POWER LIFE

940 NW PRYOR RD LEE'S SUMMIT, MO 64081

2018 IBC CODE ANALYSIS

CODE REVIEW SUMMARY

The following is not intended to be an all inclusive list, but rather a general summary. Code Referenced: 2018 INTERNATIONAL BUILDING CODE (IBC)

ACTUAL BUILDING SUMMARY: (Basis for Code Review) Use & Occupancy Classification (Chapter 3):

A-3 ASSEMBLY - intended for worship, recreation, or amusement (Section 303) Accessory religious educational rooms and religious auditoriums with occupant loads of less than 100 per room or space are not considered separate occupancies. Gymnasiums (without spectator seating).

Actual Tenant Improvement Area: 3,289 SF Type of Construction (Chapter 6):

IIB (Noncombustible Materials; No Rated Building Elements) Fire Protection Systems (refer to Section 903 below): NFPA 13 AUTOMATIC SPRINKLER

Occupant Load (refer to Table 1004.1.2 below): 56 OCCUPANTS

CODE SUMMARY:

CHAPTER 8 - INTERIOR FINISHES

Interior wall & ceiling finish materials, including acoustical ceiling systems, shall be classified for allowable fire performance & smoke development as allowed by this code. Interior floor finish & floor covering materials shall be classified in accordance with NFPA

253 & this code. (Section 804) Decorative materials shall not exceed 10% of the wall or ceiling area to which they are Trim & wall base shall be classified for allowable accordance with the code. (Section 806)

CHAPTER 9 – FIRE PROTECTION SYSTEMS

Automatic Sprinkler Systems (Section 903): NFPA 13 SPRINKLER SYSTEM PROVIDED A-3 fire area exceeds 12,000sf or occupant load of 300 or more (Section 903.2.1.2)

Portable Fire Extinguishers (Section 906 & refers to IFC Table 906.1): EXTINGUSHERS Class A Fire Hazards: Max. travel distance <75' (Table 906.3(1)).

CHAPTER 10 – MEANS OF EGRESS

Occupant Load (Table 1004.1.2): Business - 700 sf / 150 gsf = 5 Occupants

Excercise - 1,686 sf / 50 gsf =34 Occupants Locker - 800 sf / 50 gsf = 16 Occupants Mechanical - 103 sf / 300 gsf = 1 Occupants **56 TOTAL OCCUPANTS**

Means of Egress Sizing (Section 1005): only the occupant load of each story individually other components: 56 Occ. x 0.2" = 11.2" (32" Clear Min.) REQUIRED; PROVIDED: 72"

Number of Exits & Exit Access Doorways (Section 1006):

Exit components include exit discharge, interior or exterior exit stairways or ramps, exit passageways or horizontal exits. Exit Access Doorway where the path of egress enters an intervening room, corridor, exit access stairway or ramp. Egress based on occupant load (Section & Table 1006.2.1): 2 EXITS REQUIRED

Exit & exit access doorway configuration (Section 1007): 2 exits or exit access door ways(Section 1007.1.1): >1/3 DIAGONAL OF AREA

ACCESSIBLE MEANS OF EGRESS (SECTION 1009)

Accessible means of egress required (Section 1009.1): REQUIRED: 2 PROVIDED: 2

Exit Access Travel Distance (Section & Table 1017.2): A < 250'

Corridor Fire-Resistance Rating (Section & Table 1020.1): A occupant load served by corridor Greater than 30 = NO RATING REQUIRED

Corridor Minimum Width (Table 1020.2): Any facility not listed = 44"; With an occupant load of less than 50 = 36"; Within a dwelling unit = 36".

CHAPTER 11 - ACCESSIBILITY

Accessible Entrances (Section 1105): PUBLIC ACCESSIBLE ENTRANCE & RESTRICTED ACCESSIBLE ENTRANCE REQUIRED & PROVIDED

In addition to others required below, at least 60% of all public entrances shall be accessible; Where restricted entrances are provided, at least 1 restricted entrance shall be accessible; f a service entrance is the only entrance to a building or a tenant space, that entrance shall be accessible.

Accessible Toilet & Bathing Facilities (Section 1109.2): ACCESSIBLE FACILITIES REQUIRED & PROVIDED

Each toilet room shall be accessible. At least one of each type of fixture, element, control or dispenser in each accessible toilet

Accessible Drinking Fountains (Section 1109.5): ACCESSIBLE DRINKING FOUNTAINS

Where drinking fountains are provided, no fewer than 2 shall be provided. 1 shall comply with the requirements for people who use a wheelchair & 1 shall comply with the requirements for standing persons.

Accessible Storage (Section 1109.9): ACCESSIBLE STORAGE REQUIRED & PROVIDED Where fixed or built-in storage elements such as cabinets, coat hooks, shelves, medicine cabinets, lockers, closets & drawers are provided in required accessible spaces, at least 5%, but not less than 1 of each type, shall be accessible

Accessible Seating (Or Standing) At Tables, Counters & Work Spaces (Section 1109.11) ACCESSIBLE TABLES, COUNTERS & WORK SPACES REQUIRED & PROVIDED Where seating or standing space at fixed or built-in tables, counters or work surfaces is provided in accessible spacea, at least 5%, but not less than 1 of each type, shall be

Accessible Contols, Operating Mechanisms & Hardware (Section 1109.13): ACCESSIBLE CONTROLS, OPERATING MECHANISMS & HARDWARE REQUIRED & PROVIDED Controls, operating mechanisms & hardware intended for operation of by the occupant, including switches that control lighting & ventilation & electrical convenience outlets, in accessible spaces, along accessible routes or as parts of accessible elements shall be

PLUMBING FIXTURE REQS

Code Referenced: 2018 INTERNATIONAL PLUMBING CODE (IPC)

Classification & Use Group: A-3

Number of Occupants: 56 TOTAL - 28 MALE: 28 FEMALE

Minimum Number of Required Plumbing Fixtures (Table 403.1): WATER CLOSETS REQUIRED: MALE - 1; FEMALE - 1 WATER CLOSETS PROVIDED: MALE - 2; FEMALE - 2

LAVATORIES REQUIRED: MALE - 1; FEMALE - 1 LAVATORIES PROVIDED: MALE - 2: FEMALE - 2

DRINKING FOUNTAINS REQUIRED: 1 - Shall install 2- Hi & Low or 1 that complies for people who use a wheelchair and standing person (Section 1109.5.1) DRINKING FOUNTAINS PROVIDED: 1 - Hi & Low or 1 that complies with both requirements

SERVICE SINKS REQUIRED: 1 SERVICE SINKS PROVIDED: 1

APPLICABLE CODES:

2009 ICC/ANSI A117.1 ACCESSIBILITY

2018 INTERNATIONAL BUILDING CODE (IBC) STATE MECHANICAL CODE (BASED ON THÉ 2018 INTERNATIONAL MECHANICAL CODE) 2018 NATIONAL FUEL GAS CODE (NFPA 54) 2018 INTERNATIONAL FIRE CODE (IFC) 2017 NATIONAL ELECTRICAL CODE (NFPA 70) STATE PLUMBING CODE (BASED ON THE 2018 UNIFORM PLUMBING CODE)

CLIENT

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ARCHITECT

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GENERAL CONTRACTOR

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JURISDICTION

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- . THESE DRAWINGS DO NOT CONTAIN INFORMATION WITH REGARD TO CONSTRUCTION SAFETY PROCEDURES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION SAFETY AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH GOVERNING AUTHORITIES CONSTRUCTION SAFETY
- 8. PROVIDE COMPLETE IN PLACE ALL LABOR, TRANSPORTATION, MATERIAL, TAXES, FEES, PERMITS, LICENSES, INSURANCE, UTILITIES, INSPECTIONS, EQUIPMENT, MACHINERY, SUPERVISION, AND OTHER ITEMS NECESSARY TO COMPLETE THE WORK IN STRICT COMPLIANCE WITH THE PLANS, DOCUMENTS AND SPECIFICATIONS PREPARED BY THE ARCHITECT AND APPROVED BY THE OWNER.
- 9. VERIFY EXISTING CONDITIONS PRIOR TO FABRICATION AND PRIOR TO PROCEEDING WITH THE WORK, AND NOTIFY THE ARCHITECT IMMEDIATELY OF SIGNIFICANT DISCREPANCIES WHICH MAY IMPACT AESTHETICS. DURABILITY, COST AND/OR SCHEDULES.
- ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION BEFORE CONTINUING WITH WORK. DRAWINGS ARE INTENDED ONLY AS A GRAPHICALLY CORRECT REPRESENTATION

10. DO NOT SCALE DRAWINGS IN ORDER TO DETERMINE INTENDED LAYOUT OR DIMENSIONS. IF DIMENSIONS

- 11. THE CONTRACTOR SHALL PROTECT ALL EXISTING ENTITIES. REMOVE, REPLACE OR REPAIR MATERIALS, FACILITIES AND SERVICES DAMAGED DURING THE COURSE OF CONSTRUCTION TO THE SATISFACTION OF THE OWNER AND GOVERNING AUTHORITY.
- 12. ALL WORK SHALL BE OF GOOD QUALITY AND ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND FREE FROM DEFECTS FOR A PERIOD OF 1 YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF WORK. ANY EXTENDED WARRANTIES OBTAINED FROM SUPPLIERS OR SUBCONTRACTORS SHALL BE FORWARDED TO
- 13. ALL REQUIREMENTS NOT FOLLOWED, INCLUDING SUBSTITUTIONS NOT PROPERLY APPROVED AND AUTHORIZED, IN WRITING, MAY BE CONSIDERED DEFECTIVE.
- 14. FAILURE TO IDENTIFY A STANDARD, RECOMMENDATION &/OR REQUIREMENT DOES NOT GIVE ANYONE THE RIGHT TO VIOLATE ANY CODE & GOVERNING AUTHORITY REQUIREMENTS. MINIMUM QUALITY OR QUANTITY REQUIRED. ASTM & OTHER INDUSTRY STANDARDS. MANUFACTURER RECOMMENDATIONS & REQUIREMENTS, ETC.
- 15. COMPLY WITH ALL WEATHER-RELATED CONSTRUCTION REQUIREMENTS. DO NOT BUILD WITH OR ON FROZEN. SATURATED, CONTAMINATED OR INAPPROPRIATE SUBSTRATES OR CONDITIONS. BUILD OVER DRY COMPACTED APPROVED GRADE WITH APPROVED APPROPRIATE MATERIALS.
- 16. PROVIDE POSITIVE DRAINAGE OF SURFACE WATER AWAY FROM AND OFF ALL BUILDINGS WITHOUT PONDING OR WATER ADJACENT TO OR ON BUILDINGS OR PAVEMENTS.
- 17. BY SUBMITTING SHOP DRAWINGS, PRODUCT DATA AND SAMPLES, THE GENERAL CONTRACTOR AND SUB-CONTRACTOR HAS VERIFIED AND APPROVED THE INFORMATION CONTAINED WITHIN. THE GENERAL CONTRACTOR'S REVIEW AND APPROVAL SHALL BE SHOWN ON EACH SUBMITTAL PRIOR TO THE SUBMISSION
- 18. THE GENERAL CONTRACTOR SHALL FORWARD TO SUBCONTRACTORS & SUPPLIERS, FULL SETS OF BIDDING &/OR CONSTRUCTION DOCUMENTS, INCLUDING, BUT NOT LIMITED TO, DRAWINGS, SPECIFICATIONS. ADDENDA, CLARIFICATIONS, BID FORMS, & ALL OTHER DOCUMENTATION ISSUED BY ARCHITECT & ARCHITECT'S CONSULTANTS TOWARD CONVEYING A COMPLETE & TIMELY PROJECT.

INDEX OF DRAWINGS

ARCHITECTURAL

G-000 COVER SHEET

G-011 ACCESSIBILITY REQUIREMENTS & GUIDELINES A-101 FLOOR PLAN

A-121 REFLECTED CEILING PLAN

A-711 INTERIOR ELEVATIONS

G-001 SPECIFICATION NOTES

CONSTRUCTION AS NOTED ON PLANS REVIEW

SIMONSON

No. A008138

2021-04-29

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A-401 RESTROOM PLANS A-701 INTERIOR FINISHES

A-712 INTERIOR ELEVATIONS A-713 INTERIOR ELEVATIONS

A-714 INTERIOR ELEVATIONS & DETAILS

SPECIFICATION MANUAL

Not Provided - All Specification Notes included on drawings.

DOCUMENTS BY OTHERS

(Refer to these design documents under separate cover.)

(Refer to these design documents under separate cover.)

HEATING, VENTILATING, & AIR CONDITIONING (Refer to these design documents under separate cover.)

ELECTRICAL (Refer to these design documents under separate cover.)

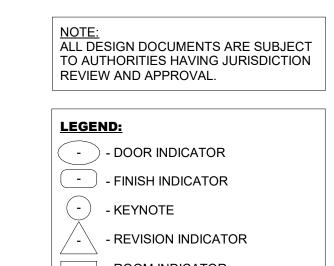
(Refer to these design documents under separate cover.)

ELECTRONIC SAFETY & SECURITY (Refer to these design documents under separate cover.)

IMPORTANT DESIGN SCOPE NOTE:

Simonson & Associates Architects LLC and their consultants has completed these design documents to the level of detail requested by our client. The level of detail may range from schematic design document(s) mainly conveying programmatic information to fully detailed documents and specifications. However, the clients intent and expectations are that these documents be used as the basis for design for an complete all-inclusive project based upon industry standards & manufacturer recommendations for all disciplines & materials. It should also satisfy all authorities having jurisdiction requirements.

THIS DRAWING DOES NOT REPRESENT AN AS-BUILT CONDITION. ACTUAL DETAILS AND DIMENSIONS MAY VARY AND ARE SUBJECT TO CHANGE. AS-BUILT CONDITIONS MUST BE FIELD VERIFIED PRIOR TO FINAL LAYOUT AND CONSTRUCTION OF INTERIOR TENANT IMPROVEMENTS.



- HORIZONTAL & VERTICAL ASSEMBLY TYPE IDENTIFIER - WINDOW INDICATOR

SCALE NOTE:

24"x36" SHEET (FULL SIZE)

- SCALE IS AS NOTED. 12"x18" SHEET (HALF SIZE) - SCALE IS ONE-HALF OF WHAT IS NOTED OTHER SHEET SIZES NOT TO SCALE

- ROOM INDICATOR

COVER SHEET

Proj. No.

21050

Sheet Title

SAA Proj. Mgr.

TAREA .

OVERALL FLOOR PLAN NORTH

DIVISION 01 – GENERAL REQUIREMENTS

- 1. Refer to additional notes and requirements on all other documents and other disciplines documents.
- 2. In the event that a discrepancy is found between any codes, governing authority, drawings, documents, or any other requirements,
- the most restrictive or stringent requirement shall be used. 3. Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work
- under separate Contracts. 4. Owner reserves the right to place and install equipment in all areas of building and site, before Substantial Completion, provided it does not interfere with completion of the Work.

CONSTRUCTION SCHEDULE - Before commencing Work, submit a schedule showing the sequence, commencement and completion dates for all phases of the Work.

Coordinate the Work of this Contract with work performed under separate <u>TEMPORARY CONSTRUCTION</u> - Provide all required temporary

construction, temporary facilities and temporary utilities required to complete the project including but not limited to, erosion control structures material storage areas, enclosures for tools and other equipment, a field office, temporary utility services for construction usage, temporary heat and cover, and temporary toilet facilities. <u>CLEAN-UP</u> - The Contractor shall be responsible for construction trash

removal services and shall at all times keep the building and site free from accumulation of debris. Upon completion, the building, including glazing, and site shall be cleaned and turned over to the Owner. WARRANTY - All work shall be of good quality and all materials and equipment shall be new and free from defects for a period of one year from the date of substantial completion of work. Any extended warranties obtained from suppliers of subcontractors shall be forwarded to the owner. <u>INSURANCE</u> - The Contractor shall maintain Workers' Compensation Insurance and Comprehensive Public Liability and Builders Risk

QUALITY ASSURANCE - The Contractor shall implement a Quality Assurance program which includes independent agency testing and observation of soils, cast-in-place concrete and structural steel, as well as inspection of work in progress. The owner will have the right to perform inspections and/or independent tests at any time. All lines and levels shall be established by a Registered Land Surveyor. RECORD DOCUMENTS - Upon completion of the project, the Contractor shall prepare a complete set of record documents including a list of

Suppliers and Subcontractors used on the project, manufacturer's warranties, operation and maintenance manuals for major pieces of equipment and instruction manuals when appropriate for building systems.

SUBMITTALS 1. Allow enough time for submittal review, including time for

- resubmittals, No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals. 2. By submitting shop drawings, product data and samples, the
- contractor has verified and approved the information contained within. The contractor's review and approval shall be shown on each submittal prior to the submission to the architect. 3. Provide samples for each type and color for review of kind, color,
- pattern, and texture for a check of these characteristics with other 4. Immediately on discovery of the need for interpretation of the Contract
- Documents, and if not possible to request interpretation at Project meeting, prepare and submit an RFI. 5. Include as part of each alternate, miscellaneous devices, accessory
- objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate. Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

QUALIFICATIONS

Insurance.

- 1. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance. 2. Manufacturer Qualifications: A firm experienced in manufacturing
- products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- 3. Fabricator Qualifications: A firm experienced in producing products similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- 4. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or product that are similar to
- those indicated for this Project in material, design, and extent. 5. Specialists: Certain items require that specific construction activities shall be performed by entities who are recognized experts in those operations. Specialists shall satisfy qualification requirements and shall be engaged for the activities indicated.
- 6. Testing Agency Qualifications: An independent agency with the experience and capability to conduct testing and inspecting indicated and where required by authorities having jurisdiction, that is acceptable to authorities.
- 7. Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.
- 8. Manufacturer's Warranty: Preprinted written warranty published by individual manufacturer for a particular product and specifically endorsed by manufacturer to Owner.

DIVISION 02 - EXISTING CONDITIONS

discrepancies

- 1. Verify existing conditions before fabrication or prior to proceeding with the work, and notify the architect immediately of significant
- 2. Maintain existing building in a weathertight condition throughout construction period. Repair damage caused by construction operations. Protect building and its occupants during construction
- 3. Perform the Work so as not to interfere with day-to-day operations. Maintain existing exits, unless otherwise indicated.
- 4. Provide new units to match existing units in body composition, physical properties, color, gloss, surface texture, thickness, profile,
- dimensions, and composition of surface. 5. Protect persons, motor vehicles, surrounding surfaces of building not effected, building site, plants, and surrounding buildings from harm resulting from any work. When no longer needed, promptly remove
- masking to prevent adhesive staining. 6. Support and protect remaining construction that surrounds removal area. Maintain flashing, reinforcement, lintels, and adjoining construction in an undamaged condition.

SPECIFICATION NOTES

DIVISION 03 – CONCRETE Refer to Structural Documents GENERAL

- 1. All concrete shall be reinforced unless otherwise noted. 2. All concrete shall be saw cut. If saw cuts are not specified, contact architect and engineer. If possible provide saw cut under demising
- 3. Concrete to only be placed over dry sub-grade to prevent heaving in
- 4. Forms where concrete is to be exposed shall be smooth and free of
- 5. Exterior paving to be 1/4" lower than interior finish floor, sloping away from building. Where no paving, top of finished grade a minimum of 4" below finish floor.

033500 CONCRETE FINISHING

- 1. Concrete floor slab shall be installed to a true plane with no deviations greater than 1/4" in any 10'-0" direction and free from blemishes and trowel marks.
- 2. Trowel Finish: Apply a trowel finish to monolithic slab surfaces exposed to view and slab surfaces to be covered with resilient flooring, carpet, ceramic or quarry tile, paint, or another thin film-finish coating system. Grind smooth any surface defects that would telegraph through applied floor covering system.

DIVISION 04 – MASONRY (Refer also to Structural Documents) GENERAL:

DIVISION 05 – METALS (Refer also to Structural Documents)

GENERAL:

<u>DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES</u> (Refer also to Structural documents)

- 1. All wood framing members, including wood sheathing, that rest on the exterior foundation walls & are less than 8" from exposed earth & all wood in direct contact with masonry, concrete, earth or material that retains moisture shall be of naturally durable or preservative-treated
- 2. Wood blocking is required for, but not limited to millwork, cabinets, handrails, rest room fixtures & accessories, grab bars, future grab bars as required in R / Multi-family occupancies, door & window frames, overhead door bucks, hardware, owner/tenant fixtures & equipment,

<u>064116 PLASTIC LAMINATE FACEDS ARCHITECTURAL CABINETS</u> Comply with AWI's "Architectural Woodwork Standards".

- 2. MDF to be Grade 130 with no urea-formaldehyde resins. Particleboard to be Grade M-2 with no urea-formaldehyde resins. Thermoset panels thermally fused, melamine-impregnated paper complying with NEMA LD3, Grade VGL.
- 3. Before installation, condition cabinets to installtion areasfor a minimum of 24 hours.
- 4. Install level, plumb, true and straight. Shim as required with concealed shims. Scribe and cut to fit adjoining work, refinish cut surfaces and repair damaged finishes at cuts.
- 5. Anchor to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners, and blind nailing. Use fine finishing nails or finishing screws for exposed fastening, countersunk and

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

<u>072100 THERMAL INSULATION</u> - R19 min. wall insulation at all studio walls unless otherwise noted. 072600 VAPOR RETARDERS

- 1. All studio walls to received 10-mil thick vapor barrier sheets (installed per manufactuer's reccommendation) beneath the gypsum board on the studio side.
- 2. Seal vertical joints in vapor retarder by lapping no fewer than two studs and sealing per the manufacturer's reccomendation. 3. Seal joints caused by pipes, conduits, electrical boxes, adn similar items penetrating vapor retarder with paor-retarder tape to create an airtight seal between penetrating objects and vapor retarders. 079000 JOINT PROTECTION
- Provide joint sealant at all wall and floor control and expansion joints and exterior doors, windows and other openings.
- 2. Provide backer rods where required for proper sealant application. Backer rods to be polyethylene closed-cell with a surface skin.
- 3. Utilize acoustical sealant at all floor/wall/deck junctures prior to installation of base at studio walls.
- 4. Sealants to be compatible to materials for maximum bonding and
- 5. Soft caulk joint between vertical joints of dis-similar materials. Soft caulk joint & metal pan underneath horizontal joints of dis-similar
- 6. Sealants should be color matched to adjacent materials.

DIVISION 08 – OPENINGS

- 1. All glass in interior doors, frames, sidelights, windows and storefront
- to be 1/4", tempered, laminated and/or rated glass where required. 2. All interior glass between tempered and non-tempered spaces shall be clear insulated

<u>081000 DOORS & FRAMES</u> - (Refer to Door & Frame Schedule & <u>088300 MIRRORS</u>

- 1. Mirrors above accessible lavatories shall have the bottom edge of the
- reflecting surface 40" maximum above the floor. 2. All mirrors to be tempered or film-backed saftey.

DIVISION 09 – FINISHES (Refer to Finish Sheet A-701)

- GENERAL: 1. All finishes to be verified with Owner prior to ordering.
- 2. All finishes to be installed as recommended by the manufacturer's isntalltion instrcutions. Any inconsistence foundin the installation and these recommendations willr esult in removal of defective material and reinstalltion.
- 3. Properly clean and prep (fill any cracks, holes or depressions) all substrates for adequate bond of finish.

092116 GYPSUM BOARD ASSEMBLIES

- I. All gypsum board to be smooth finish, properly taped and sanded, 2. Gypsum board expansion joints shall be used where required per
- standard gyp. board practice to prevent cracking of drywall. 099100 PAINTING - All paint finish shall be primed followed by 2 coats of high quality finish paint. Gypsum board shall be latex paint, interior metals shall be epoxy paint, exterior metals shall be a three-coat Tnemec system. If smooth surface, material should be sanded between all coats. All steel doors & metal frames shall be spray applied paint.

SPECIFICATION NOTES

DIVISION 10 - SPECIALTIES

Window coverings, toilet accessories, lockers, and flagpole shall be

10 14 00 SIGNAGE: Provide all that apply. All signage shall comply with the ICC A117.1 requirements, where required, such as visual characters, raised characters, international symbols of accessibility, & braille. 1. BUILDING ADDRESS IDENTIFICATION: Approved address

- numbers or letters, where each character shall be not less than 4" in height and not less than 0.5" in width stroke, shall be installed on a contrasting background and be plainly visible from the street or road fronting the property (& monument sign). When required by the governing authority, address numbers shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or approved sign or means shall be used to identify the structure. Address numbers shall be maintained.
- 2. EXIT SIGNS (non-illuminated tactile type): Raised character and Braille exit signs. A sign stating EXIT in raised characters and Braille and complying with ICC A117.1 shall be provided adjacent to each door to an area of refuge, an exterior area for assisted rescue, an exit stairway, an exit ramp, an exit passageway an the exit discharge. Refer to others docs for illuminated exit sign requirements.
- 3. ACCESSIBILITY: Required accessible elements shall be identified by the International Symbol of Accessibility (ISA) at the following locations.
- Accessible parking spaces required. Accessible passenger loading zones.
- 3. Accessible rooms where multiple single-user toilet or bathing rooms are clustered at a single location.
- 4. Accessible entrances where not all entrances are accessible. 5. Family or assisted-use toilet and bathing rooms. 6. Accessible dressing, fitting and locker rooms where not all such
- rooms are accessible 7. Accessible areas of refuge in accordance with Section 1007.9. 8. Accessible area for assisted rescue in accordance with Section
- 4. REST ROOM SIGNAGE: Required public rest room facilities shall be designated by a legible sign for each sex. Signs shall be readily visible and located near the entrance to each toilet facility. Provide ADA compliant tactile signs having Braille, regular copy and pictographs including wheelchair if applicable to be mounted 60"
- A.F.F. on wall at latch side of door. 5. ROOM DESIGNATIONS & IDENTIFICATION: Interior and exterior signs identifying permanent rooms and spaces shall be raised characters and Braille. Where pictograms are provided as designations of interior rooms and spaces, the pictograms shall have raised characters and Braille text descriptors.
- Exceptions: 1. Exterior signs that are not located at the door to the space they serve are not required to comply.
- 2. Building directories, menus, seat & row designations in assembly areas, occupant names, building addresses and
- company names and logos are not required to comply. 3. Signs in parking facilities are not required to comply. 4. Temporary (seven days or less) signs are not required to
- 5. In detention and correctional facilities, signs, not located in public areas are not required to comply.
- 6. Marketing Signage: Provide official building name & logo signage on building as approved by owner. 7. Other Jurisdiction Required Signage as required which could include:
- FDC sign above exterior Fire Department Connection. ACCESSIBLE SIGNAGE MOUNTING REQUIREMENTS:
- 1. Visual characters shall be located 40" minimum above the floor to less than or equal to 70" at the viewing position distance (less than 6'), measured to the baseline of the visual character 2. Raised characters shall be located 48" minimum above the floor,
- measured to the baseline of the raised character & 60" maximum above the floor, measured to the baseline of the highest raised character. 3. Where a sign containing raised characters & braille is provided at a door, the sign shall be alongside the door at the latch side. Where a sign containing raised characters & braille is provided at
- double doors with one active leaf, the sign shall be located on the inactive leaf. Where a raised characters & braille is provided at double doors with two active leafs, the sign shall be to the right of the right-hand door. Where there is no wall space on the latch side of a single door or the right side of double doors, signs shall be on the nearest adjacent wall. Signs containing raised characters & braille shall be located so that a clear floor area 18" minimum by 18" minimum, centered on the raised characters is provided beyond the arc of any door swing between the closed position & 45 degree position.
- 4. Braille shall be located 48" minimum & 60" maximum above the
- floor, measured to the baseline of the braille cells. 9. ACCESSIBLE PARKING SPACE IDENTIFICATION SIGNS: 1. Parking space identification signs shall include the International Symbol of Accessibility. Signs identifying van parking spaces shall contain the designation "van accessible". Signs shall be 60" minimum above the finish floor or ground surface measured to
- the bottom of the sign. 10 20 00 TOILET COMPARTMENTS - (Refer to Rest Room Details) 10 28 00 TOILET, BATH, AND LAUNDRY ACCESSORIES - (Refer to 10 41 16 EMERGENCY KEY CABINETS - Provide a recessed Knox box
- ordered from or approved by and installed in a location approved by governing authorities. 10 44 16 FIRE EXTINGUISHERS - Provide and install fire extinguishers, 10 pound ABC or as approved by governing authorities, by each exit and a maximum travel distance of no more than 75'-0" per placement, or as

required by governing authorities. Fire extinguisher shall be in a semirecessed cabinet when located in common areas.

DIVISION 11 – EQUIPMENT

DIVISION 12 – FURNISHINGS GENERAL:

DIVISION 13 – SPECIAL CONSTRUCTION

<u>DIVISION 14 – CONVEYING EQUIPMENT</u> GENERAL:

DIVISION 15 - 19 (Not Used)

SPECIFICATION NOTES

FACILITY SERVICE SUBGROUP DIV. 20 – 29

DIVISION 20 (Not Used)

<u>DIVISION 21 – FIRE SUPPRESSION</u>

(Refer to Fire Suppression scope/documents & Utility requirements)

- 1. All penetrations thru rated walls must be protected by approved fire
- rated assemblies and fire stopping materials. 2. Drop current system into new tenant ceiling. Heads in ACT ceilings shall be centered on tiles.

DIVISION 22 – PLUMBING

- (Refer to Plumbing scope/documents & Utility requirements)
- 1. All information shall be clearly documented and provided to owner and architect. Lines under floor slab shall be clearly documented.

DIVISION 23 – HEATING, VENTILATION, AND AIR CONDITIONING (Refer to Mechanical scope/documents & Utility requirements)

- 1. All information shall be clearly documented and provided to owner and architect.
- 2. Provide independently controlled areas having excessive heat gain or heat loss or affected by solar radiation at different times of the day. 3. Verify location of all thermostats with owner before permanent
- placement.
- 4. Provide exhaust fans in all rest rooms. 5. Clean all systems and provide new filters after construction is

23 09 00 INSTRUMENTATION & CONTROL FOR HVAC Thermostats shall be placed within one or more of the ANSI accessible reach ranges & all controls 48" height maximum from finished floor.

DIVISION 24 (Not Used)

DIVISION 25 – INTEGRATED AUTOMATION

(Refer to Electrical scope/documents)

1. If requested, provide complete flexible electronic building management systems to control all building functions including but not limited to HVAC, lighting, security, card reader access, fire/sprinkler alarm, etc.

- **DIVISION 26 ELECTRICAL** (Refer to Electrical scope/documents & Utility requirements)
- 1. All information shall be clearly documented and provided to owner and

NOTE: Electric sub-contractor shall calculate & verify the required size of the service with utility company

- 265200 EMERGENCY LIGHTING Provide dual beam emergency lights with battery back-up to provide a minimum 1 foot-candle, at floor level, throughout egress system or as required by governing authorities. <u>265300 EXIT SIGNS</u> - Provide lighted exit signage with battery back-up by each exit and throughout egress system as required by governing authorities. Exit signs at doors shall be on the door or within 4" of the door
- 265600 EXTERIOR LIGHTING -
- 1. Provide downlites to illuminate each exterior door. 2. All exterior building lighting shall be flexibly controlled by both photocell &

3. All fixtures must be approved by governing authorities before installation.

DIVISION 27 – COMMUNICATIONS (Refer to Electrical & Life-Safety scope/documents & Utility requirements)

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY (Refer to Electrical & Life-Safety scope/documents)

DIVISION 29 (Not Used)

GENERAL:

GENERAL:

GENERAL:

Site & Infrastructure Subgroup Div. 30–39

DIVISION 30 (Not Used)

DIVISION 31 – EARTHWORK (Refer to Civil & Geotechnical documents)

DIVISION 32 - EXTERIOR IMPROVEMENTS

(Refer to Civil & Geotechnical documents)

DIVISION 33 – UTILITIES

overflow and/or backup.

Refer to Civil documents

1. All utilities shall be adequately sized and spaced to eliminate any

<u>DIVISION 34 – Transportation</u> (Not Applicable)

<u>DIVISION 35 – Waterway and Marine Construction</u> (Not Applicable)

DIVISION 36 - 39 (Not Used)

End of Specification Notes

CONSTRUCTION AS NOTED ON PLANS REVIEW

RELEASE FOR

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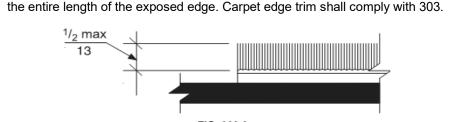
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Sheet Title

SPECIFICATION

302 Floor or Ground coverings

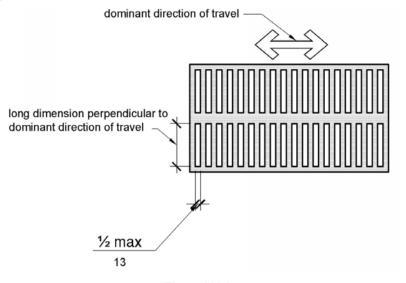
302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/ uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on



CARPET ON FLOOR SURFACES

302.3 Openings.

Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that long dimension is perpendicular to the dominant direction of travel.

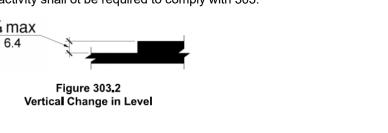


Elongated Openings in Floor or Ground Surfaces

303 Changes in Level

Where changes in level are permintted in floor or ground surfaces, they shall comply with 303

EXCEPTIONS: 1. Animal containment areas shall not be required to comply with 303. 2. Areas of sports activity shall ot be required to comply with 303.



Changes in level 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical.

Changes in level between 1/4 inch (6.4 mm) high minimum an 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.

A change in level 1/2 inch (13 mm) is permitted to 1/4 inch (6.4 mm) vertical plus 1/4 inch (6.4 mm) beveled. However, in no case may the combined change in level exceed 1/2 inch (13 mm). changes in level exceeding 1/2 inch (13 mm) must comply with 405 (Ramps) or 406 (Curb Ramps).

303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) high shall be ramped, and shall comply with 405 or 406.

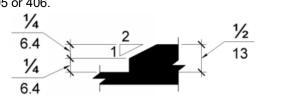


Figure 303.3 Beveled Change in Level

304 Turning Space 304.1 General

Turning space shall comply with 304.

304.2 Floor or Ground Surfaces. Floor or ground surfaces of a turning space shall comply with 302. Changes in level are not permited.

EXCEPTIONS:

Slopes not steeper than 1:48 shall be permitted.

Advisory 304.2 Floor or Ground Surface Exception. As used in this section, the phrase "changes in level" refers to surfaces with slopes and to surfaces with abrupt rise exceeding that permitted in Section 303.3. Such changes in level are prohibited in required clear floor and ground spaces, turning spaces, and in similar spaces where people using wheelchairs and other mobility devices must park their mobility aids such as in wheelchair spaces, or maneuver those elements such as at doors, fixtures, and telephones. The exception permits slopes not steeper than 1:48.

304.3 Size. Turning space shall comply with 304.3.1 or 304.3.2.

304.3.1 Circular Space.

Turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space

The turning space shall be a T-shaped space within a 60 inch (1525) mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (304 mm) minimum in each direction and the base shall be clear of obstruction 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

304.4 Door Swing.

Doors shall be permitted to swing into turning spaces.

Figure 304.3.2

305 Clear Floor or Ground Space

305.1 General Clear floor or ground space shall comply with 305.

305.2 Floor or Ground Surfaces. Floor or ground surfaces of a clear floor or ground space shall comply with 302. Changes in level are not permitted.

EXCEPTIONS: Slopes not steeper than 1:48 shall be permitted.

The clear floor or ground space shall be 30 inches (760 mm) minimum by 48 inches (1220 mm) minimum.

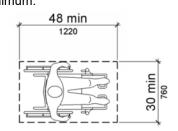


Figure 305.3 Clear Floor or Ground Space 305.4 Knee and Toe Clearance.

Unless otherwise specified, clear floor or ground space shall be permitted to include knee and toe clearance complying with 306.

Unless otherwise specified, clear floor or ground space shall be positioned for either forward or parallel approach to an element. 48 min 30 min

Figure 305.5 Position of Clear Floor or Ground Space

parallel

forward

One full unobstructed side of the clear floor or ground space shall adjoin an accessible route or adjoin another clear floor or ground space. 305.7 Maneuvering Clearance.

Where a clear floor space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearance shall be provided in accordance with 305.7.1 and 305.7.2.

305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm) wide minimum where the depth exceeds 24 inches (610 mm).

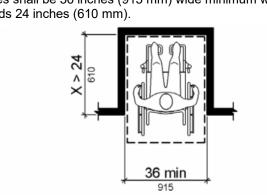


Figure 305.7.1 Maneuvering Clearance in an Alcove, Forward Approach

305.7.2 Parallel Approach. oves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

SIGN OR

OBSTRUCTION -

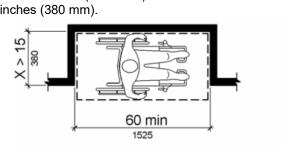


Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach

PROTRUDING OBJECTS

BY ADA ACCESSIBILITY GUIDELINES AND LOCAL CODES.

ALL GRAB BARS TO BE 1.25"-1.5" DIA. WITH GRIPPABLE SURFACE.

(ALL MOUNTING HEIGHTS INDICATED ARE ABOVE FINISHED FLOOR LEVEL.)

FIXTURE MOUNTING HEIGHT

306 Knee and Toe Clearance

306.1 General. Where space beneath an element is included as part of clear floor or ground space or turning space, the space shall comply with 306. Additional space shall not be prohibited beneath an element but shall not be considered as part of the clear floor or ground space or turning space.

Advisory 306.1 General. Clearances are measured in relation to the usable clear floor space, not necessarily to the vertical support for an element. When determining clearance under an object for required turning or maneuvering space, care should be taken to ensure the space is

306.2 Toe Clearance.

306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an

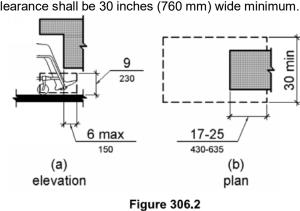
under the element.

clear of any obstructions.

element. 306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

Toe clearance shall be 30 inches (760 mm) wide minimum.



Toe Clearance

306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

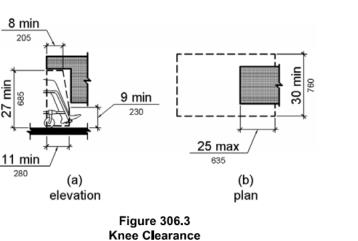
306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (365 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.

306.3.3 Minimum Required Depth.

306.3 Knee Clearance.

Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permited to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150mm) in



307 Protruding Objects

307.1 General.

Protruding objects shall comply with 307. **307.2 Protrusion Limits.** Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

Advisory 307.2 Protrusion Limits. When a cane is used and the element is in the detectable range, it gives a person suffecient time to detect the element with the cane

before there is body contact. Elements located on circulation paths, including operable elements, must comply with requirements for protruding objects. For example, awnings and their supporting structures cannot reduce the minimum required vertical clearance. Similarly, casement windows, when open, cannot encroach more than 4 inches (100 mm) into the circulation path above 27 inches (685 mm).

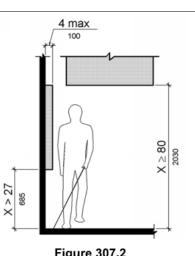


Figure 307.2 Limits of Protruding Objects

307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the finish floor or ground.

EXCEPTION: The sloping portions of handrails serving stairs and ramps shall not be required to comply with 307.3.

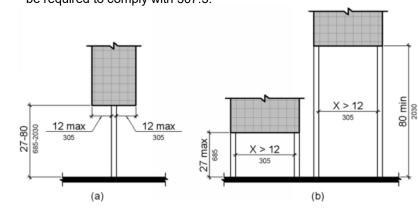


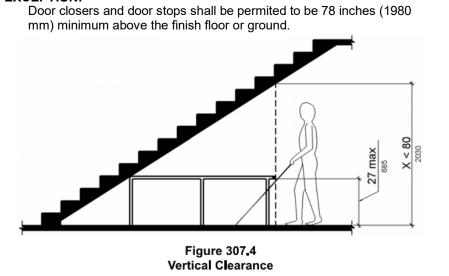
Figure 307.3 Post-Mounted Protruding Objects

307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high mimimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground.

WING WALLS

PROTRUDING OBJECTS HARGING ON

WALL WITH LEADING EDGES ABOVE 27"



CARPET PILE THICKNESS

307.5 Required Clear Width Protruding objects shall not reduce the clear width required for accessible routes.

Figure 308.2.2 308.3 Side Reach. 308.3.1 Unobstructed. inches (380 mm) minimum above the finish floor or ground. 10 inches (255 mm) maximum.

ground space and the element where the depth of the obstruction is 2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

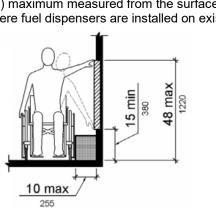


Figure 308.3.1 **Unobstructed Side Reach**

Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (225 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (117 mm)

maximum for a reach depth of 24 inche (610 mm) maximum. 1. The top of washing machines and clothes dryers shall be permitted to be 36 inches (915 mm) maximum above the finish floor. 2. Operable parts of fuel dispensers shall be permitted to be 54

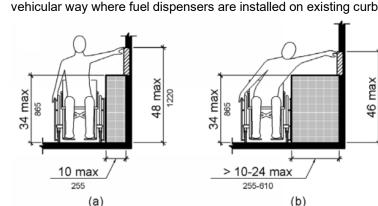
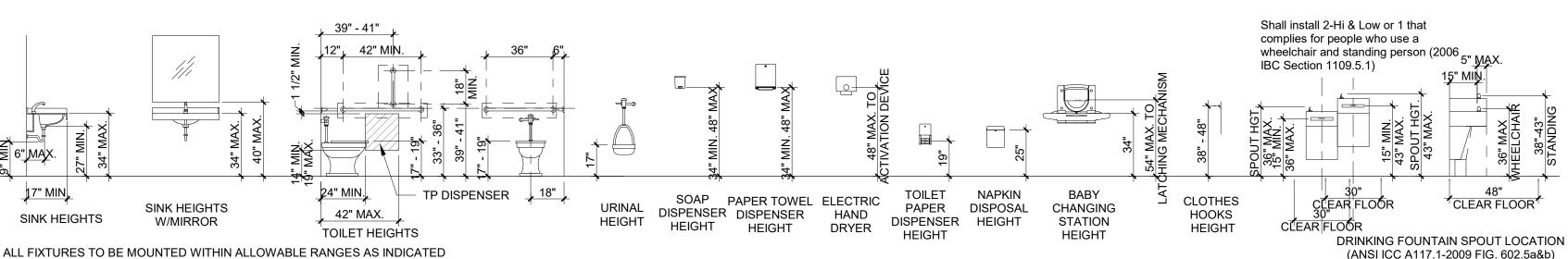


Figure 308.3.2



ADDITIONAL PROTECTION NOT

REQUIRED BETWEEN WING WALLS

CANE RANGE

WALKING PARALLEL TO A WALL WALL PERPENDICULAR TO A WALL

CORRIDOR OR OTHER

CIRCULATION SPACE

EXAMPLE OF PROTECTION AROUND

WALL-MOUNTED OBJECTS AND

MEASUREMENTS OF CLEAR WIDTHS

308 Reach Ranges

308.1 General.

Reach ranges shall comply with 308. Advisory 308.1 General The following table provides guidance on reach ranges for children according to age where building elements such as hooks, lockers, or operable parts are designed for use primarily by children. These dimensions apply to either forward or side reaches. Accessible elements and operable parts designed for adult use or children over age 12 can be located outside these ranges but must be within the adule reach ranges required by 308. Children's Reach Ranges Forward or Ages 3 and 4 Ages 5 through 8 Ages 9 through 12 309 Operable Parts

309.2 Clear floor space.

Operable parts shall comply with 309.

parts shall be 5 pounds (22.2N) maximum.

60" DIAMETER SPACE

NOTE: X = 36" MINIMUM

IF Y = 60"; X = 42"

MINIMUM IF Y = 54".

PULL SIDE

NOTE: Y = 54" MINIMUM

IF DOOR HAS CLOSER.

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

PULL SIDE

PULL SIDE

A clear floor space complying with 305 shall be provided.

Operable parts shall be operable with one hand and shall not require tight

grasping, pinching, or twisting of the wrist. The force required to activate operable

T-SHAPED SPACE

FOR 180° TURNS

PUSH SIDE

NOTE: Y = 48" MINIMUM

IF DOOR HAS BOTH A

LATCH AND CLOSER.

NOTE: Y = 48"

MINIMUM

IF DOOR HAS

CLOSER.

☐ PUSH SIDE

WHEELCHAIR TURNING SPACE

NOTE: X = 12" IF DOOR

AND

FRONT

APPROACHES -

SWINGING DOORS

HINGE SIDE

APPROACHES

- SWINGING DOORS

LATCH SIDE APPROACHES - SWINGING

NOTE: ALL DOORS IN ALCOVES SHALL

COMPLY

THE CLEARANCES FOR FRONT

APPROACHES.

MANEUVERING CLRS @ DOORS

MINIMUM CLEAR WIDTH

HAS BOTH A CLOSER

A LATCH.

309.1 General.

Side Reach High (maximum) 36 in (915 mm) 40 in (1015 mm) 44 in (1120 mm) Low (minimum) 20 in (510 mm) 18 in (455 mm) 16 in (405 mm)

308.2 Forward Reach.

308.2.1 Unobstructed Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

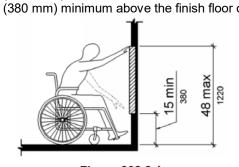
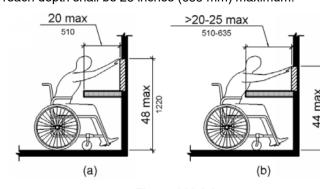


Figure 308.2.1 **Unobstructed Forward Reach**

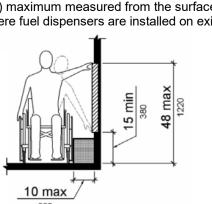
308.2.2 Obstructed High Reach. Where a high reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1120 mm) maximum where the reach depth is 20 inches (510mm) maximum. Where the reach depth exceeds 20 inches (150 mm), the high reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.



Obstructed High Forward Reach

Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side shall be 15

1. An obstruction shall be permitted between the clear floor and



308.3.2 Unobstructed High Reach.

EXCEPTIONS:

TOE CLEARANCE (ANSI ICC A117.1-2009 FIG. 306.2)

KNEE CLEARANCE (ANSI ICC A117.1-2009 FIG. 306.3)

inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

Obstructed High Side Reach

FOR SINGLE WHEELCHAIR FOR TWO WHEELCHAIRS MINIMUM CLEAR WIDTHS SCALE: 1/4" = 1'-0"

ACCESSIBILITY GUIDELINES & REQUIREMENTS

MINIMUM CLEAR WIDTH

<u>Code Referenced:</u> 2010 ADA Standards for Accessible Design Dept. of Justice published revised regulations on September 15, 2010 to set minimum enforceable accessibility standards/requirements for newly designed & constructed or altered State and local government facilities, public accommodations, and commercial facilities after March 15, 2012.

Code Referenced: Chapter 11, 2015 INTERNATIONAL BUILDING CODE (IBC) Buildings and facilities shall be designed and constructed to be accessible in accordance with this code and ICC/ANSI A117.1-2009 (Section 1101.2).

CONSTRUCTION AS NOTED ON PLANS REVIEW

MICHAEL WAYNE SIMONSON .No. A008138 2021-04-29

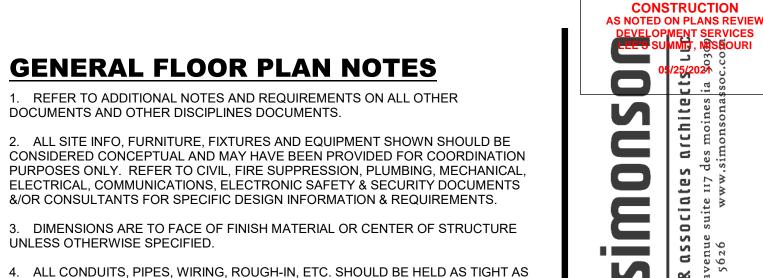
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Proj. No. SAA Proj. Mgr. 21050 Sheet Title **ACCESSIBILITY**

REQUIREMENTS

& GUIDELINES heet No.

G-011



POSSIBLE TO THE ROOF OR FLOOR DECK OR SHOULD BE KEPT WITHIN INTERIOR WALL CAVITIES. NOTHING SHALL BE BELOW THE BOTTOM EDGE OF MAIN BUILDING FRAMES, NOTHING SHALL BE EXPOSED IN FINISHED SPACES, NOTHING SHALL PREVENT A SMOOTH CONTINUOUS FINISHED WALL OR CEILING AS NOTED ON THE DRAWINGS AND NO PLUMBING RAN IN EXTERIOR WALLS UNLESS PRIOR APPROVAL IS GRANTED BY THE ARCHITECT OR OWNER. PLACEMENT COORDINATION BETWEEN TRADES IS REQUIRED.

5. INSTALL VERTICAL EXPANSION JOINT MINIMAL AT COLUMN/GRID LINES AND AT THE HEAD OF DOOR JAMBS/OPENINGS OR AS OTHERWISE NOTED OR WHERE REQUIRED PER STANDARD MATERIAL PRACTICE TO REDUCE STRESS CRACKING. NO CONTROL JOINT/EXPANSION JOINT IN LOAD BEARING AREAS, STAY AWAY 2'-6" MIN.

6. CAULK & SEAL ALL CONTROL-EXPANSION, SAWCUT JOINTS AT ALL INTERIOR & EXTERIOR MASONRY & CONCRETE.

GENERAL DOOR, FRAME, & HARDWARE NOTES

- REFER TO ADDITIONAL NOTES AND REQUIREMENTS ON ALL OTHER DOCUMENTS AND OTHER DISCIPLINES DOCUMENTS.
- 2. ALL LOCKS SHALL BE REMOVABLE CYLINDER TYPE, MASTER KEYED(CONTRACTOR TO COORDINATE KEYING WITH OWNER)
- 3. ALL HARDWARE TO BE HEAVY DUTY COMMERCIAL GRADE. FINISH PER SCHEDULE. BRUSHED STAINLESS STEEL IS AN ACCEPTABLE ALTERNATIVE FINISH.
- 4. DOORS TO ROOMS WITH ELECTRICAL SERVICES OF 800 AMPS OR GREATER WILL REQUIRE PANIC EXIT HARDWARE ON ALL DOORS.
- 5. ALL INTERIOR DOORS: (UNLESS OTHERWISE NOTED)
- SHALL BE FLUSH, SOLID-CORE, WOOD.
 DOORS BETWEEN FULL HVAC AND REDUCED HVAC SPACES SHALL BE FULLY
- FRAMES SHALL BE HEAVY DUTY HOLLOW METAL CONSTRUCTION.
- SHALL HAVE LEVER STYLE ADA DOOR HANDLES AND/OR PULLS.
 SHALL HAVE HEAVY DUTY HINGES.
- SHALL HAVE SILENCERS.
 SHALL HAVE CORRESPONDING DOORSTOPS (WALL OR OVERHEAD
- MOUNTED).

 SHALL HAVE CLOSERS, LOCKS & SPECIFIC HARDWARE AS NOTED ON DOOR
- SCHEDULE.
- ALL GLASS: (UNLESS OTHERWISE NOTED)
 IN INTERIOR DOORS AND FRAMES TO BE 1/4" CLEAR.

 SHALL BE TEMPERED LAMINATED AND/OR BATED WHERE BEG
- SHALL BE TEMPERED, LAMINATED AND/OR RATED WHERE REQUIRED BY AUTHORITIES.
- 7. REFER TO MEP DOCS OR MEP SCOPE FOR CARD READER / SECURITY SYSTEM REQUIREMENTS.

HARDWARE LEGEND

 HINGE
 PUSH/PULL

 H1
 MFR: Stanley
 PP1
 MFR: Burns

 Model: FBB179
 Model: M424 X 12"; #5 Mounting

 Size: 4-1/2" x 4-1/2"
 Finish: US32D

 Finish: US26D
 Quantity: 2 (1 per side)

 Quantity: 3
 KICKPLATE

 LATCH
 KP1
 MFR: Burns

LS1 Type: Privacy
MFR: Falcon
Model: W301S D
Finish: 626

LS2 Type: Passage

Model: KP50
Size: 10" x 34"
Finish: US32D
Quantity: 2 (1 per side)

MFR: Falcon S1 Type: Wall
Model: W581PD D Abrasive/OS MFR: Ives
Finish: 626 Model: WS407CCV
Finish: US32D

Type: Gasket

MFR: Pemko

Model: 588 D per foot

STR1 Type: Manufacturer's Standard MISCELLANEOUS

CLOSER
C1 MFR: LCN
 Model: 1461
 Function: R
 Finish: Aluminum

C2 MFR: LCN
Model: 1461
Function: CNS-HO
Finish: Aluminum

B

MICHAEL

WAYNE

SIMONSON

-No. A008138

2021-04-29

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ev. # Issue / Revision Date 1 PERMIT PLANS 04/29/2021

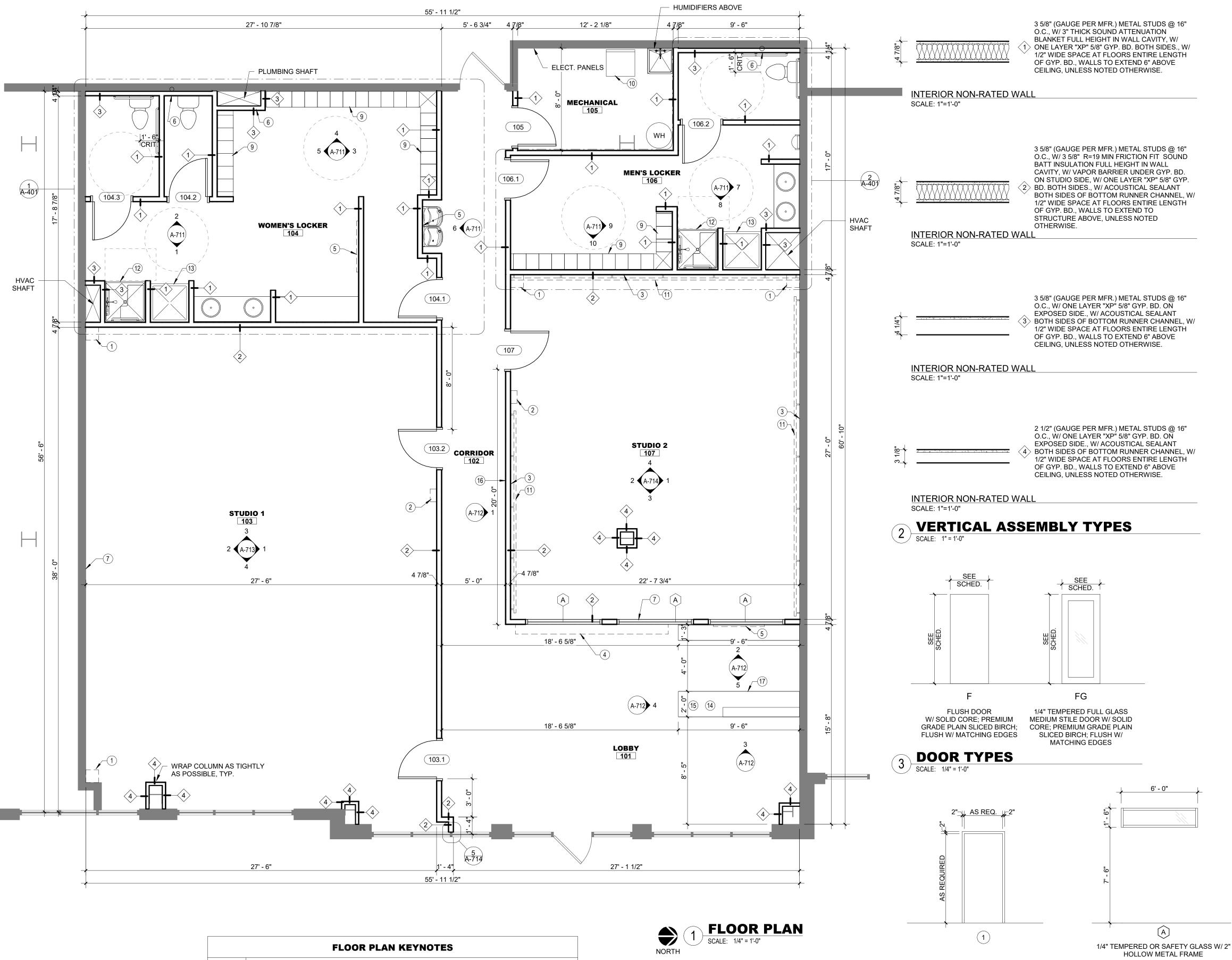
- Proj. No. SAA Proj. Mgr.
21050 SP

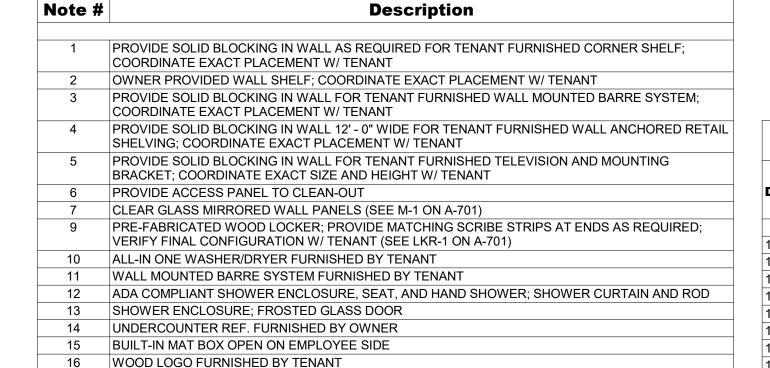
FLOOR PLAN

Sheet Title

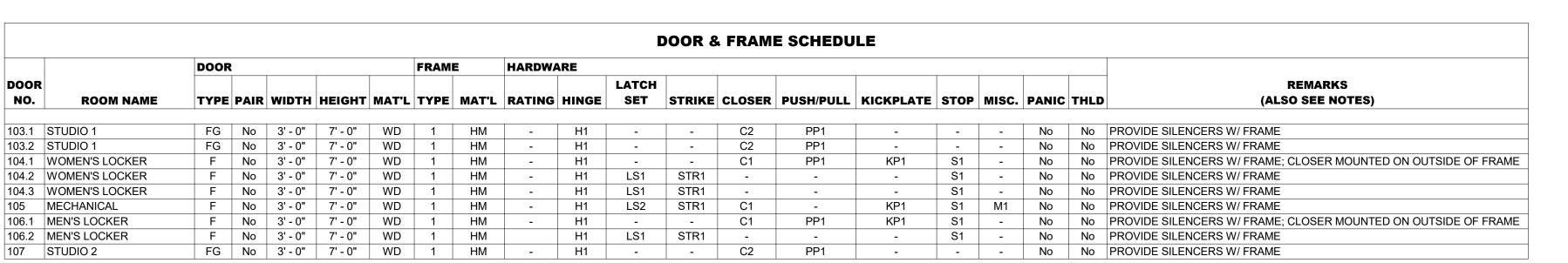
ILOOK PL

A-101





MILLWORK RECEPTION DESK; COORDINATE FINAL LAYOUT AND FINISHES W/ TENANT

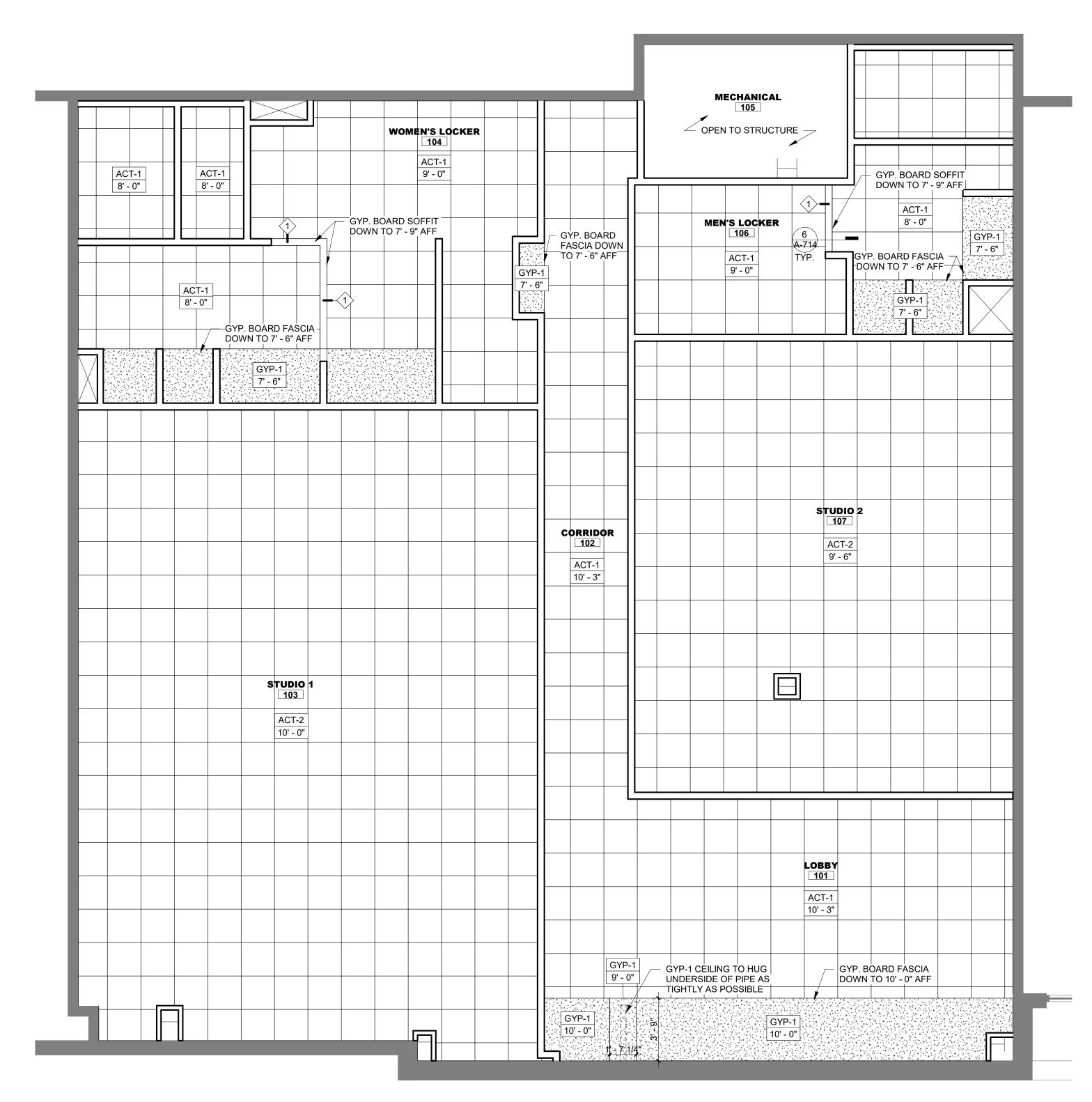


WINDOW TYPES

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

FRAME TYPES

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





GENERAL REFLECTED CEILING PLAN NOTES:

- 1. REFER TO ADDITIONAL NOTES AND REQUIREMENTS ON ALL OTHER DOCUMENTS AND OTHER DISCIPLINES DOCUMENTS.
- 2. ALL FIXTURES AND EQUIPMENT, INCLUDING LIGHT FIXTURES, SHOWN SHOULD BE CONSIDERED CONCEPTUAL AND MAY HAVE BEEN PROVIDED TO CONVEY DESIGN INTENT AND FOR COORDINATION PURPOSES ONLY. REFER TO FIRE SUPPRESSION, PLUMBING, MECHANICAL, ELECTRICAL, LIGHTING, COMMUNICATIONS, ELECTRONIC SAFETY & SECURITY DOCUMENTS &/OR CONSULTANTS FOR SPECIFIC CODE & DESIGN INFORMATION & REQUIREMENTS.
- COORDINATE LOCATIONS OF ALL LIGHT SWITCHES & SWITCHING, ELECTRICAL & COMMUNICATION OUTLETS AND THERMOSTATS WITH TENANT/OWNER PRIOR TO CONSTRUCTION.
- 4. CENTER SPRINKLER HEADS IN ALL CEILING TILES OR CEILING ASSEMBLIES.

	CEILING MATERIAL LEGEND							
MAT.								
LABEL	MATERIAL DESCRIPTION	HEIGHT						
ACT-1	24" x 24" X 5/8" ACOUSTICAL CEILING TILE; MFR-ARMSTRONG; SERIES- FINE FISSURE; MODEL- 1831; EDGE PROFILE- SQUARE; COLOR- TECH BLACK (BL); GRID- 15/16" EXPOSED TEE, BLACK	VARIES; SEE RCP						
ACT-2	24" x 24" X 5/8" ACOUSTICAL CEILING TILE W/ BATT INSULATION (R-19) ABOVE TILES; MFR- ARMSTRONG; SERIES- FINE FISSURE; MODEL- 1831; EDGE PROFILE- SQUARE; COLOR- TECH BLACK (BL); GRID- 15/16" EXPOSED TEE, BLACK	VARIES; SEE RCP						
GYP-1	GYP. BD SOFFIT; 5/8" "XP" GYP. BD. ON CEILING JOIST @ 16" O.C., TRIM AS REQUIRED; PT-2	VARIES; SEE RCP						

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES OF 1/25/2024 W.W. Simonsonassoc.costantos of 2626 www.simonsonassoc.costantos of 2626 www.simonsonassoc

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2021-04-29

POWER LIFE 940 NW PRYOR RD LEE'S SUMMIT, MO 6408

. / Revision Date 04/29/2021

Issue / Revision PERMIT PLANS

Proj. No. SAA Proj. Mgr.

21050 SP

Sheet Title

REFLECTED

CEILING PLAN

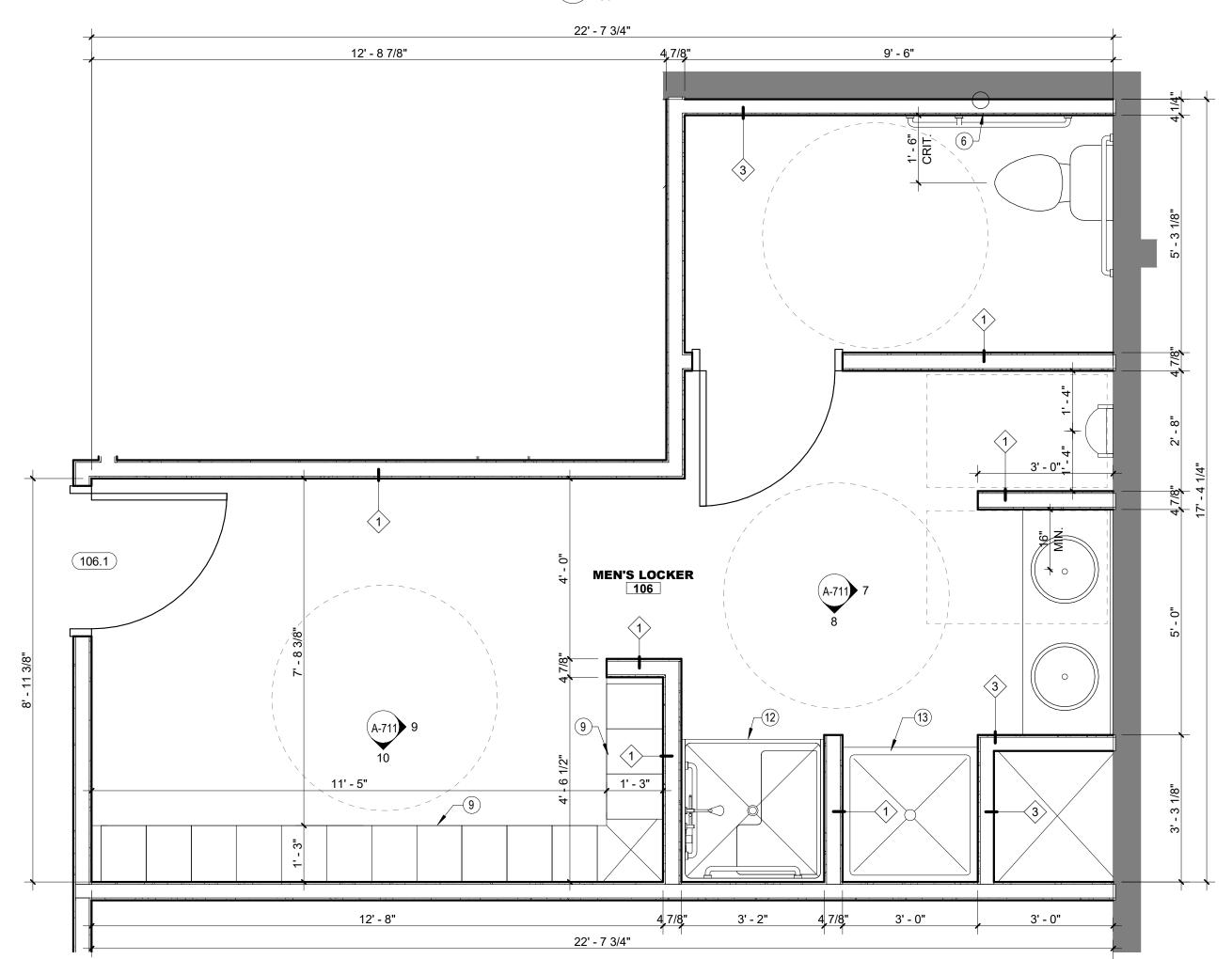
CEILING

4 7/8" 3' - 0"

3' - 2"

WOMEN'S ENLARGED RESTROOM PLANS SCALE: 1/2" = 1'-0"

5' - 8 1/2"



2 MEN'S ENLARGED RESTROOM PLANS SCALE: 1/2" = 1'-0"

GENERAL RESTROOM NOTES

- 1. REFER TO ADDITIONAL NOTES AND REQUIREMENTS ON ALL OTHER DOCUMENTS AND OTHER DISCIPLINES DOCUMENTS.
- 2. ALL PLUMBING FIXTURES SHOWN ON THIS SHEET IS PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO PLUMBING DOCUMENTS FOR SPECIFIC DESIGN INFO.
- 3. ALL RESTROOMS, FIXTURES & ACCESSORIES SHALL BE COMMERCIAL GRADE AND SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICANS WITH
- 4. PROVIDE ADEQUATE BLOCKING FOR ALL RESTROOM FIXTURES AND
- 5. ADD GFI POWER UNDER SINKS OR AROUND WATER CLOSETS IF AUTO-
- 6. FIXTURE & ACCESSORY MOUNTING HEIGHTS ARE AS FOLLOWS:
- DRINKING FOUNTAIN & WATER COOLER:
- SPOUT HEIGHT: NO HIGHER THAN 36" AFF, CONTROLS HEIGHT: SEE BELOW.

DISABILITIES ACT.

- WATER CLOSET HEIGHT: 17"-19" TO TOP OF TOILET SEAT. URINAL RIM HEIGHT: 17" AFF.
- GRAB BAR CENTER MOUNTING HEIGHT: 33"-36" AFF. • GRAB BARS TO BE 1-1/4"-1-1/2" DIA. W/ GRIPPABLE SURFACE.
- TOILET PAPER DISPENSER CENTER MOUNTING HEIGHT: 19" AFF. LAVATORY RIM OR COUNTER HEIGHT: NO HIGHER THAN 34" AFF
- MIRROR HEIGHT: BOTTOM EDGE NO HIGHER THAN 40" AFF.
- CONTROLS HEIGHT AND REACH RANGES ARE AS FOLLOWS:
- FORWARD APPROACH: 15"-48" AFF; OVER OBJECT 44" AFF MAX. SIDE APPROACH: 9"-54" AFF; OVER OBJECT 46" AFF MAX.

GENERAL FIXTURE & EQUIP. NOTES

- 1. PROVIDE THE FOLLOWING RESTROOM FIXTURES IN WHITE VITREOUS CHINA FINISH UNLESS OTHERWISE INDICATED OR APPROVED, AS REPRESENTED IN DOCUMENTS.
- FLOOR MOUNT TANK TYPE WATER CLOSETS. UNDERCOUNTER WITH OVERFLOW LAVATORY.
- 2. PROVIDE THE FOLLOWING RESTROOM ACCESSORIES IN BRUSHED CHROME FINISH UNLESS OTHERWISE STATED OR APPROVED. BRUSHED STAINLESS STEEL IS AN ACCEPTABLE ALTERNATIVE FINISH.
- WATER CLOSET AREA: • (1) SURFACE MOUNT DOUBLE TOILET PAPER DISPENSER PER WATER
- CLOSET. • (1) SANITARY NAPKIN DISPOSAL PER WOMENS WATER CLOSET.
- (1) COAT HOOK PER WATER CLOSET/URINAL. SHOWER / TUB AREA:
- (1) TOWEL HOOK PER SHOWER.

Note #

- (1) FLOOR DRAIN WITH TRIM FLUSH WITH FINISHED FLOOR PER RESTROOM.
- (1) EXHAUST FAN PER RESTROOM.
- 3. TENANT PROVIDING THE FOLLOWING RESTROOM ACCESSORIES.
- (1) PAPER TOWEL DISPENSER PER RESTROOM.

• (1) MEDIUM-SIZED TRASH RECEPTACLE PER RESTROOM.

(1) LIQUID SOAP DISPENSER PER LAVATORY.

KEYNOTES

Description

- PROVIDE SOLID BLOCKING IN WALL AS REQUIRED FOR TENANT FURNISHED CORNER SHELF; COORDINATE EXACT PLACEMENT W/ TENANT
- OWNER PROVIDED WALL SHELF; COORDINATE EXACT PLACEMENT W/ TENANT PROVIDE SOLID BLOCKING IN WALL FOR TENANT FURNISHED WALL MOUNTED
- BARRE SYSTEM; COORDINATE EXACT PLACEMENT W/ TENANT PROVIDE SOLID BLOCKING IN WALL 12' - 0" WIDE FOR TENANT FURNISHED WALL ANCHORED RETAIL SHELVING; COORDINATE EXACT PLACEMENT W/ TENANT
- PROVIDE SOLID BLOCKING IN WALL FOR TENANT FURNISHED TELEVISION AND MOUNTING BRACKET; COORDINATE EXACT SIZE AND HEIGHT W/ TENANT
- 6 PROVIDE ACCESS PANEL TO CLEAN-OUT
- 7 CLEAR GLASS MIRRORED WALL PANELS (SEE M-1 ON A-701) 9 PRE-FABRICATED WOOD LOCKER; PROVIDE MATCHING SCRIBE STRIPS AT
- ENDS AS REQUIRED; VERIFY FINAL CONFIGURATION W/ TENANT (SEE LKR-1 ON
- 10 ALL-IN ONE WASHER/DRYER FURNISHED BY TENANT
- 11 WALL MOUNTED BARRE SYSTEM FURNISHED BY TENANT 12 ADA COMPLIANT SHOWER ENCLOSURE, SEAT, AND HAND SHOWER; SHOWER CURTAIN AND ROD
- 13 SHOWER ENCLOSURE; FROSTED GLASS DOOR
- 14 UNDERCOUNTER REF. FURNISHED BY OWNER 15 BUILT-IN MAT BOX OPEN ON EMPLOYEE SIDE
- 16 WOOD LOGO FURNISHED BY TENANT
- 17 MILLWORK RECEPTION DESK; COORDINATE FINAL LAYOUT AND FINISHES W/

CONSTRUCTION
AS NOTED ON PLANS REVIEW



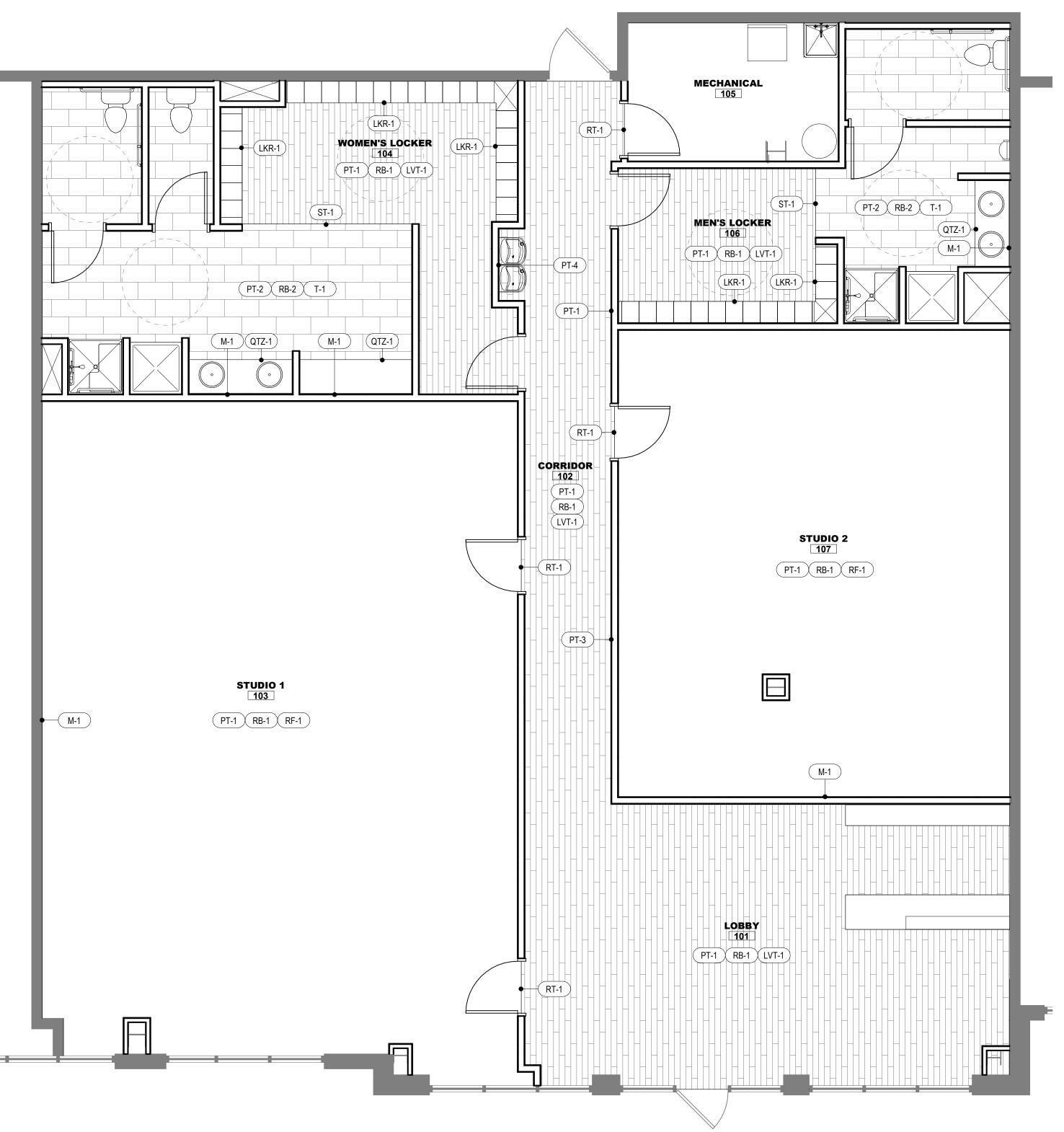
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> **RESTROOM PLANS**

Sheet Title





GENERAL FINISH NOTES

- 1. REFER TO ADDITIONAL NOTES AND REQUIREMENTS ON ALL OTHER DOCUMENTS AND OTHER DISCIPLINES DOCUMENTS.
- 2. OWNER TO APPROVE ALL FINAL MATERIAL SELECTIONS/COLORS BEFORE BIDDING, ORDERING, FABRICATION AND/OR INSTALLATION.
- 3. ALL GYPSUM BOARD SURFACES TO BE SMOOTH FINISH UNLESS OTHERWISE NOTED, PROPERLY FASTENED TO ELIMINATE "NAIL POPPING", TAPED, MUDDED AND SANDED, READY FOR FINISH. PROVIDE MOISTURE RESISTANT DRYWALL AT ALL WET WALL LOCATIONS AND ENTIRE REST ROOM.
- 4. ALL PAINT FINISH SHALL BE PRIMED FOLLOWED BY 2 COATS OF HIGH QUALITY FINISH PAINT. GYPSUM BOARD WALLS SHALL BE MIN. EGGSHELL LATEX PAINT (UNLESS NOTED OTHERWISE), GYPSUM BOARD CEILINGS SHALL BE EPOXY
- PAINT, INTERIOR METALS SHALL BE EPOXY PAINT.

 a. ALL RESTROOMS AND WET WALLS SHALL BE PAINTED WITH EPOXY PAINT.

 b. ALL INTERIOR PAINTS USED TO BE LOW V.O.C. UNLESS NOTED OTHERWISE.

 c. IF SMOOTH SURFACE, MATERIAL SHOULD BE SANDED BETWEEN ALL COATS.

ALL STEEL DOORS & METAL FRAMES SHALL BE SPRAY APPLIED PAINT.

- 5. PRIMER ONLY BEHIND WALL MIRRORS.
- APPROPRIATE LOW PROFILE VINYL TRANSITION STRIP SHALL BE USED BETWEEN DISSIMILAR FLOORING MATERIALS.
- FRP PANELS AROUND MOP SINK TO 12" ABOVE FAUCET & 12" BEYOND SINK BASIN.
- 8. CAULKS OR SEALANTS USED TO MATCH ADJACENT MATERIAL COLOR, REVEAL COLORS OR GROUT COLORS.
- 9. CONTRACTOR TO INSTALL COAT HOOKS ON BACKS OF ALL RESTROOM DOORS. VERIFY WITH TENANT PRIOR TO CONSTRUCTION ORDER AND INSTALLATION.
- CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL OF ALL INTERIOR FINISH MATERIALS INCLUDING BUT NOT LIMITED TO PAINT DRAW DOWNS, PLASTIC LAMINATES, MILLWORK FINISHES, CARPET, ETC.

MATERIAL LEGEND

WALLS

- PT-1 FIELD PAINT; SHERWIN WILLIAMS DURATION SERIES- 7015 REPOSED GRAY; EGG SHELL FINISH

 PT-2 EPOXY PAINT; SHERWIN WILLIAMS PRO INDUSTRIAL CATALYZED EPOXY SERIES-
- 7015 REPOSED GRAY

 PT-3

 ACCENT PAINT; SHERWIN WILLIAMS DURATION SERIES- 6258 TRICORN BLACK; EGG SHELL FINISH
- PT-4 ACCENT PAINT; SHERWIN WILLIAMS DURATIONS SERIES- 6887 NAVEL; EGG
- SHELL FINISH
- RB-1 4" VINYL COVE BASE; VPI- BLACK
 RB-2 6" VINYL COVE BASE; VPI- BLACK

FLOORS

- (LVT-1) FIELD LUXURY VINYL TILE; J&J FLOORING: ALLOY- V5008, COLOR- MELTING 1054; INSTALL PATTERN: 1/3 DROP
- (RF-1) 6'-0"W x 60'-0"L x 0.08" THICK RESILIENT FLOORING; LONSEAL: LONWOOD NATURAL TOPSEAL, COLOR- SINGING BIRDS W7467
- T-1 12" X 24" TILE; INTERCERAMIC: CONCRETE, COLOR- DARK GRAY; INSTALL
- PATTERN: ASHLAR; MAPEI GROUT: ULTRA COLOR, COLOR- CHARCOAL 47

MILLWORK

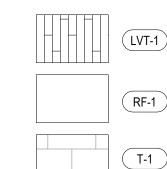
- MW-1 MILLWORK; BLACK COMPOSITE BOARD; COLOR TO MATCH PL-1; VERIFY W/ OWNER
- MW-2 MILLWORK; PLYWOOD COVERED IN OWNER PROVIDED WOOD FLOORING
- PL-1 PLASTIC LAMINATE; FORMICA- BLACK 909-58
- QTZ-1 30 MM QUARTZ COUNTER; COLORQUARTZ: OYSTER SHELL CQ808; FINISH-POLISHED; EDGE DETAIL- EASED

MISC.

DOORS POLYURETHANE STAIN; MATCH GRAHAM CLEAR #100; FINISH- SATIN

- FRAMES EPOXY PAINT; SHERWIN WILLIAMS PRO INDUSTRIAL CATALYZED EPOXY SERIES-6993 BLACK OF NIGHT; FINISH- SEMI-GLOSS
- LKR-1 LOCKER; MFR: LEGACY LOCKERS; FINISH: PLASTIC LAMINATE; COLOR: WILSONART-SATIN STAINLESS; 4830K-18 WITH STANDARD WHITE MELAMINE INTERIORS AND FLAME NUMBER DETAILS
- MIRROR WALL PANEL; IMPACT RESISTANT AND SHATTER PROOF; TEMPERED OR SAFETY LAMINATE; PRIMER ONLY BEHIND MIRROR WALL PANEL
- SCHLUTER TRIM; SCHLENE- SATIN ANODIZED ALUMINUM AE; INSTALLED TILE TO LVT
- RT-1 RUBBER TRANSITION; JOHNSONITE: SLT-A SLIMLINE TRANSSTION- BACK 40;
- INSTALLED RESILIENT TO LVT
- VF-1 VINYL FILM; FROSTED FILM FLAME LOGO & LETTERING CUT OUT; COORDINATE W/ TENANT

FLOORING LEGEND



OS/2

SIMONIA

ISON & associates archi
ersoll avenue suite 117 des moit

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2021-04-29

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Date 04/29/2021

.# Issue / Revision
PERMIT PLANS

Proj. No. SAA Proj. Mgr.

21050 SP

Sheet Title

INTERIOR FINISHES

eet No.



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW

Simon:

MICHAEL WAYNE SIMONSON No. A008138

2021-04-29

940 NW PRYC LEE'S SUMMIT, I POWER

Proj. No. SAA Proj. Mgr. 21050 Sheet Title INTERIOR

ELEVATIONS

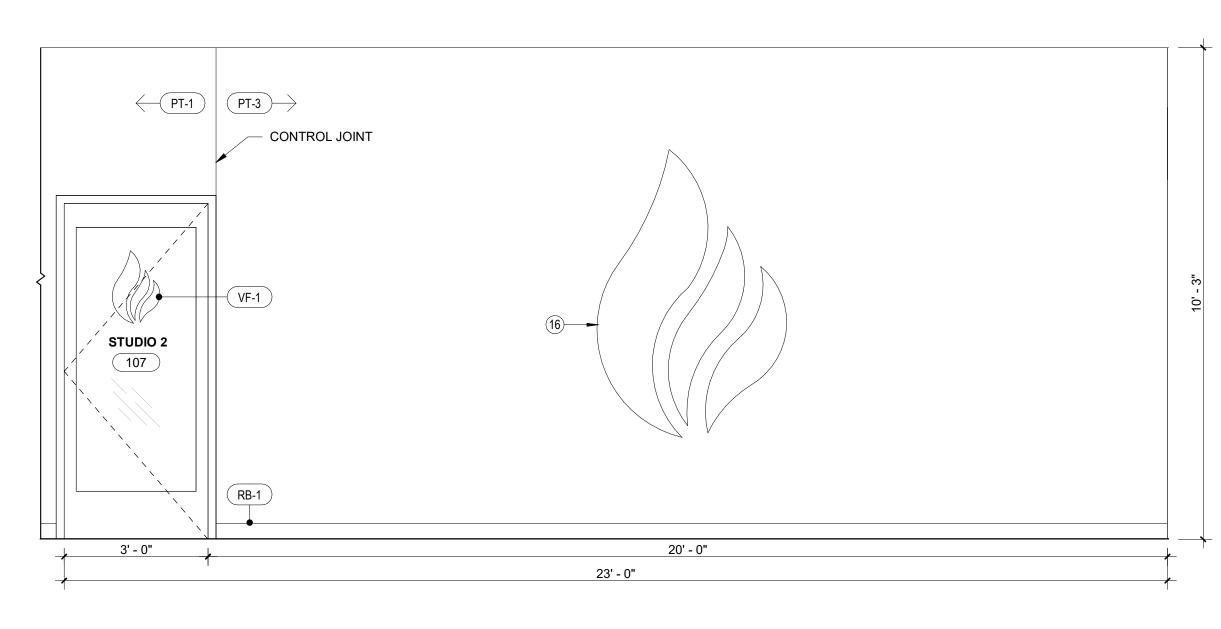
A-711

Sheet No.

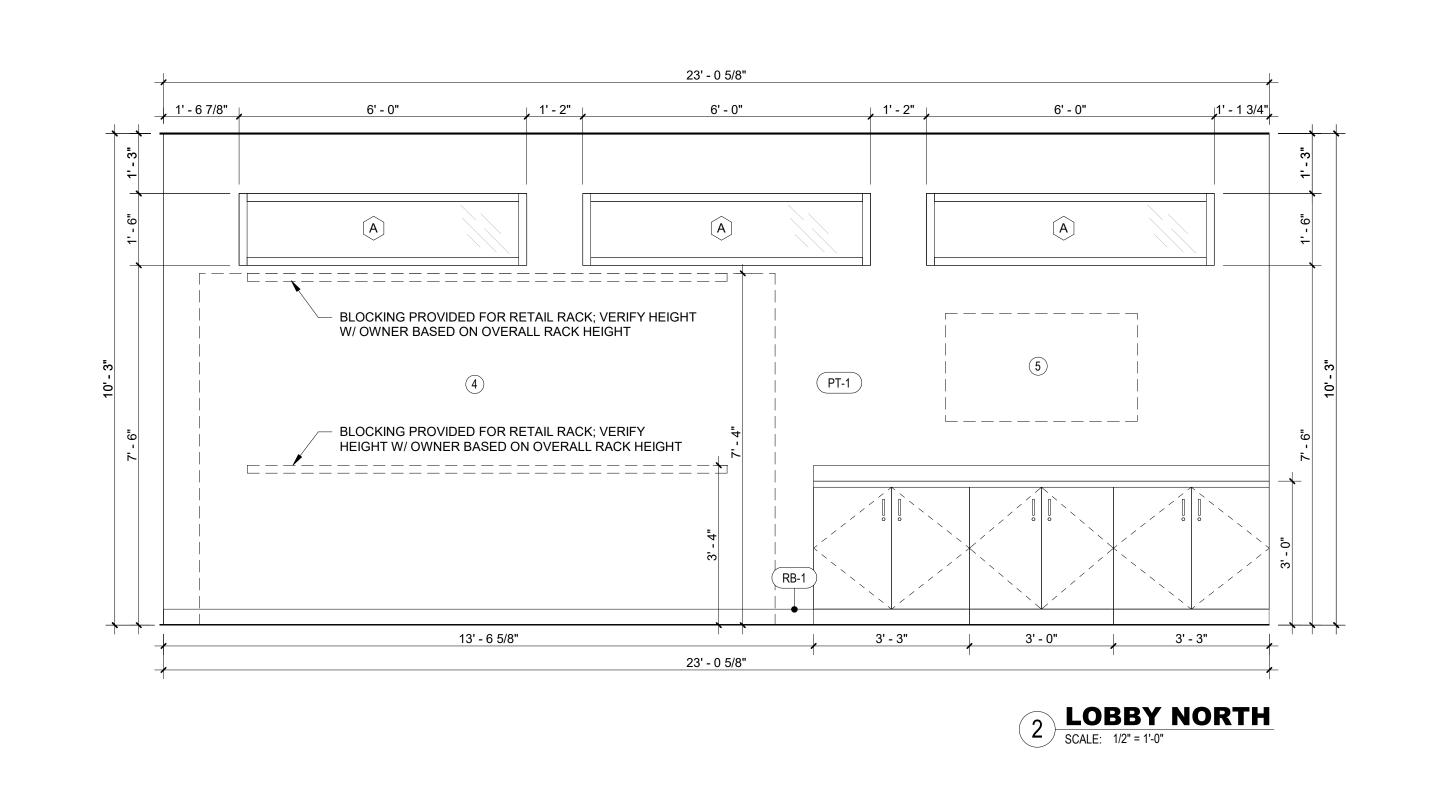
Proj. No. SAA Proj. Mgr. Sheet Title

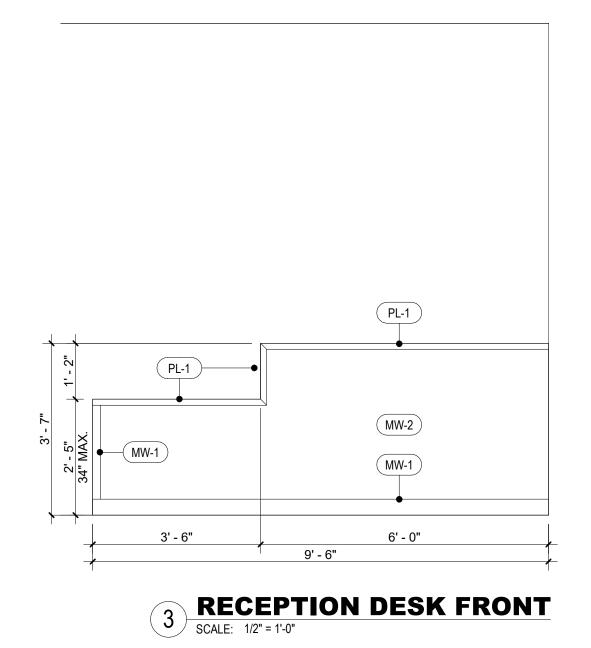
INTERIOR **ELEVATIONS**

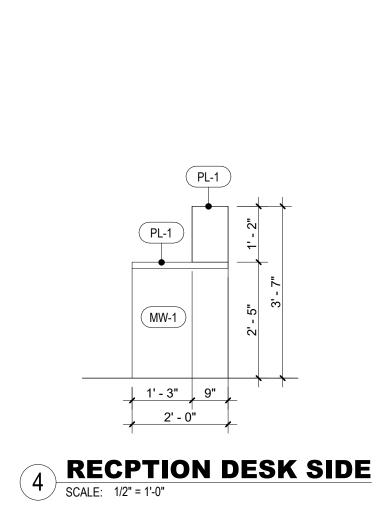
A-712

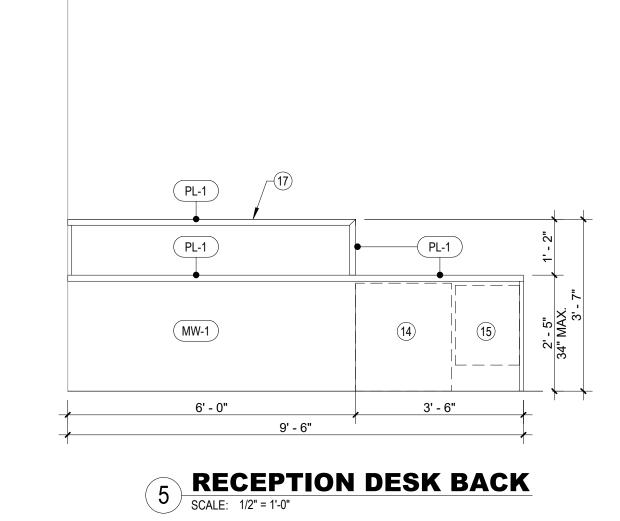


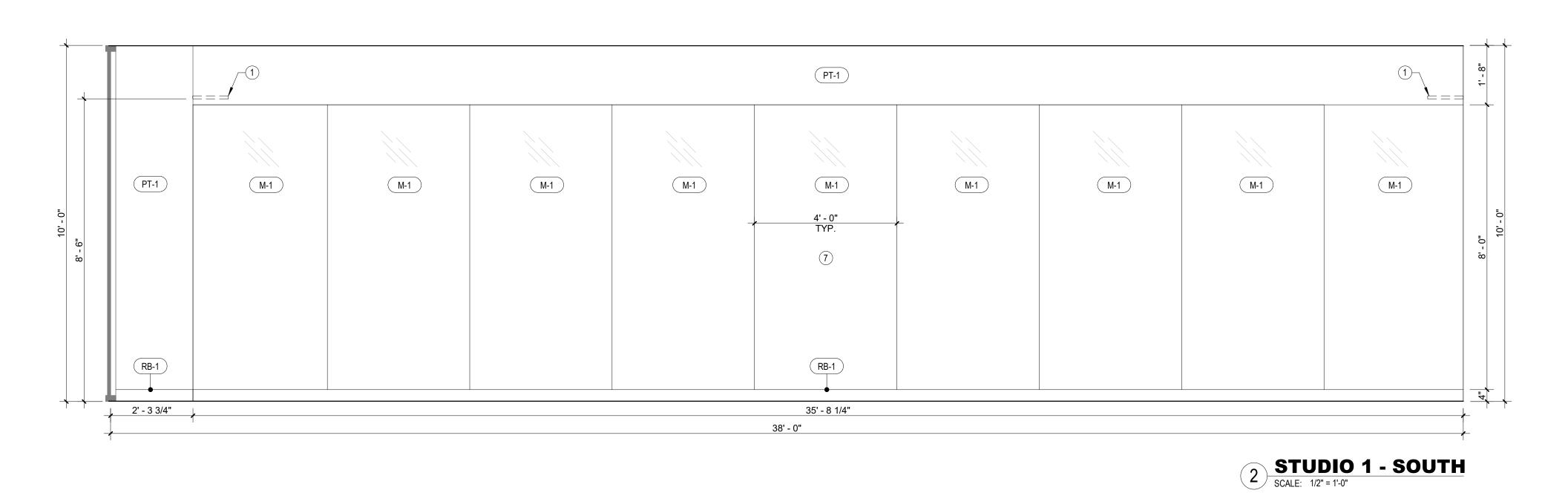
1 POWER LIFE BRANDING SCALE: 1/2" = 1'-0"



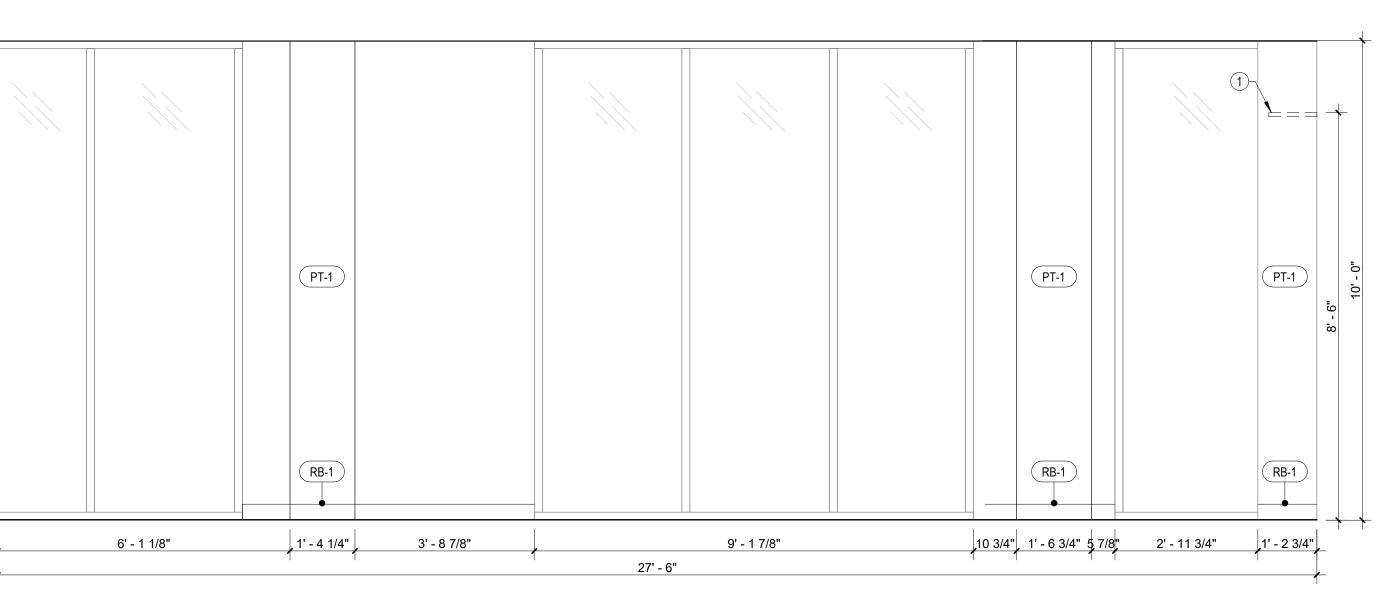








PT-6*



3 STUDIO 1 - WEST SCALE: 1/2" = 1'-0"

4 STUDIO 1 - EAST SCALE: 1/2" = 1'-0"

> POWER LIFE 940 NW PRYOR RD LEE'S SUMMIT, MO 64081

Proj. No. SAA Proj. Mgr.

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Sheet Title

INTERIOR
ELEVATIONS

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POWER LIFE 940 NW PRYOR RI LEE'S SUMMIT, MO 64

Proj. No. SAA Proj. Mgr.

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Sheet Title
INTERIOR
ELEVATIONS &

DETAILS
Sheet No.

POWER LIFE YOGA

940 NW PRYOR RD LEE'S SUMMIT, MO 6408

THE WALDINGER CORPORATION

CONSTRUCTION
AS NOTED ON PLANS REVIEW

6200 SCOUT TRAIL DES MOINES, IA 50321

INDEX

	SHEET LIST
Sheet Number	Sheet Name
M000	COVERSHEET
M001	MECHANICAL SCHEDULES & DETAILS
M101	HVAC PLAN - LEVEL 1
P100	UNDERGROUND PLUMBING PLAN - LEVEL 1
P101	PLUMBING PLAN - LEVEL 1

Design Engineer CDH Detailer AJG CAD Tech

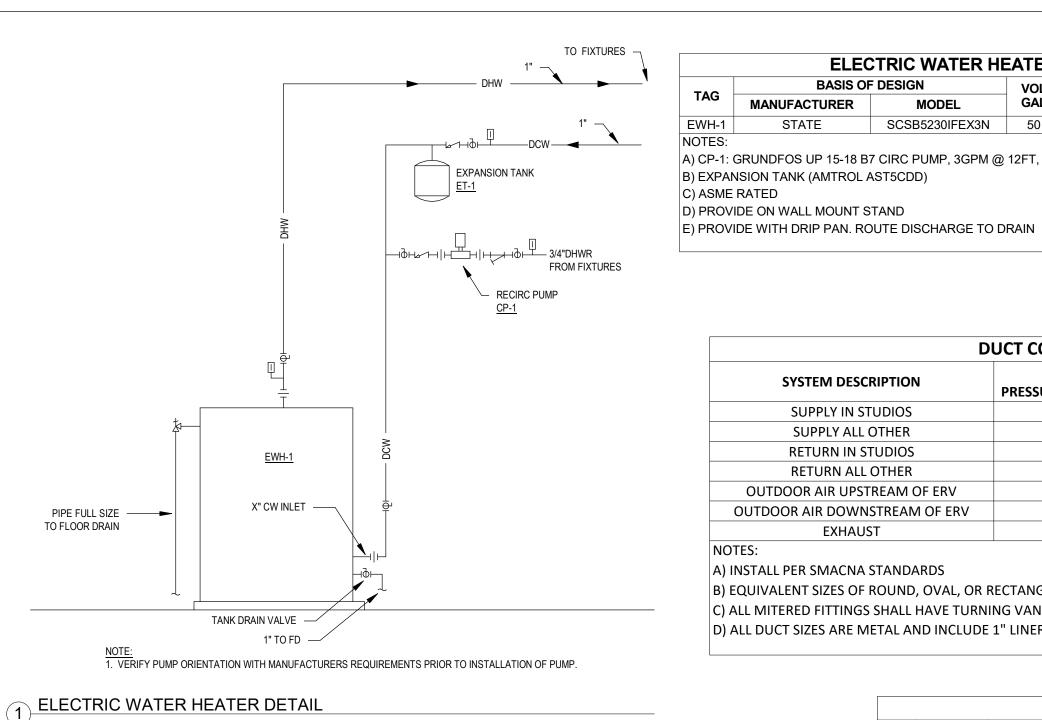


POWER LIFE YOGA 940 NW PRYOR RD LEE'S SUMMIT, MO 6408

COVERSHEET

M000

ENGINEER SEAL IF THIS SHEET MEASURES LESS THAN 24"x36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY.



NG NATURAL GAS

MPG 7 MEDIUM PRESSURE GAS

RO 7 REVERSE OSMOSIS

DI DEIONIZED WATER

₹ MV → MEDICAL VACUUM

CO2 CARBON DIOXIDE

NO2 NITROUS OXIDE

₹ N2 } NITROGEN

O2 7 OXYGEN

₹ MA → MEDICAL AIR

CA COMPRESSED AIR

PLUMBING SYMBOLS

DCW 3 DOMESTIC COLD WATER

NPW 7 NON-POTABLE WATER

DHW 3 DOMESTIC HOT WATER

ST 3 STORM DRAIN

OF 3 STORM OVERFLOW SPD 3 SUMP PUMP DISCHARGE

SAN SANITARY WASTE

V 3 SANITARY VENT

GV 7 GREASE VENT

CD 3 CONDENSATE DRAIN

AW 3 ACID WASTE

AV 3 ACID VENT

G.SAN GREASE SANITARY WASTE

140 HW 7 140°F DOMESTIC HOT WATER

DHWR 3 DOMESTIC HOT WATER RECIRC

	ELEC	CTRIC WATER H	EATER	SCHE	DULE		
	BASIS OI	FDESIGN	VOL	HEA	TING	ELEC.	DEMARKO
	MANUFACTURER	MODEL	GAL	kW	GPH	V/PH	REMARKS
1	STATE	SCSB5230IFEX3N	50	30		208/3	A,B,C,D,E
; ;					•		
1: (GRUNDFOS UP 15-18 B	7 CIRC PUMP, 3GPM @	12FT. 120	/1 V/PH			
	ISION TANK (AMTROL A		,				
~\I	OON TAIN (AWITTOL)	10100DD)					

TAG	DESCRIPTION	BASIS OF DES	IGN	NECK	MODULE	COLOR	REMARKS	
IAG	DESCRIPTION	MANUFACTURER	MODEL	SIZE	SIZE	COLOR	KEWIAKKS	
SD-1	SLOT DIFFUSER	NAILOR	5715I	SEE PLANS	24"Lx2-SLOTx1.5"	BLACK	A,B	
CD-1	CEILING DIFFUSER	NAILOR	6500	SEE PLANS	24"x24"	BLACK	A,B	
RG-1	RETURN GRILLE	NAILOR	4360	-	24"x24"	BLACK	A,B	
RG-2	RETURN GRILLE	NAILOR	6145H	SEE PLANS	SEE PLANS	BLACK	A,B	
EG-1	EXHAUST GRILLE	NAILOR	4360	SEE PLANS	24X24	BLACK	A,B	
NOTES:								
A) REFER TO ARCHITECTURAL DRAWINGS FOR BORDER TYPES.								
B) REFER TO MECH DRAWINGS FOR LOCATION, AIR QUANTITIES, AND NECK SIZES								

	AIR TO AIR HEAT RECOVERY SCHEDULE										
TAG	SERVES	BASIS OF DE	SIGN		OUTSIDE AIR			EXH AIR		ELEC	DEMARKS
IAG	SERVES	MANUFACTURER	MODEL	CFM	EAT	LAT	CFM	EAT	%	V/PH	REMARKS
ERV-1	STUDIO 1	RENEWAIR	HE-1XJINH	950	2/0.7 95.8/76.8	66.9/57.6 98.6/78.9	950	100/78.8 100/83.1	57.6 31.6	120/1	A,B
ERV-2	STUDIO 2	RENEWAIR	HE-1XJINH	550	2/0.7 95.8/76.8	74.9/63.6 98.9/79.8	550	100/78.8 100/83.1	67.7 46.6	120/1	A,B
ERV-3	LOBBY	RENEWAIR	HE-1XJINH	500	2/0.7 95.8/76.8	53.4/43.8 80.1/69	500	75/62.4 70/54.1	73.9 58.0	120/1	A,B

LICVO	LOBBI	TALIAL VV/ (III	112 17(0)(4)1
NOTES:			
A) ECM	MOTORS		
В) МОТ	ORIZED OA I	DAMPERS	

DUCT CONSTRUCTION SCHEDULE						
CVCTEM DECORIDATION	DUCT CON	NSTRUCTION	INSULA	INSULATION		
SYSTEM DESCRIPTION	PRESSURE CLASS	MATERIAL	LINER/WRAP	THICKNESS	REMARKS	
SUPPLY IN STUDIOS	2"	GALVANIZED	FRK WRAP	1"	A,B,C,D	
SUPPLY ALL OTHER	2"	GALVANIZED	N/A	N/A	A,B,C,D	
RETURN IN STUDIOS	2"	GALVANIZED	FRK WRAP	1"	A,B,C,D	
RETURN ALL OTHER	2"	GALVANIZED	N/A	N/A	A,B,C,D	
OUTDOOR AIR UPSTREAM OF ERV	2"	GALVANIZED	FRK WRAP	2"	A,B,C,D	
OUTDOOR AIR DOWNSTREAM OF ERV	2"	GALVANIZED	FRK WRAP	1"	A,B,C,D	
EXHAUST	2"	GALVANIZED	N/A	N/A	A,B,C,D	

C) DRAIN TEMPERING KIT

C) FAN RELAY

B) EQUIVALENT SIZES OF ROUND, OVAL, OR RECTANGULAR DUCT MAY BE USED WHERE NOT EXPOSED C) ALL MITERED FITTINGS SHALL HAVE TURNING VANES, UNLESS LONG RADIUS FITTINGS ARE USED D) ALL DUCT SIZES ARE METAL AND INCLUDE 1" LINER IF APPLICABLE

	STEAM HUMIDIFIER SCHEDULE								
TAC	OEDVEC	BASIS OF D		DEMARKO					
TAG	SERVES	MANUFACTURER	MODEL	LBS/HR	KW	MCA/MOP	V/PH	REMARKS	
HU-1	STUDIO 1	CONDAIR	EL-030/208/3	30	7.5	20.8/25	208/3	A,C	
HU-2	STUDIO 2	CONDAIR	EL-020/208/3	20	11.2	31.1/40	208/3	B,C	
NOTES	3:				•				
A) STE	AM DISTRIB	SUTER FOR 20x12 DU	CT, 1600 CFM, E	AT = 100°F &	30% R	Н			
B) STE	AM DISTRIB	SUTER FOR 12x12 DU	CT, 800 CFM, EA	T = 100°F & 3	0% RH				

	ELECTRIC DUCT HEATER SCHEDULE									
TAG	BASIS OF DESIGN DUCT		CFM	EAT	LAT	ELEC		REMARKS		
IAG	SERVES	MANUFACTURER	MODEL	SIZE	CFIVI	LAI	LAI	KW	V/PH	KEWAKKS
EDH-1	STUDIO 1	INDEECO	QUA	20x12	1600	65	94	15	208/3	A,B,C
EDH-2	STUDIO 2	INDEECO	QUA	12x12	800	65	96	8	208/3	A,B,C
NOTES:			•				•	•		
A) NON-	FUSED DISCO	NNECT								
B) SCR (CONTROL W/	0-10 VDC INPUT SIGN	AL							

		PIPING APPLICATION SCH	_	INSULATION		
SYSTEM DESCRIPTION	SIZE	MATERIAL	JOINTS	TYPE	THICKNESS	REMARKS
DOMESTIC COLD WATER - BELOW GROUND	ALL	COPPER (TYPE K) PVC (AWWA C900) DUCTILE IRON (AWWA C151)	SOLDER SOLVENT?? MECHANICAL JOINT	NONE	-	-
DOMESTIC COLD WATER - ABOVE GROUND	ALL	COPPER (TYPE L) PEX-A	SOLDER MECHANICAL PRESS EXPANSION	FIBERGLASS	1/2"	D
DOMESTIC HOT WATER - ABOVE GROUND	1/2" - 1-1/4"	COPPER (TYPE L) PEX-A	SOLDER MECHANICAL PRESS EXPANSION	FIBERGLASS	1"	D
DOMESTIC HOT WATER - ABOVE GROUND	1-1/2" - 3"	COPPER (TYPE L) PEX-A	SOLDER MECHANICAL PRESS EXPANSION	FIBERGLASS	1-1/2"	D
WASTE / VENT - BELOW GROUND	ALL	PVC (DWV) CAST IRON COPPER (DWV)	SOLVENT NO HUB PUSH ON SOLDER	NONE	-	-
WASTE / VENT - ABOVE GROUND (PIPING IN RA PLENUM)	ALL	PVC (DWV) CAST IRON COPPER (DWV)	SOLVENT NO HUB SOLDER	CAST - NONE PVC - FYREWRAP	1/2"	В
WASTE / VENT - ABOVE GROUND (PIPING NOT IN PLENUM)	ALL	PVC (DWV) CAST IRON COPPER (DWV)	SOLVENT NO HUB SOLDER	FIBERGLASS (SEE REMARKS)	1"	В
STORM - BELOW GROUND	ALL	PVC (DWV) CAST IRON	SOLVENT NO HUB PUSH ON	NONE	-	-
STORM - ABOVE GROUND (PIPING IN RA PLENUM)	ALL	PVC (DWV) CAST IRON COPPER (DWV)	SOLVENT NO HUB SOLDER	CAST - NONE PVC - FYREWRAP	1/2"	В
STORM - ABOVE GROUND (PIPING NOT IN PLENUM)	ALL	PVC (DWV) CAST IRON COPPER (DWV)	SOLVENT NO HUB SOLDER	FIBERGLASS (SEE REMARKS)	1"	Α
NATURAL GAS	ALL	BLACK STEEL (SCH. 40)	THREADED WELDED	-	-	С
A/C CONDENSATE	ALL	PVC (DWV) COPPER (DWV)	SOLVENT SOLDER	COPPER -ARMAFLEX FOAM	1/2"	-
REFRIGERATION	ALL	ACR COPPER	SILFOS JOINTS	ARMAFLEX FOAM	1/2"	-

A) INSULATE STORM DRAIN BODIES AND ALL INTERIOR HORIZONTAL PIPING.

- B) INSULATE WITHIN 10'-0" OF ROOF PENETRATION
- C) GAS PIPING THAT IS LOCATED IN A RETURN AIR PLENUM OR CONCEALED SPACE MUST BE WELDED.
- D) INSTALL AND SUPPORT PEX PIPING PER MANUFACTURER'S RECOMMENDATIONS FOR PLENUM-RATED APPLICATIONS.

IVAC S	YMBOLS		
	DIFFUSER (SUPPLY)	24"x12"	TYPICAL RECTANGULAR DUCT - SIZE AS INDICATED (WIDTH / DEPTH) SIZE INDICATES SHEETMETAL SIZE
	GRILLE (RETURN) GRILLE (RETURN WITH NECK)	12"Ø	TYPICAL ROUND DUCT - SIZE AS INDICATED (DIAMETER) SIZE INDICATES SHEETMETAL SIZE
	GRILLE (EXHAUST)	EA	EXHAUST
	GRILLE (EXHAUST WITH NECK)	ESS	EXHAUST AIR STAINLESS
	WALL REGISTER	FA	FRESH AIR
	SLOT DIFFUSER	KE	KITCHEN EXHAUST
	SUPPLY ARROW RETURN ARROW	RA	RETURN AIR
D-1	EXHAUST ARROW RECTANGULAR DIFFUSER INDICATION	SA	SUPPLY AIR - LOW /MEDIUM PRESSURE
200 CFM D-1	SHOWING CFM ROUND DIFFUSER INDICATION	PG	PAINT GRIP
200 CFM G-1 12"x12" — ►	SHOWING CFM RECTANGULAR GRILLE INDICATION SHOWING CFM	А	ALUMINUM
R-1 12"x12" —	RECTANGULAR REGISTER INDICATION SHOWING CFM	RI	RELIEF AIR
200 CFM	FIRE DAMPER	Т	TRANSFER DUCT
S 	SMOKE DAMPER	PVC	PVC COATED
10 🔻	FIRE/SMOKE DAMPER		TRANSFER DUCT
	BACKDRAFT DAMPER PRESSURE REDUCING DAMPER		TRANSFER DUCT
	MOTORIZED DAMPER		SINGLE LINE FLEX DUCT
VD	VOLUME DAMPER	AFMS	AIRFLOW MEASUREMENT STATION
	VOLUME DAMPER	DP SP	DIFFERENTIAL PRESSURE SENSOR (DUCT MOUNTED) STATIC PRESSURE SENSOR
O / O	THERMOSTAT - WALL/CEILING MOUNTED	•	(DUCT MOUNTED) SECURITY BAR
	CARBON MONOXIDE SENSOR - WALL/CEILING	$lackbox{}{lackbox{}{\Phi}}$	NEW TO EXISTING CONNECTION POINT
	MOUNTED CARBON DIOXIDE SENSOR - WALL/CEILING MOUNTED		
\circ / \circ	HUMIDISTAT - WALL/CEILING MOUNTED		
O / O	TEMPERATURE SENSOR - WALL/CEILING MOUNTED		
	NITROGEN DIOXIDE SENSOR - WALL/CEILING MOUNTED		
\mathbb{P} / \mathbb{P} 1	PRESSURE SENSOR - WALL/CEILING MOUNTED		

VALVES A	AND FITTINGS
	DOWNSPOUT NOZZLE
	WALL HYDRANT
×	HOSE BIB
	ALIGNMENT GUIDE
	PIPE ANCHOR
	EXPANSION JOINT
─ ₩	VALVE (GENERIC)
—нФі—	BALL VALVE
— —Г——	BUTTERFLY VAVLE
── ₹—	GATE VALVE
—₩—	GLOBE VALVE
	BALANCING VALVE
	CHECK VALVE
— ₹	PLUG VALVE
	SOLENOID VALVE
—₽	AUTOMATIC CONTROL VALVE 2-WAY
———— — ———————————————————————————————	AUTOMATIC CONTROL VALVE 3-WAY
≱——	ANGLE VALVE
±— ———————————————————————————————————	RELIEF VAVLE PRESSURE REDUCING VALVE (WATER SYSTEMS) PRESSURE REDUCING VALVE (GAS SYSTEMS) MANUAL AIR VENT
<u> </u>	AUTOMATIC AIR VENT
	STRAINER
<i>→</i>	UNION
<u> </u>	PRESSURE GAUGE
	THERMOMETER
<u>(P)</u> 	PRESSURE AND TEMPERATURE TEST PORT AQUASTAT
—⊠—	FLOW MEASURING DEVICE
——⊗——	STEAM TRAP
	EXPANSION LOOP
—	PUMP (GENERIC)
46MM6H	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
	NEW TO EXISTING CONNECTION POINT

TAG	MANUFACTURER	MODEL	DESCRIPTION	PLU	JMBING RC	UGH-IN			ELECTRIC DNNECTIO		REMARKS
				DRAIN	VENT	DCW	DHW	VOLTS	PHASE	AMPS	
EWC-1	ELKAY	EEZWSEDPFP217K	ELECTRIC WATER COOLER (BI-LEVEL W/ BOTTLE FILLER) - WALL MOUNT, STAINLESS STEEL BOWL AND LOWER APRON, DUAL HEIGHT, ADA COMPLIANT, BOTTLE FILLER, 8GPH.	1-1/2"	2"	1/2"	-	120	1	1	PROVIDE WITH EDPF217WS FOUNTAIN, MFWS200 MOUNTING FRAME, EACCESS12X385 LOWER ACCESS PANEL KIT, E97258C CANE APRON, P-TRAP, STOPS AND SUPPLIES
FCO	MIFAB	MC1104R1	FLOOR CLEANOUT - ADJ ROUND NB TOP - 3" NO HUB	4"	-	-	-	-	-	-	-
wco	MIFAB	MC1452RD6	LINE CLEANOUT W/ ROUND SS ACCESS COVER - 2" NO HUB	2"				-	-	-	-
FD-1	MIFAB	MF1322CY14457	FLOOR DRAIN - 9" DUCTILE IRON TOP, CAST IRON BODY, SEDIMENT BUCKET, NON-TILT GRATE.	2"	2"	-	-	-	-	-	1/2" TRAP SEAL PRIMER CONNECTION
	AMERICAN STANDARD	A0495221020	0495.221 WHITE UNDERMOUNT SINK								PROFLO PFGD100 GRID DRAIN PROFLO PFPTB100 P-TRAP
L-1	DELTA	501LF	FAUCET - SINGLE HANDLE LEVER, 4" HOLE SPACING, CHROME FINISH, AERATOR, 0.5 GPM.	2"	1-1/2"	1/2"	1/2"	-	-	-	PROVIDE WITH ASSE 1070 CERTIFIED MIXING VALVE.
MS-1	FIAT	MSBID2424	MOP SINK - 24" x 24" BASIN, 10" DEPTH, MOLDED STONE, STAINLESS STEEL DRAIN WITH DOME STRAINER AND LINT BASKET.	3"	2"	3/4"	3/4"	-	-	-	PROVIDE WITH MOP HANGER, HOSE & BRACKET, SS WALL GUARD, SS CORNER GUARD.
WC-1	AMERICAN STANDARD	A2467016020	WATER CLOSET (WALL HUNG) - WHITE, VITREOUS CHINA, ELONGATED BOWL, 1.6 GPF, 1-1/2" TOP SPUD	4.00	2.00	1.00	-	-	-	-	PROVIDE WITH PROFLO PFTSCOF2000WH WHITE SEAT, CLOSET BOLTS AND BOWL WAX.
WC-2	AMERICAN STANDARD	A2467016020	WATER CLOSET (WALL HUNG, ADA HEIGHT) - WHITE, VITREOUS CHINA, ELONGATED BOWL, 1.6 GPF, 1-1/2" TOP SPUD	4.00	2.00	1.00	-	-	-	-	PROVIDE WITH PROFLO PFTSCOF2000WH WHITE SEAT, CLOSET BOLTS AND BOWL WAX.
SH-1	AQUATIC	A1363BFSCLWH	SHOWER - 38" x 38" x 77", WHITE, SMOOTH WALL FINISH, 1/2" THRESHHOLD, CENTER DRAIN.	2"	2"	1/2"	1/2"	-	_	-	PROVIDE WITH PROFLO PF140NC SHOWER DRAIN. PROVIDE WITH AMERICAN STANDARD ARU101SS
	AMERICAN STANDARD	ATU662221002	TRIM - SHOWER HANDLE ONLY. TRIM - HAND SHOWER WITH GRAB BAR.								SHOWER VALVE.
SH-2	AQUATIC	A1363BFSCLWH	ADA SHOWER - 38" x 38" x 77", WHITE, SMOOTH WALL FINISH, 1/2" THRESHHOLD, GRAB BARS, FOLD-UP SEAT, CENTER DRAIN.	2"	2"	1/2"	1/2"	-	-	-	PROVIDE WITH PROFLO PF140NC SHOWER DRAIN. PROVIDE WITH AMERICAN STANDARD ARU101SS
	AMERICAN STANDARD	ATU662221002	TRIM - SHOWER HANDLE ONLY. TRIM - HAND SHOWER WITH GRAB BAR.								SHOWER VALVE.
UR-1	AMERICAN STANDARD	A6561017020	URINAL - WHITE, WASHDOWN FLUSH, SPLASH PROTECTION, 1.0 GPF, 3/4" SPUD, 2" OUTLET.	2"	2"	3/4"	-	-	-	-	
	AMERICAN STANDARD	A6045101002	[FLUSH VALVE - MANUAL, 3/4", 1.0 GPF.]								
WB-1	OATEY	O38101	WASHING MACHINE OUTLET BOX - PVC, RECESSED, 2" CENTER DRAIN, 1/2" MIP WATER CONNECTIONS WITH 1/4 TURN VALVES.	2"	2"	1/2"	1/2"	-	-	-	-

Design Engineer CDH Detailer AJG CAD Tech POWER LIFE YOGA 940 NW PRYOR RD LEE'S SUMMIT, MO 6408 MECHANICAL SCHEDULES & **DETAILS** _Sheet Title_ M001 IF THIS SHEET MEASURES LESS THAN 24"x36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY.

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW LEE'S SUMMIT, MISSOURI 05/25/2021

THE WALDINGER CORPORATION 6200 SCOUT TRAIL DES MOINES, IA 50321

__Owner__

 Rev.
 Date

 1
 05/14/2021
 PERMIT SET

1 HVAC PLAN - LEVEL 1 1/4" = 1'-0"

HVAC KEYED NOTES:

- CONNECT TO EXISTING 28"x10"FA DUCT.
 CONNECT TO EXISTING 28"x10"FA DUCT.
- 3. HUMIDIFIER TO BE LOCATED ABOVE CEILING. MOUNT AS HIGH AS POSSIBLE.
- 4. AIR HANDLING UNITS ARE PROVIDED AND INSTALLED BY
- OTHERS.

 5. LOCATE RETURN GRILLES AS CLOSE TO FLOOR AS POSSIBLE, MAX OF 1'-0" AFF.

THE WALDINGER CORPORATION

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW

LEE'S SUMMIT, MISSOURI

05/25/2021

515-284-1911

6200 SCOUT TRAIL DES MOINES, IA 50321

__Keyplan_

__Owner__

HVAC GENERAL NOTES:

- 1. FABRICATE AND INSTALL ALL DUCT ACCORDING TO THE CURRENT SMACNA STANDARDS FOR THE APPROPRIATE PRESSURE CLASS.
- USE RADIUS ELBOWS WHERE SPACE ALLOWS.
 OTHERWISE USE MITERED ELBOWS WITH TURNING
- VANES FOR LOW PRESSURE DUCT. 3. INSTALL MANUAL VOLUME DAMPERS AT ALL BRANCH TAKEOFFS TO DIFFUSERS/GRILLES.
- 4. MEDIUM VELOCITY BRANCH TAPS TO TERMINAL UNITS SHALL BE CONICAL OR EQUAL

 5. LIMIT FLEXIBLE DUCT RUNOUTS TO DIFFUSERS TO 5 FEET
- IN LENGTH.
- 6. LIMIT FLEXIBLE DUCT CONNECTIONS TO TERMINAL UNITS TO 3 FEET IN LENGTH.
- 7. IF CEILINGS ARE INACESSIBLE, LOCATE BALANCING DAMPERS AT THE GRILLE/REGISTER.

 8. INSTALL ALL FIRE, SMOKE & COMBINATION FIRE/SMOKE
- DAMPERS PER U.L. APPROVED MANUFACTURERS INSTALLATION INSTRUCTIONS. 9. PROVIDE FLEXIBLE/CANVAS CONNECTORS AT ALL AIR
- MOVING EQUIPMENT CONNECTIONS, UNLESS EQUIPMENT IS INTERNALLY ISOLATED. 10. ALL DUCT SIZES ARE METAL DIMENSIONS.
- 11. USE 45 DEGREE ENTRY FITTINGS FOR ALL BRANCH DUCT TAKEOFFS. 12. INSTALL ALL EQUIPMENT PER MANUFACTURER
- RECOMMENDATIONS. MAINTAIN SERVICE AND CONDENSER AIR FLOW CLEARANCES AS SHOWN ON THE MANUFACTURERS INSTALLATION DRAWINGS.
- 13. ALL NEW RECTANGULAR SUPPLY AIR DUCTWORK IS SHOWN AT METAL SIZE PROVIDE WITH 1"LINER.

 Rev.
 Date

 1
 05/14/2021
 PERMIT SET

Design Engineer CDH Detailer AJG CAD Tech



58613SDC

POWER LIFE YOGA 940 NW PRYOR RD LEE'S SUMMIT, MO 6408

Sheet Title

HVAC PLAN - LEVEL 1

TRUE N NORTH

M101

Sheet Title

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PLUMBING KEYED NOTES:

. 1/2"DCW, 1/2"DHW, 2"SAN & 2"V TO FIXTURE. 3/4"DCW, 3/4"DWH, 2"SAN & 2"V TO FIXTURE.

3. 3/4"DCW, 4"SAN & 2"V TO FIXTURE.
 4. 1/2"DCW, 2"SAN & 2"V TO FIXTURE.
 5. CONNECT TO EXISTING VENT PIPING IN THIS AREA.

THE WALDINGER CORPORATION

www.waldinger.com 515-284-1911

6200 SCOUT TRAIL DES MOINES, IA 50321

Keyplan

PLUMBING GENERAL NOTES:

- INSTALL CLEANOUTS IN UNDERGROUND SANITARY AND STORM PIPING AT APPROPRIATE INTERVALS FOR EASE OF MAINTENANCE.
- 2. VERIFY LOCATION OF EXISTING UNDERGROUND
- SERVICES BEFORE PROCEEDING.
- 3. INSULATE ALL OVERHEAD DOMESTIC WATER PIPING & VERTICAL EXPOSED PIPING. SEE INSULATION SCHEDULE.

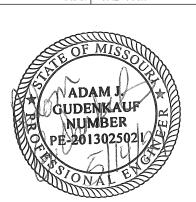
 4. LIMIT OUTLET TEMPERATURE ON LAVATORIES &
- SHOWERS TO 110 DEGREES F.

 5. SEE PLUMBING FIXTURE AND ROUGH IN SCHEDULE FOR CONNECTION SIZE.

 Rev.
 Date

 1
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Design Engineer CDH Detailer AJG CAD Tech



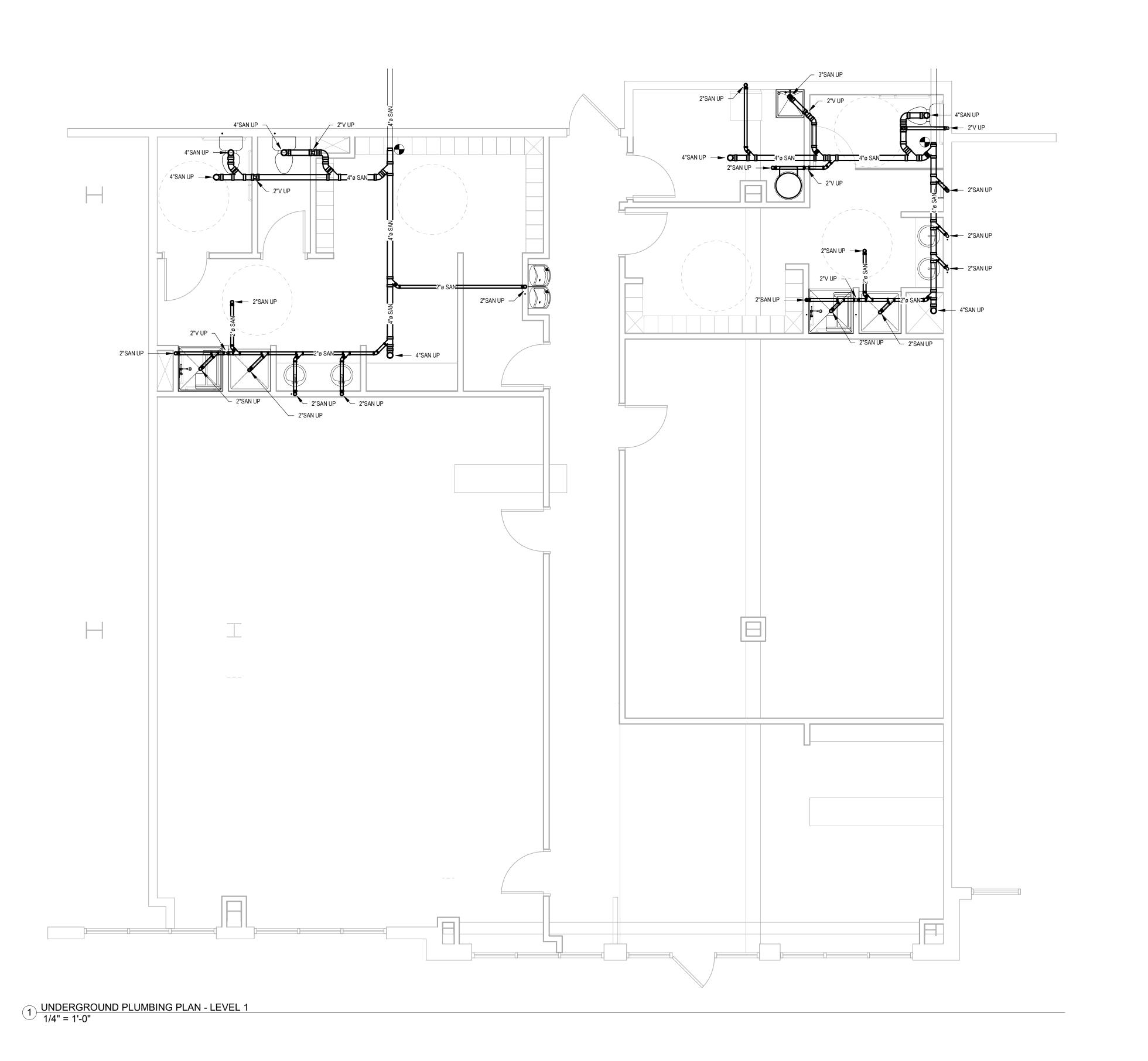
POWER LIFE YOGA 940 NW PRYOR RD LEE'S SUMMIT, MO 6408

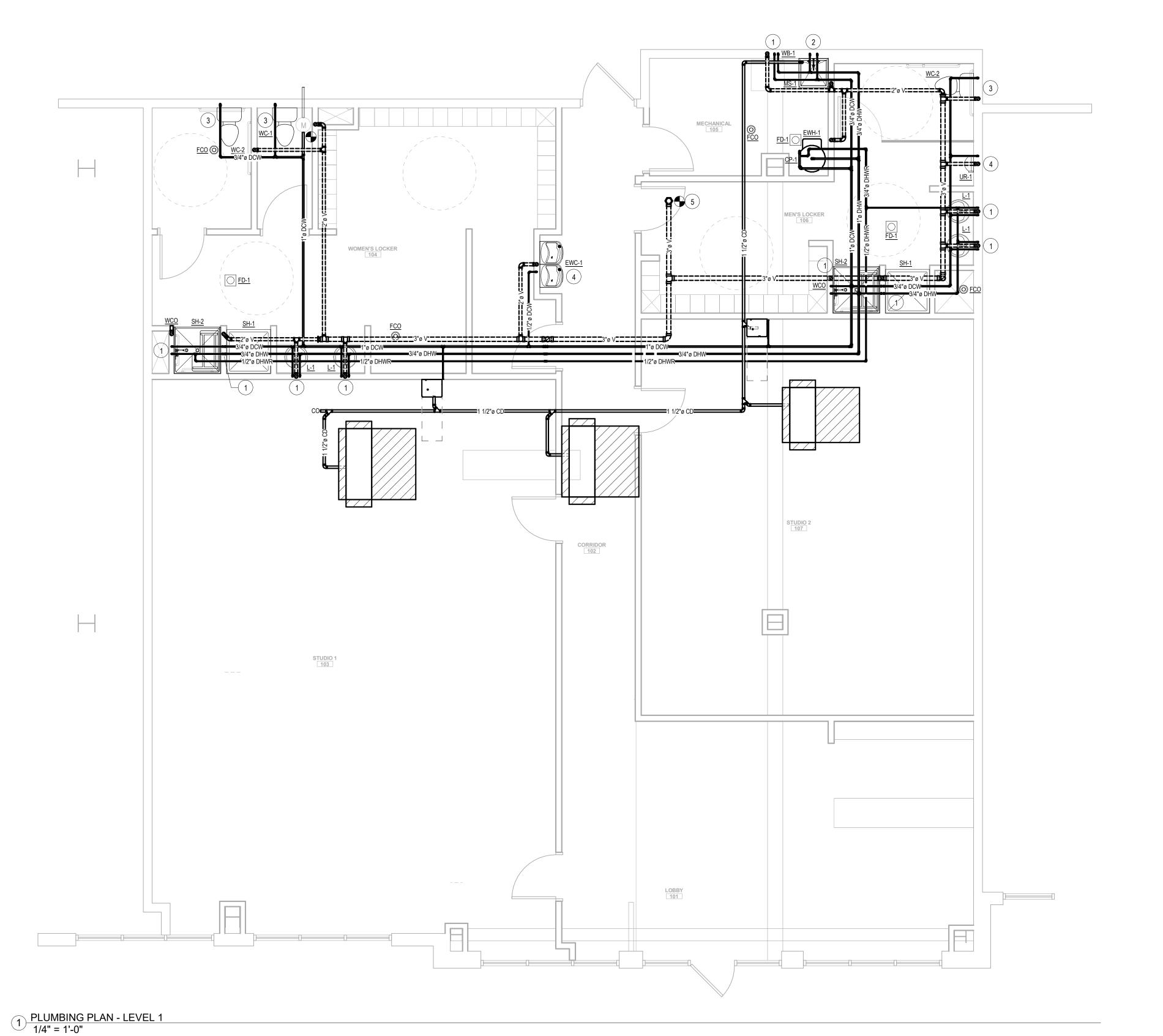
UNDERGROUND PLUMBING PLAN - LEVEL 1

Sheet Title

P100

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THE WALDINGER CORPORATION 6200 SCOUT TRAIL DES MOINES, IA 50321 www.waldinger.com 515-284-1911

Keyplan

PLUMBING GENERAL NOTES:

- INSTALL CLEANOUTS IN UNDERGROUND SANITARY AND STORM PIPING AT APPROPRIATE INTERVALS FOR EASE
- OF MAINTENANCE.
 2. VERIFY LOCATION OF EXISTING UNDERGROUND

1/2"DCW, 2"SAN & 2"V TO FIXTURE.
 CONNECT TO EXISTING VENT PIPING IN THIS AREA.

- SERVICES BEFORE PROCEEDING.
- 3. INSULATE ALL OVERHEAD DOMESTIC WATER PIPING & VERTICAL EXPOSED PIPING. SEE INSULATION SCHEDULE.

 4. LIMIT OUTLET TEMPERATURE ON LAVATORIES &
- SHOWERS TO 110 DEGREES F.

 5. SEE PLUMBING FIXTURE AND ROUGH IN SCHEDULE FOR CONNECTION SIZE.

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Design Engineer CDH Detailer AJG CAD Tech



POWER LIFE YOGA 940 NW PRYOR RD LEE'S SUMMIT, MO 6408

Sheet Title

PLUMBING PLAN - LEVEL 1

TRUE N NORTH

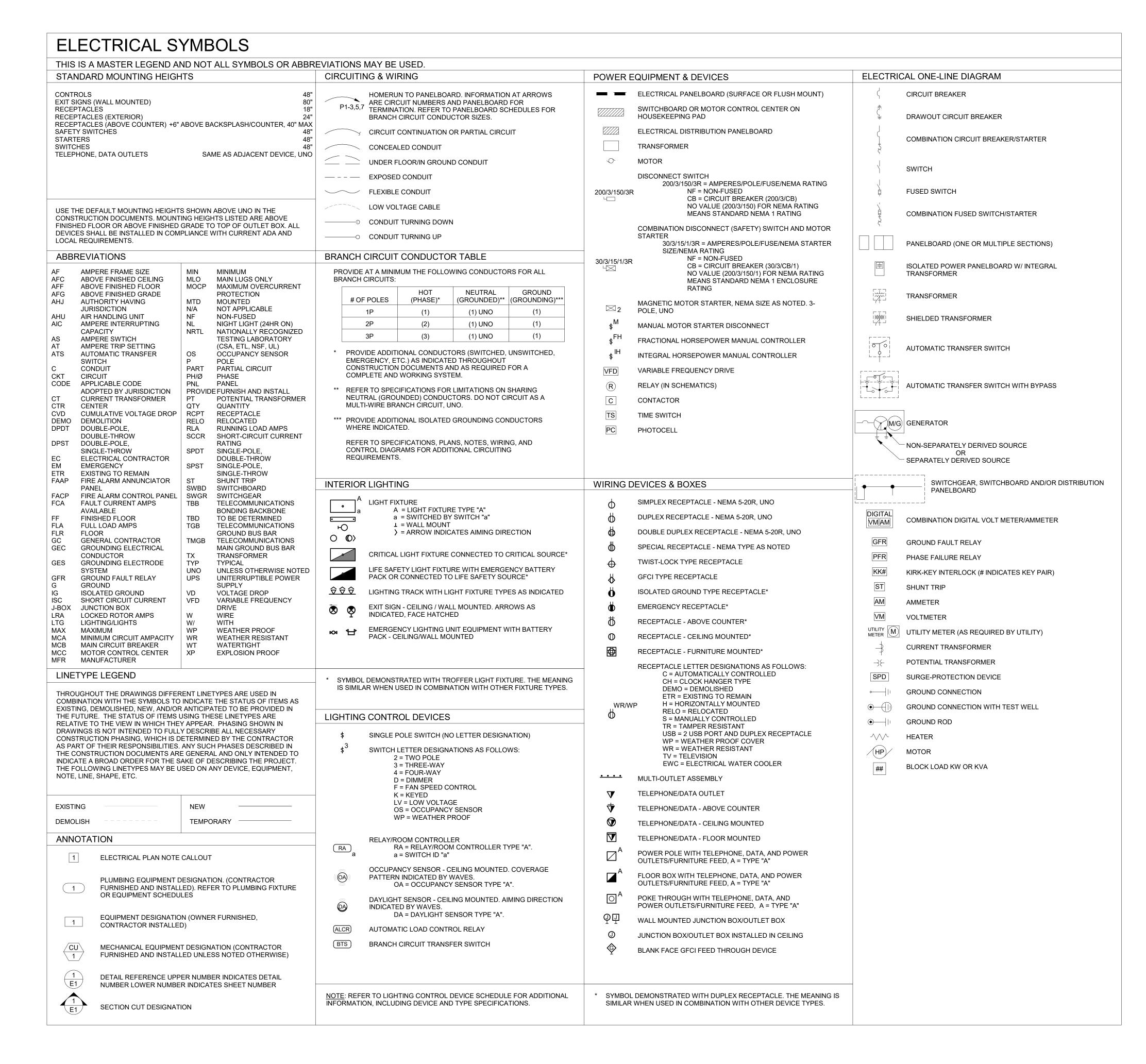
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P101

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW LEE'S SUMMIT, MISSOURI

REVISION DATES:





GENERAL ELECTRICAL NOTES:

- FEDERAL, STATE, LOCAL, MUNICIPAL AND UTILITY COMPANY CODES, RULES AND REGULATIONS APPLY UNLESS EXCEEDED BY THIS DESIGN.
- NO WORK SHALL BE PERFORMED PRIOR TO REVIEW AND APPROVAL OF ALL REQUIRED SHOP DRAWINGS, PRODUCT MATERIAL AND EQUIPMENT SUBMITTALS. ANY WORK INSTALLED PRIOR TO MEETING THESE REQUIREMENTS SHALL BE REMOVED BY CONTRACTOR WHERE DIRECTED BY CONTRACT ADMINISTRATOR.
- DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS.
- THE DRAWINGS REPRESENT THE BEST INFORMATION AVAILABLE TO THE ENGINEER. ALL DIMENSIONS AND SIZES SHALL BE FIELD VERIFIED. DO NOT SCALE FROM DRAWINGS. SMALL DEVIATIONS BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS ENCOUNTED SHALL BE RECONCILED DURING THE PERFORMANCE OF THE WORK AND SHALL NOT CONSTITUTE REASON FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR. NOTIFY THE CONTRACT ADMINISTRATOR IF ACTUAL CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED ON THE DRAWINGS.
- COORDINATE WITH ALL OTHER TRADES, MAKE ADJUSTMENTS AND OFFSETS WHERE NEEDED FOR CLEARANCE REQUIREMENTS. REFER TO ALL OTHER DISCIPLINE DRAWINGS FOR COORDINATION.
- COORDINATE ALL OPENINGS IN WALLS, FLOORS, ROOFS AND FOUNDATIONS WITH OTHER
- FURNISH TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
- SUBMIT COPIES OF INSPECTIONS REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE
- INSPECTIONS TO THE ARCHITECT.
- UNLESS OTHERWISE NOTED, ALL CIRCUITRY SHALL BE #12 AWG IN 1/2" CONDUIT. 10. ALL GFCI PROTECTED CIRCUITS SHALL HAVE INDIVIDUAL AND DEDICATED NEUTRALS.
- FIELD VERIFY EXACT LOCATION AND ELECTRICAL REQUIREMENTS OF ALL HVAC AND PLUMBING EQUIPMENT WITH OTHER TRADE CONTRACTORS PRIOR TO ORDERING RELATED ELECTRICAL
- ALL EXPOSED CONDUIT AND BOXES WITHIN EXPOSED CEILING SPACES SHALL BE PAINTED TO MATCH SURROUNDING CEILING AND STRUCTURE. PROVIDE CONDUIT PARALLEL TO STRUCTURAL LINES IN A
- 13. ALL JUNCTION BOXES SHALL BE RIGIDLY ATTACHED TO STRUCTURE OR MILLWORK.
- 14. COORDINATE SETTINGS AND ADJUST SENSORS WHEREVER NECESSARY FOR PROPER LIGHTING CONTROL IN ALL SPACES. REFER TO SPECIFICATIONS FOR MORE INFORMATION. ALL CEILING MOUNTED OCCUPANCY SENSORS SHALL NOT BE INSTALLED WITHIN FOUR FEET OF ANY CELING MOUNTED PROJECTOR PROVIDED BY OWNER.
- ALL LIGHTING CONTROL INCLUDING OCCUPANCY SENSOR AND RELAY CONTROL PANEL SETTINGS SHALL BE COORDINATED WITH OWNER PRIOR TO COMPLETION OF WORK. CONTROLS SHALL BE TESTED AND FULLY COMMISSIONED. COORDINATE ALL LIGHTING CONTROL LOCATIONS WITH OWNER
- 16. ROOM NAMES/NUMBERS SHOWN IN PANELBOARD SCHEDULES ARE PER ARCHITECTURAL FLOOR PLANS. PROVIDE FINALIZED PANELBOARD SCHEDULES AT COMPLETION OF PROJECT WITH OWNER PROVIDED ROOM NAMES/NUMBERS. SEE SPECIFICATIONS FOR ADDITION INFORMATION.
- 17. PROVIDE STANDARD MOUNTING HEIGHTS FOR ALL ELECTRICAL, LIGHTING, TELE/DATA AND FIRE ALARM DEVICES AS INDICATED ON THE ELECTRICAL SYMBOLS AND LEGEND SHEET. HEIGHTS SHALL BE TO THE CENTERLINE OF THE DEVICE, MOUNTED VERTICALLY, UNLESS OTHERWISE NOTED ON THE PLANS. REFER TO ARCHITECTURAL ELEVATIONS AND DETAILS FOR FINAL DEVICE MOUNTING AND REQUIREMENTS PRIOR TO ROUGH-IN.
- 18. REFER TO ARCHITECTURAL PLANS AND DETAILS FOR EXACT MOUNTING REQUIREMENTS OF ELECTRICAL DEVICES WITHIN MILLWORK.
- ALL CONDUIT FITTINGS ARE TO BE COMPRESSION FITTINGS UNLESS OTHERWISE INDICATED. REFER TO THE SPECIFICATIONS FOR EXACT REQUIREMENTS.
- PROVIDE A SEPARATE CODE SIZED GREEN EQUIPMENT GROUND CONDUCTOR IN ALL CONDUITS AND RACEWAYS CONTAINING LINE VOLTAGE CIRCUITS. FOR ALL 20A CIRCUITS, EQUIPMENT GROUND CONDUCTOR SIZE SHALL MATCH PHASE CONDUCTOR SIZE. FOR CIRCUITS UPSIZED FOR VOLTAGE DROP INCREASE EQUIPMENT GROUNDING CONDUCTOR SIZE PER CODE.
- NEUTRALS SHALL NOT BE SHARED FOR ANY WIRING UNLESS FOR SYSTEMS FURNITURE REQUIRING A SHARED NEUTRAL. PROVIDE HANDLE TIE BREAKERS FOR THESE INSTANCES.
- VERIFY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, LOCATIONS, MOUNTING HEIGHTS, VOLTAGE, PHASE, AMPS, HP, KW, ETC. FOR ALL EQUIPMENT PRIOR TO FINAL ROUGH-IN.
- 23. DO NOT INSTALL ANY CONDUITS WITHIN SLABS. ADDITIONALLY ON GROUND FLOORS, DO NOT INSTALL
- ANY CONDUITS UNDER SLAB EXCEPT AS INDICATED ON DRAWINGS.
- COORDINATE FINAL CONNECTIONS TO EACH EQUIPMENT WITH APPROVED MANUFACTURER'S CERTIFIED DRAWINGS. PROVIDE ALL COMPONENTS FOR A COMPLETE ELECTRICAL CONNECTION.
- PANELS SHALL BE VACUUM CLEANED OF ANY DEBRIS. ALL OPENINGS REMAINING SHALL BE SEALED
- WITH THE PROPER DEVICE (IE. KNOCKOUT BLANKS, BREAKER BLANKS, ETC) LISTED AND APPROVED FOR SUCH USE.
- CONTRACTOR SHALL CLEAN ALL DEVICE BACKBOXES AND JUNCTION BOXES AND SHALL INSTALL A BLANK PLATE ON ANY BOX DESIGNATED AS FUTURE USE FOR A DEVICE TO BE INSTALLED BY OTHERS.
- MOUNT LIGHT FIXTURES AT HEIGHTS INDICATED ON PLANS. REFER TO ARCHITECTURAL DRAWINGS FOR ANY SPECIFIC MOUNTING REQUIREMENTS. COORDINATE ANY DISCREPANCIES WITH CONTRACT
- PROVIDE ALL MOUNTING AND SUPPORT HARDWARE REQUIRED TO MEET SPECIFIED MOUNTING
- 29. CONNECT EMERGENCY LIGHTS AND EXIT SIGNS TO LIFE SAFETY CIRCUIT OF NEAREST EMERGENCY LIGHT FIXTURE WITH A CONSTANT HOT PHASE CONDUCTOR, DO NOT SWITCH.
- PROVIDE UL RATED FIRE STOPPING ASSEMBLIES AT ALL PENETRATIONS OF FIRE RATED
- CONSTRUCTION. SEAL ALL PENETRATIONS OF SMOKE WALLS SMOKE TIGHT.
- PROVIDE BACK BOX AND CONDUIT FOR ROUGH-IN OF ALL MECHANICAL CONTROLLERS AND SENSORS. ROUTE CONDUIT TO ABOVE THE ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATIONS AND OTHER REQUIREMENTS WITH MECHANICAL PLANS AND SPECIFICATIONS. SENSORS AND CONTROLLERS SHALL BE MOUNTED AT SAME ELEVATION AS LIGHT SWITCHES UNLESS REQUIRED OTHERWISE BY MECHANICAL PLANS AND SPECIFICATIONS.

MECHANICAL EQUIPMENT.
NF DISCONNECT SWITCHES
SHALL BE PROVIDED IF THE
DISCONNECT SWITCH WAS
NOT PROVIDED WITH THE
UNIT. COORDINATE FINAL

MECHANICAL EQUIPMENT CONTRACTOR. VERIFY OCPD SIZE AND INCOMING FEEDER WITH THE FINAL MECHANICAL EQUIPMENT MATERIAL SUBMITTAL.

LOCATION WITH

E2 COORDINATE CEILING
RECEPTACLE WITH
SPEAKER LOCATION.
E3 DUPLEX RECEPTACLE FOR
MICROPHONE SYSTEM.

E4 DOUBLE DUPLEX

DRYER.

RECEPTACLE FOR

E6 MOUNT RECEPTACLE IN

WITH OWNER.

E7 FURNITURE MOUNTED

TO BE MINIMIZED.

E8 PANELS TO BE PROVIDED AND INSTALLED BY LANDLORD. INCOMING

CEILING. VERIFY LOCATION

RECEPTACLE. RECEPTACLE RACEWAY TO THE NEAREST

WALL. RACEWAY VISIBILITY

OCPD SIZE AND CABLE SIZE

WILL BE PROVIDED PER

THE LANDLORD ONE LINE

DIAGRAM AND DRAWINGS.

NETWORKING AND HVAC.
COORDINATE LOCATION
WITH IT EQUIPMENT.

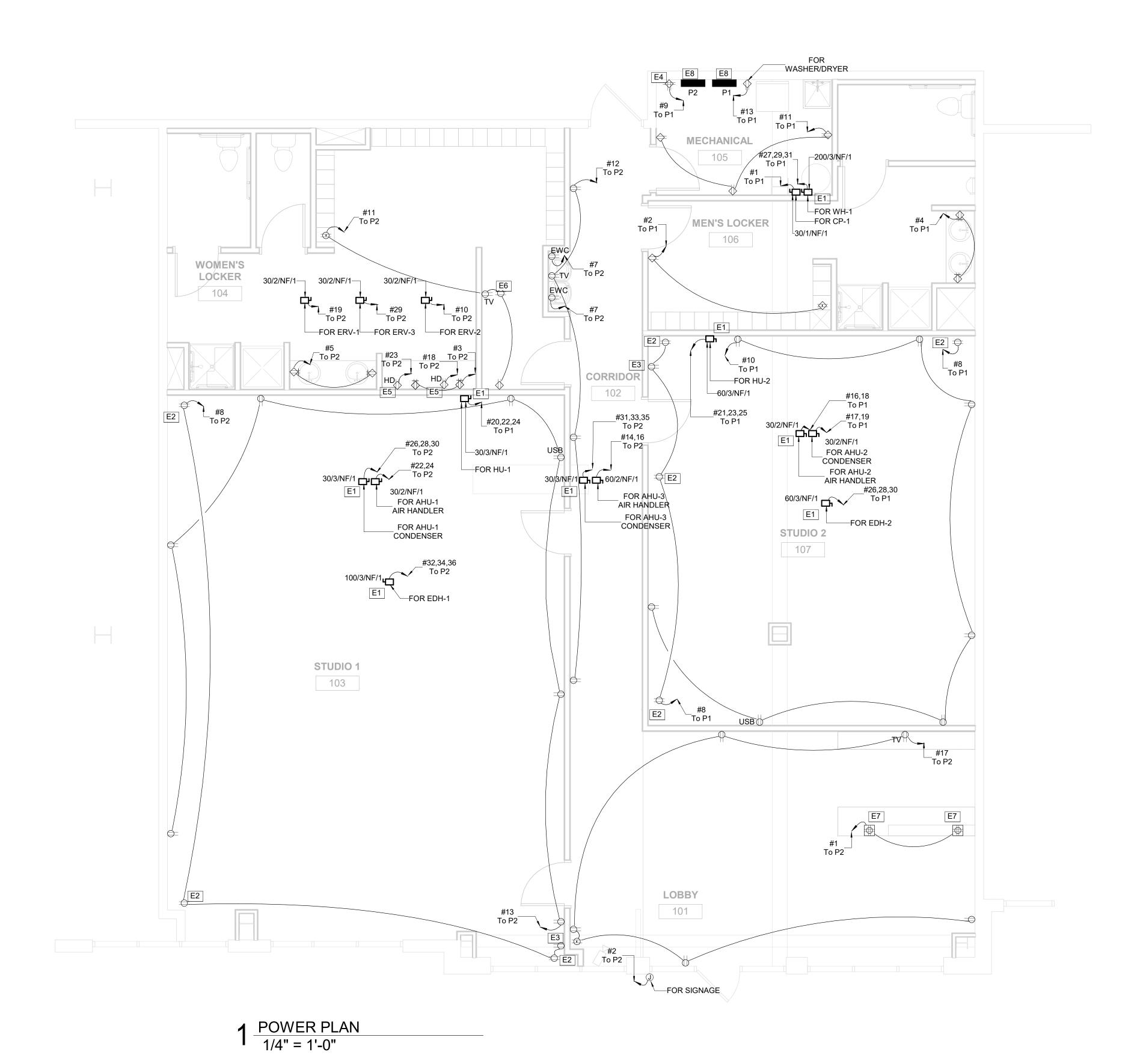
E5 PROVIDE UNDERCOUNTER
RECEPTACLE FOR HAIR

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW

LEE'S SUMMIT, MISSOURI

ISSUE DATE: 18 MAY 2021
HOEFER WELKER #: 112011

POWER PLAN



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW

LEE'S SUMMIT, MISSOURI

JONATHON M.

LEE

NUMBER

PE - 2021003162

NON A L ELECTRICATION

ON A L ELECTRICATION

PROFESSIONAL SEAL

ISSUE DATE: 18 MAY 2021

LIGHTING PLAN

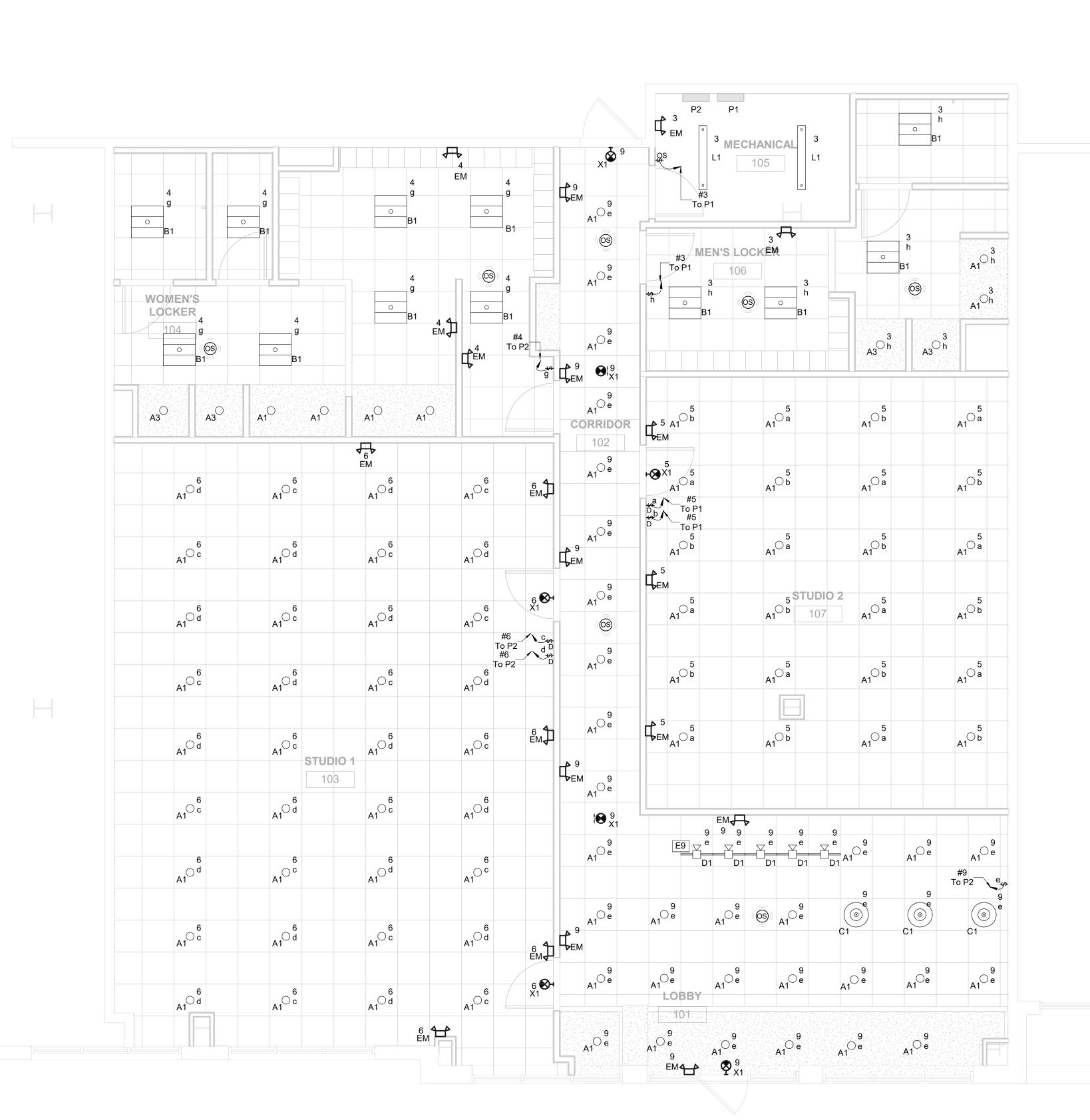
ALL OF THE LIGHTING FIXTURES THAT HAVE
THE SAME SWITCH ID WILL BE CONNECTED
TO THE SAME CIRCUIT AND PANEL OF THE
SWITCH AS PER THE BELOW CRITERIA

#CK: CIRCUIT NUMBER

YY: PANEL NAME

X: SWITCH ID

* BATTERY BACKED-UP EMERGNECY
LIGHTING FIXTURES WILL HAVE THE SAME
CICRUIT NUMBER



1 LIGHTING PLAN
1/4" = 1'-0"

	LIGHT FIXTURE SCHEDULE														
ГҮРЕ	MANUFACTURER	MODEL No.	LUMENS	COLOR TEMP	VOLTAGE	INPUT WATTS	DESCRIPTIONS	NOTES							
A1	NICOR	DCR56 108 120 2K WH	800 LM	2700 K	120 V	11 W	6" RECESSED LED DOWNLIGHT WITH DCR-CLR-56-TR-BLK BLACK TRIM.	1,2							
A3	NICOR	DCR56 108 120 2K WH	800 LM	2700 K	120 V	11 W	6" RECESSED LED DOWNLIGHT.	1,2							
B1	COLUMBIA	CFP22-40/33/2840	5000 LM	4000 K	120 V	40 W	2"X 2" RECESSED LED FLAT PANEL.	1,2							
C1	CONTECH	RLMAC1596-B	650 LM	2700 K	120 V	60 W	LED PENDANT LIGHT WITH 120V 60W A15, E26 MEDIUM BASE.	1,2							
D1	RP LIGHTING	7589BK	1200 LM	3000 K	120 V	15 W	LED TRACK HEAD PROVIDED WITH TRACK SYSTEM.	1,2,3							
EM	DUAL-LITE	EVHC Series	546 LM	5000 K	120 V	7 W	EMERGENCY BUG EYE FIXTURE WITH BATTERY PACK.	1,2,4							
L1	LITHONIA	CSSL48AL03MVOLTSWW3	SWITCHABLE LUMENS 3000/4000/5000 LM	4000 K	120 V	28 W	48" LED LINEAR FIXTURE WITH SWITCHABLE LUMEN AND COLOR TEMPERATURE.	1,2							
X1	COMPASS	CERB	-	5000 K	120 V	5 W	EMERGENCY EXIT LIGHT WITH A BATTERY PACK.	1,2,4							

NOTES:

- 1. THE SPECIFIED LIGHTING FIXTURE OR AN APPROVED EQUAL SHALL BE ACCEPTED .
- 2. ALL LIGHTING FIXTURES FINISHES ARE SUBJECT TO THE INTERIOR DESIGNER/ ARCHITECT APPROVAL.
- 3. PROVIDE WITH APPROVED TRACK SYSTEMS. TRACH LENGTH SHALL BE AS INDICATED ON THE DRAWINGS. FINAL TRACK LENGTH SHALL BE AS PER THE SITE CONDITIONS.
- 4. EMERGENCY BATTERY BACKED-UP LIGHTING FIXTURES SHALL BE PROVIDED WITH UNSWITCHED HOT.

DESCRIPTION ONT DESK - RECEPTACLES OCKER- RECEPTACLES OCKER- RECEPTACLES C BBY - LTG OCKER ROOM - RECEPTACLE JDIO 1 - RECEPTACLES ARE BBY- RECEPTACLES JARE OCKER - HAIR DRYER	GF GF		Groun dSize 12 12 12 12 12 12 12 12	BKR AMP 20 20 20 20		0	A		PS / PHAS	=								
ONT DESK - RECEPTACLES OCKER- RECEPTACLES OCKER- RECEPTACLES C BBY - LTG OCKER ROOM - RECEPTACLE JDIO 1 - RECEPTACLES ARE BBY- RECEPTACLES J-1 ARE OCKER - HAIR DRYER	GF GF	12 12 12 12 12 12	12 12 12 12 12	20 20 20	1				В			P	BKR AMP	Groun dSize	WIRE SIZE	CIRCUIT NOTES	DESCRIPTION	CKT NO.
OCKER- RECEPTACLES OCKER- RECEPTACLES C BBY - LTG OCKER ROOM - RECEPTACLE JDIO 1 - RECEPTACLES ARE BBY- RECEPTACLES J-1 ARE OCKER - HAIR DRYER	GF	12 12 12 12 12	12 12 12 12	20 20			200					1	20	12	12	NOTES	OUTDOOR SIGNAGE	2
OCKER- RECEPTACLES C BBY - LTG OCKER ROOM - RECEPTACLE JDIO 1 - RECEPTACLES ARE BBY- RECEPTACLES J-1 ARE OCKER - HAIR DRYER	GF	12 12 12 12	12 12 12	20			200	360	452			1	20	12	12		W.LOCKER ROOM - LTG	4
C BBY - LTG OCKER ROOM - RECEPTACLE JDIO 1 - RECEPTACLES ARE BBY- RECEPTACLES J-1 ARE OCKER - HAIR DRYER		12 12 12	12 12		1			000	102	360	480	1	20	12	12		STUDIO 1 - LTG	6
BBY - LTG OCKER ROOM - RECEPTACLE JDIO 1 - RECEPTACLES ARE BBY- RECEPTACLES J-1 ARE OCKER - HAIR DRYER	GF	12 12	12	20	1	300	720					1	20	12	12		STUDIO 1 - AUDIO	8
OCKER ROOM - RECEPTACLE JDIO 1 - RECEPTACLES ARE BBY- RECEPTACLES J-1 ARE OCKER - HAIR DRYER	GF	12		20	1			723	500			1	20	12	12		ERV-2	10
ARE BBY- RECEPTACLES /-1 ARE .OCKER - HAIR DRYER		12		20	1	4000	5400			720	840	1	20	12	12		CORRIDOR - RECEPTACLES	12
BBY- RECEPTACLES /-1 ARE .OCKER - HAIR DRYER			12	20	1	1260	5100	0	5100			2	50	8	10		AHU-3 AIR HANDLER	14 16
/-1 ARE .OCKER - HAIR DRYER		12	12	20	1					1200	1500	1	20	12	12	GF	W.LOCKER - HAIR DRYER	18
OCKER - HAIR DRYER		12	12	20	1	500	0					1	20				SPARE	20
				20	1			0	1050			2	15	10	10		AHU-1 - AIR HANDLER	22
NDF	GF	12	12	20	1					1500	1050	2	15	12	12		Anu-1 - AIR HANDLER	24
ARE				20	1	0	1267											26
ARE				20	1			0	1267			3	30	10	10		AHU-1 - CONDENSER	28
/-3		12	12	20	1					500	1267							30
						1267	5667											32
J-3 CONDENSER		10	10	30	3			1267	5667			3	80	4	8		EDH-1	34
										1267	5667							36
ARE				20	1	0	0					1	20				SPARE	38
ARE				20	1			0	0	_	_	1	20				SPARE	40
ARE				20	1					0	0	1	20				SPARE	42
				TAL A	AMPS:	4	80 VA 6 A		83 VA 87 A	1635	60 VA 6 A							
CONNE		DEMAND FACTOR	ESTIM. DEN			BOARD NOT	ES:										PANELBOA	RD TOTALS
146	51 VA 1:	25.00%	182	6 VA	AF - AF	RC FAULT CK	T INTERRUP	Т		HT - PROV	IDE HANDLE	TIES T	о сом	PLY			TOTAL CONNECTED LOAD:	49012 VA
3860	0 VA 1	00.00%	3860	0 VA	C - COI	NDUCTOR SI	ZE			WITH	NEC 210.4(B)					TOTAL ESTIMATED DEMAND:	49377 VA
		00.00%			-		ANDLE-ON C	LAMP			TED GROUN		UIT				TOTAL CONNECTED CURRENT:	136 A
0.0				_		KISTING					DLE PADLO			EVICE			TOTAL ESTIMATED DEMAND	137 A
													. 011 D	LVIOL			TOTAL LOTIMATED DEMAND	
								(ED					00444					
					_				ON			IG BRE	AKER					
						BREAKER RA	ATED FOR 30)mA		ST - SHUN	T TRIP							
]						SW - SWIT	CH RATED							
		1			1													
						GF - GI GFEP -	GF - GFCI TYPE CIF	GFEP - GND FAULT EQUIPMENT	GF - GFCI TYPE CIRCUIT BREAKER	GF - GFCI TYPE CIRCUIT BREAKER GFEP - GND FAULT EQUIPMENT PROTECTION	GF - GFCI TYPE CIRCUIT BREAKER OL - REFE GFEP - GND FAULT EQUIPMENT PROTECTION PS - POWE BREAKER RATED FOR 30mA ST - SHUN	GF - GFCI TYPE CIRCUIT BREAKER OL - REFER TO ONE-LI GFEP - GND FAULT EQUIPMENT PROTECTION PS - POWER SWITCHIN	GF - GFCI TYPE CIRCUIT BREAKER OL - REFER TO ONE-LINE DIAG GFEP - GND FAULT EQUIPMENT PROTECTION PS - POWER SWITCHING BRE BREAKER RATED FOR 30mA ST - SHUNT TRIP	GF - GFCI TYPE CIRCUIT BREAKER OL - REFER TO ONE-LINE DIAGRAM GFEP - GND FAULT EQUIPMENT PROTECTION PS - POWER SWITCHING BREAKER BREAKER RATED FOR 30mA ST - SHUNT TRIP	GF - GFCI TYPE CIRCUIT BREAKER OL - REFER TO ONE-LINE DIAGRAM GFEP - GND FAULT EQUIPMENT PROTECTION PS - POWER SWITCHING BREAKER BREAKER RATED FOR 30mA ST - SHUNT TRIP	GF - GFCI TYPE CIRCUIT BREAKER OL - REFER TO ONE-LINE DIAGRAM GFEP - GND FAULT EQUIPMENT PROTECTION PS - POWER SWITCHING BREAKER BREAKER RATED FOR 30mA ST - SHUNT TRIP	GF - GFCI TYPE CIRCUIT BREAKER OL - REFER TO ONE-LINE DIAGRAM GFEP - GND FAULT EQUIPMENT PROTECTION PS - POWER SWITCHING BREAKER BREAKER RATED FOR 30mA ST - SHUNT TRIP	GF - GFCI TYPE CIRCUIT BREAKER OL - REFER TO ONE-LINE DIAGRAM GFEP - GND FAULT EQUIPMENT PROTECTION PS - POWER SWITCHING BREAKER BREAKER RATED FOR 30mA ST - SHUNT TRIP

PAI	NELBOARD:	P1																		
									FAULT (
BUS AI	MPS: 400 A								Ale	C RATING:	14,000 A									
MAIN S	IZE/TYPE: 400A M.C.B.									SERVES:	RIGHT W	ING								
/OLTS	/PHASE: 120/208 Wye, 3PH	, 4W							M	OUNTING:	SURFACE	=								
SUPPL	IED BY: LANDLORD PANE	ïL							L	OCATION:	MECHAN	ICAL 105								
								T		VOLT AM	PS / PHAS	E								
CKT NO.	DESCRIPTION			WIRE G			Р		Ą	ı	В	(P		Groun dSize		CIRCUIT NOTES	DESCRIPTION	CKT NO.
	CP-1				12	20	1	200	360					1	20	12		GF	MEN'S LOCKER - RECEPTACLE	
	MEN'S LOCKER/ ME - LTG				12	20	1			305	360	040		1	20	12	12	GF	MEN'S LOCKER - RECEPTACLE	
	STUDIO 2 - LTG SPARE			12	12	20	1	0	900			316	0	1	20	12	12		SPARE STUDIO 2 - AUDIO	6 8
	T STATION		GF	12	12	20	1	U	900	600	1260			1	20	12			STUDIO 2 - AUDIO STUDIO 2-RECEPTACLES	10
	MECHANICAL - RECEPTACLES		GF		12	20	1			330	1200	540	0	1	20	· <u>~</u>			SPARE	12
	DRYER UNIT		GF		12	20	1	1500	0					1	20				SPARE	14
	SPARE					20	1			0	1500		4500	2	20	12	12		AHU-2 - CONDENSER	16
17 19	AHU-2 - AIR HANDLER			12	12	15	2	550	1433			550	1500	-	+	ļ · -				18
21								550	1433	2167	1433			3	25	12	12		HU-1	20
	HU-2			8	10	40	3			2107	1400	2167	1433		20	'2	'-			24
25								2167	2967											26
27							_			11333	2967			3	45	8	10		EDH-2	28
29 \ 31	NH-1			1	6	125	3	11222	0			11333	2967	1	20				CDADE	30
	SPARE					20	1	11333	0	0	0			1 1	20				SPARE SPARE	32
	SPARE					20	1					0	0	1	20				SPARE	36
37	SPARE					20	1	0	0					1	20				SPARE	38
	SPARE					20	1			0	0			1	20				SPARE	40
41	SPARE			TO:		20	1	0444	10.1/4	0.400	\	0	0	1	20				SPARE	42
				10			(VA):		0 VA		25 VA	2080		-						
				,	10	IAL A	MPS:	1/	9 A	18	3 A	173	3 A							
		CONNECTED			STIMA															
OAD TY		LOAD	FAC					BOARD NOT				LIT DDG:	IDE HAVE:	- TIEC :	TO 00:	IDLY			PANELBOA	
IGHTII		620 VA	125.0					C FAULT CK		1 1			IDE HANDLI		TO COM	IPLY		TOTAL CONNECTED LOAD:	64140 VA	
MOTOF		58000 VA	100.0					NDUCTOR SI		N AMD			NEC 210.4(E	•	N 11 1				TOTAL CONNECTED CURRENT:	64295 VA
Recepta	acies	5520 VA	100.0	0%	5520			MERG LTG H	ANDLE-ON C	CLAMP			TED GROUN			NEV (10E			TOTAL CONNECTED CURRENT:	178 A
								(ISTING					DLE PADLO		E-OFF D	EVICE			TOTAL ESTIMATED DEMAND	178 <i>A</i>
								D/HANDLE-C		(ED			LE-ON CLAN		054					
								CI TYPE CIR			281		R TO ONE-L							
						——(T PROTECTION	NI		R SWITCHI	NG BKF	AKEK					
							ı	BREAKER RA	ATED FOR 30	UIΠA		ST - SHUN								
												SW - SWIT	CH KATED							

PENEDAL NOTES.

GENERAL NOTES:

1. VERIFY MECHANICAL EQUIPMENT OCPD SIZE AND INCOMING FEEDER WITH THE FINAL APPROVED MECHANICAL EQUIPMENT SUBMITTAL.

2. VERIFY SMALL APPLIANCES OCPD SIZE
AND WIRE SIZE WITH THE FINAL
APPROVED MATERIAL SUBMITTAL

11460 Tomahawk Creek Parkway, Suite 400, Leawood, Ka

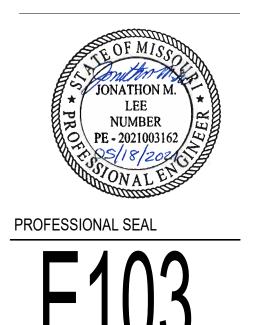
RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW

LEE'S SUMMIT, MISSOURI

ERMIT SET

POWERLIFE YOGA

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SCHEDULES

HOEFER WELKER #: 112011