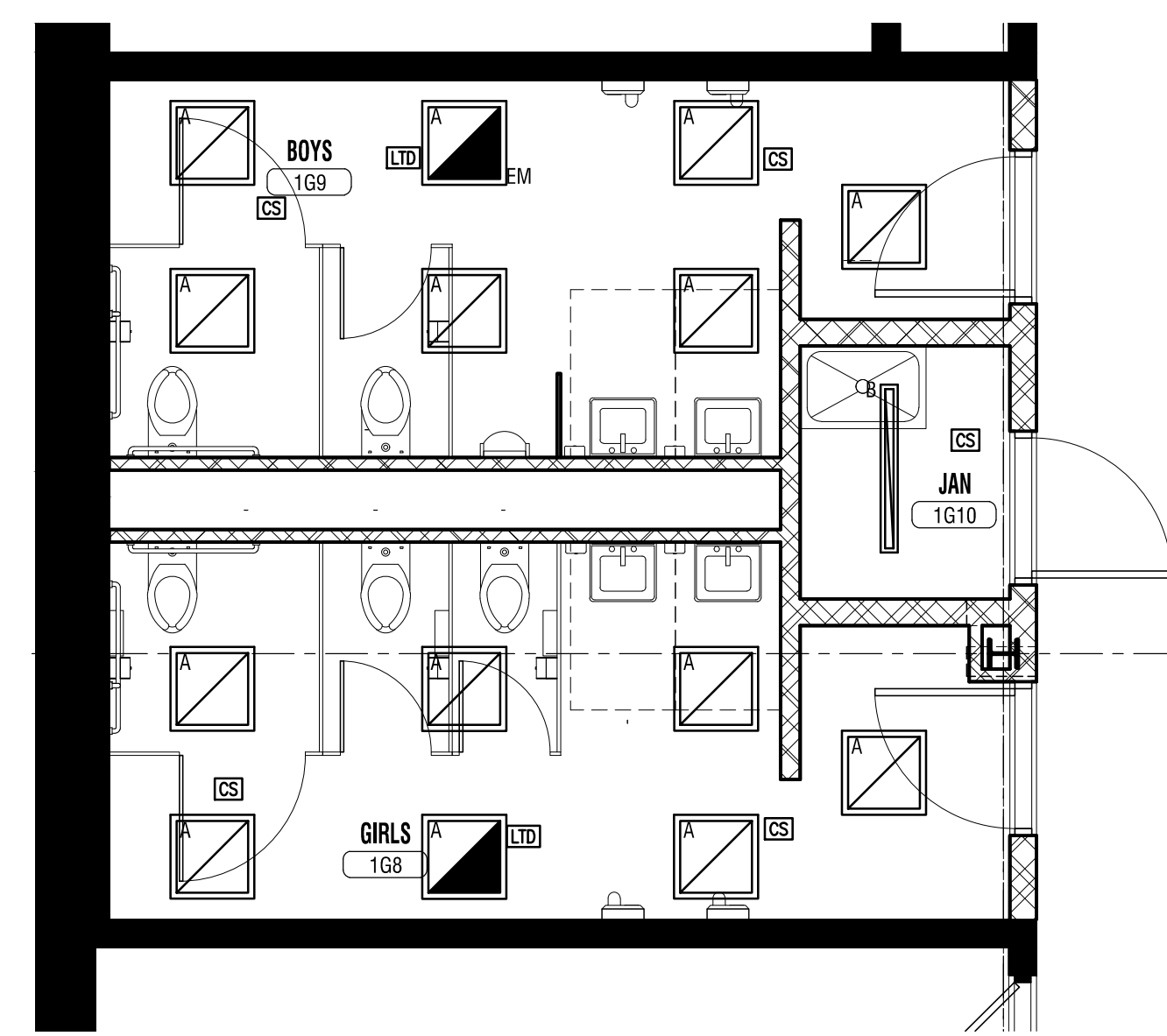
- 1 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES AND ASSOCIATED LIGHTING CONTROLS. REUSE EXISTING CIRCUITING.
- 2 REMOVE EXISTING FIRE ALARM DEVICES AND SAVE FOR REUSE. REUSE EXISTING COVERS AND WIREGUARDS WHERE POSSIBLE. COIL WIRING ABOVE THE CEILING FOR REUSE.
- 3 REMOVE ELECTRICAL CONNECTION TO EXISTING HAND DRYER. SAVE CIRCUIT FOR REUSE.
- 4 REMOVE EXISTING RECEPTACLE.
- 5 DISCONNECT POWER FROM EXISTING EXHAUST FAN. SAVE EXISTING WIRING AND CONDUITS FOR REUSE FOR THE NEW EXHAUST FAN INSTALLATION.

ELECTRIC KEYED NOTES:

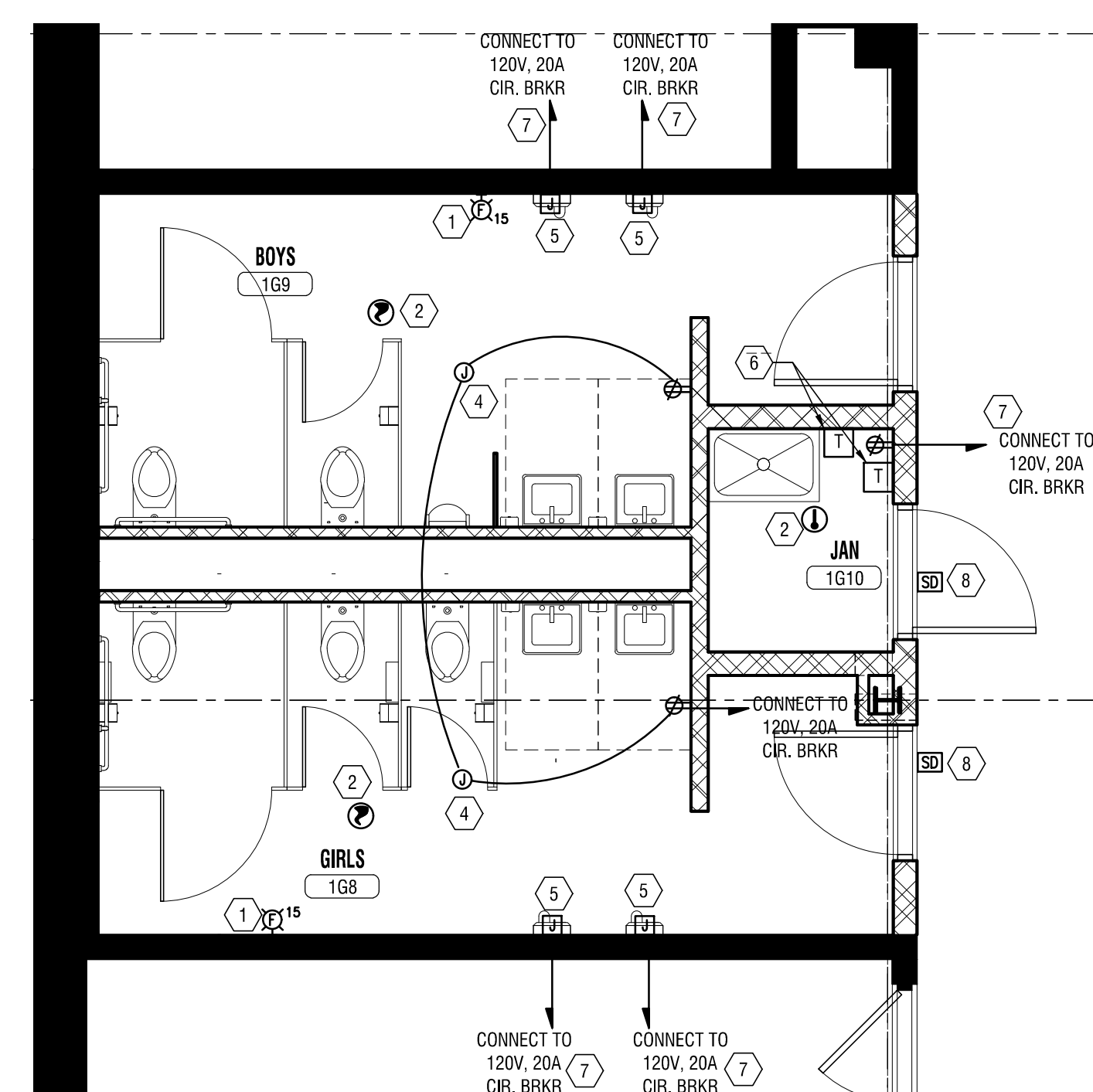
- 1 RE-INSTALL ADDRESSABLE LIGHT STROBE. EXTEND WIRING AS NECESSARY.
- 2 RE-INSTALL ADDRESSABLE HEAT/SMOKE DETECTOR. WITH WIRE GUARD. EXACT LOCATION AND ELEVATION WITH PLUMBING CONTRACTOR.
- 3 PROVIDE GFCI RECEPTACLE FOR DRINKING FOUNTAIN. COORDINATE EXACT LOCATION AND ELEVATION WITH PLUMBING CONTRACTOR.
- 4 PROVIDE JUNCTION BOX ABOVE CEILING FOR WATER CLOSET/URINAL AND AUTO FLUSH VALVE TRANSFORMER. CIRCUIT AS INDICATED. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- 5 PROVIDE POWER FOR HAND DRYER. CIRCUIT AS INDICATED. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR.
- 6 PROVIDE CONTROL TRANSFORMER FOR FIRE DAMPER, PRIMARY 120/277VAC, SECONDARY 24VAC, 40VA MAXIMUM. MOUNT TRANSFORMER NEAR FIRE DAMPER. CONNECT TO NEAREST 120V OR 277V, 20A EMERGENCY LIGHTING CIRCUIT. PROVIDE POWER TO ACTUATOR CONTROLLER THRU A FIRE SYSTEM RELAY. MOUNT RELAY ADJACENT TO DAMPER. PROGRAM RELAY TO CLOSE DAMPER WHEN ANY SPACE SMOKE DETECTOR GOES INTO ALARM. COORDINATE WIRING AND INSTALLATION WITH MECHANICAL CONTRACTOR.
- 7 CIRCUIT TO AVAILABLE SPACE IN NEAREST POWER PANEL 120/208V. PROVIDE 20A-1P CIRCUIT BREAKER AS REQUIRED. PROVIDE (2) #12 AND (1) #12 GRN IN 1/2" EMT. COORDINATE IN FIELD.
- 8 POWER TO SMOKE DAMPER ACTUATORS MUST BE THROUGH A FIRE SYSTEM RELAY. RELAY TO BE MOUNTED ADJACENT TO DAMPER. UPON NEAREST CORRIDOR SMOKE DETECTOR ACTIVATION, RELAY SENDS ACTUATOR SIGNAL TO CLOSE DAMPER. REFER TO MECHANICAL PLANS FOR FIRE SMOKE DAMPER LOCATION.



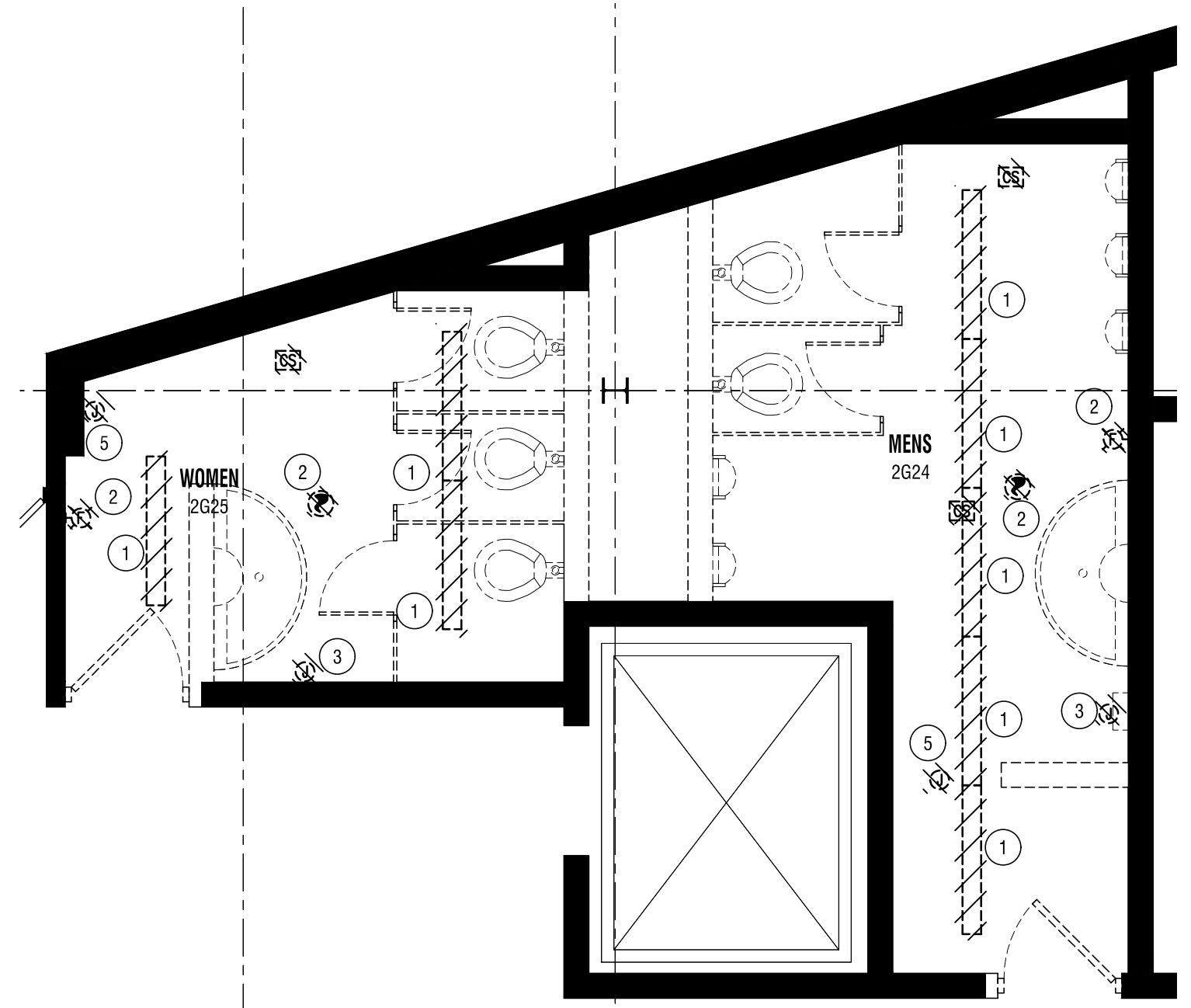
**ENLARGED ELECTRICAL DEMOLITION PLAN
TOILET ROOMS 1G8, 1G9 AND 1G10**
1
E401 1/4"=1'-0"



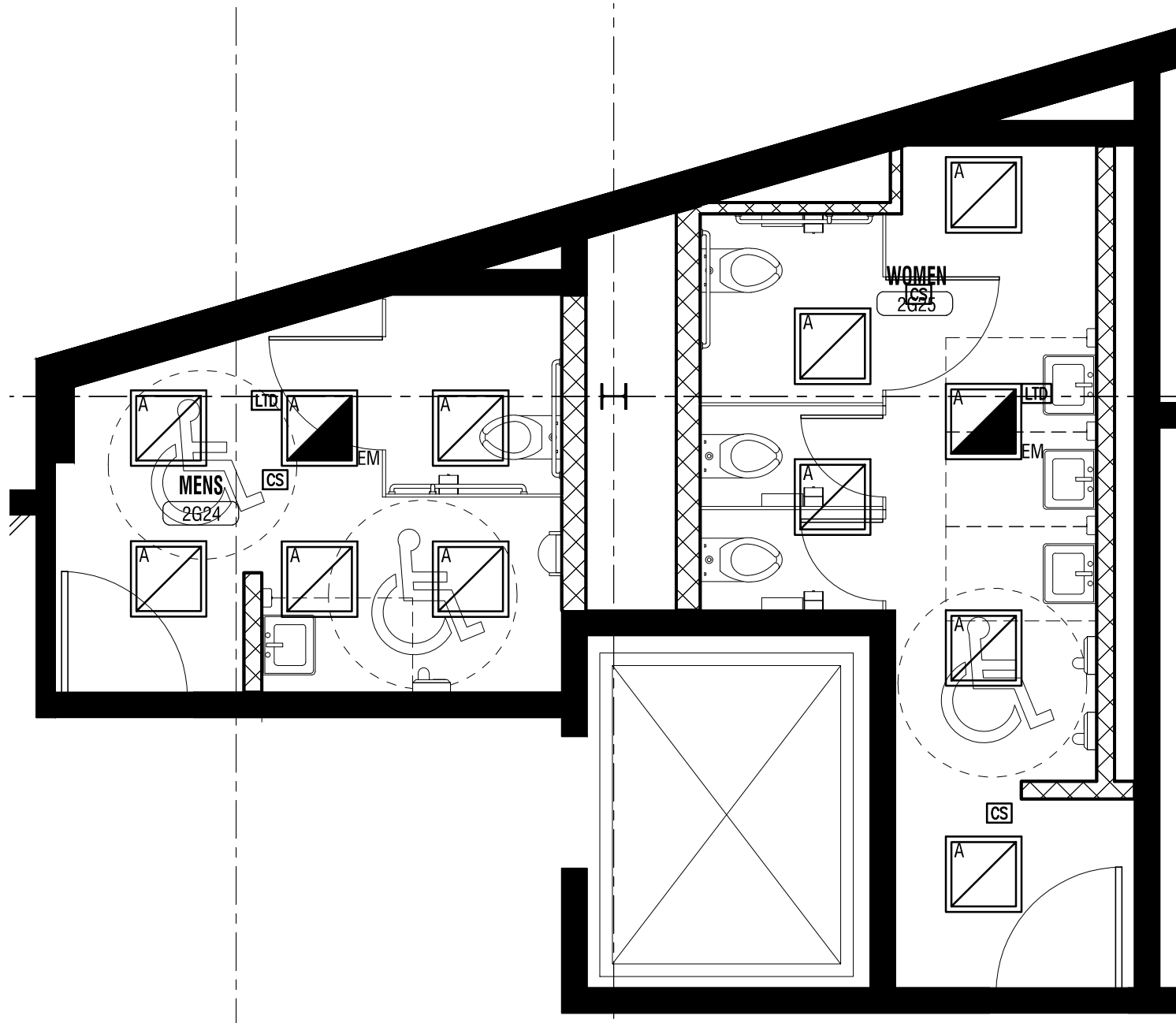
**ENLARGED LIGHTING PLAN
TOILET ROOMS 1G8, 1G9 AND 1G10**
2
E401 1/4"=1'-0"



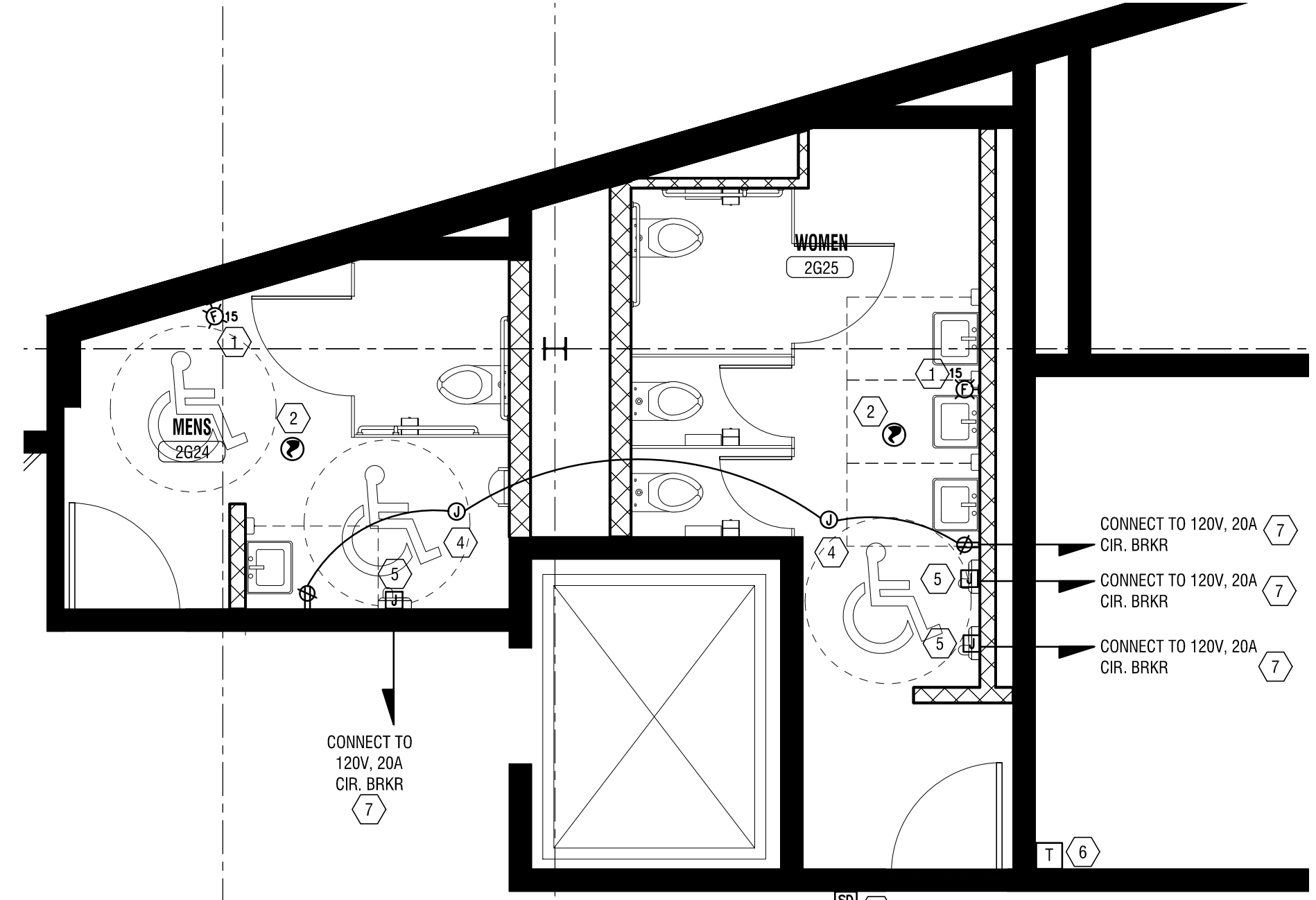
**ENLARGED ELECTRICAL PLAN
TOILET ROOMS 1G8, 1G9 AND 1G10**
3
E401 1/4"=1'-0"



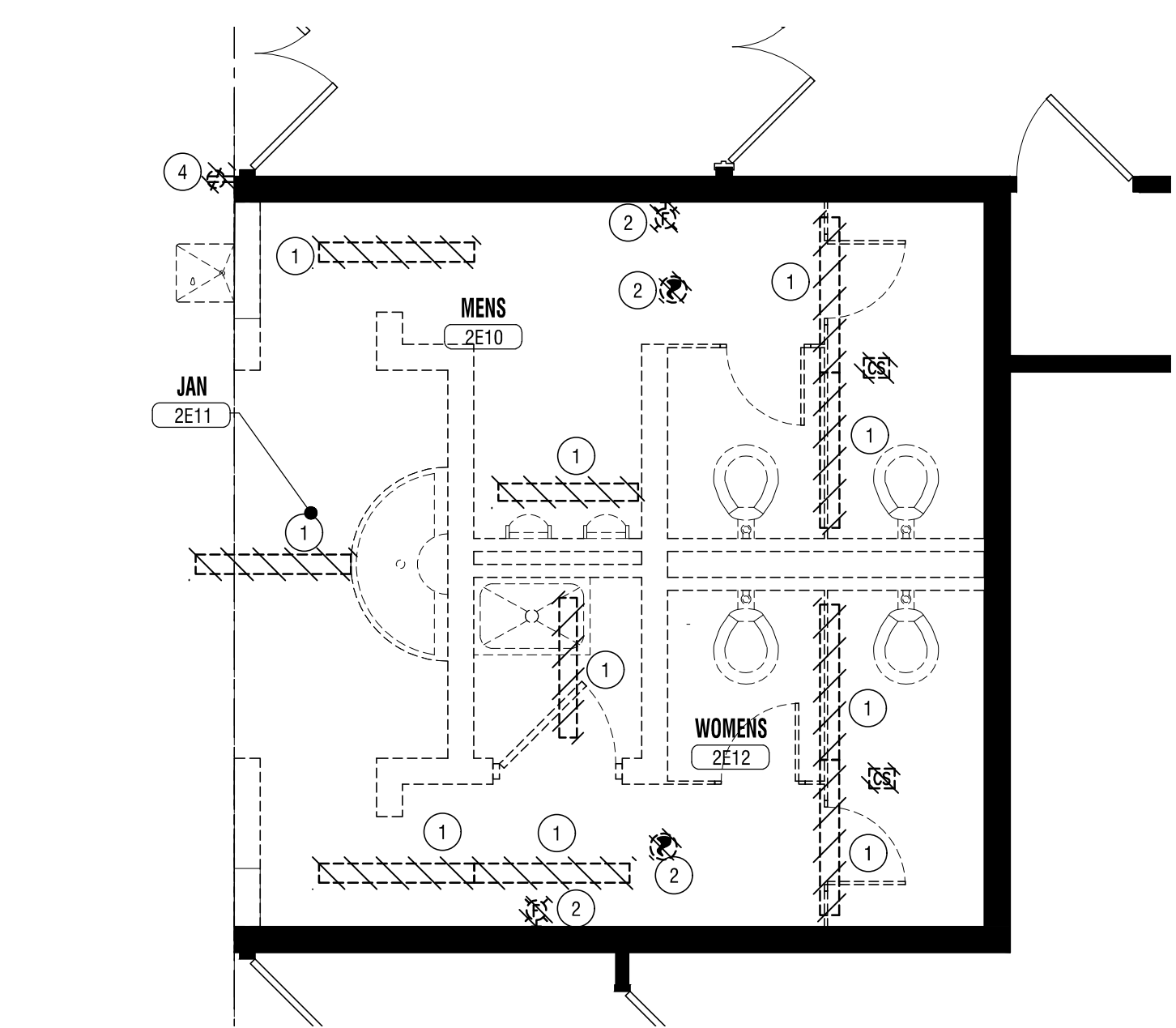
**ENLARGED ELECTRICAL DEMOLITION PLAN
TOILET ROOMS 2G24 AND 2G-25**
4
E401 1/4"=1'-0"



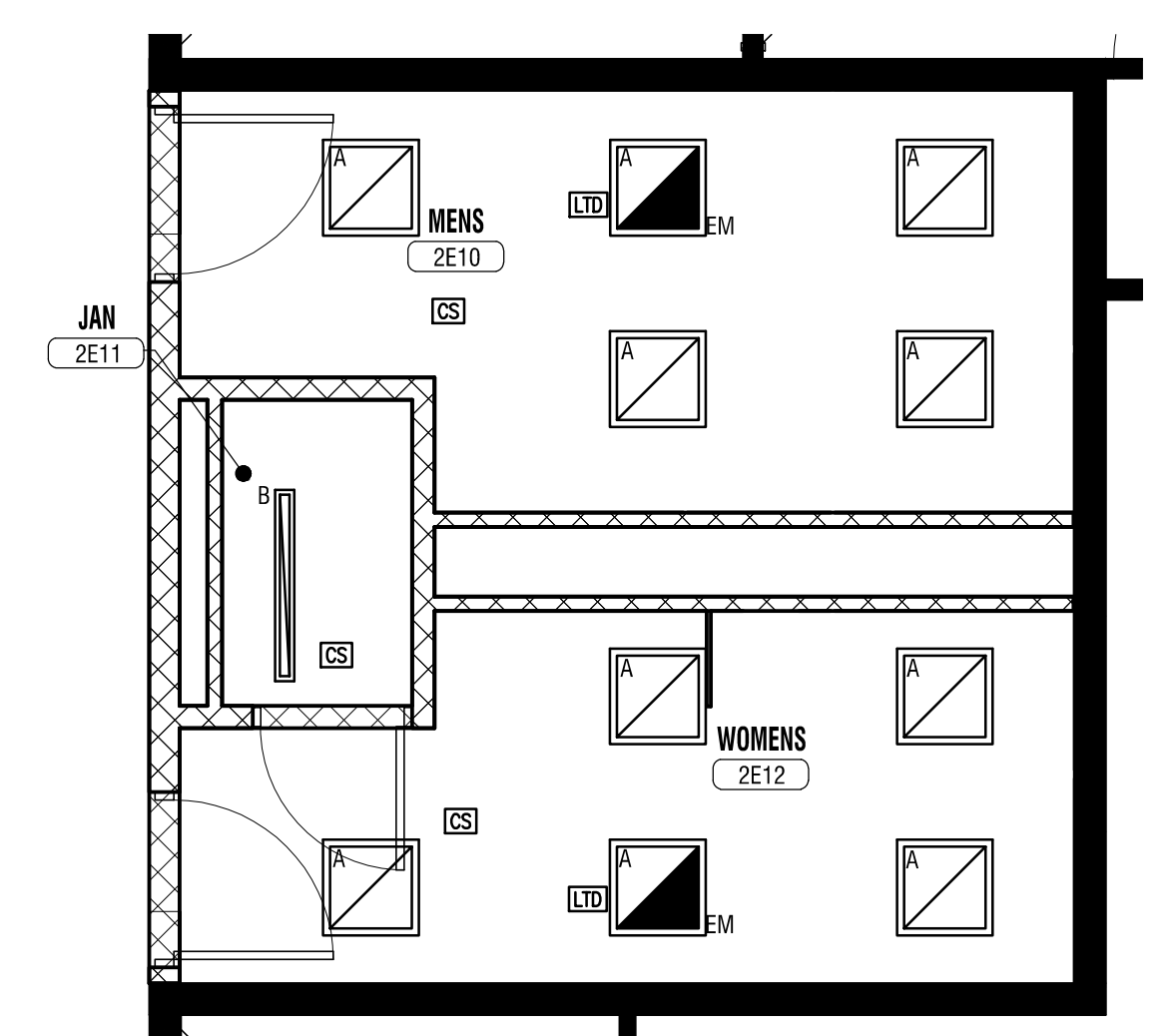
**ENLARGED ELECTRICAL LIGHTING PLAN
TOILET ROOMS 2G-24 AND 2G-25**
5
E401 1/4"=1'-0"



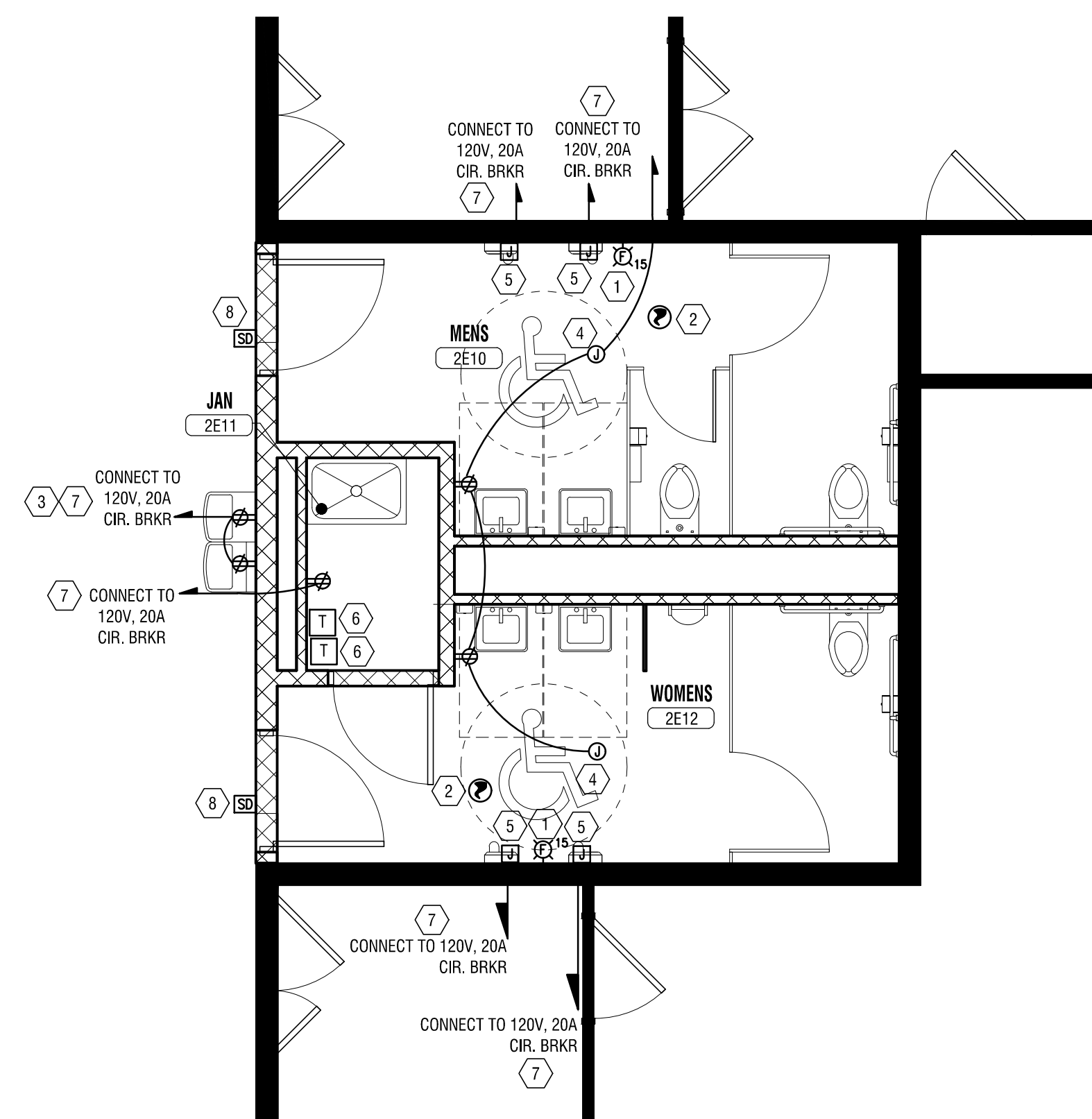
**ENLARGED ELECTRICAL PLAN
TOILET ROOMS 2G-24 AND 2G-25**
6
E401 1/4"=1'-0"



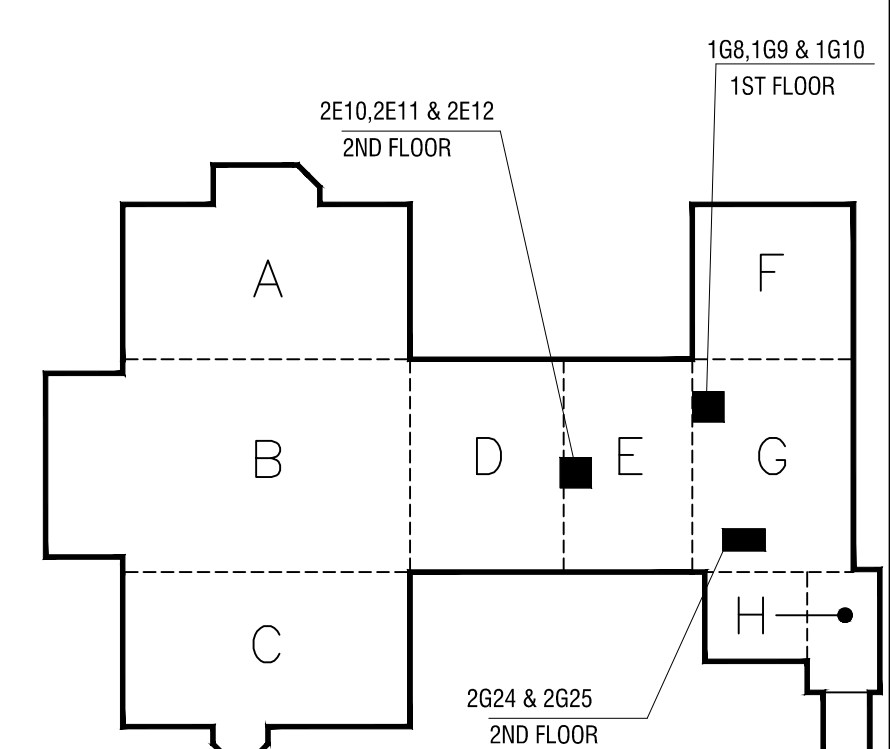
**ENLARGED ELECTRICAL DEMOLITION PLAN
TOILET ROOMS 2E10, 2E12 & JC RM 2E11**
7
E401 1/4"=1'-0"



**ENLARGED ELECTRICAL LIGHTING PLAN
TOILET ROOMS 2E10, 2E12 & JC RM 2E11**
8
E401 1/4"=1'-0"



**ENLARGED ELECTRICAL PLAN
TOILET ROOMS 2E10, 2E12 & JC RM 2E11**
9
E401 1/4"=1'-0"



KEY PLAN
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DRAWING NAME:

**ENLARGED
ELECTRICAL PLANS
1 ST & 2 ND FLR**

DRAWING NUMBER:

E401