

1980 SE Blue Parkway, Suite 2302, Lee's Summit, MO 64063

GENERAL NOTES		CODE NOTES	KEY PLAN	AREA MAP	
<div><div>1. MAINTAIN ACCESS TO EXISTING WALKWAYS, CORRIDORS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT WALKWAYS, CORRIDORS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER.</div><div>2. DEFINITIONS:<div><div>2.1. REMOVE AND DISCARD: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE.</div><div>2.2. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND TURN OVER TO OWNER UNDAMAGED.</div><div>2.3. RELOCATE: DETACH ITEMS FROM EXISTING CONSTRUCTION, MOVE ITEMS INTACT AND UNDAMAGED, AND REINSTALL THEM WHERE INDICATED.</div><div>2.4. EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED, BUT ARE TO REMAIN IN PLACE AND BE UNDAMAGED.</div><div>2.5. REMOVE AND RECLAIM: DETACH ITEMS FROM EXISTING CONSTRUCTION. AT CONTRACTORS OPTION ITEM MAY BE REUSED AS PART OF NEW WORK. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO INVENTORY ITEMS TO DETERMINE IF ITEMS WILL FUNCTION AND APPEAR LIKE THE NEW ITEMS SPECIFIED AND CALLED OUT ON THESE DOCUMENTS. IF ITEMS ARE REUSED, CONTRACTOR IS TO CLEAN, REPAIR, OR OTHERWISE BRING ITEMS TO LIKE NEW CONDITION. MODIFY REUSED ITEMS AS REQUIRED AND SUPPLEMENT WITH MATERIALS, AND INCIDENTALS NECESSARY TO EXECUTE A COMPLETE WORKMANLIKE JOB. IF CONTRACTOR CHOOSES TO NOT REUSE ITEM, LEGALLY DISPOSE OF ITEM OFF-SITE AND REPLACE WITH NEW TO MATCH EXISTING.</div><div>2.6. PROVIDE: THE MEANINGS OF THE WORD 'PROVIDED' INCLUDES, BUT IS NOT LIMITED TO, FURNISHED, DELIVERED, INSTALLED, FINISHED, MADE FULLY OPERABLE AND COMPLETE. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL WORK DESCRIBED IN THESE DOCUMENTS IS TO BE PROVIDED BY THE CONTRACTOR.</div></div></div><div><div>3. CONTRACTOR IS TO INCLUDE AS PART OF HIS SCOPE ALL CUTTING AND PATCHING REQUIRED THROUGH CAREFUL EVALUATION OF THE EXISTING SITE AND THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL COORDINATE THE CUTTING AND PATCHING OF EXISTING CONSTRUCTION NECESSARY TO PERMIT INSTALLATION OR PERFORMANCE OF THE WORK INDICATED IN THESE CONSTRUCTION DOCUMENTS. SAW-CUT CONC. SLAB AS REQUIRED FOR UTILITIES, FOR EQUIPMENT AND SINKS. VERIFY ROUTE AND TRENCH DEPTH IN FIELD. PATCH BACK WITH MATCHING SLAB THICKNESS OVER SAME MATERIAL. COMPACT UNDERLYING MATERIALS TO MEET BEST PRACTICES. DOVEL NEW TO EXISTING WITH #4 REBAR AT 30" OC.</div><div>4. WHERE WALLS, CASEWORK, FINISHES, EQUIPMENT OR OTHER ITEMS AND CONSTRUCTIONS HAVE BEEN REMOVED EXPOSING UNDERLYING WALL AND/OR FLOOR SURFACES, SUCH SURFACES ARE TO BE PATCHED AND REPAIRED AS REQUIRED TO ACCEPT NEW FINISHES. ALL HOLES, DAMAGES, DEFECTS, ETC. IN EXISTING SURFACES ARE TO BE PATCHED TO MATCH EXISTING CONDITIONS.</div><div>5. EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE BASED UPON BASE BUILDING OR OTHER CONSTRUCTION DOCUMENTS MADE AVAILABLE TO THE DESIGNER BY THE BUILDING MANAGEMENT. ALL AS-BUILT ARCHITECTURAL CONDITIONS HAVE NOT BEEN FIELD VERIFIED AND MAY VARY FROM THOSE SHOWN.</div><div>6. PRIOR TO BID: FIELD VERIFY ALL EXISTING CONSTRUCTION TO REMAIN AND INCLUDE COSTS FOR REPAIR AND RECONDITION OF ALL EXISTING</div></div></div> <td><div><div>CONSTRUCTION TO REMAIN SO THAT IT MEETS THE AESTHETIC AND FUNCTIONAL STANDARD OF QUALITY FOR NEW CONSTRUCTION. BLEND AND MATCH EXISTING CONSTRUCTION WITH NEW CONSTRUCTION PRIOR TO BID, ADVISE TENANT OF ANY CONDITIONS WHICH CANNOT BE REPAIRED OR RECONDITIONED, BLENDED AND MATCHED. NOTE CONTRACT DOCUMENT REQUIREMENTS FOR EXISTING CONSTRUCTION AND INCLUDE COSTS FOR THIS WORK IN BID PROPOSAL.</div><div><div>1. THE GENERAL CONTRACTOR SHALL, IN THE BIDDING PROCESS, REQUIRE THAT MECHANICAL AND ELECTRICAL SUBCONTRACTORS MAKE A THOROUGH FIELD INSPECTION OF AS-BUILT CONDITIONS OF EXISTING SYSTEMS. AFTER SUCH FIELD VERIFICATION HAS BEEN COMPLETED, THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PROVIDE IN THEIR BIDS, ANY MODIFICATIONS TO THE EXISTING SYSTEMS WHICH MAY BE REQUIRED TO ACCOMMODATE THE PROPOSED REQUIREMENTS FOR THIS TENANT. IF A DETERMINATION OF SUCH MODIFICATIONS CANNOT BE MADE, THE GENERAL CONTRACTOR SHALL NOTIFY THE TENANT, AND AT THE DIRECTION OF THE TENANT, PROVIDE AN AGREED UPON ALLOWANCE TO COVER SUCH WORK.</div><div>2. COMMENCING WORK BY A CONTRACTOR OR SUBCONTRACTOR CONSTITUTES ACCEPTANCE OF THE UNDERLYING CONDITIONS AND SURFACES. PRIOR TO PROCEEDING WITH THE WORK, PREPARE EXISTING AND NEW UNDERLYING CONDITIONS AND SUBSTRATE TO COMPLY WITH THE CONTRACT DOCUMENTS, INDUSTRY STANDARDS AND MANUFACTURERS RECOMMENDATION.</div><div>3. FIELD VERIFY ALL ROUGH OPENINGS AND WALL WIDTHS PRIOR TO ORDERING OR FABRICATION OF MATERIALS.</div><div>4. DIMENSIONS ARE NOMINAL AND TO THE FACE OF PARTITIONS.</div><div>5. CLEAN-UP OF RUBBISH AND DEBRIS RESULTING FROM DEMOLITION AND NEW WORK SHALL BE COLLECTED REGULARLY FROM PROJECT SITE AND LEGALLY DISPOSED.</div><div>6. ALL WEATHER EXPOSED SURFACES SHALL HAVE A WEATHER RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERINGS AND EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF.</div><div>7. CONTRACTORS ARE RESPONSIBLE FOR ALL MATERIALS AND QUANTITIES SHOWN IN THESE DRAWINGS GRAPHICALLY AS WELL AS THOSE CALLED FOR BY NOTE.</div><div>8. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE THE PROPOSED WORK AND SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.</div><div>9. THE TENANT OR THE TENANT'S DESIGNATED REPRESENTATIVE WILL PROVIDE SERVICES IN CONNECTION WITH ADMINISTRATION OF THE CONTRACT.</div><div>10. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS OF THE GOVERNING AGENCIES HAVING JURISDICTION.</div><div>11. THE CONTRACTOR MUST TAKE ADEQUATE CARE TO PROTECT ALL AREAS OF THE BUILDING WHERE THE WORK OF THIS PROJECT IS LOCATED AS WELL AS</div></div></div><td><div><div>THE AREAS ADJACENT TO THE AREA OF THE WORK OF THIS PROJECT SO AS TO PREVENT DAMAGE TO LIFE OR PROPERTY AS A RESULT OF THIS CONSTRUCTION PROJECT.</div><div><div>10. ONLY MATERIALS THAT ARE NEW, UNUSED, FREE FROM DEFECTS, AND THE BEST OF THEIR RESPECTIVE KINDS SHALL BE USED. THE BASIS OF QUALITY SHALL BE THE LATEST STANDARDS OF ASTM, ASA OR ASHRA.</div><div>11. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES INCLUDING THOSE OF THE TENANT WHO MAY BE ENGAGED UNDER A SEPARATE CONTRACT.</div><div>12. INSTALL ALL WORK IN SUCH A MANNER AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND/OR REPAIRS.</div><div>13. ALL WORK AND EQUIPMENT SHALL BE CLEANED TO THE SATISFACTION OF THE TENANT BEFORE BEING TURNED OVER FOR USE.</div><div>14. A COPY OF THE LATEST SET OF CONSTRUCTION DOCUMENTS SHALL BE KEPT AT THE JOB SITE AT ALL TIMES.</div><div>15. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL KEEP ACCURATE RECORDS OF ANY MODIFICATION OR DEVIATIONS FROM THE CONTRACT DRAWINGS.</div><div>16. PROJECT CLOSE OUT DOCUMENTS SHALL BE PROVIDED TO THE TENANT. INCLUDE AS-BUILT DRAWINGS, WARRANTY/MAINTENANCE MANUALS AND TESTING AND SUPERVISION AS REQUIRED. PRESERVE ALL PRINTED INSTRUCTIONS AND WARRANTIES THAT ARE PROVIDED WITH EQUIPMENT OR MATERIALS USED, AND DELIVER SAID PRINTED MATTER TO THE TENANT AT THE TIME OF SUBSTANTIAL COMPLETION. IF REQUESTED BY THE TENANT, INSTRUCT THE MANAGEMENT IN THE PROPER USE AND MAINTENANCE OF ALL ITEMS OF WORK PROVIDED.</div><div>17. PROVIDE WORK IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDATION, EXCEPT IN THE CASE WHERE THE CONTRACT DOCUMENTS ARE MORE STRINGENT. PROVIDE ANY MISCELLANEOUS ITEMS OR MATERIALS NOT SPECIFICALLY NOTED, BUT REQUIRED FOR PROPER INSTALLATION OF THE WORK.</div><div>18. ALL WORK SHALL BE WARRANTED BY THE CONTRACTOR TO BE SATISFACTORY, IN MATERIALS AND WORKMANSHIP, FOR A MINIMUM PERIOD OF ON (1) YEAR, OR FOR THE PERIOD OF WARRANTY CUSTOMARY, SPECIFIED FOR, THE TRADE, CRAFT OR PRODUCT, WHICHEVER IS LONGER.</div><div>19. SUBMIT REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS IN WRITING, ACCOMPANIED BY THE ALTERNATIVE PRODUCT INFORMATION, TO THE TENANT. SUBSTITUTIONS MAY BE CONSIDERED ONLY IF THEY DO NOT SACRIFICE QUALITY, APPEARANCE AND FUNCTION. ACCEPTANCE OF SUBSTITUTIONS IS AT THE SOLE DISCRETION OF THE TENANT.</div></div></div><td><div><div>A. TENANT FINISH</div><div>B. ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE FOLLOWING BUILDING CODES AND REQUIREMENTS ADOPTED AND AS AMENDED BY THE CITY OF LEES SUMMIT, MISSOURI:<div><div>B.1. 2018 International Building Code</div><div>B.2. 2018 International Plumbing Code</div><div>B.3. 2018 International Mechanical Code</div><div>B.4. 2018 International Fuel Gas Code</div><div>B.5. 2018 International Residential Code</div><div>B.6. 2018 International Fire Code</div><div>B.7. 2017 National Electrical Code</div><div>B.8. ICC/ANSI A117.1-2009, Accessible and Usable Buildings and Facilities</div></div></div><div>C. OCCUPANCY GROUP: B</div><div>D. CONSTRUCTION TYPE: IIB</div><div>E. FULLY-SPRINKLED FIRE ALARM PROVIDED</div><div>F. SQUARE FOOTAGE TENANT INFILL = 1,568 SF</div><div>G. OCCUPANT LOAD = 1,568/ 150 = 10.45 ± 11 OCC</div><div>H. SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1):<div><div>H.1. OCCUPANCY B = MAXIMUM OCCUPANT LOAD 48</div><div>H.2. COMMON PATH OF EGRESS TRAVEL IN GROUP B OCCUPANCY WITH SPRINKLER SYSTEM HAS AN OCCUPANT LOAD OF 449, THE LENGTH OF COMMON EGRESS TRAVEL SHALL NOT BE MORE THAN 100 FEET.</div></div></div></div></td><td><div><div><div>AREA OF WORK</div><div>COMMON PATH = 77'-0"</div><div>UNFINISHED AREA</div><div>UNFINISHED AREA</div><div>LOCATION</div><div>NO WORK IN SHADED AREA</div><div>NORTH</div></div></div></td><td><div><div>AREA MAP</div><div>NORTH</div></div></td></td></td>	<div><div>CONSTRUCTION TO REMAIN SO THAT IT MEETS THE AESTHETIC AND FUNCTIONAL STANDARD OF QUALITY FOR NEW CONSTRUCTION. BLEND AND MATCH EXISTING CONSTRUCTION WITH NEW CONSTRUCTION PRIOR TO BID, ADVISE TENANT OF ANY CONDITIONS WHICH CANNOT BE REPAIRED OR RECONDITIONED, BLENDED AND MATCHED. NOTE CONTRACT DOCUMENT REQUIREMENTS FOR EXISTING CONSTRUCTION AND INCLUDE COSTS FOR THIS WORK IN BID PROPOSAL.</div><div><div>1. THE GENERAL CONTRACTOR SHALL, IN THE BIDDING PROCESS, REQUIRE THAT MECHANICAL AND ELECTRICAL SUBCONTRACTORS MAKE A THOROUGH FIELD INSPECTION OF AS-BUILT CONDITIONS OF EXISTING SYSTEMS. AFTER SUCH FIELD VERIFICATION HAS BEEN COMPLETED, THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PROVIDE IN THEIR BIDS, ANY MODIFICATIONS TO THE EXISTING SYSTEMS WHICH MAY BE REQUIRED TO ACCOMMODATE THE PROPOSED REQUIREMENTS FOR THIS TENANT. IF A DETERMINATION OF SUCH MODIFICATIONS CANNOT BE MADE, THE GENERAL CONTRACTOR SHALL NOTIFY THE TENANT, AND AT THE DIRECTION OF THE TENANT, PROVIDE AN AGREED UPON ALLOWANCE TO COVER SUCH WORK.</div><div>2. COMMENCING WORK BY A CONTRACTOR OR SUBCONTRACTOR CONSTITUTES ACCEPTANCE OF THE UNDERLYING CONDITIONS AND SURFACES. PRIOR TO PROCEEDING WITH THE WORK, PREPARE EXISTING AND NEW UNDERLYING CONDITIONS AND SUBSTRATE TO COMPLY WITH THE CONTRACT DOCUMENTS, INDUSTRY STANDARDS AND MANUFACTURERS RECOMMENDATION.</div><div>3. FIELD VERIFY ALL ROUGH OPENINGS AND WALL WIDTHS PRIOR TO ORDERING OR FABRICATION OF MATERIALS.</div><div>4. DIMENSIONS ARE NOMINAL AND TO THE FACE OF PARTITIONS.</div><div>5. CLEAN-UP OF RUBBISH AND DEBRIS RESULTING FROM DEMOLITION AND NEW WORK SHALL BE COLLECTED REGULARLY FROM PROJECT SITE AND LEGALLY DISPOSED.</div><div>6. ALL WEATHER EXPOSED SURFACES SHALL HAVE A WEATHER RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERINGS AND EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF.</div><div>7. CONTRACTORS ARE RESPONSIBLE FOR ALL MATERIALS AND QUANTITIES SHOWN IN THESE DRAWINGS GRAPHICALLY AS WELL AS THOSE CALLED FOR BY NOTE.</div><div>8. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE THE PROPOSED WORK AND SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.</div><div>9. THE TENANT OR THE TENANT'S DESIGNATED REPRESENTATIVE WILL PROVIDE SERVICES IN CONNECTION WITH ADMINISTRATION OF THE CONTRACT.</div><div>10. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS OF THE GOVERNING AGENCIES HAVING JURISDICTION.</div><div>11. THE CONTRACTOR MUST TAKE ADEQUATE CARE TO PROTECT ALL AREAS OF THE BUILDING WHERE THE WORK OF THIS PROJECT IS LOCATED AS WELL AS</div></div></div> <td><div><div>THE AREAS ADJACENT TO THE AREA OF THE WORK OF THIS PROJECT SO AS TO PREVENT DAMAGE TO LIFE OR PROPERTY AS A RESULT OF THIS CONSTRUCTION PROJECT.</div><div><div>10. ONLY MATERIALS THAT ARE NEW, UNUSED, FREE FROM DEFECTS, AND THE BEST OF THEIR RESPECTIVE KINDS SHALL BE USED. THE BASIS OF QUALITY SHALL BE THE LATEST STANDARDS OF ASTM, ASA OR ASHRA.</div><div>11. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES INCLUDING THOSE OF THE TENANT WHO MAY BE ENGAGED UNDER A SEPARATE CONTRACT.</div><div>12. INSTALL ALL WORK IN SUCH A MANNER AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND/OR REPAIRS.</div><div>13. ALL WORK AND EQUIPMENT SHALL BE CLEANED TO THE SATISFACTION OF THE TENANT BEFORE BEING TURNED OVER FOR USE.</div><div>14. A COPY OF THE LATEST SET OF CONSTRUCTION DOCUMENTS SHALL BE KEPT AT THE JOB SITE AT ALL TIMES.</div><div>15. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL KEEP ACCURATE RECORDS OF ANY MODIFICATION OR DEVIATIONS FROM THE CONTRACT DRAWINGS.</div><div>16. PROJECT CLOSE OUT DOCUMENTS SHALL BE PROVIDED TO THE TENANT. INCLUDE AS-BUILT DRAWINGS, WARRANTY/MAINTENANCE MANUALS AND TESTING AND SUPERVISION AS REQUIRED. PRESERVE ALL PRINTED INSTRUCTIONS AND WARRANTIES THAT ARE PROVIDED WITH EQUIPMENT OR MATERIALS USED, AND DELIVER SAID PRINTED MATTER TO THE TENANT AT THE TIME OF SUBSTANTIAL COMPLETION. IF REQUESTED BY THE TENANT, INSTRUCT THE MANAGEMENT IN THE PROPER USE AND MAINTENANCE OF ALL ITEMS OF WORK PROVIDED.</div><div>17. PROVIDE WORK IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDATION, EXCEPT IN THE CASE WHERE THE CONTRACT DOCUMENTS ARE MORE STRINGENT. PROVIDE ANY MISCELLANEOUS ITEMS OR MATERIALS NOT SPECIFICALLY NOTED, BUT REQUIRED FOR PROPER INSTALLATION OF THE WORK.</div><div>18. ALL WORK SHALL BE WARRANTED BY THE CONTRACTOR TO BE SATISFACTORY, IN MATERIALS AND WORKMANSHIP, FOR A MINIMUM PERIOD OF ON (1) YEAR, OR FOR THE PERIOD OF WARRANTY CUSTOMARY, SPECIFIED FOR, THE TRADE, CRAFT OR PRODUCT, WHICHEVER IS LONGER.</div><div>19. SUBMIT REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS IN WRITING, ACCOMPANIED BY THE ALTERNATIVE PRODUCT INFORMATION, TO THE TENANT. SUBSTITUTIONS MAY BE CONSIDERED ONLY IF THEY DO NOT SACRIFICE QUALITY, APPEARANCE AND FUNCTION. ACCEPTANCE OF SUBSTITUTIONS IS AT THE SOLE DISCRETION OF THE TENANT.</div></div></div><td><div><div>A. TENANT FINISH</div><div>B. ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE FOLLOWING BUILDING CODES AND REQUIREMENTS ADOPTED AND AS AMENDED BY THE CITY OF LEES SUMMIT, MISSOURI:<div><div>B.1. 2018 International Building Code</div><div>B.2. 2018 International Plumbing Code</div><div>B.3. 2018 International Mechanical Code</div><div>B.4. 2018 International Fuel Gas Code</div><div>B.5. 2018 International Residential Code</div><div>B.6. 2018 International Fire Code</div><div>B.7. 2017 National Electrical Code</div><div>B.8. ICC/ANSI A117.1-2009, Accessible and Usable Buildings and Facilities</div></div></div><div>C. OCCUPANCY GROUP: B</div><div>D. CONSTRUCTION TYPE: IIB</div><div>E. FULLY-SPRINKLED FIRE ALARM PROVIDED</div><div>F. SQUARE FOOTAGE TENANT INFILL = 1,568 SF</div><div>G. OCCUPANT LOAD = 1,568/ 150 = 10.45 ± 11 OCC</div><div>H. SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1):<div><div>H.1. OCCUPANCY B = MAXIMUM OCCUPANT LOAD 48</div><div>H.2. COMMON PATH OF EGRESS TRAVEL IN GROUP B OCCUPANCY WITH SPRINKLER SYSTEM HAS AN OCCUPANT LOAD OF 449, THE LENGTH OF COMMON EGRESS TRAVEL SHALL NOT BE MORE THAN 100 FEET.</div></div></div></div></td><td><div><div><div>AREA OF WORK</div><div>COMMON PATH = 77'-0"</div><div>UNFINISHED AREA</div><div>UNFINISHED AREA</div><div>LOCATION</div><div>NO WORK IN SHADED AREA</div><div>NORTH</div></div></div></td><td><div><div>AREA MAP</div><div>NORTH</div></div></td></td>	<div><div>THE AREAS ADJACENT TO THE AREA OF THE WORK OF THIS PROJECT SO AS TO PREVENT DAMAGE TO LIFE OR PROPERTY AS A RESULT OF THIS CONSTRUCTION PROJECT.</div><div><div>10. ONLY MATERIALS THAT ARE NEW, UNUSED, FREE FROM DEFECTS, AND THE BEST OF THEIR RESPECTIVE KINDS SHALL BE USED. THE BASIS OF QUALITY SHALL BE THE LATEST STANDARDS OF ASTM, ASA OR ASHRA.</div><div>11. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES INCLUDING THOSE OF THE TENANT WHO MAY BE ENGAGED UNDER A SEPARATE CONTRACT.</div><div>12. INSTALL ALL WORK IN SUCH A MANNER AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND/OR REPAIRS.</div><div>13. ALL WORK AND EQUIPMENT SHALL BE CLEANED TO THE SATISFACTION OF THE TENANT BEFORE BEING TURNED OVER FOR USE.</div><div>14. A COPY OF THE LATEST SET OF CONSTRUCTION DOCUMENTS SHALL BE KEPT AT THE JOB SITE AT ALL TIMES.</div><div>15. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL KEEP ACCURATE RECORDS OF ANY MODIFICATION OR DEVIATIONS FROM THE CONTRACT DRAWINGS.</div><div>16. PROJECT CLOSE OUT DOCUMENTS SHALL BE PROVIDED TO THE TENANT. INCLUDE AS-BUILT DRAWINGS, WARRANTY/MAINTENANCE MANUALS AND TESTING AND SUPERVISION AS REQUIRED. PRESERVE ALL PRINTED INSTRUCTIONS AND WARRANTIES THAT ARE PROVIDED WITH EQUIPMENT OR MATERIALS USED, AND DELIVER SAID PRINTED MATTER TO THE TENANT AT THE TIME OF SUBSTANTIAL COMPLETION. IF REQUESTED BY THE TENANT, INSTRUCT THE MANAGEMENT IN THE PROPER USE AND MAINTENANCE OF ALL ITEMS OF WORK PROVIDED.</div><div>17. PROVIDE WORK IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDATION, EXCEPT IN THE CASE WHERE THE CONTRACT DOCUMENTS ARE MORE STRINGENT. PROVIDE ANY MISCELLANEOUS ITEMS OR MATERIALS NOT SPECIFICALLY NOTED, BUT REQUIRED FOR PROPER INSTALLATION OF THE WORK.</div><div>18. ALL WORK SHALL BE WARRANTED BY THE CONTRACTOR TO BE SATISFACTORY, IN MATERIALS AND WORKMANSHIP, FOR A MINIMUM PERIOD OF ON (1) YEAR, OR FOR THE PERIOD OF WARRANTY CUSTOMARY, SPECIFIED FOR, THE TRADE, CRAFT OR PRODUCT, WHICHEVER IS LONGER.</div><div>19. SUBMIT REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS IN WRITING, ACCOMPANIED BY THE ALTERNATIVE PRODUCT INFORMATION, TO THE TENANT. SUBSTITUTIONS MAY BE CONSIDERED ONLY IF THEY DO NOT SACRIFICE QUALITY, APPEARANCE AND FUNCTION. ACCEPTANCE OF SUBSTITUTIONS IS AT THE SOLE DISCRETION OF THE TENANT.</div></div></div> <td><div><div>A. TENANT FINISH</div><div>B. ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE FOLLOWING BUILDING CODES AND REQUIREMENTS ADOPTED AND AS AMENDED BY THE CITY OF LEES SUMMIT, MISSOURI:<div><div>B.1. 2018 International Building Code</div><div>B.2. 2018 International Plumbing Code</div><div>B.3. 2018 International Mechanical Code</div><div>B.4. 2018 International Fuel Gas Code</div><div>B.5. 2018 International Residential Code</div><div>B.6. 2018 International Fire Code</div><div>B.7. 2017 National Electrical Code</div><div>B.8. ICC/ANSI A117.1-2009, Accessible and Usable Buildings and Facilities</div></div></div><div>C. OCCUPANCY GROUP: B</div><div>D. CONSTRUCTION TYPE: IIB</div><div>E. FULLY-SPRINKLED FIRE ALARM PROVIDED</div><div>F. SQUARE FOOTAGE TENANT INFILL = 1,568 SF</div><div>G. OCCUPANT LOAD = 1,568/ 150 = 10.45 ± 11 OCC</div><div>H. SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1):<div><div>H.1. OCCUPANCY B = MAXIMUM OCCUPANT LOAD 48</div><div>H.2. COMMON PATH OF EGRESS TRAVEL IN GROUP B OCCUPANCY WITH SPRINKLER SYSTEM HAS AN OCCUPANT LOAD OF 449, THE LENGTH OF COMMON EGRESS TRAVEL SHALL NOT BE MORE THAN 100 FEET.</div></div></div></div></td> <td><div><div><div>AREA OF WORK</div><div>COMMON PATH = 77'-0"</div><div>UNFINISHED AREA</div><div>UNFINISHED AREA</div><div>LOCATION</div><div>NO WORK IN SHADED AREA</div><div>NORTH</div></div></div></td> <td><div><div>AREA MAP</div><div>NORTH</div></div></td>	<div><div>A. TENANT FINISH</div><div>B. ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE FOLLOWING BUILDING CODES AND REQUIREMENTS ADOPTED AND AS AMENDED BY THE CITY OF LEES SUMMIT, MISSOURI:<div><div>B.1. 2018 International Building Code</div><div>B.2. 2018 International Plumbing Code</div><div>B.3. 2018 International Mechanical Code</div><div>B.4. 2018 International Fuel Gas Code</div><div>B.5. 2018 International Residential Code</div><div>B.6. 2018 International Fire Code</div><div>B.7. 2017 National Electrical Code</div><div>B.8. ICC/ANSI A117.1-2009, Accessible and Usable Buildings and Facilities</div></div></div><div>C. OCCUPANCY GROUP: B</div><div>D. CONSTRUCTION TYPE: IIB</div><div>E. FULLY-SPRINKLED FIRE ALARM PROVIDED</div><div>F. SQUARE FOOTAGE TENANT INFILL = 1,568 SF</div><div>G. OCCUPANT LOAD = 1,568/ 150 = 10.45 ± 11 OCC</div><div>H. SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1):<div><div>H.1. OCCUPANCY B = MAXIMUM OCCUPANT LOAD 48</div><div>H.2. COMMON PATH OF EGRESS TRAVEL IN GROUP B OCCUPANCY WITH SPRINKLER SYSTEM HAS AN OCCUPANT LOAD OF 449, THE LENGTH OF COMMON EGRESS TRAVEL SHALL NOT BE MORE THAN 100 FEET.</div></div></div></div>	<div><div><div>AREA OF WORK</div><div>COMMON PATH = 77'-0"</div><div>UNFINISHED AREA</div><div>UNFINISHED AREA</div><div>LOCATION</div><div>NO WORK IN SHADED AREA</div><div>NORTH</div></div></div>	<div><div>AREA MAP</div><div>NORTH</div></div>



1-07-2022

**GUY GRONBERG
ARCHITECTS, P.C.**
113 SE 3rd St.

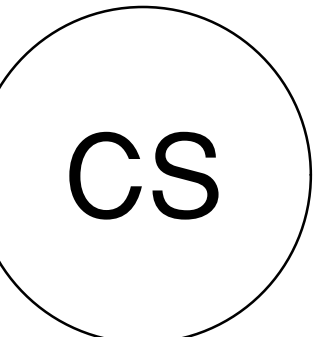


Lee's Summit Medical Center, MOB
INFUSION CENTER

1980 SE Blue Parkway, Suite 230Z, Lee's Summit, MO 64063

under its supervision and is needed for use on this project only. Pursuant to the Architectural Works Copyright Protection Act of 1990, all drawings, specifications, ideas and designs, including the overall form, arrangement and composition of spaces and elements appearing herein, constitute the original, copyrightable work of the designer/Architect. Any reproduction or use of the drawings, specifications, ideas and designs, without prior written consent of the Architect, is strictly prohibited.

© COPYRIGHT 2020 GUY
 BREWER ARCHITECTS, P.C.

[illegible]

1. FURR-OUT AROUND THE STRUCTURAL COLUMNS AND MECHANICAL CHASES AS REQUIRED. MINIMIZE DEPTH OF FURRING.
2. PROVIDE SOLID BLOCKING FOR DOORS, WINDOWS, TOILET PARTITION, ACCESSORIES, HANDRAILS, LAVATORY BRACES, CASEWORK, SHELVING ETC. AS REQUIRED BY MANUFACTURER AND ALL WORK DONE BY CARPENTRY AND MILLWORK TRADES. ALL WOOD REQUIRED BY BUILDING CODES SHALL MEET ALL REQUIREMENTS TO THE CODE OF UNDERSIERS LABORATORIES, INC. VERIFY THE DEPTH OF WALLS PRIOR TO INSTALLING RECESSED FIXTURES.
3. ALL EXPOSED EDGES AND / OR CORNER ON ALL GYPSUM WALL BOARD CONSTRUCTION SHALL HAVE A METAL CORNER TRIM, TAPED AND SPACKLED.
4. ALL NEW GYPSUM BOARD PARTITIONS TO BE PROPERLY PREPARED, PATCHED, SPACKLED AND SANDED, ETC., TO PROVIDE A SMOOTH FINISH AND AS REQUIRED TO RECEIVE NEW FINISHES.
5. ALL OPENINGS IN GYPSUM BOARD PARTITIONS SHALL BE DOUBLE STUDDED.
6. WHERE INDICATED BY PLAN NOTE #3 PROVIDE 6" STUDS IN LIEU OF SIZED INDICATED BY WALL TYPE.
7. IN THE FOLLOWING ROOMS PROVIDE MOISTURE/MOLD RESISTANT GYPSUM BOARD IN LIEU OF THE STANDARD GYPSUM BOARD INDICATED IN WALL TYPES BELOW: TOILET 302.05

- 1½" 25 GAUGE MTL. STUDS @ 16" O.C. WITH ¾" GYPSUM BOARD
ONE SIDE. EXTEND ALL TO 4" ABOVE DROPPED CEILING.
- 3½" 25 GAUGE MTL. STUDS @ 16" O.C. WITH ¾" GYPSUM BOARD
ONE SIDE. EXTEND ALL TO 4" ABOVE DROPPED CEILING.
- 3½" 25 GAUGE MTL. STUDS @ 16" O.C. WITH ¾" GYPSUM BOARD
EACH SIDE AND 3/8" R-11 UNFACED ACOUSTICAL BATTS
EXTEND ALL TO 4" ABOVE DROPPED CEILING. PROVIDE 45°
STUD KICKERS UP TO STRUCTURE AT 4'-0" O.C.
- 3½" 25 GAUGE MTL. STUDS @ 16" O.C. WITH ¾" GYPSUM BOARD
EACH SIDE AND 3/8" R-11 UNFACED ACOUSTICAL BATTS
EXTEND ALL TO UNDERSIDE OF ROOF DECK. PROVIDE DEEP
LEG DEFLECTION TRACK AT TOP OF WALL INSTALLED PER
MANUFACTURER'S INSTRUCTIONS. TAPE AND FINISH FROM
FLOOR TO 9'-0" AFF. ABOVE 9'-0" AFF TO UNDERSIDE OF
ROOF DECK FIRE TAPE ALL JOINTS AND FASTENERS. PROVIDE
ACOUSTICAL SEALANT AT ALL PERIMETERS AND THRU WALL
PENETRATIONS.
- 3½" 25 GAUGE MTL. STUDS @ 16" O.C. WITH ¾" GYPSUM BOARD
ON TENANT SIDE ONLY AND 3/8" R-11 FSK ACOUSTICAL BATTS
EXTEND ALL TO UNDERSIDE OF ROOF DECK. PROVIDE DEEP
LEG DEFLECTION TRACK AT TOP OF WALL INSTALLED PER
MANUFACTURER'S INSTRUCTIONS. TAPE AND FINISH FROM
FLOOR TO 9'-0" AFF. ABOVE 9'-0" AFF TO UNDERSIDE OF
ROOF DECK FIRE TAPE ALL JOINTS AND FASTENERS. PROVIDE
ACOUSTICAL SEALANT AT ALL PERIMETERS AND THRU WALL
PENETRATIONS.

- 1 OWNER PROVIDED FURNITURE NOT IN CONTRACT IS INDICATED
THIS ————— FURNITURE —————
- 2 PROVIDE 6" STUDS IN LIEU OF SIZED INDICATED BY WALL TYPE.
- 3 RELOCATE DOOR AS INDICATED ON DOOR SCHEDULE. REMOVE AND
RECLAM HARDWARE. REMOVE AND SALVAGE FRAME.
- 4 REMOVE AND DISCARD PORTION OF WALL AND REFRAME AND FINISH WITH
GYPSUM BOARD TO PROVIDE NEW OPENING.
- 5 PROVIDE FIRE EXTINGUISHER AND CABINET PER SPECIFICATION.
- 6 EXTERIOR WALL HAS EXISTING TO REMAIN GYPSUM BOARD INSTALLED
FROM WINDOW SILL HEIGHT TO UNDERSIDE OF ROOF DECK. INSTALL
GYPSUM BOARD FROM FLOOR TO WINDOW SILL HEIGHT. TAPE AND FINISH
FIRE TAPE 1'-0" AFF TO 9'-0" AFF INCLUDING RETURN AT JAMBS AND HEADS OF
WINDOWS. ABOVE 9'-0" AFF TO UNDERSIDE OF ROOF DECK FIRE TAPE ALL
JOINTS AND FASTENERS.
- 7 EXISTING TO REMAIN STAIR WALL HAS GYPSUM BOARD INSTALLED AND HAS
BEEN FIRE TAPED. FINISH WALL AS REQUIRED TO RECEIVE NEW FINISH
FROM FLOOR TO 9'-0" AFF.
- 8 EXISTING TO REMAIN CORRIDOR FRAMING TO HAVE NEW GYPSUM BOARD
INSTALLED FROM FLOOR TO UNDERSIDE OF ROOF DECK. TAPE AND FINISH
FROM FLOOR TO 9'-0" AFF. ABOVE 9'-0" AFF TO UNDERSIDE OF ROOF
DECK FIRE TAPE ALL JOINTS AND FASTENERS. PROVIDE ACOUSTICAL
SEALANT AT ALL PERIMETERS AND THRU WALL PENETRATIONS.
- 9 PROVIDE SOLID SURFACE 362" SILL WITH LIP AT WINDOWS TO MATCH
BUILDING STANDARD.
- 10 INSTALL AND FINISH NET AREA GYPSUM BOARD OVER EXISTING GYPSUM
BOARD AT NORTH WALL OF TOILET ROOM.
- 11 RELOCATE WATER LINE INTO NEW CHASE AT COLUMN.
- 12 PROVIDE 4'-0" x 4'-0" x 1/2" SANDPEY TELEPHONE BACKER BOARD
COORDINATE MOUNTING HEIGHT OF BOARD, POWER AND DATA OUTLETS
WITH TENANT.
- 13 FULLY RECESSED ELECTRICAL PANEL.



	NEW DUPLEX ELECTRICAL RECEPTACLE
	NEW QUAD ELECTRICAL RECEPTACLE
	NEW DATA OUTLET
	NEW ABOVE COUNTER RECEPTACLE
	NEW ABOVE COUNTER DATA OUTLET
GFI	GROUND FAULT CIRCUIT INTERRUPTER DEVICE

CORNER GUARDS **CG-1**

CG-1 CORNER GUARDS C/S AGROVYN 55M-20AN-ACROVYN- 4000 PUMICE
#858 2" 90 DEGREE, ABOVE BASE TO 48" A.F.F.

CG-2 CORNER GUARDS C/S AGROVYN 55M-25AN-ACROVYN 4000 PUMICE
#858 2" END WALL, ABOVE BASE TO 48" A.F.F.

FLOORING

LVT MOHAWK GROUP URBAN NATIVE WOOD 8'X11 x 48"L x 2.5MM, 947 YOGA

BASE

B1 4" HIGH, COVED, ROLLED GOODS, TO MEET THE PERFORMANCE AND DIMENSIONAL REQUIREMENTS OF ASTM F-1861, TYPE TP. MOHAWK 846 GREIGE

PAINT COLORS

NOTE: ALSO REFER TO PAINT SCHEDULE IN SPECIFICATIONS FOR PAINTS.

PT1 PRIMARY FIELD COLOR: SHERWIN WILLIAMS, CUSTOM COLOR
VERIFY WITH TENANT



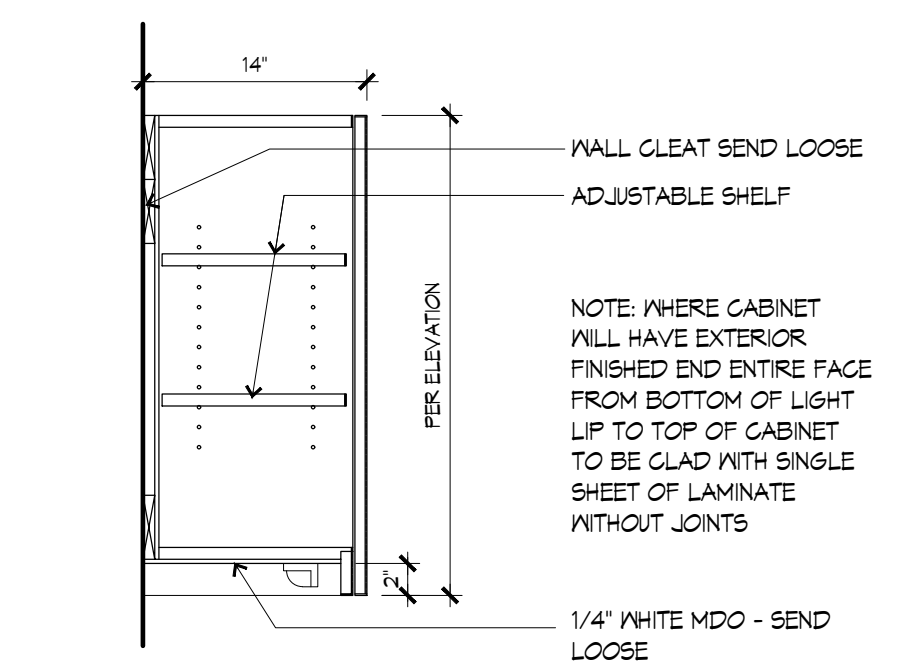
PT2 EPOXY PAINT - TOILET ROOM COLOR: MATCH PT1

PT3 ACCENT COLOR: SHERWIN WILLIAMS SW6160 TURKISH TILE

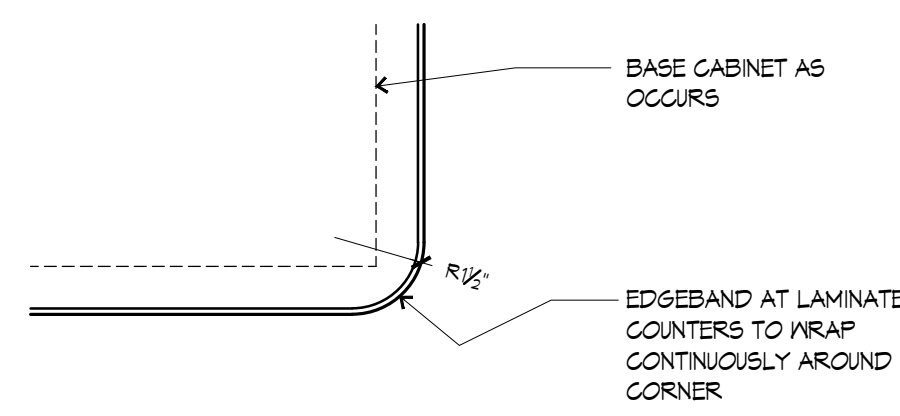
PT4 DOOR FRAME AND WINDOW TRIM COLOR: TO MATCH BUILDING STANDARDS

1. FINISH MATERIALS LISTED HERE-IN ARE TO ESTABLISH THE SIGNIFICANT QUALITIES RELATED TO TYPE, FUNCTION, DIRECTION, PRICE, PHYSICAL PROPERTIES, APPEARANCE, AND OTHER CHARACTERISTICS OF THE PRODUCT. FINAL SELECTION OF ALL FINISHES ARE TO BE ESTABLISHED AND PROVIDED BY THE INTERIOR DESIGNER.
2. PATCH, LEVEL, AND PREPARE ALL FLOORS AS RECOMMENDED BY FLOORING MANUFACTURER FOR EACH TYPE OF FLOORING TO BE PLACED USE TROWELABLE LEVELING AND PATCHING COMPOUND TO FILL CRACKS, HOLES, AND DEPRESSIONS IN SUBSTRATES. TROWELABLE LEVELING AND PATCHING COMPOUNDS SHALL BE OF LATEX-MODIFIED, PORTLAND CEMENT BASED OR BLENDED HYDRAULIC CEMENT BASED FORMULATION. PATCHING OR APPROVED BY FLOOR COVERING MANUFACTURER FOR APPLICATIONS INDICATED.
3. TRANSITIONS BETWEEN FLOOR FINISHES:
 - 3.1. ALL PORCELAIN TILE FLOORING TO HAVE SCHLUTER SCHEN SATIN ANODIZED ALUMINUM TRIM TO MATCH TILE DEPTH. RAISE ADJACENT FLOORINGS WITH ROFFE SUBLEVELER TS-1 SO FINISH HEIGHTS ARE EQUAL, AND BUTT ADJACENT FLOORING TO THE TRIM JOINT.
 - 3.2. AT ALL LOCATIONS NOT INDICATED FLOORING MATERIAL IS TO BE TIGHTLY BUTT TOGETHER. AT ALL TRANSITIONS WHERE FINISHED FLOOR HEIGHT OF A FLOORING IS HIGHER THEN ADJACENT FLOOR FINISH, RAISE ADJACENT FLOORING WITH ROFFE SUBLEVELER TS-1 SO FINISH HEIGHTS ARE EQUAL.
4. IF SUBSTITUTIONS ARE MADE WITH SUPPLIER OF PAINT, SAMPLE TO BE SUBMITTED FOR APPROVAL.

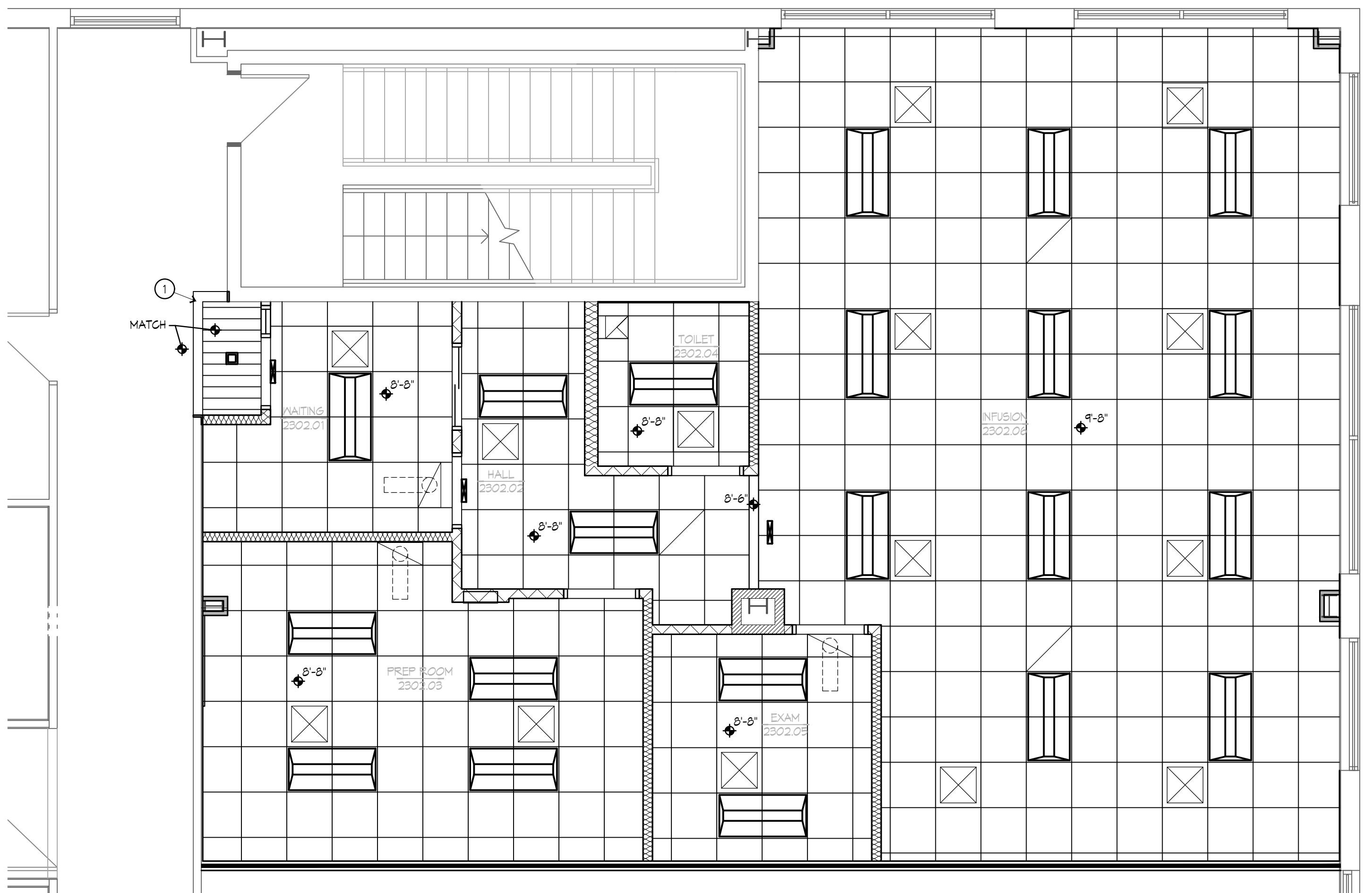
[illegible]



2 TYPICAL UPPER
1"=1'-0"



3 TYPICAL COUNTER CORNER
3"=1'-0"



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

INTERIOR FRAME TYPES

A KD DRYWALL METAL ALUMINUM INTERIOR FRAME - PAINT

B CLEAR ANODIZED ALUMINUM INTERIOR STOREFRONT FRAME TO MATCH BUILDING STANDARD

C KD DRYWALL METAL FRAME - NO STOPS - PAINT

DOOR TYPES

1 FLUSH SOLID CORE LAMINATE DOOR WITH MATCHING EDGE TO MATCH BUILDING STANDARD (VILSONART 789T-3S EBONY RECON)

2 REUSE DOOR INDICATED BY FLOOR PLAN NOTE #3 ON SHEET A2.

3 CLEAR ANODIZED ALUMINUM INTERIOR DOOR TO MATCH BUILDING STANDARD

GLAZING

GZ-1 1/2" CLEAR TEMPERED SAFETY GLASS WITH APPLIED WINDOW FILM.

GZ-2 1/2" CLEAR TEMPERED SAFETY GLASS WITH APPLIED WINDOW FILM. BASIS OF DESIGN FILM TO BE SOLYX SK-9131 ECO DUSTED INSTALLED WITH 1" CLEAR BOARDER AT PERIMETER OF EACH GLASS PANE. VERIFY FINAL SELECTION WITH OWNER.

DOOR HARDWARE

HARDWARE SET 01
EACH TO HAVE:
1 EA HINGE 112HD 318AN IVE
1 EA GLASSRM ND7BLD SPA 626 SCH
1 EA SURFACE CLOSER 4040XP-EDA 689 LCN
1EA WALL STOP MS406/40T CCV 630 IVE
1EA GASKETING 488BK PSA BK ZER VON
1EA ELECTRIC STRIKE 6211 FSE 630 VON
NOTE: CARD ACCESS AND/OR DOOR OPERATOR BY FUTURE TENANT IF DESIRED. POWER SUPPLY TO BE STUBBED ABOVE CEILING FOR FUTURE CONNECTION.

HARDWARE SET 02
ITEMS INDICATED RECLAIMED TO COME FROM DOOR INDICATED BY FLOOR PLAN NOTE #3 ON SHEET A2.
3EA RECLAIMED HINGES
1EA PRIVACY SET ND445 SPA 626 SCH
1EA RECLAIMED CLOSURE
1EA KICK PLATE 8400 10" X 2" LDN 630 IVE
1EA WALL STOP MS406/40T CCV 630 IVE
3EA SILENCER SR64 GRAY IVE

HARDWARE SET 03
EACH TO HAVE:
3EA HINGE 5BB1HW 4.5 X 4.5 652 IVE
1EA ELECTRONIC AD200C/TOKP SPA 626 SCH
1EA SURFACE CLOSER 4040XP 689 LCN
1EA KICK PLATE 8400 10" X 2" LDN 630 IVE
1EA WALL STOP MS406/40T CCV 630 IVE
3EA SILENCER SR64 GRAY IVE

HARDWARE SET 04
EACH TO HAVE:
3EA HINGE 5BB1HW 4.5 X 4.5 652 IVE
1EA MORTISE PRIVACY L9496 SPA 626 SCH
1EA SURFACE CLOSER 4040XP 689 LCN
1EA KICK PLATE 8400 10" X 2" LDN 630 IVE
1EA MORTISE DOOR BOTTOM 2256 BLK NSP
1EA WALL STOP MS406/40T CCV 630 IVE
1EA GASKETING 488BK PSA BK ZER

HARDWARE SET 05
EACH TO HAVE:
3EA HINGE 5BB1HW 4.5 X 4.5 652 IVE
1EA PASSAGE SET ND105 SPA 626 SCH
1EA WALL STOP MS406/40T CCV 630 IVE
2EA SILENCER SR64 GRAY IVE

HN SET: 06
SLIDING PASS-THRU WINDOW SHALL BE OR LAURENCE CUSTOM SHARYN XXA FRAMELESS PASS-THRU, SATIN ANODIZED, COMPLETE WITH ALL ACCESSORIES, BUMPERS, STRIKES AND GUIDES ECT. PROVIDE PUSH BUTTON LOCK. PROVIDE 1/2" CLEAR TEMPERED GLASS.

DOOR AND FRAME SCHEDULE

DOOR #	DOOR OR OPNG SIZE	FRAME	DOOR	HRDN	LOCK
01	3'-0" x T-O" x 1'-3/4"	B	3	01	CLASSRM
02	3'-0" x T-O" x 1'-3/4"	A	2	02	PRIVACY
03	3'-0" x T-O" x 1'-3/4"	A	1	03	PUSH BTN.
04	3'-0" x T-O" x 1'-3/4"	A	1	03	PRIVACY
05	3'-0" x T-O" x 1'-3/4"	A	1	05	PASSAGE
06	3'-6" x 4'-2"	C	-	06	TUMBLER

DOOR, FRAME, & HARDWARE NOTES

- FINISH HARDWARE TO MEET REQUIREMENTS OF ANSI/BHMA A156 STANDARDS FOR GRADE 2. PROVIDE PRODUCTS AS MANUFACTURED BY ALLEGION / SCHLAGE OR APPROVED EQUAL.
- THE CONTRACTOR SHALL VERIFY LOCK/LATCH FUNCTIONS AND ALL KEYING REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
- HARDWARE FINISHES AND LEVER STYLES ARE TO MATCH EXISTING HARDWARE IN SAME AREA.
- HARDWARE MOUNTING HEIGHTS BY THE DOOR AND HARDWARE INSTITUTE "RECOMMENDED LOCATIONS FOR BUILDERS HARDWARE". ALL DOOR HARDWARE IS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND HAVE LEVER HANDLES.
- DOOR FRAME FASTENERS AND DOOR CLIPS SHALL BE SECURED WITH NOT LESS THAN 2 SUITABLE FASTENERS. DOOR JAMB ANCHOR CLIPS SHALL BE BOLTED OR SCREWED TO STUDS. THREE PER JAMB.

**GUY GRONBERG
ARCHITECTS, P.C.**
115 SE 3rd St.
Lee's Summit, MO 64063
Phone 816.524.0278
Fax 816.524.9570

Lee's Summit Medical Center, MOB
INFUSION CENTER
1980 SE Blue Parkway, Suite 2302, Lee's Summit, MO 64063

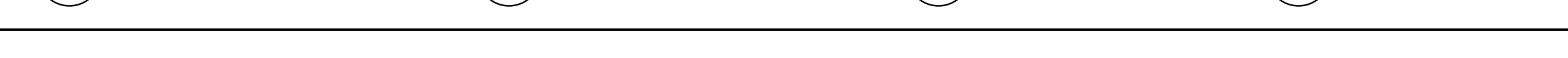
This drawing has been provided as an instrument of service by the architect, or under his supervision and is intended for use on this project only. In accordance with the provisions of the AIA Contract Documents, the architect warrants that the work was prepared in accordance with the applicable provisions of the AIA Contract Documents, and that the work is the original, copyrighted work of the architect/architect. Any reproduction, use, or disclosure of information contained herein without the prior written consent of the architect is strictly prohibited.



© COPYRIGHT 2020 GUY
GRONBERG ARCHITECTS P.C.

REV#	DATE	DESCRIPTION
DATE: 01-07-2021		
PROJECT# 21016		

A4

CONTRACTOR IS TO COORDINATE ELECTRICAL AND LOW-VOLTAGE HOOK-UP REQUIREMENTS AND IS PROVIDE AND INSTALL BLOCKING FOR ALL MOUNTED ITEMS REGARDLESS OF WHO IS TO DO THE FINAL INSTALLATION. SEE DESCRIPTION FOR INSTALLATION REQUIREMENTS. MOUNTING LOCATIONS INDICATED ON THESE DRAWINGS REPRESENT APPROXIMATE LOCATIONS. PRECISE MOUNTING LOCATIONS ARE TO BE VERIFIED IN FIELD WITH OWNER PRIOR TO INSTALLATION.





JSC
ENGINEERS

1980 SE Blue Parkway, Lee's Summit, MO 64063

REV#	DATE	DESCRIPTION
DATE: 01-07-2022		
PROJECT# 22-007		

MP1

1. GENERAL PROVISIONS:

- A. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE PLUMBING AND MECHANICAL SYSTEMS OUTLINED.
- B. OBTAIN ALL PERMITS, FEES, LICENSES, INSPECTIONS, AND CERTIFICATIONS OF COMPLIANCE OR APPROVAL AS REQUIRED BY AUTHORITIES.
- C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS OF THE GOVERNING AGENCIES HAVING JURISDICTION OVER THE SITE.
- D. ALL TESTING REQUIRED BY AUTHORITIES SHALL BE CONSIDERED PART OF THIS WORK.
- E. DURING CONSTRUCTION, ALL FIXTURES, EQUIPMENT, PIPE, DUCT, ETC. SHALL BE COVERED, PLUGGED, OR CAPPED AS REQUIRED TO KEEP CLEAN AND UNDAMAGED. ALL DAMAGED ITEMS SHALL BE RESTORED TO ORIGINAL CONDITION OR REPLACED. ALL PROTECTIVE COVERING SHALL BE REMOVED BEFORE FINAL ACCEPTANCE.
- F. PROVIDE ALL NECESSARY CUTTING AND PATCHING OF WALLS, FLOORS, CEILINGS, AND ROOFS AS NECESSARY. PATCH AROUND ALL OPENINGS SHALL MATCH ADJACENT AREA. COORDINATE ALL ROOFING WORK WITH OWNER OR RESPONSIBLE PARTY, SO THAT THE EXISTING ROOFING WARRANTY WILL BE MAINTAINED.
- G. CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS AGAINST DEFECT FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE.
- H. INSPECTION OF THE SITE: THIS CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE MEP DRAWINGS, SPECIFICATIONS, DETAIL, AND THE SITE. THIS CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY SPECIAL OR UNUSUAL PROBLEMS, CONFLICTS, OR OBSTRUCTIONS THAT AFFECT HIS BID.
- I. FOR THE PURPOSES OF CLARITY AND LEGIBILITY, THE MECHANICAL AND PLUMBING DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS AND FITTINGS REQUIRED FOR INSTALLATION. DO NOT SCALE DRAWINGS. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DATA AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE MECHANICAL WORK INTERFACES WITH OTHER TRADES.
- J. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS OR WITH CODE REQUIREMENTS, THE NOTE OR CODE WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR HIGHER STANDARD SHALL PREVAIL.
- K. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH UNIFORM APPEARANCE FOR EXPOSED WORK. COORDINATE WITH WORK OF OTHER SECTIONS. COMPLY WITH APPLICABLE REGULATIONS AND CODE REQUIREMENTS. PROVIDE PROPER CLEARANCES FOR SERVING.
- L. INCLUDE ALL BASIC MATERIALS AND CONSTRUCTION METHODS INCLUDING PIPES, PIPE FITTINGS, AND SPECIES AND SIZES OF SUPPORTING DEVICES, VALVES, PIPE AND VALVE IDENTIFICATION, PUMPS, VIBRATION ISOLATION, ETC.
- M. FURNISH ADEQUATE ACCESS PANELS AND DOORS TO ALLOW FOR FUTURE PIPING ALTERATIONS, REPLACEMENT, AND MAINTENANCE OF PIPING. PROPERLY IDENTIFY ALL ACCESS PANELS AND DOORS.

2. OPERATION AND MAINTENANCE MANUALS:

- A. DURING THE COURSE OF CONSTRUCTION, COLLECT AND COMPILE OPERATING INSTRUCTIONS, WIRING DIAGRAMS, CATALOG CUTS, LUBRICATION AND PREVENTIVE MAINTENANCE INSTRUCTIONS, PARTS LISTS, ETC. FOR ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT.
- B. ALL LITERATURE AND INSTRUCTIONS SHIPPED WITH THE EQUIPMENT SHALL BE SAVED FOR INCLUSION IN THE OPERATING AND MAINTENANCE MANUALS AND PROVIDED TO THE BUILDING OWNER.

3. MANUFACTURERS:

- A. THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE ELECTRICAL REQUIREMENTS OF THE EQUIPMENT BEING FURNISHED. ANY CHANGES TO THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT OTHER THAN THE SPECIFIED EQUIPMENT BEING FURNISHED SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

4. PLUMBING:

- A. PROVIDE AN APPROVED WATER HAMMER ARRESTOR FOR EACH PLUMBING FIXTURE SUPPLY AS REQUIRED BY FIXTURE MANUFACTURER.
- B. ALL EXPOSED PIPE IN FINISHED AREAS SHALL BE CHROME PLATED BRASS PIPE, NO FERROUS PIPE.
- C. PROVIDE CLEANOUTS AT EACH CHANGE IN DIRECTION AND AT 100 FOOT INTERVALS IN STRAIGHT RUNS.
- D. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES AND TRAPS.
- E. CLEANOUTS:

1. VINYL TILE FLOOR (FCO):JR SMITH #4140, OR EQUAL.
2. QUARRY TILE FLOOR (FCO):JR SMITH #4200, OR EQUAL.
3. CARPETED FLOOR (FCO):JR SMITH #4020-Y, OR EQUAL.
4. UNFINISHED FLOOR (FCO):JR SMITH #4020, OR EQUAL.
5. WALL (WCO):JR SMITH #4472, OR EQUAL, 24" ABOVE FLOOR.
6. GRADE (GCO):JR SMITH #4250, OR EQUAL, WITH HEAVY DUTY CAST IRON BODY AND COVER.
- F. ALL SEWER PIPING LOCATED INSIDE THE BUILDING SHALL BE INSTALLED WITH THE FOLLOWING SLOPES.
 1. INSTALL 2-1/2" AND SMALLER PIPE AT 1/4" PER FOOT FALL.
 2. INSTALL 3" AND LARGER PIPE AT 1/8" PER FOOT FALL.

5. PIPING

- A. DOMESTIC COLD AND HOT WATER.
1. TYPE L HARD DRAWN COPPER TUBING, ASTM B-88 WITH WELDED BRONZE SOLDERED FITTINGS.
2. BALL VALVE CRANE #932 OR EQUAL.
- B. SANITARY SEWER.
1. ABOVE SOIL: WASTE, DRAIN, VENT PIPE, AND FITTINGS ABOVE GROUND INSIDE OF THE BUILDING SHALL BE SERVICE WEIGHT 1/2" O.D.-SPIGOT OR NO-HUB CAST IRON PIPE. MATERIALS IN THE CEILING AND BELOW SLAB TO BE PLENUM-RATED.
2. SERVICE LINES SHALL BE INSTALLED IN GENERAL AS SHOWN ON THE DRAWINGS. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN SUCH A MANNER AS TO MAINTAIN PROPER CLEARANCES AND SUFFICIENT SLOPE TO ENSURE DRAINAGE.
- C. ALL PIPE HANGERS AND SUPPORTS SHALL BE STANDARD PRODUCTS OF GRINNELL, FEE AND MASON, OR ANVIL HANGER AND SHALL BE IN ACCORDANCE WITH MSS-34.
- D. PROVIDE CHROME PLATED SCUTCHEONS ON ALL PIPE ENTERING FINISHED AREAS.

6. INSULATION AND DUCT LINING:

- A. ALL INSULATIONS AND ACCESSORIES SHALL HAVE A FIRE HAZARD CLASSIFICATION WITH A FLAME SPREAD RATING OF NOT OVER 25, A FUEL CONTRIBUTION RATING OF NOT OVER 50, AND A SMOKE DEVELOPMENT RATING OF NOT OVER 50, IN ACCORDANCE WITH NFPA.
- B. PIPE INSULATION (ABOVE GRADE):
1. THE PIPE INSULATION SHALL HAVE A THERMAL CONDUCTIVITY OF 0.27 BTU PER IN/IN²-FT OR LESS.
 2. FIBERGLASS INSULATION WITH FACTORY APPLIED VAPOR BARRIER, ASJ JACKET, FACTORY APPLIED PRESSURE SEALING LONGITUDE LAP JOINT, NO STAPLES, ZESTON PREMOLED PVC FITTING COVERS. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 3. INSULATION SCHEDULE:
 - a. DOMESTIC COLD WATER: 1/2"
 - b. DOMESTIC HOT WATER: 1"
- C. DUCTWORK INSULATION:
1. DUCT LINING: 2 LB/CF, AIR STREAM SIDE COATED, INSTALL PER SMACNA STANDARDS. PROVIDE 1/2" THICK THROUGH THE FIRST 10 FEET OF DUCT.
 2. DUCT COVERING: SUPPLY AIR DUCT SHALL HAVE 2" THICK, 3/4 LB/CF, FIBERGLASS BLANKET WITH FACTORY APPLIED VAPOR BARRIER AND FACING. INSTALLATION IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. DUCT COVERING SHALL BE MINIMUM R-6.

7. TESTING, BALANCING AND CLEANING:

- A. ALL PIPING SHALL BE TESTED FOR LEAKS BEFORE BEING CONCEALED IN WALL CONSTRUCTION OR COVERED WITH INSULATION.
 - B. SEWER AND VENT PIPING SHALL BE HYDROSTATICALLY TESTED WITH NO LESS THAN 10 FEET OF HEAD FOR A PERIOD OF NOT LESS THAN 15 MINUTES, PER THE LOCAL PLUMBING CODE, WITH NO LEAKS.
 - C. DOMESTIC WATER PIPING SHALL BE HYDROSTATICALLY TESTED AT A PRESSURE OF NOT LESS THAN 1-1/2 TIMES THE OPERATING PRESSURE, BUT NOT LESS THAN 60 PSI, FOR A PERIOD OF NOT LESS THAN 2 HOURS, WITH NO LEAKS.
 - D. BEFORE DOMESTIC WATER PIPING IS PLACED IN SERVICE, ALL DOMESTIC WATER DISTRIBUTION SYSTEMS, INCLUDING THOSE FOR COLD WATER AND HOT WATER SYSTEMS, SHALL BE FLUSHED, STERILIZED AND CHLORINATED IN ACCORDANCE WITH THE HEALTH DEPARTMENT REGULATIONS. THE SYSTEMS SHALL BE THOROUGHLY FLUSHED OF ALL DIRT AND FOREIGN MATTER, THEN FILLED WITH WATER TREATED WITH 50 PPM OF CHLORINE. DURING THE FILLING PROCESS, VALVES AND FAUCETS SHALL BE OPENED SEVERAL TIMES TO ASSURE THOROUGH FILLING. THE ENTIRE SYSTEM TO BE TREATED WITH 50 PPM CHLORINE IN THE SYSTEM FOR 24 HOURS AFTER THE FILLING PROCESS. THE SYSTEM SHALL BE FLUSHED; IF THE RESIDUAL CHLORINE IS NOT LESS THAN 10 PPM, THE FLUSHING SHALL BE REPEATED. AFTER STERILIZATION SAMPLES OF WATER FROM THE SYSTEM SHALL BE APPROVED BY THE BOARD OF HEALTH.
 - E. DUCTWORK AND PIPING SHALL BE BALANCED BY QUALIFIED BALANCING PERSONNEL WHO HAVE PREVIOUS EXPERIENCE WITH BALANCING PROCEDURES AND ARE FAMILIAR WITH TESTING AND BALANCING PROCEDURES OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR NATIONAL ENVIRONMENTAL BALANCING INSTITUTE.
1. BALANCING SHALL INCLUDE THE BALANCING OF THE EQUIPMENT AND AIR DISTRIBUTION SYSTEMS TO PROVIDE DESIGN QUANTITIES INDICATED AND VERIFICATION PERFORMANCE OF ALL EQUIPMENT AND AUTOMATIC CONTROLS.

2. WITH IN 30 DAYS OF THE COMPLETION OF THE TESTING AND BALANCING WORK, SUBMIT THE TEST AND BALANCING REPORT BEARING THE SIGNATURE OF THE TEST AND BALANCE ENGINEER. THE REPORTS SHALL BE CERTIFIED PROOF THAT THE SYSTEMS HAVE BEEN TESTED, ADJUSTED, AND BALANCED IN ACCORDANCE WITH THE REFERENCED STANDARDS; ARE AN ACCURATE REPRESENTATION OF HOW THE SYSTEMS HAVE BEEN INSTALLED AND ARE OPERATING. REPORTS SHALL BE BOUND IN A VINYL BINDER AND THE BINDER LABELLED OR MAY BE AN ELECTRONIC PDF SUBMITTAL.

8. DUCTWORK:

- A. ALL DUCTWORK UNLESS OTHERWISE INDICATED SHALL BE FABRICATED FROM GALVANIZED STEEL SHEET COMPLYING WITH ASTM A 527, LOCKFORMING QUALITY, WITH G60 ZINC COATING IN ACCORDANCE WITH ASTM A 525, AND METAL PHOSPHATIZED FOR EXPOSED LOCATIONS.
- B. DUCTWORK METAL GAUGES, REINFORCING, ETC SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS," LATEST EDITION FOR A 2" WATER GAUGE STATIC PRESSURE.
- C. ALL FITTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS," LATEST EDITION.
- D. RECTANGULAR DUCT:
1. ELBOWS, UNLESS INDICATED OTHERWISE, SHALL BE CONSTRUCTED WITH CENTERLINE RADIUS OF NOT LESS THAN 1.5 DUCT WIDTH OR SQUARE ELBOWS WITH DOUBLE WALL STREAMLINE ELBOWS.
 2. TAKE-OFF FITTINGS: BRANCH DUCT TAKE-OFF FITTINGS FOR SUPPLY AND EXHAUST DIFFUSER/REGISTERS SHALL INCLUDE AN INTEGRAL MANUAL VOLUME DAMPER WITH LOCKING QUADRANT, DAMPER NOT REQUIRED ON RETURN AIR. FOR RECTANGULAR TO ROUND TAKE-OFFS, RETURN AIR "BUCKLEY" MODEL 3300 & 3300D OR EQUAL.
 3. RETURN AIR ACUSTIC ELBOWS AND SOUND BOOTS SHALL BE A SQUARE ELBOW WITH NO TURNING VANES.
 4. SLOPES FOR TRANSITIONS OR OTHER CHANGES IN DIMENSIONS SHALL BE A MINIMUM 1 TO 3.
- E. ROUND AND OVAL SPIRAL SEAM DUCT:
1. PROVIDE RADIAL TYPE FITTINGS FABRICATED OF MULTIPLE SECTIONS WITH MAXIMUM 15 DEGREE CHANGES OF DIRECTION. ALL FITTINGS SPECIFICALLY DETAILED OTHERWISE, USE 45 DEGREE LATERALS FOR BRANCH TAKEOFF CONNECTIONS, WHERE 90 DEGREE BRANCHES ARE INDICATED PROVIDE CONICAL TYPE TEES.
 2. SLOPES FOR TRANSITIONS OR OTHER CHANGES IN DIMENSIONS SHALL BE MINIMUM 1 TO 3.
 3. ROUND LONGITUDINAL SEAM DUCT: USE FOR RIGID METAL DUCT ON LEAVING SIDE OF IN CONCEALED LOCATIONS FOR DUCTWORK TO FLEX FOR DIFFUSERS.
- F. SEAL ALL CONCEALED DUCTWORK JOINTS WITH NON-HARDENING AIR-EXCURTING MASTIC SEALANT, AS RECOMMENDED FOR SEALING SEAMS AND JOINTS IN DUCTWORK, OIL BASED CAULKING AND GLAZING COMPOUNDS SHALL NOT BE ACCEPTABLE. DUCTS SHALL BE SEALED TO THE CLASS LEVEL LISTED BELOW:
- | | | | |
|----------------------------------|---------------------|---------|---------|
| (1) UNCONDITIONED SPACES: | CLASS B | CLASS C | CLASS B |
| (2) CONDITIONED SPACES (PLENUM): | CLASS C | CLASS B | CLASS C |
| | SUPPLY 2"WC OR LESS | EXHAUST | RETURN |

- G. DUCT SIZES SHOWN ON THE DRAWINGS ARE SHEET METAL SIZES. INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
- H. WHETHER SHOWN ON PLANS OR NOT, PROVIDE MANUAL VOLUME DAMPERS IN EACH RUNOUT TO EACH SUPPLY DIFFUSER OR REGISTER. PROVIDE ACCESS PANELS TO DAMPERS LOCATED ABOVE HARD CEILING.
- I. PROVIDE AUXILIARY STEEL AS REQUIRED TO ADEQUATELY SUPPORT DUCTWORK.
- J. WHERE DUCTS PASS THROUGH FIRE-RATED FLOORS, WALLS, OR PARTITIONS, PROVIDE FIRESTOPPING BETWEEN DUCT AND WALL.
- K. WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS OR EXTERIOR WALLS, AND ARE EXPOSED TO VIEW, CONCEAL SPACE BETWEEN OPENING AND DUCT OR DUCT INSULATION WITH SHEET METAL FLANGES OF SAME GAUGE AS DUCT. OVERLAP OPENING ON 4 SIDES BY AT LEAST 1-1/2". FASTEN TO DUCT AND WALL.

9. FLEXIBLE DUCT:

- A. ATCO #086 (R-6), OR EQUAL.
B. FACTORY APPLIED INSULATION AND VAPOR BARRIER, 1-1/2" THICK.
C. MAXIMUM LENGTH OF 6'-0".

10. CONTROL WIRING:

- A. ELECTRICAL WIRING AND WIRING CONNECTIONS REQUIRED FOR THE INSTALLATION OF THE TEMPERATURE CONTROL SYSTEM SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR, UNLESS SPECIFICALLY SHOWN OTHERWISE ON THE DRAWINGS OR SPECIFICATIONS.
- B. INSTALL CONTROL WIRING WITHOUT SPLICES BETWEEN TERMINAL POINTS, COLOR CODED, INSTALL IN NEAT WORKMANLIKE MANNER, SECURELY FASTENED, INSTALL IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND THE ELECTRICAL SPECIFICATIONS.
- C. INSTALL CIRCUITS OVER 25 VOLT WITH COLOR CODED NUMBER 12 WIRE.
- D. INSTALL CIRCUITS UNDER 25 VOLT WITH COLOR CODED NUMBER 18 WIRE, WITH 0.031" HIGH TEMPERATURE 105 DEGREES F PLASTIC INSULATION ON EACH CONDUCTOR AND PLASTIC SHEATH OVER ALL.
- E. ALL WIRING IN AREAS USED AS AIR RETURN PLENUM SHALL BE IN ELECTRIC CONDUIT EXCEPT THAT LOW VOLTAGE WIRING MAY BE TEFLON COATED, ALUMINUM SHEATHED CABLE OR OTHER WIRE SPECIFICALLY APPROVED FOR INSTALLATION IN AIR PLENUMS.

11. VARIABLE AIR VOLUME TERMINALS:

- A. FURNISH AND INSTALL SINGLE DUCT, VARIABLE AIR VOLUME TERMINALS OF THE SIZES AND CAPACITIES SHOWN ON THE PLANS.
- B. TERMINALS SHALL BE CERTIFIED UNDER THE ARI STANDARD 880 CERTIFICATION PROGRAM AND CARRY THE ARI SEAL.
- C. THE TERMINAL CASING SHALL BE MINIMUM 22 GAUGE GALVANIZED STEEL, INTERNALLY LINED WITH 1" DUAL DENSITY INSULATION WHICH COMPLIES WITH UL 181 AND NFPA 90A. ALL EXPOSED INSULATION EDGES SHALL BE COATED WITH NFPA 90A APPROVED SEALANT TO PREVENT ENTRAPMENT OF FIBERS IN THE AIRSTREAM. THE DISCHARGE CONNECTION SHALL BE SLIP AND DRIVE CONSTRUCTION FOR ATTACHMENT TO MCH DUCTWORK. THE CASING SHALL BE CONSTRUCTED TO HOLD LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE CASING LEAKAGE TABLE.
- D. THE DAMPER SHALL BE HEAVY GAUGE STEEL WITH SHAFT ROTATING IN SELF-LUBRICATING BEARINGS. NYLON BEARINGS ARE NOT ACCEPTABLE. SHAFT SHALL BE CLEARLY MARKED ON THE END TO INDICATE DAMPER POSITION. STICKERS OR OTHER REMOVABLE MARKINGS ARE NOT ACCEPTABLE. THE DAMPER SHAFT SHALL BE PROTECTED FROM OVERHEATING BY INSULATION TO PREVENT BURNING TO LIMIT CLOSER-OFF LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE DAMPER LEAKAGE TABLE.
- E. ACTUATORS SHALL BE CAPABLE OF SUPPLYING AT LEAST 35 INCH.-LBS. OF TORQUE TO THE DAMPER SHAFT AND SHALL BE MOUNTED EXTERNALLY FOR SERVICE ACCESS. TERMINALS WITH INTERNAL DAMPERS AND/OR INTERNAL LINKAGE CONNECTIONS MUST INCLUDE GASKETED ACCESS PANEL, REMOVABLE WITHOUT DISTURBING THE DUCTWORK. CASING WITH ACCESS PANEL SHALL BE CONSTRUCTED TO HOLD LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE CASING LEAKAGE TABLE.
- F. AT AN INLET VELOCITY NOT EXCEED 2000 FPM THE MINIMUM STATIC PRESSURE REQUIRED TO OPERATE ANY TERMINAL, SIZE SHALL NOT EXCEED 0.13-INCH W.G.
- G. HVAC CONTROLS SHALL BE PROVIDED FOR ALL COILS ASSOCIATED WITH CONNECTION OF NEW VAV TERMINAL UNITS TO THE EXISTING BUILDING AUTOMATION SYSTEM. THE BUILDING'S EMS WORK IS THROUGH JOHNSON CONTROLS.

12. FIRE PROTECTION SYSTEM:

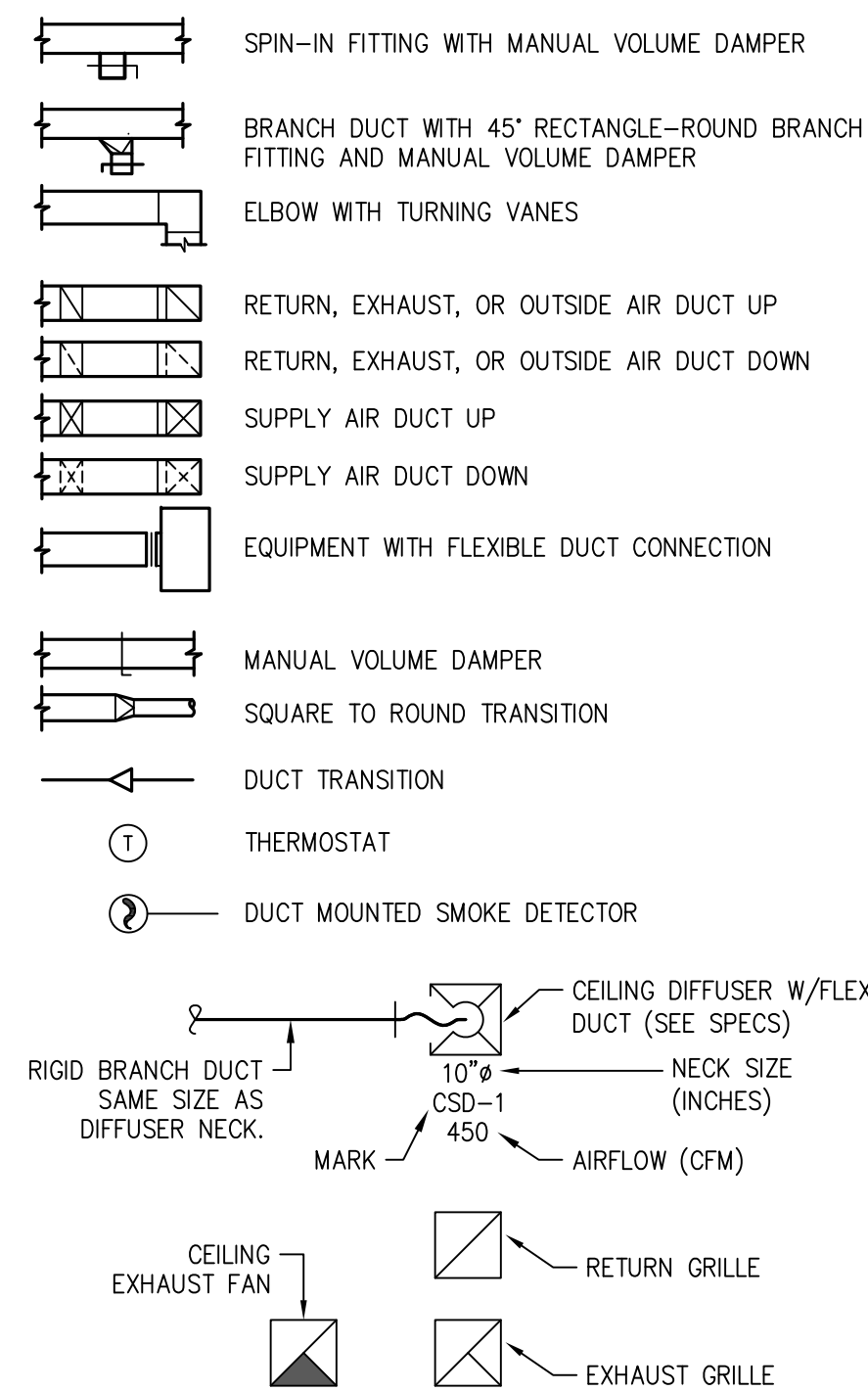
- A. THE EXISTING SPACE IS DETECTED WITH AN EXISTING Wet PIPE SPRINKLER SYSTEM. RELOCATE AND PROVIDE ADDITIONAL SPRINKLER HEADS AND PIPING AS REQUIRED FOR THE NEW CONSTRUCTION.
- B. SPRINKLER HEADS IN FINISHED CEILINGS SHALL BE SEMI-RECESSED CHROME PLATED PENDENT TYPE.
- C. SPRINKLER HEADS IN UNFINISHED ROOMS AND CEILINGS SHALL BE UPRIGHT BRASS TYPE HEADS.
- D. SPRINKLER WORK SHALL BE PERFORMED BY A SPRINKLER CONTRACTOR PRE-APPROVED BY THE LANDLORD.
- E. REFER TO THE ARCHITECTURAL DRAWINGS FOR NEW WALL CONSTRUCTION.
- F. SPRINKLER PIPING SHALL MATCH EXISTING.
- G. SPRINKLER SYSTEM (SHOP DRAWINGS) SHALL BE APPROVED BY THE LOCAL FIRE AUTHORITY AND LANDLORD'S INSURANCE CHARRIER PRIOR TO START OF WORK.

13. REMODELING WORK:




















- A. THE PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERRABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS.
- B. CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT EFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND INCLUDE IN THE BID ALL COSTS REQUIRED TO MAKE THE WORK MEET EXISTING CONDITIONS.
- C. PROTECT ADJACENT MATERIALS IDENTIFIED TO REMAIN. INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP DIRT, DUST, AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER REMODELING OPERATIONS ARE COMPLETE.

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ETC, ARE
NECESSARILY USED ON THE DRAWINGS.

HVAC EQUIPMENT & DUCTWORK








PLUMBING

SYMBOL	DESCRIPTION
	SANITARY SEWER (ABOVE GRADE)
	SANITARY SEWER (BELOW GRADE)
	CONDENSATE DRAIN
	VENT PIPING
	G = GAS PIPING LESS THAN 2 PSI
	MPG = GAS PIPING 2 PSI
	COLD WATER PIPING
	HOT WATER PIPING
	RECIRCULATING HOT WATER
	COMPRESSED AIR
	PIPE ELBOW DOWN
	PIPE ELBOW UP
	GATE VALVE
	BALL VALVE
	PLUG VALVE
	FLOOR CLEANOUT (FCO)
	WALL CLEANOUT (WCO)
	FLOOR DRAIN
	FLOOR SINK

ABBREVIATIONS

AFS	ABOVE FINISHED FLOOR	MC	MECHANICAL CONTRACTOR
BFB	BUILDING AUTOMATION SYSTEM	MIN	MINIMUM
BD	BACKDRAFT	NC	NOTES CRITERIA
CFM	CUBIC FEET PER MINUTE	OA	OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROL	RA	RETURN AIR
DX	DIRECT EXPANSION	SA	SUPPLY AIR
EA	EXHAUST AIR	SD	SMOKE DETECTOR
FFA	FLOOR ABOVE	TD	TO FLOOR ABOVE
FB	FLOOR BELOW	TFB	TO FLOOR BELOW
GPM	GALLONS PER MINUTE	TYPE	TYPICAL
IN WC	INCHES OF WATER COLUMN	UNO	UNLESS NOTED OTHERWISE
MAX	MAXIMUM	W/	WITH
MBH	1000 BTU PER HOUR	W/O	WITHOUT

ANNOTATION

- | | |
|---|--|
|  | PLAN WORK NOTE |
|  | MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE) |
|  | PLUMBING FIXTURE DESIGNATION |
|  | CONNECTION POINT OF NEW WORK TO EXISTING |
|  | DETAIL REFERENCE UPPER NUMBER INDICATED DETAIL NUMBER
LOWER NUMBER INDICATES SHEET NUMBER |

SINGLE DUCT VAV TERMINAL UNIT SCHEDULE																
TAG	AREA SERVED	MANUFACTURER	MODEL	DUCT SIZE		CFM			ELECTRIC HEAT COIL			SINGLE POINT ELECTRICAL			NOTES	
				INLET	OUTLET	DESIGN	MAX	MIN	kW	EAT (°F)	LAT (°F)	STEPS	V/PH	MCA		MOC/P
VAV-1	WAITING/EXAM	JCI	TSS-8-20H	8	11x9	500	1000	105	4.0	55.0	80.2	TWO	277/1	14.4	20	A-D
VAV-2(E)	INFUSION	PRICE	FDV-5-2010	8	14x12	850	-	-	7.5	55.0	82.8	TWO	480/3	12.7	15	E
NOTES:																
A. PROVIDE WITH NON-FUSED DISCONNECT SWITCH AND SINGLE POINT POWER CONNECTION.																
B. PROVIDE FILTER RACK AND FILTER.																
C. PROVIDE DISCHARGE AIR TEMPERATURE SENSOR, FACTORY MOUNTED AND COMMISSIONED CONTROLS AND SPACE TEMPERATURE SENSOR WITH OCCUPANT OVERRIDE.																
D. CONNECT TO EXISTING JCI DDC CONTROL INTERFACE.																
E. EXISTING TO REMAIN.																

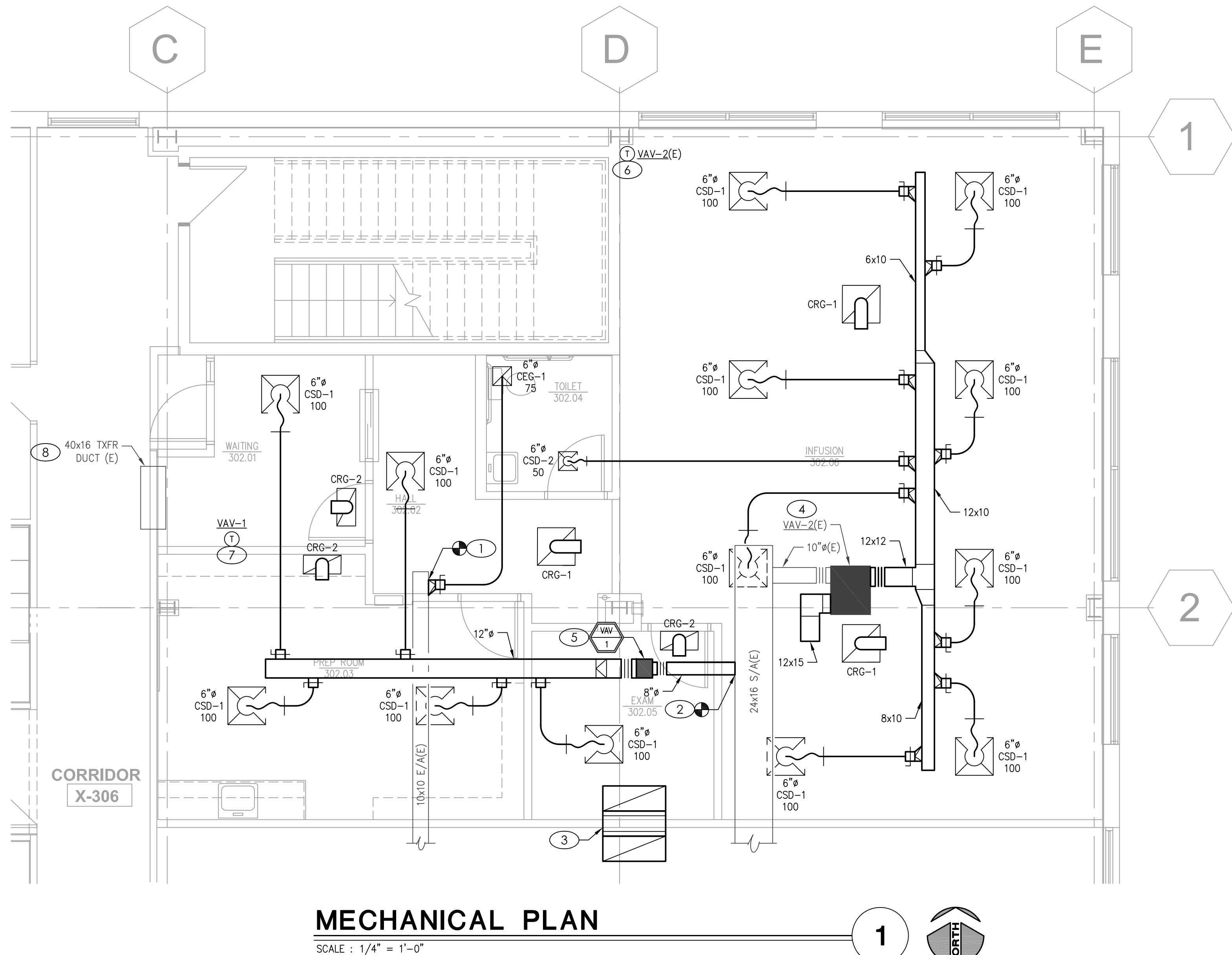
DIFFUSER, REGISTER AND GRILLE SCHEDULE							
MARK	MANUFACTURER	MODEL	FACE TYPE	MOUNTING TYPE	FACE SIZE (IN.)	MAX NC	NOTES
SUPPLY							
CSD-1	TITUS	OMNI	PLAQUE FACE	LAY-IN	24x24	25	A-C
CSD-2	TITUS	OMNI	PLAQUE FACE	SURFACE MOUNT	12x12	25	A-C
RETURN							
CRG-1	TITUS	PAR	PERFORATED	LAY-IN	24x24	25	A-E
CRG-2	TITUS	PAR	PERFORATED	LAY-IN	12x24	25	A-E
EXHAUST							
CEG-1	TITUS	PAR	PERFORATED	SURFACE MOUNT	12x12	25	A-D
NOTES:							
A.	NECK SIZE SHOWN ON DRAWINGS.						
B.	BAKED ENAMEL FINISH, WHITE						
C.	FRAME TYPE TO MATCH CEILING CONSTRUCTION, COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.						
D.	PAINT THE INSIDE OF CANS FLAT BLACK.						
E.	PROVIDE TITUS FLEXABOOT.						

GENERAL NOTES

- A. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- B. COORDINATE INSTALLATION OF MECHANICAL AND PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION AND AVOID CONFLICTS. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. VERIFY DUCT SPACE AVAILABLE ABOVE ALL CEILINGS PRIOR TO ANY FABRICATION OF INSTALLATION.
- C. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AROUND EQUIPMENT.
- D. BRANCH DUCTWORK SHALL BE THE SAME SIZE AS NECK SIZE SHOWN UNLESS OTHERWISE NOTED.
- E. REFER TO SPECIFICATIONS FOR DUCTWORK AND PIPING INSTALLATION REQUIREMENTS. DUCT SIZES ON MECHANICAL PLANS ARE INDICATED CLEAR INSIDE ABOVE DIMENSIONS. INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
- F. THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED HVAC EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE ELECTRICAL REQUIREMENTS OF THE HVAC EQUIPMENT WITH THE ELECTRICAL REQUIREMENTS OF THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT OTHER THAN THE SPECIFIED EQUIPMENT BEING FURNISHED SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

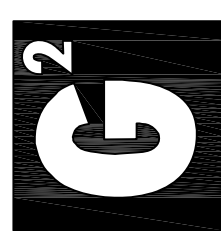
KEYED PLAN NOTES

1. CONNECT NEW EXHAUST TAP TO EXISTING EXHAUST DUCTWORK WITH DAMPER. BALANCE TO CFM SHOWN.
2. CONNECT NEW SUPPLY DUCT TO EXISTING SUPPLY DUCTWORK. CONTINUE WITH DUCTWORK AS SHOWN.
3. PROVIDE 40x16 TRANSFER DUCT ABOVE DROP CEILING. TURN UP ON BOTH SIDES OF THE WALL. LINE INSIDE OF DUCT WITH 1/2" ACOUSTIC LINER PER SPECIFICATIONS.
4. EXISTING FAN POWERED TERMINAL UNIT. PROVIDE NEW SUPPLY AND RETURN DUCTWORK AS SHOWN.
5. PROVIDE NEW VAV TERMINAL UNIT AS SCHEDULED. MECHANICAL CONTRACTOR SHALL INCLUDE ALL COSTS AND COORDINATION EFFORTS TO CONNECT NEW VAV BOX TO EXISTING BUILDING AUTOMATION SYSTEM.
6. RELOCATE EXISTING THERMOSTAT. MOUNT AT 54" AFF. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
7. LOCATE THERMOSTAT ON WALL AT 54" AAF. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
8. EXISTING TRANSFER DUCT TO REMAIN.

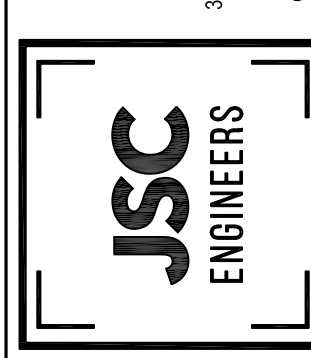




**GUY GRONBERG
ARCHITECTS, P.C.**
113 SE 3rd St.
Lee's Summit, MO 64063
Phone 816.524.0878
Fax 816.524.8578



MO COA NO. 2012006786
KS COA NO. E-2818
1901 NW BLUE PARKWAY,
UNITY VILLAGE, MO 64065
rd FLOOR UNITY VILLAGE TOWER
phone: (816) 272-5289
email: jsmothers@iscengineers.com



Lee's Summit Medical Center, MOB
INFUSION CENTER
1980 SE Blue Parkway, Lee's Summit, MO 64063

This drawing has been provided as an instrument of service by the architect, or under his supervision and is intended for use on this project only. Pursuant to the Architectural Works Copyright Protection Act of 1990, the architect hereby reserves all rights in this drawing, including the right to reproduce and to prepare derivative works, and to disseminate information contained herein, without prior written consent of the Architect is strictly prohibited.

REV#	DATE	DESCRIPTION
DATE: 01-07-2022		
PROJECT# 22-007		

P1

FIXTURE BRANCH CONNECTION SCHEDULE				
FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
FLOOR DRAIN	-	-	3"	1-1/2"
ICE MAKER BOX	1/2"	-	-	-
LAVATORY/SINK	1/2"	1/2"	1-1/2"	1-1/2"
WATER CLOSET (FLUSH TANK)	1/2"	-	4"	2"
WATER HEATER	3/4"	3/4"	-	-
NOTE:	PIPE SIZES SHOWN ARE MINIMUM. MINIMUM SANITARY SIZE UNDERGROUND IS 2".			

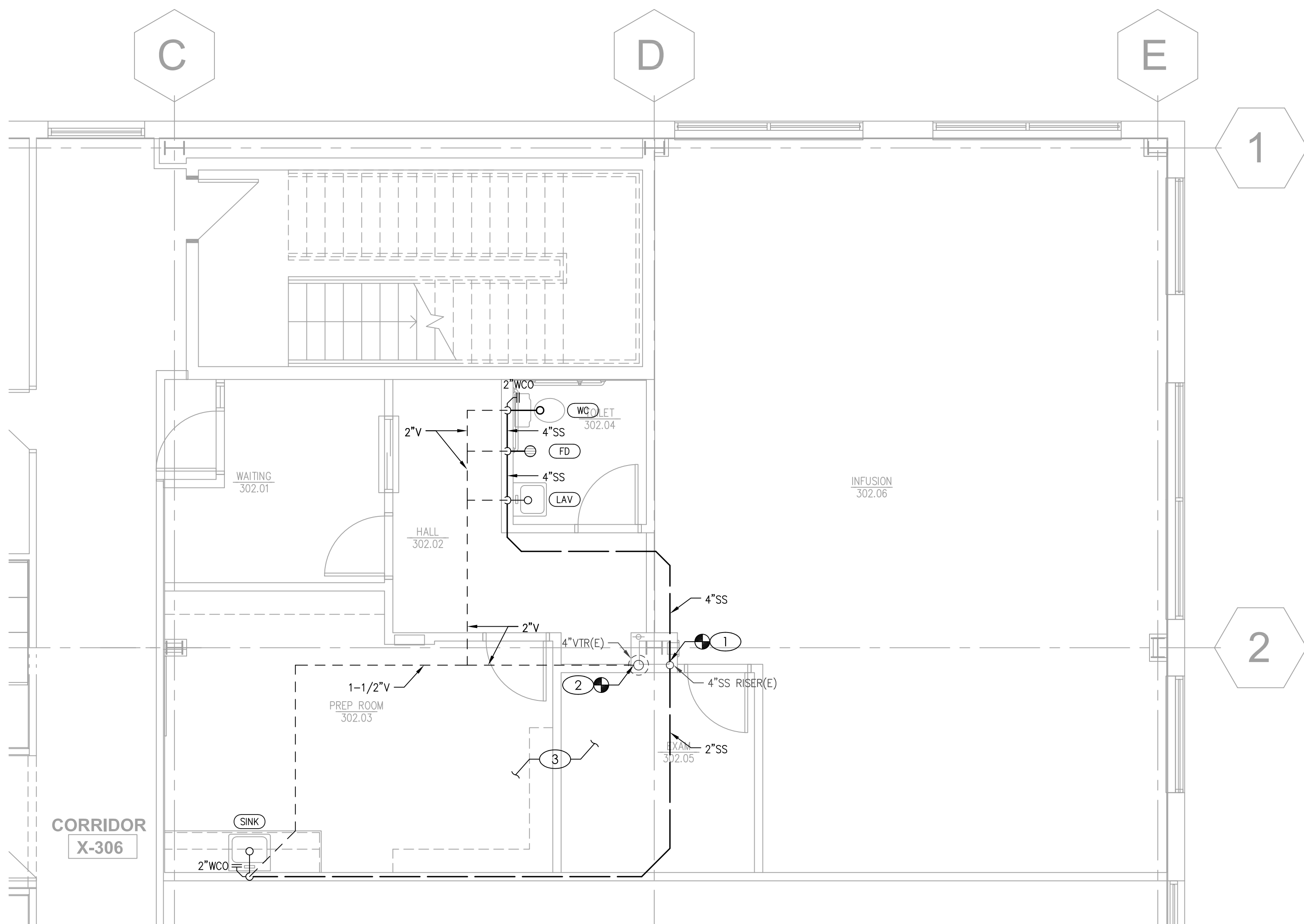
PLUMBING FIXTURE SCHEDULE	
BASIS OF DESIGN: CONFIRM ALL SELECTIONS WITH OWNER AND ARCHITECT PRIOR TO PURCHASE. COORDINATE WITH OWNER PROVIDED CASEWORK OPENINGS PRIOR TO PURCHASE.	
FD	FLOOR DRAIN: SIOUX CHIEF 832-3PNR, FLOOR DRAIN, PVC BODY AND CLAMPING COLLAR, ADJUSTABLE 5-1/2" ROUND NICKEL BRONZE STRAINER. PROVIDE WITH TRAP PRIMER CONNECTION.
LAV	WALL-MOUNT LAVATORY: AMERICAN STANDARD 9024.004EC.020, THREE HOLE, 20"x18.25" RECTANGULAR BOWL, MOUNT AT ADA HEIGHT, VITREOUS CHINA, WITH SINGLE HANDLE FAUCET (AMERICAN STANDARD 7075.004.002). PROVIDE FLEXIBLE SS RISERS WITH CHROME PLATED STOP VALVES, P-TRAP WITH CLEANOUT AND ESCUTCHEONS. INSULATE WITH "HANDI-LAV-GUARD" MODEL 102, OR EQUAL.
SINK	DROP-IN SINK: ELKAY BPSFRQ1215, 12.5"x15", RECTANGULAR BASIN, STAINLESS STEEL. FAUCET (DELTA 26C3944), SWIVEL GOOSENECK SPOUT, 0.5 GPM NON-AERATING DRAIN RESISTANT SPRAY OULET, 6" WRIST HANDLES. PROVIDE FLEXIBLE SS RISERS WITH CHROME PLATED STOP VALVES, P-TRAP WITH CLEANOUT AND ESCUTCHEONS.
IMB	ICE MAKER OUTLET BOX: WATER TITE AB8702 OUTLET BOX WITH QUARTER TURN VALVES, 1/2" CW CONNECTION AND WATER HAMMER ARRESTOR.
WC	FLOOR-MOUNTED ADA WATER CLOSET: KOHLER K-3519-TR, HANDICAP ACCESSIBLE, VITREOUS CHINA, 1.0 GPF, ELONGATED BOWL, FLOOR MOUNTED W/ 17.125" SEAT HEIGHT, WHITE, VITREOUS CHINA TANK AND COVER CONTAINING FLUSH VALVE, WHITE OPEN-FRONT SEAT, CHROME STOPS, C.P. FLEXIBLE RISER TUBE, BOLT CAPS, AND ESCUTCHEON.
WH	ELECTRIC WATER HEATER: BRADFORD WHITE L1E1103-1, 10 GALLON, 3/4" CONNECTIONS, 7 GPH @ 90°F RISE, 120V/1PH, SINGLE 1500W ELEMENT.

GENERAL NOTES

- A. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- B. COORDINATE INSTALLATION OF MECHANICAL AND PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION AND AVOID CONFLICTS. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. VERIFY DUCT SPACE AVAILABLE ABOVE ALL CEILINGS PRIOR TO ANY FABRICATION OF INSTALLATION.
- C. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AROUND EQUIPMENT.
- D. OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF.
- E. ALL ROOF AND WALL PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL REQUIRED SLEEVES, FLASHINGS, CURBS, REINFORCED ANGLES, SUPPORTING FRAMES, ETC. UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
- F. PROVIDE THE GC WITH A COPY OF THE INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
- G. EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE VERIFIED PRIOR TO ANY INSTALLATION OR CONNECTIONS THEREOF. ALL CONNECTIONS TO EXISTING UTILITIES (E. WATER, SEWER & GAS) SHALL BE MADE WITH APPROVAL OF THE ADMINISTRATIVE AUTHORITY AND THE RESPECTIVE UTILITY COMPANY.
- H. REFER TO PLUMBING FIXTURE SCHEDULE FOR MINIMUM BRANCH WASTE AND VENT PIPE SIZING.

KEYED PLAN NOTES

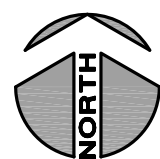
1. CONNECT NEW SANITARY SEWER TO EXISTING SANITARY RISER. VERIFY SIZE, LOCATION, AND INVERT ELEVATION PRIOR TO START OF WORK.
2. CONNECT 2" VENT PIPE TO EXISTING VENT STACK GOING TO EXISTING 4"VTR.
3. SANITARY PIPING TO BE ROUTED IN CEILING OF SPACE BELOW. COORDINATE REQUIRED SEQUENCE OF WORK WITH BUILDING OWNER PRIOR TO BID AND CONSTRUCTION.



WASTE & VENT PLAN

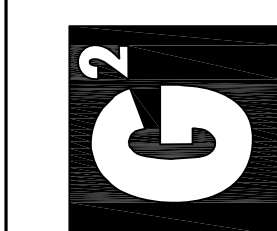
SCALE : 1/4" = 1'-0"

1

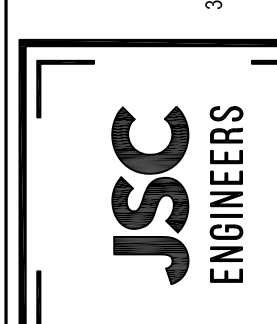




**GUY GRONBERG
ARCHITECTS, P.C.**
1113 SE 3rd St.
Lee's Summit, MO 64063
Phone 816.524.0878
Fax 816.524.8578



MO COA NO. 2012006786
KS COA NO. E-2818
1901 NW BLUE PARKWAY,
UNITY VILLAGE, MO 64065
1st FLOOR UNITY VILLAGE TOWER
phone: (816) 272-5289



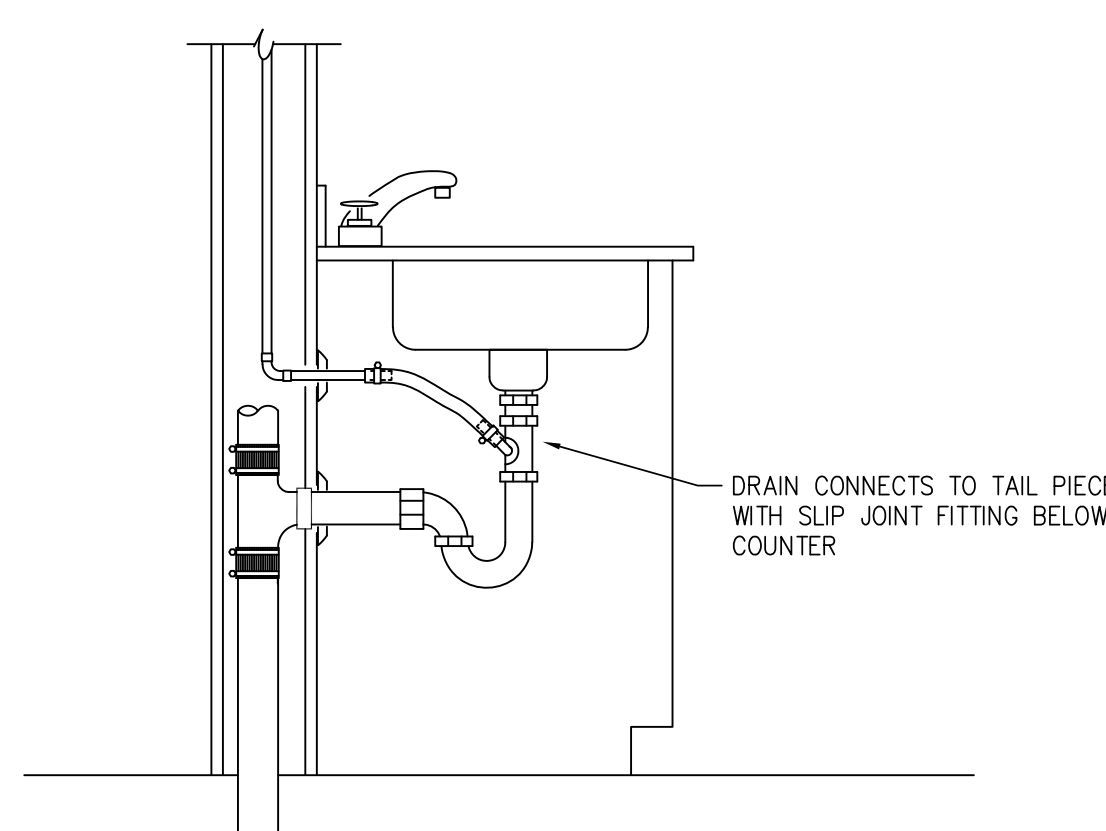
Lee's Summit Medical Center, MOB
INFUSION CENTER

This drawing has been provided as an instrument of service by the architect, or under his supervision and is intended for use on this project only. Pursuant to the Architectural Works Copyright Protection Act of 1990, all drawings, specifications, ideas and designs, including the overall form, arrangement and composition of spaces and elements appearing herein, constitute the original copyrighted work of the designer/architect. Any reproduction, use, or disclosure of information contained herein without prior written consent of the Architect is strictly prohibited.

[illegible]

DATE:	01-07-2022
PROJECT#	22-007

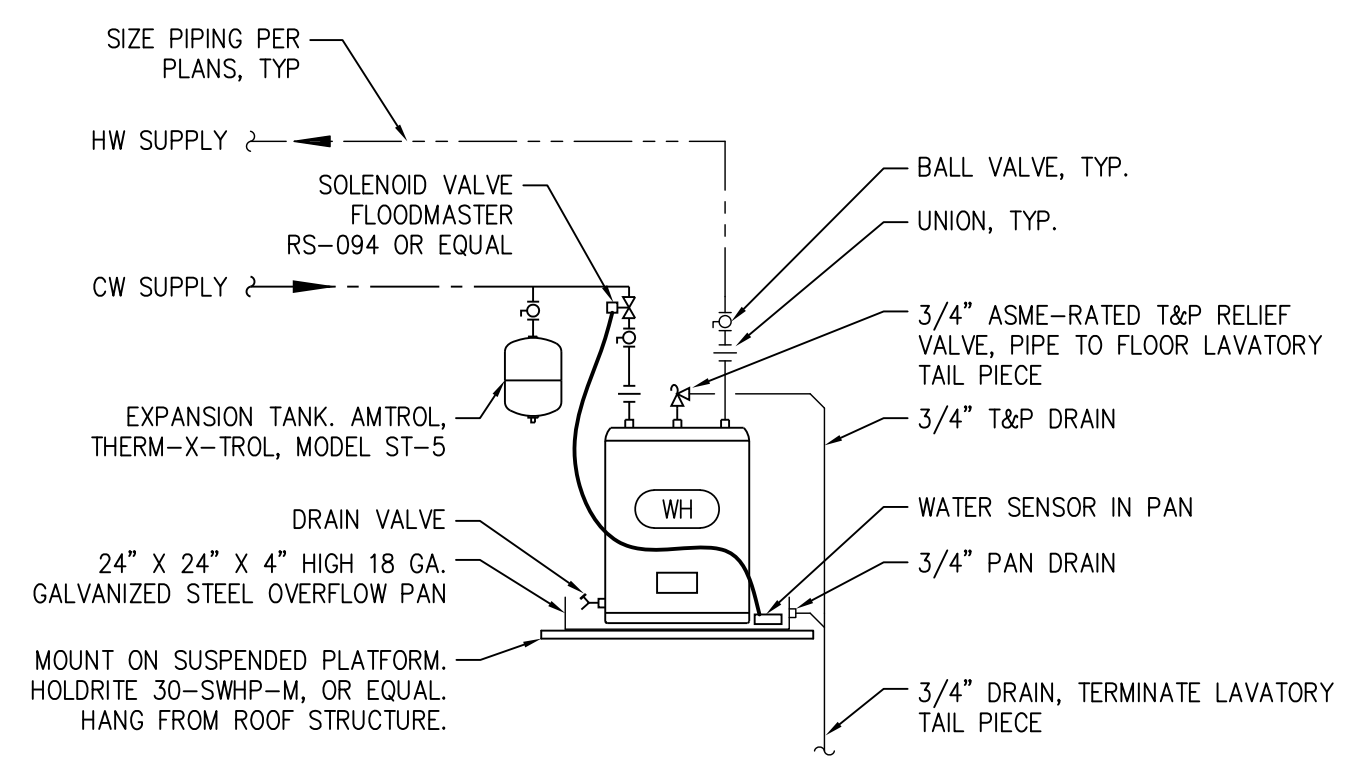
P2



DRAIN TO TAIL PIECE

SCALE : NO SCALE

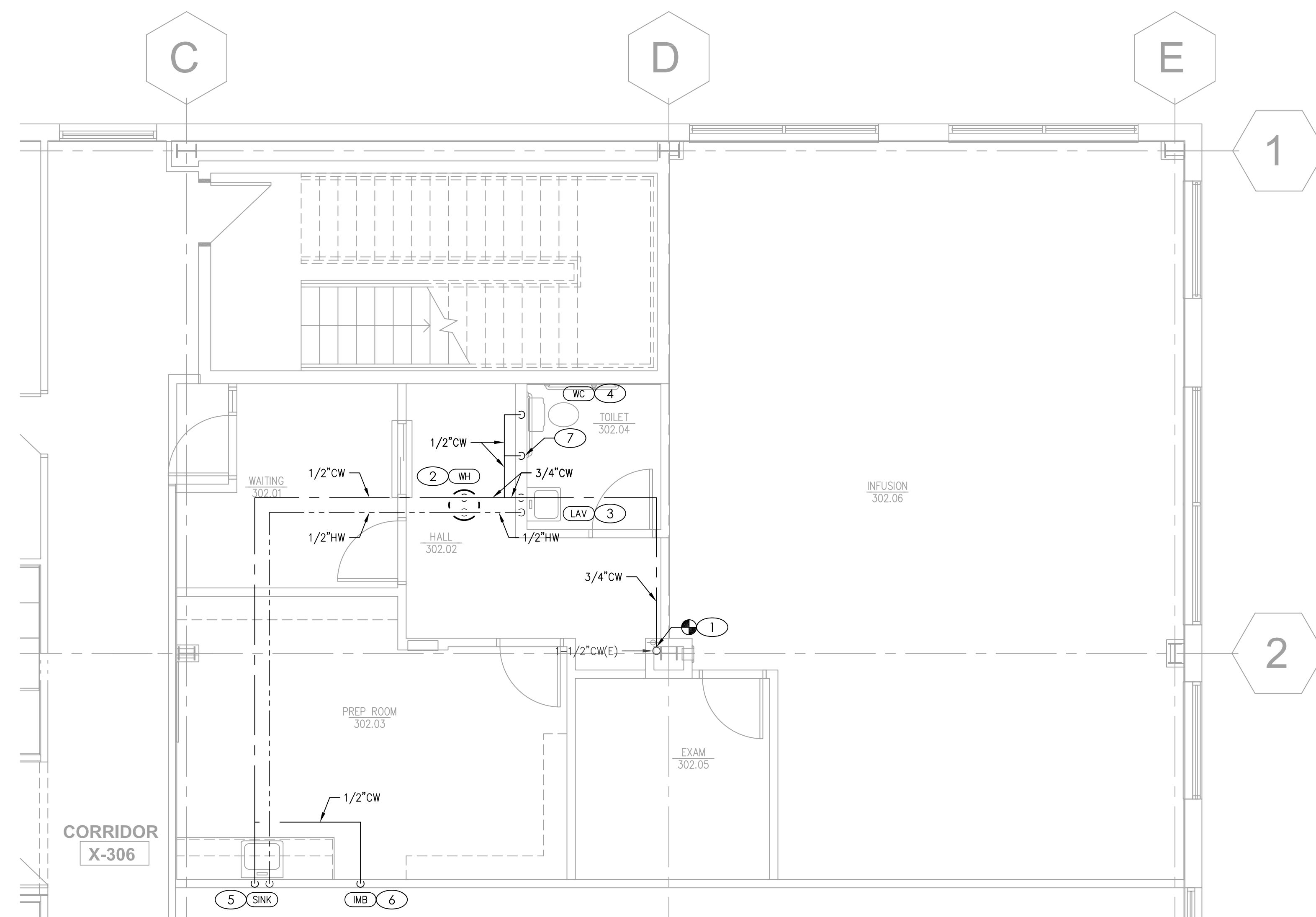
3



ELECTRIC WATER HEATER DETAIL

SCALE : NO SCALE

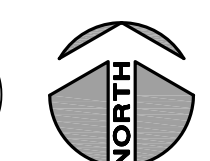
2



WATER PLAN

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

1



GENERAL NOTES

- A. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- B. COORDINATE INSTALLATION OF MECHANICAL AND PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION AND AVOID CONFLICTS. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. VERIFY DUCT SPACE AVAILABLE ABOVE ALL CEILINGS PRIOR TO ANY FABRICATION OF INSTALLATION.
- C. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AROUND EQUIPMENT.
- D. OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF.
- E. PROVIDE THE GC WITH A COPY OF THE INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
- F. EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE VERIFIED PRIOR TO ANY INSTALLATION OR CONNECTIONS THEREOF. ALL CONNECTIONS TO EXISTING UTILITIES (IE: WATER, SEWER & GAS) SHALL BE MADE WITH APPROVAL OF THE ADMINISTRATIVE AUTHORITY AND THE RESPECTIVE UTILITY COMPANY.
- G. REFER TO PLUMBING FIXTURE SCHEDULE FOR MINIMUM BRANCH WASTE AND VENT PIPE SIZING.

KEYED PLAN NOTES

1. RELOCATE EXISTING WATER LINE INTO NEW CHASE AT COLUMN. CONNECT NEW 3/4" CW PIPING TO EXISTING 1-1/2" DOMESTIC WATER TAP IN TENANT SPACE.
2. MOUNT WATER HEATER ABOVE ACCESSIBLE CEILING. CONNECT 3/4" CW AND 3/4" HW TO WATER HEATER. PROVIDE 3/4" T&P RELIEF AND 3/4" CONTAINMENT PAN DRAINS FROM WATER HEATER TO LAVATORY TAIL PIECE IN RESTROOM. SEE WATER HEATER DETAIL ON THIS SHEET FOR ADDITIONAL REQUIRED COMPONENTS AND INSTALLATION INSTRUCTIONS.
3. PROVIDE 1/2" CW AND 1/2" HW DOWN IN WALL TO LAVATORY. PROVIDE THERMOSTATIC MIXING VALVE FOR FIXTURE EQUAL TO LEONARD MODEL 170. SET HW SUPPLY WATER TEMPERATURE TO 110°F.
4. 1/2" CW DOWN IN WALL TO WATER CLOSET.
5. 1/2" CW AND 1/2" HW DOWN IN WALL TO SINK.
6. 1/2" CW DOWN IN WALL TO ICE MAKER BOX.
7. 1/2" CW DOWN TO TRAP PRIMER THEN CONTINUED TO CONNECTION AT FLOOR DRAIN. WATTS LFTP300 TRAP PRIMER, OR EQUAL. PROVIDE ACCESS PANEL.

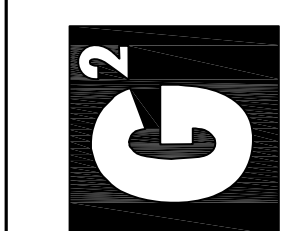
ELECTRICAL SPECIFICATIONS

PART I – GENERAL	
A. CONDITIONS <ol style="list-style-type: none"> FURNISH AND INSTALL A COMPLETELY WIRED AND OPERATIONAL ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN, INCLUDING BUT NOT LIMITED TO, THESE MAJOR ITEMS. <ol style="list-style-type: none"> LIGHTING FIXTURES AS INDICATED AND SPECIFIED ON THE PLANS. ELECTRICAL PANELS, SERVICE, CONDUIT, WIRING, ETC., FOR ALL OUTLETS AND EQUIPMENT. TELEPHONE, TELEVISION, AND FIRE ALARM. OUTLETS AND CONDUIT AS INDICATED. OBTAIN AND REVIEW ALL OTHER DRAWINGS INCLUDING REFLECTED CEILING PLAN, INTERIOR AND EXTERIOR ELEVATIONS, FURNITURE PLANS AND ALL MILL WORK DRAWINGS. COORDINATE INSTALLATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT PRIOR TO ROUGH-IN. OBTAIN SUBMITTAL AND SHOP DRAWINGS FROM OTHER TRADES AND EQUIPMENT TO COORDINATE INSTALLATION ACCORDINGLY. FIRE ALARM SYSTEM, IF REQUIRED PER IBC, SHALL BE DESIGN-BUILD BY OWNER'S/GC'S FIRE ALARM CONTRACTOR. DESIGN SHALL BE IN ACCORDANCE WITH NFPA 72. FIRE ALARM CONTRACTOR SHALL SUBMIT STANDARD DRAWINGS TO AHJ FOR REVIEW AND APPROVAL. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR TESTING AND VERIFYING THAT THE AUDIBILITY OF THE FIRE ALARM SYSTEM MEETS A MINIMUM OF 15 DBA ABOVE AMBIENT NOISE LEVELS. ADD HORNS WHERE REQUIRED TO MAINTAIN MINIMUM LEVELS. PROVIDE FIRE STOP ON ALL PIPING THAT PENETRATES RATED WALLS. METHOD OF FIRE STOP SHALL MEET WITH LISTING. PROVIDE TO ARCHITECTURAL DRAFTSMAN FOR LOCATION OF FIRE RATED WALLS. THIS CONTRACTOR SHALL PROVIDE FIRE RATED ENCLOSURES AROUND ALL ROUGH-IN BOXES, PANELS, ETC. THAT ARE LOCATED IN FIRE RATED WALLS AND SHALL FIRE CAULK ALL OPENINGS IN RATED ASSEMBLIES. 	<ol style="list-style-type: none"> THE CONTRACTOR SHALL SUBMIT SEVEN (7) IDENTICAL BOUND SETS OF SHOP DRAWINGS ON THE FOLLOWING ITEMS: <ol style="list-style-type: none"> LIGHTING FIXTURE CUTS AND PERFORMANCE DATA. OUTLINE DRAWINGS AND DATA SHEETS OF EACH PANELBOARD, LOAD CENTERS, AND DISTRIBUTION PANELS. OUTLINE DRAWINGS OF ALL SWITCH GEAR COMPONENTS. WIRING DEVICES AND COVERPLATES. ALL CIRCUIT BREAKERS INSTALLED IN PANELBOARDS, LOAD CENTERS, AND DISTRIBUTION PANELS. SUBMIT ITEMS AT ONE TIME IN A NEAT AND ORDERLY MANNER WITHIN 15 DAYS OF AWARD OF CONTRACT. PARTIAL SUBMITTALS WILL NOT BE ACCEPTABLE.
B. RELATED WORK BY OTHERS <ol style="list-style-type: none"> THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, TRENCH, AND BACKFILL FOR ELECTRICAL SERVICE ENTRANCE FROM THE MAIN SERVICE TO UTILITY POINT OF ELECTRICAL SERVICE. ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ELECTRICAL SERVICE ENTRANCE WITH SERVING UTILITY COMPANY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, TRENCH, AND BACKFILL FOR PRIMARY PHONE AND CATV SERVICE FROM THE TELEPHONE TERMINAL BOARD OR CABINET TO THE PHONE COMPANY AND CATV COMPANY POINT OF SERVICE COORDINATE WITH LOCAL UTILITY COMPANIES. 	C. SYSTEM GROUNDING <ol style="list-style-type: none"> GROUNDING SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 250. ALL EXPOSED NONCURRENT CARRYING METALLIC PARTS OF ELECTRICAL EQUIPMENT, METALLIC RACEWAY SYSTEMS, METALLIC CABLE ARMOR, GROUNDING CONDUCTOR OF NONMETALLIC SHEATHED CABLES, GROUNDING CONDUCTOR IN NONMETALLIC RACEWAYS, AND GROUNDING CONDUCTORS OF THE WIRING SYSTEM SHALL BE GROUNDING. GROUNDING CONDUCTOR (NEUTRAL) OF THE WIRING SYSTEM SHALL BE CONNECTED TO THE SYSTEM GROUNDING CONDUCTOR AT A SINGLE PLACE IN EACH SYSTEM BY REMOVABLE BONDING JUMPERS, SIZED ACCORDING TO THE APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE. THE GROUNDING CONDUCTOR (NEUTRAL) TO THE GROUNDING CONDUCTOR CONNECTION SHALL BE LOCATED IN THE ENCLOSURE FOR THE SYSTEM'S OVERCURRENT PROTECTION OR WHERE OTHERWISE INDICATED ON THE PLANS OR SPECIFICATIONS. A GROUND BUS SEPARATE FROM THE NEUTRAL BUS SHALL BE PROVIDED IN ALL DISTRIBUTION PANELS AND PANELBOARDS. PROPER TORK OR SE FEEDERS OR BRANCH CIRCUITS LARGER THAN 4 AWG, TYPE THHN/THWN INSULATION FOR FEEDERS AND BRANCH CIRCUITS 4 AWG AND SMALLER. ALL BRANCH CIRCUIT WIRING SHALL BE COPPER. GROUND BUSES AND NEUTRAL BUSES IN ALL DISTRIBUTION PANELS, LOAD CENTERS, PANELBOARDS, AND THOSE PROVIDED IN ANY EQUIPMENT SHALL BE ISOLATED EXCEPT WHERE REQUIRED TO BE CONNECTED AS SPECIFIED ABOVE FOR THE SERVICE ENTRANCE. WHEN INDICATED ON THE DRAWINGS, EQUIPMENT GROUNDING CONDUCTORS SHALL BE EXTENDED FROM THE GROUND BUS IN THE DISTRIBUTION EQUIPMENT TO THE RECEPTACLE, FIXTURE OR DEVICE LUGS WHERE THEY ARE PROVIDED. WHERE LUGS ARE NOT PROVIDED, EQUIPMENT GROUNDING CONDUCTORS SHALL BE CONNECTED TO EQUIPMENT ENCLOSURES. THE CONNECTIONS SHALL BE ARRANGED SUCH THAT REMOVAL OF THE RECEPTACLE, EQUIPMENT GROUND CONDUCTORS, OR GROUND JUMPERS FROM GROUND BUSING SHALL NOT AFFECT THE GROUND SYSTEM. RACEWAYS MAY NOT BE USED AS A GROUNDING CONDUCTOR FOR POWER AND LIGHTING CIRCUITS. ALL CONDUIT SHALL HAVE SEPARATE CODE SIZED GREEN GROUND WIRE INSTALLED IN THE CONDUIT TO INSURE A CONTINUOUS GROUNDING PATH. IN INACCESSIBLE LOCATIONS, MAKE CONNECTIONS BY EXOTHERMIC WELD PROCESS. IN INACCESSIBLE LOCATIONS, CONNECTIONS SHALL BE MADE WITH BOLTED THROUGH, APPROVED SOLDERLESS BRONZE GROUNDING DEVICES.
D. INSPECTION OF SITE <ol style="list-style-type: none"> PRIOR TO SUBMITTING A BID FOR ELECTRICAL WORK, THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED CONSTRUCTION AND SHALL THOROUGHLY ACQUAINT HIMSELF WITH EXISTING UTILITIES, AND WORKING CONDITIONS TO BE ENCOUNTERED, ETC. ALLOWANCE WILL NOT BE MADE FOR NONCOMPLIANCE WITH THIS CONDITION AFTER BIDDING. ELECTRICAL INSTALLATION SHALL MEET THE EXISTING CONDITIONS. 	E. STORAGE AND HANDLING OF MATERIAL <ol style="list-style-type: none"> DELIVER MATERIALS AND EQUIPMENT TO THE PROJECT IN THE MANUFACTURER'S ORIGINAL, UNOPENED, LABELED CONTAINERS. PROTECT AGAINST MOISTURE, TAMPERING, OR DAMAGE FROM IMPROPER HANDLING OR STORAGE. CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR ANY DAMAGE TO WORK OR MATERIALS UNTIL FINAL ACCEPTANCE BY THE OWNER, AND SHALL MAKE GOOD WITHOUT COST TO THE OWNER, ANY DAMAGE OR LOSS THAT MAY OCCUR DURING THIS PERIOD. ARRANGE FOR TIMELY DELIVERY OF MATERIALS AND EQUIPMENT TO THE JOB SITE IN ORDER TO MINIMIZE THE LENGTH OF TIME BETWEEN DELIVERY AND INSTALLATION. COVER AND PROTECT ANY MATERIAL WHICH MAY BE AFFECTED BY THE WEATHER WHILE IN TRANSIT OR STORED AT THE PROJECT SITE. ANY MATERIAL FOUND DEFECTIVE OR NOT INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS MAY BE REJECTED BY THE ENGINEER.
F. CLEANUP <ol style="list-style-type: none"> KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS, OR RUBBISH CAUSED BY EMPLOYEES OR WORK UNDER THIS DIVISION OF THE SPECIFICATIONS. AT THE COMPLETION OF THE WORK REMOVE ALL SURPLUS MATERIALS, TOOLS, ETC., AND LEAVE THE PREMISES BROOM-CLEAN. 	G. WIRING DEVICES <ol style="list-style-type: none"> WALL SWITCHES SHALL BE SPECIFICATION GRADE AC SILENT TYPE SWITCHES, 20A 120/277 VOLT. RECEPTACLES SHALL BE SPECIFICATION GRADE, DUPLEX TYPE, NEMA5-20R, 20 AMPERE, 120VOLT GROUNDED TYPE. SPECIAL APPLICATION RECEPTACLES SHALL BE INDICATED ON PLANS. MOUNT WITH THE GROUND DOWN. DEVICE PLATES SHALL BE EQUAL TO SIERRA SMOOTH-LINE PLASTIC WALL PLATES. COLOR SHALL BE WHITE, UNLESS OTHERWISE NOTED. RECEPTACLES IN OUTDOOR AND WET LOCATIONS SHALL BE INSTALLED WITH A HINGED OUTLET COVER/ENCLOSURE CLEARLY MARKED AND U.L. LISTED SUITABLE FOR WET LOCATIONS WHILE IN USE, EQUAL TO TAYMAC SPECIFICATION GRADE.
H. DRAWINGS <ol style="list-style-type: none"> THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATIONS OF THE ELECTRICAL WORK DATA PRESENTED ON THESE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD VERIFICATION OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC., TO SUIT FIELD CONDITIONS IS REQUIRED. REVIEW ALL ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DISCREPANCIES BETWEEN DIFFERENT PLANS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE THE DATE OF BID OPENING. IF DISCREPANCIES ARE NOT REPORTED, THE CONTRACTOR SHALL BID THE GREATER QUANTITY OR BETTER QUALITY, AND APPROPRIATE ADJUSTMENTS WILL BE MADE AFTER CONTRACT AWARD. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD MEASURE AND CONFIRM MOUNTING HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT WITH RESPECT TO COUNTERS, RADIATION, ETC. DO NOT SCALE DISTANCES FROM THE ELECTRICAL DRAWINGS, USE ACTUAL BUILDING DIMENSIONS. 	I. COOPERATION WITH OTHER CONTRACTORS <ol style="list-style-type: none"> COOPERATE WITH THE OTHER TRADES SO THAT THE INSTALLATION OF THE ELECTRICAL OUTLETS AND EQUIPMENT WILL BE PROPERLY COORDINATED. CONDUIT, LIGHTING FIXTURES, AND OTHER EQUIPMENT LOCATIONS SHALL BE VERIFIED WITH OTHER TRADES TO AVOID CONFLICT WITH THE PIPING, DUCTWORK, STEEL, BEAMS, OR OTHER OBSTRUCTIONS. CAREFULLY VERIFY THE LOCATIONS OF THE OUTLET BOXES AND DETERMINE THAT THEY HAVE NOT BEEN DISTURBED DURING THE INSTALLATION OF MATERIALS OF OTHER TRADES. COORDINATE THE LOCATION OF THE TRENCHES AND CONDUITS FOR ELECTRICAL AND TELEPHONE UTILITY SERVICES WITH THE GENERAL CONTRACTOR. COORDINATE HVAC AND PLUMBING EQUIPMENT CONNECTION REQUIREMENTS WITH HVAC AND PLUMBING CONTRACTORS.
J. RECORD DRAWINGS <ol style="list-style-type: none"> THE ELECTRICAL CONTRACTOR SHALL MAINTAIN A SET OF DRAWINGS AT THE JOB SITE FOR THE EXCLUSIVE PURPOSE OF MAINTAINING A RECORD OF ALL WORK INSTALLED AND TO SHOW ANY DEVIATIONS FROM THE WORK INDICATED ON THE DRAWINGS. AT THE COMPLETION OF THE PROJECT, ONE SET OF REPRODUCIBLE DRAWINGS, SHOWING ALL RECORD CONDITIONS, SHALL BE DELIVERED TO THE OWNER FOR ACCEPTANCE PRIOR TO FINAL PAYMENT. 	K. RECORD DRAWINGS <ol style="list-style-type: none"> THE ELECTRICAL CONTRACTOR SHALL MAINTAIN A SET OF DRAWINGS AT THE JOB SITE FOR THE EXCLUSIVE PURPOSE OF MAINTAINING A RECORD OF ALL WORK INSTALLED AND TO SHOW ANY DEVIATIONS FROM THE WORK INDICATED ON THE DRAWINGS. AT THE COMPLETION OF THE PROJECT, ONE SET OF REPRODUCIBLE DRAWINGS, SHOWING ALL RECORD CONDITIONS, SHALL BE DELIVERED TO THE OWNER FOR ACCEPTANCE PRIOR TO FINAL PAYMENT.
PART II – PRODUCTS AND EXECUTION	
A. MATERIALS <ol style="list-style-type: none"> ALL MATERIALS SHALL BE NEW AND OF QUALITY AS SPECIFIED ON THE PLANS OR SPECIFICATIONS AND MUST CARRY THE UNDERWRITER'S LABORATORIES APPROVAL COVERING THE PURPOSE FOR WHICH THEY ARE USED, IN ADDITION TO MEETING ALL REQUIREMENTS OF THE CURRENT APPLICABLE CODES AND REGULATIONS. 	L. LIGHTING FIXTURES <ol style="list-style-type: none"> PROVIDE ALL LIGHTING FIXTURES, WIRED AND CONNECTED. THE DRAWINGS INDICATE THE FIXTURES FOR EACH LOCATION. PROVIDE LAMPS FOR ALL FIXTURES. THE LAMPS SHALL BE BY THE SAME MANUFACTURER. VERIFY CEILING CONSTRUCTION BEFORE ORDERING RECESSED UNITS. PROVIDE PLASTER FRAMES AND HANGERS AS REQUIRED. CEILING CONSTRUCTION, ARCHITECTURAL ACCESSORIES, VOLTAGE, AND BALLASTS TO MEET THE EXISTING CEILING CONDITION.
B. SHOP DRAWINGS AND APPROVALS <ol style="list-style-type: none"> THE ITEMS SPECIFIED HEREIN AND ON DRAWINGS ARE USED AS A STANDARD OF QUALITY. ANY MATERIALS OF EQUAL QUALITY AND AESTHETIC VALUE WILL BE GIVEN CONSIDERATION AS A SUBSTITUTE FOR THE MATERIALS SPECIFIED. NO APPROVAL WILL BE GIVEN TO A SPECIFIC CATALOG NUMBER, MODEL, OR TYPE OF EQUIPMENT, PRIOR TO BIDDING. AFTER BIDDING, THE DECISION OF THE ARCHITECT AND/OR ENGINEER DETERMINING EQUAL MATERIALS WILL BE FINAL. 	M. LIGHTING CONTROL <ol style="list-style-type: none"> FURNISH AND INSTALL TIME SWITCHES, PHOTOCELLS, CONTRACTORS AND FULL LIGHTING CONTROL SYSTEMS AS REQUIRED FOR LIGHTING CONTROLS INDICATED ON THE DRAWINGS. TIME SWITCHES SHALL BE EQUAL TO PARAGON, GENERAL ELECTRIC, TORK, OR INTERMATIC AND SHALL HAVE SIZE AND NUMBER OF POLES AS REQUIRED. PHOTOCELLS SHALL BE EQUAL TO TORK OR INTERMATIC WITH VOLTAGE AS INDICATED.
	N. TELEPHONE AND CABLE TELEVISION SYSTEMS <ol style="list-style-type: none"> TELEPHONE WALL OUTLETS SHALL CONSIST OF STANDARD BOXES MOUNTED 18" ABOVE THE FLOOR UNLESS OTHERWISE INDICATED. PROVIDE A TERMINAL MOUNTING BOARD FOR THE INCOMING SERVICE CABLE. CABLE TELEVISION OUTLETS SHALL CONSIST OF STANDARD BOXES MOUNTED 18" ABOVE THE FLOOR UNLESS OTHERWISE INDICATED. PROVIDE A TERMINAL MOUNTING BOARD FOR THE INCOMING SERVICE CABLE.
	O. GUARANTEE <ol style="list-style-type: none"> GUARANTEE ALL MATERIAL FURNISHED AND ALL WORKMANSHIP PERFORMED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF WORK. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD, TRACEABLE TO MATERIAL FURNISHED AS A PART OF THIS SECTION OR WORKMANSHIP PERFORMED HEREUNDER, SHALL BE MADE GOOD AT NO EXPENSE TO THE OWNER.
	P. REMODELING WORK <ol style="list-style-type: none"> THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED FOR EX

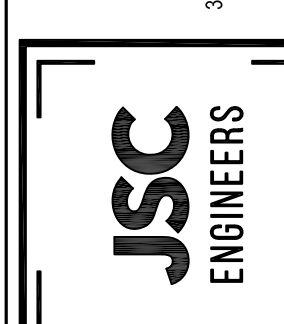
SYMBOLS LEGEND	
NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ETC., ARE NECESSARILY USED ON THE DRAWINGS.	
	LED FIXTURE (SEE SCHEDULE)
	
	FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
	TRACK LIGHT
	DOWNLIGHT FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
	WALL MOUNTED FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
	PENDANT MOUNTED FIXTURE WITH EMERGENCY BATTERY DRIVER UNIT
	DOWNLIGHT FIXTURE
	WALL MOUNTED FIXTURE
	PENDANT MOUNTED FIXTURE
	WALL WASHER
	SINGLE FACE EXIT SIGN – UNIVERSAL MOUNTED
	SINGLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS – UNIVERSAL MTD
	DOUBLE FACE EXIT SIGN W/ DIRECTIONAL ARROWS – UNIVERSAL MTD
	DUAL HEADED EMERGENCY UNIT
	COMBO DUAL HEADED EMERGENCY AND EXIT SIGN UNIT
	LETTER INDICATES LIGHT FIXTURE AS INDICATED ON FIXTURE SCHED
	S SINGLE POLE SWITCH @ +48" UNLESS NOTED
	S _{Sub} SWITCH BANK @ +48" UNLESS NOTED. LOWER CASE LETTER INDICATES FIXTURE CONTROLLED.
	S ₂ 2 POLE SWITCH @ +48" UNLESS NOTED
	S ₃ 3-WAY SWITCH @ +48" UNLESS NOTED
	S ₄ 4-WAY SWITCH @ +48" UNLESS NOTED
	S ₅ DIMMER SWITCH – SIZE AS REQUIRED @ +48" UNLESS NOTED
	S _{3D} 3-WAY DIMMER SWITCH – SIZE AS REQUIRED @ +48" UNLESS NOTED
	S _{3Way} 3-WAY DIMMER SWITCH BANK @ +48" UNLESS NOTED. LOWER CASE LETTER INDICATES FIXTURE CONTROLLED.
	S _S SWITCH SENSOR @ +48" UNLESS NOTED
	S _M MANUAL MOTOR STARTER
	CO OCCUPANCY SENSOR
	S _O WALL SWITCH WITH OCCUPANCY SENSOR. TWO BUTTON DIGITAL LOW VOLTAGE WALL SWITCH. SWITCH @ +48" UNLESS NOTED.
	S _D TWO BUTTON DIGITAL LOW VOLTAGE WALL SWITCH. PROVIDES ON/OFF/0–10V DIMMING. SWITCH @ +48" UNLESS NOTED. PROVIDE EXTRA CONTROL CABLES NEEDED TO FIXTURE CONTROLLED.
	LC LIGHTING CONTACTOR
	PP LIGHTING CONTROLS POWER PACK
	PC PHOTOCELL
	TC TIMECLOCK
	CA CAMERA
	S SPEAKER
	TELEPHONE OUTLET@ +18" UNLESS NOTED
	DATA OUTLET @ +18" UNLESS NOTED
	COMBINATION TELEPHONE/DATA OUTLET @ +18" UNLESS NOTED
	TELEVISION OUTLET @ +18" UNLESS NOTED
	SD SMOKE DETECTOR
	HD HEAT DETECTOR
	DD DUCT SMOKE DETECTOR
	RT REMOTE TEST STATION WITH INDICATING LIGHT. MOUNT AT 48" AFF UNO.
	ASTC AUXILIARY SYSTEM TERMINAL CABINET
	SB SWITCHBOARD, MOTOR CONTROL CENTER OR DISTRIBUTION BOARD
	120/240V, 1 PHASE, 3 WIRE PANELBOARD, UNO
	CR CARD READER. PROVIDE 2–GANG OUTLET BOX WITH SINGLE GANG RING AND 3/4" CONDUIT SUBBED UP IN WALL TO ABOVE ACCESSIBLE CEILING WITH BUSHING ON END OF CONDUIT @ 48" UNLESS NOTED OTHERWISE.
	G GENERATOR
	T TRANSFORMER
	MO MOTOR OUTLET
	DS DISCONNECT SWITCH – SIZE AND TYPE NOTED
	CS COMBINATION FUSED STARTER DISCONNECT SWITCH FUSE SIZE AS INDICATED, STARTER SIZE '1'
	ME MECHANICAL EQUIP. CONNECTION, SEE SCHED. ON MECH. PLAN
	J JUNCTION BOX
	CR CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING
	GR CONDUIT RUN BELOW FLOOR OR GRADE
	SH SPECIAL HEAVY DUTY RECEPTACLE – SIZE AS NOTED, @ +18" UNLESS NOTED
	S1/2 1/2 SWITCHED RECEPTACLE @ +18" UNLESS NOTED
	FR FIRE RATED POKE THRU WITH TYPE INDICATED
	FF FLUSH FLOOR BOX WITH TYPE INDICATED
	S SINGLE RECEPTACLE @ +18" UNLESS NOTED
	D DUPLEX RECEPTACLE @ +18" UNLESS NOTED
	DD DOUBLE DUPLEX RECEPTACLE @ +18" UNLESS NOTED
	GFI GFI DUPLEX RECEPTACLE
	DC DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP
	GR GFI-RATED DUPLEX RECEPTACLE
	ARC ARC FAULT RATED DUPLEX RECEPTACLE
	WP DUPLEX RECEPTACLE WITH WEATHERPROOF COVERPLATE @ 18" UNLESS NOTED
	P1–3,5,7 HOMERUN TO PANELBOARD, INFORMATION AT ARROWS ARE CIRCUIT NUMBERS AND PANELBOARD FOR TERMINATION. REFER TO ASSOCIATED NOTE FOR BRANCH



**GUY GRONBERG
ARCHITECTS, P.C.**
1113 SE 3rd St.
Lee's Summit, MO 64063
Phone 816.524.0878
Fax 816.524.8578



MO COA NO. 2012006796
KS COA NO. E-2818
1901 NW BLUE PARKWAY,
UNITY VILLAGE, MO 64065
rd FLOOR UNITY VILLAGE TOWER
phone: (816) 272-5289



Lee's Summit Medical Center, MOB
INFUSION CENTER

This drawing has been provided as an instrument of service by the architect, or under his supervision and is intended for use on this project only. Pursuant to the Architectural Works Copyright Protection Act of 1990, all drawings, specifications, ideas and designs, including the overall form, arrangement and composition of spaces and elements appearing herein, constitute the original, copyrighted work of the architect. Any reproduction, use, disclosure of information contained herein without prior written consent of the Architect is strictly prohibited.

REV#	DATE	DESCRIPTION
DATE: 01-07-2022		
PROJECT# 22-007		

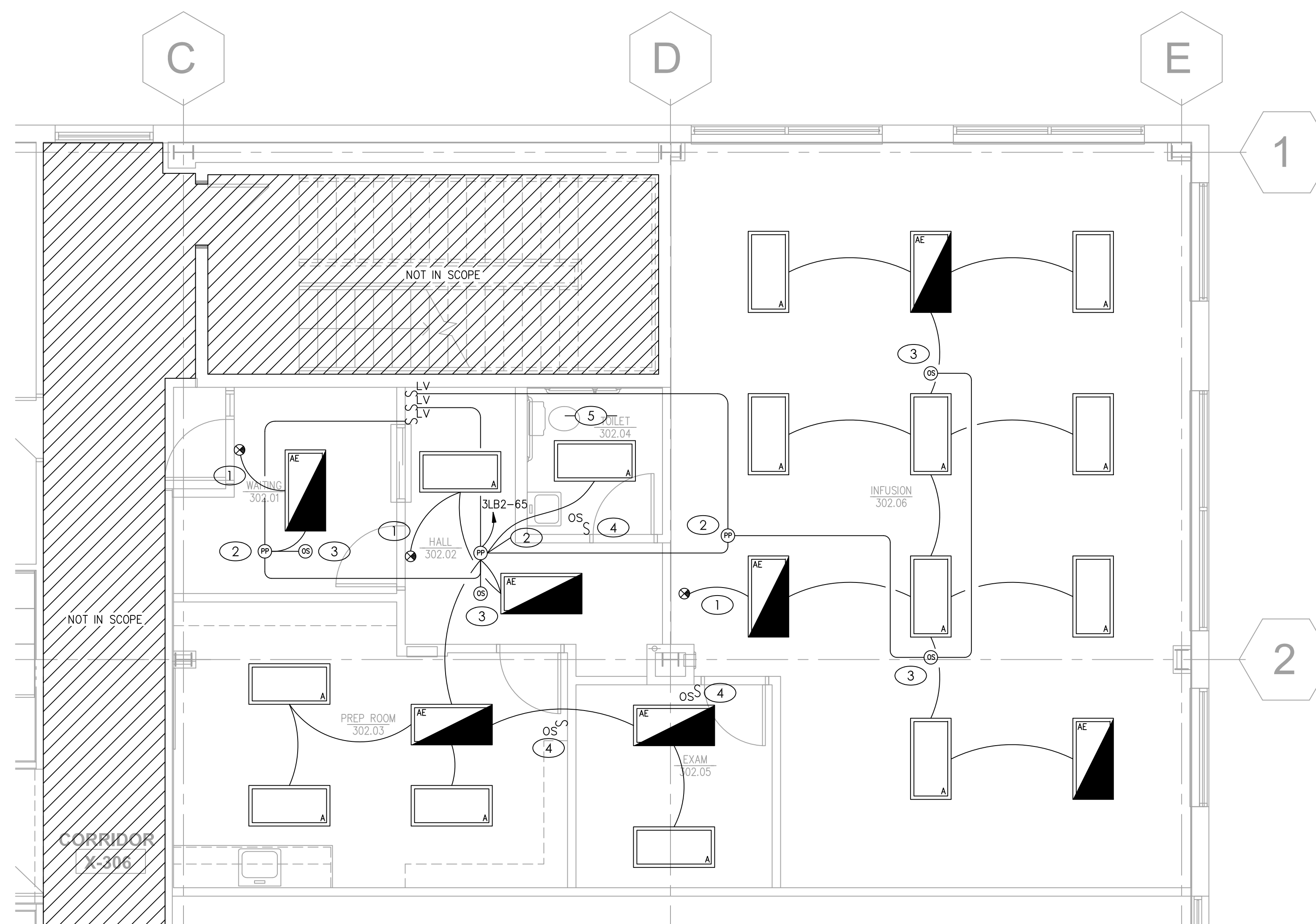
E2

GENERAL NOTES

- B. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
- C. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL LOCAL BUILDING CODES AND AMENDMENTS.
- D. ALL ROOF AND WALL PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR, PROVIDE ALL REQUIRED SLEEVES, FLASHINGS, CURBS, REINFORCED ANGLES, SUPPORTING FRAMES, ETC. UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
- E. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
- F. THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEMS.
- G. PROVIDE CONSTANT UNSWITCHED HOT LEG TO ALL LIGHTS WITH EMERGENCY BATTERY PACKS AND ALL OUTDOOR SCENES.
- H. THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED HVAC EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL HVAC EQUIPMENT BEING FURNISHED. ANY CHANGES TO THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT SUBSTITUTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- I. ALL WIRING SHALL BE IN APPROVED RACEWAY.
- J. WIRE SIZE SHALL BE MINIMUM #12 AWG, THWN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE WHERE REQUIRED BY CODE. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH EXCEEDS 100 FEET.
- K. MAXIMUM NUMBER OF UNGROUNDED WIRES IN ANY CONDUIT SHALL BE THREE. ADDITIONAL WIRES ARE ACCEPTABLE IF WIRE SIZE IS INCREASED TO ALLOW FOR DERATING PER CODE. PROVIDE ADDITIONAL WIRES FOR SWITCHING AS REQUIRED.
- L. FIRE ALARM, AUDIO/VIDEO AND SURVEILLANCE SYSTEMS BY OTHERS.
- M. ALL CIRCUIT NUMBERS SHOWN NEXT TO DEVICES ARE ASSOCIATED WITH THE HOMERUN SHOWN AT A NEARBY DEVICE AND SHALL TERMINATE AT THE DESIGNATED PANELBOARD CIRCUIT BREAKER.
- N. EC TO PROVIDE AND INSTALL RECEPTACLES, CAPS, AND CORDS AS REQUIRED. CAPS AND CORDS ARE TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
- O. ALL ELECTRICAL WIRING, CONDUITS, AND CABLEING IN PATIENT CARE AREAS (INCLUDING, BUT NOT LIMITED TO, "EXAM" AND "OFFICE" ROOMS) ARE TO BE MEDICAL GRADE PER NEC REQUIREMENTS.
- P. ELECTRICAL PANELBOARDS EXIST ROUGHLY 50' SOUTH OF SOUTHEAST CORNER OF SCOPE AREA ON OPPOSITE SIDE OF CORRIDOR X-306 IN ELEC (COMMUNICATIONS) 309 ROOM.

KEYED PLAN NOTES

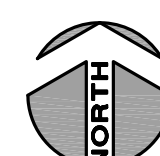
1. CONNECT EXIT/EMERGENCY LIGHT VIA UNSWITCHED HOT CONDUCTOR.
2. LIGHTING CONTROLS POWER PACK, SENSORWORX SWX-900 SERIES OR PRE-BID APPROVED EQUAL, PROVIDE AND MAKE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND NEC REQUIREMENTS.
3. LIGHTING CONTROLS CEILING MOUNTED OCCUPANCY SENSOR, SENSORWORX SWX-200 SERIES OR PRE-BID APPROVED EQUAL, PROGRAM FOR VACANCY-SENSING OPERATION, PROVIDE AND MAKE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND NEC REQUIREMENTS.
4. WALL SWITCH OCCUPANCY SENSOR, SENSORWORX SWX-100 SERIES OR PRE-BID APPROVED EQUAL, PROVIDE AND MAKE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS AND NEC REQUIREMENTS.
5. WIRE SO THAT ON/OFF OPERATION OF EXHAUST FAN COORDINATES WITH LIGHTING FIXTURE IN ROOM.



ELECTRICAL LIGHTING PLAN

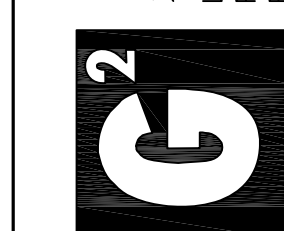
SCALE : 1/4" = 1'-0"

1

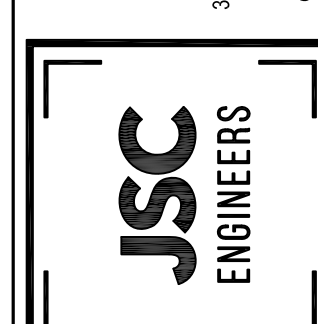




**GUY GRONBERG
ARCHITECTS, P.C.**
1113 SE 3rd St.
Lee's Summit, MO 64063
Phone 816.524.0878
Fax 816.524.8578



MD COA NO. 2012006786
KS COA NO. E-2818
1901 NW BLUE PARKWAY,
UNITY VILLAGE, MO 64065
1st FLOOR UNITY VILLAGE TOWER
phone: (816) 272-5289



Lee's Summit Medical Center, MOB
INFUSION CENTER

This drawing has been provided as an instrument of service by the architect, or its duly authorized representative, under his or her supervision and is intended for use on this project only. Pursuant to the provisions of the Copyright Protection Act of 1976, all drawings, specifications, designs and designs, including the overall form, arrangement and composition of spaces and elements are the original copyrighted work of the designer/architect. Any reproduction, use, or disclosure of information contained herein without prior written consent of the Architect is strictly prohibited.

©COPYRIGHT 2020 GUY
ARCHITECTS P.C.
ALL RIGHTS RESERVED

REV#	DATE	DESCRIPTION
DATE: 01-07-2022		
PROJECT# 22-007		

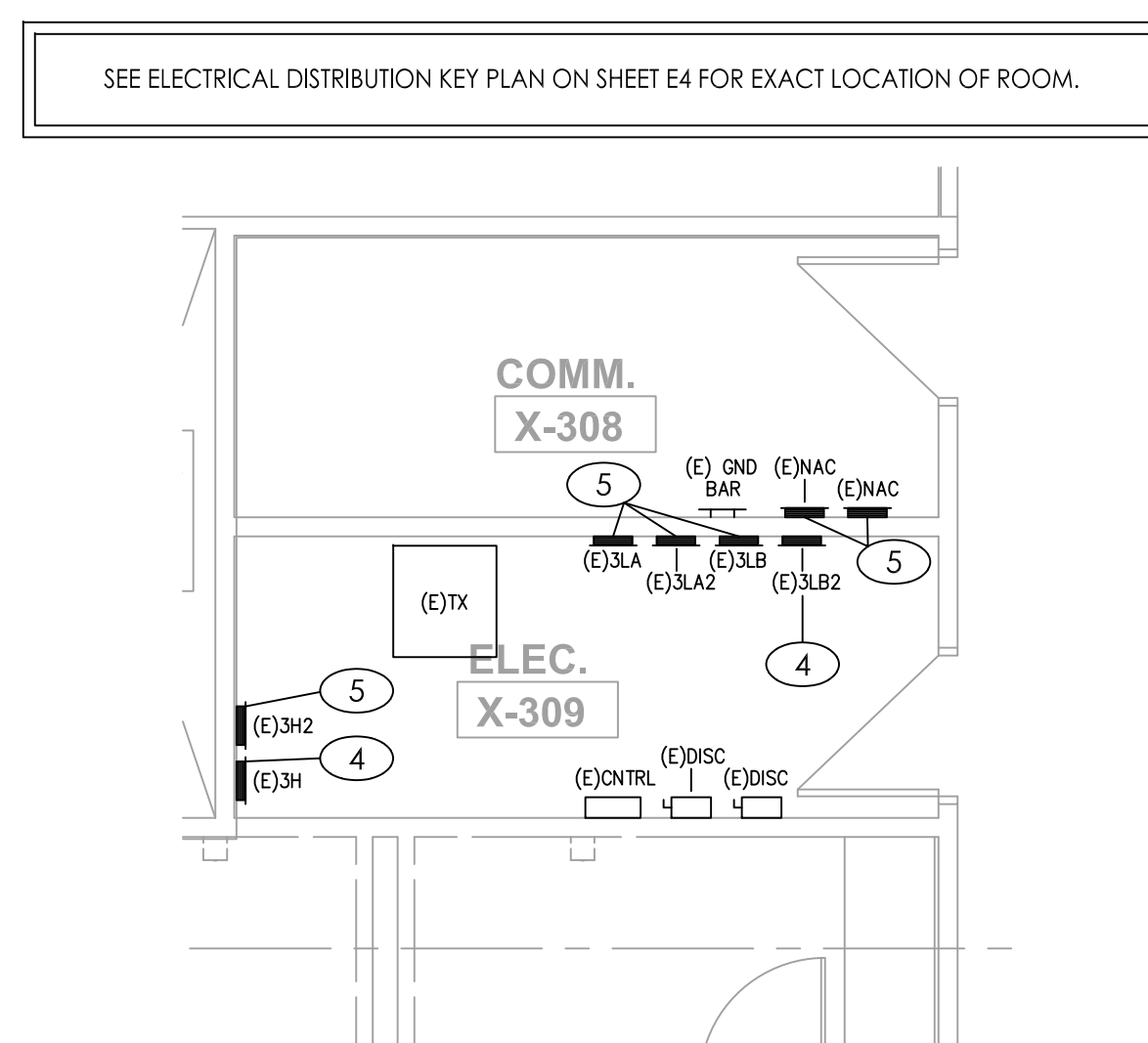
E3

GENERAL NOTES

- A. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
- B. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL LOCAL BUILDING CODES AND AMENDMENTS.
- C. ALL ROOF AND WALL PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL REQUIRED SLEEVES, FLASHINGS, CURBS, REINFORCED ANGLES, SUPPORTING FRAMES, ETC. UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
- D. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
- E. THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEMS.
- F. PROVIDE CONSTANT UNSWITCHED HOT LEG TO ALL LIGHTS WITH EMERGENCY BATTERY PACKS AND ALL OUTDOOR SCENES.
- G. THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED HVAC EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL HVAC EQUIPMENT BEING FURNISHED. ANY CHANGES TO THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT SUBSTITUTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- H. ALL WIRING SHALL BE IN APPROVED RACEWAY.
- I. WIRE SIZE SHALL BE MINIMUM #12 AWG, THWN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE WHERE REQUIRED BY CODE. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH EXCEEDS 100 FEET.
- J. MAXIMUM NUMBER OF UNGROUNDED WIRES IN ANY CONDUIT SHALL BE THREE. ADDITIONAL WIRES ARE ACCEPTABLE IF WIRE SIZE IS INCREASED TO ALLOW FOR DERATING PER CODE. PROVIDE ADDITIONAL WIRES FOR SWITCHING AS REQUIRED.
- K. FIRE ALARM, AUDIO/VIDEO AND SURVEILLANCE SYSTEMS BY OTHERS.
- J. ALL CIRCUIT NUMBERS SHOWN NEXT TO DEVICES ARE ASSOCIATED WITH THE HOMERUN SHOWN AT A NEARBY DEVICE AND SHALL TERMINATE AT THE DESIGNATED PANELBOARD CIRCUIT BREAKER.
- K. EC TO PROVIDE AND INSTALL RECEPTACLES, CAPS, AND CORDS AS REQUIRED. CAPS AND CORDS ARE TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
- L. ALL ELECTRICAL WIRING, CONDUITS, AND EXAMINING IN PATIENT CARE AREAS (INCLUDING, BUT NOT LIMITED TO, "EXAM" AND "OFFICE" ROOMS) ARE TO BE MEDICAL GRADE PER NEC REQUIREMENTS.
- M. ELECTRICAL PANELBOARDS EXIST ROUGHLY 50' SOUTH OF SOUTHEAST CORNER OF SCOPE AREA ON OPPOSITE SIDE OF CORRIDOR X-306 IN ELEC (COMMUNICATIONS) 309 ROOM.

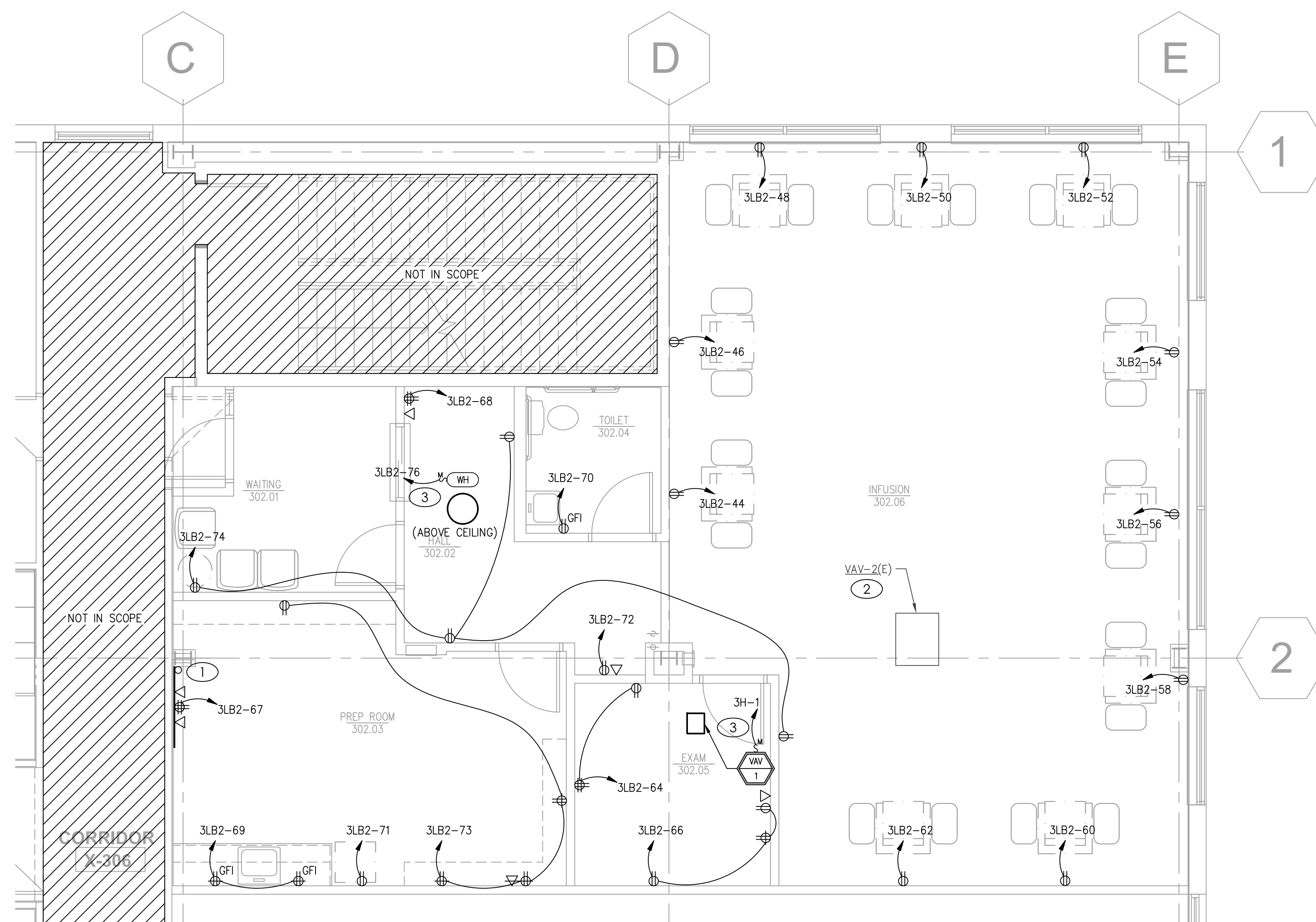
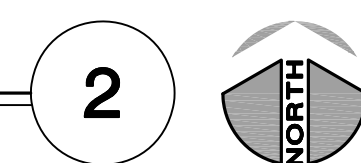
KEYED PLAN NOTES

1. PROVIDE (1) 4" CONDUIT TO LANDLORD TELECOMMUNICATION EQUIPMENT FOR ROUTING OF TENANT TELECOMMUNICATIONS CABLING. PROVIDE 4"x4"x2" PLYWOOD BACKSUPPORT FOR TENANT TELECOM EQUIPMENT MOUNTING. COORDINATE MOUNTING HEIGHT OF BOARD, POWER, AND DATA OUTLETS WITH TENANT PRIOR TO CONSTRUCTION.
2. EXISTING FAN-POWERED VAV UNIT TO REMAIN. CONFIRM ALL ELECTRICAL CONNECTIONS ARE MADE PER MANUFACTURER'S RECOMMENDATIONS AND NEC REQUIREMENTS.
3. MAKE CONNECTION TO DIVISION 22/23 EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND NEC REQUIREMENTS. COORDINATE WORK WITH DIVISION 22/23 CONTRACTOR PRIOR TO CONSTRUCTION.
4. EXISTING PANELBOARD TO REMAIN. REFER TO PANELBOARD SCHEDULE ON SHEET E-201 FOR MORE INFORMATION.
5. EXISTING PANELBOARD TO REMAIN WITH NO MODIFICATIONS IN THIS SCOPE.



ELECTRICAL ROOM PLAN

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



ELECTRICAL POWER PLAN

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



ELECTRICAL LIGHTING SCHEDULE <small>(OR EQUAL, VERIFY ALL SELECTIONS AND FINISHES WITH OWNER AND ARCHITECT PRIOR TO ORDERING).</small>							
FIXTURE TYPE	MANUFACTURER		VOLT AMPS	MOUNTING	LAMP TYPE	REMARKS	VOLT
	NAME	CATALOG NUMBER					
A	LITHONIA	2BLT4-60L-ADP-EZ1-LP840	48	GRID	INCLUDED 4000K LED	2' X 4' DIMMABLE LED TROFFER - VOLUMETRIC RECESSED	MVOLT
AE	LITHONIA	2BLT4-60L-ADP-EZ1-LP840-EL14LSD	48	GRID	INCLUDED 4000K LED	2' X 4' DIMMABLE LED TROFFER - VOLUMETRIC RECESSED - WITH EMERGENCY BATTERY PACK OPTION	MVOLT
☒	LITHONIA	LQM-S-W-3-R-MVOLT-EL-N-SD	5	WALL	INCLUDED LED	LED RED LETTER EXIT SIGN LUMINAIRE WITH 90 MIN EMERGENCY BATTERY PACK	MVOLT

SCALE : NO SCALE

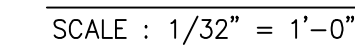
PANELBOARD: 3H (EXISTING)				FED FROM:				UTILITY				LINE-SIDE LUGS: MECHANICAL			
BUS MPIS: 400A				AIC RATING: 65000 FULLY RATED								EQUIPMENT GROUND BUS			
MAIN SIZE/TYPE: MLO				SERVES: 3RD FLOOR											
VOLTS/PHASE: 480Y/277V, 3PH, 4W				MOUNTING: SURFACE											
SECTION: 1				LOCATION: COMMUNICATIONS 109											
CKT NO	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE	DESCRIPTION	CKT NO			
		A	B	C									A	B	C
1	MPWR - VAV-1	4,000			12	20	1	1	20	EX	1,500	VAV 1-3-3, 1-3-2	2		
3	SPARE					20	1	1	20		SPARE	4			
5	SPARE					15	1	1	20		SPARE	6			
7		1,000						1	1		1,000		8		
9	FPB 3-8		1,000		EX	15	1	1	15	EX	1,000	FPB 3-7	10		
11				1,000				1	1			1,000	12		
13		1,000						1	1		1,000		14		
15	FPB 3-6		1,000		EX	15	1	1	15	EX	1,000	FPB 2-3-4	16		
17				1,000				1	1			1,000	18		
19	SPARE					20	1	1	20	EX	1,200	LTG - CORRIDOR/RESTROOM	20		
21	VAV 1-3-3		1,500		EX	20	1	1	20	EX	1,200	LTG - EMERGENCY	22		
23	SPARE					20	1	1				5,000	24		
25	FPB 1-3-3	1,000			EX	15	1	1	175	EX	20,000	T3L	26		
27			1,000					1	1			20,000	28		
29	FPB 3-4			1,000	EX	15	1	1				20,000	30		
31		1,000				1	1	1	15	EX	1,000	FPB 1-3-1	32		
33	SPARE					20	1	1			1,000		34		
35	SPARE					20	1	1					36		
37	PROVISIONAL SPACE											PROVISIONAL SPACE	38		
39	PROVISIONAL SPACE											PROVISIONAL SPACE	40		
41	PROVISIONAL SPACE					1	1					PROVISIONAL SPACE	42		
SUBTOTAL		8,000	4,500	3,000							25,700	24,200	27,000	SUBTOTAL	
TOTAL PHASE A - VA		33,700			CONN VA		DF	LOAD		CONN VA		DF			
AMPS 122							0	REFRIG				1.00			
TOTAL PHASE B - VA		28,700			4,000		1.00	SIGN/DISP				1.25			
AMPS 104							1.25	KITCHEN				1.00			
TOTAL PHASE C - VA		30,000					101/5	EXISTING		88,400		1.00			
AMPS 108							1.00	LRG MOTOR				1.25			
TOTAL PNLB - VA		92,400					1.00	SHOW/NDW				1.25	92,400 VA		
AMPS 111							1.00	LTG TRACK				1.00	111 A		

PANELBOARD NOTES

DESCRIPTION IN ITALICS = EXISTING LABELED LOAD TO REMAIN.

M = HACR-TYPE BREAKER

2



SCALE : NO SCALE

ELECTRIC SERVICE SINGLE LINE DIAGRAM IS EXISTING TO REMAIN. NO MODIFICATIONS ARE BEING MADE TO THE SEQUENCE OF ELECTRICAL SERVICE DISTRIBUTION EQUIPMENT IN THIS SCOPE.