

910 NW BLUE PARKWAY, LEE'S SUMMIT, MO 64086

1. MAINTAIN ACCESS TO EXISTING WALKWAYS, CORRIDORS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT WALKWAYS, CORRIDORS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM TENANT.
2. DEFINITIONS:
 - 2.1. REMOVE AND DISCARD: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE.
 - 2.2. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND TURN OVER TO TENANT UNDAMAGED.
 - 2.3. RELOCATE: DETACH ITEMS FROM EXISTING CONSTRUCTION, MOVE ITEMS INTACT AND UNDAMAGED, AND REINSTALL THEM WHERE INDICATED.
 - 2.4. REPAIR: REPAIR OR REPLACE CONSTRUCTION AND SURFACES THAT ARE NOT TO BE REMOVED, BUT ARE TO REMAIN IN PLACE AND BE UNDAMAGED.
 - 2.5. REMOVE AND RECLAIM: DETACH ITEMS FROM EXISTING CONSTRUCTION. AT CONTRACTORS OPTION ITEM MAY BE REUSED AS PART OF NEW WORK. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INVENTORY ITEMS TO DETERMINE IF ITEMS WILL FUNCTION AND APPEAR LIKE THE NEW ITEMS SPECIFIED AND CALLED OUT ON THESE DOCUMENTS. IF ITEMS ARE REUSED, CONTRACTORS IS TO CLEAN, REPAIR, OR OTHERWISE BRING ITEMS TO LIKE NEW CONDITION. MODIFY REUSED ITEMS AS REQUIRED AND SUPPLEMENT WITH MATERIALS, AND INCIDENTALS NECESSARY TO EXECUTE A COMPLETE WORKMANLIKE JOB. IF CONTRACTOR CHOOSES TO NOT REUSE ITEM, LEGALLY DISPOSE OF ITEM OFF-SITE AND REPLACE WITH NEW TO MATCH EXISTING.
 - 2.6. PROVIDE: THE MEANING OF THE WORD "PROVIDE" INCLUDES, BUT IS NOT LIMITED TO, FURNISHED, DELIVERED, INSTALLED, FINISHED, MADE FULLY OPERABLE AND COMPLETE, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL WORK DESCRIBED IN THESE DOCUMENTS IS TO BE PROVIDED BY THE CONTRACTOR.
3. CONTRACTOR IS TO INCLUDE AS PART OF HIS SCOPE ALL CUTTING AND PATCHING REQUIRED TO MAINTAIN CAREFUL MAINTENANCE OF THE EXISTING SITE AND THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL COORDINATE THE CUTTING AND PATCHING OF EXISTING CONSTRUCTION NECESSARY TO PERMIT INSTALLATION OR PERFORMANCE OF THE WORK INDICATED IN THESE CONSTRUCTION DOCUMENTS. SAW-CUT CONC. SLAB AS REQUIRED FOR UTILITIES, FOR EQUIPMENT AND SINKS. VERIFY ROOF AND TRENCH DEPTH IN FIELD. PATCH BACK WITH MATCHING SLAB THICKNESS OVER SAME MATERIAL, COMPLY UNDERLYING MATERIALS TO MEET BEST PRACTICES. DOWEL NEW TO EXISTING WITH #4 REBAR AT 30" OC.
4. WHERE WALLS, CASEWORK, FINISHES, EQUIPMENT OR OTHER ITEMS AND CONSTRUCTIONS HAVE BEEN REMOVED EXPOSING UNDERLYING WALL AND/OR FLOOR SURFACES, SUCH SURFACES ARE TO BE PATCHED AND REPAIRED AS REQUIRED TO ACCEPT NEW FINISHES. ALL HOLES, DAMAGES, DEFECTS, ETC. IN EXISTING SURFACES ARE TO BE PATCHED TO MATCH EXISTING CONDITIONS.
5. EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE BASED UPON BASE BUILDING OR OTHER CONSTRUCTION DOCUMENTS MADE AVAILABLE TO THE DESIGNER BY THE BUILDING MANAGEMENT. ALL AS-BUILT ARCHITECTURAL CONDITIONS HAVE NOT BEEN FIELD VERIFIED AND MAY VARY FROM THOSE SHOWN.
6. PRIOR TO BID: FIELD VERIFY ALL EXISTING CONSTRUCTION TO REMAIN AND INCLUDE COSTS FOR REPAIR AND RECONSTRUCTION OF ALL EXISTING CONSTRUCTION TO REMAIN SO THAT IT MEETS THE AESTHETIC AND FUNCTIONAL STANDARD OF QUALITY FOR NEW CONSTRUCTION. BLEND AND MATCH EXISTING CONSTRUCTION WITH NEW CONSTRUCTION. PRIOR TO BID, ADVISE TENANT OF ANY CONDITIONS WHICH CANNOT BE REPAIRED OR RECONDITIONED, BLENDED AND MATCHED. NOTE CONTRACT DOCUMENT REQUIREMENTS FOR EXISTING CONSTRUCTION AND INCLUDE COSTS FOR THIS WORK IN BID PROPOSAL.
7. THE GENERAL CONTRACTOR SHALL, IN THE BIDDING PROCESS, REQUIRE THAT MECHANICAL AND ELECTRICAL SUBCONTRACTORS MAKE A THOROUGH FIELD INSPECTION OF AS-BUILT CONDITIONS OF EXISTING SYSTEMS. AFTER SUCH FIELD VERIFICATION HAS BEEN COMPLETED, THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PROVIDE IN THEIR BIDS, ANY MODIFICATIONS TO THE EXISTING SYSTEMS WHICH MAY BE REQUIRED TO ACCOMMODATE THE PROPOSED REQUIREMENTS FOR THIS TENANT. IF A DETERMINATION OF SUCH MODIFICATIONS CANNOT BE MADE, THE GENERAL CONTRACTOR SHALL NOTIFY THE TENANT, AND AT THE DIRECTION OF THE TENANT, PROVIDE AN AGREED UPON ALLOWANCE TO COVER SUCH WORK.
8. COMMENCING WORK BY A CONTRACTOR OR SUBCONTRACTOR CONSTITUTES ACCEPTANCE OF THE UNDERLYING CONSTRUCTION AND SURFACES PRIOR TO PROCEEDING WITH THE WORK. PREPARE EXISTING AND NEW UNDERLYING CONDITIONS AND SUBSTRATE TO COMPLY WITH THE CONTRACT DOCUMENTS, INDUSTRY STANDARDS AND MANUFACTURER'S RECOMMENDATION.
9. FIELD VERIFY ALL ROUGH OPENINGS AND WALL WIDTHS PRIOR TO ORDERING OR FABRICATION OF MATERIALS.
10. DIMENSIONS ARE NOMINAL AND TO THE FACE OF PARTITIONS.
11. CLEAN-UP OF RUBBISH AND DEBRIS RESULTING FROM DEMOLITION AND NEW WORK SHALL BE COLLECTED REGULARLY FROM PROJECT SITE AND LEGALLY DISPOSED.
12. ALL WEATHER EXPOSED SURFACES SHALL HAVE A WEATHER RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING AND EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF.
13. BUILDING ADDRESS NUMBERS SHALL BE PROVIDED AND PLACED IN A POSITION ON THE BUILDING WHICH MUST BE LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. THESE NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. IN MULTI-TENANT COMMERCIAL BUILDINGS WHERE TENANTS HAVE MULTIPLE ENTRANCES LOCATED ON DIFFERENT SIDES OF THE BUILDING EACH DOOR SHALL BE ADDRESSED. ADDRESS NUMBERS SHALL BE ARABIC NUMERALS OR ALPHABET LETTERS. NUMBERS SHALL BE A MINIMUM OF 4 INCHES (102 MM) HIGH WITH A MINIMUM STROKE WIDTH OF 0.5 INCH (12.7 MM).
14. CONTRACTORS ARE RESPONSIBLE FOR ALL MATERIALS AND QUANTITIES SHOWN IN THESE DRAWINGS GRAPHICALLY AS WELL AS THOSE CALLED FOR BY NOTE.
15. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE THE PROPOSED WORK AND SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
16. THE TENANT OR THE TENANT'S DESIGNATED REPRESENTATIVE WILL PROVIDE SERVICES IN CONNECTION WITH ADMINISTRATION OF THE CONTRACT.
17. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS OF THE GOVERNING AGENCIES HAVING JURISDICTION.
18. THE CONTRACTOR MUST TAKE ADEQUATE CARE TO PROTECT ALL AREAS OF THE BUILDING WHERE THE WORK OF THIS PROJECT IS LOCATED AS WELL AS THE AREAS ADJACENT TO THE AREA OF THE WORK OF THIS PROJECT SO AS TO PREVENT DAMAGE TO LIFE OR PROPERTY AS A RESULT OF THIS CONSTRUCTION PROJECT.
19. ONLY MATERIALS THAT ARE NEW, UNUSED, FREE FROM DEFECTS, AND THE BEST OF THEIR RESPECTIVE KINDS SHALL BE USED. THE BASIS OF QUALITY
20. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES INCLUDING THOSE OF THE TENANT WHO MAY BE ENGAGED UNDER A SEPARATE CONTRACT.
21. INSTALL ALL WORK IN SUCH A MANNER AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND/OR REPAIRS.
22. ALL WORK AND EQUIPMENT SHALL BE CLEANED TO THE SATISFACTION OF THE TENANT BEFORE BEING TURNED OVER FOR USE.
23. A COPY OF THE LATEST SET OF CONSTRUCTION DOCUMENTS SHALL BE KEPT AT THE JOB SITE AT ALL TIMES.
24. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL KEEP ACCURATE RECORDS OF ANY MODIFICATION OR DEVIATIONS FROM THE CONTRACT DRAWINGS.
25. PROJECT CLOSE OUT DOCUMENTS SHALL BE PROVIDED TO THE TENANT. INCLUDE AS-BUILT DRAWINGS, WARRANTY/MAINTENANCE MANUALS AND TESTING AND SUPERVISION AS REQUIRED. PRESERVE ALL PRINTED INSTRUCTIONS AND WARRANTIES THAT ARE PROVIDED WITH EQUIPMENT OR MATERIALS USED, AND DELIVER SAID PRINTED MATTER TO THE TENANT AT THE TIME OF SUBstantial COMPLETION. IF REQUESTED BY THE TENANT, INSTRUCT THE MANAGEMENT IN THE PROPER USE AND MAINTENANCE OF ALL ITEMS OF WORK PROVIDED.
26. PROVIDE WORK IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION, EXCEPT IN THE CASE WHERE THE CONTRACT DOCUMENTS ARE MORE STRINGENT. PROVIDE ANY MISCELLANEOUS ITEMS OR MATERIALS NOT SPECIFICALLY NOTED, BUT REQUIRED FOR PROPER INSTALLATION OF THE WORK.
27. ALL WORK SHALL BE WARRANTED BY THE CONTRACTOR TO BE SATISFACTORY, IN MATERIALS AND WORKMANSHIP, FOR A MINIMUM PERIOD OF ON (1) YEAR, OR FOR THE PERIOD OF WARRANTY CUSTOMARY, SPECIFIED FOR, THE TRADE, CRAFT OR PRODUCT, WHICHEVER IS LONGER.
28. SUBMIT REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS IN WRITING, ACCOMPANIED BY THE ALTERNATIVE PRODUCT INFORMATION, TO THE TENANT. SUBSTITUTIONS MAY BE CONSIDERED ONLY IF THEY DO NOT SACRIFICE QUALITY, APPEARANCE AND FUNCTION. ACCEPTANCE OF SUBSTITUTIONS IS AT THE SOLE DISCRETION OF THE TENANT.

BUSINESS LOAD =
 $345.1 \text{ sf} @ 150 \text{ sf/P}$
 $= 2.64 \text{ Occupants}$

ACCESSORY LOAD =
 $264 \text{ sf} @ 300 \text{ sf/P}$
 $= 0.90 \text{ Occupants}$

EXERCISE LOAD =
 $1530.1 \text{ sf} @ 50 \text{ sf/P}$
 $= 30.61 \text{ Occupants}$

$P=50\%$

$P=25\%$

EXIT

EXIT



A. TENANT FINISH

B. ALL CONSTRUCTION FOR THIS PROJECT SHALL BE PERFORMED UNDER THE PROVISIONS OF FOLLOWING LIST OF CODES, AS AMENDED BY THE CITY OF LEES SUMMIT, MISSOURI:

- B.1. 2018 International Building Code
- B.2. 2018 International Plumbing Code
- B.3. 2018 International Mechanical Code
- B.4. 2018 International Fire Gas Code
- B.5. 2018 International Residential Code
- B.6. 2018 International Fire Code
- B.7. 2017 National Electrical Code
- B.8. ICC/ANSI A117.1 (2009) Accessible and Usable Buildings and Facilities

C. Use, Occupancy Classification, and Type of Construction:

- C.1. Tenant Use: Exercise Studio
- C.2. Tenant Occupancy Classification: A3 (unchanged)
- C.3. Building Type of Construction: IIB

D. Tenant Square Foot: 2,195.4 SF occupied, 2,343 SF gross

E. Fire Protection Systems:

- E.1. Automatic Sprinkler Systems: Provided,
- E.2. Fire Alarm and Detection Systems: Provided.

F. Tenant Occupant Load (see plan) 35 Occupants

PROJECT LOCATION

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WARD ROAD

NW BLUE PARKWAY

PROJECT LOCATION

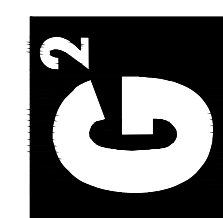


REV#	DATE	DESCRIPTION
1	6-23-25	CODE CORRECTION

Issue Date: 6-16-25

Project #: 2500

**GUY GRONBERG
ARCHITECTS, P.C.**



**FITNESS STUDIO
SUMMIT FAIR**

910 NW BLUE PARKWAY, LEE'S SUMMIT, MO 64086

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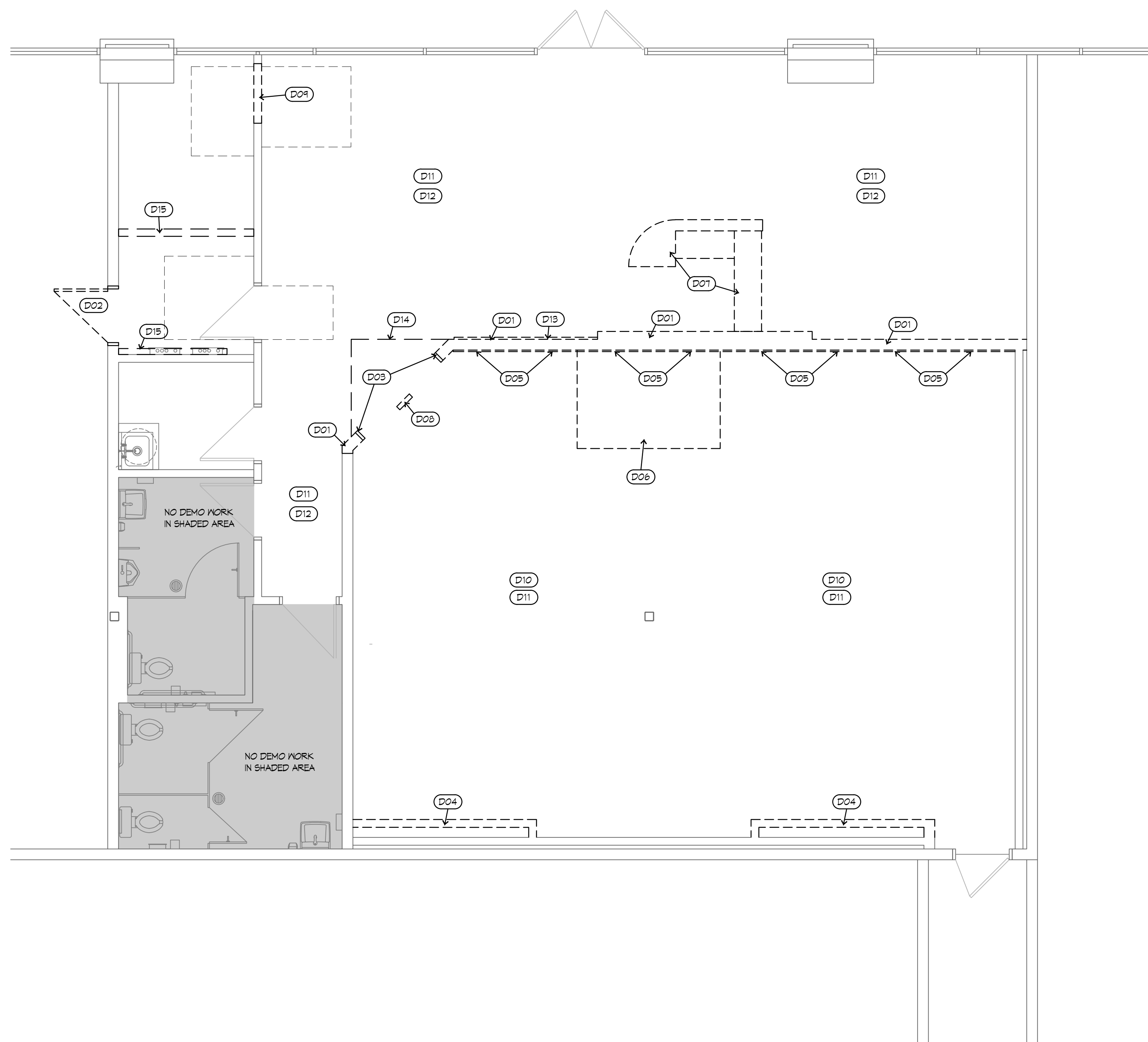
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SCORING ARCHITECTS P.C.

	REV#		DATE	DESCRIPTION
Issue Date:				6-18-20
Project #:				2500

A2

1. THROUGHOUT AREA OF WORK, REMOVE AND DISCARD ALL UNUSED LIGHT FIXTURES, EXIT AND EMERGENCY FIXTURES. REMOVE AND DISCARD ALL UNUSED ELECTRICAL OUTLETS AND SIMILAR DEVICES. REMOVE AND DISCARD ALL UNUSED CONDUIT AND WIRE BACK TO ELECTRICAL SERVICE. REMOVE AND DISCARD ELECTRICAL FLOOR DEVICES THAT ARE NOT FLUSH WITH FLOOR TO BELOW FLOOR SLAB. PATCH AND REPAIR FLOOR SLAB.
2. THROUGH OUT ARE OF WORK REMOVE AND DISCARD ALL UNUSED MECHANICAL DIFFUSERS, REGISTERS AND DUCTWORK.

- (D01) REMOVE AND DISCARD INTERIOR NON-LOAD BEARING PARTITION.
- (D02) REMOVE AND RECLAIM DOOR, FRAME, AND HARDWARE.
- (D03) REMOVE AND DISCARD FRAME
- (D04) REMOVE AND DISCARD INTERIOR FURRED OUT PARTITION.
- (D05) REMOVE AND RECLAIM WALL MOUNTED MIRROR.
- (D06) REMOVE AND DISCARD BUILT UP PLATFORM.
- (D07) REMOVE AND SALVAGE CHECK-IN DESK.
- (D08) REMOVE AND DISCARD EXIT SIGN.
- (D09) REMOVE AND DISCARD PORTION OF INTERIOR PARTITION AND REFRAME AS REQUIRED FOR NEW OPENING INDICATED ON FLOOR PLAN
- (D10) THROUGHOUT ROOM OR AREA REMOVE AND DISCARD ACOUSTICAL CEILING TILE, EXPOSED T GRID, LIGHT FIXTURES, DIFFUSERS, FANS, AND OTHER CEILING MOUNTED ITEMS.
- (D11) THROUGHOUT ROOM OR AREA REMOVE AND DISCARD WALL BASE.
- (D12) THROUGHOUT ROOM OR AREA REMOVE AND DISCARD EXISTING TILE FLOORING. REMOVAL IS TO INCLUDE THE REMOVAL OF FLOORING GROUT, THIS-SET MORTAR AND MASTICS AS REQUIRED TO MEET THE INSTALLATION REQUIREMENTS FOR THE NEW FLOORING TO BE PLACED.
- (D13) REMOVE AND SALVAGE SLOTTED WALL DISPLAY PANEL AND PERIMETER TRIM.
- (D14) REMOVE PORTION OF GYPSUM BOARD SOFFIT AND FRAMING. REFER TO CEILING PLAN FOR EXTENTS.
- (D15) NEATLY CUT, REMOVE AND DISCARD EXISTING TILE, GROUT, AND MASTIC AT LOCATIONS OF NEW WALLS. NEW WALL ARE TO BE INSTALLED WITH BOTTOM TRACK ON CONCRETE SLAB.



1 DEMOLITION PLAN
1/8"=1'-0"





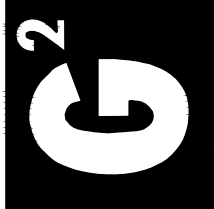
- (G01) PROVIDE 3/4" GYPSUM BOARD ON 3/4" METAL STUD FRAMING FROM EXISTING GYPSUM BOARD CEILING UP TO UNDERSIDE OF METAL DECK. PATCH AND REPAIR SOFFIT AS REQUIRED. PRIME AND PAINT.
- (G02) EXISTING DUCTWORK TO BE PAINTED ACCENT COLOR.
- (G03) NEW DUCTWORK EXTENSIONS TO BE PAINTED ACCENT COLOR.
- (G04) EXISTING TO REMAIN LIGHT FIXTURE TYPICAL AS SHOWN.
- (G05) NEW LIGHT FIXTURE TO MATCH EXISTING TYPICAL AS SHOWN.
- (G06) NEW DIFFUSER TO MATCH EXISTING TYPICAL AS SHOWN.
- (G07) PAINT CEILING "PT3"
- (G08) NEW OR RECLAIMED CEILING FAN. COORDINATE MOUNTING HEIGHT AND METHOD WITH TENANT. BLADES OF FAN TO BE BELOW BOTTOM CHORD OF ROOF TRUSSES.

MECHANICAL GENERAL NOTES

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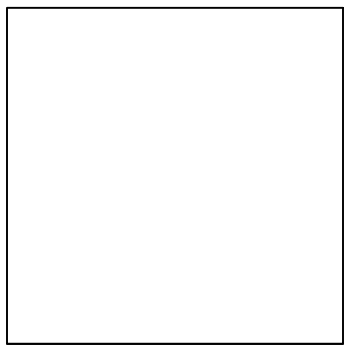


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**FITNESS STUDIO
SUMMIT FAIR**
910 NW BLUE PARKWAY, LEE'S SUMMIT, MO 64086



REV#	DATE	DESCRIPTION			
Issue Date:			6-17-25		
Project #:			25009		

PLUMBING FLOOR
PLAN

P1

PLUMBING GENERAL NOTES:

- INSTALL ALL PIPE, ETC. AS HIGH AS POSSIBLE.
- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACES AVAILABLE, AND WITHOUT INTERFERENCES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF FIXTURES.
- REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR SUPPORTING PIPING, EQUIPMENT, ETC. FROM THE STRUCTURE. PROVIDE ADDITIONAL STEEL AS REQUIRED TO PROPERLY SUPPORT SYSTEMS FROM THE STRUCTURE.
- SAWCUT EXISTING FLOOR AS REQUIRED FOR INSTALLATION OF UNDERFLOOR PIPING. PATCH FLOOR TO MATCH EXISTING.
- NO PIPING SHALL BE ROUTED OVER THE TOP OF ELECTRICAL PANELS.
- CONTRACTOR TO TEST WATER PRESSURE ON SITE AND PROVIDE PRESSURE REDUCING VALVE ON WATER SERVICE IF PRESSURE IS OVER 80 PSI.

PLUMBING SYMBOLS

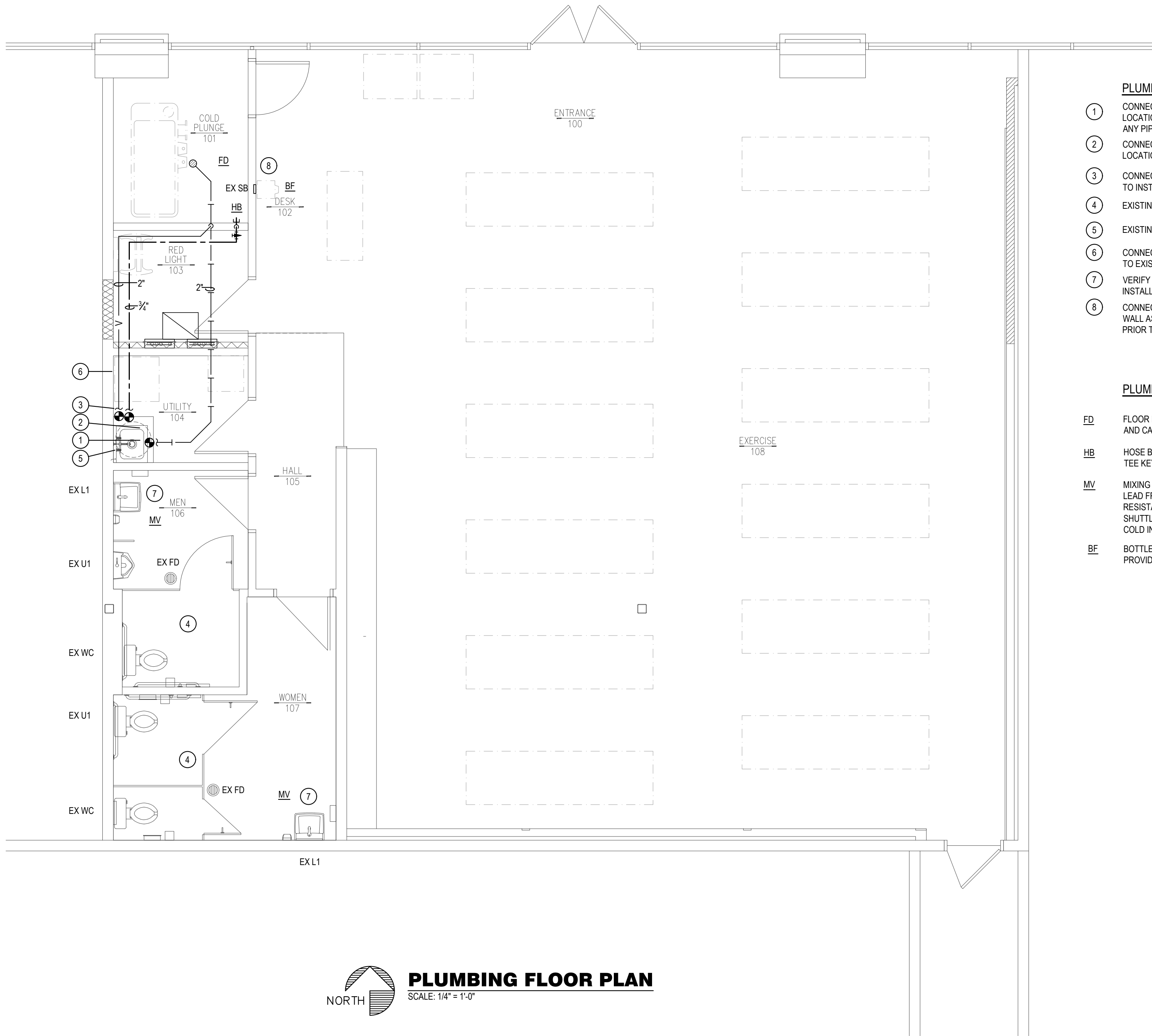
	SOIL AND WASTE PIPING BELOW FLOOR/GRADE
	SOIL AND WASTE PIPING ABOVE FLOOR/GRADE
	SANITARY VENT PIPING ABOVE GRADE
	SANITARY VENT PIPING BELOW GRADE
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	PIPING TURNING DOWN
	PIPING TURNING UP
	TEE TOP CONNECTION
	UNION
	BACKFLOW PREVENTER
	FLOOR DRAIN
	FLOOR CLEAN OUT
	WALL CLEAN OUT
	GRADE CLEAN OUT
	VALVE
	BALANCING VALVE
	SOLENOID VALVE
	PRESSURE REGULATOR
	CHECK VALVE
	CONNECT TO EXISTING

PIPE HANGER SCHEDULE		
PIPE MATERIAL	MAXIMUM HANGER SPACING	HANGER ROD DIAMETER
ABS (All sizes)	4'	3/8"
PVC (All Sizes)	4'	3/8"
CPVC, 1 inch and smaller	3'	1/2"
CPVC, 1-1/4 inches and larger	4'	1/2"
Cast Iron (All Sizes)	5'	5/8"
Cast Iron (All Sizes) with 10 foot length of pipe	10'	5/8"
Copper Tube, 1-1/4 inches and smaller	6'	1/2"
Copper Tube, 1-1/2 inches and larger	10'	1/2"
Steel, 3 inches and smaller	12'	1/2"
Steel, 4 inches and larger	12'	5/8"
Pex, 1" and below without support channel	32"	3/8"
Pex, 1-1/4" and above without support channel	48"	3/8"
Pex 3/4" and below with support channel	6'	3/8"
Pex 1" and above with support channel	8'	3/8"

PEX PIPING REQUIREMENTS

PIPE SIZES GIVEN ON THE DRAWINGS ARE NOMINAL COPPER PIPE SIZE. IF PEX PIPING IS USED, INCREASE PEX PIPING ONE SIZE ABOVE LISTED SIZES AS REQUIRED TO EQUAL OR EXCEED COPPER PIPE INSIDE DIAMETER.

PLUMBING FIXTURE BRANCH PIPING SCHEDULE				
FIXTURE	WASTE	VENT	CW	HW
FLOOR DRAIN	2"	2"	--	--
HOSE BIBB	-	-	3/4"	-



PLUMBING PLAN NOTES:

- CONNECT WASTE TO EXISTING SANITARY SEWER AS REQUIRED. VERIFY EXACT LOCATION, DIRECTION OF FLOW AND ELEVATION PRIOR TO INSTALLATION OF ANY PIPING.
- CONNECT CW TO EXISTING DOMESTIC CW AS REQUIRED. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
- CONNECT VENT TO EXISTING VENT AS REQUIRED. VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
- EXISTING RESTROOM TO REMAIN.
- EXISTING MOP BASIN/WATER HEATER TO REMAIN. VERIFY IN PROPER WORKING ORDER.
- CONNECT CW, HW, AND WASTE FOR NEW TENANT-PROVIDED WASHING MACHINE TO EXISTING WASHER BOX AS REQUIRED.
- VERIFY IF EXISTING MIXING VALVE IS PRESENT FOR LAVATORY. PROVIDE AND INSTALL MV IF NONE FOUND TO BE EXISTING.
- CONNECT BOTTLE FILLER TO EXISTING CW SUPPLY BOX AND WASTE STUB-OUT IN WALL AS REQUIRED PER MANUFACTURER'S INSTRUCTIONS. VERIFY LOCATION PRIOR TO INSTALLATION.

PLUMBING FIXTURE SCHEDULE:

- FD** FLOOR DRAIN: SIOUX CHIEF, #842, PVC FLOOR DRAIN WITH ADJUSTABLE TOP AND CAST BRASS STRAINER. PROVIDE TRAP SEAL DEVICE.
- HB** HOSE BIBB: WOODFORD, #24, 3/4" HOSE NOZZLE OUTLET, BRASS FINISH, TEE KEY OPERATED, INTEGRAL VACUUM BREAKER.
- MV** MIXING VALVE: WATTS, #LFUSG-B, THERMOSTATIC CONTROLLED MIXING VALVE, LEAD FREE BRONZE BODY, LOCKED TEMPERATURE ADJUSTMENT CAP (VANDAL RESISTANT), COPPER ENCAPSULATED THERMOSTAT ASSEMBLY WITH BRASS SHUTTLE, STAINLESSSTEEL SPRINGS, INTEGRAL CHECK VALVES ON HOT AND COLD INLETS. (SET TO 110°F). ASSE 1070 LISTED.
- BF** BOTTLE FILLER: PROVIDED BY OWNER, INSTALLED BY PLUMBING CONTRACTOR. PROVIDE P-TRAP, CHROME PLATED RISER.



PLUMBING FLOOR PLAN

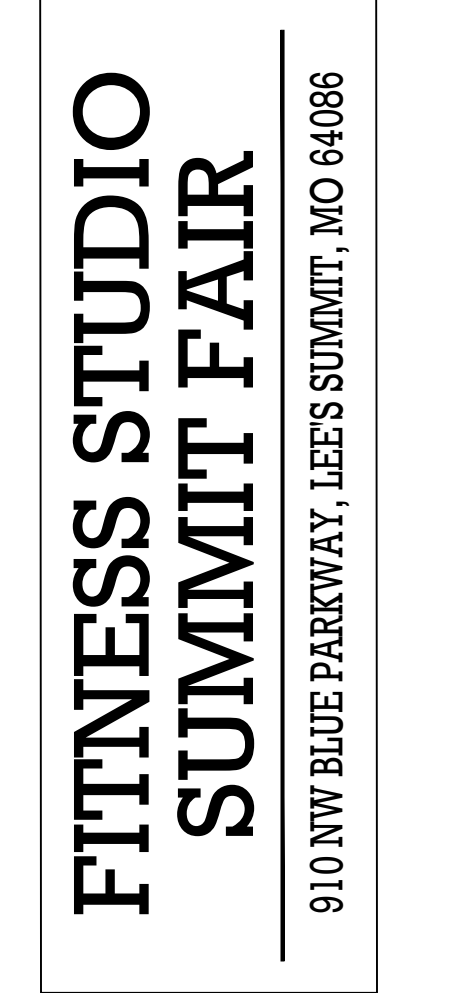
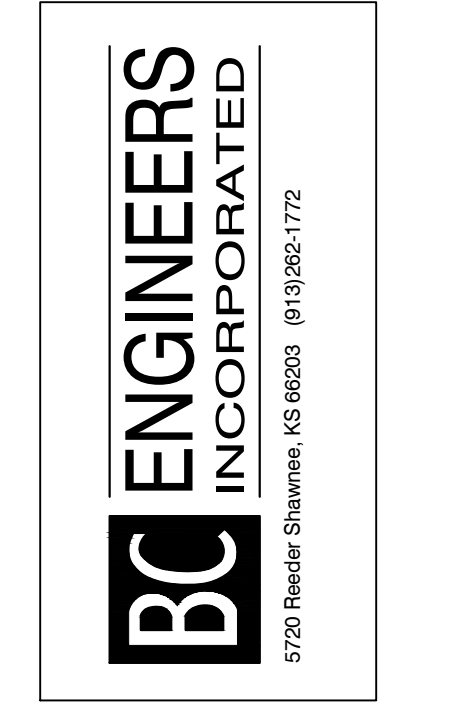
SCALE: 1/4" = 1'-0"

FIRE PROTECTION NOTES:

- THE EXISTING SPACE IS PROTECTED WITH AN EXISTING WET PIPE SPRINKLER SYSTEM. RELOCATE AND PROVIDE ADDITIONAL SPRINKLER HEADS AND PIPING AS REQUIRED FOR THE NEW CONSTRUCTION. SPRINKLER HEADS IN FINISHED CEILINGS SHALL BE SEMI-RECESSED PENDENT TYPE (VERIFY FINISH). SPRINKLER HEADS IN ROOMS WITHOUT CEILINGS SHALL BE UPRIGHT BRASS TYPE HEADS.
- SPRINKLER WORK SHALL BE PERFORMED BY A LICENSED SPRINKLER CONTRACTOR PRE-APPROVED BY THE OWNER/LANDLORD.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR NEW WALL CONSTRUCTION.
- SPRINKLER PIPING SHALL MATCH EXISTING AND COMPLY WITH NFPA 13.
- SPRINKLER SYSTEM (SHOP DRAWINGS) SHALL BE APPROVED BY THE LOCAL FIRE AUTHORITY AND OWNERS/LANDLORD'S INSURANCE CARRIER PRIOR TO START OF WORK.

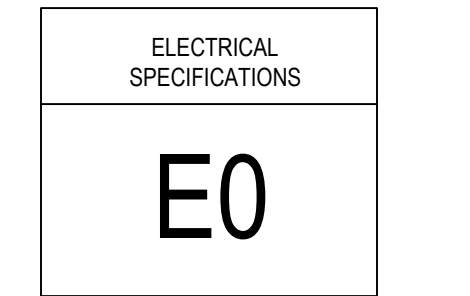
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REV#	DATE	DESCRIPTION

Issue Date:	6-17-25
Project #:	25009



ELECTRICAL SPECIFICATIONS

- GENERAL PROVISIONS:
 - PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, NECESSARY FOR THE COMPLETE INSTALLATION OF THE ELECTRICAL SYSTEMS OUTLINED.
 - OBTAIN ALL PERMITS, FEES, LICENSES, INSPECTIONS, AND CERTIFICATES OF COMPLIANCE OR APPROVAL AS REQUIRED BY THE AUTHORITIES.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRIC CODE (NEC), AND ALL APPLICABLE LAWS, CODES AND REGULATIONS OF THE GOVERNMENTAL BODIES HAVING JURISDICTION OVER THE SITE.
 - ALL TESTING REQUIRED BY AUTHORITIES SHALL BE CONSIDERED PART OF THIS WORK.
 - DURING CONSTRUCTION, ALL FIXTURES, EQUIPMENT, CONDUIT, ETC. SHALL BE COVERED, PLUGGED, OR CAPPED AS REQUIRED TO KEEP CLEAN AND UNDAMAGED. ALL DAMAGED ITEMS SHALL BE RESTORED TO ORIGINAL CONDITION OR REPLACED. ALL PROTECTIVE COVERING SHALL BE REMOVED BEFORE FINAL ACCEPTANCE.
 - PROVIDE ALL NECESSARY CUTTING AND PATCHING OF WALLS, FLOORS, CEILINGS, AND ROOFS AS NECESSARY. PATCH AROUND ALL OPENINGS SHALL MATCH ADJACENT AREA. COORDINATE ALL ROOFING WORK WITH OWNER OR RESPONSIBLE PARTY, SO THAT THE EXISTING ROOFING WARRANTY WILL BE MAINTAINED.
 - CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS AGAINST DEFECTS FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE.
 - CONTRACTOR SHALL PROVIDE ACCESS PANELS WHERE NECESSARY FOR CONCEALED ELECTRICAL COMPONENTS.
 - CONTRACTOR SHALL PROMPTLY CALL ENGINEERS ATTENTION TO ANY APPARENT CONTRADICTIONS, AMBIGUITIES, ERRORS, DISCREPANCIES, OR OMISSIONS IN THE PLANS OR SPECIFICATIONS.
 - OPERATION AND MAINTENANCE MANUALS:
 - DURING THE COURSE OF CONSTRUCTION, COLLECT AND COMPILE OPERATING INSTRUCTIONS, WIRING DIAGRAMS, CATALOG CUTS, LUBRICATION AND PREVENTIVE MAINTENANCE INSTRUCTIONS, PARTS LISTS, ETC. FOR ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT.
 - ALL LITERATURE AND INSTRUCTIONS SHIPPED WITH THE EQUIPMENT SHALL BE SAVED FOR INCLUSION IN THE OPERATION AND MAINTENANCE MANUALS.
 - ALL LITERATURE LISTED ABOVE AND ALL PAPERS LISTING WARRANTIES, ETC. SHALL BE COLLATED AND LABELED WITH THE PROJECT NAME, ADDRESS, ARCHITECT, ENGINEER, CONTRACTORS, ETC. DOCUMENTS SHALL BE COMPILED AND BOUND IN DIGITAL FILE OR 3 RING BINDER.
 - MANUFACTURERS:
 - MANUFACTURERS, MODEL NUMBERS, ETC. INDICATED OR SCHEDULED ON THE DRAWINGS SHALL BE INTERPRETED AS HAVING ESTABLISHED A STANDARD OF QUALITY AND SHALL NOT BE CONSIDERED AS LIMITING COMPETITION. ARTICLES, FIXTURES, ETC. OF EQUAL QUALITY BY MANUFACTURERS SHALL BE ACCEPTABLE, SUBJECT TO STRUCTURAL AND ELECTRICAL CONSTRAINTS OF THE PROJECT DESIGN, UNLESS NOTED OTHERWISE.
 - TESTING, AND BALANCING:
 - ALL CIRCUITS SHALL BE TESTED FOR CONTINUITY, SHORTS, AND GROUNDS BEFORE CONNECTING TO THE PROPER PHASE AS DESIGNED TO BALANCE THE LOADING BETWEEN PHASES.
 - POWER AND LIGHTING PANELS SHALL BE PROPERLY PHASED TO DISTRIBUTE THE LOAD AND SHALL BE CONNECTED AND ADJUSTED TO OPERATE AS SPECIFIED.
 - ALL MOTORS AND SIMILAR EQUIPMENT SHALL BE CHECKED FOR PROPER PHASE ROTATION AND OPERATION.
 - RACEWAYS:
 - CONDUIT INSIDE THE BUILDING SHALL BE METALLIC TUBING (EMT), BEARING THE UL LABEL, WITH COMPRESSION TYPE FITTINGS OR SCREW SET FITTINGS.
 - CONDUIT EXPOSED TO THE WEATHER, INSTALLED UNDERGROUND, IN CONCRETE, OR USED FOR SERVICE ENTRANCE SHALL BE STANDARD RIGID CONDUIT (GALVANIZED) WITH THREADED FITTINGS.
 - UNDERGROUND CONDUIT MAY BE POLYVINYL CHLORIDE WITH A DEFLECTION TEMPERATURE, UNDER LOAD AT 264 PSI, OF 78 DEGREES C, AND A TENSILE STRENGTH OF 5,200 PSI. JOINTS SHALL BE FLUSH. SOLVENT WELDED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. CONDUIT SHALL BE EQUAL TO CARLON POWER AND COMMUNICATIONS DUCT TYPE DB (DIRECT BURIAL). CONDUIT AND FITTINGS SHALL BE PRODUCED BY THE SAME MANUFACTURER.
 - FLEXIBLE METAL CONDUIT SHALL ONLY BE USED FOR CONNECTIONS TO MOTORS, TRANSFORMERS, AND LIGHT FIXTURES. MAXIMUM LENGTH SHALL BE 6'-0".
 - CONDUCTORS:
 - WIRES SHALL BE CONTINUOUS WITHOUT SPLICES OR TAPS IN CONDUIT RUNS. ALL SPLICES SHALL BE MADE IN JUNCTION, PULL, OR OUTLET BOXES. ALL WIRE SHALL BE INSTALLED IN CONDUIT, WIREWAYS, OR OTHER PROTECTIVE COVER SANCTIONED BY CODES.
 - CONDUCTORS FOR LIGHTING AND POWER SHALL BE COPPER, MINIMUM NO. 12 AWG, 600 VOLT.
 - NO. 10 GAUGE AND SMALLER CONDUCTORS SHALL BE TYPE THHN (WET LOCATIONS) OR THHN (DRY LOCATIONS), SOLID CONDUCTOR, UNLESS OTHERWISE INDICATED.
 - NO. 8 GAUGE AND LARGER CONDUCTORS SHALL BE TYPE THHN (WET LOCATIONS) OR THHN (DRY LOCATIONS), STRANDED, UNLESS OTHERWISE INDICATED.
 - SERVICE ENTRANCE AND PANEL FEEDER CONDUCTORS, NO. 3 GAUGE AND LARGER SHALL BE TYPE XHHW-2 (WET LOCATIONS) OR THHN (DRY LOCATIONS), STRANDED COPPER, UNLESS OTHERWISE INDICATED.
 - ALUMINUM SERVICE WIRE MAY BE USED FOR SERVICE ENTRANCE CONDUCTORS AND/OR PANEL FEEDERS ONLY. ALL OTHER WIRING SHALL BE COPPER CONDUCTORS AS HEREINBEFORE SPECIFIED.
 - ALUMINUM CONDUCTORS SHALL BE TYPE XHHW-2, ALCAN, "STABILLOY" TYPE ALLOY CONDUCTORS UTILIZING "AA-8030" ALUMINUM ALLOY. CONDUCTORS SHALL BE UL LISTED.
 - FOR 120, 208 OR 240V SYSTEMS:
PHASE A - BLACK WIRE
PHASE B - RED WIRE
PHASE C - BLUE WIRE
NEUTRAL - WHITE WIRE
GROUND - GREEN, GREEN WITH A YELLOW STRIPE, OR BARE WIRE.
 - FOR 277 OR 480V SYSTEMS:
PHASE A - BROWN WIRE
PHASE B - ORANGE WIRE
PHASE C - YELLOW WIRE
NEUTRAL - GRAY WIRE
GROUND - GREEN, GREEN WITH A YELLOW STRIPE, OR BARE WIRE.
 - MIC CABLE:
 - MC CABLE SHALL CONSIST OF INTERLOCK ARMORED CABLE MADE OF THREE OR FOUR TYPE THHN SOLID (16 AWG AND LARGER) MAY BE STRANDED COPPER CONDUCTORS RATED 90° FOR DRY LOCATIONS, WITH NYLON OR EQUIVALENT UL LISTED JACKET, PER UL STANDARD 83. THE THREE CONDUCTORS SHALL BE TWISTED TOGETHER WITH THE COPPER GROUNDING CONDUCTOR, SUITABLE FILLERS, AND WRAPPED IN BINDER TAPE. THE ASSEMBLY SHALL BE ARMORED WITH SPIRALLY WRAPPED INTERLOCK ARMOR OR ALUMINUM OR GALVANIZED STEEL.
 - CABLES SHALL BE TESTED IN ACCORDANCE WITH UL STANDARD 1669 FOR TYPE MC CABLE AND RATED AT 600 VOLTS, 90 DEGS C FOR DRY LOCATIONS AND 75 DEGS C FOR WET LOCATIONS.
 - WIRING DEVICES:
 - WALL SWITCHES SHALL BE SPECIFICATION GRADE, QUIET TYPE, FLUSH TOGGLE SWITCH, RATED FOR 30 AMPS, WITH THERMOPLASTIC COVER PLATES.
 - SINGLE POLE: HUBBELL #CS1221-X, OR EQUAL.
 - THREE WAY: HUBBELL #CS1223-X, OR EQUAL.
 - AS SPECIFIED ON PLANS.
 - RECEPTACLES SHALL BE SPECIFICATION GRADE, DUPLEX, GROUNDING, THREE-WIRE TYPE, RATED FOR 20 AMPS, WITH THERMOPLASTIC COVER PLATES. HUBBELL #CRS352-X, OR EQUAL.
 - GROUND FAULT INTERRUPTER RECEPTACLES (GFI) SHALL BE HUBBELL #GF20-X. DEVICE COVER PLATES SHALL BE AS HEREINBEFORE SPECIFIED.
 - ISOLATED GROUND RECEPTACLES (IG) SHALL BE HUBBELL #CRS352IG, ORANGE COLOR. DEVICE COVER PLATES SHALL BE AS HEREINBEFORE SPECIFIED.
 - RECEPTACLES OUTSIDE BUILDING AND WHERE NOTED AS WEATHERPROOF, SHALL BE LISTED WEATHER-RESISTANT HUBBELL #GFTR20-X OR EQUAL AND SHALL BE INSTALLED IN A WEATHERPROOF ENCLOSURE WHICH SHALL BE INTERMATIC #WP1010MXD OR #WP1010HXMD DIECAST METAL WEATHERPROOF RECEPTACLE COVER. COVER SHALL BE WEATHER PROOF RATED W/IN USE.
- VERIFY DEVICES AND DEVICE COVERPLATES COLOR AND STYLE WITH ARCHITECT.
- BOXES:
 - HOT DIPPED GALVANIZED STEEL BOXES. PROVIDE TYPE TO SUIT CONDITIONS FOR INSTALLATION.
 - ALL BOXES SHALL BE FLUSH MOUNTED, UNLESS INDICATED OTHERWISE.


ELECTRICAL SPECIFICATIONS (CONTINUED)

- PANELBOARDS:
 - PANELBOARDS ARE EXISTING AND SHALL BE REUSED. PROVIDE ADDITIONAL BREAKERS AS REQUIRED TO CONNECT CIRCUITS AS SHOWN ON THE DRAWINGS. ADDITIONAL BREAKERS SHALL BE THERMAL MAGNETIC, QUICK-BREAK BOLT ON CIRCUIT BREAKERS WITH ONE HANDLE FOR SINGLE OR MULTI-POLE RATINGS AND SHALL BE COMPATIBLE WITH EXISTING PANELS.
 - COMPLETE EXISTING DIRECTORY AS REQUIRED TO IDENTIFY NEW CIRCUIT, LISTING LOAD SERVED AND OTHER PERTINENT DATA.
- DISCONNECTS:
 - DISCONNECTS SHALL BE EXTERNALLY OPERATED, QUICK-MAKE, QUICK-BREAK, SAFETY, WITH PROVISIONS FOR PAD LOCKING. FUSED AND NON-FUSED DISCONNECT SWITCHES SHALL BE PROVIDED AS INDICATED.
 - INDOOR SWITCHES SHALL BE NEMA 1 AND OUTDOOR SWITCHES SHALL BE NEMA 3R, UNLESS INDICATED OTHERWISE.
- FUSES:
 - FUSES PROTECTING CIRCUIT BREAKER PANELS SHALL BE CURRENT LIMITING UL CLASS RK-1 FUSES WITH 200,000 AMPERES RMS SYM INTERRUPTING CAPACITY. FUSING ELEMENTS SHALL BE SILVER FOR RATINGS ABOVE 80 AMPERES.
 - ALL OTHER FUSES SHALL BE UL CLASS RK-5, DUAL-ELEMENT WITH A MINIMUM TIME-DELAY OF 10 SECONDS AT 500% RATING. FUSES SHALL HAVE CURRENT-LIMITING SHORT-CIRCUIT LINKS AND 200,000 AMPERES RMS SYM INTERRUPTING CAPACITY. FUSING ELEMENTS SHALL BE COPPER.
- LIGHT FIXTURES:
 - WHERE LIGHT FIXTURES ARE MOUNTED IN A LAY-IN CEILING, PROVIDE A MINIMUM OF 2 SUPPORT WIRES ATTACHED DIRECTLY BETWEEN EACH LIGHT FIXTURE AND THE BUILDING STRUCTURE. SUPPORT WIRES SHALL BE A MINIMUM OF 12 GAUGE GALVANIZED STEEL WIRE, SOFT ANNEALED.
 - FIXTURES ARE REQUIRED AT ALL LIGHTING OUTLETS SHOWN ON THE DRAWINGS. APPROVED LIGHTING FIXTURE WIRE IS REQUIRED IN ALL FIXTURES AND FIXTURE RACEWAYS. WEATHERPROOF WIRING IS REQUIRED FOR EXTERIOR FIXTURES. ALL PARTS OF FIXTURES AND WIRING SHALL BE IN ACCORDANCE WITH NEC REQUIREMENTS.
 - ALL FIXTURES SHALL CARRY UL AND ETL LABELS.
- SLEEVES:
 - PROVIDE, SET, AND PROPERLY LOCATE PIPE SLEEVES AS REQUIRED FOR THIS WORK.
 - INTERIOR PARTITIONS: 16 GAGE GALVANIZED STEEL, PACK BETWEEN CONDUIT AND SLEEVE WITH FIRE SAFING AND CAULK AT EACH END WITH FIRE RESISTANT SEALANT.
 - ROOF: PROTECT OR EQUAL, MANUFACTURED PVC SCHEDULE 40 PIPE SLEEVE WITH WEATHERPROOF SEAL COORDINATE WITH ROOFING CONTRACTOR AND FLASH AS REQUIRED TO MAINTAIN ROOF WARRANTY.
- GROUNDING:
 - GROUND ALL ELECTRICAL APPARATUS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) 250, AND ANY LOCAL REQUIREMENTS. INSURE CONTINUOUS BOND WHERE FLEXIBLE CONDUIT IS USED. PROVIDE BONDING JUMPER INSIDE ALL FLEXIBLE CONDUIT.
 - BOND METAL PIPING SYSTEMS IN COMPLIANCE WITH NEC 250.41(A)(4).
- REMODELING WORK:
 - DEMOLITION, DISCONNECT, DEMOLISH AND REMOVE ABANDONED ELECTRICAL MATERIALS AND EQUIPMENT INDICATED TO BE REMOVED AND NOT INDICATED TO BE SALVAGED OR REMAIN.
 - EQUIPMENT TO BE SALVAGED:
 - DISCONNECT AND REMOVE EXISTING ELECTRICAL EQUIPMENT INDICATED TO BE REMOVED AND SALVAGED. DELIVER EQUIPMENT TO THE LOCATION DESIGNATED BY THE OWNER FOR STORAGE.
 - ALL MATERIALS AND EQUIPMENT DESIGNATED TO BE REUSED OR RELOCATED SHALL BE CAREFULLY REMOVED AND STORED UNTIL NEEDED FOR REMODELING WORK. ALL ITEMS SHALL BE RESTORED TO "LIKE NEW" CONDITION WITH RUST OR CORROSION REMOVED, SURFACE PAINT TOUCHED UP OR REPAINTED AS REQUIRED TO MATCH NEW CONSTRUCTION, AND THOROUGHLY CLEANED AND INSPECTED. ANY ITEMS WHICH BECOME DAMAGED BEYOND REPAIR AS A RESULT OF CONSTRUCTION OR DEMOLITION ACTIVITY SHALL BE REPLACED WITH NEW MATERIAL EQUIVALENT IN EVERY RESPECT.
 - DISPOSAL AND CLEANUP: REMOVE FROM THE SITE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS AND EQUIPMENT NOT INDICATED TO BE SALVAGED.
- PROTECT ADJACENT MATERIALS INDICATED TO REMAIN. INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP DIRT, DUST, AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER REMODELING OPERATIONS ARE COMPLETE.
- PROVIDE ALL ALTERATIONS AND REWORK INDICATED AND/OR REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF ALL EXISTING ELECTRICAL SYSTEMS, INTEGRATING THE NEW AND EXISTING AREAS. LOCATE, IDENTIFY, AND PROTECT ELECTRICAL SERVICES PASSING THROUGH REMODELING AREA AND SERVING OTHER AREAS OUTSIDE THE REMODELING LIMITS. MAINTAIN SERVICES TO AREAS OUTSIDE REMODELING LIMITS. WHEN SERVICES MUST BE INTERRUPTED, INSTALL TEMPORARY SERVICES FOR AFFECTED AREAS.
 - ABANDONED CONDUIT SHALL HAVE WIRE REMOVED AND SHALL BE CAPPED. ABANDONED OUTLETS IN WALLS OR PARTITIONS SHALL HAVE DEVICES AND WIRE REMOVED, AND SHALL BE COVERED.
 - WHERE EXISTING CONDUITS TERMINATE AT AN EXISTING OUTLET IN A WALL, CEILING, OR FLOOR TO BE REMOVED, DISCONNECT AND REMOVE DEVICE AND WIRE FROM CONDUIT. CONDUIT SHALL BE CUT BACK AND CAPPED BELOW THE FLOOR OR ABOVE THE CEILING SO NOT TO CREATE AN OBSTRUCTION. PATCH FLOOR TO MATCH EXISTING.
 - WHERE EXISTING CIRCUITS EXTEND BEYOND THE OUTLET IN THE EXISTING WALL, CEILING, OR FLOOR TO BE REMOVED, FURNISH AND INSTALL NEW CONDUIT AND WIRE TO EITHER RELOCATE THE CIRCUIT OR FEED THE REMAINING OUTLET(S) FROM ANOTHER ELECTRICAL SOURCE, BUT IN SUCH A MANNER AS NOT TO REVISE THE CIRCUIT. ALL REROUTED CONDUIT SHALL BE APPROVED BY THE ARCHITECT.
 - WHERE EXISTING OUTLETS IN A WALL, CEILING, OR FLOOR TO BE REMOVED ARE ESSENTIAL TO MAINTAIN OPERATION OF OTHER REMAINING OUTLETS, RELOCATE THE OUTLET TO A NEW CONVENIENT LOCATION. EXISTING WIRING DEVICES SHALL NOT BE REUSED, UNLESS OTHERWISE INDICATED.
 - WHERE LIGHTING FIXTURES ARE INDICATED TO BE DEMOLISHED, REMOVE ALL WIRE AND MODIFY THE EXISTING CONDUIT (IF APPLICABLE) FOR THE NEW LIGHTING. ALL UNUSED CONDUIT SHALL BE REMOVED.
 - WHERE A TELEPHONE CIRCUIT EXTENDS BEYOND AN OUTLET IN AN EXISTING WALL, CEILING, OR FLOOR TO BE REMOVED, PROVIDE NECESSARY EMPTY CONDUIT AND NOTIFY THE OWNER WHO WILL REQUEST THE OWNER TO ARRANGE WITH THE TELEPHONE COMPANY FOR NEW WIRING TO OUTLETS THAT REMAIN.
 - WHERE EXISTING CONDUIT AND WIRE RUNS ARE LOCATED IN OR ATTACHED TO AN EXISTING WALL, CEILING OR FLOOR TO BE REMOVED, THEY SHALL BE REROUTED IN EITHER NEW OR EXISTING CONSTRUCTION TO MAINTAIN CONTINUITY OF CIRCUITS UNLESS OTHERWISE INDICATED.
 - CONDUIT SHALL BE CONCEALED WITHIN THE EXISTING BUILDING CONSTRUCTION WHEREVER POSSIBLE, EXCEPT WHERE OTHERWISE INDICATED.
 - EXISTING WIRE SHALL BE DISCONNECTED AND REMOVED WHEREVER EXISTING CIRCUITS ARE ABANDONED.
- PENETRATIONS OF FIRE RATED ASSEMBLIES:
 - OUTLET BOXES THAT DO NOT EXCEED 16 SQUARE INCHES AND INSTALLED IN FIRE RATED WALLS SHALL NOT BE INSTALLED CLOSER THAN 24" HORIZONTAL INCHES TO OTHER OUTLET BOXES.
 - IF BOXES MUST BE INSTALLED WITHIN 24" OF EACH OTHER THAN BOTH OUTLET BOXES SHALL BE PROTECTED WITH LISTED PUTTY PADS, 3M FIRE BARRIER MOLDABLE PUTTY + OR EQUAL.
- CONDUITS, SLEEVES AND OTHER THROUGH-PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE PROTECTED WITH LISTED FIRE CAULKING OR OTHER APPROVED UL SYSTEM DESIGNED FOR THE ASSEMBLY TYPE(S) AND CONSTRUCTION METHOD(S) USED.

ELECTRICAL SYMBOLS LIST	
CIRCUITING & NOTES	
+46"	SPECIAL MOUNTING HEIGHT FOR ASSOCIATED DEVICE (CENTERLINE OF DEVICE)
GFI	GROUND FAULT CIRCUIT INTERRUPTER DEVICE
WP	WEATHERPROOF ENCLOSURE ON DEVICE
WR	WEATHERPROOF RESISTANT DEVICE
IG	ISOLATED GROUND DEVICE
EM	EMERGENCY BATTERY BACKUP
TR	TAMPER RESISTANT OUTLET
USB	COOPER # TRUSBPD4C20-X OR EQUAL DUPLEX RECEPTACLE WITH (1) USB-A AND (1) USB-C CHARGING PORTS. PROVIDE 2-1/8" DEEP BACK BOX.
(TIE)	PARTIAL HOMERUN. REFER TO PLANS FOR ADDITIONAL DEVICES CONNECTED TO THIS CIRCUIT.
	ELECTRICAL FLOOR PLAN NOTE WITH DESIGNATION
	CONDUIT CONCEALED WHERE POSSIBLE OR AS NOTED, ARROWS INDICATE HOME RUN TO PANEL. CIRCUIT NUMBERS INDICATED
	#12 WIRE IN CONDUIT, UNLESS NOTED OTHERWISE ON DRAWINGS OR SPECIFICATION
	GROUNDING CONDUCTOR, #12 WIRE UNLESS NOTED OTHERWISE ON DRAWINGS OR SPECIFICATION
	CONDUIT ROUTED UNDER FLOOR/GRADE
LIGHTING	
	EMERGENCY TWIN HEAD LIGHT FIXTURE
	EXIT LIGHT WITH DIRECTIONAL ARROWS INDICATED
	STRIP FIXTURE WITH TYPE DESIGNATION
	RECESSED OR SURFACE MOUNTED FIXTURE WITH TYPE DESIGNATION
	NIGHT LIGHT, CONNECT TO UNSWITCHED CIRCUIT
	CEILING OR RECESSED FIXTURE WITH TYPE DESIGNATION
	WALL MOUNTED FIXTURE WITH TYPE DESIGNATION
POWER DEVICES	
	DUPLEX RECEPTACLE, BOTTOM OF BOX AT 16" AFF, UNLESS NOTED OTHERWISE
	FOURPLEX RECEPTACLE, BOTTOM OF BOX AT 16" AFF, UNLESS NOTED OTHERWISE
	HALF-CONTROLLED RECEPTACLE, HUBBELL #HBL5362C1-X OR EQUAL. CONTROLLED DEVICE SHALL BE PERMANENTLY MARKED "CONTROLLED" AT FACTORY.
	DEVICE MOUNTED ABOVE COUNTER AND/OR SPLASH GUARD
	HEAVY DUTY OUTLET - NEMA CONFIGURATION SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDATION
	PANEL BOARD, TOP OF BOX 6'-0" AFF
	JUNCTION BOX
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC STARTER
	MOTOR WITH DESIGNATION
	FLOOR BOX
CONTROLS	
S	SINGLE POLE WALL SWITCH, TOP OF BOX AT 48" AFF
S _P	SINGLE POLE WALL SWITCH WITH PILOT LIGHT, TOP OF BOX AT 48" AFF
S _K	SINGLE POLE WALL SWITCH, KEY OPERATED, TOP OF BOX AT 48" AFF
S ₂	TWO POLE WALL SWITCH, TOP OF BOX AT 48" AFF
S ₃	THREE-WAY WALL SWITCH, TOP OF BOX AT 48" AFF
S _D	DIMMER SWITCH, TOP OF BOX AT 48" AFF
S _M	MANUAL MOTOR STARTER WITH OVERLOADS
OCCUPANCY SENSORS	
1. DUAL TECHNOLOGY ULTRASONIC CEILING SENSORS SHALL BE MOUNTED 6' FROM SUPPLY/EXHAUST AIR DIFFUSERS.	
2. LOW VOLTAGE CEILING SENSORS SHALL BE PROVIDED WITH 6' SLACK CONDUCTOR COILED AT SENSOR.	
S _O	WALL MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR, ACUTY SENSORSWITCH #WSX-PDT-SA OR EQUAL, TOP OF BOX AT 48" AFF. SENSORS SHALL BE PROGRAMMED FOR MANUAL-ON OPERATION.
S _{D,0}	WALL MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR WITH 0-10V DIMMING, ACUTY SENSORSWITCH #WSX-PDT-D-SA OR EQUAL, TOP OF BOX AT 48" AFF, VERIFY DIMMER COMPATIBILITY
	DUAL TECHNOLOGY CEILING MOUNT OCCUPANCY SENSORS, ACUTY nLIGHT #NCM-PDT-10-RJB OR EQUAL
	OCCUPANCY SENSOR POWER PACK, ACUTY nLIGHT #NPP16 OR EQUAL. PROVIDE LOW VOLTAGE WIRING TO OCCUPANCY SENSORS AND MOMENTARY SWITCHES
S _{LV}	MOMENTARY SWITCH, ACUTY nLIGHT #NPDMA-X OR EQUAL
COMMUNICATIONS	
	DATA/TELEPHONE OUTLET WITH MINIMUM 3/4" CONDUIT STUBBED UP TO ABOVE ACCESSIBLE CEILING, BOTTOM OF BOX AT 16" UNLESS NOTED OTHERWISE. PROVIDE WITH PULL STRING
	FLAT SCREEN TELEVISION - PROVIDE AND INSTALL ONE (1) HUBBELL #RR1510X RECESSED TAMPER-RESISTANT DUPLEX RECEPTACLE WITH COVERPLATE AND ONE (1) HUBBELL #HBL260 TWO GANG LARGE CAPACITY WALL BOX (UP TO 2" KNOCKOUT) W/ MUD RING AND COVERPLATE FOR DATA. PROVIDE 2" C WITH PULL STRING TO ABOVE ACCESSIBLE CEILING FOR DATA CABLES. MOUNT BOX AT 5'-6" AFF UNLESS NOTED OTHERWISE (VERIFY)
FIRE ALARM - FIRE ALARM SYSTEM IS EXISTING TO REMAIN. PROVIDE ADDITIONAL COMPATIBLE DEVICES AND CONNECT TO EXISTING SYSTEM AS REQUIRED.	
	FIRE ALARM AUDIBLE/VISUAL COMBINATION SIGNAL, CENTERLINE AT 6'-8" AFF
MISCELLANEOUS	
	COMBINATION POWER AND DATA FLOORBOX

BC PROJECT #: 25468 FO/FS
MISSOURI PE COA #2009003629

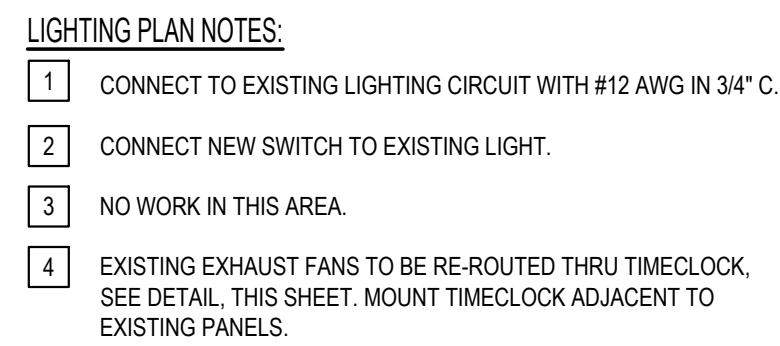
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ELECTRICAL
LIGHTING PLAN

LIGHT FIXTURE SCHEDULE				
MARK NO.	MANUFACTURER & CATALOG NUMBER	VOLTS WATTS	LIGHT SOURCE	DESCRIPTION
A	MATCH EXISTING SUSPENDED 2X4 LED FIXTURE	120 40	LED	SUSPENDED 2X4 LED LIGHT FIXTURE TO MATCH EXISTING IN SPACE
ETR	EXISTING LIGHT TO REMAIN	120	VARIES	EXISTING LIGHT TO REMAIN. CLEAN AND RELAMP(AS REQUIRED), VERIFY PROPER OPERATION
⌚	MATCH EXISTING EMERGENCY LIGHT	120 1	INCL	WALL MOUNTED EMERGENCY LIGHT TO MATCH EXISTING IN SPACE
NOTES:				



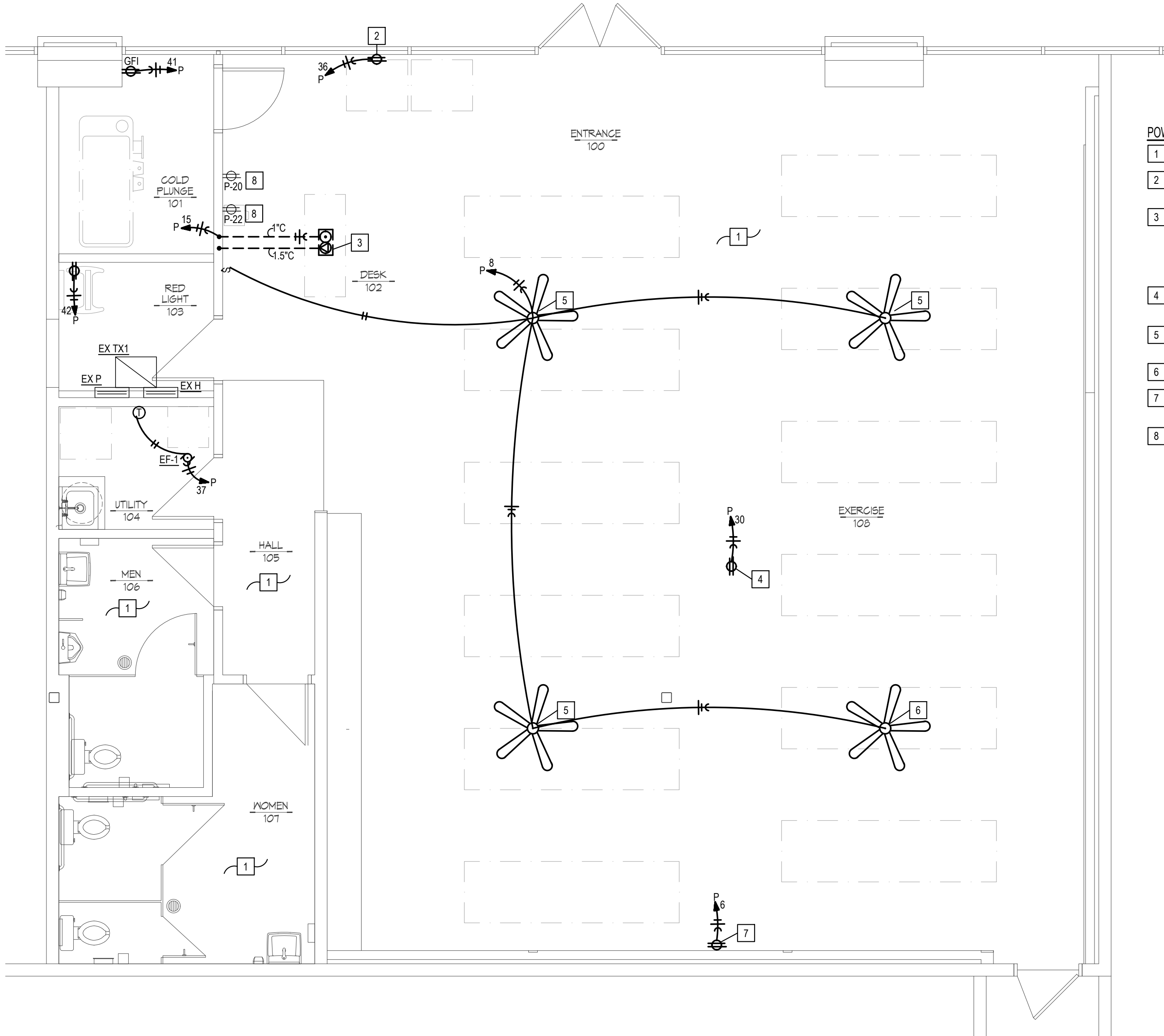
FAN CONTROL DETAIL

 **ELECTRICAL LIGHTING PLAN**
SCALE: 1/4" = 1'-0"

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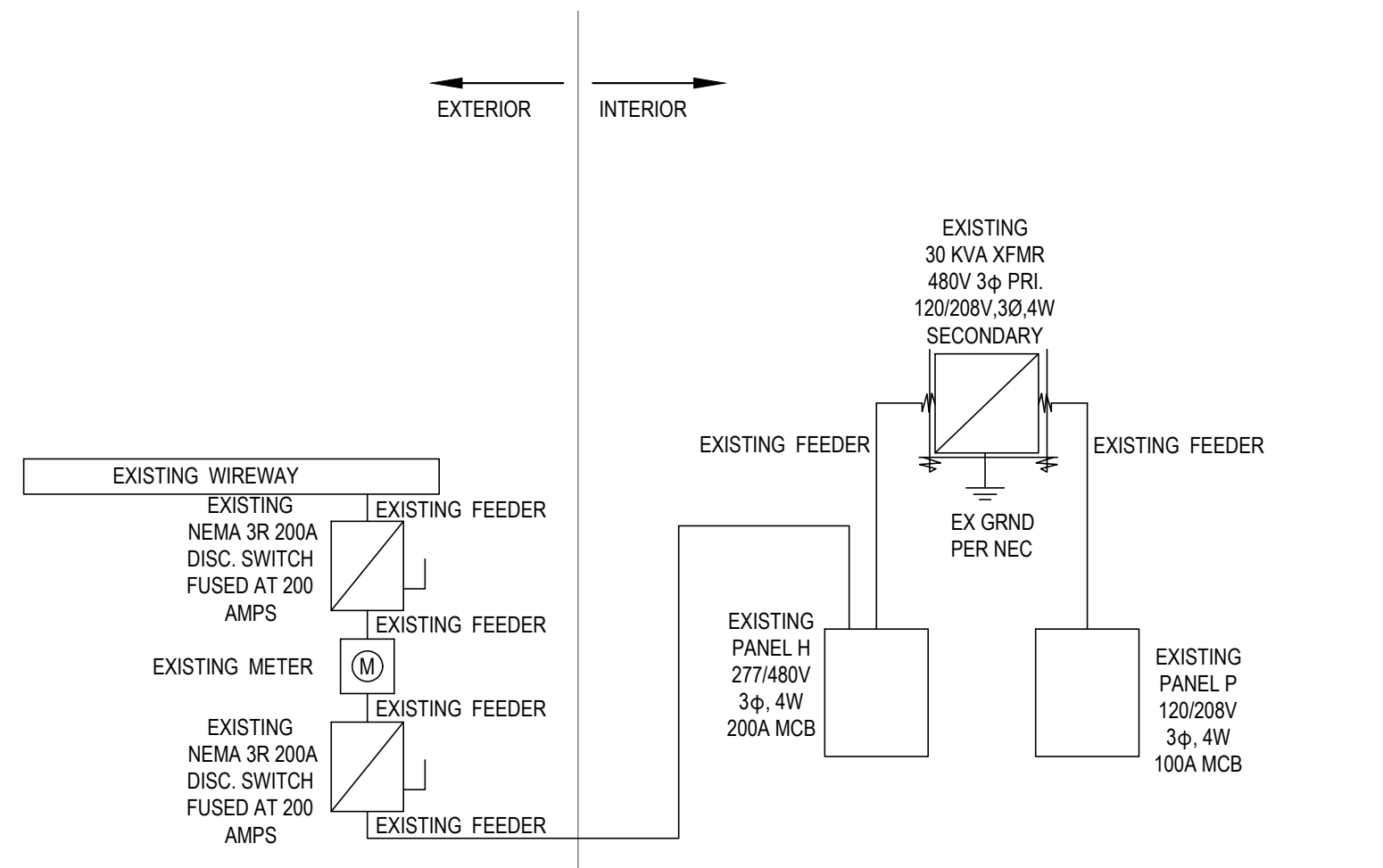
EXIST PANEL: H				VOLTS: 277/480V		PH: 3Ø		WIRE: 4W		LOCATION:		RED LIGHT RM		MOUNTING: SURFACE		
BUS: 250A				MAIN: 200A MCB										FEEDER: SEE RISER DIAGRAM		
OKT	DESCRIPTION	AMPS	POLE	WIRE	ØA	ØB	ØC	ØA	ØB	ØC	WIRE	POLE	AMPS	DESCRIPTION	OKT NO	
1	EXISTING RTU-1 [EX]	15	3	12	2,812			6,966						EXISTING 30KVA TRANSFORMER [EX]	2	
3						2,812			8,017			6	3		50	4
5							2,812			5,800						6
7						7,133		3,000			12	2	20		EXISTING WATER HEATER [EX]	8
9	EXISTING RTU-2 [EX]	30	3	10		7,133				3,000					10	
11							7,133							BUSSED SPACE	12	
13	BUSSED SPACE													BUSSED SPACE	14	
15	BUSSED SPACE													BUSSED SPACE	16	
17	BUSSED SPACE													BUSSED SPACE	18	
NOTES:					9,945	9,945	9,945	9,966	11,017	5,800						
[EX]-EXISTING BRKR					19,911		20,962		15,745		TOTAL CONNECTED LOAD: 56,618 VA					
										NEC DEMAND LOAD: 59,573 VA						
										DEMAND AMPS @ 480 VOLT / 3Ø: 71.66 A						

EXIST PANEL: P				VOLTS:		120/208V		PH: 3Ø		WIRE: 4W		LOCATION:		RED LIGHT RM		MOUNTING: SURFACE			
BUS: 125A				MAIN:		100A MCB		WIRE								FEEDER: SEE RISER DIAGRAM			
OKT	DESCRIPTION			AMPS	POLE	WIRE	ØA	ØB	ØC	ØA	ØB	ØC	WIRE	POLE	AMPS	DESCRIPTION		OKT NO	
1	EX DRYER [EX] [GF]			30	2	10	2,496				360		12	1	20	EX RTU WP RCPTS [EX]		2	
3							2,496					360	12	1	20	EX (2) BATH GFI RCPT [EX]		4	
5	EX WASHER [EX] [SF]			20	1	12			1,000				180	12	1	20	SIGN RCPT [EX]		6
7	EX DRYER FAN [EX]			20	1	12	100				800		12	1	20	FANS [EX]		8	
9	EX MODEM [EX]			20	1	12		180						1	20	SPARE [EX]		10	
11	SPARE [EX]			20	1								180	12	1	20	EX BATH HALL (1) RCPT [EX]		12
13	SPARE [EX]			20	1						360		12	1	20	EX (2) PANEL ROOM RCPT [EX]		14	
15	NEW RECEPTION DESK [EX]			20	1	12		360				500	12	1	20	EX DUCT DET. CIR [EX]		16	
17	EXISTING EF'S [EX]			20	1	12				100			360	12	1	20	EX PHONE 4-PLEX [EX]		18
19	SPARE [EX]			20	1						800		12	1	20	EX. FLOWATER REFILL STATION [EX]		20	
21	SPARE [EX]			20	1							500	12	1	20	EX. DRINKING FOUNTAIN [EX]		22	
23	SPARE [EX]			20	1										1	20	SPARE [EX]		24
25	EX EMERGENCY CIRCUIT [EX]			20	1	12	500							1	20	SPARE [EX]		26	
27	LIGHTING [EX]			20	1	12		921						1	20	SPARE [EX]		28	
29	EX TIMECLOCK FEED [EX]			20	1	12			200				180	12	1	20	PROJECTOR RCPT [EX]		30
31	SPARE [EX]			20	1						1,500		12	2	20	EX WATER HEATER [EX]		32	
33	EX SIGNAGE (1) OUTSIDE [EX]			20	1	12		1,200				1,500						34	
35	SPARE [EX]			20	1								1,000	12	1	20	FRIDGE RCPT [EX]		36
37	EF-1 [EX]			20	1	12	50							1	20	SPARE [EX]		38	
39	SPARE [EX]			20	1									1	20	SPARE [EX]		40	
41	COLD PLUNGE [GF]			20	1	12			1,000				1,600	12	1	20	RED LIGHT [EX]		42
NOTES:							3,146	5,157	2,300	3,820	2,860	3,500							
[EX]-EXISTING BRKR, [GF]-GFCI BRKR 5mA							6,966		8,017		5,800							TOTAL CONNECTED LOAD: 20,783 VA	
																	NEC DEMAND LOAD: 22,238 VA		
												DEMAND AMPS @ 208 VOLT / 3Ø:					61.73 A		



POWER PLAN NOTES:

- 1 NO WORK IN THIS AREA.
- 2 MOUNT RECEPTACLE HORIZONTAL ON FRAMED CURB BELOW WINDOW.
- 3 PROVIDE FLUSH MOUNTED FLOOR BOX WITH QUAD RECEPTACLE AND DATA PROVISIONS. ROUTE CONDUIT/WIRE UNDER SLAB TO/ABOVE NEAREST FULL HEIGHT WALL AS INDICATED. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
- 4 MOUNT RECEPTACLE AT CEILING FOR PROJECTOR. VERIFY EXACT LOCATION WITH TENANT.
- 5 EXISTING FAN TO BE RELOCATED. MOUNT AT BOTTOM OF TRUSSES.
- 6 PROVIDE NEW FAN, MATCH EXISTING FANS.
- 7 RECEPTACLE MOUNTED HIGH ON WALL FOR SIGN. VERIFY LOCATION WITH TENANT.
- 8 WATER FOUNTAIN AND REFILL STATION ARE EXISTING TO REMAIN.



ELECTRICAL RISER DIAGRAM

SCALE: FOR REFERENCE ONLY



ELECTRICAL POWER PLAN

SCALE: 1/4" = 1'-0"

BC PROJECT #: 25468 FO/FS
MISSOURI PE COA #2009003629

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REV# DATE DESCRIPTION

Issue Date: 6-17-25
Project #: 25009

ELECTRICAL
POWER PLAN

E2