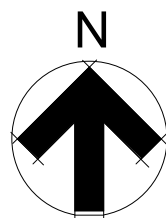
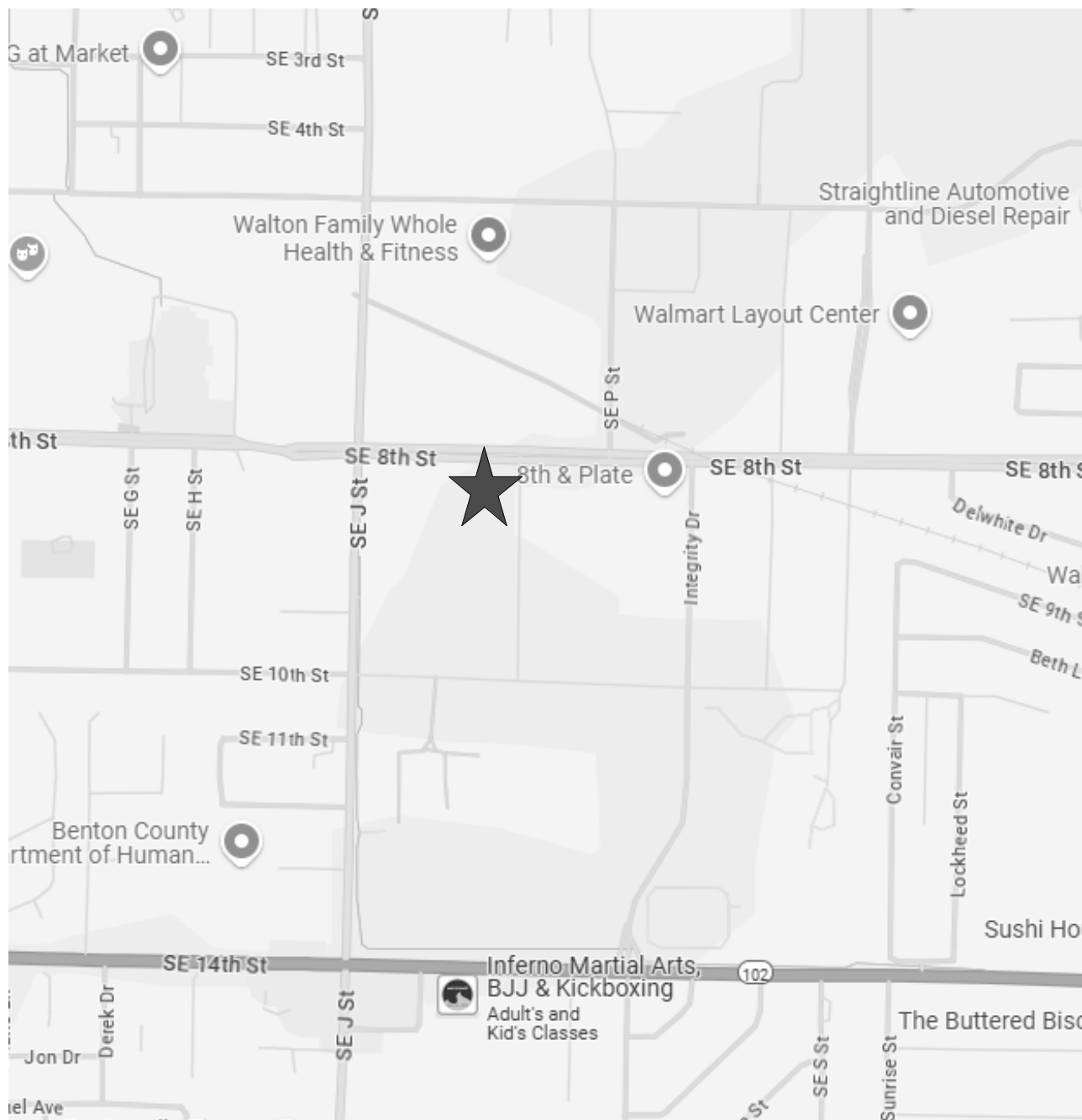


# WRIGHT'S BBQ WALMART CAMPUS INFILL

1410 SE 8TH STREET STE#14  
BENTONVILLE, AR 72712

## PROJECT LOCATION



## SCOPE OF WORK

- NEW ONE STORY TENANT INFILL RESTAURANT WITH KITCHEN AND OPEN SEATING.
- EXTERIOR SIGNAGE: (SHALL BE SUBMITTED SEPARATELY FOR PERMIT BY SIGN VENDOR)
- SEE DRAWINGS FOR FULL SCOPE OF WORK FOR ENTIRE PROJECT. THIS SUMMARY DOES NOT CHANGE OR SUPERSEDE WHAT IS SHOWN IN THE DRAWINGS.
- ALL ITEMS ARE CONTRACTOR PROVIDED AND INSTALLED, NO OWNER PROVIDED ITEMS UNLESS NOTED OTHERWISE
- CONTACT THE CONSTRUCTION PROJECT MANAGER FOR ALL RFIs, QUESTIONS REGARDING BIDDING, OR FOR A LIST OF GENERAL CONTRACTORS.

I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY ME, OR UNDER MY SUPERVISION. I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS AND SPECIFICATIONS ARE AS REQUIRED BY LAW AND IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION CODE FOR THE STATE OF ARKANSAS.

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TEL: 479.579.9959

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Contractor is responsible for confirming and correlating dimensions at job site; the Architect will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the project.

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WRIGHT'S BBQ WALMART  
CAMPUS INFILL

1410 SE 8TH STREET STE#14

BENTONVILLE, AR 72712



04/11/2025

Architect Name - RYAN M. FAUST

Architect Number - 4711

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### REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|-----|------|-------------|

|                          |                     |
|--------------------------|---------------------|
| Drawing Size:<br>24 x 36 | Project #:<br>24136 |
|--------------------------|---------------------|

|                  |                   |
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| Drawn By:<br>MEW | Checked By:<br>KB |
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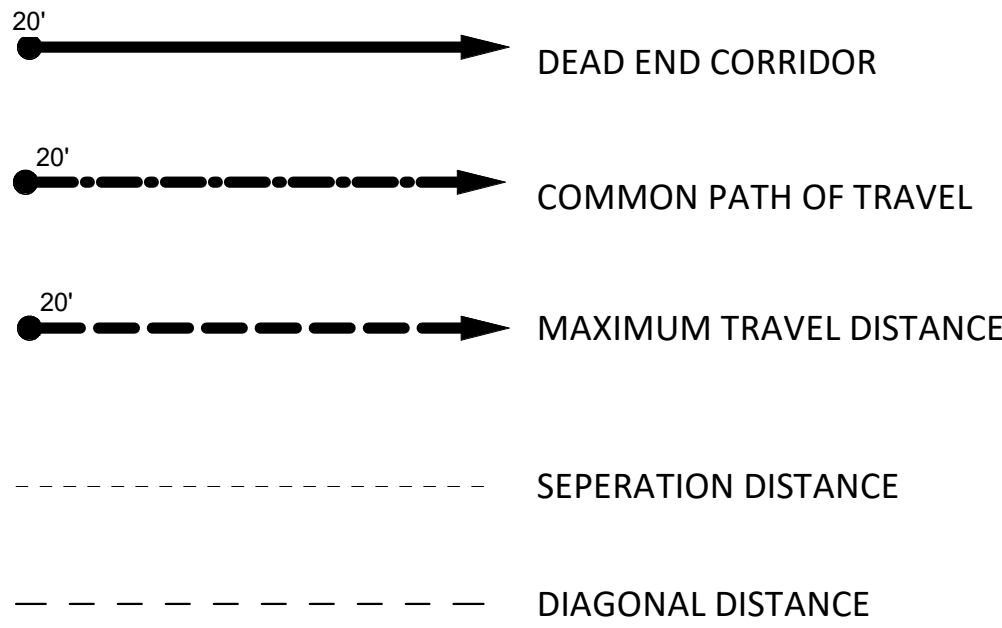
Title:

COVER SHEET

Sheet Number:

CS0.00

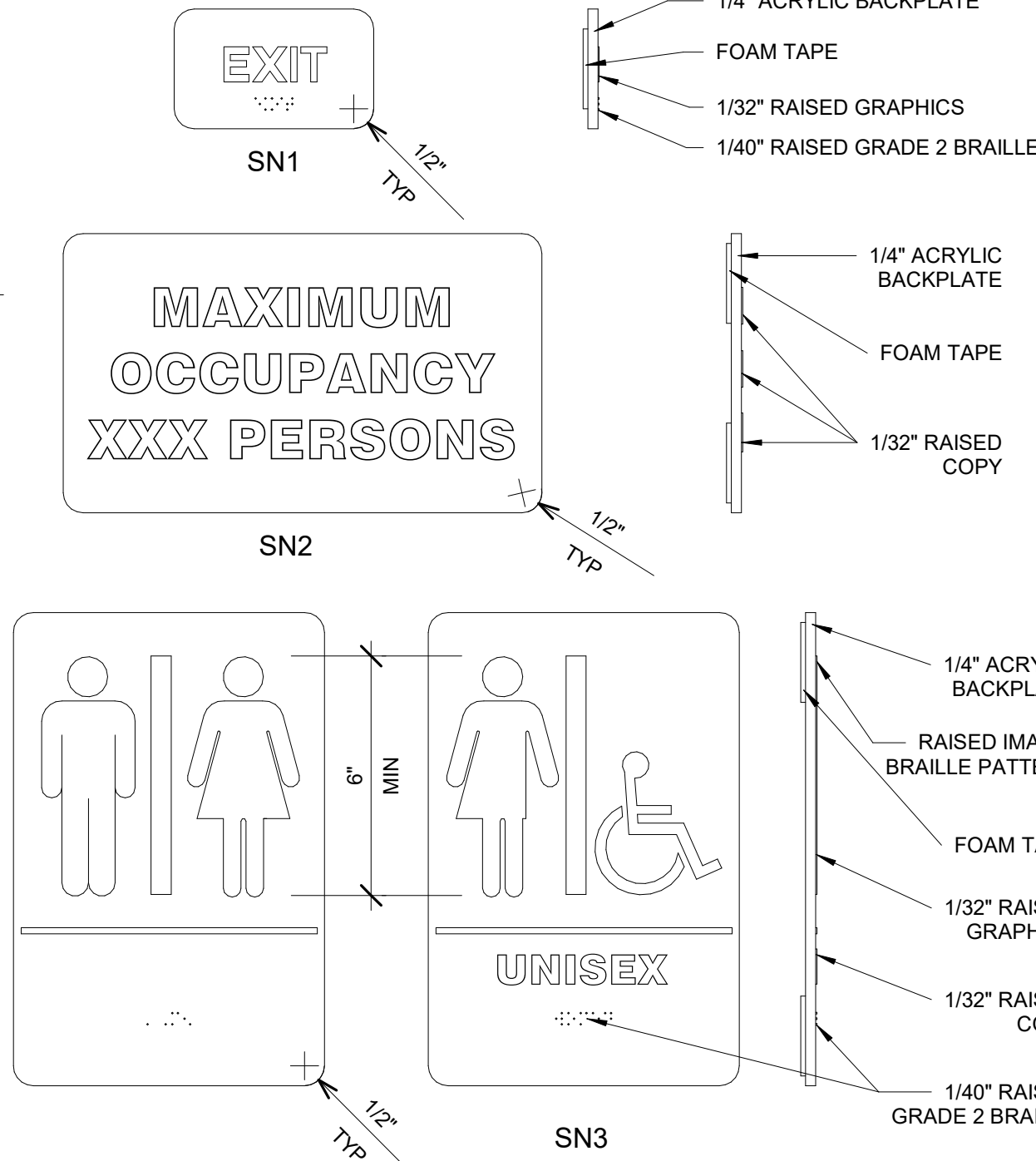
ISSUE DATE: 04/11/2025



| OCCUPANCY LOAD |                      |           |              |         |
|----------------|----------------------|-----------|--------------|---------|
| ROOM NO.       | USE                  | SIZE SQFT | SQFT/ PERSON | PERSONS |
| 100            | DINING               | 2427 SF   | 15 SF        | 162     |
| 101            | SERVICE LINE         | 241 SF    | 200 SF       | 2       |
| 102            | DRY STORAGE          | 71 SF     | 300 SF       | 1       |
| 103            | OFFICE/IT            | 57 SF     | 150 SF       | 1       |
| 105            | KITCHEN              | 847 SF    | 200 SF       | 5       |
| 106            | TO GO PREP + PICK UP | 200 SF    | 200 SF       | 2       |
| GRAND TOTAL    |                      |           |              | 173     |

|                                       |   |
|---------------------------------------|---|
| REQUIRED                              | PROVIDED  |
| W.C. - 1 PER 75 MALE/ 1 PER 75 FEMALE | W.C. - 3  |
| LAVATORY - 1/200                      | LAVATORY - 3  |
| DF - 1/500                            | FREE DRINKING CUPS PROVIDED FOR PATRONS AND EMPLOYEES |
| SERVICE SINK - 1                      | SERVICE SINK - 1                                      |

1. LETTERS AND NUMERALS SHALL BE RAISED 1/32" UPPER CASE, SANS SERIF OR SIMILAR SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2". PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAMS. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM IN HEIGHT.
2. THE CHARACTERS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL BE WHITE AND BACKGROUNDS SHALL BE BLACK.
3. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR, WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE A MIN 48" AFF MEASURED TO THE BASELINE OF THE LOWEST RAISED CHARACTER AND A MAX 60" A.F.F. TO THE BASELINE OF THE HIGHEST RAISED CHARACTER. SIGNAGE SHALL BE MOUNTED 18" FROM CENTER LINE FROM ARC OF DOOR OR MAY BE PLACED ON THE LATCH SIDE OF DOORS EQUIPPED WITH CLOSERS. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

2  
LS0.0

NOTE: SIGNAGE DETAILS ILLUSTRATE CODE REQUIREMENTS. IF TENANT OPTS TO PROVIDE ALTERNATE SIGNAGE DESIGN MUST MEETS ALL CODE AND JURISDICTIONAL REQUIREMENTS.

MUNICIPALITY: BENTONVILLE, AR  
BUILDING: 2021 ARKANSAS FIRE PREVENTION VOL. II  
ENERGY: 2014 ARKANSAS ENERGY CODE  
FIRE PREVENTION: 2021 ARKANSAS FIRE PREVENTION VOL. I  
PLUMBING: 2018 ARKANSAS PLUMBING CODE  
MECHANICAL: 2021 ARKANSAS MECHANICAL CODE  
ELECTRICAL: 2020 ARKANSAS NATIONAL ELECTRICAL CODE  
ACCESSIBILITY: ICC/ANSI A117.1-2009

|                    |                |          |
|--------------------|----------------|----------|
| CONSTRUCTION TYPE: | II-B           |          |
| USE GROUP (S):     | ASSEMBLY (A-2) | 4,568 SF |
| <hr/>              |                |          |
| TOTAL:             |                | 4,568 SF |

|                            |           |
|----------------------------|-----------|
| AREA INFORMATION:          |           |
| IBC: BASIC ALLOWABLE AREA: | 12,500 SF |
| W/ AUTOMATIC SPRINKLERS:   | 50,000 SF |
| ACTUAL BUILDING AREA:      | 4,568 SF  |

HEIGHT INFORMATION:

|                               |           |
|-------------------------------|-----------|
| IBC : BASIC ALLOWABLE HEIGHT: | 75 FT     |
| ACTUAL HEIGHT                 | 20'-0" FT |

|  |   |          |   |
|--|---|----------|---|
| STRUCTURAL FRAME:  |   |          |   |
| BEARING WALLS:   |   |          |   |
| EXTERIOR   | 0 | INTERIOR | 0 |
| NON-BEARING WALLS:   |   |          |   |
| EXTERIOR   | 0 | INTERIOR | 0 |
| EXIT ACCESS CORRIDOR:  |   |          | 0 |
| STRUCTURAL COLUMNS:  |   |          | 0 |
| STRUCTURAL BEAMS:  |   |          | 0 |
| SHAFT ENCLOSURE:   |   |          | 0 |
| FLOOR CONSTRUCTION AND<br>SECONDARY MEMBERS:   |   |          | 0 |
| ROOF CONSTRUCTION AND<br>SECONDARY MEMBERS:  |   |          | 0 |
| FIRE WALL RATING   |   |          | 0 |
| FIRE BARRIER RATING  |   |          | 0 |
| FIRE SEPARATION RATING:<br>(between tenant space)                                      |   |          | 0 |
| FIRE SEPARATION RATING:<br>(corridor walls)  |   |          | 0 |
| MAINTAIN EXISTING FIRE RATINGS ON EXISTING<br>WALLS/FLOORS THAT SEPARATE OTHER TENANTS |   |          |   |
| <b>INTERIOR FINISH:</b>  |   |          |   |
| CLASS A: FLAME SPREAD 0-25; SMOKE DEVELOPED 0-450                                      |   |          |   |
| FLOOR FINISH; CLASS I OR CLASS II IN CORRIDORS AND EXITS                               |   |          |   |
| FULLY SPRINKLERED, W/ SUPERVISED A/V ALARM AND<br>PULL STATIONS                        |   |          |   |

|                              |          |
|------------------------------|----------|
| OCCUPANT LOAD:               | 174      |
| NUMBER OF EXITS:             |          |
| REQUIRED:                    | 2        |
| PROVIDED:                    | 4        |
| SPRINKLERS PROVIDED:         | YES      |
| NON-SEPARATED MIXED-USE:     | N/A      |
| ALLOWABLE TRAVEL DISTANCE:   | 75 FT    |
| (w/ sprinkler system)        |          |
| EXIT ACCESS TRAVEL DISTANCE: | 250 FT   |
| COMMON PATH OF TRAVEL:       | 75 FT    |
| DEAD ENDS:                   | 20       |
| EGRESS WIDTH OF CORRIDORS:   | 44 IN    |
| EGRESS WIDTH OF EXITS:       | SEE PLAN |

EXIT SIGNS:  
EXIT MARKING IS PROVIDED AS FOLLOWS:  
EXIT SIGNS ARE PROVIDED IN AREA ACCESSIBLE TO THE  
PUBLIC IN ACCORDANCE WITH NFPA 101, AND SHALL BE OF  
THE L.E.D. TYPE. INCANDESCENT SIGNS ARE NOT PERMITTED

OCCUPANT LOAD (SECTION 1004.1.1)  
FLOOR AREA / (SQ. FT. / PERSON) = OCC. LOAD  
ACCESSIBLE MEANS OF EGRESS (SECTION 1007)

\* REFER TO LIFE SAFETY PLAN

WRIGHT'S BBQ WALMART  
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| <i>Drawing Size:</i><br>24 x 36 | <i>Project #:</i><br>24136 |
| <i>Drawn By:</i><br>MEW         | <i>Checked By:</i><br>KB   |
| <i>Title:</i>                   |                            |

**Title:**

CODE SUMMARY, LIFE  
SAFETY

Sheet Number:

LS0.00

ISSUE DATE: 04/11/2025

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NOT ALL ABBREVIATIONS MAY BE USED IN THIS DOCUMENT

|           |              |   |
|-----------|--------------|---|
| <b>A</b>  | A.C.T.       | ACOUSTIC CEILING TILE                     |
|           | A.D.         | AREA DRAIN                                |
|           | A.F.F.       | ABOVE FINISH FLOOR                        |
|           | AC.DR.       | ACCESS DOOR                               |
|           | AC.PL.       | ACCESS PANEL                              |
|           | ACCESS.      | ACCESSIBLE                                |
|           | ADJ.         | ADJUSTABLE                                |
|           | AGG.         | AGGREGATE                                 |
|           | ALT.         | ALTERNATE or ALTERNATIVE                  |
|           | ALUM.        | ALUMINUM                                  |
| <b>B</b>  | ANOD.        | ANODIZED                                  |
|           | APPROX.      | APPROXIMATE(LY)                           |
|           | ARCH.        | ARCHITECTURAL/ARCHITECT                   |
|           | ASPH.        | ASPHALT                                   |
|           | ATTN.        | ATTENTION                                 |
|           | B.F.F.       | BELOW FINISH FLOOR                        |
|           | B.O.C.       | BOTTOM OF                                 |
|           | B.O.F.       | BOTTOM OF CURB                            |
|           | B.U.R.       | BUILT UP ROOFING                          |
|           | BD.          | BOARD                                     |
| <b>C</b>  | BL.          | BUILDING LINE                             |
|           | BLDG.        | BUILDING                                  |
|           | BLK.         | BLOCK                                     |
|           | BLKG.        | BLOCKING                                  |
|           | BM.          | BEAM                                      |
|           | BO.TT.       | BOTTOM                                    |
|           | BR.          | BRICK                                     |
|           | BRG.         | BEARING                                   |
|           | C.B.         | CATCH BASIN(S)                            |
|           | C.F.         | CUBIC FEET                                |
| <b>D</b>  | C.J.         | CONTROL JOINT                             |
|           | C.M.P.       | CORRUGATED METAL PIPE                     |
|           | C.M.U.       | CONCRETE MASONRY UNIT                     |
|           | C.O.         | CLEAN OUT                                 |
|           | C.T.         | CERAMIC TILE                              |
|           | C.T.B.       | CERAMIC TILE BASE                         |
|           | C.Y.         | CUBIC YARD                                |
|           | CAB(S)       | CABINET(S)                                |
|           | CFCI         | CONTRACTOR FURNISHED CONTRACTOR INSTALLED |
|           | CEM.         | CEMENT                                    |
| <b>E</b>  | CL.          | CENTERLINE                                |
|           | CLG.         | CLOSET                                    |
|           | CLO.         | CLOSET                                    |
|           | CLR.         | CLEAR                                     |
|           | COL.         | COLUMN                                    |
|           | CONC.        | CONCRETE                                  |
|           | CONF.        | CONFERENCE                                |
|           | CONN.        | CONNECTION                                |
|           | CONST.       | CONSTRUCTION                              |
|           | CONT.        | CONTINUOUS (CONTINUED)                    |
| <b>F</b>  | CONTR.       | CONTRACTOR                                |
|           | CPT.         | CARPET                                    |
|           | CPT.T.       | CARPET TILE                               |
|           | CSK.         | COUNTERSINK (SUNK)                        |
|           | D.           | DEEP OR DEPTH                             |
|           | D.S.         | DOWNSPOUT                                 |
|           | D.T.         | DRAIN TILE                                |
|           | DBL.         | DOUBLE                                    |
|           | DEG.         | DEGREE                                    |
|           | DET.         | DETAIL                                    |
| <b>G</b>  | DIA.         | DIAMETER                                  |
|           | DJAG.        | DIAGONAL                                  |
|           | DIFF.        | DIFFUSER                                  |
|           | DIM.         | DIMENSION                                 |
|           | DISP.        | DISPENSER                                 |
|           | DN.          | DOWN                                      |
|           | DR.          | DOOR                                      |
|           | DWG(S)       | DRAWING (S)                               |
|           | DWL(S)       | DOWEL (S)                                 |
|           | DWR.         | DRAWER                                    |
| <b>H</b>  | E.F.         | EACH FACE                                 |
|           | E.I.F.S.     | EXTERIOR INSULATION FINISH SYSTEM         |
|           | E.J.         | EXPANSION JOINT                           |
|           | E.M.         | ENTRY MAT                                 |
|           | E.P.         | ELECTRICAL PANEL                          |
|           | E.W.         | EACH WAY                                  |
|           | E.W.C.       | ELECTRIC WATER COOLER                     |
|           | EA.          | EACH                                      |
|           | EL.          | ELEVATION                                 |
|           | ELEC.        | ELECTRIC (AL)                             |
| <b>I</b>  | ELEV.        | ELEVATOR                                  |
|           | ENCL.        | ENCLOSURE                                 |
|           | ENGR.        | ENGINEER                                  |
|           | EQ.          | EQUAL                                     |
|           | EQUIP.       | EQUIPMENT                                 |
|           | EXH.         | EXHAUST                                   |
|           | EXIST.       | EXISTING                                  |
|           | EXP.         | EXPANSION, EXPOSED                        |
|           | EXP. AGG.    | EXPOSED AGGREGATE                         |
|           | EXP. STR.    | EXPOSED STRUCTURE                         |
| <b>J</b>  | EXT.         | EXTERIOR                                  |
|           | JAN. CLO.    | JANITOR CLOSET                            |
|           | JST.         | JOIST                                     |
|           | JT.          | JOINT                                     |
|           | KIT          | KITCHEN                                   |
|           | L.F.         | LINEAR FEET                               |
|           | L.L.H.       | LONG LEG HORIZONTAL                       |
|           | L.L.V.       | LONG LEG VERTICAL                         |
|           | L.P.         | LOW POINT                                 |
|           | LAM.         | LAMINATE (ED)                             |
| <b>K</b>  | LAV.         | LAVATORY                                  |
|           | LBR.         | LUMBER                                    |
|           | LIN. PNL.    | LINER PANEL                               |
|           | LKR.         | LOCKER                                    |
|           | LOC.         | LOCATION                                  |
|           | LT.          | LIGHT                                     |
|           | M.B.         | MOP BASIN                                 |
|           | M.B.S.       | METAL BUILDING SUPPLIER                   |
|           | M.D.F.       | MEDIUM DENSITY FIBERBOARD                 |
|           | M.O.         | MASONRY OPENING                           |
| <b>L</b>  | M.P.         | MOVABLE PARTITION                         |
|           | M.R.C.T.     | MOISTURE RESISTANT CEILING TILE           |
|           | MACH.        | MACHINE                                   |
|           | MAS.         | MASONRY                                   |
|           | MATL.        | MATERIAL                                  |
|           | MAX.         | MAXIMUM                                   |
|           | MECH.        | MECHANICAL                                |
|           | MEMB.        | MEMBRANE                                  |
|           | MEZZ.        | MEZZANINE                                 |
|           | MFG.         | MANUFACTURING                             |
| <b>M</b>  | MFR.         | MANUFACTURE (ER) (ED)                     |
|           | MH.          | MANHOLE                                   |
|           | MIN.         | MINIMUM                                   |
|           | MISC.        | MISCELLANEOUS                             |
|           | MTD.         | MOUNTED                                   |
|           | MTL.         | METAL                                     |
|           | MTL. LAM.    | METAL LAMINATE                            |
|           | MULL.        | MULLION                                   |
|           | N.I.C.       | NOT IN CONTRACT                           |
|           | N.T.S.       | NOT TO SCALE                              |
| <b>N</b>  | NEG.         | NEGATIVE                                  |
|           | NO. or #     | NUMBER                                    |
|           | NOM.         | NOMINAL                                   |
|           | O.A.         | OVERALL                                   |
|           | O.C.         | ON CENTER                                 |
|           | O.D.         | OUTSIDE DIAMETER                          |
|           | O.H.         | OPPOSITE HAND                             |
|           | OF           | OVER                                      |
|           | OFICI        | OWNER FURNISHED CONTRACTOR                |
|           | OFOI         | OWNER FURNISHED OWNER                     |
| <b>O</b>  | INSTALLED    | INSTALLED                                 |
|           | OFF.         | OFFICE                                    |
|           | OH.          | OVERHEAD                                  |
|           | OPNG.        | OPENING                                   |
|           | OPP.         | OPPOSITE                                  |
|           | OZ.          | OUNCE                                     |
|           | P.LAM.       | PLASTIC LAMINATE (ED)                     |
|           | P.S.F.       | POUNDS PER SQUARE FOOT                    |
|           | P.S.I.       | POUNDS PER SQUARE INCH                    |
|           | P.T.D.       | PAPER TOWEL DISPENSER                     |
| <b>P</b>  | P.T.D.R.     | PAPER TOWEL DISPENSER/RECEPTACLE          |
|           | P.T.R.       | PAPER TOWEL RECEPTACLE                    |
|           | P.V.C.       | POLYVINYLCHLORIDE                         |
|           | PART.        | PARTICLE                                  |
|           | PARTN.       | PARTITION                                 |
|           | PC           | PIECE                                     |
|           | PERIM.       | PERIMETER                                 |
|           | PL           | PLATE                                     |
|           | PL           | PLATE or PROPERTY LINE                    |
|           | PLAS.        | PLASTER                                   |
| <b>Q</b>  | PLBG.        | PLUMBING                                  |
|           | PLYWD.       | PLYWOOD                                   |
|           | PNL.         | PANEL                                     |
|           | POL.         | POLISHED                                  |
|           | PORT.        | PORTABLE                                  |
|           | PAIR         | PAIR                                      |
|           | PRCST.       | PRECAST                                   |
|           | PRCST. DK.   | PRECAST CONCRETE DECK                     |
|           | PREFAB.      | PREFABRICATED                             |
|           | PREFIN.      | PREFINISHED                               |
| <b>R</b>  | PROJ.        | PROJECTION                                |
|           | PROP.        | PROPERTY                                  |
|           | PT.          | PAINT (ED)                                |
|           | Q.T.         | QUARRY TILE                               |
|           | Q.T.B.       | QUARRY TILE BASE                          |
|           | QTR.         | QUARTER                                   |
|           | R.           | RISER                                     |
|           | R.A.         | RETURN AIR                                |
|           | R.B.         | RUBBER BASE                               |
|           | R.C.P.       | REINFORCED CONCRETE PIPE                  |
| <b>S</b>  | R.D.         | ROOF DRAIN                                |
|           | R.O.         | ROUGH OPENING                             |
|           | R.R.         | RESTROOM                                  |
|           | R.T.U.       | ROOF TOP UNIT                             |
|           | RAD.         | RADIUS                                    |
|           | RB.S.T.      | RUBBER STAIR TREAD                        |
|           | RB.T.        | RUBBER TILE                               |
|           | RE           | REFER TO                                  |
|           | REF.         | REFERENCE                                 |
|           | REFR.        | REFRIGERATOR                              |
| <b>T</b>  | REINF.       | REINFORCE (ED) (ING)                      |
|           | REQ'D.       | REQUIRED                                  |
|           | REV.         | REVISION or REVISED                       |
|           | RM.          | ROOM                                      |
|           | RND.         | ROUND                                     |
|           | S. CONC.     | SEALED CONCRETE                           |
|           | SSM          | SOLID SURFACE MATERIAL                    |
|           | S.A.         | SUPPLY AIR                                |
|           | S.A.B.       | SOUND ATTENUATION BLANKETS                |
|           | S.C.         | SOLID CORE                                |
| <b>U</b>  | S.D.         | SMOKE DETECTOR                            |
|           | S.D.T.       | STATIC DISSIPATIVE TILE                   |
|           | S.F./SQ. FT. | SQUARE FEET                               |
|           | S.N.D.       | SANITARY NAPKIN DISPENSER                 |
|           | S.N.R.       | SANITARY NAPKIN RECEPTACLE                |
|           | S.P.M.R.     | SINGLE-PLY MEMBRANE ROOF(ING)             |
|           | S.R.T.       | SLIP RETARDANT TILE                       |
|           | S.S.         | SERVICE SINK                              |
|           | S.T.C.       | SOUND TRANSMISSION COEFFICIENT            |
|           | S.V.         | SHEET VINYL                               |
| <b>V</b>  | SAV          | STAIN & VARNISH                           |
|           | SAN.         | SANITARY                                  |
|           | SCHED.       | SCHEDULE                                  |
|           | SECT.        | SECTION                                   |
|           | SH.          | SHELF                                     |
|           | SHR.         | SHOWER                                    |
|           | SHT.         | SHEET                                     |
|           | SIM.         | SIMILAR TO                                |
|           | SL           | STRUCTURE LINE                            |
|           | SP.D.        | SOAP DISPENSER                            |
| <b>W</b>  | SPAN.        | SPANDREL                                  |
|           | SPEC.        | SPECIFICATION(S)                          |
|           | SQ.          | SQUARE                                    |
|           | ST. STL.     | STAINLESS STEEL                           |
|           | STD.         | STANDARD                                  |
|           | STL.         | STEEL                                     |
|           | STOR.        | STORAGE                                   |
|           | STRUCT.      | STRUCTURE or STRUCTURAL                   |
|           | SUSP.        | SUSPENDED                                 |
|           | SYM.         | SYMMETRICAL                               |
| <b>X</b>  | U.L.         | UNDERWRITERS LABORATORY                   |
|           | U.REFR.      | UNDERCOUNTER REFRIGERATOR                 |
|           | U.S.D.       | UNDERSIDE OF DECK                         |
|           | UN.O.        | UNLESS NOTED OTHERWISE                    |
|           | UNFIN.       | UNFINISHED                                |
|           | URN.         | URNAL                                     |
|           | UTIL.        | UTILITIES                                 |
|           | V.           | VINYL                                     |
|           | V.B.         | VINYL BASE                                |
|           | V.C.T.       | VINYL COMPOSITION TILE                    |
| <b>Y</b>  | V.C.T.S.R.   | VINYL COMPOSITION TILE SLIP               |
|           | RETARDANT    | RETARDANT                                 |
|           | V.S.R.       | VINYL STAIR RISERS                        |
|           | V.S.T.       | VINYL STAIR TREADS                        |
|           | V.T.         | VINYL TILE                                |
|           | V.T.S.       | VINYL TRANSITION STRIPS                   |
|           | V.W.C.       | VINYL WALL COVERING                       |
|           | VENT.        | VENTILATOR                                |
|           | VERT.        | VERTICAL                                  |
|           | VEST.        | VESTIBULE                                 |
| <b>Z</b>  | W.           | WIDE or WIDTH                             |
|           | W.C.         | WATER CLOSET                              |
|           | W.GL.        | WIRE GLASS                                |
|           | W.H.         | WATER HEATER                              |
|           | W.P.         | WORKING POINT                             |
|           | W.W.F.       | WELDED WIRE FABRIC                        |
|           | W/O          | WITHOUT(OUT)                              |
|           | WD.          | WOOD                                      |
|           | WIN.         | WINDOW                                    |
|           | WSCOT.       | WAINSCOT                                  |
| <b>AA</b> | WT.          | WEIGHT                                    |
|           | Y.D.         | YARD DRAIN                                |
|           | YD.          | YARD HYDRANT                              |
|           | YD.          | YARD                                      |
|           | Y.D.         | YARD DRAIN                                |
|           | YD.          | YARD HYDRANT                              |
|           | YD.          | YARD                                      |
|           | Y.D.         | YARD DRAIN                                |
|           | YD.          | YARD HYDRANT                              |
|           | YD.          | YARD                                      |

## ABBREVIATIONS

NOT ALL SYMBOLS MAY BE USED IN THIS DOCUMENT

| Room name   |  | A3-02A     | A3-02A     | MATCH LINE REFERENCE |
|---|--|------------|------------|----------------------|
| 101   |  | Match line | Match line |                      |
| 150 SF  |  |            |            |                      |
| ROOM NUMBER & NAME  |  |            |            |                      |
| ELEVATION REFERENCE (OVERALL EXTERIOR AND INTERIOR)                                       |  |            |            |                      |
| REFERENCE NUMBER OF DRAWING   |  |            |            |                      |
| SHEET WHERE DETAIL IS DRAWN   |  |            |            |                      |
| ELEVATION REFERENCE (PARTIAL EXTERIOR ELEVATIONS)   |  |            |            |                      |
| REFERENCE NUMBER OF DRAWING   |  |            |            |                      |
| SHEET WHERE DETAIL IS DRAWN   |  |            |            |                      |
| BUILDING SECTION REFERENCE  |  |            |            |                      |
| REFERENCE NUMBER OF DRAWING   |  |            |            |                      |
| SHEET WHERE DETAIL IS DRAWN   |  |            |            |                      |
| WALL SECTION REFERENCE  |  |            |            |                      |
| REFERENCE NUMBER OF DRAWING   |  |            |            |                      |
| SHEET WHERE DETAIL IS DRAWN   |  |            |            |                      |
| DETAIL / CALLOUT REFERENCE  |  |            |            |                      |
| REFERENCE NUMBER OF DRAWING   |  |            |            |                      |
| SHEET WHERE DETAIL IS DRAWN   |  |            |            |                      |
| AREA DETAIL REFERENCES  |  |            |            |                      |
| EXISTING COLUMN TAG AND CENTER LINE   |  |            |            |                      |
| NEW COLUMN TAG AND CENTER LINE  |  |            |            |                      |
| DRAWING TITLE TAG   |  |            |            |                      |
| DRAWING TITLE   |  |            |            |                      |
| PLAN NAME   |  |            |            |                      |
| 1/8" = 1'-0"  |  |            |            |                      |
| DRAWING SCALE   |  |            |            |                      |
| DETAIL NUMBER AND SHEET NUMBER OF DRAWING   |  |            |            |                      |
| PARTITION TYPE TAG  |  |            |            |                      |
| PARTITION TYPE  |  |            |            |                      |
| PARTITION HEAD CONDITION  |  |            |            |                      |
| DEMO PLAN KEYED NOTE ALSO DENOTED BY "D1-D199" SERIES NUMBERS                             |  |            |            |                      |
| FLOOR PLAN, RCP, ELEVATION, & SECTION KEYED NOTES ALSO DENOTED BY "01-499" SERIES NUMBERS |  |            |            |                      |
| DRAWING REVISION, BULLETIN  |  |            |            |                      |
| FLOOR MATERIAL REFERENCE  |  |            |            |                      |
| FURNITURE, FIXTURES, EQUIPMENT TAG  |  |            |            |                      |
| WINDOW AND CURTAIN WALL TAG   |  |            |            |                      |
| TOILET ACCESSORY KEY  |  |            |            |                      |
| DOOR TAG  |  |            |            |                      |
| CASEWORK TAG  |  |            |            |                      |
| SIGNAGE TAG   |  |            |            |                      |
| SIGNAGE TAG - CODE REQ'D  |  |            |            |                      |
| CEILING HEIGHT TAG (SEE R.C.P. LEGEND)  |  |            |            |                      |
| DATUM TARGET  |  |            |            |                      |
| NORTH ARROW   |  |            |            |                      |

## MATERIAL HATCH LEGEND

NOT ALL MATERIALS MAY BE USED IN THIS DOCUMENT

ALUMINUM

BATT INSULATION

BRICK

CAST STONE

CONCRETE (CAST IN PLACE)

CONCRETE (PRECAST)

CONCRETE MASONRY UNIT

EARTH

GRAVEL

GROUT

SAND

STEEL

WOOD (FINISH)

WOOD (ROUGH LUMBER)

WOOD (BLOCKING)

PLYWOOD

RIGID INSULATION









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ARTICLE III. DESCRIPTION OF TENANT'S WORK

A. SIGNS: TENANT SHALL PAY FOR ALL SIGNS AND THE INSTALLATION THEREOF SUBJECT TO THE PROVISIONS OF THE LEASE. LANDLORD TO REVIEW AND APPROVE ALL SIGNAGE PRIOR TO THE COMMENCEMENT OF ANY WORK. IF ELECTRICAL SERVICE IS REQUIRED TO LIGHT TENANT'S EXTERIOR STOREFRONT SIGN, THEN TENANT MUST PROVIDE ALL ELECTRICAL POWER (INCLUDING CONDUIT, WIRING, RELAYS, JUNCTION BOX, TRANSFORMER(S) AND ACCESS PANEL(S)) FROM TENANT'S ELECTRICAL PANEL TO TENANT'S EXTERIOR STORE FRONT SIGNS. THE ACTUAL HOOK-UP OF TENANT'S SIGN IS THE RESPONSIBILITY OF TENANT. ALL PENETRATIONS OF THE BUILDING EXTERIOR WALL MUST BE APPROVED BY LANDLORD. ANY STRENGTHENING OR MODIFICATION OF EXISTING STRUCTURE TO SUPPORT SIGNS IS THE RESPONSIBILITY OF THE TENANT AND SHALL BE REVIEWED AND APPROVED BY THE LANDLORD.

B. CANOPY: LANDLORD WILL PROVIDE THE STANDARD CANOPY DESIGN WHERE CONSTRUCTED. AWNINGS IF APPROVED BY LANDLORD SHALL BE PROVIDED BY TENANT, INCLUDING ANY REQUIRED BLOCKING IN SUPPORT THEREOF. ALL PENETRATIONS OF THE BUILDING EXTERIOR WALL MUST BE APPROVED BY LANDLORD. ANY STRENGTHENING OR MODIFICATION OF EXISTING STRUCTURE TO SUPPORT AWNINGS IS THE RESPONSIBILITY OF THE TENANT AND SHALL BE REVIEWED AND APPROVED BY THE LANDLORD.

C. UTILITIES: ALL METERS OR OTHER MEASURING DEVICES IN CONNECTION WITH GAS, WATER AND ELECTRIC UTILITY SERVICES SHALL BE PROVIDED BY THE LANDLORD. ALL METERS OR OTHER MEASURING DEVICES IN CONNECTION WITH TELECOMMUNICATIONS UTILITY SERVICES SHALL BE PROVIDED BY THE TENANT. ALL SERVICE DEPOSITS SHALL BE MADE AT THE TENANT'S EXPENSE.

D. INTERIOR WORK: THE WORK TO BE DONE BY TENANT SHALL INCLUDE, BUT NOT BE LIMITED TO, THE PURCHASE AND/OR INSTALLATION AND/OR PERFORMANCE OF THE FOLLOWING:

1. CONCRETE SLAB INFILL AT TENANT INTERIOR SPACE. THE GROUND LEVEL SLAB-ON-GRADE SHOULD CONSIST OF A 4" TO 6" GRAVEL SUBBASE, 15 MIL VAPOR BARRIER, AND A 6" REINFORCED CONCRETE SLAB. THE SLAB SHALL BE REINFORCING WITH #4 @ 18" EACH WAY PLACED 2" BELOW TO THE TOP SURFACE OF THE SLAB.
2. ELECTRICAL WIRING, FIXTURES, AND EQUIPMENT (IE PANELS, DISCONNECTS, ETC.).
3. FIRE ALARM SYSTEM: SMOKE DETECTORS, PULL STATION, HORN, STROBES, AND OTHER ITEMS AS REQUIRED BY CODE OR OTHERWISE REQUIRED BY TENANT SHALL BE SUPPLIED BY TENANT AT TENANT'S EXPENSE. TENANT SHALL BE REQUIRED TO USE LANDLORD'S DESIGNATED FIRE ALARM CONTRACTOR FOR ALL SUCH FIRE ALARM WORK.
4. SECURITY SYSTEM. TO BE PROVIDED BY TENANT.
5. DEMISING WALL: TENANT DEMISING WALL IS COMPRISED OF 2HR RATED, UL-419, TWO LAYERS OF 5/8" TYPE X GYPSUM BOARD EACH SIDE OF STUD WALL WITH FULL HEIGHT 6" SOUND ATTENUATING INSULATION IN THE STUD CAVITY (TOTAL WALL THICKNESS 8 1/2"). TENANT IS RESPONSIBLE FOR ONE-HALF OF A COMPLETE FULL HEIGHT DEMISING WALL OF ITS PREMISES. THE INITIAL CONSTRUCTION OF THE FULL HEIGHT DEMISING WALL WILL CONSIST OF TWO LAYERS OF 5/8" TYPE X FIRE-RATED GYPSUM WALLBOARD ON 6" METAL STUD WALL. SECOND TENANT TO PROVIDE 6" FULL HEIGHT SOUND ATTENUATING INSULATION IN THE STUD CAVITY AND THE REMAINING TWO LAYERS OF 5/8" TYPE X FIRE-RATED GYPSUM WALLBOARD. EDGE CONDITIONS AND PENETRATIONS TO BE FIRE STOPPED AND SEALED TO SATISFY CODE REQUIRED FIRE RATING REQUIREMENTS.
6. SHEET ROCK COVERING ALL WALLS, INCLUDING BUT NOT LIMITED TO THE INTERIOR SIDE OF EXTERIOR WALLS, PARTITIONS INCLUDING FINISHING, ELECTRICAL WIRING, AND CONNECTIONS WITHIN THE DEMISED PREMISES.
7. LIGHT COVERS AND SPECIAL HUNG OR FURRED CEILINGS.
8. AT RETAIL AREAS BELOW THE PARKING GARAGE, TENANT WILL BE REQUIRED TO PROVIDE SPRAYED R-25 THERMAL INSULATION TO THE UNDERSIDE OF THE PARKING DECK. SPRAY ON INSULATION TO BE MONOGLASS SPRAY-ON-FIBER.
9. DOORS AND HARDWARE.
10. ALL INTERIOR FINISHES: FLOORS, WALLS, AND CEILINGS.
11. STORE FIXTURES AND FURNISHINGS.
12. DISPLAY WINDOW ENCLOSURE.
13. PLUMBING FIXTURES WITHIN THE DEMISED PREMISES.
14. APPLIANCES: WATER PROTECTION SYSTEMS, PANS AND/OR DESIGNS APPROVED BY LANDLORD FOR ALL APPLIANCES USING WATER SUCH AS BUT NOT LIMITED TO DISHWASHERS, SPRAYERS, AND OTHER SUCH ITEMS, SO AS TO PREVENT SEEPAGE OR OTHER MIGRATION OF WATER AND OTHER LIQUIDS OUT OF THE DEMISED PREMISES.
15. HVAC: TENANT WILL FURNISH AND INSTALL A LANDLORD APPROVED HVAC SYSTEM. SPACE WILL BE ALLOCATED ON THE PARKING DECK LEVELS ABOVE THE RETAIL SPACE FOR TENANT HVAC SYSTEM.
16. TOILET EXHAUST: PROVIDE EXHAUST FAN WITH DUCT TO SOUTH WALL FOR EACH OF TENANT'S TOILET ROOMS. EXHAUST LOUVER LOCATIONS TO BE APPROVED BY LANDLORD.
17. KITCHEN EXHAUST POLLUTION CONTROL UNITS: PARKING DECK STRUCTURE AT THE EAST AND WEST CORNERS OF THE BUILDING HAVE BEEN STRUCTURALLY DESIGNED TO SUPPORT TENANT POLLUTION CONTROL UNIT THAT WILL BE SUPPORTED FROM THE PARKING DECK STRUCTURE WITHIN THE TENANT SPACE OR LOCATED ON THE PARKING DECK ABOVE THE TENANT SPACE. LOCATION ON THE PARKING DECK ABOVE MUST BE APPROVED BY LANDLORD. TENANT IS RESPONSIBLE FOR OBTAINING, AND PAYING FOR A STRUCTURAL EVALUATION OF THE INSTALLED EQUIPMENT ON THE EXISTING STRUCTURE.
18. ALL PROPOSED LOCATIONS, PENETRATION METHODS, AND PENETRATION SIZES THROUGH THE PARKING DECK SLAB MUST BE SUBMITTED TO THE LANDLORD'S DESIGNATED STRUCTURAL ENGINEER FOR REVIEW, COMMENT, AND APPROVAL PRIOR TO ANY WORK BEING STARTED. ALL PENETRATIONS THROUGH THE WATERPROOFED PARKING DECK SLAB ABOVE MUST BE SEALED TO MAINTAIN THE WATERPROOFING. PENETRATION WATERPROOFING DETAILS TO BE APPROVED BY THE WATERPROOFING MANUFACTURER TO PREVENT VOIDING THE MANUFACTURER'S INSTALLATION WARRANTY. THE ORIGINAL WATERPROOFING INSTALLER MUST BE RETAINED TO PERFORM WATERPROOFING PENETRATIONS TO MAINTAIN THE WARRANTY OF THE SYSTEM.
19. TENANT IS RESPONSIBLE FOR CONTRACTING WITH AN INTERNET SERVICE PROVIDER, AND COORDINATING ALL INTERIOR CABLING SCOPE FROM THE EXISTING MDF TO THEIR SPACE, ALONG WITH ALL CABLING WITHIN THEIR SPACE. COORDINATE WITH OWNER FOR APPROVAL ON THE PATH FROM THE EXISTING MDF TO TENANT SPACE.

E. ALL WORK UNDERTAKEN BY TENANT SHALL BE AT TENANT'S EXPENSE AND SHALL NOT DAMAGE THE BUILDING OR ANY PART THEREOF. ALL PENETRATIONS OF THE BUILDING EXTERIOR WALL MUST BE APPROVED BY LANDLORD AND MAINTAIN THE WATERPROOFING AND INSULATION INTEGRITY OF THE BUILDING ENVELOPE. ANY ROOFING OR DOUBLE SLAB WATERPROOFING PENETRATION SHALL BE SEALED BY LANDLORD'S APPROVED ROOFER OR WATERPROOFING CONTRACTOR AND SHALL BE PERFORMED ONLY AFTER LANDLORD HAS GIVEN CONSENT. CONSENT FOR MODIFICATION TO ANY PART OF THE EXTERIOR ENVELOPE, ROOFING AND WATERPROOFING SHALL IN PART BE CONDITIONED UPON TENANT'S PLANS TO INCLUDE MATERIALS, DETAILS AND INSTALLATION METHODS ACCEPTABLE TO LANDLORD.

F. IN ORDER NOT TO EXCEED THE STRUCTURAL DESIGN LOADS PARKING DECK LEVELS ABOVE, SPREAD THE WEIGHT OF ANY EQUIPMENT BEING INSTALLED OR STORED CONSTRUCTION MATERIALS. TENANT IS RESPONSIBLE FOR OBTAINING, AND PAYING FOR A STRUCTURAL EVALUATION OF THE INSTALLED EQUIPMENT AND STORED CONSTRUCTION LOADS ON THE EXISTING STRUCTURE.

REFERENCE INFORMATION

- A. FIRE ALARM  
MARRS ELECTRIC  
JUAN ORTIZ, VP  
(479) 435-0553  
[JORTIZ@MARRSELECTRIC-AR.COM](mailto:JORTIZ@MARRSELECTRIC-AR.COM)
- B. SECURITY  
MARRS ELECTRIC  
JUAN ORTIZ, VP  
(479) 435-0553  
[JORTIZ@MARRSELECTRIC-AR.COM](mailto:JORTIZ@MARRSELECTRIC-AR.COM)
- C. WATERPROOFING – PD09  
ATKINS WEATHERPROOFING (FAÇADE/TRAFFIC COATING – PD09)  
JACK KECK, PM  
(417) 861-8651  
[JACK@ATKINSWEATHERPROOFING.COM](mailto:JACK@ATKINSWEATHERPROOFING.COM)
- D. HOT FLUID APPLIED WATERPROOFING (SLAB) – PD09  
OKLAHOMA WATERPROOFING (PD09-OVERHEAD SLAB HOT FLUID APPLIED WATERPROOFING)  
TIMOTHY GANN  
(405) 948-4440  
1632 LINWOOD BLVD.  
OKLAHOMA CITY, OK 73106
- H. CURTAINWALL SYSTEMS – KAWNEER 1600 – PD02, 09  
RETAIL STOREFRONT GROUP (INSTALLER)  
GLAZING – VITRO  
(205) 699-1774  
7460 FRISCO AVE  
LEEDS AL 35094



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04/11/2025

Architect Name - RYAN M. FAUST

Architect Number - 4711

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REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
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|                          |                     |
|--------------------------|---------------------|
| Drawing Size:<br>24 x 36 | Project #:<br>24136 |
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|                  |                   |
|------------------|-------------------|
| Drawn By:<br>MEW | Checked By:<br>KB |
|------------------|-------------------|

Title:

DELIVERY CONDITIONS  
– TENANT'S WORK AND  
REFERENCE  
INFORMATION

Sheet Number:

A0.05

ISSUE DATE: 04/11/2025



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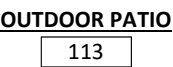
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1. REFER TO PARTITION TYPES FOR THICKNESS OF WALLS AND PARTITIONS.
2. WALL AND PARTITION DIMENSIONS ARE SHOWN TO FACE OF STUD, UNLESS OTHERWISE NOTED.
3. FOR DOOR AND FRAME INFORMATION, SEE A6-SERIES DRAWINGS
4. PROVIDE GYP. BD. CONTROL JOINTS AT WALLS OVER 30'-0" IN LENGTH.
5. RESTROOMS TO HAVE MOISTURE RESISTANT GYP. BD. AT WET SIDE OF ROOM AND ADJACENT TO WATER CLOSET.
6. ALL WALLS WITH CERAMIC TILE TO BE FIBER-CEMENT BACKER BOARD.
7. INFILL SLAB AS REQ'D. PROVIDE MIN. 4" SLAB ON GRADE WITH 6X6 W/1.4XW1.4WWF. PROVIDE MIN 10 MIL VAPOR BARRIER AS REQ'D.

|     |   |
|-----|---|
| 200 | PROVIDE ACCESS PANEL CENTERED AT 3'-0" AFF. BASIS OF DESIGN BP-2002 ACUDOR 16" X 16" UNIVERSAL FLUSH ACCESS DOOR - WITH HIDDEN FLANGE. PAINT TO MATCH ADJ. WALL.                                |
| 202 | SLAB INFILL TO CONSIST OF 4" TO 6" GRAVEL SUBBASE, 15 MIL VAPOR BARRIER, AND 6" REINFORCED CONCRETE SLAB. REINFORCE SLAB WITH #4 @ 18" EACH WAY PLACED 2" BELOW TO THE TOP SURFACE OF THE SLAB. |
| D1  | REMOVE EXISTING STOREFRONT AND GLAZING AND REPLACE WITH STOREFRONT DOOR. MATCH DOOR HARDWARE TO EXISTING EXTERIOR STOREFRONT DOORS. PROVIDE EXTERIOR DOOR THRESHOLD.                            |



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04/11/2025

**Architect Name** - RYAN M. FAUST

**Architect Number - 4711**

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## REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|-----|------|-------------|

|                                 |                            |
|---------------------------------|----------------------------|
| <b>Drawing Size:</b><br>24 x 36 | <b>Project #:</b><br>24136 |
| <b>Drawn By:</b><br>HLG         | <b>Checked By:</b><br>KB   |

**Title.**

## DIMENSION PLAN

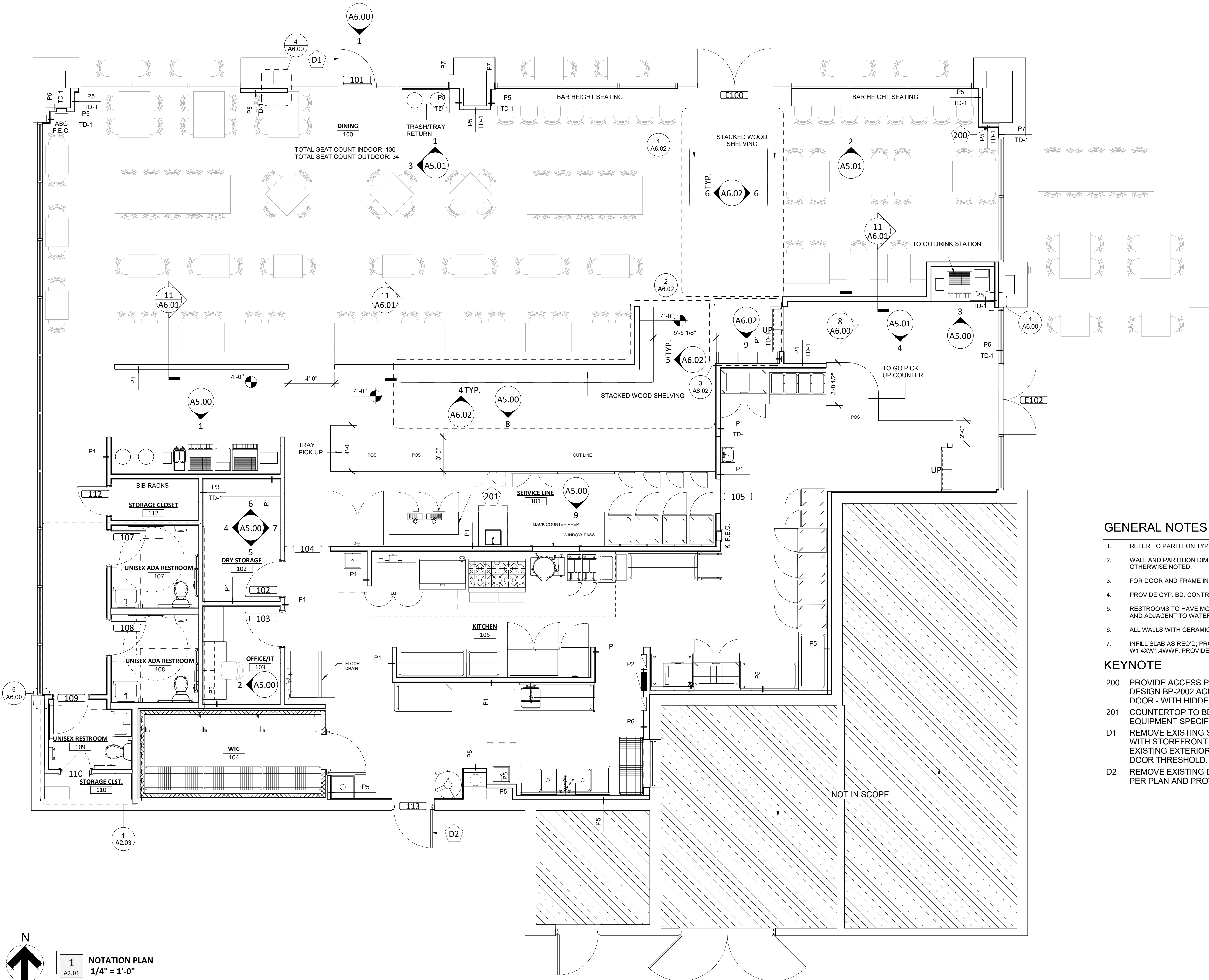
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### GENERAL NOTES

1. REFER TO PARTITION TYPES FOR THICKNESS OF WALLS AND PARTITIONS.
2. WALL AND PARTITION DIMENSIONS ARE SHOWN TO FACE OF STUD, UNLESS OTHERWISE NOTED.
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### KEYNOTE

- 200 PROVIDE ACCESS PANEL CENTERED AT 3'-0" AFF. BASIS OF DESIGN BP-2002 ACUDOR 16" X 16" UNIVERSAL FLUSH ACCESS DOOR - WITH HIDDEN FLANGE. PAINT TO MATCH ADJ. WALL.
- 201 COUNTERTOP TO BE CUT AROUND EQUIPMENT; REF. EQUIPMENT SPECIFICATIONS FOR DIMENSIONS OF EQUIPMENT.
- D1 REMOVE EXISTING STOREFRONT AND GLAZING AND REPLACE WITH STOREFRONT DOOR. MATCH DOOR HARDWARE TO EXISTING EXTERIOR STOREFRONT DOORS. PROVIDE EXTERIOR DOOR THRESHOLD.
- D2 REMOVE EXISTING DOOR, FRAME, AND HARDWARE. REINSTALL PER PLAN AND PROVIDE ADDITIONAL HARDWARE AS REQ'D.

WRIGHT'S BBQ WALMART  
CAMPUS INFILL

1410 SE 8TH STREET STE#14

BENTONVILLE, AR 72712



04/11/2025

Architect Name - RYAN M. FAUST

Architect Number - 4711

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| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
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|               |            |
|---------------|------------|
| Drawing Size: | Project #: |
| 24 x 36       | 24136      |

|           |             |
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| Drawn By: | Checked By: |
| HG        | KB          |

Title:

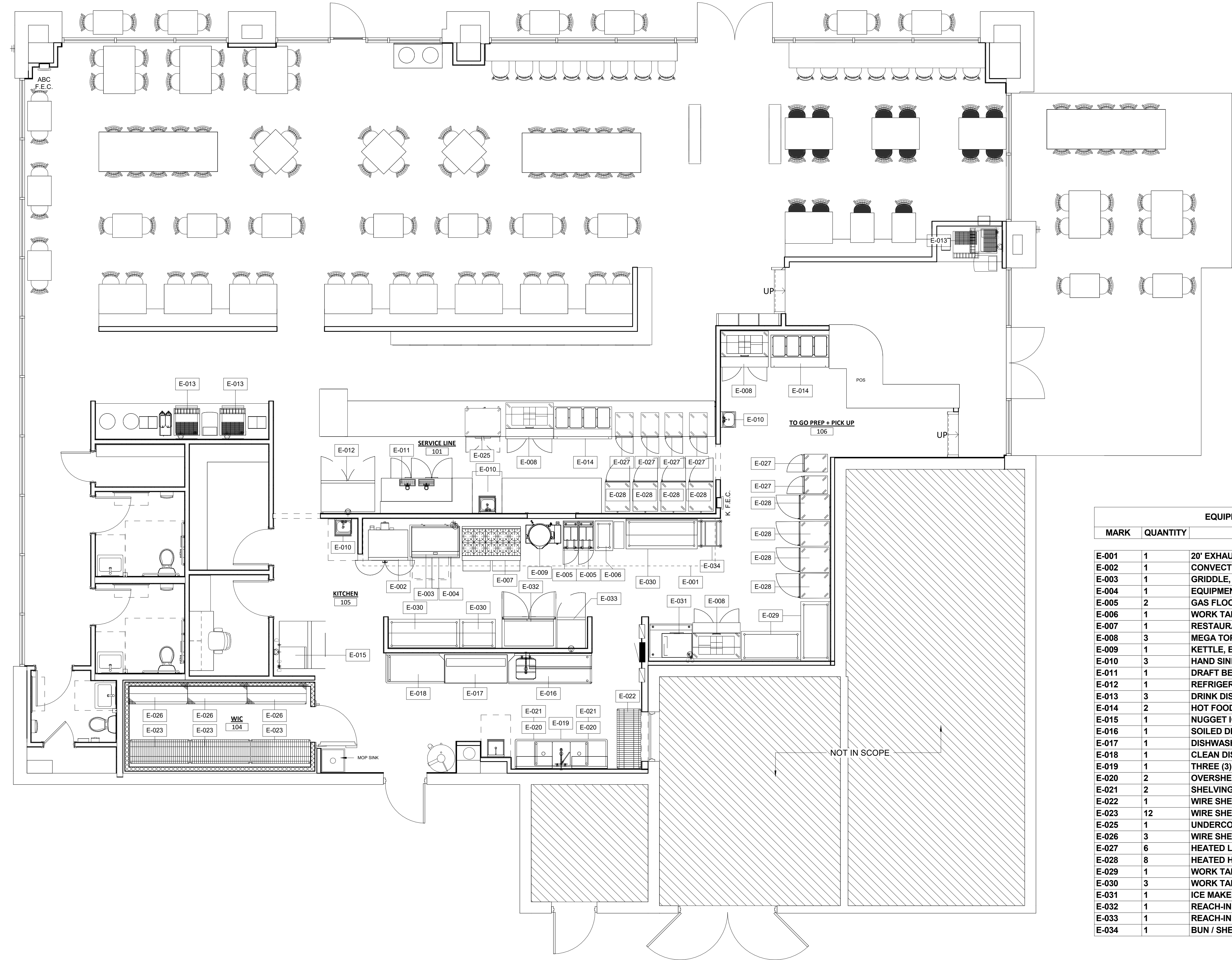
NOTATION PLAN

Sheet Number:

A2.01

ISSUE DATE: 04/11/2025

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A2.02

EQUIPMENT PLAN

1/4" = 1'-0"

| EQUIPMENT SCHEDULE |          |  |
|--------------------|----------|--|
| MARK               | QUANTITY | CATEGORY                                   |
| E-001              | 1        | 20' EXHAUST HOOD                           |
| E-002              | 1        | CONVECTION OVEN, GAS                       |
| E-003              | 1        | GRIDDLE, GAS, COUNTERTOP                   |
| E-004              | 1        | EQUIPMENT STAND, REFRIGERATED BASE         |
| E-005              | 2        | GAS FLOOR FRYER                            |
| E-006              | 1        | WORK TABLE, 18", STAINLESS STEEL TOP       |
| E-007              | 1        | RESTAURANT RANGE, GAS, 60" 10 OPEN BURNERS |
| E-008              | 3        | MEGA TOP SANDWICH/SALAD PREP REFRIGERATOR  |
| E-009              | 1        | KETTLE, ELECTRIC, COUNTERTOP               |
| E-010              | 3        | HAND SINK                                  |
| E-011              | 1        | DRAFT BEER COOLER                          |
| E-012              | 1        | REFRIGERATED MERCHANDISER                  |
| E-013              | 3        | DRINK DISPENSER AND ICE COMBO UNIT         |
| E-014              | 2        | HOT FOOD SERVING COUNTER/TABLE             |
| E-015              | 1        | NUGGET ICE MAKER                           |
| E-016              | 1        | SOILED DISHTABLE                           |
| E-017              | 1        | DISHWASHER                                 |
| E-018              | 1        | CLEAN DISHTABLE                            |
| E-019              | 1        | THREE (3) COMPARTMENT SINK                 |
| E-020              | 2        | OVERSHELF                                  |
| E-021              | 2        | SHELVING, WALL MOUNTED                     |
| E-022              | 1        | WIRE SHELVING                              |
| E-023              | 12       | WIRE SHELVING                              |
| E-025              | 1        | UNDERCOUNTER REFRIGERATOR                  |
| E-026              | 3        | WIRE SHELVING                              |
| E-027              | 6        | HEATED LOW TEMP HOLDING CABINET            |
| E-028              | 8        | HEATED HOLDING CABINET                     |
| E-029              | 1        | WORK TABLE, 36", STAINLESS STEEL TOP       |
| E-030              | 3        | WORK TABLE, 72", STAINLESS STEEL TOP       |
| E-031              | 1        | ICE MAKER, CUBE-STYLE                      |
| E-032              | 1        | REACH-IN REFRIGERATOR                      |
| E-033              | 1        | REACH-IN FREEZER                           |
| E-034              | 1        | BUN / SHEET PAN RACK                       |

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| REVISIONS |             |
|-----------|-------------|
| NO.       | DESCRIPTION |

|                          |                     |
|--------------------------|---------------------|
| Drawing Size:<br>24 x 36 | Project #:<br>24136 |
| Drawn By:<br>HG          | Checked By:<br>KB   |
| Title:<br>EQUIPMENT PLAN |                     |

Sheet Number:  
**A2.02**

ISSUE DATE: 04/11/2025

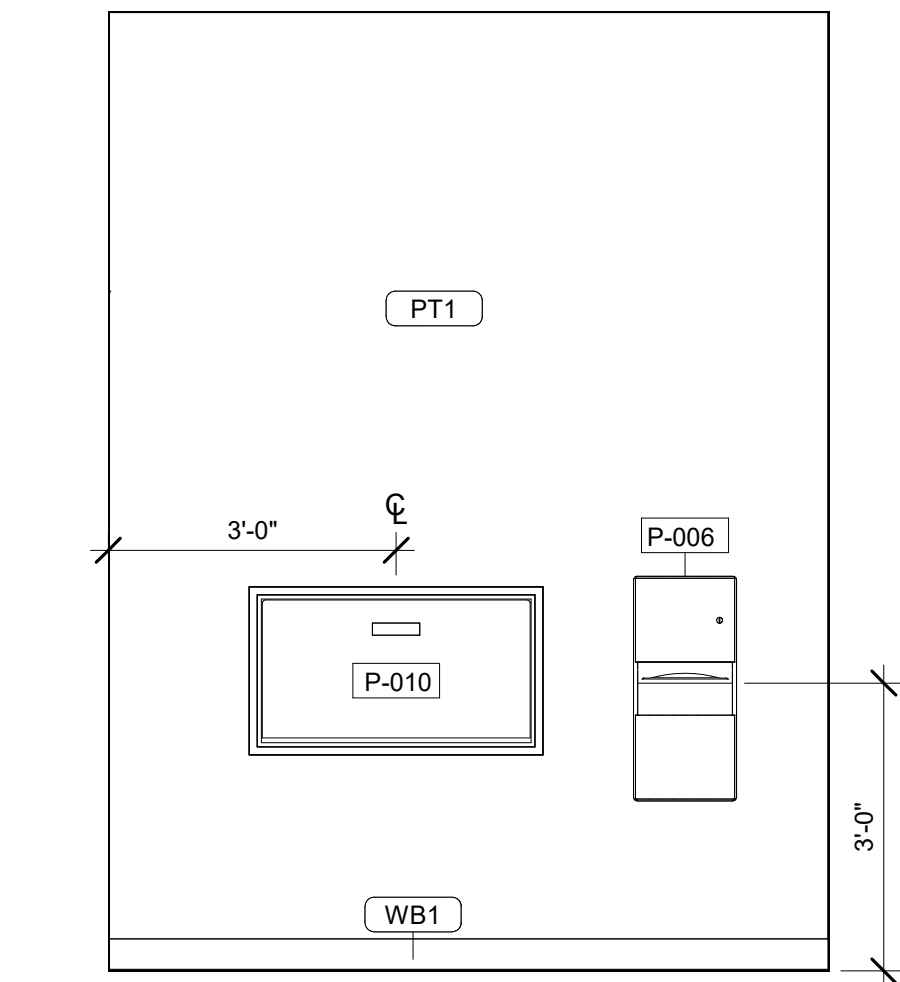
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| TYPICAL MOUNTING HEIGHTS   1/2" = 1'-0" |                       |  |                              |                              |                                |  |                      |                 |                             |
|---|-----------------------|--|------------------------------|------------------------------|--------------------------------|--|----------------------|-----------------|-----------------------------|
| P-001 RESTROOM SINK                     | P-002 RESTROOM MIRROR | P-003A 36" GRAB BAR<br>P-003C 42" GRAB BAR | P-003B 18" VERTICAL GRAB BAR | P-004 TOILET PAPER DISPENSER | P-005 SANITARY NAPKIN DISPOSAL | P-006 PAPER TOWEL AND TRASH RECEPTACAL | P-007 SOAP DISPENSER | P-008 COAT HOOK | P-010 BABY CHANGING STATION |
|   |                       |  |                              |                              |                                |  |                      |                 |                             |

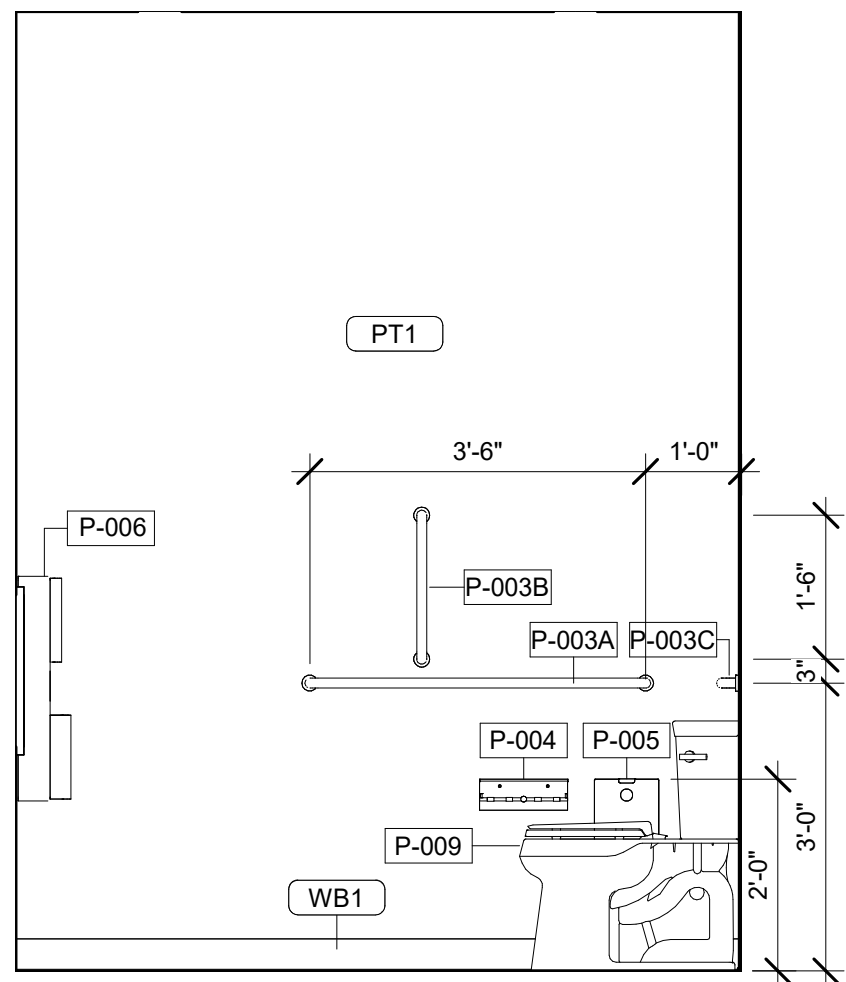
 **TYPICAL MOUNTING HEIGHTS LEGEND**  
1/2" = 1'-0"

| PLUMBING FIXTURES AND ACCESSORIES SCHEDULE |              |              |  |  |
|--|--------------|--------------|--|--|
| MARK                                       | MANUFACTURER | MODEL        | DESCRIPTION  | NOTES  |
| P-001                                      | BRADLEY CORP | TLX-1 FAUCET | WALL HUNG LAVATORY AND FAUCET                        | FAUCET FINISH: METRO IN BRUSHED BLACK STAINLESS; COUNTERTOP FINISH: ALPINE WHITE |
| P-002                                      | BOBRICK      | B-290 1830   | WELDED-FRAME MIRROR                                  | FINISH: MATTE BLACK  |
| P-003A                                     | BOBRICK      | B-5806       | STRAIGHT GRAB BAR, 1-1/2" DIA.X18", VERTICAL MOUNTED | FINISH: SATIN STAINLESS STEEL  |
| P-003B                                     | BOBRICK      | B-5806       | STRAIGHT GRAB BAR, 1-1/2" DIA.X18", VERTICAL MOUNTED | FINISH: SATIN STAINLESS STEEL  |
| P-003C                                     | BOBRICK      | B-5806       | STRAIGHT GRAB BAR, 1-1/2" DIA.X36                    | FINISH: SATIN STAINLESS STEEL  |
| P-004                                      | BOBRICK      | B-540        | TOILET TISSUE HOLDER WITH UTILITY SHELF              | FINISH: MATTE BLACK  |
| P-005                                      | BOBRICK      | B-35139      | DISPOSAL, SANITARY NAPKIN, SURFACE MOUNTED           | FINISH: MATTE BLACK  |
| P-006                                      | BOBRICK      | B-43699      | PAPER TOWEL AND WASTE RECEPTACLE                     | FINISH: SATIN STAINLESS STEEL  |
| P-007                                      | BOBRICK      | B-2013       | SOAP DISPENSER                                       | FINISH: MATTE BLACK  |
| P-008                                      | BOBRICK      | B-9542       | COAT HOOK, SURFACE MOUNTED                           | FINISH: MATTE BLACK  |
| P-009                                      | KOHLER       | K-5481-0     | FLOOR MOUNTED TOILET                                 | FINISH: WHITE  |
| P-010                                      | BRADLEY CORP | 962          | RECESSED BABY CHANGING STATION                       | FINISH: STAINLESS STEEL  |
| P-013                                      |              |              |  |  |

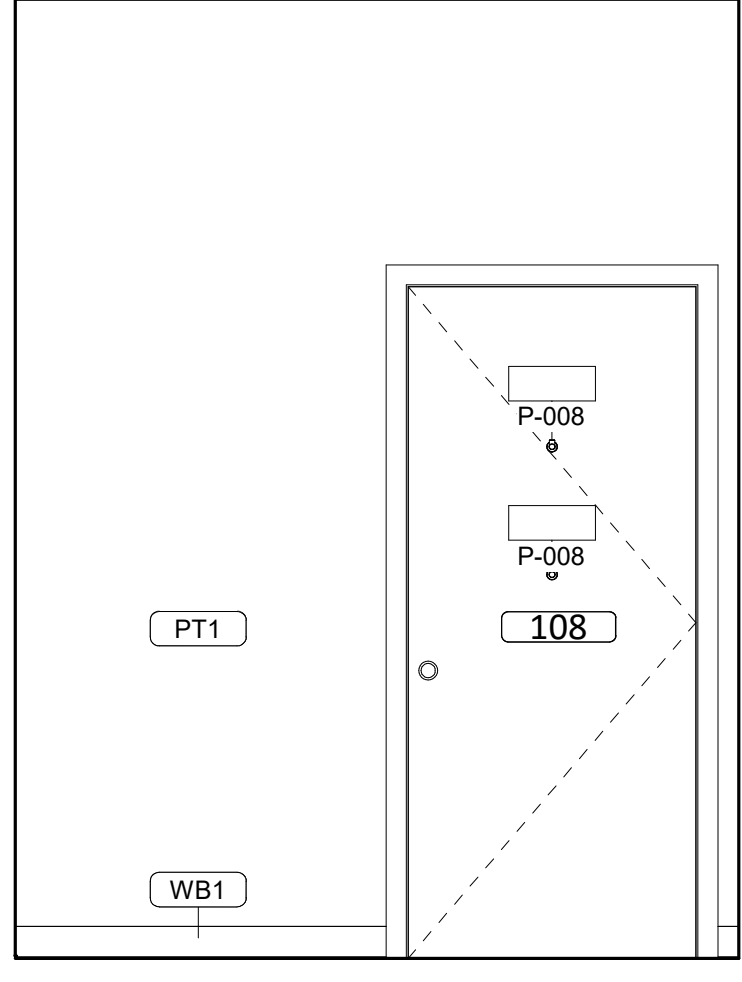
| KEYNOTE LEGEND |  | GENERAL MOUNTING HEIGHTS NOTES  |
|----------------|--|---|
| NO.            | DESCRIPTION  |   |
| 601            | TILE TO START HERE.  | 1 FIXTURES AND ACCESSORIES DESIGNATED AS "HANDICAPPED" OR "HC", SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE PLUMBING CODE AND THE AMERICANS WITH DISABILITIES ACT GUIDELINES |
| 602            | WALL OPENING TRIM TO BE STAINED WS1.   | 2 PROVIDE BLOCKING, BRACKETS AND MISCELLANEOUS MATERIALS NECESSARY FOR THE INSTALLATION OF ACCESSORIES. SEE FLOOR PLANS AND A0.02 FOR PARTITION INFORMATION                                       |
| 603            | MENU BOARD SCREEN; OFCI.   | 3 LOCATE TOILET ACCESSORIES AS SHOWN IN LARGE SCALE TOILET PLANS AND MOUNT AT HEIGHTS INDICATED HEREIN  |
| 604            | SCREEN BY BLACK DOG VIDEO.   | 4 GRAB BARS MUST BE CAPABLE OF RESISTING A FULL LOAD OF 400 LBS EXERTED AT ANY POINT IN ANY DIRECTION   |
| D1             | REMOVE EXISTING STOREFRONT AND GLAZING AND REPLACE WITH STOREFRONT DOOR. MATCH DOOR HARDWARE TO EXISTING EXTERIOR STOREFRONT DOORS. PROVIDE EXTERIOR DOOR THRESHOLD. | 5 WRAP ALL EXPOSED PIPING UNDER LAVATORIES WITH PROTECTIVE INSULATION FOR PROTECTION OF PEOPLE IN WHEEL CHAIRS  |
| D2             | REMOVE EXISTING DOOR, FRAME, AND HARDWARE. REINSTALL PER PLAN AND PROVIDE ADDITIONAL HARDWARE AS REQD.   | 6 FIXTURE DESIGNATIONS SHOWN SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL (A-SERIES) SHEETS ONLY. DESIGNATIONS ON M.E.P. DOCUMENTS MAY VARY.   |
| 101            | DASH LINE INDICATES EXISTING CONCRETE FLOOR. FIELD VERIFY EXTENTS.   | 7 COORDINATE LOCATION OF REAR GRAB BARS WITH WATER CLOSET FLUSH VALVES  |



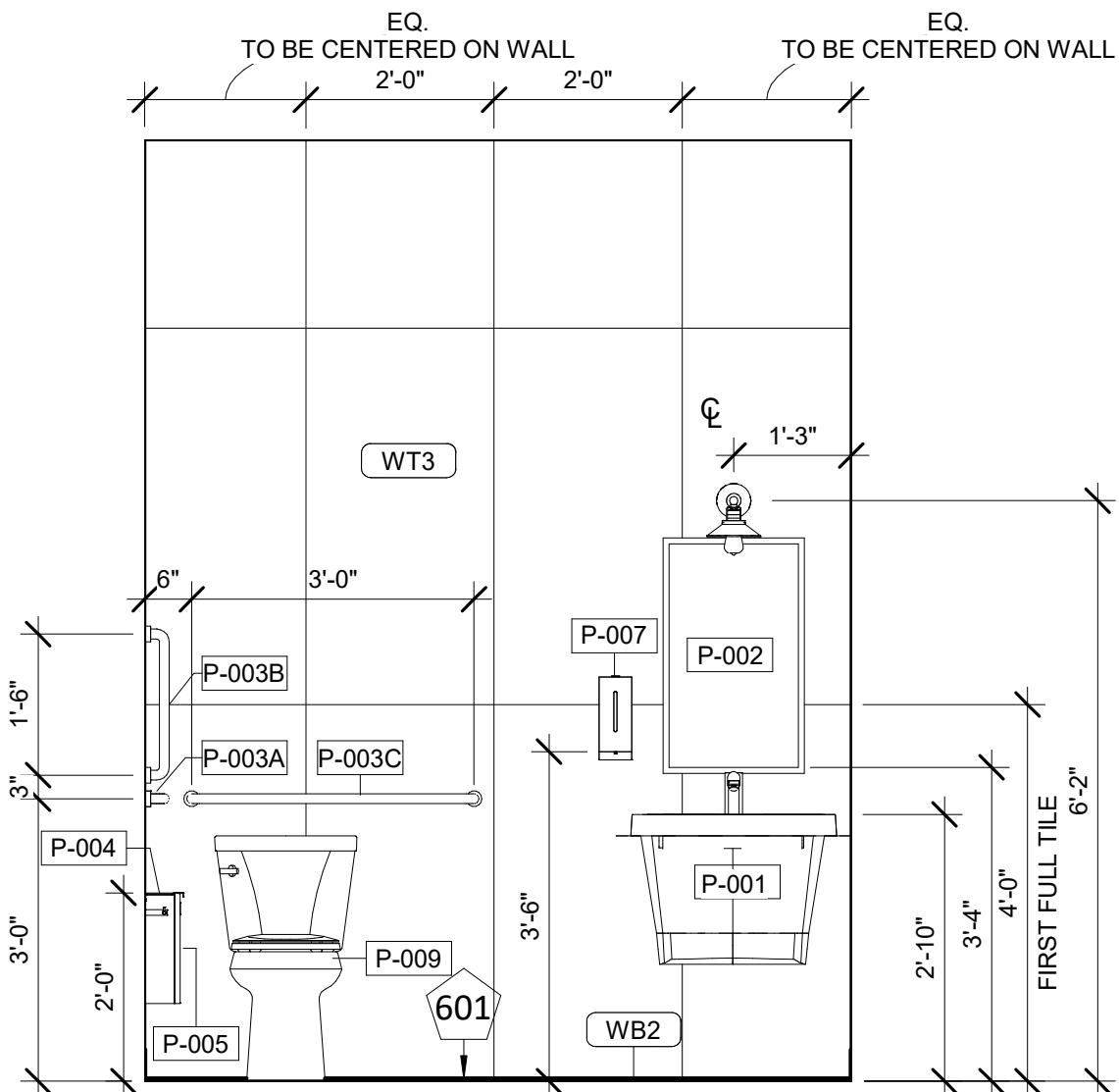
**9 UNISEX ADA RR TYP - NORTH ELEVATION**  
1/2" = 1'-0"



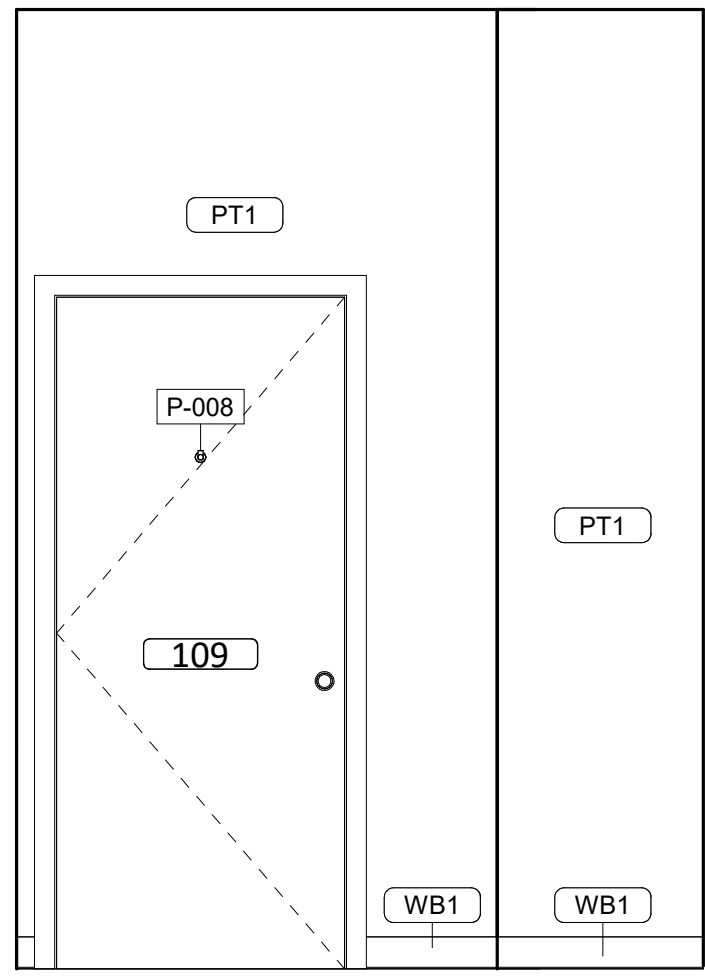
**8 UNISEX ADA RR TYP - EAST ELEVATION**  
1/2" = 1'-0"



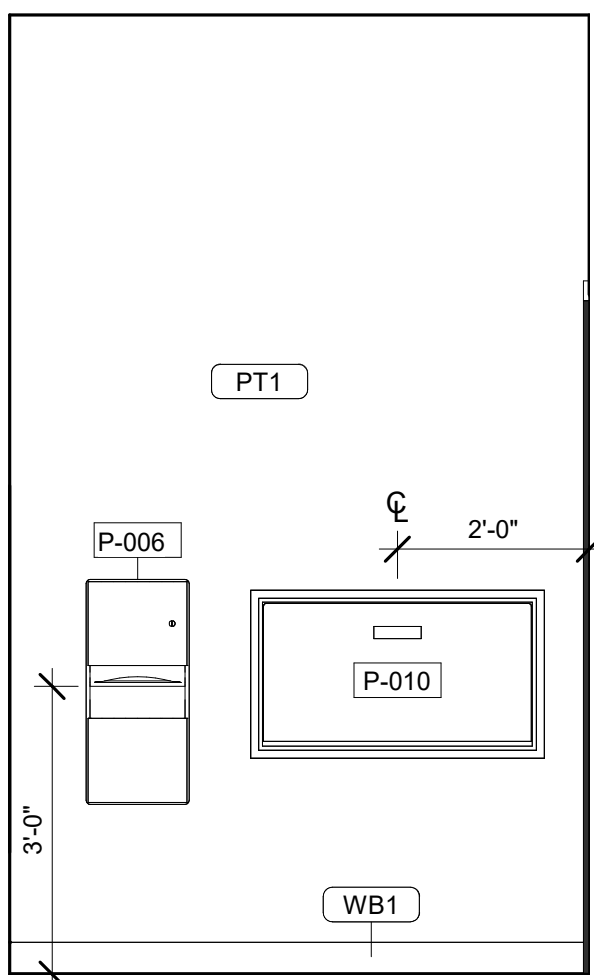
**7 UNISEX ADA RR TYP - WEST ELEVATION**  
1/2" = 1'-0"



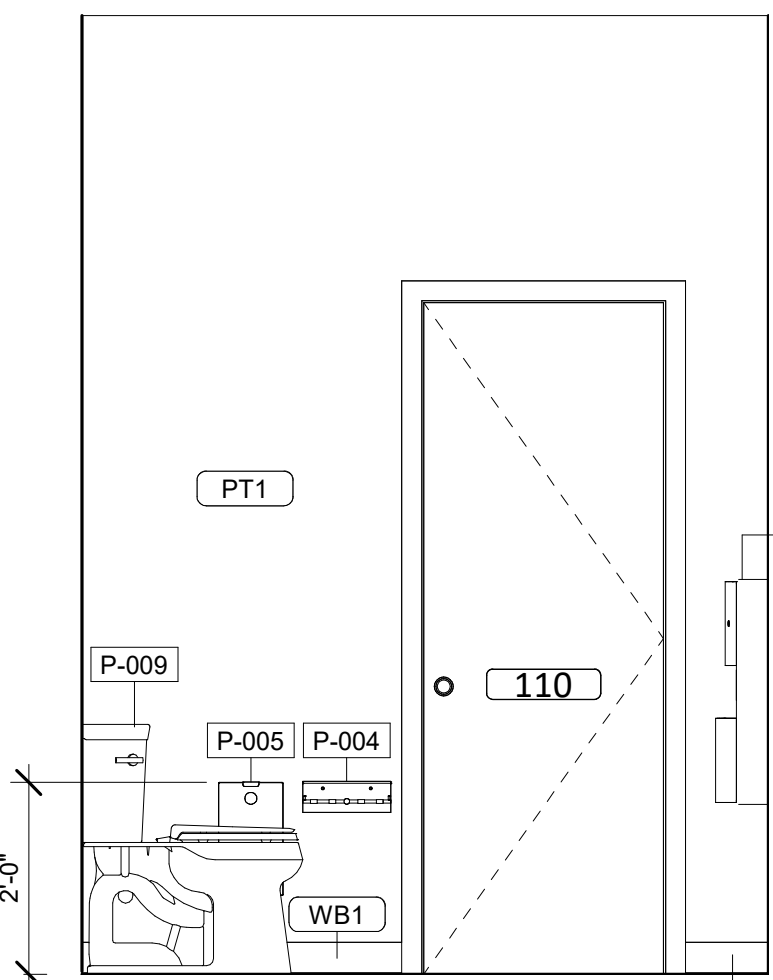
**6 UNISEX ADA RR TYP - SOUTH ELEVATION**  
1/2" = 1'-0"



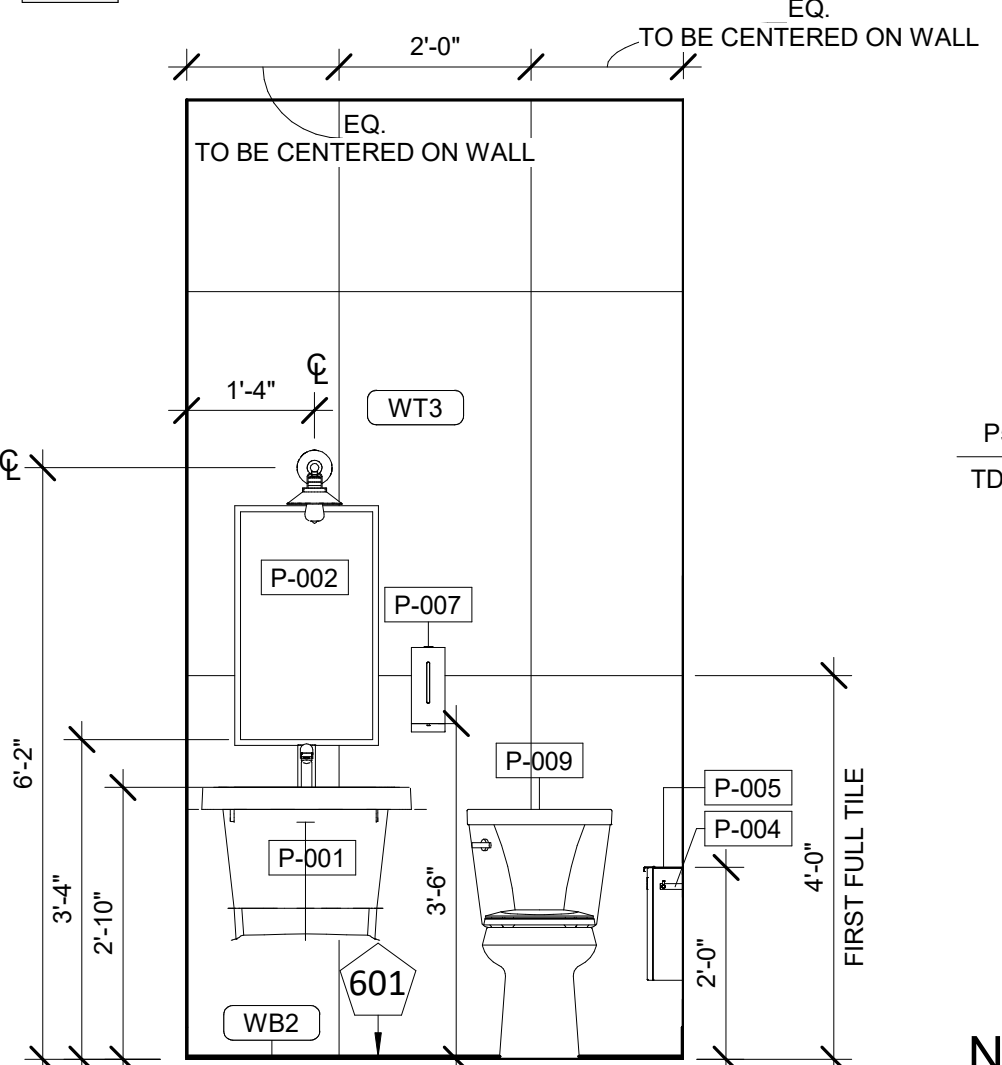
**5 UNISEX RR 109 - NORTH ELEVATION**  
1/2" = 1'-0"



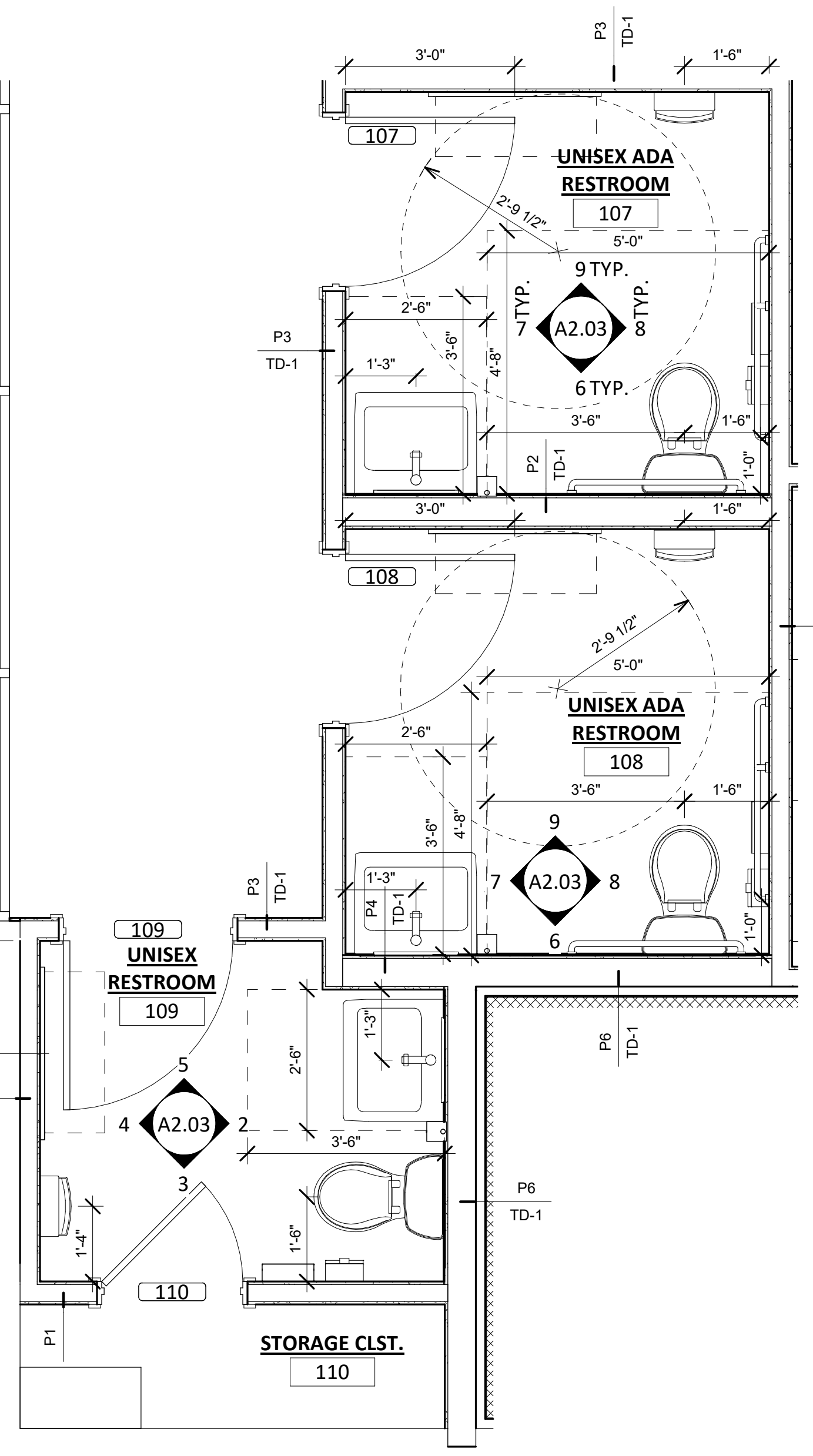
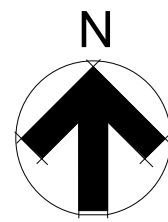
**4 UNISEX RR 109 - WEST ELEVATION**  
1/2" = 1'-0"



**3 UNISEX RR 109 - SOUTH ELEVATION**  
1/2" = 1'-0"



**2 UNISEX RR 109 - EAST ELEVATION**  
1/2" = 1'-0"

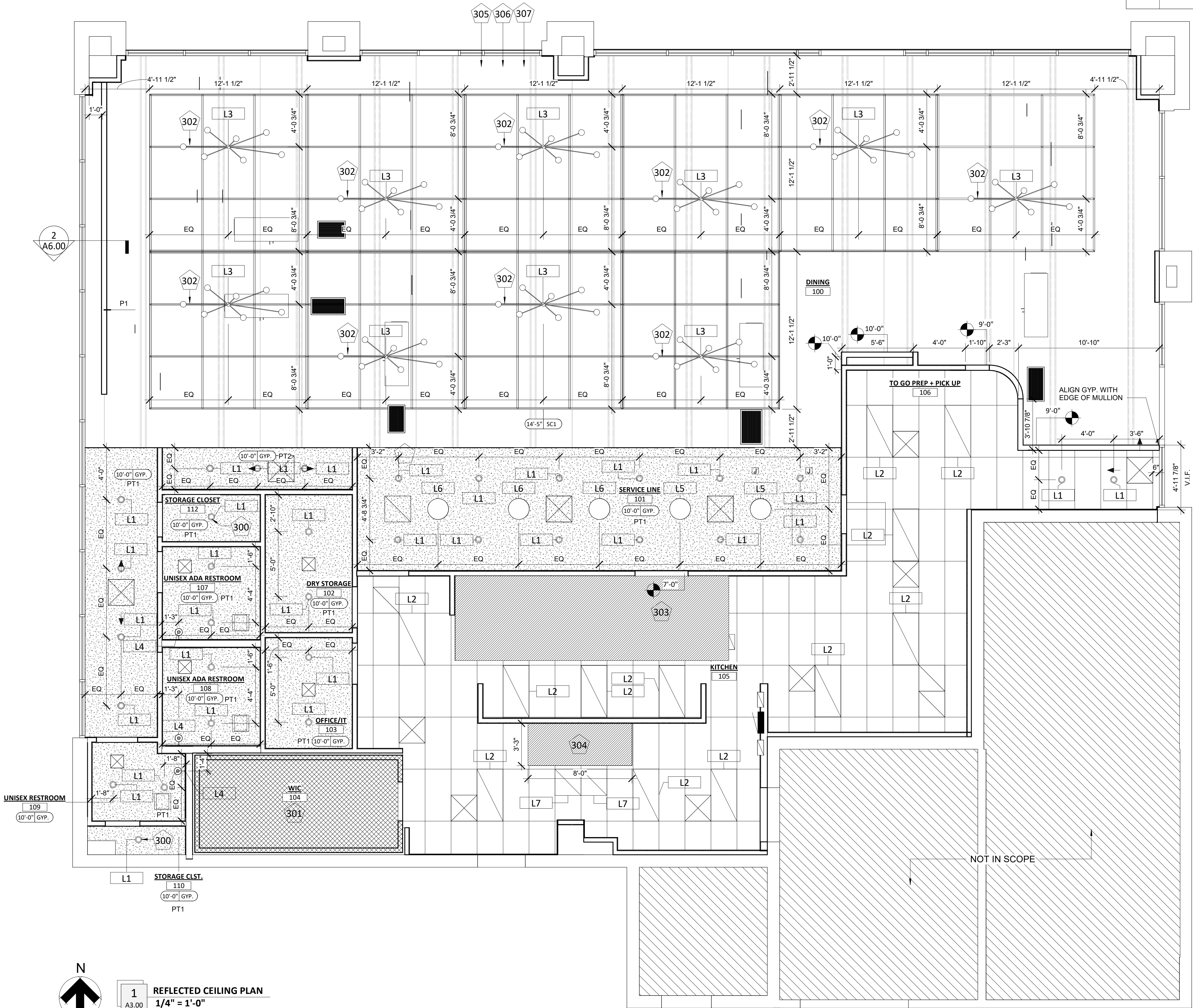


**1 ENLARGED RESTROOM PLAN**  
1/2" = 1'-0"





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| LIGHT FIXTURE SCHEDULE |                   |                                     |                                       |
|------------------------|-------------------|-------------------------------------|---------------------------------------|
| MARK                   | MANUFACTURER      | MODEL                               | DESCRIPTION                           |
| L1                     | COOPER LIGHTING   | HALO HC4                            | 4" LED DOWNLIGHT                      |
| L2                     | COOPER LIGHTING   | METALUX CRUZE SB SELECTABLE TROFFER | 2'X4' LED SPECIFICATION GRADE TROFFER |
| L3                     | CDS LIGHTING      | HANG                                | PENDANT                               |
| L4                     | CDS LIGHTING      | JULIUS                              | VANITY WALL SCONCE                    |
| L5                     | HANSON HEAT LAMPS | 404800RETSC                         | HEAT LAMP WITH COPPER FINISH          |
| L6                     | CDS LIGHTING      | BENTLEY                             | DECORATIVE PENDANT IN COPPER FINISH   |
| L7                     | COOPER LIGHTING   | METALUX CRUZE SB SELECTABLE TROFFER | 2'X2' LED SPECIFICATION GRADE TROFFER |

| KEYNOTE LEGEND - RCP |  |
|----------------------|--|
| NO.                  | DESCRIPTION  |
| 300                  | IN ROOMS WITH ONLY ONE LIGHT FIXTURE; EXAMPLE: STORAGE CLOSET; LIGHT TO BE CENTERED IN ROOM U.N.O.   |
| 301                  | PREMANUFACTURED INSULATED WALK-IN COOLER; PROVIDED BY OTHERS.  |
| 302                  | CENTER LIGHT FIXTURE ON GRID CEILING TRACK.  |
| 303                  | KITCHEN HOOD; CFCI.  |
| 304                  | DISH PIT HOOD; CFCI. REF./COORDINATE WITH MECHANICAL PROVIDE R-25. MONOGLASS SPRAY-ON-FIBER INSULATION TO THE UNDERSIDE OF PARKING DECK.   |
| 305                  | R-25 MONOGLASS INSULATION TO BE PAINT PT2 WHERE NOT CONCEALED BY A CEILING.  |
| 306                  | ANY ROOFING OR DOUBLE SLAB WATERPROOFING PENETRATION SHALL BE SEALED BY LANDLORD'S APPROVED ROOFER OR WATERPROOFING CONTRACTOR AND SHALL BE PERFORMED ONLY AFTER LANDLORD HAS GIVEN CONSENT.           |
| 307                  | EXPLODED CEILING ENVELOPE. ROOFING AND WATERPROOFING SHALL IN PART BE CONDITIONED UPON TENANT'S PLANS TO INCLUDE MATERIALS, DETAILS AND FINISHES. CONDUITS, DUCTWORK, PIPING, ETC. PT2 LANDLORD U.N.O. |

- (GYP) GYPSUM BOARD CEILING  
5/8" GYPSUM BOARD AT 24" O.C.  
ATTACHED TO 2X FRAMING. TO BE PAINTED
- ACT CLEANABLE CEILING  
ARMSTRONG KITCHEN ZONE CEILING  
SYSTEM 24"X48" CLEANABLE ACT  
CEILING TILE
- SUSPENDED CEILING GRID  
USG GRIDWARE OPEN CELL  
DECORATIVE SYSTEM, 4'X4'  
OPENINGS IN FLAT BLACK
- 4" RECESSED CAN FIXTURE | L1
- 2'X4' LED TROFFER | L2
- PENDANT LIGHT FIXTURE | L3
- VANITY LIGHT FIXTURE | L4
- PENDANT LIGHT FIXTURE | L5
- PENDANT LIGHT FIXTURE | L6
- 2'X2' LED TROFFER | L7
- \*REF. MEP DRAWINGS FOR ADDITIONAL INFORMATION
- RCP SYMBOLS

**b.uf**  
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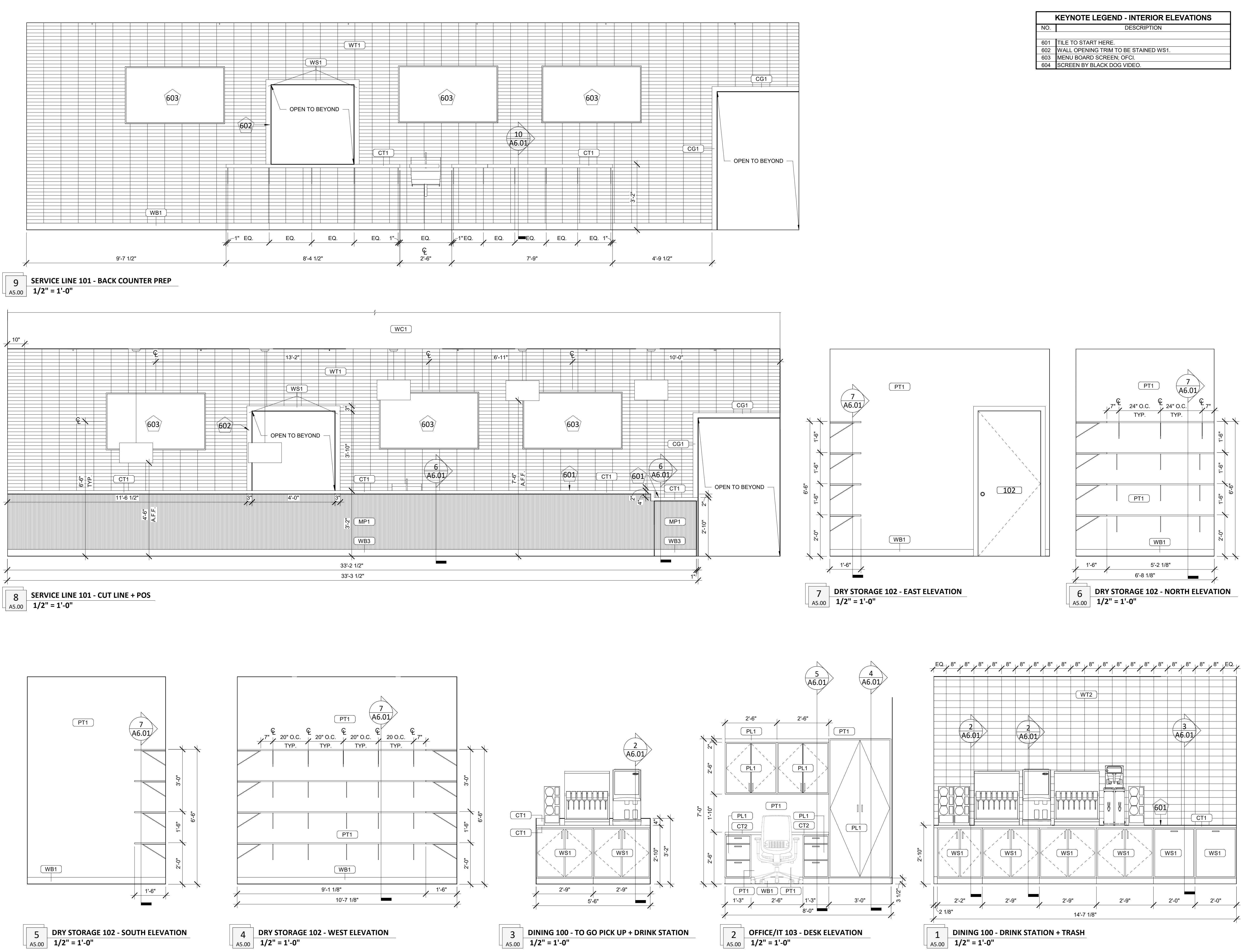
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Drawn By: HG  
Project #: 24136  
Checked By: KB  
Title: REFLECTED CEILING PLAN

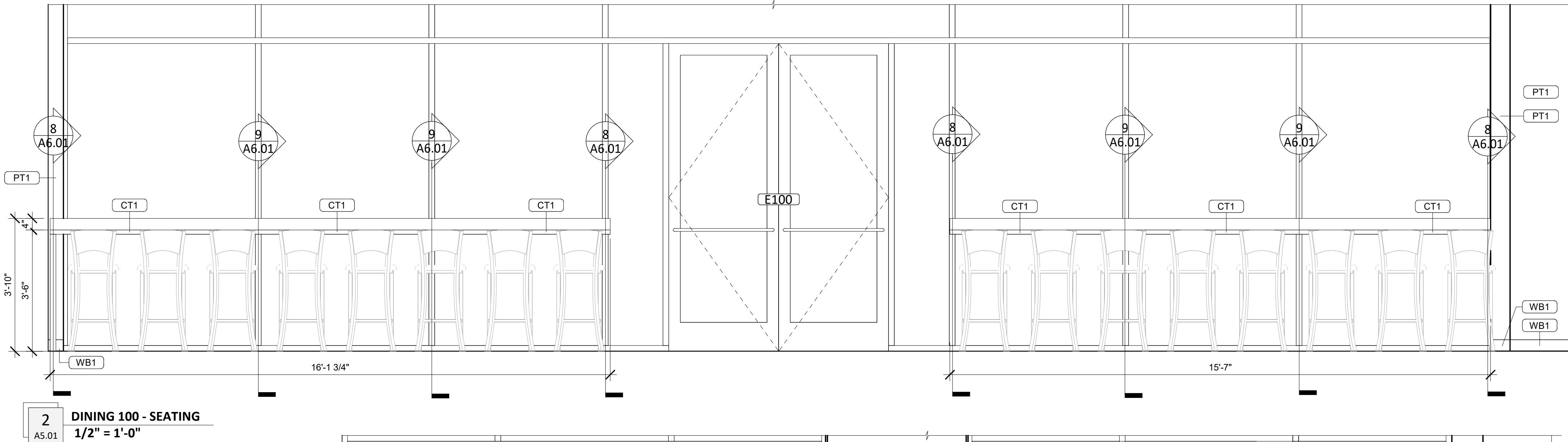
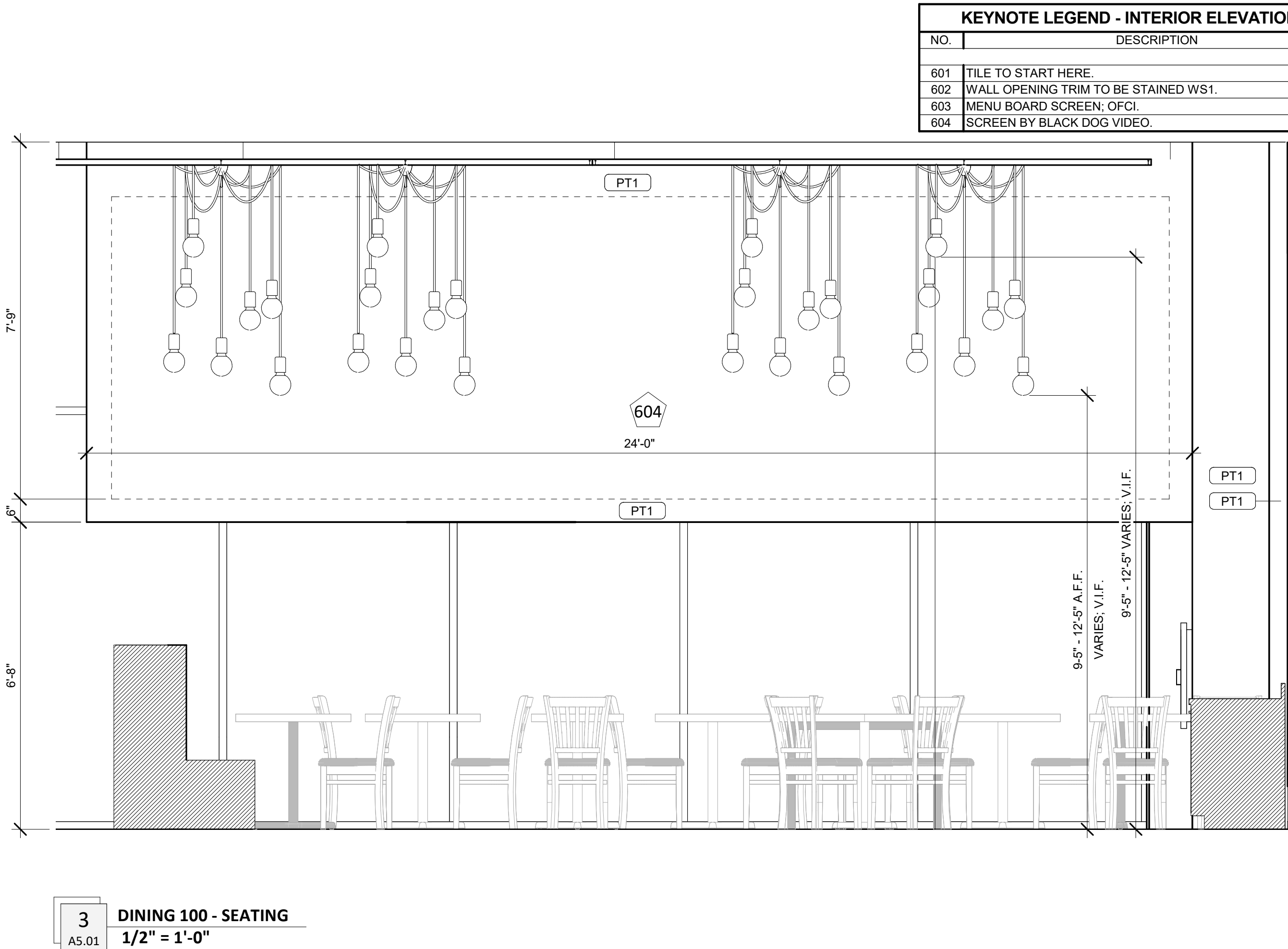
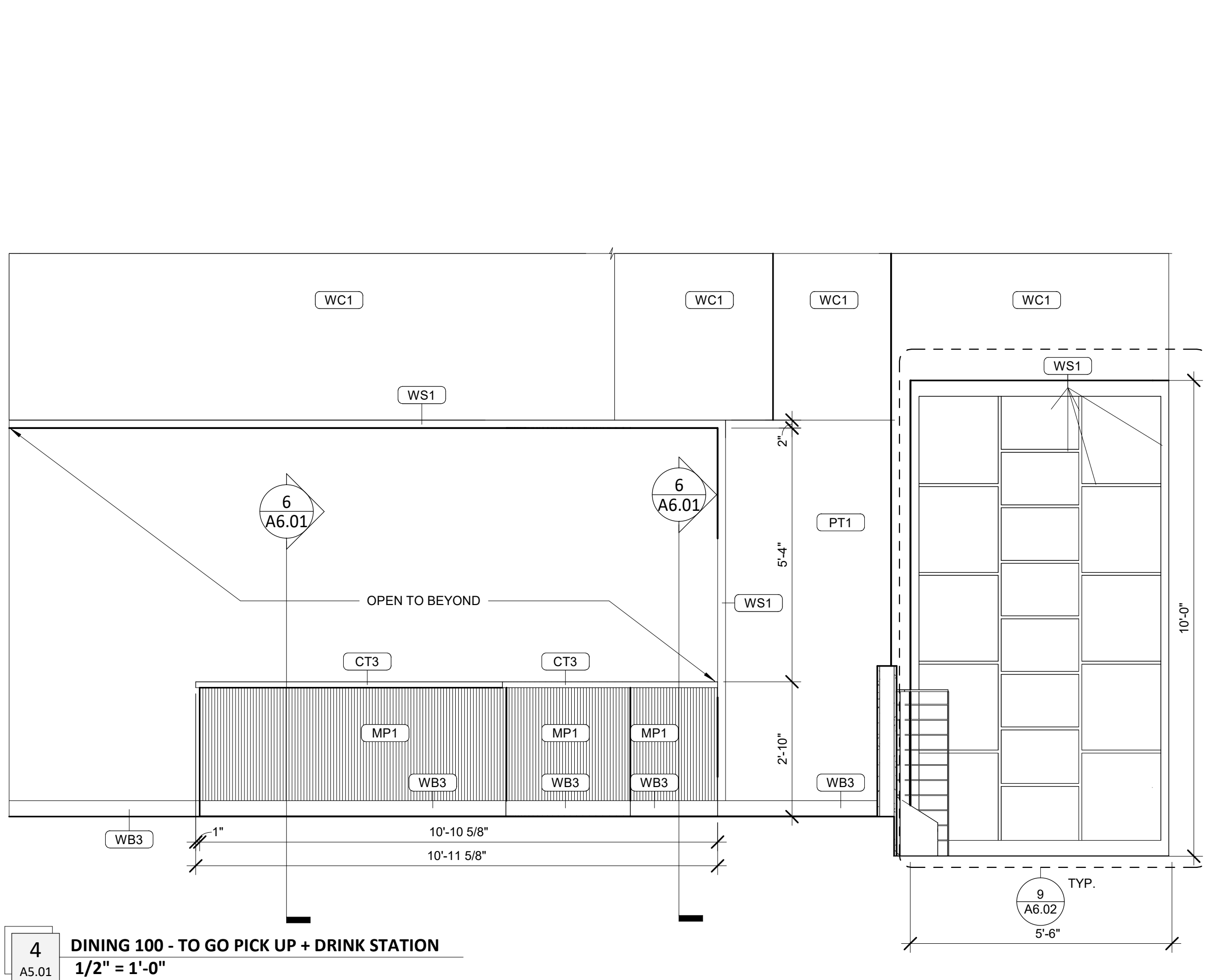
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| KEYNOTE LEGEND - INTERIOR ELEVATIONS |                                      |
|--------------------------------------|--------------------------------------|
| NO.                                  | DESCRIPTION                          |
| 601                                  | TILE TO START HERE.                  |
| 602                                  | WALL OPENING TRIM TO BE STAINED WS1. |
| 603                                  | MENU BOARD SCREEN: OFCI.             |
| 604                                  | SCREEN BY BLACK DOG VIDEO.           |



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|-----|------|-------------|
|-----|------|-------------|

Drawing Size: 24 x 36  
Project #: 24136

Drawn By: HLG  
Checked By: KB

Title:  
INTERIOR ELEVATIONS  
+ DETAILS

Sheet Number:

A5.01

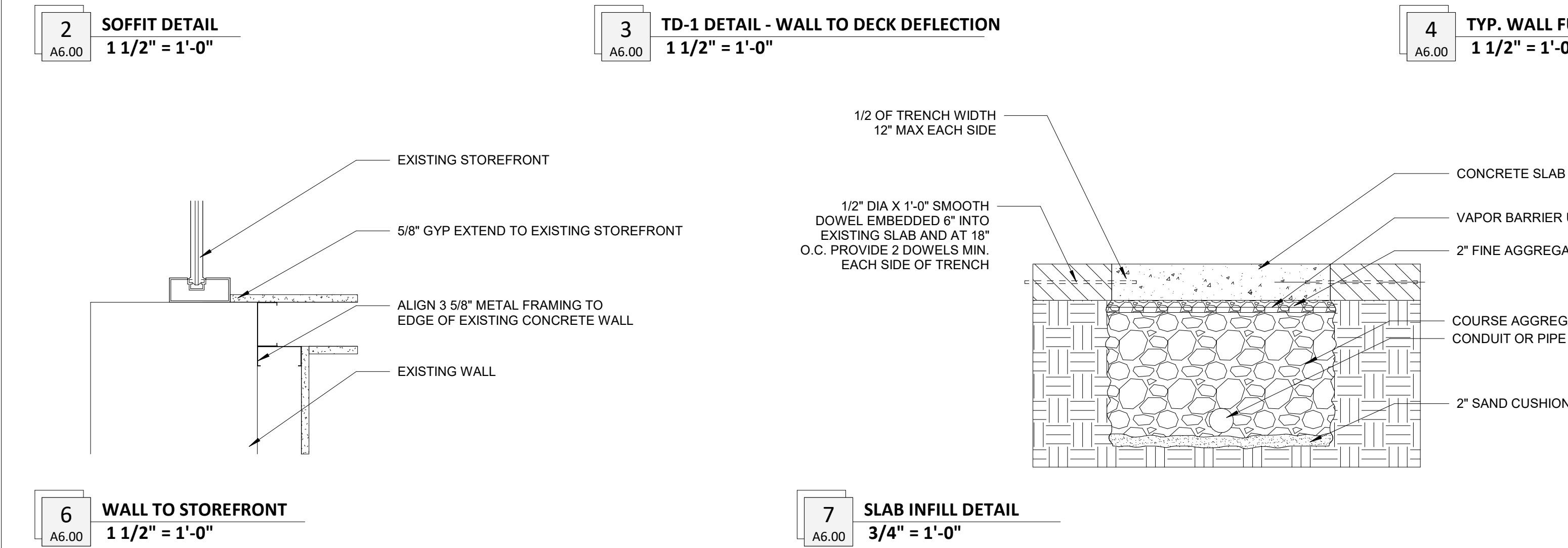
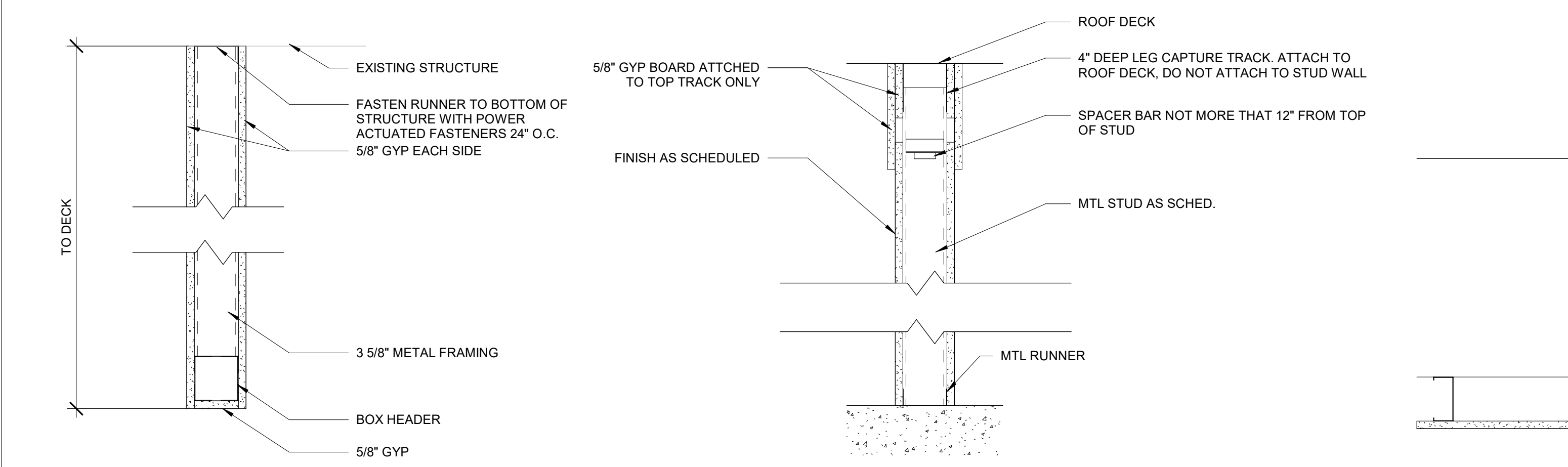
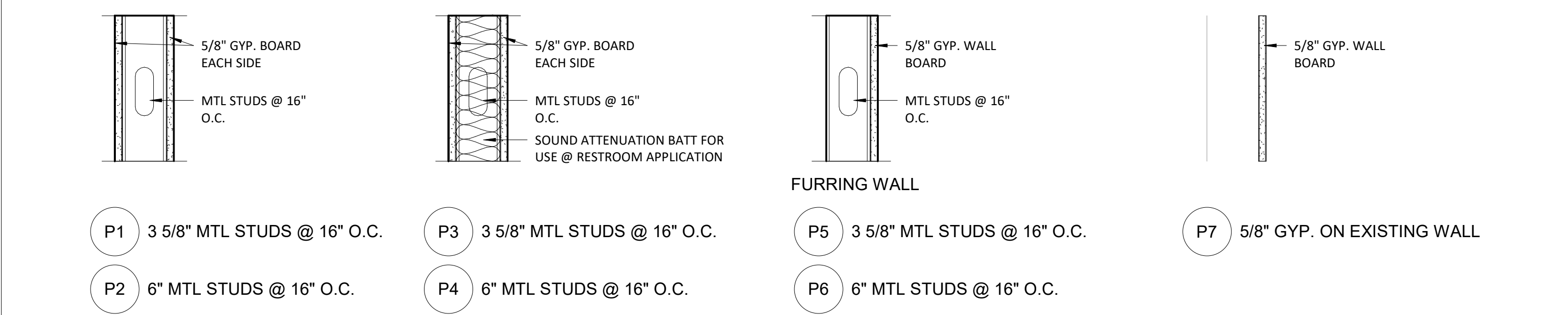
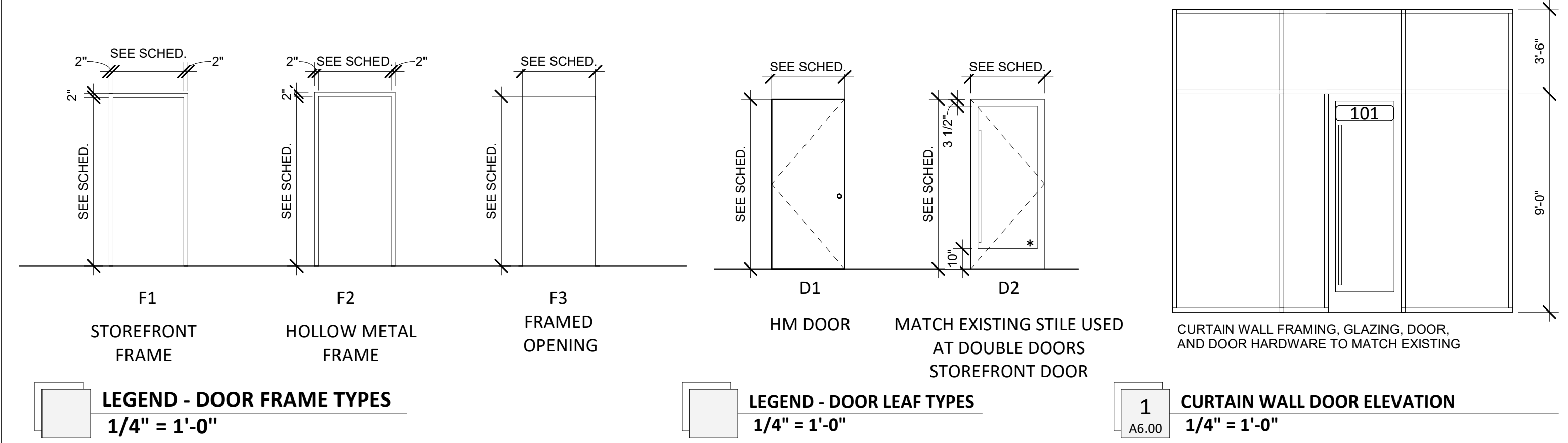
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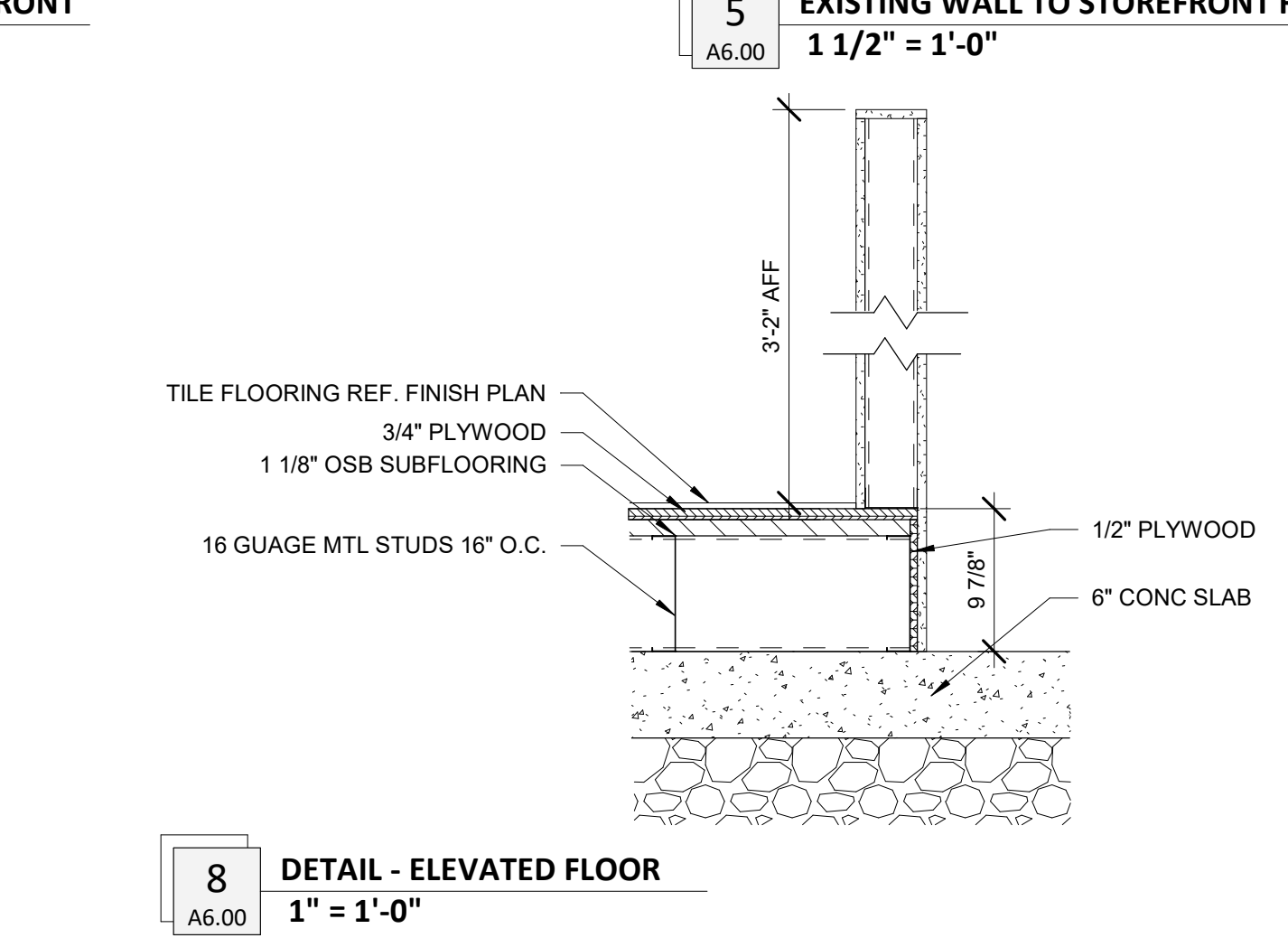
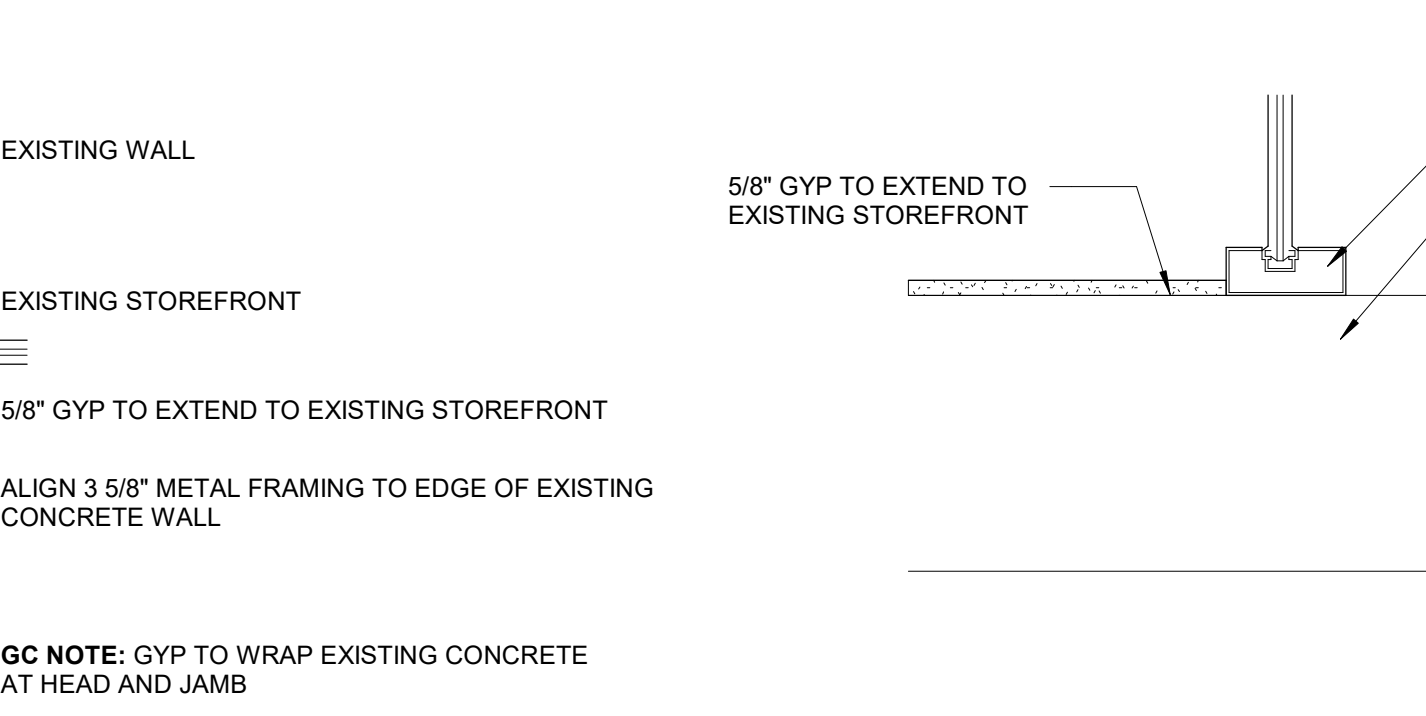
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| DOOR & OPENINGS SCHEDULE |     |       |        |           |           |          |                           |   |                           |           |          |                           |
|--------------------------|-----|-------|--------|-----------|-----------|----------|---------------------------|---|---------------------------|-----------|----------|---------------------------|
| ROOM NAME                | NO. | SIZE  |        | THICKNESS | ELEVATION | MATERIAL | LEAF                      |   | GLAZING                   | ELEVATION | FRAME    |                           |
|                          |     | WIDTH | HEIGHT |           |           |          | FINISH                    |   |                           |           | MATERIAL | FINISH                    |
| DINING                   | 101 | 3'-0" | 9'-0"  |           | D2        | ALUM     | MATCH EXISTING STOREFRONT |   | MATCH EXISTING STOREFRONT | F1        | ALUM     | MATCH EXISTING STOREFRONT |
| DRY STORAGE              | 102 | 3'-0" | 7'-0"  | 1 3/4"    | D1        | HM       | PAINT TO MATCH ADJ. WALL  | - |                           | F2        | HM       | PAINT TO MATCH ADJ. WALL  |
| OFFICE/IT                | 103 | 3'-0" | 7'-0"  | 1 3/4"    | D1        | HM       | PAINT TO MATCH ADJ. WALL  | - |                           | F2        | HM       | PAINT TO MATCH ADJ. WALL  |
| SERVICE LINE             | 104 | 4'-0" | 7'-0"  |           | -         | -        | -                         | - |                           | F3        | HM       | -                         |
| KITCHEN                  | 105 | 3'-0" | 7'-0"  |           | -         | -        | -                         | - |                           | F3        | HM       | -                         |
| UNISEX ADA RESTROOM      | 107 | 3'-0" | 7'-0"  | 1 3/4"    | D1        | HM       | PAINT TO MATCH ADJ. WALL  | - |                           | F2        | HM       | PAINT TO MATCH ADJ. WALL  |
| UNISEX ADA RESTROOM      | 108 | 3'-0" | 7'-0"  | 1 3/4"    | D1        | HM       | PAINT TO MATCH ADJ. WALL  | - |                           | F2        | HM       | PAINT TO MATCH ADJ. WALL  |
| UNISEX RESTROOM          | 109 | 3'-0" | 7'-0"  | 1 3/4"    | D1        | HM       | PAINT TO MATCH ADJ. WALL  | - |                           | F2        | HM       | PAINT TO MATCH ADJ. WALL  |
| STORAGE CLST.            | 110 | 2'-6" | 7'-0"  | 1 3/4"    | D1        | HM       | PAINT TO MATCH ADJ. WALL  | - |                           | F2        | HM       | PAINT TO MATCH ADJ. WALL  |
| STORAGE CLOSET           | 112 | 2'-6" | 7'-0"  | 1 3/4"    | D1        | HM       | PAINT TO MATCH ADJ. WALL  | - |                           | F2        | HM       | PAINT TO MATCH ADJ. WALL  |
| KITCHEN                  | 113 | 3'-4" | 7'-0"  |           | -         | -        | PAINT TO MATCH ADJ. WALL  | - |                           | -         | -        | PAINT TO MATCH ADJ. WALL  |

| GENERAL DOOR SCHEDULE NOTES |   |
|-----------------------------|---|
| 1                           | ALL DOORS SHALL BE 1 3/4" THICK UNLESS OTHERWISE.   |
| 2                           | FOR HEAD, JAMB AND THRESHOLD DETAILS SEE A7 -SERIES DRAWINGS  |
| 3                           | ALL DOORS SHALL HAVE A 3/4" MAXIMUM UNDERCUT UNLESS NOTED OTHERWISE.  |
| 4                           | GROUT SOLID HOLLOW METAL FRAMES OCCURRING IN CONCRETE, PRE-CAST CONCRETE OR MASONRY WALLS.  |
| 5                           | PROVIDE INSULATED GLASS WHERE GLASS IS INDICATED FOR EXTERIOR DOOR LOCATIONS  |
| 6                           | FOR EXTERIOR DOOR MATCH EXISTING FRAMING, GLAZING, DOOR, AND DOOR HARDWARE  |
| 7                           | THE WIDTH OF HOLLOW METAL FRAMES IN CMU PARTITIONS OR WALLS SHALL BE EQUAL TO THE ACTUAL THICKNESS OF THE PARTITION OR WALL PLUS 1/2" ON EACH SIDE. |
| 9                           | VERIFY THICKNESSES OF EXISTING PARTITIONS SCHEDULED TO RECEIVE NEW HOLLOW METAL FRAMES PRIOR TO ORDERING FRAMES.                                    |
| 10                          | PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF JAMBS  |
| 11                          | AT EXTERIOR HOLLOW METAL FRAMES TO RECEIVE GROUT OR MORTAR, COAT INSIDE OF THE FRAME FROM BOTTOM UP TO 30" MINIMUM WITH ASPHALTIC COATING.          |



|   |      |               |                              |
|---|------|---------------|------------------------------|
| *GC TO COORDINATE ADDITIONAL HARDWARE REQUIREMENTS FOR EXIST. SECURITY SYSTEM ON ALL EXTERIOR DOOR APPLICATIONS |      |               |                              |
| <b>Hardware Set: 1</b>  |      |               |                              |
| Doors: INTERIOR PRIVACY (RESTROOM)  |      |               |                              |
| Each Door to Have:  |      |               |                              |
| 1   | EA   | PRIVACY LEVER | VN102 FBL                    |
| 1 1/2   | PAIR | 3.5" HINGES   | S3P1010FRP622                |
| 1   | EA   | STRIKE PLATE  | 84638-514                    |
| 1   | EA   | CLOSER        | 8900 (693 FINISH)            |
| 1   | EA   | DOOR STOP     | WS406/407CCV (BLACK)         |
| 1   | EA   | DOOR SHOE     | 209_V BLACK SUEDE POWDERCOAT |
|   |      |               | SURE-LOC                     |
|   |      |               | SCHLAGE                      |
|   |      |               | KWIKSET                      |
|   |      |               | DORMAKABA                    |
|   |      |               | IVES                         |
|   |      |               | PEMKO                        |
| <b>Hardware Set: 2</b>  |      |               |                              |
| Doors: INTERIOR PASSAGE   |      |               |                              |
| Each Door to Have:  |      |               |                              |
| 1   | EA   | PASSAGE LEVER | VN101 FBL                    |
| 1 1/2   | PAIR | 3.5" HINGES   | S3P1010FRP622                |
| 1   | EA   | STRIKE PLATE  | 84638-514                    |
| 1   | EA   | CLOSER        | 8900 (693 FINISH)            |
| 1   | EA   | DOOR STOP     | WS406/407CCV (BLACK)         |
|   |      |               | SURE-LOC                     |
|   |      |               | SCHLAGE                      |
|   |      |               | KWIKSET                      |
|   |      |               | DORMAKABA                    |
|   |      |               | IVES                         |
| <b>Hardware Set: 3</b>  |      |               |                              |
| Doors: INTERIOR ENTRY (OFFICE/IT)   |      |               |                              |
| Each Door to Have:  |      |               |                              |
| 1   | EA   | ENTRY LEVER   | VN107 FBL                    |
| 1 1/2   | PAIR | 3.5" HINGES   | S3P1010FRP622                |
| 1   | EA   | STRIKE PLATE  | 84638-514                    |
| 1   | EA   | DOOR STOP     | 8900 (693 FINISH)            |
| 1   | EA   | DOOR STOP     | WS406/407CCV (BLACK)         |
|   |      |               | SURE-LOC                     |
|   |      |               | SCHLAGE                      |
|   |      |               | KWIKSET                      |
|   |      |               | DORMAKABA                    |
|   |      |               | IVES                         |



**b·uf**  
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04/11/2025  
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**Architect Number** - 4711  
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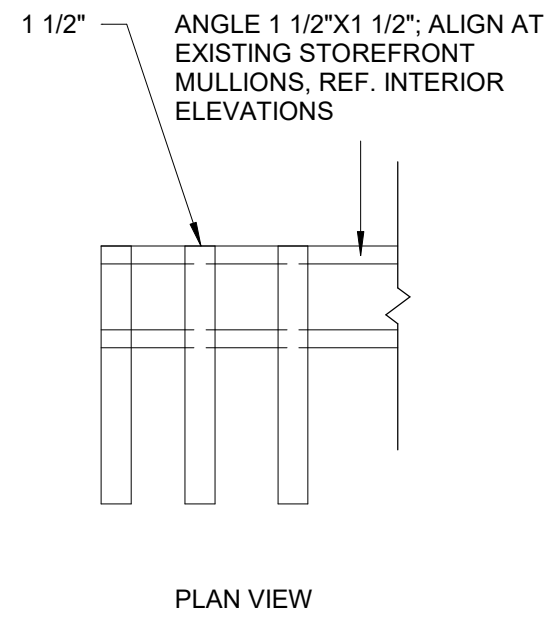
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| Drawn By:<br>MEW         | Checked By:<br>KB   |

Title:  
**DOOR AND OPENING SCHEDULE AND DETAILS**

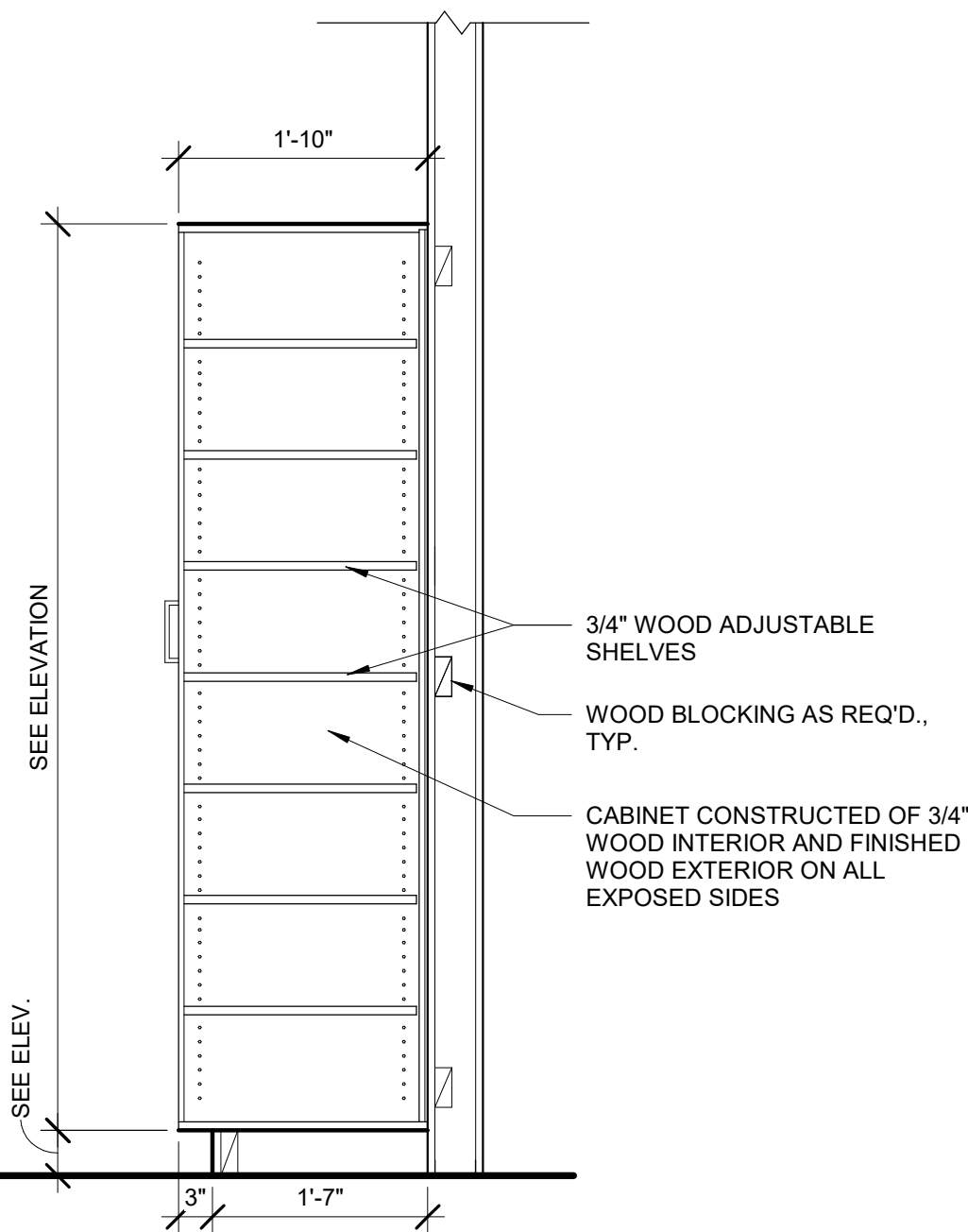
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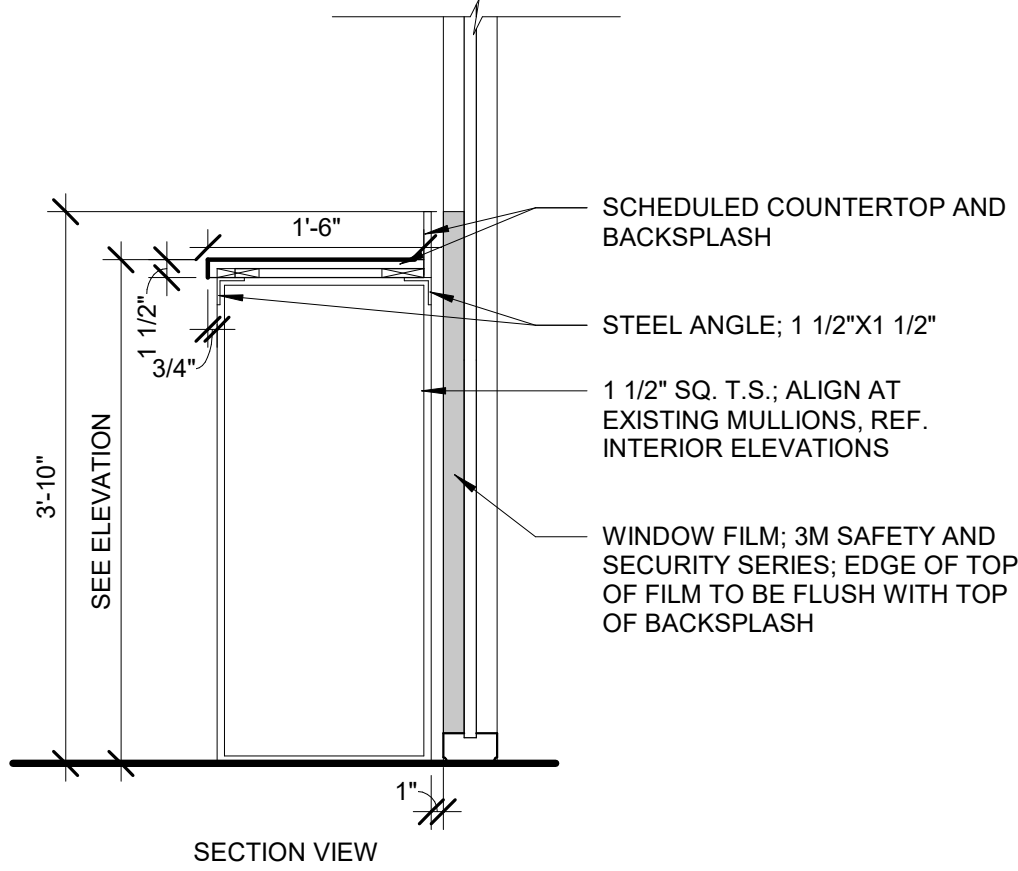
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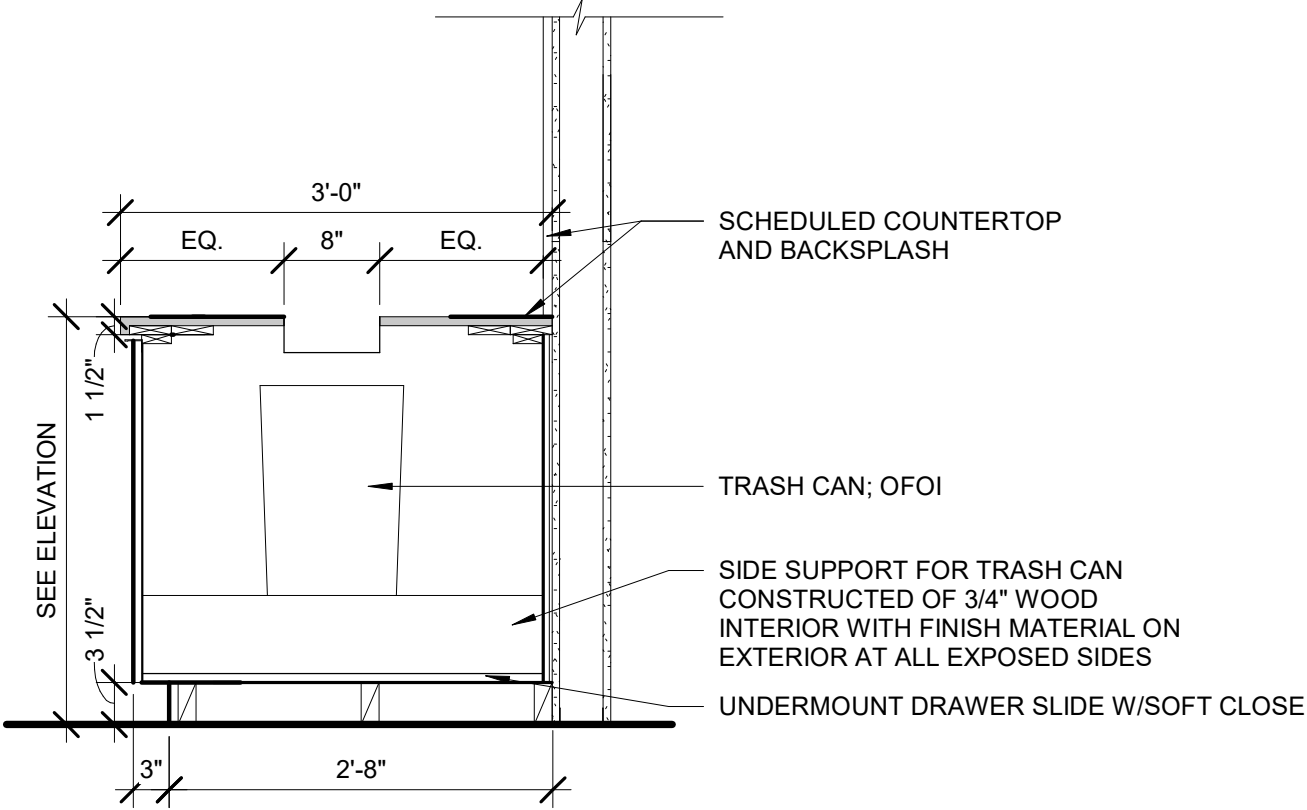
**8 SECTION @ BAR COUNTER**  
3/4" = 1'-0"



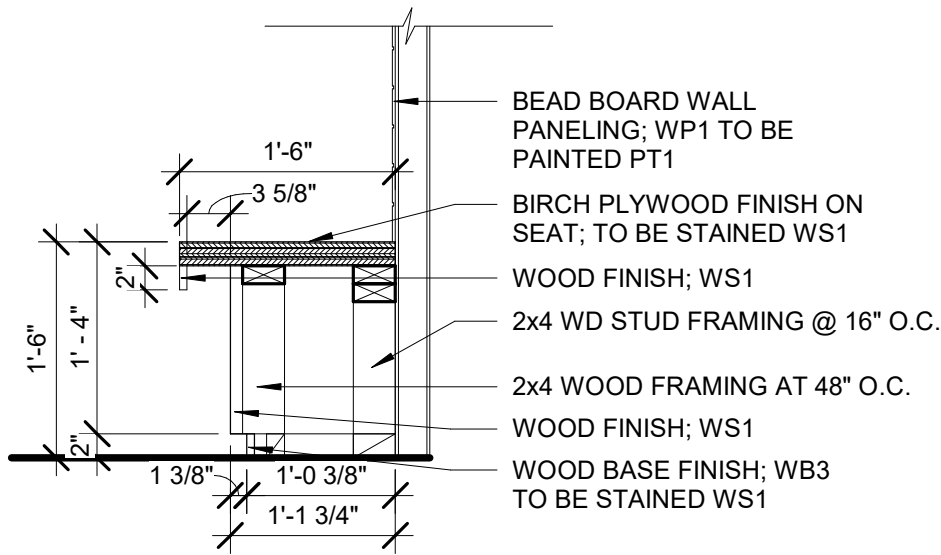
**4 SECTION @ VERTICAL CABINET**  
3/4" = 1'-0"



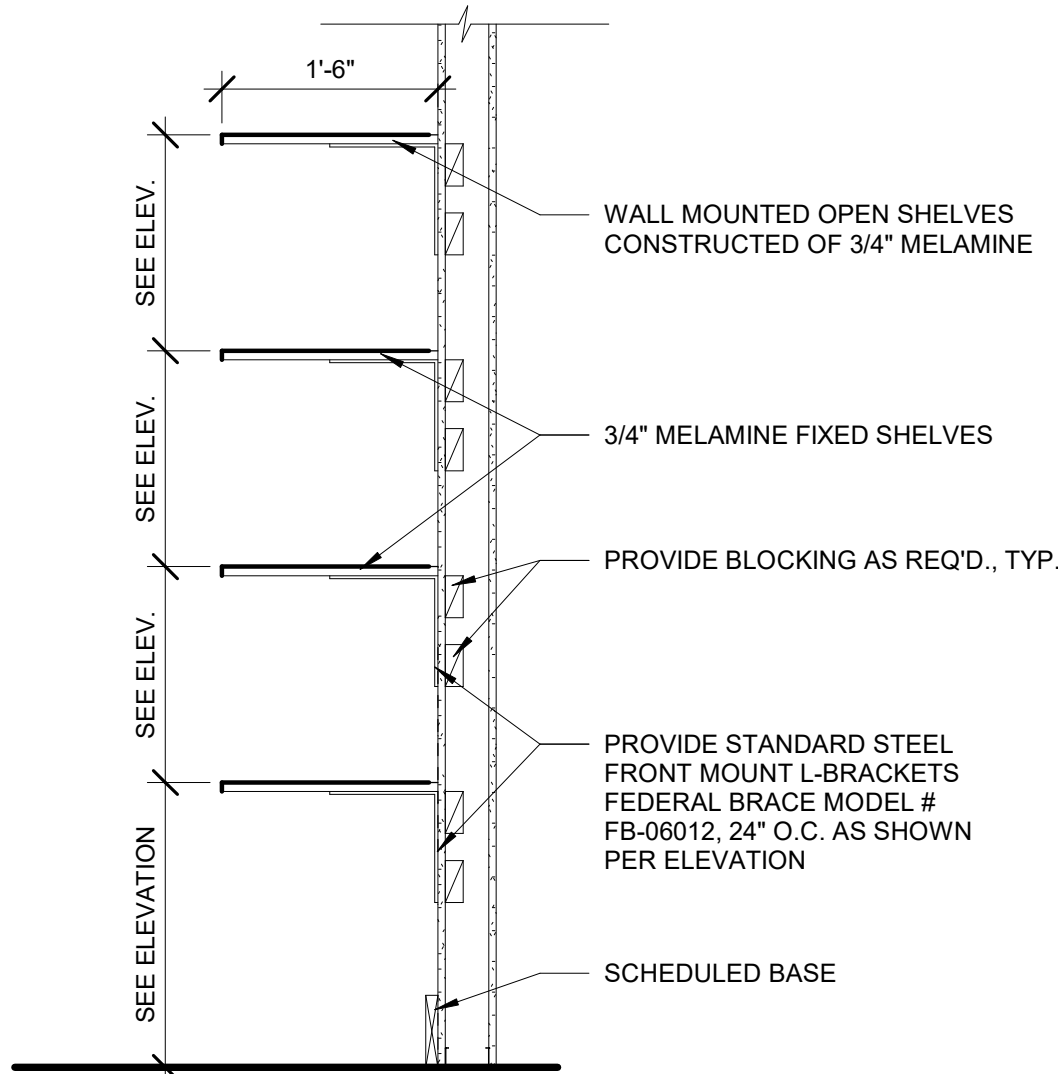
SECTION VIEW



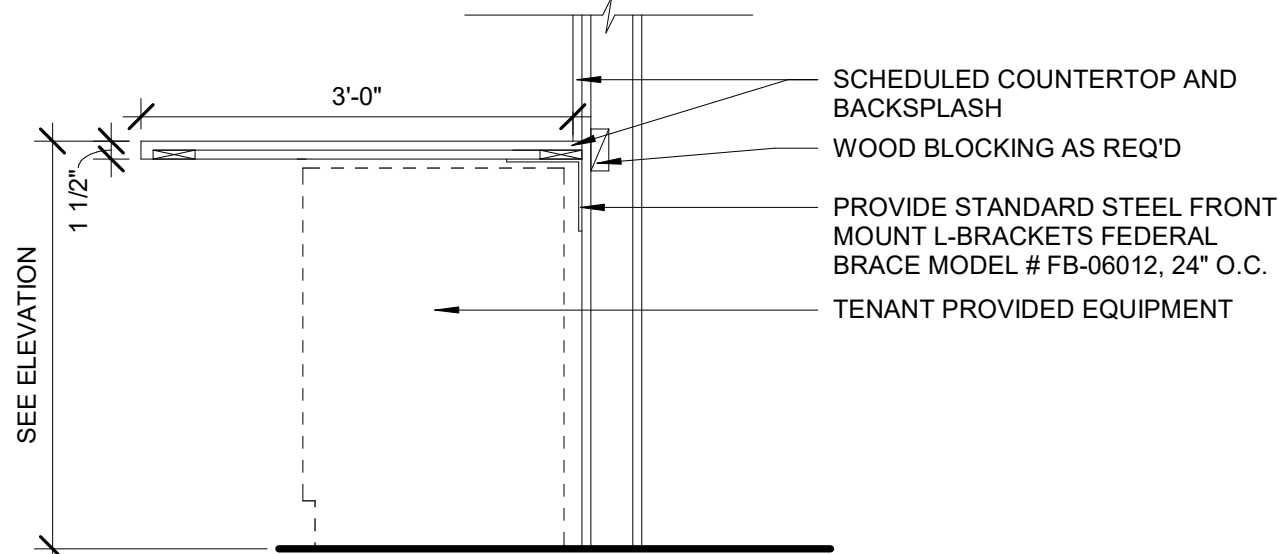
**3 SECTION @ TRASH PULL OUT**  
3/4" = 1'-0"



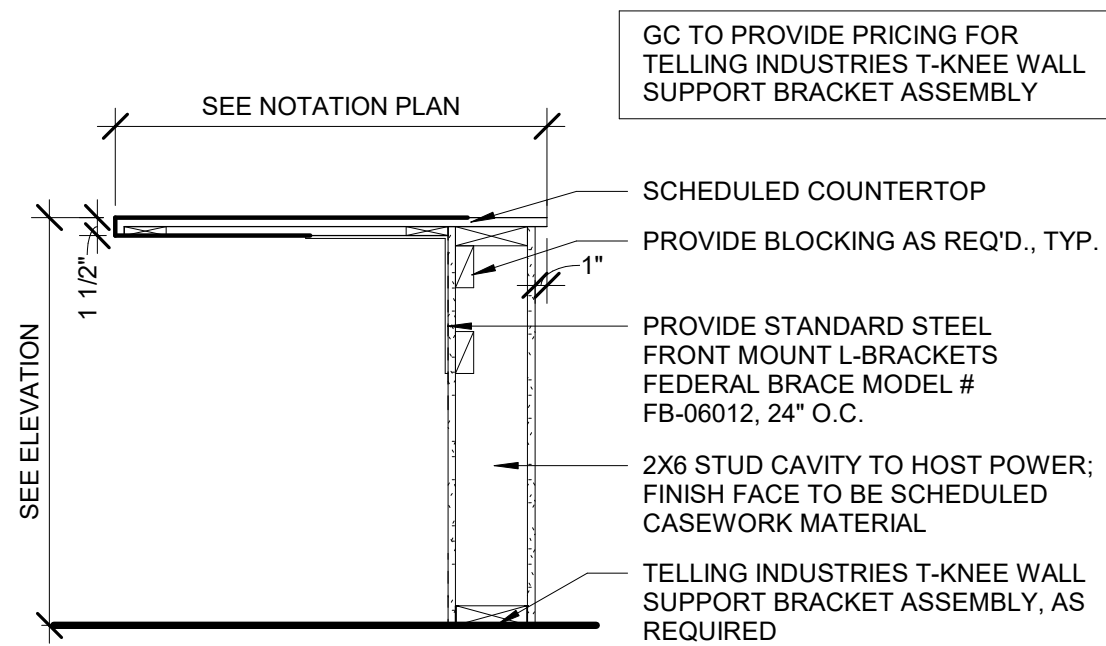
**11 SECTION @ BANQUETTE SEATING**  
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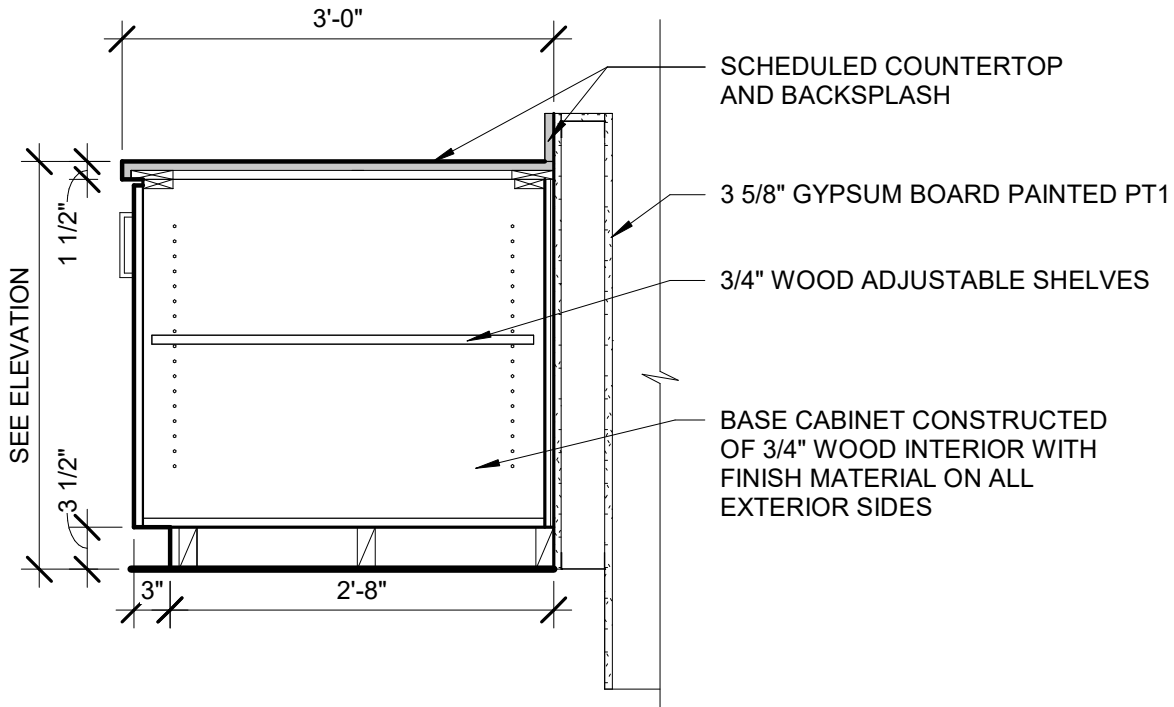
**7 SECTION AT DRY STORAGE SHELVING**  
3/4" = 1'-0"



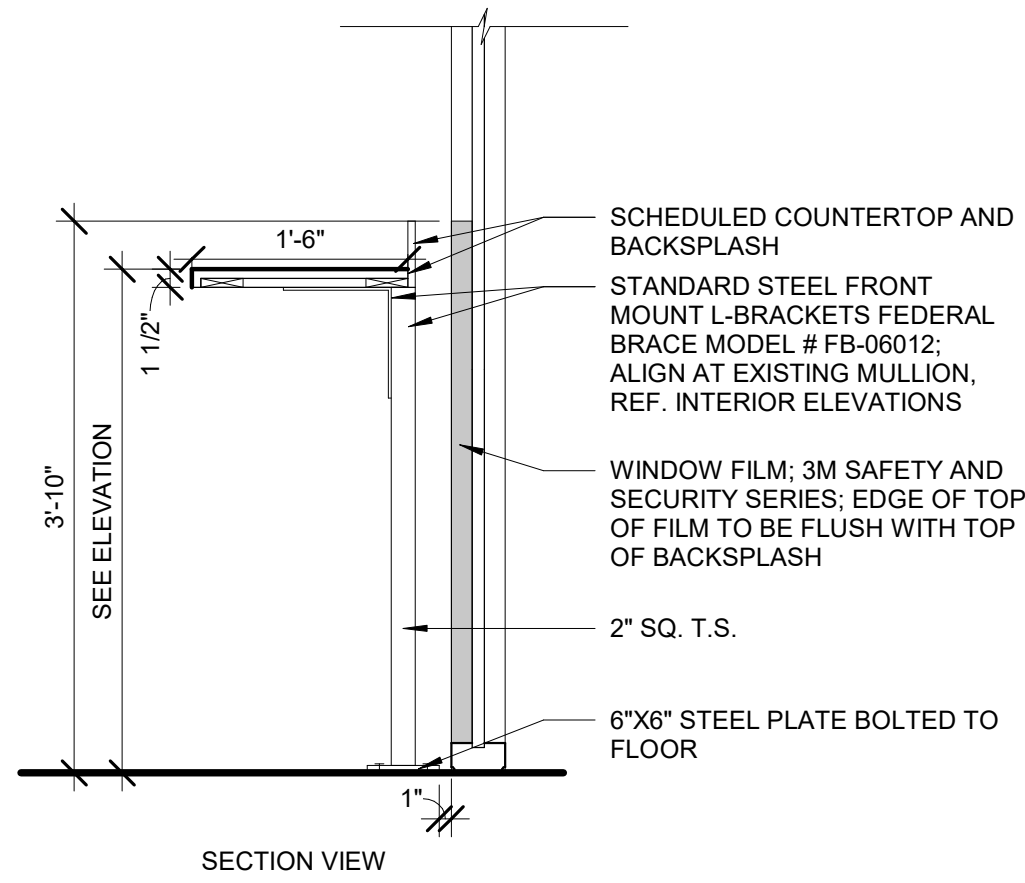
**10 SECTION @ SERVICE LINE PREP COUNTER**  
3/4" = 1'-0"



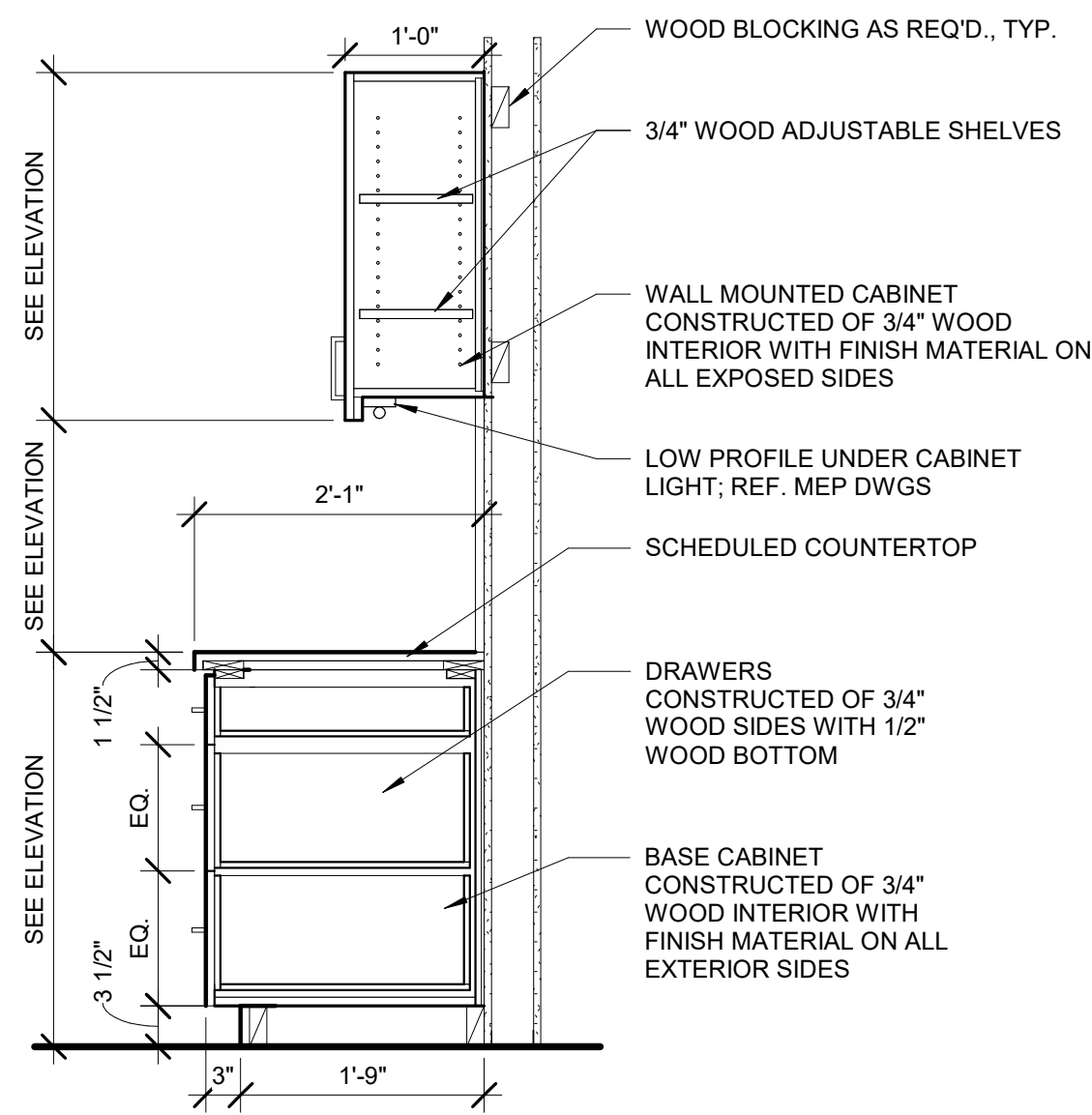
**6 SECTION @ COUNTER**  
3/4" = 1'-0"



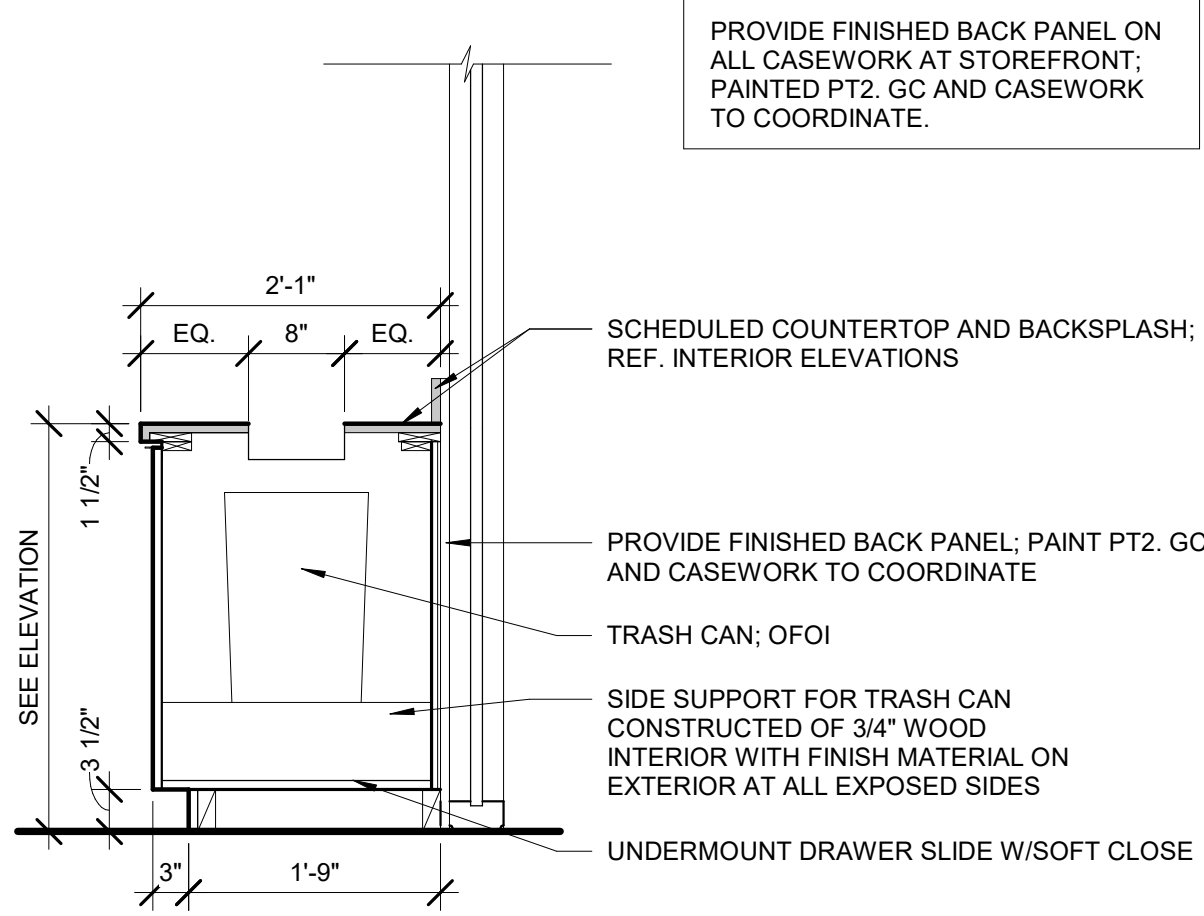
**2 SECTION @ BASE CABINET - DRINK STATION + TRASH**  
3/4" = 1'-0"



**9 SECTION @ BAR COUNTER**  
3/4" = 1'-0"



**5 SECTION @ BASE CABINETS & UPPERS**  
3/4" = 1'-0"



**1 SECTION @ TRASH PULL OUT**  
3/4" = 1'-0"



04/11/2025

Architect Name - RYAN M. FAUST

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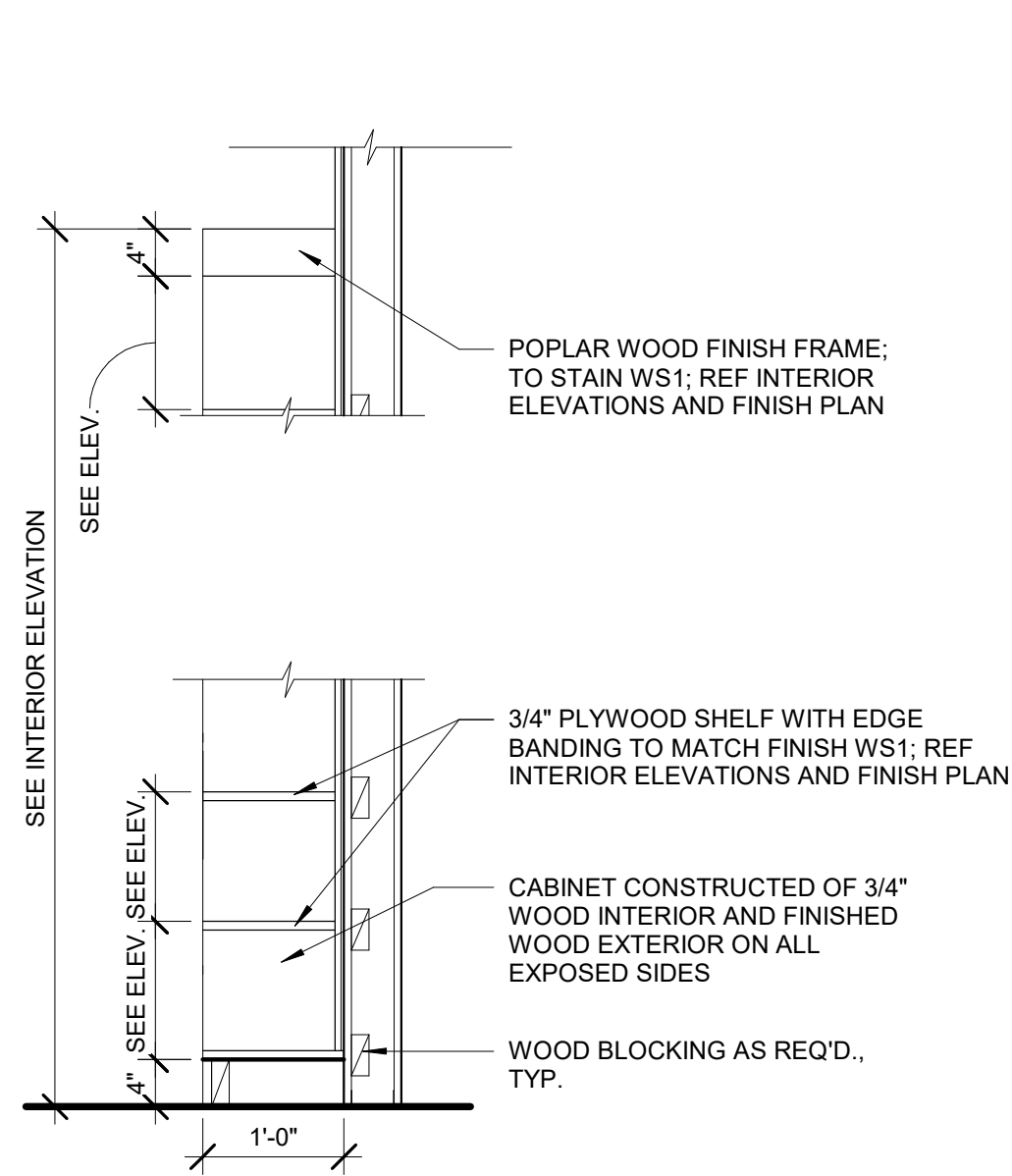
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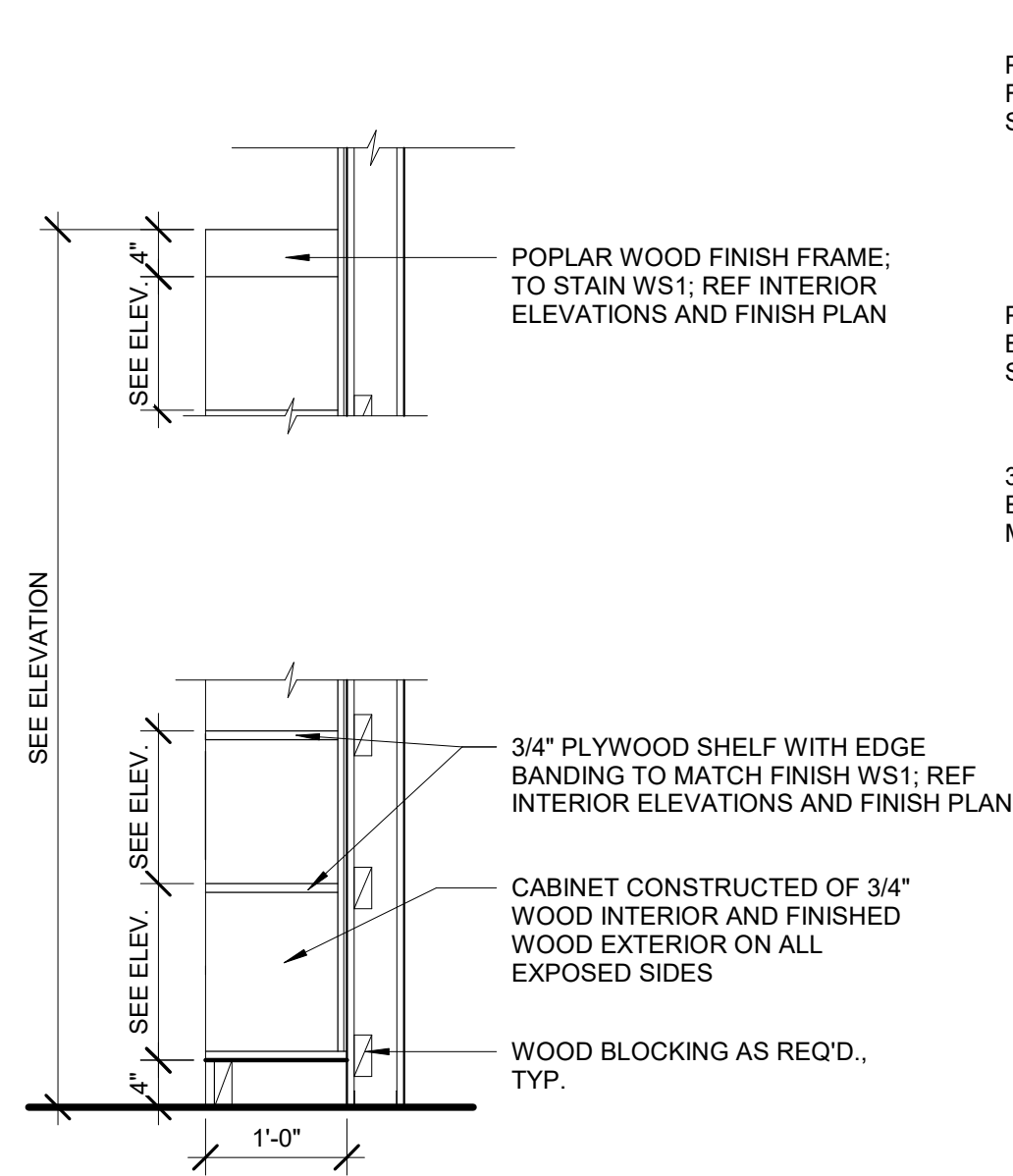
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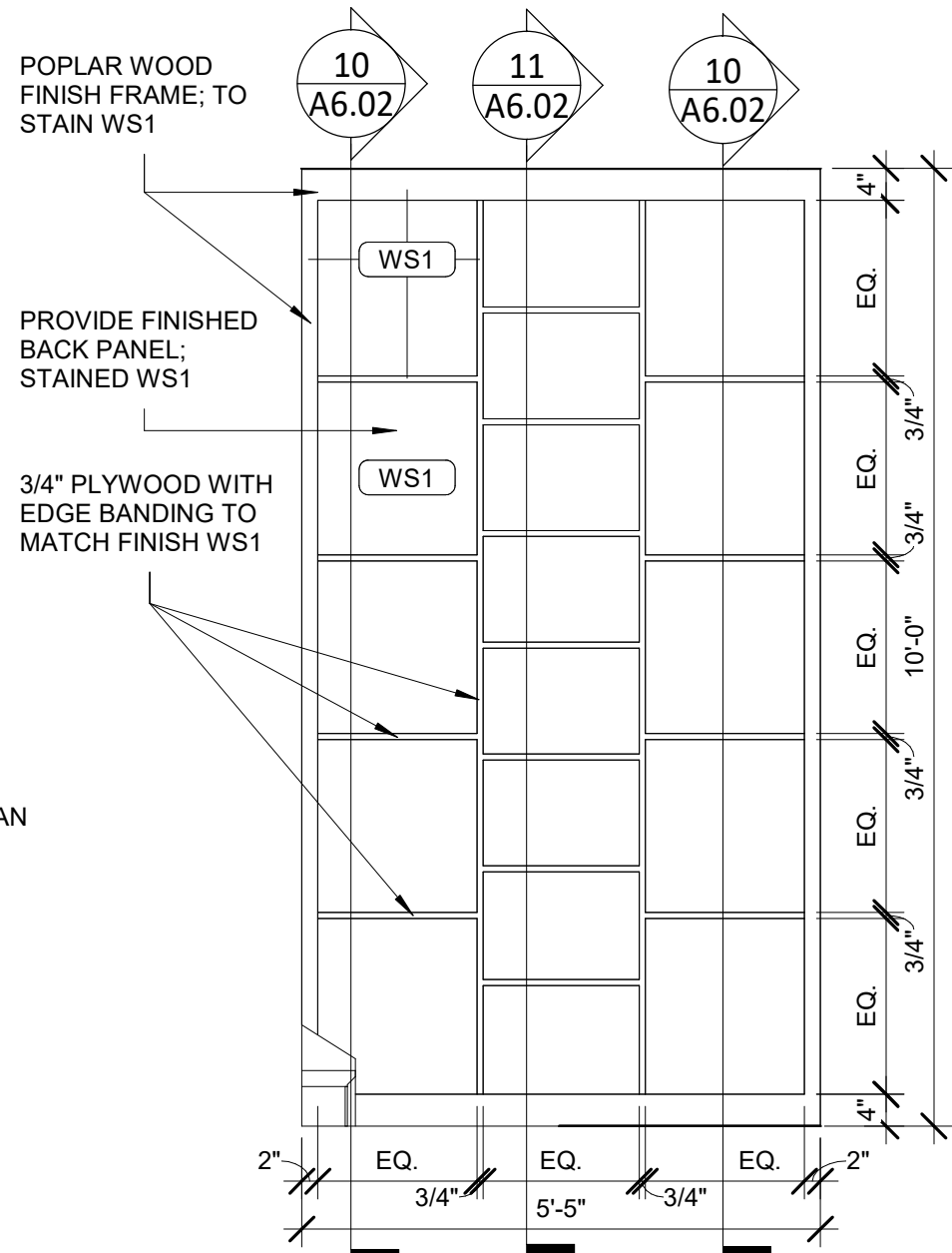
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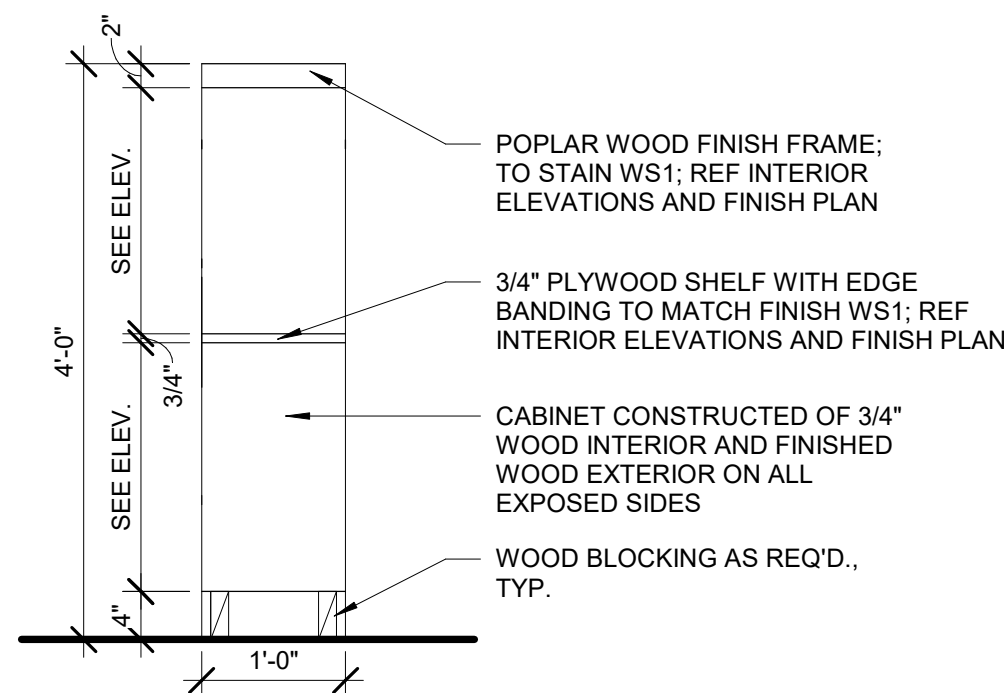
11 CASEWORK DETAIL - STACKED WOOD SHELVING TALL  
3/4" = 1'-0"



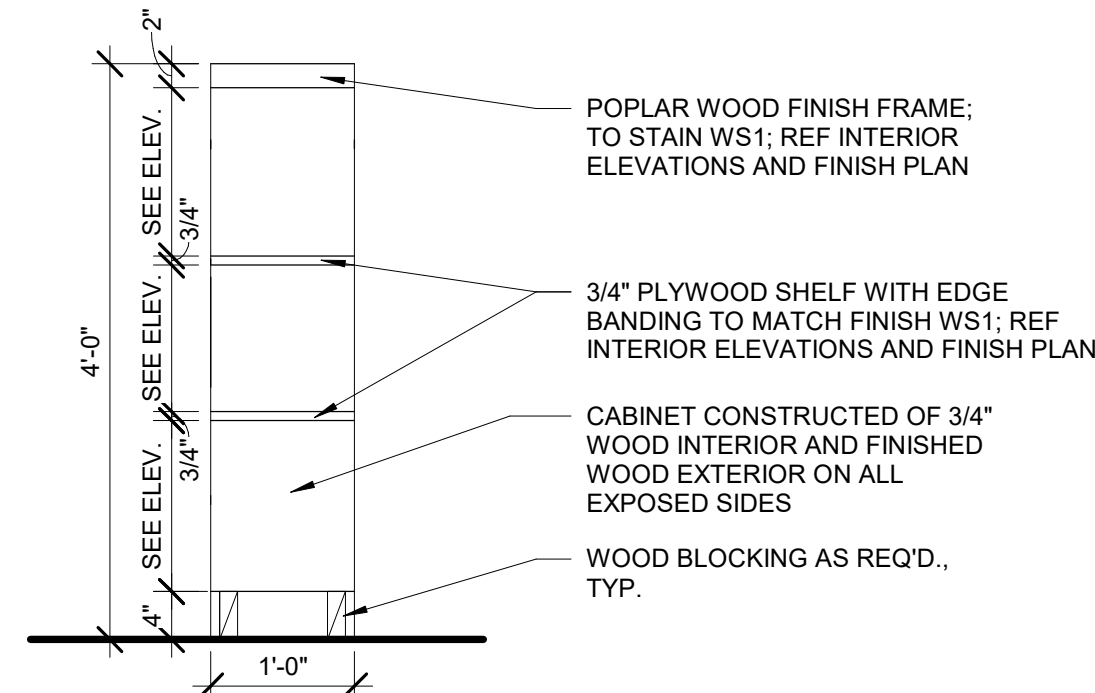
10 CASEWORK DETAIL - STACKED WOOD SHELVING TALL  
3/4" = 1'-0"



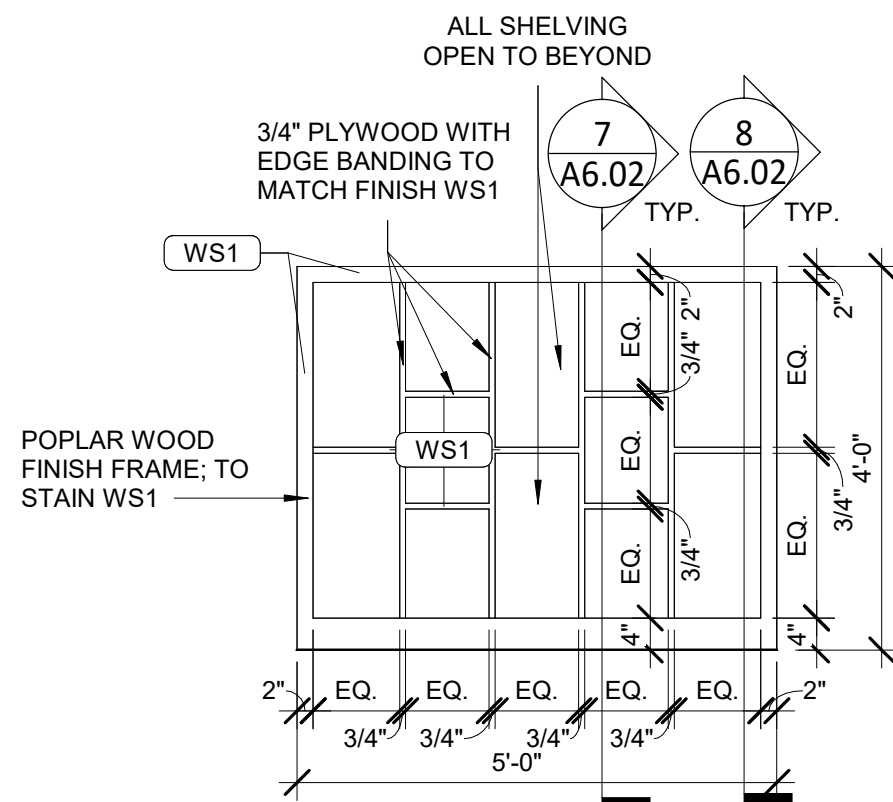
9 ELEVATION DETAIL - STACKED WOOD SHELVING  
1/2" = 1'-0"



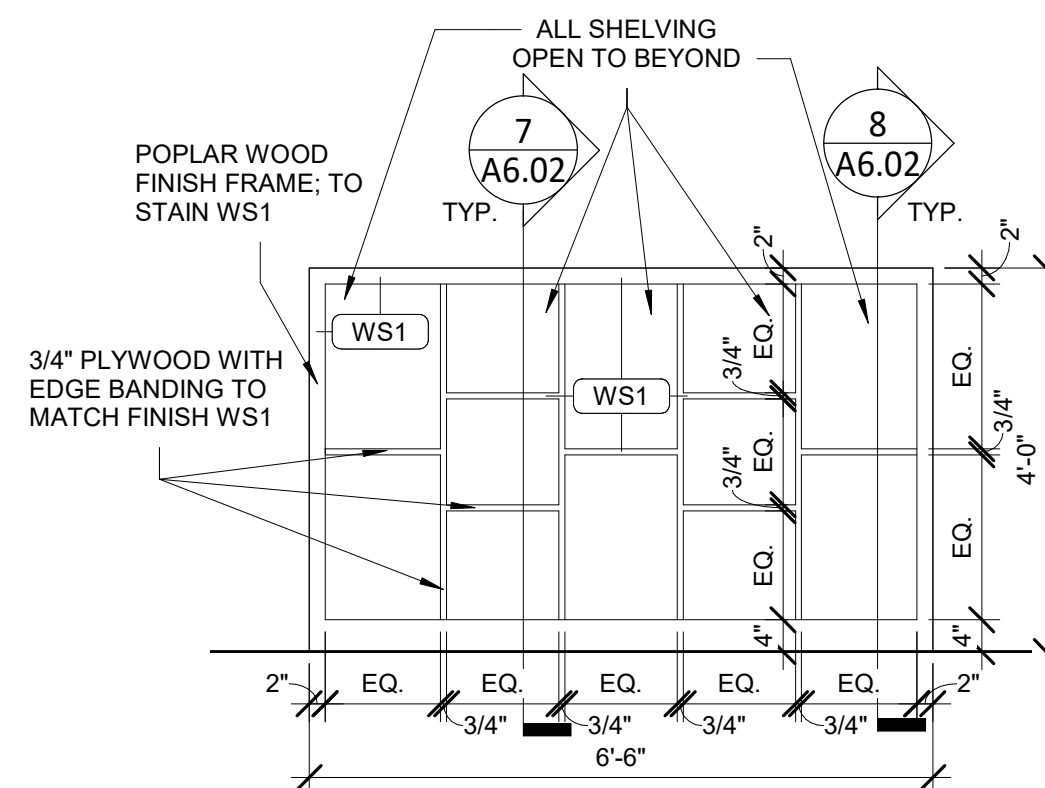
8 CASEWORK DETAIL - STACKED WOOD SHELVING TYPICAL  
3/4" = 1'-0"



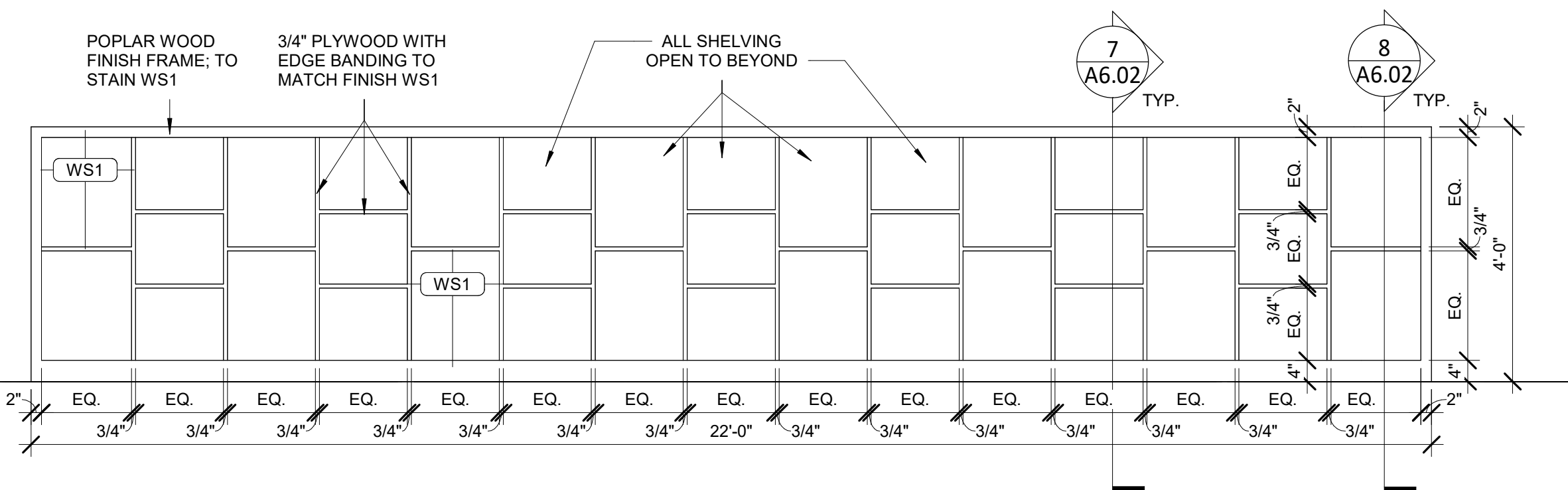
7 CASEWORK DETAIL - STACKED WOOD SHELVING TYPICAL  
3/4" = 1'-0"



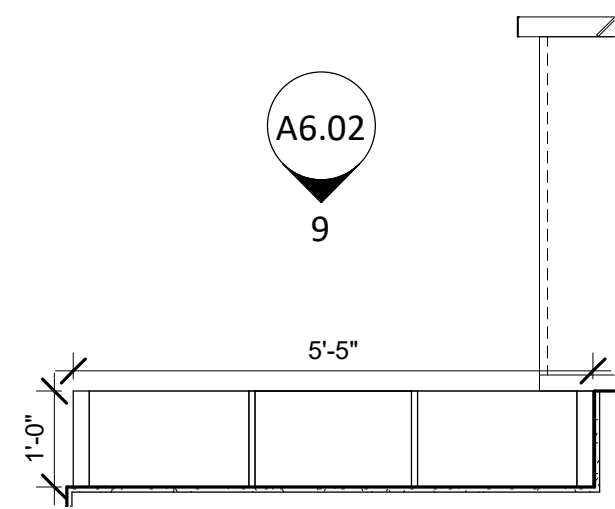
6 ELEVATION DETAIL - STACKED WOOD SHELVING  
1/2" = 1'-0"



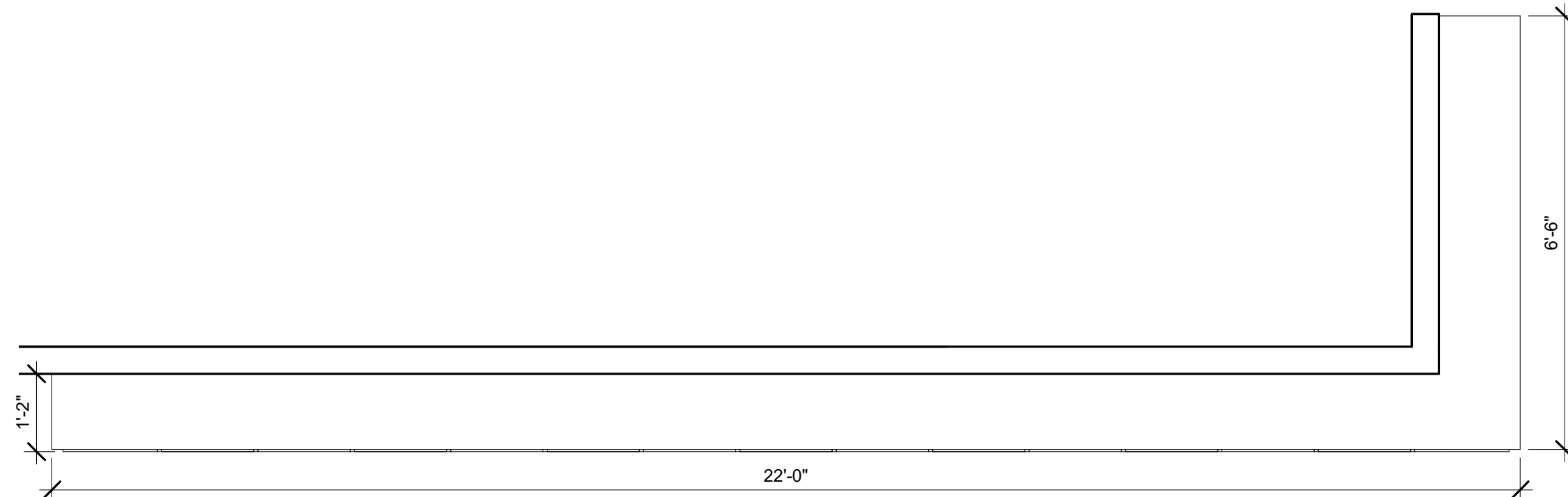
5 ELEVATION DETAIL - STACKED WOOD SHELVING  
1/2" = 1'-0"



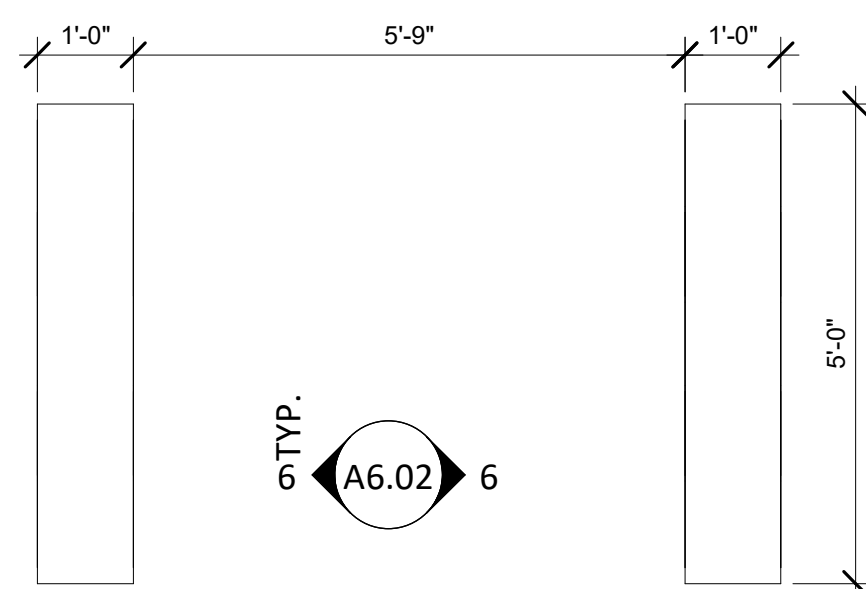
4 ELEVATION DETAIL - STACKED WOOD SHELVING  
1/2" = 1'-0"



3 ENLARGED PLAN - STACKED WOOD SHELVING  
1/2" = 1'-0"



2 ENLARGED PLAN - STACKED WOOD SHELVING  
1/2" = 1'-0"



1 ENLARGED PLAN - STACKED WOOD SHELVING  
1/2" = 1'-0"



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| HG        | KB          |

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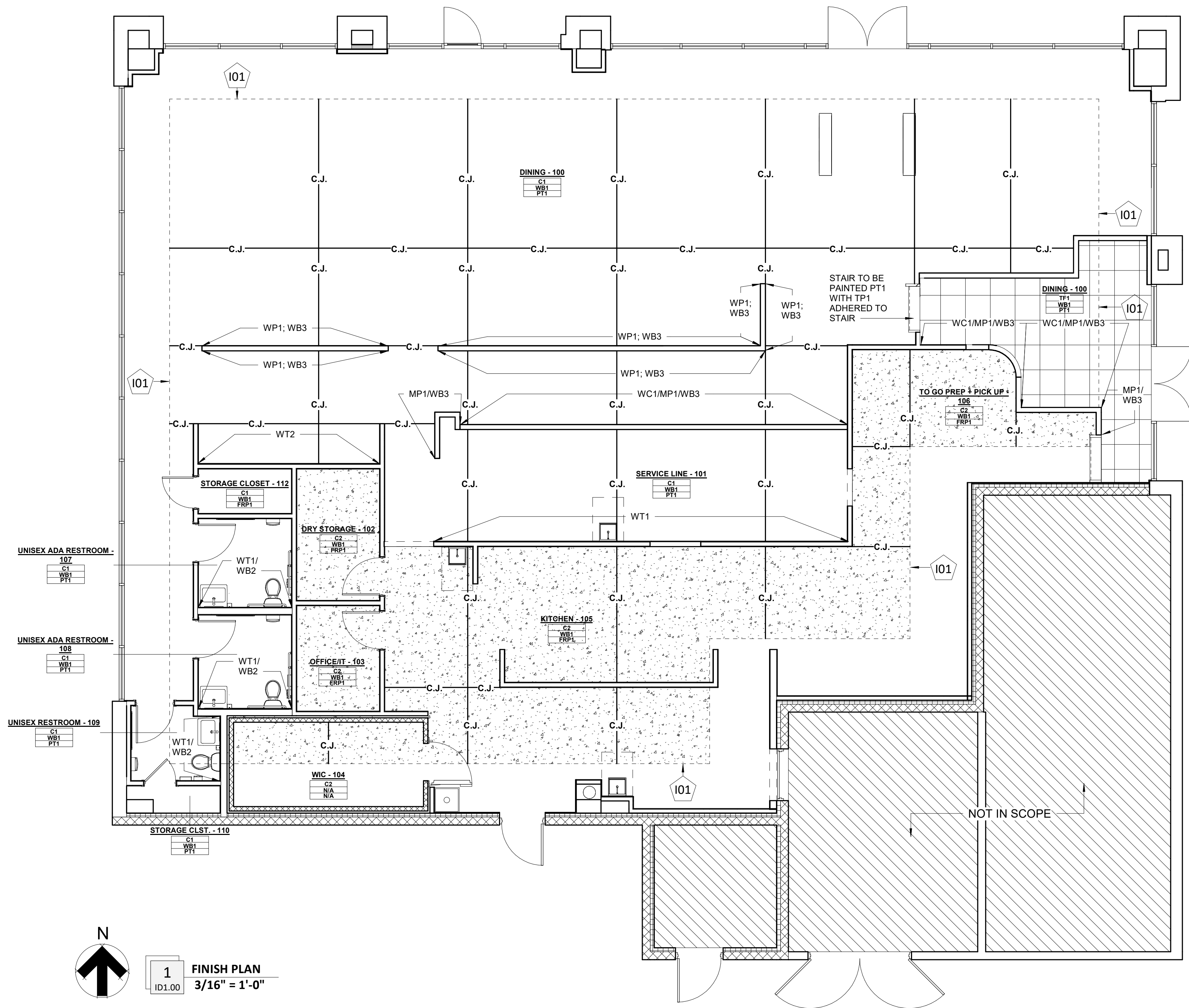
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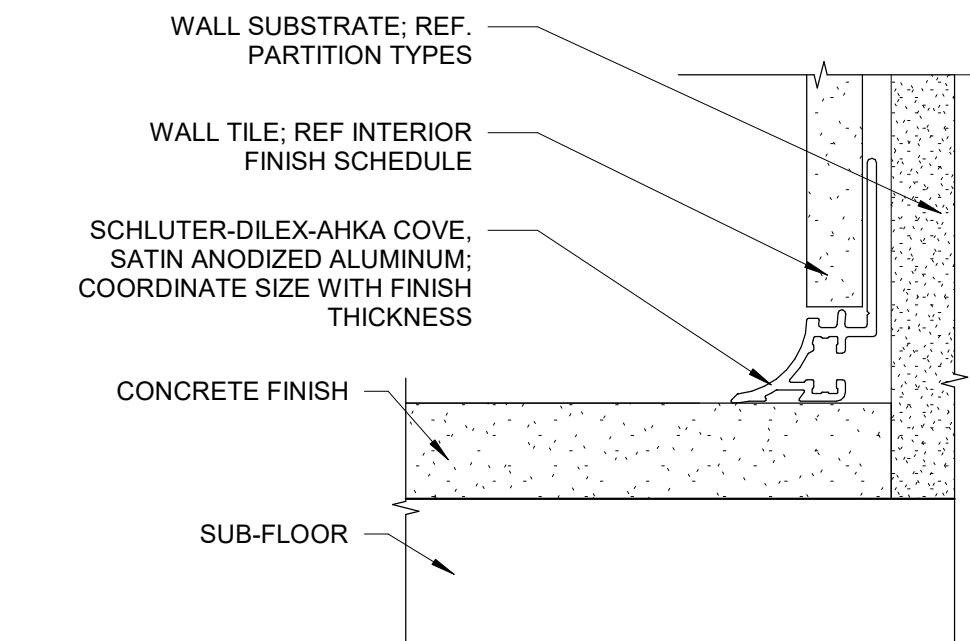


## GENERAL NOTES

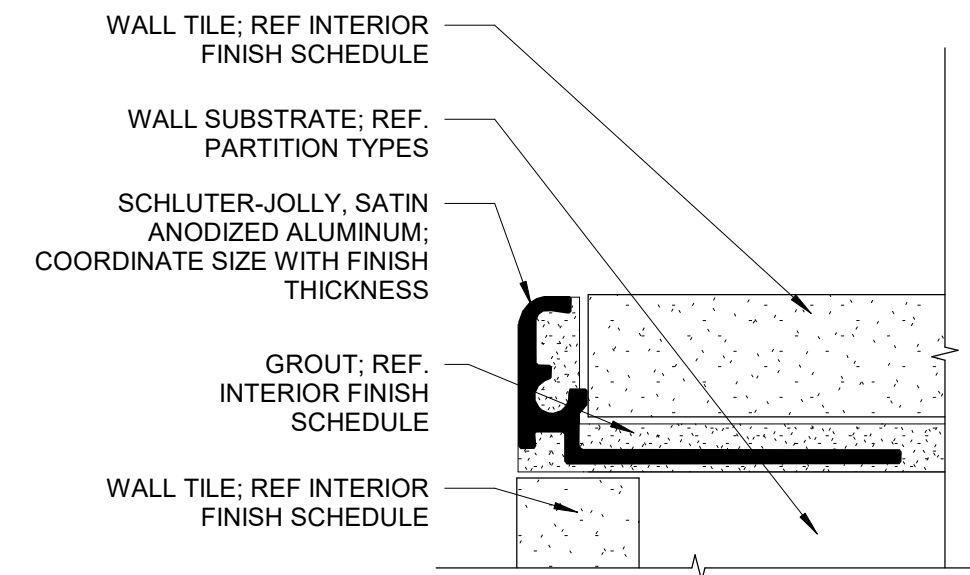
- CONCRETE CONTROL JOINTS
  - PROVIDE CONTROL JOINTS IN ALL INTERIOR CONCRETE SLABS-ON-GRADE TO MINIMIZE RANDOM CRACKING FROM SHRINKAGE AND MOVEMENT. SPACE JOINTS NO MORE THAN 12 FEET APART AND MAINTAIN SLAB PANEL PROPORTIONS CLOSE TO SQUARE (MAXIMUM LENGTH-TO-WIDTH RATIO OF 1.5:1). SAW CUT JOINTS TO A DEPTH OF AT LEAST 1/4 THE SLAB THICKNESS WITHIN 6-12 HOURS AFTER FINISHING; COORDINATE LAYOUT WITH ARCHITECTURAL FEATURES AND SUBMIT FOR REVIEW PRIOR TO PLACEMENT.

## KEYNOTE

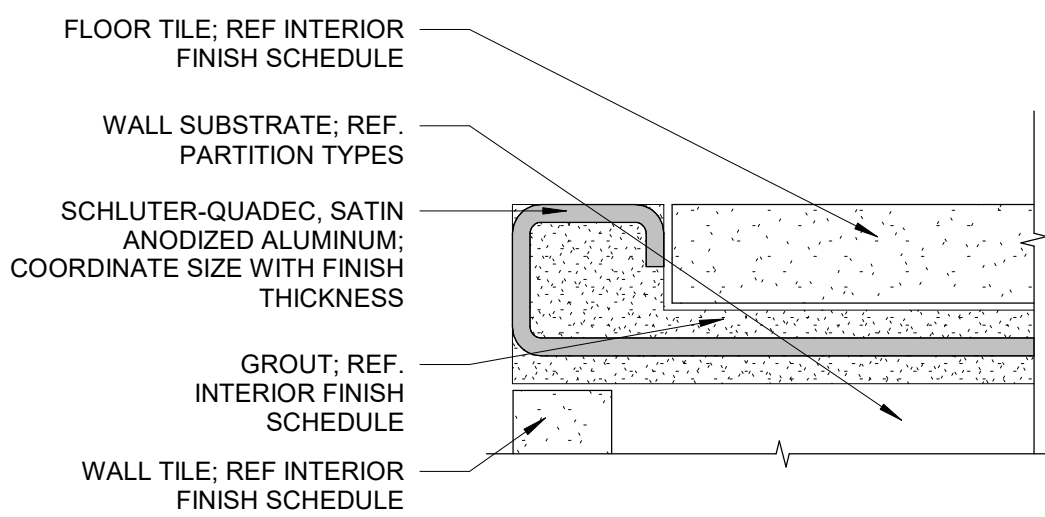
- I01 DASH LINE INDICATES EXISTING CONCRETE FLOOR; FIELD VERIFY EXTENTS.



**2 FLOORING TRANSITION - TYP. WALL TILE TO FLOOR COVE BASE**  
12" = 1'-0"



**3 TYP. WALL TILE TO WALL TILE**  
12" = 1'-0"



**4 TYP. FLOOR TILE TO WALL TILE**  
12" = 1'-0"



| MATERIALS FINISH LEGEND |                                     |                                   |  |                              |                                       |  |                             |
|-------------------------|-------------------------------------|-----------------------------------|--|------------------------------|---------------------------------------|--|-----------------------------|
| MARK                    | MATERIAL                            | MANUFACTURER                      | STYLE  | COLOR                        | SIZE                                  | REMARKS  | CONTACT                     |
| COUNTERTOP              |                                     |                                   |  |                              |                                       |  |                             |
| CT1                     | COUNTERTOP                          | CORIAN                            | QUARTZ   | TAHITIAN SAND                | 2CM                                   |  | HOLLIE BAYLES 952.944.1676  |
| CT2                     | COUNTERTOP                          | CORIAN                            | QUARTZ   | DOVE GREY                    | 2CM                                   |  | HOLLIE BAYLES 952.944.1676  |
| CT3                     | COUNTERTOP                          | STAINLESS SUPPLY                  | CUSTOM   | STAINLESS STEEL              | CUSTOM                                | LOCATION: TO GO/PICK UP COUNTER                            |                             |
| FLOORING                |                                     |                                   |  |                              |                                       |  |                             |
| C1                      | SEALED CONCRETE                     | CLASS C: MEDIUM EXPOSED AGGREGATE | LEVEL 3 POLISHED CONCRETE; CLASS C: MEDIUM EXPOSED AGGREGATE |                              |                                       | FINISHED WITH EP1 COATING                                  |                             |
| C2                      | SEALED CONCRETE                     |                                   | TROWEL/FLOAT FINISH  |                              |                                       | FINISHED WITH EP1 COATING                                  |                             |
| EP1                     | EPOXY ANTI-SLIP SEALANT             | SLIP-DOCTOR                       | STONE GRIP CLEAR   |                              |                                       | INSTALLED ON ALL CONCRETE SURFACES AT INTERIOR OF BUILDING |                             |
| TF1                     | TILE FLOOR                          | TILE BAR                          | STORIES  | BLACK                        | 24"x24"                               | LOCATION: DINING - 100; REF. FINISH PLAN                   | LISA PERKOWSKI 512.422.1364 |
| GROUT                   |                                     |                                   |  |                              |                                       |  |                             |
| GR1                     | GROUT                               | LATICRETE                         |  | 89 SMOKE GREY                | 1/8"                                  | COORDINATE APPLICATION WITH WT1 AND WT2                    | GYWN NOLAND 214.537.8973    |
| GR2                     | GROUT                               | LATICRETE                         |  | 22 MIDNIGHT BLACK            | 1/8"                                  | COORDINATE APPLICATION WITH WT3 AND TF1                    | GYWN NOLAND 214.537.8973    |
| PAINT                   |                                     |                                   |  |                              |                                       |  |                             |
| PT1                     | INTERIOR WALL PAINT                 | BENJAMIN MOORE                    | EGGSHELL   | OC-130 CLOUD WHITE           |                                       |  | BRANDY BECERRA 405.219.9225 |
| PT2                     | INTERIOR WALL PAINT                 | BENJAMIN MOORE                    | EGGSHELL   | 2135-10 BLACKTOP             |                                       |  | BRANDY BECERRA 405.219.9225 |
| PLASTIC LAMINATE        |                                     |                                   |  |                              |                                       |  |                             |
| PL1                     | PLASTIC LAMINATE                    | FORMICA                           | FENIX  | GRIGIO ARAGONA               |                                       |  | KATE DUNNAVANT 501.258.5347 |
| SAFETY STAIR TREAD TAPE |                                     |                                   |  |                              |                                       |  |                             |
| TP1                     | STAIR TREAD TAPE                    | ULINE                             | ANTI-SLIP TAPE   | WHITE                        | COORDINATE SIZE WITH STAIR TREAD SIZE | LOCATION: AT ELEVATED FLOOR STAIR TREAD                    |                             |
| TILE                    |                                     |                                   |  |                              |                                       |  |                             |
| WT1                     | WALL TILE                           | TILE BAR                          | CHANCE   | WHITE                        | 2"x10"                                | LOCATION: WALL TILE  | LISA PERKOWSKI 512.422.1364 |
| WT2                     | WALL TILE                           | TILE BAR                          | VECTOR REVERB  | HUESO                        | 4"x8"                                 | LOCATION: WALL TILE  | LISA PERKOWSKI 512.422.1364 |
| WT3                     | WALL TILE                           | TILE BAR                          | PRINTS   | ANTRACITE                    | 24"x48"                               | LOCATION: RESTROOMS  | LISA PERKOWSKI 512.422.1364 |
| WT4                     | WALL TILE TRIM                      | SCHLUTER                          | JOLLY-AE   | SATIN ANODIZED ALUMINUM (AE) | COORDINATE SIZE WITH FINISH THICKNESS | REF. INTERIOR ELEVATIONS                                   | GYWN NOLAND 214.537.8973    |
| WT5                     | WALL TILE TRIM                      | SCHLUTER                          | QUADEC-AE  | SATIN ANODIZED ALUMINUM (AE) | COORDINATE SIZE WITH FINISH THICKNESS |  | GYWN NOLAND 214.537.8973    |
| WALL                    |                                     |                                   |  |                              |                                       |  |                             |
| FRP1                    | FIBERGLASS REINFORCED PLASTIC PANEL | MARLITE                           | SMOOTH S 100G; CLASS A                                       | WHITE                        | 4'X10'                                |  |                             |
| CG1                     | CORNER GUARD                        | MARLITE                           |  | ANODIZED ALUMINUM            |                                       |  |                             |
| MP1                     | METAL PANEL                         |                                   | CORRUGATED   |                              |                                       | TO BE OWNER SELECTED; CFCI                                 |                             |
| WC1                     | WALL COVERING                       | NATIONAL                          | CUSTOM   | CUSTOM                       | CUSTOM                                | TO BE OWNER SELECTED; CFCI                                 | LINKO 501.271.2133          |
| WP1                     | BEAD BOARD WALL PANEL               |                                   |  | PAINT PT1                    |                                       | LOCATION: BUILT-IN BANQUETTES; GROOVES TO RUN HORIZONTALLY |                             |
| WALL BASE               |                                     |                                   |  |                              |                                       |  |                             |
| WB1                     | VINYL WALL BASE                     | JOHNSONITE                        | MILLWORK MANDALAY  | 40 BLACK                     | 4.5"                                  |  | GYWN NOLAND 214.537.8973    |
| WB2                     | TILE BASE                           | SCHLUTER                          | DILEX-AHKA   | SATIN ANODIZED ALUMINUM (AE) | COORDINATE SIZE WITH FINISH THICKNESS |  | GYWN NOLAND 214.537.8973    |
| WB3                     | WOOD TRIM WALL BASE                 |                                   | POPLAR; STAINED  | STAIN WS1                    | 4"                                    | LOCATION: DINING - 100; REF. FINISH PLAN                   |                             |
| WOOD STAIN              |                                     |                                   |  |                              |                                       |  |                             |
| WS1                     | INTERIOR WOOD STAIN                 | OLD MASTERS                       |  | DARK WALNUT                  |                                       | FINISH WITH MINIMUM 2 COATS OF POLY-URETHANE AS REQUIRED   | BRANDY BECERRA 405.219.9225 |

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04/11/2025

**Architect Name** - RYAN M. FAUST

**Architect Number** - 4711

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| <b>Drawn By:</b><br>HG          | <b>Checked By:</b><br>KB   |

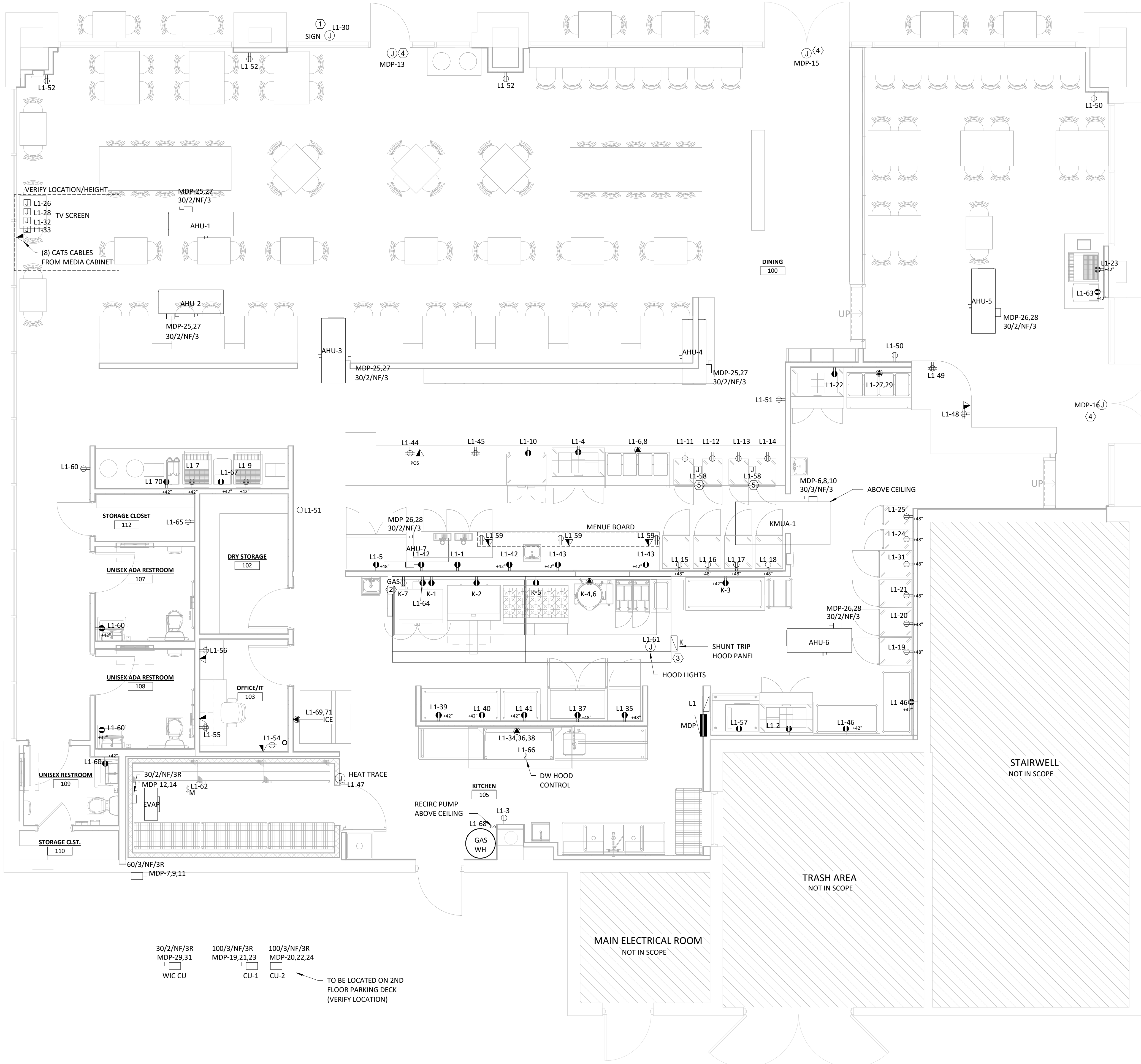
**Title:**

## MATERIAL FINISH LEGEND

Sheet Number:

## ID1.01

ISSUE DATE: 04/11/2025



| EQUIPMENT SCHEDULE |                            |              |         |
|--------------------|----------------------------|--------------|---------|
| #                  | EQUIPMENT                  | NEMA         | PNL-CKT |
| E-002              | CONVECTION OVEN, GAS       | 5-15P        | K-1     |
| E-002              | CONVECTION OVEN, GAS       | 5-15P        | L1-64   |
| E-004              | REFRIGERATED BASE          | 5-15P        | K-2     |
| E-007              | GAS RANGE                  | N/A          | K-5     |
| E-008              | SANDWICH/SALAD PREP REFRIG | 5-15P        | L1-22   |
| E-008              | SANDWICH/SALAD PREP REFRIG | 5-15P        | L1-2    |
| E-008              | SANDWICH/SALAD PREP REFRIG | 5-15P        | L1-4    |
| E-009              | STEAM KETTLE               | DIRECT WIRED | K-4,6   |
| E-011              | DRAFT BEER COOLER          | 5-15P        | L1-1    |
| E-012              | FRIG MERCHANDISER          | 5-15P        | L1-5    |
| E-014              | STEAM TABLE                |              | L1-6,8  |
| E-025              | UC FRIG                    | 5-15P        | L1-10   |
| E-027              | HEATED LOW TEMP CABINET    | 5-15P        | L1-24   |
| E-027              | HEATED LOW TEMP CABINET    | 5-15P        | L1-25   |
| E-027              | HEATED LOW TEMP CABINET    | 5-15P        | L1-14   |
| E-027              | HEATED LOW TEMP CABINET    | 5-15P        | L1-13   |
| E-027              | HEATED LOW TEMP CABINET    | 5-15P        | L1-12   |
| E-027              | HEATED LOW TEMP CABINET    | 5-15P        | L1-11   |
| E-028              | HEATED HOLDING CABINET     | 5-20P        | L1-21   |
| E-028              | HEATED HOLDING CABINET     | 5-20P        | L1-20   |
| E-028              | HEATED HOLDING CABINET     | 5-20P        | L1-19   |
| E-028              | HEATED HOLDING CABINET     | 5-20P        | L1-15   |
| E-028              | HEATED HOLDING CABINET     | 5-20P        | L1-16   |
| E-028              | HEATED HOLDING CABINET     | 5-20P        | L1-17   |
| E-028              | HEATED HOLDING CABINET     | 5-20P        | L1-18   |
| E-028              | HEATED HOLDING CABINET     | 5-20P        | L1-31   |
| E-032              | REFRIGERATOR               | 5-20P        | L1-37   |
| E-033              | FREEZER                    | 5-20P        | L1-35   |

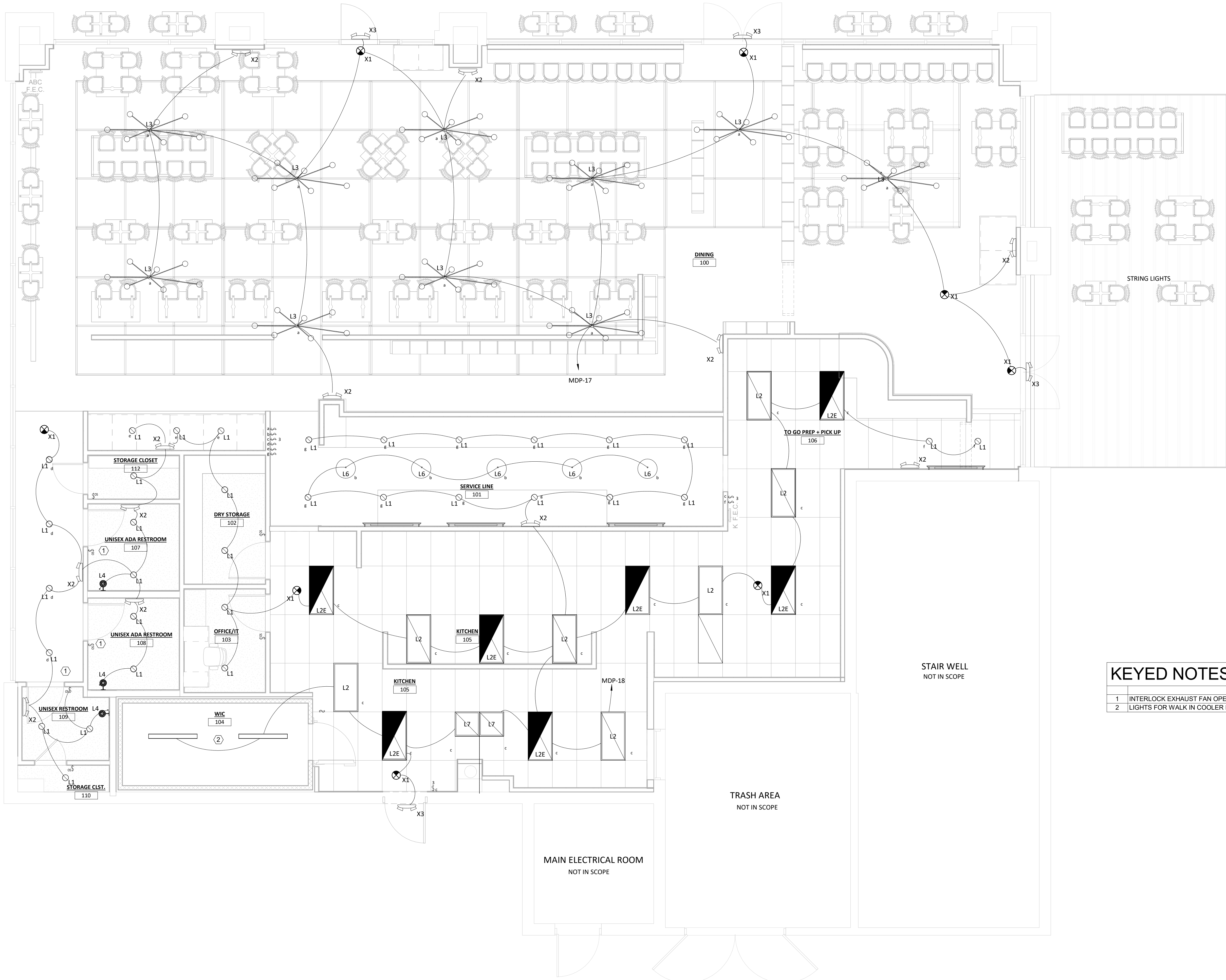
| KEYED NOTES |  |
|-------------|--|
| 1           | PROVIDE AND INSTALL DISCONNECT FOR TENANT SIGNAGE PER ARTICLE 600.6 OF THE NEC. SIGN BY SIGN VENDOR. CIRCUITING AND FINAL CONNECTION BY ELECTRICAL CONTRACTOR. SIGN CONTROLLED BY TIMECLOCK. PROVIDE ADDITIONAL J-BOX FOR PHOTOSENSOR. VERIFY IF EXISTING PRIOR TO BID AND INSTALLING NEW. COORDINATE NUMBER OF CIRCUITS REQUIRED WITH SIGN VENDOR. VERIFY EXACT LOCATION WITH TENANT. |
| 2           | GAS SOLENOID SHUT-OFF TO BE CONNECTED THRU "K" PANEL AND AUTO SHUT-OFF IF ACTIVATION OF FIRE PROTECTION SYSTEM.  |
| 3           | ALL RECEPTACLES UNDER KITCHEN HOOD SHALL BE PROTECTED THRU SHUNT-TRIP "K" PANEL AND AUTO SHUT-OFF IF ACTIVATION OF FIRE PROTECTION SYSTEM.   |
| 4           | PROVIDE POWER TO AIR CURTAIN (IF INSTALLED). AIR CURTAIN AND DOOR SWITCH TO BE PROVIDED BY OTHERS.   |
| 5           | PROVIDE POWER TO HEAT LAMPS. PROVIDE ON/OFF SWITCH. COORDINATE EXACT LOCATION FOR SWITCH CONTROL. (MODEL # HANSON HEAT LAMPS 404800RETSC)  |





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

### KEYED NOTES

- |   |  |
|---|--|
| 1 | INTERLOCK EXHAUST FAN OPERATION WITH LIGHTING OPERATION IN RESTROOM. |
| 2 | LIGHTS FOR WALK IN COOLER PROVIDED BY SUPPLIER AND INSTALLED BY E.C. |

## WRIGHT'S BBQ WALMART CAMPUS INFILL

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BENTONVILLE, AR 72712



04/11/2025  
**Engineer Name** - ANDREW D FINNEGAN  
**Engineer Number** - 15650

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| NO.       | DESCRIPTION |

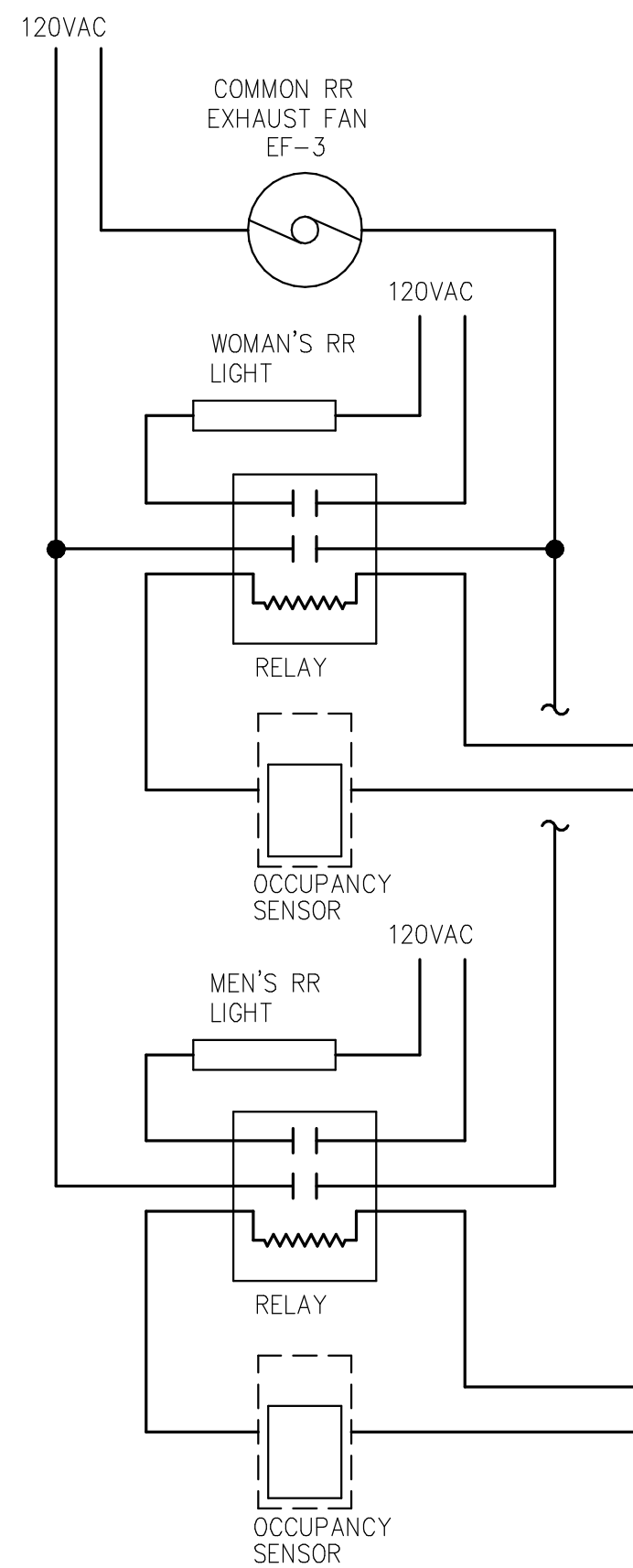
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| Drawn By:<br>ADF         | Checked By:<br>ADF  |

Title:  
LIGHTING PLANS

Sheet Number:  
E2.0

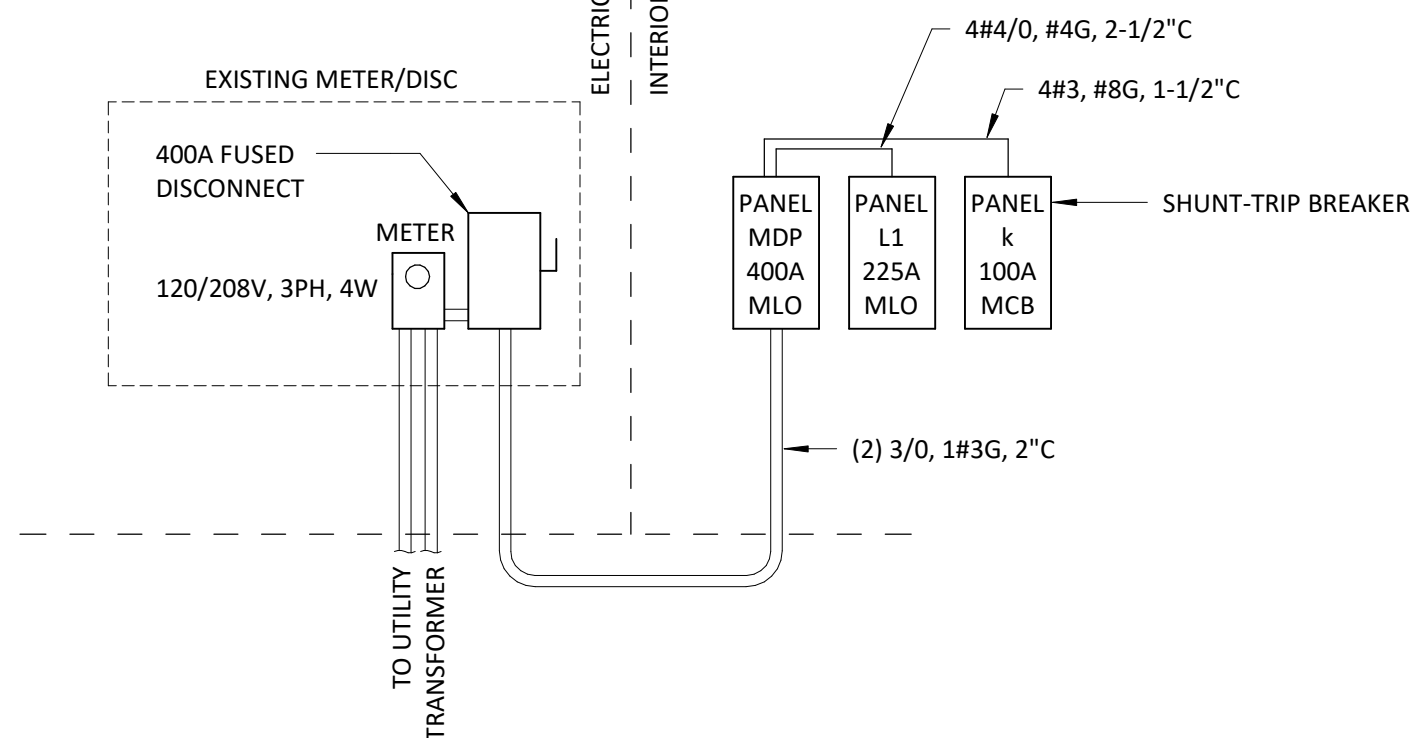
Date: 04/11/2025

| LIGHTING FIXTURE SCHEDULE |                 |                           |       |       |   |       |
|---------------------------|-----------------|---------------------------|-------|-------|---|-------|
| TYPE                      | Manufacturer    | Model                     | VA    | VOLTS | Description   | Count |
| L1                        | COOPER LIGHTING | HC420D010 HM412835 41MCDC | 22 VA |       | 4" LED ROUND DOWNLIGHT  | 33    |
| L2                        | COOPER LIGHTING | 24CZSB-SCT3-UNV           | 38 VA |       | LED 2' X 4' TROFFER; 4000K  | 7     |
| L2E                       | COOPER LIGHTING | 24CZSB-SCT3-UNV-EL7W      | 38 VA |       | LED 2' X 4' TROFFER; 4000K; EMERGENCY BATTERY   | 7     |
| L3                        | CDS LIGHTING    | HANG PENDANT              | 12 VA |       | 7 BULB PENDANT  | 10    |
| L4                        | CDS LIGHTING    | JULIUS-B-1-USV            | 12 VA |       | VANITY WALL SCNCE   | 3     |
| L6                        | TBD             | TBD                       | 12 VA |       |   | 5     |
| L7                        | COOPER LIGHTING | 22CZSB-SCT3-UNV           | 31 VA |       | LED 2' X 2' TROFFER; 4000K  | 2     |
| X1                        | SLG             | EZXTEU-2-R-W-EM           | 0 VA  |       | RED EXIT SIGN WITH TWIN ADJUSTABLE LED LAMPS; 90-MINUTE BATTERY; REMOTE CAPACITY INTERNAL BATTERY FOR POWERING CORD ABOVE | 8     |
| X2                        | COOPER          | APWR2                     | 36 VA |       | REMOTE DUAL LED HEAD EXTERIOR EMERGENCY LIGHT. POWERED FROM XR  | 12    |
| X3                        | COOPER          | APWR2                     | 36 VA |       | REMOTE DUAL LED HEAD EXTERIOR EMERGENCY LIGHT. POWERED FROM XR  | 4     |



**2** **RESTROOM EXHAUST FAN CONTROL DETAIL**  
E3.0 **N.T.S.**

**THIS TENANT WILL REQUIRE SUB-METERING:  
ELECTRICAL CONTRACTOR TO COORDINATE WITH  
LANE JORDAN @ CANNON METERING, INC.  
FOR OWNER PROVIDED ELECTRIC METERING  
INSTALLATION DETAILS.  
(479) 979-7570  
LANE@CANNONMETERING.COM**



**1 ELECTRICAL RISER DIAGRAM**  
E3.0 N.T.S.

GENERAL NOTES:

- WHERE STATED ELECTRICAL CONTRACTOR IS TO PROVIDE MATERIAL, IT IS TO BE KNOWN THAT PROVIDE MEANS TO FURNISH AND INSTALL.
2. PRIOR TO BID, THE CONTRACTOR SHALL VISIT THE JOB SITE TO DETERMINE ALL EXISTING CONDITIONS AND THE EXTENT OF WORK TO BE DONE.
3. CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN THE STATE IN WHICH THIS PROJECT WILL BE COMPLETED. CONTRACTOR SHALL MAINTAIN A COPY OF THEIR LICENSE AGREEMENT WITH THEM TO SHOW TO INSPECTORS WHERE REQUIRED BY LOCAL CODES.
4. CONTACT UTILITY COMPANY PRIOR TO BID AND INCLUDE ALL FEES REQUIRED FOR CONNECTION OF THE UTILITIES.
5. PROVIDE TEMPORARY ELECTRICAL POWER AND LIGHTING TO JOB SITE, AS REQUIRED.
6. PROVIDE A GROUNDING CONDUCTOR IN ALL REACEWAYS, SIZED PER NATIONAL ELECTRICAL CODE.
7. ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.
8. ALL WIRING DEVICES SHALL BE INSTALLED PLUMB, SQUARE, AND TRUE. ALL DEVICES INSTALLED AT A SINGLE LOCATION SHALL BE ALIGNED.
9. ALL WIRING DEVICES TO BE MOUNTED AS LISTED BELOW (TO CENTER OF DEVICE) UNLESS NOTED OTHERWISE ON DRAWINGS:
  - +18" AFF RECEPTACLE
  - +18" AFF DATA OUTLET
  - +46" AFF SWITCHADJUST TO COORDINATE WITH MASONRY IF REQUIRED. REFER TO ARCHITECTURAL DRAWINGS BEFORE STARTING WORK.
10. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING ALL SWITCHES, RECEPTACLES, AND FIXED EQUIPMENT WITH THE BRANCH CIRCUIT PANEL NAME AND NUMBER SERVING EACH DEVICE.
11. ALL DEVICE PLATES, OUTLET COVERS, ETC., FINISH/COLOR AS SPECIFIED UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.
12. PROVIDE UNSWITCHED POWER TO ALL EXIT LIGHTS AND BATTERY CHARGING CIRCUIT OF EMERGENCY LIGHT FIXTURES.
13. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATIONS FOR LIGHT FIXTURE MOUNTING HEIGHTS AND CEILING TYPES.
14. EXISTING ELECTRICAL EQUIPMENT LAYOUT (LIGHT FIXTURES, RECEPTACLES AND DATA OUTLETS, ETC) ARE BASED ON AS-BUILT DRAWINGS AND/OR FIELD OBSERVATIONS. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS IN FIELD.
15. MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE SPECIFIED.
16. ALL CONDUIT SHALL BE INSTALLED AS HIGH AS POSSIBLE TO AVOID CONFLICTS WITH DUCTWORK AND PIPING. THE ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH ALL OTHER TRADES.
17. ALL CONDUITS ARE TO BE CONCEALED IN WALLS OR CEILING. NO CONDUITS SHALL BE SURFACE MOUNTED, UNLESS SPECIFIED.
18. WHERE CONDUIT IS SURFACE MOUNTED IN EXPOSED LOCATIONS, CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, GROUPED WHERE PRACTICAL, AND PAINTED TO MATCH SURROUNDING FINISHES. COORDINATE CONDUIT ROUTING AND ALL PENETRATIONS THROUGH FINISHED SURFACES WITH ALL OTHER DISCIPLINES AS REQUIRED.
19. PROVIDE FIRESTOP AT ALL PENETRATIONS IN FIRE ENVELOPES. ALL DATA CABLES THROUGH FIREWALLS AND OUT OF IT ROOMS TO BE INSTALLED IN A STI FIRESTOP WIREWAY.
20. COORDINATE ALL INTERLOCK WIRING REQUIREMENTS WITH HVAC CONTRACTOR. PROVIDE BACK BOXES AT ALL THERMOSTAT AND CO2 LOCATIONS WITH 3/4" CONDUIT WITH PULL STRING TO ACCESSIBLE CEILING.

## ABBREVIATIONS

|           |   |
|-----------|---|
| AM        | ABOVE MILLWORK                            |
| AF        | ABOVE FINISH FLOOR                        |
| AFG       | ABOVE FINISHED GRADE                      |
| AHJ       | AUTHORITY HAVING JURISDICTION             |
| AHU       | AIR HANDLING UNIT                         |
| AL        | ALUMINUM                                  |
| BAS       | BUILDING AUTOMATION SYSTEM                |
| BFF       | BELOW FINISH FLOOR                        |
| CU        | COPPER                                    |
| CLG       | CEILING                                   |
| CLO       | CLOSET                                    |
| DDC       | DIRECT DIGITAL CONTROL                    |
| EC        | ELECTRICAL CONTRACTOR                     |
| EF        | EXHAUST FAN                               |
| ETR       | EXISTING TO REMAIN                        |
| EWC       | ELECTRIC WATER COOLER                     |
| FA        | FIRE ALARM                                |
| GC        | GENERAL CONTRACTOR                        |
| GFCl/GFI  | GROUND FAULT CIRCUIT INTERRUPTER          |
| GFEP      | GROUND FAULT EQUIPMENT PROTECTION         |
| GR        | GROUND                                    |
| HVAC      | HEATING, VENTILATING AND AIR CONDITIONING |
| IG        | ISOLATED GROUND                           |
| HD        | HAND DRYER                                |
| LTG       | LIGHTING                                  |
| MC        | MECHANICAL CONTRACTOR                     |
| MCB       | MAIN CIRCUIT BREAKER                      |
| MLO       | MAIN LUGS ONLY                            |
| NEC       | NATIONAL ELECTRICAL CODE (NFPA 70)        |
| NF        | NON-FUSIBLE                               |
| NFLA      | NATIONAL FIRE PROTECTION ASSOCIATION      |
| NL        | NIGHT LIGHT                               |
| NS        | NON-SWITCHED                              |
| PC        | PLUMBING CONTRACTOR                       |
| PNL/PNLBO | PANELBOARD                                |
| REC       | RECEPTACLE                                |
| REF       | REFER TO/REFERENCE                        |
| RH        | RADIANT HEATER                            |
| RTU       | ROOFTOP UNIT                              |
| SC        | SECURITY CAMERA                           |
| THP       | TYPICAL                                   |
| UH        | UNIT HEATER                               |
| UNO       | UNLESS NOTED OTHERWISE                    |
| UPS       | UNINTERRUPTIBLE POWER SUPPLY              |
| VFD       | VARIABLE FREQUENCY DRIVE                  |
| WH        | WATER HEATER                              |
| WP        | WEATHERPROOF RECEPTACLE COVER             |
| WR        | WEATHER RESISTANT RECEPTACLE              |
| XFMR      | TRANSFORMER                               |

## ELECTRICAL SYMBOLS

(NOTE: ALL SYMBOLS MAY NOT BE USED)

|  |  |
|--|--|
|  | LIGHTING FIXTURE<br>A=FIXTURE TYPE a=SWITCH DESIGNATION        |
|  | LIGHTING FIXTURE ON EMERGENCY POWER (PART OR ALL)              |
|  | DOWN LIGHT/PENDANT LIGHTING FIXTURE                            |
|  | DOWN LIGHT/PENDANT LIGHTING FIXTURE ON EMERGENCY POWER         |
|  | SCONCE/WALL PACK LIGHTING FIXTURE                              |
|  | SCONCE/WALL PACK LIGHTING FIXTURE ON EMERGENCY POWER           |
|  | TRACK LIGHTING FIXTURE   |
|  | SITE LIGHTING POLE (1,2,3,4 HEADS AS INDICATED ON PLANS)       |
|  | CEILING FAN (A=WITH LIGHT FIXTURE)                             |
|  | EXIT SIGN (SINGLE FACE. DOUBLE FACE) (ARROW DENOTES DIRECTION) |
|  | EXIT SIGN WITH INTEGRAL EMERGENCY LIGHT                        |
|  | BATTERY POWERED EMERGENCY LIGHT                                |
|  | SINGLE POLE SWITCH   |
|  | SINGLE POLE SWITCH - (a) MULTILEVEL SWITCHING DESIGNATION      |
|  | TWO POLE SWITCH  |
|  | 3-WAY SWITCH   |
|  | 4-WAY SWITCH   |
|  | INTERCOM CALL SWITCH   |
|  | DIMMER SWITCH  |
|  | KEY-OPERATED SWITCH  |
|  | LOW VOLTAGE SWITCH   |
|  | MANUAL MOTOR STARTER   |
|  | MOMENTARY CONTACT SWITCH                                       |
|  | OCCUPANCY SENSOR SWITCH  |
|  | SWITCH W/ PILOT LAMP   |
|  | RAISE-LOWER SWITCH   |
|  | VOLUME CONTROL SWITCH  |
|  | VACANCY SENSOR SWITCH  |
|  | TIMER SWITCH   |
|  | DIGITAL CONTROL SWITCH - (#B) # OF BUTTONS                     |
|  | OCCUPANCY SENSOR (C-CEILING, W-WALL MOUNT)                     |
|  | SIMPLEX RECEPTACLE   |
|  | DUPLEX RECEPTACLE  |
|  | QUADRA-PLEX RECEPTACLE   |
|  | CEILING MOUNTED RECEPTACLE                                     |
|  | SPECIAL RECEPTACLE   |
|  | FLOOR BOX - RECEPTACLE/DATA/TELEPHONE                          |
|  | TELEPHONE OUTLET   |
|  | DATA OUTLET  |
|  | COMBINATION DATA OUTLET (TELEPHONE, COMPUTER, ETC.)            |
|  | WIRELESS ACCESS POINT (CABLE ONLY)                             |
|  | SPEAKER  |
|  | CABLE TV OUTLET (CABLE ONLY)                                   |
|  | MICROPHONE OUTLET  |
|  | SECURITY/ TV CAMERA  |
|  | EXIT REQUEST   |
|  | CARD READER  |
|  | DOOR HOLDER  |
|  | MAGNETIC LOCKS   |
|  | CHIME  |
|  | DOOR BELL  |
|  | BUZZER   |
|  | PUSHBUTTON   |
|  | ADA DOOR ACTUATOR PUSHBUTTON                                   |
|  | DOOR SWITCH  |
|  | PUSH BUTTON - UP/DOWN/STOP                                     |
|  | UTILITY POWER POLE   |
|  | JUNCTION BOX   |
|  | SERVICE POLE   |
|  | MOTOR CONNECTION (NO. DENOTES HP)                              |
|  | DISCONNECT SWITCH (DESIGNATION, SEE SWITCH SCHEDULE)           |
|  | CONTACTOR  |
|  | MOTOR STARTER  |
|  | COMBINATION STARTER-DISCONNECT                                 |
|  | TRANSFORMER  |
|  | METER  |
|  | CLOCK OUTLET 6" BELOW CEILING                                  |
|  | PHOTO ELECTRIC CONTROL SENSOR                                  |
|  | TIME CLOCK CONTROLLER  |
|  | PANELBOARDS  |
|  | DISTRIBUTION BOARD   |
|  | MULTI-USE PANEL  |
|  | INTERCOM MASTER  |
|  | INTERCOM   |
|  | SMOKE DETECTOR   |
|  | FIRE ALARM CONTROL PANEL                                       |
|  | REMOTE FIRE ALARM PANEL  |
|  | WEATHERHEAD  |
|  | SURFACE PLUG/MOLD STRIP  |
|  | ELECTRICAL GROUND  |
|  | GFCI BREAKER   |

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WRIGHT'S BBQ WALMART  
CAMPUS INFILL

1410 SE 8TH STREET STE#14

BENTONVILLE, AR 72712



04/11/2025

Engineer Name - ANDREW D FINNEGAN

**Engineer Number** - 15650

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| <i>Drawn By:</i><br>ADF         | <i>Checked By:</i><br>ADF  |

Title.

## ELECTRICAL NOTES DETAILS, AND SCHEDULES

Sheet Number:

## E3.0

Date: 04/11/2025

| NEW PANELBOARD                                       |                         |      |      |    |           |           |           |      |      |      |                             | 225 A                   | MLO |  |
|--|-------------------------|------|------|----|-----------|-----------|-----------|------|------|------|-----------------------------|-------------------------|-----|--|
| LOCATION: KITCHEN 105<br>MOUNTING: SURFACE, 20" WIDE |                         |      |      |    |           |           |           |      |      |      |                             | 3 PH 4 WIRES 120/208V   |     |  |
|  |                         |      |      |    |           |           |           |      |      |      |                             | SERIES RATED/10,000 AIC |     |  |
|  |                         |      |      |    |           |           |           |      |      |      |                             | GROUND BAR              |     |  |
| CK   | LOAD SERVED             | WIRE | BRKR | PL | A         | B         | C         | PL   | BRKR | WIRE | LOAD SERVED                 | CK                      |     |  |
| 1  | DRAFT BEER COOLER       |      | 20 A | 1  | 0.37      | 0.24      |           |      | 1    | 20 A | SANDWITCH/SALAD PREP REFRIG | 2                       |     |  |
| 3  | WH                      |      | 20 A | 1  |           | 0.18      | 0.24      |      | 1    | 20 A | SANDWITCH/SALAD PREP REFRIG | 4                       |     |  |
| 5  | FRIG MERCHANDISER       |      | 20 A | 1  |           |           | 0.50      | 1.50 | 2    | 30 A | STEAM TABLE                 | 6                       |     |  |
| 7  | SODA DISP               |      | 20 A | 1  | 0.90      | 1.50      |           |      | --   | --   | --                          | 8                       |     |  |
| 9  | SODA DISP               |      | 20 A | 1  |           | 0.90      | 0.24      |      | 1    | 20 A | UC FRIG                     | 10                      |     |  |
| 11   | HEATED LOW TEMP CABINET |      | 20 A | 1  |           |           | 1.01      | 1.01 | 1    | 20 A | HEATED LOW TEMP CABINET     | 12                      |     |  |
| 13   | HEATED LOW TEMP CABINET |      | 20 A | 1  | 1.01      | 1.01      |           |      | 1    | 20 A | HEATED LOW TEMP CABINET     | 14                      |     |  |
| 15   | HEATED HOLDING CABINET  |      | 20 A | 1  |           | 1.92      | 1.92      |      | 1    | 20 A | HEATED HOLDING CABINET      | 16                      |     |  |
| 17   | HEATED HOLDING CABINET  |      | 20 A | 1  |           |           | 1.92      | 1.92 | 1    | 20 A | HEATED HOLDING CABINET      | 18                      |     |  |
| 19   | HEATED HOLDING CABINET  |      | 20 A | 1  | 1.92      | 1.92      |           |      | 1    | 20 A | HEATED HOLDING CABINET      | 20                      |     |  |
| 21   | HEATED HOLDING CABINET  |      | 20 A | 1  |           | 1.92      | 0.24      |      | 1    | 20 A | SANDWITCH/SALAD PREP REFRIG | 22                      |     |  |
| 23   | SODA DISP               |      | 20 A | 1  |           |           | 0.90      | 1.01 | 1    | 20 A | HEATED LOW TEMP CABINET     | 24                      |     |  |
| 25   | HEATED LOW TEMP CABINET |      | 20 A | 1  | 1.01      | 1.20      |           |      | 1    | 20 A | TV SCREEN                   | 26                      |     |  |
| 27   | STEAM TABLE             |      | 30 A | 2  |           | 1.50      | 1.20      |      | 1    | 20 A | TV SCREEN                   | 28                      |     |  |
| 29   | --                      | --   | --   | -- |           |           | 1.50      | 1.20 | 1    | 20 A | BUILDING SIGN               | 30                      |     |  |
| 31   | HEATED HOLDING CABINET  |      | 20 A | 1  | 1.92      | 1.20      |           |      | 1    | 20 A | TV SCREEN                   | 32                      |     |  |
| 33   | TV SCREEN               |      | 20 A | 1  |           | 1.20      | 5.85      |      | 3    | 60 A | DISH WASHER                 | 34                      |     |  |
| 35   | FREEZER                 |      | 20 A | 1  |           |           | 1.03      | 5.85 | --   | --   | --                          | 36                      |     |  |
| 37   | REFRIGERATOR            |      | 20 A | 1  | 0.48      | 5.85      |           |      | --   | --   | --                          | 38                      |     |  |
| 39   | CONV RECPT              |      | 20 A | 1  |           | 0.18      | 0.18      |      | 1    | 20 A | CONV RECPT                  | 40                      |     |  |
| 41   | CONV RECPT              |      | 20 A | 1  |           |           | 0.18      | 0.36 | 1    | 20 A | CONV RECPT                  | 42                      |     |  |
| 43   | CONV RECPT              |      | 20 A | 1  | 0.36      | 0.36      |           |      | 1    | 20 A | POS                         | 44                      |     |  |
| 45   | CONV RECPT              |      | 20 A | 1  |           | 0.36      | 0.36      |      | 1    | 20 A | CONV RECPT                  | 46                      |     |  |
| 47   | HEAT TRACE              |      | 20 A | 1  |           |           | 1.20      | 0.36 | 1    | 20 A | POS                         | 48                      |     |  |
| 49   | CONV RECPT              |      | 20 A | 1  | 0.18      | 0.36      |           |      | 1    | 20 A | CONV RECPT                  | 50                      |     |  |
| 51   | CONV RECPT              |      | 20 A | 1  |           | 0.36      | 0.54      |      | 1    | 20 A | CONV RECPT                  | 52                      |     |  |
| 53   | PATIO RECPT             |      | 20 A | 1  |           |           | 0.18      | 0.36 | 1    | 20 A | OFFICE RECPT                | 54                      |     |  |
| 55   | OFFICE RECPT            |      | 20 A | 1  | 0.36      | 0.36      |           |      | 1    | 20 A | OFFICE RECPT                | 56                      |     |  |
| 57   | ICE MAKER               |      | 20 A | 1  |           | 1.20      | 1.20      |      | 1    | 20 A | HEAT LAMP                   | 58                      |     |  |
| 59   | MENUE BOARD RECPT       |      | 20 A | 1  |           |           | 0.54      | 0.72 | 1    | 20 A | RESTROOM RECPT              | 60                      |     |  |
| 61   | HOOD LTS                |      | 20 A | 1  | 0.20      | 0.12      |           |      | 1    | 15 A | WIC FAN                     | 62                      |     |  |
| 63   | NUGGET ICE MAKER        |      | 20 A | 1  |           | 1.36      | 0.92      |      | 1    | 20 A | CONVECTION OVEN, GAS        | 64                      |     |  |
| 65   | FOUNTAIN LINES/CO2 PUMP |      | 20 A | 1  |           |           | 0.18      | 0.86 | 1    | 20 A | DW HOOD                     | 66                      |     |  |
| 67   | ICE MAKER               |      | 20 A | 1  | 1.32      | 0.70      |           |      | 1    | 20 A | RECIRC PUMP                 | 68                      |     |  |
| 69   | ICE MAKER               |      | 20 A | 2  |           | 1.25      | 1.20      |      | 1    | 20 A | TEA BREWER                  | 70                      |     |  |
| 71   | --                      | --   | --   | -- |           |           | 1.25      |      |      |      |                             | 72                      |     |  |
| 73   |                         |      |      |    |           |           |           |      |      |      |                             | 74                      |     |  |
| 75   |                         |      |      |    |           |           |           |      |      |      |                             | 76                      |     |  |
| 77   |                         |      |      |    |           |           |           |      |      |      |                             | 78                      |     |  |
| 79   |                         |      |      |    |           |           |           |      |      |      |                             | 80                      |     |  |
| 81   |                         |      |      |    |           |           |           |      |      |      |                             | 82                      |     |  |
| 83   |                         |      |      |    |           |           |           |      |      |      |                             | 84                      |     |  |
| TOTAL:   |                         |      |      |    | 24.85 kVA | 26.42 kVA | 25.54 kVA |      |      |      |                             |                         |     |  |
|  |                         |      |      |    | 207.05 A  | 221.08 A  | 213.74 A  |      |      |      |                             |                         |     |  |
| TOTAL LOAD:  |                         |      |      |    | 76.81 kVA | 213.20 A  |           |      |      |      |                             |                         |     |  |
| FEEDER LOAD:   |                         |      |      |    | 53.55 kVA | 148.63 A  |           |      |      |      |                             |                         |     |  |
| PER NEC ARTICLE 220                                  |                         |      |      |    |           |           |           |      |      |      |                             |                         |     |  |

K

NEW PANELBOARD

100 A MCB  
1 PH 3 WIRES 120/208V  
SERIES RATED/10,000 AIC  
GROUND BAR

LOCATION: KITCHEN 105  
MOUNTING: SURFACE, 20" WIDE

| CK           | LOAD SERVED           | WIRE | BRKR | PL | PHASE A   |      | PHASE B  |      | PL | BRKR | WIRE | LOAD SERVED       | CK |
|--------------|-----------------------|------|------|----|-----------|------|----------|------|----|------|------|-------------------|----|
| 1            | CONVECTION OVEN, GAS  |      | 20 A | 1  | 0.92      | 0.28 |          |      | 1  | 20 A |      | REFRIGERATED BASE | 2  |
| 3            | RECPT                 |      | 20 A | 1  |           |      | 0.18     | 5.99 | 2  | 70 A |      | STEAM KETTLE      | 4  |
| 5            | GAS RANGE             |      | 20 A | 1  | 0.41      | 5.99 |          |      | -- | --   | --   | --                | 6  |
| 7            | GAS SOLENOID SHUT-OFF |      | 20 A | 1  |           |      | 0.18     |      |    |      |      |                   | 8  |
| 9            |                       |      |      |    |           |      |          |      |    |      |      |                   | 10 |
| 11           |                       |      |      |    |           |      |          |      |    |      |      |                   | 12 |
| 13           |                       |      |      |    |           |      |          |      |    |      |      |                   | 14 |
| 15           |                       |      |      |    |           |      |          |      |    |      |      |                   | 16 |
| TOTAL:       |                       |      |      |    | 7.60 kVA  |      | 6.35 kVA |      |    |      |      |                   |    |
|              |                       |      |      |    | 71.46 A   |      | 61.06 A  |      |    |      |      |                   |    |
| TOTAL LOAD:  |                       |      |      |    | 13.95 kVA |      | 67.0...  |      |    |      |      |                   |    |
| FEEDER LOAD: |                       |      |      |    | 12.96 kVA |      | 62.3 A   |      |    |      |      |                   |    |

PER NEC ARTICLE 220

| MDP                   |             |      |       |    |            |           |           |      |      |       |             | 400 A        | MCB |
|-----------------------|-------------|------|-------|----|------------|-----------|-----------|------|------|-------|-------------|--------------|-----|
| LOCATION: KITCHEN 105 |             |      |       |    |            |           |           |      |      |       |             | 3 PH 4 WIRES |     |
| MOUNTING: Surface     |             |      |       |    |            |           |           |      |      |       |             | GROUND BAR   |     |
| CK                    | LOAD SERVED | WIRE | BRKR  | PL | PHASE A    | PHASE B   | PHASE C   | PL   | BRKR | WIRE  | LOAD SERVED | CK           |     |
| 1                     | L1          |      | 225 A | 3  | 24.85      | 7.60      |           |      | 2    | 100 A | K           | 2            |     |
| 3                     | --          | --   | --    | -- |            | 26.42     | 6.35      |      | --   | --    | --          | 4            |     |
| 5                     | --          | --   | --    | -- |            |           | 25.54     | 1.07 | 3    | 15 A  | KMUA-1      | 6            |     |
| 7                     | PCU-1       |      | 35 A  | 3  | 2.90       | 1.07      |           |      | --   | --    | --          | 8            |     |
| 9                     | --          | --   | --    | -- |            | 2.90      | 1.07      |      | --   | --    | --          | 10           |     |
| 11                    | --          | --   | --    | -- |            |           | 2.90      | 0.62 | 2    | 15 A  | WIC         | 12           |     |
| 13                    | AIR CURTAIN |      | 20 A  | 1  | 1.56       | 0.62      |           |      | --   | --    | --          | 14           |     |
| 15                    | AIR CURTAIN |      | 20 A  | 1  |            | 1.56      | 1.56      |      | 1    | 20 A  | AIR CURTAIN | 16           |     |
| 17                    | FRONT LTS   |      | 20 A  | 1  |            |           | 0.12      | 1.48 | 1    | 20 A  | BACK LTS    | 18           |     |
| 19                    | CU-1        |      | 70 A  | 3  | 7.20       | 7.68      |           |      | 3    | 80 A  | CU-2        | 20           |     |
| 21                    | --          | --   | --    | -- |            | 7.20      | 7.68      |      | --   | --    | --          | 22           |     |
| 23                    | --          | --   | --    | -- |            |           | 7.20      | 7.68 | --   | --    | --          | 24           |     |
| 25                    | AHU 1-4     |      | 20 A  | 2  | 1.44       | 1.21      |           |      | 2    | 20 A  | AHU-5-7     | 26           |     |
| 27                    | --          | --   | --    | -- |            | 1.44      | 1.21      |      | --   | --    | --          | 28           |     |
| 29                    | WIC CU      |      | 20 A  | 2  |            |           | 1.56      |      | --   | --    | --          | 30           |     |
| TOTAL:                |             |      |       |    | 57.68 kVA  | 57.39 kVA | 48.16 kVA |      |      |       |             |              |     |
|                       |             |      |       |    | 492.51 A   | 490.05 A  | 401.36 A  |      |      |       |             |              |     |
| TOTAL LOAD:           |             |      |       |    | 163.23 kVA | 453.08 A  |           |      |      |       |             |              |     |
| FEEDER LOAD:          |             |      |       |    | 133.34 kVA | 370.10 A  |           |      |      |       |             |              |     |
| PER NEC ARTICLE 220   |             |      |       |    |            |           |           |      |      |       |             |              |     |



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Contractor is responsible for confirming and correlating dimensions at job site. The Architect will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the project.

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CLIENT NAME

WRIGHT'S BBQ - JORDAN WRIGHT  
1410 SE 8TH STREET#14  
BENTONVILLE, AR 72712

WRIGHT'S BBQ WALMART  
CAMPUS INFILL  
1410 SE 8TH STREET STE#14  
BENTONVILLE, AR 72712



04/11/2025  
Engineer Name - ANDREW D FINNEGAN  
Engineer Number - 15650

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| REVISIONS |             |
|-----------|-------------|
| NO.       | DESCRIPTION |

|                          |                     |
|--------------------------|---------------------|
| Drawing Size:<br>24 x 36 | Project #:<br>24136 |
| Drawn By:<br>ADF         | Checked By:<br>ADF  |

Title:  
PANEL SCHEDULES

Sheet Number:  
E3.1

Date: 04/11/2025



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ELECTRICAL SPECIFICATIONS

I. GENERAL PROVISIONS

A. GENERAL CONDITIONS, CODES & STANDARDS

- General conditions of the contract found in the architectural drawings, general and special conditions of the American Institute of Architects (AIA) and any of the owner's general requirements shall apply unless noted otherwise.
- Refer to the general conditions on the architectural documents and the general and special conditions of the AIA for additional requirements regarding; safety, coordination & cooperation, workmanship, protection, cutting and patching, damage to other work, preliminary operations, storage, adjustments, cleaning, etc.
- All work shall be in conformance with all locally enforced, federal, state, and local codes and ordinances including any special the owner requirements in addition to those specified.
- Contractor shall pay for and obtain all necessary licenses, permits and inspections required to proceed with the work. This shall include all required coordination with the local utility companies and their associated fees or costs.

B. SCOPE OF WORK

- This contract shall include the furnishing, installing, connecting, and operation of all equipment which is a part of the electrical systems as shown on the drawings and as required by similar installations. Any material or labor which is neither shown on the drawings nor called for in the specifications, but which is obviously necessary to complete the work and which is usually included in work of a similar character shall be furnished and installed under this contract at no additional cost to the owner. Contractor shall provide all labor and materials required to provide the owner a complete, code approved and operational electrical system.
- Carefully read specification for all parts of the work to become familiar with all trades' work scope. Consult with other trades to insure proper locations and avoid interferences. Any conflict shall be brought to the attention of the owner before work is commenced.
- Contractors shall be held to have examined the premises and site to compare them with the drawings and specifications, note the existing conditions and other work that will be required, and the nature of the conditions under which the work is to be performed. No allowance shall be made to the contractor because of this failure to have made such examination or of any error on his part.
- All existing utility and electrical services shall be field verified. Corrections to the design and installation shall be made without additional cost to the owner.
- Provide all cutting and patching required for installation of electrical work. All core drilling or cutting of fire rated floors, shafts, and walls shall be fire stopped prior to finish patching. All penetrations shall be fire sealed to match the fire rating of the floors, shafts, and walls penetrated.
- Temporary electrical service, lighting, and related wiring shall be provided in accordance with osha requirements for the use of all trades during construction.
- Temperature and interlock control components and all related wiring and conduit shall be provided by the mechanical contractor unless otherwise indicated on the drawings.
- This contract shall also include all labor, materials and miscellaneous expenses required for all required electrical demolition of the existing areas being renovated.
- The demolition shall consist of the complete removal (properly disposed off-site unless otherwise noted) of all electrical equipment, wiring, conduit, materials, etc. Not required in the final design and installation of the electrical systems for the new renovated areas.
- All underground services not being reused shall be capped below the floor, wiring removed, and floor penetrations repaired to match adjacent surfaces.
- All above ground circuits shall be removed back to the source unless indicated otherwise.
- Coordinate all demolition with the architectural documents, the architect, and the owner's general requirements.
- The general contractor shall verify site lighting base details with structural engineer to verify applicability of pole/fixture base with local soil conditions.
- All work including, but not limited to parts, material, equipment and labor shall be guaranteed for one year after acceptance by the engineer and owner. Where an equipment manufacturer has a warranty that exceeds one year, that warranty period shall apply to this project.

C. DOCUMENTS

- The drawings are diagrammatic; all work shall be performed as indicated on the drawings unless existing conditions or coordination issues require changes. These changes shall be made with no additional cost to the owner.
- Any incidental items or labor, etc. Not included in the specifications or the drawings but reasonably implied as necessary for the complete installation of all apparatus shall be including in bid.
- The drawings and specifications are intended to supplement each other and any material or labor called for in one shall be furnished even though not mentioned in both.
- If errors are found in the drawings or specifications or discrepancies occur between the same, or between the figures on the drawings, and the scale of same or between the larger and smaller drawings, or in the descriptive matter on the drawings shall be referred to the owner for review and final decision prior to the bid due date.
- The bidding of this work will contemplate the use of equipment and materials exactly as specified herein. Where more than one manufacturer is mentioned any one may be utilized. Substitute manufacturers may be offered only as an alternate to the specified equipment and material and must be submitted as specified in the architectural documents.
- Miscellaneous items necessary to complete the systems can be of any recognized manufacture provided these items meet minimum standards as set in these specifications. Refer to each section for any specific requirements.

D. COORDINATION

- Contractor shall locate, identify and protect any existing services which are required to be maintained operational and shall exercise extra caution in the performance of all work to avoid disturbing such facilities. All costs for repair of damages to such services shall be paid by the contractor causing the damage.
- Each contractor shall be held responsible for all damage to other work caused by his work or through the neglect of his, or his sub-trade's personnel. All patching, repairing, replacement and painting, etc. Shall be done as directed by the owner by the craftsmen of the trades involved. The costs of such work shall be paid by the contractor causing the damage.
- It is essential that all work at the project be done at such time and in such manner as not to interfere with the operations of the space, adjacent spaces, or facility. A work schedule shall be arranged with the owner, including premium time work to facilitate work with a minimum of interference to the owner's operations.

E. METHODS

- Excavations shall be made in open trenches. Floors shall be saw cut. Conduit shall be laid on an appropriately graded 6" bed of clean and dry sand. Engineered fill shall be used to backfill to 6" above the conduit. Backfill the remainder of the trench utilizing the excavated material if approved by the architect or the owner. If the excavated materials are not acceptable, engineered fill acceptable to the architect shall be utilized to backfill the remainder of the trench. Backfill shall be accomplished in 9" lifts with all lifts compacted to 95% proctor. Patch floor to match existing.
- Equipment, conduit, etc. Shall not be supported from any ceilings, other piping, other conduit or ductwork, roof deck, or joist bridging. Items shall be supported from acceptable structural building components as determined by the architect and structural engineer.
- All roof penetrations, flashings and counter flashings shall be performed by the owner's roofing contractor at the requesting contractors cost.

F. SUBMITTALS

- Shop drawings shall be provided to the architect of all equipment and accessories provided for the project whether specified here-in or on the drawings. Review of the shop drawings shall be for general design concept and adherence with the specifications. Quantity of shop drawings submitted shall be as specified by the architect. Shop drawings shall be prepared by the contractor showing locations and measurements from columns of all concealed and exposed piping, ductwork, conduit, equipment, accessories, etc., and submitted prior to installation. The owner may make reproducible copies of their drawings available for use in preparation of shop drawings, however the owner shall not be held responsible for not confirming all information on the drawings prior to fabrication and/or installation.
- Project record documents - maintain at the jobsite one copy of all contract documents clearly marked as "project record copy". These drawings are to be maintained in good condition, updated daily for changes encountered and available at all times for inspection by the owner. Do not use for field construction! Project record documents are to be kept current with exact dimensions of all work, equipment, distribution conduit, circuits, etc. Mark all information in red lines and notes to be easily identified from the base drawing. Upon completion of the work, one set of these documents shall be turned over to the owner as one qualification for final payment.
- Three complete sets of as-built documentation shall be provided. It shall include, but not be limited to accurate plan drawings, wiring diagrams and operation and maintenance manuals.

PRODUCTS

A. CONDUIT

- Conduit shall be heavy wall rigid galvanized steel where exposed and subject to damage, 8'-0" AFF and below, and in wet locations where indicated on the drawings.
- Underground conduit shall be schedule 40 PVC and shall be concrete encased (3' minimum) where indicated on the drawings. A transition shall be made to heavy wall rigid galvanized steel before PVC conduits penetrate the floor slab.
- Interior conduits shall be electrical metallic tubing (EMT).
- Metal clad (mc) cable may be used if approved by the owner, and installed in locations permitted by code.
- Flexible metal conduit shall be used from outlet box to individual recessed light fixtures, and for final connections to motors and other devices subject to vibration.

B. CONDUIT FITTINGS AND BOXES

- Interior outlet boxes shall be standard galvanized sheet steel type, not less than 14 gauge in thickness, with knockout openings, extensions, plaster rings and cover plates to accommodate the devices installed. Cover plates shall be smooth plastic to match device color. Use steel plates with rounded corners for surface boxes. Outdoor (wet location) outlet boxes shall be cast aluminum type with device covers to suit.
- Outlet boxes shall not be less than 4 inches square, 1-1/2 inches deep.
- Couplings and connectors for EMT shall be die cast zinc or steel. Bushing shall be grounding type with insulating plastic insert.

C. WIRE AND CABLE

- Conductors for power and lighting shall be new 600-volt, 90°C, type XHHW, THHN, or THWN insulation, minimum size #12-AWG, except for control wiring which may be #14-AWG. Other sizes shall be as noted on the drawings. Conductors shall be copper, unless otherwise approved by the owner.
- Branch circuit runs exceeding 100 feet in total length from the panelboard to the last device, shall be #10-AWG conductors unless otherwise noted.
- Compression type lugs and connectors shall be used for all terminations and splices.
- All low voltage communications, fire alarm, data, security, telephone and all other miscellaneous low voltage wiring installed in ceiling shall be installed in conduit, or be plenum rated.

D. WIRING DEVICES

- Duplex receptacles shall be grounding type, NEMA 5-20R, rated for 20 amps, 125 volts, with provisions for back and side wiring.
- Ground fault circuit interrupter (GFCI) duplex receptacles shall be provided where indicated and where required by the NEC.
- Switches shall be toggle operated, quiet type, rated for 20 amps, 120/277 volts, with provisions for back and side wiring. Three way and four way switches shall be provided where indicated.
- Dimmers shall be Lutron "nova t-star" series, of a rating, voltage and wattage suitable for load served.
- Colors of devices shall be selected by architect.
- Wiring devices shall be specification grade, as manufactured by Hubbell, Pass & Seymour, Arrow Hart, Leviton and General Electric.

LIGHTING AND RECEPTACLE PANELBOARDS

- Branch circuit panelboards shall be dead front type, with main lugs or main overcurrent device as indicated, branch overcurrent devices as noted and an equipment ground bar, all in a surface or flush mounted sheet steel enclosure. Minimum short circuit capacity shall be 10,000 amps symmetrical for 120/208V, and 18,000 amps symmetrical for 277/480V application unless noted otherwise.
- Circuit breakers shall be bolt on type; with molded plastic case; 1, 2, or 3 pole as indicated; quick-make, quick-break; and thermal-magnetic trip device.
- All breakers feeding HVAC equipment shall be HACR rated, unless otherwise noted.
- All breakers in residential occupancies shall be arc-fault type, unless otherwise noted.
- Panelboards shall be as manufactured by Square D, General Electric, Siemens, and Eaton/Cutler Hammer.

F. DISTRIBUTION TRANSFORMERS

- Transformers shall be energy saving type, dry type, 115 degree rise with 2 taps above and 4 taps below normal voltage. Transformers shall be as manufactured by Square D, General Electric, Siemens, Eaton/Cutler Hammer, and Acme.

G. SAFETY SWITCHES AND MOTOR STARTERS

- Safety switches shall be fusible or non-fusible as indicated on the drawings. Switches shall be quick-make, quick-break, heavy duty visible blade type. Enclosures shall be nema 1 type unless otherwise indicated on the drawings. Fuses shall be dual element - time delay type.
- Magnetic motor starters shall be combination type with thermal overload, integral fused safety switch, h-o-a selector switch, control transformer, running pilot light, nema type 1 enclosure, and (2) normally open and (2) normally closed auxiliary contacts.
- All motors over 1/8 hp shall be provided with thermal overload protection. Overload protection shall be provided integral with the motor windings and/or motor controller (provided by others) unless otherwise indicated on drawings.

H. LUMINAIRES AND LAMPS

- All luminaires shall be specified on the luminaire schedule.
- Ballasts shall be instant start, electronic type, class P, "a" sound rating and maximum harmonic content of 10%. Dimming ballasts shall be 3-wire type, with dimming capability to 10% of rated full output.
- Recessed luminaires with incandescent lamps shall be provided with thermal protection.
- Fluorescent and LED color temperature shall be as described on plans. Incandescent lamps shall be 130 volt. High intensity discharge lamps shall be coated.
- Emergency lighting shall provide a minimum of one foot candle along the path of egress. Emergency fixture supplier shall provide foot candle printout to verify emergency light levels.
- All fixture / ballast / lamp combinations shall be energy saving type.

III. EXECUTION

A. GENERAL MISCELLANEOUS

- All conduit run in finished areas shall be concealed. Conduit smaller than 3/4" shall not be used for any circuit homeruns.
- Raceways exposed to different temperatures shall be filled with an approved material in accordance with article 300.7 of the national electrical code.
- Hangers, supports, or fastenings shall be provided at each elbow, at the ends of straight runs terminating at boxes or cabinets, and at intermediate points as required by code. Conduits or boxes shall not be supported by ceiling support wires or other ceiling supporting hardware.
- Fixture supports shall be in accordance with article 410-30 of the national electrical code, or any local codes which may apply.
- Provide permanent nameplates with designations for panelboards, feeder devices, distribution equipment and starters.
- Provide typewritten directory cards with branch circuit identification for branch circuit panelboards.
- Panelboards, feeder devices, distribution equipment and starters shall be field marked to warn qualified persons of potential electric arc flash hazards in accordance with NEC 110.16.
- Install handle guards on all breakers for night lighting, emergency and similar circuits.
- The electrical contractor shall balance panelboard loading to within 10% on each phase based on installed conditions. Load balancing circuit changes shall be performed outside the normal occupancy working schedule and at a time directed by landlord.
- All flush mounted panelboards shall have (3) 3/4" empty conduits installed to above accessible ceiling for future use.
- The final locations of all equipment, outlets, etc. Shall be subject to reasonable changes in location up to the time of roughing-in, at no additional cost to the owner.
- Contact electric power company and make necessary arrangements for electric service (both temporary and permanent as required).
- Contact telephone company and make necessary arrangements for telephone service.
- At all times keep premises and building in a neat and orderly condition, following owner's instruction regarding storing of materials, protective measures and disposing of debris.
- Raceways below driveways, parking lots, and any raceways installed below grade shall be installed a minimum of 24" below finished grade per NEC 300-5.

B. GROUNDING

- Ground all conduits, cabinets, motors, panels, and other exposed non-current carrying parts of electrical equipment in accordance with NEC article 250.
- Bond metal water piping and other metal piping (including gas piping) and exposed structural metal in accordance with NEC article 250.
- Grounding of the electrical system shall be by means of an insulated grounding conductor installed with all feeders and branch circuit conductors in all conduits.



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WRIGHT'S BBQ - JORDAN WRIGHT  
1410 SE 8TH STREET#14  
BENTONVILLE, AR 72712

WRIGHT'S BBQ WALMART  
CAMPUS INFILL  
1410 SE 8TH STREET STE#14  
BENTONVILLE, AR 72712



04/11/2025  
Engineer Name - ANDREW D FINNEGAN  
Engineer Number - 15650

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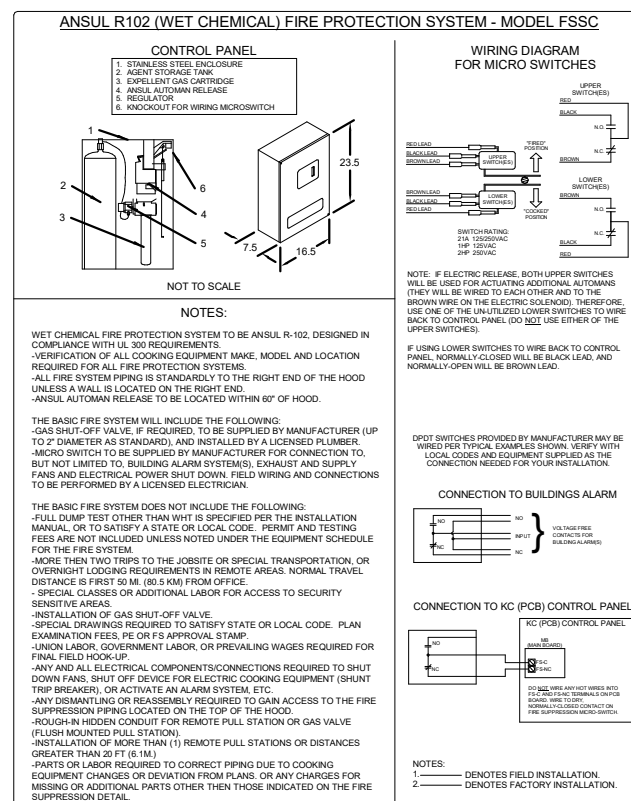
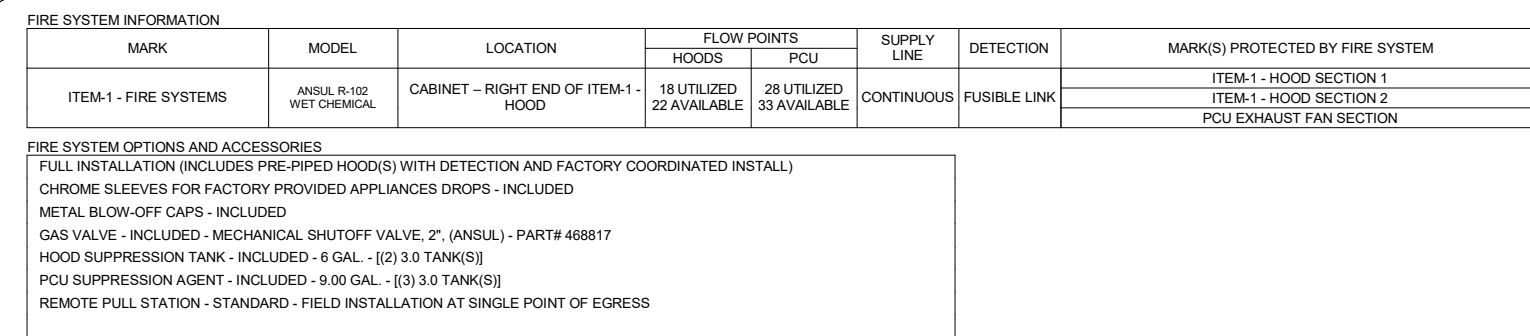
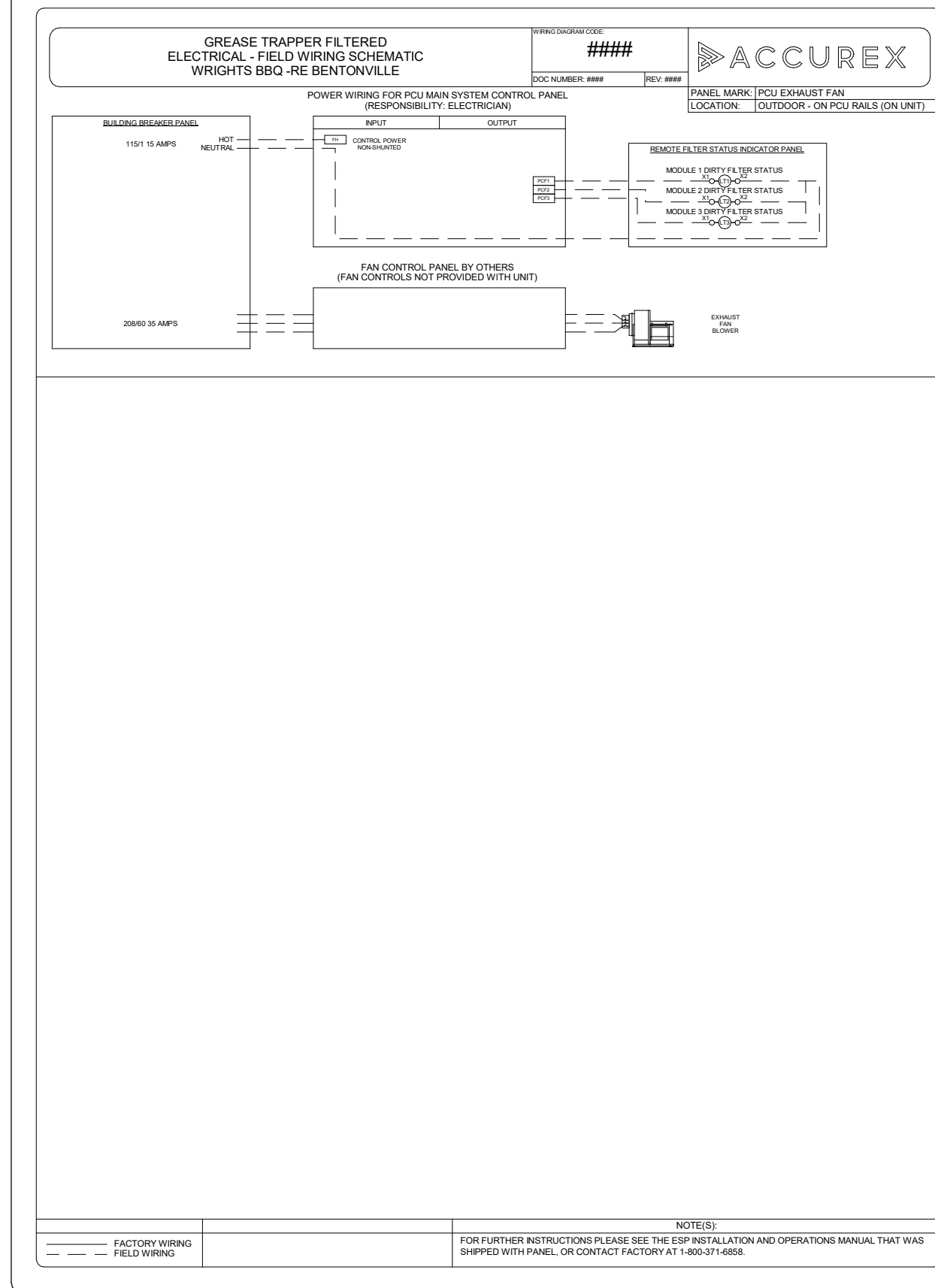
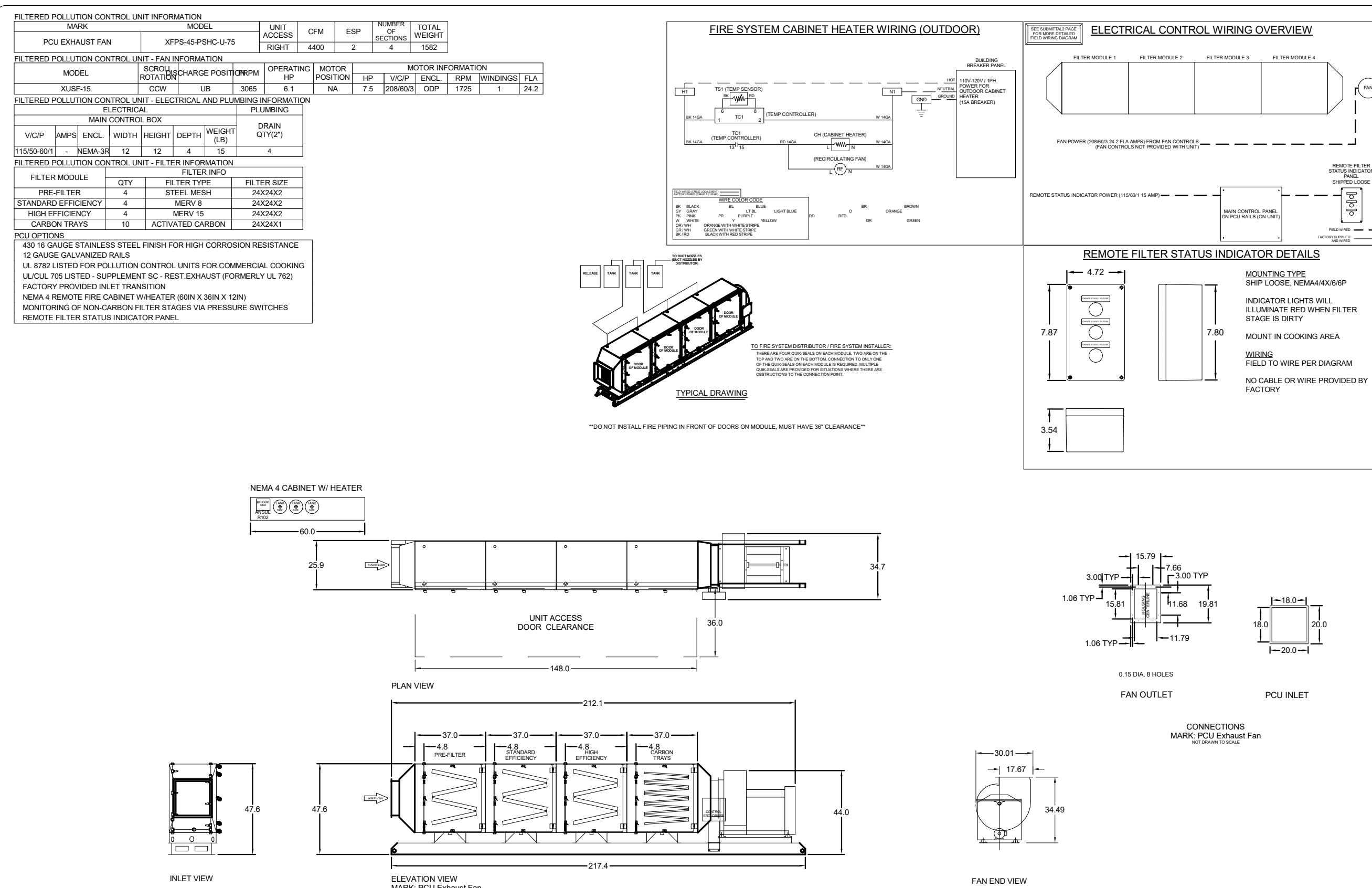
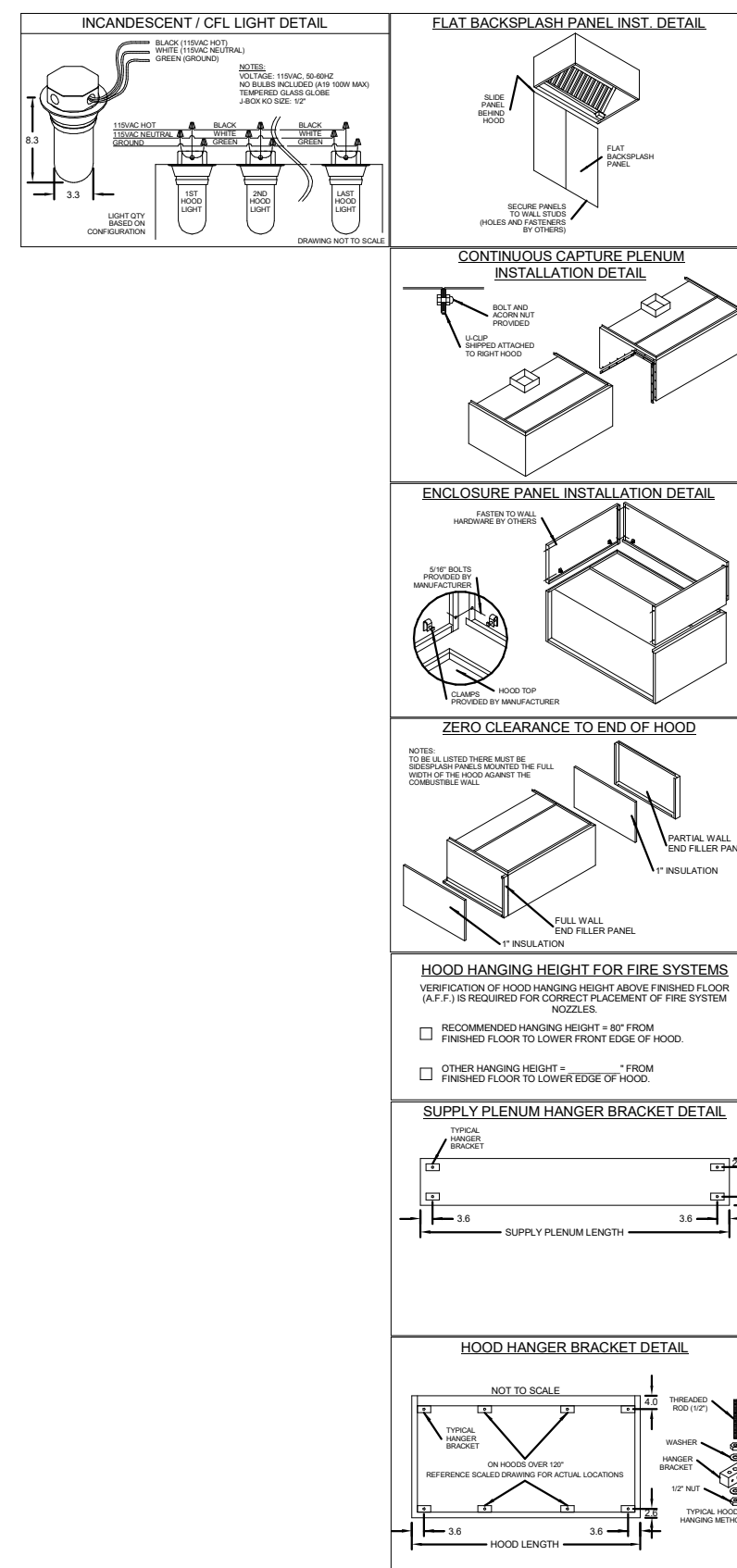
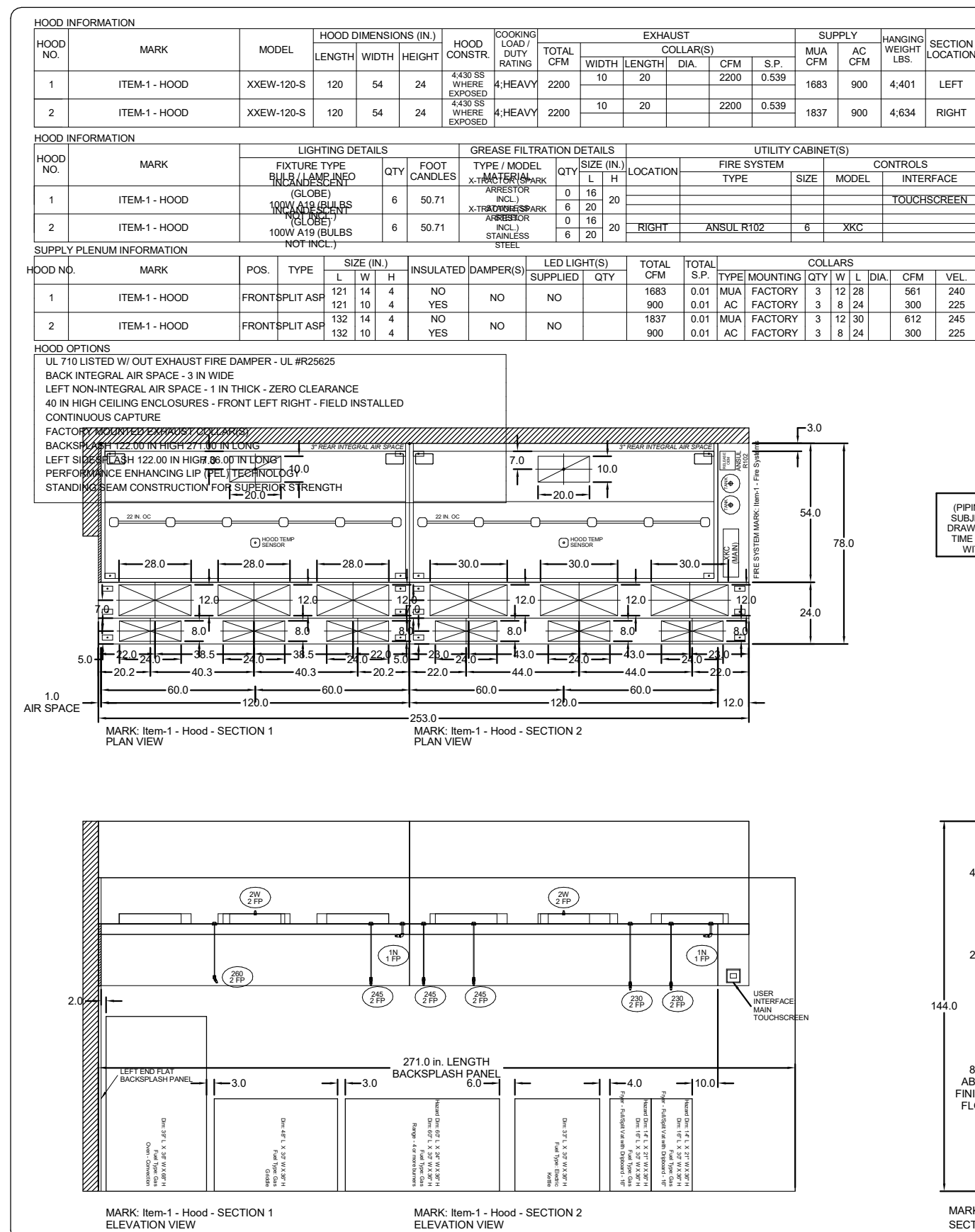
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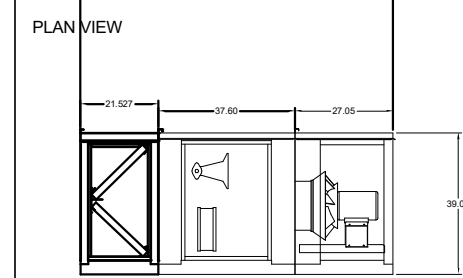
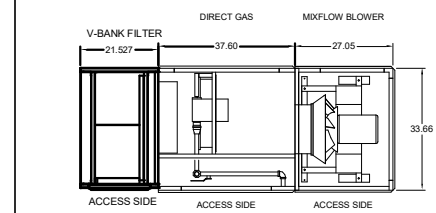
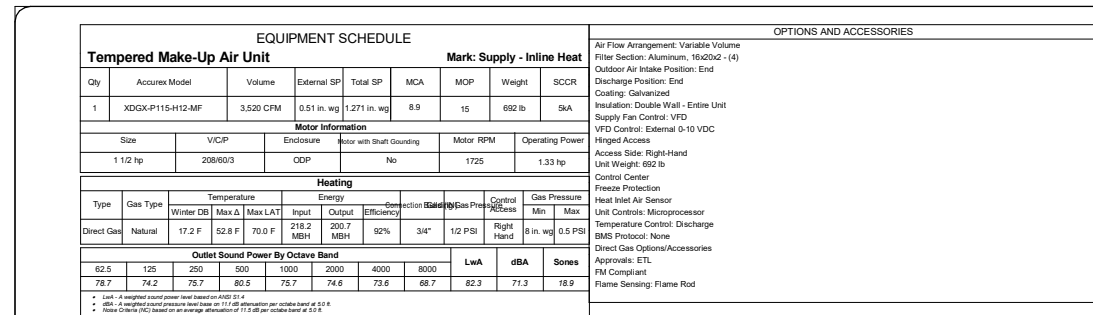
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| Drawing Size:<br>24 x 36               | Project #:<br>24136 |
| Drawn By:<br>ADF                       | Checked By:<br>ADF  |
| Title:<br>ELECTRICAL<br>SPECIFICATIONS |                     |

Sheet Number:

E4.0

Date: 04/11/2025



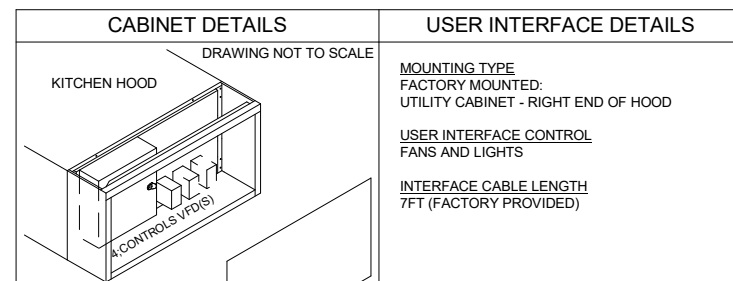
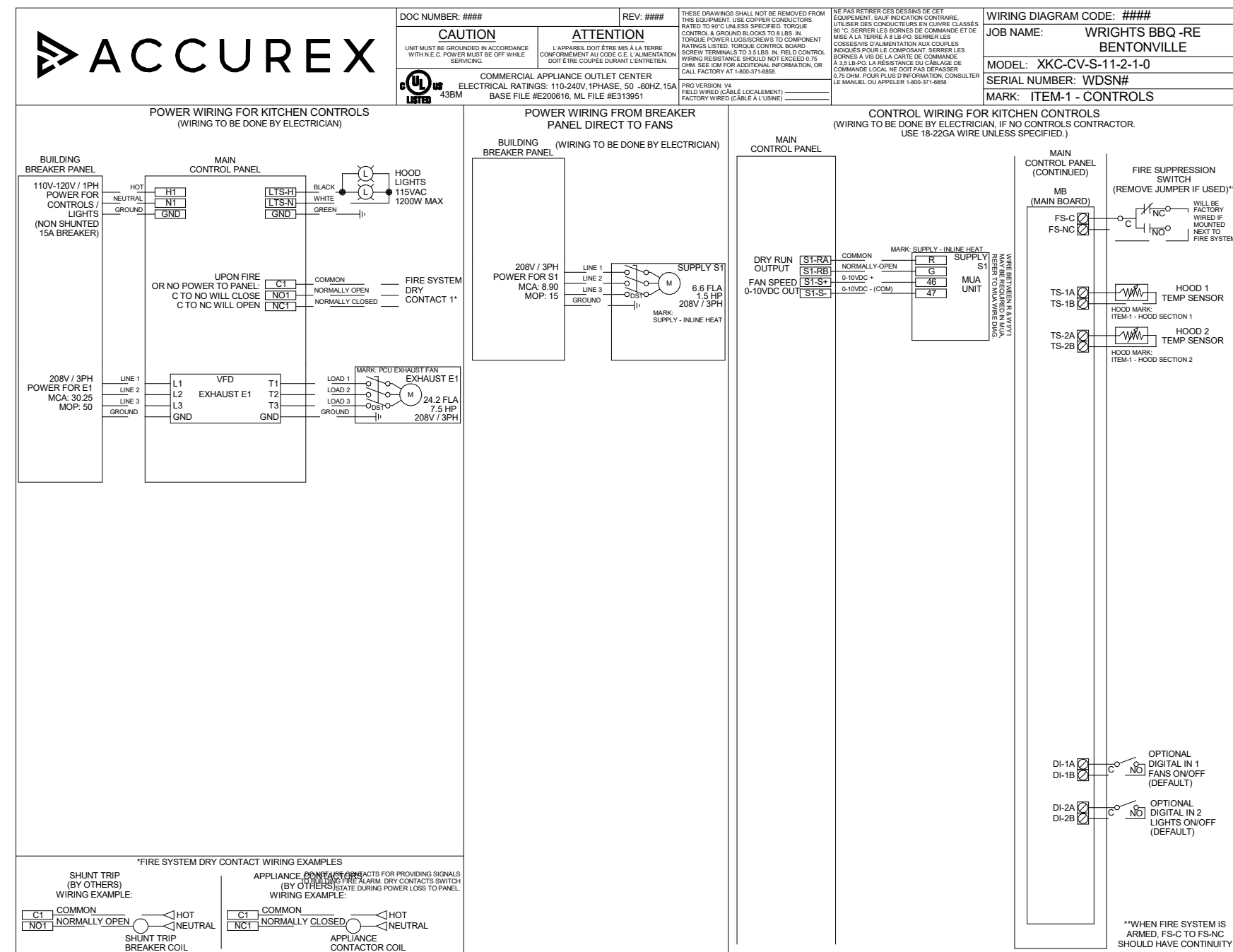
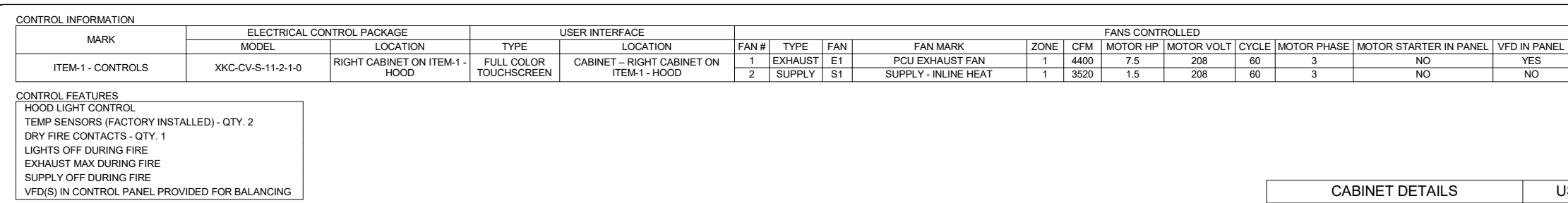
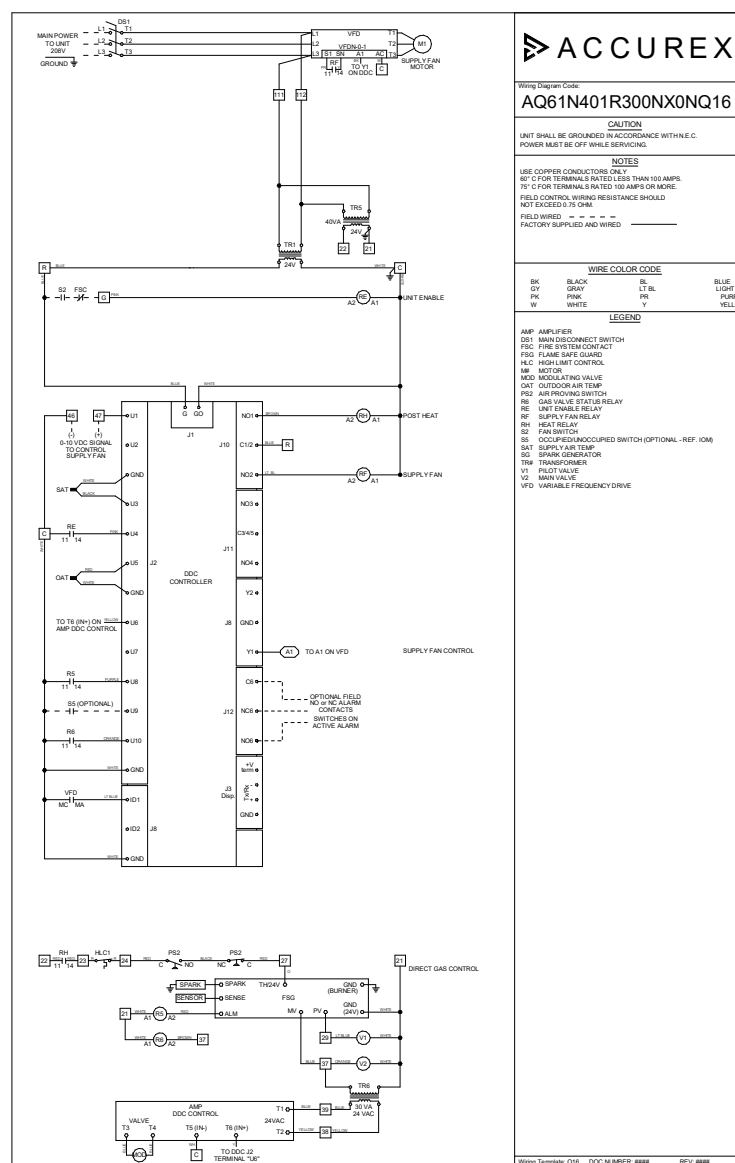
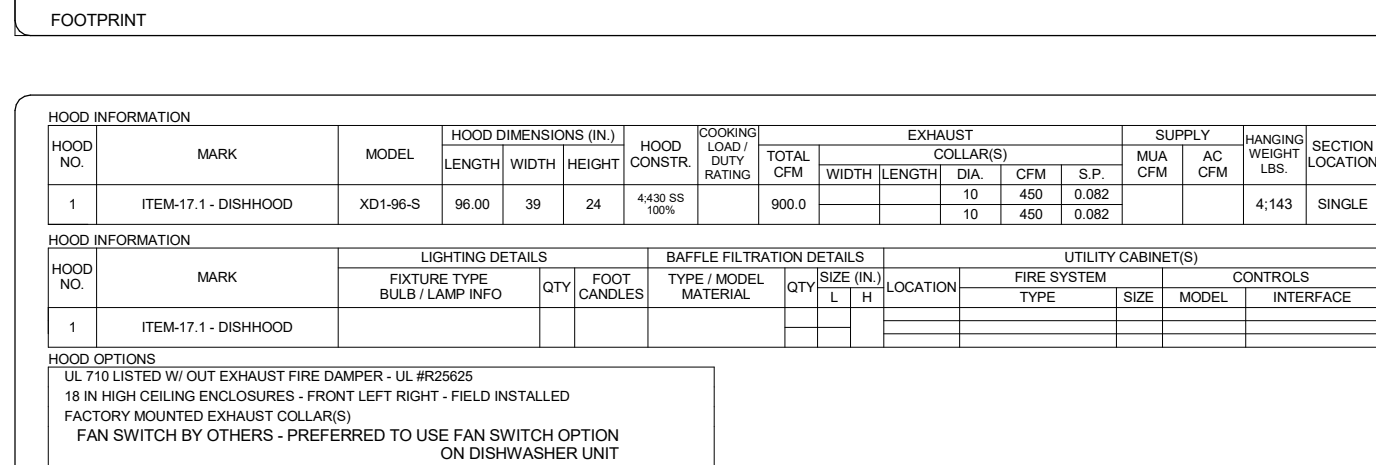
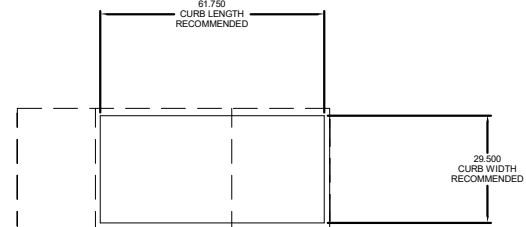
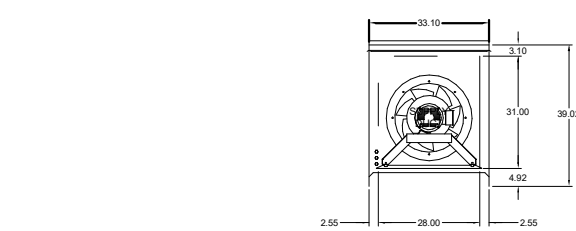


NOTE: Roof Opening Requirements

**Minimum Roof Opening:** The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides.  
For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

**Maximum Roof Opening:** There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb.  
For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. square.

**NOTE:** The weatherhead and filter sections of the make-up air unit are not supported by the curb. This is by design, in order to help alleviate water infiltration issues.



NOTES:  
1) WHEN CONTROLS ARE MOUNTED IN HOOD-MOUNTED OR WALL-MOUNTED UTILITY CABINET, FOR HOOD OR WALL CABINET DIMENSIONS SEE HOOD SUBMITTAL.  
2) MINIMUM OF 36" OF CLEARANCE RECOMMENDED IN FRONT OF CONTROL CABINET

|                    |      |           |                           |
|--------------------|------|-----------|---------------------------|
| ZONE CONFIGURATION |      |           | WIRING DIAGRAM CODE: 0000 |
| ZONE #             | ZONE | ROOM TEMP | JOB NAME: WRIGHTS BENTON  |
| 1                  | 21   | PRESET    | MODEL: XXC-CV-5-11-2-1-2  |

|  |                                       |
|--|---------------------------------------|
|  | SERIAL NUMBER: W02NII                 |
|  | MARK: ITEM-1 - CONTROLS               |
|  | DOC NUMBER: 8889                      |
|  | DEFAULT SETTING<br>PARAMETERS PAGE 10 |
|  | FACILITY SETTINGS                     |

| HOOD CONFIGURATION |      |                         |      |         |        |                 | CONFIGURATION STANDARD ZONE: |
|--------------------|------|-------------------------|------|---------|--------|-----------------|------------------------------|
| HOOD #             | HOOD | HOOD MARK               | ZONE | EXHAUST | SUPPLY | MS-TEMP-SENSORS | HCB                          |
| 1                  | H1   | ITEM 1 - HOOD SECTION 1 | Z1   | E1      | S1     | T51             | NO                           |
| 2                  | H2   | ITEM 1 - HOOD SECTION 2 | Z1   | E1      | S1     | T52             | NO                           |

HOODS: 1  
 HOODS: 2  
 CLAMP: 3  
 EXHAUST FANS: 1  
 SUPPLY FANS: 1  
 MS-TEMP-SENSORS: 2  
 HCB TEMP-SENSORS: 2

HIGH TEMP FAULT: NO  
 F85825 PROTECTION: YES  
 GAS RESET: NO  
 FAN PROVING: NO  
 OMS: NONE  
  
**ZONE SETTINGS**  
 SEE ZONE CONFIGURATION IN THE

**WOOD SETTINGS**  
SEE WOOD CONFIGURATION IN THE

**CHANGES FAN SETTINGS**  
SEE FAN CONFIGURATION IN TABL

**SUPPLY FAN SETTINGS &**

|  |                                      |
|--|--------------------------------------|
|  | SEE FAN CONFIGURATION IN THE         |
|  | <b>SENSOR SETTINGS</b>               |
|  | SEE HOOD CONFIGURATION IN THE        |
|  | <b>USER INTERFACE SETTINGS (MFI)</b> |
|  | FAN & LIGHT BUTTONS SHOW BOTH        |
|  | <b>USER INTERFACE SETTINGS (MFI)</b> |

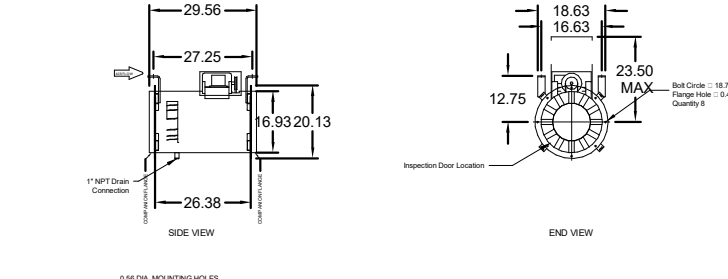
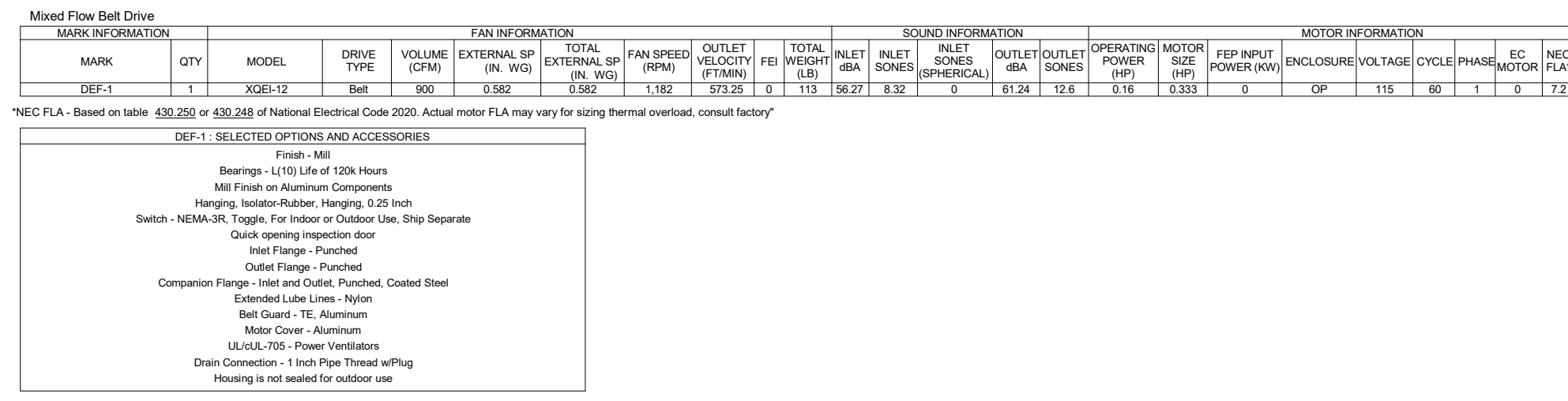
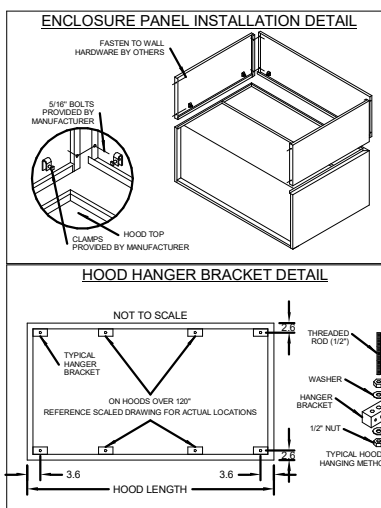
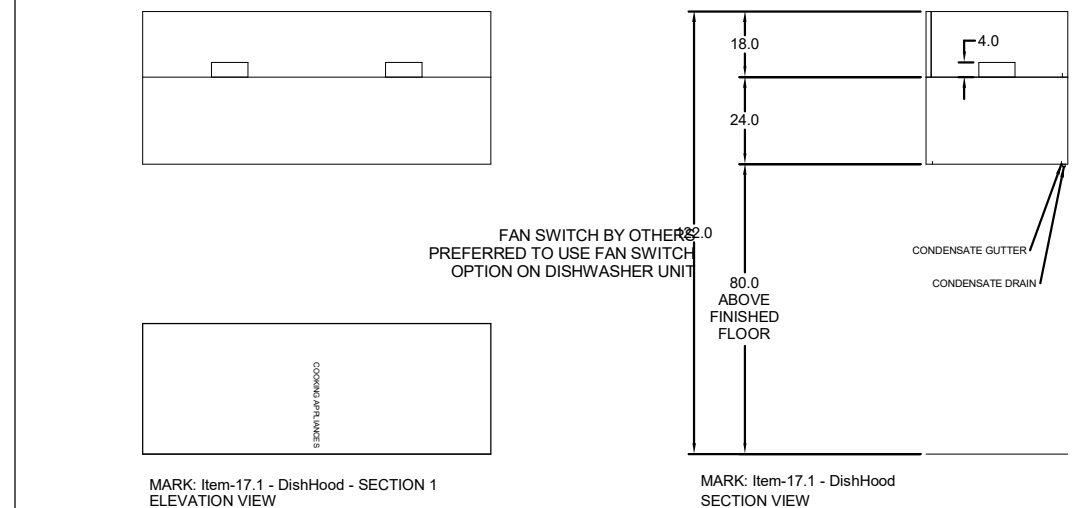
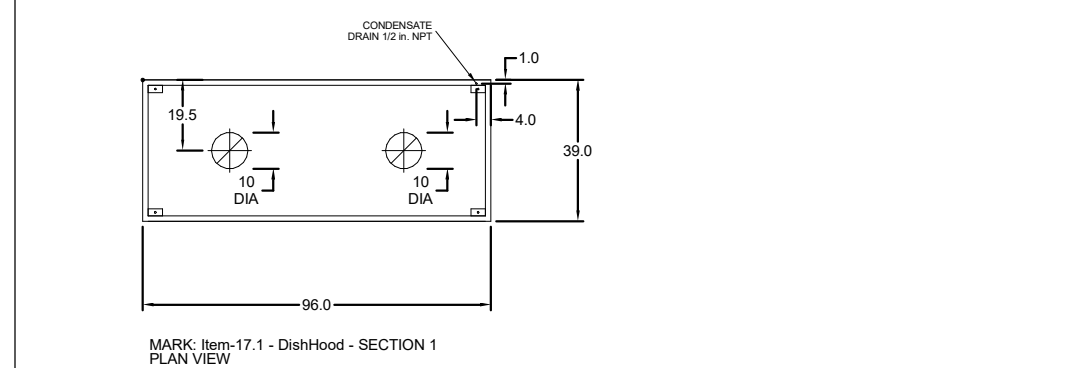
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| GENERAL SETTINGS 4:      | TIME ZONE: CENTRAL DAYLIGHT (C) |
| FIXTURE 1A11 SETTINGS 4: | EXHAUST DURING FIRE: AMXX       |
|                          | SUPPLY DURING FIRE: OFF         |

LEADS EXPENDS PAGE OFF

GRAND TOTALS

NOT

| FAN CONFIGURATION |         |     |                      |      |         |         |            |             |          |          |
|-------------------|---------|-----|----------------------|------|---------|---------|------------|-------------|----------|----------|
| FAN #             | TYPE    | FAN | FAN MARK             | ZONE | MIN CFM | MAX CFM | MODBUS VFD | VFD ADDRESS | MIN FREQ | MAX FREQ |
| 1                 | EXHAUST | 51  | PCU EXHAUST FAN      | Z1   | -       | 400     | YES        | 1           | -        | 60       |
| 2                 | SUPPLY  | 51  | SUPPLY - INLINE HEAT | Z1   | -       | 3600    | NO         | -           | -        | -        |



702 SE 5TH ST STE 50  
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TEL: 479.579.9959

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Contractor is responsible for confirming and correlating dimension at job site; the Architect will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the project.

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**Engineer Name** - ANDREW D FINNEGAN  
**Engineer Number** - 15650

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### KITCHEN EXHAUST HOOD DETAILS

Sheet Number:

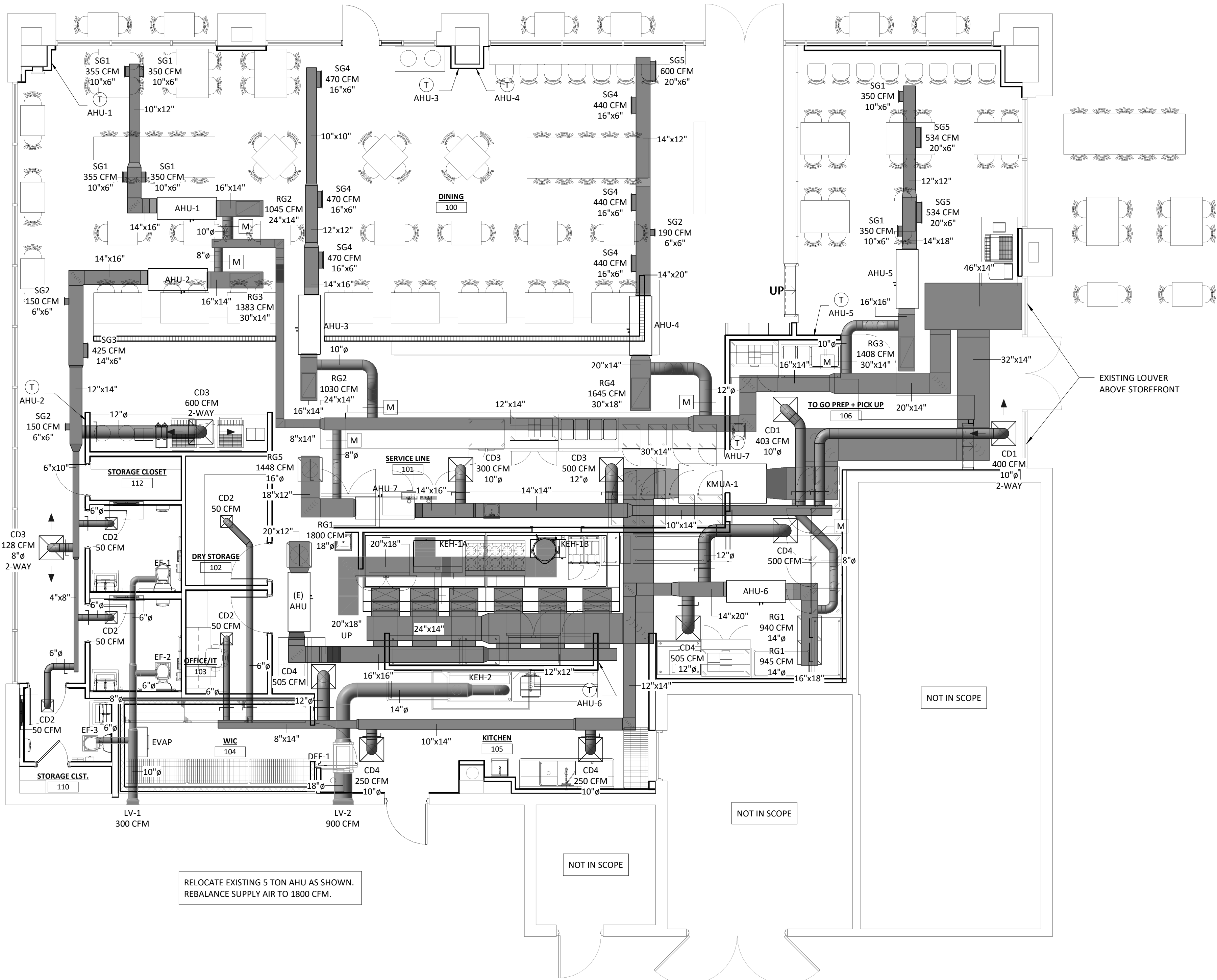
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M1.0  
MECHANICAL PLAN  
3/16" = 1'-0"



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04/11/2025  
Engineer Name - ANDREW D FINNEGAN  
Engineer Number - 15650

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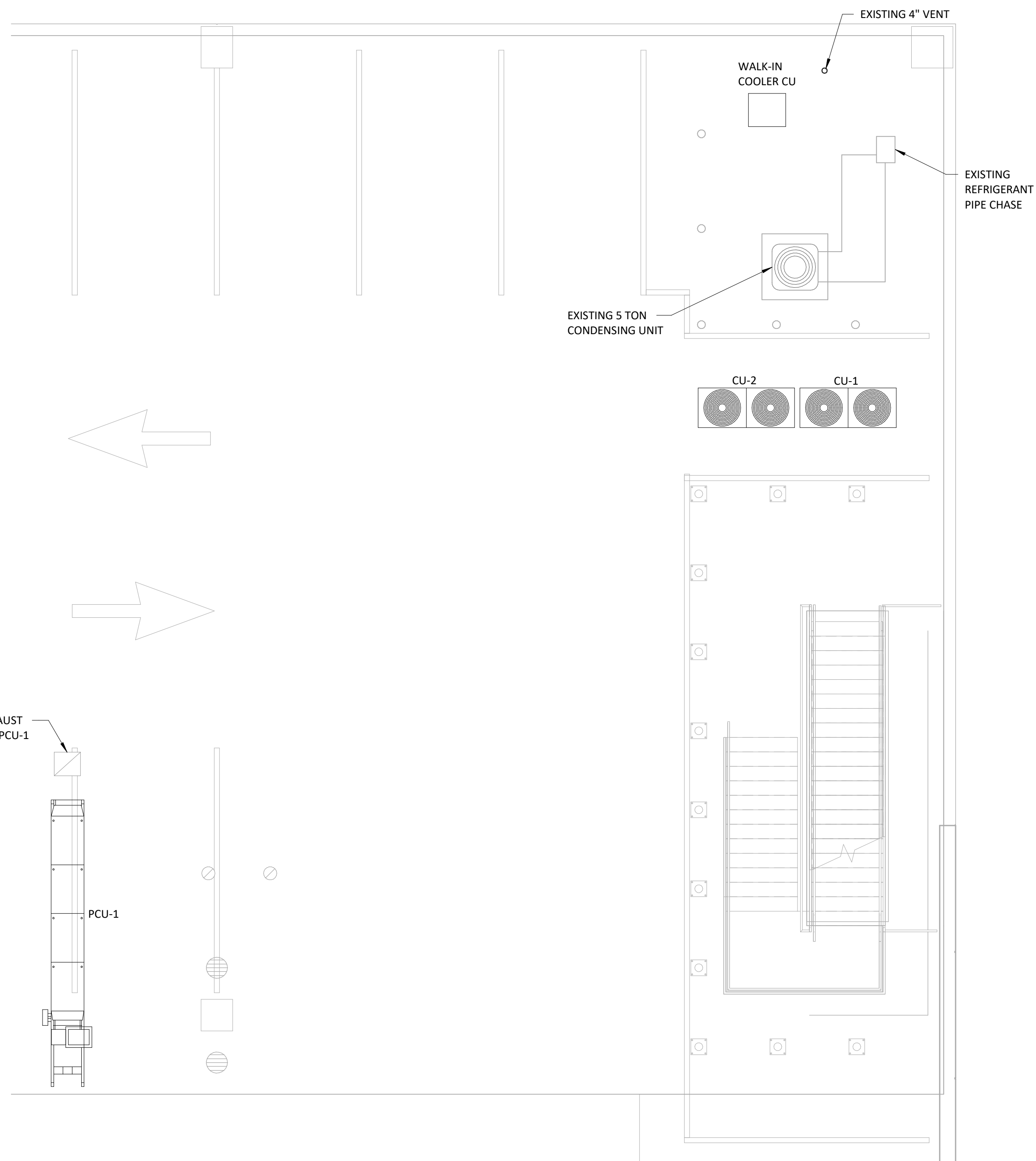
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| Drawing Size:<br>24 x 36 | Project #:<br>24136 |
| Drawn By:<br>ADF         | Checked By:<br>ADF  |

Title:  
MECHANICAL PLANS

Sheet Number:

M1.0

Date: 04/11/2025



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04/11/2025

**Engineer Name** - ANDREW D FINNEGAN

**Engineer Number - 1565**

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| <i>Drawing Size:</i><br>24 x 36 | <i>Project #:</i><br>24136 |
| <i>Drawn By:</i><br>ADF         | <i>Checked By:</i><br>ADF  |

Title

## MECHANICAL PLANS

Sheet Number

## M1.1

Date: 04/11/2025

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3

2

1

| CONDENSING UNIT SCHEDULE |              |                |              |                                |      |                                |      |            |     |      |              |
|--------------------------|--------------|----------------|--------------|--------------------------------|------|--------------------------------|------|------------|-----|------|--------------|
| MARK                     | MANUFACTURER | MODEL          | NOMINAL TONS | NOMINAL COOLING CAPACITY (MBH) | EER  | NOMINAL HEATING CAPACITY (MBH) | COP  | ELECTRICAL |     |      | WEIGHT (LBS) |
|                          |              |                |              |                                |      |                                |      | V/PH/HZ    | MCA | MOCP |              |
| CU                       | SAMSUNG      | AM408BXVGJH/AA | 34           | 408                            |      | 459                            |      | 208/3/60   |     |      |              |
| CU-1                     | SAMSUNG      | AM192BXVGJH/AA | 16           | 192                            | 11.8 | 216                            | 3.55 | 208/3/60   | 60  | 70   | 823          |
| CU-2                     | SAMSUNG      | AM216BXVGJH/AA | 18           | 216                            | 10.9 | 243                            | 3.45 | 208/3/60   | 64  | 80   | 843          |

- NOTES:
- OUTDOOR AMBIENT DESIGN TEMPERATURE 95°F.
  - REFRIGERATION LINE SETS SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.

| AIR HANDLING UNIT SCHEDULE |              |                |              |                |                 |                |                        |          |                        |            |     |      |              |
|----------------------------|--------------|----------------|--------------|----------------|-----------------|----------------|------------------------|----------|------------------------|------------|-----|------|--------------|
| MARK                       | MANUFACTURER | MODEL          | NOMINAL TONS | SUPPLY AIR CFM | OUTSIDE AIR CFM | E.S.P. (IN WC) | COOLING CAPACITY (MBH) |          | HEATING CAPACITY (MBH) | ELECTRICAL |     |      | WEIGHT (LBS) |
|                            |              |                |              |                |                 |                | TOTAL                  | SENSIBLE |                        | V/PH/HZ    | MCA | MOCP |              |
| AHU-1                      | SAMSUNG      | AM048TNZDCH/AA | 4.0          | 1410           | 365             | 0.50           | 48                     | 32.3     | 54                     | 208/1/60   | 2.6 | 15   | 214          |
| AHU-2                      | SAMSUNG      | AM054TNZDCH/AA | 4.5          | 1603           | 220             | 0.50           | 54                     | 37.9     | 60                     | 208/1/60   | 2.6 | 15   | 227          |
| AHU-3                      | SAMSUNG      | AM048TNZDCH/AA | 4.0          | 1410           | 380             | 0.50           | 48                     | 32.3     | 54                     | 208/1/60   | 2.6 | 15   | 214          |
| AHU-4                      | SAMSUNG      | AM072TNZDCH/AA | 6.0          | 2110           | 465             | 0.50           | 72                     | 50.9     | 80                     | 208/1/60   | 7.2 | 15   | 238          |
| AHU-5                      | SAMSUNG      | AM060TNZDCH/AA | 5.0          | 1768           | 360             | 0.50           | 60                     | 41.2     | 64                     | 208/1/60   | 2.6 | 15   | 238          |
| AHU-6                      | SAMSUNG      | AM072TNZDCH/AA | 6.0          | 2110           | 225             | 0.50           | 72                     | 50.9     | 80                     | 208/1/60   | 7.2 | 15   | 238          |
| AHU-7                      | SAMSUNG      | AM054TNZDCH/AA | 4.5          | 1603           | 155             | 0.50           | 54                     | 37.9     | 60                     | 208/1/60   | 2.6 | 15   | 227          |

- NOTES:
- PROVIDE FILTER WITH EACH UNIT.
  - CONDENSATE TRAP SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR. PROVIDE TRAP OF ADEQUATE DEPTH TO PREVENT STATIC FROM OVERCOMING TRAP SEAL. ROUTE TO NEAREST APPROVED RECEPTOR.
  - AUXILIARY DRAIN PAN WITH OVERFLOW SENSOR SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.
  - SET FAN OPERATION TO CONTINUOUS.

| EXHAUST FAN SCHEDULE |              |         |                 |                 |       |     |          |              |         |
|----------------------|--------------|---------|-----------------|-----------------|-------|-----|----------|--------------|---------|
| MARK                 | MANUFACTURER | MODEL   | EXHAUST AIR CFM | E.S.P. (IN. WC) | WATTS | RPM | V/PH/HZ  | WEIGHT (LBS) | NOTES   |
| EF-1                 | GREENHECK    | SP-B110 | 100             | 0.25            | 80    | 950 | 120/1/60 | 10           | A, B, C |
| EF-2                 | GREENHECK    | SP-B110 | 100             | 0.25            | 80    | 950 | 120/1/60 | 10           | A, B, C |
| EF-3                 | GREENHECK    | SP-B110 | 100             | 0.25            | 80    | 950 | 120/1/60 | 10           | A, B, C |

- NOTES:
- PROVIDE GRAVITY BACKDRAFT DAMPER.
  - PROVIDE SPRING VIBRATION ISOLATORS FOR HANGER ROD SUPPORTS.
  - INTERLOCK FAN WITH RESTROOM LIGHTING CONTROLS.

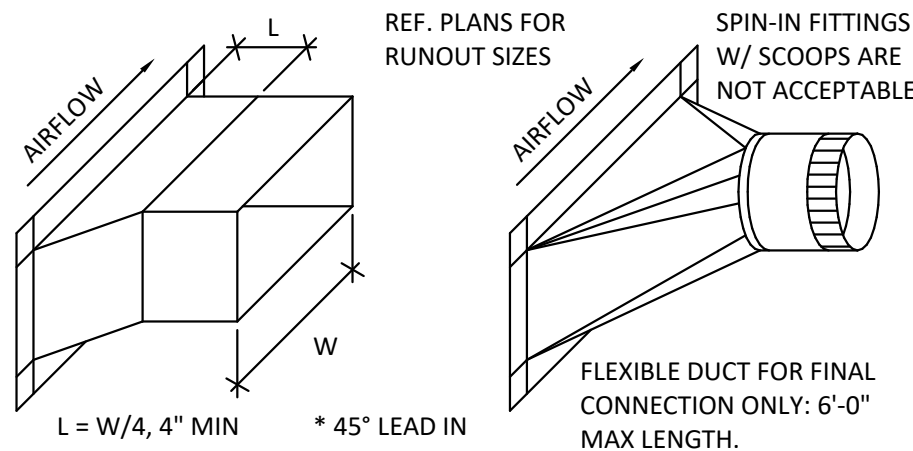
| AIR DEVICE SCHEDULE |              |        |   |           |           |            |        |            |  |
|---------------------|--------------|--------|---|-----------|-----------|------------|--------|------------|--|
| MARK                | MANUFACTURER | MODEL  | STYLE   | FACE SIZE | NECK SIZE | FRAME TYPE | MAX NC | NOTES      |  |
| CD1                 | PRICE        | ASCD   | ALUMINUM ROUND NECK CEILING SUPPLY DIFFUSER   | 24 X 24   | PER PLAN  | LAY-IN     | 30     | A, B, C, D |  |
| CD2                 | PRICE        | ASCD   | ALUMINUM ROUND NECK CEILING SUPPLY DIFFUSER   | 12 X 12   | PER PLAN  | SURFACE    | 30     | A, B, C, D |  |
| CD3                 | PRICE        | ASCD   | ALUMINUM ROUND NECK CEILING SUPPLY DIFFUSER   | 24 X 24   | PER PLAN  | SURFACE    | 30     | A, B, C, D |  |
| CD4                 | CAPTIVEAIRE  | DI-PSP | DROP-IN PSP WITH ROUND SUPPLY COLLAR, SLIDING RADIAL DAMPER, AND DOUBLE PERFORATION LAYER | 24 X 24   | PER PLAN  | LAY-IN     | 30     | A, B, D    |  |
| RG1                 | PRICE        | 80     | ALUMINUM EGGRATE CEILING RETURN GRILLE  | 24 X 24   | PER PLAN  | LAY-IN     | 30     | A, B, C, D |  |
| RG2                 | PRICE        | 635    | ALUMINUM SIDEWALL RETURN GRILLE   | 26 X 16   | 24 X 14   | SURFACE    | 30     | A, C, D    |  |
| RG3                 | PRICE        | 635    | ALUMINUM SIDEWALL RETURN GRILLE   | 32 X 16   | 30 X 14   | SURFACE    | 30     | A, C, D    |  |
| RG4                 | PRICE        | 635    | ALUMINUM SIDEWALL RETURN GRILLE   | 32 X 20   | 30 X 18   | SURFACE    | 30     | A, C, D    |  |
| RG5                 | PRICE        | 80     | ALUMINUM EGGRATE CEILING RETURN GRILLE  | 24 X 24   | PER PLAN  | SURFACE    | 30     | A, B, C, D |  |
| SG1                 | PRICE        | 620D   | ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE  | 12 X 8    | 10 X 6    | SURFACE    | 30     | A, C, D, E |  |
| SG2                 | PRICE        | 620D   | ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE  | 8 X 8     | 6 X 6     | SURFACE    | 30     | A, C, D, E |  |
| SG3                 | PRICE        | 620D   | ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE  | 16 X 8    | 14 X 6    | SURFACE    | 30     | A, C, D, E |  |
| SG4                 | PRICE        | 620D   | ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE  | 18 X 8    | 16 X 6    | SURFACE    | 30     | A, C, D, E |  |
| SG5                 | PRICE        | 620D   | ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE  | 22 X 8    | 20 X 6    | SURFACE    | 30     | A, C, D, E |  |

- NOTES:
- DIFFUSER NECK SIZE SHALL BE SAME AS BRANCH DUCT SIZE UNLESS NOTED OTHERWISE.
  - DAMPER AT TAKE-OFF TO DEVICE.
  - PROVIDE NECK FOR DUCT CONNECTION.
  - COORDINATE COLOR WITH ARCHITECT AND OWNER.
  - PROVIDE OPPOSED BLADE DAMPER IN NECK.

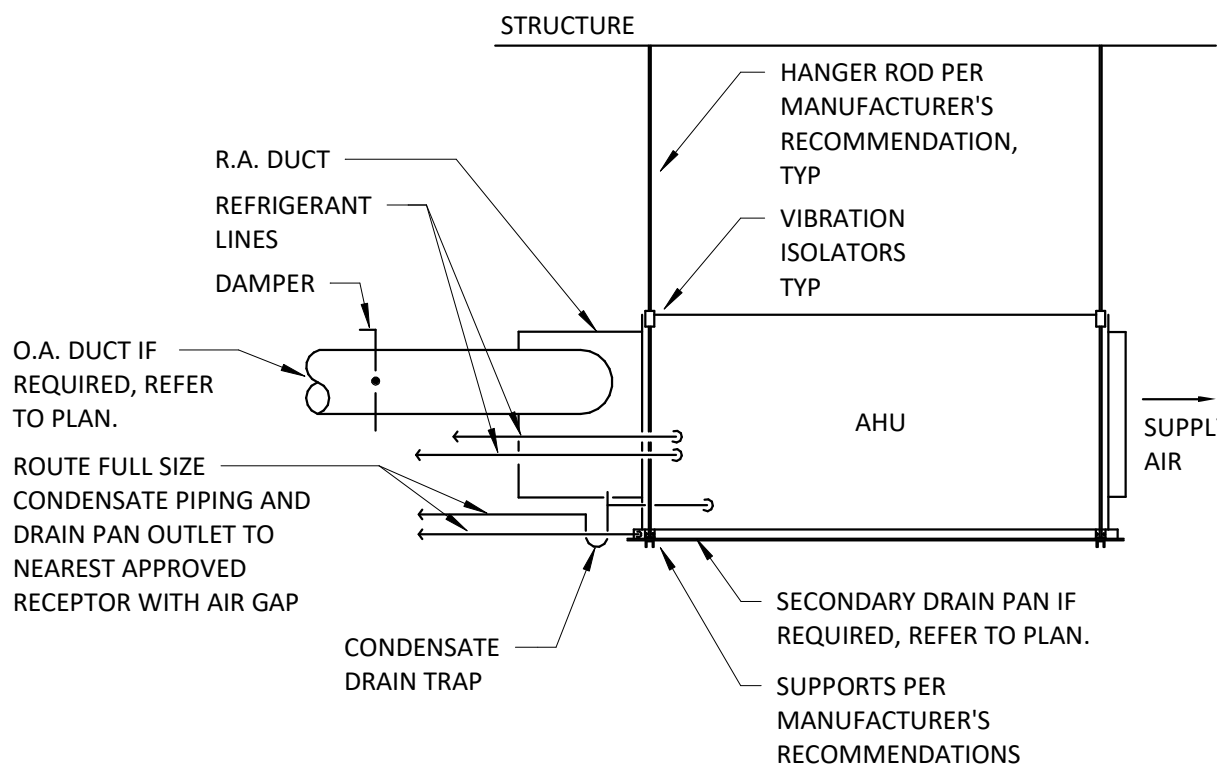
| LOUVER SCHEDULE |              |         |           |                         |   |
|-----------------|--------------|---------|-----------|-------------------------|---|
| MARK            | MANUFACTURER | MODEL   | SIZE      | NET FREE AREA (SQ. FT.) | DESCRIPTION   |
| LV-1            | GREENHECK    | ESJ-401 | 12" X 12" | 0.29                    | ALUMINUM STATIONARY FIXED BLADE LOUVER NON-DRAINABLE WITH INSECT SCREEN |
| LV-2            | GREENHECK    | ESJ-401 | 20" X 20" | 1.12                    | ALUMINUM STATIONARY FIXED BLADE LOUVER NON-DRAINABLE WITH INSECT SCREEN |

| OSA CALCULATIONS |                    |          |                  |                  |                |                     |                     |
|------------------|--------------------|----------|------------------|------------------|----------------|---------------------|---------------------|
| ROOM             | CLASSIFICATION     | AREA FT2 | CFM PER AREA FT2 | NUMBER OF PEOPLE | CFM PER PERSON | OUTSIDE AIR CFM Vbz | OUTSIDE AIR CFM Voz |
| DINING 1A        | DINING ROOMS       | 330      | 0.18             | 31               | 7.5            | 291.9               | 364.875             |
| SERVICE LINE     | SALES              | 342      | 0.12             | 3                | 7.5            | 63.54               | 79.425              |
| DRY STORAGE      | STORAGE ROOMS      | 71       | 0.12             | 0                | 0              | 8.52                | 10.65               |
| OFFICE           | OFFICE SPACE       | 54       | 0.06             | 1                | 5              | 8.24                | 10.3                |
| KITCHEN          | KITCHENS (COOKING) | 580      | 0.12             | 6                | 7.5            | 114.6               | 143.25              |
| TO GO PREP       | KITCHENS (COOKING) | 187      | 0.12             | 5                | 7.5            | 59.94               | 74.925              |
| STORAGE CLOSETS  | STORAGE ROOMS      | 41       | 0.12             | 0                | 0              | 4.92                | 6.15                |
| HALLWAY          | CORRIDORS          | 110      | 0.06             | 0                | 0              | 6.6                 | 8.25                |
| DINING 2         | DINING ROOMS       | 552      | 0.18             | 27               | 7.5            | 301.86              | 377.325             |
| DINING 3         | DINING ROOMS       | 726      | 0.18             | 32               | 7.5            | 370.68              | 463.35              |
| DISH AREA        | KITCHENS (COOKING) | 261      | 0.12             | 2                | 7.5            | 46.32               | 57.9                |
| RAISED DINING    | DINING ROOMS       | 504      | 0.18             | 26               | 7.5            | 285.72              | 357.15              |
| DINING 1B        | DINING ROOMS       | 330      | 0.18             | 14               | 7.5            | 164.4               | 205.5               |
| TOTAL            |                    |          |                  |                  |                |                     | 2159.05             |

$$E_z = 0.8 \quad V_{bz} = R_p P_z + R_d A_z \quad V_{oz} = V_{bz} / E_z$$



2  
M2.0  
BRANCH DUCT FITTING  
N.T.S.



1  
M2.0  
HORIZONTAL AHU DETAIL  
N.T.S.

| AIR BALANCE SCHEDULE |                 |                 |
|----------------------|-----------------|-----------------|
| MARK                 | OUTSIDE AIR CFM | EXHAUST AIR CFM |
| (E) AHU              | 0               |                 |
| AHU-1                | 365             |                 |
| AHU-2                | 220             |                 |
| AHU-3                | 380             |                 |
| AHU-4                | 465             |                 |
| AHU-5                | 360             |                 |
| AHU-6                | 225             |                 |
| AHU-7                | 155             |                 |
| KMUA-1               | 3520            |                 |
| EF-1                 |                 | 100             |
| EF-2                 |                 | 100             |
| EF-3                 |                 | 100             |
| DEF-1                |                 | 900             |
| PCU-1                |                 | 4400            |
| TOTAL                | 5690            | 5600            |

## MECHANICAL GENERAL NOTES

- NOTES APPLY TO ALL MECHANICAL SHEETS.
- EACH CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK.
- PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
- EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
- DURING INSTALLATION OF NEW WORK, AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN. REPAIR DAMAGE CAUSED DURING CONSTRUCTION AT NO EXTRA COST TO THE OWNER.
- ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.
- NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
- DUCTWORK IDENTIFICATION AND INSTALLATION SHALL ADHERE TO GOVERNING CODES.
- INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED.
- OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF.
- COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT.
- SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
- COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
- SPRINKLER HEAD AND LIGHTING FIXTURE LOCATIONS TAKE PRECEDENCE OVER DIFFUSER LOCATIONS. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID, SPRINKLER, AND LIGHTING LOCATIONS.
- ALL CEILING DIFFUSERS ARE 4-WAY PATTERN UNLESS NOTED OTHERWISE.
- LOCATE AND SET THERMOSTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL DEVICES WITH TOP OF DEVICE AT MAXIMUM 48" AFF TO MEET ADA REQUIREMENTS UNLESS NOTED OTHERWISE ON PLANS. INSTALL WIRING IN CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR.
- DUCTWORK CROSSING FIRE RATED WALLS OR OTHER FIRE RATED ASSEMBLIES SHALL BE MINIMUM 26 GAUGE SHEET METAL.
- PROVIDE FIRE OR FIRE/SMOKE DAMPERS, AS APPLICABLE, IN DUCTWORK AT CEILINGS AND WALLS AT LOCATIONS SHOWN ON THE PLANS. FIRE AND FIRE/SMOKE DAMPERS SHALL CONFORM TO NFPA AS APPLICABLE. COORDINATE SLEEVE LENGTH WITH REQUIREMENTS OF INSTALLED LOCATION.
- PROVIDE WALL OR DUCT ACCESS PANELS OR DOORS FOR ACCESS TO FIRE AND FIRE/SMOKE DAMPERS. ACCESS PANEL OR DOOR SHALL BE MINIMUM SIZE OF 10" BY 10" AND SHALL BE INSTALLED WITHIN 12" OF DAMPER. PROVIDE A REMOVABLE DUCT SECTION WHERE DUCT SIZE IS TOO SMALL FOR A 10" BY 10" ACCESS DOOR.
- PROVIDE A MANUAL BALANCING DAMPER IN EACH BRANCH DUCT TAKEOFF FROM MAIN SUPPLY, RETURN, OUTDOOR AND EXHAUST AIR DUCTS. LOCATE DAMPERS A MINIMUM 4'-0" AWAY FROM DIFFUSERS. PROVIDE ACCESS AS REQUIRED.
- PROVIDE A PREFABRICATED 45 DEGREE, HIGH EFFICIENCY, RECTANGULAR/ROUND BRANCH DUCT TAKEOFF FITTING WITH MANUAL BALANCING DAMPER AND LOCKING QUADRANT FOR BRANCH DUCT CONNECTIONS AND TAKE-OFFS TO INDIVIDUAL DIFFUSERS, REGISTERS AND GRILLES.
- BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS OTHERWISE NOTED. TYPICAL BRANCH DUCT FITTING DETAIL IS APPLICABLE THROUGHOUT.
- RIGID DUCTWORK INSULATION: PROVIDE 3/4 LB DENSITY, 2" R-6 THICK, INSULATION WRAP ON RIGID ROUND AND RECTANGULAR, CONCEALED, SUPPLY AND RETURN AIR DUCTS AND ON OUTSIDE AIR DUCTS. CONTRACTOR'S OPTION TO FURNISH AND INSTALL 1-1/2 LB DENSITY, 1-1/2" R-6 THICK INTERNAL DUCT LINER ON RECTANGULAR SUPPLY AND RETURN AIR DUCTS IN LIEU OF DUCTWRAP.
- DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS AND REPRESENTATIVE OF THE INSIDE EQUIVALENT FREE AREA REQUIRED TO MAINTAIN THE AIR FLOW SPECIFIED. IF DUCT LINING IS REQUIRED, INCREASE DUCT SIZE TO MAINTAIN ORIGINAL INSIDE DIMENSIONS. IF DUCT SIZES NEED TO BE ALTERED FOR SPACE REQUIREMENTS, ENSURE THE ORIGINAL INSIDE DUCT EQUIVALENT FREE AREA IS MAINTAINED.
- CONTRACTOR'S OPTION TO SUBSTITUTE ROUND DUCT OF EQUAL FREE AREA FOR RECTANGULAR DUCT AND VICE VERSA. DIMENSIONS OF RECTANGULAR DUCT MAY BE ADJUSTED AS NECESSARY TO INSTALL DUCT IN AVAILABLE SPACE AS LONG AS FREE AREA IS MAINTAINED.
- PROVIDE THERMAFLEX TYPE G-KM, M-KE, FLEXMASTER TYPE 8, OR APPROVED EQUAL FLEXIBLE DUCTWORK. FLEXIBLE DUCTWORK SHALL BE LISTED UNDER UL 181 AS CLASS 1 AIR DUCT AND BE PROVIDED WITH INTEGRAL R-6, 3/4 LB DENSITY FIBERGLASS INSULATION. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0" IN LENGTH AND SHALL BE INSTALLED AND SUPPORTED TO AVOID SHARP BENDS AND SAGGING.
- FOR ALL EXPOSED DUCTWORK, PROVIDE DUCT THAT IS SUITABLE FOR PAINTING. ENSURE THAT ALL EXPOSED DUCTWORK IS PROPERLY PREPARED AND READY FOR PAINTING. COORDINATE COLOR WITH ARCHITECT.
- PROVIDE A NEW SET OF AIR FILTERS IN UNITS PRIOR TO TESTING. ADJUSTING AND BALANCING AND BEFORE TURNING SYSTEM(S) OVER TO OWNER.
- PROVIDE A COMPLETE TEST AND BALANCE FOR HVAC SYSTEM. AIR BALANCE SHALL BE WITHIN 5% OF SCHEDULED AIRFLOWS.
- INSTALL VTR'S AND EXHAUST FANS A MINIMUM OF 10 FT FROM OUTSIDE AIR INTAKE.

| MECHANICAL SYMBOLS                         |   |
|--|---|
| (SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS) |   |
| SYMBOL                                     | DESCRIPTION   |
|  | RECTANGULAR DUCT 18" WIDE BY 12" DEEP (INSIDE CLEAR DIMENSIONS)                             |
|  | 12"Ø DIAMETER ROUND DUCT (INSIDE CLEAR DIMENSIONS)  |
|  | SUPPLY DUCT IN SECTION  |
|  | RETURN OR EXHAUST DUCT IN SECTION   |
|  | ELBOW WITH TURNING VANES  |
|  | VOLUME/BALANCE DAMPER   |
|  | MOTORIZED DAMPER  |
|  | SUPPLY AIR DIFFUSER   |
|  | RETURN OR EXHAUST AIR GRILLE  |
|  | DIFFUSER OR GRILLE TYPE<br>BRANCH DUCT & NECK SIZE<br>CFM                                   |
|  | THERMOSTAT  |
|  | TEMPERATURE SENSOR  |
|  | HUMIDISTAT  |
|  | FIRE DAMPER   |
|  | SMOKE DETECTOR  |
| ANNOTATION                                 |   |
|  | MECHANICAL PLAN KEYNOTE   |
|  | MECHANICAL EQUIPMENT DESIGNATION  |
|  | CONNECTION POINT OF NEW WORK TO EXISTING  |
|  | DETAIL REFERENCE: UPPER NUMBER INDICATES DETAIL NUMBER, LOWER NUMBER INDICATES SHEET NUMBER |
|  | SECTION CUT DESIGNATION   |
| ABBREVIATIONS                              |   |
| AFF  | ABOVE FINISHED FLOOR  |
| AFG  | ABOVE FINISHED GRADE  |
| AHJ  | AUTHORITY HAVING JURISDICTION   |
| BAS  | BUILDING AUTOMATION SYSTEM  |
| BFF  | BELOW FINISHED FLOOR  |
| CFM  | CUBIC FEET PER MINUTE   |
| DDC  | DIRECT DIGITAL CONTROL  |
| EA   | EXHAUST AIR   |
| EC   | ELECTRICAL CONTRACTOR   |
| ETR  | EXISTING TO REMAIN  |
| GC   | GENERAL CONTRACTOR  |
| IN WC                                      | INCHES OF WATER COLUMN  |
| MAX  | MAXIMUM   |
| MBH  | 1000 BTU PER HOUR   |
| MC   | MECHANICAL CONTRACTOR   |
| MFR  | MANUFACTURER  |
| MIN  | MINIMUM   |
| OSA  | OUTSIDE AIR   |
| PC   | PLUMBING CONTRACTOR   |
| RA   | RETURN AIR  |
| RC   | REFRIGERATION CONTRACTOR  |
| REF  | REFERENCE   |
| SA   | SUPPLY AIR  |
| TYP  | TYPICAL   |
| UNO  | UNLESS NOTED OTHERWISE  |
| VTR  | VENT THRU ROOF  |



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Contractor is responsible for confirming and correlating dimensions at job site. The Architect will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the project.

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CLIENT NAME

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WRIGHT'S BBQ WALMART  
CAMPUS INFILL  
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04/11/2025  
**Engineer Name** - ANDREW D FINNEGAN  
**Engineer Number** - 15550

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|-------------|------|
| NO.         | DATE |
| DESCRIPTION |      |

Drawing Size:  
24 x 36

Project #:  
24136

Drawn By:  
ADF

Checked By:  
ADF

Title:  
MECHANICAL NOTES,  
DETAILS, AND  
SCHEDULES

Sheet Number:

M2.0

Date: 04/11/2025



MECHANICAL SPECIFICATIONS

1: GENERAL

1.1 GENERAL REQUIREMENTS

REQUIREMENTS UNDER DIVISION ONE AND THE GENERAL AND SUPPLEMENTARY CONDITIONS OF THESE SPECIFICATIONS SHALL BE A PART OF THIS SECTION. THE CONTRACTOR SHALL BECOME THOROUGHLY ACQUAINTED WITH ITS CONTENTS AS TO REQUIREMENTS THAT AFFECT THIS DIVISION OR SECTION. THE WORK REQUIRED UNDER THIS SECTION INCLUDES MATERIAL, EQUIPMENT, APPLIANCES, TRANSPORTATION, SERVICES, AND LABOR REQUIRED TO COMPLETE THE ENTIRE SYSTEM AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.

THE SPECIFICATIONS AND DRAWINGS FOR THE PROJECTS ARE COMPLEMENTARY, AND PORTIONS OF THE WORK DESCRIBED IN ONE, SHALL BE PROVIDED AS IF DESCRIBED IN BOTH. IN THE EVENT OF DISCREPANCIES, NOTIFY THE ENGINEER AND/OR OWNER AND REQUEST CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK INVOLVED.

1.2 INSPECTION OF SITE

PRIOR TO SUBMITTING BID, VISIT THE SITE OF THE PROPOSED WORK AND BECOME FULLY INFORMED AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. FAILURE TO DO SO WILL NOT BE CONSIDERED SUFFICIENT JUSTIFICATION TO REQUEST OR OBTAIN EXTRA COMPENSATION OVER AND ABOVE THE CONTRACT PRICE.

1.3 MATERIAL AND WORKMANSHIP

PROVIDE NEW MATERIAL, EQUIPMENT, AND APPARATUS UNDER THIS CONTRACT UNLESS OTHERWISE STATED HEREIN, OF BEST QUALITY NORMALLY USED FOR THE PURPOSE IN GOOD COMMERCIAL PRACTICE, AND FREE FROM ANY DEFECTS. MODEL NUMBERS LISTED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS ARE NOT NECESSARILY INTENDED TO DESIGNATE THE REQUIRED TRIM, WRITTEN DESCRIPTIONS OF THE TRIM GOVERN MODEL NUMBERS.

WORK PERFORMED UNDER THIS CONTRACT SHALL PROVIDE A NEAT AND "WORKMANLIKE" APPEARANCE WHEN COMPLETED. TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER. WORKMANSHIP SHALL BE THE FINEST POSSIBLE BY EXPERIENCED MECHANICS. INSTALLATIONS SHALL COMPLY WITH APPLICABLE CODES AND LAWS.

THE COMPLETE INSTALLATION SHALL FUNCTION AS DESIGNED AND INTENDED WITH RESPECT TO EFFICIENCY, CAPACITY, NOISE LEVEL, ETC. ABNORMAL NOISE CAUSED BY RATTLING EQUIPMENT, PIPING, DUCTS, AIR DEVICES, AND SQUEAKS IN ROTATING COMPONENTS WILL NOT BE ACCEPTABLE. IN GENERAL, MATERIALS AND EQUIPMENT SHALL BE OF COMMERCIAL SPECIFICATION GRADE IN QUALITY. LIGHT DUTY AND RESIDENTIAL TYPE EQUIPMENT WILL NOT BE ACCEPTED.

REMOVE FROM THE PREMISES WASTE MATERIAL PRESENT AS A RESULT OF WORK, INCLUDING CARTONS, CRATING, PAPER, STICKERS, AND/OR EXCAVATION MATERIAL NOT USED IN BACKFILLING, ETC. CLEAN EQUIPMENT INSTALLED UNDER THIS CONTRACT TO PRESENT A NEAT AND CLEAN INSTALLATION AT THE TERMINATION OF THE WORK.

REPAIR OR REPLACE PUBLIC AND PRIVATE PROPERTY DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT TO THE SATISFACTION OF AUTHORITIES AND REGULATIONS HAVING JURISDICTION.

1.4 COORDINATION

COORDINATE WORK WITH THAT OF OTHER TRADES SO THAT THE VARIOUS COMPONENTS OF THE SYSTEMS WILL BE INSTALLED AT THE PROPER TIME, WILL FIT THE AVAILABLE SPACE, AND WILL ALLOW PROPER SERVICE ACCESS TO THOSE ITEMS REQUIRING MAINTENANCE. COMPONENTS WHICH ARE INSTALLED WITHOUT REGARD TO THE ABOVE SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER.

UNLESS OTHERWISE INDICATED, THE GENERAL CONTRACTOR WILL PROVIDE CHASES AND OPENINGS IN BUILDING CONSTRUCTION REQUIRED FOR INSTALLATION OF THE SYSTEMS SPECIFIED HEREIN. THE CONTRACTOR SHALL FURNISH THE GENERAL CONTRACTOR WITH INFORMATION WHERE CHASES AND OPENINGS ARE REQUIRED, KEEP INFORMED AS TO THE WORK OF OTHER TRADES ENGAGED IN THE CONSTRUCTION OF THE PROJECT, AND EXECUTE WORK IN A MANNER AS TO NOT INTERFERE WITH OR DELAY THE WORK OF OTHER TRADES.

FIGURED DIMENSIONS SHALL BE TAKEN IN PREFERENCE TO SCALE DIMENSIONS. CONTRACTOR SHALL TAKE HIS OWN MEASUREMENTS AT THE BUILDING, AS VARIATIONS MAY OCCUR. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ERRORS THAT COULD HAVE BEEN AVOIDED BY PROPER CHECKING AND INSPECTION.

PROVIDE MATERIALS WITH TRIM THAT WILL PROPERLY FIT THE TYPES OF CEILING, WALL, OR FLOOR FINISHES ACTUALLY INSTALLED. MODEL NUMBERS LISTED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS ARE NOT INTENDED TO DESIGNATE THE REQUIRED TRIM.

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR DUCTWORK LAYOUT TO THE CONSTRUCTION MANAGER FOR OWNER APPROVAL PRIOR TO INSTALLATION.

1.5 ORDINANCES AND CODES

WORK PERFORMED UNDER THIS CONTRACT SHALL, AT A MINIMUM, BE IN CONFORMANCE WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES HAVING JURISDICTION. EQUIPMENT FURNISHED AND ASSOCIATED INSTALLATION WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN STRICT COMPLIANCE WITH CURRENT APPLICABLE CODES ADOPTED BY THE LOCAL A/HI INCLUDING ANY AMENDMENTS AND STANDARDS AS SET FORTH BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), UNDERWRITERS LABORATORIES (UL), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS (ASHRAE), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AMERICAN SOCIETY OF TESTING MATERIALS (ASTM), AND OTHER NATIONAL STANDARDS AND CODES WHERE APPLICABLE. WHERE THE CONTRACT DOCUMENTS EXCEED THE REQUIREMENTS OF THEIR REFERENCED CODES, STANDARDS, ETC., THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE.

PROCURE AND PAY FOR PERMITS AND LICENSES REQUIRED FOR THE ACCOMPLISHMENT OF THE WORK HEREIN DESCRIBED. WHERE REQUIRED, OBTAIN, PAY FOR, AND FURNISH CERTIFICATES OF INSPECTION TO THE OWNER. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR VIOLATIONS OF THE LAW.

1.6 PROTECTION OF EQUIPMENT AND MATERIALS

STORE AND PROTECT FROM DAMAGE EQUIPMENT AND MATERIALS DELIVERED TO JOB SITE. COVER WITH WATERPROOF, TEAR-RESISTANT, HEAVY TARP OR POLYETHYLENE PLASTIC AS REQUIRED TO PROTECT FROM PLASTER, DIRT, PAINT, WATER, OR PHYSICAL DAMAGE. EQUIPMENT AND MATERIAL THAT HAS BEEN DAMAGED BY CONSTRUCTION ACTIVITIES WILL BE REJECTED, AND CONTRACTOR IS OBLIGATED TO FURNISH NEW EQUIPMENT AND MATERIAL OF A LIKE KIND AS APPROVED BY OWNER.

KEEP PREMISES CLEAN FROM FOREIGN MATERIAL CREATED DURING WORK PERFORMED UNDER THIS CONTRACT. PIPING, EQUIPMENT, ETC., SHALL HAVE A NEAT AND CLEAN APPEARANCE AT THE TERMINATION OF THE WORK.

PLUG OR CAP OPEN ENDS OF DUCTWORK AND PIPING SYSTEMS WHILE STORED OR INSTALLED DURING CONSTRUCTION WHEN NOT IN USE THE PREVENT THE ENTRANCE OF DEBRIS INTO THE SYSTEMS.

1.7 SUBSTITUTIONS

THE BASE BID SHALL INCLUDE ONLY THE PRODUCTS FROM MANUFACTURERS SPECIFICALLY NAMED IN THE DRAWINGS AND SPECIFICATIONS. NO SUBSTITUTION WILL BE CONSIDERED PRIOR TO RECEIPT OF BIDS UNLESS WRITTEN REQUEST FOR APPROVAL TO BID HAS BEEN RECEIVED BY THE ENGINEER AT LEAST TEN CALENDAR DAYS PRIOR TO THE DATE FOR RECEIPT OF BIDS. EACH SUCH REQUEST SHALL INCLUDE THE NAME OF THE MATERIAL OR EQUIPMENT FOR WHICH IT IS TO BE SUBSTITUTED AND A COMPLETE DESCRIPTION OF THE PROPOSED SUBSTITUTE INCLUDING DRAWINGS, CUTS, PERFORMANCE AND TEST DATA AND OTHER INFORMATION NECESSARY FOR AN EVALUATION. A STATEMENT SETTING FORTH CHANGES IN OTHER MATERIALS, EQUIPMENT OR OTHER WORK THAT INCORPORATION OF THE SUBSTITUTE WOULD REQUIRE SHALL BE INCLUDED. THE BURDEN OF PROOF OF THE MERIT OF THE PROPOSED SUBSTITUTE IS UPON THE PROPOSER. THE ENGINEER'S DECISION OF APPROVAL OR DISAPPROVAL TO BID OF A PROPOSED SUBSTITUTION SHALL BE FINAL.

THE TERMS "APPROVED", "APPROVED EQUAL", AND "EQUAL" REFER TO APPROVAL BY THE ENGINEER AS AN ACCEPTABLE ALTERNATE BID. NO SUBSTITUTIONS WILL BE CONSIDERED THAT ARE NOT BID AS AN ALTERNATE. NO MATERIAL SUBSTITUTIONS SHALL BE CONSIDERED FOR APPROVAL PRIOR TO AWARD OF CONTRACT.

COORDINATE AND VERIFY WITH OTHER TRADES WHETHER OR NOT THE SUBSTITUTED EQUIPMENT CAN BE INSTALLED AS SHOWN ON THE CONSTRUCTION DRAWINGS WITHOUT MODIFICATION TO ASSOCIATED SYSTEMS OR ARCHITECTURAL OR ENGINEERING DESIGN. INCLUDE ADDITIONAL COSTS FOR ARCHITECTURAL AND ENGINEERING DESIGN FEES IN BID IF DRAWING MODIFICATIONS ARE REQUIRED BECAUSE OF SUBSTITUTED EQUIPMENT.

1.8 OPERATION AND MAINTENANCE INSTRUCTIONS

COLLECT AND COMPILE A COMPLETE BROCHURE OF FIXTURES, MATERIALS, AND EQUIPMENT FURNISHED AND INSTALLED ON THIS PROJECT. INCLUDE OPERATIONAL AND MAINTENANCE INSTRUCTIONS, MANUFACTURER'S CATALOG SHEETS, WIRING DIAGRAMS, PARTS LISTS, APPROVED SHOP DRAWINGS, AND DESCRIPTIVE LITERATURE FURNISHED BY THE MANUFACTURER. INCLUDE AN INSIDE COVER SHEET THAT LISTS THE PROJECT NAME, DATE, OWNER, ARCHITECT, ENGINEER, GENERAL CONTRACTOR, SUBCONTRACTOR, AND AN INDEX OF CONTENTS.

SUBMIT COPIES OF LITERATURE BOUND IN APPROVED BINDERS TO THE ARCHITECT AND OWNER AT THE TERMINATION OF THE WORK. PAPER CLIPS, STAPLES, RUBBER BANDS, AND MAILING ENVELOPES ARE NOT CONSIDERED APPROVED BINDERS. FINAL APPROVAL OF MECHANICAL SYSTEMS WILL BE WITHHELD UNTIL THIS EQUIPMENT BROCHURE IS DEEMED COMPLETE BY THE ARCHITECT, ENGINEER, AND OWNER.

1.9 SPARE PARTS

FURNISH TO OWNER, WITH RECEIPT, THE FOLLOWING SPARE PARTS FOR THE EQUIPMENT FURNISHED FOR THIS PROJECT:

ONE SET OF SPARE FILTERS OF EACH TYPE REQUIRED FOR EACH UNIT. IN ADDITION TO THE SPARE SET OF FILTERS, INSTALL NEW FILTERS PRIOR TO TESTING, ADJUSTING, AND BALANCING WORK AND BEFORE TURNING SYSTEM OVER TO OWNER.

FURNISH ONE COMPLETE SET OF BELTS FOR EACH FAN.

FURNISH THREE OPERATING KEYS FOR EACH TYPE OF AIR OUTLET AND INLET THAT REQUIRES THEM.

1.10 WARRANTIES

WARRANT EACH SYSTEM AND EACH ELEMENT THEREOF AGAINST ALL DEFECTS DUE TO FAULTY WORKMANSHIP, DESIGN, OR MATERIAL FOR A PERIOD OF 12 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION, UNLESS SPECIFIC ITEMS ARE NOTED TO CARRY A LONGER WARRANTY IN THE CONSTRUCTION DOCUMENTS OR MANUFACTURER'S STANDARD WARRANTY EXCEEDS 12 MONTHS. REMEDY ALL DEFECTS, OCCURRING WITHIN THE WARRANTY PERIOD(S), AS STATED IN THE GENERAL CONDITIONS AND DIVISION 1.

WARRANTIES SHALL INCLUDE LABOR AND MATERIAL. MAKE REPAIRS OR REPLACEMENTS WITHOUT ANY ADDITIONAL COSTS TO THE OWNER.

PERFORM THE REMEDIAL WORK PROMPTLY, UPON WRITTEN NOTICE FROM THE ENGINEER OR OWNER.

AT THE TIME OF SUBSTANTIAL COMPLETION, DELIVER TO THE OWNER ALL WARRANTIES, IN WRITING AND PROPERLY EXECUTED, INCLUDING TERM LIMITS FOR WARRANTIES EXTENDING BEYOND THE ONE YEAR PERIOD, EACH WARRANTY INSTRUMENT BEING ADDRESSED TO THE OWNER AND STATING THE COMMENCEMENT DATE AND TERM.

1.11 CUTTING AND PATCHING

PERFORM CUTTING OF WALLS, FLOORS, CEILINGS, ETC. AS REQUIRED TO INSTALL WORK UNDER THIS SECTION. OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO CUTTING. DO NO CUT OR DISTURB STRUCTURAL MEMBERS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT. CUT HOLES AS SMALL AS POSSIBLE. GENERAL CONTRACTOR SHALL PATCH WALLS, FLOORS, ETC. AS REQUIRED BY WORK UNDER THIS SECTION. PATCHING SHALL MATCH THE ORIGINAL MATERIAL AND CONSTRUCTION. REPAIR AND REFINISH AREAS DISTURBED BY WORK TO THE CONDITION OF ADJOINING SURFACES IN A MANNER SATISFACTORY TO THE ARCHITECT.

1.12 ROUGH-IN

COORDINATE WITHOUT DELAY ROUGHING-IN WITH GENERAL CONSTRUCTION. CONCEAL PIPING AND CONDUIT ROUGH-IN EXCEPT IN UNFINISHED AREAS WHERE OTHERWISE SHOWN.

1.13 STRUCTURAL STEEL

STRUCTURAL STEEL USED FOR PIPE SUPPORTS, EQUIPMENT SUPPORTS, ETC., SHALL BE NEW, CLEAN, AND CONFORM TO ASTM DESIGNATION A-36.

SUPPORT PLUMBING AND MECHANICAL EQUIPMENT AND PIPING FROM THE BUILDING STRUCTURE. DO NOT SUPPORT PLUMBING EQUIPMENT FROM CEILINGS, OTHER MECHANICAL OR ELECTRICAL COMPONENTS, AND OTHER NON-STRUCTURAL ELEMENTS.

1.14 ACCESS DOORS

PROVIDE ACCESS DOORS IN CEILINGS AND WALLS WHERE INDICATED OR REQUIRED FOR ACCESS TO CONCEALED VALVES AND EQUIPMENT INSTALLED UNDER THIS SECTION. PROVIDE CONCEALED HINGES, SCREWDRIVER-TYPE LOCK, ANCHOR STRAPS; MANUFACTURED BY MILCOR, ZURN, TITUS, OR EQUAL. OBTAIN ARCHITECT'S APPROVAL OF TYPE, SIZE, LOCATION, AND COLOR BEFORE ORDERING.

1.15 PENETRATIONS

SEAL FLOOR, EXTERIOR WALL AND ROOF PENETRATIONS WATER AND WEATHER TIGHT WITH APPROPRIATE NON-SHRINK, NON-HARDENING COMMERCIAL CONSTRUCTION SEALANT. SEAL ROOF PENETRATIONS WITH FOUR POUND PER SQUARE FOOT LEAD FLASHING. PROVIDE A SLEEVE, AND SEAL NON-FIRE-RATED FLOOR AND WALL PENETRATIONS WITH FIBERGLASS PACKING AND SILICONE CAULK (FOR ACOUSTICAL INSULATION).

COORDINATE FIRE RATING REQUIREMENTS AND LOCATIONS WITH THE ARCHITECT. SEAL PENETRATIONS OF FIRE-RATED ASSEMBLIES WITH 3M MCP-25 FIRE BARRIER CAULK (PROVIDE THICKNESS AND METHOD AS REQUIRED AND RECOMMENDED BY MANUFACTURER) TO MAINTAIN THE FIRE RESISTANCE RATING OF FIRE-RATED ASSEMBLIES.

SEAL EXTERIOR WALL PENETRATIONS BELOW GRADE WITH CAST IRON WALL PIPES AND MODULAR MECHANICAL SLEEVE SEALS, MANUFACTURED BY THUNDERLINE/LINK SEAL, CALPICO, INC AND METRAFLEX.

PROVIDE SLEEVES FOR HORIZONTAL PIPE PASSING THROUGH OR UNDER THE FOUNDATION. SLEEVES SHALL BE CAST IRON SOIL PIPE TWO NOMINAL PIPE SIZES LARGER THAN THE PIPE SERVED.

PROVIDE SLEEVES FOR VERTICAL PIPE PASSING THROUGH SLAB ON GRADE. SLEEVES SHALL BE SCHEDULE 40 PVC PIPE, TWO NOMINAL PIPE SIZES LARGER THAN THE PIPE SERVED. SEAL WATER-TIGHT WITH SILICONE CAULK.

2: HEATING, VENTILATION, AND AIR CONDITIONING

2.1 DUCTWORK

CONTRACTOR SHALL PROVIDE ANY DUCTWORK NECESSARY FOR A COMPLETE INSTALLATION OF HVAC SYSTEMS (INCLUDING EXHAUST SYSTEMS). ALL DUCTWORK IDENTIFICATION AND INSTALLATION TO ADHERE TO ASHRAE AND SMACNA STANDARDS AND ALL GOVERNING CODES.

DUCTWORK SHALL BE A MINIMUM 26 GAUGE GALVANIZED STEEL SHEET METAL DUCTWORK.

SUPPLY DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR A TWO-INCH POSITIVE PRESSURE RATING AND SEAL CLASS B.

RETURN DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR A ONE-INCH NEGATIVE PRESSURE RATING AND SEAL CLASS C.

EXHAUST DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR A ONE-INCH POSITIVE PRESSURE RATING AND SEAL CLASS C.

ROUND DUCT RUNS SHALL BE CONSTRUCTED OF METAL PIPE WITH EXTERNAL SLEEVE INSULATION.

DUCTWORK CONNECTIONS TO AIR DEVICES MUST BE MADE WITH HARDPIPE ELBOWS, COVERED WITH SLEEVE INSULATION. FLEX DUCT MUST NOT BE UTILIZED FOR A 90 DEGREE CONNECTION TO AN AIR DEVICE.

VOLUME/BALANCING DAMPERS SHALL BE PROVIDED IN ALL BRANCH DUCT TAKE-OFFS FROM THE MAIN TRUNKS, UNLESS NOTED OTHERWISE ON PLANS. LOCATE DAMPERS A MINIMUM OF 4'-0" AWAY FROM AIR DEVICES.

A MAXIMUM OF 5'-0" OF FLEX DUCT MAY BE USED FOR FINAL CONNECTION OF AIR DEVICES.

FLEX DUCT MUST BE PROPERLY SUPPORTED WITH ONE INCH STRAPS AND CUT TO PROPER LENGTH TO PREVENT SAGGING.

FLEX DUCT SHALL BE OWENS-CORNING FOIL-BACK HIGH QUALITY U/L APPROVED OR EQUAL. PLASTIC WRAPPED FLEX DUCT IS NOT ACCEPTABLE.

DUCTWORK SHALL BE CONNECTED TO FANS, FAN CASINGS, AND FAN PLENUMS BY MEANS OF FLEXIBLE CONNECTIONS.

MITERED ELBOWS 45 DEGREES AND GREATER SHALL HAVE SINGLE THICKNESS TURNING VANES OF SAME GAUGE AS DUCTWORK.

2.2 INSULATION

SUPPLY AND RETURN DUCTWORK INSIDE THE BUILDING SHALL BE INSULATED WITH 1.5" THICK ACOUSTICAL LINING WITH A MINIMUM R-VALUE OF 6 OR EXTERNALLY WRAPPED WITH 2" THICK GLASS FIBER DUCT WRAP.

SUPPLY AND RETURN DUCTWORK LOCATED OUTSIDE THE BUILDING SHALL BE INSULATED WITH 2" LINER WITH A MINIMUM R-VALUE OF 8 AND SEAL SEAMS WEATHER TIGHT.

DEDICATED OUTSIDE AIR SUPPLY AND RELIEF DUCTWORK INSIDE THE BUILDING SHALL BE INSULATED WITH 2" DUCT WRAP WITH A MINIMUM R-VALUE OF 6.

2.3 PIPING

REFER TO PLUMBING SPECIFICATIONS FOR GAS AND CONDENSATE PIPING SPECIFICATIONS.

2.4 FINAL TESTING AND ADJUSTMENTS

AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AIR BALANCE CONTRACTOR. BALANCE EACH SUPPLY, RETURN, OUTSIDE AIR DEVICE WITHIN 5% OF REQUIREMENTS AND FURNISH A REPORT TO THE CONSTRUCTION MANAGER. THE ENTIRE HVAC SYSTEM MUST BE FULLY OPERABLE, BALANCED, AND APPROVED BY OWNER'S REPRESENTATIVE ON THE DAY TENANT OPENS FOR BUSINESS.

ADJUST THERMOSTATS AND CONTROL DEVICES TO OPERATE AS INTENDED. ADJUST BURNERS, PUMPS, FANS, ETC. FOR PROPER AND EFFICIENT OPERATION. CERTIFY TO ARCHITECT THAT ADJUSTMENTS HAVE BEEN MADE AND THAT SYSTEM IS OPERATING SATISFACTORILY. CALIBRATE, SET AND ADJUST AUTOMATIC TEMPERATURE CONTROLS. CHECK PROPER SEQUENCING OF INTERLOCK SYSTEMS, AND OPERATION OF SAFETY CONTROLS.

VERIFY ECONOMIZER OPERATION PER MANUFACTURER PROCEDURE WHEN APPLICABLE.

2.5 AIR DEVICES

PROVIDE AIR DEVICES AS SCHEDULED ON THE DRAWINGS.

MAINTAIN NOISE LEVEL OF NC-30 OR LESS.

ALL AIR TERMINAL DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLANS IN ORDER TO HANDLE THE DESIGNED AIR FLOW CAPACITIES WITH A MINIMUM AMOUNT OF NOISE AND STATIC PRESSURE.

PROVIDE AIR DEVICES WITH WHITE ENAMEL FINISH UNLESS NOTED OTHERWISE.

2.6 CONTROLS

COORDINATE LOCATIONS FOR THERMOSTATS AND SENSORS FOR ROUGH-IN.

SMOKE DETECTORS SHALL BE FACTORY INSTALLED AND SHALL DISABLE HVAC UNIT OPERATION UPON ACTIVATION.

2.7 ELECTRICAL WIRING

ALL PROVISIONS FOR LOW VOLTAGE WIRING SHALL BE PERFORMED BY THE CONTRACTOR UNLESS CODES OR LABOR SITUATIONS DO NOT PERMIT. IF THE CONTRACTOR CANNOT PERFORM LOW VOLTAGE WIRING, THE CONTRACTOR SHALL INFORM THE GENERAL CONTRACTOR, AS PART OF THE HVAC BID DOCUMENT, TO HAVE THE ELECTRICAL SUBCONTRACTOR INCLUDE THIS WORK IN THEIR BID.

ALL ELECTRICAL POWER WIRING TO INCLUDE FINAL CONNECTIONS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR'S ELECTRICAL SUBCONTRACTOR.

2.8 REMODEL WORK

REMOVE ALL UNUSED EQUIPMENT, DUCTWORK, PIPING AND ASSOCIATED SUPPORTS. CAP DUCTWORK AND PIPING AT MAINS AND SEAL AIR AND WATER TIGHT.

PROVIDE ITEMS OF HVAC SYSTEMS MODIFICATION REQUIRED BECAUSE OF BUILDING REMODELING, AS NOTED ON THE DRAWINGS OR NECESSARY FOR PROPER OPERATION. MATCH EXISTING MATERIALS AND CONSTRUCTION TECHNIQUES WHEN MODIFYING EXISTING SYSTEMS UNLESS SPECIFIED OTHERWISE. COORDINATE ADDITIONAL REQUIREMENTS WITH GENERAL CONTRACTOR AND ARCHITECT.

SEAL AIRTIGHT EXISTING DUCTWORK REQUIRED TO BE ABANDONED IN PLACE OR NOT IN USE AT THE TERMINATION OF THE WORK.

CAP AND SEAL WEATHERTIGHT EXISTING ROOF CURBS AND ROOF OPENINGS TO BE ABANDONED IN PLACE AS A RESULT OF EQUIPMENT REMOVAL.

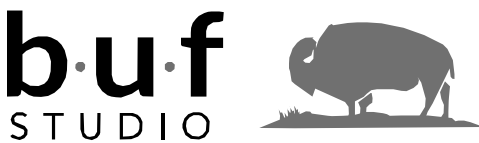
CLEAN AND REBALANCE EXISTING DUCTWORK, DIFFUSERS, REGISTERS, AND GRILLES INTENDED FOR REUSE AS REQUIRED OR AS INDICATED ON DRAWINGS.

CLEAN AND REFURBISH EXISTING HVAC EQUIPMENT INTENDED FOR REUSE AS REQUIRED FOR PROPER OPERATION INCLUDING REPLACEMENT OF FILTERS, BELTS, MOTORS, REMOTE CONTROLS, AND SAFETY INTERLOCKS.

COMPLY WITH THE SCHEDULE OF OPERATIONS AS OUTLINED IN THE ARCHITECTURAL PORTIONS OF THIS SPECIFICATION. BUILDING SHALL BE IN CONTINUOUS OPERATION. ACCOMPLISH WORK REQUIRING INTERRUPTION OF BUILDING OPERATION AT A TIME WHEN THE BUILDING IS NOT IN OPERATION, AND ONLY WITH WRITTEN APPROVAL OF BUILDING OWNER AND/OR TENANT. COORDINATE INTERRUPTION OF BUILDING OPERATION WITH THE OWNER AND/OR TENANT A MINIMUM OF SEVEN DAYS IN ADVANCE OF WORK.

2.9 CONTRACTOR RESPONSIBILITIES

AFTER COMPLETION OF THE WORK DESCRIBED IN THIS SPECIFICATION AND SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL EXPOSED EQUIPMENT, REMOVING ALL LABELS AND STICKERS NOT CONTAINING OPERATION INSTRUCTION. CONTRACTOR SHALL REMOVE CRATING DEBRIS, LEAVING THE INSTALLATION FINISHED AND READY FOR OPERATION, INCLUDING CLEAN FILTERS IN AIR HANDLING UNITS.



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WRIGHT'S BBQ WALMART  
CAMPUS INFILL  
1410 SE 8TH STREET STE#14  
BENTONVILLE, AR 72712



04/11/2025  
Engineer Name - ANDREW D FINNEGAN  
Engineer Number - 15650

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MECHANICAL  
SPECIFICATIONS

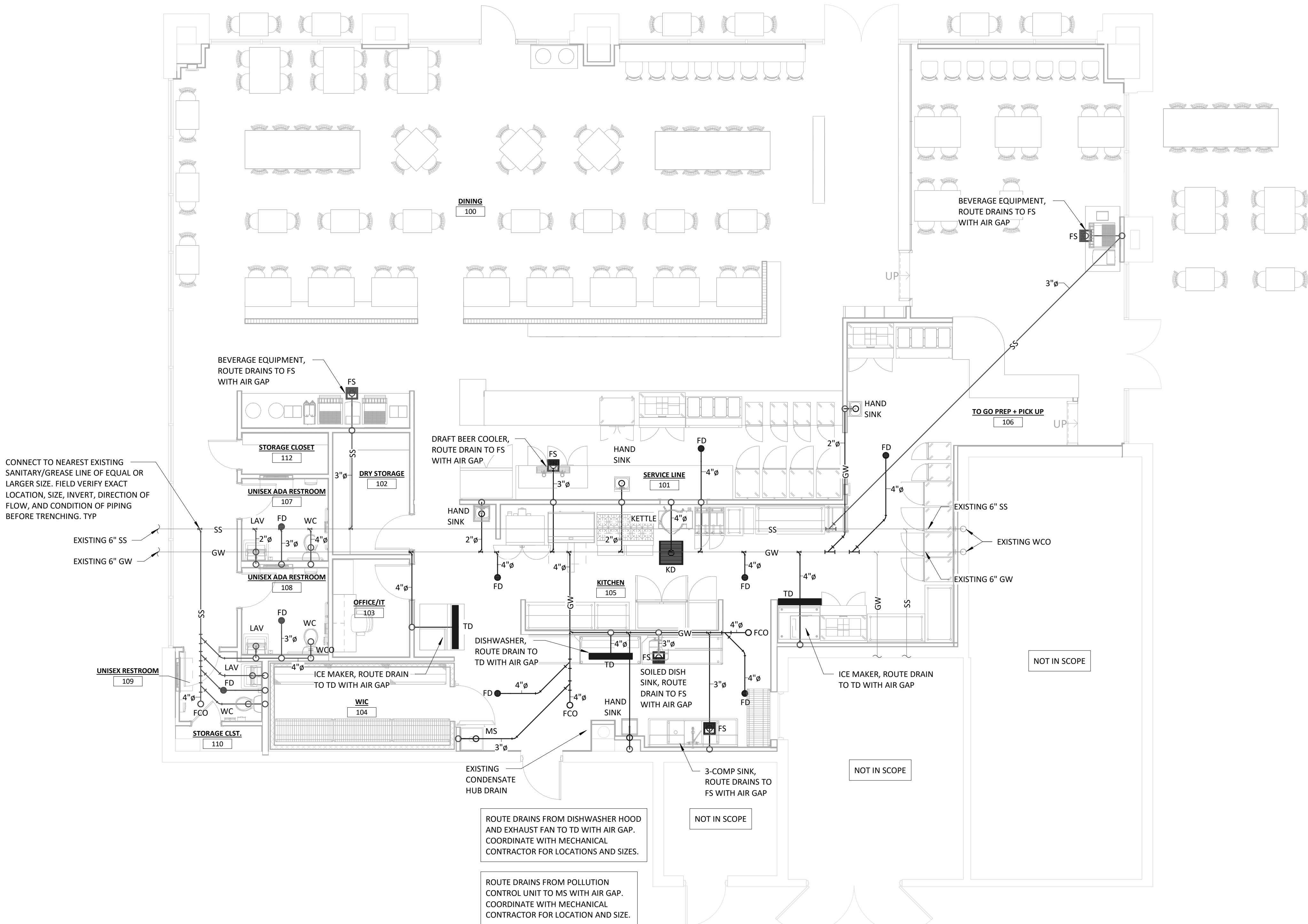
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1  
P1.0 DWV PIPING PLAN  
3/16" = 1'-0"



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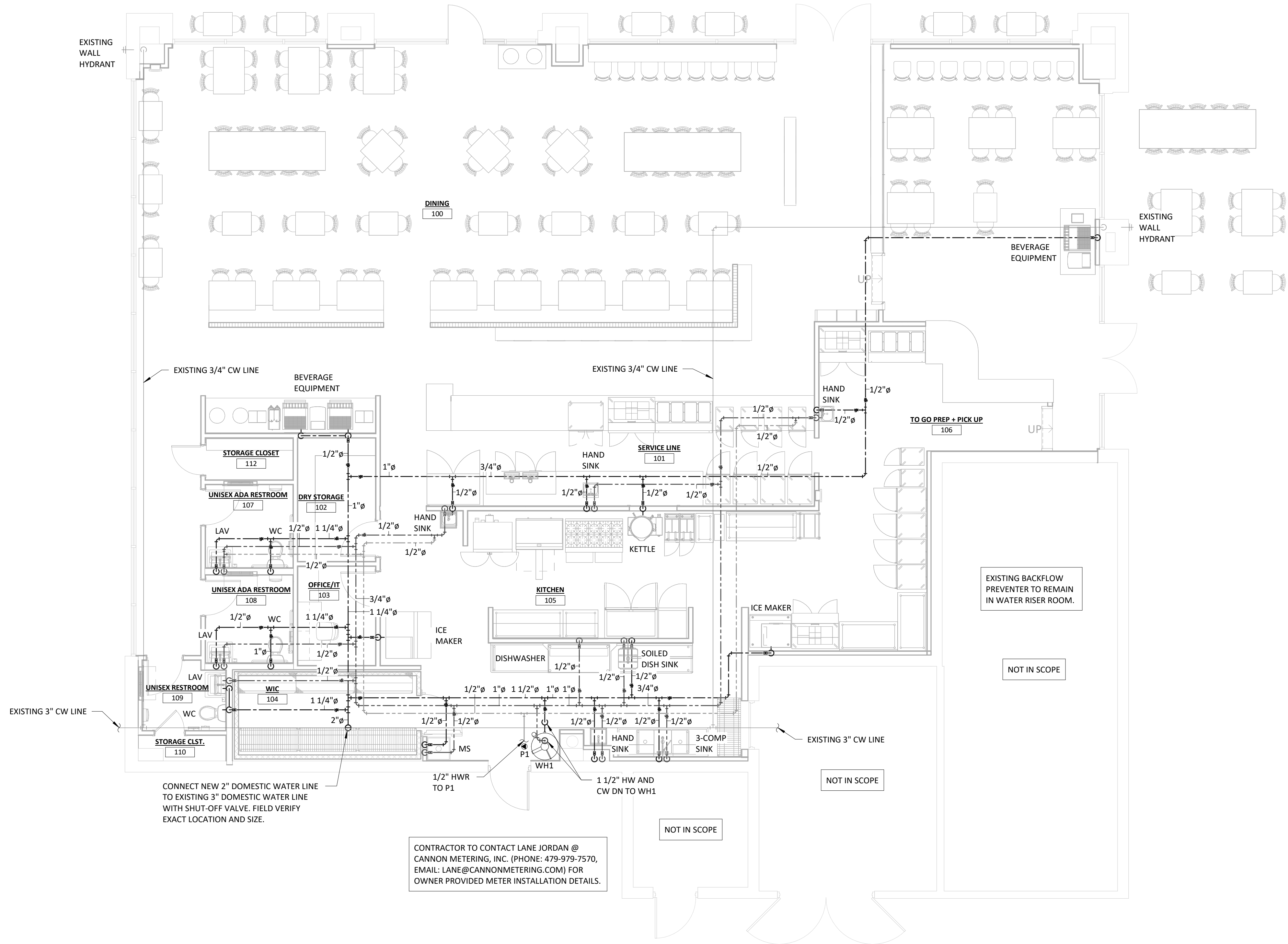
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**1**  
P1.1 **WATER PIPING PLAN**  
**3/16" = 1'-0"**

CONTRACTOR TO CONTACT LANE JORDAN @  
CANNON METERING, INC. (PHONE: 479-979-7570,  
EMAIL: LANE@CANNONMETERING.COM) FOR  
OWNER PROVIDED METER INSTALLATION DETAILS.

**WRIGHT'S BBQ WALMART  
CAMPUS INFILL**  
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| <u>Drawn By:</u><br>ADF         | <u>Checked By:</u><br>ADF  |

Title:  
WATER PIPING PLAN

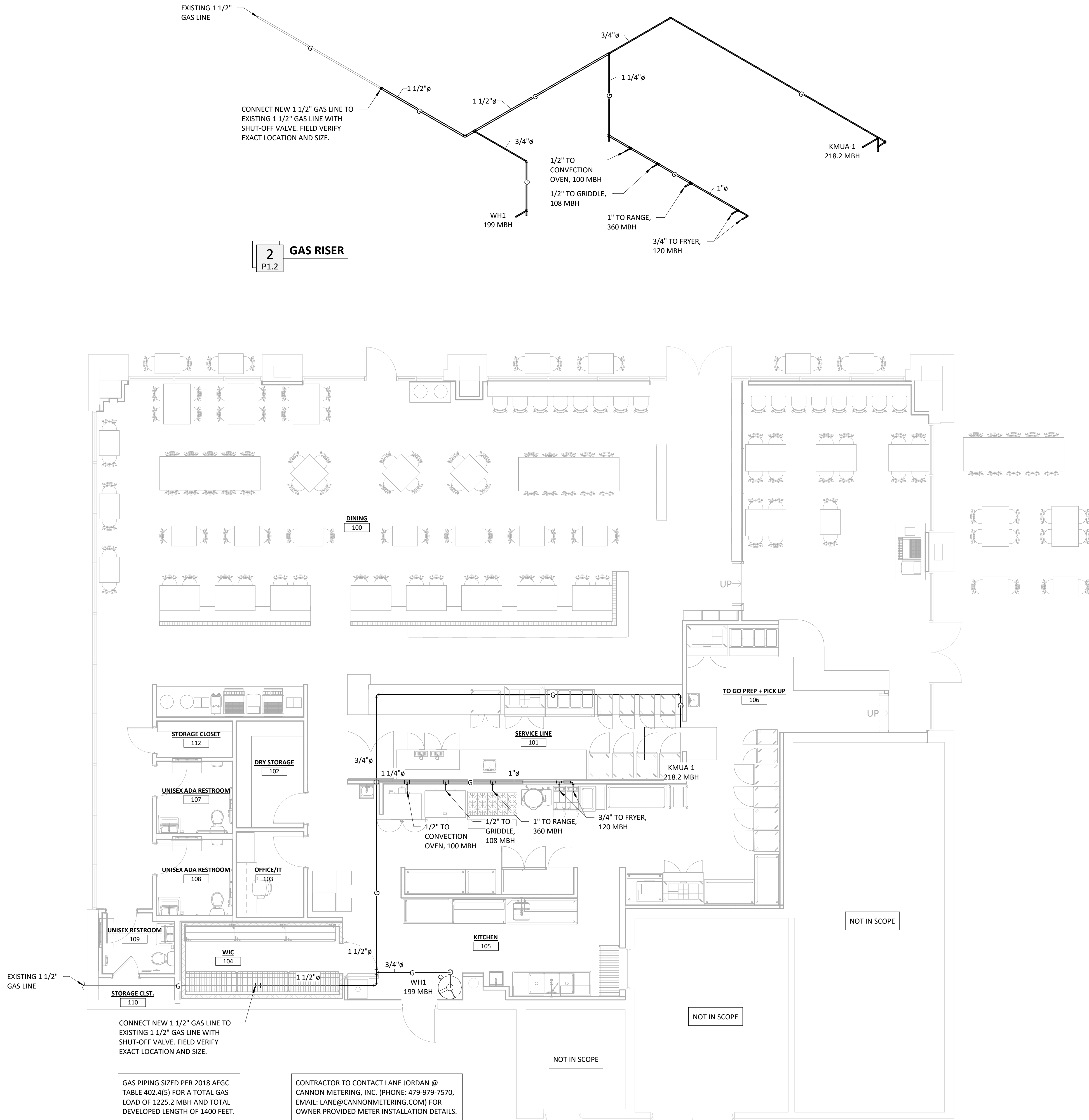
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**1**  
P1.2  
**GAS PIPING PLAN**  
3/16" = 1'-0"

**2**  
P1.2  
**GAS RISER**



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**Engineer Number** - 15650

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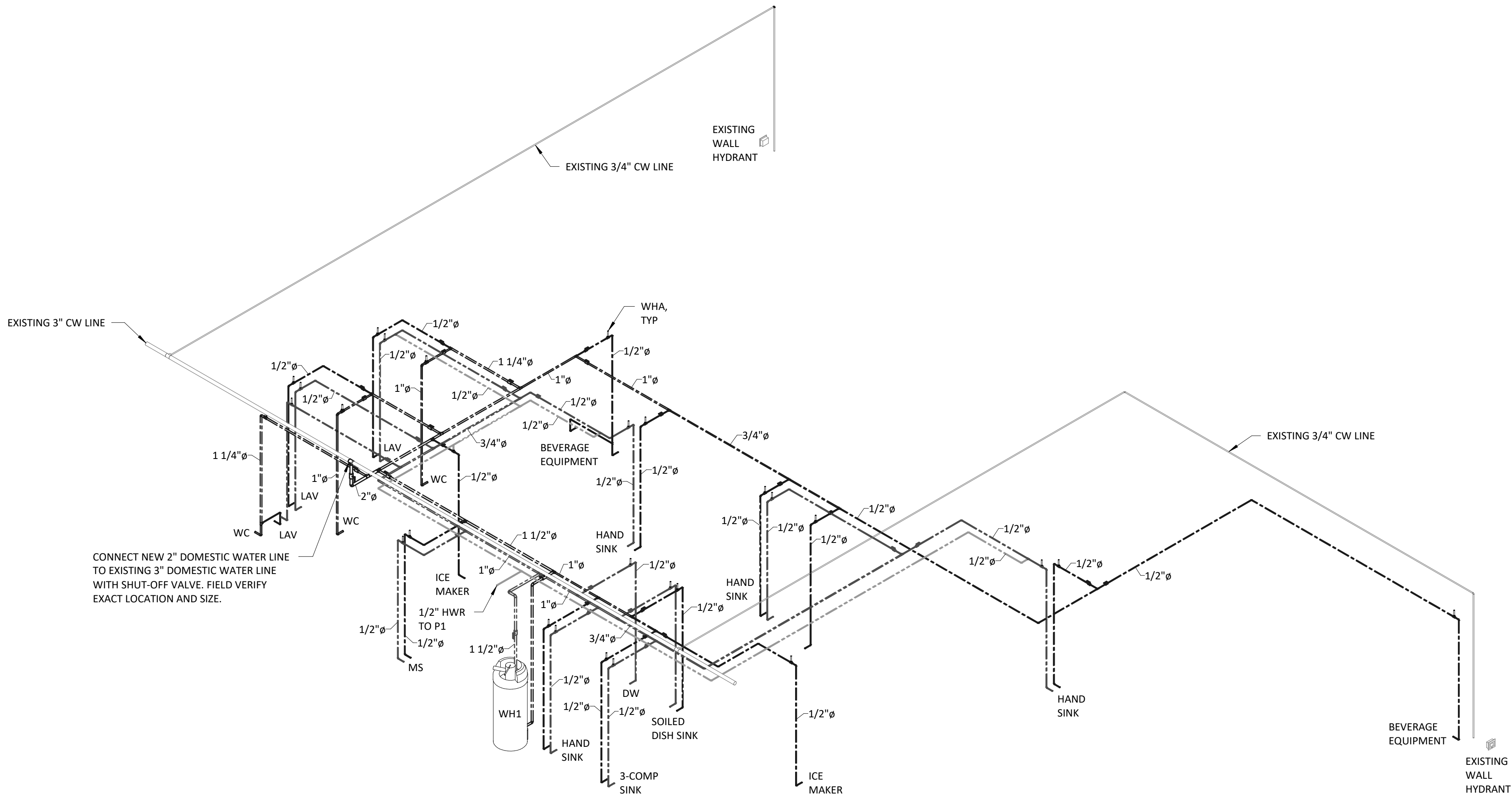
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RISER**

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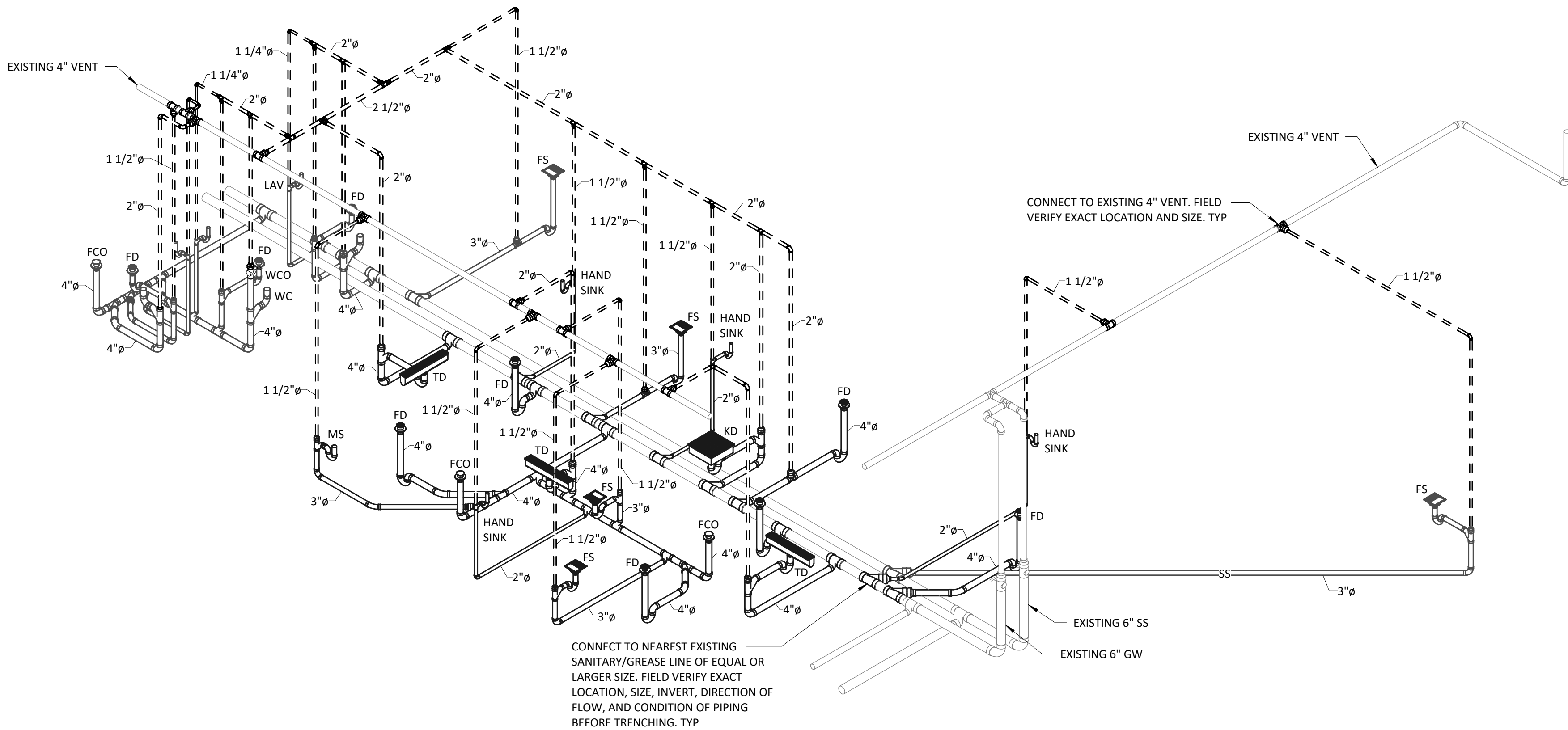
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**2**  
P1.3  
**WATER RISER**



**1**  
P1.3  
**DWV RISER**



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**Engineer Name** - ANDREW D FINNEGAN  
**Engineer Number** - 15650

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PLUMBING RISERS

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| PUMP SCHEDULE |                |               |                 |           |          |  |
|---------------|----------------|---------------|-----------------|-----------|----------|--|
| MARK          | MANUFACTURER   | MODEL         | FLOW RATE (GPM) | HEAD (FT) | V/PH/HZ  | DESCRIPTION  |
| P1            | BELL & GOSSETT | ECOCIRC 19-16 | 1.0             | 5         | 115/1/60 | STAINLESS STEEL, HIGH EFFICIENCY, VARIABLE SPEED WET ROTOR CIRCULATOR WITH ELECTRONICALLY COMMUTATED MOTOR. CERTIFIED TO NSF/ANSI 61. PROVIDE WITH AQUASTAT. |

| WATER HEATER SCHEDULE |              |         |                 |                     |                     |                |          |
|-----------------------|--------------|---------|-----------------|---------------------|---------------------|----------------|----------|
| MARK                  | MANUFACTURER | MODEL   | TANK SIZE (GAL) | HEATING INPUT (MBH) | RECOVERY RATE (GPH) | TEMP RISE (°F) | V/PH/HZ  |
| WH1                   | A.O. SMITH   | BTH-199 | 100             | 199                 | 294                 | 80             | 120/1/60 |

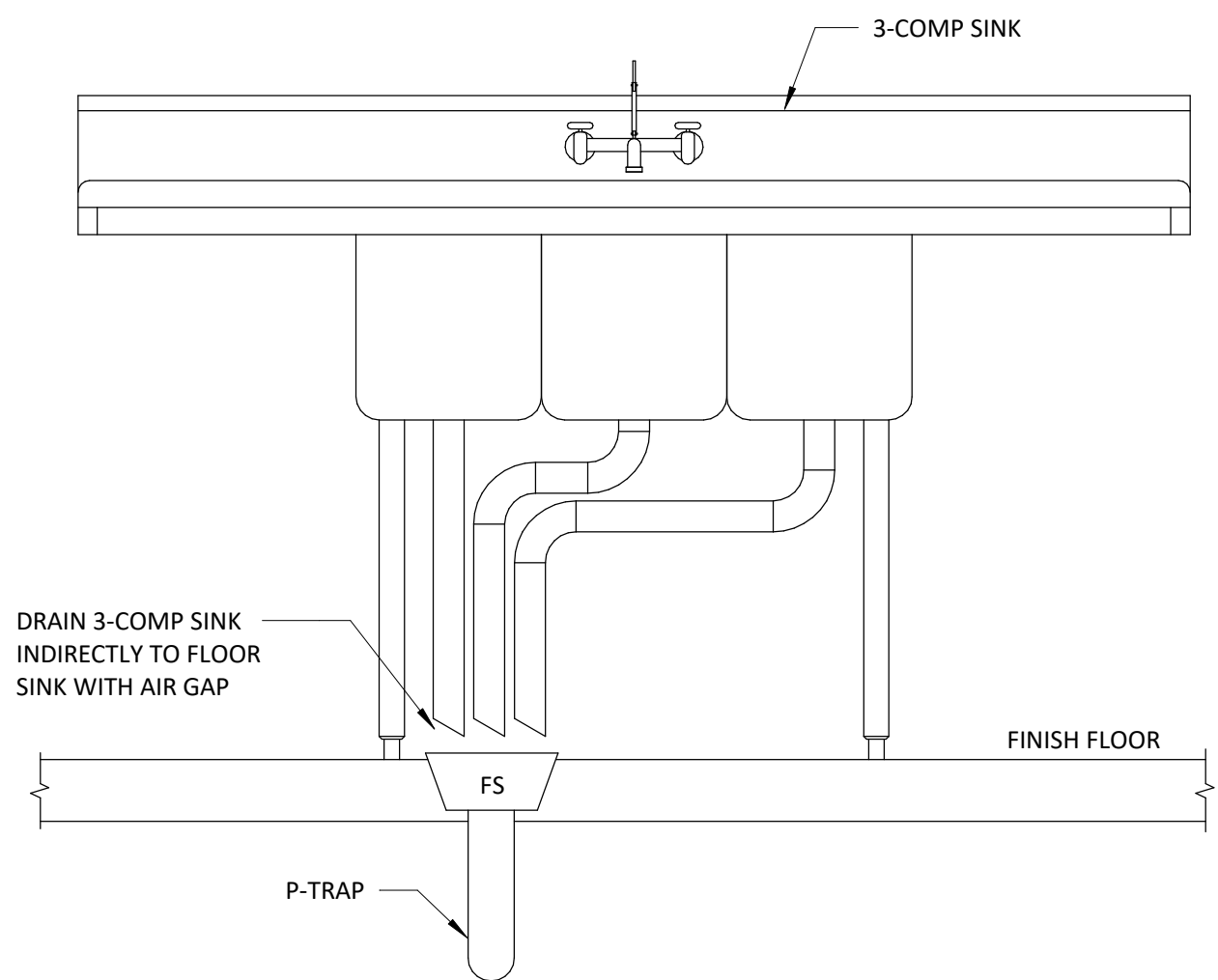
GENERAL INFORMATION:  
1. 140 DEG. F OUTLET TEMPERATURE.

NOTES:  
A. PROVIDE AMTROL (OR EQUAL) EXPANSION TANK AND DRAIN PAN SIZED PER MANUFACTURER'S RECOMMENDATIONS.  
B. MOUNT WATER HEATER ON HEAVY DUTY STAND.  
C. PROVIDE WITH CONCENTRIC VENT KIT.

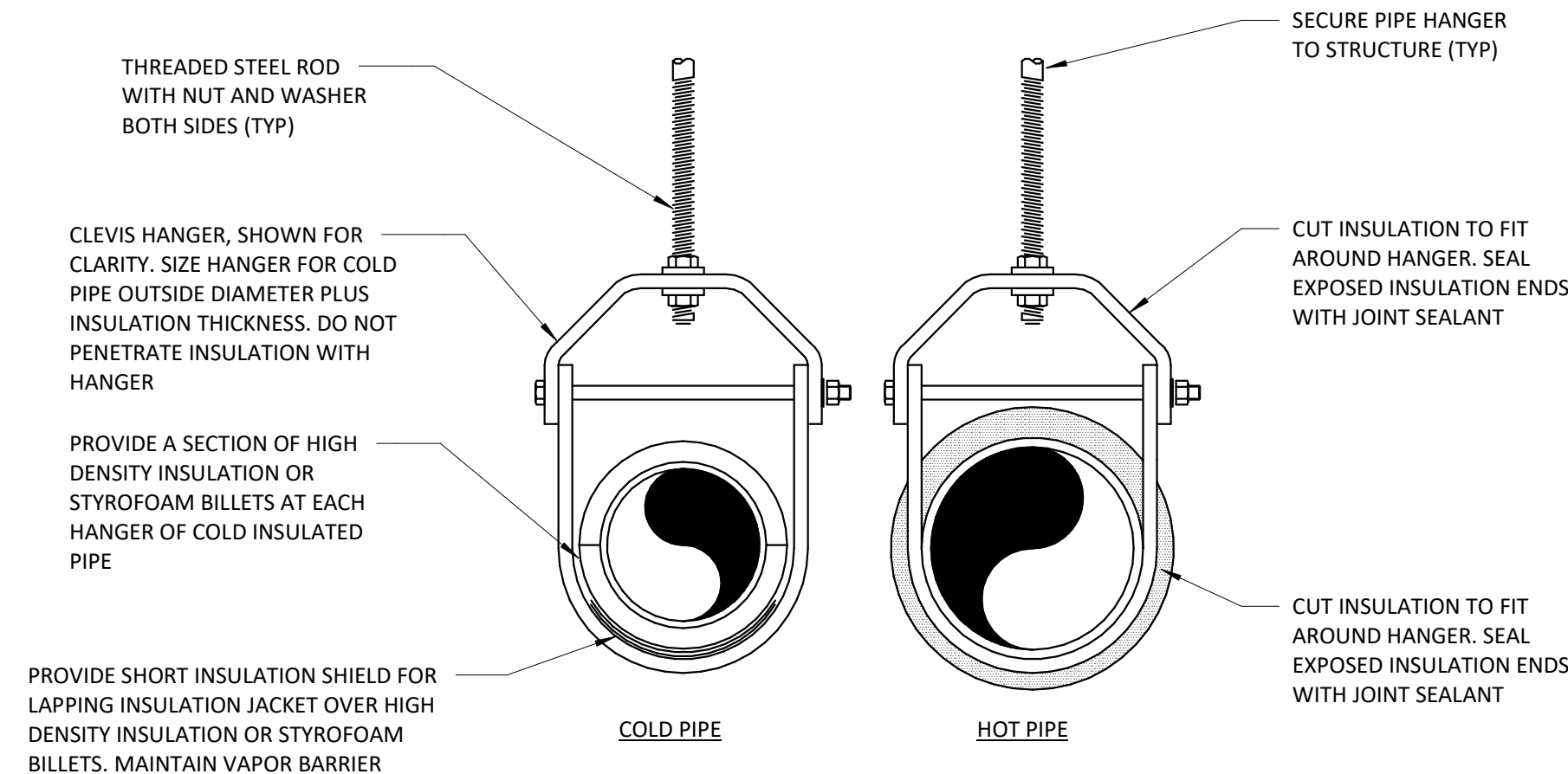
| PLUMBING FIXTURE SCHEDULE |              |                   |                  |                     |      |       |        |   |
|---------------------------|--------------|-------------------|------------------|---------------------|------|-------|--------|---|
| MARK                      | FIXTURE      | MANUFACTURER      | MODEL NUMBER     | BRANCH SIZES (MIN.) |      |       |        | DESCRIPTION   |
|                           |              |                   |                  | CW                  | HW   | WASTE | VENT   |   |
| LAV                       | LAVATORY     | AMERICAN STANDARD | 0355.012 LUCERNE | 1/2"                | 1/2" | 2"    | 1-1/4" | WALL MOUNT SINK, 4" CENTERS, VITREOUS CHINA, FRONT OVERFLOW, COLOR: WHITE. FAUCET: AMERICAN STANDARD 5502.175, WITH WRIST BLADE HANDLES AND GRID STRAINER DRAIN, 0.5 GPM. PROVIDE TRUBRO LAV GUARD 2 E-Z SERIES PROTECTIVE PIPE COVERS ON ALL EXPOSED PIPING. PROVIDE MIXING VALVE SET FOR 105°F DISCHARGE. |
| MS                        | MOP SINK     | FIAT              | MSB2424          | 1/2"                | 1/2" | 3"    | 1-1/2" | 24"x24"x10" MOLDED STONE MOP BASIN. PROVIDE WITH NO. 830-AA FAUCET WITH INTEGRAL VACUUM BREAKER, NO. 832-AA HOSE AND BRACKET, NO. 1453-BB FLOOR STRAINER, AND NO. 889-CC MOP HANGER.  |
| WC                        | WATER CLOSET | AMERICAN STANDARD | 3461.001 MADERA  | 1"                  | ---  | 4"    | 2"     | FLOOR MOUNT, FLUSH VALVE, 12" ROUGH-IN, COLOR: WHITE, VITREOUS CHINA, ELONGATED BOWL, OPEN FRONT SEAT LESS COVER, 1-1/2" TOP SPUD. 17" RIM HEIGHT FOR ADA COMPLIANCE. AMERICAN STANDARD 6047.161 1.6 GPF MANUAL FLUSH VALVE. MOUNT CONTROLS ON ACCESSIBLE SIDE OF TOILET.                                   |

| SPECIALTY PLUMBING FIXTURE SCHEDULE |                           |              |              |   |
|-------------------------------------|---------------------------|--------------|--------------|---|
| MARK                                | FIXTURE                   | MANUFACTURER | MODEL NUMBER | DESCRIPTION   |
| ---                                 | SHUT-OFF VALVE            | ZURN WILKINS | 850XL        | LEAD FREE FULL PORT BRONZE BALL VALVE WITH PLASTIC JACKETED LEVER TYPE HANDLE.  |
| TMV                                 | THERMOSTATIC MIXING VALVE | ZURN WILKINS | ZW3870XLT-4P | LEAD FREE, ASSE 1070 COMPLIANT, +/-3°F UP TO 115°F, LOW LEAD CAST BRONZE BODY WITH INTEGRAL CHECK VALVES AND STRAINER SCREEN.   |
| TP                                  | TRAP PRIMER               | ZURN         | Z1022-XL     | SANI-GARD AUTOMATIC TRAP PRIMER, ALL BRONZE BODY WITH INTEGRAL VACUUM BREAKER, NON-LIMING INTERNAL OPERATING PISTON, STAINLESS STEEL SPRING, REMOVALBE BRONZE SEAT WITH METERING ORIFICE, AND SEALED BRONZE COVER.  |
| WHA                                 | WATER HAMMER ARRESTOR     | ZURN WILKINS | 1260XL       | CERTIFIED TO NSF/ANSI 372, ASSE 1010 AND ANSI A112.26.1 COMPLIANT, COPPER BODY WITH A LOW LEAD BRASS HEXAGONAL MALE PIPE THREADED INLET, AN ACETAL POLYCARBONATE OR LOW LEAD BRASS PISTON, EPDM O-RINGS AND LEAD FREE SOLDER. FACTORY PRE-CHARGED AND SEALED. |

| DRAIN / CLEANOUT / HOSE BIBB / HYDRANT SCHEDULE |                           |              |              |  |
|---|---------------------------|--------------|--------------|--|
| MARK  | FIXTURE                   | MANUFACTURER | MODEL NUMBER | DESCRIPTION  |
| FCO   | FLOOR CLEANOUT            | ZURN         | ZN1400       | DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND SCORIATED POLISHED NICKEL BRONZE LIGHT DUTY TOP, ADJUSTABLE TO FINISHED FLOOR.  |
| FD  | FLOOR DRAIN               | ZURN         | ZN415B       | CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, "TYPE B" POLISHED NICKEL BRONZE, LIGHT DUTY STRAINER.   |
| FPWH  | FREEZE PROOF WALL HYDRANT | ZURN         | Z1320        | ANTI-SIPHON, NON-FREEZE, AUTOMATIC DRAINING WALL HYDRANT WITH INTEGRAL BACKFLOW PREVENTER, COPPER CASING, ALL BRONZE INTERIOR PARTS WITH 1/2 TURN CERAMIC DISC CARTRIDGE AND COMBINATION 3/4" FEMALE SOLDER AND 3/4" MALE PIPE THREAD INLET, STAINLESS STEEL BOX AND HINGED COVER WITH OPERATING KEY LOCK. |
| FS  | FLOOR SINK                | ZURN         | Z1750        | 12"x12"x6" DEEP, 16 GAGE, ALL TYPE 304 STAINLESS STEEL LIGHT-DUTY SANI-FLOR RECEPTOR WITH ANTI-SPLASH STAINLESS STEEL INTERIOR DOME STRAINER. REFERENCE KITCHEN EQUIPMENT PLANS FOR GRATE REQUIREMENTS.  |
| KD  | KETTLE DRAIN              | ZURN         | Z1761        | 24 5/16" SQUARE KETTLE DRAIN W/ 8" SUMP DEPTH, 14 GAGE TYPE 304 STAINLESS STEEL, LOOSE SET FULL GRATE.   |
| TD  | TRENCH DRAIN              | ZURN         | Z667         | 6" WIDE TOP SECTIONAL TRENCH DRAIN, DURA-COATED CAST IRON BOTTOM OUTLET SECTION, VERTICALLY AND HORIZONTALLY ADJUSTABLE CAST IRON DRAIN SECTION HAVING SEEPAGE PAN AND MEMBRANE CLAMP. BOTH 15" LONG OUTLET MODULE SECTION AND EXTENSION MODULES ARE COMPLETE WITH LOOSE MEDIUM-DUTY GRATE.                |
| WCO   | WALL CLEANOUT             | ZURN         | ZS1468       | ROUND STAINLESS STEEL WALL ACCESS COVER COMPLETE WITH SECURING SCREW AND BRONZE RAISED HEX HEAD PLUG.  |

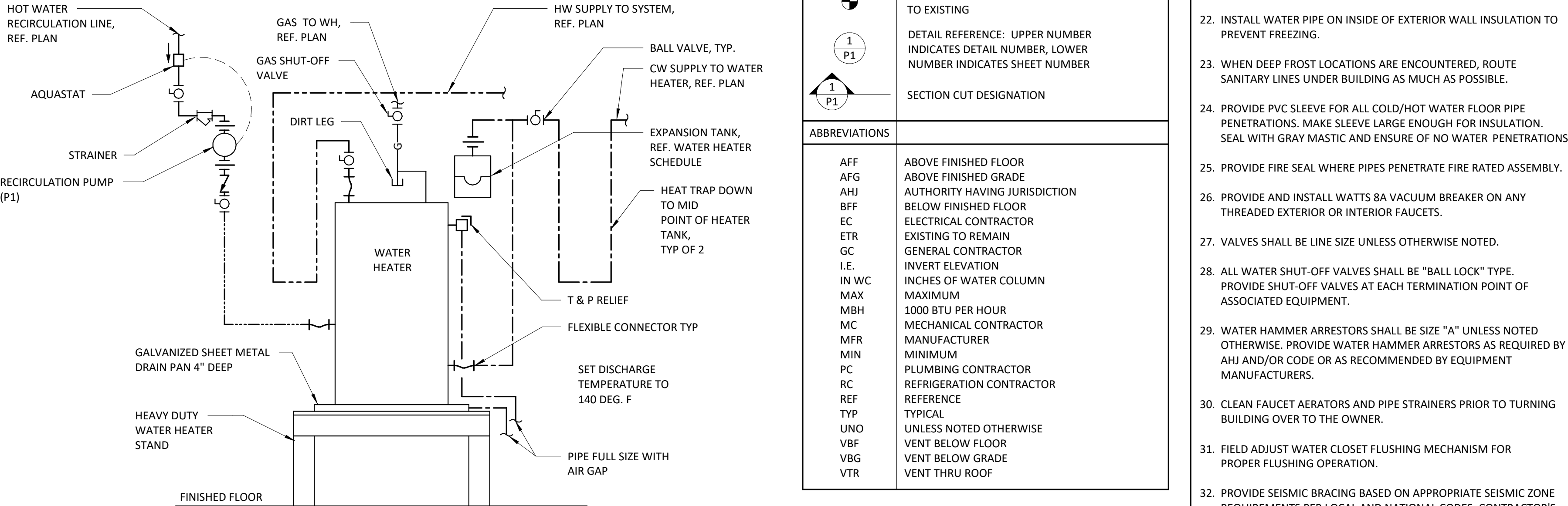


3 3-COMP SINK DETAIL  
P2.0 N.T.S.



REFER TO SPECIFICATIONS FOR INSULATION TYPES, INSULATION THICKNESSES, HANGER TYPES, HANGER ROD CONNECTIONS TO STRUCTURE, AND HANGER SPACING.

2 INSULATED PIPE HANGER  
P2.0 N.T.S.



1 WATER HEATER  
P2.0 N.T.S.

| PLUMBING SYMBOLS                           |   |
|--|---|
| (SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS) |   |
| SYMBOL                                     | DESCRIPTION   |
| ---  | DOMESTIC COLD WATER   |
| ----                                       | DOMESTIC HOT WATER  |
| -----                                      | DOMESTIC HOT WATER RETURN   |
| —SS—                                       | SANITARY SEWER  |
| —GW—                                       | GREASE WASTE  |
| ---FW---                                   | FILTERED WATER  |
| ---RO---                                   | REVERSE OSMOSIS WATER   |
| —A—  | COMPRESSED AIR  |
| — -- --                                    | VENT  |
| —T—  | TEMPERED WATER  |
| —G—  | NATURAL GAS   |
| —LP—                                       | LIQUID PROPANE  |
| —CD—                                       | CONDENSATE  |
| ○→○→○→                                     | PIPE: RISE / FALL / TEE DOWN  |
| ●  | SHUT-OFF VALVE  |
| ⊥C   | SHUT-OFF VALVE IN VERTICAL  |
| — — —                                      | UNION   |
| ⌈  | CAP   |
| ⌋  | VACUUM RELIEF VALVE   |
| ○  | FLOOR CLEANOUT  |
| ●  | FLOOR DRAIN, ROUND  |
| ⊠  | FLOOR DRAIN, SQUARE   |
| ⊠⊠   | FLOOR SINK, FULL/HALF GRATE   |
| ⋈  | CHECK VALVE   |
| ⋈⋈   | DOUBLE CHECK VALVE  |
| ⚡  | REDUCED PRESSURE ZONE   |
| ⊗  | GAS PRESSURE REGULATOR  |
| ▼  | GAS VALVE   |
| ⊠  | AUTOMATIC GAS VALVE   |
| — —  | FREEZE PROOF WALL HYDRANT   |
| +  | HOSE BIBB   |
| — —  | WALL CLEANOUT   |
| ⊗  | PUMP  |
| ▨ ▨  | EXISTING ITEMS TO BE REMOVED OR RELOCATED (SHOWN HATCHED AND NOTED)                         |
| ANNOTATION                                 |   |
| ①  | PLUMBING PLAN KEYNOTE   |
| XXX-1                                      | PLUMBING EQUIPMENT DESIGNATION  |
| ●  | CONNECTION POINT OF NEW WORK TO EXISTING  |
| ① P1                                       | DETAIL REFERENCE: UPPER NUMBER INDICATES DETAIL NUMBER, LOWER NUMBER INDICATES SHEET NUMBER |
| ① P1                                       | SECTION CUT DESIGNATION   |
| ABBREVIATIONS                              |   |
| AFF  | ABOVE FINISHED FLOOR  |
| AFG  | ABOVE FINISHED GRADE  |
| AHJ  | AUTHORITY HAVING JURISDICTION   |
| BFF  | BELOW FINISHED FLOOR  |
| EC   | ELECTRICAL CONTRACTOR   |
| ETR  | EXISTING TO REMAIN  |
| GC   | GENERAL CONTRACTOR  |
| I.E.                                       | INVERT ELEVATION  |
| IN WC                                      | INCHES OF WATER COLUMN  |
| MAX  | MAXIMUM   |
| MBH  | 1000 BTU PER HOUR   |
| MC   | MECHANICAL CONTRACTOR   |
| MFR  | MANUFACTURER  |
| MIN  | MINIMUM   |
| PC   | PLUMBING CONTRACTOR   |
| RC   | REFRIGERATION CONTRACTOR  |
| REF  | REFERENCE   |
| TYP  | TYPICAL   |
| UNO  | UNLESS NOTED OTHERWISE  |
| VBF  | VENT BELOW FLOOR  |
| VBG  | VENT BELOW GRADE  |
| VTR  | VENT THRU ROOF  |

## PLUMBING GENERAL NOTES

- NOTES APPLY TO ALL PLUMBING SHEETS.
- EACH CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK.
- PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH STATE AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
- EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER OF ANY CONFLICTS OR DISCREPANCIES.
- PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER, REFLECTING ANY VARIANCES OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS.
- PROVIDE TO THE ARCHITECT OR OWNER'S CONSTRUCTION MANAGER A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
- PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING.
- INSTALL CONCEALED PIPING TIGHT TO THE STRUCTURE AND AS HIGH AS POSSIBLE. INSTALL EXPOSED PIPING TIGHT TO THE STRUCTURE, WALL OR CEILING AND AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE LOCATIONS OF PIPING IN EXPOSED AREAS WITH ARCHITECT.
- COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTINGS, ETC. WHERE REQUIRED AND AS NOTED ON PLANS.
- COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS.
- COORDINATE SEWER AND WATER CONNECTIONS WITH CIVIL AND AHJ. PROVIDE PRESSURE REDUCING VALVE AND BACKFLOW PREVENTER AS SHOWN OR REQUIRED BY AHJ. VERIFY INVERT AND SLOPE OF INCOMING SANITARY SEWER BEFORE TRENCHING.
- REFER TO RISER DIAGRAMS AND PLUMBING FIXTURE SCHEDULES FOR ALL PIPING AND PIPE SIZES NOT SHOWN ON PLAN.
- SANITARY AND STORM SEWER PIPING SHOWN IS BASED ON 1/4" PER FOOT FALL FOR ALL PIPE SMALLER THAN 3" DIAMETER AND 1/8" PER FOOT FALL FOR PIPE 3" DIAMETER AND LARGER.
- ALL SEWER PIPING BELOW SLAB TO BE 2" DIAMETER MINIMUM.
- PROVIDE ACCESS DOORS TO ALL CONCEALED VALVES AND CLEANOUTS; AND NOT ABOVE AN ACCESSIBLE CEILING.
- PROVIDE TRAP GUARDS OR TRAP SEAL PRIMERS AND 1/2" COPPER TUBING CONNECTION TO ALL FLOOR DRAINS AS SHOWN OR AS REQUIRED BY AHJ. CONTRACTOR SHALL VERIFY REQUIREMENTS.
- INSTALL VTR'S, EXHAUST FANS, AND FLUES A MINIMUM 5'-0" FROM PARAPET OR OUTSIDE WALL AND 10'-0" MINIMUM FROM EQUIPMENT WITH OUTSIDE AIR INTAKE.
- PROVIDE INSULATION ON HOT AND COLD WATER PIPING, ROOF DRAIN BODIES, AND HORIZONTAL ROOF DRAIN PIPING.
- INSTALL WATER PIPE ON INSIDE OF EXTERIOR WALL INSULATION TO PREVENT FREEZING.
- WHEN DEEP FROST LOCATIONS ARE ENCOUNTERED, ROUTE SANITARY LINES UNDER BUILDING AS MUCH AS POSSIBLE.
- PROVIDE PVC SLEEVE FOR ALL COLD/HOT WATER FLOOR PIPE PENETRATIONS. MAKE SLEEVE LARGE ENOUGH FOR INSULATION. SEAL WITH GRAY MASTIC AND ENSURE OF NO WATER PENETRATIONS.
- PROVIDE FIRE SEAL WHERE PIPES PENETRATE FIRE RATED ASSEMBLY.
- PROVIDE AND INSTALL WATTS 8A VACUUM BREAKER ON ANY THREADED EXTERIOR OR INTERIOR FAUCETS.
- VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
- ALL WATER SHUT-OFF VALVES SHALL BE "BALL LOCK" TYPE. PROVIDE SHUT-OFF VALVES AT EACH TERMINATION POINT OF ASSOCIATED EQUIPMENT.
- WATER HAMMER ARRESTORS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE. PROVIDE WATER HAMMER ARRESTORS AS REQUIRED BY AHJ AND/OR CODE OR AS RECOMMENDED BY EQUIPMENT MANUFACTURERS.
- CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
- FIELD ADJUST WATER CLOSET FLUSHING MECHANISM FOR PROPER FLUSHING OPERATION.
- PROVIDE SEISMIC BRACING BASED ON APPROPRIATE SEISMIC ZONE REQUIREMENTS PER LOCAL AND NATIONAL CODES. CONTRACTOR'S RESPONSIBILITY INCLUDES STRUCTURAL ENGINEER'S CERTIFICATION ON DETAILS SUBMITTED FOR PERMITTING.



04/11/2025

Engineer Name - ANDREW D FINNEGAN  
Engineer Number - 15650

THE SEAL & SIGNATURE APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED & WE EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT.

## REVISIONS

| NO. | DATE | DESCRIPTION |
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Drawing Size: 24 x 36  
Project #: 24136

Drawn By: ADF  
Checked By: ADF

Title:

PLUMBING NOTES,  
DETAILS, AND  
SCHEDULES

Sheet Number:

P2.0

Date: 04/11/2025



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PLUMBING SPECIFICATIONS

1. GENERAL

1.1 GENERAL REQUIREMENTS

REQUIREMENTS UNDER DIVISION ONE AND THE GENERAL AND SUPPLEMENTARY CONDITIONS OF THESE SPECIFICATIONS SHALL BE A PART OF THIS SECTION. THE CONTRACTOR SHALL BECOME THOROUGHLY ACQUAINTED WITH ITS CONTENTS AS TO REQUIREMENTS THAT AFFECT THIS DIVISION OR SECTION. THE WORK REQUIRED UNDER THIS SECTION INCLUDES MATERIAL, EQUIPMENT, APPLIANCES, TRANSPORTATION, SERVICES, AND LABOR REQUIRED TO COMPLETE THE ENTIRE SYSTEM AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.

THE SPECIFICATIONS AND DRAWINGS FOR THE PROJECTS ARE COMPLEMENTARY, AND PORTIONS OF THE WORK DESCRIBED IN ONE, SHALL BE PROVIDED AS IF DESCRIBED IN BOTH. IN THE EVENT OF DISCREPANCIES, NOTIFY THE ENGINEER AND/OR OWNER AND REQUEST CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK INVOLVED.

1.2 INSPECTION OF SITE

PRIOR TO SUBMITTING BID, VISIT THE SITE OF THE PROPOSED WORK AND BECOME FULLY INFORMED AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. FAILURE TO DO SO WILL NOT BE CONSIDERED SUFFICIENT JUSTIFICATION TO REQUEST OR OBTAIN EXTRA COMPENSATION OVER AND ABOVE THE CONTRACT PRICE.

1.3 MATERIAL AND WORKMANSHIP

PROVIDE NEW MATERIAL, EQUIPMENT, AND APPARATUS UNDER THIS CONTRACT UNLESS OTHERWISE STATED HEREIN, OF BEST QUALITY NORMALLY USED FOR THE PURPOSE IN GOOD COMMERCIAL PRACTICE, AND FREE FROM ANY DEFECTS. MODEL NUMBERS LISTED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS ARE NOT NECESSARILY INTENDED TO DESIGNATE THE REQUIRED TRIM, WRITTEN DESCRIPTIONS OF THE TRIM GOVERN MODEL NUMBERS.

WORK PERFORMED UNDER THIS CONTRACT SHALL PROVIDE A NEAT AND "WORKMANLIKE" APPEARANCE WHEN COMPLETED, TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER. WORKMANSHIP SHALL BE THE FINEST POSSIBLE BY EXPERIENCED MECHANICS. INSTALLATIONS SHALL COMPLY WITH APPLICABLE CODES AND LAWS.

THE COMPLETE INSTALLATION SHALL FUNCTION AS DESIGNED AND INTENDED WITH RESPECT TO EFFICIENCY, CAPACITY, NOISE LEVEL, ETC. ABNORMAL NOISE CAUSED BY RATTLING EQUIPMENT, PIPING, AND SQUEAKS IN ROTATING COMPONENTS WILL NOT BE ACCEPTABLE. IN GENERAL, MATERIALS AND EQUIPMENT SHALL BE OF COMMERCIAL SPECIFICATION GRADE IN QUALITY. LIGHT DUTY AND RESIDENTIAL TYPE EQUIPMENT WILL NOT BE ACCEPTED.

REMOVE FROM THE PREMISES WASTE MATERIAL PRESENT AS A RESULT OF WORK, INCLUDING CARTONS, CRATING, PAPER, STICKERS, AND/OR EXCAVATION MATERIAL NOT USED IN BACKFILLING, ETC. CLEAN EQUIPMENT INSTALLED UNDER THIS CONTRACT TO PRESENT A NEAT AND CLEAN INSTALLATION AT THE TERMINATION OF THE WORK.

REPAIR OR REPLACE PUBLIC AND PRIVATE PROPERTY DAMAGED AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT TO THE SATISFACTION OF AUTHORITIES AND REGULATIONS HAVING JURISDICTION.

1.4 COORDINATION

COORDINATE WORK WITH THAT OF OTHER TRADES SO THAT THE VARIOUS COMPONENTS OF THE SYSTEMS WILL BE INSTALLED AT THE PROPER TIME, WILL FIT THE AVAILABLE SPACE, AND WILL ALLOW PROPER SERVICE ACCESS TO THOSE ITEMS REQUIRING MAINTENANCE. COMPONENTS WHICH ARE INSTALLED WITHOUT REGARD TO THE ABOVE SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER.

UNLESS OTHERWISE INDICATED, THE GENERAL CONTRACTOR WILL PROVIDE CHASES AND OPENINGS IN BUILDING CONSTRUCTION REQUIRED FOR INSTALLATION OF THE SYSTEMS SPECIFIED HEREIN. THE CONTRACTOR SHALL FURNISH THE GENERAL CONTRACTOR WITH INFORMATION WHERE CHASES AND OPENINGS ARE REQUIRED, KEEP INFORMED AS TO THE WORK OF OTHER TRADES ENGAGED IN THE CONSTRUCTION OF THE PROJECT, AND EXECUTE WORK IN A MANNER AS TO NOT INTERFERE WITH OR DELAY THE WORK OF OTHER TRADES.

FIGURED DIMENSIONS SHALL BE TAKEN IN PREFERENCE TO SCALE DIMENSIONS. CONTRACTOR SHALL TAKE HIS OWN MEASUREMENTS AT THE BUILDING, AS VARIATIONS MAY OCCUR. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ERRORS THAT COULD HAVE BEEN AVOIDED BY PROPER CHECKING AND INSPECTION.

PROVIDE MATERIALS WITH TRIM THAT WILL PROPERLY FIT THE TYPES OF CEILING, WALL, OR FLOOR FINISHES ACTUALLY INSTALLED. MODEL NUMBERS LISTED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS ARE NOT INTENDED TO DESIGNATE THE REQUIRED TRIM.

1.5 ORDINANCES AND CODES

WORK PERFORMED UNDER THIS CONTRACT SHALL, AT A MINIMUM, BE IN CONFORMANCE WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES HAVING JURISDICTION. EQUIPMENT FURNISHED AND ASSOCIATED INSTALLATION WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN STRICT COMPLIANCE WITH CURRENT APPLICABLE CODES ADOPTED BY THE LOCAL AHA INCLUDING ANY AMENDMENTS AND STANDARDS AS SET FORTH BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), UNDERWRITERS LABORATORIES (UL), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME), AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS (ASHRAE), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AMERICAN SOCIETY OF TESTING MATERIALS (ASTM), AND OTHER NATIONAL STANDARDS AND CODES WHERE APPLICABLE. WHERE THE CONTRACT DOCUMENTS EXCEED THE REQUIREMENTS OF THEIR REFERENCED CODES, STANDARDS, ETC., THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE.

PROCURE AND PAY FOR PERMITS AND LICENSES REQUIRED FOR THE ACCOMPLISHMENT OF THE WORK HEREIN DESCRIBED. WHERE REQUIRED, OBTAIN, PAY FOR, AND FURNISH CERTIFICATES OF INSPECTION TO THE OWNER. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR VIOLATIONS OF THE LAW.

1.6 PROTECTION OF EQUIPMENT AND MATERIALS

STORE AND PROTECT FROM DAMAGE EQUIPMENT AND MATERIALS DELIVERED TO JOB SITE. COVER WITH WATERPROOF, TEAR-RESISTANT, HEAVY TARP OR POLYETHYLENE PLASTIC AS REQUIRED TO PROTECT FROM PLASTER, DIRT, PAINT, WATER, OR PHYSICAL DAMAGE. EQUIPMENT AND MATERIAL THAT HAS BEEN DAMAGED BY CONSTRUCTION ACTIVITIES WILL BE REJECTED, AND CONTRACTOR IS OBLIGATED TO FURNISH NEW EQUIPMENT AND MATERIAL OF A LIKE KIND AS APPROVED BY OWNER.

KEEP PREMISES CLEAN FROM FOREIGN MATERIAL CREATED DURING WORK PERFORMED UNDER THIS CONTRACT. PIPING, EQUIPMENT, ETC., SHALL HAVE A NEAT AND CLEAN APPEARANCE AT THE TERMINATION OF THE WORK.

PLUG OR CAP OPEN ENDS OF PIPING SYSTEMS WHILE STORED OR INSTALLED DURING CONSTRUCTION WHEN NOT IN USE THE PREVENT THE ENTRANCE OF DEBRIS INTO THE SYSTEMS.

1.7 SUBSTITUTIONS

THE BASE BID SHALL INCLUDE ONLY THE PRODUCTS FROM MANUFACTURERS SPECIFICALLY NAMED IN THE DRAWINGS AND SPECIFICATIONS. NO SUBSTITUTION WILL BE CONSIDERED PRIOR TO RECEIPT OF BIDS UNLESS WRITTEN REQUEST FOR APPROVAL TO BID HAS BEEN RECEIVED BY THE ENGINEER AT LEAST TEN CALENDAR DAYS PRIOR TO THE DATE FOR RECEIPT OF BIDS. EACH SUCH REQUEST SHALL INCLUDE THE NAME OF THE MATERIAL OR EQUIPMENT FOR WHICH IT IS TO BE SUBSTITUTED AND A COMPLETE DESCRIPTION OF THE PROPOSED SUBSTITUTE INCLUDING DRAWINGS, CUTS, PERFORMANCE AND TEST DATA AND OTHER INFORMATION NECESSARY FOR AN EVALUATION. A STATEMENT SETTING FORTH CHANGES IN OTHER MATERIALS, EQUIPMENT OR OTHER WORK THAT INCORPORATION OF THE SUBSTITUTE WOULD REQUIRE SHALL BE INCLUDED. THE BURDEN OF PROOF OF THE MERIT OF THE PROPOSED SUBSTITUTE IS UPON THE PROPOSER. THE ENGINEER'S DECISION OF APPROVAL OR DISAPPROVAL TO BID OF A PROPOSED SUBSTITUTION SHALL BE FINAL.

THE TERMS "APPROVED", "APPROVED EQUAL", AND "EQUAL" REFER TO APPROVAL BY THE ENGINEER AS AN ACCEPTABLE ALTERNATE BID. NO SUBSTITUTIONS WILL BE CONSIDERED THAT ARE NOT BID AS AN ALTERNATE. NO MATERIAL SUBSTITUTIONS SHALL BE CONSIDERED FOR APPROVAL PRIOR TO AWARD OF CONTRACT.

COORDINATE AND VERIFY WITH OTHER TRADES WHETHER OR NOT THE SUBSTITUTED EQUIPMENT CAN BE INSTALLED AS SHOWN ON THE CONSTRUCTION DRAWINGS WITHOUT MODIFICATION TO ASSOCIATED SYSTEMS OR ARCHITECTURAL OR ENGINEERING DESIGN. INCLUDE ADDITIONAL COSTS FOR ARCHITECTURAL AND ENGINEERING DESIGN FEES IN BID IF DRAWING MODIFICATIONS ARE REQUIRED BECAUSE OF SUBSTITUTED EQUIPMENT.

1.8 OPERATION AND MAINTENANCE INSTRUCTIONS

COLLECT AND COMPILE A COMPLETE BROCHURE OF FIXTURES, MATERIALS, AND EQUIPMENT FURNISHED AND INSTALLED ON THIS PROJECT. INCLUDE OPERATIONAL AND MAINTENANCE INSTRUCTIONS, MANUFACTURER'S CATALOG SHEETS, WIRING DIAGRAMS, PARTS LISTS, APPROVED SHOP DRAWINGS, AND DESCRIPTIVE LITERATURE FURNISHED BY THE MANUFACTURER. INCLUDE AN INSIDE COVER SHEET THAT LISTS THE PROJECT NAME, DATE, OWNER, ARCHITECT, ENGINEER, GENERAL CONTRACTOR, SUBCONTRACTOR, AND AN INDEX OF CONTENTS.

SUBMIT COPIES OF LITERATURE BOUND IN APPROVED BINDERS TO THE ARCHITECT AND OWNER AT THE TERMINATION OF THE WORK. PAPER CLIPS, STAPLES, RUBBER BANDS, AND MAILING ENVELOPES ARE NOT CONSIDERED APPROVED BINDERS. FINAL APPROVAL OF PLUMBING SYSTEMS WILL BE WITHHELD UNTIL THIS EQUIPMENT BROCHURE IS DEEMED COMPLETE BY THE ARCHITECT, ENGINEER, AND OWNER.

1.9 SPARE PARTS

FURNISH TO OWNER, WITH RECEIPT, THE SPARE PARTS TO INCLUDE FAUCET WASHERS AND O-RINGS, FLUSHOMETER REPAIR KITS, AND WATER CLOSET TANK REPAIR KITS FOR THE FIXTURES FURNISHED FOR THIS PROJECT.

1.10 WARRANTIES

WARRANT EACH SYSTEM AND EACH ELEMENT THEREOF AGAINST ALL DEFECTS DUE TO FAULTY WORKMANSHIP, DESIGN, OR MATERIAL FOR A PERIOD OF 12 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION, UNLESS SPECIFIC ITEMS ARE NOTED TO CARRY A LONGER WARRANTY IN THE CONSTRUCTION DOCUMENTS OR MANUFACTURER'S STANDARD WARRANTY EXCEEDS 12 MONTHS. REMEDY ALL DEFECTS, OCCURRING WITHIN THE WARRANTY PERIOD(S), AS STATED IN THE GENERAL CONDITIONS AND DIVISION 1.

WARRANTIES SHALL INCLUDE LABOR AND MATERIAL. MAKE REPAIRS OR REPLACEMENTS WITHOUT ANY ADDITIONAL COSTS TO THE OWNER.

PERFORM THE REMEDIAL WORK PROMPTLY, UPON WRITTEN NOTICE FROM THE ENGINEER OR OWNER.

AT THE TIME OF SUBSTANTIAL COMPLETION, DELIVER TO THE OWNER ALL WARRANTIES, IN WRITING AND PROPERLY EXECUTED, INCLUDING TERM LIMITS FOR WARRANTIES EXTENDING BEYOND THE ONE YEAR PERIOD, EACH WARRANTY INSTRUMENT BEING ADDRESSED TO THE OWNER AND STATING THE COMMENCEMENT DATE AND TERM.

1.11 CUTTING AND PATCHING

PERFORM CUTTING OF WALLS, FLOORS, CEILINGS, ETC. AS REQUIRED TO INSTALL WORK UNDER THIS SECTION. OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO CUTTING. DO NO CUT OR DISTURB STRUCTURAL MEMBERS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT. CUT HOLES AS SMALL AS POSSIBLE. GENERAL CONTRACTOR SHALL PATCH WALLS, FLOORS, ETC. AS REQUIRED BY WORK UNDER THIS SECTION. PATCHING SHALL MATCH THE ORIGINAL MATERIAL AND CONSTRUCTION. REPAIR AND REFINISH AREAS DISTURBED BY WORK TO THE CONDITION OF ADJOINING SURFACES IN A MANNER SATISFACTORY TO THE ARCHITECT.

1.12 ROUGH-IN

COORDINATE WITHOUT DELAY ROUGHING-IN WITH GENERAL CONSTRUCTION. CONCEAL PIPING AND CONDUIT ROUGH-IN EXCEPT IN UNFINISHED AREAS WHERE OTHERWISE SHOWN.

1.13 STRUCTURAL STEEL

STRUCTURAL STEEL USED FOR PIPE SUPPORTS, EQUIPMENT SUPPORTS, ETC., SHALL BE NEW, CLEAN, AND CONFORM TO ASTM DESIGNATION A-36.

SUPPORT PLUMBING AND MECHANICAL EQUIPMENT AND PIPING FROM THE BUILDING STRUCTURE. DO NOT SUPPORT PLUMBING EQUIPMENT FROM CEILINGS, OTHER MECHANICAL OR ELECTRICAL COMPONENTS, AND OTHER NON-STRUCTURAL ELEMENTS.

1.14 ACCESS DOORS

PROVIDE ACCESS DOORS IN CEILINGS AND WALLS WHERE INDICATED OR REQUIRED FOR ACCESS TO CONCEALED VALVES AND EQUIPMENT INSTALLED UNDER THIS SECTION. PROVIDE CONCEALED HINGES, SCREWDRIWER-TYPE LOCK, ANCHOR STRAPS; MANUFACTURED BY MILCOR, ZURN, TITUS, OR EQUAL. OBTAIN ARCHITECT'S APPROVAL OF TYPE, SIZE, LOCATION, AND COLOR BEFORE ORDERING.

1.15 PENETRATIONS

SEAL FLOOR, EXTERIOR WALL AND ROOF PENETRATIONS WATER AND WEATHER TIGHT WITH APPROPRIATE NON-SHRINK, NON-HARDENING COMMERCIAL CONSTRUCTION SEALANT. SEAL ROOF PENETRATIONS WITH FOUR POUND PER SQUARE FOOT LEAD FLASHING. PROVIDE A SLEEVE, AND SEAL NON-FIRE-RATED FLOOR AND WALL PENETRATIONS WITH FIBERGLASS PACKING AND SILICONE CAULK (FOR ACOUSTICAL INSULATION).

COORDINATE FIRE RATING REQUIREMENTS AND LOCATIONS WITH THE ARCHITECT. SEAL PENETRATIONS OF FIRE-RATED ASSEMBLIES WITH 3M #CP-25 FIRE BARRIER CAULK (PROVIDE THICKNESS AND METHOD AS REQUIRED AND RECOMMENDED BY MANUFACTURER) TO MAINTAIN THE FIRE RESISTANCE RATING OF FIRE-RATED ASSEMBLIES.

SEAL EXTERIOR WALL PENETRATIONS BELOW GRADE WITH CAST IRON WALL PIPES AND MODULAR MECHANICAL SLEEVE SEALS, MANUFACTURED BY THUNDERLINE/LINK SEAL, CALPICO, INC AND METRAFLX.

PROVIDE SLEEVES FOR HORIZONTAL PIPE PASSING THROUGH OR UNDER THE FOUNDATION. SLEEVES SHALL BE CAST IRON SOIL PIPE TWO NOMINAL PIPE SIZES LARGER THAN THE PIPE SERVED.

PROVIDE SLEEVES FOR VERTICAL PIPE PASSING THROUGH SLAB ON GRADE. SLEEVES SHALL BE SCHEDULE 40 PVC PIPE, TWO NOMINAL PIPE SIZES LARGER THAN THE PIPE SERVED. SEAL WATER-TIGHT WITH SILICONE CAULK.

2. MATERIALS

2.1 DOMESTIC WATER PIPING

ABOVE AND BELOW GRADE WATER PIPING SHALL BE PEX TUBING CONFORMING TO ASTM F877 CROSS-LINKED POLYETHYLENE TUBING HOT AND COLD WATER DISTRIBUTION SYSTEMS, ASTM F876 CROSS-LINKED POLYETHYLENE TUBE, ASTM F1807 FITTING AND ASTM F2159 FITTINGS, COMPLY WITH NSF STANDARD 14 AND 61. PEX TUBING SHALL BE WATTS WATERPEX CROSS-LINKED POLYETHYLENE OR EQUAL. ALL PEX TUBING BELOW GRADE SHALL BE SLEEVED WITH PVC PIPE.

FITTINGS SHALL BE MECHANICAL CRIMP FITTINGS IN COMPLIANCE WITH ASTM F1807 AND F2159. PEX FITTINGS SHALL BE WATTS BRASS CRIMPING FITTINGS USING EITHER WATTS COPPER CRIMPRINS, OR STAINLESS STEEL CINCHCLAMP OR EQUAL, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

ABOVE AND BELOW GRADE WATER PIPING SHALL BE TYPE "L" AND "M" HARD DRAWN SEAMLESS COPPER TUBING CONFORMING TO ASTM B88.

COPPER UNIONS SHALL BE CAST-COPPER-ALLOY, HEXAGONAL-STOCK BODY, WITH BALL-AND-SOCKET, METAL-TO-METAL SEATING SURFACE AND SOLDER-JOINT. JOINING MATERIAL SHALL BE ASTM B813 WATER-FLUSHABLE, LEAD-FREE FLUX ALLOY SOLDER.

2.2 FILTERED WATER PIPING

ABOVE AND BELOW GRADE FILTERED WATER PIPING SHALL BE CPVC TUBING CONFORMING TO ASTM D2846 AND CSA B137 CHLORINATED POLY (VINYL CHLORIDE) PLASTIC HOT AND COLD WATER DISTRIBUTION SYSTEMS, ASTM D1784 RIGID AND CHLORINATED PVC COMPOUNDS, ASTM F493 SOLVENT CEMENTS, COMPLY WITH NSF STANDARD 14 AND 61. CPVC TUBING SHALL BE FLOWGUARD GOLD CPVC CTS OR EQUAL.

FITTINGS SHALL BE SOCKET TYPE JOINTS IN COMPLIANCE WITH ASTM D2846 AND CSA B137. CPVC FITTINGS SHALL BE FLOWGUARD GOLD CPVC CTS FITTINGS OR EQUAL. JOINING MATERIAL SHALL BE ASTM F493 SOLVENT CEMENT, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

ABOVE AND BELOW GRADE FILTERED WATER PIPING SHALL BE TYPE "L" AND "M" HARD DRAWN SEAMLESS COPPER TUBING CONFORMING TO ASTM B88.

COPPER UNIONS SHALL BE CAST-COPPER-ALLOY, HEXAGONAL-STOCK BODY, WITH BALL-AND-SOCKET, METAL-TO-METAL SEATING SURFACE AND SOLDER-JOINT. JOINING MATERIAL SHALL BE ASTM B813 WATER-FLUSHABLE, LEAD-FREE FLUX ALLOY SOLDER.

2.3 SOIL, WASTE, AND VENT PIPING

ABOVE AND BELOW GRADE SOIL, WASTE, AND VENT PIPING SHALL BE PVC PLASTIC, SCHEDULE 40 DWV PIPE CONFORMING TO ASTM D2665 WITH PLAIN ENDS. CELLULAR (FOAM) CORE PVC NOT ALLOWED. INSTALL PER ASTM D2665 AND ASTM D2321.

FITTINGS SHALL BE PVC SOCKET-TYPE DWV PIPE FITTINGS; ASTM D2665 MADE TO ASTM D3311 DRAIN, WASTE, AND VENT PATTERNS.

ABOVE AND BELOW GRADE SOIL, WASTE, AND VENT PIPING SHALL BE HUB-AND-SPIGOT CAST-IRON SOIL PIPE AND FITTINGS CONFORMING TO ASTM A74 WITH ASTM C564 RUBBER GASKETS. INSTALL CAST-IRON SOIL PIPING ACCORDING TO CISPI'S "CAST IRON SOIL PIPE AND FITTINGS HANDBOOK" CHAPTER IV, "INSTALLATION OF CAST IRON SOIL PIPE AND FITTINGS".

ABOVE GRADE SOIL, WASTE, AND VENT PIPING SHALL BE ALLOWED TO BE COPPER DRAINAGE TUBING CONFORMING TO ASTM B306 AT PLUMBING CONTRACTOR'S OPTION.

2.4 INDIRECT AND CONDENSATE DRAIN LINES

PROVIDE HARD DRAWN, TYPE "M" OR "L" COPPER PIPE FOR ALL CONDENSATE DRAIN PIPING FROM COOLER AND FREEZER EVAPORATORS. PROVIDE HEAT TRACE FOR ALL CONDENSATE DRAIN PIPING LOCATED IN FREEZERS, AND ROUTE TO FLOOR DRAIN IN BUILDING.

PROVIDE PVC PIPE FOR ALL OTHER INDIRECT AND CONDENSATE DRAIN PIPING FROM HVAC, PLUMBING, AND BEVERAGE EQUIPMENT, AND ROUTE TO FLOOR DRAIN IN BUILDING.

2.5 GAS PIPING

GAS PIPING SHALL BE SCHEDULE 40 BLACK CARBON STEEL CONFORMING TO ASTM A53. PIPING 2" AND SMALLER SHALL BE WELDED OR THREADED WITH MALLEABLE IRON FITTINGS. PIPING 2-1/2" AND LARGER SHALL BE WELDED WITH BUTT-WELDED FITTINGS.

FITTINGS SHALL CONFORM TO ASME B16.3, MALLEABLE IRON OR ASTM A234, FORGED STEEL WELDED TYPE.

PROVIDE SHUT-OFF VALVE, DIRT LEG, AND UNION AT EACH ROOFTOP UNIT. PAINT ALL GAS PIPING EXPOSED TO WEATHER WITH ONE COAT OF PRIMER, AND TWO COATS OF RUST-PROOF PAINT. COLOR SHALL MATCH BUILDING COLORS. COORDINATE WITH OWNER'S CONSTRUCTION MANAGER.

PROVIDE TREATED WOOD BLOCKING 6X6X12, 8'-0" OC MAX WITH GALVANIZED PIPE STRAP, 1 1/4" ZINC COATED LAG SCREWS, AND RUBBER WALKPAD ADHERED TO ROOF.

2.6 FLASHING

SHEET LEAD, 4 POUNDS PER SQUARE FOOT, MINIMUM.

2.7 INSULATION

2.7.1 DOMESTIC COLD WATER (WITHIN BUILDING)

COPPER PIPING: 1/2" WALL ONE-PIECE FIBERGLASS COVERING HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 WITH FIRE RESISTANT JACKET WITH SELF-SEALING LAP TO PROVIDE A CONTINUOUS VAPOR BARRIER BY CERTAINTEED, OWENS-CORNING, OR ARMSTRONG. (SEE BELOW FOR PLUMBING FITTING INSULATION REQUIREMENTS.)

PEX TUBING: NO INSULATION REQUIRED.

EXCEPTION: FOR NON-RECIRCULATING HOT WATER SYSTEM, PROVIDE 1/2" WALL ONE-PIECE FIBERGLASS COVERING HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 WITH FIRE RESISTANT JACKET WITH SELF-SEALING LAP TO PROVIDE A CONTINUOUS VAPOR BARRIER BY CERTAINTEED, OWENS-CORNING, OR ARMSTRONG ON THE FIRST 8 FEET OF INLET PIPING AT WATER HEATER.

CPVC TUBING: NO INSULATION REQUIRED.

2.7.2 DOMESTIC HOT WATER

COPPER PIPING: 1/2" WALL ONE-PIECE FIBERGLASS COVERING HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 WITH FIRE RESISTANT JACKET WITH SELF-SEALING LAP TO PROVIDE A CONTINUOUS VAPOR BARRIER BY CERTAINTEED, OWENS-CORNING, OR ARMSTRONG. (SEE BELOW FOR PLUMBING FITTING INSULATION REQUIREMENTS.)

PEX TUBING: 1/2" WALL ONE-PIECE FIBERGLASS COVERING HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 WITH FIRE RESISTANT JACKET WITH SELF-SEALING LAP TO PROVIDE A CONTINUOUS VAPOR BARRIER BY CERTAINTEED, OWENS-CORNING, OR ARMSTRONG. (SEE BELOW FOR PLUMBING FITTING INSULATION REQUIREMENTS.)

FOR HOT WATER PIPING BEING SERVED BY SYSTEM WITH RECIRCULATING PUMP, PROVIDE 1" WALL ONE-PIECE FIBERGLASS COVERING HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 WITH FIRE RESISTANT JACKET WITH SELF-SEALING LAP TO PROVIDE A CONTINUOUS VAPOR BARRIER BY CERTAINTEED, OWENS-CORNING, OR ARMSTRONG. (SEE BELOW FOR PLUMBING FITTING INSULATION REQUIREMENTS.)

2.7.3 INDIRECT AND CONDENSATE DRAIN PIPING (WITHIN BUILDING)

COPPER PIPING: PROVIDE 1" FLEXIBLE UNICELLULAR INSULATION BY ARMACELL.

PVC PIPING: NO INSULATION REQUIRED.

FOR PIPING AT HANGERS, PROVIDE 8" LONG SECTIONS OF HIGH DENSITY, HIGH TEMPERATURE CALCIUM SILICATE BY JOHNS-MANVILLE, FIBERGLASS BY KNAUF, OR 8" LONG STYROFOAM BILLETS BY DOW. INSULATION SHALL BE CONTINUOUS ALONG THE PIPE SURFACE, EXCEPT AT VALVES, UNIONS, AND WHERE PIPING IS EXPOSED AT FIXTURES.

FOR HOT AND COLD WATER PIPING EXPOSED, CONCEALED IN WALLS, AND/OR INSTALLED INSIDE MASONRY UNITS OF WALLS, COVER FITTINGS WITH ZESTON, KNAUF, OR EQUAL ONE-PIECE PVC PREMOLDED INSULATING COVERS. FITTING COVERS, JACKETS, AND ADHESIVES SHALL NOT EXCEED FLAME SPREAD RATING OF 25 AND SMOKE DEVELOPMENT RATING OF 50 PER ASTM E84. AT ALL ELBOWS AND TEES, FILL VOIDS BETWEEN COVERS AND PIPING WITH FIBERGLASS INSULATION AND TAPE JOINTS. INSTALL PIPE INSULATION IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS. WHERE PREMOLDED INSULATING FITTINGS ARE NOT APPROVED BY LOCAL AUTHORITIES, MITER INSULATION AT FITTINGS.

3. PIPING INSTALLATION

GENERAL: CLEAN PIPE THOROUGHLY PRIOR TO INSTALLATION. REAM ENDS OF PIPE TO REMOVE BURRS. CUT PIPE ACCURATELY TO MEASUREMENTS TAKEN ON THE JOB. INSTALL WITH ADEQUATE CLEARANCE FOR INSTALLATION OF COVERINGS WHERE REQUIRED. PIPE SHALL NOT BE SPRUNG OR BENT. NEATLY ALIGN PIPE, CONNECT IT SECURELY, AND SUPPORT IT FROM THE BUILDING, AND SUPPORT IT FROM THE BUILDING STRUCTURE WITH HANGERS AS SPECIFIED BELOW. PROVIDE CHROME-PLATED ESCUTCHEONS ON PIPES PASSING THROUGH CEILINGS, FLOORS, OR WALLS OF FINISHED SPACES. RUN PIPES FREELY THROUGH FLOOR AND WALL PENETRATIONS USING PIPE SLEEVES. DO NOT GROUT IN PLACE UNLESS REQUIRED FOR STRUCTURAL FIRE INTEGRITY. INSTALL PIPE CONCEALED IN FINISHED SPACES WHEREVER POSSIBLE. USE A DIELECTRIC UNION WHERE FERROUS AND COPPER PIPE CONNECT. DIELECTRIC UNION SHALL HAVE A ZINC STEEL BODY, A THREADED NYLON INSERT, AND INSULATION PRESSURE GASKET. NO FERROUS METAL-TO-COPPER CONNECTION MADE WITHOUT INSULATING UNIONS WILL BE ALLOWED.

HANGERS & SUPPORTS: PIPE HANGERS SHALL BE AS DESRIBED IN THE SPECIFICATIONS BY B-LINE OR EQUAL BY ANVIL, MICHIGAN, TRUSCON, OR UNISTRUT. CONNECT HANGERS TO THE STRUCTURE WITH SIDE BEAM CONNECTORS AND ALL THREAD HANGER RODS. PROVIDE ENGINEERED SUPPORT STRUTS BETWEEN JOISTS AND OTHER STRUCTURAL MEMBERS AS REQUIRED TO PROVIDE A RIGID HANGING.

DOMESTIC WATER: ARRANGE COLD, HOT, AND HOT WATER RECIRCULATION PIPING TO DRAIN AT THE LOWEST POINT IN EACH SYSTEM. INSTALL AT LEAST ONE PIPE UNION ADJACENT TO ALL SHUT-OFF VALVES, AT CONNECTION POINT OF EACH PIECE OF EQUIPMENT, AND ELSEWHERE IN THE SYSTEM WHERE REQUIRED TO ALLOW PROPER MAINTENANCE. PROVIDE UNIONS OF THE GROUND JOINT TYPE. MAKE ALLOWANCE FOR EXPANSION AND CONTRACTION WHERE REQUIRED BY THE INSTALLATION. WHERE WATER PIPING OCCURS IN EXTERIOR WALLS, HOLD PIPE AS CLOSE AS POSSIBLE TO THE INTERIOR FACE OF THE WALL AND INSTALL INSULATION BATT OR OTHER INSULATION (MINIMUM R-8) BETWEEN PIPING AND THE EXTERIOR WALL FACE.

4. EXTERIOR UTILITY CONNECTIONS

TERMINATE DOMESTIC WATER, STORM, AND SEWER LINES AT A POINT APPROXIMATELY FIVE FEET FROM THE BUILDING WALL, OR AS SHOWN ON THE DRAWINGS. MAKE CONNECTION TO THE VARIOUS SERVICES PROVIDED BY OTHERS AND COORDINATE CONNECTION REQUIREMENTS WITH CIVIL ENGINEER. VERIFY THAT INSTALLATION WILL TIE INTO THE VARIOUS SERVICE PROVIDED BY OTHERS AT THE INDICATED INVERT ELEVATION POINT PRIOR TO INSTALLATION. IF THE INSTALLATION WILL NOT TIE INTO THE INDICATED INVERT ELEVATION POINT WHILE MAINTAINING PROPER FALL, NOTIFY THE ARCHITECT AND CIVIL ENGINEER SO THAT AN ALTERNATIVE MAY BE DETERMINED.

PROVIDE SERVICE PIPING AND ACCESSORIES REQUIRED TO COMPLETE UTILITY CONNECTIONS THAT ARE NOT FURNISHED BY THE SERVING UTILITY.

5. TESTING AND INSPECTION

UPON COMPLETION OF EACH PHASE OF THE INSTALLATION. TEST EACH SYSTEM IN CONFORMANCE WITH LOCAL CODE REQUIREMENTS AND AS NOTED BELOW. FURNISH LABOR AND EQUIPMENT REQUIRED TO TEST PLUMBING WORK INSTALLED UNDER THIS CONTRACT, AND ASSUME COSTS INVOLVED IN MAKING THE TESTS, AND REPAIRING AND/OR REPLACING DAMAGE RESULTING THEREFROM.

NOTIFY THE ARCHITECT AND AUTHORITY HAVING JURISDICTION, THREE (3) WORKING DAYS PRIOR TO MAKING PLUMBING SYSTEM TESTS. LEAVE CONCEALED WORK UNCOVERED UNTIL THE REQUIRED TESTS HAVE BEEN COMPLETED, BUT IF NECESSARY DUE TO CONSTRUCTION PROCEDURE, TESTS ON PORTIONS OF THE WORK MAY BE MADE, AND WHEN SATISFACTORY, THE WORK MAY BE CONCEALED. TEST PIPING BEFORE INSULATION IS INSTALLED, AND BEFORE BACKFILL. PIPES, JOINTS, FLANGES, VALVE STEMS, ETC., SHALL BE LEAK TIGHT. REPAIR OR REPLACE SYSTEM DEFECTS WITH NEW MATERIALS. CAULKING OF DEFECTIVE JOINTS, CRACK OR HOLES WILL NOT BE PERMITTED. REPEAT TESTS AFTER DEFECTS HAVE BEEN ELIMINATED. MAKE TESTS IN THE PRESENCE OF THE ADMINISTRATIVE AUTHORITY AND/OR THE OWNER'S AUTHORIZED REPRESENTATIVE.

WORK SHALL BE INSPECTED FOR COMPLIANCE WITH CODES, ORDINANCES, REGULATIONS, AND ADHERENCE TO CONTRACT DOCUMENTS. PLUMBING CONTRACTOR SHALL SUPPLY OWNER WITH SIGNED FORMS OR PROOF OF ACCEPTANCE BY THE LOCAL AUTHORITY BEFORE CONTINUING FROM ONE STAGE TO ANOTHER. FINAL APPROVAL SHALL BE OBTAINED BEFORE FINAL PAYMENT IS MADE ON THE CONTRACT.

6. GUARANTEE

THE WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLATION, AND CONNECTION OF PLUMBING SYSTEMS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. BY SIGNING THE CONTRACT, THE PLUMBING CONTRACTOR ACKNOWLEDGES THAT HE HAS ACQUAINTED HIMSELF WITH THE SITE AND THE EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND THE DRAWINGS AND SPECIFICATIONS PERTAINING THERETO, AND HE INDICATES THAT HE WILL COMPLY WITH THE REQUIREMENTS AND INTENT OF PERTINENT DOCUMENTS IN THE PERFORMANCE OF THE WORK.



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