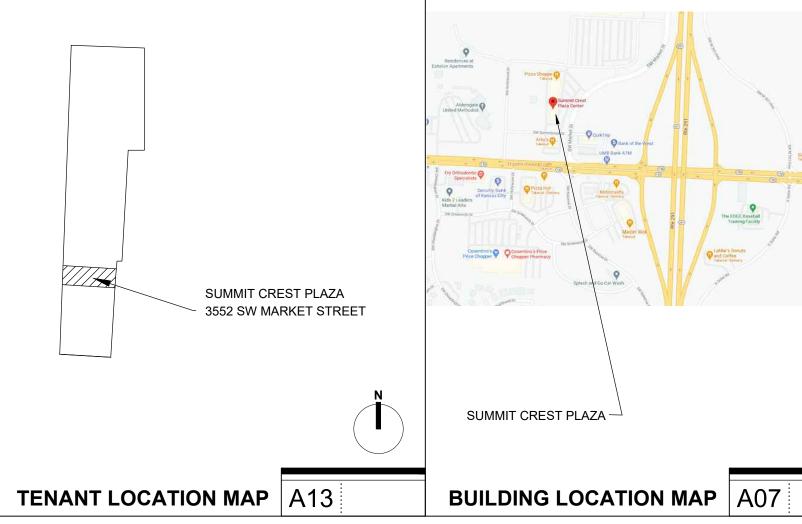
| [      | 36 35   | 34 33 32   | 31 30   | 29 28 27   | 26 25  | 24 23 22 2   | 1 20 1  |
|--------|---|--|---|--|--|--|---|
| z      |   |  |   |  | TEN  | ANT FINISH FOR:  |   |
| Y      |   |  |   |  | C  |  |   |
| x      |   | JUK  |   | AN   | 3  | CHIF   |   |
|        |   |  |   |  |  | <b>—</b> — — — — — — — — — — — — — — — — — —   |   |
| W      |   |  |   |  |  | MIT CREST PLAZA<br>N MARKET STREE  |   |
| V      |   |  |   |  |  | SUMMIT, MISSOUF  |   |
| U      |   |  |   |  |  |  |   |
| Т      |   | REAK LINE  | 100'-0"   | ELEVATION TAG  | Ģ  | CABLE OUTLET<br>WALL MOUNTED AT 46" A.F.F.   | 면 HC  |
|        | ଜ   | CENTER LINE  | MATCH LINE<br>SEE A2/A101                             | MATCHLINE<br>ADJACENT SHEET NUMBER   | Ø  | CABLE OUTLET<br>FLOOR MOUNTED  | HC<br>WA  |
| s<br>_ | A   | COLUMN NUMBER  |   | REVISION NUMBER  | 野  | CARD READER<br>WALL MOUNTED AT 46" A.F.F.  | ⊉ JU<br>W∕  |
| R      | ÷   | ELEVATION INDICATOR  | OFFICE  | ROOM NAME AND NUMBER   | $\odot$  | CORE DRILL   | JU<br>FL  |
| _      |   | DETAIL INDICATOR   | $\langle A \rangle$                                   | SPECIALTY TYPE   | $\overline{\Delta}$                                | DATA OUTLET<br>WALL MOUNTED AT 18" A.F.F.  | 区 KE  |
| Q      | 101   | DOOR NUMBER  |   | STAIR DIRECTION INDICATOR  | $\Box$   | DATA OUTLET<br>FLOOR MOUNTED   | ا<br>س<br>س<br>س  |
|        | A   | FURNITURE, FIXTURE OR<br>EQUIPMENT TYPE  | 1   | WALL TYPE  | V  | DATA / PHONE OUTLET<br>WALL MOUNTED AT 18" A.F.F.  | M EL  |
| P<br>  | 1   | KEYNOTE  | A   | WINDOW TYPE  | $\mathbf{\nabla}$                                  | DATA / PHONE OUTLET<br>FLOOR MOUNTED   | Y PH<br>₩4  |
| N      | X30<br>A101   | INTERIOR SECTION NUMBER<br>SHEET NUMBER  |   | NEW WALL   | Φ  | DUPLEX OUTLET<br>WALL MOUNTED AT 18" A.F.F.  | ▼ PH  |
|        | X30<br>A101   | INTERIOR ELEVATION NUMBER<br>SHEET NUMBER  | —   | EXISTING WALL TO REMAIN  |  | DUPLEX OUTLET<br>FLOOR MOUNTED   | ⊕ QL<br>₩/  |
| М      |   | SHELLNUMBER  | ———   | EXISTING WALL TO BE REMOVED  | ĒM   | ELECTRICAL METER   | ⊕ QL<br>FL  |
|        | A4 A101 A2  | INTERIOR ELEVATION NUMBER<br>SHEET NUMBER  | $(\mathbf{I})$  | NORTH ARROW  | EP   | ELECTRICAL PANEL   | ହ SP<br>WA  |
| L<br>— | A3  |  |   |  | FP   | FIRE ALARM ANNUNCIATOR PANEL   | D SP<br>FL  |
| к      | (X30)<br>(A101)   | DETAIL NUMBER<br>SHEET NUMBER  |   | NEW DOOR   | Ē  | FIRE ALARM PULL STATION<br>WALL MOUNTED AT 46" A.F.F.  | 토 ST<br>또 WA  |
|        | X30<br>A101   | EXTERIOR ELEVATION NUMBER<br>SHEET NUMBER  |   | EXISTING DOOR TO REMAIN  |  | FIRE / HORN / STROBE PULL STATION<br>WALL MOUNTED AT 46" A.F.F.  | \$ LIC<br>W/  |
| J      |   |  |   |  | $\bigcirc$   | FIRE EXTINGUISHER<br>WALL MOUNTED AT 46" A.F.F.  | \$₀ DII<br>₩A   |
|        | A101  | EXTERIOR SECTION NUMBER<br>SHEET NUMBER  |   | EXISTING DOOR TO BE REMOVED  | G  | ELECTRICAL GENERATOR   | \$. TH<br>W/  |
| H      |   | ALL BE DONE IN ACCORDANCE WITH   |   | ANY ELEMENT, WHATSOEVER, REQUI   |  | 9. ALL VERTICAL DIMENSIONS SHALL BE  |   |
| G      |   | AND CODES, AND IN ACCORDANCE   | WITH TO BE ÍN<br>CD SHAI                              | CORPORATED IN CONSTRUCTION BUT<br>L BE BROUGHT TO ATTENTION OF<br>ARCHITECTURE, L.L.C. FOR REVIEW/AC                                       | NOT SPECIFIED IN<br>REES MASILIONIS                | MARK" OR OTHER SIMILAR GUIDE ESTABLIS<br>OF CONSTRUCTION. HIGH POINTS, LOW PO<br>IN FLOOR SLAB, PARTICULARLY, WHICH  | SHED PRIOR TO START<br>NNTS, IRREGULARITIES   |
|        | ANY DISCREPANCIES   | LL DIMENSIONS AND NOTIFY ARCHITEC<br>S PRIOR TO CONSTRUCTION.  |   | NO MODIFICATIONS / REVISIONS / CH<br>AKEN UNLESS SPECIFICALLY SO II<br>ED BY OWNER.  |  | AFFECT FABRICATION/INSTALLATION WOR<br>OR VENDORS (I.E., CABINET CONTRA<br>BROUGHT TO THE ATTENTION OF THE ARCI  | ACTORS), SHALL BE<br>HITECT.  |
| F<br>  | SCALE DRAWINGS<br>DIMENSIONS TO BE<br>WRITTEN DIMENSIC<br>REPRESENTATION. | MEASURE REQUIRED DIMENSIONS. DO<br>UNLESS OTHERWISE INDICATED.<br>TAKEN FROM DESIGNATED DATUM PO<br>DNS TAKE PRECEDENCE OVER GRA<br>DETAIL DIMENSIONS TAKE PRECEDE | ALL SHALL M<br>DINT. PARTIES<br>PHIC WAY, MIC<br>ENCE | DURING COURSE OF PROJECT, GENER<br>AKE EVERY EFFORT TO FULLY INFORM<br>REGARDING DECISIONS/ACTIONS TAK<br>GHT AFFECT ANY SAID CONSTRUCTION | I ALL CONCERNED<br>EN WHICH, IN ANY<br>CONDITIONS. | A) VARIATIONS IN FLOOR LEVEL IN<br>EVERY 10'-0" IN EVERY DIRECTION WILL F<br>SLAB BY G.C. LEVELING OF SLAB TO BE<br>READY TO RECEIVE FLOOR FINISHES, (I,E<br>CARPETING, ETC). G.C. TO VERIFY SLAB  | REQUIRE LEVELING OF<br>DONE AS REQUIRED<br>VINYL TILE FLOORS,<br>CONDITION PRIOR TO |
| E      |   | IED BY THE OWNER AND INSTALLED BY<br>BE COORDINATED BY THE CONTRAC   | FROM<br>THE FILLED/R<br>TOR LEVEL N<br>ACCEPT/        | EPAIRED AND THE SURFACE PATCH<br>WITH ADJACENT FLOOR SURFACE,<br>ABLE TO OWNER AND REES MAS  | S SHALL BE<br>ED SMOOTH AND<br>IN A MANNER         | BID SUBMISSION AND CONTACT LANDLORD<br>10. GC, SUBCONTRACTORS, AND ALL VEN<br>ALL CLEARANCES (CORRIDORS, STAIRS<br>REQUIRED FOR DELIVERIES AND PAS   | IDORS ARE TO VERIFY<br>S, ELEVATORS, ETC.)  |
| D      |   | DRAWINGS ARE FINISH FACE TO FINISH F<br>UMNS, ETC., OR TO WHERE SHOWN, UNI   | ACE<br>LESS 8. GC                                     | CTURE, L.L.C<br>SHALL BE RESPONSIBLE FOR FIELD<br>CONDITIONS PRIOR TO START OF W   |  | MATERIALS/EQUIPMENT.<br>11. ALL NECESSARY WOOD BLOCKING / GF<br>BE SUPPLIED AS FIREPROOFED ELEMEN  |   |
|        | 6. THE GENERAL CO<br>THE OWNER/GC AG                                      | NTRACTOR (GC, HEREAFTER) UPON SIG<br>BREEMENT, ACCEPTS THE CD (INCLU   | CONSTR<br>NING ADHERE<br>DING CONSTR                  | JCTION, AS NECESSARY, TO ASSURE<br>NCE TO DRAWINGS. BY ENTE<br>JCTION CONTRACT FOR THIS W(   | E CONSTRUCTION<br>ERING INTO A<br>ORK, GC SHALL    | COORDINATE SETTING/PLACEMENT OF 1<br>REQUIRED BY LOCAL CODE/BUILDING OR S<br>A) GROUND/BLOCKING MAY NOT BE   | THESE ELEMENTS AS<br>URROUNDINGS.<br>WHOLLY SHOWN ON                                |
| с<br>  | MATERIAL) & AGREE<br>MANNER DESCRIBED                                     |  | RK IN A)<br>ASSURE                                    | HIS FAMILIARITY WITH THE SITE/FIELD<br>ALL "HOLD" DIMENSIONS SHALL BE<br>CORRECTNESS.  | MONITORED TO                                       | DRAWINGS AND GOOD CONSTRUCTIO<br>GOVERN/DETERMINE SAID USE WHERE A Q<br>B) GC TO PAY PARTICULAR ATTENTIO   | UESTION ARISES.<br>ON TO ALL LOCATIONS  |
| В      | SITE VISIT, ANY E<br>AND/OR CONFLICTS                                     | MINATION / FAMILIARIZATION OF CD &<br>DISCREPANCIES, OMISSIONS, AMBIGU<br>S NOTED, SHALL BE BROUGHT TO<br>S MASILIONIS TURLEY ARCHITECTURE, L<br>RRECTION.         | ITIES BROUGH<br>THE REVIEW/                           | ANY DIMENSION REVISIONS/MODIFICA<br>T TO ATTENTION OF THE A<br>APPROVAL.   |  | OF DRYWALL PARTITION CONSTRUCTION<br>RECEIVE MILLWORK OR CABINET WO<br>INTERNAL WOOD BLOCKING SHALL BE SU<br>ANCHORAGE AT INTERSECTIONS OF WOO<br>LIGHT PARTITIONS AND ADJACENT DRYWA<br>REQUIRED. | ORK CONSTRUCTION.<br>JPPLIED FOR STURDY<br>DD/GLASS BORROWED                        |
| A      |   |  |   |  |  | GENERAL NOTE   | <b>S</b> A19  |
|        |   |  |   |  |  |  | i   |

|  | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 09 | 08 | 1 |
|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
|  |    |    |    |    |    |    |    |    |    |    |    |    |    | -  |    |    |   |

# PRATIC

|  |                      |  |              |  | SYMBOLS LE     | EGEND H07                            |
|--|----------------------|--|--------------|--|----------------|--------------------------------------|
| GENERATOR                                  | \$s                  | THREE-WAY SWITCH<br>WALL MOUNTED AT 46" A.F.F. | Ŭ            | INCANDESCENT LIGHT<br>WALL MOUNTED         |                |                                      |
| UISHER<br>TED AT 46" A.F.F.                | \$ <sup>°</sup>      | DIMMER SWITCH<br>WALL MOUNTED AT 46" A.F.F.    | Ø            | INCANDESCENT LIGHT<br>CEILING MOUNTED      | WH             | WATER HEATER                         |
| / STROBE PULL STATION<br>TED AT 46" A.F.F. | \$                   | LIGHT SWITCH<br>WALL MOUNTED AT 46" A.F.F.     | <b>9</b>     | DOUBLE SIDED EXIT LIGHT<br>WALL MOUNTED    | $(\mathbb{H})$ | INSTA HOT                            |
| PULL STATION<br>TED AT 46" A.F.F.          | <u></u>              | STROBE LIGHT<br>WALL MOUNTED                   | $\mathbf{r}$ | EXIT LIGHT<br>WALL MOUNTED                 | GM             | GAS METER                            |
| ANNUNCIATOR PANEL                          | $\square$            | SPECIALTY OUTLET<br>FLOOR MOUNTED              |              | DOUBLE SIDED EXIT LIGHT<br>CEILING MOUNTED |                | FLOOR DRAIN                          |
| PANEL                                      | $\underline{\nabla}$ | SPECIALTY OUTLET<br>WALL MOUNTED AT 18" A.F.F. | $\bigotimes$ | EXIT LIGHT<br>CEILING MOUNTED              | •              | SPRINKLER HEAD                       |
| METER                                      |                      | QUADPLEX OUTLET<br>FLOOR MOUNTED               | 4            | EMERGENCY LIGHT<br>WALL MOUNTED            | $\square$      | MECHANICAL SUPPLY GRILL              |
| LET<br>NTED                                | <b>(</b>             | QUADPLEX OUTLET<br>WALL MOUNTED AT 18" A.F.F.  | XXI          | EMERGENCY LIGHT<br>CEILING MOUNTED         |                | MECHANICAL RETURN GRILL              |
| 'LET<br>TED AT 18" A.F.F.                  |                      | PHONE OUTLET<br>FLOOR MOUNTED                  | Θ            | CAN LIGHT<br>WALL WASHING                  | Ē              | EXHAUST FAN                          |
| IE OUTLET<br>NTED                          | ¥                    | PHONE OUTLET<br>WALL MOUNTED AT 18" A.F.F.     | Ø            | CAN LIGHT<br>EMERGENCY                     | <u>۲۵۰۵۰۵</u>  | TRACK LIGHT                          |
| IE OUTLET<br>TED AT 18" A.F.F.             | (M)                  | ELECTRICAL MOTOR                               | Ø            | CAN LIGHT                                  | S              | SPEAKER                              |
| T<br>NTED                                  | <u>@</u>             | MOTION DETECTOR<br>WALL MOUNTED                |              | CEILING FAN                                | SD             | SMOKE DETECTOR                       |
| T<br>TED AT 18" A.F.F.                     | <u>ال</u>            | KEYPAD<br>WALL MOUNTED AT 46" A.F.F.           | C            | CAMERA                                     |                | FLUORESCENT LIGHT<br>EMERGENCY       |
|  | Ū                    | JUNCTION BOX<br>FLOOR MOUNTED                  |              | 220 OUTLET<br>FLOOR MOUNTED                |                | FLUORESCENT LIGHT<br>PARABOLIC LENS  |
| ER<br>TED AT 46" A.F.F.                    | Q                    | JUNCTION BOX<br>WALL MOUNTED AT 18" A.F.F.     | $\oplus$     | 220 OUTLET<br>WALL MOUNTED AT 18" A.F.F.   |                | FLUORESCENT LIGHT                    |
| ET<br>NTED                                 |                      | HORN STROBE ALARM<br>WALL MOUNTED              | (T)          | ELECTRICAL TRANSFORMER                     |                | FLUORESCENT LIGHT<br>DIRECT/INDIRECT |
| ET<br>TED AT 46" A.F.F.                    | 里                    | HORN<br>WALL MOUNTED                           | 豆            | THERMOSTAT<br>WALL MOUNTED AT 46" A.F.F.   | <u>н</u>       | FLUORESCENT STRIP LIGHT              |
|  |                      |  |              |  |                |                                      |



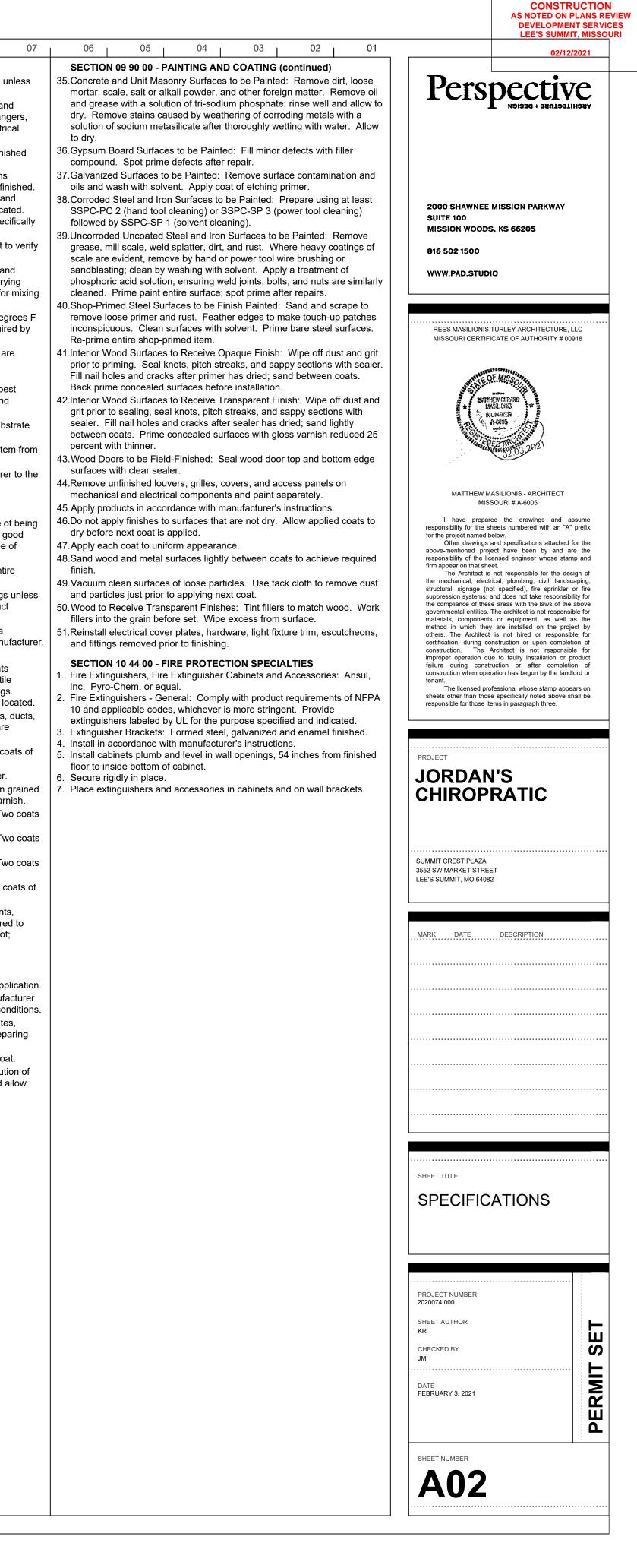
| 07                                    | 06 05   | 04   03  | 02   01  |   | RELEASE FOR<br>CONSTRUCTION<br>AS NOTED ON PLANS REVIEV<br>DEVELOPMENT SERVICES<br>LEE'S SUMMIT, MISSOURI<br>02/12/2021  |
|---------------------------------------|---|--|--|---|--|
| K/<br>RI<br>20<br>SI<br>M<br>81       | RCHITECT<br>AREN ROARK<br>MTA<br>DOO SHAWNEE MISSION PK<br>UITE 100<br>ISSION WOODS, KS 66205<br>16.808.7643 m<br>aren@rmta.biz   | (WY  |  | Pers  | PECTIVE<br>VBCHILECLINEE + DESIGN  |
| CI<br>jo<br>EI<br>G<br>L/<br>81<br>81 | WNER REPRESENTATIVE<br>HRISTOPHER JORDAN<br>rdanschiropratic@gmail.com<br>NGINEER<br>REG FENDLER<br>ANKFORD FENDLER + ASS<br>16.221.1411 o<br>16.729.3926 c<br>reg@lankfordfendler.com  |  |  | 2000 SHAWNEE<br>SUITE 100<br>MISSION WOODS<br>816 502 1500<br>WWW.PAD.STUD  |  |
|                                       | CONTACT INFO  | RMATION  | U01  |   | TURLEY ARCHITECTURE, LLC<br>ICATE OF AUTHORITY # 00918   |
|                                       | 102FINISH PLAN AN103WALL TYPE, DENGINEERINGEP101SPECIFICATIONEP102SPECIFICATION101FLOOR PLAN - N201MECHANICAL DI<br>SYMBOLS101FLOOR PLAN - F201PLUMBING DET/<br>SYMBOLSP101FLOOR PLAN - F101FLOOR PLAN - F101FLOOR PLAN - F201ELECTRICAL DE | S<br>FLECTED CEILING I<br>ID FINISH LEGEND,<br>TAILS, DOOR SCHE<br>S<br>MECHANICAL<br>ETAILS, SCHEDULE<br>PLUMBING<br>AILS, SCHEDULES I<br>FIRE PROTECTION<br>ELECTRICAL | CODE PLAN<br>EDULE, ELEVATION<br>ES, NOTES AND<br>NOTES AND                                    | MIS<br>I have prepar<br>responsibility for the<br>for the project named the<br>Other drawings<br>above-mentioned project<br>firm appear on that she<br>The Architect is<br>the mechanical, elect<br>structural, signage (n<br>suppression systems;<br>the compliance of thes<br>governmental entities,<br>materials, component<br>method in which they<br>others. The Architect<br>certification, during con-<br>construction. The<br>improper operation du<br>failure during const<br>construction when oper<br>tenant.<br>The licensed pro- | and specifications attached for the ject have been by and are the censed engineer whose stamp and set.<br>a not responsible for the design of trical, plumbing, civil, landscaping, oit specified), fire spinkler or fire and does not take responsibility for se areas with the laws of the above. The architect is not responsible for so requipment, as well as the y are installed on the project by t is not hired or responsible for onstruction or upon completion of Architect is not responsible for up to faulty installation or product truction or after completion of oreation has begun by the landlord or set specifically noted above shall be terms in paragraph three. |
|                                       | SHE   |  | H01  |   |  |
|                                       | THORITY HAVING JURISDI  | 2018 INTERNATIO<br>2018 INTERNATIO<br>2018 INTERNATIO<br>2018 INTERNATIO<br>2018 INTERNATIO<br>2017 NATIONAL EL  | NAL BUILDING CODE<br>NAL FIRE CODE<br>NAL PLUMBING CODE<br>NAL MECH. CODE<br>NAL FUEL GAS CODE | SHEET TITLE   | HEFT   |
| 00                                    | NSTRUCTION TYPE:<br>CUPANCY TYPE:<br>LLY SPRINKLED:   | 5B<br>B BUSINESS<br>YES  |  |   |  |
| TE                                    | NANT AREA:<br>ITS REQUIRED: 2   | 1,387 SQUARE FEE<br>@ 150 SQ FT / OCO<br>= 10 OCCUPANTS  |  | PROJECT NUMBER<br>2020074.000   |  |
| EX<br>PLI                             | ITS REQUIRED: 2<br>ITS PROVIDED: 2<br>EASE REFER TO A19/N102<br>D CODE PLAN.  | FOR ADDITIONAL (   | CODE INFORMATION   | SHEET AUTHOR<br>KR<br>CHECKED BY<br>JM  | SET  |
| DE                                    | MOLITION HAS BEEN PERI<br>MBER PRDEM20204720, IS  |  |  | DATE<br>FEBRUARY 3, 2021  | PERMIT   |
|                                       |   |  |  | SHEET NUMBER  |  |
|                                       |   | RMATION  | A01  | Αυυ   |  |

|              | 36         35         34         33         32         31           SECTION 01 10 00 - SUMMARY           Project Name:         JORDANS CHIROPRATIC | 30       29       28       27       26       25         SECTION 01 70 00 - EXECUTION AND CLOSEOUT REQUIREMENTS         1. Verify that existing site conditions and substrate surfaces are acceptable         for outpersonne states are acceptable | 24     23     22     21     20     19       SECTION 01 78 00 - CLOSEOUT SUBMITTALS<br>PROJECT RECORD DOCUMENTS       1     Maintain on site one set of the following record documents: record actual | SECTION 06 10 00 - ROUGH CARPENTRY (continued)<br>6. Fire-Retardant Treated Wood: Mark each piece of wood with producer's   | SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK (continue<br>19.Plastic Laminate: Apply plastic laminate finish in full uninterrupted shee                                   |
|--------------|--|--|--|---|---|
| Z 2.         | Architect's Name: Rees Masilionis Turley Architecture, LLC.<br>The Project consists of typical interior office construction /                      | for subsequent work. Start of work means acceptance of existing<br>conditions.   | 1. Maintain on site one set of the following record documents; record actual revisions to the Work: Drawings. Addenda. Change Orders and other   | stamp indicating compliance with specified requirements. Kiln dry wood after treatment to a maximum moisture content of 19 percent for lumber                             | consistent with manufactured sizes. Fit corners and joints hairline; secu with concealed fasteners. Slightly bevel arises. Locate counter butt join                         |
|              | alteration.<br>Coordinate with Owner / Tenant on all items to be supplied and  | <ol><li>Verify that existing substrate is capable of structural support or<br/>attachment of new work being applied or attached.</li></ol>   | <ul><li>modifications to the Contract.</li><li>2. Ensure entries are complete and accurate, enabling future reference by</li></ul>   | <ul><li>and 15 percent for plywood. Treat rough carpentry items as indicated.</li><li>7. Fire Retardant Treatment: Interior Type A: AWPA U1, Use Category</li></ul>       | minimum 2 feet from sink cut-outs.<br>20.Provide cutouts for plumbing fixtures. Verify locations of cutouts from  |
|              | installed by Owner.  | 3. Examine and verify specific conditions described in individual specification sections.  | Owner.<br>3. Store record documents separate from documents used for construction.   | UCFA, Commodity Specification H, low temperature (low hygroscopic) type, chemically treated and pressure impregnated; capable of providing a                              | on-site dimensions. Prime paint cut edges.<br>21.Sand work smooth and set exposed nails and screws.   |
|              | Coordinate with Owner / Tenant on occupancy requirements during the construction period.   | 4. Take field measurements before confirming product orders or beginning   | <ol> <li>Record information concurrent with construction progress.</li> <li>Record Drawings : Legibly mark each item to record actual construction</li> </ol>  | maximum flame spread rating of 25 when tested in accordance with ASTM E84, with no evidence of significant combustion when test is  | 22.For opaque finishes, apply wood filler in exposed nail and screw indentations and sand smooth.   |
| 6.           | Coordinate with Owner / Tenant to minimize conflict and to facilitate building operations.   | <ul><li>fabrication, to minimize waste due to over-ordering or misfabrication.</li><li>5. Verify that utility services are available, of the correct characteristics, and</li></ul>  | including: Field changes of dimension and detail. Details not on original Contract drawings.   | extended for an additional 20 minutes.<br>8. Prevent exposure to precipitation during shipping, storage, or installation.   | 23.On items to receive transparent finishes, use wood filler matching or  |
|              | Coordinate with Owner / Tenant on Utility Outages and Shutdowns.<br>Provide access to and from spaces as required by law and by                    | in the correct locations.<br>6. Prior to Cutting: Examine existing conditions prior to commencing work,  | OPERATION AND MAINTENANCE DATA           1. For Each Product or System: List names, addresses and telephone  | 9. Provide lumber stamped with grade mark unless otherwise indicated.   | blending with surrounding surfaces and of types recommended for applie<br>finishes.   |
|              | Owner.   | including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting  | numbers of Subcontractors and suppliers, including local source of<br>supplies and replacement parts.  | <ul><li>10.Lumber fabricated from old growth timber is not permitted.</li><li>11.Select material sizes to minimize waste.</li></ul>                                       | 24.Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.   |
| 9.           | Keep all exits required by code open during construction period;<br>provide temporary exit signs if exit routes are temporarily altered.           | performance of work. Beginning of cutting or patching means acceptance of existing conditions.   | 2. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable   | 12. Reuse scrap to the greatest extent possible.  | 25.Use concealed joint fasteners to align and secure adjoining cabinet units 26.Carefully scribe casework abutting other components, with maximum                           |
| W 10         | D.Do not obstruct roadways, sidewalks, or other public ways without permit.  | PREPARATION  | information.<br>3. Drawings: Supplement product data to illustrate relations of component  | 13. Provide temporary ventilation during and immediately after installation of treated wood sufficient to remove indoor air contaminants.                                 | gaps of 1/32 inch. Do not use additional overlay trim for this purpose.<br>27.Secure cabinets to floor using appropriate angles and anchorages.                             |
| _            | SECTION 01 20 00 - PRICE AND PAYMENT PROCEDURES  | <ol> <li>Clean substrate surfaces prior to applying next material or substance.</li> <li>Seal cracks or openings of substrate prior to applying next material or</li> </ol>  | parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.  | 14.Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.   | 28. Adjust moving or operating parts to function smoothly and correctly.  |
| 1.           | Coordinate requirements with Owner / Tenant on all pricing and   | substance.<br>3. Apply manufacturer required or recommended substrate primer, sealer, or   | 4. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's   | 15. In walls, provide blocking attached to studs as backing and support for wall-mounted items, unless item can be securely fastened to two or more                       |   |
| V            | payment procedures.  | conditioner prior to applying any new material or substance in contact or bond.  | instructions.<br>OPERATION AND MAINTENANCE DATA  | studs or other method of support is explicitly indicated.   | SECTION 07 84 00 - FIRESTOPPING 1. Comply with firestopping manufacturer's recommendations for  |
|              | SECTION 01 30 00 - ADMINISTRATIVE REQUIREMENTS<br>Coordinate requirements with Owner / Tenant for progress meetings,                               | GENERAL INSTALLATION REQUIREMENTS  | FOR MATERIALS AND FINISHES 1. Instructions for Care and Maintenance: Manufacturer's recommendations  | 16. Where ceiling-mounting is indicated, provide blocking and supplementary supports above ceiling, unless other method of support is explicitly indicated.               | <ul><li>temperature and conditions during and after installation.</li><li>2. Firestopping: Any material meeting requirements.</li></ul>                                     |
| '            | construction schedules, shop drawings and submittals.  | <ol> <li>Install products as specified in individual sections, in accordance with<br/>manufacturer's instructions and recommendations, and so as to avoid</li> </ol>   | for cleaning agents and methods, precautions against detrimental   | indicated.<br>17.Communications and Electrical Room Mounting Boards: Secure with  | <ol> <li>Fire Ratings: See Drawings for required systems and ratings.</li> <li>Clean substrate surfaces of dirt, dust, grease, oil, loose material, or other</li> </ol>     |
| U            | SECTION 01 40 00 - QUALITY REQUIREMENTS  | waste due to necessity for replacement.<br>2. Make vertical elements plumb and horizontal elements level, unless   | cleaning agents and methods, and recommended schedule for cleaning and maintenance.  | screws to studs with edges over firm bearing; space fasteners at maximum 24 inches on center on all edges and into studs in field of board.                               | matter that could adversely affect bond of firestopping material.   |
| 1.           | For products and workmanship specified by reference to a document or documents not included in these specifications, also                          | otherwise indicated.<br>3. Install equipment and fittings plumb and level, neatly aligned with adjacent  | OPERATION AND MAINTENANCE MANUALS 1. Prepare instructions and data by personnel experienced in maintenance   | At fire-rated walls, install board over wall board indicated as part of the fire-rated assembly. Where boards are indicated as full floor-to-ceiling                      | <ul><li>5. Remove incompatible materials that could adversely affect bond.</li><li>6. Install materials in manner described in fire test report and in accordance</li></ul> |
| -            | referred to as reference standards, comply with requirements of the standard, except when more rigid requirements are specified or are             | vertical and horizontal lines, unless otherwise indicated.   | <ul><li>and operation of described products.</li><li>2. Prepare data in the form of an instructional manual.</li></ul>   | height, install with long edge of board parallel to studs. Install adjacent boards without gaps.  | <ul><li>with manufacturer's instructions, completely closing openings.</li><li>7. Do not cover installed firestopping until inspected by authority having</li></ul>         |
|              | required by applicable codes.  | <ol> <li>Make consistent texture on surfaces, with seamless transitions, unless<br/>otherwise indicated.</li> </ol>  | <ul><li>WARRANTIES AND BONDS</li><li>1. Obtain warranties and bonds, executed in duplicate by responsible</li></ul>  | 18. Framing Member Tolerances: 1/4 inch from true position, maximum.  | jurisdiction.   |
| 2.           | Conform to reference standard of date of issue current on date of<br>Contract Documents, except where a specific date is established by            | 5. Make neat transitions between different surfaces, maintaining texture and appearance.   | Subcontractors, suppliers, and manufacturers, within 10 days after completion of the applicable item of work. Except for items put into use  | 19. Variation from Plane (Other than Floors): 1/4 inch in 10 feet maximum, and 1/4 inch in 30 feet maximum.   | <ol> <li>8. Install labeling required by code.</li> <li>9. Clean adjacent surfaces of firestopping materials.</li> </ol>  |
| <u>s</u> 3.  | applicable code.<br>Should specified reference standards conflict with Contract  | ALTERATIONS  | with Owner's permission, leave date of beginning of time of warranty until<br>the Date of Substantial completion is determined.  | SECTION 06 20 00 - FINISH CARPENTRY   | 10. Protect adjacent surfaces from damage by material installation.   |
| Ŭ            | Documents, request clarification from Architect before proceeding.<br>Neither the contractual relationships, duties, or responsibilities of        | <ol> <li>Adapt existing work to fit new work: Make as neat and smooth transition<br/>as possible.</li> </ol>   | <ol> <li>Verify that documents are in proper form, contain full information, and are<br/>notarized.</li> </ol>   | 1. Softwood Lumber: As indicated on Drawings, maximum moisture content of 6 percent; with vertical grain, of quality suitable for transparent finish.                     | SECTION 07 90 05 - JOINT SEALERS 1. General Purpose Interior Sealant for interior wall and ceiling control joints   |
| <b>4</b> .   | the parties in Contract nor those of Architect shall be altered from<br>the Contract Documents by mention or inference otherwise in any            | 2. Patching: Where the existing surface is not indicated to be refinished, patch to match the surface finish that existed prior to cutting. Where the  | <ol> <li>Co-execute submittals when required.</li> <li>Retain warranties and bonds until time specified for submittal.</li> </ol>  | 2. Hardwood Lumber: As indicated on Drawings, maximum moisture content of 6 percent ; with vertical grain, of quality suitable for transparent                            | joints between door and window frames and wall surfaces, and other interior joints for which no other type or sealant is indicated: Acrylic                                 |
| R            | reference document.  | surface is indicated to be refinished, patch so that the substrate is ready for the new finish.  | SECTION 02 41 19 - SELECTIVE STRUCTURE DEMOLITION  | <ul><li>finish.</li><li>3. Softwood Plywood Not Exposed to View: Any face species, veneer core;</li></ul>   | emulsion latex; ASTM C834, Type OP, Grade NF single component, paintable.   |
| _ 5.         | Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of                    | <ol> <li>Where rooms or spaces are indicated to be refinished, refinish all visible<br/>existing surfaces to remain to the specified condition for each material,</li> </ol>   | 1. Comply with applicable codes and regulations for demolition operations  | PS 1 Grade A-B; glue type as recommended for application.   | <ol> <li>Bathtub/Tile Sealant for joints between plumbing fixtures and floor and<br/>wall surfaces and joints between kitchen and bath countertops and wall</li> </ol>      |
| 6.           | specified quality.<br>Comply with manufacturers' instructions, including each step in  | with a neat transition to adjacent finishes.   | <ul><li>and safety of adjacent structures and the public.</li><li>2. Obtain required permits.</li></ul>  | 4. Softwood Plywood Exposed to View: Face species as indicated, plain sawn, medium density fiberboard core; glue type as recommended for                                  | surfaces.: White silicone; ASTM C920, Uses I, M and A; single   |
|              | sequence.<br>Should manufacturers' instructions conflict with Contract   | <ul><li>4. Clean existing systems and equipment.</li><li>5. Do not begin new construction in alterations areas before demolition is</li></ul>  | <ol> <li>Comply with applicable requirements of NFPA 241.</li> <li>Provide, erect, and maintain temporary barriers and security devices.</li> </ol>  | <ul><li>application.</li><li>5. Hardwood Plywood: Face species as indicated, plain sawn, book</li></ul>   | <ul><li>component, mildew resistant.</li><li>3. Acoustical Sealant bead between top stud runner and structure and</li></ul>   |
| -  '.        | Documents, request clarification from Architect before proceeding.   | complete.  | 5. Conduct operations to minimize effects on and interference with adjacent  | matched, medium density fiberboard core; glue type as recommended for application.  | between bottom stud track and floor: Permanently tacky non-hardening butyl sealant.   |
| 8.           | Comply with specified standards as minimum quality for the Work except where more stringent tolerances, codes, or specified                        | 1. Whenever possible, execute the work by methods that avoid cutting or  | <ul><li>spaces, structures and occupants.</li><li>6. Do not close or obstruct roadways or sidewalks without permit.</li></ul>  | <ol> <li>6. Particleboard: ANSI A208.1; composed of wood chips, sawdust, or flakes<br/>of medium density, made with waterproof resin binders; of grade to suit</li> </ol> | 4. Interior Floor Joint Sealant for use at expansion joints in floors:<br>Polyurethane, self-leveling; ASTM C920, Grade P, Class 25, Uses T, M                              |
| Р            | requirements indicate higher standards or more precise workmanship.  | patching.<br>2. Execute work by methods that avoid damage to other work and that will  | 7. Conduct operations to minimize obstruction of public and private entrances and exits; do not obstruct required exits at any time; protect   | application; sanded faces.  | <ul> <li>and A; single component.</li> <li>5. Sealants and Primers - General: Provide only products having lower</li> </ul>   |
| 9.           | Have Work performed by persons qualified to produce required and specified quality.  | provide appropriate surfaces to receive patching and finishing. In existing work, minimize damage and restore to specified condition.  | persons using entrances and exits from removal operations.   | <ol> <li>Hardboard: AHA A135.4; Pressed wood fiber with resin binder, Class 1 -<br/>Tempered, 1/4 inch thick, smooth one side (S1S).</li> </ol>                           | volatile organic compound (VOC) content than required by South Coast  |
| 10           | . Verify that field measurements are as indicated on shop drawings or  | 3. Employ skilled and experienced installer to perform cutting for weather exposed and moisture resistant elements, and sight exposed surfaces.  | <ol> <li>8. Do not begin removal until receipt of notification to proceed from Owner.</li> <li>9. Protect existing structures and other elements that are not to be removed.</li> </ol>              | <ol> <li>8. Protect work from moisture damage.</li> <li>9. Quality Grade: Unless otherwise indicated provide products of quality</li> </ol>                               | <ul><li>Air Quality Management District Rule No.1168.</li><li>6. Sealant colors to be selected by Architect from manufacturer's standard</li></ul>                          |
| N 1          | as instructed by the manufacturer.<br>Secure products in place with positive anchorage devices designed  | 4. Cut rigid materials using masonry saw or core drill. Pneumatic tools not  | <ul><li>10.Provide bracing and shoring.</li><li>11.Prevent movement or settlement of adjacent structures.</li></ul>  | specified by AWI//AWMAC/WI Architectural Woodwork Standards for Premium Grade.  | range.<br>7. Maintain temperature and humidity recommended by the sealant   |
|              | and sized to withstand stresses, vibration, physical distortion, and disfigurement.  | allowed without prior approval.<br>5. Restore work with new products in accordance with requirements of  | 12. Stop work immediately if adjacent structures appear to be in danger.   | <ul> <li>10. Surface Burning Characteristics: Provide materials having fire and smoke properties as required by authority having jurisdiction.</li> </ul>                 | manufacturer during and after installation.<br>8. Perform work in accordance with sealant manufacturer's requirements for   |
| M 12         | 2. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.          | Contract Documents.<br>6. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations   | 13.If hazardous materials are discovered during removal operations, stop work and notify Architect and Owner.  | 11. Wood fabricated from old growth timber is not permitted.  | <ul> <li>preparation of surfaces and material installation instructions.</li> <li>9. Perform installation in accordance with ASTM C1193.</li> </ul>                         |
| 1:           | B. Comply with manufacturers' tolerances. Should manufacturers'<br>tolerances conflict with Contract Documents, request clarification              | <ul><li>through surfaces.</li><li>7. At penetrations of fire rated walls, partitions, ceiling, or floor construction,</li></ul>  | 14.Perform demolition in a manner that maximizes salvage and recycling of materials.   | 12. Shop assemble work for delivery to site, permitting passage through building openings.  | 10.Perform acoustical sealant application work in accordance with ASTM  |
| _            | from Architect before proceeding.  | completely seal voids with fire rated material in accordance with Section 07 84 00, to full thickness of the penetrated element.   | 15. Drawings showing existing construction and utilities are based on casual field observation and existing record documents only. Verify that   | 13. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.                                | C919.<br>11.Measure joint dimensions and size joint backers to achieve width-to-dept  |
| L            | <ul> <li>Adjust products to appropriate dimensions; position before securing<br/>products in place.</li> </ul>                                     | 8. Finish patched surfaces to match finish that existed prior to patching. On  | construction and utility arrangements are as shown. Report discrepancies to Architect before disturbing existing installation.   | 14. Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed                 | ratio, neck dimension, and surface bond area as recommended by manufacturer.  |
| _ 1          | 5.Replace Work or portions of the Work not conforming to specified requirements.   | continuous surfaces, refinish to nearest intersection or natural break. For<br>an assembly, refinish entire unit. Match color, texture, and appearance.  | 16. Beginning of demolition work constitutes acceptance of existing conditions   | fasteners. Slightly bevel arises. Locate counter butt joints minimum 2<br>feet from sink cut-outs.  | <ul><li>12.Install bond breaker where joint backing is not used.</li><li>13.Install sealant free of air pockets, foreign embedded matter, ridges, and</li></ul>             |
| 10           | 5.If, in the opinion of the Owner or Architect, it is not practical to remove and replace the Work, the Owner or Architect will direct an          | 9. Repair patched surfaces that are damaged, lifted, discolored, or showing other imperfections due to patching work. If defects are due to condition  | that would be apparent upon examination prior to starting demolition.<br>17. Maintain weatherproof exterior building enclosure except for interruptions  | 15.Install work in accordance with AWI/AWMAC/WI Architectural Woodwork  | sags.<br>14. Apply sealant within recommended application temperature ranges.   |
| К            | appropriate remedy or adjust payment.  | of substrate, repair substrate prior to repairing finish. PROGRESS CLEANING  | required for replacement or modifications; take care to prevent water and humidity damage.   | Standards requirements for grade indicated.<br>16. Set and secure materials and components in place, plumb and level.   | Consult manufacturer when sealant cannot be applied within these  |
|              | SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS   | 1. Maintain areas free of waste materials, debris, and rubbish. Maintain site  | <ul> <li>18.Remove existing work as indicated and as required to accomplish new work.</li> </ul>   | 17. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.                           | temperature ranges.<br>15. Tool joints concave.   |
| 1.           | Coordinate requirements and restrictions with Owner / Tenant on all temporary utilities, facilities, barriers and enclosures as well as            | in a clean and orderly condition.<br>2. Remove debris and rubbish from pipe chases, plenums, attics, crawl   | 19. Remove existing systems and equipment as indicated.  | 18. Maximum Variation from True Position: 1/16 inch.<br>19. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.  | 16.Protect sealants until cured.  |
| J            | security, vehicle access, parking, waste removal and project signs.  | <ul><li>spaces, and other closed or remote spaces, prior to enclosing the space.</li><li>Broom and vacuum clean interior areas prior to start of surface finishing,</li></ul>  | 20.Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components.  | SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK  |   |
|              | SECTION 01 60 00 - PRODUCT REQUIREMENTS  | <ul><li>and continue cleaning to eliminate dust.</li><li>4. Collect and remove waste materials, debris, and trash/rubbish from site</li></ul>  | 21. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new   | 1. Quality Grade: Unless otherwise indicated provide products of quality  |   |
| 1.           | Product Data Submittals: Submit manufacturer's standard published data. Mark each copy to identify applicable products, models,                    | periodically and dispose off-site; do not burn or bury.  | <ul><li>systems are complete and ready for service.</li><li>22. Verify that abandoned services serve only abandoned facilities before</li></ul>  | specified by AWI//AWMAC/WI Architectural Woodwork Standards for<br>Premium Grade.   |   |
|              | options, and other data. Supplement manufacturers' standard data to provide information specific to this Project.                                  | PROTECTION OF INSTALLED WORK 1. Protect installed work from damage by construction operations.   | removal.   | <ol> <li>Wood Veneer Faced Cabinets: Premium grade.</li> <li>Plastic Laminate Faced Cabinets: Custom grade.</li> </ol>  |   |
| 2.           | Shop Drawing Submittals: Prepared specifically for this Project; indicate utility and electrical characteristics, utility connection               | 2. Provide special protection where specified in individual specification sections.  | 23.Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings; remove back to source of supply where   | <ol> <li>4. Protect units from moisture damage.</li> <li>5. During and after installation of custom cabinets, maintain temperature and</li> </ol>                         |   |
| G            | requirements, and location of utility outlets for service for functional equipment and appliances.   | <ol> <li>Provide temporary and removable protection for installed products.<br/>Control activity in immediate work area to prevent damage.</li> </ol>  | possible, otherwise cap stub and tag with identification.<br>24.Protect existing work to remain.   | humidity conditions in building spaces at same levels planned for occupancy.  |   |
| 3.           | Sample Submittals: Illustrate functional and aesthetic   | 4. Provide protective coverings at walls, projections, jambs, sills, and soffits   | 25.Prevent movement of structure; provide shoring and bracing if necessary.  | 6. Wood fabricated from old growth timber is not permitted.   |   |
|              | characteristics of the product, with integral parts and attachment<br>devices. Coordinate sample submittals for interfacing work.                  | of openings.<br>5. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear,   | 26.Perform cutting to accomplish removals neatly and as specified for cutting new work.  | <ol> <li>Adhesive: Type recommended by fabricator to suit application.</li> <li>Grommets: Standard plastic grommets for cut-outs, in color as indicated.</li> </ol>       |   |
| F <b>4</b> . | For selection from standard finishes, submit samples of the full range of the manufacturer's standard colors, textures, and patterns.              | damage, or movement of heavy objects, by protecting with durable sheet materials.  | 27.Repair adjacent construction and finishes damaged during removal work.<br>28.Patch as specified for patching new work.  | <ol> <li>9. Hardware: BHMA A156.9, types as indicated for quality grade specified.</li> <li>10. Adjustable Shelf Supports: Standard side-mounted system using</li> </ol>  |   |
| <b>-</b> 5.  | Provide new products unless specifically required or permitted by the Contract Documents.  | <ol> <li>Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic<br/>or activity is necessary, obtain recommendations for protection from</li> </ol>  | 29.Remove debris, junk, and trash from site.   | recessed metal shelf standards or multiple holes for pin supports and   |   |
| 6.           | Where all other criteria are met, Contractor shall give preference to  | waterproofing or roofing material manufacturer.  | 30.Leave site in clean condition, ready for subsequent work.   | coordinated self rests, polished chrome finish, for nominal 1 inch spacing adjustments.   |   |
| E            | products that are extracted, harvested, and/or manufactured closest<br>to the location of the project, have longer documented life span            | <ol> <li>Remove protective coverings when no longer needed; reuse or recycle<br/>plastic coverings if possible.</li> </ol>   | SECTION 06 10 00 - ROUGH CARPENTRY   | 11.Drawer and Door Pulls: "U" shaped wire pull, steel with chrome finish, 4 inch centers, unless otherwise indicated on Drawings.   |   |
| $\neg$       | under normal use, result in less construction waste, and are made of vegetable materials that are rapidly renewable.                               | <b>ADJUSTING</b><br>1. Adjust operating products and equipment to ensure smooth and  | 1. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies. If no species is specified, provide any species graded  | 12. Cabinet Locks: Keyed cylinder, two keys per lock, master keyed, steel with chrome finish, unless otherwise indicated on Drawings.                                     |   |
| 7.           | Products Specified by Reference Standards or by Description Only:<br>Use any product meeting those standards or description.                       | unhindered operation.  | by any grading agency whose rules are approved by the Board of Review,<br>American Lumber Standard Committee and who provides grading service  | 13. Catches: Magnetic.  |   |
| D 8.         | Products Specified by Naming One or More Manufacturers: Use a product of one of the manufacturers named and meeting                                | FINAL CLEANING AND CLOSEOUT PROCEDURES 1. Use cleaning materials that are nonhazardous.  | <ul><li>for the species and grade.</li><li>2. Dimension Lumber for Concealed Applications: Nominal sizes as</li></ul>  | 14. Drawer Slides: Full extension, Static load capacity as required by drawer size, side mounted, steel with polished finish.   |   |
| ٦.           | specifications, no options or substitutions allowed.   | 2. Clean glass, surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum   | indicated on Drawings, S4S. Moisture Content: S-dry or MC19.   | 15. Hinges: European style concealed self-closing type, steel with polished finish, unless otherwise indicated on Drawings.   |   |
| ~            | Furnish extra materials, spare parts, tools, and software of types and in quantities specified in individual specification sections.               | carpeted and soft surfaces.  | 3. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring: S4S, No. 2 or Standard Grade Lumber. Standard or No. 3 Boards.  | 16. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.  |   |
| 10           | Coordinate schedule of product delivery to designated prepared areas in order to minimize site storage time and potential damage to                | 3. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or nameplates on mechanical and electrical   | 4. Communications and Electrical Room Mounting Boards: PS 1 A-D plywood, or medium density fiberboard; 3/4 inch thick; flame spread index  | 17.Edging: Fit shelves, doors, and exposed edges with specified edging. Do  |   |
|              | stored materials.  | equipment.<br>4. Clean equipment and fixtures to a sanitary condition with cleaning  | of 25 or less, smoke developed index of 450 or less, when tested in accordance with ASTM E84.  | not use more than one piece for any single length.<br>18.Fitting: When necessary to cut and fit on site, provide materials with   |   |
| в            | Transport and handle products in accordance with manufacturer's instructions.  | <ul> <li>materials appropriate to the surface and material being cleaned.</li> <li>5. Clean filters of operating equipment.</li> </ul>   | 5. Treated Lumber and Plywood: Comply with requirements of AWPA U1 -   | ample allowance for cutting. Provide matching trim for scribing and site cutting.   |   |
| ິ   12       | Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage.  | 6. Remove waste, surplus materials, and trash/rubbish; dispose of in legal   | Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.  |   |   |
| _            | - 1  | manner.  |  |   | 1   |
| _            | 8. Arrange for the return of packing materials, such as wood pallets, where economically feasible.   | <ol> <li>Coordinate with Owner / Tenant on project closeout procedures.</li> </ol>   |  |   |   |

- ull uninterrupted s nd joints hairline; ocate counter butt ons of cutouts from
- ews.
- nail and screw
- d filler matching or ecommended for a
- g that they are rigio
- adjoining cabinet ι ents, with maximum rim for this purpos

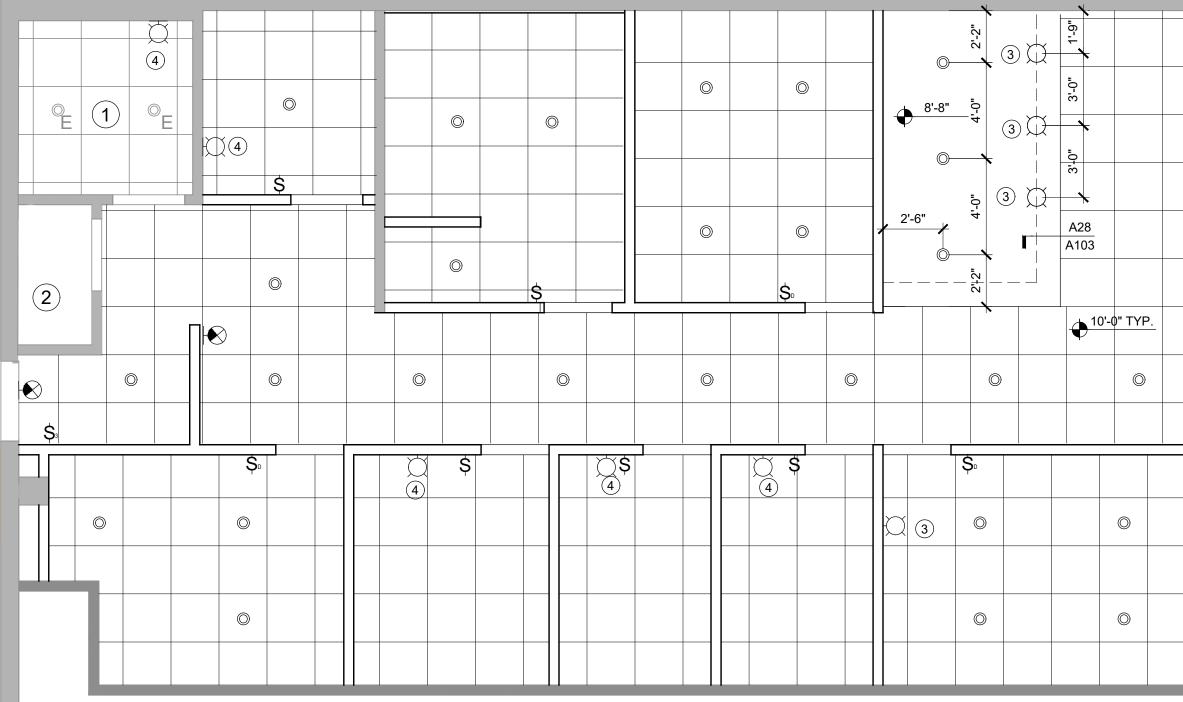
|  |   |   | DEVELOPMENT SERV<br>LEE'S SUMMIT, MISSO  |
|--|---|---|--|
| 08 07<br>SEWORK (continued)  | 06         05         04         03         02         01           SECTION 08 14 16 - FLUSH WOOD DOORS   |   | 02/12/2021   |
| uninterrupted sheets<br>joints hairline; secure<br>ate counter butt joints | <ol> <li>Wood Veneer Faced Door Manufacturers: Graham Wood Doors, Eggers<br/>Industries or equal, unless otherwise indicated on Drawings.</li> <li>All Doors: Premium Grade Quality Level, in accordance with</li> </ol>            | Persp   | VECTIVE  |
| s of cutouts from  | <ul> <li>AWI/AWMAC/WI Architectural Woodwork Standards. 5-ply or 7-ply Wood Veneer Faced Doors, unless otherwise indicated on Drawings.</li> <li>3. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush</li> </ul> |   |  |
| s.<br>and screw  | <ul><li>construction. Provide solid core doors at all locations .</li><li>4. Fire Rated Doors: Tested to ratings indicated on drawings in accordance</li></ul>  |   |  |
| ller matching or<br>mmended for applied                                    | <ul> <li>with jurisdiction having authority; UL or WH (ITS) labeled without any visible seals when door is open.</li> <li>5. Sound Retardant Doors: Minimum STC as indicated on drawings,</li> </ul>                                |   |  |
| at they are rigid,   | calculated in accordance with ASTM E413, tested in accordance with ASTM E1408.  | 2000 SHAWNEE MIS<br>SUITE 100<br>MISSION WOODS, K                                     |  |
| oining cabinet units.  | <ol> <li>Non-Rated Solid Core and 20 Minute Rated Doors: Particleboard core,<br/>Type PC, plies and faces as indicated on Drawings.</li> </ol>  | 816 502 1500  | 5 00205  |
| , with maximum<br>for this purpose.  | 7. Fire Rated Doors: Mineral core, Type FD, plies and faces as indicated on Drawings; with core blocking as required to provide adequate anchorage of hardware without through-bolting.   | WWW.PAD.STUDIO  |  |
| l anchorages.<br>and correctly.  | <ol> <li>8. Sound Retardant Doors: Equivalent to Type PC construction with core as required to achieve rating specified; plies and faces as indicated on</li> </ol>   |   |  |
|  | Drawings.<br>9. Wood Veneer Facing for Transparent Finish: As indicated on Drawings.  |   | LEY ARCHITECTURE, LLC<br>E OF AUTHORITY # 00918  |
| lations for<br>ion.  | 10. Hardboard Facing for Opaque Finish: AHA A135.4, Class 1 - Tempered,<br>S2S (smooth two sides) hardboard, composition face, 1/8 inch thick.  | - 412 E E F & GF 7 (2)  | 180.   |
| d ratings.<br>ose material, or other                                       | <ul> <li>11.Package, deliver and store doors in accordance with specified quality standard.</li> <li>12.Protect doors with resilient packaging sealed with heat shrunk plastic. Do</li> </ul>                                       | MATHEN OF MIS   |  |
| g material.<br>affect bond.  | not store in damp or wet areas; or in areas where sunlight might bleach<br>veneer. Seal top and bottom edges with tinted sealer if stored more than   | MASLICH<br>A.COM  |  |
| rt and in accordance<br>openings.  | one week. Break seal on site to permit ventilation.<br>13.Provide manufacturer's warranty for the life of the installation.   | The Barrier States  | 203,2821   |
| authority having   | 14. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.   |   | -  |
| nstallation.   | 15.Fabricate doors in accordance with door quality standard specified.<br>16.Factory machine doors for hardware other than surface-mounted  |   | IONIS - ARCHITECT<br>RI # A-6005   |
|  | hardware, in accordance with hardware requirements and dimensions.<br>17. Provide edge clearances in accordance with the quality standard   | responsibility for the sheets<br>for the project named below                          |  |
| ceiling control joints,<br>faces, and other<br>icated: Acrylic             | specified.<br>18.Install doors in accordance with manufacturer's instructions and specified<br>quality standard. Install fire-rated doors in accordance with NFPA 80  | Other drawings and above-mentioned project  | specifications attached for the<br>have been by and are the<br>d engineer whose stamp and  |
| gle component,   | requirements.<br>19.Use machine tools to cut or drill for hardware.   | The Architect is not<br>the mechanical, electrical,<br>structural, signage (not sp    | responsible for the design of<br>plumbing, civil, landscaping,<br>pecified), fire sprinkler or fire<br>toes not take responsibility for                            |
| res and floor and<br>untertops and wall<br>t A: single                     | 20.Coordinate installation of doors with installation of frames and hardware.<br>SECTION 08 31 00 - ACCESS DOORS AND PANELS   | the compliance of these are<br>governmental entities. The<br>materials, components or | loes not take responsibility for<br>eas with the laws of the above<br>architect is not responsible for<br>equipment, as well as the<br>installed as the project bu |
| d A; single<br>d structure and   | <ol> <li>Manufacturers: Acudor Products Inc, Milcor, or equal.</li> <li>Door and Frame Units: Steel factory fabricated, fully assembled units with</li> </ol>   | method in which they are<br>others. The Architect is<br>certification, during constru | installed on the project by<br>not hired or responsible for<br>action or upon completion of<br>tect is not responsible for   |
| cky non-hardening  | corner joints welded, filled, and ground flush; square and without rack or warp; coordinate requirements with assemblies units are to be installed in.  | improper operation due to<br>failure during construction                              | faulty installation or product<br>on or after completion of<br>thas begun by the landlord or   |
| s in floors:<br>ass 25, Uses T, M  | <ol> <li>Verify that rough openings are correctly sized and located.</li> <li>Install units in accordance with manufacturer's instructions.</li> <li>Install frames plumb and level in openings. Secure rigidly in place</li> </ol> | The licensed profess  | onal whose stamp appears on<br>ecifically noted above shall be<br>in paragraph three.  |
| cts having lower<br>ed by South Coast                                      | <ol> <li>Install frames plumb and level in openings. Secure rigidly in place.</li> <li>Position units to provide convenient access to the concealed work<br/>requiring access.</li> </ol>   |   |  |
| facturer's standard  | SECTION 08 71 00 - DOOR HARDWARE  | PROJECT   |  |
| the sealant  | <ol> <li>Coordinate the manufacture, fabrication, and installation of products onto<br/>which door hardware will be installed.</li> </ol>   | JORDAN'S<br>CHIROPR   |  |
| er's requirements for uctions.   | 2. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.  | CHIKUPK   | AIIC   |
| lance with ASTM  | <ol> <li>Convey Owner's keying requirements to manufacturers.</li> <li>Provide all hardware specified or required to make doors fully functional,</li> </ol>  |   |  |
| chieve width-to-depth<br>ommended by                                       | <ul><li>compliant with applicable codes, and secure to the extent indicated.</li><li>5. Provide all items of a single type of the same model by the same manufacturer.</li></ul>  | SUMMIT CREST PLAZA<br>3552 SW MARKET STREET<br>LEE'S SUMMIT, MO 64082                 |  |
|  | <ul> <li>6. Provide products that comply with the following:</li> <li>Applicable provisions of federal, state, and local codes.</li> </ul>  |   |  |
| matter, ridges, and  | ANSI/ICC A117.1, American National Standard for Accessible and Usable Buildings and Facilities.   | MARK DATE D   | ESCRIPTION   |
| erature ranges.<br>ed within these   | Applicable provisions of NFPA 101, Life Safety Code.<br>Fire-Rated Doors: NFPA 80.  |   |  |
|  | All Hardware on Fire-Rated Doors : Listed and classified by UL as suitable for the purpose specified and indicated.<br>Hardware for Smoke and Draft Control Doors: Provide hardware that  |   |  |
|  | enables door assembly to comply with air leakage requirements of the applicable code.   |   |  |
|  | Products Requiring Electrical Connection: Listed and classified by UL as suitable for the purpose specified and indicated.  |   |  |
|  | 7. Electrically Operated and/or Controlled Hardware: Provide all power supplies, power transfer hinges, relays, and interfaces required for proper operation; provide wiring between hardware and control components and            |   |  |
|  | to building power connection.   |   |  |
|  |   |   |  |
|  |   |   |  |
|  |   |   |  |
|  |   | SPECIFICA   | TIONS  |
|  |   |   |  |
|  |   |   | :  |
|  |   | PROJECT NUMBER<br>2020074.000   |  |
|  |   | SHEET AUTHOR<br>KR  | <u>F</u>   |
|  |   | CHECKED BY<br>JM  | SE<br>-  |
|  |   | DATE<br>FEBRUARY 3, 2021  |  |
|  |   | FEBRUARY 3, 2021  | ERMIT  |
|  |   |   | <b>T</b>   |
|  |   | SHEET NUMBER  |  |
|  |   | A01   |  |

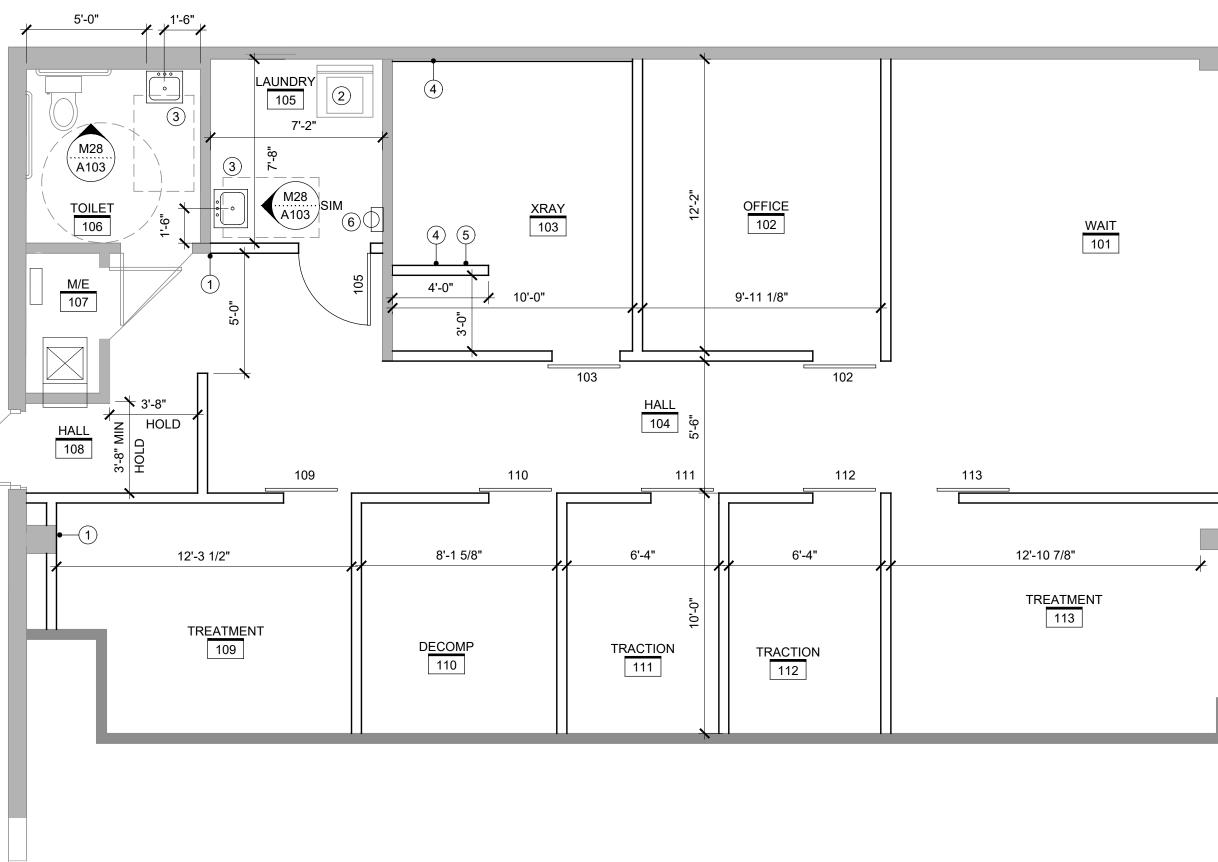
| 36 35 34 33 32 31  | 30 29 28 27 26 25  | 24 23 22 21 20 19   | 18 17 16 15 14 13  | 12 11 10 09 08   |
|--|--|---|--|--|
| <ul> <li>SECTION 08 71 00 - DOOR HARDWARE (continued)</li> <li>8. Verify that doors and frames are ready to receive work; labeled, fire-rated</li> </ul>                             | <ul> <li>SECTION 09 21 16 - GYPSUM BOARD ASSEMBLIES</li> <li>1. Provide completed assemblies complying with ASTM C840 and GA-216.</li> </ul>             | SECTION 09 21 16 - GYPSUM BOARD ASSEMBLIES (continued)<br>33.Fire-Rated Construction: Install gypsum board in strict compliance with                      | SECTION 09 51 00 - ACOUSTICAL CEILINGS (continued)<br>14. Support fixture loads using supplementary hangers located within 6   | SECTION 09 90 00 - PAINTING AND COATING<br>1. Scope: Finish all interior and exterior surfaces exposed to view, unles  |
| doors and frames are present and properly installed, and dimensions are  | 2. Interior Partitions Indicated as Sound-Rated: STC as indicated calculated in accordance with ASTM E413, based on tests conducted in accordance        | requirements of assembly listing.<br>34.Installation on Metal Framing: Use screws for attachment of all gypsum  | inches of each corner, or support components independently.  | fully factory-finished and unless otherwise indicated.   |
| <ul> <li>as instructed by the manufacturer.</li> <li>9. Verify that electric power is available to power operated devices and of</li> </ul>  | with ASTM E90.   | board .   | <ul><li>15. Do not eccentrically load system or induce rotation of runners.</li><li>16. Perimeter Molding: Install at intersection of ceiling and vertical surfaces</li></ul>          | 2. Mechanical and Electrical: In finished areas, paint all insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers   |
| the correct characteristics.   | 3. Fire Rated Assemblies: Comply with applicable requirements of ICC IBC or GA-600 for the particular assembly. Provide construction equivalent to       | 35.Curved Surfaces: Apply gypsum board to curved substrates in accordance with GA-226.  | and at junctions with other interruptions.   | brackets, collars and supports, mechanical equipment, and electrical equipment, unless otherwise indicated on Drawings.  |
| 10. Install hardware in accordance with manufacturer's instructions and applicable codes.  | that listed for the particular assembly in the current UL Fire Resistance Directory.   | 36.Moisture Protection: Treat cut edges and holes in moisture resistant<br>avpsum board with sealant.   | <ul><li>17. Use longest practical lengths.</li><li>18. Overlap and rivet corners.</li></ul>  | 3. Do Not Paint or Finish the Following Items: Items fully factory-finished  |
| <ul> <li><sup>Y</sup> 11. Use templates provided by hardware item manufacturer.</li> <li>12. Do not install surface resulted items with finishes emplied to substants are</li> </ul> | 4. Manufacturers - Metal Framing, Connectors, and Accessories:   | 37.Control Joints: Place control joints not more than 30 feet apart on walls  | 19. Install acoustical units in accordance with manufacturer's instructions.   | unless specifically so indicated; materials and products having factory-applied primers are not considered factory finished. Items   |
| <ul> <li>12.Do not install surface mounted items until finishes applied to substrate are<br/>complete.</li> </ul>  | ClarkDietrich, Scafco, or equal.<br>5. Non-Loadbearing Framing System Components: ASTM C645; galvanized  | and ceilings over 50 feet long, unless otherwise indicated on Drawings:<br>38.Corner Beads: Install at external corners, using longest practical lengths. | 20. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.  | indicated to receive other finishes. Items indicated to remain unfinishe   |
| 13. Install hardware on fire-rated doors and frames in accordance with code and NFPA 80.   | sheet steel, of size and properties necessary to comply with ASTM C754   | 39. Finish gypsum board in accordance with levels defined in ASTM C840.   | 21. Fit border trim neatly against abutting surfaces.  | Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment. Floors, unless specifically so indicated.   |
| X 14.Mounting heights for hardware from finished floor to center line of   | for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf.  | 40.Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.   | <ul><li>22. Install units after above-ceiling work is complete.</li><li>23. Install acoustical units level, in uniform plane, and free from twist, warp,</li></ul>                     | Ceramic and other tiles. Glass. Acoustical materials, unless specifica so indicated. Concealed pipes, ducts, and conduits.   |
| <ul> <li>hardware item:</li> <li>For steel doors and frames: Comply with DHI "Recommended Locations</li> </ul>   | <ul><li>6. Studs: "C" shaped with flat or formed webs .</li><li>7. Runners: U shaped, sized to match studs.</li></ul>                                    | 41.Level 5: Walls and ceilings to receive semi-gloss or gloss paint finish and other areas specifically indicated.  | and dents.   | <ol> <li>Deliver products to site in sealed and labeled containers; inspect to ver</li> </ol>  |
| for Architectural Hardware for Steel Doors and Frames."  | 8. Ceiling Channels: C shaped.   | 42.Level 2: In utility areas, behind cabinetry, and on backing board to   | 24. Cutting Acoustical Units: Make field cut edges of same profile as factory edges.   | acceptability.<br>5. Container Label: Include manufacturer's name, type of paint, brand  |
| W For wood doors: Comply with DHI "Recommended Locations for Architectural Hardware for Wood Flush Doors."   | 9. Ceiling Hangers: Type and size as specified in ASTM C754 for spacing required.  | receive tile finish.<br>43.Level 1: Fire rated wall areas above finished ceilings, whether or not   | 25. Lay acoustical insulation for a distance of 48 inches either side of   | name, lot number, brand code, coverage, surface preparation, drying  |
| - 15. Adjust work under provisions of Section 01 70 00.  | 10.Partition Head to Structure Connections: Provide mechanical anchorage devices that accommodate deflection using slotted holes, screws and             | accessible in the completed construction.<br>44.Level 0: Temporary partitions and surfaces indicated to be finished in                                    | acoustical partitions as indicated.<br>26. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.   | time, cleanup requirements, color designation, and instructions for mix and reducing.  |
| <ul><li>16. Adjust hardware for smooth operation.</li><li>17. Adjust gasketing for complete, continuous seal; replace if unable to make</li></ul>                                    | anti-friction bushings, preventing rotation of studs while maintaining   | later stage of project.   | 27. Maximum Variation from Plumb of Grid Members Caused by Eccentric   | 6. Paint Materials: Store at minimum ambient temperature of 45 degrees   |
| $_{\rm V}$ complete seal.  | structural performance of partition. Maintain lateral load resistance and vertical movement capacity required by applicable code, when evaluated         | 45.Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes. Feather coats of joint compound so that   | Loads: 2 degrees.  | and a maximum of 90 degrees F, in ventilated area, and as required b manufacturer's instructions.  |
| SECTION 08 80 00 - GLAZING   | in accordance with AISI North American Specification for the Design of Cold-Formed Steel Structural Members.   | camber is maximum 1/32 inch.<br>46.Where Level 5 finish is indicated, spray apply high build drywall surface  | SECTION 09 65 00 - RESILIENT FLOORING 1. Protect roll materials from damage by storing on end.   | 7. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product   |
| <ol> <li>Single Vision Glazing: Fully tempered float glass, clear tint, ¼ inch<br/>thickness.</li> </ol>   | Material: ASTM A653/A653M steel sheet, SS Grade 50/340, with   | over entire surface after joints have been properly treated; achieve a flat   | 2. Maintain temperature in storage area between 55 degrees F and 90  | manufacturer.  |
| Applications: All interior glazing unless otherwise indicated.   | G60/Z180 hot dipped galvanized coating.<br>Provide components UL-listed for use in UL-listed fire-rated head of  | and tool mark-free finish.<br>47.Maximum Variation of Finished Gypsum Board Surface from True   | <ul><li>degrees F.</li><li>3. Store materials for not less than 48 hours prior to installation in area of</li></ul>  | 8. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and   |
| U 2. Fire-Rated Safety Glazing: Glass-ceramic safety glazing, ¼ inch thickness, fire rating as indicated on Drawings.  | partition joint systems indicated on drawings.<br>Deflection and Firestop Track: Provide mechanical anchorage devices                                    | Flatness: 1/8 inch in 10 feet in any direction.   | installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.  | humidity and temperature limitations.  |
| Applications: Provide this type of glazing in the following locations:<br>3. Single Safety Glazing: Non-fire-rated, fully tempered float glass, clear tint,                          | as described above that accommodate deflection while maintaining   | SECTION 09 51 00 - ACOUSTICAL CEILINGS  | 4. Vinyl Welding Rod: Solid vinyl bead produced by manufacturer of vinyl   | <ol> <li>Provide lighting level of 80 ft candles measured mid-height at substrat<br/>surface.</li> </ol>   |
| 1/4 inch thickness.  | the fire-rating of the wall assembly.<br>11.Manufacturers - Gypsum-Based Board: National Gypsum Company, USG   | 1. Maintain uniform temperature of minimum 60 degrees F, and maximum  | <ul><li>flooring for heat welding seams, in color matching field color.</li><li>5. Subfloor Filler: White premix latex; type recommended by adhesive</li></ul>                         | 10. Provide all paint and coating products used in any individual system fr  |
| T Applications: Provide this type of glazing in the following locations:<br>Glazed lights in doors, except fire doors.   | Corporation or equal.<br>12.Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM   | humidity of 40 percent prior to, during, and after acoustical unit installation.  | material manufacturer.<br>6. Primers, Adhesives, and Seaming Materials: Waterproof; types  | <ul><li>the same manufacturer; no exceptions.</li><li>11.Provide all paint and coating products from the same manufacturer to</li></ul>  |
| Glazed sidelights to doors, except in fire-rated walls and partitions.<br>Other locations required by applicable federal, state, and local codes                                     | C1396/C1396M; sizes to minimize joints in place; ends square cut.  | 2. Acoustical Units - General: ASTM E1264, Class A.   | recommended by flooring manufacturer.  | greatest extent possible.  |
| and regulations.   | Application: Use for vertical surfaces and ceilings, unless otherwise indicated.   | 3. Units for Installation in Fire-Rated Suspension System: Listed and classified for the fire-resistive assembly the suspension system is a part          | 7. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean,                                       | 12.Paints and Coatings: Ready mixed, unless intended to be a field-catalyzed coating.  |
| S Other locations indicated on the drawings.<br>4. Float Glass: All glazing is to be float glass unless otherwise indicated.   | At Assemblies Indicated with Fire-Rating: Use type required by<br>indicated tested assembly; if no tested assembly is indicated, use                     | of.<br>4. Suspension System Manufacturers: Same as for acoustical units   | dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.  | 13. Provide paints and coatings of a soft paste consistency, capable of be readily and uniformly dispersed to a homogeneous coating, with good   |
| <ul> <li>Annealed Type: ASTM C1036, Type I, transparent flat, Class 1 clear,<br/>Quality Q3 (glazing select).</li> </ul>   | Type X board, UL or WH listed.   | indicated on Drawings.  | 8. Verify that wall surfaces are smooth and flat within the tolerances   | flow and brushing properties, and capable of drying or curing free of  |
| Heat-Strengthened and Fully Tempered Types: ASTM C1048.  | Thickness:<br>Vertical Surfaces: 5/8 inch.   | 5. Suspension Systems - General: ASTM C635; die cut and interlocking components, with stabilizer bars, clips, splices, perimeter moldings, and            | specified for that type of work, are dust-free, and are ready to receive resilient base.   | streaks or sags.<br>14. Supply each coating material in quantity required to complete entire   |
| R       5. Glass-Ceramic Safety Glazing: UL- or WH-listed as fire-protection-rated glazing and complying with 16 CFR 1201 test requirements for Category II                          | Ceilings: 1/2 inch.<br>Multi-Layer Assemblies: Thicknesses as indicated on drawings.   | <ul><li>hold down clips as required.</li><li>6. Support Channels and Hangers: Galvanized steel; size and type to suit</li></ul>                           | 9. Cementitious Sub-floor Surfaces: Verify that substrates are dry enough and ready for resilient flooring installation by testing for moisture and pH.                                | project's work from a single production run.<br>15.Do not reduce, thin, or dilute coatings or add materials to coatings unl  |
| <ul> <li>without the use of a surface-applied film.</li> <li>6. Silicone Sealant : Single component; neutral curing; capable of water</li> </ul>                                     | 13.Impact-Rated Wallboard: Tested to Level 3 soft-body and hard-body   | application, seismic requirements, and ceiling system flatness  | Test in accordance with ASTM F710.   | such procedure is specifically described in manufacturer's product   |
| immersion without loss of properties; non-bleeding, non-staining; ASTM   | impact in accordance with ASTM C1629.<br>Application: High-traffic areas indicated.  | requirement specified.<br>7. Perimeter Moldings: Same material and finish as grid.  | 10. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.                                      | instructions.<br>16.Primers: Where the manufacturer offers options on primers for a  |
| C920, Type S, Grade NS, Class 25, Uses M, A, and G; cured Shore AQhardness of 15 to 25; color as selected.   | Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.   | 8. Install suspension system in accordance with ASTM C636/C636M, ASTM   | 11.Prepare floor substrates as recommended by flooring and adhesive manufacturers.   | particular substrate, use primer categorized as "best" by the manufact   |
| 7. Setting Blocks: Neoprene, 80 to 90 Shore A durometer hardness, ASTM C864 Option I. Length of 0.1 inch for each square foot of glazing or  | Type: Fire-resistance rated Type X, UL or WH listed.<br>Thickness: 5/8 inch.   | E580/E580M, and manufacturer's instructions and as supplemented in this section.  | 12. Remove sub-floor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard                              | <ul><li>17. Volatile Organic Compound (VOC) Content:</li><li>18. Provide coatings that comply with the most stringent requirements</li></ul>   |
| minimum 4 inch x width of glazing rabbet space minus 1/16 inch x height  | Edges: Tapered.  | 9. Rigidly secure system, including integral mechanical and electrical  | surface.   | specified in the following: 40 CFR 59, Subpart DNational Volatile  |
| to suit glazing method and pane weight and area.<br>B 8. Spacer Shims: Neoprene, 50 to 60 Shore A durometer hardness, ASTM   | 14.Backing Board For Wet Areas:<br>Application: Surfaces behind tile in wet areas including tub and  | components, for maximum deflection of 1:360.<br>10.Install after major above-ceiling work is complete. Coordinate the location                            | 13. Starting installation constitutes acceptance of sub-floor conditions.<br>14. Install in accordance with manufacturer's instructions.   | Organic Compound Emission Standards for Architectural Coatings.<br>Architectural coatings VOC limits of State in which the project is located  |
| C864 Option I. Minimum 3 inch long x one half the height of the glazing<br>stop x thickness to suit application, self adhesive on one face.  | shower surrounds and shower ceilings.  | of hangers with other work.   | 15. Spread only enough adhesive to permit installation of materials before initial set.  | 19. Colors: As indicated on Drawings. In finished areas, finish pipes, duc conduit, and equipment the same color as the wall/ceiling they are  |
| 9. Glazing Tape: Preformed butyl compound with integral resilient tube   | Glass-Mat-Faced Board: Coated glass mat water-resistant gypsum<br>backing panel as defined in ASTM C1178.  | 11. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement        | 16. Fit joints tightly.  | mounted on/under.  |
| spacing device; 10 to 15 Shore A durometer hardness; coiled on release paper; black color.   | 15.Backing Board For Non-Wet Areas: Water-resistant gypsum backing<br>board as defined in ASTM C1396/C1396M; sizes to minimum joints in                  | of face plane of adjacent members.<br>12. Where ducts or other equipment prevent the regular spacing of hangers,  | <ul><li>17. Set flooring in place, press with heavy roller to attain full adhesion.</li><li>18. Where type of floor finish, pattern or color are different on opposite sides</li></ul> | 20.Paint for Wood, Opaque: One coat of latex primer sealer. Two coats latex enamel.  |
| <ul> <li>10. Glazing Clips: Manufacturer's standard type.</li> <li>11. Verify that openings for glazing are correctly sized and within tolerance.</li> </ul>                         | place; ends square cut.<br>Application: Vertical surfaces behind thinset tile, except in wet areas.  | reinforce the nearest affected hangers and related carrying channels to   | of door, terminate flooring under centerline of door.<br>19.Install edge strips at unprotected or exposed edges, where flooring  | 21.Paint for Wood, Transparent, Varnish, No Stain: One coat sealer.  |
| 12. Verify that surfaces of glazing channels or recesses are clean, free of  | Type: Regular and Type X, in locations indicated.  | span the extra distance.<br>13.Do not support components on main runners or cross runners if weight   | terminates, and where indicated.   | 22.Paint for Wood, Transparent, Varnish, Stain: Filler coat (for open grai wood only). One coat of stain. One coat sealer. One coat of varnish   |
| obstructions that may impede moisture movement, weeps are clear, and ready to receive glazing.   | Type X Thickness: 5/8 inch.<br>Regular Board Thickness: 5/8 inch.  | causes total dead load to exceed deflection capability.   | 20.Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.  | 23.Paint for Concrete/Masonry, Opaque: One coat of block filler. Two co  |
| <ul> <li>M 13. Prime surfaces scheduled to receive sealant.</li> <li>14. Install sealants in accordance with ASTM C1193 and FGMA Sealant</li> </ul>                                  | Edges: Tapered.  |   | 21.Remove excess adhesive from floor, base, and wall surfaces without  | of alkyd enamel.<br>24.Paint for Ferrous Metals, Unprimed: One coat of latex primer. Two co  |
| Manual.  | 16. Ceiling Board: Special sag-resistant gypsum ceiling board as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.       |   | damage.<br>22.Clean in accordance with manufacturer's instructions.  | of latex enamel.   |
| 15.Install sealant in accordance with manufacturer's instructions.<br>INSTALLATION - INTERIOR DRY METHOD (TAPE AND TAPE)   | Application: Ceilings, unless otherwise indicated.<br>Thickness: 1/2 inch.   |   | 23.Prohibit traffic on resilient flooring for 48 hours after installation.<br>TILE FLOORING  | 25.Paint for Ferrous Metals, Primed: Touch-up with latex primer. Two co<br>of latex enamel.  |
| L 1. Cut glazing tape to length and set against permanent stops, projecting 1/16 inch (1.6 mm) above sight line.   | Edges: Tapered.<br>17. Acoustical Sound Dampening Wall and Ceiling Board: Two layers of  |   | 1. Mix tile from container to ensure shade variations are consistent when tile is placed, unless manufacturer's instructions say otherwise.  | 26.Paint for Gypsum Board/Plaster: One coat of latex primer. Two coats latex enamel.   |
| 2. Place setting blocks at 1/4 points with edge block no more than 6 inches  | heavy paper faced, high density gypsum board separated by a  |   | 2. Lay flooring with joints and seams parallel to building lines to produce  | 27.Accessory Materials: Provide all primers, sealers, cleaning agents,   |
| <ul><li>3. Rest glazing on setting blocks and push against tape for full contact at</li></ul>  | viscoelastic polymer layer and capable of achieving STC rating of 50 or<br>more in typical stud wall assemblies as calculated in accordance with         |   | symmetrical tile pattern, unless otherwise indicated on drawings.<br>RESILIENT BASE  | cleaning cloths, sanding materials, and clean-up materials required to achieve the finishes specified whether specifically indicated or not;   |
| <ul><li>K perimeter of pane or unit.</li><li>4. Place glazing tape on free perimeter of glazing in same manner described</li></ul>   | ASTM E413 and when tested in accordance with ASTM E90.<br>Thickness: 1/2 inch.   |   | 1. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.   | commercial quality.  |
| above.   | Long Edges: Tapered.   |   | 2. Install base on solid backing. Bond tightly to wall and floor surfaces.   | 28.Patching Material: Latex filler.<br>29.Fastener Head Cover Material: Latex filler.  |
| 5. Install removable stop without displacement of tape. Exert pressure on tape for full continuous contact.  | Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.   |   | 3. Scribe and fit to door frames and other interruptions.  | 30.Clean surfaces thoroughly and correct defects prior to coating applica  |
| 6. Knife trim protruding tape.<br>J INSTALLATION - INTERIOR WET METHOD (COMPOUND AND   | 18. Acoustic Insulation: ASTM C665; preformed glass fiber, friction fit type, unfaced. Thickness: inch.  |   |  | 31.Prepare surfaces using the methods recommended by the manufactur<br>for achieving the best result for the substrate under the project conditi   |
| COMPOUND)  | 19. Acoustic Sealant: Non-hardening, non-skinning, for use in conjunction  |   |  | 32.Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparin   |
| <ol> <li>Install glazing resting on setting blocks. Install applied stop and center<br/>pane by use of spacer shims at 24 inch centers, kept 1/4 inch below sight</li> </ol>         | with gypsum board.<br>20.Joint Materials: ASTM C475 and as recommended by gypsum board   |   |  | surfaces or finishing.   |
| H 2. Locate and secure glazing pane using glazers' clips.  | manufacturer for project conditions.<br>21.High Build Drywall Surfacer: Vinyl acrylic latex-based coating for spray                                      |   |  | <ul><li>33.Seal surfaces that might cause bleed through or staining of topcoat.</li><li>34.Remove mildew from impervious surfaces by scrubbing with solution of the second statement of the second sta</li></ul> |
| 3. Fill gaps between glazing and stops with glazing compound until flush   | application, designed to take the place of skim coating and separate paint   |   |  | tetra-sodium phosphate and bleach. Rinse with clean water and allow  |
| with sight line. Tool surface to straight line.<br>INSTALLATION - PLASTIC FILM   | primer in achieving Level 5 finish.<br>22.Screws for Attachment to Steel Members Less Than 0.03 inch In  |   |  | surface to dry.  |
| 1. Install plastic film with adhesive, applied in accordance with film manufacturer's instructions.  | Thickness, to Wood Members, and to Gypsum Board: ASTM C1002; self-piercing tapping type.   |   |  |  |
| 2. Place without air bubbles, creases or visible distortion.   | 23.Screws for Attachment to Steel Members From 0.033 to 0.112 inch in<br>Thickness: ASTM C954; steel drill screws for application of gypsum board        |   |  |  |
| <ul> <li>Fit tight to glass perimeter with razor cut edge.</li> <li>CLEANING AND PROTECTION</li> </ul>   | to loadbearing steel studs.  |   |  |  |
| <ol> <li>Remove glazing materials from finish surfaces.</li> <li>Remove labels after Work is complete.</li> </ol>  | 24.Metal Framing: Install in accordance with ASTM C754 and manufacturer's instructions.  |   |  |  |
| F 3. Clean glass and adjacent surfaces.  | 25.Suspended Ceilings and Soffits: Space framing and furring members as indicated.   |   |  |  |
| <ul> <li>4. After installation, mark pane with an 'X' by using removable plastic tape or<br/>paste; do not mark heat absorbing or reflective glass units.</li> </ul>                 | 26.Studs: Space studs as indicated. Extend partition framing to structure  |   |  |  |
|  | where indicated and to ceiling in other locations.<br>27.Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling                    |   |  |  |
| E  | track in accordance with manufacturer's instructions.<br>28.Partitions Terminating at Structure: Attach top runner to structure,                         |   |  |  |
|  | maintain clearance between top of studs and structure, and connect studs   |   |  |  |
|  | to track using specified mechanical devices in accordance with<br>manufacturer's instructions; verify free movement of top of stud                       |   |  |  |
| D  | connections; do not leave studs unattached to track.<br>29.Openings: Reinforce openings as required for weight of doors or                               |   |  |  |
|  | operable panels, using not less than double studs at jambs.  |   |  |  |
|  | 30. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and      |   |  |  |
| с  | tight to items passing through partitions.<br>31.Acoustic Sealant: Install in accordance with manufacturer's instructions.                               |   |  |  |
|  | Place one bead continuously on substrate before installation of perimeter  |   |  |  |
|  | framing members. Place continuous bead at perimeter of each layer of gypsum board. In non-fire-rated construction, seal around all penetrations          |   |  |  |
| В  | by conduit, pipe, ducts, and rough-in boxes.<br>32.Board Installation: Comply with ASTM C840, GA-216, and manufacturer's                                 |   |  |  |
|  | instructions. Install to minimize butt end joints, especially in highly visible locations. Install gypsum board parallel to framing, with ends and edges |   |  |  |
|  | occurring over firm bearing.   |   |  |  |
| Α  |  |   |  |  |
|  |  |   |  |  |
|  |  |   |  |  |
|  |  |   |  |  |



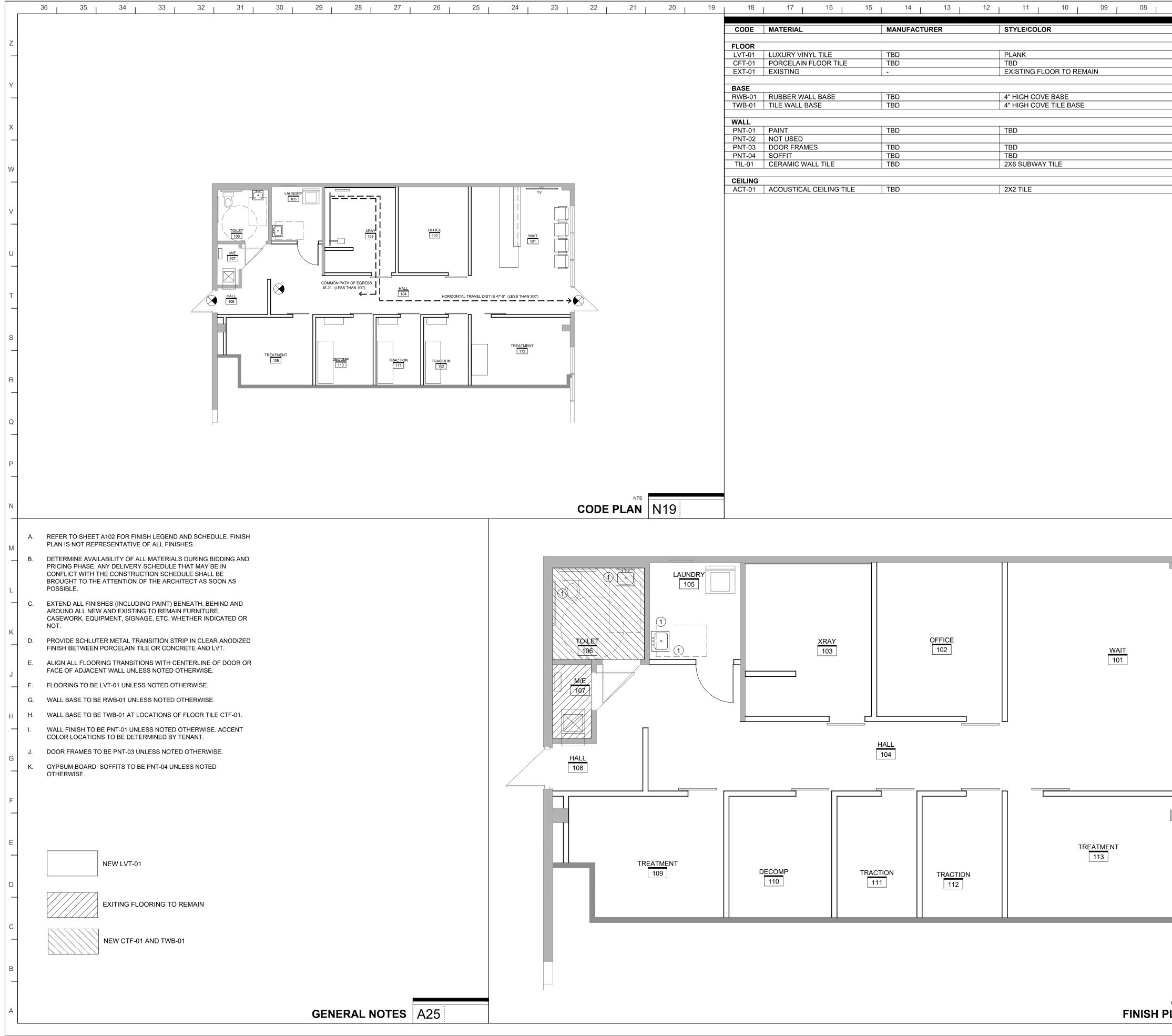
**RELEASE FOR** 

|       |         | 36   35   34   33   32   31   30   29   28   27   26   25   |   |
|-------|---------|---|---|
|       | A.      | REFER TO ENGINEERING DRAWINGS FOR COORDINATION AND  |   |
| Z     | B.      | ADDITIONAL SCOPE AND INFORMATION.<br>CEILING TILE TO BE ACT-01 UNLESS NOTED OTHERWISE.  |   |
| Y     | C.      | ALL COMPLETED CEILING INSTALLATIONS MUST APPEAR LIKE NEW.<br>TILES SHALL HAVE NO MARKS, CRACKS OR CHIPS. GRID SHALL BE<br>FREE OF ALL BENDS, KINKS, MARKS AND SCREW HOLES FROM<br>PREVIOUS INSTALLATIONS. PATCH, REPAIR, ADJUST AND REPLACE<br>CEILING TILE AND GRID AS NECESSARY.                                |   |
|       | D.      | CEILING HEIGHT TO BE 10'-0" ABOVE FINISHED FLOOR UNLESS<br>NOTED OTHERWISE.   |   |
| ×<br> | E.      | CONFIRM ALL EXISTING TO REMAIN LIGHT FIXTURES ARE IN GOOD<br>WORKING CONDITION, INCLUDING APPEARANCE. PROVIDE NEW<br>LAMPS AS NECESSARY.  |   |
| W     | F.      | PROVIDE EXIT SIGNS AS INDICATED AND AS REQUIRED PER<br>APPLICABLE CODES.  |   |
| V     | G.      | ALL SPRINKLER MODIFICATIONS REQUIRED ARE TO COMPLY WITH<br>ALL APPLICABLE CODES. PROVIDE BUILDING STANDARD<br>SPRINKLER HEADS IN AREAS OF CEILING TILE. CENTER<br>SPRINKLERS IN CEILING TILE. PROVIDE FULLY CONCEALED<br>SPRINKLER HEADS IN AREAS OF GYPSUM BOARD CEILINGS IN<br>COLOR TO MATCH ADJACENT SURFACE. |   |
| U     | H.      | ALL NEW AND EXISTING CEILING MOUNTED ELECTRICAL DEVICES,<br>SPRINKLER HEAD COVER PLATES, ETC. SHALL MATCH IN COLOR.<br>PROVIDE ACCESS AS REQUIRED FOR INSTALLATION AND  | $ \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$   |
| _     |         | MAINTENANCE OF ABOVE CEILING ELEMENTS. COORDINATE<br>LOCATIONS AND TYPES OF ACCESS PANELS WITH OTHER TRADES.  |   |
| т     | J.      | PROVIDE CONTROL JOINTS AT 30'-0" ON CENTER IN NEW GYPSUM<br>BOARD WALLS.  | $\begin{array}{ c c c c c c } \hline & & & & & & & & & & & & & & & & & & $  |
|       | К.      | PROVIDE CONCEALED FIRE RESISTANT TREATED (FRT), MOISTURE<br>RESISTANT WOOD WHERE BLOCKING IS REQUIRED.<br>ALL LIGHT FIXTURE DIMENSIONS ARE TO THE CENTERLINE OF THE   |   |
| S     | L.<br>M | ALL LIGHT FIXTURE DIMENSIONS ARE TO THE CENTERLINE OF THE<br>FIXTURE, UNLESS NOTED OTHERWISE.<br>ALL LIGHT FIXTURES ARE CENTERED AND SPACED EQUALLY   |   |
|       | N.      | WITHIN THE PLAN AREA, UNLESS NOTED OTHERWISE.<br>FACE ALL SEAMS OF PENDANT FIXTURES THE SAME DIRECTION  |   |
| R<br> | 0.      | AWAY FROM MAIN VIEW OF SPACE.   |   |
| Q     | P.      | GANG MULTIPLE SWITCHES WITH A SINGLE COMMON COVERPLATE.<br>ALL COVER PLATES SHALL BE WHITE WITH WHITE SWITCHES AND<br>RECEPTACLES, UNLESS NOTED OTHERWISE.  |   |
| P     |         |   |   |
| N     |         | GENERAL NOTES N25   | REFLECTED CEILING F   |
|       | A.      | REFER TO SHEET A103 FOR WALL TYPES. ALL NEW WALLS SHALL<br>BE WALL TYPE 1 UNLESS NOTED OTHERWISE.   | 5'-0" 1'-6"   |
| ı∨I   | В.      | REFER TO SHEET A103 FOR DOOR, FRAME AND HARDWARE<br>SCHEDULES AND DETAILS.  |   |
| L     | C.      | VERIFY ALL DIMENSIONS INDICATED AS "FIELD VERIFY" OR "FV" ON<br>THE DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY THE<br>ARCHITECT OF ANY CONFLICTS.   | $\begin{array}{c c} & & & \\ \hline \\ \hline$  |
|       | D.      | COORDINATE SECURITY, IT AND AV REQUIREMENTS WITH TENANT<br>AND OWNER.   |   |
| К     | E.      | REFER TO ENGINEERING DRAWINGS FOR COORDINATION AND ADDITIONAL SCOPE AND INFORMATION.  | $\begin{array}{c c c c c c c c c c c c c c c c c c c $  |
| J     | F.      | MAINTAIN ALL FIRE, LIFE SAFETY AND EGRESS PATHWAYS AND<br>EXITS THROUGHOUT THE COURSE OF DEMOLITION AND<br>CONSTRUCTION.  |   |
| _     | G.      | MAINTAIN ALL EXISTING TO REMAIN FIRE-RATED ASSEMBLIES AND<br>COMPONENTS.  | M/E 107 0 0 4'-0" 9'-11 1/8"  |
| Н     | H.      | PROVIDE BUILDING STANDARD FIRE EXTINGUISHERS AND<br>CABINETS WHERE INDICATED. FINAL QUANTITIES AND LOCATIONS<br>TO BE COORDINATED AND APPROVED WITH THE AUTHORITY<br>HAVING JURISDICTION.   |   |
| G     | I.      | PROVIDE ALL ROOM, STAIR, RESTROOM AND OCCUPANCY<br>SIGNAGE REQUIRED BY APPLICABLE CODES AND ADA. SIGNAGE<br>DESIGN TO MATCH BUILDING STANDARD UNLESS NOTED<br>OTHERWISE.  | $\begin{array}{c c} HALL \\ HALL \\ \hline 108 \\ \hline 108 \\ \hline 108 \\ \hline 0 \\ \hline$ |
| F     | J.      | PATCH AND REPAIR EXISTING WALLS AND SURFACES TO BE<br>ALIGNED WITH NEW WALLS AND SURFACES. FINISHED SURFACES<br>TO BE ALIGNED AND TEXTURED SO AS TO BE SEAMLESS IN<br>APPEARANCE.   |   |
| F     | K.      | VERIFY THAT EXISTING WALLS EXTEND TO THE BOTTOM OF<br>STRUCTURE WHEN ADJACENT TO NEW WALL TYPES EXTENDING<br>TO THE BOTTOM OF STRUCTURE. EXTEND ADJACENT EXISTING<br>WALLS TO MATCH NEW CONSTRUCTION.   | •   |
| _     | L.      | PATCH AND REPAIR ALL EXISTING TO REMAIN WALLS AS<br>REQUIRED TO RECEIVE NEW SCHEDULED FINISHES.   |   |
| D     | M.      | REPLACE ANY DAMAGED OR MISSING INSULATION OR VAPOR<br>BARRIER TO MATCH EXISTING.  | 109DECOMPTRACTIONTRACTION110111112  |
|       | N.      | PROVIDE CONCEALED FIRE RESISTANT TREATED (FRT), MOISTURE<br>RESISTANT WOOD WHERE BLOCKING IS REQUIRED.  |   |
| С     |         | PROVIDE AND INSTALL VERTICAL CONTROL JOINTS AT 30'-0" ON<br>CENTER IN NEW GYPSUM BOARD WALLS. SUBMIT LAYOUT TO<br>ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.   |   |
| В     | Ρ.      | REUSE EXISTING DOORS, FRAMES AND HARDWARE WHERE<br>POSSIBLE. DOORS, FRAMES AND HARDWARE SALVAGED FROM<br>DEMOLITION MAY ONLY BE REUSED IF IN 'LIKE NEW' CONDITION<br>AND MATCHING NEW CONSTRUCTION FINISHES AND HEIGHTS.  |   |
|       | Q.      | LOCATE ALL DOORS 4" FROM THE ADJACENT WALL FACE<br>MEASURED FROM THE OUTSIDE EDGE OF THE DOOR FRAME<br>UNLESS NOTED OTHERWISE.  |   |
| А     | R.      | REMOVE DAMAGED EXISTING CAULK AND SEALANT AND REPLACE <b>GENERAL NOTES</b> A25  | FLOOR F   |
| Ĺ     |         |   |   |

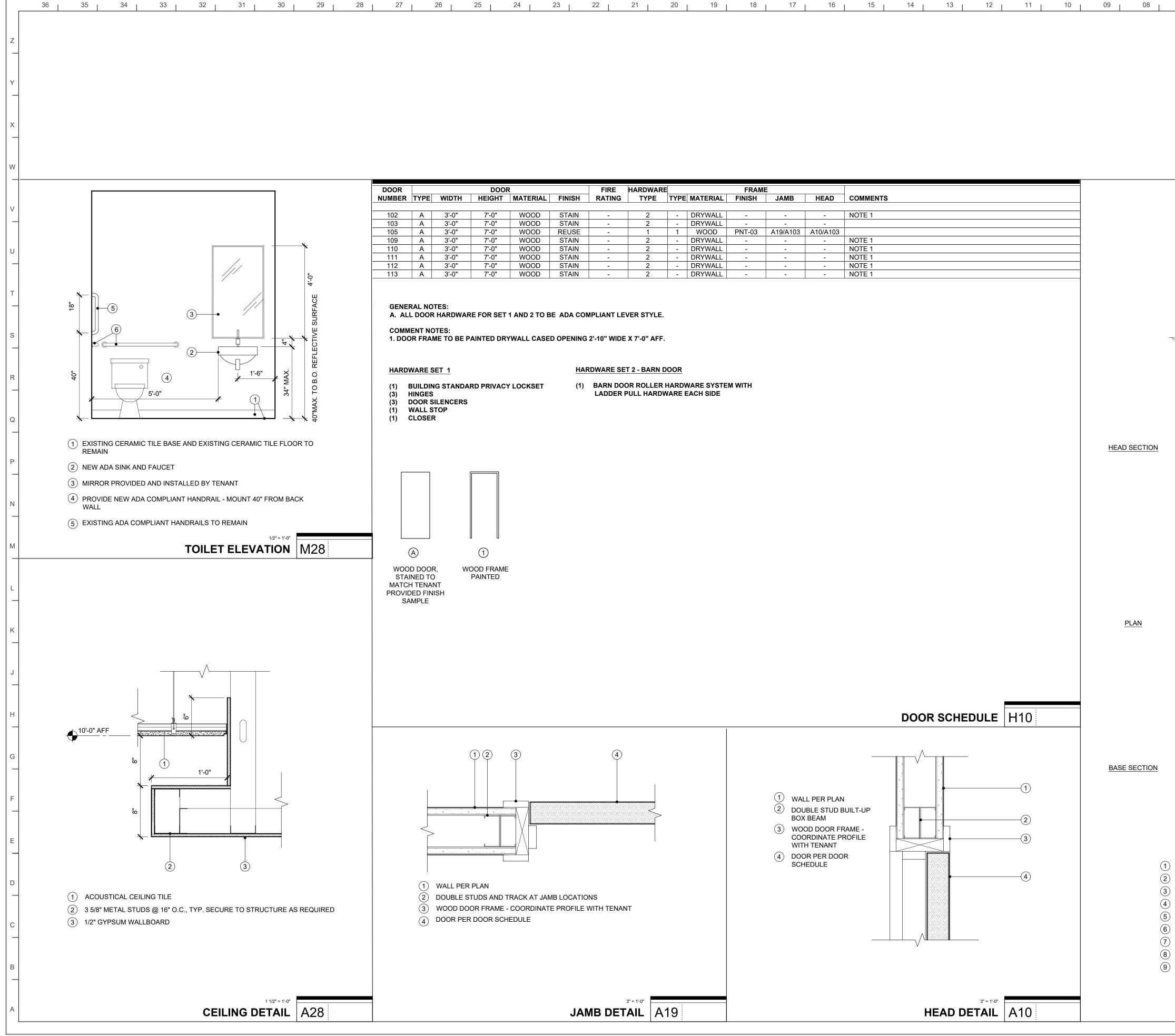




|                                     |   | RELEASE FOR<br>CONSTRUCTION<br>AS NOTED ON PLANS REVIEW<br>DEVELOPMENT SERVICES<br>LEE'S SUMMIT, MISSOURI                                  |
|-------------------------------------|---|--|
| 07 06 05                            | 04 03 02 01<br>(1) EXISTING CEILING AND LIGHTING TO   | 02/12/2021   |
|                                     | REMAIN IN TOILET. NEW LIGHT<br>FIXTURE OVER MIRROR PROVIDED BY<br>TENANT.   | Perspective<br>VBCHILECLINE + DESIGN   |
|                                     | <ul> <li>2 EXISTING CEILING TO REMAIN</li> <li>3 PENDANTS, COORDINATE MOUNTING<br/>HEIGHT WITH TENANT</li> </ul>  |  |
|                                     | WALL SCONCE, COORDINATE<br>MOUNTING HEIGHT WITH TENANT  | 2000 SHAWNEE MISSION PARKWAY<br>SUITE 100<br>MISSION WOODS, KS 66205<br>816 502 1500<br>WWW.PAD.STUDIO                                     |
|                                     |   | REES MASILIONIS TURLEY ARCHITECTURE, LLC<br>MISSOURI CERTIFICATE OF AUTHORITY # 00918  |
|                                     |   | <section-header><section-header><section-header><text><text><text></text></text></text></section-header></section-header></section-header> |
| 0 2' 4'<br>1/4" = 1'-0"             | 8'  | PROJECT  |
| PLAN A05                            | KEYNOTES A01  | JORDAN'S<br>CHIROPRATIC  |
|                                     | <ol> <li>ALIGN NEW WALL WITH FACE OF<br/>EXISTING WALL</li> <li>STACKING WASHER/ DRYER UNIT NIC</li> </ol>  |  |
|                                     | <ul> <li>NEW ADA COMPLIANT SINK -PROVIDE<br/>ADA COMPLIANT PIPE PROTECTION AT</li> </ul>  | SUMMIT CREST PLAZA<br>3552 SW MARKET STREET<br>LEE'S SUMMIT, MO 64082  |
|                                     | ALL SUPPLIES AND DRAIN UNDER SINK<br>(4) INSTALL 7' HIGH X 4' WIDE BY $\frac{1}{32}$ " THICK<br>LEAD SHEET (WWW.ZIPMETALS.COM)<br>COVER WITH ONE LAYER OF $\frac{5}{8}$ " GYP<br>BOARD. DO NOT PENETRATE THE LEAD<br>SHEET. PROVIDE DENSE NOISE<br>LIMITING INSULATION IN WALL<br>BETWEEN SUITES IF NO INSULATION IS<br>EXISTING. | MARK DATE DESCRIPTION  |
|                                     | 5 8" X 10" LEADED GLASS FRAME<br>WINDOW PROVIDED BY X-RAY<br>EQUIPMENT VENDOR AND INSTALLED<br>BY CONTRACTOR. FRAME OPENING<br>WITH PAINTED WOOD TRIM.<br>COORDINATE LOCATION WITH TENANT.  |  |
| Щ.<br>                              | (6) BUILDING STANDARD FIRE<br>EXSTINGUISHER   |  |
| *                                   |   | SHEET TITLE<br>FLOOR PLAN AND<br>REFLECTED CEILING<br>PLAN   |
|                                     |   | PROJECT NUMBER<br>2020074.000<br>SHEET AUTHOR<br>KR<br>CHECKED BY<br>JM  |
|                                     |   | DATE<br>FEBRUARY 3, 2021   |
| 0 2' 4'<br>1/4" = 1'-0"<br>PLAN A05 | «KEYNOTES A01   | A101   |
|                                     |   |  |



| 07 06 05  | 04 03   | 02 01                |   | RELEASE FOR<br>CONSTRUCTION<br>AS NOTED ON PLANS REVIEW<br>DEVELOPMENT SERVICES<br>LEE'S SUMMIT, MISSOURI<br>02/12/2021  |
|---|---|----------------------|---|--|
| COMMENTS  |   |                      | Persp   |  |
| -   |   |                      |   |  |
| -<br>-<br>EGGSHELL<br>SEMI-GLOSS AT DOOR<br>FLAT<br>GROUT COLOR TO MA | FRAMES<br>TCH TILE, SCHLUTER TILI                       | E TRANSISTION AT EDG | 2000 SHAWNEE M<br>SUITE 100<br>MISSION WOODS,<br>816 502 1500<br>WWW.PAD.STUDIO   | KS 66205   |
|   |   |                      | MISSOURI CERTIFIC<br>MISSOURI CERTIFIC<br>MATTHEW MAS<br>MISSO<br>MATTHEW MAS<br>MISSO<br>I have prepared<br>responsibility for the she<br>for the project named bel<br>Other drawings ar<br>above-mentioned projec<br>responsibility of the licer<br>firm apear on that sheet<br>The Architect is n<br>the mechanical, electric<br>structural, signage (not<br>suppression systems; an<br>the compliance of these<br>governmental entities. The<br>materials, components<br>others. The Architect is<br>others. The Architect is<br>others. The Architect is<br>others. The Architect ar<br>others. The Architect is<br>postruction, during cons<br>construction, during cons<br>construction, during cons<br>construction when operal<br>ignure during construc-<br>construction when operal<br>tenant. | SILIONIS - ARCHITECT<br>DURI # A-6005<br>A the drawings and assume<br>tets numbered with an "A" prefix<br>ow.<br>di specifications attached for the<br>thave been by and are the<br>sed engineer whose stamp and<br>corresponsible for the design of<br>al, plumbing, civil, landscaping,<br>specified), fire sprinkler or fire<br>d does not take responsibility for<br>areas with the laws of the above<br>the architect is not responsible for<br>or equipment, as well as the<br>are installed on the project by<br>s not hired or responsible for<br>struction or upon completion of<br>chitect is not responsible for<br>to faulty installation or product<br>ction or after completion of<br>tion has begun by the landlord or<br>sssional whose stamp appears on |
| FI  | <b>NISH LEGEND</b>                                      | ALL WALL AREAS       | PROJECT<br>JORDAN<br>CHIROPF  | specifically noted above shall be<br>ns in paragraph three.  |
|   | EXTENDED 2 FEET<br>TOILET TO A MINIM<br>FINISHED FLOOR. |                      | SUMMIT CREST PLAZA<br>3552 SW MARKET STREET<br>LEE'S SUMMIT, MO 64082   |  |
|   |   |                      | MARK DATE   | DESCRIPTION  |
|   |   |                      | SHEET TITLE   |  |
|   |   |                      | FINISH PL/<br>FINISH LEC<br>CODE PLA  | GEND   |
|   |   |                      | PROJECT NUMBER<br>2020074.000<br>SHEET AUTHOR<br>KR<br>CHECKED BY<br>JM<br>DATE<br>FEBRUARY 3, 2021   | PERMIT SET   |
| 0 2' 4' 8<br>1/4" = 1'-0"<br>PLAN A05                                 | KEYNOTES  | A01                  | SHEET NUMBER  | 2  |



| 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 09 | 08 |  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |

|      |        | FIRE   | HARDWARE |      |          | FRAM   | E        |          |          |
|------|--------|--------|----------|------|----------|--------|----------|----------|----------|
| RIAL | FINISH | RATING | TYPE     | TYPE | MATERIAL | FINISH | JAMB     | HEAD     | COMMENTS |
|      |        |        |          |      |          |        |          |          |          |
| DD 🛛 | STAIN  | -      | 2        | -    | DRYWALL  | -      | -        | -        | NOTE 1   |
| DD   | STAIN  | -      | 2        | -    | DRYWALL  | -      | -        | -        |          |
| OD   | REUSE  | -      | 1        | 1    | WOOD     | PNT-03 | A19/A103 | A10/A103 |          |
| OD   | STAIN  | -      | 2        | -    | DRYWALL  | -      | -        | -        | NOTE 1   |
| OD   | STAIN  | -      | 2        | -    | DRYWALL  | -      | -        | -        | NOTE 1   |
| OD   | STAIN  | -      | 2        | -    | DRYWALL  | -      | -        | -        | NOTE 1   |
| OD   | STAIN  | -      | 2        | -    | DRYWALL  | -      | -        | -        | NOTE 1   |
| OD   | STAIN  | -      | 2        | -    | DRYWALL  | -      | -        | -        | NOTE 1   |

|           | 07  | 06   | 05   | 04  | 03                                  | 02  | 01 |   | CONSTRUCT<br>AS NOTED ON PLANS<br>DEVELOPMENT SEI<br>LEE'S SUMMIT, MIS<br>02/12/2021   | REVIEW |
|-----------|---|--|--|---|-------------------------------------|-----|----|---|--|--------|
|           |   |  |  |   |                                     |     |    | Pers  | PECTINE + DESIGN   |        |
|           |   |  |  |   |                                     |     |    | 2000 SHAWNEE<br>SUITE 100<br>MISSION WOOD<br>816 502 1500<br>WWW.PAD.STUD   |  |        |
|           |   |  |  |   |                                     |     |    |   | TURLEY ARCHITECTURE, LLC<br>ICATE OF AUTHORITY # 00918   |        |
| _         |   |  |  |   | 9<br>8<br>7                         |     |    | MIS<br>I have prepar<br>responsibility for the s<br>for the project named I<br>Other drawings<br>above-mentioned pro<br>responsibility of the lin<br>firm appear on that shu<br>The Architect is<br>the mechanical, elect<br>structural, signage (n<br>suppression systems;<br>the compliance of the<br>governmental entities.<br>materials, component<br>method in which the | and specifications attached for the<br>ject have been by and are the<br>censed engineer whose stamp and  |        |
|           |   |  |  |   | 6                                   |     |    | certification, during co<br>construction. The<br>improper operation du<br>failure during const<br>construction when oper<br>tenant.<br>The licensed pro-<br>sheets other than those   | Instruction or upon completion of<br>Architect is not responsible for<br>ue to faulty installation or product<br>ruction or after completion of<br>ration has begun by the landlord or<br>ofessional whose stamp appears on<br>se specifically noted above shall be<br>ems in paragraph three. |        |
|           |   | 5/8"   | 4 7/8"<br>3 5/8"   | 5/8"  | (5)<br>(4)                          |     |    | SUMMIT CREST PLAZA<br>3552 SW MARKET STRE<br>LEE'S SUMMIT, MO 6408<br>MARK DATE   |  |        |
|           |   |  |  |   | 3<br>2<br>1                         |     |    | SHEET TITLE<br>WALL TYPE<br>DOOR SC<br>ELEVATIO   |  |        |
| 123456789 | 20 GA M<br>WALL B<br>5/8" GYF<br>20 GA M<br>CEILING<br>BRACE<br>20 GA M | IETAL TRAC<br>ASE PER SC<br>PSUM BOAR<br>IETAL STUD<br>PER PLAN<br>TO STRUCT | CHEDULE, INS<br>D, ONE LAYEI<br>S @ 16" O.C.,<br>URE ON ALTE<br>K FASTENED | TO SLAB @ 24<br>TALL AFTER F<br>R ON EACH SII<br>3-5/8" U.N.O.<br>RNATE SIDES<br>TO DECK @ 24 | 2LOOR FINISH<br>DE<br>@ 48" O.C., 3 |     |    | PROJECT NUMBER<br>2020074.000<br>SHEET AUTHOR<br>KR<br>CHECKED BY<br>JM<br>DATE<br>FEBRUARY 3, 2021   |  |        |
|           |   |  |  | WALL -  | 3" = 1'-0"                          | 401 |    | SHEET NUMBER  | 3  |        |

RELEASE FOR

| DIVISION 21, 22, 23 AND 26   |   | 230 100   |   |
|--|---|---|---|
| GENERAL PROVISIONS   |   | HEATING, VENTILATION AND AIR CONDITIONING<br>1.0 SCOPE:   |   |
| DESCRIPTION:   | 15.0 SITE WORK AND CONDITIONS:  | A. The work included under this contract consists of providing all labor, materials, tools, transportation, services,   | 8.0 CLEANING:<br>A. New Work  |
| Divisions 21, 22, 23 and 26 shall be governed by all applicable provisions of the Contract Document.   | A. The Contractor shall do all necessary excavating and backfilling for the installation of associated work. After  | etc., necessary to complete the installation of the heating, ventilating, and air conditioning systems and other items herein listed and as described in these specifications, as illustrated in the accompanying drawings or as        | <ol> <li>Clean air system by operating at least this</li> </ol>   |
| The Contractor shall furnish, install and connect all materials, equipment, apparatuses, and incidentals required for a complete and working installation. For all systems shown and required, the Contractor shall                | the piping or conduit has been installed, tested and approved, the trenches shall be backfilled to grade with compacted sand, gravel or AB-3 material or other material as required by local authorities. Compact to 85%                                      | directed by the Architect/Engineer.   | all filters and replace with clean.   |
| supply all necessary labor, equipment, tools, insurance, and tax services, and shall assume full responsibility for all obligations associated with completion of work as provided by the Contract Documents.                      | density for unpaved areas, 95% density for paved area or under slabs.<br>B. Roads, alleys, street, sidewalks and utilities damaged during this work shall be restored to the satisfaction of  | 2.0 SHEET METAL:<br>A. Ductwork shall be new prime grade galvanized steel sheets constructed per ASHRAE and SMACNA  | <ul><li>B. Renovation and Existing Systems</li><li>1. Clean existing duct systems by vacuum</li></ul>   |
| STANDARDS, REGULATIONS AND CODES:  | Owner's Representative and authorities having jurisdiction.   | Standards. Duct system(s) installation shall be in accordance with SMACNA Duct Construction Standards   | unit location. Remove and replace device  |
| Work shall comply with the edition of the applicable standards, regulations and codes currently in force of all Federal, State and local authorities having jurisdiction. Where quantities, sizes, or other requirements indicated | C. Where subsidence is measurable or observable at excavation during general project warranty period, remove<br>surface, add backfill material, compact, and replace surface treatment. Restore appearance of surface to                                      | Manual and industry standards. Provide round or rectangular duct as indicated.<br>1. Provide Duct System(s), including all necessary components such as dampers, turning vanes, offsets and   | <ul><li>C. All cleaning shall be completed prior to test a</li><li>9.0 TESTING AND ADJUSTING:</li></ul> |
| on the drawings or herein specified are in excess of the standard or code requirements, the specifications and/or drawings shall govern. In the absence of other applicable local codes, acceptable to the                         | match adjacent work. 16.0 FOUNDATIONS AND SUPPORTS:   | takeoffs, etc. required by the project (whether shown or not), which shall be fabricated and installed for maximum efficiency and to minimize pressure drops and objectionable sound and to provide for complete                        | A. Contractor shall operate and test the air of   |
| Architect/Engineer, the International Set of Codes and the National Electrical Code shall apply to this work.  | A. All hangers, brackets, clamps, etc., shall be of standard weight steel. Perforated strap hangers shall not be  | system balancing.   | operation. Perform a series of general capa<br>capacities of various pieces of equipment.               |
| The Contractor shall comply with rules and regulations of public utilities and municipal departments affected by connections of services. The Contractor shall pay all fees associated there with.                                 | used in any work. When two (2) or more pipes or conduits are run parallel, or where ducts interfere with the proper location of hangers, they may be supported on trapeze hangers. Other hangers shall be hinged ring   | <ol> <li>All duct sizes shown are free area size and do not include liner.</li> <li>B. Fabricate for the pressure and SMACNA seal class required by the application.</li> </ol>   | B. The test and balance contractor shall per  |
| The Contractor shall be licensed to perform associated work in the municipality in which the project is located.   | malleable iron, by Grinnell or Fee and Mason or approved equal with rods and hanger adjusters for adequate size to carry the loads imposed. All piping, ductwork and conduit systems shall each be independently  | Leakage class minimum requirements are:   | deficiencies. The mechanical contractor sha<br>balance report and work with the test and b              |
| All products and types of construction shall meet or exceed the latest edition of applicable standards of manufacturer, testing, performance and installation.   | supported from other systems and from equipment so that no weight is born by equipment.   | 1. Up thru 2" WG pressure - rectangular - Class 24, round - Class 12.   | repairs and modifications necessary to achie<br>prior to the final reporting. The final test and        |
| Where indicated or required, comply with all provisions of the ADA and/or the ABA Accessibility Guidelines.  | B. The Contractor shall take all precautions against excessive noise or vibration by isolating the various items of<br>equipment from the building structure. Provide flexible connectors where indicated and at all rotating                                 | Seal class minimum requirements are:  | modifications.<br>E   |
| Where indicated or required, comply with all applicable provisions of energy and ventilation codes in force at the local jurisdiction.   | equipment and for equipment mounted on vibration isolators.<br>17.0 CUTTING AND PATCHING:   | <ol> <li>Up thru 2" WG pressure - class A for all duct joints.</li> <li>Duct Sealants</li> </ol>  |   |
| GRAPHIC REPRESENTATION AND JOB CONDITIONS:   | A. All necessary cutting, drilling and patching shall be provided by this Contractor. Structural members shall not  | 1. Duct sealant shall have 25/50 flame and smoke rating with a static pressure class of 10" WG, mold and  |   |
| The Contract Documents shall serve as working drawings for the general layout of the various items of equipment; are diagrammatic unless specifically dimensioned, and do not necessarily indicate every required                  | be disturbed without prior approval of the Structural Engineer and/or the Owner's Representative. All areas and<br>surfaces disturbed by work performed under this Contract shall be neatly repaired and refinished to the                                    | mildew resistant. Sealant shall be installed per manufacturer instructions.<br>2. Sealant for concealed ductwork shall be an externally applied solvent or water based joint and seam   |   |
| item. The contractor shall include all necessary components and accessories as required for a complete working system whether so specifically indicated or not.  | condition of adjoining surfaces in a manner suitable to the Owner's Representative.<br>18.0 SLEEVES AND ESCUTCHEONS:  | sealant for without tape.   |   |
| Architectural and Structural drawings take precedence over all other drawings in the representation of the   | A. Penetrations thru walls and floors shall be as detailed.   | 3. Spiral lock seams and gasketed duct joints are exempted from other sealant requirements.   |   |
| general construction work; any conflicts shall be resolved prior to commencing work. Failure to do so shall not be considered a basis for the granting of additional compensation.   | <ul> <li>B. Where not otherwise shown, penetrations shall conform to the following:</li> </ul>  | <ul> <li>Duct Finishes</li> <li>Concealed ductwork shall be manufacturer's standard mill finished.</li> </ul>   |   |
| Arrange work in a neat, well organized manner. Coordinate work with other trades involved, prior to  | <ol> <li>Where pipes or conduits pass through interior partitions, galvanized steel pipe sleeves or galvanized steel<br/>sheet sleeves shall be used.</li> </ol>  | E. Round or oval duct shall be factory built of galvanized steel, suitable for pressure class required or indicated.  |   |
| commencing work. Sub-contractors shall work together to resolve any conflicts of space or routing.<br>GUARANTEES/WARRANTY:   | <ol> <li>Sneet sleeves shall be used.</li> <li>Where pipes or conduits pass thru concrete floors and walls, walls below grade or exterior walls and slabs</li> </ol>  | Snap lock duct and fittings shall be used for low pressure/velocity applications only. Fittings shall have 1.5 times diameter centerline radius. Spiral duct may be used for any pressure/velocity class. Spiral duct shall be          |   |
| The Contractor shall guarantee/warranty all work performed, including labor, materials and equipment   | on grade, cast iron or steel pipe sleeves shall be used.  | Semco or acceptable equal by McGill Airflow or Lindab.  |   |
| furnished under this contract, against defects in materials and workmanship for a minimum period of one year from the date of the Owner's Representative Final Acceptance of the work. Provide extended warranties as              | C. Sleeves through interior non-rated walls, including walls indicated as sound partitions, shall be packed with<br>fiberglass or mineral wool and caulked.   | <ol> <li>Single wall, 2.0" WG minimum.</li> <li>F. Flexible air duct and accessories shall be UL-181 class 1 compliant, 25/50 smoke and flame plenum rated.</li> </ol>  |   |
| noted in each section or specified for specific products.  | <ul> <li>D. Provide steel (dry locations) or brass (damp locations) escutcheons to completely cover pipe penetration holes</li> <li>in floors, walls, or callings, Provide pipe escutcheons with pickel or chrome finish for occupied areas, prime</li> </ul> | Maximum length shall be 5' - 0". Flexible duct shall have ends banded and insulation ends sealed. Attach with<br>nylon duct zip ties. Provide Thermaflex or equivalent flex tie supports. Supply air and return air flexible ducts      |   |
| WORKMANSHIP:<br>All work performed under this Contract shall provide a neat and "workmanlike" appearance when completed, to  | in floors, walls, or ceilings. Provide pipe escutcheons with nickel or chrome finish for occupied areas, prime<br>paint finish for unoccupied areas, brass for exterior.  | and boots shall be insulated. Exhaust flexible duct shall not be insulated.   |   |
| the satisfaction of the Owner's Representative. The complete installation shall function as designed and intended with respect to efficiency, capacity, and noise level, etc.  | 19.0 MOTORS, CONTROLS AND FIRE ALARM INTERFACE:   | <ol> <li>Flexible ducts shall be Thermaflex or acceptable equal by ATCO or Flexmaster.</li> <li>G. Return Boots and Silencers</li> </ol>  |   |
| LOCAL CONDITIONS:  | <ul> <li>A. All temperature controls unless noted otherwise shall be the responsibility of the Mechanical Contractor.</li> <li>B. All fire alarm devices including duct smoke detector and shut down/interlock wiring shall be the responsibility</li> </ul>  | <ol> <li>Return Boots and Silencers</li> <li>1. Return air boots shall be provided at locations indicated and as detailed on the drawings.</li> </ol>   |   |
| The Contractor shall carefully examine and become thoroughly familiar with local conditions, existing  | of the Electrical or Fire Alarm Contractor otherwise noted.   | H. Clothes dryer vent duct joints shall be taped with foil tape, no screws permitted. Code required duct equivalent   |   |
| installations and all other conditions which may affect associated work. The Contractor shall locate all existing utilities and protect them during the execution of the work  | END OF SECTION  | lengths shall not be exceeded unless dryers specified are rated for extended lengths.<br>1. Clothes dryer flexible connecting duct shall be listed and labeled in accordance with UL 2158A and shall                                    |   |
| The Contractor shall carefully examine all contract documents including project drawings and specifications to become familiar with the type of construction, materials, and equipment to be used for all work and how it will     |   | not be concealed within construction.   |   |
| affect the installation of this contract.  |   | 2. Provide aluminum dryer terminal vent outlet with integral backdraft damper.  |   |
| By the act of submitting a bid, the Contractor will be deemed to have made such examination, to have accepted such conditions, to have made allowance therefore, and included all costs in his proposal. Failure to                |   | <ul><li>3.0 DUCTWORK ACCESSORIES:</li><li>A. Provide single thickness turning vanes in all supply duct turns.</li></ul>   |   |
| determine existing conditions will not be considered a basis for the granting of additional compensation.<br>OPERATION DURING CONSTRUCTION:  |   | B. Provide duct access doors for all internal mounted equipment. Access doors shall be insulated double wall,   |   |
| The Contractor is responsible for the installation and operation, service and maintenance of all new equipment   |   | constructed airtight in accordance with SMACNA standards for the appropriate pressure class where they are installed. They shall have butt or piano hinged with cam latches. Minimum size shall be 12"x12" or 12"x duct                 |   |
| during construction and prior to acceptance by the Owner of the completed project. Warranty periods shall not commence until final acceptance by the Owner or Owner Representative.  |   | depth unless noted otherwise.   |   |
| The Contractor shall provide, at his own expense, all temporary utilities required to provide for and protect the  |   | <ul> <li>C. Branch take-offs to air terminal units shall be high efficiency type.</li> <li>D. All take-offs to diffusers and grilles shall be made with high efficiency take-offs, 45° take-offs or conical fittings</li> </ul>         |   |
| work and as necessary to maintain an adequate work force.<br>The Contractor shall arrange for and provide, at his own expense, temporary heating and cooling as necessary  |   | unless specifically indicated otherwise on drawings. Provide locking quadrant volume damper at take-offs in accessible ceilings, unless shown otherwise. Extractors and scoops are not permitted  |   |
| for prosecution of the work. Permanent air handing, heating and cooling equipment shall not be used for<br>temporary heating and cooling unless pre-approved by the owner or his representative.                                   |   | E. Duct splits, elbows and reducing fittings shall be fabricated per SMACNA standards. "Ductmate" or acceptable   |   |
| SAFETY REGULATIONS:  |   | equal flanged and gasketed joint systems are approved.<br>F. Provide dampers where shown and required. Dampers shall be by Greenheck or acceptable equal by Ruskin,   |   |
| All work shall be performed in compliance with all applicable governing safety regulations, including OSHA regulations. Provide safety lights, guards and signs required.  |   | American Warming & Ventilating, Air Balance, Inc., Carnes, Krueger, Nailor, United Enertech.  |   |
| HOUSEKEEPING:  |   | <ol> <li>Balance and control dampers shall be rated in accordance with AMCA 500D. They shall be opposed blade<br/>except air mixing dampers shall be parallel blade.</li> </ol>   |   |
| The Contractor shall be responsible for keeping stocks of material and equipment stored on the premises in a<br>neat and orderly manner.   |   | a. Manual dampers shall have standoff and locking quadrant.   |   |
| The Contactor shall clean and maintain their specific portions of the work on a daily basis or as specified in the   |   | 2. Damper Schedule:   |   |
| General Conditions.<br>The Contractor shall remove from the premises all waste material present as a result of his work.   |   | <ul> <li>Manual Damper Round:<br/>Greenheck MBDR-50, Galv. Steel formed blade, manual locking quadrant actuator, 1" WG, 2000 fpm.</li> </ul>  |   |
| CONNECTION AND ALTERATION TO EXISTING SYSTEMS:   |   | 4.0 DUCT SUPPORTS AND ROUTING   |   |
| Connection to the existing building systems must be accomplished under this contract. System "downtime" due to connection shall be kent to an abachite minimum. The Ourne's Representative shall judge if at what time             |   | <ul> <li>A. Hangers and Supports.</li> <li>1. Ductwork shall be supported in accordance with all SMACNA standards including support methods, sizes.</li> </ul>  |   |
| to connection shall be kept to an absolute minimum. The Owner's Representative shall judge if at what time, and for what length of time a shut-down can be tolerated.  |   | <ol> <li>Ductwork shall be supported in accordance with all SMACNA standards including support methods, sizes<br/>and spacing.</li> </ol>   |   |
| Provide all temporary piping and wiring systems required during construction in order to keep all existing systems functioning.  |   | <ol> <li>All hanger and support parts shall be galvanized steel for non-corrosive environments or stainless steel for<br/>corrosive or damp environments.</li> </ol>  |   |
| Demolition, cutting and patching to restore surfaces to original condition as necessitated for access to work  |   | 3. Provide sheetmetal straps, adjustable hangers, clamps, channels, rods, flexible connectors,  |   |
| performed by the Contractor or his subcontractors shall be the responsibility of the Contractor.   |   | supplementary steel, etc as required for proper support of all ductwork. Trapeze may be used for support of single or multiple ducts. Provide accompanying attachments including bolts and nuts, sheetmetal screws                      |   |
| SUBSTITUTIONS:<br>Materials, products and equipment described in the Bidding Documents established a standard of quality to be   |   | or rivets compatible with duct materials.<br>4. Cable systems may be used at contractor option. They shall be a complete assembly including cables,   |   |
| met by any proposed substitution.  |   | adjustable locking fasteners or clips and all upper and lower attachments by Gripple or acceptable equal.   |   |
| Contractor's bids shall be based on the material identified or specified in the contract documents. Any proposals for substitution shall be made in writing to the Architect/Engineer with all supporting documentation,           |   | B. Routing.   |   |
| allowing adequate time for appropriate action. The products of other manufacturers may be accepted, if in the opinion of the Architect/Engineer, the substitute material is of quality as good or better than the material         |   | <ol> <li>Ductwork shall be routed as shown on drawings, parallel to building lines unless otherwise shown,<br/>coordinated with building structure and other trades. Adjust ductwork routing and elevations with necessary</li> </ol>   |   |
| specified, and will serve with equal efficiency and dependability the purpose for which the items specified were intended. The burden of proof of equality is entirely upon the proposer.  |   | offsets to accommodate beams and other obstructions.<br>5.0 GRILLES. REGISTERS. INLETS AND OUTLETS:   |   |
| Refer to Division 1 requirements for additional substitution procedures.   |   | A. All supply, return and exhaust grilles, registers and diffusers shall be as scheduled on the drawings.   |   |
| Wherever substitutions alter the design or space requirements, the Contractor shall be responsible for and include all associated cost items of the revised design and or construction work required by his or other trades        |   | Commercial quality - E.H. Price or acceptable equal by Titus, Carnes, Krueger or Nailor.  |   |
| affected by the proposed substitution.   |   | <ol> <li>All air distribution devices shall be selected for throw and low noise (25 NC or less) performance<br/>characteristics unless otherwise indicated.</li> </ol>  |   |
| SHOP DRAWINGS AND PRODUCT DATA:<br>The checking of shop drawings is a gratuitous assistance and in no way relieves the Contractor of   |   | <ol> <li>A balancing damper shall be provided for each and every diffuser, register and grille where airflow control<br/>is required. Unless otherwise indicated, provide integral volume damper where a duct mounted damper</li> </ol> |   |
| responsibility for deviations from the Contract Documents.   |   | would not be accessible.  |   |
| Shop drawings and catalog data on all major items of equipment and apparatus, and such other illustrative materials as may be considered necessary by the Owner's Representative shall be submitted by the                         |   | <ol><li>Ceiling supply diffuser connection shall be made with hard elbow or flex duct with Thermaflex flex flow<br/>elbow support.</li></ol>  |   |
| Contractor in adequate time to prevent delay and changes during construction.  |   | 6.0 FILTERS:  |   |
| Refer to Architectural Documents for additional shop drawing submission procedures.<br>OPERATING AND MAINTENANCE BROCHURE:   |   | A. Replace filters in air intake to each units A/C system with size and number of filters standard with air unit<br>manufacturer. Provide 1" and/or 2" thick to suit equipment requirements, hi-velocity, throw-a-way MERV 8            |   |
| On completion of the project, the Contractor shall provide manuals electronically (PDF format unless otherwise   |   | filters, Farr 30/30 or acceptable equal by American Air Filter, Airguard, Air Filters, Inc, Purolator. Filters shall<br>be new and clean at time of Owner's acceptance. Supply extra set of filters for each unit.                      |   |
| instructed) containing operating, service and lubrication instructions, and parts lists for all major equipment and manufacturer's guaranties or warranties.   |   | 7.0 CONTROLS AND LOW VOLTAGE SYSTEMS:   |   |
| RECORD DRAWINGS:   |   | A. All temperature controls unless otherwise noted shall be the responsibility of the Mechanical Contractor.  |   |
| On completion of the project, the Contractor shall provide record drawings electronically in PDF format (unless otherwise instructed) with all field changes neatly noted. The original routing and layout shall be clearly marked |   | B. All occupant adjustable devices shall be mounted in accordance with ADA and ADAAG requirements.  |   |
| out.   |   |   |   |

|  | RELEASE FOR<br>CONSTRUCTION<br>AS NOTED ON PLANS REVIE<br>DEVELOPMENT SERVICES   |
|--|--|
| 04 03 02 01  | LEE'S SUMMIT, MISSOURI<br>02/12/2021   |
|  | Perspective  |
| o final acceptance with temporary filters. Remove  |  |
| s where accessible at each diffuser or grille or air<br>or best access.<br>ˈk.   | 2000 SHAWNEE MISSION PARKWAY<br>SUITE 100<br>MISSION WOODS, KS 66205   |
| ventilation systems and instruct the Owner in its ng tests. The tests shall demonstrate the specified  | 816 502 1500<br>WWW.PAD.STUDIO   |
| test and balance noting any mechanical system<br>eliminary report prior to final issue of the test and<br>or and the engineer as needed to make all system<br>performance established by the contract document<br>shall incorporate results of all mechanical system |  |
| DN   | B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B<br>B  |
|  | Lankford Fendler<br>+ associates<br>1730 Walnut Street Kansas City, Missouri 64108<br>1915 Frederick Avenue, St. Joseph, Missouri 64501<br>Phone: 816.221.1411 Fax: 816.221.1429<br>LANKFORD   FENDLER + ASSOCIATES, CONSULTING ENGINEERS, INC.<br>COPYRIGHT O 2020 Project No. 21.6662.00<br>COA No. 2006001168 |
|  | PROJECT<br>JORDAN'S<br>CHIROPRATIC   |
|  | SUMMIT CREST PLAZA<br>3552 SW MARKET STREET<br>LEE'S SUMMIT, MO 64082  |
|  | MARK DATE DESCRIPTION<br>02.03.2021 PERMIT   |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  | SPECIFICATIONS   |
|  | PROJECT NUMBER<br>2021000.000<br>SHEET AUTHOR<br>DMB<br>CHECKED BY<br>BJP  |
|  | DATE<br>JANUARY 19, 2021   |
|  | SHEET NUMBER MEP101  |

tem by operating at least three hours prior to final replace with clean.

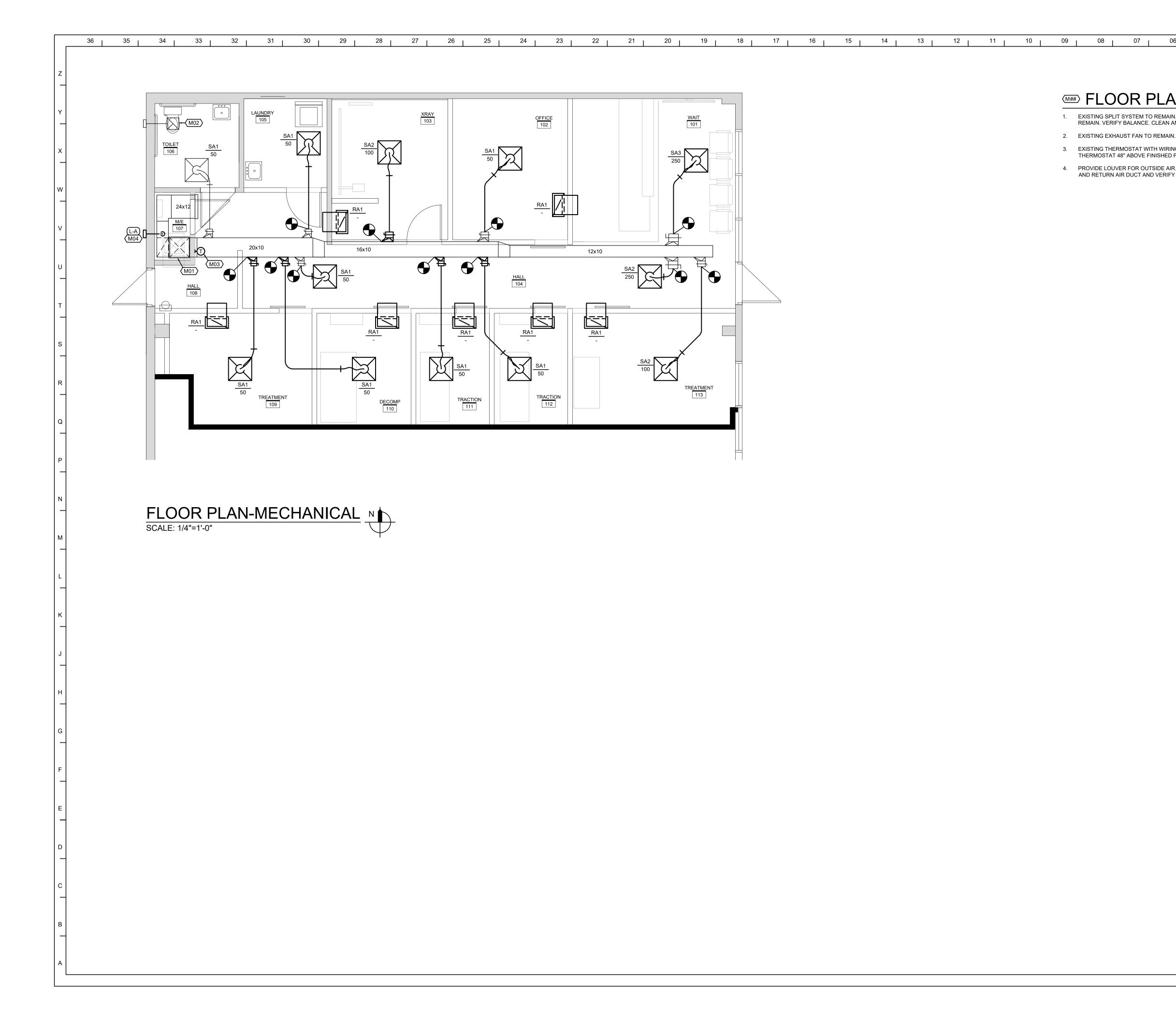
xisting Systems g duct systems by vacuuming inside ducts where Remove and replace devices as required for best a

operate and test the air conditioning and ventila orm a series of general capacity and operating tests ious pieces of equipment.

palance contractor shall perform an initial test and e mechanical contractor shall review the preliminar and work with the test and balance contractor and the difications necessary to achieve the design performa-reporting. The final test and balance report shall in

| PLUMBING<br>PE:  | 8.0 PIPE SUPPORTS AND ROUTING:  | ELECTRICAL<br>1.0 SCOPE:   |
|--|---|--|
| ork included under this contract consists of providing all labor, materials, tools, transportation, services,  | A. Hangers and Supports.  | A. The work included under this contract consists of the furnishing of all labor, materials, tools, transportation,  |
| necessary to complete the installation and to provide complete working systems of the Plumbing Systems,<br>ing hot and cold water, waste and vent, storm drainage, fixtures, equipment and other items described in  | <ol> <li>Piping shall be supported in accordance with industry standards including support methods, sizes and<br/>spacing. All supports and installation shall conform to MSS SP58 and 69 and Fed Spec WW-H-171E and</li> </ol>   | services, etc., necessary to complete the installation of the electrical systems and other items herein listed,<br>all as directed by the Architect or Engineer, which work is comprised of, but not limited to the following  |
| specifications, as illustrated in the accompanying drawings or as directed by the Architect/Engineer.<br>d piping systems as indicated on contract documents or to point of connection as follows:   | A-A-1192A.<br>2. Pipe Slopes: Install hangers and supports to provide indicated or required pipe slopes to provide for  | principal items:   |
| bints of connection within the existing building.  | drainage and venting.   | 1. Electrical system for light and power:  |
| G, FITTINGS AND VALVES:  | <ol> <li>Deflection: Maximum pipe deflections and stresses as allowed by ANSI B31 are not exceeded</li> <li>Each piping system shall be independently supported with no piping bearing on another and installed such</li> </ol>   | a. Systems of conduit, conductors, and boxes.<br>b. Receptacles and wiring devices.  |
| le service valves for each item of equipment, at branch piping and elsewhere as indicated or required.<br>In balance valves, strainers, check valves and other valves as indicated or required by the application.   | that no weight of piping is borne by the equipment.<br>5. Space hangers and supports within maximum piping span length indicated in MSS SP-58. Install building   | c. Lighting fixtures and lamps.  |
| le a union or flanged connection between each item of equipment and its service valve. Copper to<br>s pipe connections shall have isolation coupling, flange or union.   | attachments at required locations for proper piping support.<br>6. Provide adjustable hangers, inserts, brackets, rolls, clamps, channels, rods, guides, anchors, flexible  | <ul><li>d. Power service to the various motors.</li><li>e. Complete lighting and power systems.</li></ul>  |
| stic water, interior, above ground -   | connectors, supplementary steel, etc., as required for proper support of all pipe lines. Trapeze may be<br>used for support of multiple pipes. Provide accompanying attachments including bolts and nuts, sheetmetal  | f. All systems, wiring and conduit as required.  |
| pe, copper tube -<br>2-1/2" and Smaller -Type "L" hard temper, wrought or cast copper fittings, Lead free 95/5 or Eagle  | screws or rivets suitable for application.  | <ol><li>Control wiring and electrical installation and connections for items in other contracts as may be listed in the<br/>drawings.</li></ol>  |
| Hard Silvabrite or "CB" solder joints.   | <ol> <li>Upper attachments shall be manufactured items specific to the applicable structure. Include concrete<br/>inserts, wedge type drilled in inserts, steel beam and joist clamps, plates, rods, clips, straps and brackets</li> </ol>  | 3. Empty conduit and boxes for future installation of telephone wiring and miscellaneous systems.  |
| ecurely anchor and support piping, valves and fittings, with adequate provisions for expansion and ontraction. Grade lines, free of traps, to low point at cut-off and drain valve.  | as required by the application.<br>8. Hangers shall be designed to allow for expansion and contraction of pipe lines and shall be of adequate   | <ul><li>4. Rough-in and final connection to equipment furnished by others.</li><li>B. Raceway wiring systems shall be concealed in all finished parts of the building, where possible. Where the</li></ul>   |
| ot and cold supply lines to have manufactured pre-charged piston type water hammer arresters sized and stalled in accordance with PDI-WH 201. Install at each solenoid actuated quick closing valve location   | size to permit covering when required. Provide protective saddles and blocking where supporting insulated piping to prevent crushing insulation.  | raceways are exposed, they shall be run parallel with the building walls in a neat and workmanlike manner.<br>Should it appear necessary to expose any conduit or wiring in finished spaces, it shall be brought to the  |
| cluding but not limited to dishwashers, clothes washers, ice makers, electronic faucets and similar items. rovide access panel where required.   | <ol> <li>All hanger and support parts shall be galvanized steel for non-corrosive environments or stainless steel for<br/>corrosive or damp environments.</li> </ol>  | Architect's attention immediately and this Contractor shall rearrange associated work as directed to facilitate<br>an approved installation. Contractor to coordinate with mechanical trades to avoid ductwork and piping.   |
| ary sewer, vent, interior  | B. Routing.   | 2.0 RACEWAYS:<br>A. All electrical conductors are to be installed in metal raceways, unless specifically specified or noted  |
| pe - Standard weight cast iron hubless with no-hub shielded mechanical joints; solid wall schedule 40<br>VC, ABS with solvent cement joints; vents may be galvanized malleable iron.   | <ol> <li>Piping shall be routed as shown on drawings, parallel to building lines unless otherwise shown,<br/>coordinated with building structure and other trades. Adjust pipe routing and drop locations with necessary</li> </ol>   | otherwise. Galvanized steel or intermediate steel conduit as permitted by code. No conduit smaller than 3/4"   |
| astic piping shall not be allowed in return air plenums.   | pipe offsets or changes in elevation to accommodate beams and other obstructions.   | to be used. Use compression type fittings. Provide flexible conduit connection for final connection to each motor not to exceed 3' in length and recessed lighting fixtures not to exceed 6' in length. Provide pull wires in all empty conduit systems. Identify terminus of each null wire. All exposed raceways shall be installed with |
| ub drains, where shown, shall be of material compatible with piping system, 2" minimum connection size,<br>p flared out to accept indirect wastes required at each location. Hub drains shall be fitted with trap<br>lards. Floor mounted bub drains shall extend 2" above finish floor.                               | 9.0 EQUIPMENT AND PIPE LABELS:  | all empty conduit systems. Identify terminus of each pull wire. All exposed raceways shall be installed with runs parallel and/or perpendicular with building walls. Fasten all rigid/non-flexible conduit every 8' and 2' from each box. Conduit shall be EMT where not subject to mechanical damage as permitted by National             |
| ards. Floor mounted hub drains shall extend 2" above finish floor.<br>I gravity drainage shall be graded per code but not less than 1/8" per foot unless noted otherwise. 3" and   | A. Equipment labels shall be provided for all plumbing equipment and shall be self adhesive engraved plastic,<br>blue with white lettering, sized, minimum 1-1/2" high, and located for viewing from ground or floor level. Label<br>shall indicate deriving designation equipment explanate.   | from each box. Conduit shall be EMT where not subject to mechanical damage as permitted by National Electric Code (N.E.C.). EMT connectors and couplings 4" and smaller shall be compression type. Type MC Cable with around wire is allowed in concealed spaces only behind walls and above ceiling                                       |
| piping shall be sloped at 1/4" per foot where possible and where required by local codes.  | shall indicate drawing designation or unique equipment number.  | Cable with ground wire is allowed in concealed spaces only, behind walls and above ceiling.<br>B. Conduit bushings shall be provided and installed inside all disconnects, pull boxes, panelboards, switchboard  |
| IOUTS, TEST TEES, TRAPS AND TRAP SEALS:  | B. Pipe labels for domestic water, waste, vent and gas piping shall be preprinted, color-coded, with 1-1/2" lettering indicating service, and showing flow direction, locate pipe labels where piping is exposed or above accessible ceilings in finished spaces; machine rooms; accessible maintenance spaces such as shafts, tunnels, and | or similar type equipment and where permitted by National Electric Code (N.E.C.).<br>3.0 WIRES AND CABLES:   |
| gate change of direction in horizontal piping, where indicated on the drawings or as required by code.<br>, extra heavy cast brass, screwed. Scoriated tops in unfinished areas, carpet markets in carpet floors,  | ceilings in finished spaces; machine rooms; accessible maintenance spaces such as shafts, tunnels, and plenums; and locations as follows:   | <ul> <li>A. Electrical conductors, soft annealed copper with conductivity 98% of that of pure, stranded copper, 90 degree</li> <li>- 600V insulation and equal to General Cable Company. Wire and cable for all feeders, subfeeders, motor</li> </ul>  |
| p in tile floors, stainless steel cover in finished walls. Cleanouts same size as pipe up to 4" diameter, 4"<br>pouts for larger pipe unless otherwise noted.  | <ol> <li>Near each valve and control device.</li> <li>Near each branch connection, excluding short takeoffs for fixtures and terminal units. Where flow pattern is</li> </ol>   | - 6000 insulation and equal to General Cable Company. Wire and cable for all feeders, subfeeders, motor circuits and high ambient location type shall be THHN. All other branch circuit wiring shall be type XHHN or THHN. Minimum wire size shall be #12 gauge AWG. Control wiring may be #14 gauge.                                      |
| ps shall be deep seal type with liquid seal not less than specified by code.   | not obvious, mark each pipe at branch.<br>3. Near major equipment items and other points of origination and termination.  | B. For conductors #4 or small use the following color-code:  |
| e trap primers are not specified provide all floor and hub drains with trap seal with EPDM diaphragm,  | <ol> <li>A near major equipment items and other points of origination and termination.</li> <li>On piping above removable acoustical ceilings, omit intermediately spaced labels.</li> </ol>  | • 208Y/120V, 3-phase: black, red, blue, white.   |
| nt Proset Series SG22 or TG22, Rectorseal SS series or acceptable equal.   | C. Warning labels shall be self-adhesive engraved plastic or preprinted plastic as required by application with white lettering on red background provided at locations as required by code or where hazards to personnel   | <ul> <li>Green shall be used for ground wire conductor.</li> <li>C. Conductor Material Applications:</li> </ul>  |
| VES AND SEALS, FLASHINGS, ROOF PIPE SUPPORTS AND UV PROTECTION:<br>le sleeves where piping penetrations are required thru partitions, concrete floors, concrete slabs on or  | exist.  | <ul> <li>a. Branch Circuits: Copper. Solid for No. 12 AWG and smaller; stranded for No. 10 AWG and larger.</li> <li>D. Conductor insulation and multi-conductor cable application and wiring methods:</li> </ul>   |
| grade or foundation walls. Where penetrations are through fire rated assemblies, sleeves shall be in<br>dance with UL listing requirements. Sleeves shall be galvanized steel pipe, sheet steel or cast iron.  | 10.0 PROTECTION OF WORK   | a. Exposed Branch Circuits, Including in Crawlspaces: Type THHN, single conductors in raceway.   |
| ance with OL ising requirements. Sleeves shall be gaivanized sleep pipe, sheet steer of cast non.<br>es are not required for core drilled penetrations of existing concrete slabs above grade. Penetrations of<br>grade structures and slabs on grade shall be water proofed with mechanical link seal system, Thunder | <ul> <li>A. Protection</li> <li>1. Protect and cover piping and fixture waste and water openings to prevent entry of dirt and debris.</li> </ul>  | <ul> <li>f. Branch Circuits Concealed in Ceilings, Walls, and Partitions: Metal-clad cable, Type MC.</li> <li>4.0 GROUNDING:</li> </ul>  |
| acceptable equivalent.   | <ol> <li>Cover and protect fixtures and plumbing equipment to prevent damage.</li> </ol>  | <ul> <li>A. Ground all electrical apparatus in accordance with N.E.C. and as specified herein. Provide a separate grounding conductor for all lighting, receptacle and equipment circuits. All cabinets, switchboards, equipment</li> </ul>  |
| CONNECTIONS AND INTERCONNECTIONS:  | 11.0 TEST, ADJUSTMENTS AND CLEANING:  | cases, motor frames, interior metal cold water piping systems, and system neutral conductors shall be<br>effectively grounded. Use solderless pressure type connectors, no perforated strap connectors will be   |
| bing device or piping shall be installed which will provide cross-connection or interconnection between<br>uting supply or waste so as to make possible the backflow or back-siphonage of polluted water into the  | <ul> <li>A. Soil, waste and vent piping testing:</li> <li>1. Fill with water to the top of the highest point of the system extending through roof, but not less than 10 feet</li> </ul>   | allowed. Ensure continuous bond where flexible conduit is used. Provide bonding jumper inside all flexible conduit. Grounding per N.E.C. 250, and any local requirements.  |
| water supply system. Where the possibility of back-siphonage exists, water supply to the fixture shall duced through a suitable backflow preventer device suitable for the hazard protected. Installed   | <ul><li>water column, and allow to remain for a period of two hours.</li><li>Where applicable, isolate new portions of the system(s) piping with test tee and Oatey Clean Seal</li></ul>  | <ul> <li>B. All patient care areas shall meet grounding requirements of NEC Article 517.13. Where type MC cable is used, the metal sheathing shall be listed as an acceptable grounding path.</li> </ul>   |
| preventers must be approved through the University of Southern California Foundation for<br>onnection Control and Hydraulic Research.  | inflatable plug prior to testing.   | 5.0 SPLICE AND TAPS:   |
| ING EQUIPMENT:   | <ul> <li>B. Water line testing:</li> <li>1. Water piping shall be purged and tested with compressed air or water at 50 PSIG above the operating</li> </ul>  | A. Make splices at junction boxes, pull boxes, or outlet boxes only.   |
| eaters, pumps, expansion tanks and other equipment shall be as scheduled or by acceptable equal by<br>he following:  | <ol> <li>Water piping shall be purged and tested with compressed air or water at 50 PSIG above the operating<br/>pressure but not to exceed the pressure rating of piping system materials for a period of 2 hours with no<br/>measurable pressure drop.</li> </ol>   | 6.0 CABINETS, JUNCTION AND PULL BOXES:<br>A. Flush or surface mounted as indicated on drawings. Provide where shown on drawings and where required   |
| Heaters and Accessories:   | C. After successful testing, sterilize water system with an approved solution in accordance with local health   | by code. Construct of cold gauge steel for flush surface mounting.   |
| r Heaters: A.O. Smith, State, Rheem.   | officials.  | <ul> <li>7.0 OUTLET BOXES:</li> <li>A. General Electric, Appleton, Steel City or Raco hot dipped galvanized steel boxes, or equal. Install at terminal</li> </ul>  |
| pansion Tanks: Watts, Amtrol, Armstrong, Taco, Wessels.  | D. Contractor to submit all test data and other documentation for record.   | of each conduit run, each outlet, or device. Provide size, type and design to suit structural conditions.<br>Adequate to accommodate size and number of raceways, conductors, device or fixture served. Provide  |
| Heater Installation<br>e water heater drains and/or pan drains to indirect waste per code and as noted or detailed. Water  | <ul><li>12.0 FIXTURE BRANCH PIPING:</li><li>A. Fixture branch and connection sizes shall be as shown in the plumbing fixture schedule on the drawings and</li></ul>   | plaster rings or covers on boxes where required on exposed work, use approved cast ferrous alloy outlet, junction boxes and fittings. Fixture or device cover shall completely conceal the size outlet box used. Install   |
| ater P&T relief valves shall be piped independently, indirectly wasted 6" above receptor per code and as ted or detailed.  | A. Fixture branch and connection sizes shall be as shown in the plumbing fixture schedule on the drawings and not less than required by code.   | 3/8" fixture stud for lighting fixtures where required. Locate ceiling outlets to work with architectural features as directed. Switches installed 48" above floor on strike side of door as finally hung. Receptacles and   |
| tall vacuum relief valve on each bottom fed storage water heater, installed above the top of the water ater on cold water inlet piping.  | B. Minimum waste or vent size below slab on grade shall be 2".  | telephone outlets, 18" above finished floor unless otherwise noted. Verify all outlet locations on job with Architect.   |
| ount water heaters suspended from structure on steel rods as indicated on drawings.  | 13.0 PLUMBING FIXTURES:   | 8.0 DISCONNECT SWITCHES:   |
| ter piping connections to water heaters shall be metallic, no plastic piping is permitted within 18" of a ter heater connection. [Provide 18" minimum flexible corrugated copper or braided stainless steel  | A. Refer to plumbing fixture schedule for plumbing fixtures and accessories. Include all fittings and accessories as<br>required for a complete working system.   | A. Heavy duty NEMA type 'HD' - same manufacturer as panelboards. Plastic nameplate properly engraved with<br>name of equipment served, secured to switch cover. Fuses shall be Bussmann of sizes and types<br>scheduled  |
| nnector hoses with compression ends for water heaters with 3/4" water connections.   | 14.0 FIXTURE AND ACCESSORY MANUFACTURERS:   | scheduled.<br>9.0 MOTOR AND CONTROL WIRING AND CONNECTIONS:  |
| used for potable water system applications shall be of lead free all bronze or stainless steel action.   | A. Fixtures, equipment and accessories are specified by manufacturer's numbers as to the type and quality required.   | <ul> <li>A. This Contractor to provide all necessary conduit, boxes and supports to equipment furnished by Owner and<br/>as indicated on drawings. Provide a disconnect switch and starter if required.</li> </ul>   |
| e equipment accessories including but not limited to operating controls, limit switches, oil sensors, high   | B. Specified manufacturers and approved equal manufacturers are as follows:   | 10.0 LABELING:   |
| controls, timers, aquastats, energy management system interface, etc. as indicated on drawings and as ed for a complete operating system.  | FIXTURE, ITEM OR EQUIPMENT APPROVED EQUAL MANUFACTURERS   | A. Contractor shall label each and every j-box above ceiling with a permanent marker with panel and circuit<br>number.   |
| ATION:   | Stainless Steel Sinks Elkay, Just, Kohler, Advance Tabco  | <ul> <li>B. Outlets, adhesive film label, machine printed clear background with black letters, by thermal transfer or<br/>equivalent process. Minimum letter height shall be 1/4 inch. Face plate shall be labeled with panel and circuit</li> </ul>   |
| sulation shall conform to the International Energy Conservation Code.  | Supply Faucets & Trim Chicago Faucets, Delta, Elkay, Kohler, Sloan, T & S Brass, Watts, Zurn  | number.  |
| all cold water, hot water piping, Owens Corning or acceptable equal.<br>I water piping insulation: 1" fiber glass sectional pipe covering with universal vapor barrier jacket.   | END OF SECTION  | C. Interior equipment self-adhesive, engraved, laminated acrylic or melamine label: adhesive backed, with white<br>letters on a dark-gray background. Minimum letter height shall be 3/8 inch (10 mm).   |
| t Water piping insulation: 1" fiber glass sectional pipe covering with universal all service jacket.   |   | 11.0 WIRING DEVICES:<br>A. Duplex receptacles shall be Hubbell #5352-X grounding type, 20A., 125V.; G.F.C.I. shall be Hubbell  |
| ntractor's option, Armacell AP Armaflex unicellular insulation or acceptable equal with 25/50 flame and<br>rating with equal thermal performance may be substituted for fiberglass products.   |   | GF-5352-X, 20A., 125V.; duplex, G.F.C.I. TYPE. Wall toggle switches shall be Hubbell Number 1221-X and Number 1223-X for single pole and three way types respectively. Other switch, receptacle, and outlet device   |
| I joints on cold water insulation to maintain vapor barrier.   |   | variations shall be by Hubbell of "Spec. Grade" quality. Equivalent devices of P & S or Leviton will be acceptable in lieu of the above listed devices. Contractor to verify color of devices and cover plates with  |
| on shall run continuously thru hangers and supports without interruption.  |   | Architect before purchase.   |
| to plumbing fixture schedule for insulation of fixture drains and water piping for compliance with ADA ements for People with Disabilities.  |   | 12.0 LIGHTING FIXTURES:<br>A. This Contractor shall furnish and install complete, unless otherwise specified, a lighting fixture on each and   |
| но то т соріє міні сладліцісэ.   |   | every lighting outlet shown on the drawings of each type scheduled by letter and description. All fixtures shall be equipped with lamps as scheduled or specified herein. All fixtures installed in suspended ceilings must be   |
|  |   | securely fastened to framing members per NEC 410-36b and local seismic code requirements.  |
|  |   | <ul><li>13.0 FIRE ALARM SYSTEM:</li><li>A. Fire alarm system shall be a delegated design, contractor shall be responsible for layout and design of the</li></ul>   |
|  |   | fire alarm system. Submit all necessary documentation including stamped and signed drawings to the authority having jurisdiction and obtain necessary permits for approval and installation of the system prior to   |
|  |   | submitting shop drawings.<br>B. Engineer's drawings showing fire alarm devices are schematic, and only provide code intent, coordination,  |
|  |   | and all devices may not be indicated. Final layout shall be provided by the Fire Alarm contractor. Fire alarm contractor shall become the Designer of Record as such, the contractor shall be responsible to verify device   |
|  |   | layouts comply with all applicable codes and shall include in bid all cost associated with additional devices should they be required. Final layout shall be coordinated with the architect and plans.   |
|  |   | C. Contractor shall include in bid all cost associated with Fire alarm modifications.  |
|  |   | D. All new equipment shall be ADA compliant, be by one manufacturer, and warranted for a minimum of one year.  |
|  |   | END OF SECTION   |
|  |   |  |
|  |   |  |
|  |   |  |





|   | RELEASE FOR<br>CONSTRUCTION<br>AS NOTED ON PLANS REVIEW<br>DEVELOPMENT SERVICES  |
|---|--|
| 06 05 04 03 02 0  | LEE'S SUMMIT, MISSOURI           1         02/12/2021  |
|   | Perspective<br>NDISEG + EMILIPALIHOWY  |
| AN NOTES  |  |
| NN. EXISTING SUPPLY AND RETURN TRUNK DUCTS TO<br>AND ADD NEW FILTERS AS NECESSARY.<br>IN. CLEAN AS NECESSARY. |  |
| ING AND CONTROLS TO BE RELOCATED, MOUNT<br>D FLOOR.   | 2000 SHAWNEE MISSION PARKWAY<br>SUITE 100<br>MISSION WOODS, KS 66205   |
| IR. CONNECT BALANCING DAMPER TO OUTSIDE AIR<br>FY CFM IS BALANCED ACCORDING TO THE SCHEDULE.                  | 816 502 1500<br>WWW.PAD.STUDIO   |
|   |  |
|   | BORGORY J.<br>RENDLER<br>NUMBER<br>PE-2006037230<br>PE-2006037230<br>D2/03/2024  |
|   | Lankford Fendler<br>+ associates<br>1730 Walnut Street Kansas City, Missouri 64108<br>1915 Frederick Avenue, SL Joseph, Missouri 64501<br>Phone: 816.221.1411 Fax: 816.221.1429<br>Phone: 816.221.1411 Fax: 816.221.1429<br>CONVERTING 2020 Project No. 21.6662.00<br>COA No. 2006001168 |
|   | PROJECT<br>JORDAN'S<br>CHIROPRATIC   |
|   | SUMMIT CREST PLAZA<br>3552 SW MARKET STREET<br>LEE'S SUMMIT, MO 64082  |
|   | MARK DATE DESCRIPTION<br>02.03.2021 PERMIT   |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   | SHEET TITLE  |
|   | FLOOR PLAN-<br>MECHANICAL  |
|   |  |
|   | PROJECT NUMBER<br>2021000.000<br>SHEET AUTHOR  |
|   | CHECKED BY<br>BJP  |
|   | DATE<br>JANUARY 19, 2021   |
|   |  |
|   | SHEET NUMBER   |
|   |  |

|          | MANUFACTURER                | MODEL | FACE  | NECK<br>SIZE | NO.<br>OF              | FRAME                 | FINISH                  | NOTES |
|----------|-----------------------------|-------|-------|--------------|------------------------|-----------------------|-------------------------|-------|
|          |                             |       | (IN.) | (IN.)        | SLOTS                  | TYPE*                 |                         |       |
| SA 1     | PRICE                       | SPD   | 24x24 | 6            | -                      | LAY-IN                | WHITE                   | -     |
| SA2      | PRICE                       | SPD   | 24x24 | 8            | -                      | LAY-IN                | WHITE                   | -     |
| SA3      | PRICE                       | SPD   | 24x24 | 10           | -                      | LAY-IN                | WHITE                   | -     |
| RA1      | PRICE                       | PDDR  | 24x12 | 22x10        | -                      | LAY-IN                | WHITE                   | -     |
| NOTES:   | 1                           |       |       |              |                        |                       |                         | 1     |
| *CONTRAC | 1<br>ITOR SHALL VERIFY CEIL |       |       |              | RS.                    |                       |                         |       |
| *CONTRAC | TOR SHALL VERIFY CEI        |       |       | E            | RS.<br>HEIGHT<br>(IN.) | FREE<br>AREA<br>(FT.) | MAXIMUM<br>S.P.<br>DROP | COLOR |
|          | TOR SHALL VERIFY CEI        | CHE   |       | E<br>/ WIDTH | HEIGHT                 | AREA                  | S.P.                    | COLOR |

2 COORDINATE LOUVER SIZE AND JAMB WITH ARCHITECT. CONTRACTOR TO VERIFY

SIZE OF OPENINGS AND FIELD MEASURE PRIOR TO ORDERING LOUVERS. 3 COLOR AND FINISH TO BE SELECTED BY ARCHITECT.

4 PROVIDE WITH PIPE AND COLLAR.

36 <sub>I</sub>

35 |

34 I

33 <sub>I</sub>

32

31 I

30 I

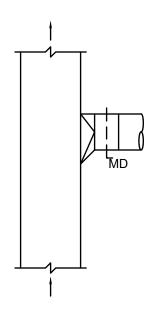
29

28 I

27 <sub>|</sub> 26 |

25 I

24 I





RECTANGULAR

SUPPLY BRANCH

"TAKE-OFFS"

(20% OR LESS AIRFLOW TO BRANCH

LOW & HIGH VELOCITY)

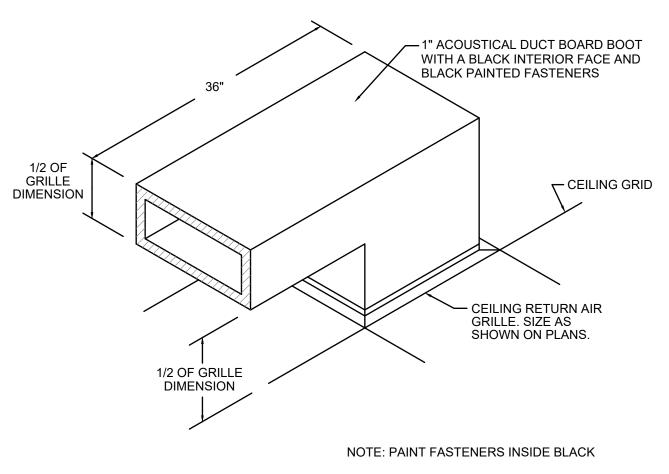
ROUND SUPPLY BRANCH "TAKE-OFFS"

(20% OR LESS AIRFLOW TO BRANCH LOW & HIGH VELOCITY)

DUCT STANDARDS



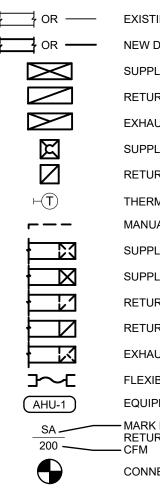
NO SCALE

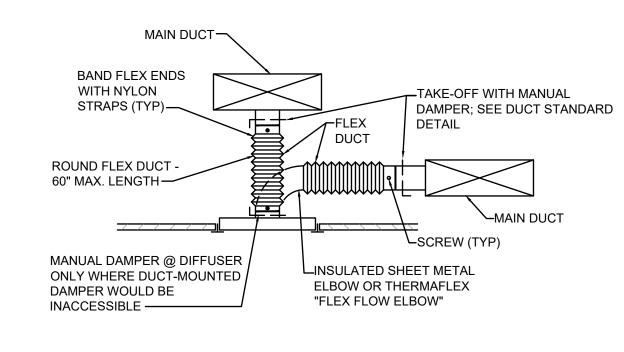




|     | 80         | 09 | , L | 10 | 11 | <sup>2</sup> | 12 | 13 | l 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-----|------------|----|-----|----|----|--------------|----|----|------|----|----|----|----|----|----|----|----|----|
|     |            |    |     |    |    |              |    |    |      |    |    |    |    |    |    |    |    |    |
|     |            |    |     |    |    |              |    |    |      |    |    |    |    |    |    |    |    |    |
| :R/ | <b>ENE</b> | G  |     |    |    |              |    |    |      |    |    |    |    |    |    |    |    |    |
|     |            |    |     |    |    |              |    |    |      |    |    |    |    |    |    |    |    |    |

- REQUIREMENTS.
- CONFLICTS.
- F.
- NOTED.
- L OTHERWISE.





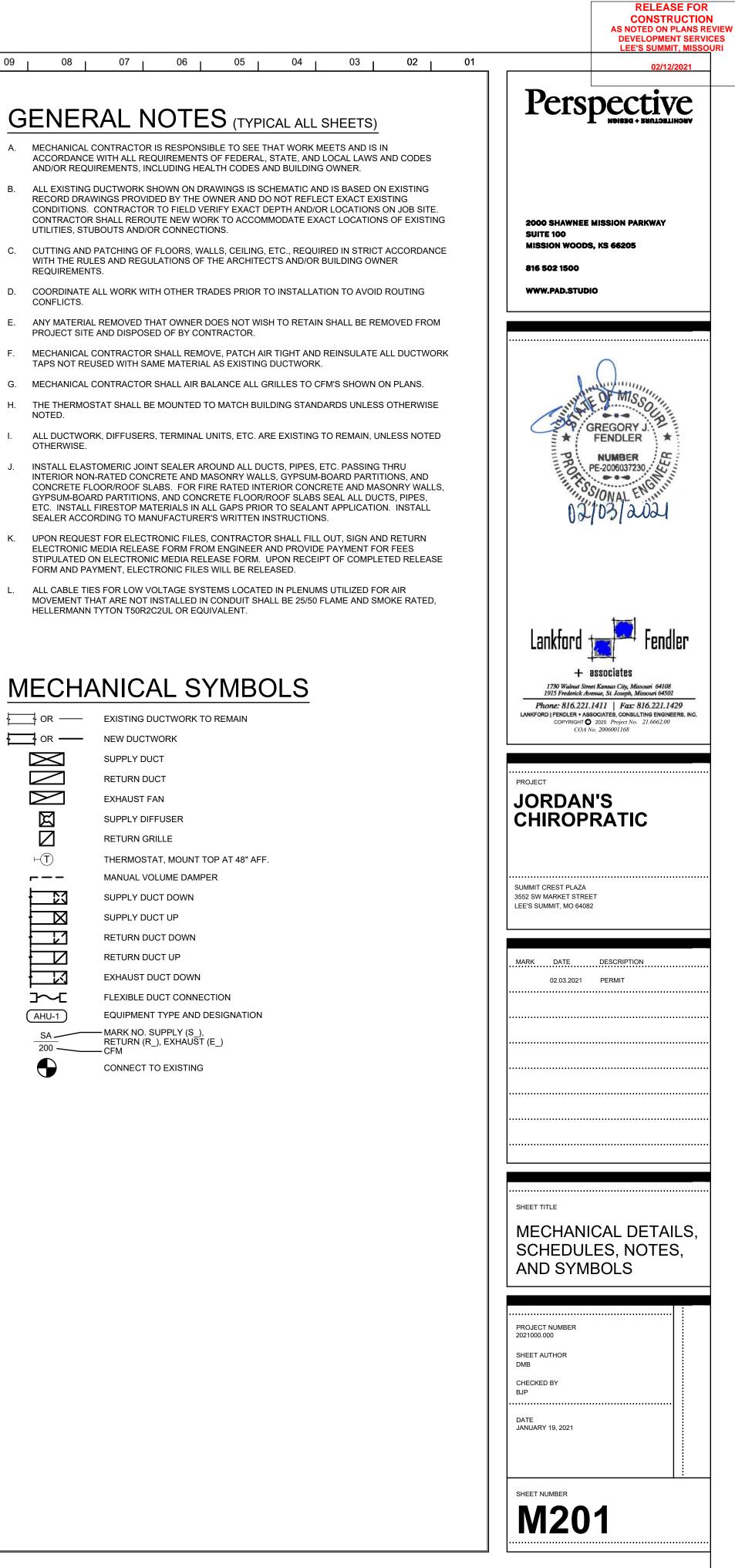
NOTE 1. BRANCH DUCT RUNOUT TO DIFFUSER SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS OTHERWISE INDICATED ON PLAN. 2. IN LOCATIONS WHERE TAKEOFFS ARE INSTALLED ABOVE HARD OR NON-ACCESSIBLE CEILINGS CONTRACTOR TO PROVIDE SCREWS TO PREVENT BRANCH DUCT FROM SLIDING OFF FITTING. INSPECT PRIOR TO CEILING INSTALLATION.

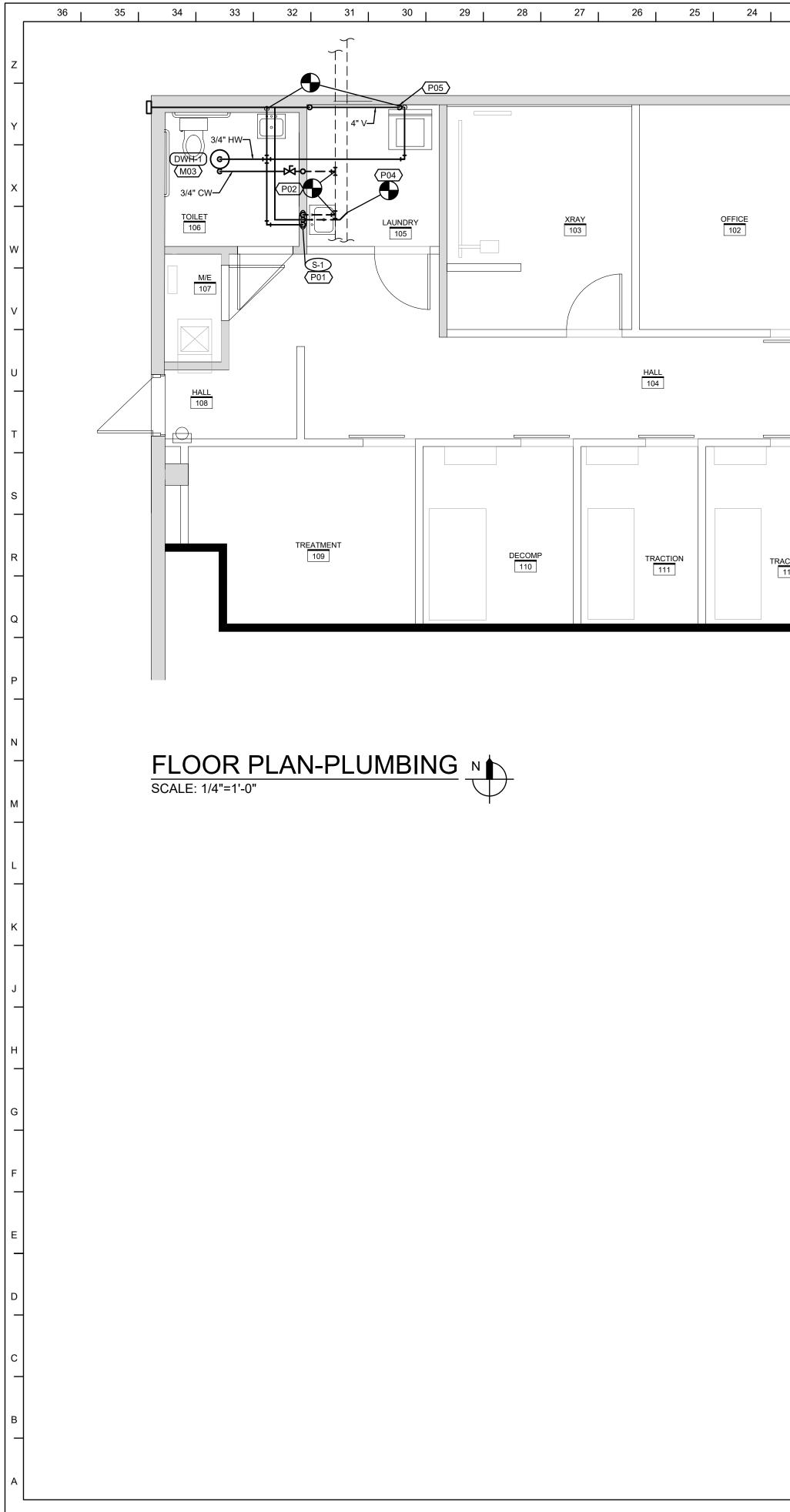


NO SCALE



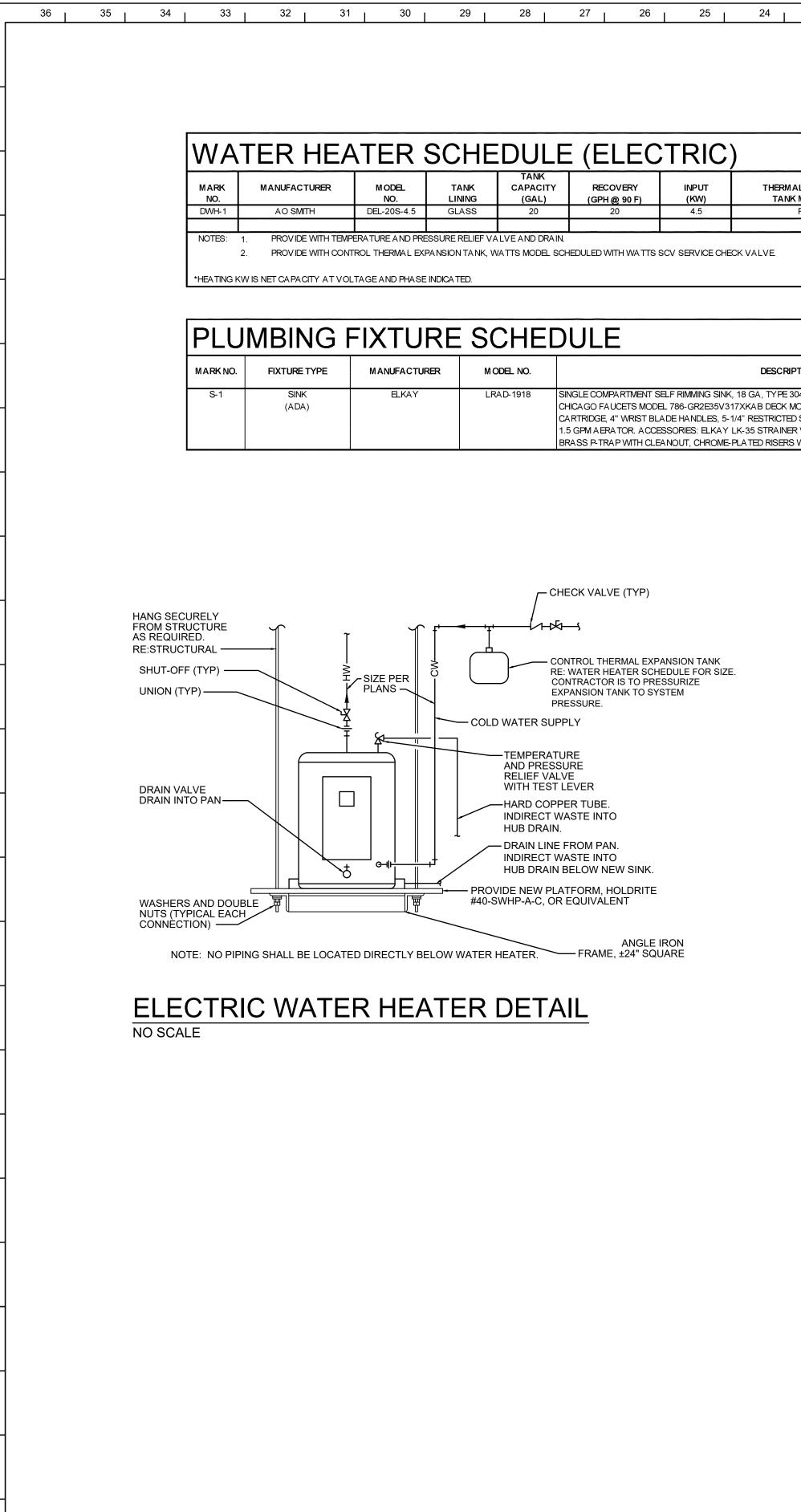
45° ANGLE ENTRY BRANCH CONNECTION





| 23      | 22 | 21 |                 | 20   | 19 | 18 | 17 | 16 | <sup>15</sup> | 14 | 13 | 12 | 11 | 10 | 09            | 08   | 07                         | (                 |
|---------|----|----|-----------------|------|----|----|----|----|---------------|----|----|----|----|----|---------------|--|----------------------------|-------------------|
|         |    |    |                 |      |    |    |    |    |               |    |    |    |    |    |               |  |                            |                   |
|         |    |    |                 | 7755 |    | _  |    |    |               |    |    |    |    |    | < <u>₽</u> ## | FLO  | OR F                       | <u>'L</u>         |
|         |    |    |                 |      |    |    |    |    |               |    |    |    |    |    |               | PROVIDE NEW S<br>WASTE & 1-1/2"                                    |                            |                   |
|         |    |    |                 |      |    |    |    |    |               |    |    |    |    |    | 2.            | CONNECT TO E<br>PRIOR TO CONS                                      | XISTING COL<br>STRUCTION.  | D WAT             |
|         |    |    |                 | WAIT |    |    |    |    |               |    |    |    |    |    |               | PROVIDE ELEC<br>UTILIZING ALL T<br>SIZED DRAIN LI<br>FROM DRAIN P/ | HREAD ROD                  | S PER I<br>P VALV |
|         |    |    |                 | 101  |    |    |    |    |               |    |    |    |    |    | 4.            | CONNECT TO E<br>EXACT LOCATIO                                      | XISTING WAS<br>ON PRIOR TO | STE AN            |
|         |    |    |                 |      |    |    |    |    |               |    |    |    |    |    | 5.            | VENT PIPING C  | ONNECTED T                 | O DRY             |
|         |    |    |                 |      |    |    |    |    |               |    |    |    |    |    |               |  |                            |                   |
| RACTION |    |    | TREATMEN<br>113 | NT   |    |    |    |    |               |    |    |    |    |    |               |  |                            |                   |
|         |    |    |                 |      |    |    |    |    |               |    |    |    |    |    |               |  |                            |                   |

|   | RELEASE FOR<br>CONSTRUCTIO<br>AS NOTED ON PLANS R<br>DEVELOPMENT SERV<br>LEE'S SUMMIT, MISS  |
|---|--|
| 07 06 05 04 03 02   | 01 02/12/2021 Perspective  |
|   |  |
| V SINK AND CONNECT TO NEW 1/2" COLD WATER, 1/2" HOT WATER, 2"   |  |
| 2" VENT PIPING. PROVIDE HUB DRAIN AND WALL CLEANOUT BELOW SINK.<br>EXISTING COLD WATER IN THIS LOCATION, FIELD VERIFY EXACT LOCATION  |  |
| NSTRUCTION.<br>CTRIC WATER HEATER INSTALLED ON PLATFORM FROM STRUCTURE<br>- THREAD RODS PER MANUFACTURER'S REQUIREMENTS. PROVIDE FULL | 2000 SHAWNEE MISSION PARKWAY<br>SUITE 100<br>MISSION WOODS, KS 66205   |
| LINE FROM T&P VALVE TO DRAIN PAN. PROVIDE FULL SIZED DRAIN LINE<br>PAN TO HUB DRAIN BELOW SINK.                                       | 816 502 1500<br>WWW.PAD.STUDIO   |
| EXISTING WASTE AND VENT PIPING IN THIS LOCATION, FIELD VERIFY<br>FION PRIOR TO CONSTRUCTION.  |  |
| CONNECTED TO DRYER BOX.   |  |
|   | GREGORY J.<br>FENDLER<br>NUMBER<br>PE-2006037230<br>PE-2006037230<br>DZ/03/2024  |
|   | Lankford Fendler<br>+ associates<br>1730 Walnut Street Kansas City, Missouri 64108<br>1915 Frederick Avenue, St. Joseph, Missouri 64501<br>Phone: 816.221.1411 Fax: 816.221.1429<br>LANKFORD J FENDLER + ASSOCIATES, CONSULTING ENGINEERS, INC.<br>COPYRIGHT © 2020 Project No. 21.6662.00<br>COA No. 2006001168 |
|   |  |
|   | JORDAN'S<br>CHIROPRATIC  |
|   | SUMMIT CREST PLAZA<br>3552 SW MARKET STREET<br>LEE'S SUMMIT, MO 64082  |
|   | MARK DATE DESCRIPTION  |
|   | 02.03.2021 PERMIT  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   | SHEET TITLE  |
|   | FLOOR PLAN-<br>PLUMBING  |
|   |  |
|   | PROJECT NUMBER<br>2021000.000<br>SHEET AUTHOR  |
|   | DMB<br>CHECKED BY<br>BJP   |
|   | DATE<br>JANUARY 19, 2021   |
|   | SHEET NUMBER   |



| 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | l 11 | 10 | 09 | 08 | 1 |
|----|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|---|
|    |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |   |

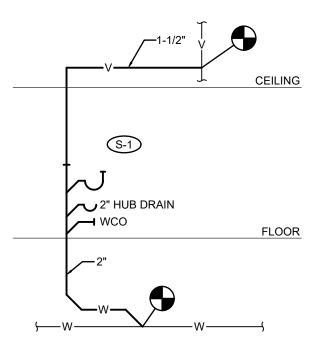
- D. CONFLICTS.

REQUIREMENTS.

- F
- G

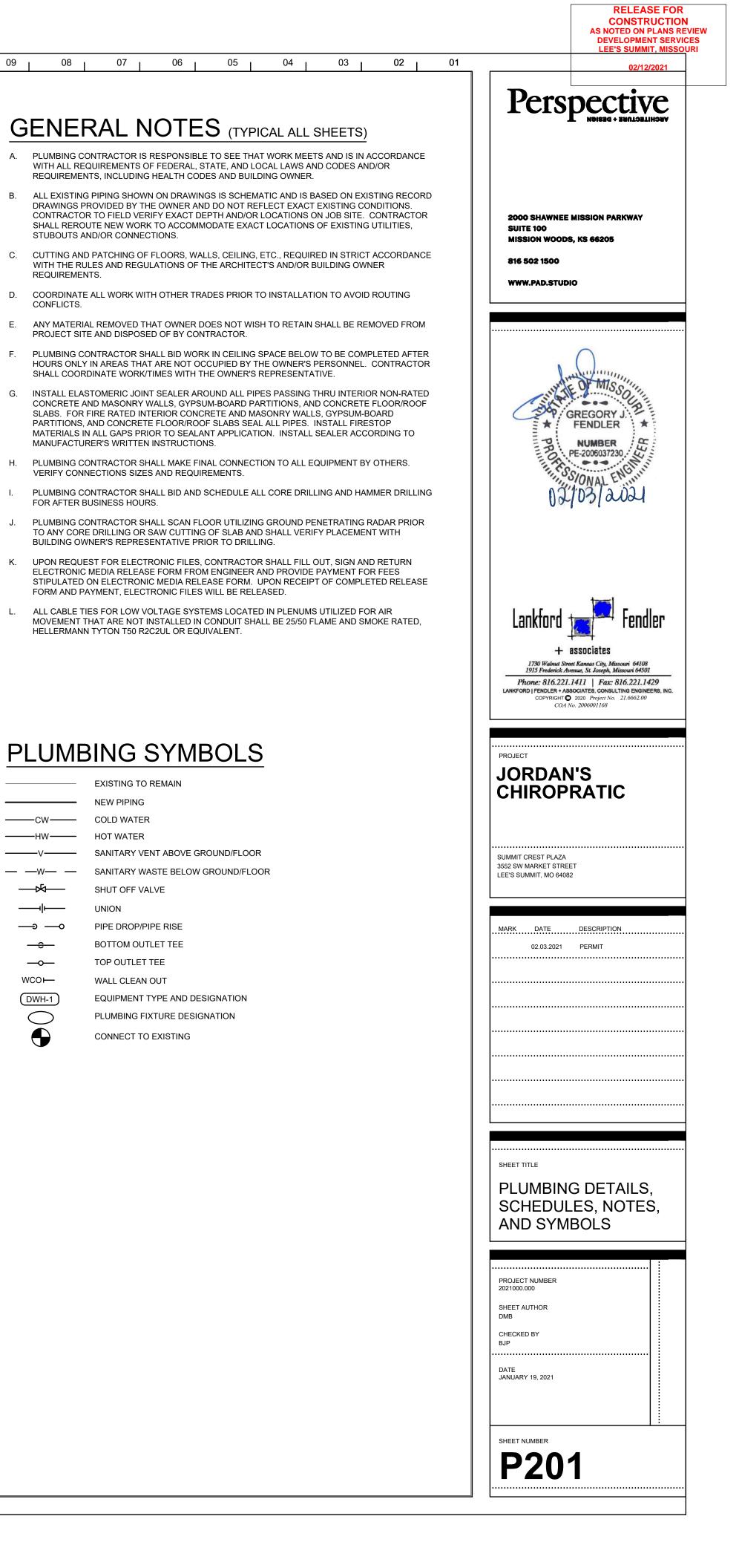
|                            | 1    | ELECTRICAL |    |       |
|----------------------------|------|------------|----|-------|
| AL EXPANSION<br>(MODEL NO. | VOLT | ø          | HZ | NOTES |
| PLT-5                      | 208  | 3          | 60 | 1,2   |
|                            |      |            |    |       |
|                            |      |            |    |       |
|                            |      |            |    |       |
|                            |      |            |    |       |
|                            |      |            |    |       |

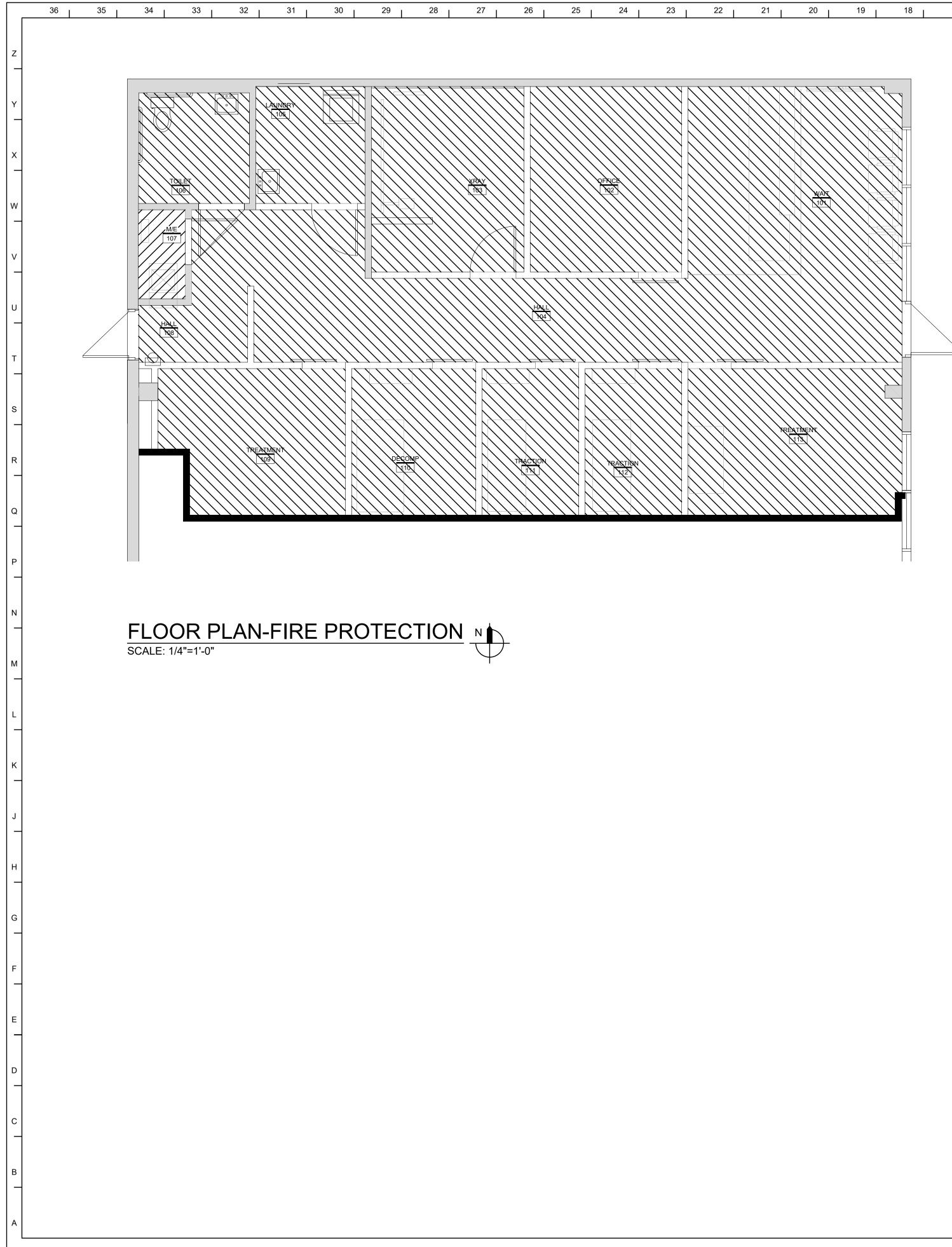
| IPTION  |      | CONNECT | TION SIZE |        |
|---|------|---------|-----------|--------|
|   | cw   | нw      | WASTE     | VENT   |
| 304 STAINLESS STEEL, 6-1/2" DEEP BOWL.            | 1/2" | 1/2"    | 2"        | 1-1/2" |
| MOUNTED FAUCET WITH CERAMIC OPERATING             |      |         |           |        |
| ED SWING GOOSENECK SPOUT WITH VANDAL RESISTANT    |      |         |           |        |
| ER WITH 1-1/2" TAILPIECE, 1-1/2" 17 GA. SEMI-CAST |      |         |           |        |
| S WITH LOOSE KEY ANGLE STOPS.                     |      |         |           |        |
|   |      |         |           |        |



## WASTE AND VENT RISER DIAGRAM NO SCALE

| CW          |  |
|-------------|--|
| ——HW——      |  |
| V           |  |
| — —w— —     |  |
| —k—         |  |
| li          |  |
| <b></b> o   |  |
| <del></del> |  |
| <b></b>     |  |
| wco—        |  |
| DWH-1       |  |
| $\bigcirc$  |  |
| $\bigcirc$  |  |





| 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | l 14 | 13 | 12 | 11 | 10 | 09 | 08 |  |
|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|--|
|    |    |    |    |    |    | -  |    |    |      |    |    |    |    |    | -  |  |

- INSURANCE COMPANY AND NFPA 13.
- В. COMPLIANCE.
- C. ONLY. VERIFY BY HYDRAULIC CALCULATIONS.
- D.
- E.
- F. INSTALLATION.
- G. INSPECTIONS RELATIVE TO THIS WORK.
- Η. SAFETY.
- Ι.
- DRAWINGS.

J.

- K.
- L.
- Μ.
- Ν.
- О. FORWARDED TO OWNER.
- Ρ.
- Q.
- К. DOORS.





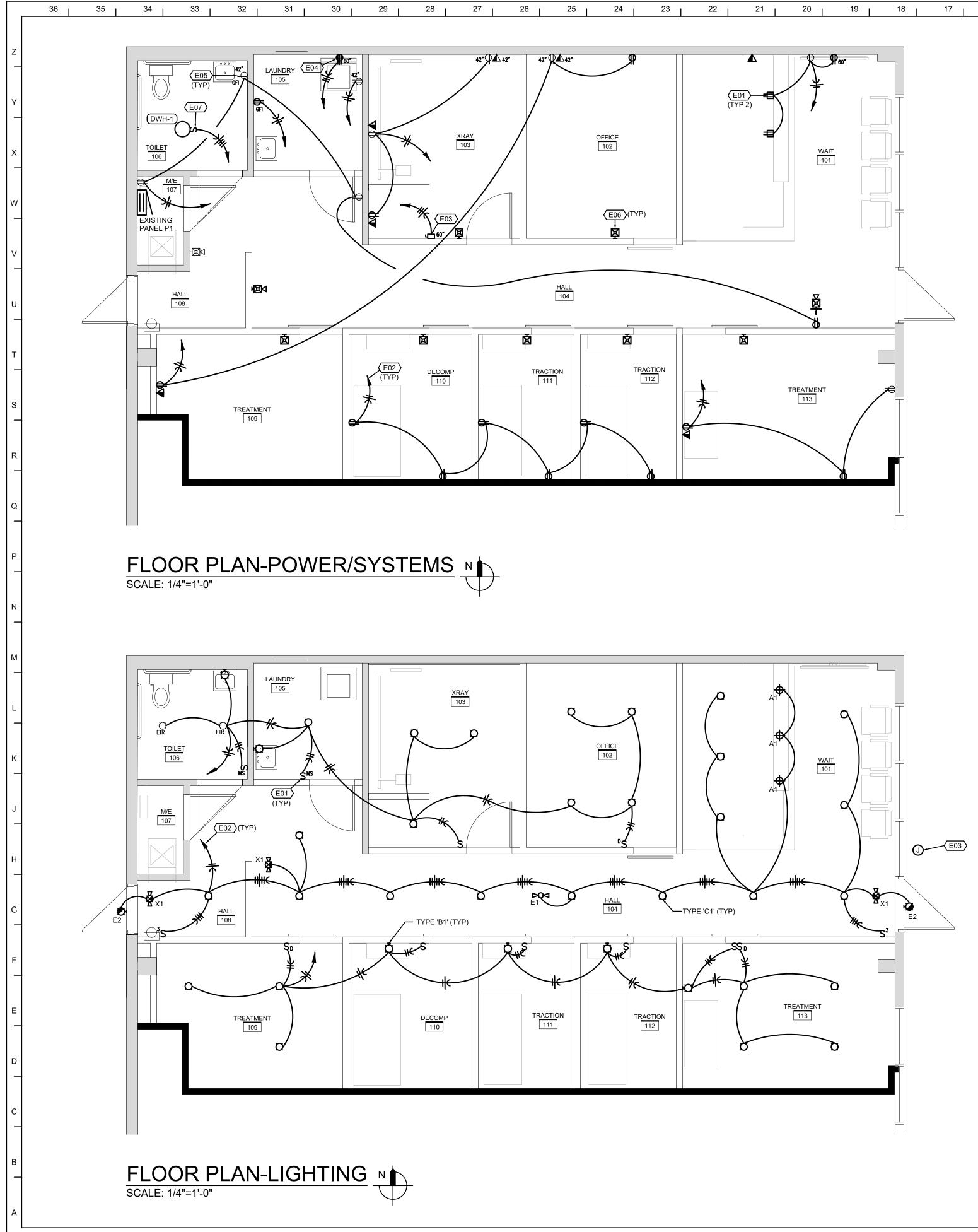








OF MAJOR COMPONENTS.



| 23           | 22 21    | 20            | 19 18 | 17 16 | 15 | 14 13 | 12 1 | 1 10 | 09                  | 08                                | 07                                |
|--------------|----------|---------------|-------|-------|----|-------|------|------|---------------------|-----------------------------------|-----------------------------------|
|              |          |               |       |       |    |       |      |      |                     |                                   |                                   |
|              |          |               |       |       |    |       |      |      |                     |                                   |                                   |
| )            |          | <b>P</b> 60   |       |       |    |       |      |      | <u>{</u> <u>E</u> # |                                   | /ER/SY                            |
|              |          |               |       |       |    |       |      |      | 1.                  | INSTALL DEVICE                    | IN MILLWORK. FE                   |
|              | (TYP 2)  |               |       |       |    |       |      |      | 2.                  | HOMERUN TO EX                     | XISTING PANEL P1                  |
|              |          | )   /         |       |       |    |       |      |      | 3.                  | PROVIDE A 100A<br>AND MAKE CONI   | /2P DISCONNECT                    |
|              | =        | WAIT          |       |       |    |       |      |      | 4.                  | PROVIDE 220V/3<br>CONFIGURATION   | 0A RECEPTACLE F<br>N WITH DRYER.  |
|              |          | WAIT<br>101   |       |       |    |       |      |      | 5.                  | REPLACE EXIST                     | ING WIRING DEVIC                  |
|              |          |               |       |       |    |       |      |      | 6.                  | CONNECT NEW                       | FIRE ALARM DEVIC                  |
|              |          |               |       |       |    |       |      |      | 7.                  | PROVIDE 20A/3P<br>TO PANEL 'P1' A | DISCONNECT ANI<br>ND TERMINATE ON |
| YP)          |          |               |       |       |    |       |      |      |                     |                                   |                                   |
|              |          |               |       |       |    |       |      |      |                     |                                   |                                   |
|              |          |               |       |       |    |       |      |      |                     |                                   |                                   |
|              |          |               |       |       |    |       |      |      |                     |                                   |                                   |
|              |          | 又             |       |       |    |       |      |      |                     |                                   |                                   |
|              |          |               |       |       |    |       |      |      |                     |                                   |                                   |
| ]            |          | 0             |       |       |    |       |      |      |                     |                                   |                                   |
|              | 菡        |               |       |       |    |       |      |      |                     |                                   |                                   |
| (RACTION     |          |               |       |       |    |       |      |      |                     |                                   |                                   |
| 112          |          | TREATMENT     | Æ     |       |    |       |      |      |                     |                                   |                                   |
|              | <b>*</b> | TREATMENT     |       |       |    |       |      |      |                     |                                   |                                   |
|              |          |               |       |       |    |       |      |      |                     |                                   |                                   |
| <b>`</b>     |          | $\overline{}$ | /     |       |    |       |      |      |                     |                                   |                                   |
| $\mathbf{n}$ |          |               |       |       |    |       |      |      |                     |                                   |                                   |
| <u>م</u>     |          | 8             |       |       |    |       |      |      |                     |                                   |                                   |

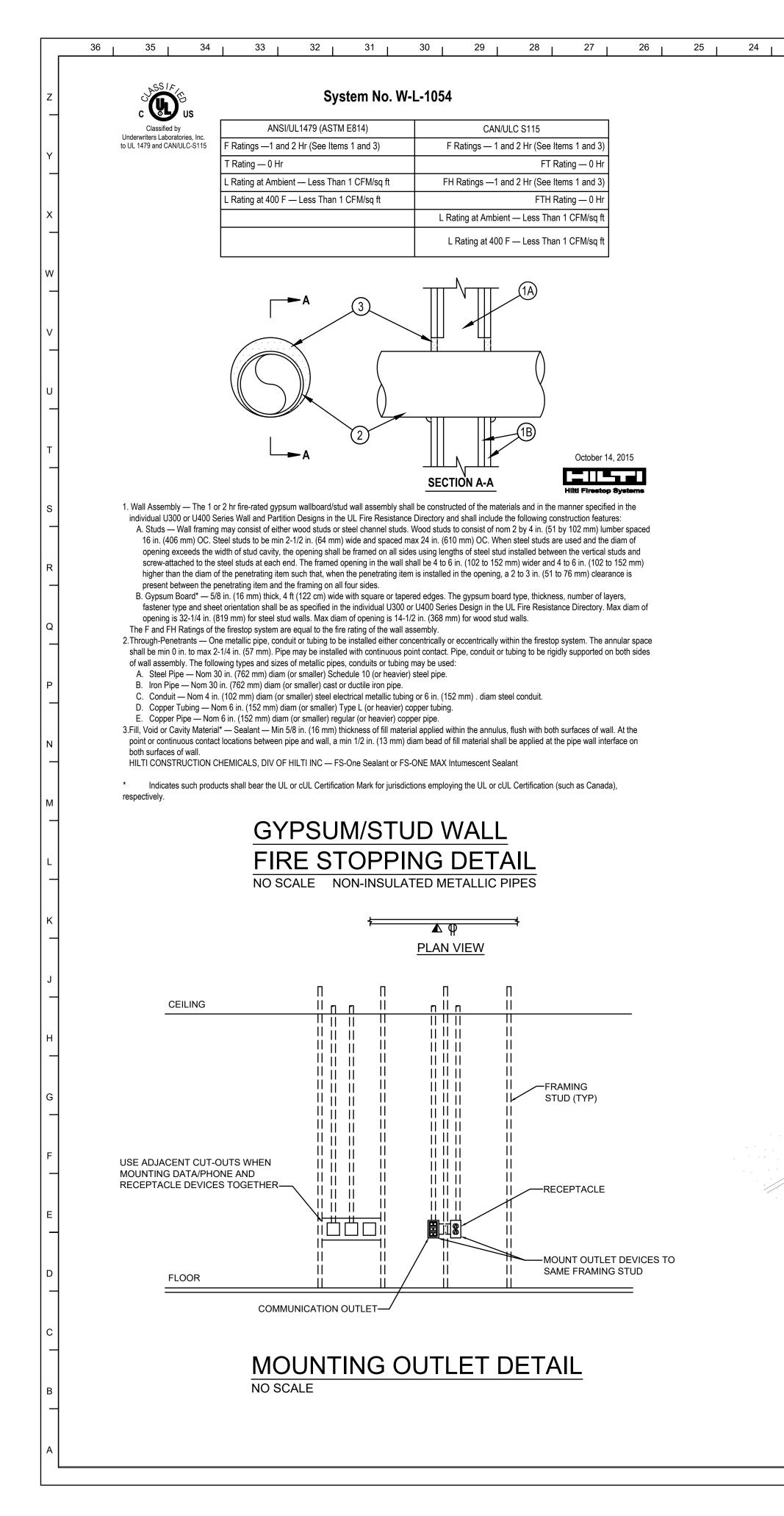
## 

1. DUAL TECHNOLOGY WALL SWITE HUBBELL).

2. HOMERUN TO EXISTING PANEL

3. DISCONNECT POWER TO EXIST

| 07 1 06 1 05 1 04 1 03 1 02 1 01   | RELEASE FOR<br>CONSTRUCTION<br>AS NOTED ON PLANS REVIEW<br>DEVELOPMENT SERVICES<br>LEE'S SUMMIT, MISSOURI   |
|--|---|
| ER/SYSTEMS PLAN NOTES  | Perspective<br>Noised + BURLDELINGWY  |
| IN MILLWORK. FEED FROM ADJACENT WALL.<br>KISTING PANEL P1 AND TERMINATE ON A 20A/1P BREAKER.<br>/2P DISCONNECT SWITCH, FUSED AT 100 AMPS, IN A NEMA 1 ENCLOSURE<br>VECTION TO X-RAY EQUIPMENT.<br>DA RECEPTACLE FOR DRYER. COORDINATE RECEPTACLE<br>I WITH DRYER.<br>NG WIRING DEVICE WITH NEW DEVICE AND COVER PLATE.<br>FIRE ALARM DEVICE TO EXISTING FIRE ALARM SYSTEM.<br>DISCONNECT AND MAKE CONNECTION TO WATER HEATER. HOMERUN<br>ND TERMINATE ON A 20A/3P BREAKER. | 2000 SHAWNEE MISSION PARKWAY<br>SUITE 100<br>MISSION WOODS, KS 66205<br>816 502 1500<br>WWW.PAD.STUDIO  |
|  | GREGORY J<br>FENDLER<br>NUMBER<br>PE-2006037230<br>PE-2006037230<br>D2/03/2024  |
|  | Lankford Fendler<br>- associates<br>1730 Wahnut Street Kansas City, Missouri 64108<br>1915 Frederick Avenue, St. Joseph, Missouri 64501<br>Phone: 816.221.1411 Fax: 816.221.1429<br>LANKFORD J FENDLER + ASSOCIATES, CONSULTING ENGINEERS, INC.<br>COPYRIGHT O 200 Project No. 21.6662.00<br>COA No. 2006001168 |
| <b>TING PLAN NOTES</b><br>BY WALL SWITCH OCCUPANCY SENSOR (BY WATTSTOPPER OR<br>STING PANEL P1 AND TERMINATE ON A 20A/1P BREAKER.  | PROJECT<br>JORDAN'S<br>CHIROPRATIC<br>SUMMIT CREST PLAZA<br>3552 SW MARKET STREET<br>LEE'S SUMMIT, MO 64082   |
| VER TO EXISTING SIGNAGE AND RECONNECT TO NEW SIGN.   | MARK DATE DESCRIPTION<br>02.03.2021 PERMIT  |
|  |   |
|  | SHEET TITLE   |
|  | FLOOR PLANS-<br>ELECTRICAL  |
|  | PROJECT NUMBER<br>2021000.000<br>SHEET AUTHOR<br>DMB<br>CHECKED BY<br>GJF<br>DATE<br>JANUARY 19, 2021   |
|  | SHEET NUMBER<br>E101  |



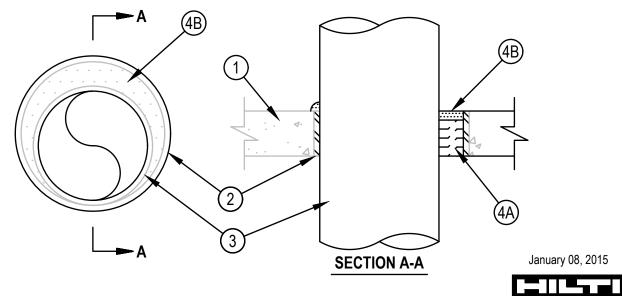
| 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | l 14 | 13 | 12 | l <sup>11</sup> | 10 | 09 | 08 |  |
|----|----|----|----|----|----|----|----|----|------|----|----|-----------------|----|----|----|--|

Hilti Firestop System



### System No. C-AJ-1380

| ANSI/UL1479 (ASTM E814)                     | CAN/ULC S115                                |
|---|---|
| F Rating - 2 Hr                             | F Rating - 2 Hr                             |
| T Rating - 0 Hr                             | FT Rating - 0 Hr                            |
| L Rating At Ambient - Less Than 1 CFM/sq ft | FH Rating - 2 Hr                            |
| L Rating At 400 F - 4 CFM/sq ft             | FTH Rating - 0 Hr                           |
|   | L Rating At Ambient - Less Than 1 CFM/sq ft |
|   | L Rating At 400 F - 4 CFM/sq ft             |

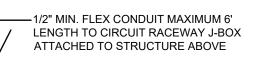


- 1. Floor or Wall Assembly Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 31-7/8 in. (810 mm).
- See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.
- 2. Metallic Sleeve (Optional) Nom 32 in. (813 mm) diam (or smaller) Schedule 40 steel pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
- 3. Through-Penetrant One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. Pipe or conduit to be rigidly supported on both sides of floor assembly. The annular space between pipe or conduit and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). The following types and sizes of metallic pipes or conduits may be used:
- A. Steel Pipe Nom 30 in.(762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
- B. Cast Iron Pipe Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
- C. Copper Pipe Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe
- D. Copper Tubing Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
- E. Conduit Nom 6 in. (152 mm) diam (or smaller) steel conduit. F. Conduit — Nom 4 in. (102 mm) (or smaller) steel electrical metallic tubing (EMT).
- 4. Firestop System The firestop system shall consist of the following:
- A. Packing Materials Min 2 in. (51 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor to accommodate the required thickness of fill material. B. Fill Void or Cavity Materials\* - Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within annulus, flush with top surface of floor. At point
- contact, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the concrete/sleeve/pipe interface on the top surface of the floor and both surfaces of wall.
- HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

## **CONCRETE WALL/FLOOR** FIRE STOPPING DETAIL

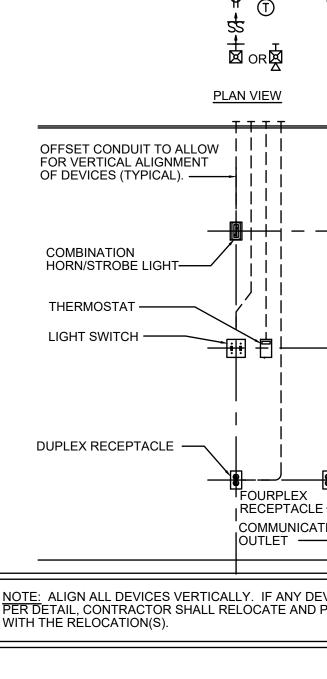
NO SCALE NON-INSULATED METALLIC PIPES



- #12GA SUPPORT WIRES TIED TO EACH FIXTURE CORNER
- MIN. 3 TIGHT TURNS AROUND SELF. (TYP.)
- -ACOUSTIC TILE CEILING AND T-BAR GRID

- FIXTURE AS SPECIFIED. WHERE FACTORY INSTALLED BATTERY/INVERTER UNITS ARE INSTALLED, A NON-SWITCHED CIRCUIT WIRE WILL BE CONNECTED TO THE INVERTER.

## LIGHT FIXTURE MOUNTING AND BRACING DETAIL NO SCALE

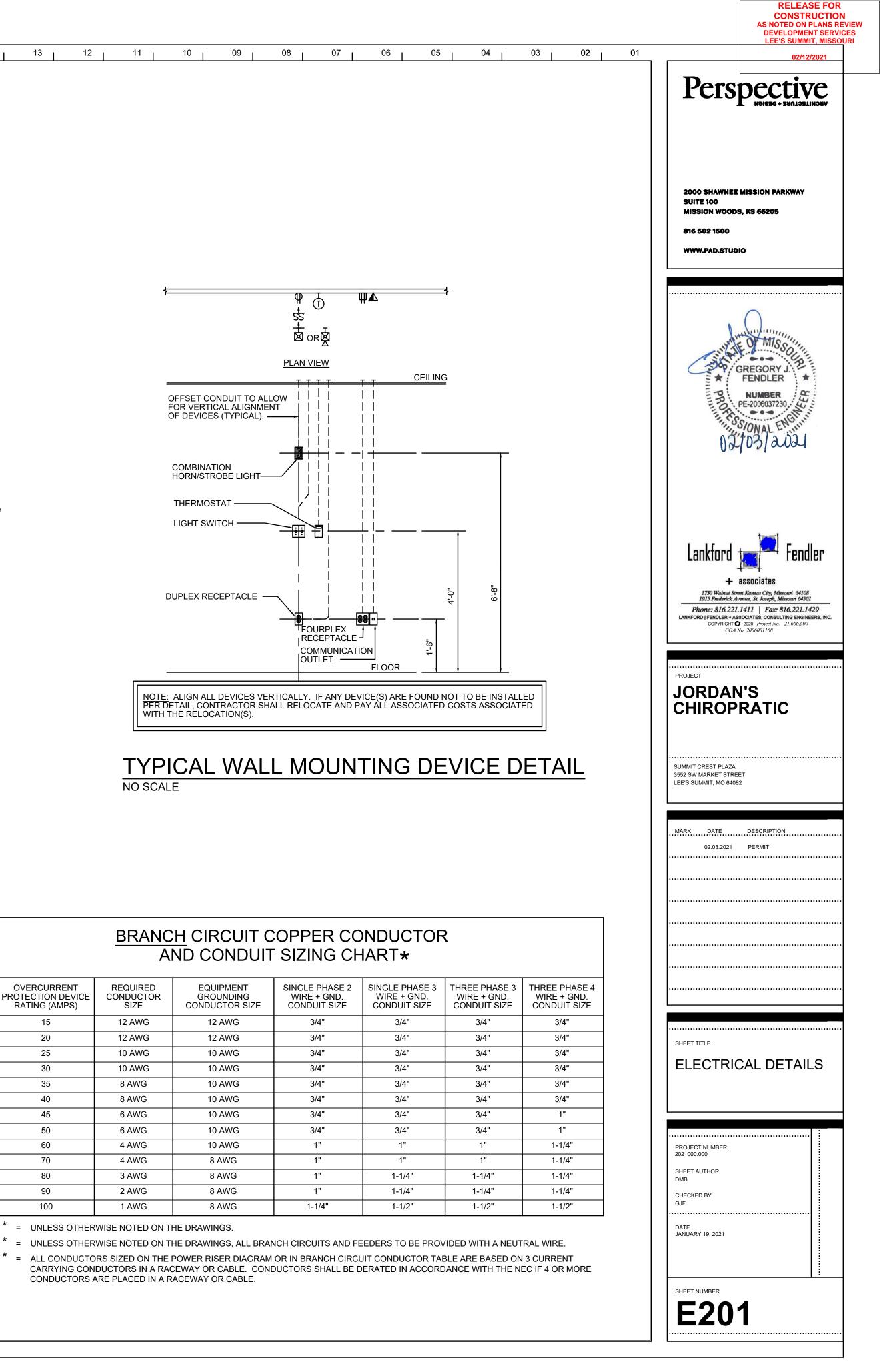


## NO SCALE

## **BRANCH CIRCUIT COPPER CONDUCTOR** AND CONDUIT SIZING CHART\*

| OVERCURRENT<br>PROTECTION DEVICE<br>RATING (AMPS) | REQUIRED<br>CONDUCTOR<br>SIZE | EQUIPMENT<br>GROUNDING<br>CONDUCTOR SIZE | SINGLE PHA<br>WIRE + GI<br>CONDUIT S |
|---|-------------------------------|--|--------------------------------------|
| 15  | 12 AWG                        | 12 AWG                                   | 3/4"                                 |
| 20  | 12 AWG                        | 12 AWG                                   | 3/4"                                 |
| 25  | 10 AWG                        | 10 AWG                                   | 3/4"                                 |
| 30  | 10 AWG                        | 10 AWG                                   | 3/4"                                 |
| 35  | 8 AWG                         | 10 AWG                                   | 3/4"                                 |
| 40  | 8 AWG                         | 10 AWG                                   | 3/4"                                 |
| 45  | 6 AWG                         | 10 AWG                                   | 3/4"                                 |
| 50  | 6 AWG                         | 10 AWG                                   | 3/4"                                 |
| 60  | 4 AWG                         | 10 AWG                                   | 1"                                   |
| 70  | 4 AWG                         | 8 AWG                                    | 1"                                   |
| 80  | 3 AWG                         | 8 AWG                                    | 1"                                   |
| 90  | 2 AWG                         | 8 AWG                                    | 1"                                   |
| 100   | 1 AWG                         | 8 AWG                                    | 1-1/4"                               |

- \* = UNLESS OTHERWISE NOTED ON THE DRAWINGS
- \* = ALL CONDUCTORS SIZED ON THE POWER RISER DIAGRAM OR IN BRANCH CIRCUIT CONDUCTOR TABLE ARE BASED ON 3 CURRENT CARRYING CONDUCTORS IN A RACEWAY OR CABLE. CONDUCTORS SHALL BE DERATED IN ACCORDANCE WITH THE NEC IF 4 OR MORE CONDUCTORS ARE PLACED IN A RACEWAY OR CABLE.



|      |   | CHEDULE                                     |                  |  |   |
|------|---|---|------------------|--|---|
| TYPE | MANUFACTURER  | LAMPS                                       | WATTS<br>VOLTS   | DESCRIPTION  | 1 |
| A1   | TO BE SELECTED  | LED   | 20<br>120        | -  |   |
| B1   | FOUNDSTONE<br>AMIRA 2-LIGHT                                 | (2) 60W E12<br>CANDELABRA<br>LED EQUIVALENT | <u>30</u><br>120 | DUAL LAMP WALL SCONCE, BLACK FINISH, LED LAMPING, GLASS CLEAR GLOBE.   |   |
| C1   | HE WILLIAMS<br>6DR-TL-L15-8-35-DIM-UNV<br>OR APPROVED EQUAL | LED<br>1500 LUMEN<br>3500K, 80 CRI          | <u> </u>         | NOMINAL 6" DIAMETER RECESSED LED DOWNLIGHT, SELF-FLANGED, SEMI-SPECULAR TRIM<br>AND REFLECTOR, DIMMING DRIVER.     |   |
| E1   | HE WILLIAMS<br>EMER/CP/ADJ/LED-WHT-D<br>OR APPROVED EQUAL   | LED<br>W/ FIXTURE                           | 4 120            | CEILING MOUNTED, DUAL HEAD, LED EMERGENCY LIGHTING UNIT, WHITE POLYCARBONATE<br>HOUSING, EMERGENCY BATTERY.        |   |
| E2   | SURE-LITES<br>SELD-W-A-50-BZ-SD<br>OR APPROVED EQUAL        | LED<br>W/ FIXTURE                           | 4 120            | WALL MOUNTED, WET LOCATION LISTED, EXTERIOR EMERGENCY LIGHTING UNIT, BRONZE<br>FINISH.                             |   |
| X1   | HE WILLIAMS<br>EXIT/EM/LED-R-WHT-D<br>OR APPROVED EQUAL     | LED<br>W/ FIXTURE                           | <u>6</u><br>120  | COMBINATION EXIT AND EMERGENCY LIGHTING UNIT, LED, RED LETTERS, WHITE<br>POLYCARBONATE HOUSING, EMERGENCY BATTERY. |   |

| TYPE | MANUFACTURER  | LAMPS                                       | WATTS<br>VOLTS   | DESCRIPTION  | NOTES |
|------|---|---|------------------|--|-------|
| A1   | TO BE SELECTED  | LED   | <u>20</u><br>120 |  | 1     |
| B1   | FOUNDSTONE<br>AMIRA 2-LIGHT                                 | (2) 60W E12<br>CANDELABRA<br>LED EQUIVALENT | <u> </u>         | DUAL LAMP WALL SCONCE, BLACK FINISH, LED LAMPING, GLASS CLEAR GLOBE.   | 1     |
| C1   | HE WILLIAMS<br>6DR-TL-L15-8-35-DIM-UNV<br>OR APPROVED EQUAL | LED<br>1500 LUMEN<br>3500K, 80 CRI          | <u> </u>         | NOMINAL 6" DIAMETER RECESSED LED DOWNLIGHT, SELF-FLANGED, SEMI-SPECULAR TRIM<br>AND REFLECTOR, DIMMING DRIVER.     |       |
| E1   | HE WILLIAMS<br>EMER/CP/ADJ/LED-WHT-D<br>OR APPROVED EQUAL   | LED<br>W/ FIXTURE                           | 4 120            | CEILING MOUNTED, DUAL HEAD, LED EMERGENCY LIGHTING UNIT, WHITE POLYCARBONATE<br>HOUSING, EMERGENCY BATTERY.        |       |
| E2   | SURE-LITES<br>SELD-W-A-50-BZ-SD<br>OR APPROVED EQUAL        | LED<br>W/ FIXTURE                           | 4 120            | WALL MOUNTED, WET LOCATION LISTED, EXTERIOR EMERGENCY LIGHTING UNIT, BRONZE<br>FINISH.                             | 2     |
| X1   | HE WILLIAMS<br>EXIT/EM/LED-R-WHT-D<br>OR APPROVED EQUAL     | LED<br>W/ FIXTURE                           | <u>6</u><br>120  | COMBINATION EXIT AND EMERGENCY LIGHTING UNIT, LED, RED LETTERS, WHITE<br>POLYCARBONATE HOUSING, EMERGENCY BATTERY. |       |

- S1. SUBSTITUTION REQUEST MUST BE RECEIVED BY THE ENGINEER IN WRITING 10 DAYS PRIOR TO B A GUARANTEE TO SUPPLY THE SPECIFIED FIXTURES.
- S2. INFORMATION IS TO BE SUPPLIED COMPARING PHOTOMETRY, (WITH FLOOR PLANS INDICATING P DIMENSIONS, MATERIAL COMPOSITION, FINISH, VISUAL APPEARANCE AS WELL AS THE "CONTRAC TO BE PROVIDED UPON REQUEST.
- S3. GREAT CARE, TIME AND EXPENSE HAVE BEEN USED TO PROVIDE OUR CLIENT WITH THE LIGHTING THEREFORE, FOR EACH AND EVERY TYPE OF FIXTURE OFFERED AS AN UNSOLICITED ALTERNATI CONTRACTOR FOR REVIEW OF THE ALTERNATE FIXTURE. THIS CHARGE IS IN NO WAY A GUARAN THE ENGINEER FOR TIME SPENT VALIDATING EQUALITY AND COMPATIBILITY WITH THE PROJECT RECEIVED BY THE ENGINEER PRIOR TO ANY REVIEW COMMENCING.
- S4. PACKAGING OF LIGHT FIXTURES WILL NOT BE CONSIDERED OR APPROVED.
- S5. MANUFACTURER'S REPRESENTATIVE AGENTS SHALL BE ALLOWED TO OFFER MINI-LOT PRICING F S6. LIGHTING CONTROLS PRICING SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE PRICIN
- IS SUBMITTED WITH LIGHT FIXTURE PRICING (UNIT OR MINI-LOT) WILL BE IMMEDIATELY REJECTED

- G1. ELECTRICAL CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING ANY LIGHT FIXTUR
- G2. ELECTRICAL CONTRACTOR SHALL COORDINATE DIMMING DRIVERS/BALLASTS WITH DIMMING SW

| LIGHT FIXTURE SCHEDULE         Type       Manufacturer       LAMPS       WATTS       DESCRIPTION       NOTE         A1       TO BE SELECTED       LED       20       1       1         B1       FOUNDSTONE       (2) 60W E12       0       1       1         C1       HE WILLIAMS       LED       30       1       1       1         C1       HE WILLIAMS       120       NOMINAL 6" DIAMETER RECESSED LED DOWNLIGHT, SELF-FLANGED, SEMI-SPECULAR TRIM       1         C1       HE WILLIAMS       1500 LUMEN       14       120       AND REFLECTOR, DIMMING DRIVER.       1         E1       HE WILLIAMS       LED       CELLING MOUNTED, DUAL HEAD, LED EMERGENCY LIGHTING UNIT, WHITE POLYCARBONATE       1  | <ul> <li>A. REFER TO ARCHITECTS REFLECTED CEILING PLANS FOR EXACT PLACEMENT OF LIGHT<br/>FIXTURES, SPEAKER AND F.A. DEVICES IN THE CEILING SYSTEM.</li> <li>B. REFER TO ARCHITECTURAL DETAILS AND ELEVATIONS FOR COORDINATION OF<br/>LOCATION OF ALL WIRING DEVICES BEFORE ROUGH-IN OF J-BOXES.</li> <li>C. WIRING TO BE REMOVED BACK TO THE NEAREST DEVICE TO REMAIN. WIRING SHALL<br/>NOT BE TAKEN PAST THE FIRST JUNCTION BOX BEFORE THE PANELBOARD.</li> </ul>   |               |
|---|--|---------------|
| TYPE       MANUFACTURER       LAMPS       WATTS<br>VOLTS       DESCRIPTION       NOTE         A1       TO BE SELECTED       LED $\frac{20}{120}$ 1       1         B1       FOUNDSTONE<br>AMIRA 2-LIGHT       (2) 60W E12<br>CANDELABRA<br>LED EQUIVALENT $\frac{30}{120}$ DUAL LAMP WALL SCONCE, BLACK FINISH, LED LAMPING, GLASS CLEAR GLOBE.       1         C1       HE WILLIAMS<br>6DR-TL-L15-8-35-DIM-UNV<br>OR APPROVED EQUAL       LED<br>3500K, 80 CRI $\frac{14}{120}$ NOMINAL 6" DIAMETER RECESSED LED DOWNLIGHT, SELF-FLANGED, SEMI-SPECULAR TRIM<br>AND REFLECTOR, DIMMING DRIVER.       A   | A. REFER TO ARCHITECTS REFLECTED CEILING PLANS FOR EXACT PLACEMENT OF LIGHT<br>FIXTURES, SPEAKER AND F.A. DEVICES IN THE CEILING SYSTEM.<br>B. REFER TO ARCHITECTURAL DETAILS AND ELEVATIONS FOR COORDINATION OF<br>LOCATION OF ALL WIRING DEVICES BEFORE ROUGH-IN OF J-BOXES.<br>C. WIRING TO BE REMOVED BACK TO THE NEAREST DEVICE TO REMAIN. WIRING SHALL   |               |
| Image: Second State       Image: Second State<  | LOCATION OF ALL WIRING DEVICES BEFORE ROUGH-IN OF J-BOXES.   |               |
| Image: |  | 200<br>SUI    |
| LED EQUIVALENT       120         C1       HE WILLIAMS<br>6DR-TL-L15-8-35-DIM-UNV<br>OR APPROVED EQUAL       LED<br>1500 LUMEN<br>3500K, 80 CRI       14<br>120       NOMINAL 6" DIAMETER RECESSED LED DOWNLIGHT, SELF-FLANGED, SEMI-SPECULAR TRIM<br>AND REFLECTOR, DIMMING DRIVER.   |  | MIS<br>816    |
| 6DR-TL-L15-8-35-DIM-UNV     1500 LUMEN     14       OR APPROVED EQUAL     3500K, 80 CRI     120   AND REFLECTOR, DIMMING DRIVER.  | D. ANY MATERIAL REMOVED THAT OWNER DOES NOT WISH TO RETAIN SHALL BE REMOVED<br>FROM PROJECT SITE AND DISPOSED OF BY THE CONTRACTOR.  | ww            |
| E1 HE WILLIAMS LED CEILING MOUNTED, DUAL HEAD, LED EMERGENCY LIGHTING UNIT, WHITE POLYCARBONATE   | E. NEW CIRCUITRY SHOWN FOR NEW/EXISTING POWER AND LIGHTING IS DIAGRAMMATIC<br>AND IS INTENDED TO SHOW WHICH DEVICES ARE TO BE GROUPED ON INDIVIDUAL<br>CIRCUITS. EXISTING WIRING THAT CONFORMS TO THE INTENT OF THE DRAWINGS MAY<br>BE USED.   | ······        |
| EMER/CP/ADJ/LED-WHT-D     W/ FIXTURE     4       OR APPROVED EQUAL     120  | F. PROVIDE UPDATED, TYPEWRITTEN PANELBOARD DIRECTORY FOR EACH PANELBOARD<br>WHICH CIRCUITS HAVE BEEN ADDED TO OR MODIFIED.   |               |
| E2       SURE-LITES       LED       WALL MOUNTED, WET LOCATION LISTED, EXTERIOR EMERGENCY LIGHTING UNIT, BRONZE       2         SELD-W-A-50-BZ-SD       W/ FIXTURE       4       FINISH.       2  | G. SUPPORT ALL LIGHT FIXTURES WITH A MINIMUM OF (4) 12 GA. HANGER WIRES TO STRUCTURE ABOVE.  |               |
| OR APPROVED EQUAL     120       X1     HE WILLIAMS       LED     COMBINATION EXIT AND EMERGENCY LIGHTING UNIT, LED, RED LETTERS, WHITE  | H. CONNECT EXIT AND EMERGENCY LIGHTS TO HOT LEG, NOT SWITCH LEG.   | (             |
| X1       HE WILLIAMS       LED       COMBINATION EXIT AND EMERGENCY LIGHTING UNIT, LED, RED LETTERS, WHITE         EXIT/EM/LED-R-WHT-D       W/ FIXTURE       6       POLYCARBONATE HOUSING, EMERGENCY BATTERY.         OR APPROVED EQUAL       120       120       POLYCARBONATE HOUSING, EMERGENCY BATTERY.   | I. REPAIR AND/OR REPLACE ANY DAMAGED CEILING TILE OR GRID DUE TO INSTALLATION<br>OF CONDUITS, ETC. ABOVE EXISTING CEILING. WALK BUILDING WITH ARCHITECT PRIOR<br>TO COMMENCING WORK TO NOTE ANY EXISTING DAMAGED CEILING TILE OR GRID.   |               |
| SPECIFIC NOTES:<br>1 CONFIRM MOUNTING HEIGHT WITH ARCHITECT.<br>2 MOUNT ABOVE DOOR.   | ELECTRICAL SYMBOLS   |               |
| SUBSTITUTION NOTES:<br>THE LIGHTING DESIGN FOR THIS PROJECT IS BASED UPON THE MANUFACTURERS SPECIFIED. IF AN ADDITIONAL SUBSTITUTION IS DESIRED BY THE  | BRANCH CIRCUIT CONCEALED IN CEILING OR WALL. ARROWS INDICATE   |               |
| CONTRACTOR, A SUBSTITUTION REQUEST SUBMITTAL MUST BE PROVIDED AS FOLLOWS:<br>S1. SUBSTITUTION REQUEST MUST BE RECEIVED BY THE ENGINEER IN WRITING 10 DAYS PRIOR TO BID. FAILURE TO SUBMIT CONSTITUTES   | HOMERUNS TO PANEL. ALL CONDUCTORS ARE MINIMUM NO.12 UNLESS<br>NOTED OTHERWISE.<br>PHASE CONDUCTORS   |               |
| A GUARANTEE TO SUPPLY THE SPECIFIED FIXTURES.<br>S2. INFORMATION IS TO BE SUPPLIED COMPARING PHOTOMETRY, (WITH FLOOR PLANS INDICATING POINT BY POINT CALCULATIONS)<br>DIMENSIONS, MATERIAL COMPOSITION, FINISH, VISUAL APPEARANCE AS WELL AS THE "CONTRACTOR NET" PRICING. SAMPLES ARE  | NEUTRAL CONDUCTOR<br>SWITCH-LEG AND OR TRAVELER<br>GROUND CONDUCTOR  |               |
| TO BE PROVIDED UPON REQUEST.<br>S3. GREAT CARE, TIME AND EXPENSE HAVE BEEN USED TO PROVIDE OUR CLIENT WITH THE LIGHTING AND CONTROLS SYSTEM.  | LP1-10 PANEL - BREAKER NUMBER (IDENTIFICATION)   |               |
| THEREFORE, FOR EACH AND EVERY TYPE OF FIXTURE OFFERED AS AN UNSOLICITED ALTERNATE, A \$500.00 FEE WILL BE CHARGED TO THE CONTRACTOR FOR REVIEW OF THE ALTERNATE FIXTURE. THIS CHARGE IS IN NO WAY A GUARANTEE OF APPROVAL, BUT IS SOLELY TO COMPENSATE  | 1/3, 1/3/5 INDICATES X/X= 2-POLE C.B., X/X/X = 3-POLE C.B.   |               |
| THE ENGINEER FOR TIME SPENT VALIDATING EQUALITY AND COMPATIBILITY WITH THE PROJECT REQUIREMENTS. THIS REIMBURSEMENT MUST BE<br>RECEIVED BY THE ENGINEER PRIOR TO ANY REVIEW COMMENCING.<br>S4. PACKAGING OF LIGHT FIXTURES WILL NOT BE CONSIDERED OR APPROVED.  | <ul> <li>&gt; 1</li> <li>CONDUIT CONCEALED IN CEILING OR WALL WITH THREE CONDUCTORS:</li> <li>1-PHASE; 1-NEUTRAL; 1-GROUND WIRE, MINIMUM NO.12 WIRE UNLESS</li> <li>OTHERWISE SPECIFIED ON DRAWINGS.</li> </ul>  | L             |
| S5. MANUFACTURER'S REPRESENTATIVE AGENTS SHALL BE ALLOWED TO OFFER MINI-LOT PRICING FOR SPECIFIED LIGHTING FIXTURES.<br>S6. LIGHTING CONTROLS PRICING SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE PRICING. ANY LIGHTING CONTROLS PRICING THAT   | — — — — CONDUIT RUN UNDERGROUND OR CONCEALED IN FLOOR SLAB.  |               |
| IS SUBMITTED WITH LIGHT FIXTURE PRICING (UNIT OR MINI-LOT) WILL BE IMMEDIATELY REJECTED IN ITS ENTIRETY.  | GROUNDING CONDUCTOR NO.12 WIRE EXCEPT AS NOTED   | ••••          |
| GENERAL NOTE:<br>G1. ELECTRICAL CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING ANY LIGHT FIXTURES.<br>G2. ELECTRICAL CONTRACTOR SHALL COORDINATE DIMMING DRIVERS/BALLASTS WITH DIMMING SWITCHES/SYSTEMS AND SHALL INCLUDE ALL REQUIRED CONTROL WIRING.  | MOUNTED. SHADED SIDE(S) INDICATES FACE SIDE(S) OF EXIT.  |               |
|   | Image: Construction of the second |               |
|   | PENDANT MOUNTED LIGHT FIXTURE, SIZE AND TYPE AS NOTED  |               |
|   | 208Y/120V OR 120/240V PANELBOARD (SURFACE) TOP MOUNTED 6'-0" AFF         DISCONNECT SWITCH, SIZE AND TYPE AS NOTED TOP MOUNTED 5'-0" AFF   | S<br>34<br>LI |
|   | S SINGLE POLE SWITCH. TOP OF DEVICE BOX AT +4'-0" AFF  |               |
|   | S <sup>3</sup> THREE-WAY SWITCH. TOP OF DEVICE BOX AT +4'-0" AFFS <sup>D</sup> DIMMER SWITCH. TOP OF DEVICE BOX AT +4'-0" AFF  |               |
|   | S <sup>MS</sup> WALL MOUNTED MOTION SENSOR, TOP OF DEVICE BOX AT +4'-0" AFF, TYPE<br>AS INDICATED  |               |
|   | b DUPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED  |               |
|   | ♦ DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP ♦ GFI DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION. +1 6" AFE OR AS NOTED  |               |
|   | +1'-6" AFF OR AS NOTED DOUBLE DUPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED  |               |
|   | ISOLATED GROUND DOUBLE DUPLEX RECEPTACLE   |               |
|   | HEAVY DUTY RECEPTACLE. VOLTAGE, PHASE AND AMPS AS NOTED. +1'-6"<br>AFF OR AS NOTED.  |               |
|   | LOW VOLTAGE OUTLET, DOUBLE GANG BOX WITH SINGLE GANG PLASTER<br>RING. INSTALL 1" CONDUIT STUBBED UP OUT OF TOP OF BOX TO ABOVE AN<br>ACCESSIBLE CEILING. +1'-6" AFF OR AS NOTED.   |               |
|   | LOW VOLTAGE OUTLET INSTALLED ABOVE COUNTER. DOUBLE GANG BOX<br>WITH SINGLE GANG PLASTER RING. INSTALL 1" CONDUIT STUBBED UP OUT OF<br>TOP OF BOX TO ABOVE AN ACCESSIBLE CEILING. +1'-6" AFF OR AS NOTED.   |               |
|   | FA VISUAL FIRE ALARM STROBE LIGHT +6'-8" A.F.F.  |               |
|   | H⊠       FA COMBINATION AUDIBLE/VISUAL WALL MOUNTED, +6'-8" AFF.         →       INDICATES WIRING DEVICE ABOVE RE: DRAWING   |               |
|   | +4'-0" HEIGHT TO TOP OF THE OUTLET BOX ABOVE FINISHED FLOOR  |               |
|   | AFF     ABOVE FINISH FLOOR       ETR     EXISTING TO REMAIN  |               |
|   | FA FIRE ALARM  |               |
|   |  |               |
|   |  |               |
|   |  |               |
|   |  |               |