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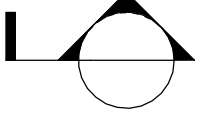
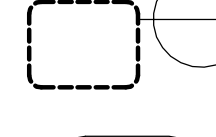




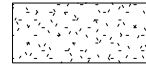
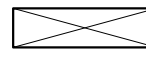
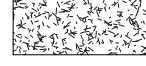
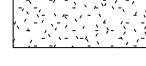
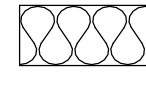
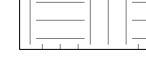

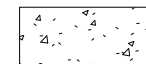
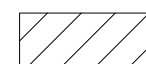

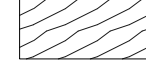

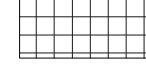
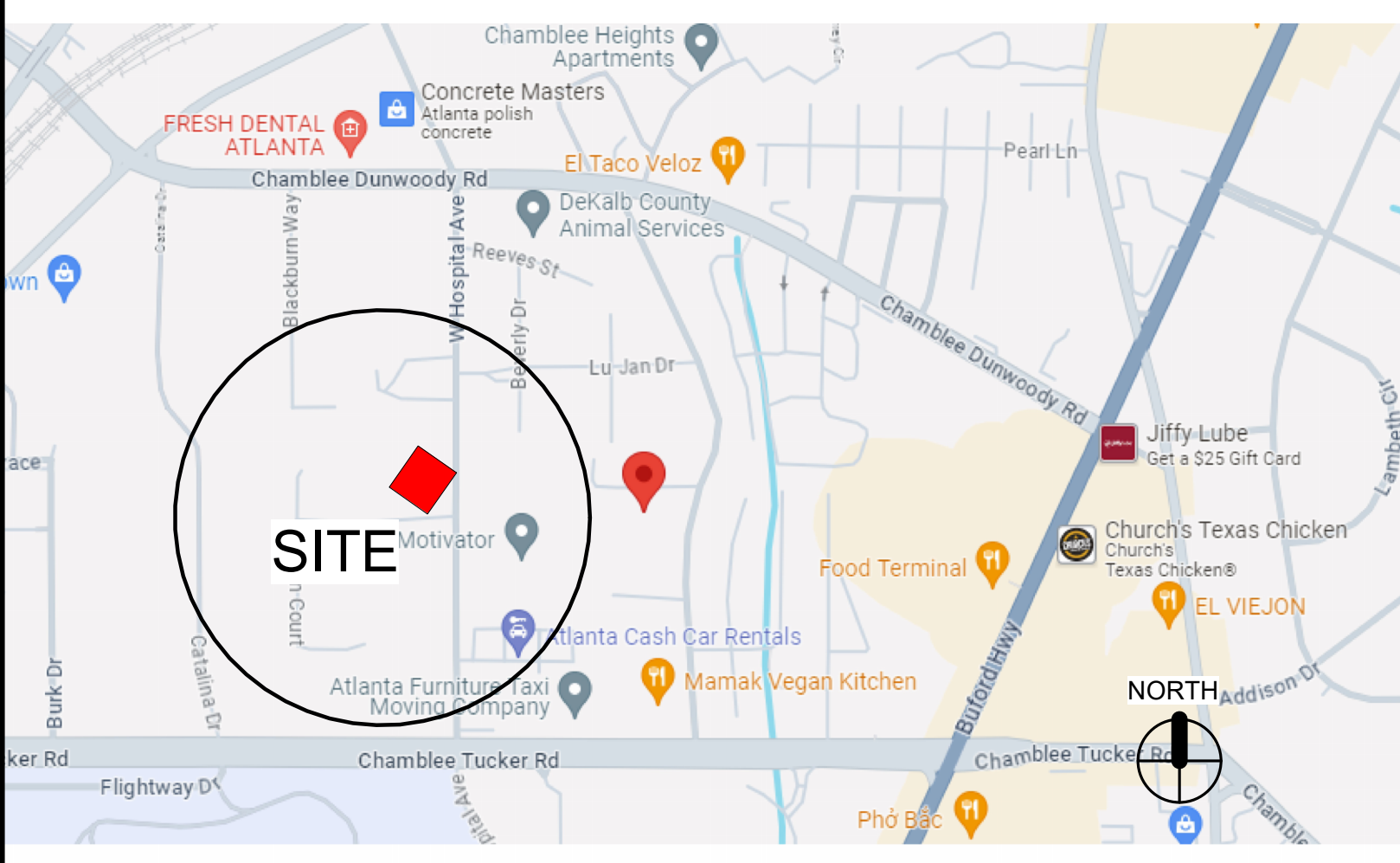
CHAMBLEE PUBLIC WORKS OFFICE RENOVATION

ALPHA BLDG SET 06-24-2025



208 Pirkle Ferry Road, Suite C
Cumming, GA 30040



| PROJECT DIRECTORY | | | ABBREVIATIONS | | | SYMBOLS | | | DRAWING INDEX | | | |
|--|--|--|---|---|---|--|--|---|---------------|--|--|--|
| TENANT: | CHAMBLEE PUBLIC WORKS 3220 CUMBERLAND DRIVE CHAMBLEE, GA 30341 | TODD HILL TEL: 470-395-2307 thill@chambleega.gov | @ ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. CMU COORD. COL CONC. CONT. Ø DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL. F.O. F.O.F. F.O.M. FOIC | AT ACOUSTICAL CEILING TILE ABOVE FINISHED FLOOR ALUMINUM BOTTOM OF BOARD BUILDING BRICK BEARING COLD FORMED METAL FRAMING CENTER LINE CLEAR CONTROL JOINT CONCRETE MASONRY UNIT COORDINATE COLUMN CONCRETE CONTINUOUS DIAMETER DRAWING DOWN SPOUT EACH ELEVATION ELECTRIC EQUIPMENT SUPPLIER EXPANSION EXTERIOR ELECTRIC WATER COOLER FLOOR DRAIN FIRE EXTINGUISHER CABINET FINISHED FLOOR FLOOR FACE OF FACE OF FINISH FACE OF MASONRY FURNISHED BY OWNER INSTALLED BY CONTRACTOR FIRE RETARDANT FRANCHISEE FIBERGLASS REINFORCED POLYESTER | G.C. GYD. BP. H.M. HT I.B.C. JT. L.L. MFR. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STL. STRUCT. T/ T&G TYP. U.N.O. VERT. VWC W W/ WD. W.W.F. | GENERAL CONTRACTOR GYPSUM BOARD HOLLOW METAL HEIGHT INSTALLED BY CONTRACTOR JOINT LANDLORD MANUFACTURER MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING WIDE WITH WOOD WELDED WIRE FABRIC |  ELEVATION MARK  SECTION MARK 'SIM' - SIMILAR 'OH' - OPPOSITE HAND  ENLARGED PLAN / DETAIL MARK  DOOR REFERENCE NUMBER  ROOM NAME & NUMBER  COLUMN AND GRID NUMBER  WINDOW REFERENCE NUMBER  SOLID GROUT  WOOD DIMENSIONAL  SHEATHING  PLASTER, GYPSUM WALLBOARD |  BATT INSULATION  EARTH  GRANULAR  CONCRETE  BRICK  STEEL, IRON  WOOD  MORTAR NET  RIGID INSULATION | | | | |
| ARCHITECT: | JERICO DESIGN GROUP 208 PIRKLE FERRY RD SUITE C CUMMING, GA 30040 | DOUG SHAW TEL: 678-983-5992 dshaw@jericho-design.com | F.R. FRAN. FRP | FIRE RETARDANT FRANCHISEE FIBERGLASS REINFORCED POLYESTER | | | | | | | | |
| MECHANICAL ELECTRICAL & PLUMBING: | CONWAY & OWEN 1455 BLUEGRASS LAKES PARKWAY ALPHARETTA, GA 30004 | KEN BOVE TEL: 678-350-9000 kbove@conway-owen.com | | | | | | | | | | |
| VICINITY MAP | | | GENERAL NOTES | | | | | | | | | |
|  | | | <div><div>1. THESE DRAWINGS ARE THE PROPERTY OF JERICO DESIGN GROUP, LLC AND SHALL NOT BE REPRODUCED OR COPIED (PHYSICALLY AND/OR DIGITALLY) IN PART OF WHOLE. THEY ARE TO BE USED FOR THIS PROJECT ONLY AND ARE NOT TO BE USED ON ANY OTHER PROJECT.</div><div>2. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO AGREE AND BE MUTUALLY EXPLANATORY. THEY SHALL BE ACCEPTED/USED AS A WHOLE; NOT SEPARATELY. SHOULD ANY ITEMS BE OMITTED FROM THE DRAWINGS AND BE HEREIN SPECIFIED, OR VICE VERSA, IT SHALL BE EXECUTED THE SAME AS IF SHOWN AND COMBINED IN BOTH. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY ENTIRE SET TO EACH SUBCONTRACTOR.</div><div>3. THE CONTRACTOR IS TO NOTIFY ARCHITECT OF ANY DISCREPANCIES AFTER FULL REVIEW OF CONTRACT DOCUMENTS TO INCLUDE BUT NOT LIMITED TO ERRORS, OMISSIONS, INCONSISTENCIES, DISCREPANCIES, AND CONFLICTS WITH THE DRAWINGS/SPECIFICATIONS OR AS RELATED TO FIELD CONDITIONS. CONTRACTOR TO CONTACT ARCHITECT IMMEDIATELY TO DISCUSS A RESOLUTION.</div><div>4. DO NOT SCALE THE DRAWINGS UNDER ANY CONDITION.</div><div>5. WORK PERFORMED SHALL BE IN ACCORDANCE TO ALL FEDERAL, STATE AND LOCAL BUILDING CODE REQUIREMENTS PER INDUSTRY STANDARDS. ALL REQUIRED PERMITS AND FEES ASSOCIATED ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR NECESSARY FOR START AND COMPLETION OF THE PROJECT. COPIES OF INSPECTIONS AND PERMITS SHALL BE FURNISHED TO OWNER AT REQUEST AND/OR AT PROJECT CLOSEOUT.</div><div>6. CONTRACTOR TO TAKE PRECAUTIONS IN PROTECTING THE WORK DURING CONSTRUCTION. ANY DAMAGE TO BE RESTORED TO ORIGINAL CONSTRUCTION BY THE CONTRACTOR. PATCH AND REPAIR ALL ITEMS DAMAGED OR ALTERED DURING CONSTRUCTION BY THE CONTRACTOR. ALL PATCHES SHALL BLEND WITH ADJACENT MATERIAL, COLOR, FINISH, AND TEXTURE. ALL EXISTING WORK FURNISHING, EQUIPMENT OR MATERIAL TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.</div><div>7. REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED IN WRITING TO THE ARCHITECT FOR CONSIDERATION ONLY IF IMPACT TO SCHEDULE, COST CHANGE OR QUALITY OF PRODUCT. ACCEPTANCE BY ARCHITECT DOES NOT IDENTIFY PRODUCT TO BE OF BETTER QUALITY THAN SPECIFIED PRODUCT.</div><div>8. SEAL ALL EXTERIOR PENETRATIONS AND VOIDS ON EXTERIOR BUILDING ENVELOPE.</div><div>9. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN FIELD CONDITION/S AND CONTRACT DOCUMENTS PRIOR TO ANY CONSTRUCTION ACTIVITY IN AREA OF CONCERN.</div><div>10. THE LOCATION OF THE EXISTING UTILITIES & STRUCTURES SHOWN HEREIN ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE & ACTUAL LOCATIONS OF ALL SHOWN OR NOT SHOWN. ANY DAMAGES RESULTING BY CONTRACTORS' ACTIVITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.</div><div>11. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING & SHORING FOR ALL WORK DURING THE CONSTRUCTION PERIOD.</div><div>12. PROVIDE SEPARATION BETWEEN ALL DISSIMILAR METALS INCLUDING SCREWS, NAILS & OTHER FASTENING DEVICES TO AVOID GALVANIC CORROSION.</div><div>13. PROVIDE EXPANSION AND CONTROL JOINTS IN ALL WORK AS PER PRODUCT MANUFACTURER'S STANDARDS, OR SPECIFICATIONS, UNLESS NOTED OTHERWISE.</div><div>14. ALL DIMENSIONS ARE WITNESSED TO THE OUTSIDE FACE OF MASONRY, FACE OF STUD, CENTER OF COLUMN, TOP OF STRUCTURAL CONCRETE SLAB OR ROUGH WINDOW OPENINGS UNLESS NOTED OTHERWISE.</div><div>15. NOTES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND MATERIALS. SHEETS ARE TO BE REVIEWED AND NOTES ON INDIVIDUAL SHEETS SHALL BE APPLIED TO RELATED DRAWINGS AND DETAILS.</div><div>16. INTERIOR PARTITION MOVEMENT CONTROL - VERTICAL CONTROL JOINTS FOR ANY WALL LENGTH ARE TO OCCUR AT NOT MORE THAN 30'-0" O.C. IN THE HORIZONTAL DIRECTION, UNLESS NOTED OTHERWISE.</div><div>17. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL PARTS OF THE WORK SO THAT NO WORK SHALL BE LEFT IN AN UNFINISHED OR INCOMPLETE CONDITION.</div><div>18. THE PROJECT AND ALL INTERIOR SPACES SHALL BE COMPLETELY OPERATIONAL UPON TURNOVER OF SPACE, THESE ARE TO INCLUDE SYSTEMS NOT LIMITED TO ARCHITECTURAL, INTERIORS, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION SYSTEMS.</div><div>19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE LOCATIONS AND/OR ELEVATIONS OF FLOOR DRAINS, REGISTERS, GRILLES, LOUVERS, DUCTS, UNIT HEATERS, PANELS, ETC. WITH STRUCTURAL MECHANICAL AND ELECTRICAL CONTRACTORS.</div><div>20. BOLTING OF WOOD TO STRUCTURAL MEMBERS SHALL BE WITH A MINIMUM OF 1/2" BOLTS X 4'-0" O.C. UNLESS NOTED OTHERWISE ON CONSTRUCTION DOCUMENTS AND/OR SPECIFICATIONS.</div><div>21. ALL EXTERIOR LUMBER EXPOSED TO MOISTURE SHALL BE PRESSURE PRESERVATIVE TREATED.</div><div>22. CONTRACTOR SHALL COMPLY WITH STATE BUILDING CODES IN FIRESTOPPING ALL FLOOR PENETRATIONS.</div><div>23. METAL STUDS AND HANGER WIRE ARE NOT TO BE ATTACHED DIRECTLY TO FLOOR/CEILING MTL DECKING. ATTACH TO STRUCTURAL STEEL, BAR JOIST, MISCELLANEOUS STEEL OR CONCRETE STRUCTURE ONLY. IF THE TOP TRACK OF THE METAL STUDS AND HANGER WIRE MUST BE CONNECTED TO METAL DECK, SEE STRUCTURAL NOTES FOR ATTACHMENT CRITERIA.</div><div>24. GENERAL: ALL WOOD FRAMING/BLOCKING IN TYPE II CONSTRUCTION SHALL BE FIRE RETARDANT TREATED WOOD IN ACCORDANCE WITH 2018 IBC SECTION 603.</div><div>25. IF EVIDENCE SUGGESTS THE PRESENCE OF MOLD ON, BEHIND OR WITHIN SURFACES OR MATERIALS (I.E., INCLUDING, BUT NOT LIMITED TO EXISTING GYPSUM BOARD, EXISTING FLOOR FINISHES AND/OR EXISTING CEILING TILE), IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AREA, REMOVE PORTION OF MATERIAL WITH MOLD AND PATCH/REPAIR TO LIKE NEW CONDITION.</div><div>26. ANY ALTERATION OR ANY INSTALLATION OF EQUIPMENT SHALL MEET AS NEARLY AS PRACTICABLE THE REQUIREMENTS FOR NEW CONSTRUCTION IN ACCORDANCE WITH NFPA 101: 4.6.7, 2018 EDITION.</div><div>27. ALL DEMOLITION WORK SHALL COMPLY WITH THE REQUIREMENT OF NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, 2018 EDITION.</div><div>28. ALL ALTERATIONS OR MODIFICATIONS TO EXISTING BRANCH LINES OF THE EXISTING SPRINKLER SYSTEM SHALL BE SUBMITTED ALONG WITH HYDRAULIC CALCULATIONS TO THE STATE FIRE MARSHALL FOR APPROVAL. IS WORK IS OUTSIDE THE SCOPE OF SECTIONS 4.4.1 THROUGH 4.4.4 OF THE RULES AND REGULATIONS OF THE SAFETY FIRE COMMISSIONER, CHAPTER 120-3-3, WHICH ADDS SECTION 4.4 TO NFPA 13.</div></div> | | | | | | | | <div>SHEET NO.</div> <div>SHEET NAME</div> <div>00 PROJECT INFO</div> <div>CS-1.01 COVER SHEET</div> <div>02 LIFE SAFETY</div> <div>LS-1.01 LIFE SAFETY</div> <div>03 GENERAL</div> <div>G-1.01 ADA REGULATORY DETAILS & DIAGRAMS</div> <div>G-2.01 PARTITION TYPE</div> <div>G-3.01 SPECIFICATIONS</div> <div>G-3.02 SPECIFICATIONS</div> <div>06 STRUCTURAL</div> <div>S-0.01 DESIGN PARAMETERS AND GENERAL STRUCTURAL NOTES</div> <div>S-0.10 STRUCTURAL SPECIAL INSPECTION</div> <div>S-0.11 STRUCTURAL SPECIAL INSPECTIONS</div> <div>S-1.01 STUCTURAL PLAN</div> <div>S-3.01 STRUCTURAL DETAIL</div> <div>07b ARCHITECTURAL</div> <div>D-1.01 DEMOLITION PLAN</div> <div>07c ARCHITECTURAL</div> <div>A-1.01R REFERENCE PLAN - LEVEL 1</div> <div>A-2.01 REFLECTED CEILING PLAN - LEVEL 1</div> <div>08 INTERIORS</div> <div>ID-1.01 FINISH SCHEDULE & GENERAL NOTES</div> <div>ID-2.01 FINISH PLAN - LEVEL 1</div> <div>ID-2.51 ENLARGED FINISH PLANS & ELEVATIONS</div> <div>ID-5.01 INTERIOR SECTIONS & DETAILS</div> <div>ID-6.01 FURNITURE & EQUIPMENT PLAN</div> <div>11 PLUMBING</div> <div>P-0-01 LEGENDS & SCHEDULES</div> <div>P-0-02 DETAILS - PLUMBING</div> <div>P-1-01 DEMOLITION PLAN - PLUMBING</div> <div>P-1-02 FLOOR PLAN - PLUMBING</div> <div>P-1-03 ENLARGED FLOOR PLAN - DOMESTIC WATER</div> <div>P-2-01 ISOMETRIC VIEW - SANITARY & VENT</div> <div>12 MECHANICAL</div> <div>M-0-01 LEGENDS & SCHEDULES</div> <div>M-0-02 SPECIFICATIONS</div> <div>M-0-03 DETAILS - HVAC</div> <div>M-1-01 DEMOLITION PLAN - HVAC</div> <div>M-1-02 FLOOR PLAN - HVAC</div> <div>13 ELECTRICAL</div> <div>E-0-01 ELECTRICAL LEGENDS</div> <div>E-0-02 ELECTRICAL NOTES</div> <div>E-0-03 ELECTRICAL DETAILS</div> <div>E-0-04 SCHDULES AND COMM CHECK - ELECTRICAL</div> <div>E-1-01 DEMOLITION PLAN - ELECTRICAL</div> <div>E-1-02 FLOOR PLAN - ELECTRICAL</div> <div>E-1-03 FLOOR PLAN - LIGHTING</div> <div>E-1-04 FLOOR PLAN - MECHANICAL AND FIRE ALARM</div> <div>E-2-01 PANEL SCHEDULES AND RISER DIAGRAM</div> | |
| SCOPE OF WORK | | | | | | | | | | | | |
| INTERIOR RENOVATION OF AN EXISTING ONE STORY 2ND GENERATION BUILDING. sCOPE OF WORK INCLUDES NEW CONSTRUCTION, NEW FINISHES, MODIFICATION TO THE EXISTING ELECTRICAL, MECHANICAL AND PLUMBING SYSTEM | | | | | | | | | | | | |
| HOURS OF CONSTRUCTION | | | | | | | | | | | | |
| MONDAY - FRIDAY, 7AM - 7PM AND SATURDAY, 9AM - 5PM THERE IS NO WORK ALLOWED ON SUNDAY AND HOLIDAYS. | | | | | | | | | | | | |

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| KEY NOTES -LIFE SAFETY | |
|------------------------|--|
| KEY NOTE # | DESCRIPTION |
| LS-1 | ALL FIRE AND / OR SMOKE BARRIERS OR WALLS TO BE PERMANENTLY IDENTIFIED WITH A SING OR STENCILING ABOVE A DECORATIVE CEILING AND /OR CONCEALED SPACE. PROVIDE LETTERS A MINIMUM OF 2 INCHES HIGH ON A CONTRASTING BACKGROUND. MARKING SHALL BE A MAXIMUM OF 12 FEET ON CENTER WITH NO LESS THAN ONE PER WALL OR BARRIER. WORDING "1 HOUR FIRE AND SMOKE BARRIER-PROTECT ALL OPENINGS" |

| L.S.C. 7.3.1.2. OCCUPANCY SCHEDULE | | | | |
|------------------------------------|------------|---------|----------------------|-----------------|
| ROOM # | ROOM NAME | AREA | OCCUPANT LOAD FACTOR | TOTAL OCCUPANTS |
| 100 | RECEPTION | 252 SF | 15 NET | 17 |
| 101 | OFFICE | 126 SF | 150 GROSS | 1 |
| 102 | I.T | 21 SF | 150 GROSS | 1 |
| 103 | STORAGE | 48 SF | 150 GROSS | 0 |
| 105 | OFFICE | 103 SF | 150 GROSS | 1 |
| 106 | OFFICE | 102 SF | 150 GROSS | 1 |
| 107 | TOILET | 82 SF | 150 GROSS | 0 |
| 108 | BREAK | 59 SF | 150 GROSS | 1 |
| 109 | OFFICE | 98 SF | 150 GROSS | 1 |
| 110 | OFFICE | 99 SF | 150 GROSS | 1 |
| 111 | OFFICE | 159 SF | 150 GROSS | 1 |
| 112 | HUDDLE | 75 SF | 15 NET | 5 |
| 113 | OFFICE | 110 SF | 150 GROSS | 1 |
| 114 | CONFERENCE | 219 SF | 15 NET | 15 |
| 115 | BREAKROOM | 1119 SF | 150 GROSS | 22 |
| 116 | WAREHOUSE | 6593 SF | 300 GROSS | 22 |
| 117 | STORAGE | 135 SF | 150 GROSS | 0 |
| 118 | CONFERENCE | 290 SF | 150 GROSS | 19 |
| 119 | OPEN PLAN | 600 SF | 150 GROSS | 4 |
| 120 | OFFICE | 136 SF | 150 GROSS | 1 |
| 121 | OFFICE | 134 SF | 150 GROSS | 1 |
| 122 | TOILET | 53 SF | 150 GROSS | 0 |

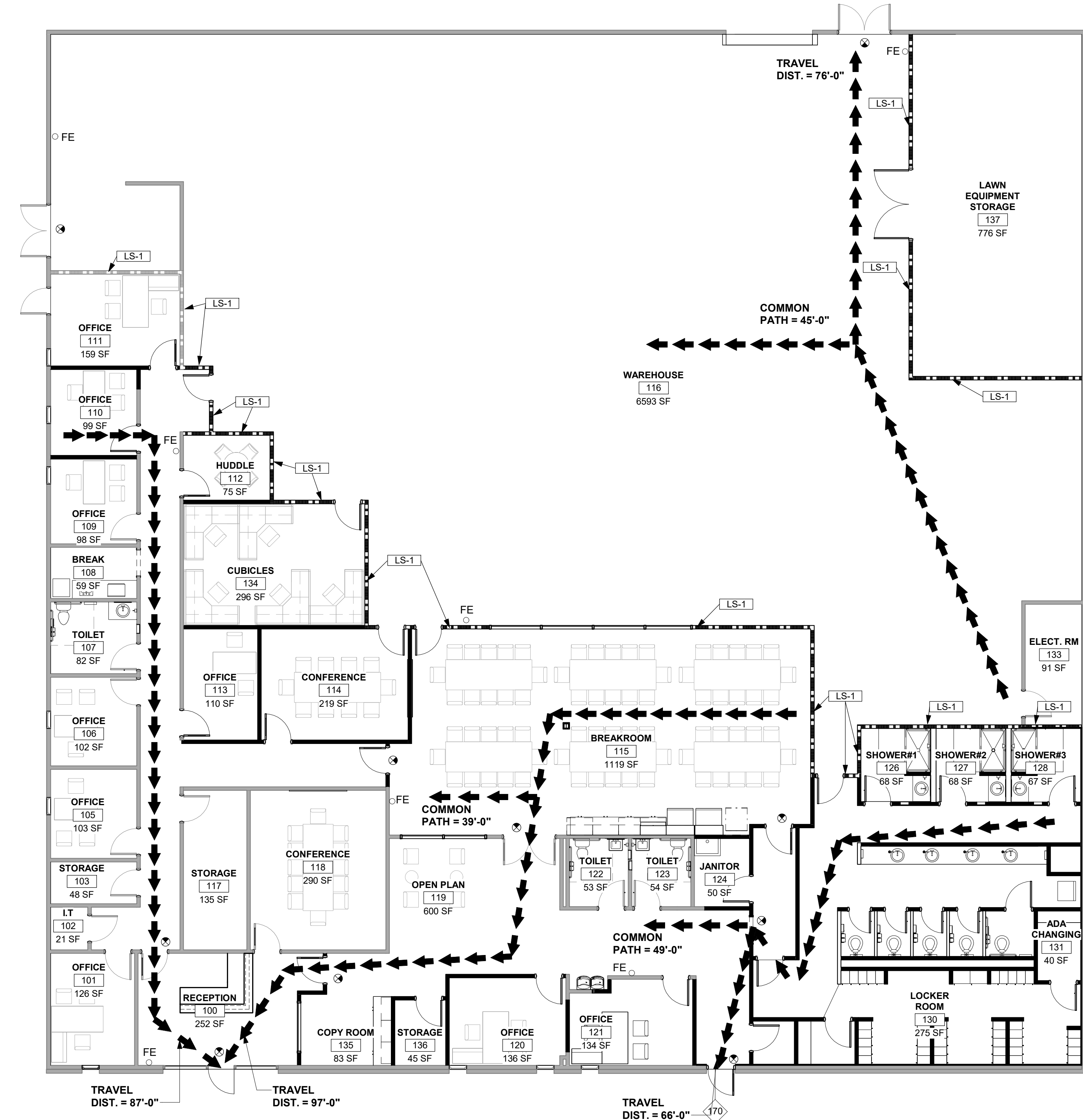
| L.S.C. 7.3.1.2. OCCUPANCY SCHEDULE | | | | |
|------------------------------------|------------------------|------------|----------------------|-----------------|
| ROOM # | ROOM NAME | AREA | OCCUPANT LOAD FACTOR | TOTAL OCCUPANTS |
| 123 | TOILET | 54 SF | 150 GROSS | 0 |
| 124 | JANITOR | 50 SF | 150 GROSS | 0 |
| 125 | STORAGE | Not Placed | 150 GROSS | 0 |
| 126 | SHOWER#1 | 68 SF | 150 GROSS | 0 |
| 127 | SHOWER#2 | 68 SF | 150 GROSS | 0 |
| 128 | SHOWER#3 | 67 SF | 150 GROSS | 0 |
| 129 | RESTROOM | Not Placed | 150 GROSS | 0 |
| 129 | RESTROOM | 460 SF | | |
| 130 | LOCKER ROOM | 275 SF | 150 GROSS | 0 |
| 131 | ADA CHANGING | 40 SF | 150 GROSS | 0 |
| 132 | CHANGING | Not Placed | 150 GROSS | 0 |
| 132 | CHANGING | 33 SF | | |
| 133 | ELECT. RM | 91 SF | 300 GROSS | 0 |
| 134 | CUBICLES | 296 SF | 150 GROSS | 2 |
| 135 | COPY ROOM | 83 SF | 150 GROSS | 1 |
| 136 | STORAGE | 45 SF | 150 GROSS | 0 |
| 137 | LAWN EQUIPMENT STORAGE | 776 SF | 300 GROSS | 0 |
| TOTAL: | | | | 117 |

| BUILDING DATA | |
|---|--|
| OCCUPANCY CLASSIFICATION: BUSINESS (LSC 6.1 & CHPT 39) GROUP B (IBC CHPT 302) | OCCUPANCY SEPARATIONS (NFPA TABLE 6.1.14.4.1): STORAGE, LOW AND ORDINARY HAZARD TO BUSSINES = 1HR. |
| TYPE OF CONSTRUCTION (IBC 602): RENOVATION OF EXISTING TYPE V-B, UNPROTECTED, UNSPRINKLERED | |
| BUILDING AREAS (IBC): GROSS AREA = 7,657 GSF | |
| BUILDING OCCUPANCY (LSC): BUSSINES AREA = 95 PERSONS STORAGE AREA= 22 PERSONS | |
| INTERIOR WALL AND CEILING FINISH REQUIREMENTS (IBC TABLE 803.9): EXIT ENCLOSURES AND EXIT PASSAGEWAYS B CORRIDORS C ROOMS AND ENCLOSED SPACES C | |
| OCCUPANCY SEPARATIONS (IBC TABLE 508.4): B TO B = 0 HRS | |

| APPLICABLE CODES | |
|--|--|
| 2018 INTERNATIONAL BUILDING CODE WITH GEORGIA AMENDMENTS (2020)(2022)(2024) | 2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH GEORGIA SUPPLEMENTS AND AMENDMENTS (2020)(2022) |
| 2018 INTERNATIONAL FIRE CODE WITH GEORGIA AMENDMENTS (2020) | 2018 NFPA 101, LIFE SAFETY CODE WITH GEORGIA CURRENT AMENDMENTS |
| 2018 INTERNATIONAL PLUMBING CODE WITH GEORGIA AMENDMENTS (2020)(2022)(2023) (2024) | 2019 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE WITH GEORGIA CURRENT AMENDMENTS |
| 2018 INTERNATIONAL MECHANICAL CODE WITH GEORGIA AMENDMENTS (2020)(2024) | 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKER SYSTEMS WITH GEORGIA CURRENT AMENDMENTS |
| 2018 INTERNATIONAL FUEL GAS CODE WITH GEORGIA AMENDMENTS (2020)(2022) | 2010 ADA STANDARDS, PER RULES AND REGULATIONS OF THE SAFETY FIRE COMMISSIONER 120-3-20A |
| 2020 NATIONAL ELECTRICAL CODE WITH GEORGIA AMENDMENTS (2021) | |

| LIFE SAFETY PLAN LEGEND | |
|--|--|
| SEPARATION PER IBC CHAPTER 5 EXISTING PARTITION NON-RATED PARTITION 1 HR-RATED PARTITION | OCCUPANCY LOAD FACTOR LSC 7.3.1.2 W/GEORGIA AMENDMENTS AREA SF / OCCUPANT LOAD FACTOR = OCCUPANCY COUNT (REFER TO PLANS FOR ROOM OCCUPANCY CALCULATIONS) ACCESSORY STORAGE AREAS, MECHANICAL, ELECTRICAL ROOMS = 300 GSF/PERSON ASSEMBLY (UNCONCENTRATED) NSF/PERSON = 15 BUSINESS AREAS NSF/PERSON = 150 |
| EXTINGUISHER LOCATION PER NFPA 10 O FE BRACKET MOUNTED FIRE EXTINGUISHER | ALLOWABLE DISTANCE PER LSC 12.2.6 TRAVEL DISTANCE LIMIT - MAX. 200 FT. UNSPRINKLERED COMMON PATH LIMIT - MAX. 75 FT. UNSPRINKLERED DEAD END LIMIT - MAX. 20 FT. UNSPRINKLERED PATH OF EGRESS WITHIN BUILDING TRAVEL DISTANCE & COMMON PATH (SEE NOTES ON PLANS) NUMBER OF EXITS PER IBC 1006 & LSC 7.4.1.2 00 ACTUAL EGRESS COUNT 00 EGRESS CAPACITY OF STAIR 00 EGRESS CAPACITY OF EXIT |
| CAPACITY PER LSC TABLE 7.3.3.1 STAIRS = 0.3"/PERSON DOORS = 0.2"/PERSON 32"W DOOR = 30" CLR = 150 CAPACITY 36"W DOOR = 34" CLR = 170 CAPACITY 42"W DOOR = 40" CLR = 200 CAPACITY 48"W DOOR = 46" CLR = 230 CAPACITY 68"W DOOR = 64" CLR = 320 CAPACITY 72"W DOOR = 68" CLR = 340 CAPACITY 96"W DOOR = 92" CLR = 460 CAPACITY | |
| DOORS PER IBC 1010.1 | |
| EXIT SIGNS PER IBC 1013 EXIT SIGNAGE (SHADING INDICATES FACE OF SIGN; ARROW SHOWN INDICATES DIRECTION) | |

| PLUMBING FIXTURE REQUIREMENTS (IBC 2902.01) | | | | | | | | |
|--|---|----------|---|----------|--------------------|----------|--------------|----------|
| OCCUPANCY | WATER CLOSETS | | LAVATORIES | | DRINKING FOUNTAINS | | SERVICE SINK | |
| BUSINESS | 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50 | | 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80 | | 1 PER 100 | | 1 | |
| STORAGE | 1 PER 100 (MALE) 1 PER 100 (FEMALE) | | 1 PER 100 | | 1 PER 1,000 | | 1 | |
| PLUMBING FIXTURE COUNT: (TOTAL OCCUPANCY 73) | | | | | | | | |
| OCCUPANCY | WATER CLOSETS | | LAVATORIES | | DRINKING FOUNTAINS | | SERVICE SINK | |
| BUSINESS 95 PERSONS | REQUIRED | PROVIDED | REQUIRED | PROVIDED | REQUIRED | PROVIDED | REQUIRED | PROVIDED |
| | M | F | UNISEX | M | F | UNISEX | 1 | 1 |
| | 1 | 1 | 7 | 1 | 1 | 6 | | |
| OCCUPANCY | WATER CLOSETS | | LAVATORIES | | DRINKING FOUNTAINS | | SERVICE SINK | |
| STORAGE 22 PERSONS | REQUIRED | PROVIDED | REQUIRED | PROVIDED | REQUIRED | PROVIDED | REQUIRED | PROVIDED |
| | M | F | UNISEX | M | F | UNISEX | 1 | 1 |
| | 1 | 1 | 7 | 1 | 1 | 6 | | |



1 LIFE SAFETY PLAN

SCALE: 1/8" = 1'-0"

ALPHA BLDG SET 06-24-2025



208 Pirkle Ferry Road, Suite C
Cumming, GA 30040



CHAMBLEE PUBLIC WORKS
OFFICE RENOVATION

CITY OF CHAMBLEE

3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

| PRINT RECORD | | |
|--------------|------------|----------------------|
| No. | DATE | DESCRIPTION |
| 1 | 01-31-25 | PLAN REVIEW COMMENTS |
| A | 02-04-2025 | ISSUED FOR BID |
| B | 02/21/2025 | ADDENDUM A |
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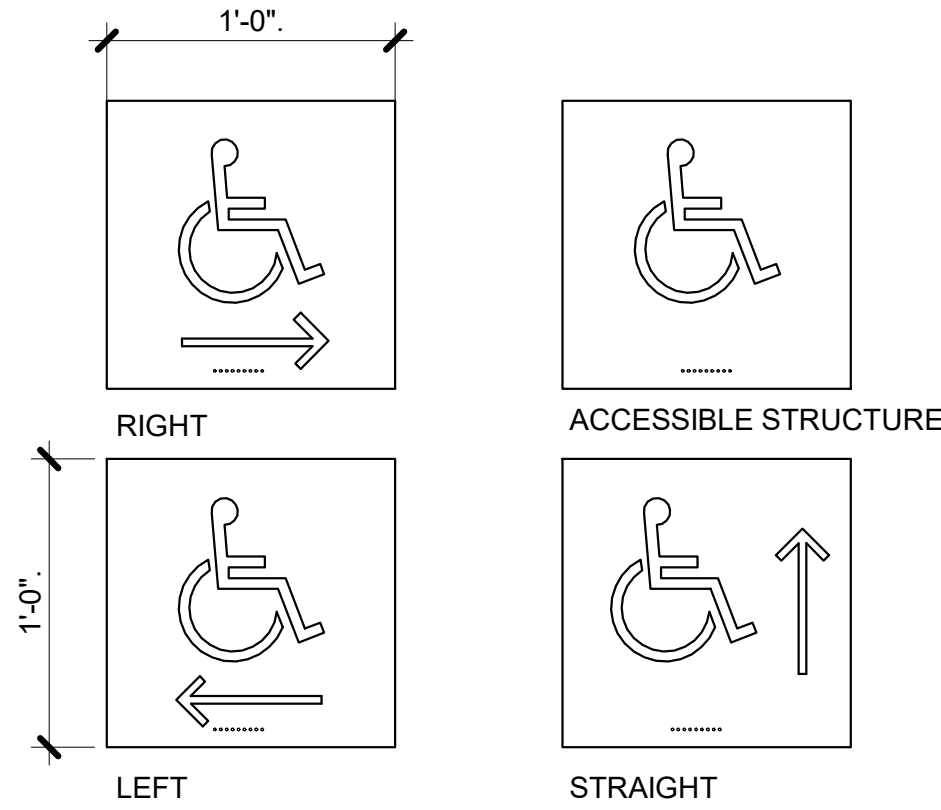
| | |
|-----------------------------------|--------------------------|
| Drawn By AM | Checked By JDC |
| Date 02/21/2025 | Job No. 24010 |
| Sheet Title LIFE SAFETY | |

Sheet No.

LS-1.01

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NOTE:
5/8"-2" UPPER CASE TEXT RAISED 1/32" IN SANS SERIF OR
SIMPLE SERIF TYPEFACE WITH GRADE II BRAILLE

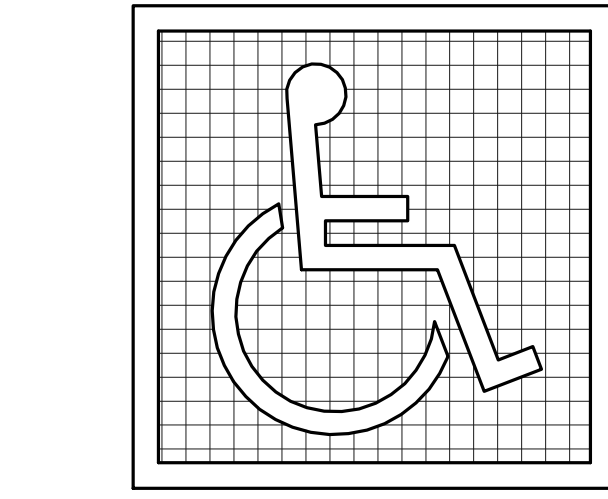
D1 DIRECTIONAL WALL SYMBOLS

NOT TO SCALE

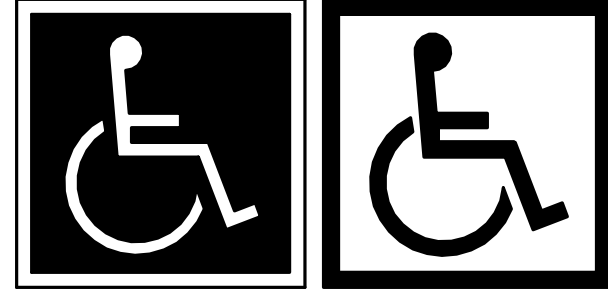
- CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE II BRAILLE.
- CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9mm) AND A MAXIMUM OF 2" (51mm) HIGH.
- FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH.
- PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.

ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPESTYLE TO TEST, BEGIN BY PRINTING THE LETTERS I, X AND O AT 1 INCH HIGH. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE X OR O, WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT SMALLER THAN 1 INCH, NOR NARROWER THAN THE 3:5 RECTANGLE TO DETERMINE IF THE STROKE OF THE I IS TOO BROAD, AND THE 1:10 RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE.

5. BRAILLE: GRADE II BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. SEE CHART FOR DIMENSIONS.



A. SYMBOL PROPORTIONS



B. DISPLAY CONDITIONS

NOTE:

SYMBOL SIZE SHALL BE AS SCHEDULED IN SIGN LAYOUT DIAGRAMS. STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10.

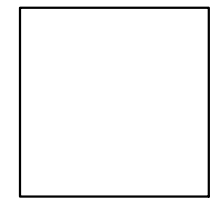
SIGN LETTERS/ NUMBERS WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10.

INTERNATIONAL ACCESSIBILITY SYMBOL

SCALE: 12" = 1'-0"

TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS

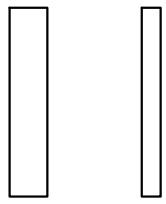
CHARACTER WIDTH



1:1
100%

3:5
60%

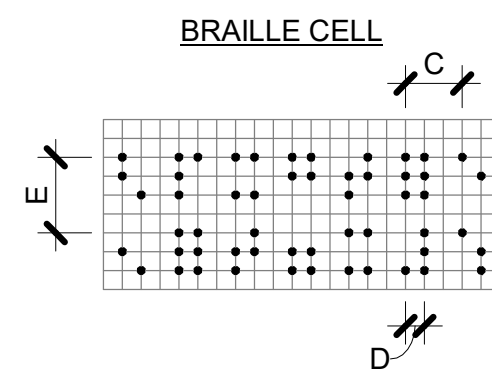
STROKE WIDTH



1:5
20%

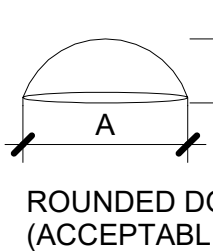
1:10
10%

| MEASUREMENT RANGE | MIN - MAX |
|---|-----------------|
| A: DOT BASE DIAMETER | 0.059" - 0.063" |
| B: DOT HEIGHT | 0.025" - 0.037" |
| C: DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS | 0.241" - 0.300" |
| D: DISTANCE BETWEEN DOTS IN THE SAME CELL | 0.090" - 0.100" |
| E: DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW | 0.395" - 0.400" |

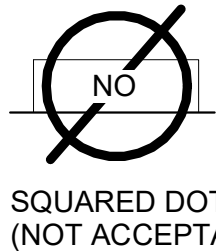


BRAILLE CELL

BRAILLE DOT



ROUNDED DOT
(ACCEPTABLE)



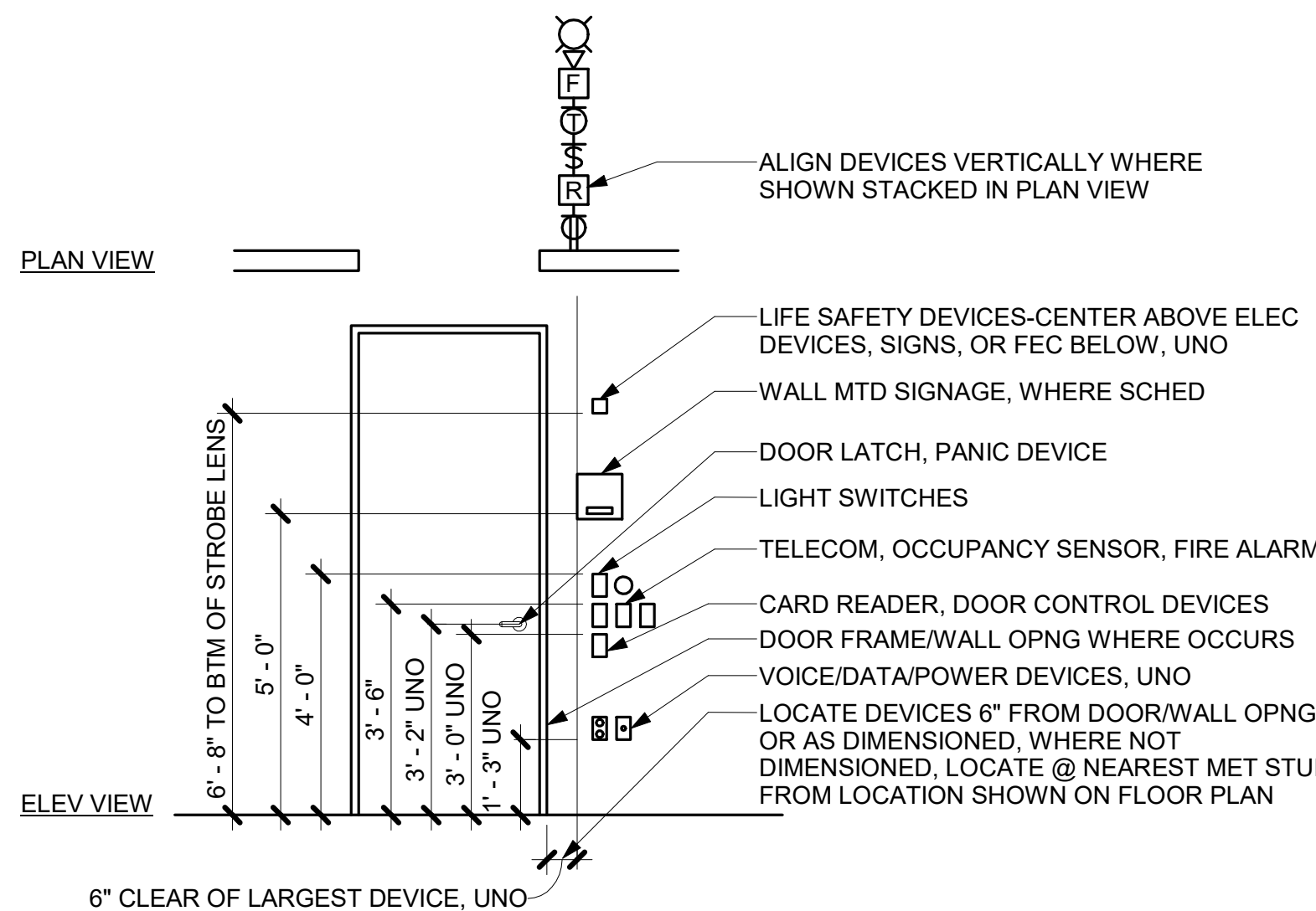
SQUARED DOT
(NOT ACCEPTABLE)

B1 BRAILLE REQUIREMENTS

SCALE: 12" = 1'-0"

D3 SIGNAGE MOUNTING REQMTS

SCALE: 1/2" = 1'-0"



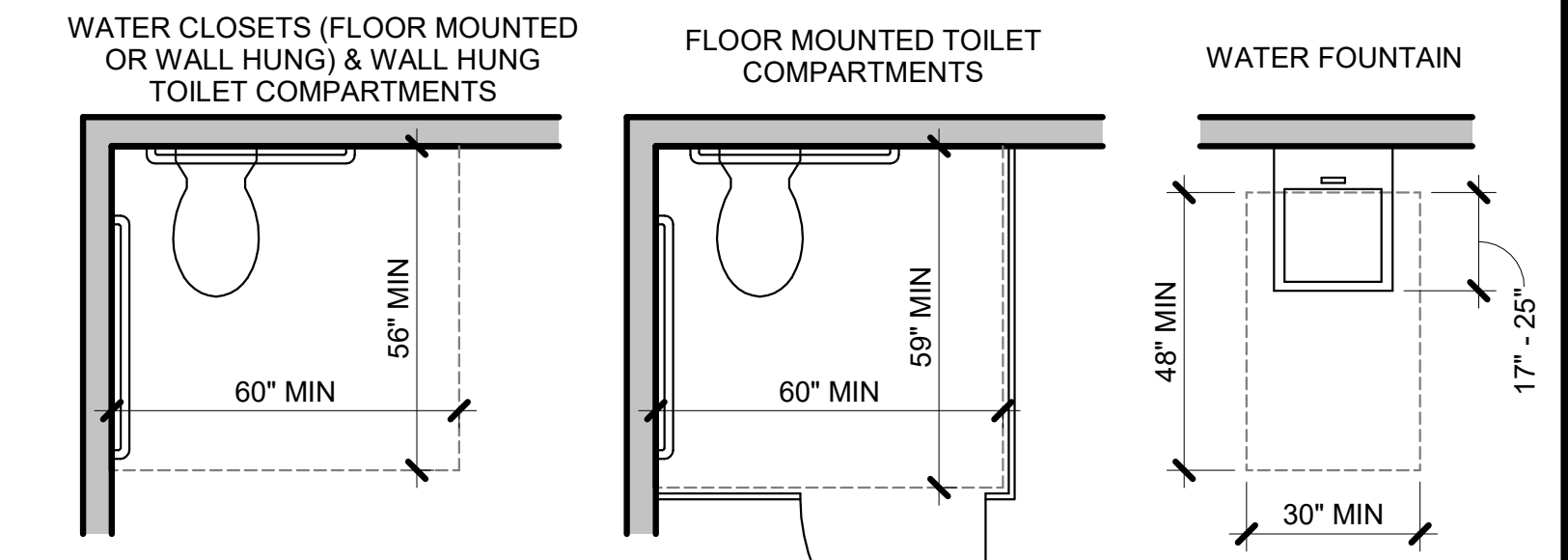
PLAN VIEW

ELEV VIEW

6" CLEAR OF LARGEST DEVICE, UNO

B3 DEVICE ALIGNMENT DIAGRAM

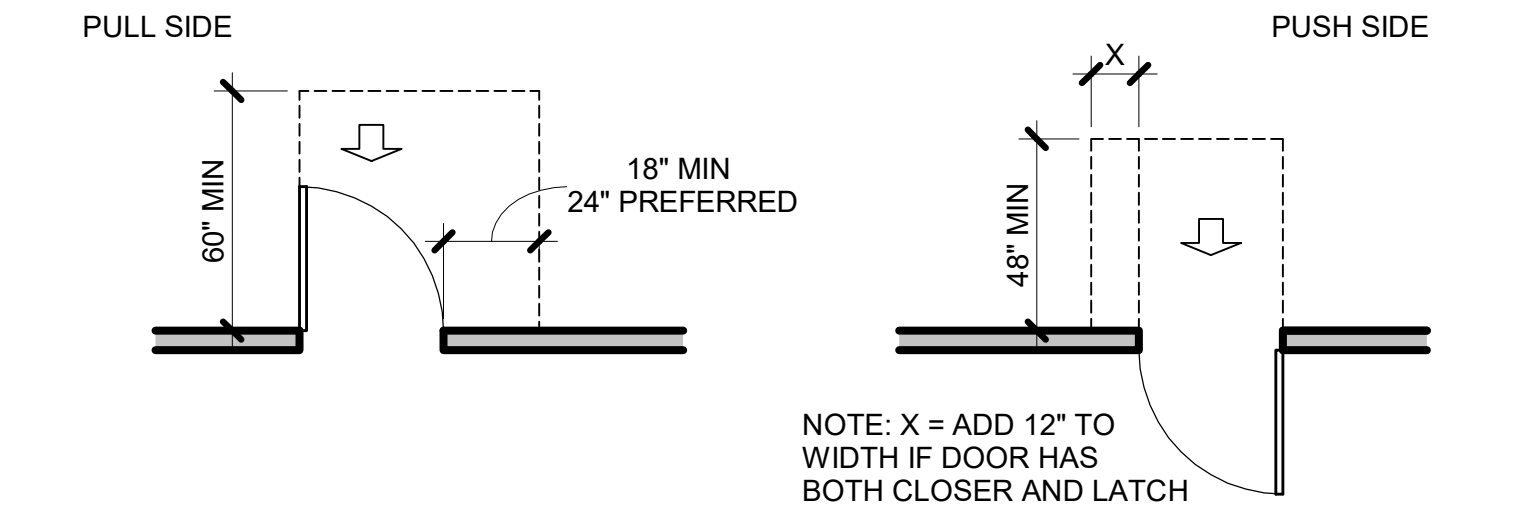
SCALE: 3/8" = 1'-0"



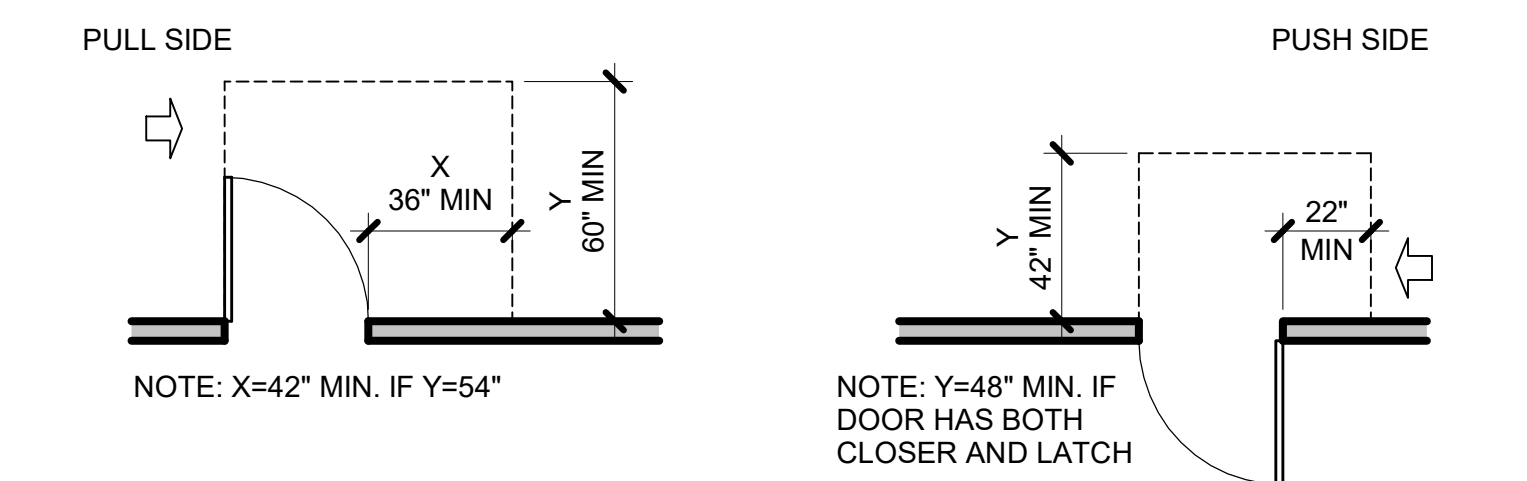
E5 ADA CLEARANCES

SCALE: 3/8" = 1'-0"

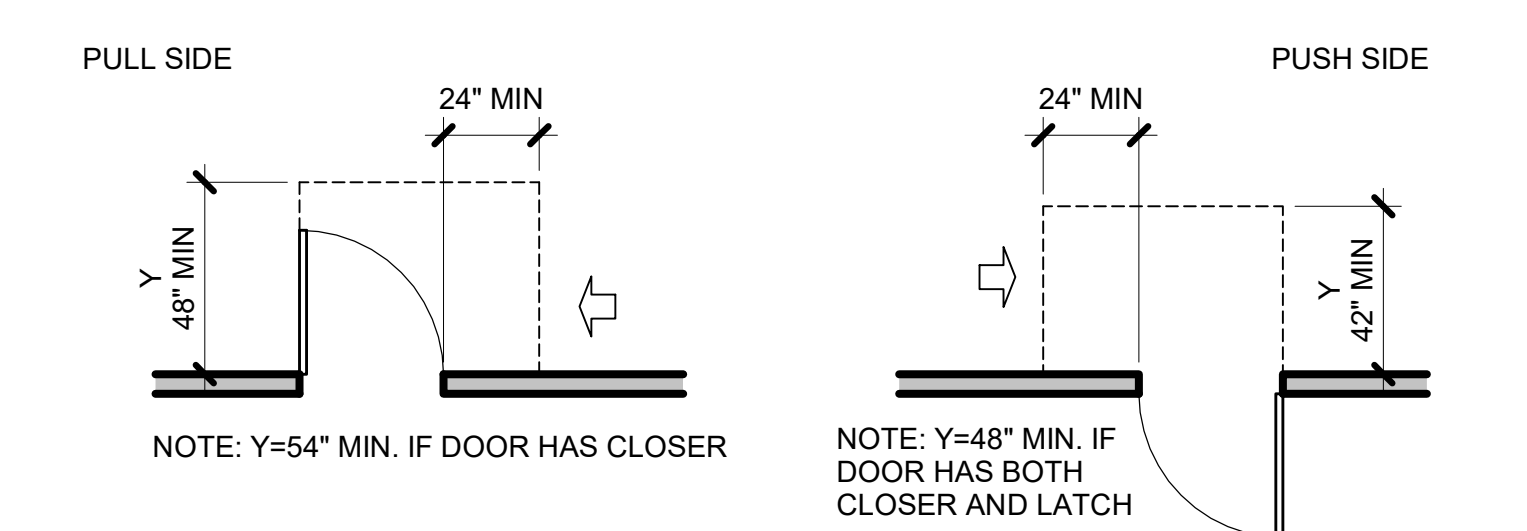
FRONT APPROACH



HINGE-SIDE APPROACH

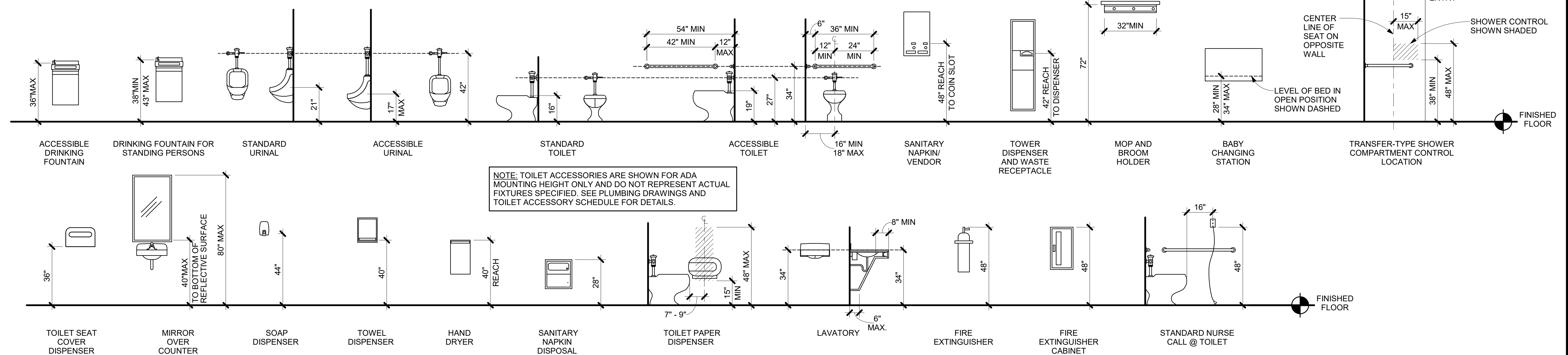


LATCH-SIDE APPROACH



B5 DOOR CLEARANCES

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



A1 MOUNTING HEIGHTS

SCALE: 3/8" = 1'-0"



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Cumming, GA 30040



CHAMBLEE PUBLIC WORKS OFFICE RENOVATION

CITY OF CHAMBLEE

3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

PRINT RECORD

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Drawn By AM Checked By JDG

Date 02/21/2025 Job No. 24010

Sheet Title
ADA REGULATORY
DETAILS &
DIAGRAMS

Sheet No.

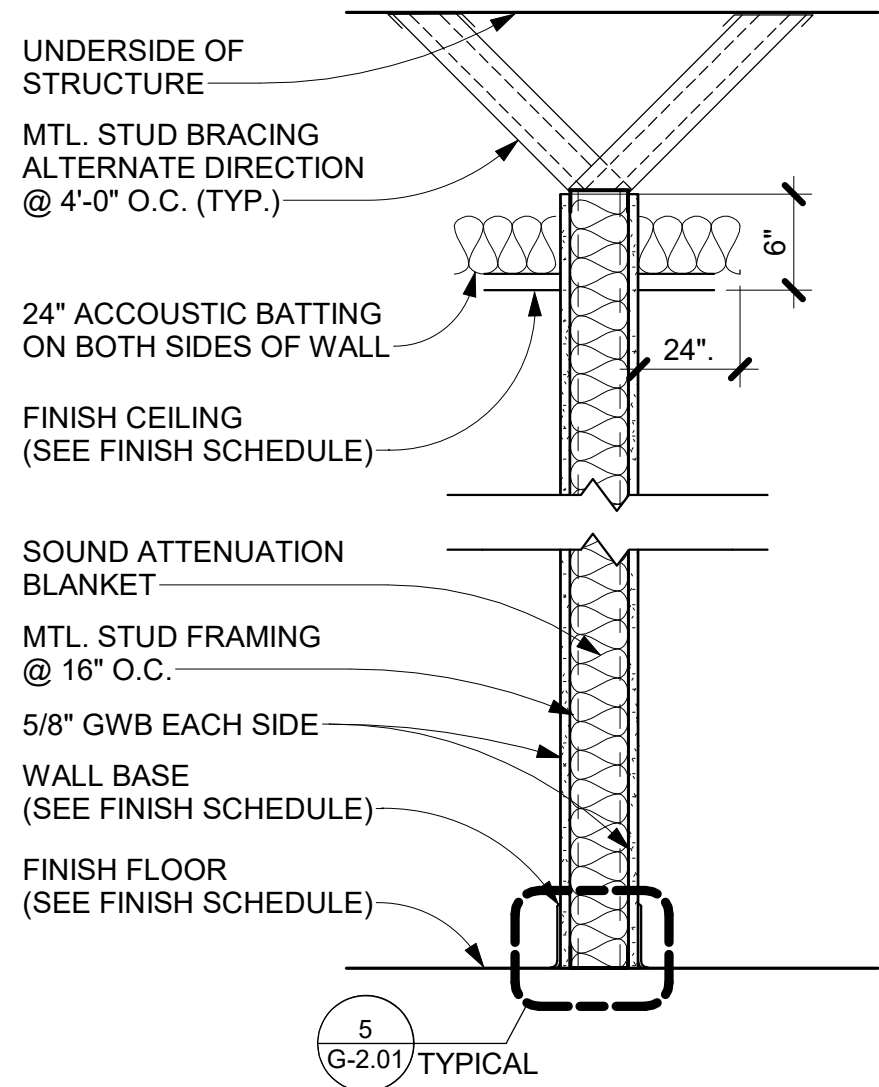
G-1.01

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2/21/2025 2:26:36 PM

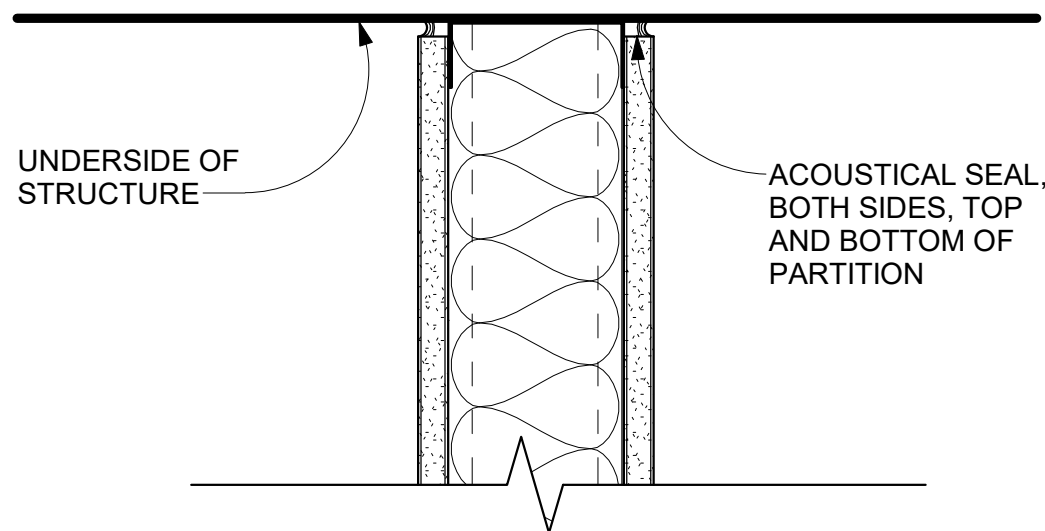
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| MTL. STUD PARTITION TO 6" ABOVE CEILING | | | | | |
|---|------------------|-------------|--------|-------|--|
| WALL TYPE | DESCRIPTION | FIRE RATING | U.L. # | STC | |
| A2 | 2 1/2" MTL. STUD | N/A | N/A | 48-55 | |
| A3 | 3 5/8" MTL. STUD | N/A | N/A | 48-55 | |
| A6 | 6" MTL. STUD | N/A | N/A | 48-55 | |

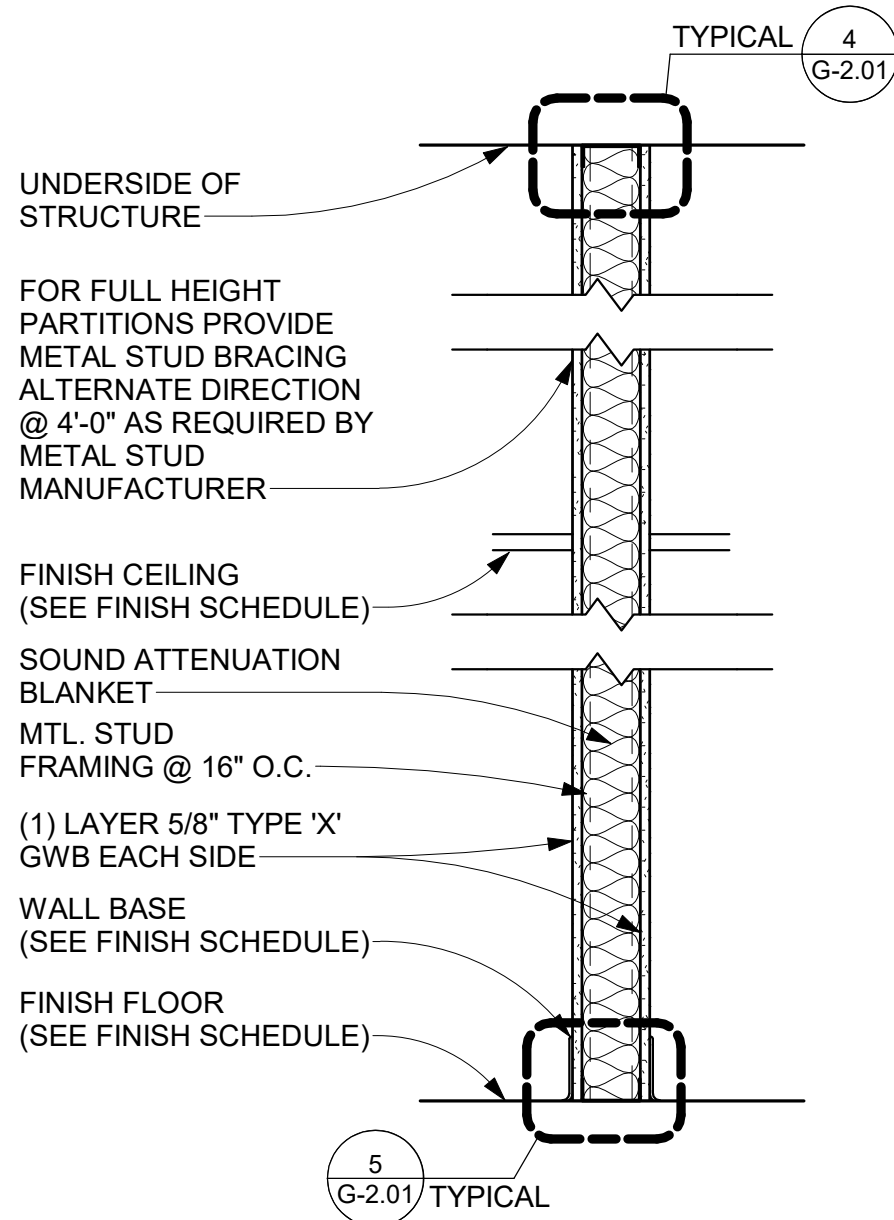
1 WALL TYPE A

SCALE: 1" = 1'-0"



4 HEAD OF WALL DETAIL

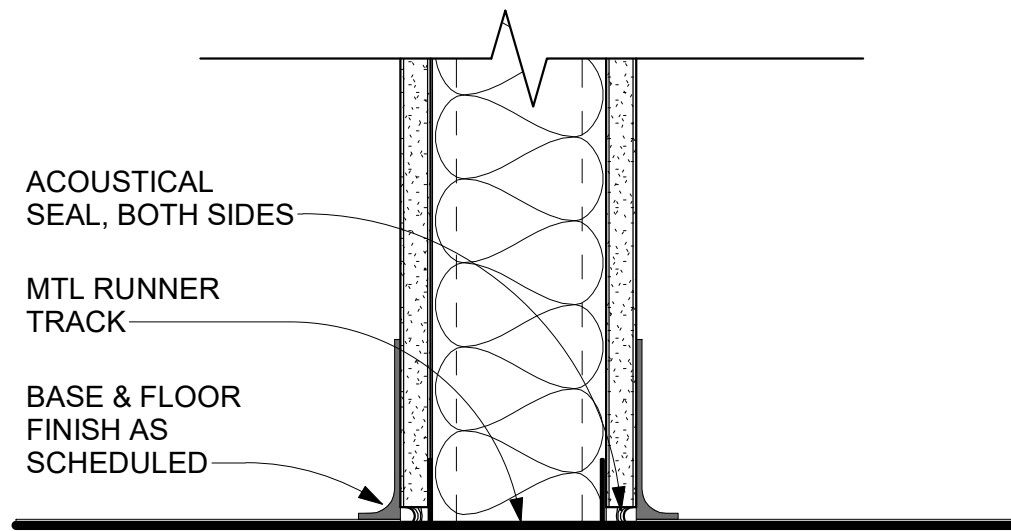
SCALE: 3" = 1'-0"



| MTL. STUD PARTITION / FIRE RATED | | | | | |
|----------------------------------|------------------|-------------|--------|-----|--|
| WALL TYPE | DESCRIPTION | FIRE RATING | U.L. # | STC | |
| E2 | 2 1/2" MTL. STUD | 1 HR | U419 | 47 | |
| E3 | 3 5/8" MTL. STUD | 1 HR | U419 | 49 | |
| E6 | 6" MTL. STUD | 1 HR | U419 | 49 | |

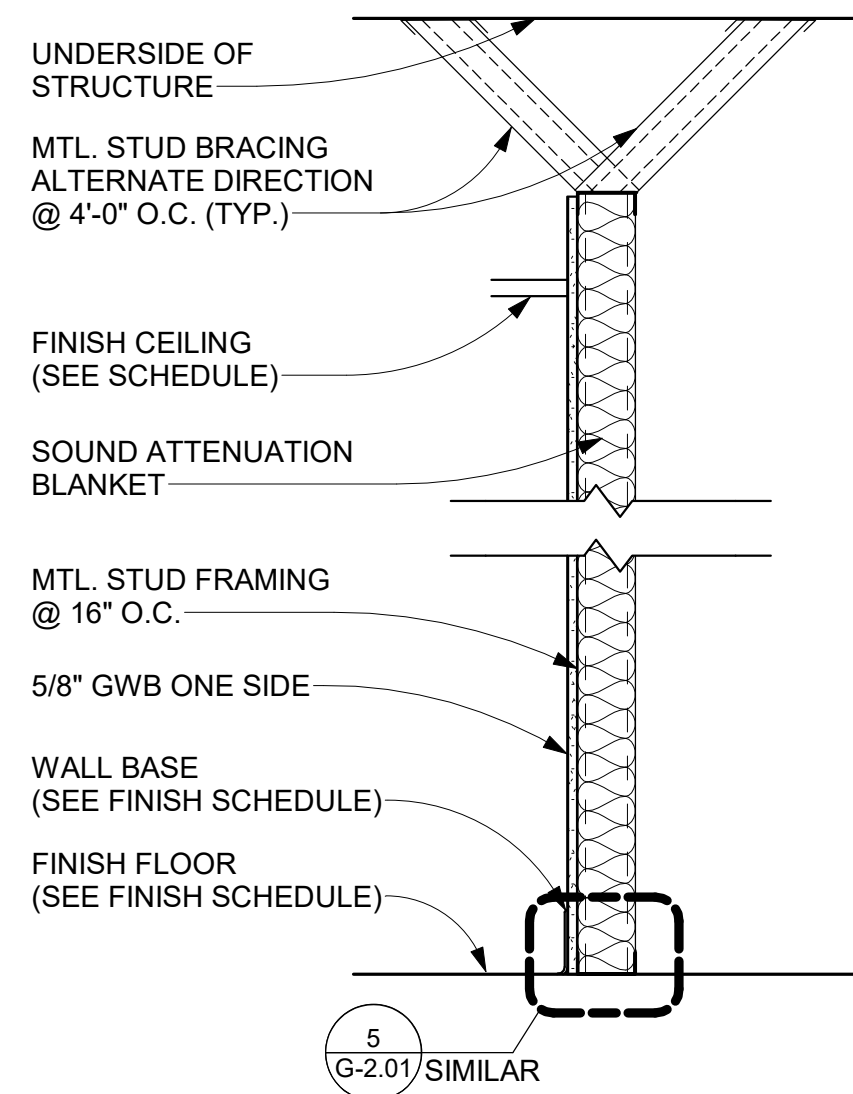
2 WALL TYPE E

SCALE: 1" = 1'-0"



5 BOTTOM OF WALL DETAIL

SCALE: 3" = 1'-0"



| MTL. STUD FURRING TO 6" ABOVE CEILING | | | | | |
|---------------------------------------|---|-------------|--------|-----|--|
| WALL TYPE | DESCRIPTION | FIRE RATING | U.L. # | STC | |
| H1 | 7/8" HAT CHANNELS (NO ACOUSTIC BATTING) | N/A | N/A | N/A | |
| H2 | 2 1/2" MTL. STUD | N/A | N/A | N/A | |
| H3 | 3 5/8" MTL. STUD | N/A | N/A | N/A | |
| H6 | 6" MTL. STUD | N/A | N/A | N/A | |

3 WALL TYPE H

SCALE: 1" = 1'-0"



CHAMBLEE PUBLIC WORKS
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CITY OF CHAMBLEE
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Drawn By: AM Checked By: JDG

Date: 02/21/2025 Job No.: 24010

Sheet Title: PARTITION TYPE

Sheet No.

G-2.01

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PROJECT SPECIFICATIONS

00 50 00 GENERAL CONDITIONS

"The General Conditions of the Contract for Construction", AIA Document A201, 2007 edition, of the American Institute of Architects, is made a part of these Contract Documents in its entirety.

01 20 00 PRICE AND PAYMENT PROCEDURES

A. Applications for Payment shall utilize AIA G702, "Application and Certificate for Payment" including required continuation sheets. Approved Schedule of Values shall be used in the same format and values.

B. Submit three copies of each application.

C. When Architect or Owner's Representative requests substantiating information, submit data justifying dollar amounts in question.

D. Submit to the Architect or Owner's Representative for review and approval a Schedule of Values, at least ten consecutive business days prior to submitting first Application for Payment, utilizing AIA Document G703, "Continuation Sheet".

E. Use Project Specification headings as basis for format for listing costs of work under Divisions 02 - 49. Additional breakdown of work in certain sections may also be provided or required if needed or requested by the Architect or Owner's Representative.

01 30 00 ADMINISTRATIVE REQUIREMENTS

A. Contractor shall schedule and administer pre-construction meeting, periodic progress meetings, and specially called meetings throughout the work progress.

B. In order to provide for a regular review and evaluation of the Work and a systematic discussion of problems, the Owner's representative, Architect (if included in CA scope) and General Contractor shall meet at a mutually agreed schedule during the construction period. Representatives of contractor, subcontractors, and suppliers shall attend on an as needed basis. Contractor shall prepare agenda for meetings, make physical arrangements, preside, record minutes, and distribute copies of minutes within three days to those in attendance, those affected by decisions, the Owner's Representative, and the Architect, if he is involved during the construction.

C. Owner and Architect may attend meetings to ascertain work is expedited consistent with Contract Documents and construction schedules.

D. The Contractor's relations with his subcontractors and materials suppliers and discussions relative thereto, are the Contractor's responsibility and will not be part of the project meeting content.

E. To the maximum extent practicable, meetings will be held at the job site.

F. Contractor shall apply Contractor's stamp, signed or initialed in blue ink, certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and contract documents.

G. Submit sufficient quantities of project data and shop drawings for Architect or Owner's Representative to retain two copies and for one copy to be retained by Contractor and turned over to the Owner at the completion of the Project.

H. Submit sufficient quantities of samples for Architect or Owner's Representative to retain one copy. Review of submittals is only for conformance with design concept of Project and information in Contract Documents.

I. Maintain an orderly file of submittals bearing the Architect's or Owner's Representative's review stamp for the Project duration at Project site and deliver to Owner as part of Project closeout documents.

J. Maintain at the site for the Owner, one record copy of drawings and specifications, addenda, change orders, construction change directives, approved shop drawings, product data, and samples, field test reports, and RFI documents.

K. Store in Contractor's field office in file cabinets or racks for storage of documents. Using record documents for construction purposes is prohibited. Label each document "PROJECT RECORD" in large printed and legible letters.

L. If applicable, on drawings legibly mark to record actual construction including depth of foundations, vertical and horizontal locations of underground utilities, field changes of dimension or detail, and any other changes including change orders.

M. It is the responsibility of the General Contractor to maintain the "as built" set of contract documents. These will serve as the as-built record recording all field built conditions and made part of the closeout package.

01 32 16 CONSTRUCTION PROGRESS SCHEDULE

A. Promptly after award of Contract, Contractor shall prepare and submit to Architect or Owner's Representative estimated construction progress schedules for construction activities.

B. A formal "Notice to Proceed" will be issued to mark commencement of project.

C. Progress schedules shall include complete sequence of activity, dates for beginning and completion of each element; show accumulated percentage of each item's completion and total percentage of work completed.

D. Submit initial schedule with 15 days of Contract award. Submit revisions as needed to show major changes in scope or other identifiable changes.

E. Contractor shall submit samples, shop drawings, and product data to Architect or Owner's Representative as required by the specification sections below.

01 40 00 TESTING LABORATORY SERVICES

A. If required for the project, the Owner shall employ and pay for services of independent testing laboratory acceptable to Architect or Owner's Representative to perform specified services and testing.

01 43 30 SPECIAL INSPECTIONS

A. If required for the project, the Owner will retain the services of a qualified licensed Architect or Engineer to serve as 'Special Inspector(s)' to perform inspections pursuant to the Statement of Special Inspections scheduled on the drawings. Approved Special Inspector(s) shall provide testing and verification reports to Owner, architect, building official, and structural engineer of record which indicate the inspected work was done in conformance with approved construction documents.

01 50 00 TEMPORARY FACILITIES, CONTROLS, AND UTILITIES

A. Temporary construction office - provide all temporary facilities as required to build this project with sufficient space for Contractor's personnel, telephone/fax, and office space complete with desk and layout board.

B. Temporary storage facilities - if required, provide with weathertight, secure storage sheds or trailers, type and size required for storage. Locate where directed by Owner. Owner is not responsible for securing the temporary storage facility and any theft or loss that may occur.

C. Electrical service – Terms to be discussed prior to execution of contact between Owner and General Contractor. Electrical for construction purposes may be obtained from Owner's present facility, coordinate with Owner's Representative. Provide temporary lighting for construction purposes as required by OSHA or local code.

D. Telephone/Wi-Fi/Fax - provide telephone, telephone message service, Wi-Fi and fax service to the temporary construction office.

E. Temporary heat and ventilation - Maintain spaces in range of 60o F to 80o F, unless product manufacturer for a particular product calls for more stringent requirements. Interior renovation within an existing building, maintain spaces in range of 60o F to 80o F, unless product manufacturer for a particular product calls for more stringent requirements.

F. Water service - Terms to be discussed prior to execution of contact between Owner and General Contractor. Water for construction purposes may be obtained from Owner's present facility, coordinate with Owner's Representative.

G. Sanitary toilet facilities - Provide and maintain temporary toilet facilities and enclosures for construction personnel. Using permanent new or existing facilities in the building is prohibited by construction personnel.

H. Project sign - order and erect or position sign as requested by Owner's Representative, or as indicated in the Construction Documents. Coordinate location with Owner's Representative.

01 60 00 PRODUCT REQUIREMENTS

A. Provide new products unless specifically required or permitted by Contract Documents.

01 70 00 EXECUTION AND CLOSEOUT REQUIREMENTS

A. Clean-up during construction - execute cleaning procedures to ensure building interior, project site, and adjacent properties are maintained free from construction debris and rubbish. Maintain site, both exterior and interior, in clean and orderly condition. Provide covered, on-site containers for waste collection.

B. Final cleaning - clean finish surfaces in accord with manufacturer's product data and requirements specified in sections not more than 48 hours prior to Date of Substantial Completion. Remove dust, debris, oils, stains, fingerprints, manufacturer's product labels and temporary labels from exposed interior and exterior finish surfaces, include washing and polishing interior and exterior glazing materials, vacuum carpeted and soft surfaces. Broom clean paved surfaces. Protect, maintain and clean inside of all HVAC supply and return ductwork free from dust and debris, and install new clean set of HVAC system filters not more the 48 hours prior to Date of Substantial Completion. Clean plumbing fixtures. Replace spent lamps and bulbs and clean lighting fixtures to "like-new" condition.

C. Submit operation and maintenance manuals - submit at issuance of Date of Substantial Completion or 15 days prior to final inspection whichever date is earlier. Submit in duplicate, in 8 1/2" x 11-inch format in D size ring binders with plastic Covers including an electronic version of all documents in PDF format on a CD. Internally divide with permanent page dividers logically organized. Include:

1. Part 1 - Directory: list names, addresses, telephone numbers of Architect, Contractor, subcontractors, major equipment suppliers, and local service for major equipment.

2. Part 2 - Operation and Maintenance Instructions: arrange by system further subdivided by specification section and include significant design criteria, equipment list, component parts list, operating instructions and maintenance instructions.

3. Part 3 - Project Documents and Certificates: include shop drawings and product data, air balance reports, certificates, and photocopies of warranties and bonds.

D. Certificates from governing code authorities/AHJ indicating construction has been inspected as required by laws or ordinances and building is approved for occupancy.

E. Warranties - Provide executed warranty in writing, indicate Date of Substantial Completion and warranty expiration date. Warranty period begins on Date of Substantial Completion and continues for one year unless otherwise indicated in individual specification sections or otherwise provided by individual manufacturers' warranties.

F. Record Documents - Provide set of Record Documents with final Application for Payment. This includes a scanned copy of the as-built set of contract documents identifying, including but not limited to, all Bulletins, RFI's Change Orders and field conditions.

G. Tools, equipment, spare parts, extra material, attic stock and related items as required in specification sections at final Application for Payment.

H. Fire extinguishers - Verify extinguishers are charged and ready for use, provide attached tag indicating date tested and by whom.

I. Keys - Construction keying shall be voided or change out cylinders that utilize construction keying. Deliver at Date of Substantial Completion to Owner's Representative keys with each tagged indicating lock which key operates. The Owner shall provide the General Contractor with Keying schedule unless directed otherwise by the Owner.

J. Maintenance training – provide a training class for each of the primary systems. Training class shall include Owner and/or Owner's designated representative. General Contractor shall video tape training class for archiving and reference by the Owner and/or Owner's designated representative.

FOR THE FOLLOWING MATERIAL SPECIFICATIONS, REFERENCE AND COMPLY WITH THE MANUFACTURER'S PRODUCT LITERATURE, SPECIFICATIONS, AND WRITTEN INSTRUCTIONS ON INSTALLATION UNLESS OTHERWISE NOTED.

02 41 00 BUILDING DEMOLITION

A. Comply with the most recent applicable codes for demolition of structures, safety of adjacent structures, noise control, and dust control. Obtain required permits, notify affected utility companies and comply with their requirements, conform to regulatory procedures when hazardous or contaminated materials are discovered, and do not close or obstruct roadways without permits.

B. Suspend operations immediately if hazardous or contaminated materials such as asbestos or polychlorinated biphenyl), not previously rendered harmless, are encountered, contact Architect and Owner in writing. Do not resume operations until directed, hazardous or contaminated materials have been rendered harmless, and conditions are agreed to by Owner and Contractor in writing.

C. Provide and maintain temporary barriers and security procedures as required to protect property and people and to meet the requirements of the General Conditions. Protect existing landscaping, appurtenances and structures that are not to be demolished. Prevent movement or settlement of adjacent structures. Provide bracing and shoring. Mark location of all utilities prior to proceeding with scope of work.

D. Minimize interference with adjacent structures and public or private access. Maintain protected egress and access at all times. Obtain written permission from adjacent property Owners when demolition equipment will traverse or infringe upon their property. Suspend operations immediately if adjacent structures appear to be in danger, contact Architect and authority having jurisdiction, do not resume operations until directed. Provide hoses and water connection to sprinkle demolition area with water to minimize dust. It is the sole responsibility of the General Contractor to confine dust and odors to construction area and quickly remediate any breeches in containment.

SECTION 04 22 00 POLISHED MASONRY VENEER

PART I – GENERAL

Provide Specific Product, No Substitutions. Verastone Plus filled and polished units are filled with a cementitious grout and polished smooth in a multi-stage polishing process. Both the ground face and filled and polished surfaces shall have a factory-applied heat-treated acrylic or water-based sealer finish. All units contain a manufacturer-approved integral water repellent CMU admixture at the time of manufacturing.

FIELD CONSTRUCTED MOCK-UPS: Construct a sample panel, no less than 6' x 4', of units to be used in the project. A full-size unit is required to illustrate color and texture for _____. This panel will represent both the quality of the product and the workmanship to be expected for the project. The panel must be approved by either the owner or architect for the project. Manufacturer will provide 4" units for a 4' by 4' sample panel at no cost for the material (excluding freight to site).

PART II– PRODUCTS
PRODUCT NAME: Verastone Plus MANUFACTURER

Northfield Block Company (800) 358-3003
3400 E. Bungalow Road, Morris, IL 60450

RELATED MATERIALS

Colored matching or contrasting mortar is available from manufacturer. Consult NCMA TEK Notes, available at EchelonMasonry.com, for mortar type and specifications. For all exterior mortar, use matching manufacturer approved water repellent mortar admixture following manufacturer's instructions.

SIZES AND SHAPES

All blocks are nominal 4"Dx12"Hx24"W

MASONRY CLEANERS

Carefully following manufacturer's instructions, use Burnished Custom Masonry Cleaner by PROSOCO (dilute 1 part to 3 parts clean water). DO NOT POWERWASH. CAUTION! Never use Muriatic Acid solution or any cleaner with an acid base on units.

PART III – EXECUTION

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. All exterior mortar shall include manufacturer approved matching water repellent additive added to each batch in the appropriate dosage rates for mortar type (M, S or N) per manufacturer's instructions. Refer to NCMA TEK Notes, available at EchelonMasonry.com, for hot and cold weather construction practices.

Lay units using the best concrete masonry practices. Install only quality units; reject all defective units as defined by ASTM C90. Lay blocks with the faces level, plumb and true to the line strung horizontally at the ground or filled and polished face. Units shall have uniform, 3/8"-wide joints both horizontally and vertically on the finished side of the wall.

Tool joints neatly after they are finger-hard to make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

INSTALLATION

Cutting: Minimize cut blocks

MORTAR BEDDING and JOINTING

1. Lay units with full mortar coverage on head and bed joints
2. Tool all mortar joints when thumbprint hard into a concave configuration.
3. Care should be taken to remove mortar from the face of masonry units before it sets.

NO RAKE JOINTS.

FLASHING of MASONRY WORK

Install flashing, weeps and reinforcing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices including above windows.

INSPECTION

The faces shall conform to the requirements of ASTM C90 when viewed from a distance of twenty (20) feet at right angles to the wall with diffused lighting.

CLEANING

Keep walls clean daily during installation using brushes, rags and the burlap squares supplied on the pallets. Do not allow excess mortar lumps or smears to harden on the finished surfaces.

FINAL CLEANDOWN

Clean the completed walls with PROSOCO Burnished Custom Masonry Cleaner (dilute 1 part to 3 parts clean water), strictly following the manufacturer's instructions – including thorough rinsing. Do not use acid or abrasives on the finished surfaces

DO NOT POWERWASH

FIELD COAT APPLICATION

For completely finished walls, a finish coat of TRENDCOAT Acrylic (minimum 20% solids content) or TRENDCOAT WB (water-base) is recommended. Apply to walls after cleandown and when the walls are dry. Apply the acrylic evenly to cover the entire surface without forming drips or runs. For maximum coverage and best appearance, apply with airless spray equipment.

MAINTENANCE

Properly installed and cleaned, units need virtually no maintenance other than routine cleaning (i.e. Pinesol or Fantastik). Graffiti, paint or dye stains may need special cleaning methods.

06 10 00 ROUGH CARPENTRY

A. Lumber shall be #2 Southern Pine or Western Lumber. Miscellaneous furring and nailers shall be utility grade Southern Pine. Nailers and blocking associated with roofing and flashing systems shall be preservative and fire-retardant treated. Exterior plywood shall be CC-EXT-APA, Group I. Interior plywood shall be A-D, INT-APA, Group 1. Fire-retardant-treated wood.

B. Provide concealed blocking, nailers, and supports for securing applied fixtures and fittings; specific items to be indicated on the drawings.

C. Provide concealed blocking, nailers, and supports for securing base cabinets and wall mounted cabinets to partitions. Reference drawings for locations of base and wall mounted cabinets.

D. Provide concealed blocking, nailers, and supports for securing video/t.v./monitors to partitions. Reference drawings for locations of wall mounted video/t.v./monitor locations.

E. Backboards at phone equipment shall be 3/4" fire treated plywood, painted face and all exposed edges. Sand, prime and ease all edges prior to painting.

F. Nailing schedule shall be in accord with current edition of International Building Code.

G. Install rough carpentry work cut square on bearings, closely fitted, accurately set to required lines and levels and secured in place. Brush apply preservative treatment to cut ends of treated lumber. Coordinate location of blocking and nailers with locations of finishing materials, fixtures, specialty items and trim. Install plywood with face grain perpendicular to supports. Terminate panels over supports, allowing 1/8" between end joints and 1/4" between edge joints for expansion and contraction.

06 20 00 FINISH CARPENTRY

A. Coordinate and install millwork provided by Tenant, and as indicated on drawings.

B. Installer must have a minimum of five years' experience in the same field and be able to demonstrate successful projects that meet the specified AWI grade.

C. Source Quality Control: Obtain materials for each type, including veneer doors, from a single manufacturer or source so as to ensure matching of quality, color, grain, and finish.

D. Quality standards for the following types of architectural woodwork, "Premium Grade" except as modified, as follows:

1. Standing trim, running trim, and rails: AWI Section 300, Custom Grade.
2. Architectural cabinets, laminate clad: AWI Sections 400 for Flush Overlay and 400B, Premium Grade.
3. Architectural cabinet tops: AWI Sections 400 for High Pressure Decorative Laminate tops and 400C, Custom Grade.
4. Shelving: AWI Section 600, Custom Grade.
5. Paneling: AWI Section 700.
6. Miscellaneous ornamental items: AWI Section 700.
7. Stile and rail doors: AWI Section 1400.
8. Factory Finishing: AWI Section 1500.
- 9.

E. Wood Treatment: Where fire-retardant treated woodwork is indicated, use approved fire-retardant treatment that will not adversely affect the desired finish and appearance.

F. Project Conditions: Stabilize humidity and temperature at normal operating Conditions at least seven (7) calendar days prior to installation and thereafter.

G. Installation: Meet AWI standards for quality standards and premium construction for tolerances. Scribe and cut work to fit adjoining work, refinish cut surfaces and repair damaged finish at cuts. Anchor casework to anchors or blocking built-in or directly attached to substrate. Secure to grounds, stripping, and blocking with countersunk concealed fasteners and blind nailing as required for a complete installation.

H. Lumber (Verify all species selections with drawings):

1. Exposed and semi-exposed painted millwork and trim: Custom Grade Poplar or Custom Grade White Pine, Kiln dried.

2. Interior standing and running trim: Custom Grade Poplar or Custom Grade White Pine, Kiln dried. Install in single, unjointed lengths for openings and runs less than 16'-0". Stagger joints in adjacent members. Cope at returns, miter at corners.

I. Hardware

1. Door and drawer pulls to be 4" matt nickel stainless steel.
2. Concealed hinges to be Grade 2 (Institutional duty), 170 degrees opening
3. Door and drawer locks: provide elbow catches on un-keyed leaf of pair of doors. If electronic push button, provide battery operated with low battery indicator.
4. Drawer Slides to be full extensions slides; 100lb per slide per standard drawer, 150lb per slide per standard file drawer and 250lb per lateral file drawer.
5. Shelf standards to be same color as cabinet interior.

J. Countertops shall have 1-1/2" radiused corners as indicated on drawings, U.N.O.

07 21 00 THERMAL INSULATION

A. Batt insulation shall be fiberglass batts width equal to framing spacing, kraft face, ASTM C665, Type II, Class C, 1.0 perm rating, R-13 in walls.

B. Rigid extruded polystyrene insulation shall be extruded, closed cell, CFC-12 free, polystyrene boards meeting ASTM C578, Type IV for use in perimeter and other applications, thickness 2" or as scheduled on drawings.

C. Safing Insulation – shall be unfaced, semi-rigid, 4 pcf minimum. Install in cavities of all floor-to-floor penetrations; include spaces around piping and duct penetrations. Foam saging may be used in lieu of safig insulation.

D. Sound insulation - refer to Section 09 21 16 Gypsum Board Assemblies.

E. Provide continuous 1/4" foam tape filler where walls meet window mullions. Provide double foam tape fill at demising wall between tenants, intersecting partitions and demising walls.

07 84 00 FIRE STOPPING

Fire stopping shall be single component self-adhering, flexible, water-tight, non-sag, elastomeric silicon or endothermic latex compound. Provide firestopping as required to maintain ratings at all penetrations through rated walls, partitions, floors and floor-ceiling assemblies. Fire-stopping to comply with Underwriters Lavatory testing numbers where apply.

07 90 05 SEALANTS AND CAULKS

Exterior joints and all other openings in the building shall be caulked, gasketed, weather-stripped, or sealed in an approved manner (ref. Georgia State Energy Code, Section 502.4). Seal all sound partitions with acoustical sealant at base, head, perimeter and all openings.

A. Silicone sanitary sealant, SSS-1, one-part silicone rubber, mildew and stain resistant, ASTM C920, Type S, Grade NS, Class 25. Use at plumbing fixture perimeters mounted on walls and top and edges of backsplashes at countertops.

B. Two-part non-sag polyurethane sealant, PSV2-1, two-part polyurethane based sealant with separate prepackaged color agent to achieve colors, ASTM C920, Type M, Grade NS, Class 25. Use at exterior and interior door and window frames perimeter.

C. Caulking compound for setting thresholds and for other interior caulking shall be an oleo-resinous, gun grade, non-staining plastic compound meeting Federal Specification TT-T-598. Material shall have shrinkage factor not exceeding 15%.

D. Acrylic-latex caulk, ALC-1, flexible paintable, non-staining, non-bleeding acrylic emulsion, ASTM C834. Use at interior non-working cosmetic joints between similar and dissimilar adjacent materials.

E. Butyl caulk, BC-1, one part butyl rubber caulk, ASTM C1085, black. Use continuous double bead at sill or threshold of exterior swinging doors.

F. Backer rod, compressible rod stock closed cell foam, open cell foam, soft cell foam, or neoprene foam, type recommended by sealant manufacturer for material compatibility and conditions encountered.

08 11 00 STEEL DOORS AND FRAMES

A. Exterior steel doors and frames to be Building Standard.

B. Materials include steel, ASTM A366, cold rolled steel sheet free of scale, pitting, or surface defects; exterior frames and doors, ASTM A525, zinc coated, coating designation G60; and primer, one coat manufacturer's standard baked-on enamel rust-inhibitive primer to pin hole free.

C. Frame construction shall be factory primed, pressed steel, frames for doors and other indicated openings. Exterior door frames shall be 16-gauge, face welded, seamless with joints filled and weather-stripping per Section 08710. Interior frames shall be knock down "KD" type frames, and 16-gauge. All frames shall have labels for labeled openings as required, with standard rubber, neoprene, or silicone silencers.

D. Provide manufacturer's standard frame anchors for attachment to studs at 20" o.c. max or fraction thereof on each jamb.

E. Door construction for exterior units shall be Grade II, Heavy Duty, seamless composite construction, 16-gauge material, with 20 PSI compressive strength foamed-in-place polyurethane core.

F. Submit manufacturer's product data and shop drawings indicating door and frame elevations, sections, materials, gauges, finishes, fabrication and erection details, location of finish hardware by dimension, and details of openings and louvers.

G. Provide metal drip at exterior door frames which have no alternative cover.

08 14 16 FLUSH WOOD DOORS

A. Industry standards are those of the National Wood Window and Door Association (NWWDA) and the Architectural Woodwork Institute (AWI). Fire-rated wood doors shall bear label of testing and approval by independent testing agency, having been tested in accord with UBC 7-2-1997 or UL 10-C for ratings indicated.

B. Wood doors shall be solid, particle board core, 1-3/4" thickness, meeting NWMA I.S.-1. minimum five-ply, 1-3/4" thickness. Core shall have min. 28 pcf density. Premium Grade, with "Plain-Sawn" White Oak" face veneers and edges; veneers book matched across door face; full length. Plastic laminate veneer doors shall consist of .050" high pressure decorative laminate. Conform to NEMA Standard LD-3-1980, Grade GP 50. Fire rated doors shall be rated as shown on the drawings, with factory installed labels. Fire rated doors shall have reinforced edges to accept full mortise hinges.

C. Execution: install doors in respective frames using specified hardware. Doors shall operate without binding or sticking at frames or floor. Maintain NWWDA and NFPA No. 80 standard tolerances.

D. Submit shop drawings indicating door species, finish, sizes, construction, and hardware locations.



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Cumming, GA 30040



CHAMBLEE PUBLIC WORKS
OFFICE RENOVATION

CITY OF CHAMBLEE

3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

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SPECIFICATIONS

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PART III – EXECUTION

- A. Take field measurements before fabrication where possible; do not delay job progress.
- B. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- C. Anchor securely in place; install plumb, level and in true alignment. Isolate dissimilar materials to prevent corrosion.
- D. Coordinate with glass and glazing work; install hardware and adjust for smooth, proper operation.
- E. Clean and protect completed system; repair damage.

08 31 00 ACCESS DOORS

- A. Non-rated flush type access doors with trimless frames for tile, walls and ceiling shall be Karp Associates Inc. or equivalent. The frame shall be 16 gauge steel, the door shall be 14 gauge steel with continuous piano hinge spring type closer. Provide a flush screwdriver operated locking, baked on enamel primer, size 8" by 8" minimum or as indicated on drawings.

- B. Fire-rated flush type access doors with trimless frames for tile, walls and ceiling shall be Karp Associates Inc. or equivalent. Match adjacent construction up to 1-1/2 hr. wall and 3 hr. ceiling. The frame shall be 16 gauge steel and the door shall be 14 gauge steel with a core of mineral-fiber insulation enclosed in sheet metal and a continuous piano hinge spring type closer. Provide a self-latching bolt operated by a flush screwdriver with interior release. Door to be baked on enamel primer and size 8" by 8" minimum or as indicated on drawings.

- C. Provide access doors at locations where access to Mechanical/Electrical/Plumbing valves, controls, filters and maintenance paths are required.

08 71 00 DOOR HARDWARE

- A. All exterior (if applicable) and interior doors shall comply with NFPA 101 Life Safety Code 2018 Edition and current Georgia Accessibility Code). Doors shall be provided with handicap accessible hardware including levers, panic hardware, u-shape designed devices, closers, etc.

- A. If applicable - building exterior or suite entry door, door hardware to be Building Standard.

- B. Interior door hinges, interior locksets and latchsets to be Building Standard or as directed by Owner, Hospital push/pull latches to be ABH Manufacturing or equal, interior door closers to be Building Standard, overhead door stop to be Glynn-Johnson, wall stops to be Burnes or equal.

- C. Flush bolts, door silencers, kick plates, armor plates and panic exit device to be Building Standard or as directed by Owner.

- D. Obtain each type of hardware from a single manufacturer. Hardware supplier shall be a recognized architectural door hardware supplier that employs an experienced architectural hardware consultant (AHC) who is available to Owner, Architect, and Contractor for consultation. Submit proposed hardware schedule developed by AHC organized into hardware sets for each door or opening to Owner's Representative for review and approval prior to ordering hardware.

- E. Material and finishes: Coordinators - 600 (USP), Other items 630 (US32D) or 626 (US26D) if not commercially available. Architect to select final color.

- F. Warranty door hardware for one-year period and door closers for ten-year period.

- G. Hinges, provide full mortise hinges, heavy duty ball bearing butts with non-rising stainless-steel pins, exterior doors non-removable pins, 4 1/2" by 4 1/2" unless otherwise required for proper operation, 3 hinges per door leaf minimum, Continuous hinge to be placed on doors 3'-6" wide and over door leafs. Aluminum hinge at all non-rated doors, stainless steel hinge at rated doors. Acceptable manufacturers are Hager Hinge Company, Lawrence Brothers, Stanley Works and Marker Products, 100/300 series.

- H. Lock cylinders and keying, supplier will meet with Owner to finalize keying requirements. Master key the locks to Owner's current or new system. Cylinders shall be manufacturer's standard 6-pin tumbler cylinders, constructed from brass/bronze, stainless steel or nickel silver. Furnish 2 change keys for each lock and 6 master keys.

- I. Locksets, latchsets, and specialty locks shall be Building Standard (unless directed by the Owner), heavy-duty commercial cylindrical type, 2 3/4" backset. Lever to be Building Standard (unless directed by the Owner). Furnish locksets and latchsets with sufficient strike lip to protect door trim.

- J. Surface mounted door closers shall be Building Standard. Provide closers as shown on door schedule. Powder coat finish to match adjacent door hardware.

- K. Stops and Holders: overhead door stop shall be Glynn-Johnson series 90 and/or 100, wall stop to be Burnes 565 and floor stop to be 535. Where practical use wall stops unless noted otherwise on drawings. Other acceptable manufacturers are Rockwood Manufacturing and H.B. Ives. Provide stops at all doors.

- J. Flush bolts shall have a 3/4" throw, complete with dust-proof bottom and top strike plate to be Building Standard (unless directed by the Owner).

- K. Kickplates shall be Rockwood Manufacturing, K1050 series. Kickplates shall not more than 1-1/2" less than door width on stop side and not more than 1/2" less than door width on pull side. Armor plates to be shall be Rockwood Manufacturing, K1050A-6 series.

- L. Thresholds shall be National Guard Products Inc., #425, extruded smooth mill finish. Other acceptable manufacturers are Reese and Zero Weatherstripping Company. Provide at all exterior doors.

- L. Weatherstripping shall be National Guard Products Inc., #133 SA door seals and #200SA door bottom seals. Other acceptable manufacturers are Reese and Zero Weatherstripping Company. Provide at all hollow metal exterior doors.

08 80 00 GLAZING

- Provide glazing systems capable of withstanding normal thermal movement and impact loads (where applicable) without failure, including loss or glass breakage attributed to the following: defective manufacture, fabrication, installation, failure of sealants or gaskets to remain watertight and airtight, deterioration of glazing material and other defects in construction.

- A. Clear wired glass: 1/4" thick polished both sides, diamond mesh and listed by U.L. as fire resistive.

- B. Fire rated clear glass: Thickness varies - see wall rating or door label for fire rating. Ultra-clear fire rated glass laminated with intumescent interlayer. Permanent U.L. label to be displayed.

- C. Clear float glass: 1/4" thick unless noted otherwise on the drawings, grade "B" fully tempered, style "I" uncoated.

- D. Glass shelving: 3/8" thick, grade "B" fully tempered, style "I" uncoated with eased and polished edges. See drawings for locations.

- E. Clear tempered float glass: 1/4" or 1/2" thick polishes sides; refer to drawings for thickness. Incorporate glazing tape, glazing compounds, setting blocks, spacers and glazing gaskets recommended or accepted by both the glass manufacturer and the manufacturer of the product into which the glazing product is to be installed.

- F. Mirrors: 1/4" thickness, unframed, edges polished.

- G. Provide setting blocks, jamb spacers, spacers, gaskets, glazing sealants and other accessories as required to complete installation.

09 21 16 GYPSUM BOARD ASSEMBLIES

- All gypsum board systems shall be in accordance with recommendations and instructions published by U.S. Gypsum Company's "Gypsum Construction Handbook", latest edition.

- A. Non-loadbearing metal framing materials: Metal framing shall be cold-rolled, galvanized steel studs and runners, stud gauge as required by manufacturer's product data for heights and conditions of use; maximum deflection of l/240; sizes indicated.

- B. Gypsum board: Exterior gypsum sheathing shall be moisture and fire-resistant type, thickness as indicated, with square edges. Standard gypsum board shall be 5/8" thickness, tapered edges. Fire retardant gypsum board shall be Type 'X', 5/8" thickness, tapered edges. Provide Dens-Shield DS012 gypsum board (or equal) at all non-tile wet walls. Provide Dens-Shield DS001 gypsum board (or equal) at all wet walls to receive ceramic tile. Minimize butt end joints, especially in highly visible locations. Use screws for attachment of all gypsum board.

- C. Acoustic ceilings: 6" x 20 GA metal joists, or as otherwise indicated on drawings at 16" o.c. with denim batt acoustic insulation. Sheath with 1/2" sound board with applied mass loaded vinyl sound barrier adhered with Green glue. Provide 3/4" gypsum wall board metal clips @ 16" on center, horizontal, screwed to mass loaded vinyl. Overlay with 5/8" gypsum wall board applied to clips, tape and spackle all joints. Finish with batt insulation and acoustical ceiling tile system as indicated on drawings.

- D. Acoustic partitions: 3 5/8" x 20 GA metal studs at 16" o.c. with denim batt acoustic insulation. Sheath with 1/2" sound board with applied mass loaded vinyl sound barrier adhered with Green glue. Provide 3/4" gypsum wall board metal clips @ 16" on center, horizontal, screwed to mass loaded vinyl. Overlay with 5/8" gypsum wall board applied to clips, provide level 5 finish.

- E. Joint tape, perforated type recommended for board type use. Joint compound, ready mixed tape embedment and topping compounds, type recommended for board type use.

- F. Sound Attenuation Blankets: for partition and ceiling cavities, sound blankets shall be unfaced mineral-fiber blanket insulation manufactured from slag wool or rock wool with thermosetting resins to comply with ASTM C665. Blankets shall have a minimum density of 2.5 pcf, 1-1/2" thickness.

- G. Tape fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes. Feather coats of joint compound so that camber is maximum 1/32 inch. Surfacing material to be U.S. Gypsum Company, Sheetrock First Coat.

- H. Accessories include corner reinforcement, Unimast Inc. SHEETROCK No. 800. Metal jamb, ceiling and casing "U" and "J" shaped trim providing edge protection and neat finished edges, Unimast Inc. SHEETROCK Trim No. 801 series. Resilient channel, Unimast Inc. RC-1 Resilient Channel, 25 gauge galvanized steel.

- I. Provide aluminum wall mullion end caps to match the color of existing window mullions where partitions terminate at window mullions.

- J. Install framing at indicated spacing, plumb and rigid in accord with ASTM C754. Apply wallboard and fasten at intervals recommended by wallboard manufacturer. Apply embedding, filing and finishing coats of joint compound to all joints, with joint tape in the embedding coat. Install sound attenuation blankets where indicated. Partitions receiving sound attenuation blankets shall have acoustical sealant around perimeter of partition and penetrations on both sides of partition.

09 31 10 Porcelain Tile

- A. Install porcelain tile per the TCA installation guidelines (Handbook for Tile Installation). Install tile only on sound substrates, maintaining exposed surfaces free of setting materials.

- B. Install expansion joints with sealant not less than 1/4 inch wide where tile work abuts restraining surfaces such as perimeter walls, curbs, columns, pipes, etc.

- C. Mortar shall be latex-portland cement for this setting and shall comply with ANSI A118.5. For tiles larger than 14 inch by 14 inch, shall be medium bed latex-portland cement for medium-setting and shall comply with ANSI A118.15.

- D. Grout (color as indicated on drawings or as selected by Architect):

1. Grout for porcelain tile shall be latex-modified cement, on accordance with ANSI A118.7

2. Epoxy grout where indicated on drawings and shall comply with ANSI 118.3.

- E. Wet Areas (refer to TCA Installation Guidelines):

1. General wet areas on elevated slabs: Membrane shall meet ANSI 118.10 and have a minimum thickness of 30 mil.

- D. Extra Materials: Furnish extra materials in fill-sized tiles matching installed tile in a quantity equal to 2% percent of the amount of each tile type installed.

- E. Lay out tile symmetrically in spaces. Fit tile closely at walls, fixtures and accessories. Install in accordance with applicable portions of ANSI A108. Provide a water-proof membrane under all elevated structured slab restroom ceramic tile floors. Lay out quarry tile symmetrically in spaces. Fit tile closely at walls, fixtures and accessories. Provide sealant joints at perimeter at rooms and at 16'-0" o.c. Install in accordance with applicable portions of ANSI A108 and TCA, Ceramic Tile Installation Handbook.

09 51 00 ACOUSTICAL CEILINGS

- A. Install acoustical tile ceilings in compliance with ASTM C636. Secure hanger wires to structure above with double saddle ties and limit to no more than 1/360 of span of members. Support free edges of ceiling tile with edge angles attached to suspension system.

- B. Standards
CLINIC: Acoustical ceiling panels shall be USG or Armstrong Ceilings, Non-directional fissured design, size 24" by 24", 5/8" thickness, tegular edges, color white; unless otherwise scheduled on drawings.

- ASC: Vinyl ceiling panels shall be USG or Armstrong Ceilings, Non-directional Smooth design, size 24" by 24", 5/8" thickness, square edge (non-tegular), color white; unless otherwise scheduled on drawings.

- C. Exposed ceiling suspension grid system shall be in heavy duty, 24" by 24" or 24" x 48" module as indicated on drawings, cold-rolled steel, electro-galvanized, double web, 15/16" flange width, 1-1/2" height main tees, with low gloss, white paint. Edge molding minimum 0.020" thickness steel with 3/4" flange width, hemmed edge.

- D. If applicable, Provide foam or neoprene spacers in space between top of partition and ceiling at ceiling height sound walls.

- E. Install acoustical tile and panel systems as indicated on drawings. Direct hang suspension systems from structure; hanger wires spaced at 4'-0" o.c. maximum, with additional hangers at ends of each suspension member. Space main tees at 4'-0" o.c. maximum, with cross tees spaced as required to form grids. Install wall moldings at vertical surfaces. Replace soiled or damaged panels. Provide additional support at unrestrained conditions and where structure spacing requires indirect hanging.

09 65 00 RESILIENT FLOORING

- A. Do not start work until work of other trades, including painting, has been substantially completed. Flooring shall be installed prior to the installation of millwork or casework.

- B. Resilient tile flooring materials shall be installed with adhesives, as recommended by the tile manufacturer, and in a manner to produce a smooth and even finished surface with tile in tight jointed accurately aligned manner. All in accordance with manufacturer's directions.

- C. Lay tile square with room axis, unless noted otherwise on the drawings. Lay edge tiles of same style as field with width varying to maintain full size tiles in field. Edge tiles shall not be smaller than half the width of the field tile.

- D. Just prior to final completion, apply wax as recommended by the manufacturer. Machine buff floors for final inspection.

- E. Extra Materials: Furnish not less than one box for each 40 boxes for each type, color, pattern and size installed. 1 less than 40 boxes installed, supply one box of each.

- F. Where rubber base is specified, only roll type is acceptable.

09 90 00 PAINTING

- See drawings for information. For purpose of establishing a quality standard, Sherwin-Williams Company (BOD) are herein specified.

- A. Tint prime coats to 1/3 shade of top coat.

- B. The number of coats specified are the minimum required. First coat to be primer, second and third coat to be finish coat. The surface of all materials that are to be painted shall be completely hidden. Coverage shall be complete and meet manufacturer's standards for finish.

- C. Doors and frames shall be sprayed, not rolled or brushed.

- D. Paint materials shall be applied in accordance with the manufacturer's directions on the container label. Materials shall be evenly spread and smoothly flowed-on without runs, sags, dry spray or other film defects.

- E. Extra Materials: Supply for each finish coating material, color and finish specified, one gallon of coating material, marked with color and finish identification.

10 25 00 WALL PROTECTION SYSTEM

- A. Products to be specified are by Construction Specialties unless noted otherwise.

- B. Corner Guards to be surface mounted consisting of snap-on plastic cover installed over continuous extruded aluminum retainer. Extruded plastic to be a minimum of 0.078-inch wall thickness. Mounting height shall start on top of base and continue up to 5'-0" aff.

- C. Chair rail to be extruded rigid plastic with a minimum of 0.078-inch wall thickness.

- D. Wall Protection Panels to be semirigid panel with a minimum sheet size of 48 inches by 96 inches by 0.040-inch sheet thickness.

10 28 00 TOILET AND BATH ACCESSORIES

- A. Products specified are Building Standard. Use ANSI Type 304 stainless steel for all parts except mounting kits for grab bars unless directed otherwise by Owner.

- B. Toilet and bath accessories schedule: as indicated on drawings.

- C. Submit catalog cuts and data sheets indicating size, material and finish, complete parts list, and installation procedures for each accessory.

10 44 00 FIRE PROTECTION SPECIALTIES

- A. Extinguishers shall be multi-purpose dry chemical extinguisher, ten lbs., UL rating 4A-60B:C, with bracket supporting extinguisher top and bottom, holding extinguisher off finished wall surface if not located in cabinet.

- B. Fire extinguisher cabinets shall be semi-recessed, sized to fit extinguishers, minimum 18-gauge steel cabinet, door and trim material, prefinished white painted. Door shall be duo vertical panel, with tempered glass, with full length piano hinge, roller catch, and pull, and lettering FIRE EXTINGUISHER in red pressure sensitive vinyl lettering running vertical.

- C. Locate at 48" AFF, one per every 75 linear feet of travel distance, one per every 3,000 SF, or per Fire Marshal's direction. Reference drawings for locations.

- D. All extinguishers in finished areas shall be set in cabinets.

DIVISIONS 21, 22, & 23 MECHANICAL AND ELECTRICAL

- A. See engineering drawings for specifications.

12 36 61 SOLID SURFACING COUNTERTOPS

- A. Composition: Acrylic resins, fire-retardant mineral fillers, and proprietary coloring agents. Through-the-body color for full thickness of sheet material. Material Thickness: 1/2 inch, nominal.Solid surfacing countertops. Solid surfacing sinks. Solid surfacing millwork and window sills.

- B. Field Measurements: Verify actual measurements and openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

- C. Product Data: Submit product data for each specified product. Include manufacturer's technical data sheets and published instruction instructions. 2. Submit Material Safety Data Sheets (MSDS) for adhesives and sealants.

- D. Shop Drawings: Submit fully dimensioned shop drawings showing countertop [and window sill] layouts, joinery, terminating conditions, substrate construction, cutouts and holes. Show plumbing installation provisions. Include elevations, section details, and large scale details.

- E. Samples: Submit selection and verification samples for each color, pattern, and finish required.

- F. Qualifications: Minimum of three years documented experience in fabricating solid surfacing countertops similar in scope and complexity to this Project. Currently certified by the manufacturer as an acceptable fabricator. 2. Installer Qualifications: Minimum of three years documented installation experience for projects similar in scope and complexity to this Project, and currently certified by the manufacturer as an acceptable installer. [Installer shall be the fabricator].

- G. Warranty Provide manufacturer's standard 10 Year Commercial Limited Warranty against defects in solid surface sheet materials.



208 Pirkle Ferry Road, Suite C
Cumming, GA 30040



CHAMBLEE PUBLIC WORKS
OFFICE RENOVATION

CITY OF CHAMBLEE

3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

PRINT RECORD

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Sheet Title
SPECIFICATIONS

Sheet No.

G-3.02

RELEASED FOR CONSTRUCTION

ALPHA BLDG SET 06-24-2025

CODE AND DESIGN CRITERIA

1. SUMMARY OF STRUCTURAL SCOPE OF WORK:
- NEW EXTERIOR WALL OPENINGS
 - NEW SLAB ON GRADE AT TRENCHING FOR NEW BELOW SLAB UTILITIES
2. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
- INTERNATIONAL BUILDING CODE, 2018 EDITION WITH GEORGIA STATE AMENDMENTS
3. STRUCTURE RISK CATEGORY
- RISK CATEGORY II
4. GRAVITY LOADS
- 4.1. UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
- PUBLIC ROOM 100 PSF
 - CORRIDOR — FIRST FLOOR 100 PSF
 - LOBBY 100 PSF
 - OFFICE 50 PSF
 - WAREHOUSE / LIGHT STORAGE 125 PSF
 - PARTITIONS 15 PSF (WHERE FLR LL < 80 PSF)
- 4.2. CONCENTRATED FLOOR LIVE LOADS (DISTRIBUTED OVER AN AREA OF 2-1/2 FEET X 2-1/2 FEET, UNLESS NOTED OTHERWISE):
- OFFICE BUILDING 2000 LB
 - WAREHOUSE / LIGHT STORAGE 2000 LB
- 4.3. UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
- ROOF 20 PSF
5. ROOF SNOW LOAD DATA (FOR REFERENCE — NO CHANGE TO ROOF CONSTRUCTION OR EXTENT)
- GROUND SNOW LOAD $P_g = 5$ PSF
6. ROOF RAIN LOAD DATA (FOR REFERENCE — NO CHANGE TO ROOF CONSTRUCTION OR EXTENT)
- 15-MINUTE DURATION / 100-YEAR RAINFALL $I_{15} = 7.0$ INCHES/HOUR
 - 60-MINUTE DURATION / 100-YEAR RAINFALL $I_{60} = 3.2$ INCHES/HOUR
7. WIND DESIGN DATA
- BASIC DESIGN WIND SPEED $V = 107$ MILES/HOUR
 - ALLOWABLE STRESS DESIGN WIND SPEED $V_{asd} = 83$ MILES/HOUR
 - WIND EXPOSURE EXPOSURE B
 - INTERNAL PRESSURE COEFFICIENT $G C_{pi} = +/- 0.18$
 - COMPONENTS AND CLADDING DESIGN WIND PRESSURES
 - ROOF
- ROOF WIND PRESSURES
- ZONE 1' 16 PSF / -16.3 PSF WHEN ZONE 1, 2 AND 3 DO NOT APPLY
 - ZONE 1 16 PSF / -28.4 PSF 12'-0" WIDTH INSET FROM ZONE 2
 - ZONE 2 16 PSF / -37.4 PSF 12'-0" WIDTH FROM ROOF EDGE IN EACH DIRECTION, EXCEPT WHERE ZONE 3 APPLIES
 - ZONE 3 26 PSF / -51.0 PSF 4'-0" WIDTH EXTENDING 12'-0" FROM A ROOF CORNER IN EACH DIRECTION
- WALLS
- ZONE 4 16.3 PSF / -17.6 PSF
 - ZONE 5 16.3 PSF / -21.7 PSF
- POSITIVE PRESSURES INDICATE WIND LOADING TOWARD THE SURFACE. NEGATIVE PRESSURES INDICATE WIND LOADING AWAY FROM THE SURFACE.
- COMPONENTS AND CLADDING WIND PRESSURES LISTED ABOVE ARE BASED UPON FIGURE 30.3-2A (ROOF) AND FIGURE 30.3-1 (WALL) OF ASCE 7-16 USING A WIDTH OF PRESSURE COEFFICIENT ZONE (a) OF 7'-6" AND AN EFFECTIVE WIND AREA OF 10 SQUARE FEET.
8. EARTHQUAKE DESIGN DATA
- SEISMIC IMPORTANCE FACTOR $I_e = 1.00$
 - MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS
 - 0.2-SECOND PERIOD $S_S = 0.192$
 - 1.0-SECOND PERIOD $S_1 = 0.087$
 - SITE CLASS SITE CLASS D (ASSUMED DEFAULT)
 - DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS
 - 0.2-SECOND PERIOD $S_{DS} = 0.205$
 - 1.0-SECOND PERIOD $S_{D1} = 0.139$
 - SEISMIC DESIGN CATEGORY SDC C
- EXISTING BUILDING
- BASED ON THE PROVISIONS OF CHAPTER 34 OF THE AMENDED INTERNATIONAL BUILDING CODE, STRUCTURAL ELEMENTS OF THE EXISTING STRUCTURE ARE NOT BEING ALTERED OR MODIFIED TO THE EXTENT REQUIRING THE EXISTING SEISMIC LATERAL FORCE RESISTING SYSTEM TO BE UPGRADED TO MEET THE PROVISIONS AND REQUIREMENTS OF THE CURRENT BUILDING CODE.
9. FUTURE STRUCTURE EXPANSION
- HORIZONTAL: NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL EXPANSION.
 - VERTICAL: NO PROVISIONS HAVE BEEN MADE FOR FUTURE VERTICAL EXPANSION.

GENERAL

1. NO PROVISION OF STANDARD SPECIFICATION, MANUAL, OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGN PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGN PROFESSIONAL OF RECORD OR ANY OF THE DESIGN PROFESSIONAL OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
2. THE CONTRACT DOCUMENTS INCLUDE BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
3. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR REFERENCE TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION, OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS UNLESS SPECIFICALLY STATED OTHERWISE.
4. THE CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI, OR OTHER STANDARDS, WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
6. THE CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING, AND CIVIL DOCUMENTS. THE DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION, FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE THE ARCHITECTURAL DRAWINGS.
7. THE CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, MEMBER SIZES, AND SITE CONDITIONS BEFORE STARTING WORK. THE DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.
8. THE CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DIMENSIONS AND WEIGHTS WITH THE VENDOR.
9. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DIMENSIONS, LOCATIONS, AND DEPTHS OF SLAB RECESSES WITH ARCHITECTURAL DRAWINGS, INTERIOR DRAWINGS, AND PRODUCT MANUFACTURERS.
10. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
11. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
12. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
13. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE USE OF CONSTRUCTION EQUIPMENT ON THE STRUCTURE. ANY DAMAGE CAUSED BY CONSTRUCTION EQUIPMENT SHALL BE REPAIRED.
14. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR UNLESS PROVIDED FOR IN THE CONTRACT OR AS AGREED TO BY THE DESIGN TEAM AND THE CONTRACTOR.

15. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS REQUIRED TO REVIEW SHOP DRAWINGS AND COORDINATE WITH OTHER TRADES BEFORE SENDING THE SHOP DRAWINGS FOR REVIEW BY THE DESIGN PROFESSIONAL.
16. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
17. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE LOCATIONS SPECIFICALLY INDICATED.
18. THE STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN AND CONNECTIONS OF DEFERRED DELEGATED DESIGN ITEMS OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS. DEFERRED SUBMITTALS SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT JURISDICTION.
19. DEFERRED DELEGATED DESIGN ITEMS / DEFERRED SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING UNLESS SPECIFICALLY NOTED OTHERWISE:
- SUPPORT AND FASTENING FOR MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS
 - SEISMIC BRACING FOR MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS
20. ITEMS OF ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING EQUIPMENT AND COMPONENTS INCORPORATED OR INSTALLED IN OR ON THE BUILDING SHALL BE FABRICATED AND INSTALLED TO RESIST VERTICAL LOADS AND LATERAL FORCES DETERMINED BY THE APPLICABLE BUILDING CODE. SEISMIC BRACING AND ANCHORAGE OF NON-STRUCTURAL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS IS REQUIRED BY THE APPLICABLE BUILDING CODE. THE STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OR REVIEW OF SEISMIC BRACING, RESTRAINTS, ANCHORAGE, AND CONNECTIONS FOR ARCHITECTURAL, ELECTRICAL, MECHANICAL, OR PLUMBING COMPONENTS IN THE STRUCTURE. THE DESIGN OF SEISMIC BRACING, RESTRAINTS, ANCHORAGE, AND CONNECTIONS FOR THESE COMPONENTS SHALL BE PROVIDED BY THE CONTRACTOR, VENDOR, OR AS INDICATED IN THE CORRESPONDING DISCIPLINE'S CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUBMIT CERTIFICATION DOCUMENTS OR SIGNED AND SEALED CALCULATIONS, AS INDICATED IN THE SPECIFICATIONS AND THE APPLICABLE BUILDING CODE, PROJECT-SPECIFIC DESIGN, DOCUMENTATION, AND MANUFACTURER'S CERTIFICATION SHALL BE AS REQUIRED BY THE APPLICABLE BUILDING CODE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

REINFORCEMENT

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
2. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A1064 IN FLAT SHEETS WITH MINIMUM 8 INCH SIDE LAPS AND END LAPS.
3. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT, WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
4. SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS. EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE DESIGN PROFESSIONAL.
5. ALL DOWELS AND TERMINATING BARS SHALL HAVE A STANDARD 90 DEGREE HOOK.
6. PROVIDE CORNER BARS AT INTERSECTIONS AND CORNERS OF WALLS AND FOUNDATIONS. CORNER BARS TO MATCH SIZE AND QUANTITY OF CONTINUOUS REINFORCEMENT AND PROVIDE A CLASS B LAP SPLICE.
7. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:
- 7.1. COVER OF CONCRETE NOT EXPOSED TO GROUND OR WEATHER:
- SLABS 3/4 INCH CLEAR
8. PROVIDE REINFORCING SUPPORTS AND CHAIRS FOR ALL DEFORMED BARS AND WELDED WIRE REINFORCEMENT IN ACCORDANCE WITH CRSI PLACING REINFORCING BARS.

CAST-IN-PLACE CONCRETE

1. CONCRETE WORK SHALL CONFORM TO ACI 301, ACI 318, AND CRSI STANDARDS.
2. CONCRETE SHALL BE THE FOLLOWING SPECIFIED PROPERTIES (MINIMUM EXPOSURE CLASS, MINIMUM 28 DAY COMPRESSIVE STRENGTH, AND MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIO):
- 2.1. NORMALWEIGHT STRUCTURAL CONCRETE:
- | ELEMENT | EXPOSURE CLASS | STRENGTH | W/C M |
|--------------------------------|----------------|----------|-------|
| INTERIOR GRADE-SUPPORTED SLABS | F0 S0 W0 C1 | 3000 PSI | 0.53 |
- DO NOT PLACE PIPES, CONDUITS, OR DUCTS INSIDE AND RUNNING PARALLEL TO BEAMS WITHOUT PRIOR AUTHORIZATION FROM THE STRUCTURAL DESIGN PROFESSIONAL.
4. PIPES, CONDUITS, OR DUCTS SHALL NOT EXCEED ONE-FIFTH OF THE SLAB OR WALL THICKNESS (INCLUDING CROSSINGS) UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DOCUMENTS OR APPROVED IN WRITING BY THE STRUCTURAL DESIGN PROFESSIONAL. PLACE ALL PIPES, CONDUITS, AND DUCTS IN THE MIDDLE THIRD OF THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED OTHERWISE IN THE STRUCTURAL DOCUMENTS. SEE THE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF SLEEVES, ACCESSORIES, ETC. CONDUIT IN COMPOSITE SLABS SHALL NOT EXCEED 3/4 INCH DIAMETER EMT AND SHALL NOT BE SPACED CLOSER THAN 12 INCHES.
5. REFER TO THE ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS, OR GROOVES REQUIRED TO BE ENCASED IN CONCRETE AND FOR THE LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.
6. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE STRUCTURAL DESIGN PROFESSIONAL. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.
7. DEFECTIVE AREAS IN CONCRETE, INCLUDING BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.016 INCH SHALL BE REPAIRED. THE EXTENT OF THE DEFECTIVE AREAS WILL BE DETERMINED BY THE DESIGN PROFESSIONAL.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING MATERIAL STANDARDS, UNLESS NOTED OTHERWISE.
- SQUARE AND RECTANGULAR TUBES (HSS) ASTM A500, GRADE C
 - CHANNELS ASTM A36
 - ANGLES ASTM A36
 - PLATES, RODS, AND CONNECTING MATERIALS ASTM A36
- BOLTS AND ANCHORS:
- 2.1. BOLTED CONNECTIONS SHALL BE TYPE N (BEARING TYPE WITH THREADS INCLUDED IN THE SHEAR PLANE) WITH MINIMUM 3/4 INCH DIAMETER, ASTM F3125, GRADE A325 BOLTS.
- 2.2. ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE 36 AND SHALL BE HEADED RODS OR THREADED RODS WITH A HEAVY HEXAGONAL NUT WELDED TO THE BOTTOM OF THE THREADED ROD, UNLESS NOTED OTHERWISE.
3. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO BOTH THE AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
4. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS FOR REVIEW BY THE STRUCTURAL DESIGN PROFESSIONAL.
- 4.1. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL DESIGN PROFESSIONAL.
- 4.2. THE STRUCTURAL DESIGN PROFESSIONAL SHALL BE COMPENSATED BY THE CONTRACTOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE CONTRACTOR.
5. USE PRE-QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PRE-QUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION.

WOOD

- PROVIDE THE FOLLOWING MINIMUM WOOD SPECIES AND GRADES (OR EQUIVALENT) FOR STRUCTURAL SOLID SAWN WOOD FRAMING ELEMENTS, UNLESS NOTED OTHERWISE. PROVIDE KD19 (19% MAX. MOISTURE CONTENT) OR LESS FOR ALL STRUCTURAL SOLID SAWN LUMBER.
- 1.1. SPRUCE-PINE-FIR (SPF), NO 2 OR BETTER, PER THE NDS, UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DOCUMENTS.
2. PROVIDE STRUCTURAL WALL, FLOOR, AND ROOF SHEATHING RATED BY THE AMERICAN PLYWOOD ASSOCIATION AND MEETING THE REQUIREMENTS OF DCC PS2 WITH EXPOSURE 1 BOND CLASSIFICATION, UNLESS NOTED OTHERWISE. SEE THE STRUCTURAL DOCUMENTS FOR THE MINIMUM REQUIRED PANEL THICKNESS AND SPAN RATING. ORIENT AND NAIL STRUCTURAL SHEATHING TO THE SUPPORTING MEMBERS AS NOTED IN THE STRUCTURAL DOCUMENTS. LAY PANELS WITH THE STRONG DIRECTION PERPENDICULAR TO SUPPORT FRAMING AND STAGGER THE PANEL JOINTS. PROVIDE 1/8 INCH GAP BETWEEN ENDS AND EDGES OF PANELS. THE MINIMUM THICKNESS MAY BE INCREASED TO SATISFY ARCHITECTURAL REQUIREMENTS.
- 2.1. FOR EXTERIOR WALL SHEATHING, PROVIDE A MINIMUM THICKNESS OF 15/32 INCH AND FASTEN TO WALL STUDS WITH HD GALVANIZED COMMON NAILS AT 6 INCHES ON CENTER AT EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
3. PROVIDE METAL WOOD CONSTRUCTION CONNECTORS TESTED AND QUALIFIED IN ACCORDANCE WITH ICC ES AC13, WITH A VALID ICC ES REPORT FOR STRUCTURAL WOOD-TO-WOOD CONNECTIONS UNLESS NOTED OTHERWISE. THE BASIS OF DESIGN MANUFACTURER FOR METAL WOOD CONSTRUCTION CONNECTORS IS SIMPSON STRONG-TIE. INSTALL ALL CONNECTORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE THE QUANTITY, TYPE, AND SIZE FASTENERS AS RECOMMENDED BY THE CONNECTOR MANUFACTURER. WHERE MULTIPLE FASTENER OPTIONS ARE GIVEN BY THE MANUFACTURER, PROVIDE THE OPTION REQUIRED TO ACHIEVE THE MAXIMUM RATED CAPACITY OF THE CONNECTOR.
4. PROVIDE COMMON WIRE NAILS CONFORMING TO ASTM F1667 UNLESS NOTED OTHERWISE ON THE CONTRACT DOCUMENTS OR RECOMMENDED OTHERWISE BY THE WOOD CONSTRUCTION CONNECTOR MANUFACTURER. NAILS MUST BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC ES AC11B AND WITH A VALID ICC ES REPORT. ALL NAILS SHOWN ON PLAN ARE "COMMON", UNLESS NOTED OTHERWISE. NAILS SHALL MEET THE FOLLOWING DIMENSIONAL REQUIREMENTS:
- | SIZE | DIMENSIONS |
|------|---------------------------------------|
| 6d | 0.113 INCH DIAMETER x 2 INCH LONG |
| 8d | 0.131 INCH DIAMETER x 2-1/2 INCH LONG |
| 10d | 0.148 INCH DIAMETER x 3 INCH LONG |
| 12d | 0.148 INCH DIAMETER x 3-1/4 INCH LONG |
| 16d | 0.162 INCH DIAMETER x 3-1/2 INCH LONG |
| 20d | 0.192 INCH DIAMETER x 4 INCH LONG |
| 30d | 0.207 INCH DIAMETER x 4-1/2 INCH LONG |
5. MANUFACTURE METAL WOOD CONSTRUCTION CONNECTORS FROM A CORROSION-RESISTANT METAL OR WITH A MINIMUM G90 GALVANIZED FINISH FOR UNTREATED LUMBER. MANUFACTURE METAL WOOD CONNECTORS FROM STAINLESS STEEL OR WITH A MINIMUM A166 GALVANIZED FINISH FOR PRESSURE-TREATED LUMBER. USE GALVANIZED NAILS IN PRESSURE-TREATED WOOD.
6. ANCHOR RODS FOR SILL PLATES SHALL CONFORM TO ASTM F1554, GRADE 36 AND SHALL BE HEADED RODS OR THREADED RODS WITH A HEAVY HEXAGONAL NUT WELDED TO THE BOTTOM OF THE THREADED ROD, UNLESS NOTED OTHERWISE.
7. PROVIDE PRESERVATIVE-TREATED WOOD FOR LUMBER IN CONTACT WITH CONCRETE OR MASONRY.
8. FASTEN STUD GROUPS AND BUILT-UP COLUMNS WITH TWO OR MORE STUDS TOGETHER PER THE DETAILS SHOWN ON THE STRUCTURAL DRAWINGS.
9. STORE WOOD ON SITE IN A DRY AREA ELEVATED ABOVE GRADE. PROTECT STORED WOOD AGAINST THE ELEMENTS.

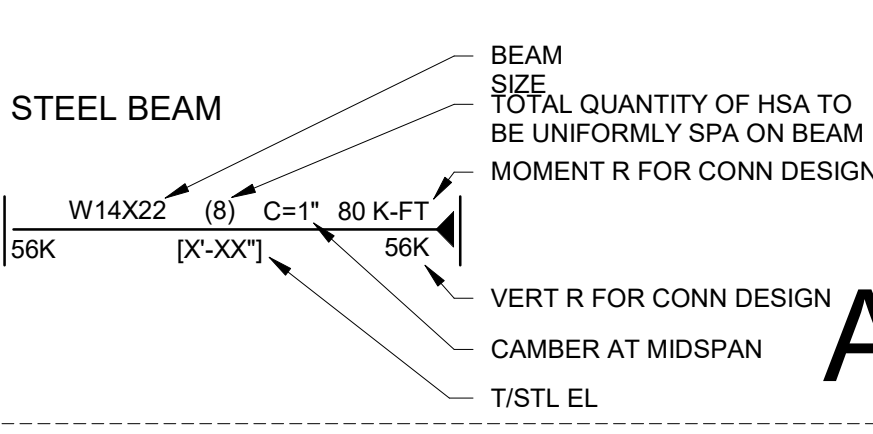
EXISTING CONSTRUCTION CONDITIONS

1. WORK WITH EXISTING STRUCTURES REQUIRES THOROUGH COORDINATION OF THE CONTRACT DOCUMENTS WITH EXISTING CONDITIONS. THE CONTRACTOR MUST VERIFY ALL RELEVANT EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, DETAILS, ETC., BEFORE THE START OF WORK. THE CONTRACTOR MUST REPORT ANY DEVIATIONS FROM CONDITIONS OR DIMENSIONS SHOWN ON THE CONTRACT DOCUMENTS TO THE ARCHITECTURAL DESIGN PROFESSIONAL AND THE STRUCTURAL DESIGN PROFESSIONAL TO REVIEW THE DESIGN AND FOR POSSIBLE REVISION OF THE CONTRACT DOCUMENTS. BEGINNING FABRICATION MEANS ACCEPTANCE OF EXISTING CONDITIONS.
2. THE NATURE OF STRUCTURAL DEMOLITION OR STABILIZATION IS INHERENTLY UNCERTAIN. THE EXACT CONDITION AND CAPACITY OF EXISTING STRUCTURAL ELEMENTS CANNOT BE VERIFIED BEFORE THE START OF WORK. IT IS IMPERATIVE TO REPORT ANY ELEMENT WITH QUESTIONABLE STRUCTURAL INTEGRITY TO THE ARCHITECTURAL DESIGN PROFESSIONAL AND THE STRUCTURAL DESIGN PROFESSIONAL FOR IMMEDIATE REVIEW.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL SHORING, BRACING, AND PROTECTION MEASURES NECESSARY TO SAFEGUARD AND MAINTAIN THE EXISTING STRUCTURE DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR THE SHORING, BRACING, AND PROTECTION OF THE EXISTING CONSTRUCTION FOR REVIEW BY THE DESIGN PROFESSIONAL. THE REVIEW OF THE SUBMITTAL BY THE STRUCTURAL DESIGN PROFESSIONAL IS ONLY FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. THE PLAN MUST INCLUDE THE PROPOSED CONSTRUCTION SEQUENCE, THE SHORING, BRACING, AND PROTECTION PLAN MUST BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE PROJECT JURISDICTION.
4. DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT, THE CONTRACTOR SHALL PROVIDE ADEQUATE FIRE PROTECTION TO THE EXISTING STRUCTURE AND CONTENTS.
5. THE EXISTENCE OF UNDERGROUND STRUCTURES AND UTILITIES IS NOT KNOWN. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE OWNER OR NECESSARY AUTHORITY AND LOCATING ALL UNDERGROUND STRUCTURES AND UTILITIES.

SPECIAL INSPECTIONS

1. THE STRUCTURAL TESTING/INSPECTION AGENCY WILL PERFORM SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE. MATERIALS AND WORK TO BE INSPECTED INCLUDE BUT ARE NOT LIMITED TO: CONCRETE, STEEL, AND WOOD CONSTRUCTION. SEE STATEMENT OF SPECIAL INSPECTIONS, SCHEDULE OF SPECIAL INSPECTIONS, SPECIFICATIONS SECTIONS, AND CHAPTER 17 OF THE BUILDING CODE (INCLUDING ASSOCIATED REFERENCES) FOR A COMPLETE LIST OF THE WORK REQUIRING STRUCTURAL SPECIAL INSPECTIONS.
2. SPECIAL INSPECTIONS, AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE, ARE REQUIRED FOR STRUCTURAL COMPONENTS AND ASSEMBLIES WHICH ARE NOT FABRICATED AT THE CONSTRUCTION JOB SITE, INCLUDING BUT NOT LIMITED TO FLOOR TRUSSES, ROOF TRUSSES, STEEL JOISTS, WOOD JOISTS, STRUCTURAL STEEL FRAMING, AND PRECAST CONCRETE JOISTS, BEAMS, COLUMNS, WALLS, AND CLADDING.
3. SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE MAY BE WAIVED FOR ITEMS WHICH ARE PRODUCED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTIONS. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS, AND BY PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE WHICH STATE THAT THE FABRICATION WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. THE PROJECT OWNER WILL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM THE INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE DURING CONSTRUCTION OF THE PROJECT. DOCUMENTATION THAT SUMMARIZES THE QUALIFICATIONS AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND THAT DEMONSTRATES COMPETENCE FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION SHALL BE SUBMITTED TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
5. APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE AND TO THE DESIGN PROFESSIONAL WHICH INDICATE THAT THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. A FINAL REPORT WHICH DOCUMENTS THE RESULTS OF THE SPECIAL INSPECTIONS PERFORMED, INCLUDING CORRECTION OF ANY DISCREPANCIES IDENTIFIED DURING INSPECTION, SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED BY THE CHIEF COMMERCIAL BUILDING INSPECTOR PRIOR TO CONSTRUCTION.

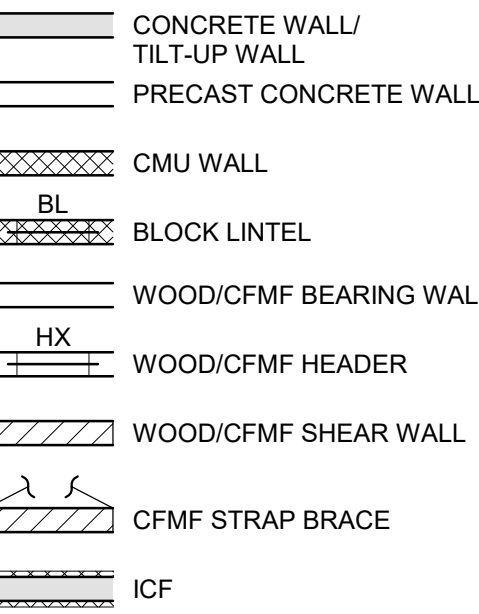
FRAMING SYMBOLS



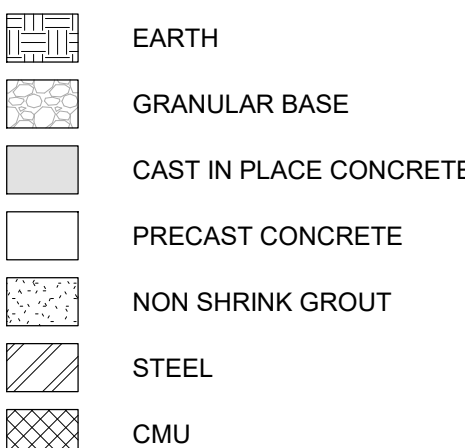
STRUCTURAL SHEET INDEX

DESIGN PARAMETERS AND GENERAL STRUCTURAL NOTES
STRUCTURAL SPECIAL INSPECTIONS
STRUCTURAL SPECIAL INSPECTIONS
STRUCTURAL PLAN
STRUCTURAL DETAILS

WALL LEGEND



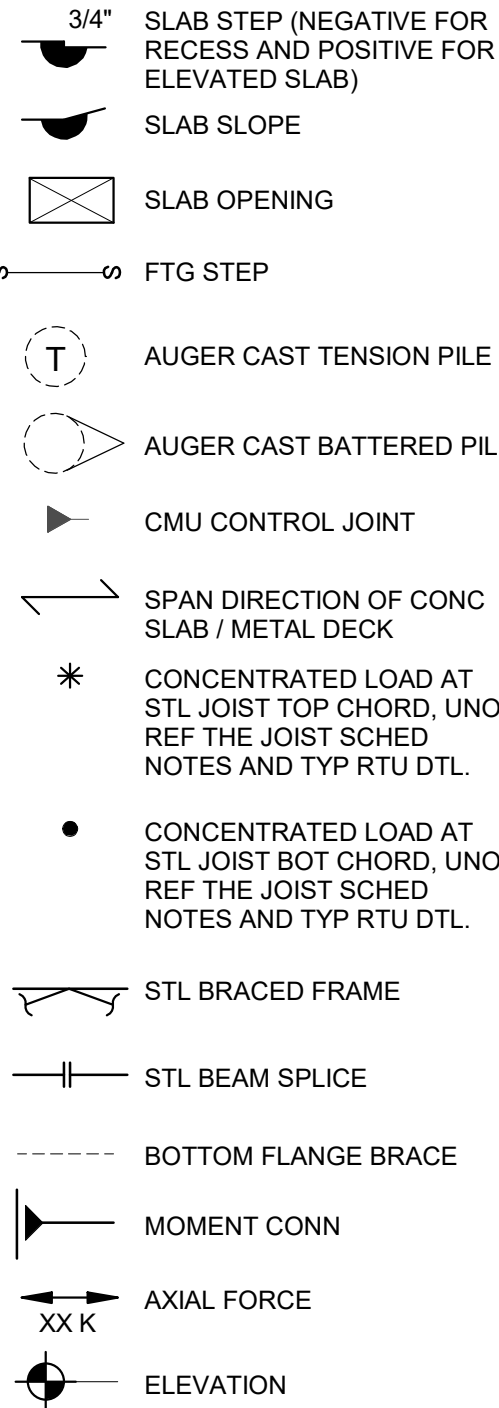
MATERIAL LEGEND



ABBREVIATIONS

| | | | |
|-------|---|--------|----------------------------------|
| ADDL | ADDITIONAL | JT | JOINT |
| AESS | ARCHITECTUALLY EXPOSED STRUCTURAL STEEL | K | KIPS |
| AFF | ABOVE FINISHED FLOOR | KSI | KIPS PER SQUARE INCH |
| ALT | ALTERNATE | LBS | POUNDS |
| AOR | ARCHITECT OF RECORD | LF | LINEAR FEET |
| ARCH | ARCHITECT / ARCHITECTURAL | LLH | LONG LEG HORIZONTAL |
| B/xx | BOTTOM OF xxx | LLV | LONG LEG VERTICAL |
| BFF | BELOW FINISHED FLOOR | LONG | LONGITUDINAL |
| BOT | BOTTOM | LW | LIGHT WEIGHT |
| BRG | BEARING | MAX | MAXIMUM |
| CFMF | COLD FORMED METAL FRAMING | MECH | MECHANICAL |
| CJ | CONTRACTION JOINT / CONTROL JOINT | MEP | MECHANICAL/ELECTRICAL/PLUMBING |
| CJP | COMPLETE JOINT PENETRATION | MFR | MANUFACTURER / MANUFACTURING |
| CL | CENTER LINE | MIN | MINIMUM |
| CLR | CLEAR | MISC | MISCELLANEOUS |
| COL | COLUMN | MS | MIDDLE STRIP |
| CONC | CONCRETE | N/A | NOT APPLICABLE |
| CONN | CONNECTION | NS | NOT IN CONTRACT |
| CONST | CONSTRUCTION | NTS | NEAR SIDE |
| CONT | CONTINUOUS | NW | NOT TO SCALE |
| COORD | COORDINATE | OC | NORMAL WEIGHT |
| CS | COLUMN STRIP | OF | ON CENTER |
| DBA | DEFORMED BAR ANCHOR | OC/xxx | OUTSIDE FACE OF xxx |
| DBE | DECK BEARING ELEVATION | OH | OPPOSITE HAND |
| DBL | DOUBLE | OPNG | OPENING |
| DEG | DEGREE | OPP | OPPOSITE |
| DIA | DIAMETER | PAF | POWER / POWDER ACTUATED FASTENER |
| DTL | DETAIL | PCC | PRECAST CONCRETE |
| DWG | DRAWING | PCF | POUNDS PER CUBIC FOOT |
| EA | EACH | PEMB | PRE-ENGINEERED METAL BUILDING |
| EE | EACH END | PJP | PARTIAL JOINT PENETRATION |
| EF | EACH FACE | PL | PLATE |
| EJ | EXPANSION JOINT | PLF | POUNDS PER LINEAR FOOT |
| EL | ELEVATION | PSF | POUNDS PER SQUARE FOOT |
| EMBED | EMBEDMENT / EMBEDDED | PSI | POUNDS PER SQUARE INCH |
| ENG | ENGINEER / ENGINEERING | PT | POST-TENSIONED |
| EOD | EDGE OF DECK | QTY | QUANTITY |
| EOR | ENGINEER OF RECORD | RD | ROOF DRAIN |
| EOS | EDGE OF SLAB | REF | REFER TO |
| EQ | EQUAL | REIN | REINFORCING / REINFORCEMENT |
| EQUIP | EQUIPMENT | REQD | REQUIRED |
| EW | EACH WAY | RO | ROUGH OPENING |
| EXIST | EXISTING | RTU | ROOF TOP UNIT |
| EXP | EXPANSION | SCHED | SCHEDULE |
| EXT | EXTERIOR | SDS | SELF-DRILLING SCREWS |
| F/xxx | FACE OF xxx | SF | SQUARE FEET |
| FD | FLOOR DRAIN | SIM | SIMILAR |
| FDN | FOUNDATION | SP | SPECIAL |
| FFE | FINISHED FLOOR ELEVATION | SPA | SPACE / SPACING |
| FLR | FLOOR | SPECS | SPECIFICATIONS |
| FS | FAR SIDE | SS | STAINLESS STEEL |
| FT | FEET | STD | STANDARD |
| FTG | FOOTING | STIFF | STIFFENER |
| FV | FIELD VERIFY | STL | STEEL |
| GA | GAUGE | STR | STRUCTURE / STRUCTURAL |
| GALV | GALVANIZED | SW | SHEAR WALL |
| GC | GENERAL CONTRACTOR | SYM | SYMMETRICAL |
| GYP | GYPSUM | T | TOP |
| HORIZ | HORIZONTAL | T/xxx | TOP OF xxx |
| HSA | HEADED STUD ANCHOR | TRANS | TRANSVERSE |
| IF | IN PLACE / IN PLACE FOR | TYP | TYPICAL |
| JBE | JOIST BEARING ELEVATION | UNO | UNLESS NOTED OTHERWISE |
| | | VERT | VERTICAL |
| | | W | WORK |
| | | WRR | WELDED WIRE REINFORCEMENT |

PLAN SYMBOLS



ABBREVIATIONS

| | |
|--------|----------------------------------|
| JT | JOINT |
| K | KIPS |
| KSI | KIPS PER SQUARE INCH |
| LBS | POUNDS |
| LF | LINEAR FEET |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LONG | LONGITUDINAL |
| LW | LIGHT WEIGHT |
| MAX | MAXIMUM |
| MECH | MECHANICAL |
| MEP | MECHANICAL/ELECTRICAL/PLUMBING |
| MFR | MANUFACTURER / MANUFACTURING |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| MS | MIDDLE STRIP |
| N/A | NOT APPLICABLE |
| NS | NOT IN CONTRACT |
| NTS | NEAR SIDE |
| NW | NOT TO SCALE |
| OC | NORMAL WEIGHT |
| OF | ON CENTER |
| OC/xxx | OUTSIDE FACE OF xxx |
| OH | OPPOSITE HAND |
| OPNG | OPENING |
| OPP | OPPOSITE |
| PAF | POWER / POWDER ACTUATED FASTENER |
| PCC | PRECAST CONCRETE |
| PCF | POUNDS PER CUBIC FOOT |
| PEMB | PRE-ENGINEERED METAL BUILDING |
| PJP | PARTIAL JOINT PENETRATION |
| PL | PLATE |
| PLF | POUNDS PER LINEAR FOOT |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PT | POST-TENSIONED |
| QTY | QUANTITY |
| RD | ROOF DRAIN |
| REF | REFER TO |
| REIN | REINFORCING / REINFORCEMENT |
| REQD | REQUIRED |
| RO | ROUGH OPENING |
| RTU | ROOF TOP UNIT |
| SCHED | SCHEDULE |
| SDS | SELF-DRILLING SCREWS |
| SF | SQUARE FEET |
| SIM | SIMILAR |
| SP | SPECIAL |
| SPA | SPACE / SPACING |
| SPECS | SPECIFICATIONS |
| SS | STAINLESS STEEL |
| STD | STANDARD |
| STIFF | STIFFENER |
| STL | STEEL |
| STR | STRUCTURE / STRUCTURAL |
| SW | SHEAR WALL |
| SYM | SYMMETRICAL |
| T | TOP |
| T/xxx | TOP OF xxx |
| TRANS | TRANSVERSE |
| TYP | TYPICAL |
| UNO | UNLESS NOTED OTHERWISE |
| VERT | VERTICAL |
| W | WORK |
| WRR | WELDED WIRE REINFORCEMENT |



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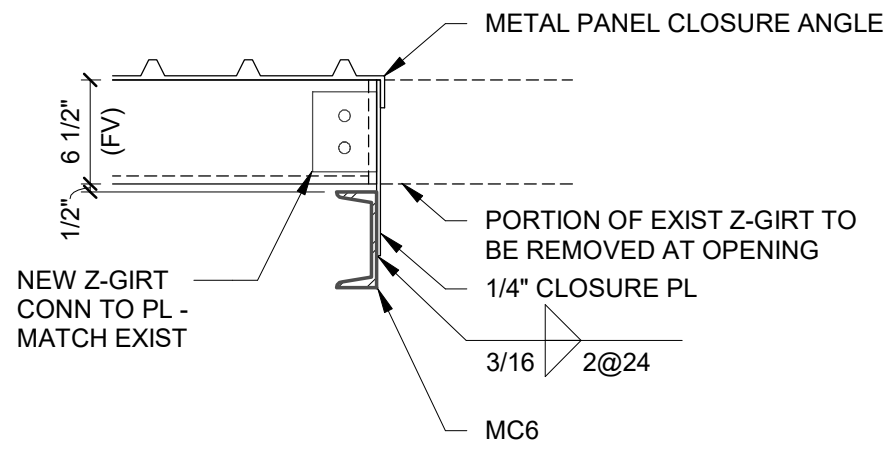
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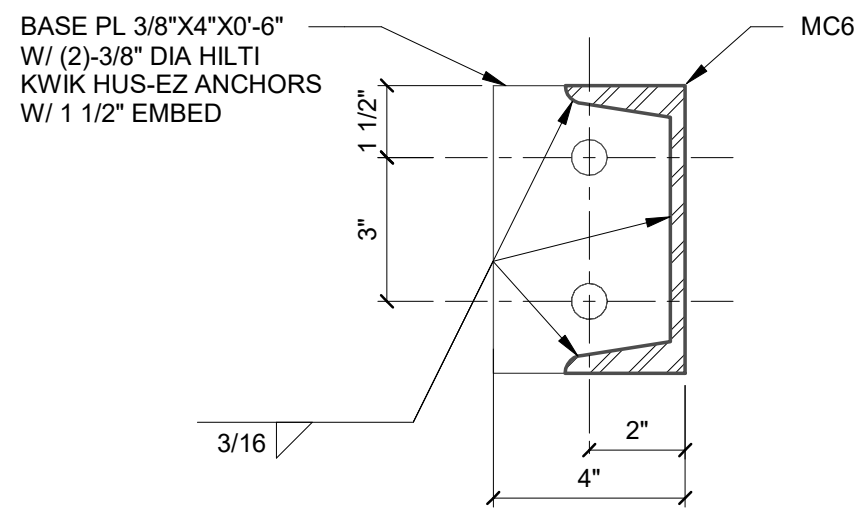
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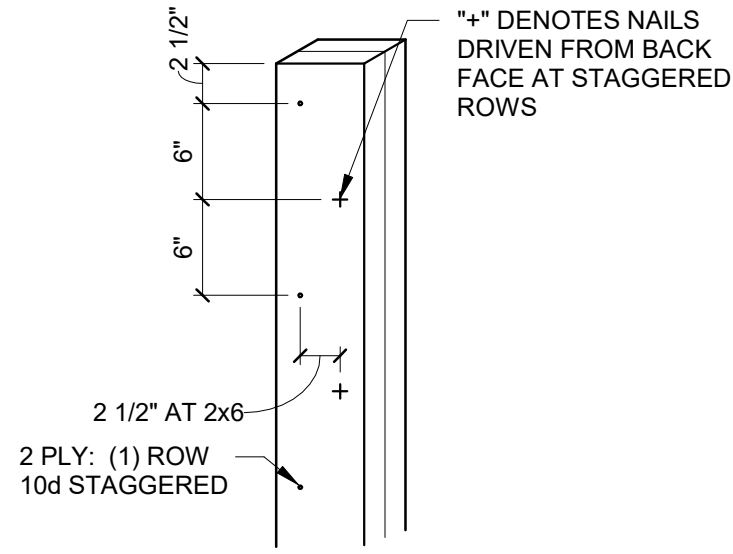
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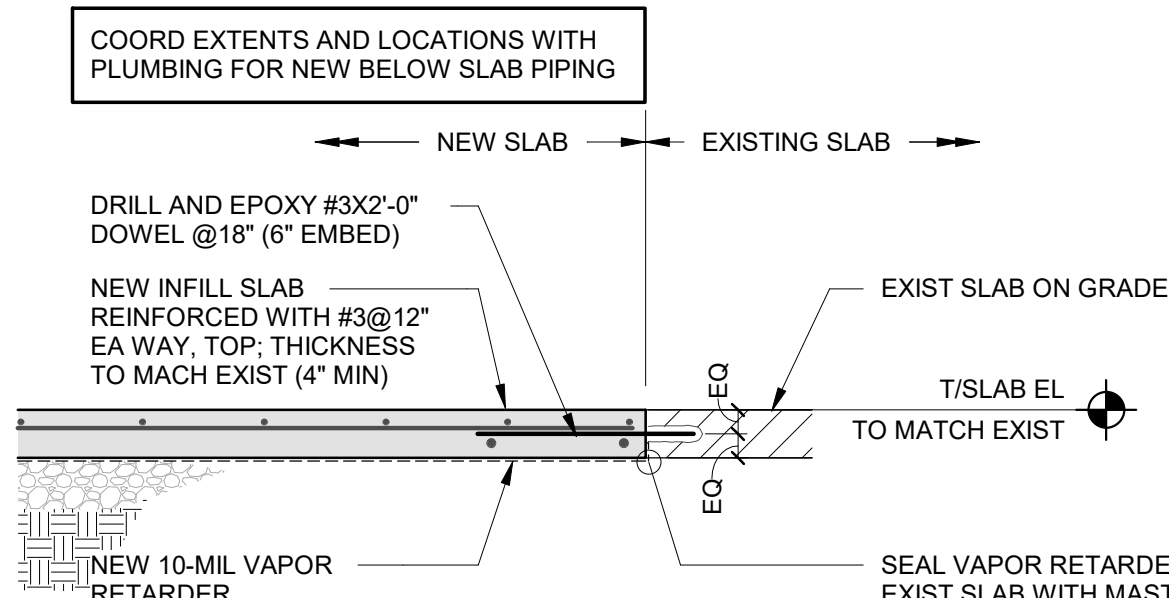
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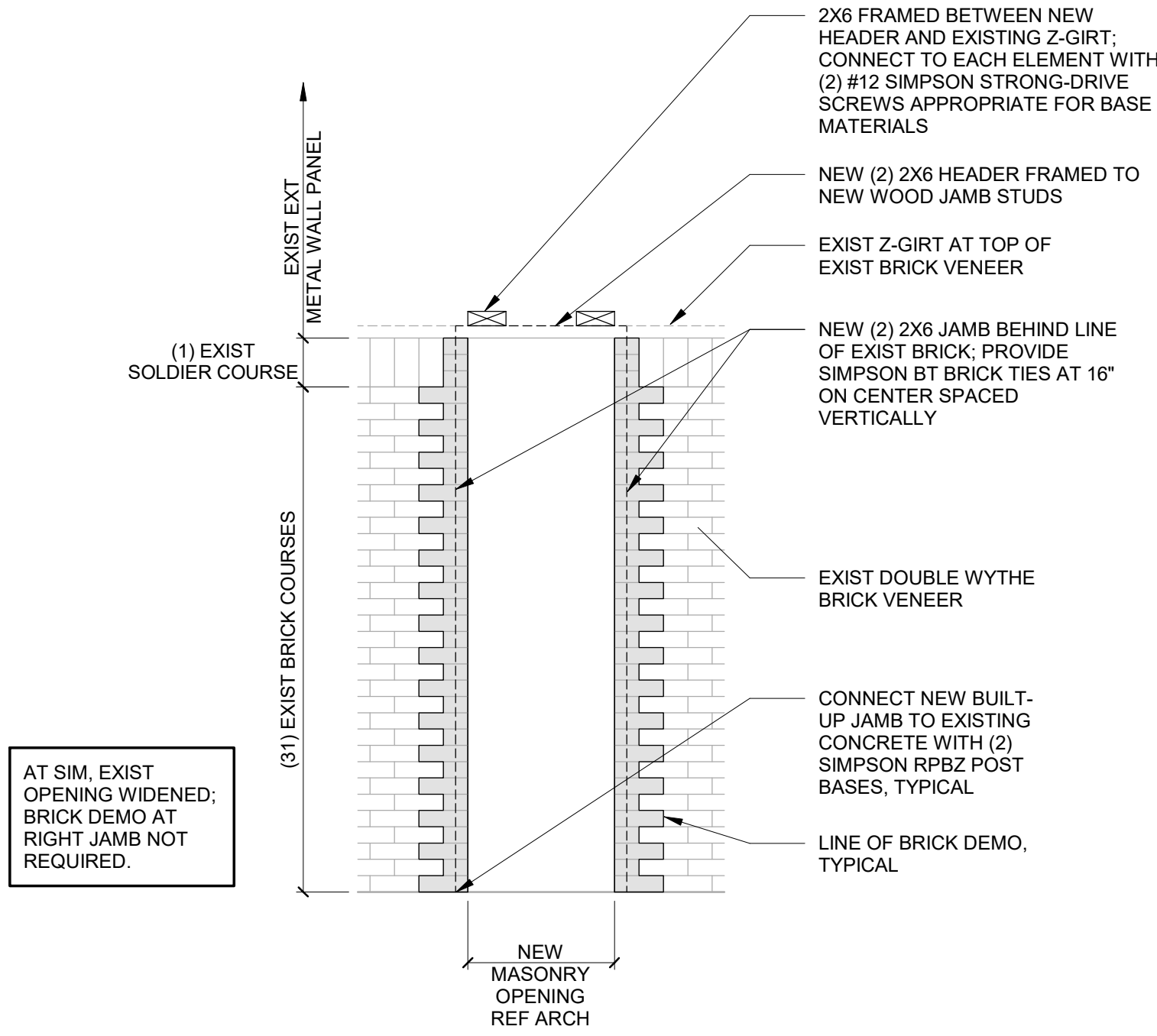
7 TYPICAL BUILT-UP JAMB AND HEADER DETAIL



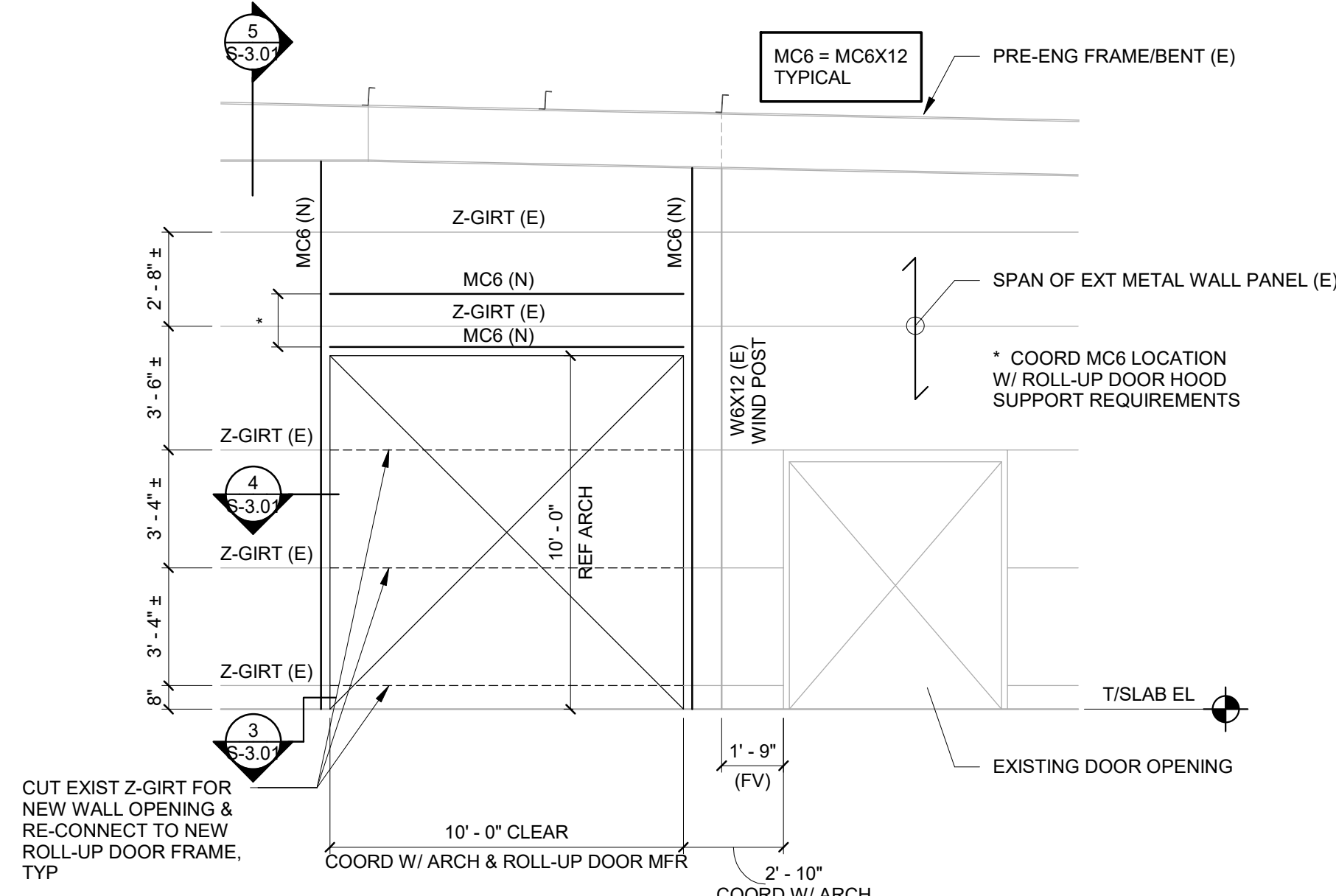
2 TYPICAL GRADE SUPPORTED SLAB AT EXISTING SLAB



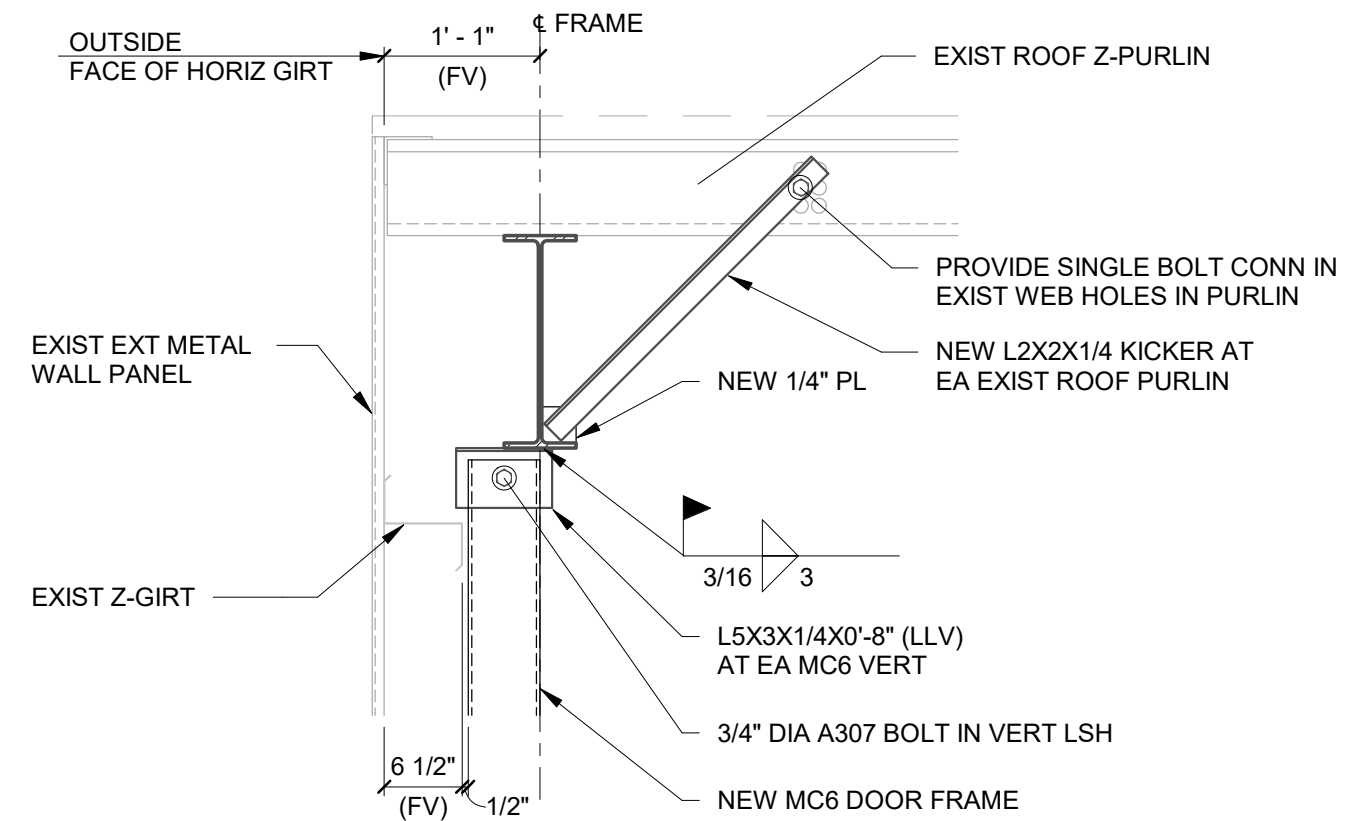
6 ELEVATION AT NEW OPENINGS



1 SECTION AT NEW WALL OPENING



5 SECTION



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CITY OF CHAMBLEE

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| Drawn By BEH | Checked By EDB |
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Sheet Title STRUCTURAL DETAILS

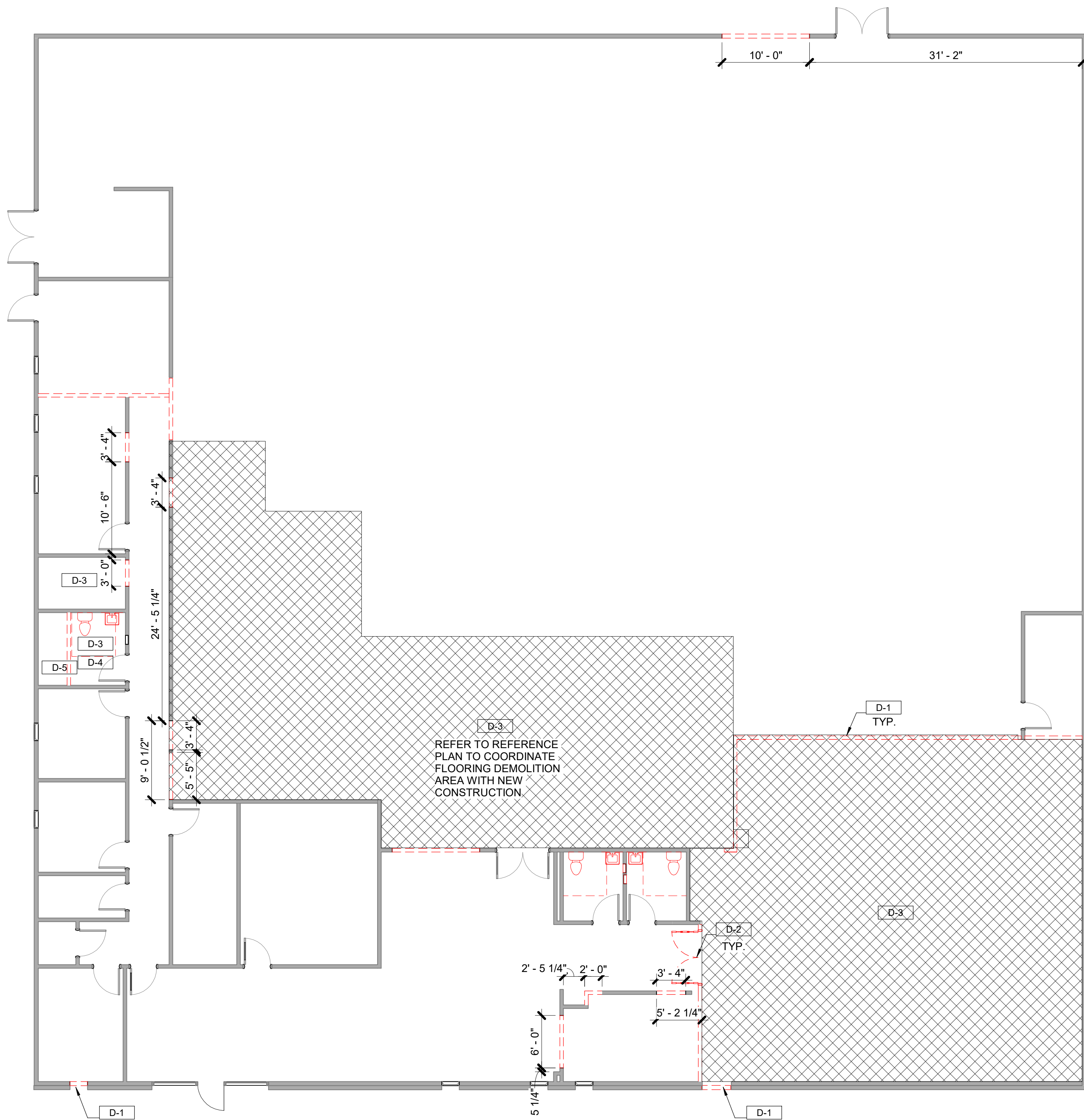
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1 DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

| KEY PLAN | |
|----------|-------------------------------|
| | EXISTING WALL TO REMAIN |
| | WORK TO BE DEMOLISHED/REMOVED |
| | NOT IN SCOPE |
| | KEY NOTES |

| GENERAL DEMO NOTES | |
|--------------------|--|
| 1. | CONTRACTOR TO TAKE CARE IN REMOVAL OF ANY ITEMS SCHEDULED OR NOT SCHEDULED FOR REUSE, SUCH AS FIXTURES, CEILING TILES, DOORS, DOOR FRAMES, HARDWARE, ETC. ITEMS TO BE OFFERED TO BUILDING OWNER FOR STOCK. |
| 2. | DEMOLITION SHALL BE COMPLETED DURING THE HOURS OUTLINED IN CONTRACT |
| 3. | DUST FREE BARRIERS MUST BE MAINTAINED AND SECURED @ CEILING TO FLOOR BETWEEN OCCUPIED AREAS AND AREAS OF DEMOLITION EXCEPT @ ENTRANCE AND EXIT TO SPACE. |
| 4. | ALL EXISTING SECURITY CAMERAS TO REMAIN. PROTECT DURING DEMOLITION. |
| 5. | AREAS/WALLS DAMAGED BY CONSTRUCTION EFFORTS DUE TO DEMOLITION OF ADJACENT PARTITIONS SHALL BE PATCHED AND PREPARED FOR NEW FINISHES. |
| 6. | SEE FOOD SERVICE, MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS FOR FULL EXTENT OF DEMOLITION. |
| 7. | GENERAL CONTRACTOR SHALL COORDINATE ANY HAZARDOUS ABATEMENT W/ OWNERS CONSULTANTS. |
| 8. | GENERAL CONTRACTOR SHALL COORDINATE ALL PARTITION PENETRATIONS REQUIRED FOR INSTALLATION OF RENOVATION/NEW CONSTRUCTION. DEMOLITION PLANS ARE REPRESENTATIVE OF DEMOLITION PARAMETERS & ADDITIONAL WORK REQUIRED FOR PREPARATION OF EXISTING BUILDING SHALL BE COORDINATED W/ STRUCTURAL, ARCHITECTURAL, FOOD SERVICE, MECHANICAL, ELECTRICAL, PLUMBING/FIRE PROTECTION DOCUMENTS. |
| 9. | GENERAL CONTRACTOR SHALL COORDINATE "ALL DEMOLITION" W/ EXISTING MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL & CIVIL. |
| 10. | GENERAL CONTRACTOR SHALL COORDINATE EXACT EXTENTS OF DEMOLITION W/ RENOVATION & NEW CONSTRUCTION. SEE ARCHITECTURAL, FOOD SERVICE, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS, NARRATIVES & SPECIFICATIONS FOR ADDITIONAL DEMOLITION W/ RESPECT TO RENOVATION/NEW CONSTRUCTION. |
| 11. | IF DOCUMENTS/SPECIFICATIONS DO NOT ADDRESS RENOVATION/NEW CONSTRUCTION WHERE DEMOLITION HAS OCCURRED, IT'S THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PATCH/MATCH &/OR REPAIR ADJACENT AREAS *AFFECTED BY DEMOLITION) TO PRE-EXISTING CONDITION PRIOR TO DEMOLITION. |
| 12. | GENERAL CONTRACTOR SHALL CONSULT W/ OWNER TO DETERMINE IF OWNER WISHES TO SALVAGE & RETAIN OWNERSHIP OF ITEM/S BEING DEMOLISHED. IT'S THE GENERAL CONTRACTOR'S RESPONSIBILITY TO MAKE EVERY EFFORT TO SALVAGE ITEM/S IN AREAS TO BE DEMOLISHED AT THE REQUEST OF THE OWNER. |

| DEMO PLAN KEYNOTES | |
|--------------------|--|
| D-1 | DEMOLISH EXISTING PARTITION IN ITS ENTIRETY TO EXTENTS INDICATED IN PREPARATION OF NEW CONSTRUCTION. COORD. W/ MECH., ELECT. & PLUMBING DWGS & SPECIFICATIONS |
| D-2 | REMOVE EXISTING DOOR, FRAMED & HARDWARE IN TIS ENTIRETY. TURN OVER TO OWNER IF REQUESTED BY THE OWNER. |
| D-3 | DEMOLISH EXISITNG FLOORING TO FACE OF EXISTING CONCRETE SLAB & BASE IN ITS ENTIRETY. PREPARE EXISTING SURFACES FOR INSTALLATION OF NEW CONSTRUCTION |
| D-4 | DEMOLISH EXISTING RESTROOM FIXTURES, RESTROOM ACCESSORIES AND SHOWER |
| D-5 | REMOVE EXISTING WALL TILE TO FACE OF PARTITION MOUNTING SURFACE. PATCH AND OR REPAIR PARTITION SURFACE IN PREPARATION FOR NEW CONSTRUCTION/FINISHES. WALLS TO BE SUITABLE FOR INSTALLATION OF NEW FINISHES. GC TO PROVIDE SCOPE TO REPLACE ANY METAL STUDS AFFECTED IN DEMOLITION OF MATERIAL. |



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| 1 | 01-31-25 | PLAN REVIEW COMMENTS |
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Sheet Title
DEMOLITION PLAN

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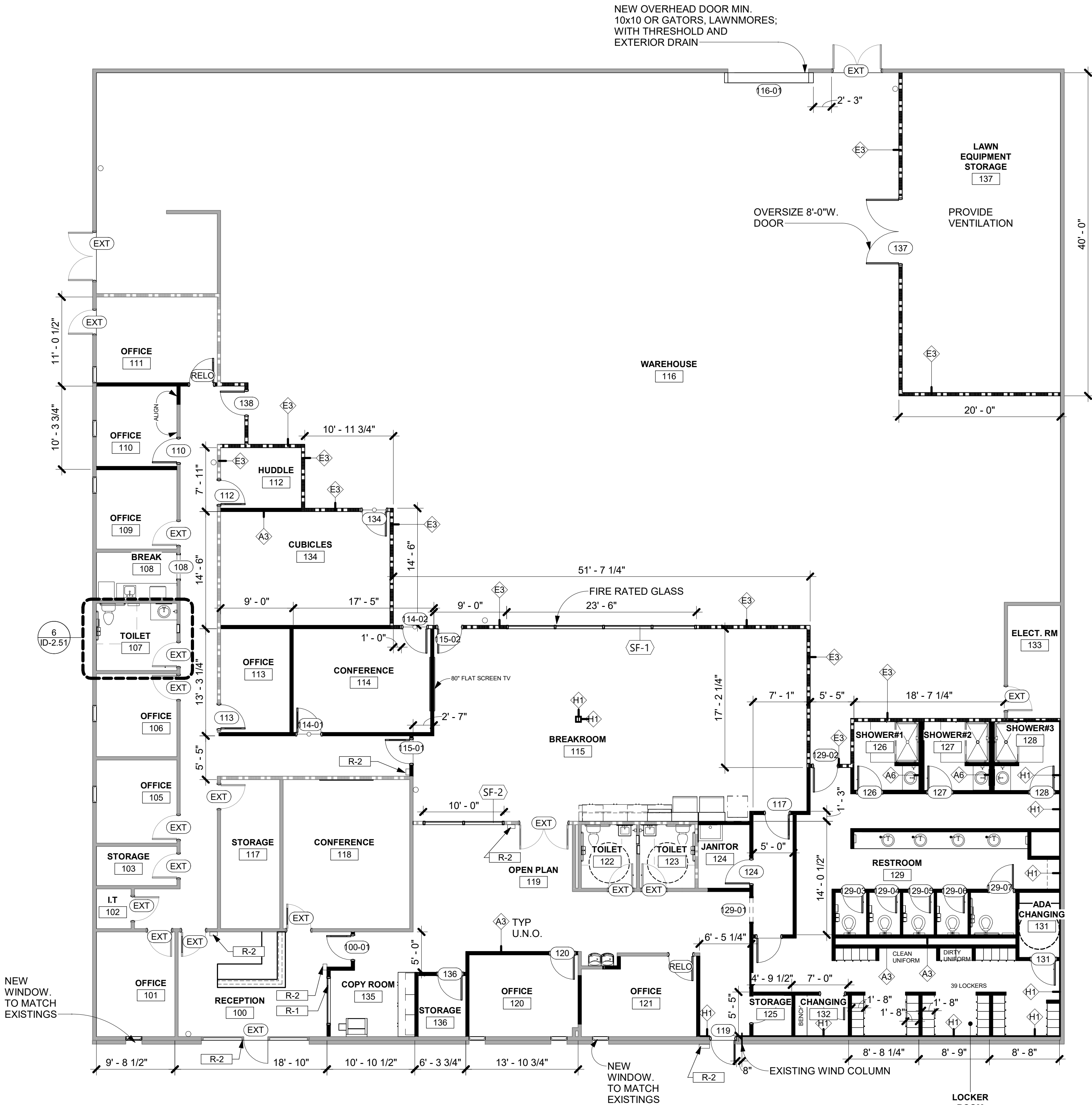
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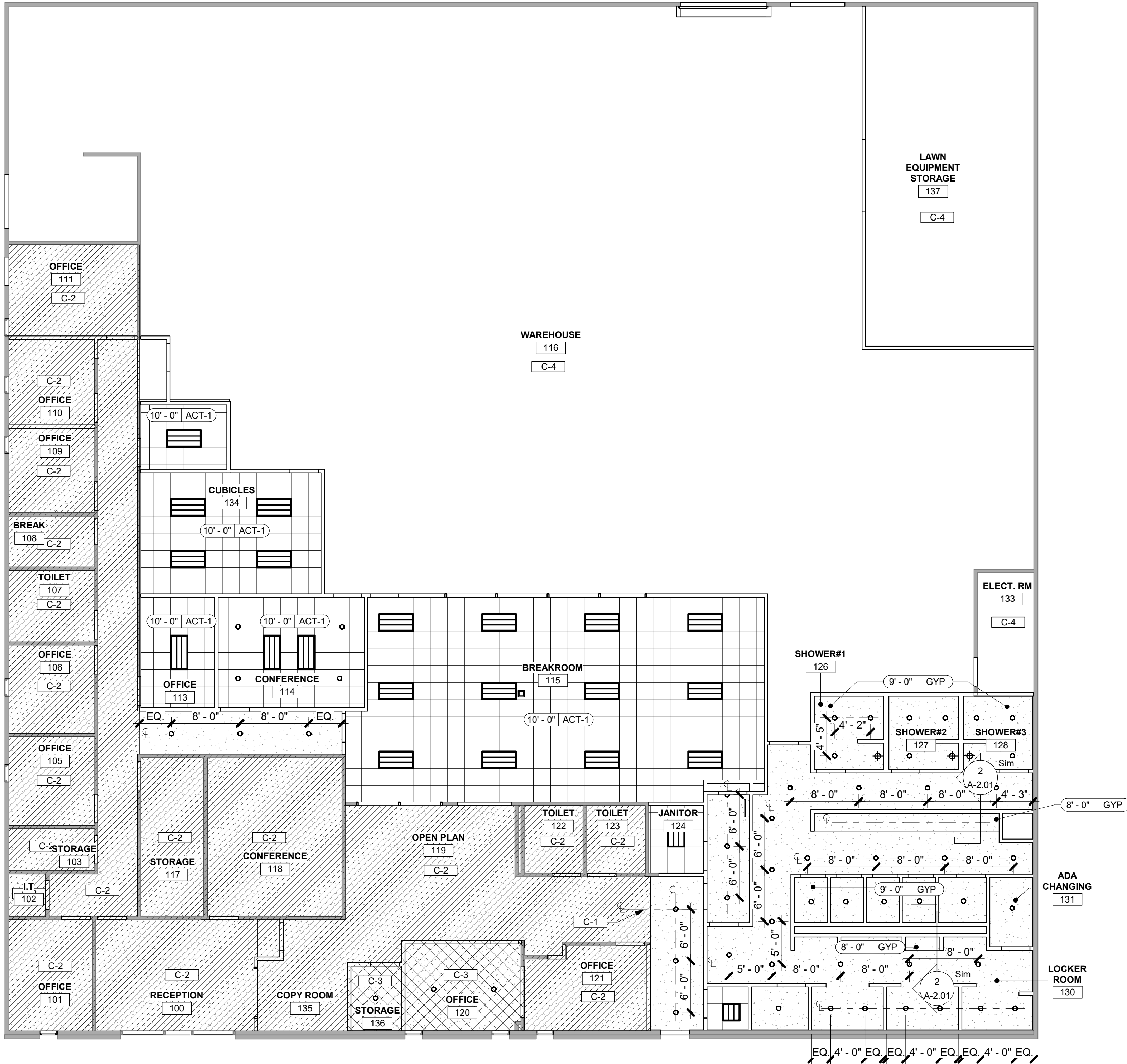
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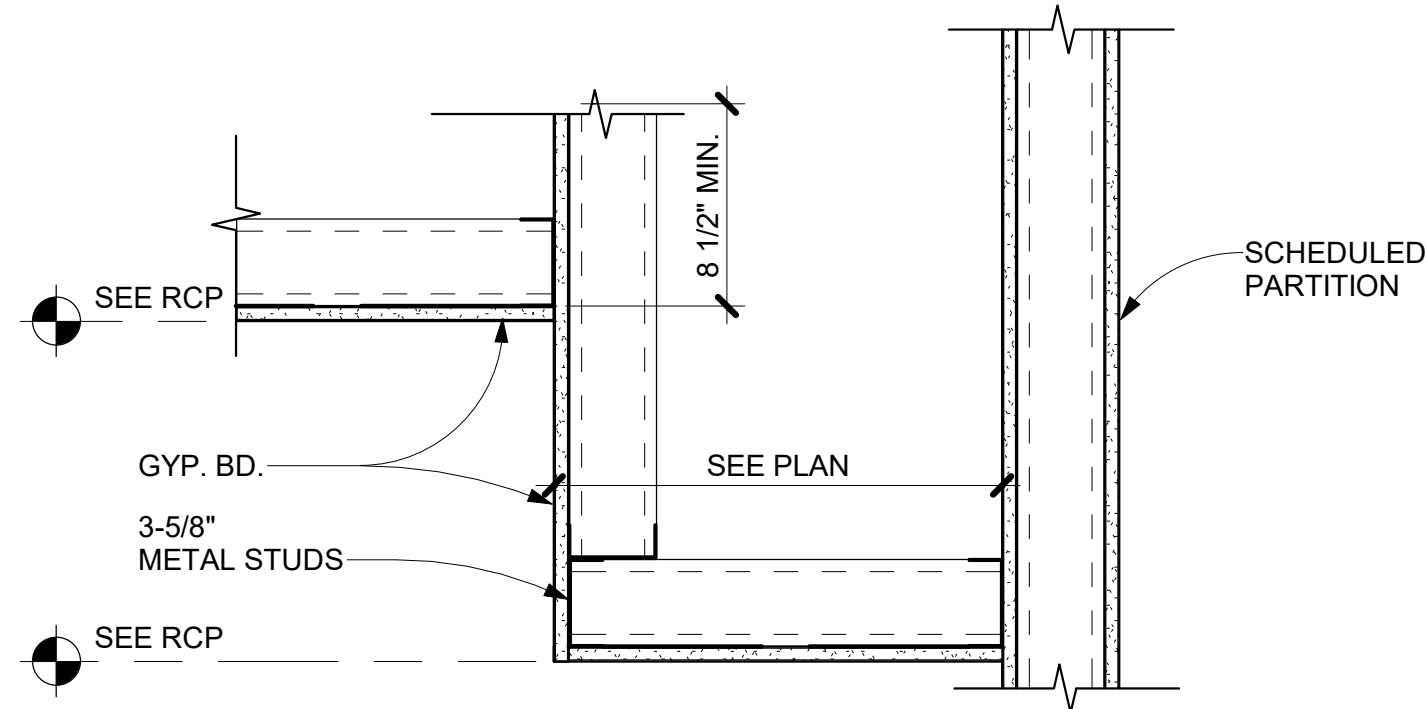




| KEY NOTES - CEILING PLAN | |
|--------------------------|--|
| KEY NOTE # | DESCRIPTION |
| C-1 | NEW RECESSES DOWNLIGHT TO BE CENTERED WITH THE EXISTING CORRIDOR LIGHTING |
| C-2 | EXISTING GYP. BOARD CEILING AND LIGHTING TO REMAIN. REPAVED DAMAGED OR NON WORKING EXISTING FIXTURES AS REQUIRED TO MATCH EXISTING |
| C-3 | EXISTING GYP. BOARD CEILING TO REMAIN. IF EXISTING LIGHTING LOCATION DOES NOT WORK WITH THE ROOM CONFIGURATION, EXISTING LIGHTING SHOULD BE RELOCATED AS SPECIFIED ON THE DRAWINGS |
| C-4 | EXISTING LIGHTING FIXTURES TO REMAIN |

| RCP LEGEND | |
|---|--|
| ○ | DOWN LIGHT |
| ○ | WET LABEL DOWN LIGHT |
| ⬇ | SCONCE |
| ▢ | 2X2 LAY-IN LIGHT |
| ▢ | 2X4 LAY-IN LIGHT |
| ⬇ | EXIT SIGNAGE (SHADING INDICATES FACE OF SIGN; ARROW SHOWN INDICATES DIRECTION) |
| ⬇ | CEILING TAG |
| ▢ | GYPSON BOARD CEILING |
| ▢ | LAY-IN CEILING GRID |
| ACT-1: ACOUSTICAL CEILING TILE MFR: ARMSTRONG, BASIS OF DESIGN STYLE: CORTEGA ANGLED TEGULAR MODEL NO: 704 EDGE: ANGLED TEGULAR SIZE: 2' X 2' X 3/4" COLOR: WHITE GRID: 15/16" PRELUDE COLOR: WHITE | |
| RCP GENERAL NOTES | |
| 1. CONSTRUCTION PROFESSIONAL SHALL FIELD VERIFY ALL FIXTURE LOCATIONS. ANY CONFLICT WITH FIELD CONDITIONS, DRAWINGS AND/OR OTHER TRADES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY FOR CLARIFICATION PRIOR TO PROCEEDING WITH ASSOCIATED WORK. | |
| 2. PROVIDE AND INSTALL CEILING TILE, MAIN TEES, CROSS TEES, WALL MOULDINGS AND OTHER ACCESSORIES NECESSARY TO COMPLETE THE SCOPE OF WORK. | |
| 3. ALL ADJACENT LIGHT SWITCHES SHALL BE GANGED WITH A SINGLE FACE PLATE. | |
| 4. UNLESS APPROVED BY THE ARCHITECT, ALL THERMOSTATS SHALL BE LOCATED DIRECTLY ADJACENT TO THE LIGHT SWITCH IN THE ROOM IN WHICH IT OCCURS. | |
| 5. CENTER ALL SPRINKLER HEADS IN CEILING TILES WHERE POSSIBLE. ALL SPRINKLER HEADS IN GYPSON BOARD TO BE RECESSED & CONCEALED. | |
| 6. CENTER ALL LIGHT FIXTURES IN SPACE, U.N.O. ALL RECESSED LIGHT FIXTURES SHALL BE CENTERED IN CEILING TILES WHERE POSSIBLE, U.N.O. | |
| 7. CONSTRUCTION PROFESSIONAL WILL ENSURE THAT LENSES IN LIGHTING FIXTURES ARE CLEAN AND FREE OF DUST, DIRT AND SMUDGES. PLASTIC AND LABELS SHALL BE REMOVED FROM ALL LIGHT FIXTURES AT PROJECT COMPLETION. | |
| 8. NO SUBSTITUTES WILL BE ACCEPTED FOR ANY LIGHT FIXTURES UNLESS APPROVED BY ARCHITECT IN WRITING. | |

ALPHA BLDG SET 06-24-2025



1 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

2 SOFFIT TO PARTITION

SCALE: 1 1/2" = 1'-0"

RCP SHOWN ON THIS DOCUMENT IS FOR GRAPHIC ILLUSTRATION ONLY AND SHALL NOT BE USED AS AN ACCURATE REPRESENTATION OF MECHANICAL, ELECTRICAL AND PLUMBING SCOPE OF WORK. REFERENCE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR SCOPE OF WORK.



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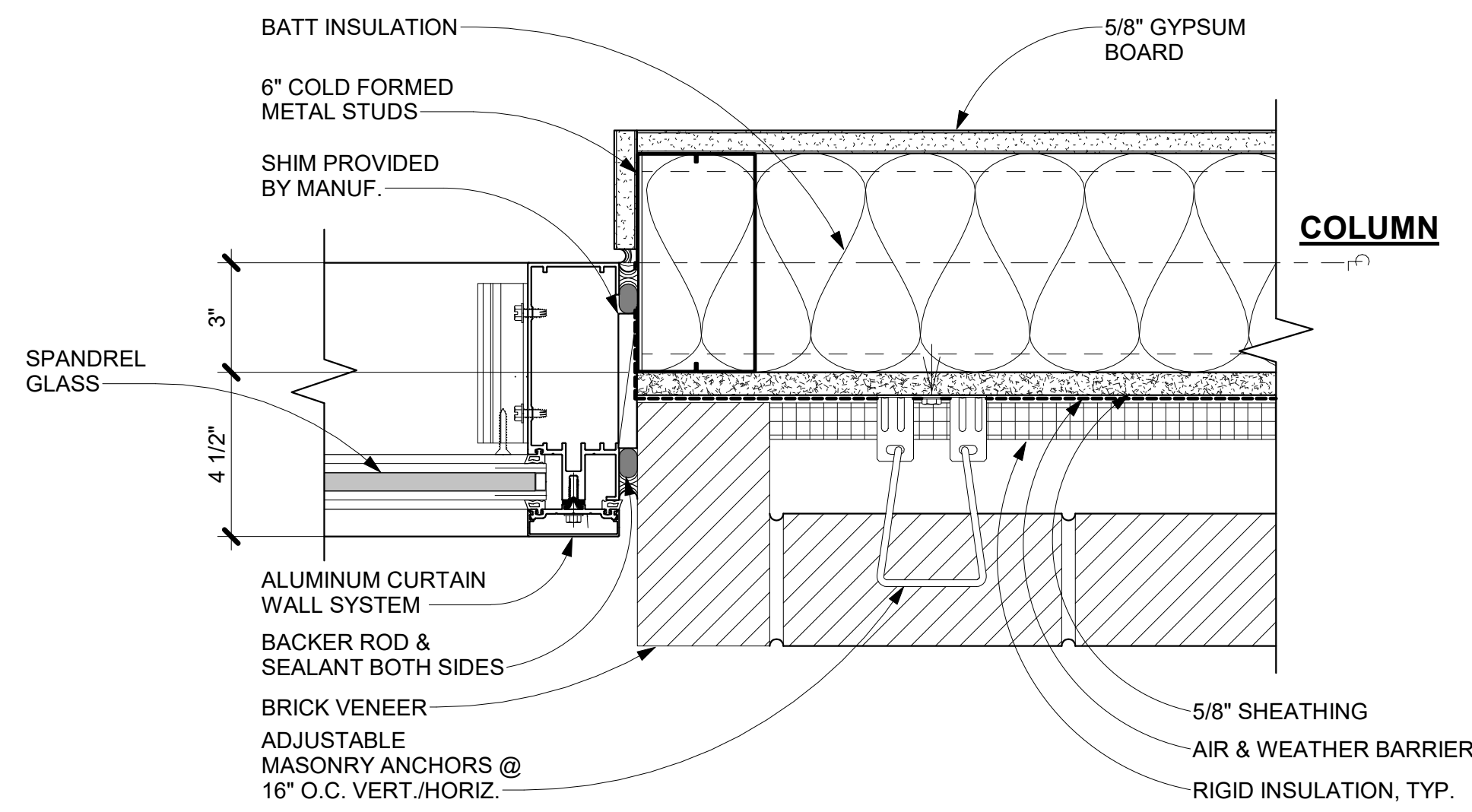
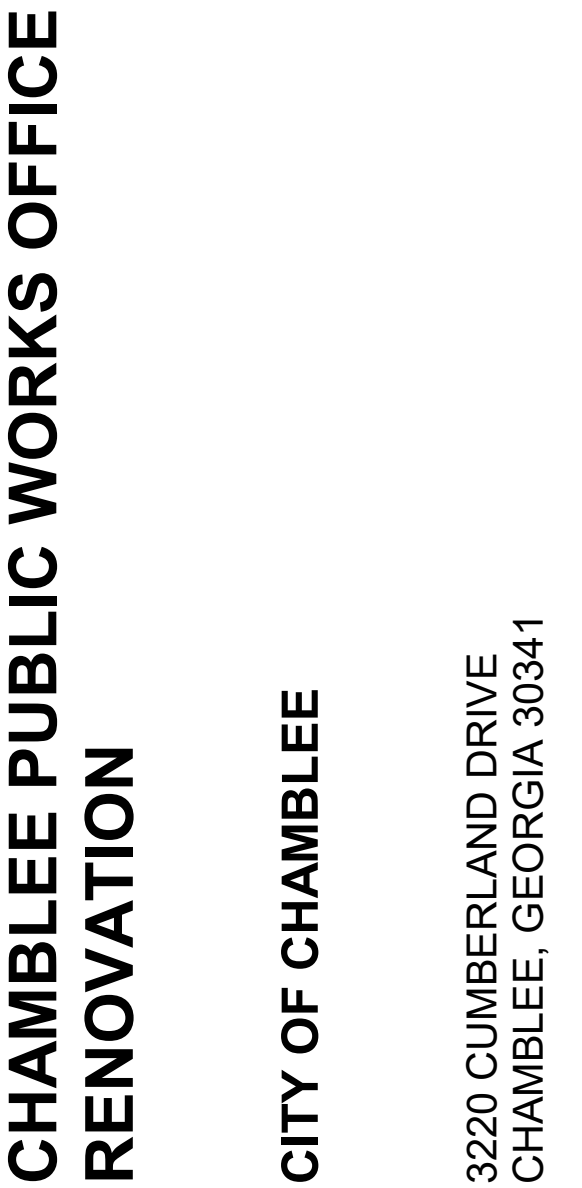
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Sheet Title
REFLECTED CEILING
PLAN - LEVEL 1

Sheet No.

A-2.01

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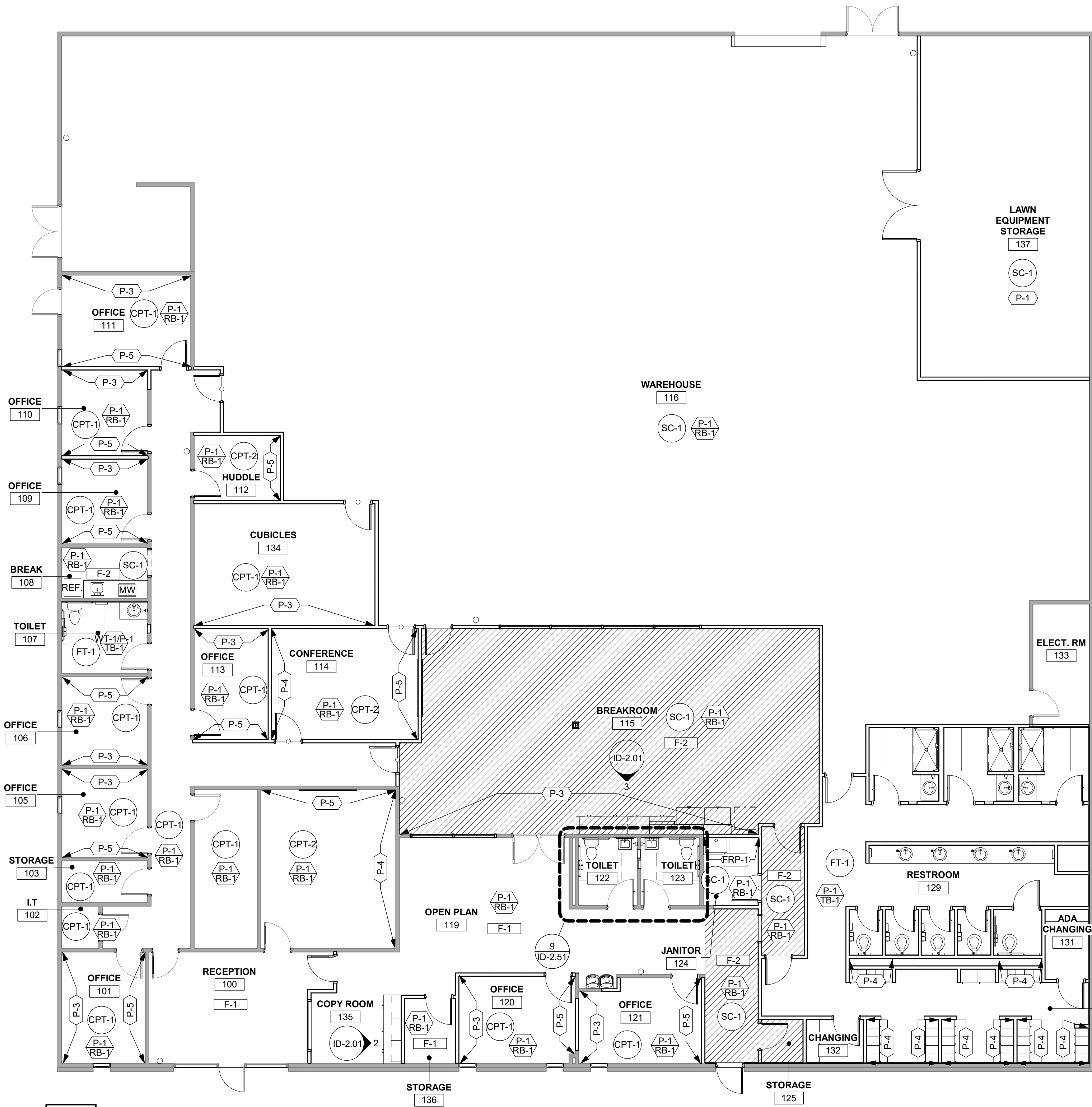


3 JAMB DETAIL

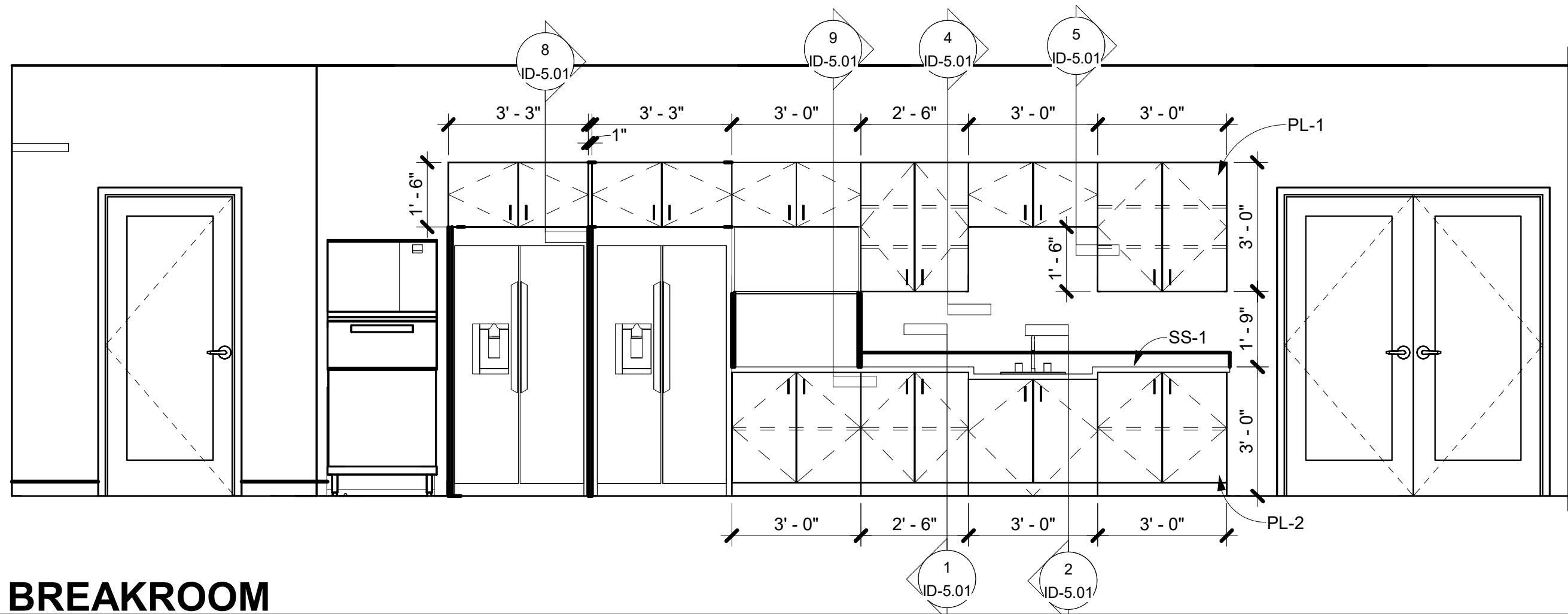


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| Sheet Title EXTERIOR WINDOW DETAILS | |

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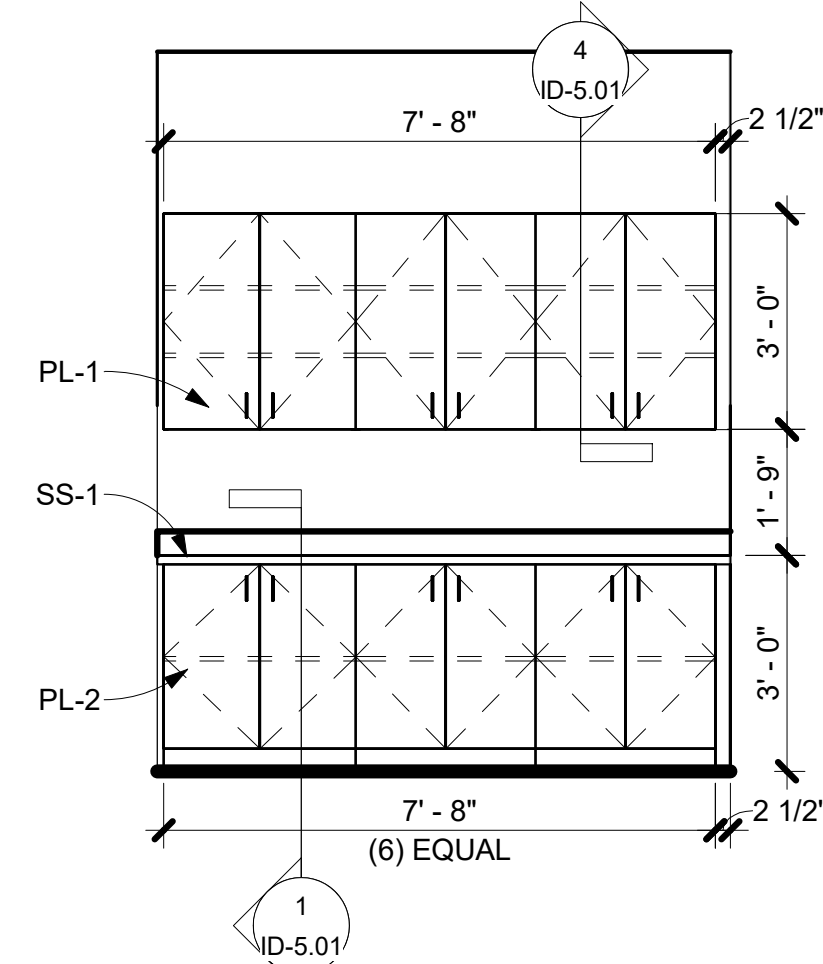


1 FINISH PLAN
SCALE: 1/8" = 1'-0"

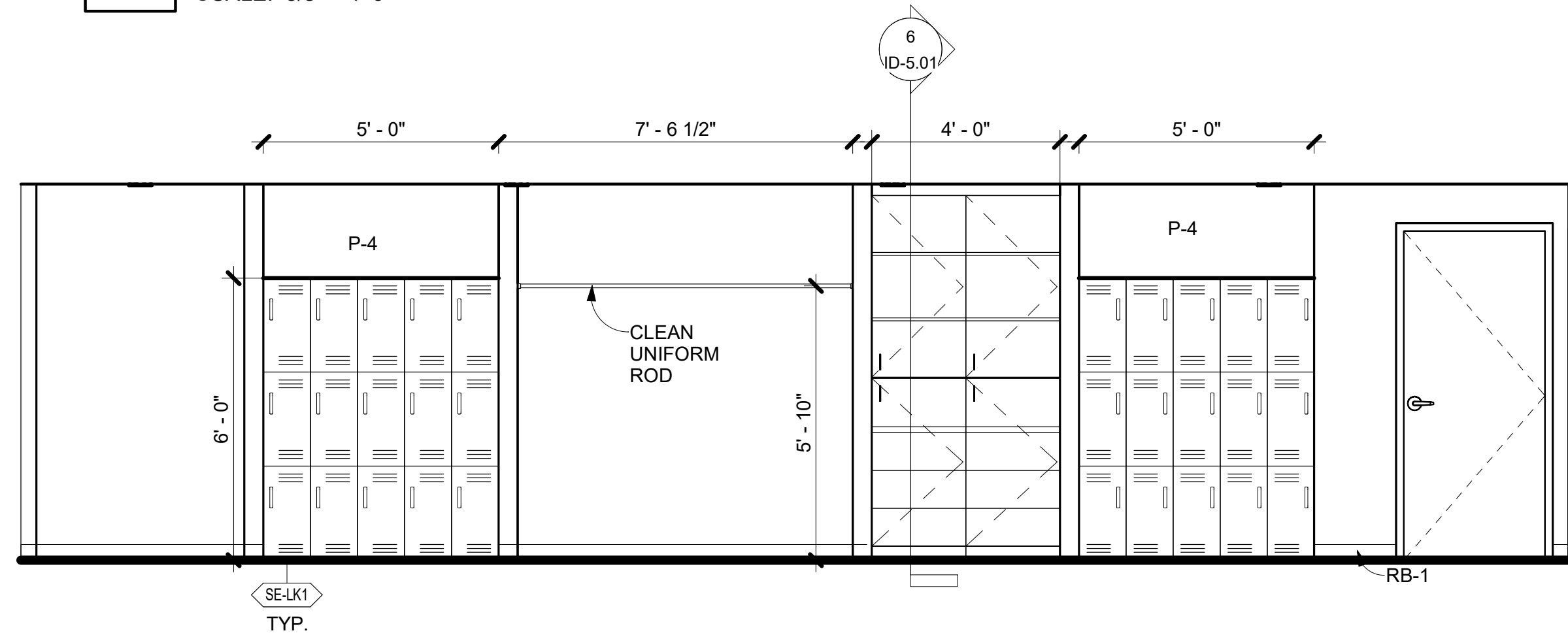


3 BREAKROOM
SCALE: 3/8" = 1'-0"

ALPHA BLDG SET 06-24-2025



2 COPY ROOM
SCALE: 3/8" = 1'-0"



4 ENLARGED LOCKER AREA
SCALE: 3/8" = 1'-0"

FINISH SYMBOL LEGEND

| | | | |
|--|--------------------|--|------------------------|
| | WALL FINISH | | FLOOR TRANSITION |
| | BASE FINISH | | FINISH PLAN KEY NOTES |
| | FLOOR FINISH | | FLOOR FINISH DIRECTION |
| | ACCENT WALL FINISH | | |

KEY NOTES - FINISH PLAN

| KEY NOTE # | DESCRIPTION |
|------------|---------------------------------------|
| F-1 | EXISTING CONCRETE FLOOR TO REMAIN |
| F-2 | NEW SEALED CONCRETE TO MATCH EXISTING |



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CHAMBLEE PUBLIC WORKS OFFICE RENOVATION

CITY OF CHAMBLEE

3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

PRINT RECORD

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| A | 02-04-2025 | ISSUED FOR BID |
| B | 02/21/2025 | ADDENDUM A |

Drawn By
Author

Checked By
Checker

Date
02/21/2025

Job No.
24010

Sheet Title
FINISH PLAN - LEVEL 1

Sheet No.

ID-2.01

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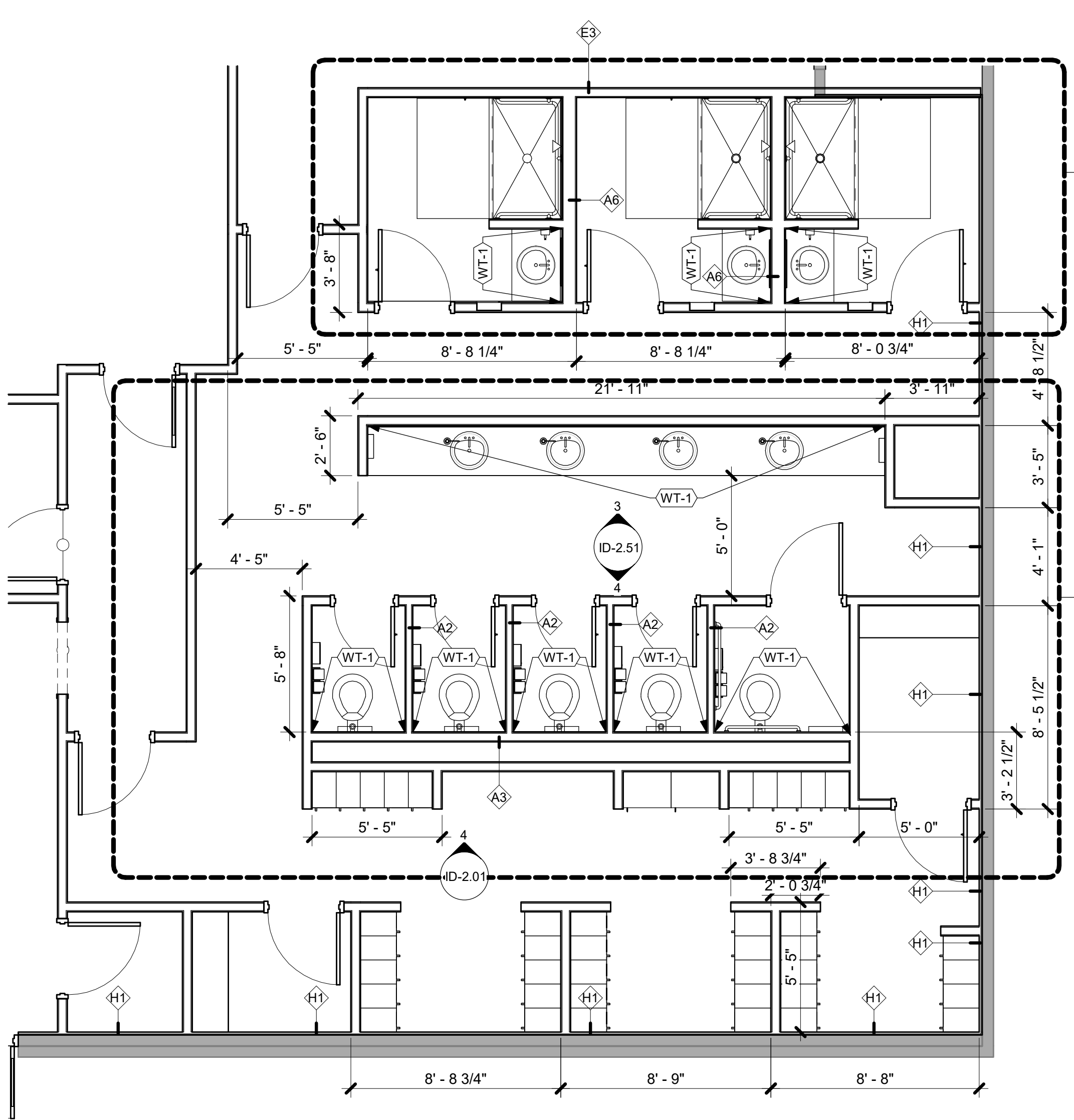
- INTERIOR ELEVATION NOTES**
- GENERAL CONTRACTOR TO COORDINATE EQUIPMENT OUTLINED IN "EQUIPMENT LEGEND" WITH OWNER & OWNER'S MEDICAL EQUIPMENT REPRESENTATIVE. THIS INCLUDES VERTICAL AND HORIZONTAL MOUNTING HEIGHTS OF ALL DEVICES, COORDINATION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING. THE ARCHITECT SHALL RECEIVE SHOP DRAWINGS SHOWING FINALIZED SELECTION OF EQUIPMENT AND SPECIFICA MODEL NUMBERS REVIEWED BY DESIGN TEAM/ENGINEERS PRIOR TO PROCEEDING WITH SCOPE OF WORK.
 - ELECTRICAL OUTLETS ARE ONLY SHOWN FOR COORDINATION WITH EQUIPMENT, SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION..
 - LOW VOLTAGE BY OWNER'S REPRESENTATIVE.
 - FURNITURE SHOWN IS TO BE PROVIDED BY OWNER U.N.O. GENERAL CONTRACTOR TO COORDINATE WITH OWNER ON DELIVERY SCHEDULE.

| TAG NO. | | DESCRIPTION | MANUFACTURER | MODEL | FURNISHED BY | | INSTALLED BY | | COMMENTS |
|---------|--|---|---------------------------|----------------------|--------------|-------|--------------|-------|----------|
| | | | | | CONTRACTOR | OWNER | CONTRACTOR | OWNER | |
| TA-04 | | LAVATORY MOUNTED SOAP DISPENSER | BOBRICK | B-82216 | X | | X | | |
| TA-10 | | COAT HOOK | AMERICAN SPECIALTIES INC. | 0714 | X | | X | | |
| TA-A-01 | | 1-1/2" DIA, 36 x 42 ADA GRAB BARS | BOBRICK | B-6806x36; B-6806x42 | X | | X | | |
| TA-B-01 | | WALL MOUNTED SOAP DISPENSER | BOBRICK | B-4069 | X | | X | | |
| TA-C-01 | | TOWEL DISPENSER/WASTE RECEPTACLE - RECESSED | BOBRICK | B-369 | X | | X | | |
| TA-C-03 | | SURFACE MOUNTED TOWEL DISPENSER | BOBRICK | B-262 | X | | X | | |
| TA-D-08 | | CHANNEL-FRAME MIRROR 24x36 | BOBRICK | B-165 2436 | X | | X | | |
| TA-E-02 | | JUMBO ROLL TOILET PAPER DISPENSER | BOBRICK | B-2892 | X | | X | | |
| TA-F-01 | | SURFACE MOUNTED SEAT-COVER DISPENSER | BOBRICK | B-221 | X | | X | | |
| TA-F-03 | | SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL | BOBRICK | B-254 | X | | X | | |

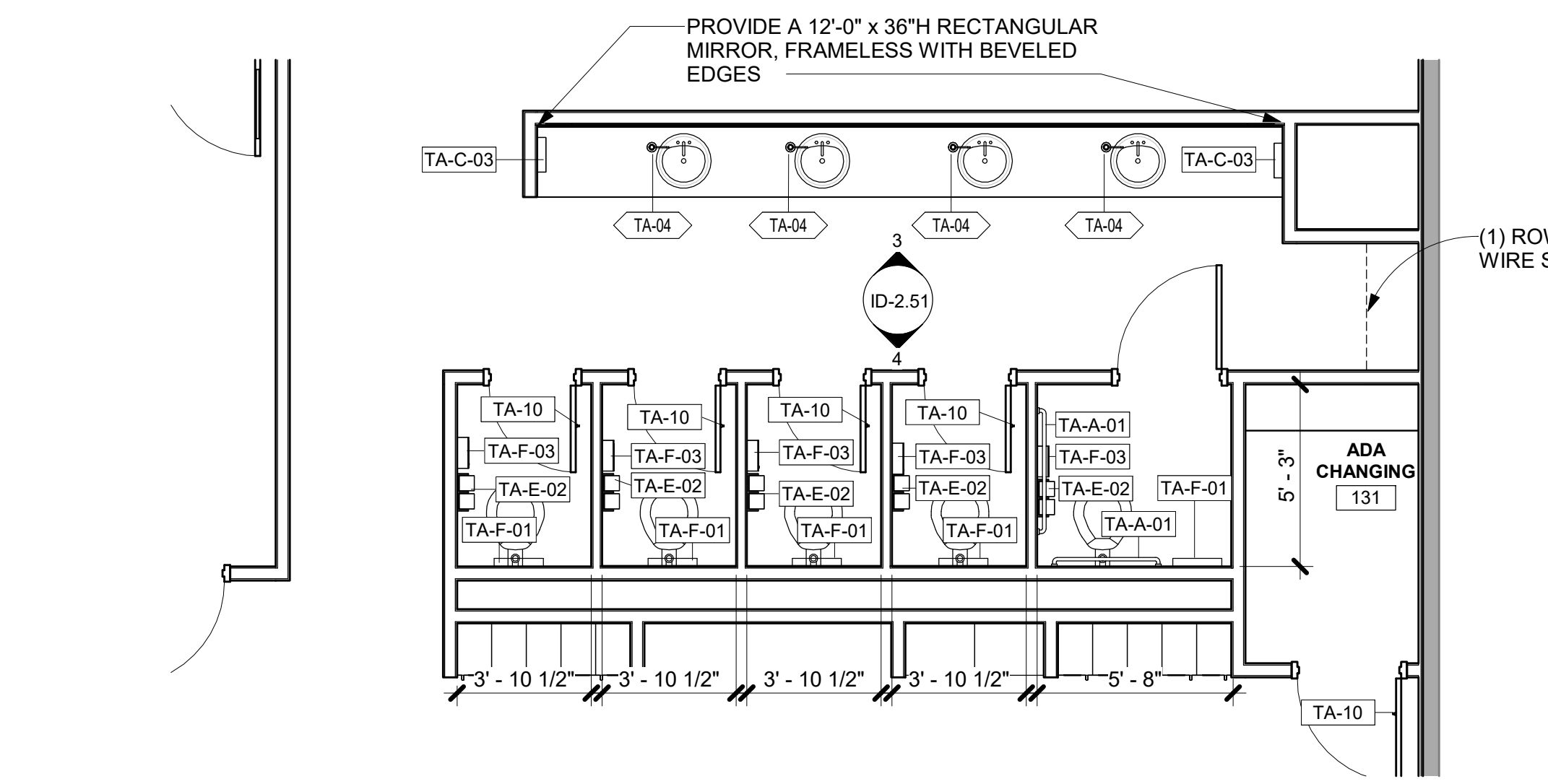
- MILLWORK GENERAL NOTES**
- REFER TO INTERIOR ELEVATIONS, WHICH IDENTIFY THE ROOM AND WALL (NORTH, SOUTH, EAST OR WEST) ON WHICH THE CABINETY IS LOCATED. COORDINATE ALSO WITH FLOOR PLANS.
 - SPECIALIZED CABINET SECTIONS ONLY ARE KEYED OR NOTED ON CABINET ELEVATIONS. OTHER CABINET SECTIONS ILLUSTRATE TYPICAL CONSTRUCTION & NOT EVERY DOOR AND/OR DRAWER VARIATION IS SHOWN.
 - ALL WORKSURFACES & COUNTERTOPS ARE PL-2 U.N.O.
 - PROVIDE FINISHED END PANELS AND/OR END RETURNS AT OPEN ENDED CABINETY (INCLUDING KNEE SPACES).
 - PROVIDE PLAM CLAD TRIM AND FILLER PANELS WHERE EQUIPMENT IS LOCATED WITHIN CABINET UNITS.
 - GLASS PANELS ARE 1/4" CLEAR TEMPERED GLAZING U.N.O.
 - PROVIDE SIDE SPLASHES WHERE COUNTERTOPS ABUT WALLS AT SIDES - U.N.O.
 - PROVIDE COUNTERTOP BRACE SUPPORTS AT 48" O.C. MAX. @ KNEE SPACES & LAVATORY COUNTERS, U.N.O.
 - PROVIDE 3" DIA. GROMMETS AT BACK OF COUNTERTOPS EXACT LOCATION TO BE COORDINATED WITH THE OWNER IN THE FIELD AT THE TIME OF INSTALLATION.
 - PROVIDE BLOCKING WITHIN PARTITION FOR ALL CABINETY ATTACHED TO WALLS. SEE DETAILS FOR ATTACHMENT DETAILS.
 - PROVIDE ALL STRAIGHT RUN COUNTERTOPS THAT HAVE SINKS, WITH SEPARATE BACKSPLASH TO COUNTERTOP.
 - FILE DRAWERS ARE NOTED ON ELEVATIONS. PROVIDE MINIMUM INSIDE CLEAR DIMENSIONS OF 13.5" WIDE BY 10.5" HIGH BY 20.5" DEEP
 - CABINET UNIT DEPTH IS AS SHOWN ON SECTION, U.N.O. ON ELEVATION(S).
 - FOR FIELD APPLIED MIRRORS, EXTEND MIRRORS FROM THE TOP OF COUNTERTOP SPLASH TO 6'-0" A.F.F. U.N.O.
 - PROVIDE BOTTOM CLOSURE FOR FILLER PANELS AT TOE SPACES AND AT BOTTOM OF UPPER WALL CABINETS TO CLOSE OFF AND SEAL TIGHT ALL CONCEALED OPENINGS.
 - ALL MILLWORK/CASEWORK TO BE PL-1 U.N.O.
- CABINET HARDWARE:
- DOOR HINGES TO BE BLUM 71T5580 CHROMED, CONCEALED, SELF-CLOSING. DRAWER SLIDES TO BE HEAVY DUTY ACCURIDE HAFELE #4034. DRAWER PULLS TO BE MOCKETT DP55A STAINLESS STEEL OR APPROVED EQUALS. MILLWORK REVEALS: PITTCO, VENEER CHANNEL, VPR75-38/38
- ALL RECEPTION/WAITING MILLWORK TO BE PREMIUM GRADE
- ALL EXAM ROOM MILLWORK AND P-LAM CASEWORK TO PER AWI STANDARDS.
- ALL CABINET/FILES TO BE LOCKABLE



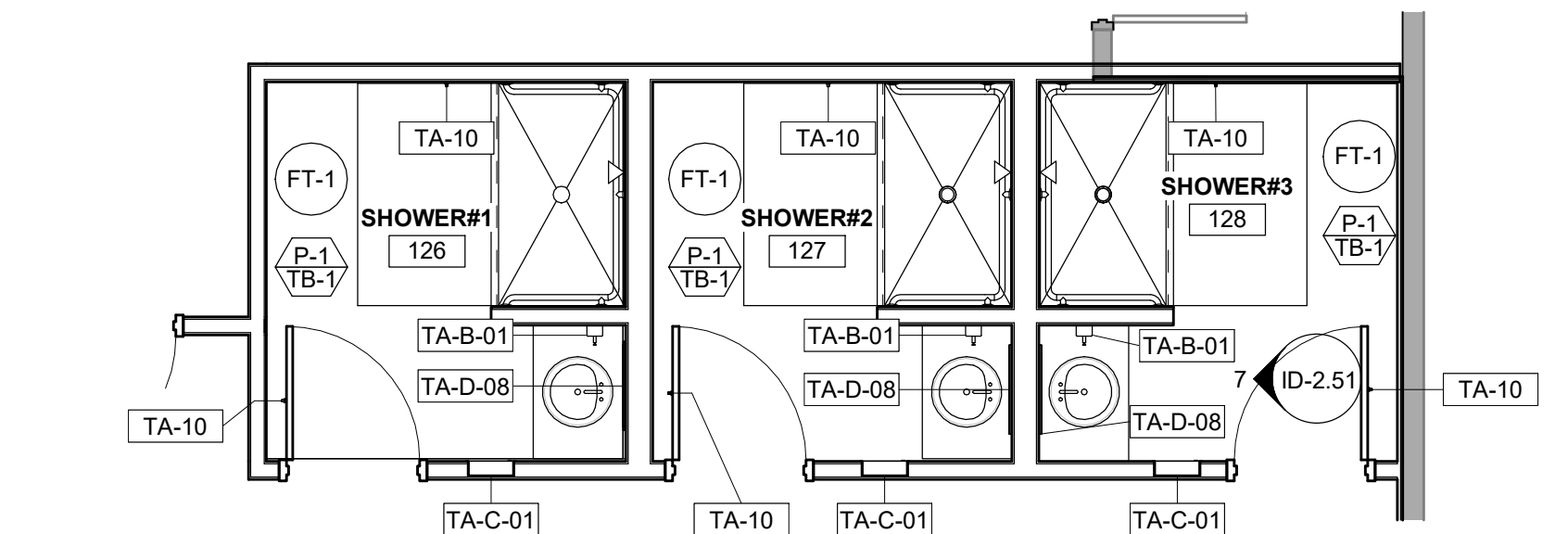
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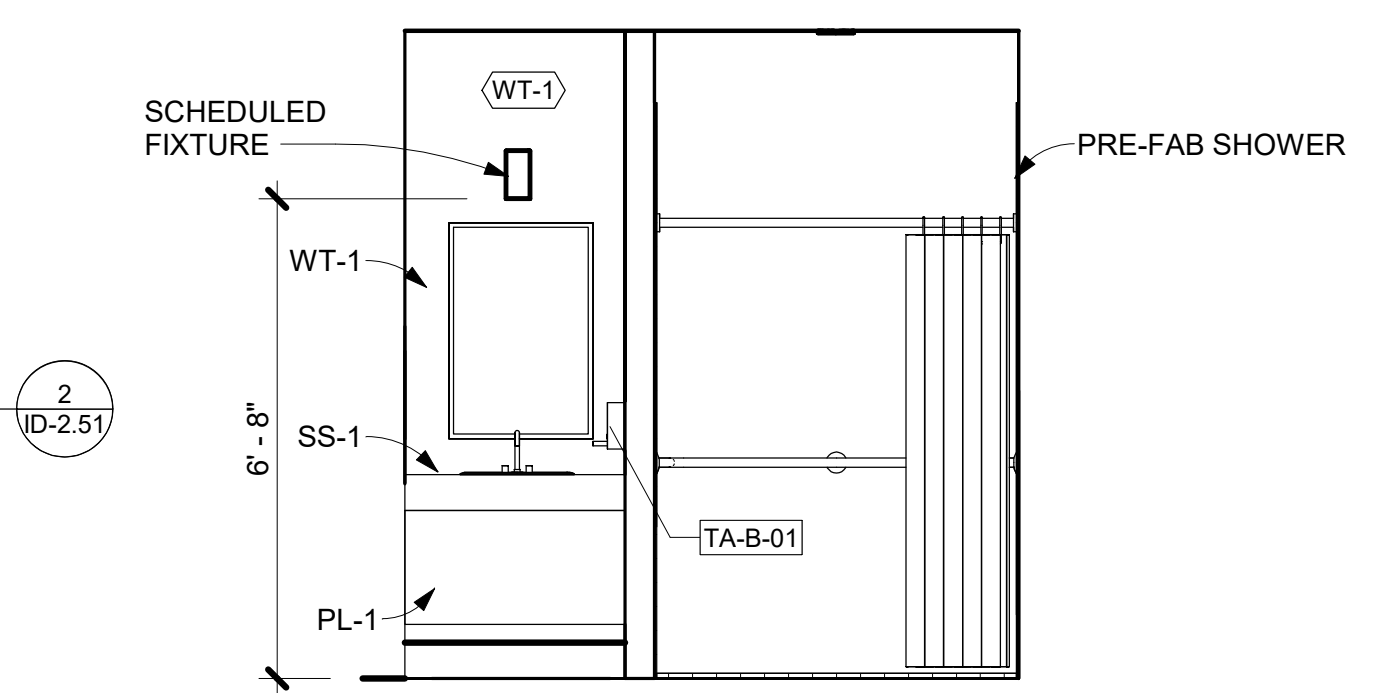
1 RESTROOM #129 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



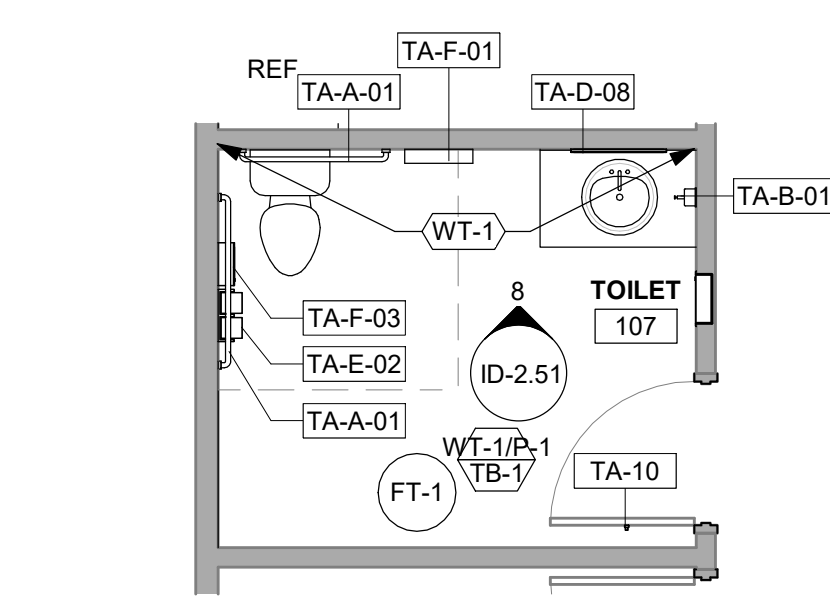
2 RESTROOM ENLARGED PLAN
SCALE: 1/4" = 1'-0"



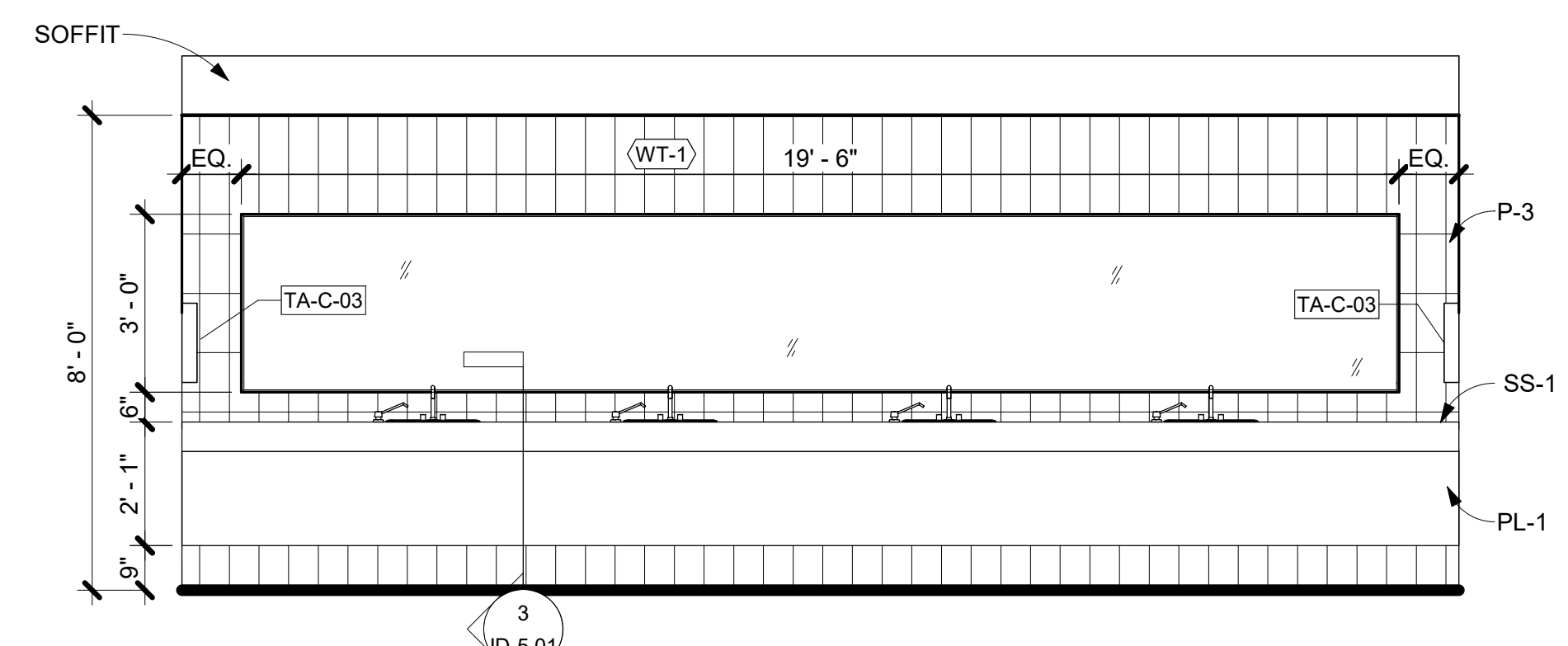
5 ENLARGED SHOWER ROOMS
SCALE: 1/4" = 1'-0"



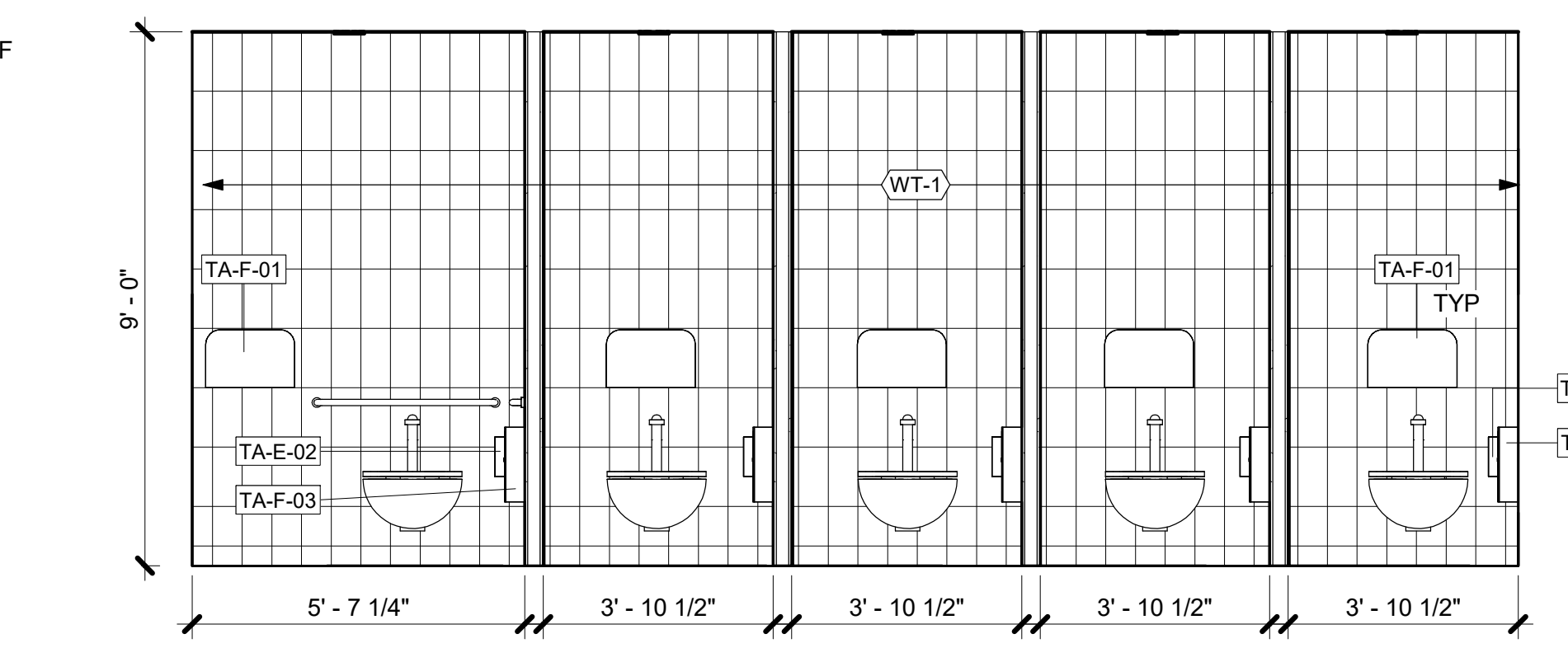
7 SHOWER ROOM - ELEVATION A
SCALE: 3/8" = 1'-0"



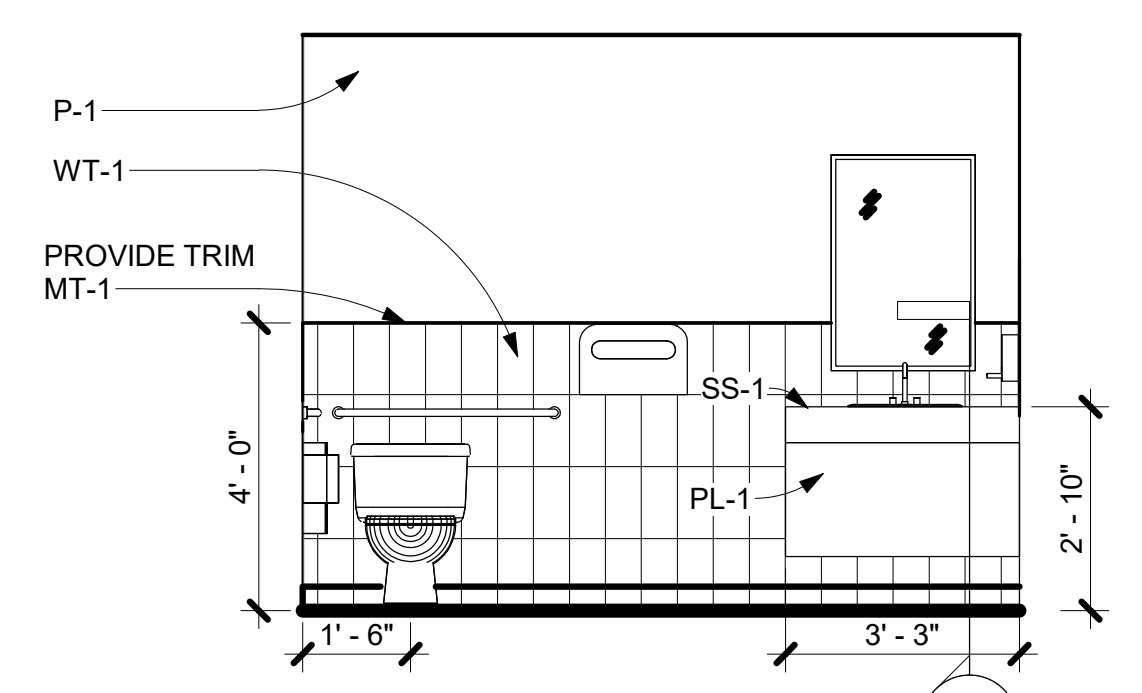
6 PRIVATE RESTROOM
SCALE: 1/4" = 1'-0"



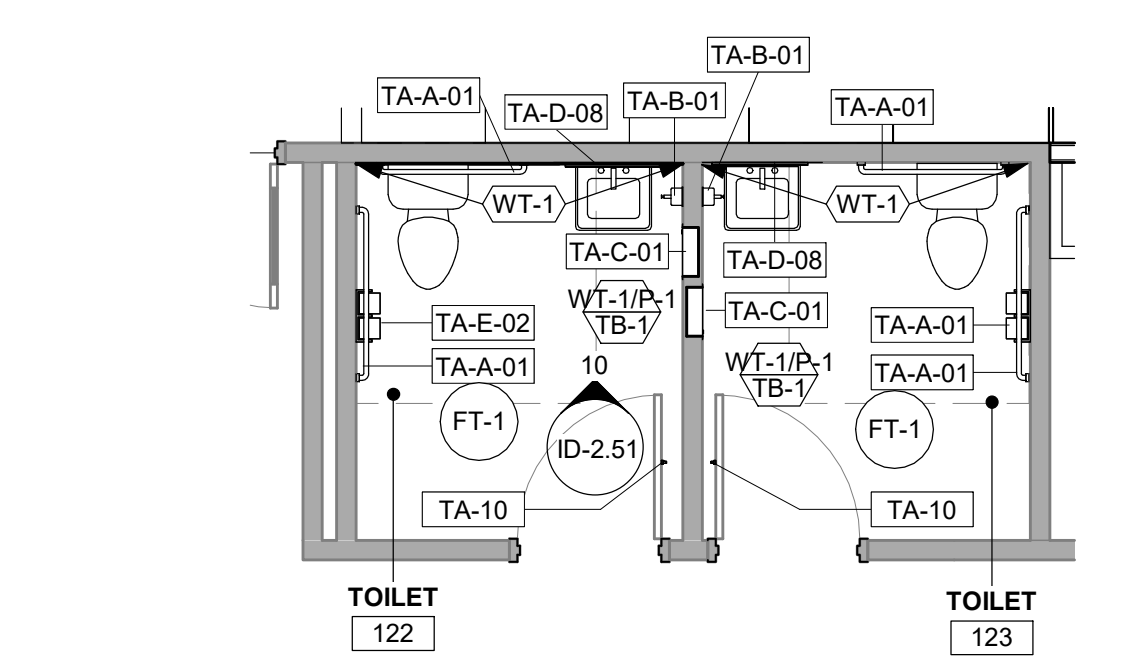
3 RESTROOM ELEVATION - A
SCALE: 3/8" = 1'-0"



4 RESTROOM ELEVATION - B
SCALE: 3/8" = 1'-0"

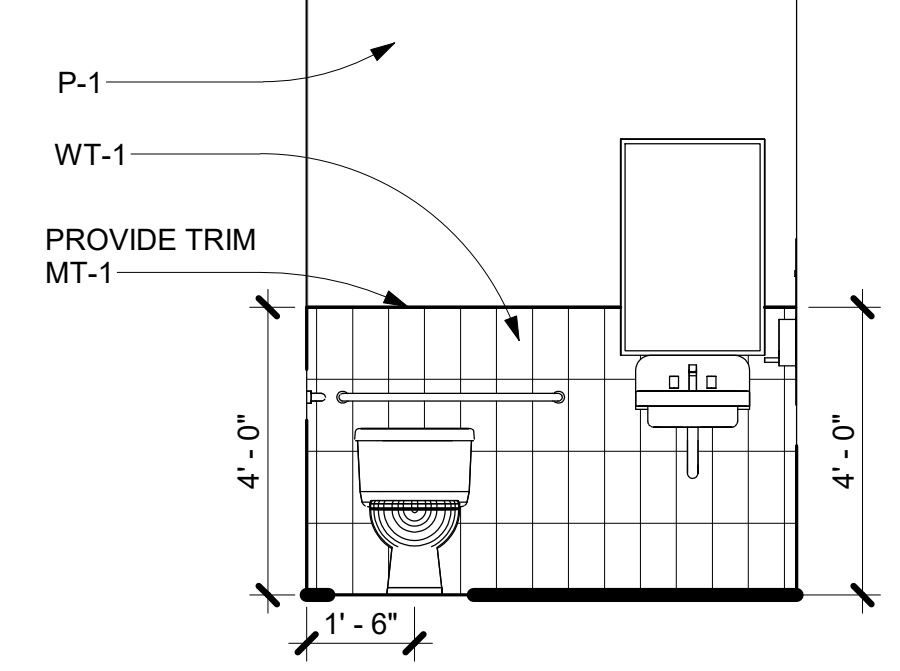


8 RESTROOM #107
SCALE: 3/8" = 1'-0"



9 SINGLE TOILETS #122 & 123
SCALE: 1/4" = 1'-0"

ALPHA BLDG SET 06-24-2025



10 SINGLE TOILETS #122 & 123 - ELEV.
SCALE: 3/8" = 1'-0"

CHAMBLEE PUBLIC WORKS
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CITY OF CHAMBLEE

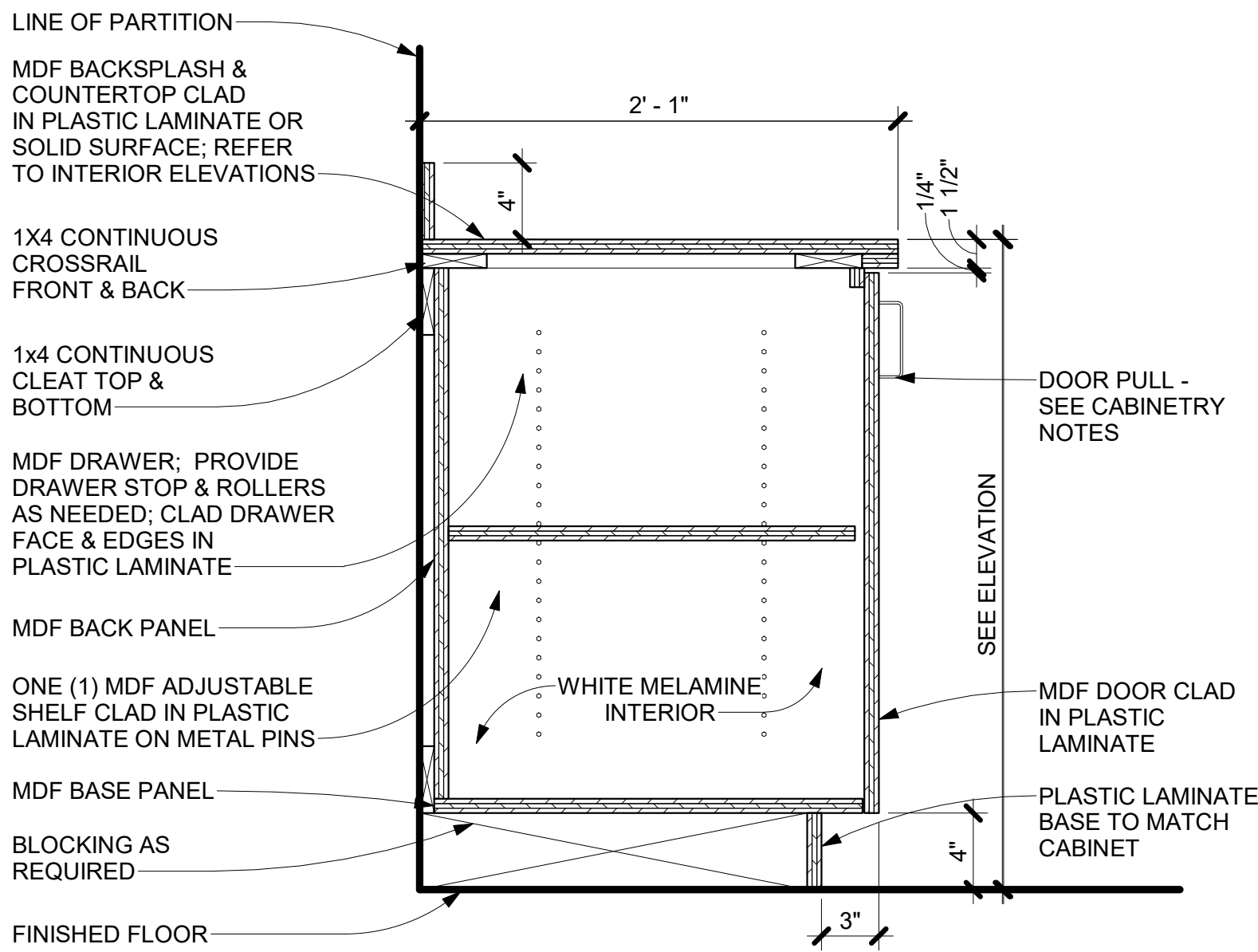
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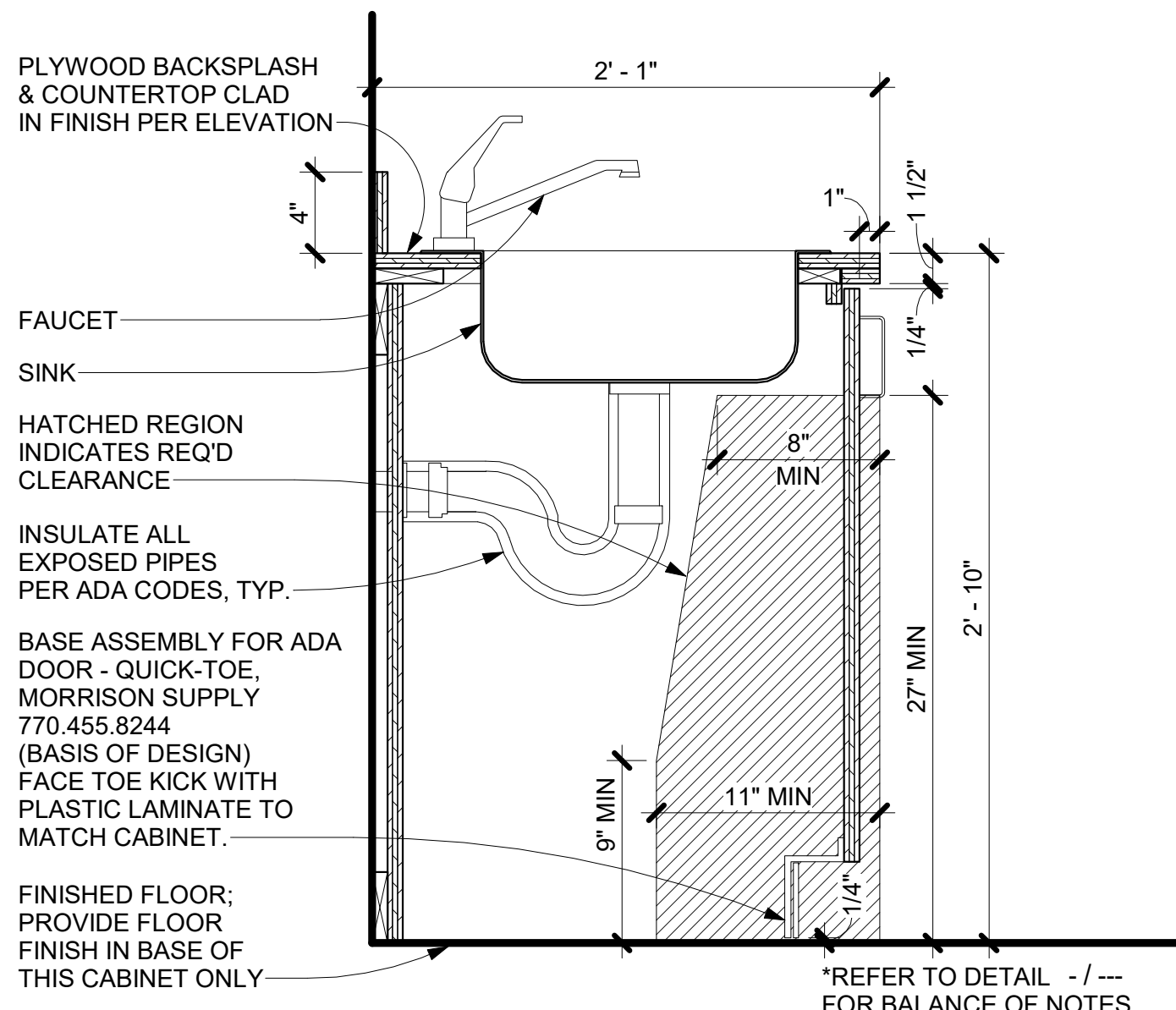
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| Sheet No. | |

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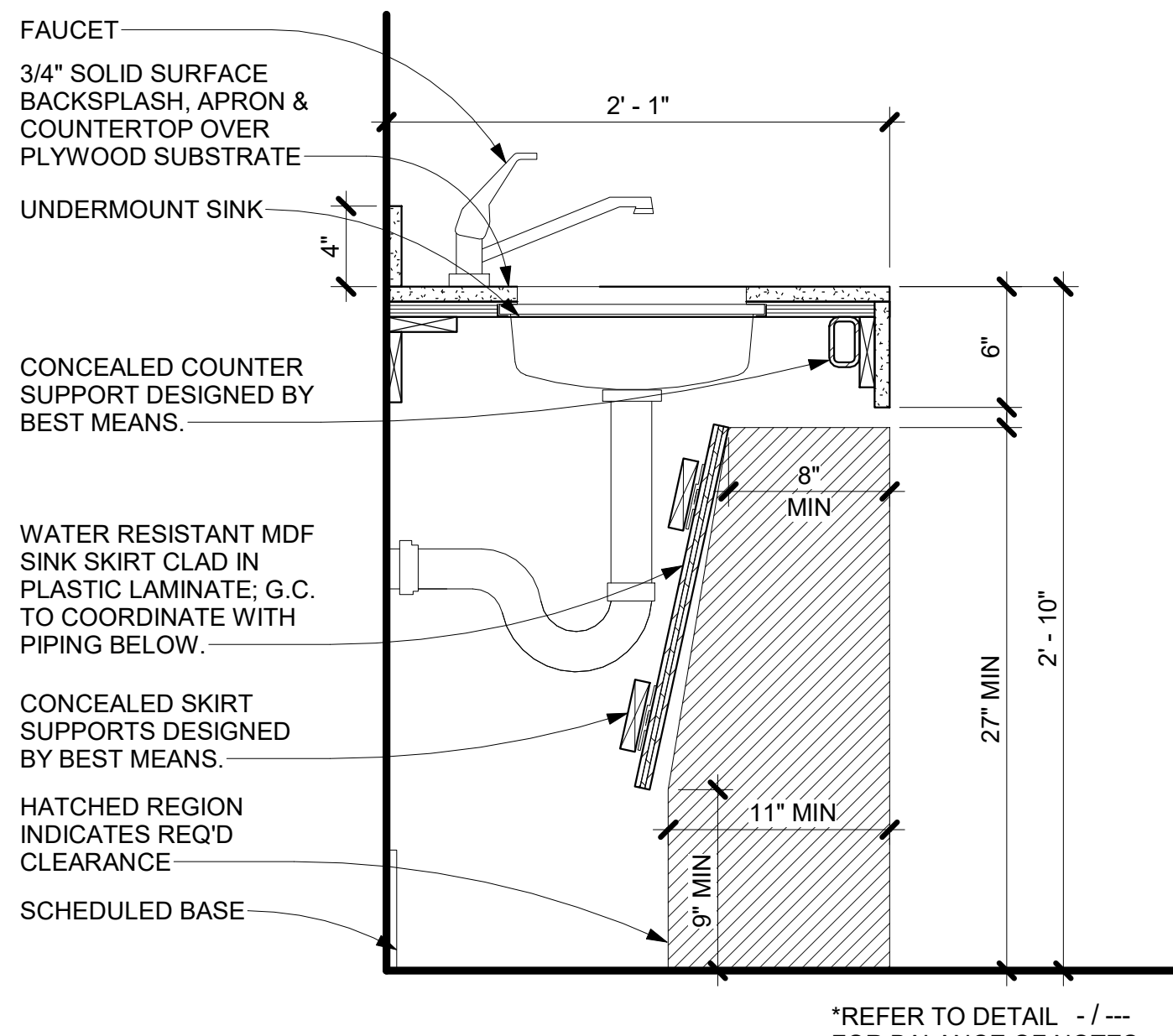
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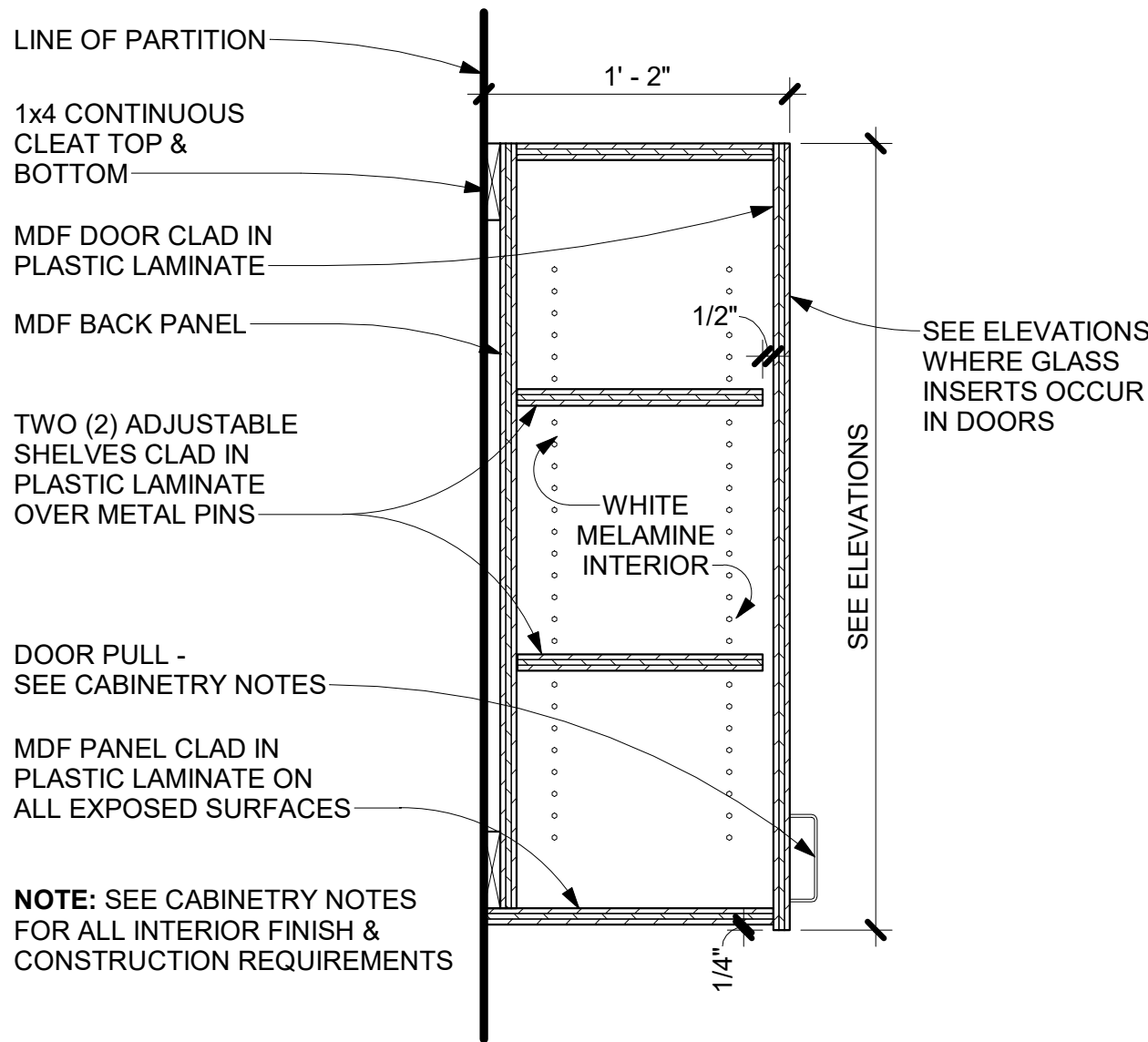
1 BASE CABINET - DOOR
SCALE: 1 1/2" = 1'-0"



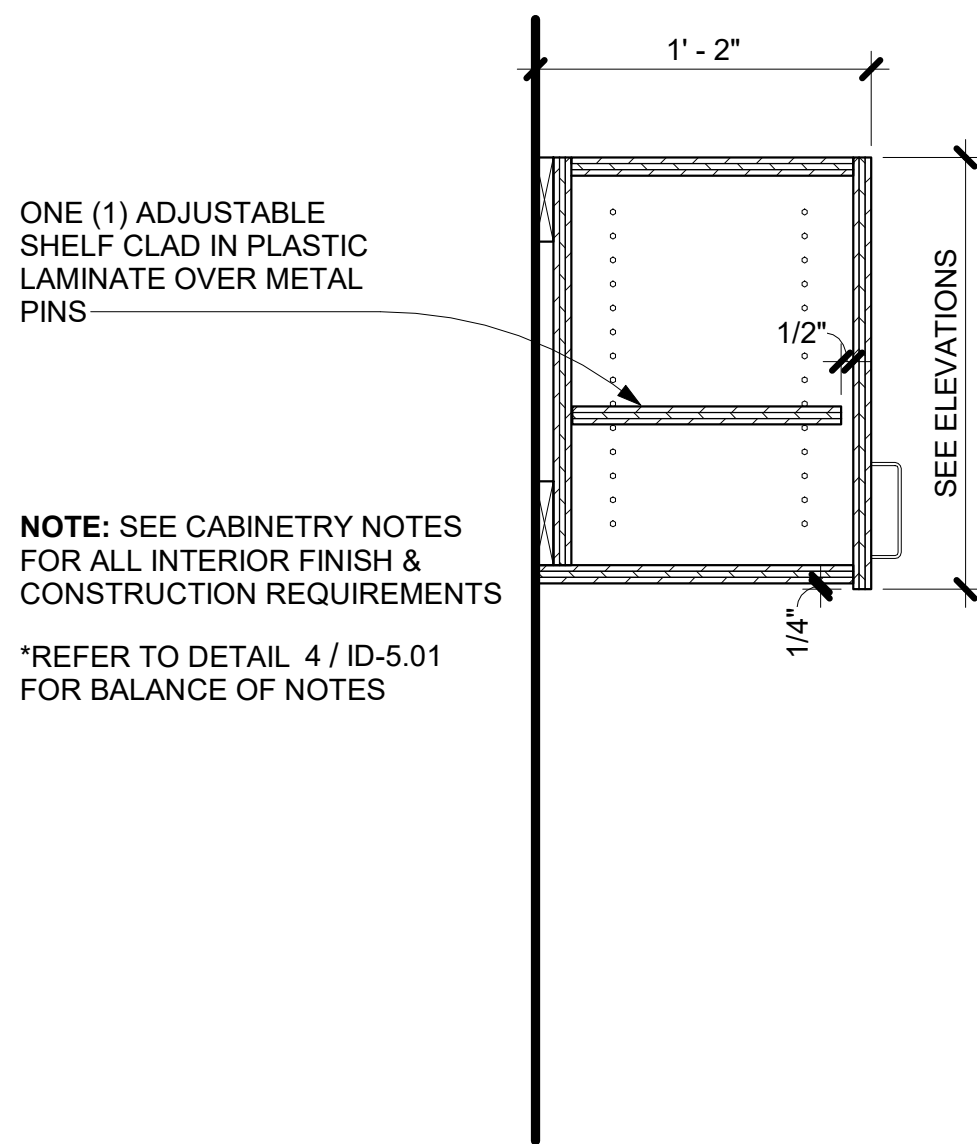
2 BASE CABINET - ACCESSIBLE SINK
SCALE: 1 1/2" = 1'-0"



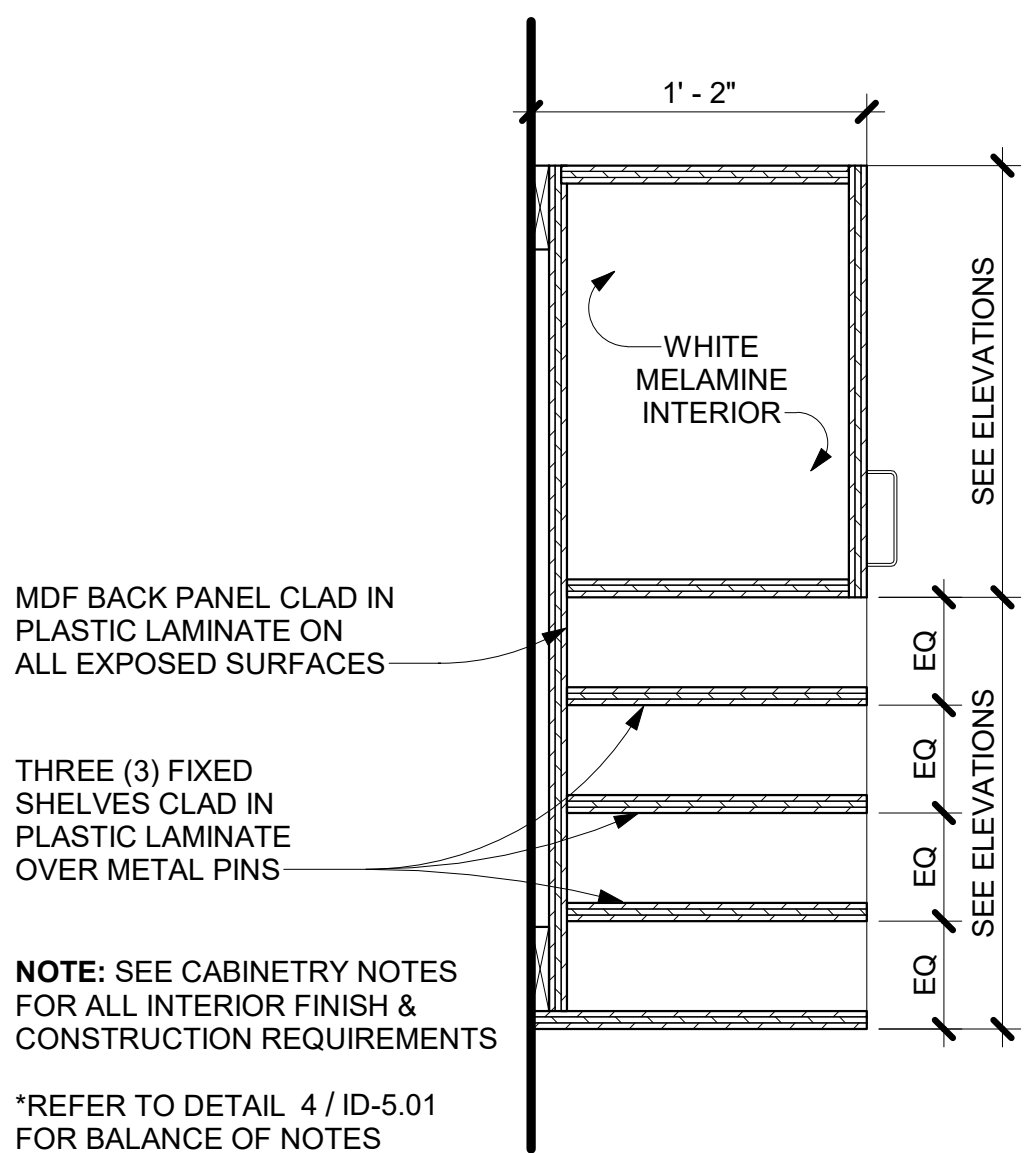
3 COUNTERTOP - ACCESSIBLE SINK
SCALE: 1 1/2" = 1'-0"



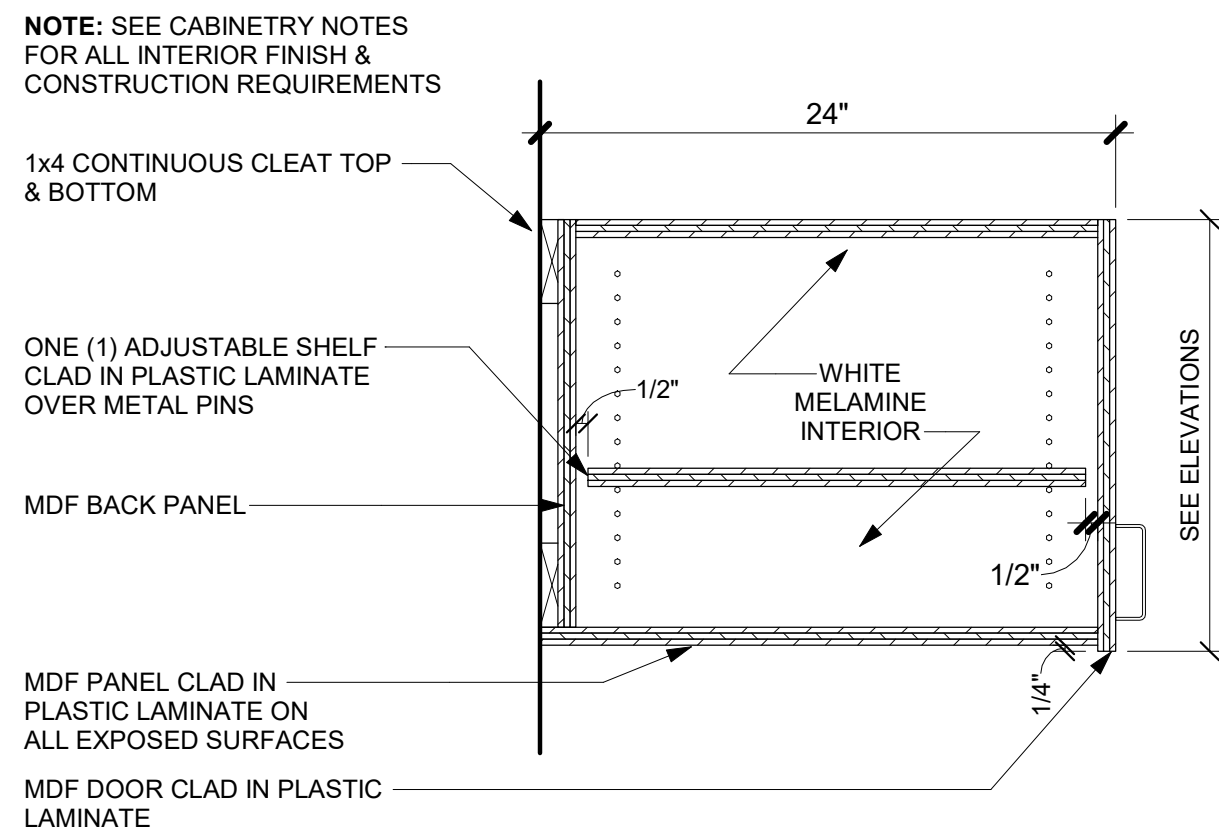
4 UPPER CABINET - DOOR
SCALE: 1 1/2" = 1'-0"



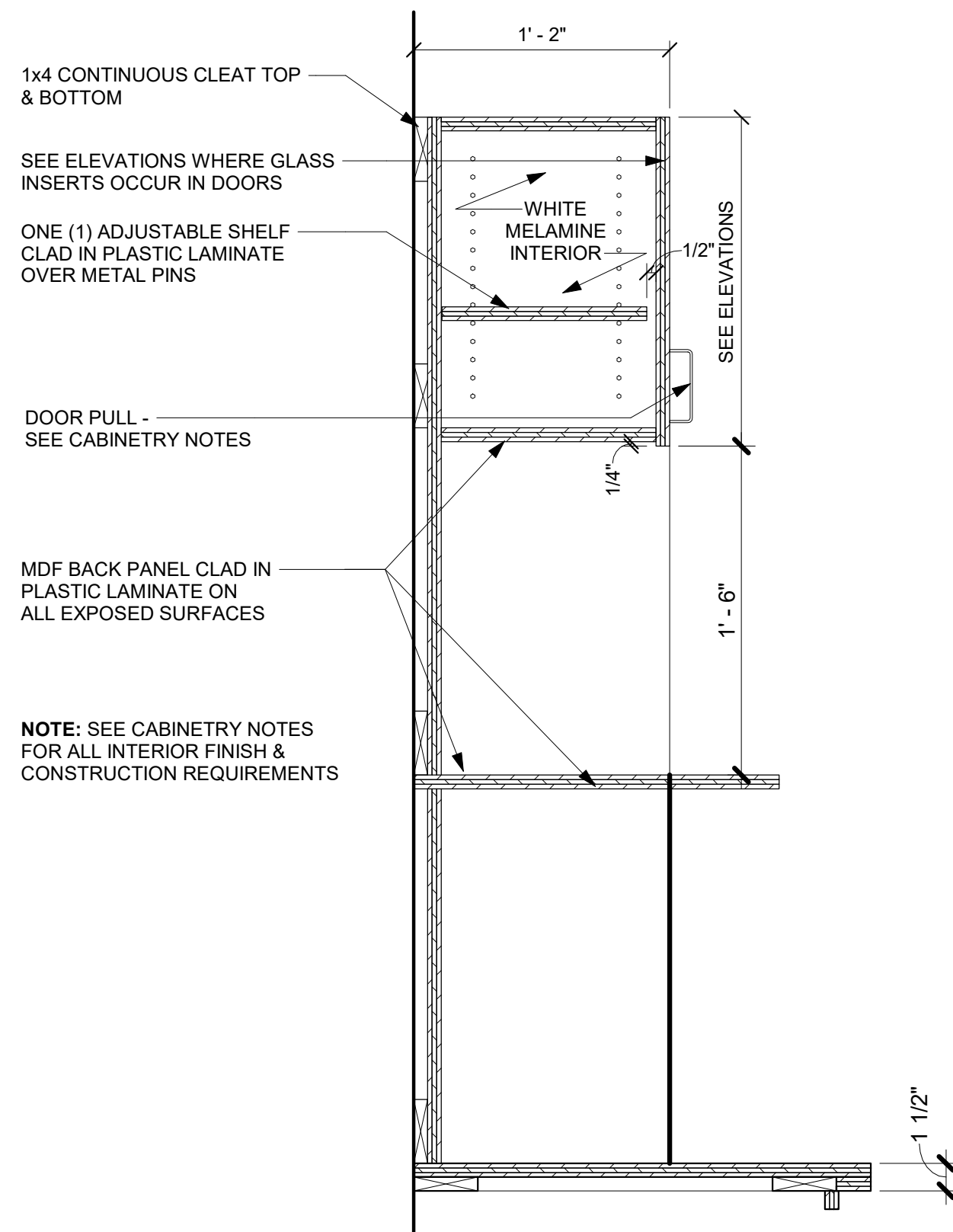
5 UPPER CABINET - DOOR OVER SINK
SCALE: 1 1/2" = 1'-0"



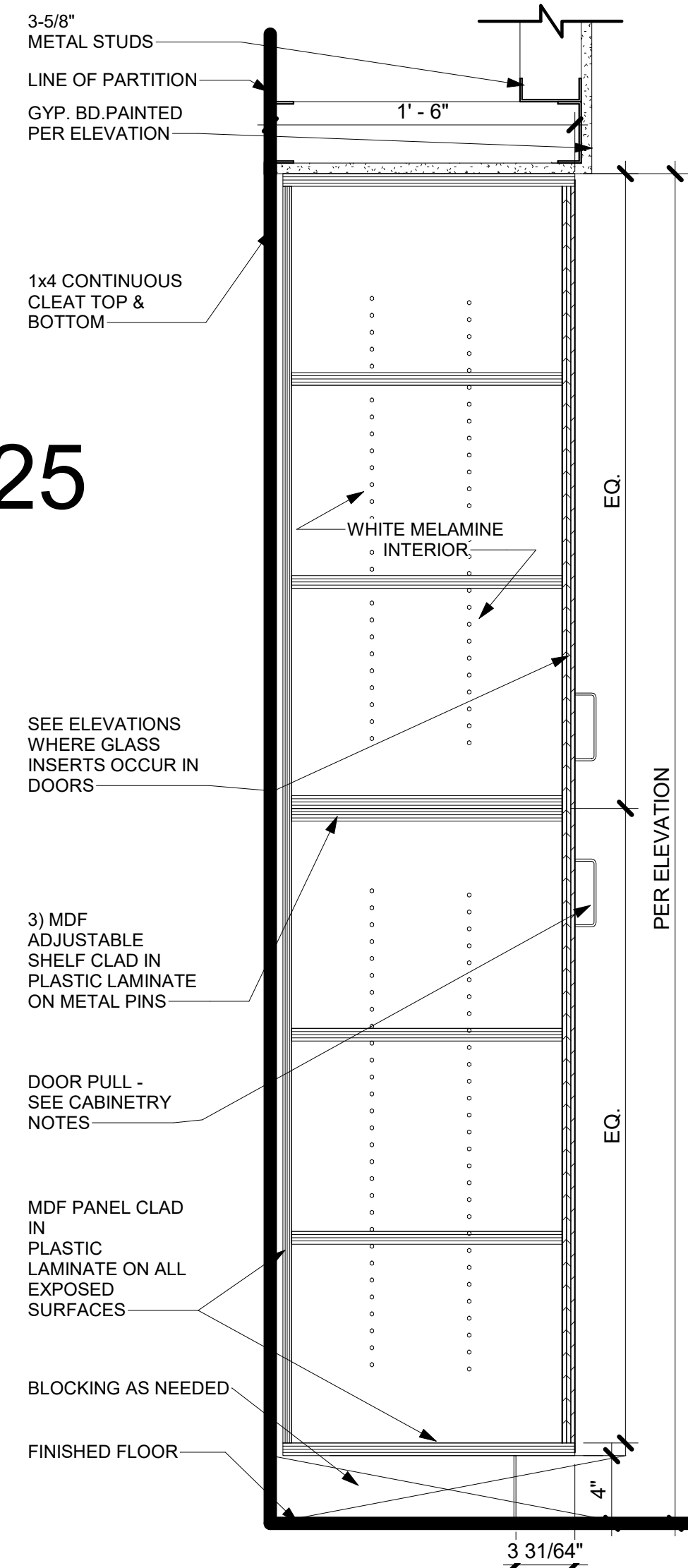
7 UPPER CABINET - DOOR & SLOTS
SCALE: 1 1/2" = 1'-0"



8 UPPER CABINET - CUBBIES
SCALE: 1 1/2" = 1'-0"



9 UPPER CABINET - CUBBIES
SCALE: 1 1/2" = 1'-0"



6 TALL CABINET
SCALE: 1 1/2" = 1'-0"

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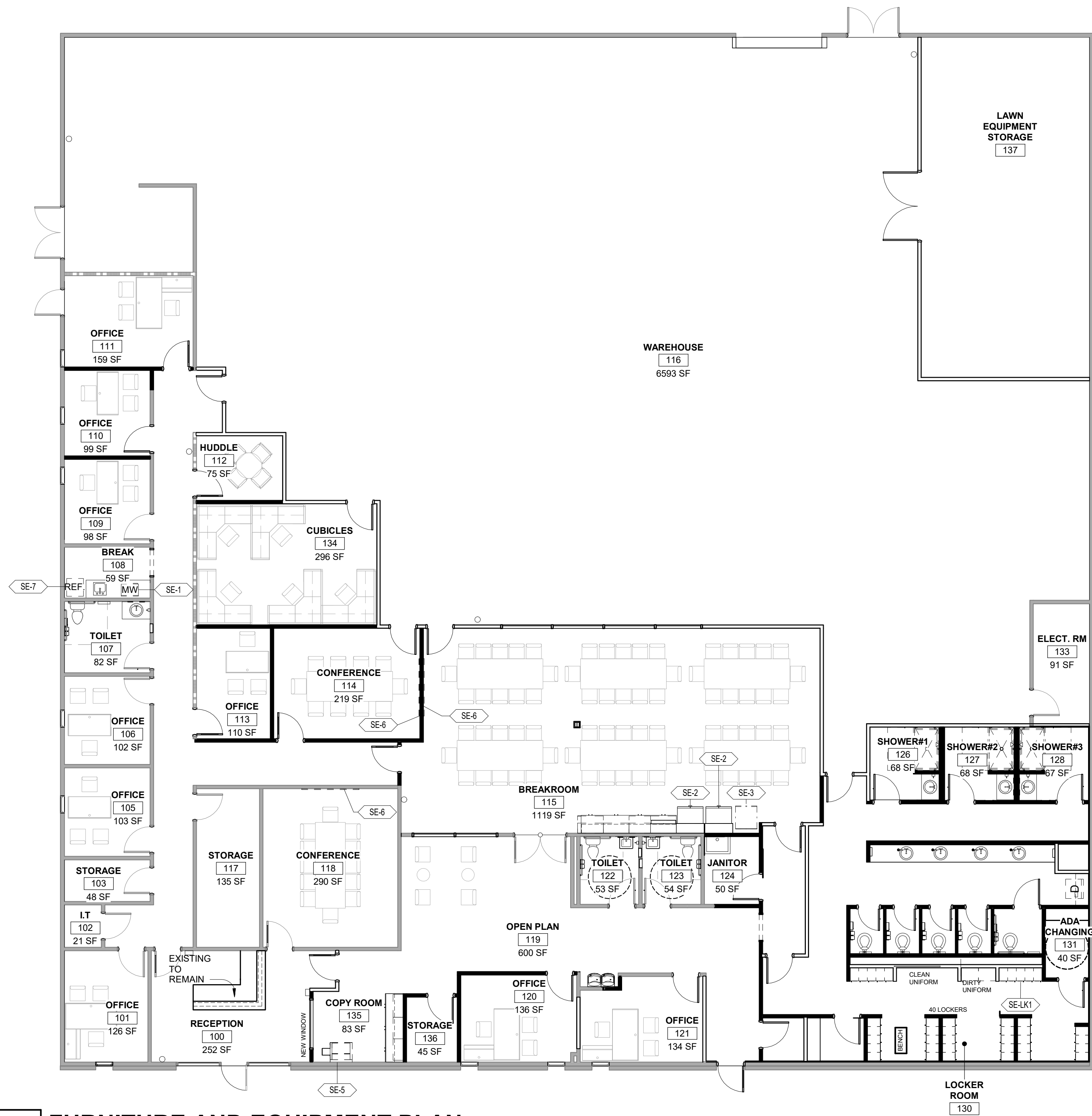
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| Date 02/21/2025 | Job No. 24010 |

Sheet Title
**INTERIOR SECTIONS
& DETAILS**

Sheet No.

ID-5.01

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1 FURNITURE AND EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"

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| SPECIALTY EQUIPMENT (S-) | | | | | | |
|--------------------------|------------------------------|--------------|-------|--------------|-------|-------------------|
| TAG NO. | DESCRIPTION | FURNISHED BY | | INSTALLED BY | | NOTES |
| | | CONTRACTOR | OWNER | CONTRACTOR | OWNER | |
| SE-1 | MICROWAVE | X | | X | | |
| SE-2 | REFRIGERATOR | X | | X | | |
| SE-3 | ICE MACHINE | X | | X | | |
| SE-5 | MULTIFUNCTION PRINTER/COPIER | | X | | X | |
| SE-6 | DIGITAL SCREEN 60" DIAG | | X | | X | SEE AV & LV DWGS. |
| SE-7 | SMALL REFRIGERATOR | X | | X | | |
| SE-LK1 | 2 TIER LOCKER | X | | X | | |



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| Date 02/21/2025 | Job No. 24010 |

Sheet Title
FURNITURE & EQUIPMENT PLAN

Sheet No.
ID-6.01
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FURNITURE, FIXTURE & EQUIPMENT GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE SCHEDULED ITEMS WITH OWNER AND OWNER'S EQUIPMENT REPRESENTATIVE. THIS INCLUDES VERTICAL AND HORIZONTAL MOUNTING HEIGHTS OF ALL DEVICES, COORDINATION WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING.
2. LOW VOLTAGE BY OWNER'S EQUIPMENT REPRESENTATIVE, U.N.O.
3. FURNITURE & EQUIPMENT SHOWN HATCHED IS TO BE PROVIDED BY OWNER.
4. GENERAL CONTRACTOR TO COORDINATE WITH OWNER/OWNER REPRESENTATIVE ON DELIVERY SCHEDULE AND INSTALLATION FOR ALL FFE.
5. FURNITURE TO RECEIVE FINAL CONNECTIONS FROM LOW-VOLTAGE CONTRACTOR TO ALL FURNITURE REQUIRING ELECTRICAL SUCH AS TABLES, WORKSTATIONS, CONFERENCE TABLES, ETC.

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| LEGEND - PLUMBING | | |
|-------------------|--------|---|
| SYMBOLS | ABBRV. | DESCRIPTION |
| ---- | S OR W | SANITARY OR WASTE PIPING BELOW FLOOR OR GRADE |
| ---- | S OR W | SANITARY OR WASTE ABOVE GROUND |
| | V | VENT PIPING |
| ---- | CW | DOMESTIC COLD WATER |
| ---- | HW | DOMESTIC HOT WATER |
| ---- | HWR | HOT WATER REGULATE |
| ---- | G | NATURAL GAS PIPING |
| ○ | VTR | SANITARY VENT THROUGH ROOF |
| ⊙ | FD | FLOOR DRAIN |
| HD | HD | HUB DRAIN |
| — — | CO | CLEANOUT |
| —⊙— | FCO | FLOOR CLEANOUT |
| — — | WCO | WALL CLEANOUT |
| — — | NFWH | NON FREEZE WALL HYDRANT |
| — — | BV | BALL VALVE |
| — — | CV | CHECK VALVE |
| — — | BC | BALANCING COCK OR VALVE |
| — — | WHA | WATER HAMMER ARRESTOR (F.D.) SIZE |
| — — | BFP | BACKFLOW PREVENTER ASSEMBLY |
| — — | RPZ | REDUCED PRESSURE ZONE (BFP) |
| — — | FRV | PRESSURE REDUCING VALVE |
| — — | T & P | TEMPERATURE AND PRESSUER RELIEF VALVE |
| — — | TP | TRAP PRIMER |
| — — | | PRESSURE GAUGE WITH GAUGE COCK |
| — — | | THERMOMETER |
| — — | | UNION |
| — — | | STRAINER |
| | I.E. | INVERT ELEVATION |
| — — | | DIRECTION OF FLOW IN PIPE |
| — — | | DIRECTION OF PITCH OF PIPE |
| | | CONNECT TO EXISTING |
| ⊗ | | REFER TO PLUMBING KEYNOTES |
| ~ | | CONTINUE TO DESIGNATED LOCATION |
| | AFG | ABOVE FINISHED GRADE |
| | BFF | BELOW FINISHED FLOOR |
| | BFG | BELOW FINISHED GRADE |
| | A/C | ABOVE CEILING |
| | A/F | ABOVE FLOOR |
| | B/F | BELOW FLOOR |
| | B/G | BELOW GRADE |
| | AFF | ABOVE FINISHED FLOOR |
| | O/H | OVERHEAD |
| — — | | HUB DRAIN |
| — — | | P-TRAP |
| — — | | PIPING UP |
| — — | | PIPING DOWN |
| — — | | PIPING TEE |
| — — | | PLUMBING FIXTURE DESIGNATION |
| | °F | DEGREE FAHRENHEIT |
| | FT | FOOT |
| | GPM | GALLONS PER MINUTE |
| | RPM | REVOLUTIONS PER MINUTE |
| | ENT. | ENTERING |
| | LVG. | LEAVING |
| | PSI | POUNDS PER SQUARE INCH |
| | PH | PHASE |
| | GPH | GALLONS PER HOUR |
| | EFF | EFFICIENCY |
| | HP | HORSE POWER |
| | GAL | GALLON |
| | CFH | CUBIC FEET PER HOUR |
| | IN | INCH |
| | CD | CONDENSATE |

| SHEET LIST PLUMBING | |
|---------------------|--|
| SHEET NUMBER | SHEET NAME |
| P-0.01 | LEGENDS & SCHEDULES - PLUMBING |
| P-0.02 | DETAILS - PLUMBING |
| P-1.01 | DEMOLITION PLAN - PLUMBING |
| P-1.02 | FLOOR PLAN - PLUMBING |
| P-1.03 | ENLARGED FLOOR PLANS - DOMESTIC WATER |
| P-1.04 | ENLARGED FLOOR PLANS - SANITARY & VENT |
| P-2.01 | ISOMETRIC VIEW - SANITARY & VENT |

PLUMBING NOTES:
SEE SHEET P-0.02 FOR PLUMBING GENERAL NOTES.

| PLUMBING FIXTURE SCHEDULE | | | | | | |
|---------------------------|--|------|------|-------|--------|---|
| TAG | FIXTURE | CW | HW | WASTE | VENT | SPECIFICATION |
| WC-1 | WATER CLOSET - WALL MTD. | 1" | N/A | 4" | 2" | KOHLER 84325-0 (0.28 GPF) W/ BEM1655CT SEAT, MOEN 8310 (0.28 GPF) MANJAL FLUSH VALVE, WALL MOUNTED CARRIER |
| WC-2 | WATER CLOSET -WALL MTD - ADA | 1" | N/A | 4" | 2" | KOHLER 84325-0 (0.28 GPF) W/ BEM1655CT SEAT, MOEN 8310 (0.28 GPF) MANJAL FLUSH VALVE, WALL MOUNTED CARRIER ADA COMPLIANT INSTALLATION |
| WC-3 | WATER CLOSET - FLR MTD. TANK - ADA | 1" | N/A | 4" | 2" | KOHLER K-3939 (0.28 GPF) W/ BEM1655CT SEAT, ROUGH TANK CMOFLETE W/ COUPLING COMPONENTS, FLOOR MOUNTED ADA HEIGHT |
| LV-1 | LAVATORY - UNDERMOUNT - ADA | 1/2" | 1/2" | 2" | 1-1/2" | KOHLER K-2210 UNDERMOUNT LAVATORY W/ MOEN 8425 (0.5 GPM) FAUCET, A65E 1010 TMY, GRID STRAINER 1-1/4" X 1-1/2" P-TRAP, INSULATION KIT, A65E 1010 TMY SUPPLY STOPS, & ADA COMPLIANT INSTALLATION. |
| LV-2 | LAVATORY - WALL MOUNTED - ADA | 1/2" | 1/2" | 2" | 1-1/2" | KOHLER K-1128 WALL MOUNTED LAVATORY W/ MOEN 8425 (0.5 GPM) FAUCET, GRID STRAINER 1-1/4" X 1-1/2" P-TRAP, INSULATION KIT, SUPPLY STOPS, WALL MOUNTED CARRIER W/ FLOOR MOUNTED UPRIGHTS & ADA COMPLIANT INSTALLATION. |
| BK-1 | SINGLE COMP. SINK - BREAK ROOM | 1/2" | 1/2" | 2" | 1-1/2" | ELKAY STAINLESS STEEL SINK LRAD219, MOEN 8192 DECK MTD. FAUCET, W/ 4" CENTERS AND SPRAYER. PROVIDE P-TRAP, TAILPIECE AND WATER STOPS. |
| MS-1 | MOP SINK | 1/2" | 1/2" | 3" | 1-1/2" | WILLIAMS 9B-1902 RECEPTOR W/ MOEN 8124 VACUUM BREAK FAUCET, TILING FLANGE, & SPLASH CATCHER PANELS |
| SH-1 | SHOWER | 1/2" | 1/2" | 3" | 1-1/2" | "ARRAY" 9P3260C SHOWER PAN & WALL PANELS W/ CENTER DRAIN, WITH MOEN 8310 SHOWER HANDLE, MOEN 5204GBR16 GRAB BAR FAUCET, 1.5 GPM, W/ SLIDE BAR HANDSHOWER. PROVIDE 3" FLOOR DRAIN WITH TRAP PRIMER |
| DF-1 | DRINKING FOUNTAIN W/ BOTTLE FILLER - ADA | 1/2" | N/A | 2" | 1-1/2" | ELKAY L29TLB9LFP DUAL LEVEL DRINKING FOUNTAIN W/ BOTTLE FILLER, ELKAY LKAPREZL CANE APRON, 1-1/4" P-TRAP, SUPPLY STOP & ELECTRIC WATER COOLER W/ ADA COMPLIANT INSTALLATION. |
| WB-1 | WATER CONNECTION BOX | 1/2" | N/A | N/A | N/A | OATEY 39140 ICE MAKER BOX. 1/2 TURN BRASS HAMMER BALL VALVE, WATER HAMMER ARRESTOR, LOW LEAD, COPPER SWEAT. PROVIDE BACK FLOW PREVENTION. |
| NFWH | NON-FREEZE WALL HYDRANT | 3/4" | N/A | N/A | N/A | WOODFORD B65 SERIES, FLUSH MOUNT, RECESSED BOX, SELF-DRAINING, VACUUM BREAKER, LOCKABLE |
| FD | FLOOR DRAIN | N/A | N/A | 3" | N/A | JR SMITH 2000 WITH 6" TYPE B SQUARE ADJUSTABLE STRAINER WITH SATIN NCKEL BRONZE FINISH. PROVIDE WITH VANDAL PROOF SECURED TOP AND TRAP PRIMER |
| FCO | FLOOR CLEAN OUT | N/A | N/A | N/A | N/A | JR SMITH 4031 WITH TAPER THREAD BRONZE PLUG AND ROUND ADJUSTABLE SCORRIATED SECURED NCKEL BRONZE TOP. |
| EX | EXISTING PLUMBING FIXTURE | N/A | N/A | N/A | N/A | EXISTING PLUMBING FIXTURE |

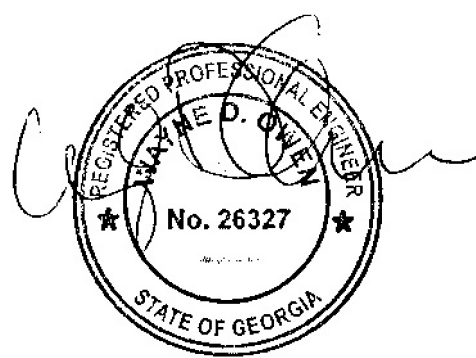
| ELECTRIC WATER HEATER SCHEDULE | | | | | | | | | |
|--|------------|----------------|----------|-------|----------------|-----------------|-------------|-----------------|-------|
| TAG | TANK (GAL) | NO. OF HEATERS | TOTAL KW | V/Ø | RECOVERY (GPH) | TEMP. RISE (°F) | SUPPLY (°F) | BASIS OF DESIGN | NOTES |
| WH-1 | 50 | 3 | 12.3 | 200/3 | 63 | 80 | 140 | AO SMITH DRE | 1 |
| NOTES: 1: DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. | | | | | | | | | |

| HOT WATER CIRCULATING PUMP SCHEDULE | | | | | | | | | |
|---|-----------------------|--------------------|-----------|-----|-------|-------|---------|---------------------|-------|
| TAG | TYPE | SERVICE | HEAD (FT) | GPM | WATTS | RPM | VOLT/PH | BASIS OF DESIGN | NOTES |
| RP-1 | CLOSED-COUPLE IN-LINE | DOMESTIC HOT WATER | 10 | 4 | 90 | 3,000 | 120/1 | BELL & GOSSETT: NBF | 1 2 3 |
| NOTES: 1: DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. 2: MOTOR SHALL BE PREMIUM EFFICIENCY. 3: BODY SHALL BE LEAD FREE BRONZE OR STAINLESS STEEL CONSTRUCTION. | | | | | | | | | |

| MIXING VALVE SCHEDULE | | | | | | | |
|---|----------------|----------------|------------------|-----------------------|-----------------------|-----------------|-------|
| TAG | MIN FLOW (GPM) | MAX FLOW (GPM) | PRES. DROP (PSI) | ENT. WATER TEMP. (°F) | LVG. WATER TEMP. (°F) | BASIS OF DESIGN | NOTES |
| MV-1 | 0.5 | 4.08 | 10 | 140 | 130 | LEONARD: 210-LF | 1 2 |
| NOTES: 1: TRANSITION TO PIPE SIZES SHOWN ON DRAWING AT VALVE INLET/OUTLET. 2: A65E STANDARD 1011 COMPLIANT. | | | | | | | |



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CHAMBLEE, GEORGIA 30341

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| Drawn By CM | Checked By KB |
| Date 02/21/2025 | Job No. 24010 |

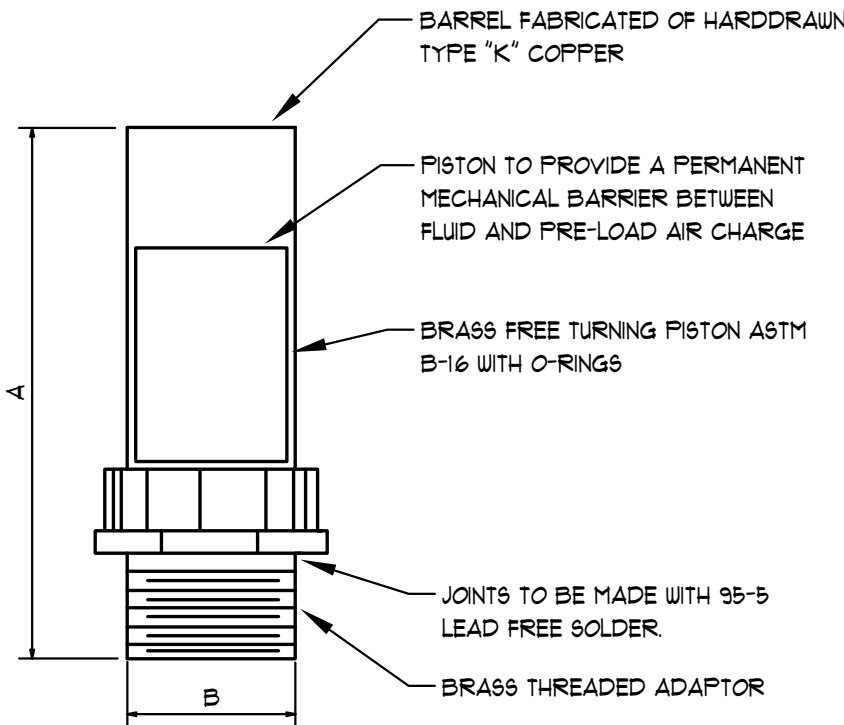
Sheet Title
LEGENDS & SCHEDULES - PLUMBING

Sheet No.

P-0.01

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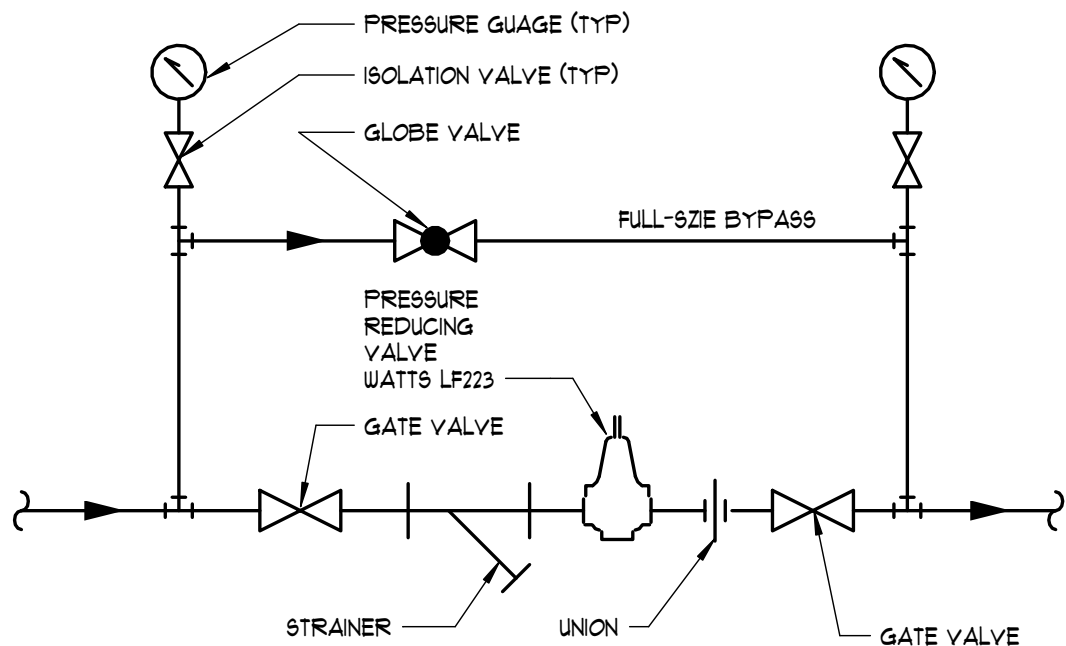
ALPHA BLDG SET 06-24-2025



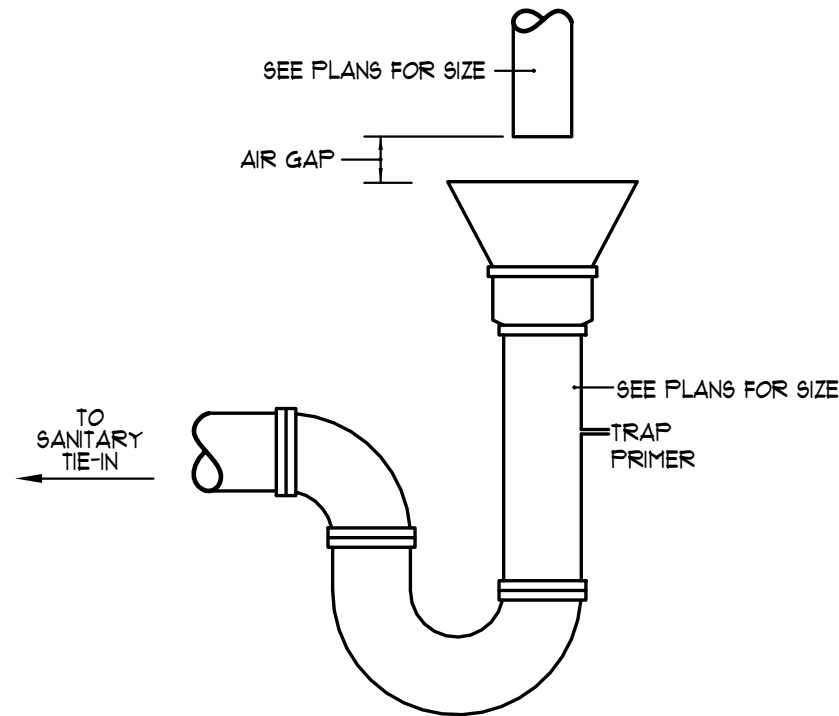
| PPP SIZE | P.D.I. SYMBOL | FIXTURE UNIT RATINGS | A SIZE | B SIZE |
|----------|---------------|----------------------|--------|--------|
| 1/2" | A | 1 - 11 | 5" | 1/2" |
| 3/4" | B | 12 - 32 | 5" | 3/4" |
| 1" | C | 33 - 60 | 7" | 1" |
| 1-1/4" | D | 61 - 113 | 7" | 1-1/4" |
| 1-1/2" | E | 114 - 154 | 9" | 1-1/2" |
| 2" | F | 155 - 330 | 9" | 2" |

NOTE: SHOCK ABSORBERS TO BE LOCATED ON EACH SUPPLY BRANCH THAT CONTAINS A FAST-ACTING VALVE (FLUSH VALVE, DISHWASHER, ICE MAKER, WASHING MACHINE, ETC.)

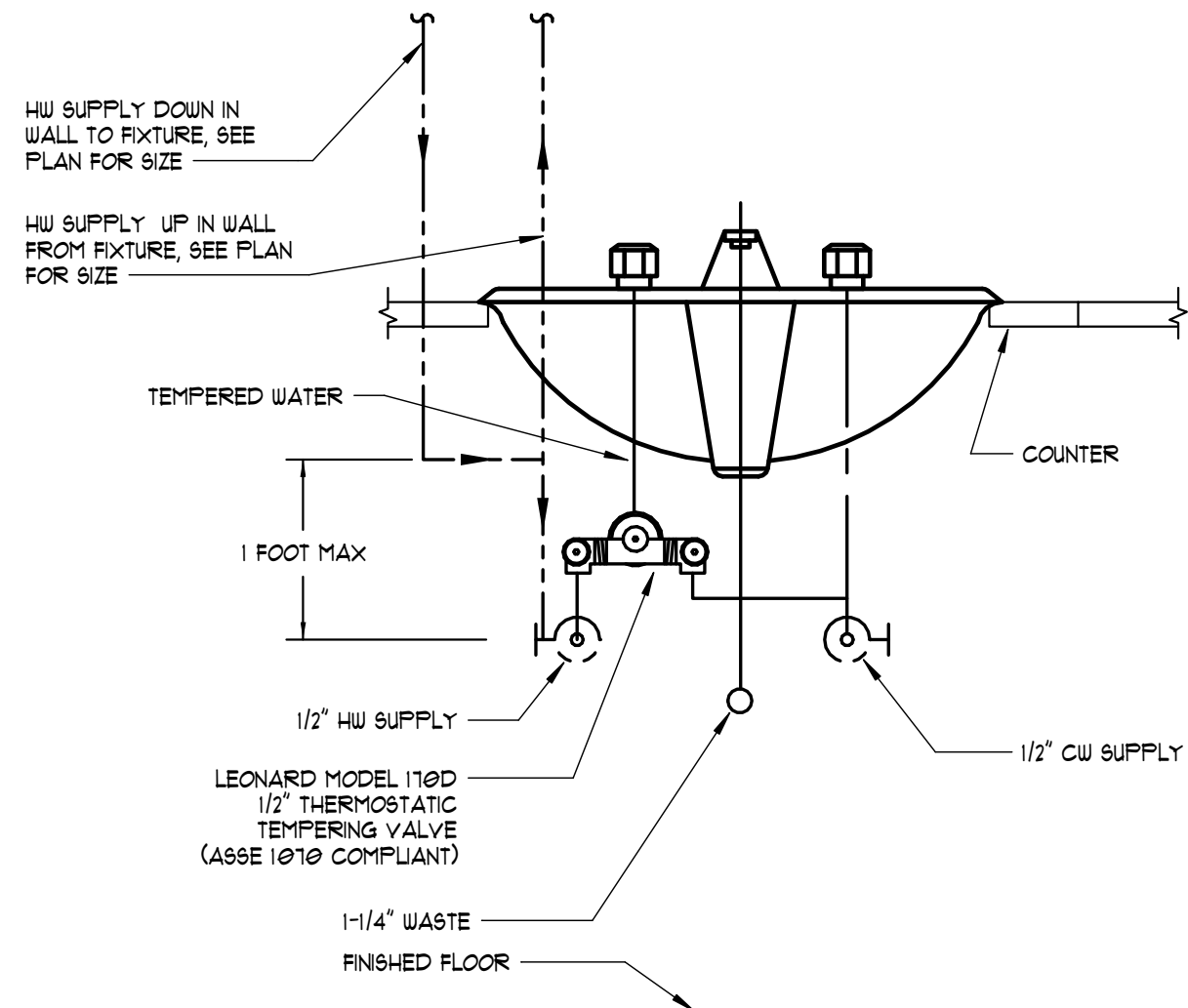
9 WATER SHOCK ARRESTOR DETAIL
NOT TO SCALE



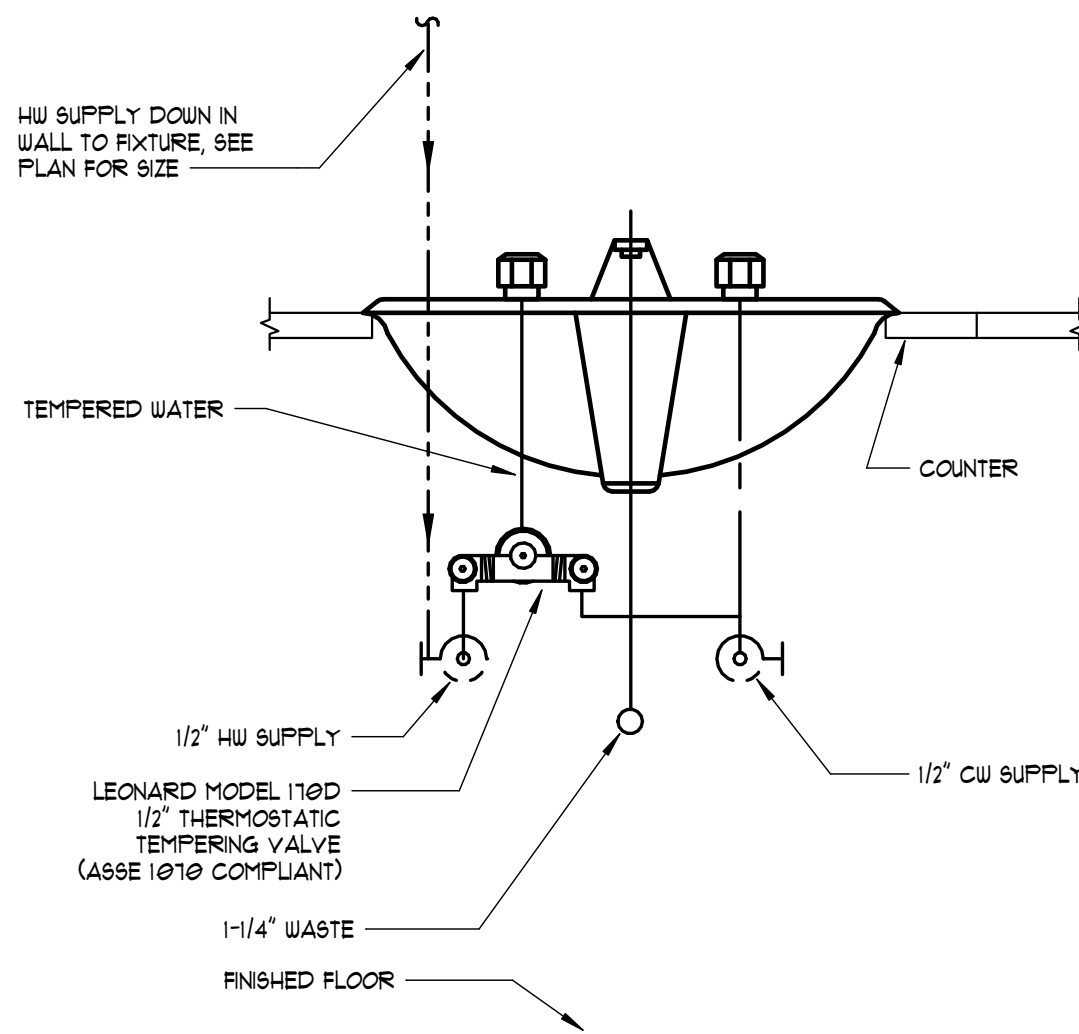
10 PRESSURE REDUCING VALVE STATION
NOT TO SCALE



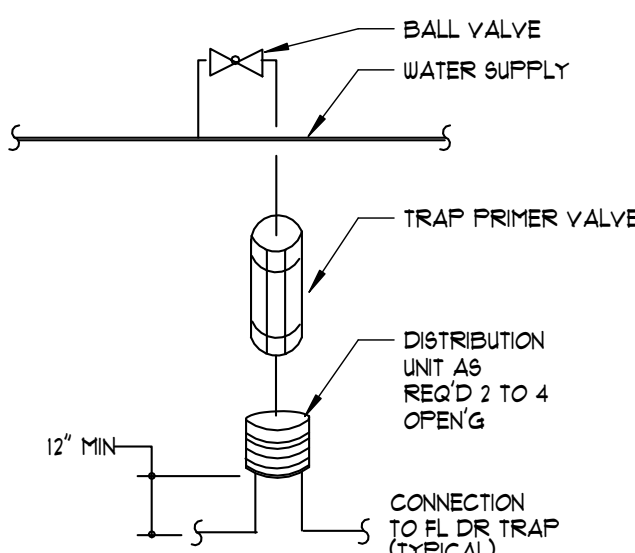
5 HUB DRAIN WITH FUNNEL DETAIL
NOT TO SCALE



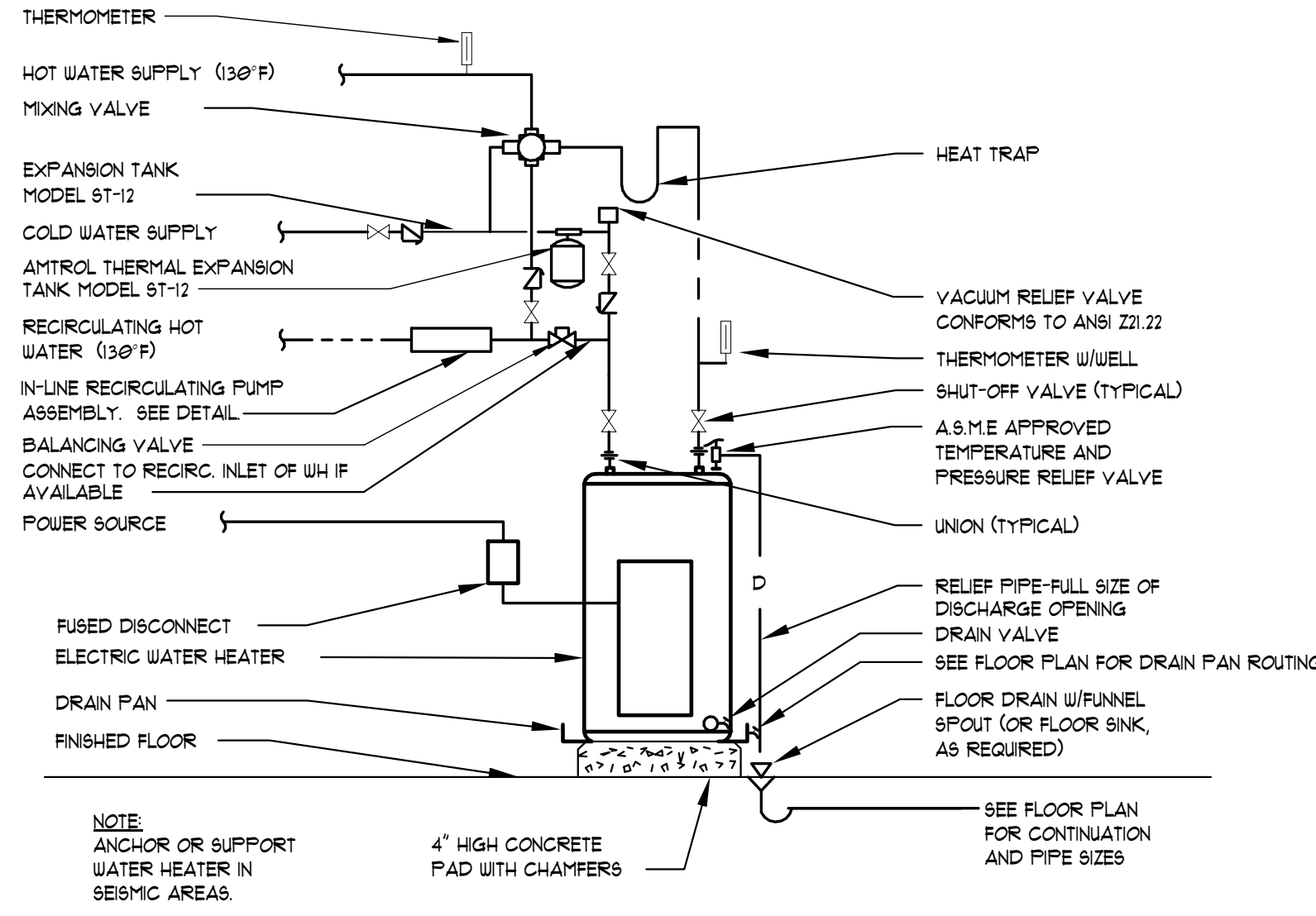
6 LOCAL MIXING VALVE DETAIL
NOT TO SCALE



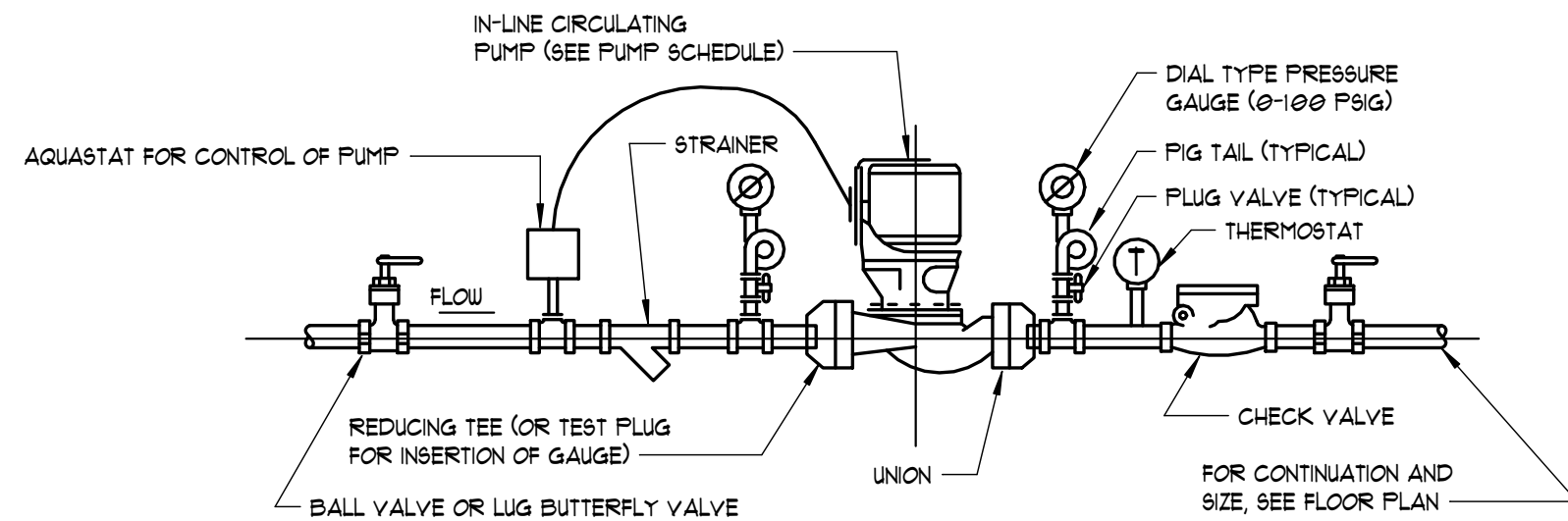
7 LOCAL MIXING VALVE DETAIL NO LOOP
NOT TO SCALE



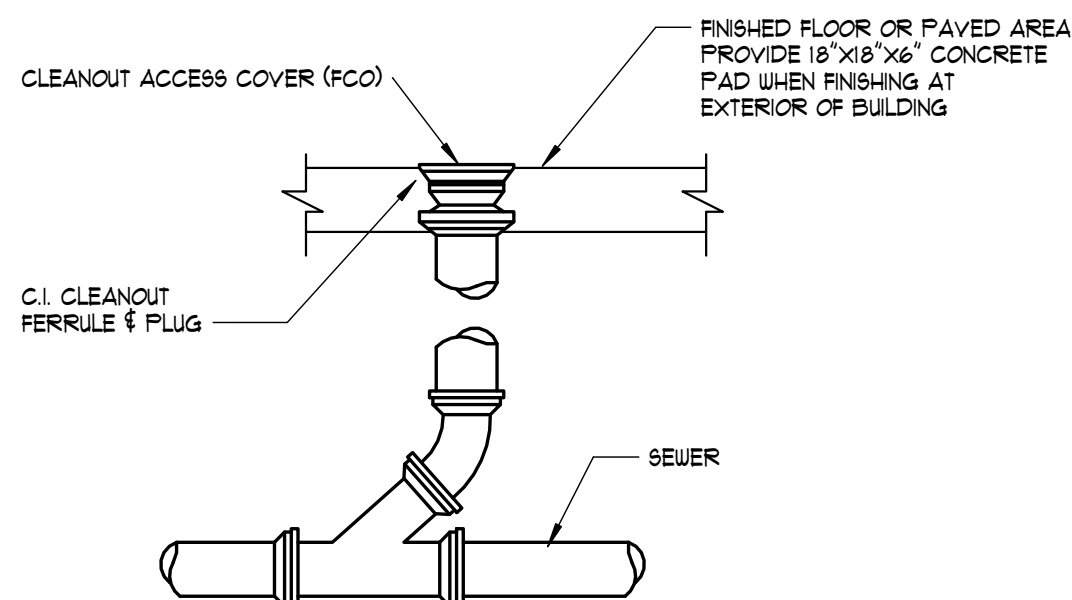
8 TRAP PRIMER DETAIL
NOT TO SCALE



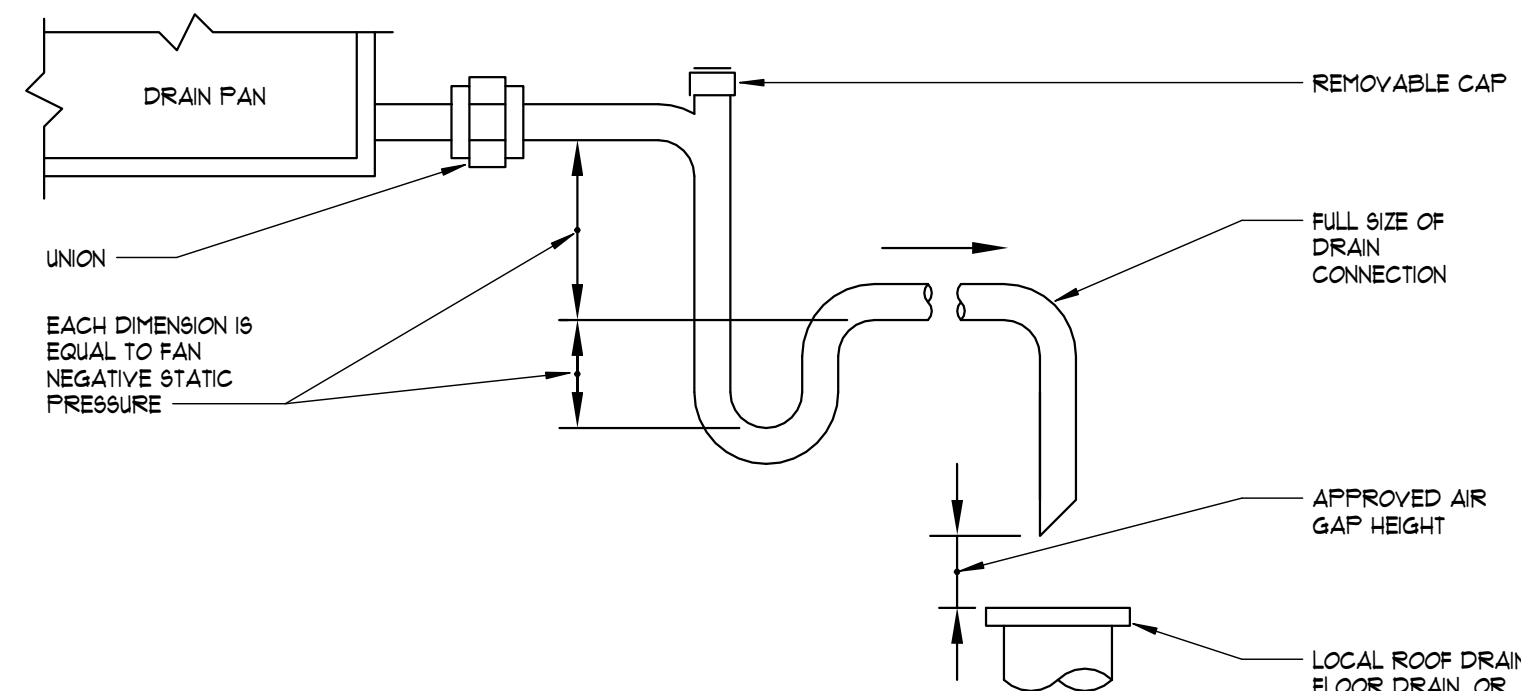
1 ELECTRIC WATER HEATER DETAIL
NOT TO SCALE



2 IN-LINE CIRCULATING PUMP DETAIL
NOT TO SCALE



3 CLEANOUT DETAIL
NOT TO SCALE



4 CONDENSATE DRAIN DETAIL
NOT TO SCALE



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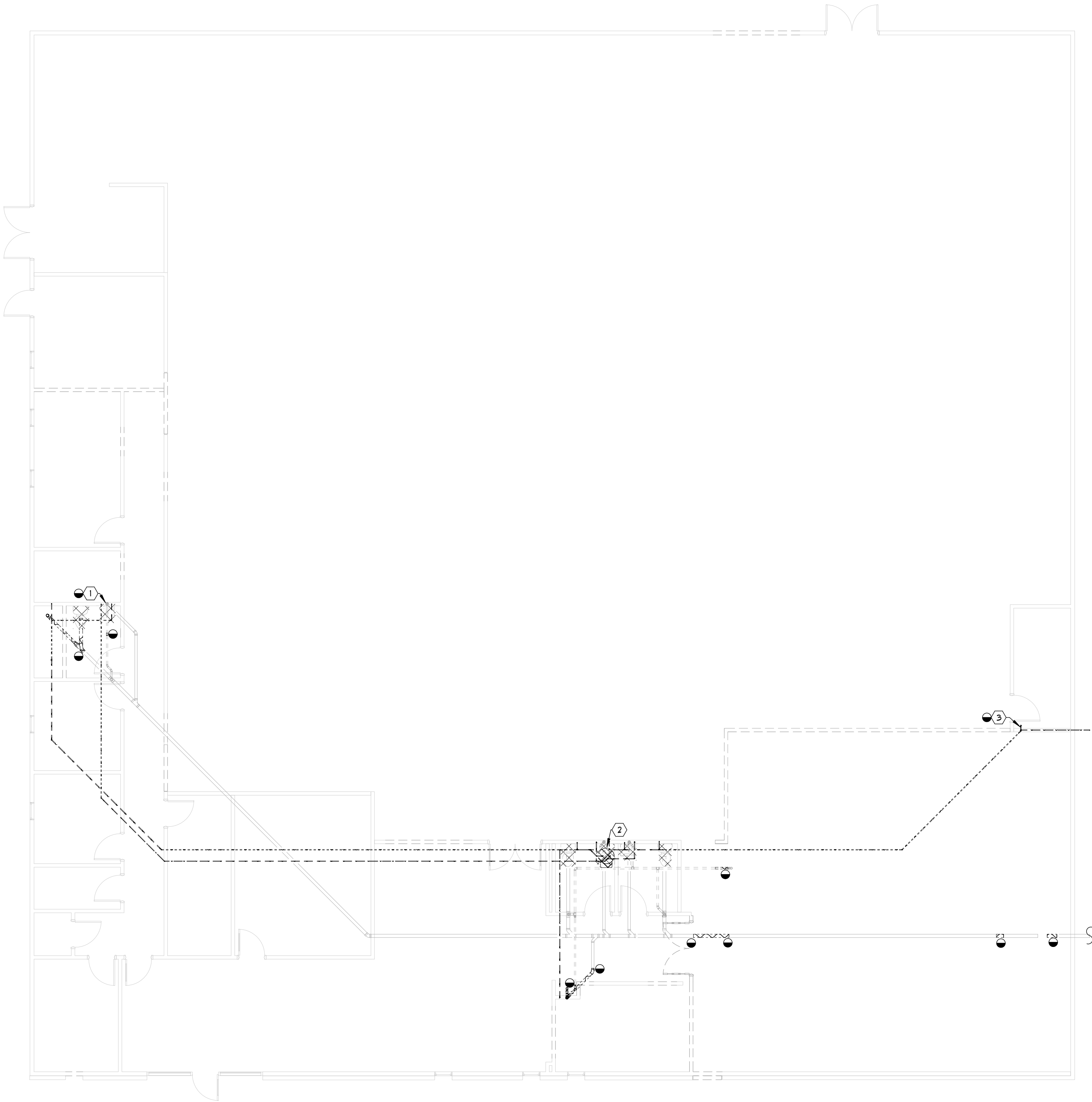
Sheet Title: DETAILS - PLUMBING

Sheet No.:

P-0.02

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1

DEMOLITION PLAN - PLUMBING

1/8" = 1'-0"

GENERAL NOTES:

- PIPING AT LIMITS OF DEMOLITION SHALL BE CAPPED, SEALED AND INSULATED WITH MATERIALS OF LIKE KIND AND THICKNESS.

☒ ITEMS UNDERNEATH HATCHING TO BE DEMOLISHED.

KEY NOTES:

- EXISTING WALL MOUNTED SINK TO BE DEMOLISHED; EXISTING SANITARY AND VENT PIPING TO REMAIN FOR RECONNECTION TO NEW.
- DEMOLISH WATER HEATER IN MEZZANINE AND ALL HOT WATER PIPING.
- DEMOLISH FRY AND ALL COLD WATER PIPING INCLUDING INCOMING WATER SERVICE. REFER TO CIVIL DRAWINGS FOR WATER SERVICE LIMIT OF DEMOLITION.

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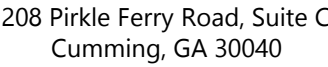
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Sheet Title
**DEMOLITION PLAN -
PLUMBING**

Sheet No.

P-1.01

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| 02/21/2025 | 24010 |

Sheet Title
**FLOOR PLAN -
PLUMBING**

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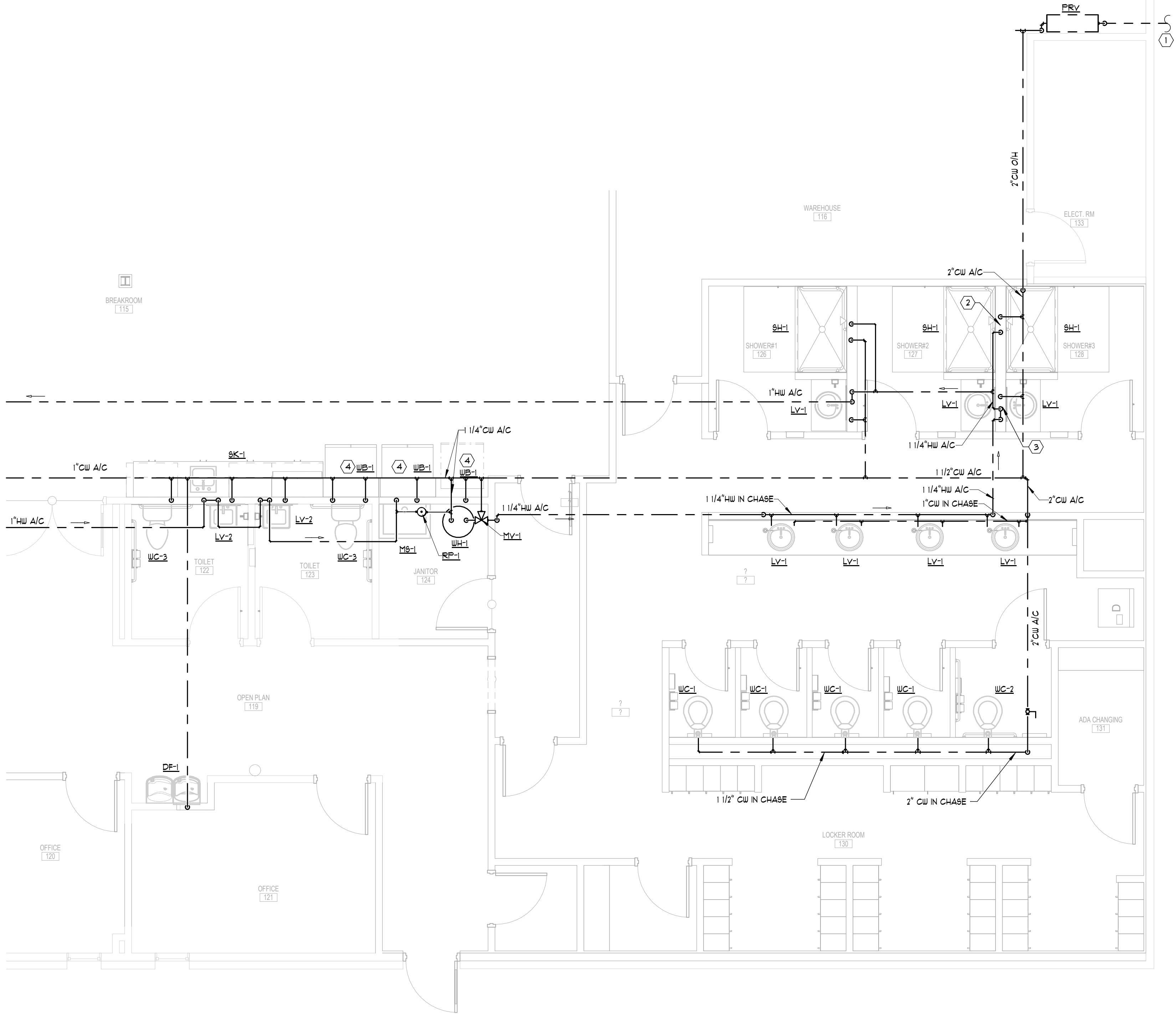
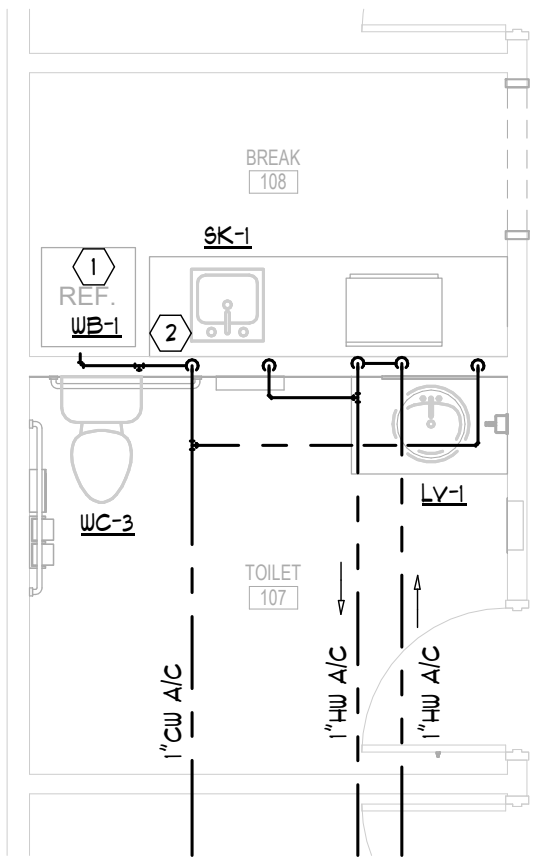
2

ENLARGED FLOOR PLAN - DOMESTIC WATER

1/4" = 1'-0"

KEY NOTES:

- COORDINATE HEIGHT AND LOCATION OF WATER CONNECTION BOX WITH ARCHITECTURAL PLANS. PROVIDE WITH INDIVIDUAL SHUTOFF VALVE AND BACKFLOW PREVENTION DEVICE.
- 1" CW DOWN IN WALL. ROUTE 1/2" CW TO SK-1, WB-1 & TO EXISTING WATER CLOSET.



1

ENLARGED LOCKER ROOM PLAN - DOMESTIC WATER

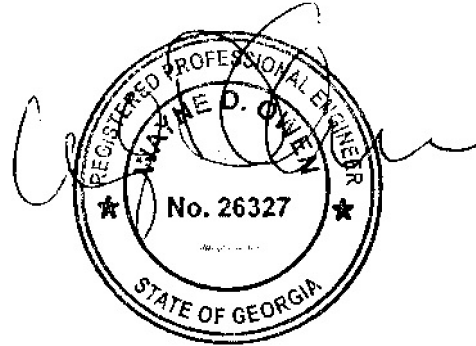
1/4" = 1'-0"

KEY NOTES:

- INCOMING DOMESTIC WATER SERVICE. SEE CIVIL FOR CONTINUATION.
- 3/4" HW AND CW DOWN IN WALL. ROUTE 1/2" HW AND CW TO EACH SH-1.
- 1-1/4" HW LOOP AND 3/4" CW DOWN IN WALL. ROUTE 1/2" HW AND CW TO EACH LV-1.
- COORDINATE HEIGHT AND LOCATION OF WATER CONNECTION BOX WITH ARCHITECTURAL PLANS. PROVIDE WITH INDIVIDUAL SHUTOFF VALVE AND BACKFLOW PREVENTION DEVICE.



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Sheet Title
**ENLARGED FLOOR
PLANS - DOMESTIC
WATER**

Sheet No.

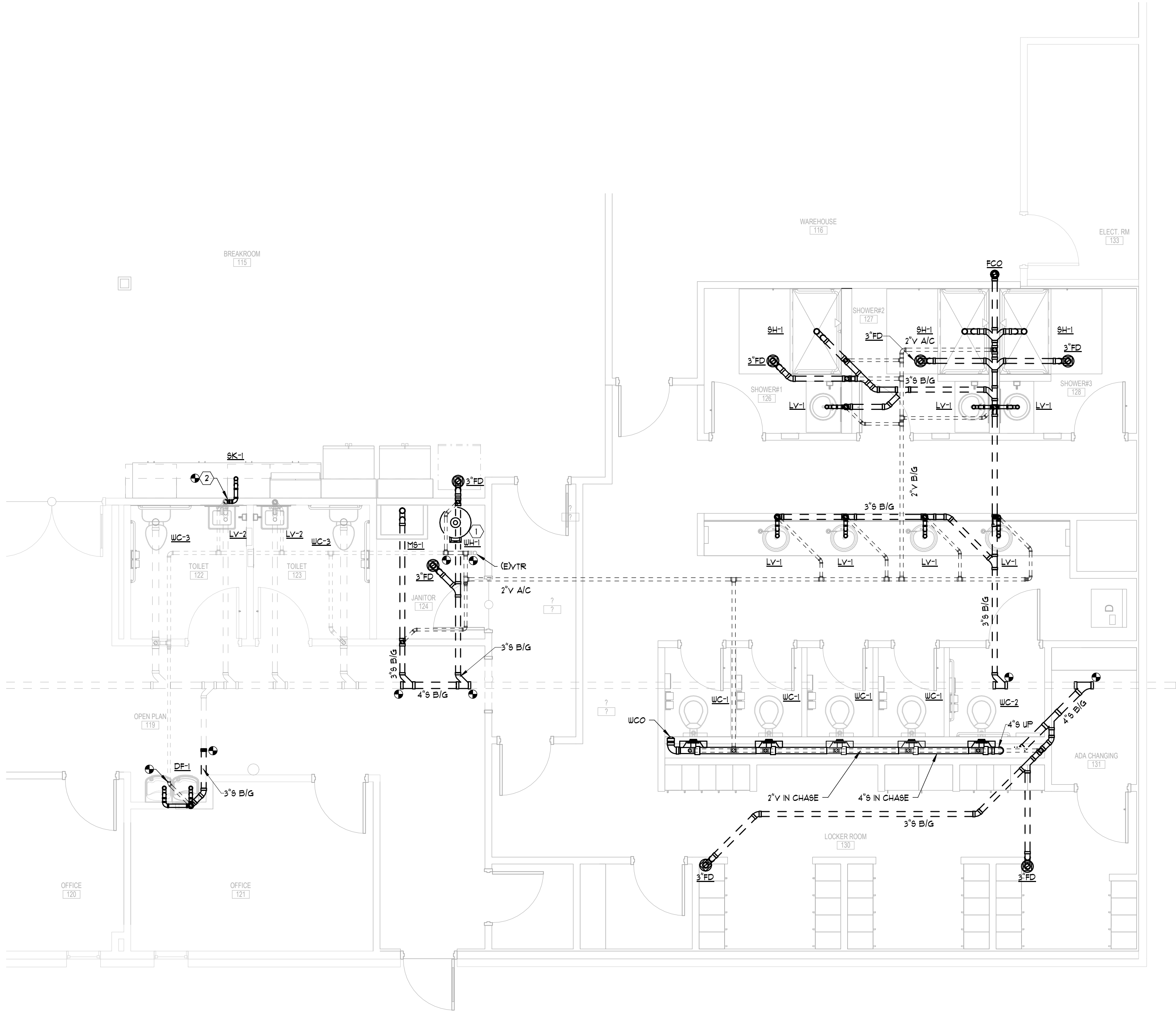
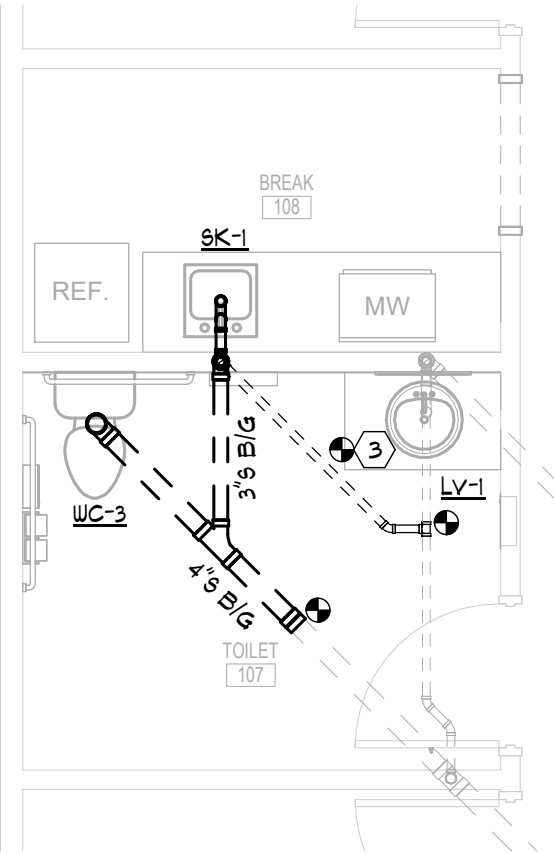
P-1.03

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2 ENLARGED FLOOR PLAN - SANITARY & VENT
1/4" = 1'-0"



1 ENLARGED LOCKER ROOM PLAN - SANITARY & VENT
1/4" = 1'-0"

KEY NOTES:

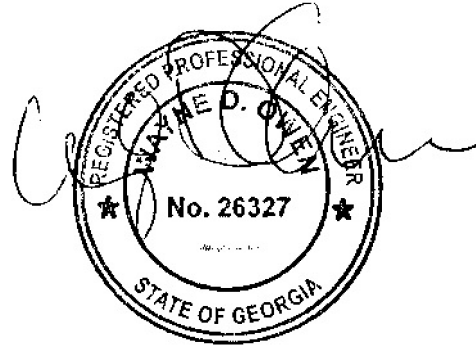
- 1 ROUTE DRAIN FROM WATER HEATER TO ADJACENT MOP SINK.
- 2 2" SANITARY IN WALL TO EXISTING SANITARY PIPING IN WALL.
- 3 RECONNECT EXISTING SANITARY TO NEW SINK.

SANITARY PIPING:

- CONTRACTOR TO FIELD VERIFY ACTUAL SIZE
LOCATION, DIRECTION OF FLOW AND DEPTH OF
EXISTING SANITARY PIPING BELOW GRADE.
- REFER TO STRUCTURAL SAW CUT DETAIL
2/8-3/8" FOR BELOW SLAB PIPING AND SLAB
REPLACEMENT SPECIFICATIONS



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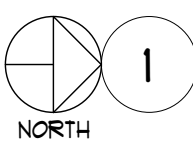
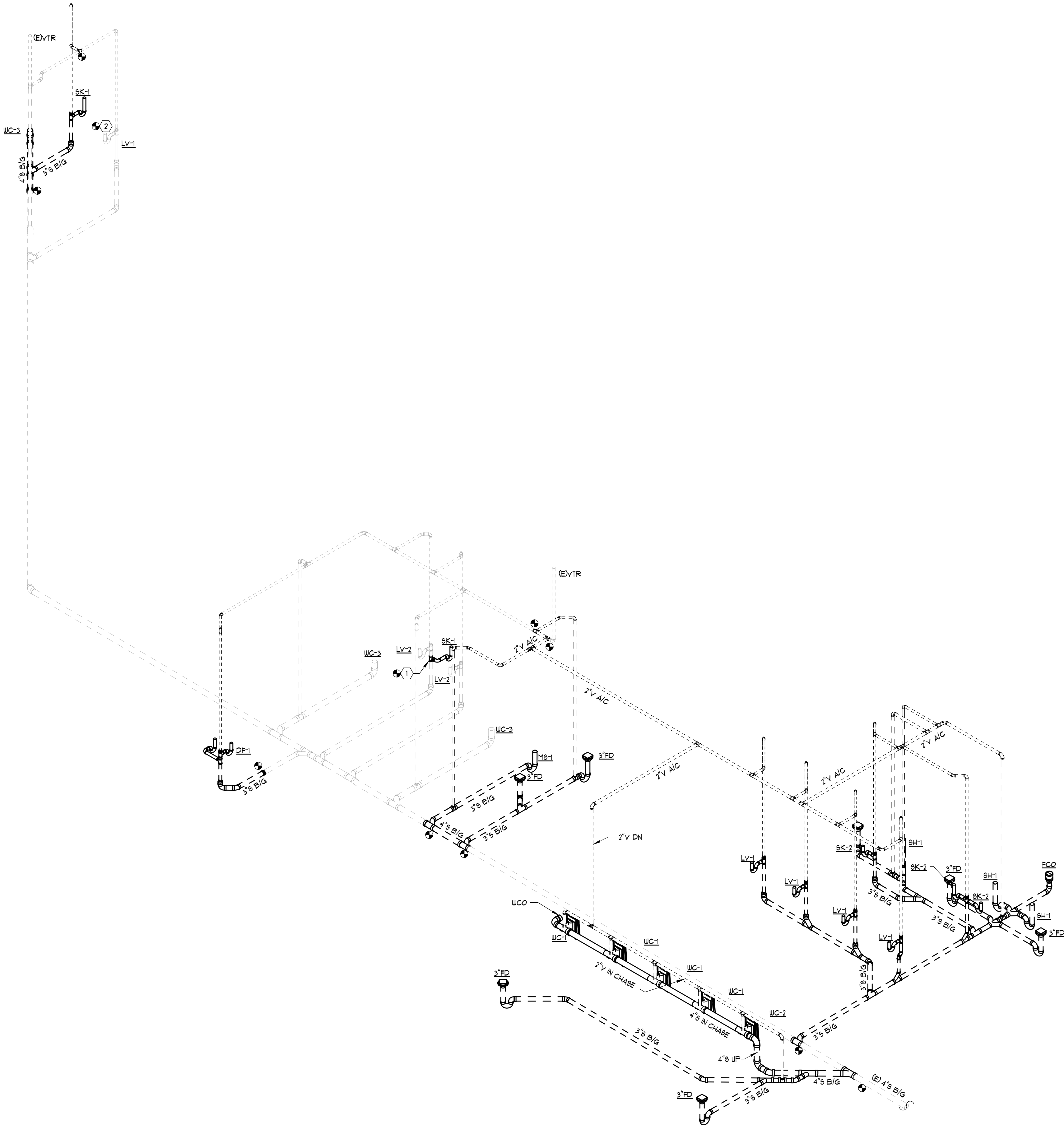
Sheet Title
ENLARGED FLOOR
PLANS - SANITARY &
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P-1.04

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1 ISOMETRIC VIEW - SANITARY & VENT

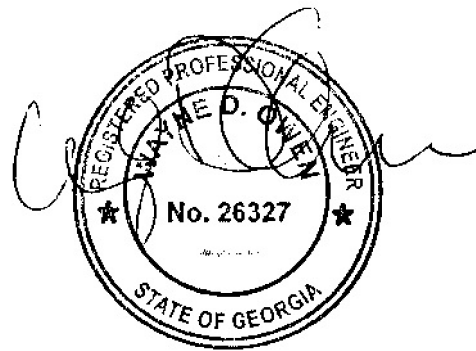
KEY NOTES:

- 1 2" SANITARY IN WALL TO EXISTING SANITARY PIPING IN WALL
- 2 RECONNECT EXISTING SANITARY TO NEW SINK

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Sheet Title
ISOMETRIC VIEW -
SANITARY & VENT

Sheet No.

P-2.01

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| LEGEND - HVAC | | |
|---------------|--------|---|
| ABBR | SYMBOL | DESCRIPTION |
| A/C | | ABOVE CEILING |
| AD | | ACCESS DOOR |
| ADJ | | ADJUSTABLE |
| AF | | ABOVE FINISHED FLOOR |
| AHU | | AIR HANDLING UNIT |
| AUTO | | AUTOMATIC |
| BAL | | BALANCING |
| BDD | | BACKDRAFT DAMPER |
| BFLY | | BUTTERFLY |
| B/F | | BELOW FLOOR |
| B/G | | BELOW GRADE |
| BHP | | BRAKE HORSEPOWER |
| | | TYPE-CFM |
| | | TYPE |
| CFM | | CUBIC FEET PER MINUTE |
| CON | | CONCENTRIC |
| | | CONNECT TO EXISTING |
| CU | | CONDENSING UNIT |
| DB | | DECIBELS |
| | | DIRECTION OF AIRFLOW |
| DB | | DRY BULB |
| DN | | DOWN |
| DR | | DRAIN |
| DSS | | DUCTLESS SPLIT SYSTEM |
| DWG | | DRAWING |
| | | DUCT SIZE TRANSITION - SINGLE LINE DUCT |
| | | DUCTWORK - NEW. SIZES SHOWN ARE INTERIOR CLEAR DIMENSIONS |
| | | DUCTWORK - EXISTING OR DIFFUSER TO REMAIN |
| | | DUCT - SUPPLY OR OUTSIDE AIR UP |
| | | DUCT - RETURN OR EXHAUST UP |
| | | DUCT - SUPPLY OR OUTSIDE AIR DOWN |
| | | DUCT - RETURN OR EXHAUST DOWN |
| | | DUCT TRANSITION - SQUARE-TO-ROUND (OR OVAL) |
| | | DUCT MOUNTED SMOKE DETECTOR (WIRED BY DIV. 16) |
| EA | | EXHAUST AIR |
| EAT | | ENTERING AIR TEMPERATURE |
| ECC | | ECCENTRIC |
| EF | | EXHAUST FAN |
| EFF | | EFFICIENCY |
| ESP | | EXTERNAL STATIC PRESSURE |
| F | | FAHRENHEIT |
| | | FIRE DAMPER |
| FLR | | FLOOR |
| FPM | | FEET PER MINUTE |
| | | FIRE AND SMOKE DAMPER |
| FT | | FEET |
| GA | | GAUGE |

| LEGEND - MECHANICAL/ELECTRICAL | | |
|--------------------------------|--------|--------------------------------|
| ABBR | SYMBOL | DESCRIPTION |
| A | | AMPS |
| FLA | | FULL LOAD AMPS |
| HZ | | HERTZ |
| KVA | | KILOVOLT AMPS |
| KW | | KILOWATT |
| MCA | | MINIMUM CIRCUIT AMPACITY |
| MOPP | | MAXIMUM OVERCURRENT PROTECTION |
| PH | | PHASE |
| V | | VOLT/VOLTAGE |
| W | | WATTS |

| LEGEND - HVAC | | |
|---------------|--------|---|
| ABBR | SYMBOL | DESCRIPTION |
| HP | | HEAT PUMP |
| HTG | | HEATING |
| | | HUMIDISTAT |
| ID | | INSIDE DIMENSION |
| IN | | INCHES |
| LAT | | LEAVING AIR TEMPERATURE |
| LB | | POUNDS |
| | | LIMITS OF DEMOLITION |
| | | LINEAR SLOT DIFFUSER |
| MAX | | MAXIMUM |
| MD | | MANUAL DAMPER |
| MFR | | MANUFACTURER |
| MIN | | MINIMUM |
| MOP | | MOTOR OPERATED DAMPER |
| MVD | | MANUAL VOLUME DAMPER |
| NC | | NORMALLY CLOSED |
| NO | | NORMALLY OPENED |
| NOM | | NOMINAL |
| OA | | OUTSIDE AIR |
| OBD | | OPPOSED BLADE DAMPER |
| OD | | OUTSIDE DIMENSION |
| PSI | | POUNDS PER SQUARE INCH |
| RA | | RETURN AIR |
| RAG | | RETURN AIR GRILLE |
| RAT | | RETURN AIR TRANSFER |
| RED | | REDUCER |
| | | REFRIGERANT SUCTION AND DISCHARGE TUBING (ROUTED TOGETHER) |
| SA | | SUPPLY AIR |
| | | SMOKE DAMPER |
| SEN | | SENSIBLE |
| SF | | SQUARE FEET |
| SF | | SUPPLY FAN |
| SP | | STATIC PRESSURE |
| SPS | | STATIC PRESSURE SENSOR |
| SQ | | SQUARE |
| SR | | SUPPLY REGISTER |
| | | SIDE-WALL OR DUCT MOUNTED RETURN OR EXHAUST AIR REGISTER / GRILLE |
| TEMP | | TEMPERATURE |
| | | TEMPERATURE SENSOR |
| TG | | TRANSFER GRILLE |
| | | THERMOSTAT |
| TYP | | TYPICAL |
| UNO | | UNLESS NOTED OTHERWISE |
| VA | | VALVE |
| WB | | WET BULB |
| WC | | WATER COLUMN |
| WT | | WEIGHT |

| DESIGN CONDITIONS | |
|--|-------------------|
| LOCATION | CHAMBLEE, GA |
| COOLING - SUMMER DESIGN | |
| OUTDOOR DESIGN DB/ COINCIDENT WB (ASHRAE 5.4%) | 94.1 °F / 73.5 °F |
| INDOOR DESIGN DB/ RH | 75 °F / 50% ± 10% |
| HEATING - WINTER DESIGN | |
| OUTDOOR DESIGN (ASHRAE EXTREME 5%) | 15.2 °F |
| INDOOR DESIGN DB (OTHER) | 70 °F |

| DIFFUSER, REGISTER & GRILLE SCHEDULE | | | | | | | | | | | | | | | | |
|---|-----------------|-----------|-----------|-------------|------------|------------|-------------|----------------|-----------------|---------------------|----------------------------|---------------|---------------|---------------|---------------|-------|
| TAG | TYPE OF SERVICE | FACE SIZE | NECK SIZE | RUNOUT SIZE | # OF SLOTS | SLOT WIDTH | MAX ROOM NC | MAX SP (IN WG) | INTEGRAL DAMPER | BASIS OF DESIGN | NECK/ RUNOUT SIZE SCHEDULE | | | | | NOTES |
| | | | | | | | | | | | 6"ø | 8"ø | 10"ø | 12"ø | 14"ø | |
| A | SA | 24"x24" | NOTE 3 | NOTE 1 | - | - | 30 | Ø10 | N | TITUS OMNI | 0 - 120 CFM | 125 - 220 CFM | 225 - 350 CFM | 355 - 450 CFM | 455 - 550 CFM | 2 4 5 |
| B | RA | 24"x24" | 22"x22" | - | - | - | 30 | Ø10 | N | TITUS 45F | - | - | - | - | - | 2 4 5 |
| C | SA | - | 12"x6" | SEE PLANS | - | - | 30 | Ø10 | N | HART & COOLEY: 800 | - | - | - | - | - | 2 4 5 |
| D | SA | - | 10"x4" | SEE PLANS | - | - | 30 | Ø10 | N | HART & COOLEY: 800 | - | - | - | - | - | 2 4 5 |
| E | RA/EA | - | 10"x6" | SEE PLANS | - | - | 30 | Ø10 | N | HART & COOLEY: RH45 | - | - | - | - | - | 2 4 5 |
| F | RA | - | SEE PLANS | SEE PLANS | - | - | 30 | Ø10 | N | HART & COOLEY: RH45 | - | - | - | - | - | 2 4 5 |
| G | SA | - | 14"x6" | - | - | - | 30 | Ø10 | Y | TITUS 5300FL | - | - | - | - | - | 2 4 6 |
| X | - | - | - | - | - | - | - | - | - | EXISTING | - | - | - | - | - | 4 |
| NOTES: 1: RUNOUT SIZE SHALL BE EQUAL TO NECK SIZE, UNLESS NOTED OTHERWISE ON DRAWINGS. 2: FINISH FOR ALL DEVICES SHALL BE NO. 26 WHITE, UNLESS OTHERWISE INDICATED ON ARCHITECTURAL DRAWINGS. 3: SEE NECK/ RUNOUT SIZE SCHEDULE. 4: CONTRACTOR SHALL BALANCE DIFFUSER/GRILLE TO AIRFLOW LISTED ON PLANS. 5: SEE ARCHITECTURAL PLANS FOR CEILING/WALL TYPE. PROVIDE CORRECT BORDER TYPE FOR CEILING/WALL APPLICATION. 6: GRILLE TO BE SPIRAL MOUNTED TYPE. | | | | | | | | | | | | | | | | |

| FAN SCHEDULE | | | | | | | | | | | |
|--|------------------------|---------------|-------------|------------------|--------|--------|-------------|-----------|----------------------|------------------|---------|
| TAG | LOCATION | AIRFLOW (CFM) | ESP (IN WG) | MOTOR POWER (HP) | DRIVE | VOLT/ø | MAX FAN RPM | MAX SONES | TYPE OF FAN | BASIS OF DESIGN | NOTES |
| (EEF-1) | 123 - TOILET | - | - | - | - | - | - | - | - | EXISTING | 1 |
| (EEF-2) | 122 - TOILET | - | - | - | - | - | - | - | - | EXISTING | 1 |
| (EEF-3) | 101 - TOILET | - | - | - | - | - | - | - | - | EXISTING | 1 |
| EF-4 | 130 - LOCKER ROOM | 740 | Ø.5 | 301 WATTS | DIRECT | 120/1 | 964 | 3.5 | INLINE EXHAUST FAN | GREENHECK: CSP-A | 2 3 4 6 |
| VF-1 | 131 - LAWN EQUIP STOR. | 505 | Ø.3 | 1/8 | DIRECT | 120/1 | 860 | 8.1 | SIDEWALL EXHAUST FAN | GREENHECK: AER | 2 3 5 |
| VF-2 | 102 - IT | 150 | Ø.3 | 25 WATTS | DIRECT | 120/1 | 755 | 1.5 | CEILING CABINET FAN | GREENHECK: SP-A | 2 3 4 5 |
| NOTES: 1: EXISTING FAN TO REMAIN. CONTRACTOR TO VERIFY FAN IS FULLY OPERATIONAL AND REPAIR/REPLACE AS REQUIRED FOR FULL OPERATION. 2: DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR. 3: PROVIDE WITH FACTORY SPEED CONTROLLER. 4: PROVIDE WITH BACKDRAFT DAMPER. 5: CONTROLLED BY LINE VOLTAGE THERMOSTAT SET TO 80°F (ADJ). 6: FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS. SEE ELECTRICAL DRAWINGS. | | | | | | | | | | | |

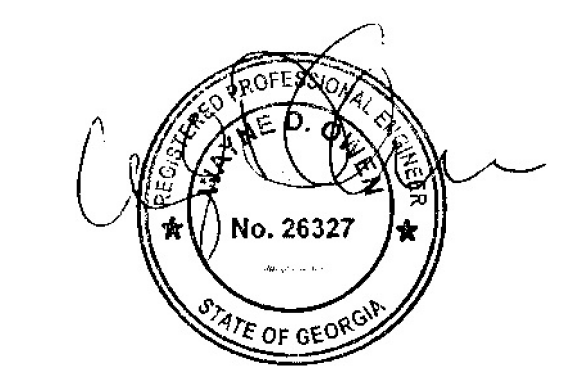
| SHEET LIST HVAC | |
|-----------------|----------------------------|
| SHEET NUMBER | SHEET NAME |
| M-0.01 | LEGENDS & SCHEDULES - HVAC |
| M-0.02 | SPECIFICATIONS |
| M-0.03 | DETAILS - HVAC |
| M-1.01 | DEMOLITION PLAN - HVAC |
| M-1.02 | FLOOR PLAN - HVAC |

| LOUVER SCHEDULE | | | | | | | | |
|---|----------------|----------------|------------|--------|-----------------------|---------|-----------------|-------|
| TAG | CAPACITY (CFM) | MAX PD (IN WG) | DIMENSIONS | | MIN FREE AREA (SQ FT) | SERVICE | BASIS OF DESIGN | NOTES |
| | | | WIDTH | HEIGHT | | | | |
| (ELV-1) | 505 | - | - | - | - | INTAKE | EXISTING | 1 2 |
| NOTES: 1: VERIFY LOUVER HAS INSECT SCREEN. IF NOT PRESENT PROVIDE NEW. 2: PROVIDE 120V MOD INTERLOCKED WITH VF-1. | | | | | | | | |

| ROOF HOOD SCHEDULE | | | | | | |
|---|----------------|---------|---------------------------|-------------|-----------------|-------|
| TAG | CAPACITY (CFM) | SERVICE | MAX PRESS. DROP (IN W.G.) | THROAT SIZE | BASIS OF DESIGN | NOTES |
| RH-1 | 270 | INTAKE | Ø.04 | 12"x12" | GREENHECK: GRSI | 1 2 |
| RH-2 | 815 | INTAKE | Ø.03 | 20"x20" | GREENHECK: GRSI | 1 2 |
| RH-3 | 270 | INTAKE | Ø.06 | 10"x10" | GREENHECK: GRSI | 1 2 |
| RH-4 | 740 | EXHAUST | Ø.03 | 18"x18" | GREENHECK: GRSR | 1 3 |
| NOTES: 1: PROVIDE ROOF CURB. CURB SHALL PLACE HOOD OPENING A MINIMUM OF 12" ABOVE ROOF DECK. 2: PROVIDE WITH INSECT SCREEN. 3: PROVIDE WITH BIRD SCREEN. | | | | | | |

| SPLIT SYSTEM AIR HANDLING UNIT SCHEDULE (INDOOR UNIT) | | | | | | | | | | | | | | | |
|---|------------|----------|---------|---------|---------|---------|------------------|-----------------------|----------------------|------------------------|------------|------|------|-----------------|---------------|
| TAG | SUPPLY CFM | O.A. CFM | EAT | | LAT | | O.A. AMB DB (°F) | SUPPLY FAN HP (WATTS) | EXT. S.P. (IN. W.G.) | AUX. HEATING CAP. (KW) | ELECTRICAL | | | BASIS OF DESIGN | NOTES |
| | | | DB (°F) | WB (°F) | DB (°F) | WB (°F) | | | | | VOLT/PH. | MCA | MOCP | | |
| (E)AHU-1 | 1,765 | 270 | - | - | - | - | - | - | - | - | - | - | - | EXISTING | 1 8 |
| (E)AHU-2 | 1,870 | 370 | - | - | - | - | - | - | - | - | - | - | - | EXISTING | 1 8 |
| (E)AHU-3 | 1,765 | 170 | - | - | - | - | - | - | - | - | - | - | - | EXISTING | 1 8 |
| (E)AHU-4 | 1,755 | 275 | - | - | - | - | - | - | - | - | - | - | - | EXISTING | 1 8 |
| AHU-5 | 1,320 | 210 | 71.9 | 64.4 | 54.9 | 53.8 | 95 | 3/4 | 0.75 | 1.5 | 200/1 | 51.6 | 60 | CARRIER: FJ4D | 2 3 4 5 6 1 8 |
| NOTES: 1: EXISTING AIR HANDLER TO REMAIN. CONTRACTOR TO VERIFY UNIT IS FULLY OPERATIONAL AND REPAIR/REPLACE AS REQUIRED FOR FULL OPERATION. 2: PROVIDE AUXILIARY DRAIN PAN UNDER FAN COIL UNIT. 3: DISCONNECT SWITCH PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. 4: PROVIDE WITH HORIZ. CASED COIL WITH TXV. 5: STARTERS FOR ALL MOTORS SHALL BE FURNISHED INTEGRAL WITH UNIT. 6: PROVIDE WITH 1-DAY PROGRAMMABLE THERMOSTAT WITH LCD DISPLAY & AUTO-CHANGEOVER. 7: PROVIDE 2" FLEATED THROUGHWAY AIR FILTERS. 8: PROVIDE 120V MOD FOR OUTSIDE AIR. DAMPER TO OPEN WHEN UNIT IS ON AND CLOSE WHEN UNIT IS OFF. | | | | | | | | | | | | | | | |

| SPLIT SYSTEM HEAT PUMP SCHEDULE (OUTDOOR UNIT) | | | | | | | | | | | | | |
|--|------------------|-------------|------------|-------|------------------|------|------------|------|------|---------------|-----------------|---------|--|
| TAG | COOLING CAPACITY | | | | HEATING CAPACITY | | ELECTRICAL | | | NET WT. (Lbs) | BASIS OF DESIGN | NOTES | |
| | TONS (NOMINAL) | TOTAL (MBH) | SENS (MBH) | SEER2 | MBH @ HIGH AIR | COP | VOLT/PH | MCA | MOCP | | | | |
| | | | | | | | | | | | | | |
| (EHP-1) | 5 | - | - | - | - | - | - | - | - | - | EXISTING | 1 | |
| (EHP-2) | 5 | - | - | - | - | - | - | - | - | - | EXISTING | 1 | |
| (EHP-3) | 5 | - | - | - | - | - | - | - | - | - | EXISTING | 1 | |
| (EHP-4) | 5 | - | - | - | - | - | - | - | - | - | EXISTING | 1 | |
| HP-5 | 4 | 43.9 | 34.1 | 14.3 | 46.5 | 3.78 | 208/1 | 32.8 | 50 | 228 | CARRIER: 278CA | 2 3 4 5 | |
| NOTES: 1: EXISTING EQUIPMENT TO REMAIN. CONTRACTOR TO VERIFY EQUIPMENT IS FULLY OPERATIONAL AND REPAIR/REPLACE AS REQUIRED FOR FULL OPERATION. 2: PROVIDE CONCRETE HOUSEKEEPING PAD 3: DISCONNECT SWITCH PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR 4: CONTRACTOR/UNIT MANUFACTURER IS RESPONSIBLE FOR SIZING REFRIGERANT PIPING & DETERMINING REQUIRED SPECIALTIES (TRAPS, ETC.). 5: STARTERS FOR ALL MOTORS SHALL BE FURNISHED INTEGRAL WITH UNIT. | | | | | | | | | | | | | |



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| PRINT RECORD | | |
|--------------|------------|-------------------|
| No. | DATE | DESCRIPTION |
| | 12-20-24 | ISSUED FOR PERMIT |
| | 02-04-25 | ISSUED FOR BID |
| | 02/21/2025 | ADDENDUM A |
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| Drawn By CM | Checked By KB |
| Date 02/21/2025 | Job No. 24010 |

Sheet Title
LEGENDS & SCHEDULES - HVAC

Sheet No.
M-0.01
RELEASED FOR CONSTRUCTION

ALPHA BLDG SET 06-24-2025

| | | | | |
|---|---|--|--|---|
| MECHANICAL AND PLUMBING GENERAL NOTES | | | F. SUPERVISION | N. DUCTWORK |
| 1. | ALL WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES, SMACNA STANDARDS, AND ASHRAE GUIDELINES. | | 1. THIS CONTRACTOR SHALL HAVE IN CHARGE OF THE WORK, A COMPETENT SUPERINTENDENT WITH EXPERIENCE IN THE WORK TO BE INSTALLED UNDER THIS CONTRACT. | 1. ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN COMPLIANCE WITH SMACNA HYAC DUCT CONSTRUCTION STANDARDS (2005 ED. OR LATER). |
| 2. | THE WORK SHALL CONSIST OF ALL LABOR AND MATERIAL TO COMPLETELY INSTALL ALL WORKS AS SHOWN ON THESE DRAWINGS. | | G. COORDINATION | 2. NEW DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AND INSTALLED AS SHOWN ON THE DRAWINGS. ALL SHEETMETAL DUCT JOINTS & SEAMS (MINIMUM SEAL CLASS B) SHALL BE SEALED WITH TAPES AND MASTICS AS LISTED IN UL STANDARDS 181A AND 181B. |
| 3. | COORDINATE LOCATION OF PIPE ROUTING, DUCTWORK AND DIFFUSERS WITH LIGHT FIXTURES WITH ELECTRICAL CONTRACTOR. RELOCATE PIPING &/OR DUCTWORK, IF NECESSARY, AS DIRECTED BY THE ARCHITECT/ENGINEER. | | 1. THIS CONTRACTOR SHALL COORDINATE HIS WORK AND COOPERATE WITH THE OTHER CONTRACTORS. HE SHALL ARRANGE HIS WORK WITH THEIRS SO THAT THERE WILL BE NO DELAY IN THE PROPER INSTALLATION. | 3. DUCT SIZES INDICATED ON PLANS ARE FREE INSIDE CLEAR DIMENSIONS UNLESS OTHERWISE NOTED. |
| 4. | ALL WORK ASSOCIATED WITH THE SCOPE OF THIS PROJECT INCLUDING EQUIPMENT, ACCESSORIES, DEVICES, SYSTEMS, ETC. SHALL BE COVERED BY A ONE YEAR GUARANTEE WHICH SHALL START AT THE TIME OF FINAL ACCEPTANCE BY THE OWNER. ANY DEFECTS IN PRODUCTS, INSTALLATION, WORKMANSHIP SHALL BE CORRECTED AT NO ADDITIONAL CHARGE AND SHALL INCLUDE ANY NECESSARY REPAIRS TO WALLS, FLOORS, MILLWORK, ETC. WHICH SHALL BE REPAIRED BACK TO NEW AND FINISHED CONDITION. | | 2. EXAMINE WORK OF OTHER TRADES WHICH COMES IN CONTACT WITH OR IS COVERED BY THIS WORK. DO NOT ATTEMPT TO COVER OR FINISH AGAINST ANY DEFECTIVE WORK, OR INSTALL WORK OF THIS DIVISION IN A MANNER WHICH WILL PREVENT OTHER TRADES FROM PROPERLY INSTALLING THEIR WORK. CONSULT ALL DRAWINGS, SPECIFICATIONS AND DETAILS OF OTHER DIVISIONS OF THE WORK. | 4. LEAKAGE RATE ALLOWANCE SHALL BE THE LESSER OF SMACNA CLASS B LEAKAGE CALCULATION OR 5% OF SYSTEM CFM. |
| 5. | THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF THIS WORK THE CONTRACTOR SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER. | | H. CUTTING AND PATCHING | 5. LOW PRESSURE FLEXIBLE DUCTWORK SHALL BE LIMITED TO 6' IN LENGTH. FLEXIBLE DUCTS SHALL BE INSTALLED IN A FULLY EXTENDED CONDITION FREE OF BAGGS AND KINKS, USING ONLY THE MINIMUM LENGTH REQUIRED TO MAKE THE CONNECTION. FLEXIBLE DUCT SHALL BE LISTED AS A CLASS 1 AIR DUCT AND SHALL COMPLY WITH UL STANDARD 181, NFPA 90A & B. DUCT SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25, A MAXIMUM SMOKE RATING OF 50, SHALL BE RATED FOR POSITIVE PRESSURE OF 10"(W.G.) AND NEGATIVE PRESSURE OF 1/2"(W.G.). INSULATION SHALL BE A MINIMUM OF 2" THICK 3/4" PCF DENSITY FIBERGLASS WITH A MINIMUM VALUE OF R=6 @ FLEXIBLE DUCT SHALL BE THERMAFLEX TYPE M-KE, FLEXMASTER TYPE BM, OR EQUAL. |
| 6. | THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE EXACT ROUTING OR DETAILED FITTINGS. ALL WORK SHALL BE INSTALLED AS A COMPLETE SYSTEM WITH NECESSARY COMPONENTS, FITTINGS, STRAPS, ETC. ALL DAMPERS AND VALVES SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE. | | 1. ALL CUTTING AND PATCHING WORK RELATED TO THIS CONTRACT WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR. REPAIRS SHALL MATCH NEW AND/OR EXISTING CONDITIONS. | 6. EXISTING FLEXIBLE DUCT: REPAIR TORN OR DAMAGED VAPOR BARRIER/JACKET WITH DUCT TAPES LISTED AND LABELED TO UL 181B. IF INTERNAL CORE IS PENETRATED, REPLACE FLEXIBLE DUCT OR TREAT AS A SPUCE. |
| 7. | REFER TO THE ENTIRE CONTRACT DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE MECHANICAL SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINES WORK. | | I. GUARANTEE AND WARRANTIES | 7. ELBOWS 45 DEGREES & GREATER IN ALL DUCT SYSTEMS MUST BE EITHER FULL-RADIUS OR MITERED WITH TURNING VANES. |
| 8. | ALL DUCT AND PIPING MUST BE CONCEALED ABOVE THE CEILING OR IN THE WALLS UNLESS OTHERWISE NOTED. | | 2. GUARANTEE AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS: MAKE GOOD REPAIR OR REPLACE ANY DEFECTIVE WORK, MATERIAL OR EQUIPMENT WITHIN (1) ONE YEAR FROM DATE OF ACCEPTANCE. | 11. INSTALL TURNING VANES FOR ALL RECTANGULAR MITERED ELBOWS. |
| 9. | COORDINATE DIFFUSER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN TO VERIFY FRAME TYPES BASED ON CEILING TYPE. | | J. INSTALLATION REQUIREMENTS | 12. FOR DUCTS WITH VELOCITIES LESS THAN 2,200 FPM PROVIDE SINGLE WALL TYPE. |
| 10. | COORDINATE VALVE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN TO MAKE CERTAIN NONE ARE INSTALLED OVER GYPSUM BOARD CEILINGS. | | 1. LOCATIONS OF PIPING, EQUIPMENT, DUCTS, ETC., ON THE DRAWINGS IS DIAGRAMMATIC. INDICATED POSITIONS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. EXACT LOCATIONS SHALL BE SUBJECT TO BUILDING CONSTRUCTION AND INTERFERENCES WITH OTHER WORK. ARCHITECT RESERVES THE RIGHT TO MAKE MINOR CHANGES IN LOCATION OF ANY PART OF THE WORK UP TO THE TIME OF ROUGHING-IN WITH ADDITIONAL COST. | 13. FOR DUCTS WITH VELOCITIES GREATER THAN 2,200 FPM PROVIDE DOUBLE WALL TYPE. |
| 11. | THE CONTRACTOR SHALL INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER AND ACCORDING TO GENERALLY ACCEPTED PRACTICES OF FIRST CLASS WORKMANSHIP. | | K. TEST AND ADJUSTMENTS | 8. FIRE DAMPERS IN DUCTWORK SHALL BE TYPE 'B' STYLE WITH SHUTTER OUTSIDE OF AIRSTREAM. |
| 12. | THERMOSTATS SHALL BE LOCATED IN EACH ZONE AS INDICATED ON PLAN. THE EXACT LOCATION ON THE WALL SHALL BE AS DIRECTED BY THE ARCHITECT. | | 1. OBTAIN ALL INSPECTIONS REQUIRED BY LAW, ORDINANCES, RULES, REGULATIONS OF AUTHORITIES HAVING JURISDICTION, FURNISH CERTIFICATES OF SUCH INSPECTIONS. PAY ALL FEES AND PROVIDE ALL EQUIPMENT, POWER AND LABOR NECESSARY FOR INSPECTIONS AND TEST. | O. MATERIALS |
| 13. | CONTRACTOR SHALL PROVIDE (2) SETS OF FILTERS FOR EACH AIR HANDLER; ONE DURING CONSTRUCTION AND ONE SET AT COMPLETION OF CONSTRUCTION. FILTERS SHALL BE 1" THICK PLEATED, MINIMUM 30% EFFICIENT (MERV RATING OF 1). | | 2. PRESSURE TESTS | 1. PIPE AND FITTINGS DOMESTIC WATER - TYPE "L" HARD COPPER |
| 14. | ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE APPROXIMATE. THE CONTRACTORS SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS OF EXISTING STRUCTURES, AND EQUIPMENT TO VERIFY DIMENSIONS SHOWN ON THE DRAWINGS. PROVIDE PROPER DIMENSIONS NOT SHOWN PRIOR TO EQUIPMENT FABRICATION. ALL COST FOR MODIFICATIONS OF NEW CONSTRUCTION DUE TO LACK OF CONFIRMATION OF DIMENSIONS BY FIELD MEASUREMENT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. | | A. ALL PIPING SHALL BE GIVEN THE FOLLOWING PRESSURE TEST WITHOUT APPRECIABLE PRESSURE DROP. EQUIPMENT WHICH WOULD BE DAMAGED BY THE REQUIRED TEST PRESSURE SHALL BE ISOLATED FROM THE SYSTEM DURING TESTING. | 2. CONDENSATE PIPING - TYPE "M" OR DUV COPPER TUBING, NO-HUB CAST IRON, OR PVC (EXCEPT IN RETURN AIR PLENUMS). |
| 15. | ALL PIPING, DUCTWORK, INSULATION, CONSTRUCTION STANDARDS, ETC. MUST BE EQUAL TO OR GREATER THAN EXISTING BUILDING STANDARDS. THE USE OF RIGID FIBER DUCT BOARD AND PVC IS NOT PERMITTED. | | SERVICE MEDIUM (PSI) HRS. DOMESTIC WATER 125 6 B. SANITARY SEWERS PER STATE PLUMBING CODE AND LOCAL AUTHORITY. | 3. WASTE & VENT PIPING (ABOVE GROUND INTERIOR) NO-HUB CAST IRON, BUILDING SEWERS & DRAINS (UNDERGROUND) SANITARY SEWERS SHALL BE SERVICE WEIGHT CAST IRON, BELL & SPIGOT, SOL. PIPE WITH TYLER "TY-BELL" NEOPRENE PIPE GASKETS. |
| 16. | LANDLORD SHALL HAVE FIRST REFUSAL FOR EXISTING EQUIPMENT AND MATERIALS SHOWN OR LISTED TO BE REMOVED FROM THE PROPERTY. EQUIPMENT AND MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE IF NOT ACCEPTED BY THE LANDLORD. | | THE TEST AND BALANCE SHALL BE PERFORMED BY AN AABC OR NEBB CERTIFIED TEST AND BALANCE CONTRACTOR THAT MUST BE A DIFFERENT COMPANY THAN THE MECHANICAL CONTRACTOR. | 4. REFRIGERATION PIPING - SEAMLESS COPPER TUBE, HARD DRAIN, ASTM B75, TYPE K OR L B88. FITTINGS SHALL BE WROUGHT COPPER OR WROUGHT BRONZE WITH SILVER SOLDER. |
| 17. | CONTRACTOR SHALL PROVIDE MANUAL VOLUME DAMPER AT SUPPLY AND/OR RETURN AIR TAKE-OFFS IF NONE EXIST TO PROPERLY BALANCE SYSTEMS WITHIN THE SCOPE OF WORK. | | 3. SUBMIT A CERTIFIED TEST AND BALANCE REPORT TO THE ENGINEER FOR APPROVAL. REPORT SHALL INCLUDE (AT A MINIMUM) THE FOLLOWING: | P. WASTE SYSTEMS |
| 18. | CONTRACTOR SHALL CLEAN AND/OR PAINT EXISTING AIR DISTRIBUTION DEVICES TO REMAIN. | | A. NAMEPLATE DATA FOR ALL POWERED DEVICES. | 1. RUN ALL DRAINAGE PIPING AS DIRECT AS POSSIBLE. ACTUAL LOCATION OF DRAINS AND WASTE PIPING SHALL MEET THE VARIOUS BUILDING CONDITIONS. DO ANY WORK NECESSARY TO CONCEAL PIPING OR CLEAR PIPING OF OTHER TRADES. |
| MECHANICAL (HVAC & PLUMBING) SPECIFICATIONS | | | B. DIFFUSER LAYOUT (DRAWING) DEPICTING ALL DIFFUSERS AND EQUIPMENT. DIFFUSER TAGS SHALL SHOW THE SERIAL NTIAL AND FINAL READINGS OF ALL DIFFUSERS AND GRILLES. | 2. HUB DRAINS SHALL BE PROVIDED WITH TRAP PRIMER. |
| A. GENERAL CONDITIONS OTHER CONTRACT DOCUMENTS | | | C. AIRFLOW AT UNIT SUPPLY, RETURN, AND OUTSIDE AIR (IF APPLICABLE) CONNECTIONS. | 3. WASTE PIPING SHALL BE SLOPED AT A MINIMUM OF 1/4" PER FOOT FOR PIPE SIZES 2-1/2" OR LESS, 1/8" PER FOOT FOR PIPE SIZES 3" TO 6" AND 1/16" PER FOOT FOR PIPE SIZES 8" OR GREATER. |
| 1. THE GENERAL CONDITIONS AND OTHER CONTRACT DOCUMENTS AS SET FORTH HEREBY ARE TO BE INCORPORATED INTO AND BECOME A PART OF THE SPECIFICATIONS FOR THE WORK UNDER THIS DIVISION. | | | D. AIRFLOW AT ALL SUPPLY AIR DIFFUSERS. | 4. CONDENSATE PIPING SHALL BE SLOPED AT A MINIMUM OF 1/8" PER FOOT. |
| B. CODES AND PERMITS | | | E. AIRFLOW AT ALL EXHAUST GRILLES. | Q. PIPING HANGER SPACING |
| 1. AUTHORITIES HAVING JURISDICTION OVER THE PREMISES, INCLUDING SAFETY REQUIREMENTS OF OSHA. DO NOT CONSTRUE THIS AS RELIEVING CONTRACTOR FROM COMPLYING WITH SPECIFICATIONS WHICH EXCEED CODE REQUIREMENTS AND NOT IN CONFLICT THEREWITH. | | | F. AIRFLOW AT OUTSIDE AIR CONNECTIONS. | 1. INSTALL HANGERS AND SUPPORTS IN PIPING SYSTEMS TO REMOVE STRESS FROM SYSTEM. SPACE HANGERS AND SUPPORTS PER THE FOLLOWING TABLES. |
| 2. SECURE AND PAY FOR ALL PERMITS AND CERTIFICATES OF INSPECTION REQUIRED. | | | G. AIR TEMPERATURE INLET AND OUTLET AT EACH NEW HEATING OR COOLING COIL. DISCHARGE MAY BE RECORDED AT A DIFFUSER OUTLET. | 1.1. COPPER PIPE 1-1/4" OR SMALLER - 6' MAXIMUM SPACING & 1-1/2" OR LARGER - 10' MAXIMUM SPACING. |
| C. LOCAL CONDITIONS: | | | 4. FINAL DIFFUSER READINGS THAT DIFFER FROM THE DRAWINGS BY MORE THAN THE LIMITS ABOVE SHALL BE NOTED IN THE REPORT. | 1.2. CAST IRON PIPE ALL SIZES - 5' MAXIMUM SPACING (SPACING OF 10' MAY BE USED WHEN 10' PIPE LENGTH ARE UTILIZED). |
| 1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND BE FAMILIAR WITH ALL EXISTING CONDITIONS. SPECIAL ATTENTION SHALL BE GIVEN TO WORK TO BE PERFORMED ABOVE AN EXISTING CEILING. NO ALLOWANCE WILL BE MADE FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS. | | | 5. EXISTING EQUIPMENT TO REMAIN: THE MECHANICAL CONTRACTOR SHALL THOROUGHLY INSPECT AND TEST THE OPERATION OF THE EACH EXISTING HEATING/COOLING SYSTEM (PRIOR TO TEST & BALANCE) AND SUBMIT ANY REPAIR/REPLACEMENT RECOMMENDATIONS TO THE ENGINEER. TEST AND BALANCE REPORT SHALL INCLUDE EXISTING DIFFUSERS WITH TAGS SHOWING EXISTING AIRFLOW READINGS. | 1.3. PVC PIPE ALL SIZES - 4' MAXIMUM SPACING. |
| 2. THIS CONTRACTOR SHALL BE HELD TO HAVE EXAMINED THE PREMISES AND SITE SO AS TO COMPARE THEM WITH THE DRAWINGS AND SPECIFICATIONS. NO ALLOWANCE SHALL BE MADE TO THE CONTRACTOR BY REASON OF HIS FAILURE TO HAVE MADE SUCH EXAMINATION OR OF ANY ERROR ON HIS PART. | | | M. INSULATION | 1.4. CPVC PIPE 1" OR SMALLER - 3' MAXIMUM SPACING & 1-1/4" OR LARGER - 4' MAXIMUM SPACING. |
| 3. WHERE EXISTING SLABS ARE TO BE CUT OR CORE DRILLED, THE CONTRACTOR SHALL X-RAY THE EXISTING SLABS TO AVOID CUTTING OR DISRUPTING EXISTING CONDUITS, CABLES, PLUMBING OR STRUCTURAL MEMBERS. | | | 1. ALL INSULATION SHALL BE INSTALLED OVER CLEAN DRY SURFACES. INSULATION MUST BE DRY AND IN GOOD CONDITION. WET OR DAMAGED INSULATION WILL NOT BE ACCEPTABLE. NO INSULATION SHALL BE APPLIED PRIOR TO PRESSURE TEST COMPLETION OF THE RESPECTIVE PIPING SYSTEMS. INSTALLATION SHALL BE CONTINUOUS. | R. VALVES |
| 4. HVAC SYSTEMS, PLUMBING SYSTEMS, AND ELECTRICAL SERVICE TO THE BUILDING SHALL NOT BE INTERRUPTED WITHOUT WRITTEN CONSENT OF THE BUILDING OWNER. | | | 2. FIBERGLASS PIPE INSULATION SHALL BE INSTALLED WITH JOINTS BUTTED FIRMLY TOGETHER. JACKET LAPS TO BE SEALED WITH FACTORY APPLIED ADHESIVE. BUTT JOINTS TO BE SEALED WITH BUTT STRIPS, HAVING FACTORY APPLIED ADHESIVE. VALVES AND FITTINGS SHALL BE INSULATED USING MITERED SECTIONS OF INSULATION. INSULATION COBENT, OR FREE-COLORED FITTING INSULATION. THE INSULATION APPLIED TO THE VALVES, FITTINGS AND THROUGH HANGERS SHALL BE COVERED WITH THE SAME TYPE OF COVERING AS USED ON THE PIPE. INSULATION PIPE SHIELDS TO BE PROVIDED AT ALL SUPPORTS. | 1. VALVES IN WATER PIPING: BALL VALVES WITH SCREWED ENDS, MN. 150 LBS., SWIP. VALVES USED FOR SHUT-OFF AND BALANCING SHALL BE EQUIPPED WITH MEMORY STOP. |
| 5. AT THE COMPLETION OF THE PROJECT, ALL WORK UNDER THIS DIVISION SHALL BE COMPLETELY INTEGRATED WITH THE EXISTING SYSTEMS AND LEFT IN PERFECT OPERATING CONDITION. | | | 3. PROVIDE THE FOLLOWING INSULATION PRODUCTS AS MANUFACTURED BY OWENS-CORNING. INSULATION PRODUCTS AS MANUFACTURED BY ARMSTRONG, CERTAINTED OR KNAUF ARE ACCEPTABLE. ADHESIVE SHALL BE BENJAMIN FOSTER OR EQUAL. | 2. THE TERM "WIRING" SHALL BE CONSTRUED TO INCLUDE FURNISHING OF WIRE, CONDUIT, MISCELLANEOUS MATERIALS AND LABOR AS REQUIRED FOR MOUNTING AND CONNECTING ELECTRICAL CONTROL DEVICES, AND CONNECTING ELECTRICAL DEVICES, AND PROVIDING ELECTRICAL INTERLOCKS BETWEEN EQUIPMENT. |
| 6. PRIOR TO ANY DEMOLITION OR CONSTRUCTION THE CONTRACTOR SHALL HAVE THE EXISTING CONDITIONS INSPECTED BY AN EPA, OSHA CERTIFIED ASBESTOS ABATEMENT AGENCY TO IDENTIFY THE PRESENCE OF ASBESTOS. SHOULD ANY ASBESTOS BE FOUND IT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND OWNER AND SPECIFICALLY IDENTIFIED IN WRITING. | | | 4. SUPPLY AND OUTSIDE AIR DUCT SHALL BE MINIMUM R=6 @ OR R=8 @ WHEN INSTALLED IN UNCONDITIONED SPACE. RETURN AIR SHALL BE INSULATED WHEN INSTALLED IN UNCONDITIONED SPACES, OR AS NOTED. EXHAUST DUCT SHALL BE INSULATED WHERE NOTED. | 3. WHERE A PRODUCT IS SUBSTITUTED FOR A "BASIS OF DESIGN" PRODUCT, THE CONTRACTOR SHALL NOTIFY THE DESIGN TEAM THAT CHANGES IN PROJECT MAY BE MANDATORY IN ORDER TO PERMIT THE USE AND THE INSTALLATION OF THE SUBSTITUTED PRODUCT. SHOP DRAWING SUBMITTALS FOR A SUBSTITUTE PRODUCT SHALL INCLUDE A COMPLETE SCHEDULE OF CHANGES IN PROJECT DESIGN, IF ANY, WHICH MUST BE MADE IN ORDER TO PERMIT USE AND INSTALLATION OF THE SUBSTITUTED PRODUCT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL TRADES FOR USE OF THE SUBSTITUTED PRODUCT. THE CONTRACTOR SHALL BEAR ALL EXPENSES RELATED TO THE USE OF A SUBSTITUTE PRODUCT. |
| D. DRAWINGS | | | 5. MATERIALS | T. EQUIPMENT |
| 1. DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED AS SUPPLEMENTING EACH OTHER. WORK SPECIFIED SHALL BE PERFORMED OR FURNISHED AS THOUGH MENTIONED IN BOTH SPECIFICATIONS AND DRAWINGS. | | | 5.1. DOMESTIC HOT WATER: 1" THICK AS/J/BSL FIBERGLASS FOR PIPE SIZES 1-1/4" OR SMALLER, 1-1/2" THICK AS/J/BSL FIBERGLASS FOR PIPE SIZES 1-1/2" & GREATER. | 1. SEE SCHEDULES ON DRAWING. |
| 2. THE DRAWINGS ARE SCHEMATIC ONLY AND ARE INTENDED TO SHOW APPROXIMATE LOCATIONS. DO NOT SCALE. | | | 5.2. DOMESTIC COLD WATER: 1" THICK AS/J/BSL FIBERGLASS. | 2. THE BASIS OF DESIGN INDICATED ON ALL SCHEDULES CONTAINED ON THESE DRAWINGS INDICATES MINIMUM QUALITY AND CONSTRUCTION STANDARDS. ALTERNATE MANUFACTURERS EQUIPMENT MAY BE USED SO LONG AS THE EQUIPMENT / DEVICE MEETS OR EXCEEDS THE QUALITY OF THE BASIS OF DESIGN. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SPACE REQUIREMENTS FOR ALTERNATE EQUIPMENT. |
| E. SHOP DRAWINGS/SUBMITTALS | | | 5.3. SUPPLY DUCT: 2" MINIMUM THICK DUCT WRAP. | 3. WHERE A PRODUCT IS SUBSTITUTED FOR A "BASIS OF DESIGN" PRODUCT, THE CONTRACTOR SHALL NOTIFY THE DESIGN TEAM THAT CHANGES IN PROJECT MAY BE MANDATORY IN ORDER TO PERMIT THE USE AND THE INSTALLATION OF THE SUBSTITUTED PRODUCT. SHOP DRAWING SUBMITTALS FOR A SUBSTITUTE PRODUCT SHALL INCLUDE A COMPLETE SCHEDULE OF CHANGES IN PROJECT DESIGN, IF ANY, WHICH MUST BE MADE IN ORDER TO PERMIT USE AND INSTALLATION OF THE SUBSTITUTED PRODUCT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL TRADES FOR USE OF THE SUBSTITUTED PRODUCT. THE CONTRACTOR SHALL BEAR ALL EXPENSES RELATED TO THE USE OF A SUBSTITUTE PRODUCT. |
| 1. THIS CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON THE ITEMS OF EQUIPMENT AND SYSTEMS AS NECESSARY TO CLEARLY SHOW EQUIPMENT AND CONSTRUCTION. | | | 5.4. REFRIGERANT PIPING: 1" THICK AS/J/BSL FIBERGLASS. | 4. INTERLOCK MOD WITH ASSOCIATED AHU CONTROLS. MOD TO BE CLOSED WHEN UNIT IS OFF. |
| 2. THE GENERAL CONTRACTOR SHALL REVIEW, COMMENT AND STAMP THE SHOP DRAWINGS/SUBMITTALS PRIOR TO THE ENGINEER REVIEW. | | | 6. EXISTING & NEW PVC OR NON-COMPLIANT PLENUM RATED MATERIALS SHALL BE WRAPPED WITH 3M FIRE BARRIER OR EQUIVALENT PRODUCT OR CONSTRUCTED WITH PLENUM COMPLIANT MATERIALS. | U. CONTROLS |
| | | | | 1. THERMOSTATS TO BE RELOCATED AS INDICATED ON PLANS. |
| | | | | 2. PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT WITH LCD DISPLAY & AUTO-CHANGEOVER. |
| | | | | 3. INTERLOCK MOD WITH ASSOCIATED AHU CONTROLS. MOD TO BE CLOSED WHEN UNIT IS OFF. |



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OFFICE RENOVATION

CITY OF CHAMBLEE

3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

PRINT RECORD

| No. | DATE | DESCRIPTION |
|------------|-------------------|-------------|
| 12-20-24 | ISSUED FOR PERMIT | |
| 02-04-25 | ISSUED FOR BID | |
| 02/21/2025 | ADDENDUM A | |
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| Drawn By | Checked By |
| CM | KB |
| Date | Job No. |
| 02/21/2025 | 24010 |

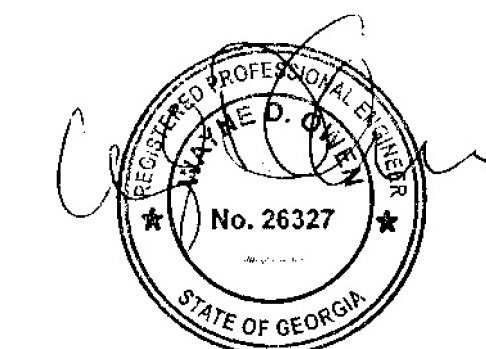
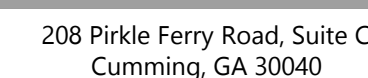
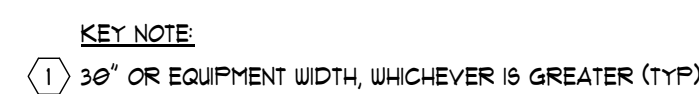
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SPECIFICATIONS

Sheet No.

M-0.02

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CITY OF CHAMBLEE

33220 CUMBERLAND DRIVE
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KB

Date
02/21/2025

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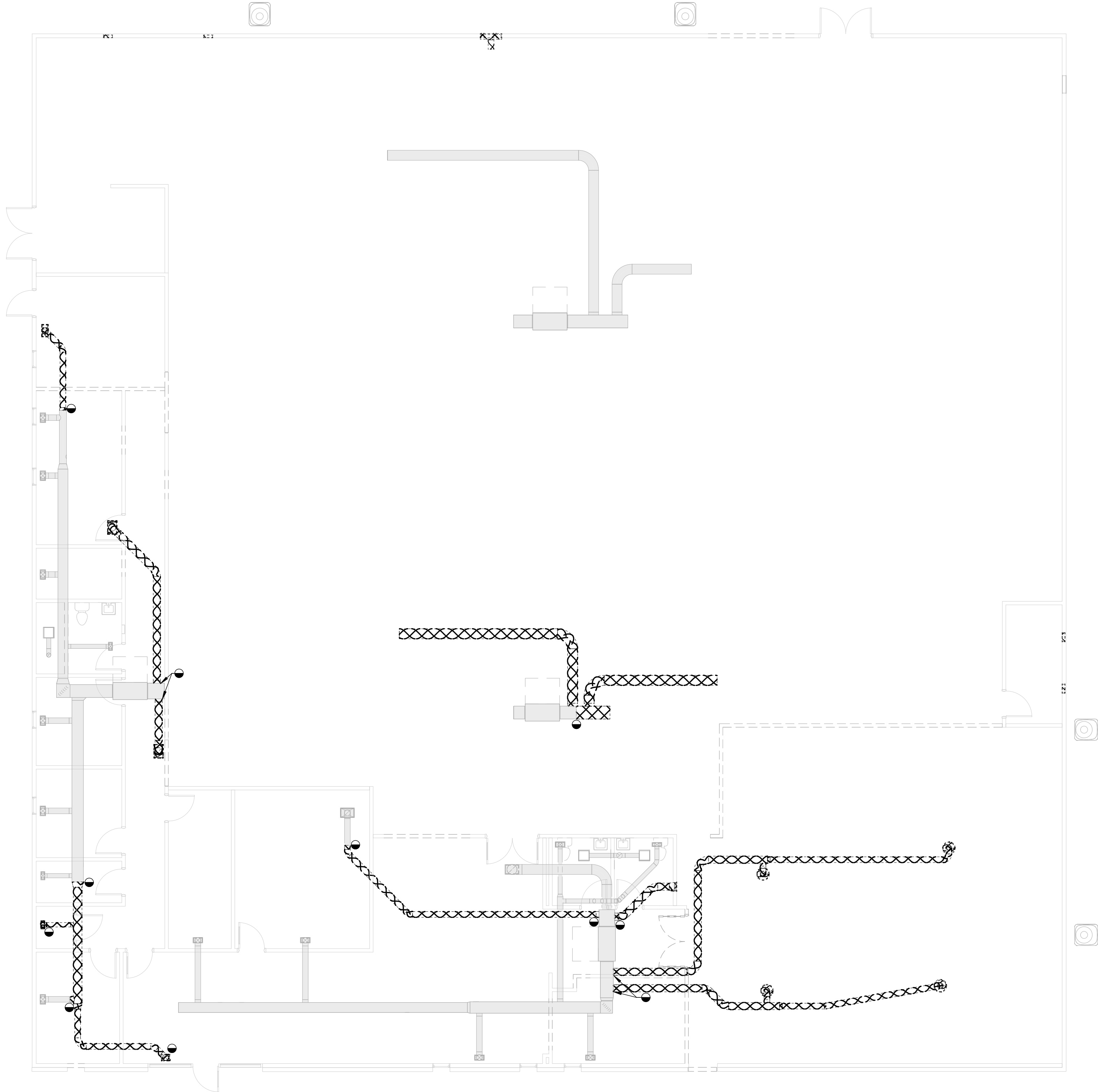
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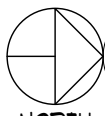
DETAILS - HVAC

Sheet No.

M-0.03

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DEMOLITION PLAN - HVAC

1/8" = 1'-0"

GENERAL NOTES:

- DUCTWORK AT LIMITS OF DEMOLITION SHALL BE CAPPED, SEALED AND INSULATED WITH MATERIALS OF LIKE KIND AND THICKNESS. CONTRACTOR HAS OPTION TO RE-USE EXISTING TAPS AT THEIR DISCRETION.

 ITEMS UNDERNEATH HATCHING TO BE DEMOLISHED.

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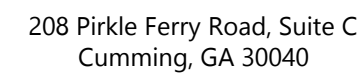
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| Date 02/21/2025 | Job No. 24010 |

Sheet Title
DEMOLITION PLAN - HVAC

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- ① PROVIDE DOOR LOWER WITHIN OF Ø.75 SF FREE AREA. COORDINATE LOCATION AND FINISH WITH ARCHITECT
- ② 16" ØA DUCT UP TO RH-1. PROVIDE MOD INTERLOCKED WITH EAHU-1 OPERATION.
- ③ 16"x14" ØA DUCT UP TO RH-2.
- ④ 16" ØA DUCT UP TO RH-3. PROVIDE MOD INTERLOCKED WITH AHU-3 OPERATION.
- ⑤ RA DUCT EQUAL TO UNIT CONNECTION TURNED UP.
- ⑥ 14"x14" EA DUCT UP TO RH-4.
- ⑦ PROVIDE NEW PLENUM WITH MOD INTERLOCKED WITH VE-1 OPERATION.



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













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FLOOR PLAN - HVAC



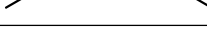

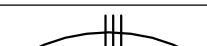


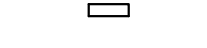
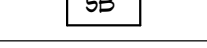
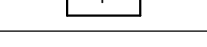
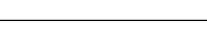



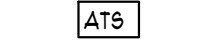
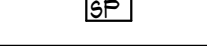


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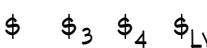
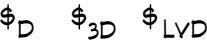


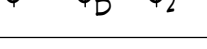
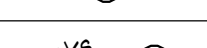

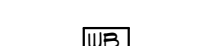



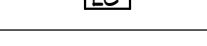
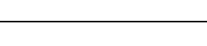
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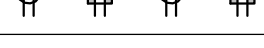
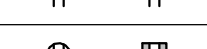








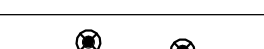



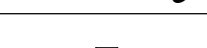
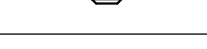
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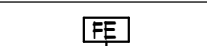




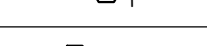







| SECURITY DEVICE LEGEND | |
|---|--|
| SYMBOL | DESCRIPTION |
|  | CARD READER - 3/4" CONDUIT TO 6" ABOVE ACCESSIBLE CEILING AS REQUIRED. PROVIDE POWER FOR DOOR HARDWARE AS REQUIRED. |
|  | KEYPAD - 3/4" CONDUIT TO 6" ABOVE ACCESSIBLE CEILING AS REQUIRED |
|  | DOOR HOLD |
|  | DOOR STRIKE |
|  | DOORBELL |
|  | DOOR STATION |
|  | MOTION DETECTOR - WALL MOUNTED / CEILING MOUNTED |
|  | PUSH TO EXIT |
|  | HANDICAP PUSH PLATE |
|  | SECURITY CAMERA - WALL MOUNTED / CEILING MOUNTED |
|  | PARKING DECK ACCESS CONTROL CARD READER |
|  | PARKING DECK ACCESS CONTROL TICKET DISPENSER |
|  | PARKING DECK ACCESS CONTROL EXIT PAY STATION |
|  | PARKING DECK ACCESS CONTROL AUTOGATE |
|  | PARKING DECK ACCESS CONTROL AVI ANTENNA |
|  | AREA OF REFUGE TWO-WAY COMMUNICATION STATION - 3/4" CONDUIT TO 6" ABOVE ACCESSIBLE CEILING AS REQUIRED - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION |

| GENERAL LEGEND | |
|---|--|
| SYMBOL | DESCRIPTION |
| ----- | DEVICES TO BE DEMOLISHED (APPLIES TO DEMOLITION PLANS ONLY) |
|  | CONDUIT RUN CONCEALED IN WALL OR CEILING |
|  | LOW VOLTAGE WIRE RUN CONCEALED IN WALL OR CEILING |
|  | CONDUIT RUN CONCEALED IN THE FLOOR, UNDERGROUND, OR UNDER THE ELEVATED SLAB |
|  | CONDUIT RUN EXPOSED. ROUTE PARALLEL/PERPENDICULAR TO WALLS AND STRUCTURE. |
|  | CIRCUITS HOMERUN TO THE PANEL. |
|  | NUMBER OF CONDUCTORS (GROUND NOT SHOWN) |
|  | FLEXIBLE CONDUIT OR CORD |
|  | 120/208V PANELBOARD OR DISTRIBUTION PANEL |
|  | 277/480V PANELBOARD OR DISTRIBUTION PANEL |
|  | SWITCHBOARD OR DISTRIBUTION BOARD |
|  | TRANSFORMER (FLOOR OR CEILING MOUNTED NOTED ON PLANS) |
|  | DISCONNECT (FRAME AND POLES TO MATCH OVER CURRENT PROTECTION REQUIRED PER NEC OR AS NOTED) |
|  | PLYWOOD BACKBOARD. 3/4"(UNO) X 8' H (UNO) X WIDTH AS SHOWN ON PLANS. PAINT WITH FIRE RETARDANT PAINT PRIOR TO INSTALL. |
|  | MOTOR STARTER |
|  | COMBINATION MOTOR STARTER & DISCONNECT |
|  | EMERGENCY POWER OFF SWITCH |
|  | AUTOMATIC TRANSFER SWITCH |
|  | SURGE PROTECTION DEVICE |

| LIGHTING LEGEND | |
|---|---|
| SYMBOL | DESCRIPTION |
|  | STANDARD / 3-WAY / 4-WAY / LOW VOLTAGE SWITCH |
|  | STANDARD / 3-WAY / LOW VOLTAGE 0-10V DIMMING SWITCH |
|  | TIMER / MOMENTARY CONTACT SWITCH |
|  | MOTOR RATED / OVERRIDE SWITCH |
|  | DUAL TECH OCCUPANCY SENSOR / 0-10V DIMMING OCCUPANCY SENSOR / DUAL RELAY OCCUPANCY SENSOR - WALL MOUNTED. COLOR TO MATCH STANDARD OUTLETS |
|  | DUAL TECHNOLOGY OCCUPANCY SENSOR - CEILING MOUNTED. PROVIDE ACCESSORIES AS REQUIRED. |
|  | VACANCY SENSOR - WALL MOUNTED / CEILING MOUNTED |
|  | DAYLIGHT SENSOR |
|  | WALL SWITCH BANK |
|  | POWER PACK FOR OCCUPANCY SENSOR - TYPE AS REQUIRED. |
|  | ROOM CONTROLLER FOR OCCUPANCY SENSOR & DAYLIGHT SENSOR - TYPE AS REQUIRED. (PROVIDE WITH # 0-10V DIMMING RELAYS - SEE FLOOR PLANS FOR #) |
|  | GENERATOR TRANSFER DEVICE |
|  | LIGHTING CONTROL STATION |

| ABBREVIATIONS | |
|-----------------|---|
| SYMBOL | DESCRIPTION |
| AC | ABOVE COUNTER |
| AFF / AFG | ABOVE FINISHED FLOOR / ABOVE FINISHED GRADE |
| BFG | BELOW FINISHED GRADE |
| (E) / (R) / (D) | EXISTING / RELOCATED / DEMOLISH |
| EPO | EMERGENCY POWER-OFF |
| GT | GENERATOR TRANSFER |
| IT | IT EQUIPMENT RACK |
| LCP | LIGHTING CONTROL PANEL |
| NL | NIGHT LIGHT |
| SCP | SECURITY CONTROL PANEL |
| UNO | UNLESS NOTED OTHERWISE |
| UP | WEATHER PROOF |
| XFMR | TRANSFORMER |
| TGB | TELEPHONE GROUND BAR |
| TTB | TELEPHONE TERMINAL BACKBOARD |

| ELECTRICAL LEGEND | |
|---|---|
| SYMBOL | DESCRIPTION |
|  | DUPLEX RECEPTACLE - WALL MOUNTED / CEILING MOUNTED / FLOOR MOUNTED |
|  | GFCI DUPLEX / GFCI QUAD RECEPTACLE |
|  | QUAD RECEPTACLE - WALL MOUNTED / CEILING MOUNTED / FLOOR MOUNTED |
|  | DUPLEX / GFCI DUPLEX / QUAD / QUAD GFCI RECEPTACLE - WALL MOUNTED ABOVE COUNTER |
|  | USB COMBO - DUPLEX / GFCI DUPLEX RECEPTACLE & (2) USB CHARGING PORTS |
|  | USB COMBO - DUPLEX / GFCI DUPLEX RECEPTACLE & (2) USB CHARGING PORTS - WALL MOUNTED ABOVE COUNTER |
|  | USB CHARGING PORT DEVICE |
|  | JUNCTION BOX - WALL MOUNTED / CEILING MOUNTED / FLOOR MOUNTED - CONDUIT TO 6" ABOVE ACCESSIBLE CEILING AS REQUIRED |
|  | SPECIAL AMP/VOLT RECEPTACLE |
|  | GFCI DEVICE |
|  | DATA OUTLET - WALL MOUNTED / CEILING MOUNTED / FLOOR MOUNTED - PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO 6" ABOVE ACCESSIBLE CEILING. PROVIDE 90 DEG ELBOW ABOVE CEILING WITH PLASTIC GROMMET. |
|  | VOICE OUTLET - WALL MOUNTED / CEILING MOUNTED / FLOOR MOUNTED - PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO 6" ABOVE ACCESSIBLE CEILING. PROVIDE 90 DEG ELBOW ABOVE CEILING WITH PLASTIC GROMMET. |
|  | COMBINATION VOICE & DATA OUTLET - WALL MOUNTED / CEILING MOUNTED / FLOOR MOUNTED - PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO 6" ABOVE ACCESSIBLE CEILING. PROVIDE 90 DEG ELBOW ABOVE CEILING WITH PLASTIC GROMMET. |
|  | DATA / VOICE / COMBINATION VOICE & DATA OUTLET - WALL MOUNTED ABOVE COUNTER - PROVIDE JUNCTION BOX AND 3/4" CONDUIT TO 6" ABOVE ACCESSIBLE CEILING. PROVIDE 90 DEG ELBOW ABOVE CEILING WITH PLASTIC GROMMET. |
|  | TELEVISION CABLE OUTLET - WALL MOUNTED / CEILING MOUNTED - PROVIDE CABLE |
|  | RECESSED FLAT PANEL ENCLOSURE WITH DUPLEX RECEPTACLE AND AV/DATA BOX. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE 1/2" CONDUIT FOR DATA AND 3/4" CONDUIT FOR CABLE TO 6" ABOVE ACCESSIBLE CEILING. PROVIDE 90 DEG ELBOW ABOVE CEILING WITH PLASTIC GROMMET FOR DATA AND CABLE. |
|  | WIRELESS ACCESS POINT - WALL MOUNTED / CEILING MOUNTED |
|  | FLOOR BOX RECEPTACLE AND DATA. PROVIDE 1 1/2" CONDUIT TO NEAREST WALL AND THEN UP TO 6" ABOVE ACCESSIBLE CEILING. PROVIDE 90 DEG ELBOW ABOVE CEILING WITH PLASTIC GROMMET FOR DATA. |
|  | WALL MOUNTED JUNCTION BOX FOR CONNECTION TO MODULAR FURNITURE. FF = POWER CONNECTION. COORDINATE ALL POWER REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN FOR EXACT CONDUCTOR QUANTITY, CONDUCTOR CONFIGURATION AND CONNECTION REQUIREMENTS. FLY = VOICE/DATA CONNECTION. SEE LV DRAWINGS FOR ADDITIONAL INFORMATION. |

| FIRE ALARM LEGEND | |
|--|---|
| SYMBOL | DESCRIPTION |
|  | FIRE ALARM PULL STATION |
|  | FIRE EXTINGUISHER |
|  | FIRE ALARM ADA APPROVED VISUAL ONLY - WALL MOUNTED / CEILING MOUNTED |
|  | FIRE ALARM ADA APPROVED HORN AUDIO & VISUAL - WALL MOUNTED / CEILING MOUNTED |
|  | FIRE ALARM PULL STATION AT 48" AFF TO TOP OF BOX AND AUDIO/VISUAL AT 80" AFF TO BOTTOM OF VISUAL |
|  | SMOKE DETECTOR - CEILING MOUNTED - QUANTITY AS REQUIRED PER NFPA |
|  | SMOKE DETECTOR - PENDANT MOUNTED IN FRONT OF RETURN AIR OPENING - QUANTITY AS REQUIRED PER NFPA |
|  | SMOKE DETECTOR - DUCT MOUNTED - QUANTITY AS REQUIRED PER NFPA |
|  | HEAT DETECTOR - QUANTITY AS REQUIRED PER NFPA |
|  | FIREMAN'S PHONE |
|  | MAGNETIC - FIRE ALARM HOLD OPEN DEVICE |
|  | FIRE SMOKE DAMPER - PROVIDE SMOKE DETECTOR AND CONTROL POWER AS REQUIRED. COORDINATE VOLTAGE AND CONNECTION REQUIREMENTS WITH EQUIPMENT BEING PROVIDED. PROVIDE CONTROL WIRING TO CONNECT FSD WITH FIRE ALARM SYSTEM FOR MONITORING AND CONTROL OF ASSOCIATED HVAC UNIT SERVING THE SPACE |
|  | FIRE ALARM CONTROL PANEL |
|  | FIRE ALARM ANNUNCIATOR PANEL |

| SHEET LIST ELECTRICAL | |
|-----------------------|--|
| SHEET NUMBER | SHEET NAME |
| E-0.01 | ELECTRICAL LEGENDS |
| E-0.02 | ELECTRICAL NOTES |
| E-0.03 | ELECTRICAL DETAILS |
| E-0.04 | SCHEDULES AND COM CHECK - ELECTRICAL |
| E-1.01 | DEMOLITION PLAN - ELECTRICAL |
| E-1.02 | FLOOR PLAN - ELECTRICAL |
| E-1.03 | FLOOR PLAN - LIGHTING |
| E-1.04 | FLOOR PLAN - MECHANICAL AND FIRE ALARM |
| E-2.01 | PANEL SCHEDULES AND RISER DIAGRAM |

ALPHA BLDG SET 06-24-2025



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Cumming, GA 30040



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CITY OF CHAMBLEE

3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

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| Date 02/21/2025 | Job No. 24010 |

Sheet Title
ELECTRICAL
LEGENDS

Sheet No.

E-0.01

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ELECTRICAL GENERAL NOTES:

- ALL WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE.
- THE ELECTRICAL WORK SHALL CONSIST OF ALL LABOR AND MATERIAL TO COMPLETELY INSTALL ALL ELECTRICAL WORKS AS SHOWN ON THESE DRAWINGS.
- COORDINATE LOCATION OF LIGHT FIXTURES IN AREAS OF MECHANICAL DUCTWORK AND PIPING WITH MECHANICAL CONTRACTOR. RELOCATE LIGHT FIXTURES, WIRING AND CONDUIT IF NECESSARY AS DIRECTED BY THE ARCHITECT/ENGINEER.
- ALL WORK ASSOCIATED WITH THE SCOPE OF THIS PROJECT INCLUDING EQUIPMENT, ACCESSORIES, DEVICES, SYSTEMS, ETC. SHALL BE COVERED BY A ONE YEAR GUARANTEE WHICH SHALL START AT THE TIME OF FINAL ACCEPTANCE BY THE OWNER. ANY DEFECTS IN PRODUCTS, INSTALLATION, OR WORKMANSHIP SHALL BE CORRECTED AT NO ADDITIONAL CHARGE AND SHALL INCLUDE ANY NECESSARY REPAIRS TO WALLS, FLOORS, MILLWORK, ETC. WHICH SHALL BE REPAIRED BACK TO NEW AND FINISHED CONDITION.
- THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF THIS WORK THE CONTRACTOR SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
- THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE EXACT ROUTING OR DETAILED FITTINGS. ALL WORK SHALL BE INSTALLED AS A COMPLETE SYSTEM WITH NECESSARY COMPONENTS, FITTINGS, STRAPS, ETC. ALL JUNCTION BOXES AND COMPONENTS SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE.
- REFER TO THE ENTIRE CONTRACTED DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE ELECTRICAL SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINE WORK.
- ALL CONDUIT MUST BE CONCEALED ABOVE THE CEILING OR IN THE WALLS UNLESS OTHERWISE NOTED.
- COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH ALL EQUIPMENT.
- THE CONTRACTOR SHALL INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER AND ACCORDING TO GENERALLY ACCEPTED PRACTICES OF FIRST CLASS WORKMANSHIP.
- PROVIDE A NEW DIRECTORY FOR ALL PANELS. CORRECTLY LABEL ALL CIRCUITS, SPACES AND SPARES PER NEC 408.4.
- ALL RECESSED LIGHTING FIXTURES SHALL BE FASTENED TO STRUCTURE OR GRID PER N.E.C. 410.
- ANY CONDUIT, BUSWAY, CABLE TRAY, SLEEVES, ETC. THAT PENETRATE RATED WALLS, CEILINGS AND FLOORS SHALL BE FIRE STOPPED PER CODE.
- MOUNTING HEIGHTS FOR DEVICES ARE TO BE MEASURED TO THE DEVICE CENTERLINE.
- ALL BRANCH CIRCUITS SHALL BE WIRED ½", 2-#12, 1-#12G MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM ¾" CONDUIT.
- PROVIDE A SEPARATE GREEN, INSULATED, #12AUG EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE BRANCH CIRCUIT HOMERUN CONDUCTORS. PROVIDE GROUND THROUGH ENTIRE CONDUIT RUN TO THE LAST DEVICE. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL WHICH FEEDS THE EQUIPMENT. PROVIDE GROUNDING PER NEC 250.
- ALL SWITCHES FOR LIGHTS, FANS, ETC., WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA, SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
- ARMORED CABLE MAY BE USED IN WALLS AND MILLWORK ONLY AND MUST BE MC TYPE (WITH GROUND). ALL CONDUIT TO AND ABOVE THE PLENUM SHALL BE EMT. ALL HOMERUNS SHALL BE IN CONDUIT RAN FROM THE FIRST DEVICE OR LIGHT FIXTURE TO THE PANEL.
- THE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF OUTLETS, LIGHT FIXTURES, AND PARTITIONS. FINISHES FOR DEVICES AND COVERPLATES SHALL BE AS SELECTED BY ARCHITECT.
- PROVIDE A 2-GANG OUTLET BOX AND 1" CONDUIT WITH PULL STRING TO ABOVE ACCESSIBLE CEILING FOR ALL NEW DATA, TELEPHONE AND CABLE OUTLETS. COORDINATE PLASTER RING SIZE WITH TENANT AND CABLE VENDOR.
- LIGHT FIXTURES SHALL BE AS SCHEDULED, WITH ONLY PRE-APPROVED EQUAL FIXTURES ACCEPTABLE.
- ALL CONDUCTORS SHALL BE COPPER. CONDUCTORS FOR SIZES NO. 10 AND SMALLER SHALL BE TYPE "THIN" OR "THIN THIN". CONDUCTORS FOR SIZES NO. 8 AND LARGER SHALL BE TYPE "XHHW". SOLID CONDUCTORS TERMINATING IN A BREAKER OR DEVICE SHALL BE UTILIZED FOR WIRE SIZE NO. 12. MINIMUM WIRE SIZE SHALL BE NO. 12.
- ALL BOXES SHALL BE PRESSSED STEEL, SINGLE PIECE (NON-GANGABLE) TYPE.
- ALL COVER PLATES SHALL BE STAINLESS STEEL.
- ALL COVER PLATES FOR DEVICES AND JUNCTION BOXES SHALL HAVE CIRCUIT NUMBERS LABELED WITH INDELIBLE INK MARKER. DEVICE COVERS SHALL BE LABELED ON THE BACK, JUNCTION BOX COVERS SHALL BE LABELED ON THE FRONT.
- RECEPTACLES SHALL BE 120 VOLT, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, F4S, OR LEVITON. COLOR SHALL BE AS SELECTED BY THE ARCHITECT.

| | |
|-------------------|-----------|
| SINGLE RECEPTACLE | #HBL5361X |
| DUPLEX RECEPTACLE | #HBL5352X |
| GFCI RECEPTACLE | #GFS335X |
- SWITCHES SHALL BE 120/277V, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, F4S, OR EAGLE. COLOR SHALL BE AS SELECTED BY THE ARCHITECT.

| | |
|---|-----------|
| SINGLE POLE | #HBLU22X |
| THREE WAY | #HBLU223X |
| FOUR WAY | #HBLU224X |
| (ADD "L" SUFFIX FOR KEYED LOCKING TYPE) | |
- PANELBOARDS, MOTOR STARTERS, SAFETY SWITCHES (HEAVY DUTY), ETC. SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC, SQUARE D, SIEMENS, OR CUTLER HAMMER. ALL BREAKERS SHALL BE "BOLT-ON" TYPE.
- FOR EQUIPMENT THAT IS TO BE WIRED BY ELECTRICAL CONTRACTOR AND FURNISHED BY OTHERS, ELECTRICAL CONTRACTOR SHALL REVIEW ALL SPECIFICATION SECTIONS, EQUIPMENT SCHEDULES, AND/OR DETAILS THROUGHOUT DOCUMENTS THAT PERTAIN TO THIS EQUIPMENT AND INCLUDE ALL WIRING AND DEVICES REFERENCED IN THEIR BIDS. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF THIS EQUIPMENT WITH RESPECTIVE CONTRACTOR PRIOR TO ROUGH-IN.
- ALL ABANDONED WIRE SHALL BE REMOVED.
- WHERE WORK BY THE GENERAL CONTRACTOR (WALL REMOVE, NEW OR RELATED WALL OPENING, ETC.) RESULTS IN THE REMOVALS, REFEEDING, OR RELOCATION OF LIGHTING FIXTURES OR ELECTRICAL DEVICES, THE ELECTRICAL CONTRACTOR SHALL DISCONNECT OR RECONNECT AS REQUIRED ALL ACTIVE DEVICES REMAINING ON THAT CIRCUIT SYSTEM.
- RING OUT ALL CIRCUITS IN EXISTING PANEL AFFECTED BY THIS ALTERATION WHERE ADDITIONAL CIRCUITS ARE NEEDED, REUSE CIRCUITS AVAILABLE FOR REUSE, OR PROVIDE NEW BREAKERS. TAG ALL UNUSED CIRCUITS AS SPARE, REPLACE ALL INOPERATIVE OR DEFECTIVE CIRCUIT BREAKERS, AND TIGHTEN ALL CONNECTIONS.
- WHERE DEMOLITION DISRUPTS ELECTRICAL CONTINITY OF EXISTING RECEPTACLES/LIGHTS, AND NO RECONNECTION IS SHOWN, RECONNECT TO ITS EXISTING CIRCUIT.
- ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE APPROXIMATE. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS OF EXISTING STRUCTURES AND EQUIPMENT TO VERIFY DIMENSIONS SHOWN ON THE DRAWINGS. PROVIDE PROPER DIMENSIONS NOT SHOWN PRIOR TO EQUIPMENT FABRICATION. ALL COST FOR MODIFICATIONS OF NEW CONSTRUCTION DUE TO LACK OF CONFIRMATION OF DIMENSIONS BY FIELD MEASUREMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- PROVIDE 120 VOLT POWER FOR ALL SMOKE/FIRE DAMPERS AND TIE DAMPERS BACK TO THE BUILDING FIRE ALARM SYSTEM SO THAT UPON ACTIVATION OF DUCT MOUNTED SMOKE DETECTOR OR INDIVIDUAL SENSORS ASSOCIATED WITH DAMPER A SIGNAL WILL BE SENT BACK TO THE BUILDING FIRE ALARM SYSTEM INDICATING ALARM AND STATUS OF DAMPER (OPEN/CLOSED). CONTRACTOR SHALL PROVIDE ALL WIRING, DUCT MOUNTED SMOKE DETECTORS, MODULES, RELAY AND ASSOCIATED EQUIPMENT REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE EXACT CONNECTION REQUIREMENTS BETWEEN ALL TRADES (ELECTRICAL, MECHANICAL & FIRE PROTECTION). CONTRACTOR SHALL COORDINATE QUANTITY OF DUCT MOUNTED SMOKE DETECTORS.
- CONDUCTORS SHALL HAVE COLOR CODED JACKETS THE ENTIRE LENGTH FOR SIZES NO. 6 AND SMALLER. THE CONDUCTORS FOR SIZES NO. 4 AND LARGER SHALL HAVE COLOR CODED MARKING TAPE OR COLOR CODED JACKETS THE ENTIRE LENGTH. COLORS SHALL BE AS FOLLOWS:

| |
|---------------------|
| 120/208 VOLT SYSTEM |
| PHASE 'A' - BLACK |
| PHASE 'B' - RED |
| PHASE 'C' - BLUE |
| NEUTRAL - WHITE |
| GROUND - GREEN |
- WHERE PHASE MARKING TAPE IS USED IT SHALL BE WRAPPED 2" WIDE AND LOCATED AT TWO (2) LOCATIONS 6" AND 18" FROM THE TERMINATION. PHASE MARKING TAPE FOR THE NEUTRAL AND GROUNDING CONDUCTORS SHALL BE PROVIDED WHERE VISIBLE AT ANY POINT WHERE THE CONDUCTOR IS ACCESSIBLE.
- ALL 120 VOLT BRANCH CIRCUIT CONDUCTORS EXCEEDING 100' IN LENGTH SHALL BE INCREASED TO THE NEXT WIRE SIZE TO ACCOMMODATE FOR VOLTAGE DROP.
- PROVIDE ARC-FLASH WARNING LABELS ON ELECTRICAL EQUIPMENT THAT COMPLIES WITH NEC 110.16.
- PROVIDE CONSPICUOUS AND PERMANENT LABEL ON NEW PANEL BOARDS INDICATING AVAILABLE FAULT CURRENT PER NEC 110.24.
- ALL PANEL BOARDS SHALL BE CORROSION RESISTANT, 20"W x 6"D NOMINAL, REINFORCED STEEL WITH CONCEALED HINGES AND TRIM. TRIM CLAMPS ARE UNACCEPTABLE. SHORT CIRCUIT RATING SHALL BE THE INTERRUPTING RATING OF THE LOWEST RATED DEVICE IN THE PANEL. LUGS SHALL HAVE 90 DEG. CAPACITY. BUS BARS SHALL BE COPPER, PHASE EQUIVOCED, FULLY INSULATED. CONTINUOUS FOR EACH PHASE, AND RATED AS INDICATED ON PLANS. LUGS SHALL BE RATED FOR 75 DEGREE C TERMINATIONS. INTERIORS SHALL BE CONVERTIBLE FOR TOP OR BOTTOM INCOMING FEED. PROTECTIVE DEVICES SHALL BE BOLT-IN MOLDED CASE CIRCUIT BREAKERS (MAXIMUM OF 42 DEVICES EXCLUDING MAIN BREAKER) WITH THERMAL AND MAGNETIC TRIP ELEMENTS IN EACH POLE. ALL BREAKERS SHALL HAVE HANDLE TRIP INDICATOR AND A TRIP INDICATOR IN WINDOW OF CIRCUIT BREAKER HOUSING. MAIN BREAKERS SHALL BE UL LISTED FOR USE WITH SHUNT, UNDER VOLTAGE, AND GROUND FAULT SHUNT TRIPS; AUXILIARY AND ALARM SWITCHES; AND MECHANICAL LUG KITS. BRANCH BREAKERS SHALL BE UL LISTED FOR USE WITH SHUNT TRIPS, AUXILIARY AND ALARM SWITCHES. FINISH SHALL BE CORROSION RESISTANT, ZINC FINISH GALVANNEAL. FRONTS SHALL BE POWDER FINISH PAINTED ANSI 61 GRAY. PANEL BOARDS TO BE SQUARE D, GENERAL ELECTRIC, OR SIEMENS.

FIRE ALARM NOTES:

- ALL NEW FIRE ALARM DEVICES SHALL BE ADA APPROVED.
- ALL AUDIO/VISUAL DEVICES SHALL MATCH EXISTING FACILITY STANDARDS IN ALL ASPECTS.
- ALL FIRE ALARM DEVICE ARE TO BE CONNECTED TO THE BASE BUILDING FIRE ALARM SYSTEM BY A NICET LEVEL 3 LICENSED INSTALLER AND SHALL BE APPROVED BY THE LANDLORD.
- CONFIRM EXISTING A/V LOADS PRIOR TO BEGINNING CONSTRUCTION AND PROVIDE NEW FIRE ALARM POWER SUPPLIES WITHIN THE TENANT SPACE AS REQUIRED.
- ALL WORK ASSOCIATED WITH THE FIRE ALARM SYSTEM SHALL BE COORDINATED WITH THE BUILDINGS CHIEF ENGINEER.
- CONTRACTOR SHALL RE-TEST FIRE ALARM SYSTEM PRIOR TO TURNING OVER SPACE TO TENANT TO VERIFY ALL DEVICES ARE WORKING PROPERLY AND SYNCED PER CODE. CONTRACTOR SHALL PROVIDE REPORT TO LANDLORD, TENANT AND FIRE MARSHALL CONFIRMING BUILDING FIRE ALARM SYSTEM IS IN PROPER WORKING CONDITION.
- CONTRACTOR SHALL PROVIDE (1) ¾" C. WITH PULL STRING ROUTED FROM THE FIRE ALARM CONTROL PANEL TO NEW "PIV" WHEN INSTALLED FOR FIRE ALARM SIGNAL WIRING. COORDINATE LOCATION OF PIV WITH CIVIL ENGINEER.

VOICE/DATA AND SECURITY NOTES:

- PROVIDE OUTLET BOX WITH 1" CONDUIT (UNLESS NOTED OTHERWISE ON PLANS) TO 6" ABOVE ACCESSIBLE CEILING FOR ALL WALL MOUNTED VOICE/DATA AND SECURITY DEVICES.
- PROVIDE POWER FOR SECURITY DEVICES AS REQUIRED.

SHOP DRAWING AND PRODUCT DATA SUBMITTALS:

- SHOP DRAWINGS AND/OR PRODUCT DATA SHALL BE SUBMITTED FOR THE FOLLOWING FOR REVIEW:
 - SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, BUSWAY, MOTOR CONTROL CENTERS, GROUND FAULT SYSTEM AND OTHER EQUIPMENT ASSOCIATED WITH THE MAIN DISTRIBUTION
 - DISCONNECT SWITCHES, FUSES, MOTOR STARTERS.
 - LIFE SAFETY SYSTEM.
 - LIGHTING FIXTURES, LIGHTING CONTROL SYSTEM, DIMMING SYSTEM, EMERGENCY BATTERIES AND OTHER EQUIPMENT ASSOCIATED WITH LIGHTING.
 - TRANSIENT VOLTAGE SURGE PROTECTION
 - GENERATOR, UPS, TRANSFER SWITCHES, BATTERIES, STATIC SWITCHES, TRANSITION SWITCHES, SWITCHGEAR AND OTHER EQUIPMENT ASSOCIATED WITH EMERGENCY AND/OR STANDBY BACK-UP POWER SYSTEMS.
 - DEVICES, RECEPTACLES, SWITCHES, COVERPLATES, MOTION SENSORS. THE PRODUCT DATA SHALL INCLUDE THE MANUFACTURERS NAME, MODEL NUMBER, SIZE AND COLOR.
 - CONDUIT, WIRE, BOXES, FITTINGS.
- ALL SHOP DRAWINGS AND SUBMITTALS SHALL INCLUDE A STAMPED INDICATION SIGNIFYING THAT THE SUBMITTAL HAS BEEN REVIEWED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS BY THE CONTRACTOR. THIS STAMPED INDICATION ALSO REPRESENTS THE FACT THAT THE CONTRACTOR HAS CHECKED THIS SUBMITTAL FOR ITS INTERACTION WITH ALL OTHER DIVISIONS AND CERTIFIES BY HIS SIGNATURE OR INITIALS THAT ALL COORDINATION HAS TAKEN PLACE, THE STAMP SHALL INCLUDE THE DATE, NAME OF THE CONTRACTING FIRM, THE SIGNATURE OF THE CONTRACTOR, CERTIFICATION OF COMPLIANCE AND APPROVAL. THIS STAMP SHALL BE ON THE SUBMITTAL BEFORE THE ENGINEER WILL REVIEW IT.



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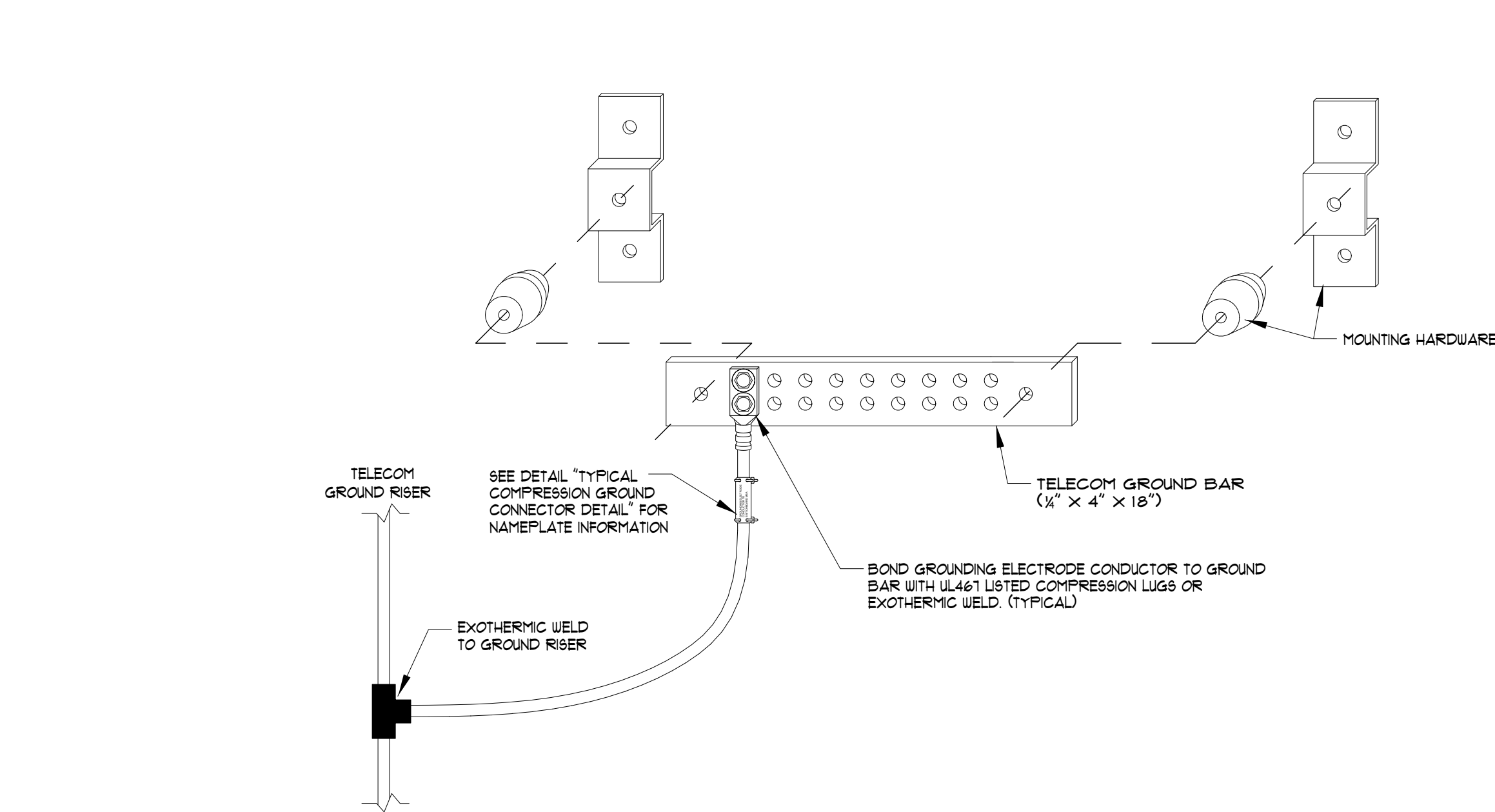
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ELECTRICAL NOTES

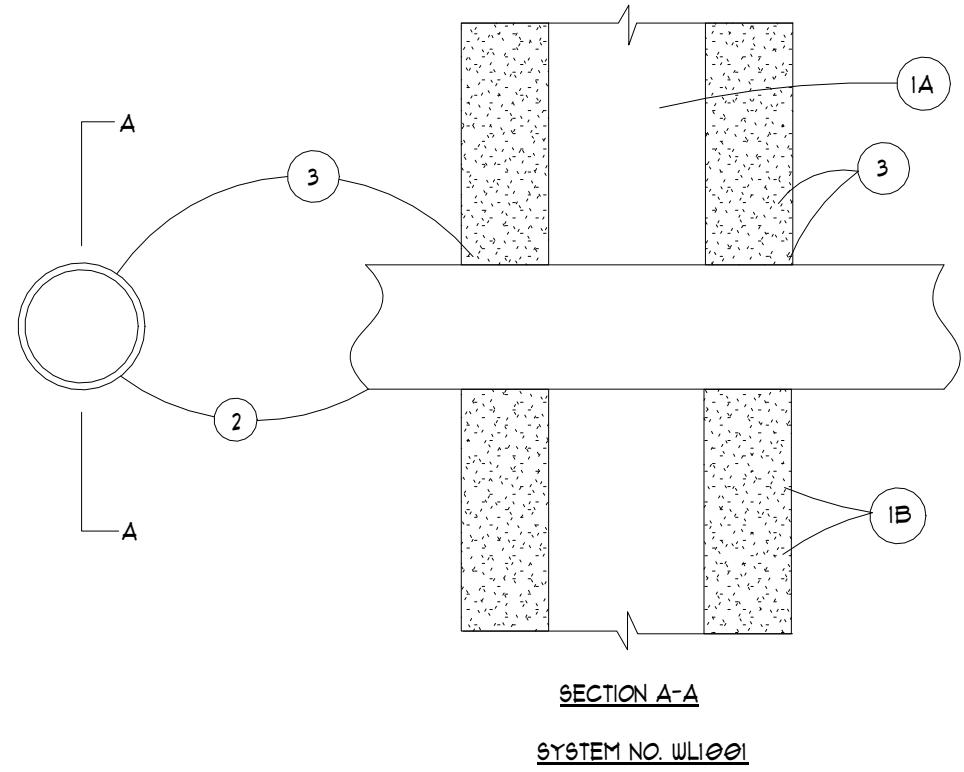
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3 TYPICAL TELECOM GROUND BAR (TGB)
NOT TO SCALE



4 TYPICAL WALL PENETRATION DETAIL
NOT TO SCALE

SYSTEM NO. WJ-L1001

F RATINGS — 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3),
T RATINGS — 0, 1, 2, 3, AND 4 HR (SEE ITEM 3),
L RATING AT AMBIENT — LESS THAN 1 CFM/SQ FT,
L RATING AT 400 F — LESS THAN 1 CFM/SQ FT

1. WALL ASSEMBLY — THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

B. GYPSUM BOARD* — NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).

2. THROUGH-PENETRANT — ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM) (POINT CONTACT) TO MAX 2 IN. (51 MM) PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE — NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

B. IRON PIPE — NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.

C. CONDUIT — NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

D. COPPER TUBING — NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

E. COPPER PIPE — NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

F. THROUGH PENETRATING PRODUCT* — FLEXIBLE METAL PIPING THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:

1. NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

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2. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

GASTITE, DIV. OF TITEX

3. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

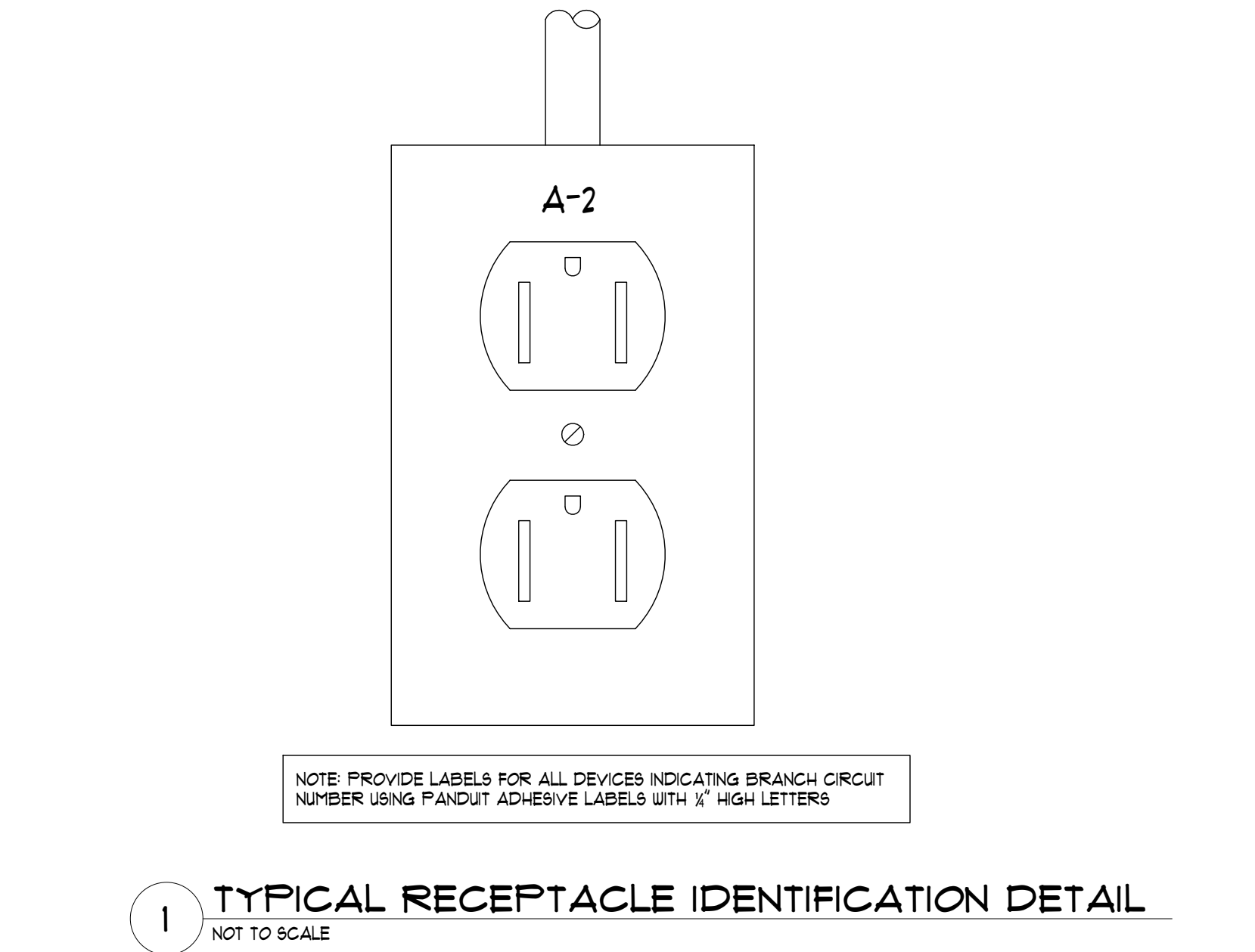
WARD MFG L L C

3. FILL, VOID OR CAVITY MATERIAL* — CAULK OR SEALANT — MIN 5/8 (1-1/4)-1/8 AND 2-1/2 IN. (6, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

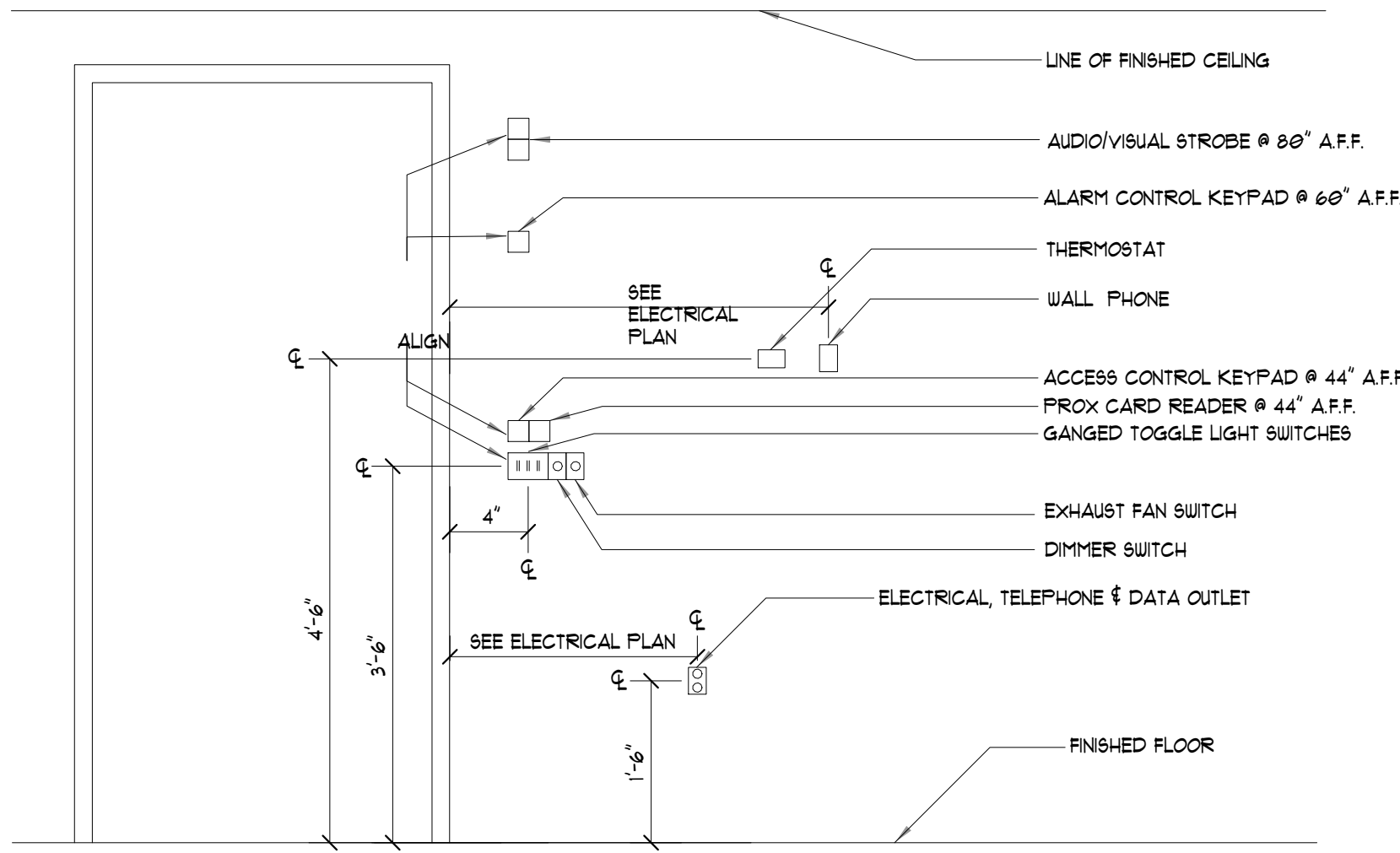
| MAX PIPE OR CONDUIT DIAM IN (MM) | F RATING HR | T RATING HR |
|----------------------------------|-------------|-------------|
| 1 (25) | 1 OR 2 | 0*, 1 OR 2 |
| 1 (25) | 3 OR 4 | 3 OR 4 |
| 4 (102) | 1 OR 2 | 0 |
| 6 (152) | 3 OR 4 | 0 |
| 12 (305) | 1 OR 2 | 0 |

*WHEN COPPER PIPE IS USED, T RATING IS 0 H.

3M COMPANY — CP 250B* OR FB-3000 UT.



1 TYPICAL RECEPTACLE IDENTIFICATION DETAIL
NOT TO SCALE



2 TYPICAL ELECTRICAL DEVICE MOUNTING HEIGHTS
NOT TO SCALE

ALPHA BLDG SET 06-24-2025



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CHAMBLEE PUBLIC WORKS OFFICE RENOVATION

CITY OF CHAMBLEE
3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

PRINT RECORD

| No. | DATE | DESCRIPTION |
|-----|------------|-------------------|
| | 12-20-24 | ISSUED FOR PERMIT |
| | 02-04-25 | ISSUED FOR BID |
| | 02/21/2025 | ADDENDUM A |
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| Drawn By CTD | Checked By CTB |
| Date 02/21/2025 | Job No. 24010 |

Sheet Title
**ELECTRICAL
DETAILS**

Sheet No.

E-0.03

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| MECHANICAL EQUIPMENT CONNECTION SCHEDULE | | | | | | | |
|--|------------------|----------------|---------------------|---------|--------------------|--------------------|-------|
| TAG | LOAD | VOLT/ PHASE | CIRCUIT DESIGNATION | BREAKER | BRANCH CIRCUIT | DISCONNECT | NOTES |
| (E) AHU-1 | EXISTING | --- | --- | --- | --- | --- | 4 |
| (E) AHU-2 | EXISTING | --- | --- | --- | --- | --- | 4 |
| (E) AHU-3 | EXISTING | --- | --- | --- | --- | --- | 4 |
| (E) AHU-4 | EXISTING | --- | --- | --- | --- | --- | 4 |
| AHU-5 | 3/4 HP 1.5 KW | 208V/1P | A-34,36 | 60A/2P | 4#4,1#0G,1,-1/4"C. | 60A/2P/1/60AF | 4 |
| (E) HP-1 | EXISTING | --- | --- | --- | --- | --- | --- |
| (E) HP-2 | EXISTING | --- | --- | --- | --- | --- | --- |
| (E) HP-3 | EXISTING | --- | --- | --- | --- | --- | --- |
| (E) HP-4 | EXISTING | --- | --- | --- | --- | --- | --- |
| HP-5 | 32.8 MCA | 208V/1P | A-39,41 | 50A/2P | 2#6,1#0G,1,-1/4"C. | 60A/2P/3R/50AF | |
| (E) EF-1 | EXISTING | --- | --- | --- | --- | --- | --- |
| (E) EF-2 | EXISTING | --- | --- | --- | --- | --- | --- |
| (E) EF-3 | EXISTING | --- | --- | --- | --- | --- | --- |
| EF-4 | 307 W | 120V/1P | SEE NOTE | --- | 2#12,1#12G,3/4"C. | MOTOR RATED SWITCH | 1,2 |
| VF-1 | 1/8 HP | 120V/1P | SEE NOTE | --- | 2#12,1#12G,3/4"C. | MOTOR RATED SWITCH | 1,3 |
| VF-2 | 29 W | 120V/1P | SEE NOTE | --- | 2#12,1#12G,3/4"C. | MOTOR RATED SWITCH | 1,3 |
| WH-1 | 12.3 KW | 208V/3P | A-38,40,42 | 80A/3P | 3#3,1#0G,3/4"C. | 100A/3P/1/NF | |
| RP-1 | 90 W | 120V/1P | SEE NOTE | --- | 2#12,1#12G,3/4"C. | MOTOR RATED SWITCH | 1 |

| MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES | |
|--|--|
| NUMBER | NOTES |
| 1 | CONNECT TO NEAREST 120V, 20A CONVENIENCE RECEPTACLE WITH 2#12,1#12G,3/4"C. |
| 2 | FAN TO BE RUN CONTINUOUSLY DURING OCCUPIED HOURS. |
| 3 | FAN TO BE CONTROLLED BY THERMOSTAT. |
| 4 | CIRCUIT MOTOR OPERATED DAMPER TO NEAREST AVAILABLE RECEPTACLE CIRCUIT |

| LIGHTING FIXTURE SCHEDULE | | | | | | |
|---|---|-------------|------------------------|-------------------------|--|-------|
| FIXTURE TYPE | DESCRIPTION | INPUT WATTS | LAMPS | BALLAST | MANUFACTURER | NOTES |
| A | 2'x4' LED TROFFER LIGHT FIXTURE, UNIVERSAL VOLTAGE | 30 W | 3100 LUMENS 3500K | LED 0-10V DIMMING | COOPER LIGHTING #: 24CZ2-6CT3-UNV | |
| AE | SAME AS TYPE 'A' EXCEPT WITH EMERGENCY BATTERY BACKUP | -- | -- | -- | COOPER LIGHTING #: 24CZ2-6CT3-UNV-ELI0W | |
| B | 2'x2' LED TROFFER LIGHT FIXTURE, UNIVERSAL VOLTAGE | 30 W | 4100 LUMENS 3500K | LED 0-10V DIMMING | COOPER LIGHTING #: 22CZ2-6CT3-UNV | |
| C | 4" LED ROUND DOWNLIGHT, UNIVERSAL VOLTAGE | 33 W | 3000 LUMENS 3500K | LED 0-10V DIMMING | VANTAGE LIGHTING V40FCRU-3035K-SDM | |
| CE | SAME AS TYPE 'C' EXCEPT WITH EMERGENCY BATTERY BACKUP | -- | -- | -- | VANTAGE LIGHTING V40FCRU-3035K-SDMREM | |
| CW | 4.5" LED ROUND DOWNLIGHT, UNIVERSAL VOLTAGE | 21.8 W | 3000 LUMENS 3500K | LED 0-10V DIMMING | 4DR-TL-L30/8/35-DIM-UNV-WET | |
| F | 4' LINEAR LED FIXTURE, UNIVERSAL VOLTAGE | 26.4 W | 3462.5 LUMENS 3500K | LED 0-10V DIMMING | COOPER LIGHTING #S123DR-5-560D-35-4FO-U-DD | |
| G | BATHROOM VANITY FIXTURE | 18 W | 1550 LUMENS 3500K | LED 0-10V DIMMING | FMVCSL8-24IN-MVOLT-35K-90CRI | - |
| H | EXTERIOR WALL PACK LED FIXTURE WITH INTEGRAL PHOTOCELL, UNIVERSAL VOLTAGE, PROVIDE EXTERNAL EMERGENCY BATTERY PACK SIMILAR TO BODINE #ELI-5-100 | 30 W | 3100 LUMENS 4000K | FIXED LED DRIVER | COOPER LIGHTING #TRD WPX DCST 30W 3.7KLM 4000K D2D UNV BZ | |
| X | LED EDGE-LIT EXIT SIGN GREEN LETTERS, CLEAR PANEL OR MIRROR FOR 2 SIDE, UNIVERSAL MOUNTED, BRUSHED ALUMINUM TRIM PLATE, PUNCH OUT CHEVRONS, PROVIDE WITH 90 MIN. NCAD BATTERY BACKUP. | 1 W | LED | FIXED LED DRIVER | LITHONIA LIGHTING EDGR-X-GMR SERIES OR EQUAL BY EMERGI-LITE, DUAL-LITE | |
| NOTES: 1.CONFIRM VOLTAGE WITH DRAWINGS AND COORDINATE/CONFIRM ALL MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ORDERING AND INSTALLATION. 2.PROVIDE MOUNTING OPTION(S) NECESSARY TO ACCOMMODATE CEILING TYPES SPECIFIED BY ARCHITECTURAL DOCUMENTS FOR ALL RECESSED FIXTURES. 3.PROVIDE ALL HARDWARE AND ACCESSORIES TO INSTALL FIXTURES AS INDICATED IN FIXTURE DESCRIPTION. 4.MANUFACTURER PART NUMBERS MAY NOT NECESSARILY MATCH DESCRIPTION. OBTAIN CLARIFICATION IF A CONFLICT EXIST BETWEEN DESCRIPTION AND MODEL NUMBER. 5.ALL LAMPS SHALL BE BY THE SAME MANUFACTURER. PROVIDE 5% (MINIMUM 10 LAMPS OF EACH TYPE) SPARE LAMP ATTIC STOCK FOR OWNER AT PROJECT COMPLETION 6.MANUFACTURER LISTED AS AN "OR EQUAL" DOES NOT GUARANTEE APPROVAL. FIXTURE PERFORMANCE MUST MEET OR EXCEED SPECIFIED FIXTURE 7.ALL FIXTURES NOT SPECIFICALLY LISTED BY MODEL NUMBER REQUIRE A PRIOR APPROVAL SUBMITTAL IN WRITING. NO VERBAL APPROVALS WILL BE ALLOWED. 8.FIXTURES FURNISHED BY INTERIOR DESIGNER AND SHIPPED TO SITE, TO BE RECEIVED, STORED, AND INSTALLED BY GC. GC SHALL SUPPLY ALL LAMPS AND ACCESSORIES. 9.FIXTURE ALLOWANCE IS FOR FIXTURE AND SHIPING COST TO THE JOBSITE ONLY. GC SHALL INCLUDE COST TO RECEIVE, STORE AND INSTALL FIXTURE. GC SHLL SUPPLY ALL LAMPS AND ACCESSORIES | | | | | | |



COMcheck Software Version 4.1.5.5

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: CHAMBLEE PUBLIC WORKS OFFICE RENOVATION
Project Type: Alteration

Construction Site: 3220 CUMBERLAND DRIVE
CHAMBLEE, GA 30341
Owner/Agent:
Designer/Contractor: OWEN CONRAD
CONWAY AND OWEN
1455 BLUEGRASS LAKES PARKWAY
ALPHARETTA, GA 30004
678-350-9000
OCONRAD@CONWAY-OWEN.COM

Allowed Interior Lighting Power

| A Area Category | B Floor Area (ft2) | C Allowed Watts / ft2 | D Allowed Watts (B X C) |
|--|--------------------------|-----------------------------|-------------------------------|
| 1-Common Space Types:Lounge/Breakroom | 1112 | 0.73 | 812 |
| 2-Common Space Types:Locker Room | 794 | 0.75 | 596 |
| 3-Common Space Types:Office - Enclosed | 542 | 1.11 | 602 |
| 4-Common Space Types:Corridor/Transition <8 ft wide | 465 | 0.66 | 307 |
| 5-Common Space Types:Restrooms | 318 | 0.98 | 312 |
| 6-Common Space Types:Conference/Meeting/Multipurpose | 292 | 1.23 | 359 |
| 7-Common Space Types:Storage <50 sq.ft. | 125 | 1.24 | 155 |
| Total Allowed Watts = | | | 3142 |

Proposed Interior Lighting Power

| Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast | B Lamps/ Fixture | C # of Fixtures | D Fixture Watt. | E (C X D) |
|--|------------------------|-----------------------|-----------------------|--------------|
| Common Space Types:Lounge/Breakroom (1112 sq.ft.) A AND AE: Other: | 1 | 12 | 30 | 360 |
| Common Space Types:Locker Room (794 sq.ft.) C AND CE: Other: | 1 | 22 | 33 | 726 |
| CW: Other: | 1 | 8 | 33 | 264 |
| G: Other: | 1 | 3 | 18 | 54 |
| Common Space Types:Office - Enclosed (542 sq.ft.) A: Other: | 1 | 5 | 30 | 150 |
| C: Other: | 1 | 2 | 33 | 66 |
| Common Space Types:Corridor/Transition <8 ft wide (465 sq.ft.) C AND CE: Other: | 1 | 6 | 33 | 198 |
| C AND CE: Other: | 1 | 10 | 33 | 330 |
| Common Space Types:Conference/Meeting/Multipurpose (292 sq.ft.) | | | | |

Project Title: CHAMBLEE PUBLIC WORKS OFFICE RENOVATION
Data filename: H:\jericho Design Group\24362 - Chamblee Public Works Office\Calcs\IECOM CHECK.cck
Report date: 08/30/24
Page 1 of 6

| Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast | B Lamps/ Fixture | C # of Fixtures | D Fixture Watt. | E (C X D) |
|--|------------------------|-----------------------|-----------------------|--------------|
| A AND AE: Other: | 1 | 3 | 30 | 90 |
| C: Other: | 1 | 4 | 33 | 132 |
| Common Space Types:Storage <50 sq.ft. (125 sq.ft.) | | | | |
| B: Other: | 1 | 2 | 30 | 60 |
| C: Other: | 1 | 1 | 33 | 33 |
| Total Proposed Watts = | | | | 2463 |

Interior Lighting PASSES

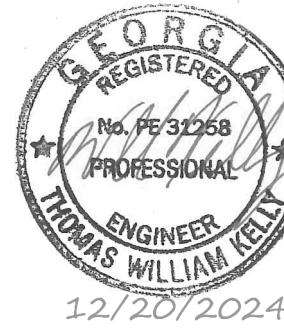
Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

OWEN CONRAD
Name - Title
Signature
08/30/2024
Date



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CHAMBLEE PUBLIC WORKS
OFFICE RENOVATION

CITY OF CHAMBLEE

3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

PRINT RECORD

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Drawn By CTD
Checked By WK

Date 02/21/2025
Job No. 24010

Sheet Title
SCHEDULES AND
COM CHECK -
ELECTRICAL

Sheet No.

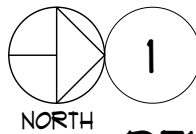
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DEMOLITION PLAN - ELECTRICAL

1/8" = 1'-0"

DEMOLITION NOTES:

1. REMOVE AND DISCARD ALL LIGHT FIXTURES IN AREAS OF WORK. COORDINATE EXACT WORK AREAS WITH ARCHITECTURAL DOCUMENTS. REFER TO LIGHTING PLAN FOR EXISTING FIXTURES TO REMAIN/BE RELOCATED.
2. ALL EXISTING FIXTURES AND MATERIAL SHALL BE DISPOSED OF AT AN APPROVED DISPOSAL FACILITY.
3. WHERE DEMOLITION DISRUPTS THE ELECTRICAL CONTINUITY OF EXISTING RECEPTACLES/LIGHTS AND NO RECONNECTION IS SHOWN, RECONNECT TO IT'S EXISTING CIRCUIT.
4. ALL ABANDONED WIRE SHALL BE REMOVED.
5. ALL ABANDONED CONDUIT AND BOXES THAT ARE NOT IN CONCRETE SHALL BE REMOVED.
6. SEE ELECTRICAL AND LIGHTING PLANS FOR MORE INFORMATION.
7. REFER TO ARCHITECTURAL DRAWINGS FOR FULL SCOPE OF DEMOLITION WORK.

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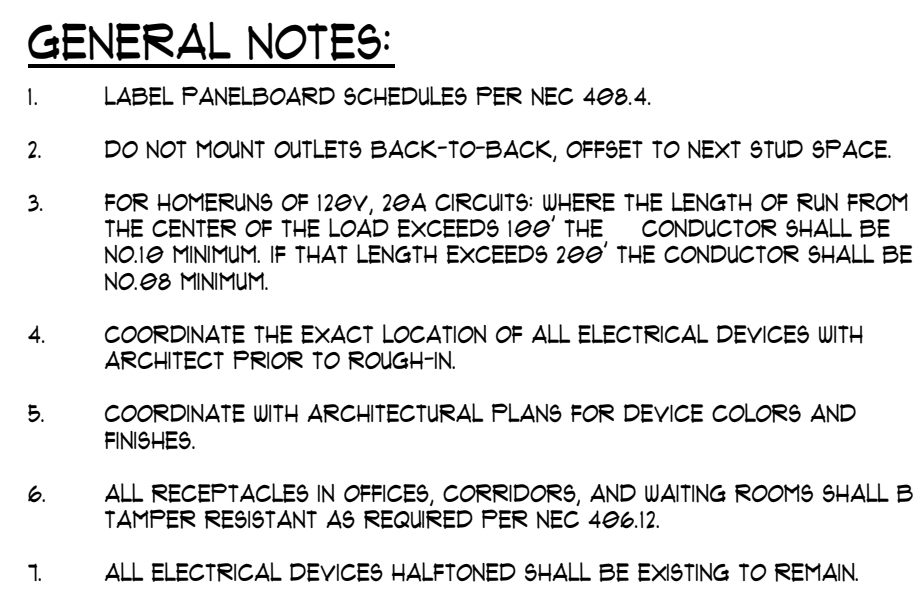
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| Drawn By CTD | Checked By CTB |
| Date 02/21/2025 | Job No. 24010 |

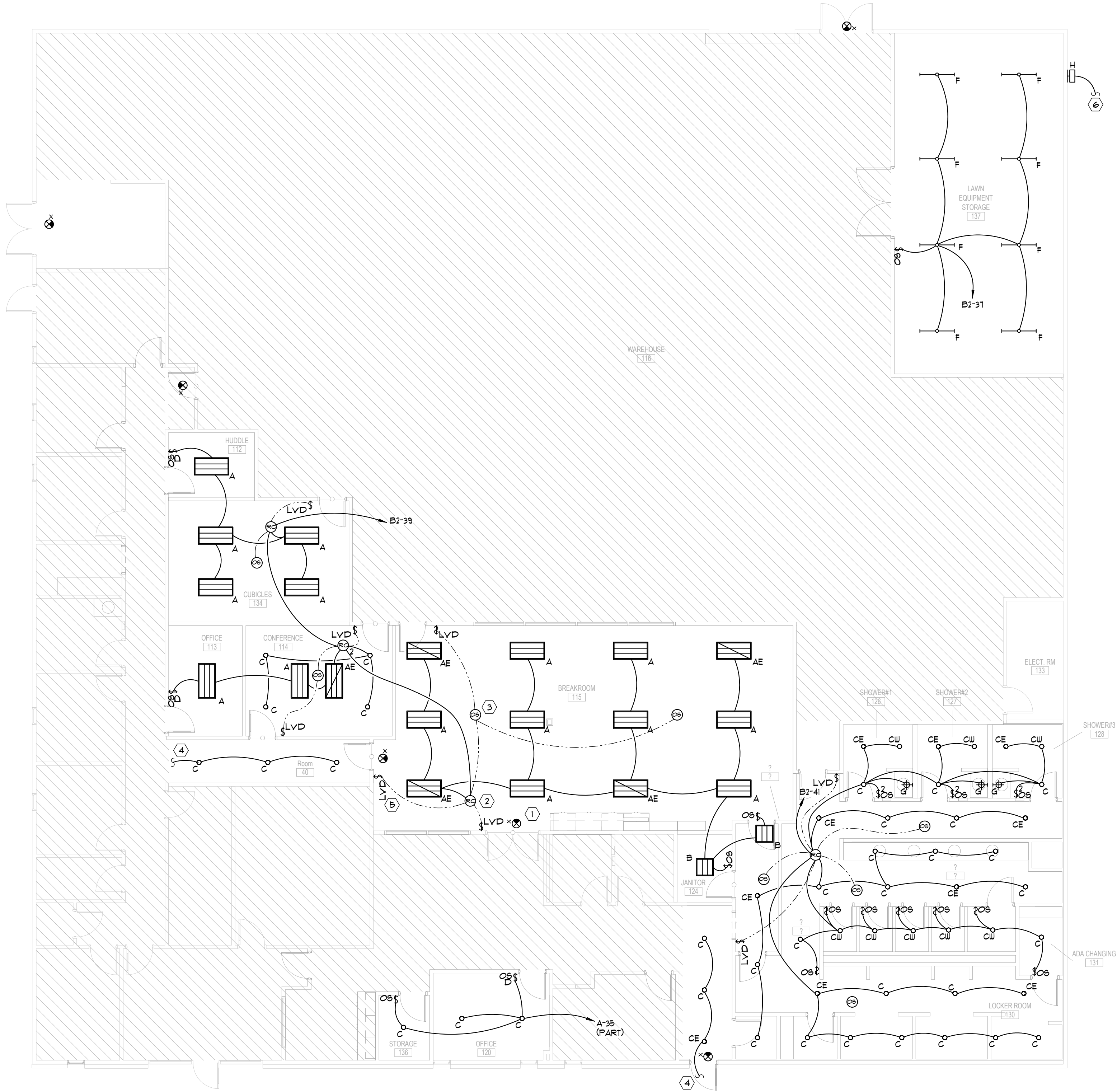
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**DEMOLITION PLAN -
ELECTRICAL**

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FLOOR PLAN - LIGHTING
1/8" = 1'-0"
NORTH
ITEMS UNDERNEATH HATCHING ARE OUT OF SCOPE

GENERAL NOTES:

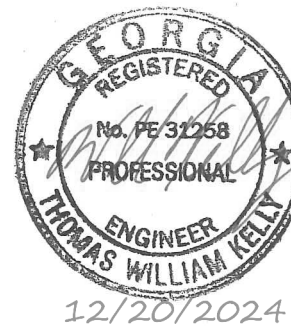
1. REFER TO ARCHITECTURAL CEILING PLAN FOR EXACT CEILING TYPE AND HEIGHT.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL TRIM AND MOUNTING HARDWARE FOR EACH LIGHTING FIXTURE TO MATCH CEILING IN WHICH IT IS INSTALLED.
3. ELECTRICAL CONTRACTOR SHALL MATCH VOLTAGE OF ALL FIXTURES TO THE CIRCUIT IN WHICH THEY ARE CIRCUITED.
4. PROVIDE AND INSTALL ALL CONTROL WIRING AND POWER PACK/ROOM CONTROLS AS REQUIRED TO OPERATE OCCUPANCY SENSORS.
5. ROUTE UN-SWITCHED 'HOT' CONDUCTORS FEEDING EMERGENCY BATTERY PACKS, EMERGENCY EGRESS FIXTURES AND EXIT SIGNS AROUND LIGHTING CONTROL RELAYS AND SWITCHES.

KEY NOTES:

1. EMERGENCY EXIT SIGN. CONNECT TO UN-SWITCHED HOT IN LIGHTING CIRCUIT SERVING THE AREA FOR CONTINUOUS OPERATION AND BATTERY CHARGING. TYPICAL FOR ALL EXIT SIGNS.
2. PROVIDE MULTI-ZONE ROOM CONTROLLER W/ TIME CLOCK FUNCTION. SEE NUMBER DENOTED NEXT TO DEVICE FOR NUMBER OF ZONES. ALL ZONES SHALL BE CAPABLE OF UP/DOWN AND ON/OFF SEPARATELY. COORDINATE TIME SETTING WITH ARCHITECT/OWNER PRIOR TO PROGRAMMING. (TYPICAL)
3. CEILING MOUNTED OCCUPANCY SENSOR SHALL BE AUTO-OFF AFTER 20 MINUTES OF NO OCCUPANCY IN SPACE/AREA. (TYPICAL)
4. CONNECT TO EXISTING CORRIDOR LIGHTING CIRCUIT AND LIGHT CONTROL MEANS.
5. LOW-VOLTAGE DIMMING SWITCH SHALL BE UP/DOWN AND ON/OFF CONTROL OF ALL ZONES SEPARATELY WITHIN THE SPACE. SEE ROOM CONTROLLER IN AREA FOR NUMBER OF ZONES (TYPICAL)
6. CONNECT EXTERIOR WALL PACK FIXTURE TO UN-SWITCHED HOT FROM LIGHTING CIRCUIT SERVING THE AREA FOR CONTINUOUS OPERATION AND BATTERY CHARGING. FIXTURE SHALL BE CONTROLLED WITH DAYLIGHT SENSOR.



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PRINT RECORD

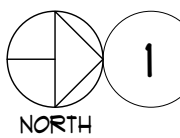
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Checked By: WK

Date: 02/21/2025
Job No.: 24010

Sheet Title:
**FLOOR PLAN -
LIGHTING**

Sheet No.:
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1 FLOOR PLAN - MECHANICAL AND FIRE ALARM

1/8" = 1'-0"

KEY NOTES:

- ① CIRCUIT NEW M.O.D. TO NEAREST CONVENIENCE RECEPTACLE CIRCUIT. (TYPICAL)

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**CHAMBLEE PUBLIC WORKS
OFFICE RENOVATION**

CITY OF CHAMBLEE

3220 CUMBERLAND DRIVE
CHAMBLEE, GEORGIA 30341

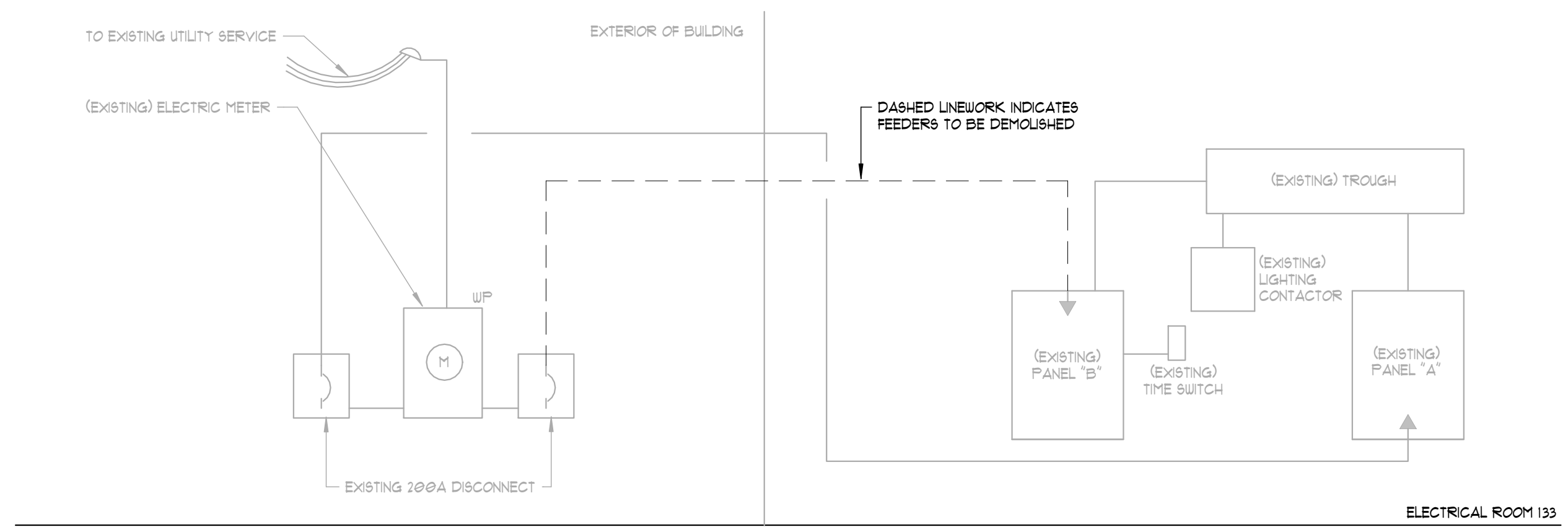
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| Date 02/21/2025 | Job No. 24010 |

Sheet Title
**FLOOR PLAN -
MECHANICAL AND
FIRE ALARM**

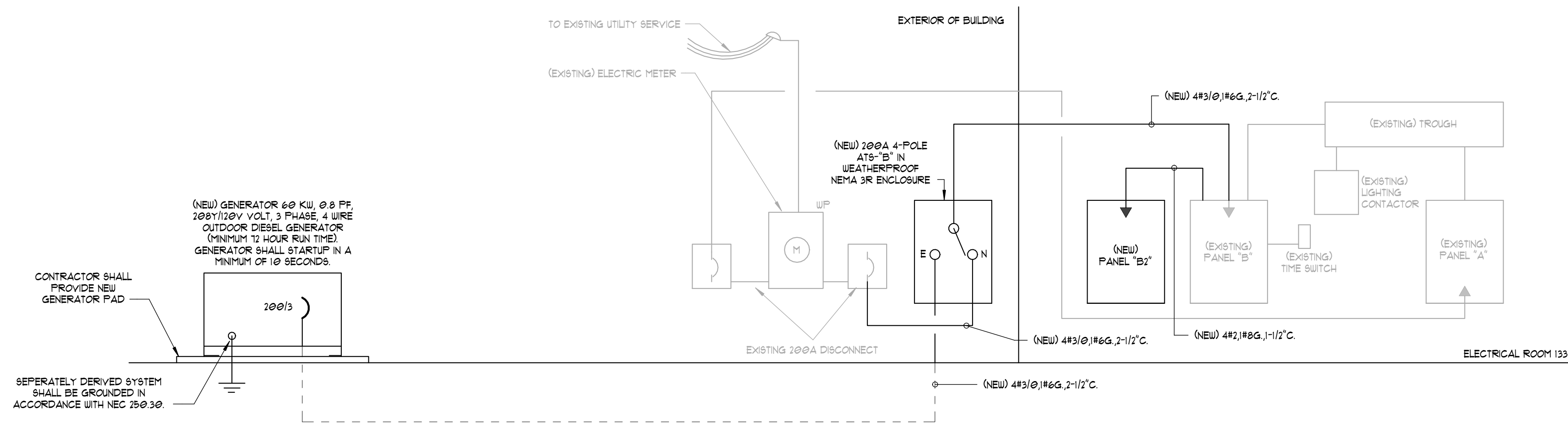
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1 (DEMOLITION) RISER DIAGRAM
NOT TO SCALE

RISER DIAGRAM GENERAL NOTES:

1. ALL HALFTONED LINEWORK INDICATED ITEMS EXISTING TO REMAIN



2 (NEW) RISER DIAGRAM
NOT TO SCALE

RISER DIAGRAM GENERAL NOTES:

1. ALL HALFTONED LINEWORK INDICATED ITEMS EXISTING TO REMAIN

SPECIAL COORDINATION:

RELOCATE ALL CIRCUITS IN PANEL "A" THAT ARE NOT HVAC OR PLUMBING EQUIPMENT TO PANEL "B2". NOTIFY ENGINEER OF ANY DISCREPANCIES.

| (NEW) PANELBOARD "B2" SCHEDULE | | | | | | | | | | | | |
|--------------------------------|--------------------|-------------|--------------|----------------|-------|---------------|------|------------|--------|------------------|--------------------|-----------------------------|
| VOLTAGE | | 208 Y / 120 | | 3 PHASE 4 WIRE | | MAIN: | | 100A MLO | | MOUNTING SURFACE | | PROVIDE WITH FEED-THRU LUGS |
| BUS SIZE | | 100 AMP | | FAULT DUTY: | | SEE RISER | | | AIC | | | |
| CKT NO | DESCRIPTION | LOAD | NOTE | BKR | PHASE | | | BKR | NOTE | LOAD | DESCRIPTION | CKT NO |
| | | | | | A | B | C | | | | | |
| 1 | LAUN EQ STOR | 0.5 | | 20/1 | 1.3 | | | 20/1 | | 0.7 | SHOWERS GF1 | 2 |
| 3 | | 2.5 | | | | | | 20/1 | | 0.5 | 129 - RR REC | 4 |
| 5 | DRYER | 2.5 | | 30/12 | | 3.0 | | 20/1 | | 0.7 | 130 - LCKR RM REC | 6 |
| 7 | JAN & CONV REC | 0.5 | | 20/1 | 1.4 | | | 20/1 | | 0.9 | 121 - OFFICE REC | 8 |
| 9 | DRINKING FTN | 0.5 | GF | 20/1 | | 1.4 | | 20/1 | | 0.9 | 120 - OFF REC | 10 |
| 11 | COPY & STOR REC | 0.7 | | 20/1 | | | 1.9 | 20/1 | | 1.2 | COPPER | 12 |
| 13 | CORR REC | 0.4 | | 20/1 | 1.4 | | | 20/1 | | 1.1 | 113 - OFF REC | 14 |
| 15 | 101 - RR REC | 0.2 | | 20/1 | | | 0.7 | 20/1 | | 0.5 | 109 - OFF REC | 16 |
| 17 | 110 - OFF REC | 0.9 | | 20/1 | | | 1.8 | 20/1 | | 0.9 | 111 - OFF REC | 18 |
| 19 | 112 - HDL REC | 0.7 | | 20/1 | 1.1 | | | 20/1 | | 0.4 | 134 - CUBICLES | 20 |
| 21 | D&K FRN FEED | 0.5 | | 20/1 | | 1.0 | | 20/1 | | 0.5 | DSK FRN FEED | 22 |
| 23 | D&K FRN FEED | 0.5 | | 20/1 | | | 1.0 | 20/1 | | 0.5 | DSK FRN FEED | 24 |
| 25 | D&K FRN FEED | 0.5 | | 20/1 | 1.0 | | | 20/1 | | 0.5 | DSK FRN FEED | 26 |
| 27 | D&K FRN FEED | 0.5 | | 20/1 | | 1.0 | | 20/1 | | 0.5 | DSK FRN FEED | 28 |
| 29 | 114 - CONF REC | 1.1 | | 20/1 | | | 1.8 | 20/1 | | 0.7 | 115 - BRK RM REC | 30 |
| 31 | 115 - BRK RM REC | 0.9 | | 20/1 | 1.1 | | | 20/1 | GF | 0.2 | 115 - BRK RM DED | 32 |
| 33 | REFRIGERATOR | 1.0 | GF | 20/1 | | 2.0 | | 20/1 | GF | 1.0 | REFRIGERATOR | 34 |
| 35 | 115 - BRK RM MICRO | 2.0 | GF | 20/1 | | | 3.5 | 20/1 | GF | 1.5 | 115 - BRK RM DISPO | 36 |
| 37 | LUN EQ STOR LTG | 0.2 | | 20/1 | | 0.6 | | 20/1 | | 0.4 | 115 - BRK RM REC | 38 |
| 39 | BRK RM LTG | 0.9 | | 20/1 | | | 2.4 | 20/1 | GF | 1.5 | 115 - BRK RM MICRO | 40 |
| 41 | RR & LCKR LTG | 1.4 | | 20/1 | | | 1.4 | | | 0.0 | SPACE | 42 |
| 43 | JACKET HEATER | 0.5 | | 20/1 | | 0.5 | | | | 0.0 | SPACE | 44 |
| 45 | GENERATOR BATTERY | 0.5 | | 20/1 | | | 0.5 | | | 0.0 | SPACE | 46 |
| 47 | GEN REC/LTG | 0.0 | | 20/1 | | | 0.0 | | | 0.0 | SPACE | 48 |
| 49 | SPACE | 0.0 | | 20/1 | | 0.0 | | | | 0.0 | SPACE | 50 |
| 51 | SPACE | 0.0 | | 20/1 | | | 0.0 | | | 0.0 | SPACE | 52 |
| 53 | SPACE | 0.0 | | 20/1 | | | 0.0 | | | 0.0 | SPACE | 54 |
| | | | | | 8.4 | | | 12.1 | 14.7 | | | |
| LIGHTING: | | 2.5 | X 125% = | | 3.1 | TOTAL BUS KVA | | | NOTES: | | | |
| RECEPT: | | 21.1 | X NEC 220.44 | | 18.6 | A | B | C | 1 | | | |
| MOTORS: | | 0.0 | X 100% | | 0.0 | 8.4 | 12.1 | 14.7 | | | | |
| A/C: | | 0.0 | X 100% | | 0.0 | GF | | GFCI | | | | |
| HEATING: | | 0.0 | X 100% | | 0.0 | | | | | | | |
| KITCHEN: | | 0.0 | X NEC 220.56 | | 0.0 | | | | | | | |
| CONTINUOUS | | 5.5 | X 100% | | 5.5 | ST | | SHUNT TRIP | | | | |
| TOTAL KVA | | 35.2 | CALC KVA | | 27.2 | AF | | ARC FLASH | | | | |
| TOTAL AMPS | | 97.1 | CALC AMPS | | 75.6 | | | | | | | |

| (EXISTING) PANELBOARD "B" SCHEDULE | | | | | | | | | | | | | |
|------------------------------------|------------------|-------------|--------------|----------------|-------|----------------|------|----------|---|-----------|-----------------|--------|--|
| VOLTAGE: | | 208 Y / 120 | | 3 PHASE 4 WIRE | | MAIN: | | 200A MLO | | MOUNTING: | | | |
| BUS SIZE: | | 225 | AMP'S | FAULT DUTY: | | SEE RISER | | A/C | | SURFACE | | | |
| CKT NO | DESCRIPTION | LOAD | NOTE | BKR | PHASE | | | BKR | NOTE | LOAD | DESCRIPTION | CKT NO | |
| | | | | | A | B | C | | | | | | |
| 1 | LOBBY TV | 0.4 | 1 | 20/1 | 1.4 | | | 20/1 | 1 | 1.0 | CAGE LTG | 2 | |
| 3 | AV QUAD 1 | 0.4 | 1 | 20/1 | | 1.4 | | 20/1 | 1 | 1.0 | OUT LTG | 4 | |
| 5 | FRIDGE | 1.0 | 1 | 30/2 | | | 2.0 | 20/1 | 1 | 1.0 | CAGE LTG | 6 | |
| 7 | RECPT DESK QUAD | 0.4 | 1 | | 1.4 | | | 20/1 | 1 | 1.0 | CAGE LTG | 8 | |
| 9 | AV QUAD 2 | 0.4 | 1 | 20/1 | | 1.4 | | 20/1 | 1 | 1.0 | CAGE LTG | 10 | |
| 11 | OFFICE 1 BKR REC | 0.7 | 1 | 20/1 | | | 1.7 | 20/1 | 1 | 1.0 | CAGE LTG | 12 | |
| 13 | BRK RM REC | 0.5 | 1 | 20/1 | 1.5 | | | 20/1 | 1 | 1.0 | CAGE LTG | 14 | |
| 15 | OFFICE 1 BKR REC | 0.7 | 1 | 20/1 | | 1.7 | | 20/1 | 1 | 1.0 | CAGE LTG | 16 | |
| 17 | CONF RM TV | 0.4 | 1 | 20/1 | | | 1.4 | 20/1 | 1 | 1.0 | CAGE LTG | 18 | |
| 19 | SFARE | 0.0 | 1 | 20/1 | 1.0 | | | 20/1 | 1 | 1.0 | CAGE LTG | 20 | |
| 21 | SFARE | 0.0 | 1 | 20/1 | | 1.0 | | 20/1 | 1 | 1.0 | CAGE LTG | 22 | |
| 23 | SFARE | 0.0 | 1 | 20/1 | | | 0.7 | 20/1 | 1 | 0.7 | OFFICE | 24 | |
| 25 | OFFICE | 0.7 | 1 | 20/1 | 1.4 | | | 20/1 | 1 | 0.7 | OFFICE | 26 | |
| 27 | RECEPTION LTG | 0.4 | 1 | 20/1 | | 1.1 | | 20/1 | 1 | 0.7 | OFFICE | 28 | |
| 29 | ICE MACH | 0.6 | 1 | 20/1 | | | 1.6 | 20/1 | 1 | 1.0 | PITCH MACHINE 1 | 30 | |
| 31 | EM LTG | 1.0 | 1 | 20/1 | 2.0 | | | 20/1 | 1 | 1.0 | PITCH MACHINE 2 | 32 | |
| 33 | LOBBY REC | 0.5 | 1 | 20/1 | | 0.3 | | 20/1 | 1 | 0.4 | ATTN REC | 34 | |
| 35 | THERAPY RM | 0.4 | 1 | 20/1 | | | 0.4 | 20/1 | 1 | 0.0 | SFARE | 36 | |
| 37 | WEIGHT RM | 0.4 | 1 | 20/1 | 0.7 | | | | | 0.4 | | 38 | |
| 39 | SFARE | 0.0 | 1 | | | 12.1 | | 100/3 | 2 | 12.1 | PANEL "B2" | 40 | |
| 41 | SFARE | 0.0 | 1 | | | | 14.7 | | | 14.7 | | 42 | |
| | | | | | 17.4 | 19.6 | 22.4 | | | | | | |
| LIGHTING: | | 13.5 | X 125% = | | 16.9 | TOTAL BUS KVA | | | NOTES: | | | | |
| RECEPT: | | 40.4 | X NEC 220.44 | | 25.2 | A B C | | | 1. EXISTING CIRCUIT TO REMAIN | | | | |
| MOTORS: | | 0.0 | X 100% | | 0.0 | 17.4 19.6 22.4 | | | 2. PROVIDE NEW BREAKER SIZED AS INDICATED. MATCH EXISTING IN ALL ASPECTS. | | | | |
| A/C: | | 0.0 | X 100% | | 0.0 | GF | | | GFCI | | | | |
| HEATING: | | 0.0 | X 100% | | 0.0 | | | | | | | | |
| KITCHEN: | | 0.0 | X NEC 220.56 | | 0.0 | | | | | | | | |
| CONTINUOUS | | 5.5 | X 100% | | 5.5 | ST | | | SHUNT TRIP | | | | |
| TOTAL KVA | | 59.4 | CALC KVA | | 47.6 | AF | | | ARC FLASH | | | | |
| TOTAL AMP'S | | 165.2 | CALC AMP'S | | 132.3 | | | | | | | | |

| (EXISTING) PANELBOARD "A" SCHEDULE | | | | | | | | | | | | | | |
|------------------------------------|------------------|-------------|--------------|----------------|-------|----------------|------------|------|--|----------|------------------|--------|--|--|
| VOLTAGE: | | 208 Y / 120 | | 3 PHASE 4 WIRE | | MAIN: 200A MLO | | | MOUNTING: | | | | | |
| BUS SIZE: | | 225 AMP | | FAULT DUTY: | | SEE RISER | | | A/C | | SURFACE | | | |
| CKT NO | DESCRIPTION | LOAD | NOTE | BKR | PHASE | | | BKR | NOTE | LOAD | DESCRIPTION | CKT NO | | |
| | | | | | A | B | C | | | | | | | |
| 1 | EXISTING | 2.0 | 2 | 60/2 | 3.0 | | | 20/1 | 2 | 1.0 | SECURITY SYSTEM | 2 | | |
| 3 | | 2.0 | | | | | 3.0 | 20/1 | 2 | 1.0 | EXISTING | 4 | | |
| 5 | EXISTING | 1.0 | 2 | 20/1 | | | 3.0 | 60/2 | 2 | 2.0 | EXISTING | 6 | | |
| 7 | SPACE | 0.0 | | | 2.0 | | | | | 2.0 | | 8 | | |
| 9 | EXISTING | 2.0 | 2 | 60/2 | | 4.0 | | 60/2 | 2 | 2.0 | OFFICE FURNACE 2 | 10 | | |
| 11 | | 2.0 | | | | 4.0 | 2.0 | | | 12 | | | | |
| 13 | OFFICE FURNACE 1 | 2.0 | 2 | 60/2 | 3.1 | | | 30/3 | 2 | 1.1 | OFFICE A/C 1 | 14 | | |
| 15 | | 2.0 | | | | 3.1 | 1.1 | | | 16 | | | | |
| 17 | OFFICE A/C 2 | 1.1 | 2 | 30/3 | | 2.2 | | 30/2 | 2 | 1.1 | WATER HEATER | 18 | | |
| 19 | | 1.1 | | | 2.0 | | 1.7 | | | 20 | | | | |
| 21 | | 1.1 | | | 2.0 | | 1.1 | | | 22 | | | | |
| 23 | SPACE | 0.0 | 2 | | | | 0.0 | 2 | 0.0 | SPACE | 24 | | | |
| 25 | | 1.1 | | | | 2.2 | | | 1.1 | 26 | | | | |
| 27 | EXISTING | 1.1 | 2 | 30/3 | | 2.2 | 30/3 | 2 | 1.1 | EXISTING | 28 | | | |
| 29 | | 1.1 | | | | 2.2 | | | 1.1 | 30 | | | | |
| 31 | SPACE | 0.0 | 2 | 20/1 | 0.0 | | | 2 | 0.0 | SPACE | 32 | | | |
| 33 | SPACE | 0.0 | 2 | 20/1 | | 5.4 | 60/2 | 3 | 5.4 | AHU-5 | 34 | | | |
| 35 | SPACE | 0.0 | 2 | 20/1 | | 3.0 | | | 3.0 | 36 | | | | |
| 37 | SPACE | 0.0 | 2 | 20/1 | 4.1 | | 80/3 | 3 | 4.1 | WH-1 | 38 | | | |
| 39 | HP-5 | 2.1 | 3 | 50/2 | | 6.0 | | | 4.1 | | 40 | | | |
| 41 | | 2.7 | | | | 6.0 | | | 4.1 | | 42 | | | |
| | | | | | 17.2 | 27.3 | 22.0 | | | | | | | |
| LIGHTING: | | 0.0 | X 125% = | | 0.0 | TOTAL BUS KVA | | | NOTES: | | | | | |
| RECEPT: | | 0.0 | X NEC 220.44 | | 0.0 | A | B | C | 1 PROVIDE NEW CIRCUIT ON EXISTING BREAKER | | | | | |
| MOTORS: | | 1.7 | X 100% | | 1.7 | 17.2 | 27.3 | 22.0 | 2 EXISTING CIRCUIT TO REMAIN | | | | | |
| A/C: | | 6.6 | X 100% | | 6.6 | GF | GFCI | | 3 PROVIDE NEW BREAKER SIZED AS INDICATED. MATCH EXISTING IN ALL ASPECTS. | | | | | |
| HEATING: | | 36.6 | X 100% | | 36.6 | ST | SHUNT TRIP | | | | | | | |
| KITCHEN: | | 0.0 | X NEC 220.56 | | 0.0 | | | | | | | | | |
| CONTINUOUS | | 21.6 | X 100% | | 21.6 | | | | | | | | | |
| TOTAL KVA | | 66.5 | CALC KVA | | 66.5 | AF | ARC FLASH | | | | | | | |
| TOTAL AMPS | | 104.1 | CALC AMPS | | 104.1 | | | | | | | | | |



PRINT RECORD

| No. | DATE | DESCRIPTION |
|-----|------------|-------------------|
| | 12-20-24 | ISSUED FOR PERMIT |
| | 02-04-25 | ISSUED FOR BID |
| | 02/21/2025 | ADDENDA A |
| | | |
| | | |
| | | |
| | | |
| | | |

Drawn By CTD **Checked By** WK

| | |
|------------|---------|
| Date | Job No. |
| 02/21/2025 | 24010 |

Sheet Title

PANEL SCHEDULES AND RISER DIAGRAM

Sheet No.

E-2.01