INTERIOR RENOVATIONS FOR:

CHEROKEE COUNTY PROBATION OFFICE

400 EAST MAIN STREET CANTON, GA 30114

FIRE MARSHAL'S NOTES

THE FOLLOWING PLANS HAVE BEEN REVIEWED BY THE CHEROKEE COUNTY FIRE MARSHAL'S OFFICE. THE DRAWINGS WERE REVIEWED UNDER THE APPLICABLE LAWS ADOPTED AT THE TIME. EVERY EFFORT WAS MADE TO ENSURE CODE COMPLIANCE. ANY CODE VIOLATIONS THAT WERE MISSED DURING THE PLAN REVIEW ARE THE OWNER'S RESPONSIBILITY AND MUST BE CORRECTED TO RECEIVE FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY (CO).

A PRE-CONSTRUCTION MEETING, 50%, 80% AND 100% INSPECTIONS ARE REQUIRED UNLESS AT THE PRE-CONSTRUCTION MEETING IT IS DETERMINED THAT ALL INSPECTIONS ARE NOT REQUIRED.

ALL FIRE INSPECTIONS ARE SCHEDULED THROUGH THE CITYVIEW PORTAL UNDER THE SAME PERMIT NUMBER AS THE BUILDING PERMIT. THIS MUST BE DONE BY THE CONTRACTOR.

THE EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE ON THE SAME CIRCUIT AS THE AREA FEEDING THE LIGHTING FOR THAT AREA. 2020 NFPA 70, SECTION 700.12 F (2) (3), THE BRANCH CIRCUIT FEEDING THE UNIT EQUIPMENT SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.

BUILDING INFORMATION

OWNER:

CHEROKEE COUNTY BOARD OF COMMISSIONERS 1130 BLUFFS PARKWAY

CANTON, GA. 30114

CONSTRUCTION TYPE:

IBC - IIB

NUMBER OF STORIES:

OCCUPANCY TYPE:

BUSINESS ONE

NO BUILDING SPRINKLERED:

CIVIL

BUILDING SQUARE FOOTAGE: 7,270 S.F. GROSS

TBD CITYVIEW NUMBER

THESE DRAWINGS ARE THE EXCLUSIVE PROPERTY OF KRH ARCHITECTS AND HAVE BEEN PREPARED AS AN INSTRUMENT OF SERVICE FOR THE CHEROKEE COUNTY BOARD OF COMMISSIONERS. THE USE OR REPRODUCTION IN ANY FORM OF THESE CONTRACT DOCUMENTS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT IS PROHIBITED.

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CODE INFORMATION

ALL WORK IN RENOVATED AREAS SHALL BE IN COMPLIANCE WITH THE **FOLLOWING CODES:**

2018 LIFE SAFETY CODE (LSC) - INCLUDING THE GA 120-3-3 RULES & REGULATIONS OF THE STATE FIRE COMMISSIONER

2018 INTERNATIONAL BUILDING CODE (IBC) - 2020 GEORGIA AMENDMENTS

2018 INTERNATIONAL FIRE CODE (IFC) WITH CURENT GEORGIA AMENDMENTS

2018 INTERNATIONAL MECHANICAL CODE (IMC) - 2020 GEORGIA AMENDMENTS

2018 INTERNATIONAL PLUMBING CODE (IPC) - 2020 GEORGIA AMENDMENTS

2018 INTERNATIONAL FUEL GAS CODE - 2020 GEORGIA AMENDMENTS

2020 NATIONAL ELECTRIC CODE (NEC) WITH CURRENT GEORGIA AMENDMENTS

2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) - 2020 GEORGIA **AMENDMENTS**

2010 A.D.A. STANDARDS FOR ACCESSIBLE DESIGN - INCLUDING GA. ACCESSIBILITY STANDARDS 120-3-20

ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS

TEL. 706.295.9440

LUNDY ENGINEERING

ELECTRICAL

229 LAND ROAD WALESKA, GA 30183 TEL. 678.634.6941

INDEX OF DRAWINGS

- TITLE SHEET, BUILDING INFORMATION
- LIFE SAFETY PLAN
- U.L. DETAILS
- U.L. DETAILS DEMOLITION PLAN
- RENOVATION PLAN
- DIMENSION PLAN
- REFLECTED CEILING PLAN
- **ELEVATIONS**
- SECTIONS AND DETAILS
- SCHEDULES, ELEVATIONS AND DETAILS SCHEDULES, CASEWORK ELEVATIONS
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- MECHANICAL SCHEDULES, NOTES & LEGEND
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- **ELECTRICAL NOTES, LEGEND & SPECIFICATIONS**
- ELECTRICAL DETAILS **ELECTRICAL SCHEDULES**
- ELECTRICAL DEMO PLAN
- ELECTRICAL CEILING PLAN

PROJECT NUMBER 23-001 **FACILTY CODE**

DRAWING REVISIONS NO. TYPE DATE 08/21/23 CITYVIEW REVISIONS SECOND RFP 10/13/23

PRELIMINARY REVIEW CHECKSET REVIEW

FINAL SET REVIEW

FOR CONSTRUCTION

05/15/23

DATE

SHEET INDEX



ARCHITECTURAL

KRH ARCHITECTS, INC. 855 ABUTMENT RD., STE. 4 **DALTON, GA 30721** TEL. 706.529.5895

STRUCTURAL

MECHANICAL

THE DESIGN GROUP P.O. BOX 9394 DOTHAN, AL 36304

GROUP

N/A

DOOR EGRESS CAPACIT	DOOR EGRESS CAPACITIES AT .2 PER PERSON:						
SIZE	CLEAR	NUMBER OF					
	WIDTHS	PEOPLE					
3'-0" SINGLE	33.5"	168					
3'-0" PAIR W/ MULLION	67"	335					

IDENTIFICATION OF FIRE AND SMOKE RATED WALLS:

ALL FIRE RATED WALLS AND PARTITIONS SHALL BE PERMANENTLY IDENTIFIED ABOVE THE CEILING LINE WITH WORDING AS FOLLOWS:

" -HR. RATED FIRE OR SMOKE BARRIER PROTECT ALL OPENINGS" SUCH IDENTIFICATION SHALL CONSIST OF 2" H. RED LETTERS PAINTED DIRECTLY ON BOTH SIDES OF THE WALL. USE RED ENAMEL PAINT AND STENCILS. SPACING SHALL BE 10'-0" O.C. MAXIMUM.

THE FOLLOWING WALLS SHALL BE SO IDENTIFIED: ALL RATED WALLS & PARTITIONS-AS INDICATED ON SHEET A0.1.

NOTE: KEY LOCK BOX IS REQUIRED PER CHEROKEE COUNTY ORDINANCE 2018-0-008, ARTICLE III - EMERGENCY ENTRANCE KEY LOCK BOX STATES THAT THE FIRE INSPECTOR WILL APPROVE THE LOCATION FOR THE BOX DURING THE 50% OR 80% INSPECTION. GENERALLY, THESE BOXES ARE LOCATED FIVE (5) FEET ABOVE GRADE AND TO THE RIGHT OF THE MAIN ENTRY DOOR. THE REQUIRED KNOX BOX MUST BE ORDERED THROUGH WWW.KNOXBOX.COM, USING CHEROKEE CO FIRE/EMS AS THE LOCAL DEPARTMENT/AGENCY. KNOX BOX SHALL BE OF A RECESSED TYPE. KNOX BOX TO BE PROVIDED BY GENERAL CONTRACTOR.

NOTE: PORTABLE FIRE EXTINGUISHERS WILL BE PROVIDED PER NFPA 101. AN INSPECTOR OF THE FIRE MARSHAL'S OFFICE PRIOR TO FINAL INSPECTION WILL DETERMINE THE LOCATION AND ARRAGEMENT OF THE EXTINGUISHERS. A MINIMUM OF FOUR EXTINGUISHERS WITH THE POSSIBILITY OF ONE EVERY SEVENTY-FIVE (75) MAY BE REQUIRED.

NOTE: CONTRACTOR SHALL SUBMIT FIRE ALARM PLANS TO THE FIRE MARSHAL'S OFFICE FOR REVIEW AND PERMIT. THESE PLANS MUST BE UPLOADED TO THE CITYVIEW PORTAL UNDER "APPLY FOR A BUILDING PERMIT". CONTRACTOR SHALL BE IN POSSESSION OF PERMIT PRIOR TO COMMENCEMENT OF WORK. ANY DESIGN OF THESE SYSTEMS SHOWN ON THIS SET OF CONTRACT DOCUMENTS SHALL BE FOR REFERENCE ONLY AND IS NOT PART OF THE CHEROKEE COUNTY FIRE MARSHAL'S OFFICE REVIEW.

NOTE: CONTRACTOR SHALL PROVIDE FULL DETAILS AND CUTSHEETS FOR ALL MATERIALS USED IN ALL U.L. DESIGNED ASSEMBLIES TO THE FIRE MARSHAL'S OFFICE FOR APPROVAL.

NOTE: ALL EVACUATION ROUTES ARE DESIGNED TO BE HANDICAP ACCESSIBLE.

PLAN LEGEND

F.E. - FIRE EXTINGUISHER AND CABINET

- EXISTING WALL - CONSTRUCTION OF WALL VARIES. FIELD

DETAILS FOR FURTHER INFORMATION.

- EXISTING WALL TO RECEIVE NEW GYP ON 1.5" METAL

FURRING STRIPS AND MASONRY VENEER. SEE PLANS AND

N.I.C. - NOT IN CONTRACT

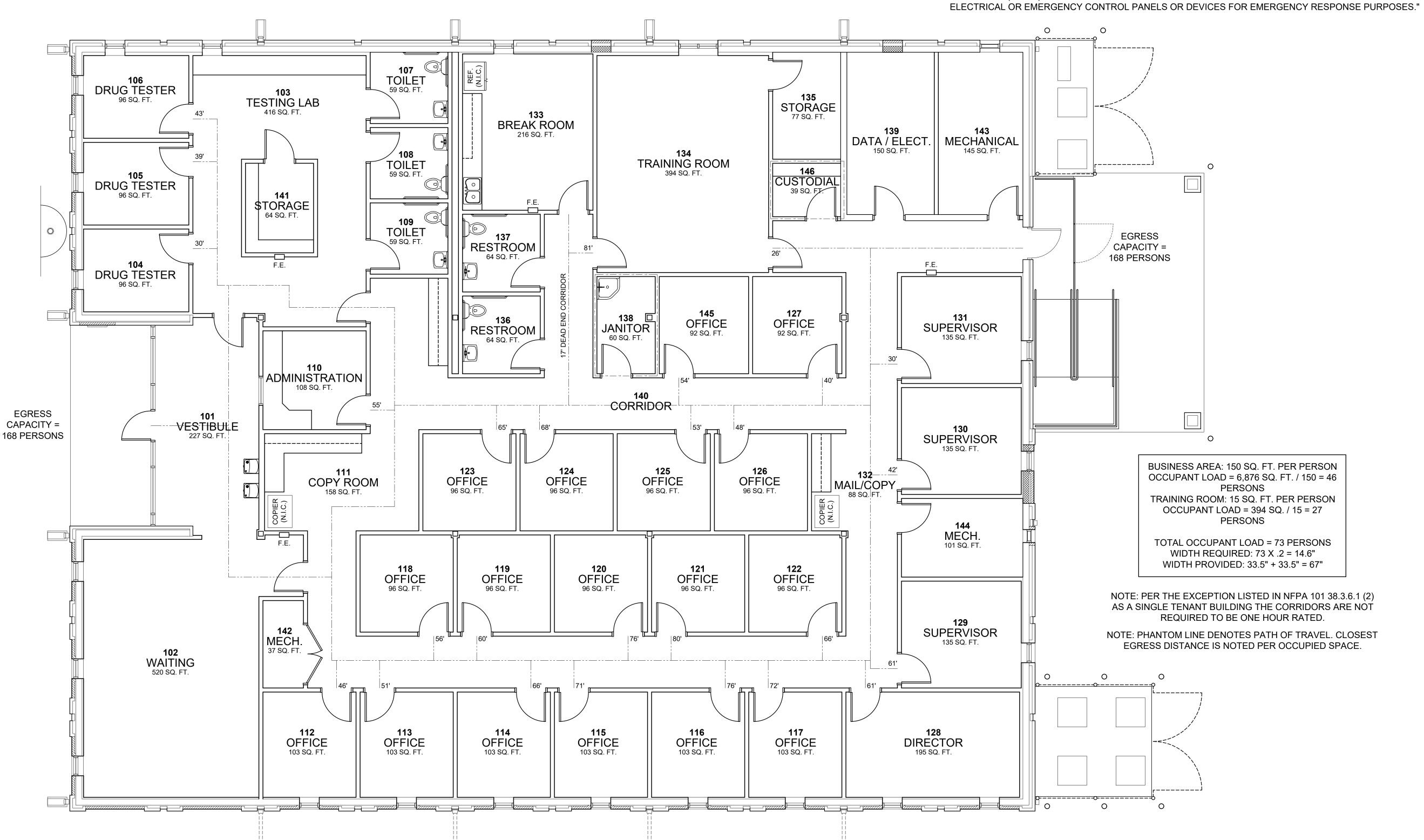
- TYPICAL WINDOW

FURTHER INFORMATION.

- NEW 5/8" GYP BD. AND 3-5/8" METAL STUD PARTITION TO EXTEND 1'-0" ABOVE CEILING UNLESS NOTED OTHERWISE. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.

- ONE HOUR RATED PARTITION SEALED TIGHT TO DECK PER U.L. DESIGNS #U419 OR #U905. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.

NOTE: THE MECHANICAL ROOMS ARE NOT RATED PER THE GA AMENDMENTS EXCEPTION TO THE IBC WHICH STATES: "THE PROVISIONS OF 38.3.2.1 SHALL NOT APPLY TO ROOMS ENCLOSING AIR HANDLING EQUIPMENT, COMPRESSOR EQUIPMENT, FURNACES OR OTHER HEATING EQUIPMENT WITH A TOTAL AGGREGATE INPUT RATING LESS THAN 200,000 BTU INPUT. SUCH ROOMS SHALL NOT BE USED FOR ANY COMBUSTIBLE STORAGE. A MINIMUM OF 30 INCHES (0.76 M) UNOBSTRUCTED ACCESS SHALL BE PROVIDED AND MAINTAINED TO EQUIPMENT AND



PROBATION OFFICE LIFE SAFETY PLAN

7,270 S.F. GROSS

- NEW CMU WALL WITH GYP ON 1.5" METAL FURRING STRIPS AND MASONRY VENEER. SEE PLANS AND DETAILS FOR

> **REVISIONS** DATE

PROJECT NUMBER

23-001

DATE

05/15/23

CITYVIEW REV. 08/21/23

SECOND RFP 10/13/23

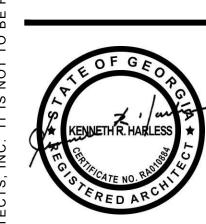
FACILITY CODE



855 ABUTMENT ROAD SUITE FOUR

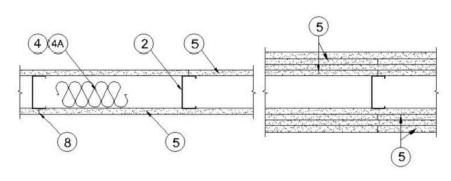
DALTON, GA 30721 TEL. 706.529.5895

R CHER Ö INTERIOR PROBA



SHEET INDEX LIFE SAFETY

PLAN



1. Floor and Ceiling Runners -- (Not shown) -- For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. Floor and Ceiling Runners* -- Not shown - In lieu of Item 1 -- For use with Item 2A, proprietary channel shaped, min. 3-5/8 in. wide with 1 in. long legs, fabricated from min. 0.0150 in. (0.0146 in., min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max. DIETRICH INDUSTRIES INC -- UltraSTEEL®.

1B. Floor and Ceiling Runners -- (Not shown - In lieu of Item 1) -- For use with Item 2A, proprietary channel shaped, min. 2-9/16 in. wide with 1-3/16 in. wide flanges, fabricated from min. 0.0150 in. galvanized steel, attached to floor and ceiling fasteners 24 in. OC. DIETRICH INDUSTRIES INC -- UltraSTEEL®.

2. Steel Studs -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width as indicated under Item 5, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. 2A. Steel Studs* -- In lieu of Item 2 - Proprietary channel shaped studs, min. width as indicated under Item 5, min. 1-1/4 in. long legs and 1/4 in. long folded back return flange legs, fabricated from min. 0.0155 in. (0.0149 in., min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. Allowable use of studs is shown in the table below. For direct attachment of gypsum board only. DIETRICH INDUSTRIES INC -- UltraSTEEL®.

2B. Steel Studs -- (As an alternate to Item 2, For use with Item 5B) Channel shaped, fabricated from min 20 MSG (0.0327 in. thick) corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

- 3. Wood Structural Panel Sheathing -- (Optional, For use with Item 5 Only.)- (Not Shown) 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field.
- 4. Batts and Blankets* -- (Required as indicated under Item 5) -- Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified

4A. Batts and Blankets* -- (Optional) -- Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

5. Gypsum Board* -- Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows: Wallboard Protection on Each Side of Wall

Rating Min Stud Depth (Item 2) Min Stud Depth (Item 2A) No. of Layers & Thkns of Panel Min Thkns of Insulation (Item 4)

1	3-1/2	3-5/8	1 layer, 5/8 in. thick	Optional
1	2-1/2	3-5/8	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	3-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 1/2 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 5/8 in. thick	Optional
2	3-1/2	3-5/8	1 layer, 3/4 in. thick	3 in.
3	1-5/8	2-1/2	3 layers, 1/2 in. thick	Optional
3	1-5/8	2-1/2	2 layers, 3/4 in. thick	Optional
3	1-5/8	2-1/2	3 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 1/2 in. thick	Optional
4	2-1/2	2-1/2	2 layers, 3/4 in. thick	2 in.

CANADIAN GYPSUM COMPANY -- 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG MEXICO S A DE C V -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min.

thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. Gypsum Board* -- (As an alternate to Item 5) -- 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6. CANADIAN GYPSUM COMPANY -- Type SHX.

UNITED STATES GYPSUM CO -- Type FRX-G, SHX.

USG MEXICO S A DE C V -- Type SHX.

5B. Gypsum Board* -- (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 3) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. RAY-BAR ENGINEERING CORP -- Type RB-LBG

6. Fasteners -- (Not shown) -- For use with Item 2 - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

6A. Fasteners -- (Not shown) --For use with Item 2A - Type S or S-12 steel screws used to attach panels to studs (Item 2). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8-1/2 in. OC with additional screws 1 in. and 2-1/2 in. from edges of the board when panels are horizontally. or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems applied vertically: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Two layer systems applied horizontally: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC starting 8 in. from each edge of the board with an additional screw placed 1-1/4 in. from each edge of the board. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC starting 8 in. from each edge of the board with an additional screw placed 1-1/4 in. from each edge of the board with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board.

7. Furring Channels -- (Optional, not shown, for single or double layer systems) -- Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

7A. Steel Framing Members (Not Shown)* -- (Optional on one or both sides, not shown, for single or double layer systems) -- As an alternate to Item 7, furring channels and Steel Framing Members as described below: a. Furring Channels -- Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as

described in Item 6. Not for use with Item 5A. b. Steel Framing Members* -- Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 clips secured to study with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. PAC INTERNATIONAL INC -- Types RSIC-1, RSIC-V.

7B. Steel Framing Members (Optional, Not Shown)* -- As an alternate to Item 7, furring channels and Steel Framing Members on only one side of studs as described below:

a. Furring Channels -- Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

b. Steel Framing Members* -- Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips. KINETICS NOISE CONTROL INC -- Type Isomax

- 8. Joint Tape and Compound -- Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.
- 9. Siding, Brick or Stucco -- (Optional, not shown) -- Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.
- 10. Caulking and Sealants* -- (Optional, not shown) -- A bead of acoustical sealant applied around the partition perimeter for sound control. UNITED STATES GYPSUM CO -- Type AS
- 11. Lead Batten Strips -- (Not Shown, For Use With Item 5B) Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.
- 12. Lead Discs or Tabs -- (Not Shown, For Use With Item 5B) Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". *Bearing the UL Classification Mark

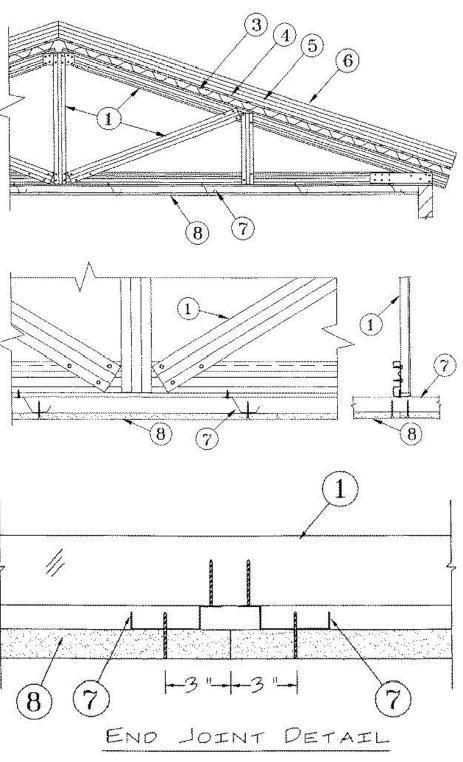
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Design No. P521

Restrained Assembly Rating — 1, 1-1/2 and 2 Hr. (See Items 3A, 5, 5A, 5B, 5C, 5D, 8 and 8A) Unrestrained Assembly Rating — 1, 1-1/2 and 2 Hr. (See Items 3A, 5, 5A, 5B 5C, 5D, 8 and 8A) This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

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



1. Structural Steel Members* — Pre-fabricated light gauge steel truss system consisting of cold-formed, galvanized steel chord and web sections. Trusses fabricated in various sizes, depths, and from various steel thickness. Trusses spaced a max of 48 in. OC.

AEGIS METAL FRAMING, DIV OF MITEK — Ultra-Span, Pre-fabricated Light Gauge Steel Truss System

end-joints staggered in adjacent rows. Units loosely laid, adhered or mechanically attached to steel roof deck.

UNITED STATES GYPSUM CO — Type DCB.

2. Bridging — (Not Shown) — Location of lateral bracing for truss chord and web sections to be specified on truss engineering. 3. Steel Floor and Form Units — (Classified or Unclassified) — Corrugated or fluted steel form units, min 22 MSG painted or galv steel, welded or mechanically fastened max 12 in. OC to truss-top chords. 4. Cementitious Backer Units* — Nom 1/2 or 5/8 in. thick sheets. End-joists to occur over crests of steel roof deck with

4A. Gypsum Board — (Classified or Unclassified) — (Not Shown) — As an alternate to Item 4, Gypsum sheathing, min 1/2 in. thick, applied perpendicular to steel roof deck. End joints to occur over crests of steel roof deck. Sheathing loosely laid, adhered or mechanically attached to steel roof deck. See Gypsum Board (CKNX) category for names of Classified

Roof Insulation — Foamed Plastic* — Any polyisocyanurate foamed plastic insulation boards bearing the UL Classification Marking. Min thickness is 1 in. for the 1 hr assembly ratings, 2 in. for the 1-1/2 hr assembly ratings and 4 in. for the 2 hr ratings, with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4) or gypsum sheathing (Item 4A), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer of board to be offset in both directions from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units or gypsum sheathing, and to steel roof deck (Item 3). See Foamed Plastic (CCVW) Category in the Fire Resistance Directory.

5A. Roof Insulation — Foamed Plastic* — (Not Shown) — As an alternate to Item 5 — For 1 and 1-1/2 hr ratings only — Any polystyrene foamed plastic insulation boards bearing the UL Classification Marking. Min thickness is 1 in. for the 1 hr assembly ratings, and 2 in. for the 1-1/2 hr assembly ratings, with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4) or gypsum sheathing (Item 4A), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer or board to be offset in both directions from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units or gypsum sheathing, and to steel roof deck (Item 3). See Foamed Plastic (BRYX) category in the Building Materials Directory or Foamed Plastic (CCVW) category in the Fire Resistance Directory.

5B. Roof Insulation — Mineral and Fiber Boards* — (Not Shown) — As an alternate to Item 5 — Mineral wool, glass fiber or perlite insulation boards, 24 by 48 in. min size, applied in one or more layers. Min thickness is 1 in. for the 1 hr assembly ratings, 2 in. for the 1-1/2 hr assembly rating and 4 in. for the 2 hr ratings, with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4) or gypsum sheathing (Item 4A), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer of board to be offset in both directions from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units or gypsum sheathing, and to steel roof deck (Item 3).

See Mineral and Fiber Boards (BQXR) Category in the Building Materials Directory or Mineral and Fiber Boards (CERZ) Category in the Fire Resistance Directory.

5C. Roof Insulation —Building Units* — (Not Shown) — As an alternate to Item 5—Any polyisocyanurate foamed plastic insulation faced on the top surface with oriented strand board or faced on the underside or both sides with wood fiber board, bearing the UL Classification Marking for Fire Resistance. No min thickness of the polyisocyanurate foamed plastic core required for the 1 hr assembly ratings, min 2 in. polyisocyanurate foamed plastic core for the 1-1/2 hr assembly ratings and min 4 in. polyisocyanurate foamed plastic core for the 2 hr rating with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4) or gypsum sheathing (Item 4A), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer of board to be offset in both directions from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units or gypsum sheathing and to steel roof deck (Item 3). See Building Units (BZXX) category in the Fire Resistance Directory. 5D. Roof Insulation — Foamed Plastic* — (Not Shown) — For use with Item 8A. Any polyisocyanurate foamed plastic insulation boards bearing the UL Classification Marking. Min thickness is 1 in. for the 1 hr. Assembly Ratings and 3 in. for the 1-1/2 hr and 2 hr. Assembly Ratings, with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer of board to be offset from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units (Item 4). See Foamed Plastic (CCVW) Category in the Fire Resistance Directory. 6. Roof Covering* — Consisting of hot-mopped or cold-application materials compatible with insulation(s) described herin which provide Class A, B or C coverings. See Roofing Materials and Systems Directory-Roof Covering Materials

6A. Roofing Membrane* — (Not Shown) — In lieu of Item 6, single-ply membrane that is either ballasted, adhered or mechanically attached to the insulation(s) described herin as permitted under the respective company's Classification. See Fire Resistance Directory-Roofing Membranes (CHCI) Category.

6B. Metal Roof Deck Panels* — In Lieu of or in addition to Items 6 and 6A, the roof covering may consist of mechanically fastened galv or painted steel roof deck panels. Panels may be installed above a steel purlin assembly per metal roof deck manufacturer's specifications. Steel purlin assembly to be installed transverse to steel roof trusses (Item 1). A line of sealant or tape may be used at panel side and end laps. See Metal Roof Deck Panels Category in the Roofing Materials and Systems Directory (TJPV) or Fire Resistance Directory (CETW) for names of manufacturers.

6C. Roof Cove

ring* — In Lieu of Item 6 —Any UL Class A, B or C Prepared Roof Covering (TFWZ) acceptable for use over plywood sheathing or nonveneer APA Rated Series Sheathing. Sheathing mechanically fastened through roof insulation to top chord of steel trusses with fasteners spaced a max of 12 in. OC. As an alternate to the plywood sheathing or nonveneer APA Rated Series Sheathing, the Prepared Roof Covering (TFWZ) may be applied directly to the Building Units* (Item 5C) if the building units also carry the UL Classification Marking for Prepared Roofing Accessories (TGDY). Fasteners to be of sufficient length to penetrate top chord of truss by 3/8 in.

1. Resilient Channels — Resilient channels formed of 25 MSG galv steel, installed perpendicular to the trusses (Item 1) when steel trusses are spaced a max 24 in. OC,. Resilient channels spaced a max of 16 in. OC. Channels oriented opposite at wallboard butt-joints. Channel spices overlapped 4 in. beneath steel trusses. Channels secured to each truss with Type S-12 by 1/2 in. long screws.

7A. Furring Channels — (Not Shown) — As an alternate to Item 7 — Hat chanels min 20 MSG galv steel, min 2-5/8 in. wide by min 7/8 in. deep, installed perpendicular to the trusses (Item 1) spaced a max of 16 in. OC. Two courses of channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channel splices overlapped 6 in. beneath steel trusses. Channels secured to each truss with No. 18 SWG steel wire double strand saddle ties. Channels tied together with double strand of No.18 SWG steel wire at each end overlap. 7B. Resilient Channels — (Not Shown) — As an alternate to Items 7 and 7A, resilient channels, double legged formed of 25 MSG galv steel, 2-7/8 in. wide by 1/2 in. deep, perpendicular to steel trusses (Item 1) when steel trusses are spaced a max 24 in. OC. Resilient channels spaced a max of 16 in. OC. Two courses of resilient channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channel splices overlapped 4 in. beneath steel trusses. Channels

secured to each truss with Type S12 by 1/2 in. long screws or with No. 18 SWG galv steel wire double strand saddle ties. Channels tied together with double strand of No. 18 SWG galv steel wire at each end overlap. 2. Gypsum Board* — For all ratings except the 2 Hr Assembly Ratings — One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws spaced 12 in. OC along butted end-joints and 12 in. OC in the field. For the 2 Hr Ratings — Two layers of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trussses. Base layer attached as described above. Face layer attached to the resilient channels using 1-5/8 in. long Type S bugle-head screws spaced 12 in. OC along butted end-joints and 12 in. OC in the field. Screws staggered from base layer screws. Face layer side and

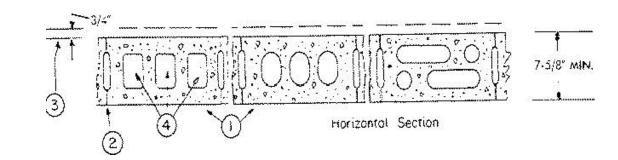
end joints offset a minimum 16 in. from base layer side and end joints. CGC INC — Types C, IP-X2, IPC-AR.

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR.

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR.

Design No. U905

Bearing Wall Rating -- 2 HR. Nonbearing Wall Rating -- 2 HR Load Restricted for Canadian Applications -- See Guide BXUV7



1. Concrete Blocks* -- Various designs. Classification D-2 (2 hr). See Concrete Blocks category for list of eligible manufacturers.

2. Mortar -- Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. Portland Cement Stucco or Gypsum Plaster -- Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1). 4. Loose Masonry Fill -- If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln

Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to 5. Foamed Plastic* -- (Optional-Not Shown) -- 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

THE DOW CHEMICAL CO -- Type Thermax

*Bearing the UL Classification Mark

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PROJECT NUMBER 23-001

DATE 05/15/23

REVISIONS DATE 00/00/00

FACILITY CODE



855 ABUTMENT ROAD SUITE FOUR DALTON, GA 30721 TEL. 706.529.5895

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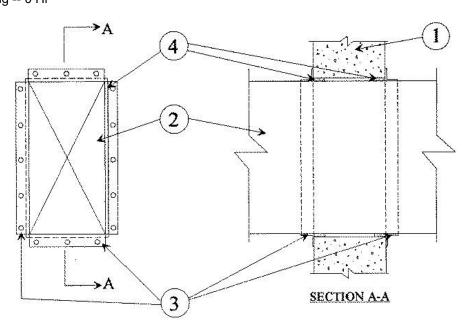
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SHEET INDEX U.L. DETAILS

SHEET INDEX

FOR CONSTRUCTION



1. Wall Assembly -- Min 3-3/4 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max area of opening is 325 sq in. with max dimension of 25 in.

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Steel Vent Duct -- Nom 12 x 24 in. (or smaller) x 24 gauge (or heavier) galv steel vent duct. One vent duct to be positioned within the firestop system. The annular space shall be min 1/4 in. to a max 3/4 in. Duct to be rigidly supported on both sides of the wall assembly.

3. Steel Retaining Angle -- Nom 2 x 2 x 1/8 in. steel angles attached to all four sides of the duct on both sides of the wall. The angles shall be attached with No. 8 (or larger) steel sheet metal screws or 1/4 in. diam by min 1 in. long steel bolts and nuts spaced within a max of 2 in. from each end and at a max of 5 in. OC.

4. Fill, Void or Cavity Material* -- Sealant -- Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall.

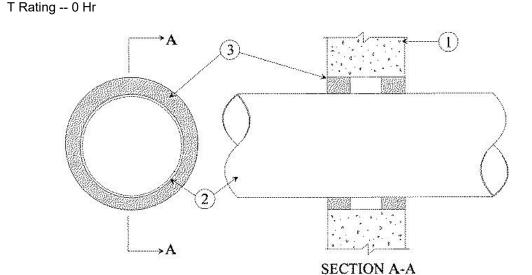
HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC -- CP601S, CP606 or FS-One Sealant

*Bearing the UL Classification Mark

System No. W-J-1028

F Ratings -- 1 & 2 Hr (See Item 3)



1. Wall Assembly -- Min 2-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 12-1/2 in.

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of

2. Through-Penetrants -- One metallic pipe, conduit or tubing to be centered within the firestop system. The annular space between pipes, conduit or tubing and periphery of opening shall be min 1/2 in. to max 7/8 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe -- Nom 10 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Conduit -- Nom 4 in. diam (or smaller) steel electrical metallic tubing or nom 6 in. diam (or

smaller) steel conduit.

C. Copper Tubing -- Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.

D. Copper Pipe -- Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.

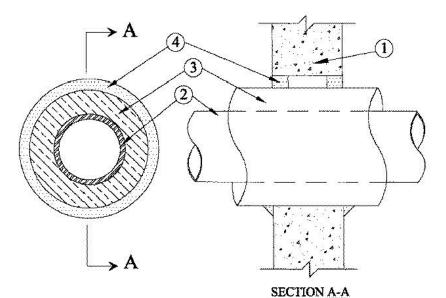
3. Fill, Void or Cavity Material* -- Sealant -- Min 5/8 in. or 1-1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of wall for 1 hr and 2 hr fire-rated walls, respectively. HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC -- CP 601s or FS-ONE Sealant

*Bearing the UL Classification Mark

System No. W-J-5042

F Ratings -- 1 and 2 Hr (See Items 1 and 4)
T Ratings -- 1/2, 3/4, 1, 1-1/2 and 1-3/4 Hr (See Item 3)
L Rating At Ambient -- 4 CFM/Sq Ft
L Rating at 400 F -- Less Than 1 CFM/Sq Ft



1. Wall Assembly -- Min 3-3/4 in. and 5 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete for 1 and 2 h rated assemblies, respectively. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 18-5/8 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through--Penetrants -- One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

A. Steel Pipe -- Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe -- Nom 12 in. diam (or smaller) cast or ductile iron pipe.C. Copper Tubing -- Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.

D. Copper Pipe -- Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.

3. Pipe Covering* -- Nom 1, 1-1/2 or 2 in. thick hollow-cylindrical heavy density (min 3.5)

3. Pipe Covering* -- Nom 1, 1-1/2 or 2 in. thick hollow-cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.

See Pipe and Equipment Covering Materials (BRGU) category in the Building Materials Directory for the names of the manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

The hourly T Rating of the firestop system is dependent on the size and type of through penetrant, the pipe covering thickness and the annular space as shown in the table below:

Wall Assembly	Through	Penetrant	Pipe Covering	Annu	lar Space	T Dating Ur
Rating	Type +	Max Diameter In.	Thickness In.	Min. In.	Max In.	T Rating Hr.
1	A,B	4	1	0	1-1/2	1/2
1	C OR D	2	1 OR 1-1/2	0	1-1/2	1/2
1	A,B	4	1-1/2	0	1-1/2	1
1	A,B	10	2	0	1-7/8	3/4
1	C OR D	6	2	0	1-7/8	1
2	A,B	4	1	0	1-1/2	1
2	C OR D	4	1 OR 1-1/2	0	1-1/2	1
2	A,B	4	1-1/2	0	1-1/2	1-3/4
2	A,B	12	2	0	1-7/8	1-1/2
2	C OR D	6	2	0	1_7/8	1

+-Indicates penetrant type as itemized in Item 2.

4. Fill, Void or Cavity Material*--Sealant -- Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe covering/wall interface on both surfaces of wall.

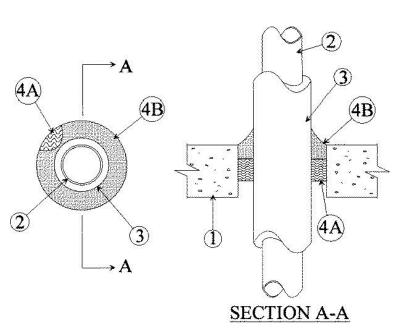
HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC -- FS-One Sealant

*Bearing the UL Classification Mark

System No. C-BJ-5008

F Rating -- 3 Hr T Rating -- 3 Hr



1. Floor or Wall Assembly -- Min 6 in. thick reinforced normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 16 in.

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Steel Pipe -- Nom 8 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. One pipe to be installed either concentrically or eccentrically within the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly.

3. Pipe Coverings -- One of the following types of pipe coverings shall be used:

A. Pipe and Equipment Coverings and Materials* -- Nom 2 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners for factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space within the firestop system shall be min 1/2 in. to max 2 in.

See Pipe and Equipment Covering -- Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

B. Pipe Covering Materials* -- Nom 2 in. thick unfaced mineral fiber pipe insulation having a nom density of 3.5 pcf (or heavier) and sized to the outside diam of pipe or tube. Pipe insulation secured with min 8 AWG steel wire spaced max 12 in. OC. The annular space within the firestop system shall be min 1/2 in. to max 2 in.

IIG MINWOOL L L C -- High Temperature Pipe Insulation 1200, High Temperature Pipe Insulation BWT or High Temperature Pipe Insulation Thermaloc

C. Sheathing Material* -- Used in conjunction with item 3B. Foil-scrim-kraft or all service jacket material shall be wrapped around the outer circumference of the pipe insulation (Item 3B) with the kraft side exposed. Longitudinal joints and transverse joints sealed with metal fasteners or butt tape.

See Sheating Materials (BVDV) category in the Building Materials Directory for names of manufacturers. Any sheathing material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

1. Firestop System -- The firestop system shall consist of the following:

A. Packing Material -- Min 2-1/2 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

B. Fill, Void or Cavity Material* -- Sealant -- Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces. Additional fill material to be installed such that a min 1/4 in. crown is formed around the penetrating

W R GRACE & CO - CONN -- FS 1900 Sealant

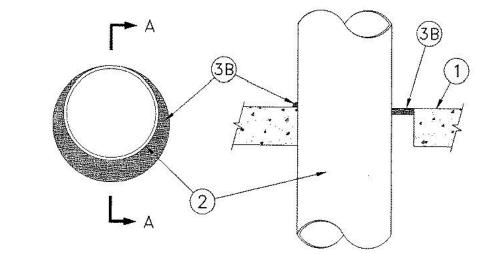
*Bearing the UL Classification Mark

System No. C-AJ-1235

T Rating -- 0 Hr

F Ratings -- 2 and 3 Hr (See Item 3B)

L Rating at Ambient - Less than 1 CFM/sq ft L Rating at 400° F - Less than 1 CFM/sq ft



SECTION 'A-A'

1. Floor or Wall Assembly -- Min 4-1/2 in. (114 mm) thick reinforced normal weight (140-150 pcf or 2200-2400 kg/m3) concrete. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete Units*. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 26 in. (660 mm). If the firestop system is installed within a hollow-core precast concrete unit, max diam of opening shall be 7 in. (178 mm). See Concrete Block (CAZT) and Precast Concrete Units (CFTV) categories in the Fire Resistance Directory for names of

manufacturers.

1A. Metallic Sleeve -- (Not shown, Optional) -- Nom 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or

grouted into floor or wall assembly, flush with floor or wall surfaces. The use and the max diam of the steel sleeve is dependent upon the type and max diam of the through penetrant (Item 3) and type and min fill material thickness as tabulated in Item 3B.

2. Through Penetrants -- One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe, conduit or tubing and the periphery of the opening shall be min 0 in. (point contact) to a max 1-7/8 in. (48 mm). Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe -- Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.B. Iron Pipe -- Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe.

C. Conduit -- Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 6 in. (152 mm) diam (or smaller) steel conduit.

D. Copper Tubing -- Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. Copper Pipe -- Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Firestop System -- The firestop system shall consist of the following:

A. Packing Material -- Min 4 pcf (64 m3) mineral wool batt insulation firmly packed into opening or min 1 in. (25 mm) diam backer rod friction fitted into the opening as a form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material. When the floor is constructed of hollow-core precast concrete units, packing material shall be recessed from both surfaces of floor to accommodate the required thickness of fill materials. In floors, the packing material may be removed after the fill material cures.

B. Fill, Void or Cavity Material* -- Sealant -- Fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. At the point contact location between through penetrant and concrete, a min 3/8 in. (10 mm) diam bead of fill material shall be applied at the concrete/through penetrant interface on the top surface of floor and on both surfaces of wall. When the floor is constructed of hollow-core precast concrete units, fill material shall be installed symmetrically on both sides of floor, flush with both floor surfaces. The F Rating of the firestop system is dependent upon the use and the max diam of the steel sleeve, type and max diam of the through penetrant and type and min fill material thickness as tabulated below:

Use of Steel Sleeve	Max. Dia. of Stl. Sleeve In.	Type of Through Penetration	Max. Dia. of Through Penetration In.	Type of Fill Material	Min. Fill Material Thickness In.	F Rating Hr.
Not Permitted	-	Steel or Iron Pipe	24 (610)	FS1900	1 (25)	3
Permitted	8 (203)	Steel or Iron Pipe	6 (125)	FS1900	1 (25)	3
Permitted	8 (203)	Copper Pipe, Tube or Stl.	6 (125)	FS1900	1 (25)	3
Permitted	6 (125)	Steel EMT	4 (102)	FS1900	1 (25)	3
Permitted	6 (125)	Steel or Iron Pipe	4 (102)	FS1900	1/2 (13)	2
Permitted	6 (125)	Copper Pipe, Tube or Stl.	4 (102)	FS1900	1/2 (13)	2
Permitted	6 (125)	Steel EMT	4 (102)	FS1900	1/2 (13)	2
Not Permitted	-	Steel or Iron Pipe	24 (610)	FS900/FS900+	1/2 (13)	3
Permitted	8 (203)	Steel or Iron Pipe	6 (125)	FS900/FS900+	1/2 (13)	3
Permitted	8 (203)	Copper Pipe, Tube or Stl.	6 (125)	FS900/FS900+	1/2 (13)	3
Permitted	6 (125)	Steel EMT	4 (102)	FS900/FS900+	1/2 (13)	3

W R GRACE & CO - CONN -- FlameSafe® FS1900, Flamesafe® FS900, FlameSafe® FS900+.

*Bearing the UL Classification Mark

PROJECT NUMBER

23-001

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05/15/23
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855 ABUTMENT ROAD SUITE FOUR DALTON, GA 30721 TEL. 706.529.5895

ENOVATIONS FOR CHEROKEE COUNTION OFFICE
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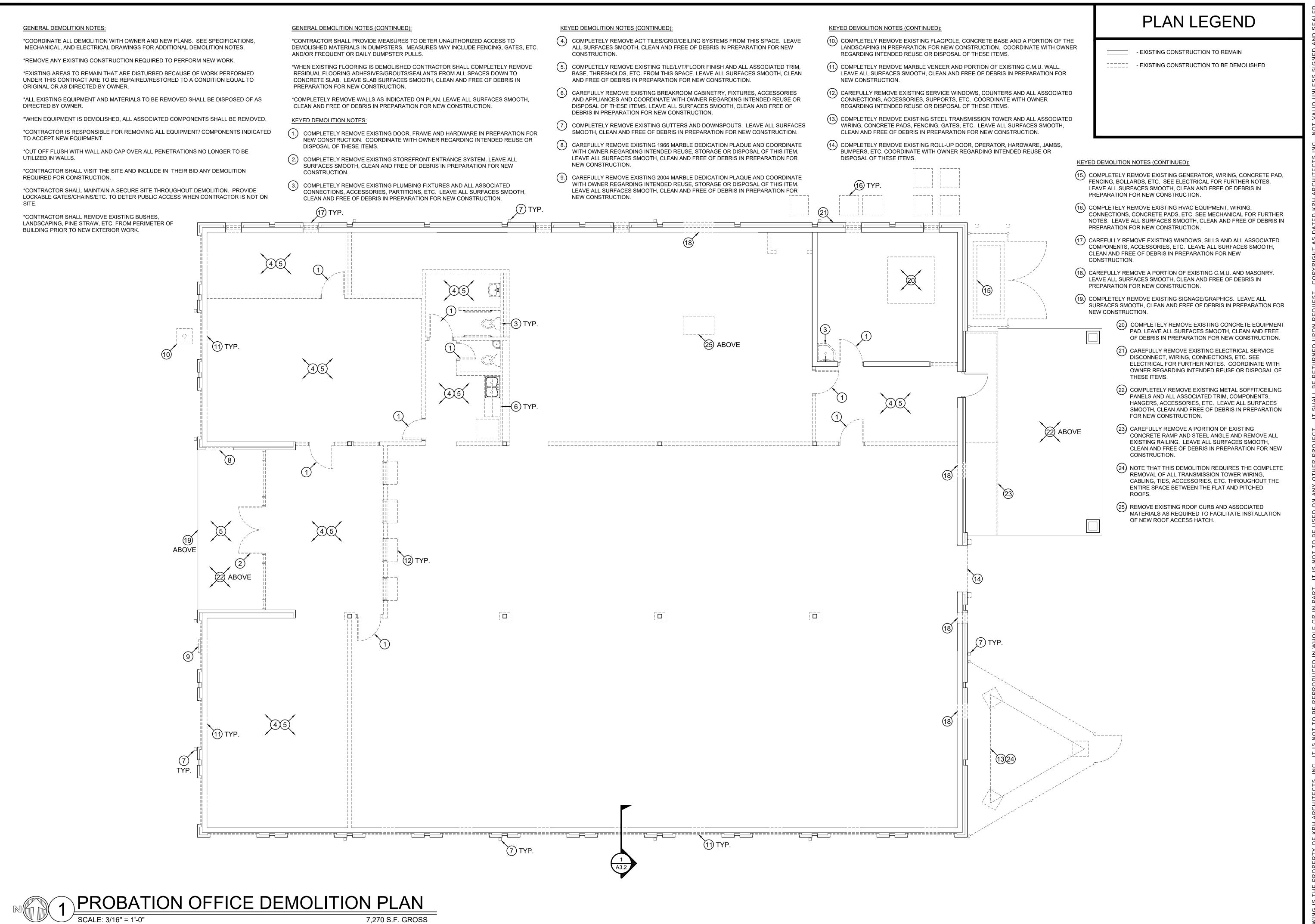


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SHEET INDEX
U.L. DETAILS

SHEET INDEX

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23-001

DATE

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10/13/23

FACILITY CODE



855 ABUTMENT ROAD SUITE FOUR

DALTON, GA 30721 TEL. 706.529.5895

SHEET INDEX **DEMOLITION** PLAN

GENERAL RENOVATION NOTES:

*CONTRACTOR TO PROVIDE FINE GRADING/EARTHWORK AS NEEDED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING PRIOR TO NEW LANDSCAPING. PROVIDE NEW HARDWOOD MULCH OF MINIMUM 6" DEPTH ON TYPICAL 5'-0" WIDE GEOTEXTILE FABRIC, WITH A CONTINUOUS VARIEGATED LIRIOPE BORDER ALONG THE NORTH BUILDING FACE (BROWN STREET) AND THE WEST BUILDING FACE (E MAIN STREET). THESE NEW LANDSCAPING BEDS SHALL ALSO BE POPULATED WITH 30 LOROPETALUM BUSHES OF A MINIMUM 2-GALLON SIZE. SUBMIT FINAL LAYOUT OF LANDSCAPING ITEMS TO OWNER FOR APPROVAL PRIOR TO INSTALLATION. REFERENCE SECTION 02900 FOR PLANTING REQUIREMENTS.

*ALL EXTERIOR SURFACES INCLUDING EXISTING SIDEWALKS AND ASPHALT TO REMAIN SHALL BE THOROUGHLY CLEANED BY THE CONTRACTOR UPON COMPLETION OF THE

*PENETRATIONS IN THE MASONRY VENEER EXPOSED BY THE REMOVAL OF DEMOLISHED

ITEMS SHALL BE PATCHED WITH MATERIALS TO MATCH. *MASONRY VENEER SHALL BE REPAIRED AT ALL AREAS NOTED PER THESE DOCUMENTS

*SEE SHEET A4.2 FOR CASEWORK ELEVATIONS AND SHEET A4.3 FOR TYPICAL CASEWORK SECTIONS.

*THE PARKING SPACES BORDERING FOWLER'S FLORIST ARE NOT PART OF THIS PROJECT'S PROPERTY AND CANNOT BE USED FOR PARKING, LAY-OUT SPACE, OR ANY CONSTRUCTION RELATED TRAFFIC OR PURPOSE. THEY ALSO CANNOT BE BLOCKED OR INACCESSIBLE AT

KEYED RENOVATION NOTES:

- (1.) NEW FLAGPOLE AND ACCESSORIES, SEE SPECIFICATIONS. SEE ELECTRICAL FOR LIGHTING REQUIREMENTS. MOUNT FLAGPOLE IN NEW 2'-8" RADIUS CONCRETE SIDEWALK POURED FLUSH WITH EXISTING WALK AS SHOWN. SEE SIDEWALK DETAILS.
- (2.) INFILL VOID FROM REMOVED MARBLE DEDICATION PLAQUE WITH NEW MASONRY VENEER AND PROVIDE NEW MOUNTED 3'-0" BY 3'-0" BRONZE BUILDING PLAQUE, SEE SPECIFICATIONS. FINAL WORDING OF PLAQUE CONTENTS TBD.
- (3.) PROVIDE NEW GUARDRAIL, HANDRAILS, GATE & PORTION OF RAMP. SEE DIMENSIONS, ELEVATIONS & DETAILS ON OTHER SHEETS. FIELD VERIFY EXISTING CONDITIONS & PROVIDE FINAL ASSEMBLY IN FULL COMPLIANCE WITH ALL APPLICABLE CODES.
- (4.) REPAIR AND REPOINT MASONRY VENEER IN THIS LOCATION. FINISH TO MATCH SURROUNDING MATERIALS AND PREPARE FOR NEW PAINT.
- 5. NEW 6" DIAMETER PIPE BOLLARD WITH DECORATIVE POLY COVER. SEE BOLLARD

7,270 S.F. GROSS

KEYED RENOVATION NOTES (CONTINUED):

- (7.) THE BRICK VENEER AT THE JAMBS BETWEEN THE FORMED ARCHES ON THE SOUTH ELEVATION SHALL BE STABILIZED WITH SIMPSON HELI-TIE HELICAL WALL TIES. PLACE TIES APPROXIMATELY 12" APART HORIZONTALLY AND AT VERTICAL SPACING NOT TO EXCEED 2'-0" ON CENTER. TIES SHOULD BEGIN NO HIGHER THAN 12" FROM THE BOTTOM OF THE WALL AND EXTEND VERTICALLY UNTIL THE LAST ROW OF TIES IS LOCATED NO LESS THAN 8" ABOVE THE TOP OF THE ARCH. ALL TIES SHALL BE A MINIMUM OF 11" LONG WITH A MINIMUM EMBEDMENT OF 2-3/4" INTO THE EXISTING CMU SUBSTRATE. ALL TIES SHALL BE INSTALLED PURSUANT TO MANUFACTURER'S INSTRUCTIONS. AFTER TIES ARE INSTALLED, ALL LOOSE MORTAR SHALL BE REMOVED AND BRICK SHALL BE REPOINTED. IT IS IMPORTANT THAT THE ENTIRE JOINT IS REPOINTED SUCH THAT THE EXISTING CORRUGATED TIES ARE NO LONGER EXPOSED TO THE ELEMENTS. THE BRICK VENEER SHALL BE PAINTED ONCE THIS WORK IS COMPLETED. SEE DETAIL ON ELEVATION SHEET.
- (8.) HVAC LOUVER, SEE MECHANICAL. INSTALL IN WALL AND MASONRY VENEER AND FINISH TO MATCH SURROUNDING MATERIALS.
- (9.) APPROXIMATE LAYOUT OF LOW VOLTAGE RACKS AND EQUIPMENT AND REQUIRED

PLAN LEGEND

- NEW CMU WALL WITH GYP ON 1.5" METAL FURRING STRIPS AND MASONRY VENEER. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.

■ - TYPICAL WINDOW

(100) - DOOR NUMBER TAG

A - NEW WINDOW TYPE TAG

- EXISTING WALL - CONSTRUCTION OF WALL VARIES. FIELD

- EXISTING WALL TO RECEIVE NEW GYP ON 1.5" METAL FURRING STRIPS AND MASONRY VENEER. SEE PLANS AND

DETAILS FOR FURTHER INFORMATION.

- NEW 5/8" GYP BD. AND 3-5/8" METAL STUD PARTITION TO EXTEND 1'-0" ABOVE CEILING UNLESS NOTED OTHERWISE. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.

F.E. - FIRE EXTINGUISHER AND CABINET

N.I.C. - NOT IN CONTRACT

D.F. - DRINKING FOUNTAIN. SEE PLUMBING.

GUTTER AND DOWNSPOUT NOTES:

855 ABUTMENT ROAD SUITE FOUR **DALTON, GA 30721**

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05/15/23

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10/13/23

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INTERIOR PROBA

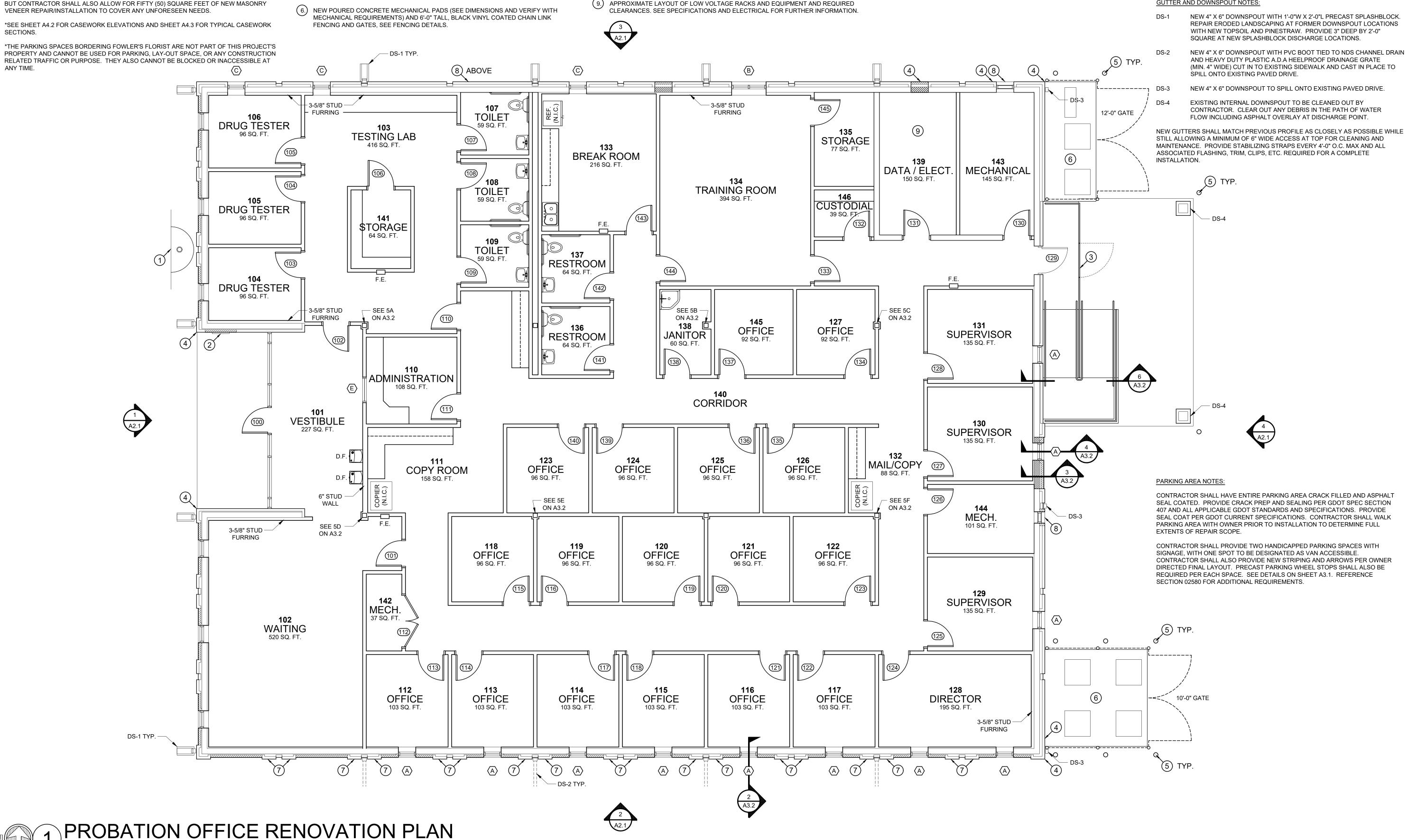


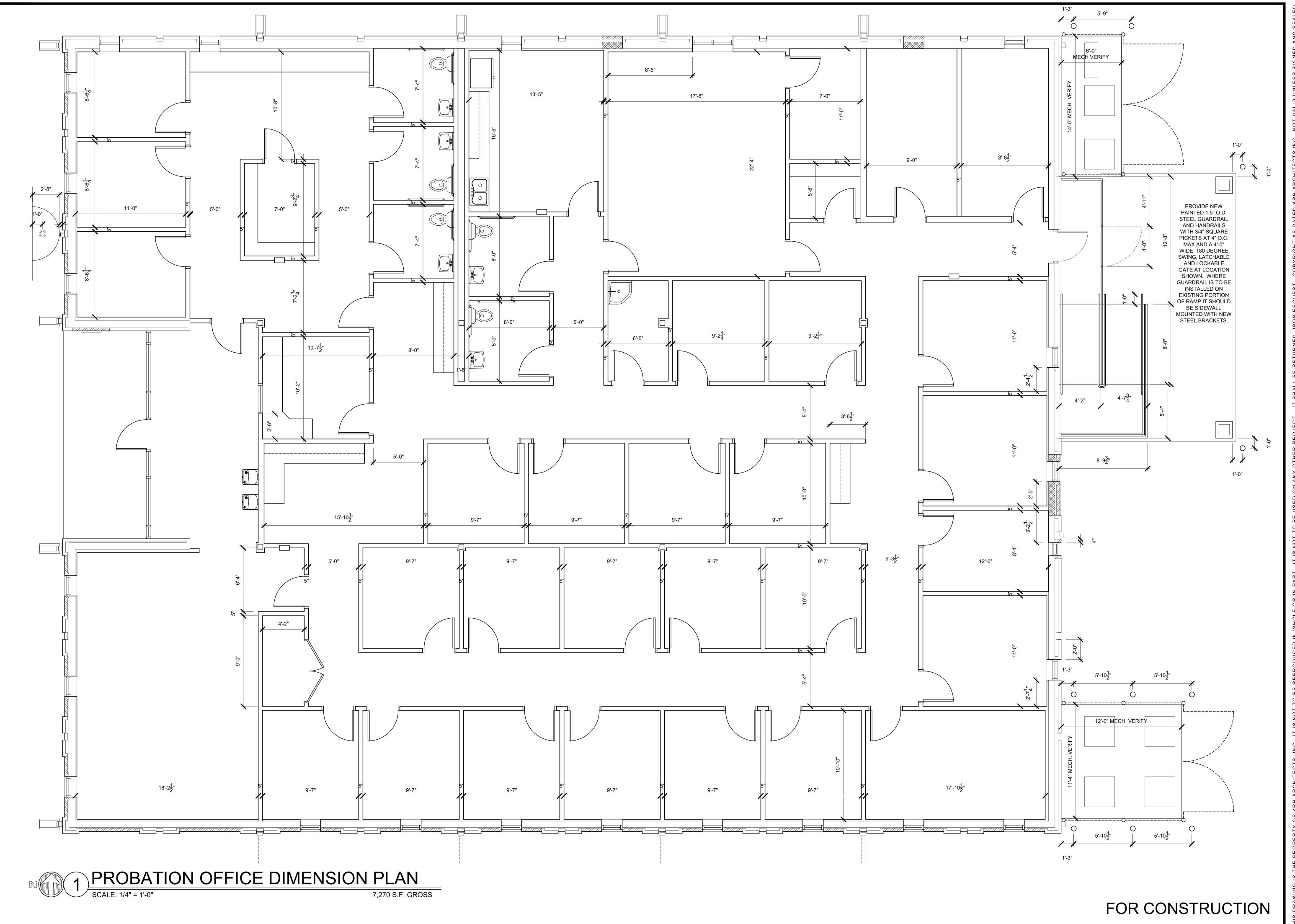
SHEET INDEX RENOVATION

PLAN

SHEET INDEX

FOR CONSTRUCTION





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SHEET INDEX DIMENSION PLAN

KEYED REFLECTED CEILING PLAN NOTES:

- 1.) PROVIDE NEW BILCO TYPE NB-50TB SINGLE LEAF ROOF ACCESS HATCH, SIZED 30" X 54" WITH BILCO BIL-GUARD 2.0 HATCH SAFETY RAILING SYSTEM. FIELD VERIFY LOCATION OF EXISTING ROOFING MEMBERS AND INSTALL NEW HATCH IN APPROXIMATELY THE SAME LOCATION AS THE DEMOLISHED ROOF CURB. PROVIDE ALL REQUIRED STEEL ANGLES, CLIPS, FASTENERS, INSULATION PRODUCTS, ACCESSORIES, ETC. REQUIRED TO FULLY INSTALL AND INSULATE THIS PRODUCT.
- 2.) PROVIDE NEW ACCESS PANEL OF WHITE PLASTIC LAMINATE FUSED TO MINIMUM 1/4" THICK PLYWOOD, SIZED 23-7/8" X 47-7/8". INSTALL CEILING GRID SYSTEM IN SUCH A MANNER THAT THIS CEILING ACCESS PANEL SHALL BE CENTERED BELOW THE NEW ROOF ACCESS HATCH ABOVE.
- 3. NEW GYPSUM ON METAL STUD HEADER, BOTTOM AT 8'-0" A.F.F. MATCH WIDTH OF
- (4.) NEW GYPSUM ON METAL STUD HEADER, BOTTOM AT 8'-0" A.F.F. NOMINAL 5" WIDE.

GENERAL REFLECTED CEILING PLAN NOTES:

*ELECTRICAL AND MECHANICAL DEVICES SHOWN ON THESE PLANS ARE DIAGRAMMATIC ONLY. SEE ENGINEERING DRAWINGS FOR FURTHER INFORMATION.

*SPACES SHOWN WITHOUT ACT OR GYP CEILING SYSTEMS SHALL BE OPEN TO STRUCTURE ABOVE. SPACES WITH EXPOSED OPEN STRUCTURE SHALL BE THOROUGHLY CLEANED AND

*ANY VOIDS IN EXISTING CMU WALL TO BE RATED MUST BE IMPROVED/REPAIRED TO MEET ALL RATING REQUIREMENTS.

*EXISTING PREFINISHED METAL SOFFIT, CANOPY, ROOFING, TRIM, ETC. TO BE REPAINTED SHALL BE THOROUGHLY CLEANED AND INSPECTED FOR ANY AREAS IN NEED OF REPAIR. REPORT ANY AREAS DISCOVERED IN NEED OF ATTENTION TO THE OWNER AND ARCHITECT IMMEDIATELY.

PLAN LEGEND

- NEW GYPSUM CEILING

DETAILS FOR FURTHER INFORMATION.

- EXISTING WALL - CONSTRUCTION OF WALL VARIES. FIELD

- EXISTING WALL TO RECEIVE NEW GYP ON 1.5" METAL

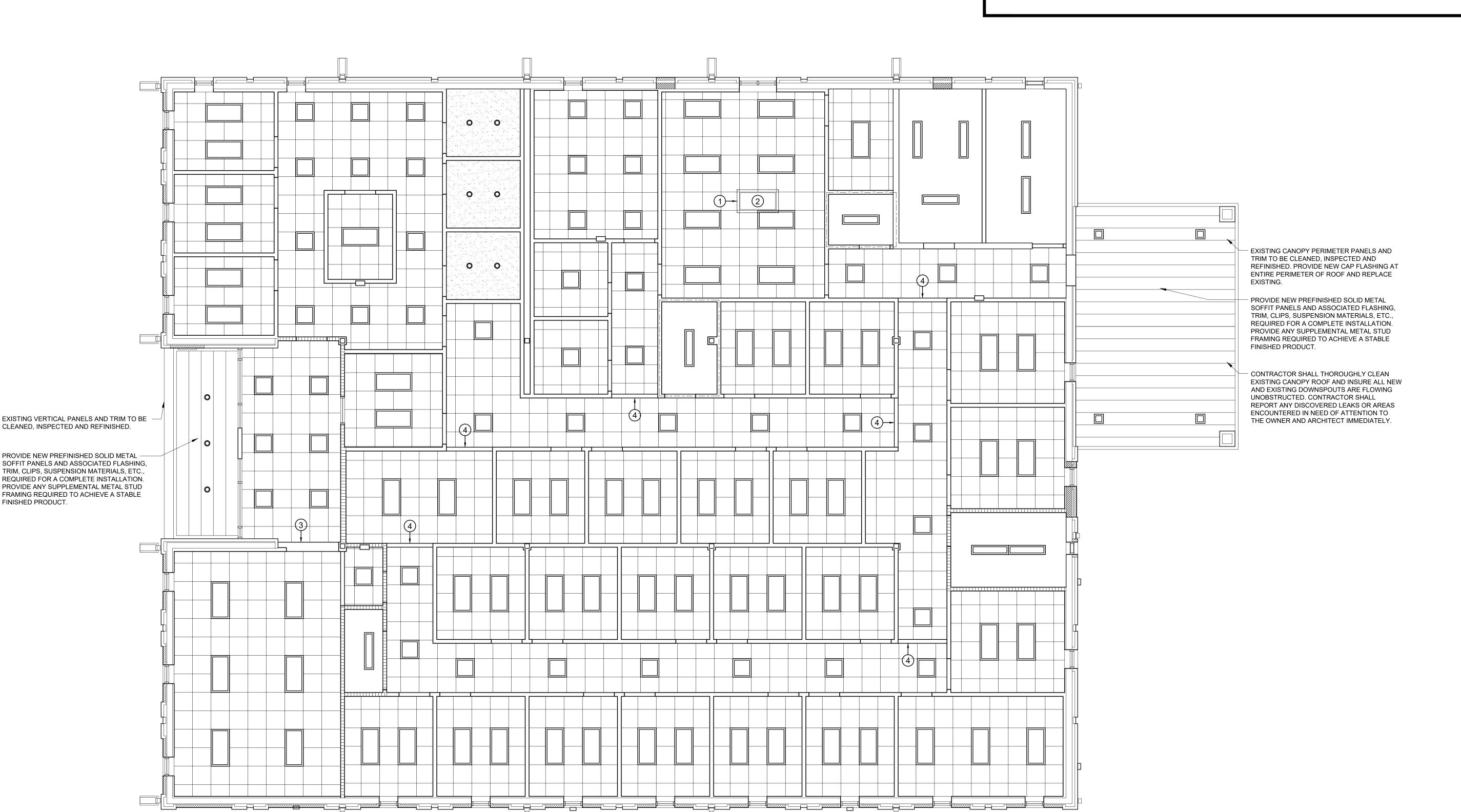
FURRING STRIPS AND MASONRY VENEER. SEE PLANS AND

- NEW CMU WALL WITH GYP ON 1.5" METAL FURRING STRIPS AND MASONRY VENEER. SEE PLANS AND DETAILS FOR - NEW ACOUSTICAL TILE CEILING FURTHER INFORMATION.

- NEW 5/8" GYP BD. AND 3-5/8" METAL STUD PARTITION TO EXTEND 1'-0" ABOVE CEILING UNLESS NOTED OTHERWISE. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.

- ONE HOUR RATED PARTITION SEALED TIGHT TO DECK PER U.L. DESIGNS #U419 OR #U905. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.

- NEW 5/8" GYP BD. AND 3-5/8" METAL STUD PARTITION WITH FULL THICK SOUND BATT INSULATION EXTENDED TO DECK. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.



PROBATION OFFICE REFLECTED CEILING PLAN

FINISHED PRODUCT.

SCALE: 3/16" = 1'-0"

7,270 S.F. GROSS

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INTERIOR PROBA PROBA 400 EAST N



SHEET INDEX

REFLECTED CEILING **PLANS**

GENERAL ELEVATION NOTES:

- *LANDSCAPING NOT SHOWN FOR ELEVATIONAL CLARITY.
- *ALL EXISTING MARBLE VENEER TO REMAIN SHALL BE UNPAINTED.
- *SINCE EXISTING AND NEW BRICK VENEER SHALL BE FULLY PAINTED, NEW BRICK MATERIALS USED MUST MATCH EXISTING BRICK IN SIZE AND FINISH BUT NOT RAW COLOR. *WHERE EXISTING MATERIALS ARE PATCHED WITH NEW, PROVIDE A SEAMLESS TRANSITION WHENEVER POSSIBLE.
- *ALL NEW OR PATCHED CONCRETE FLATWORK MUST SLOPE AWAY FROM THE BUILDING.

CHEROKEE PROBATION SERVICES 400 EAST MAIN ST

EAST ELEVATION

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

KEYED ELEVATION NOTES:

- 1. EXISTING ROOFING, PANELS, CANOPY, TRIM, FLASHING, ETC. TO BE REPAINTED. OWNER AND ARCHITECT SHALL SELECT ONE MAIN COLOR AND UP TO TWO ACCENT COLORS FROM MANUFACTURER'S FULL RANGE.
- (2.) NEW PREFINISHED GUTTER AND DOWNSPOUTS.
- (3.) NEW PREFINISHED FLAGPOLE AND ACCESSORIES.
- (4.) EXISTING MARBLE VENEER TO REMAIN. CLEAN AND REAPPLY SEALANT AT ALL JOINTS.
- (5.) EXISTING BRICK VENEER TO BE PAINTED. OWNER AND ARCHITECT SHALL SELECT ONE MAIN COLOR AND UP TO THREE ACCENT COLORS FROM MANUFACTURER'S FULL
- 6. NEW BRICK VENEER TO BE PAINTED. OWNER AND ARCHITECT SHALL SELECT ONE MAIN COLOR AND UP TO THREE ACCENT COLORS FROM MANUFACTURER'S FULL
- 7.) NEW PREFINISHED ALUMINUM STOREFRONT ENTRANCE SYSTEM.

KEYED ELEVATION NOTES (CONTINUED):

- 8.) NEW CAST ALUMINUM BUILDING SIGNAGE MOUNTED ON STAND-OFFS. MAIN LETTERING 10" TALL MINIMUM, ADDRESS LETTERING 8" TALL MINIMUM. OWNER SHALL APPROVE FINAL SIGNAGE WORDING AND FONT TYPE.
- (9.) NEW RAILINGS AND GATE TO BE PAINTED.
- (10.) NEW PREFINISHED ALUMINUM STOREFRONT WINDOW WITH NEW BRICK ROWLOCK SILL AND BRICK SOLDIER HEAD.
- 11.) NEW PREFINISHED ALUMINUM STOREFRONT WINDOW ON EXISTING BRICK ROWLOCK SILL WITH NEW BRICK SOLDIER HEAD.
- (13.) MECHANICAL LOUVER, SEE ENGINEERING DRAWINGS.

(12.) EXISTING STEEL ANGLE TO BE REPAINTED.

(14.) NEW 6'-0" TALL BLACK VINYL COATED CHAIN LINK FENCING AT MECHANICAL YARDS. SHOWN IN OUTLINE ONLY FOR ELEVATIONAL CLARITY. SEE FENCING DETAILS.

KEYED ELEVATION NOTES (CONTINUED):

- (15) EXISTING HOLLOW METAL DOOR AND FRAME TO BE REPAINTED.
- (16) AREA REQUIRING BRICK STABILIZATION WITH SIMPSON HELI-TIES. SEE NOTES ON SHEET A1.1 AND THE ASSOCIATED DETAIL BELOW.

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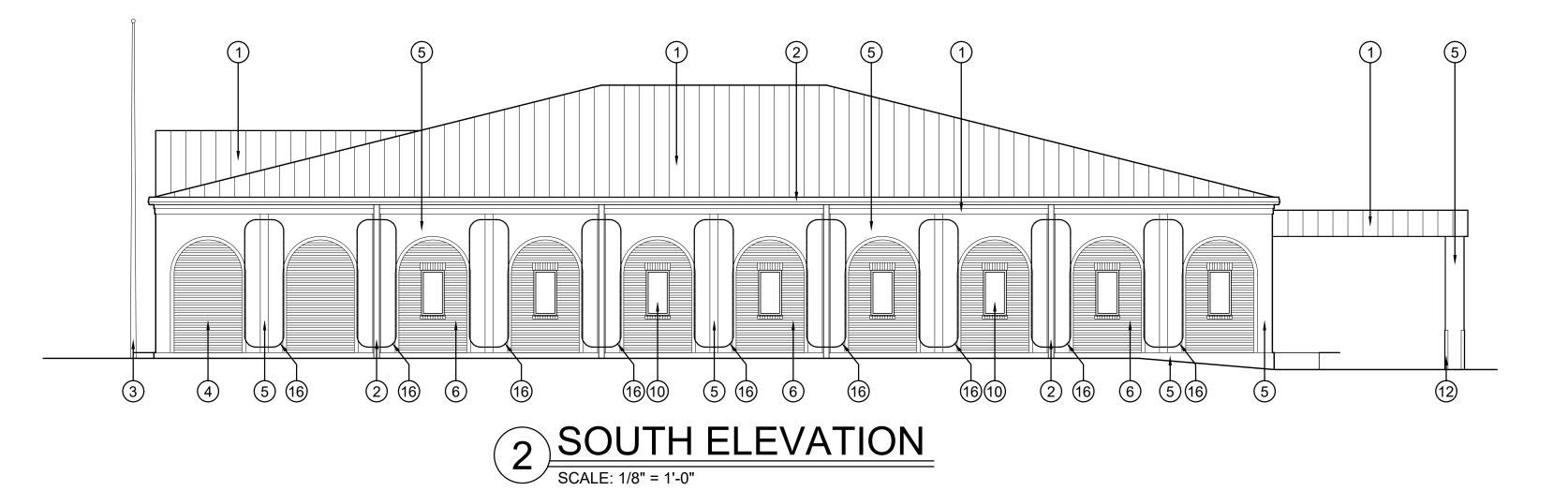
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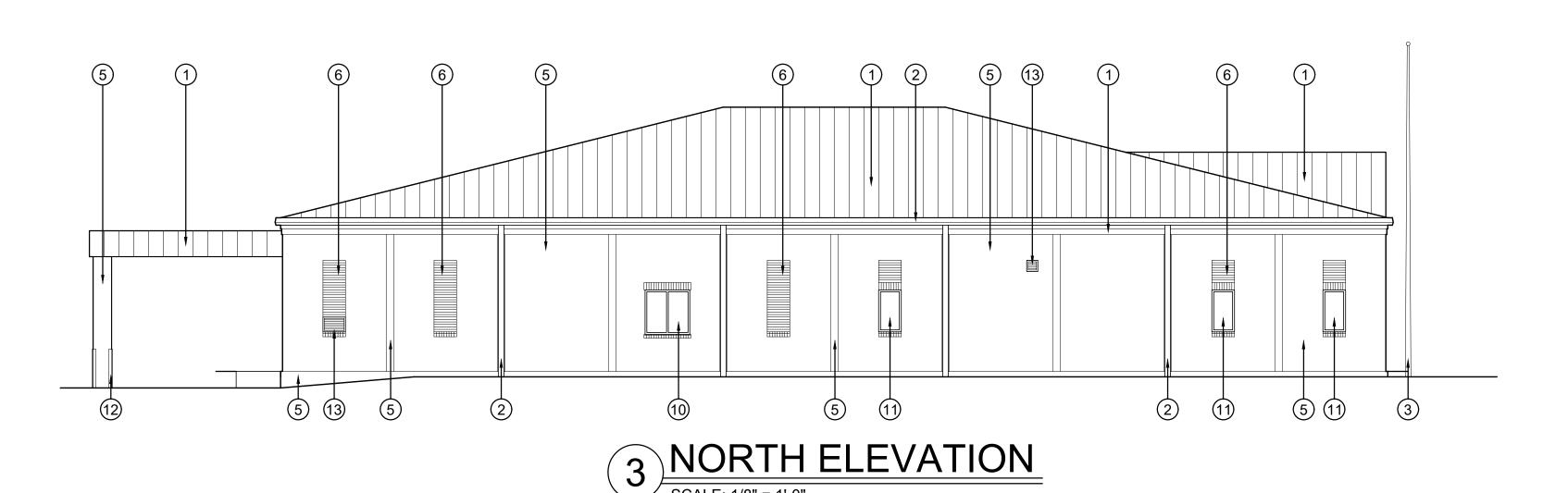
RENOVATIONS FOR CHER ATION OFFICE CHEROKEE COUNTY BOARD OF COI INTERIOR RENOVATIONS
PROBATION OF
400 EAST MAIN STREET,

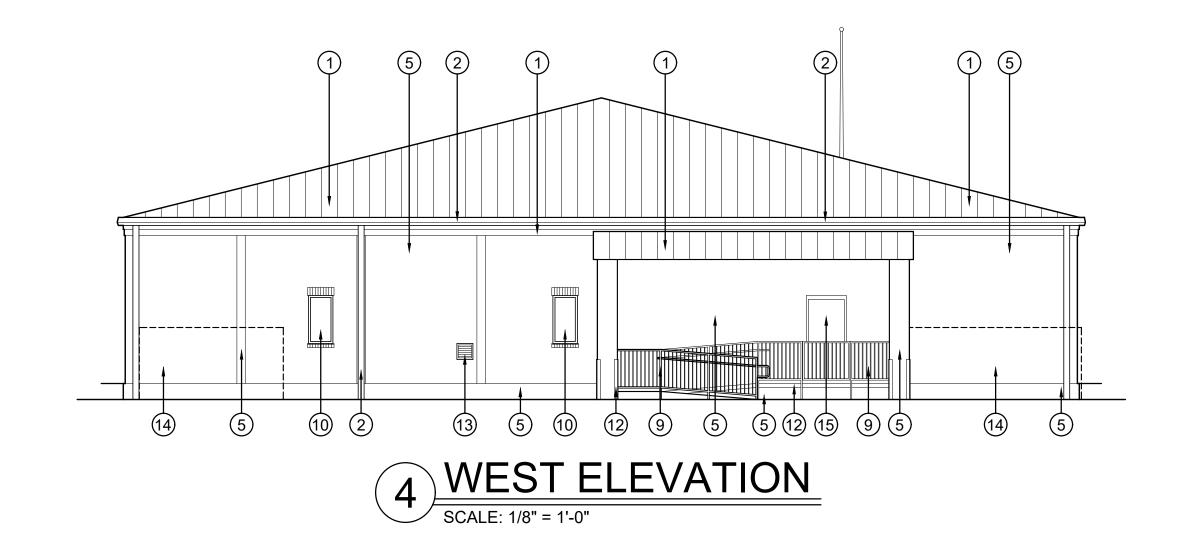
SHEET INDEX **ELEVATIONS**

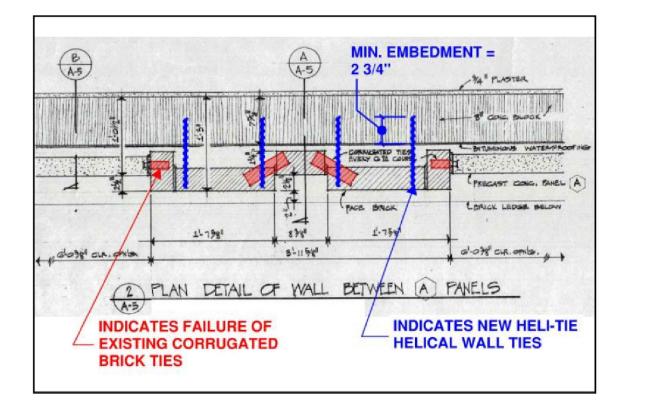
SHEET INDEX

FOR CONSTRUCTION

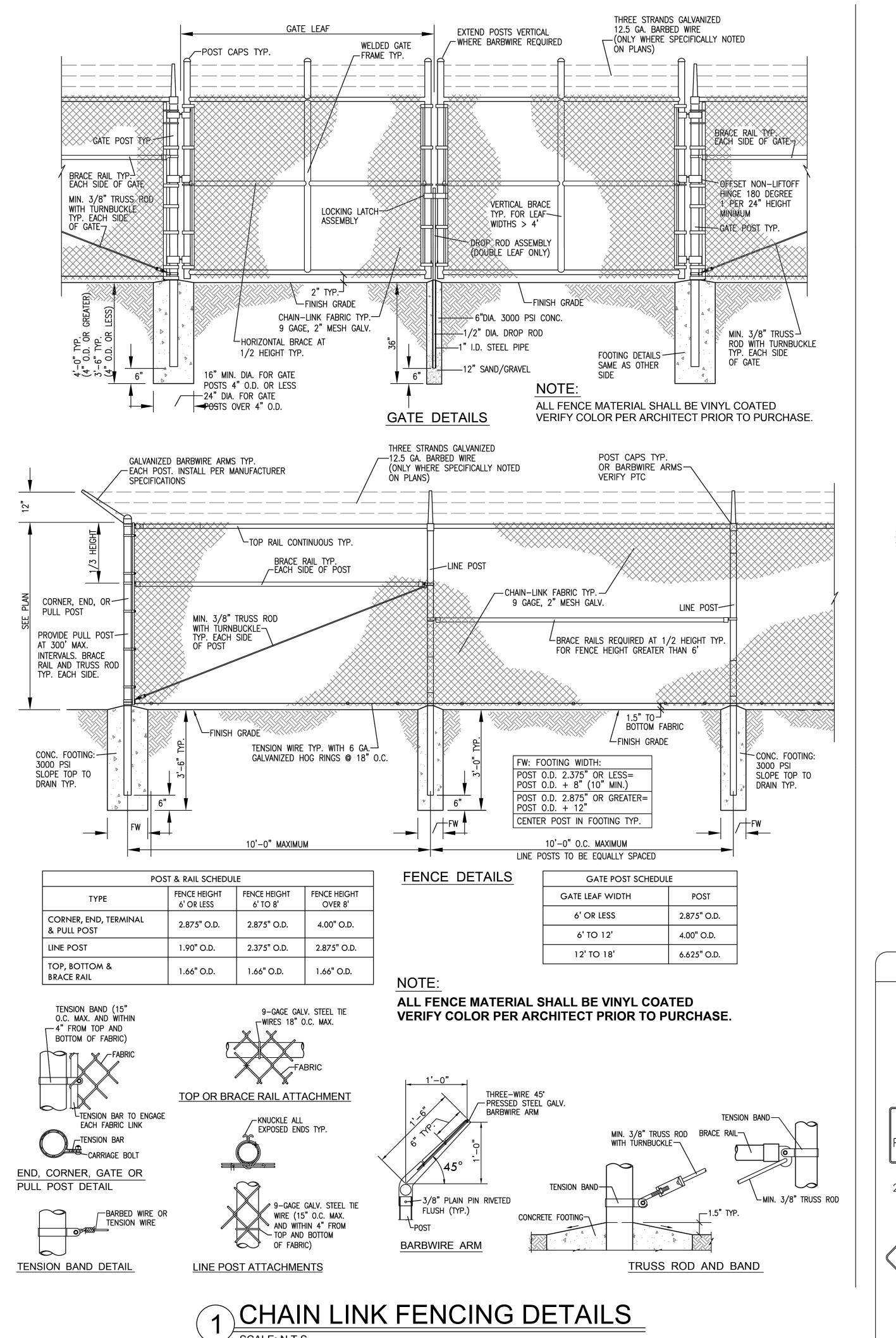


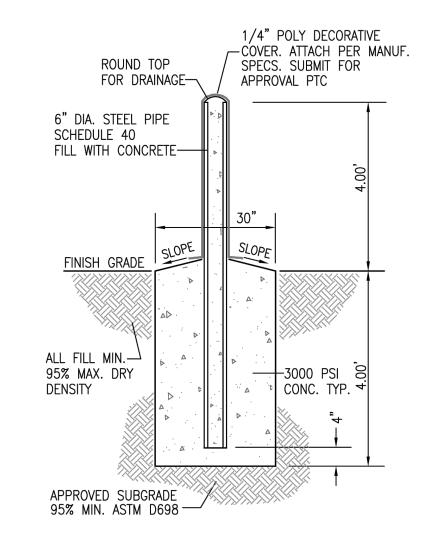




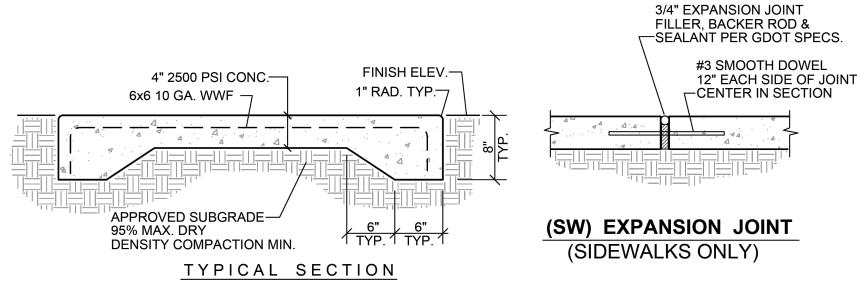


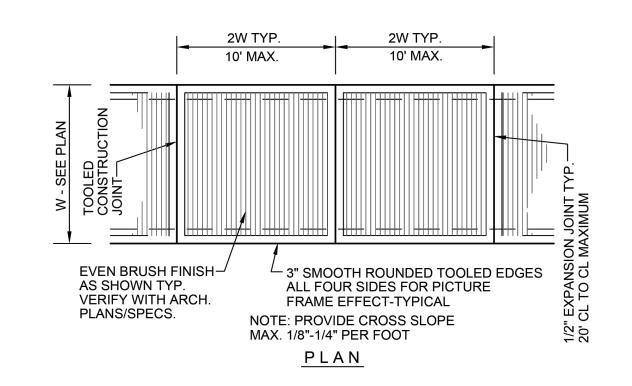






PIPE BOLLARD DETAIL SCALE: N.T.S.

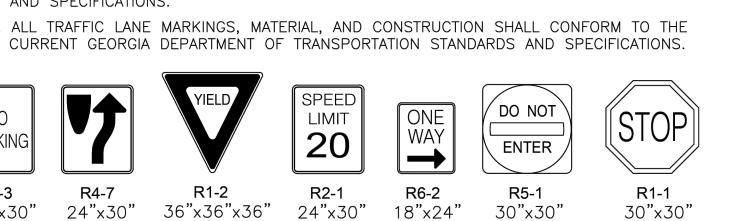




SIDEWALK DETAILS

(TM) SIGN AND PAVEMENT TRAFFIC MARKING LEGEND

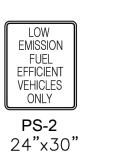
- 1. ALL MATERIALS, COLORS, AND CONSTRUCTION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS, SECTION 636, AND RELATED SECTIONS
- 2. ALL PAVEMENT MARKINGS, MARKERS, ARROWS, PAINT, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
- 3. ALL TRAFFIC LANE MARKINGS, MATERIAL, AND CONSTRUCTION SHALL CONFORM TO THE

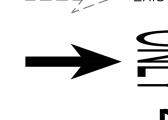


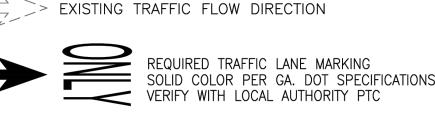


30"x30"

30"x30"







PARKING SPACE STRIPING AND ADA SYMBOL 4" SOLID WHITE PER GDOT SPECIFICATIONS. VERIFY WITH LOCAL AUTHORITY PTC

STATE

LAW

YIELD

X

WITHIN

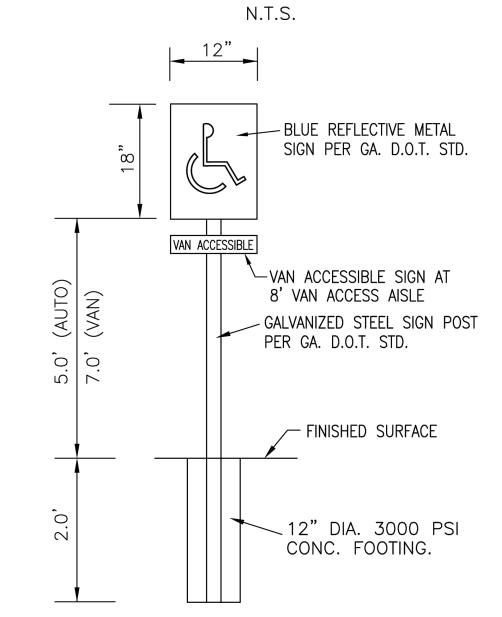
12"x36"

VAN ACCESSIBLE

PROVIDE A BLUE METAL REFLECTIVE SIGN WHICH IS AT LEAST 12 INCHES WIDTH AND 18 INCHES LENGTH AND IS ERECTED AT 60 INCHES FROM GROUND TO BOTTOM OF THE SIGN FOR AUTOS, AND 84 INCHES FROM GROUND TO BOTTOM OF SIGN FOR VANS IN SUCH A MANNER THAT IT WILL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE AND BEARING THE INTERNATIONAL SYMBOL FOR ACCESSIBILITY. THE WARNING REQUIRED IN THIS PARAGRAPH SHALL BE CENTERED ON THE SIGN, PRINTED IN WHITE, AND SHALL OCCUPY NOT LESS THAN 75 PERCENT OF THE SIGN.

VAN ACCESSIBLE SIGN AT 8' VAN ACCESS AISLE

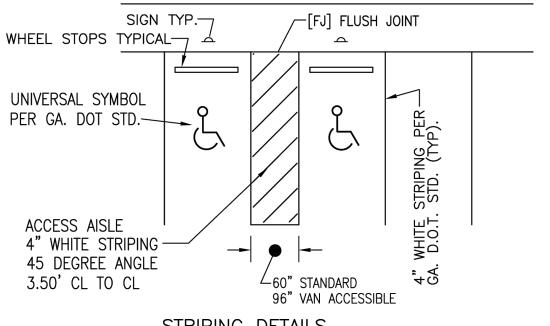
HANDICAP SIGN DETAILS



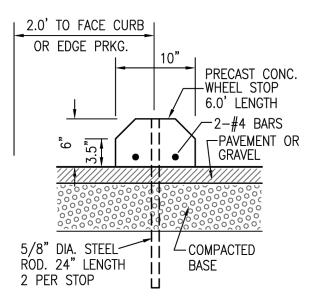
GENERAL NOTES:

- 1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE GEORGIA D.O.T. STANDARDS AND SPECIFICATIONS LATEST EDITION OR APPROVED EQUAL. APPROVED EQUAL SHALL BE AS DEFINED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- 2. THE COLOR FOR THE HANDICAP SIGN(S) SHALL BE A REFLECTIVE BLUE COLOR WITH WHITE LETTERING OR SYMBOL.
- CONSTRUCT ALL SIGNS A MINIMUM OF TWO FEET (2.0') BEHIND THE BACK OF CURBS OR EDGE OF PARKING SPACES. DO NOT OBSTRUCT ACCESSIBLE ROUTE OR SIDEWALK WITH SIGNS.

SIGN DETAILS



STRIPING DETAILS N.T.S.



(WS) WHEEL STOPS

PARKING DETAILS

FOR CONSTRUCTION

PROJECT NUMBER 23-001

> 05/15/23 **REVISIONS** DATE

DATE

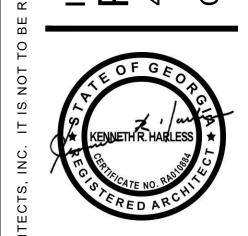
SECOND RFP 10/13/23

FACILITY CODE 000-0000

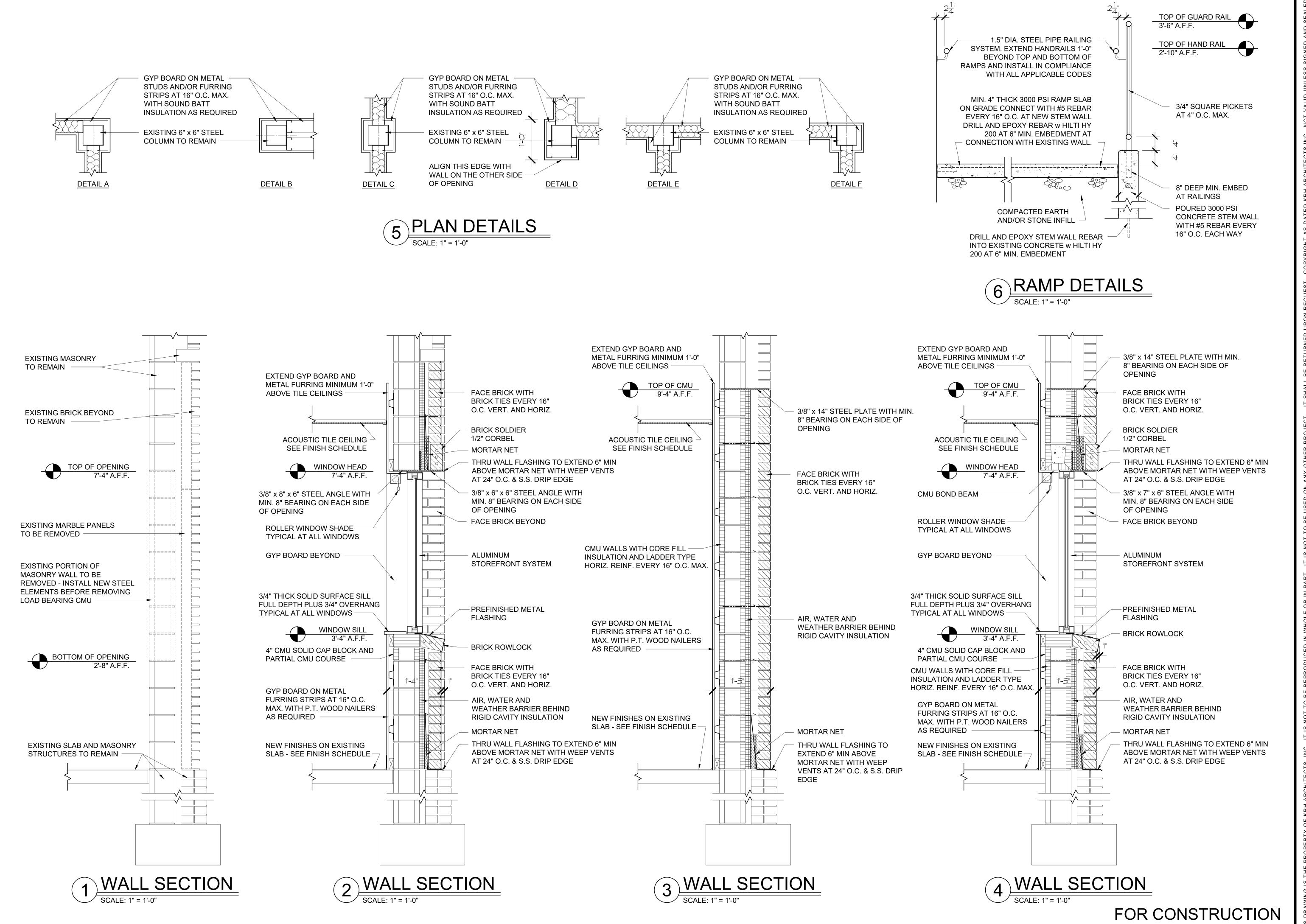


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9 $\overline{\mathsf{O}}$ INTERIOR PROBA



SHEET INDEX **SECTIONS AND DETAILS**



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NO. DATE 0000 00/00/00

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INTERIOR RENOVATIONS FOR CHEROKEE COUNT
PROBATION OFFICE

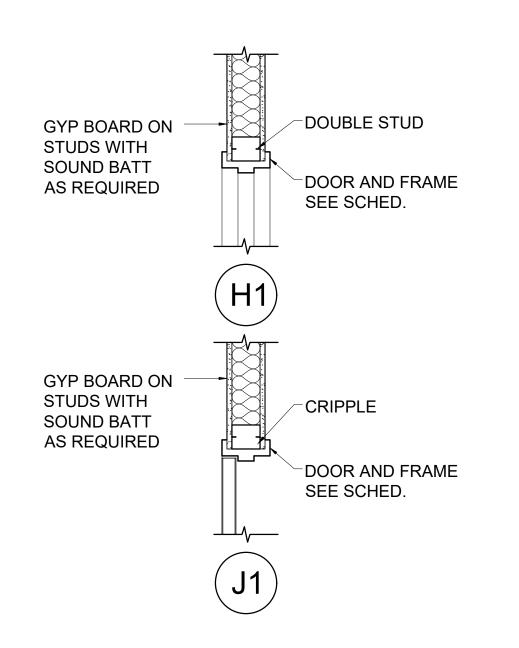
400 EAST MAIN STREET, CANTON GA 30114



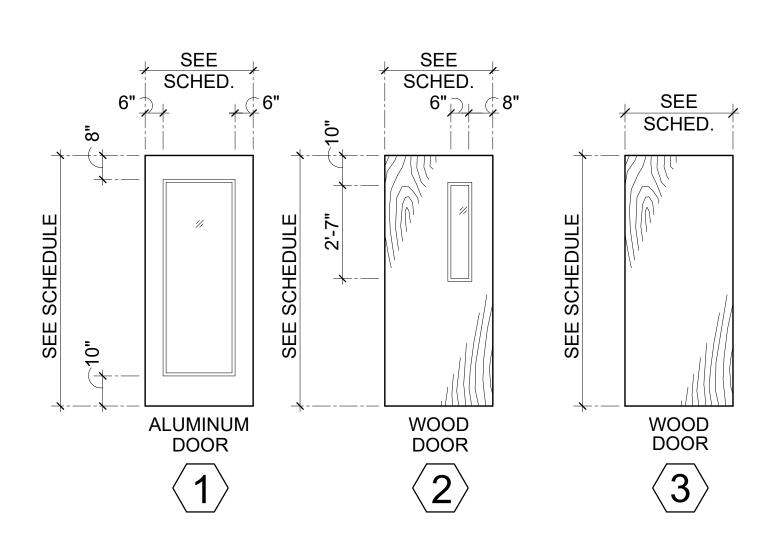
SHEET INDEX
SECTIONS AND
DETAILS

SHEET INDEX

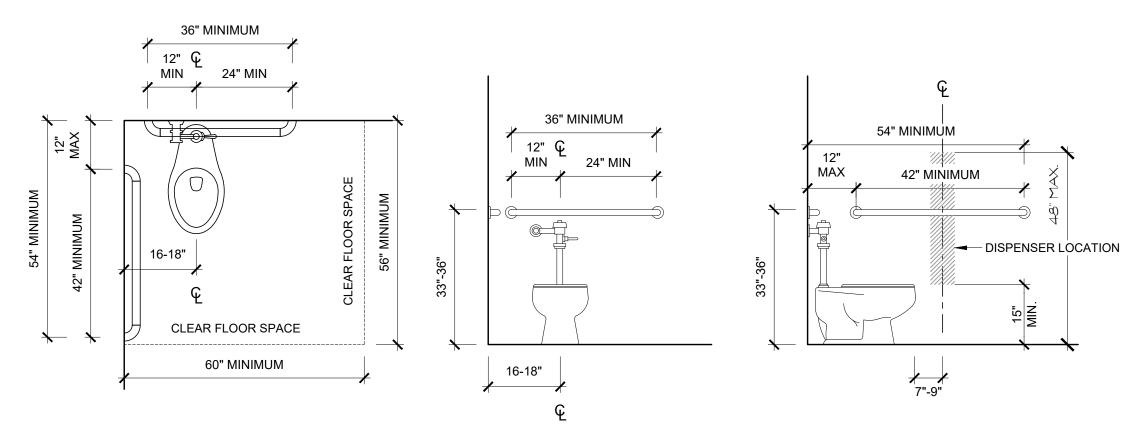
A3.2



1 HEAD & JAMB DETAILS SCALE: 1" = 1'-0"



		S	CHEDULE of TOILET ACCESSORIES	
	ITEM	MFR.	HEIGHT	LOCATION
Α	42" GRAB BARS AT SIDE WALL OF WATER CLOSETS	BOBRICK B-5806-42	33" to CENTERLINE ABOVE FINISH FLOOR	PROVIDE ONE AT EVERY H.C. TOILET
В	36" GRAB BARS AT REAR WALL OF WATER CLOSETS	BOBRICK B-5806-36	33" to CENTERLINE ABOVE FINISH FLOOR	PROVIDE ONE AT EVERY H.C. TOILET
С	TISSUE PAPER DISPENSER	GA. PACIFIC 56748	24" to CENTERLINE ABOVE FINISH FLOOR (VERIFY WITH MANUFACTURER'S REQUIREMENTS)	PROVIDE ONE AT EVERY TOILET
D	SEAT COVER DISPENSER	BOBRICK B-221	INSTALL PER MANUFACTURER'S DETAILS	PROVIDE ONE AT EVERY TOILET
E	BABY CHANGING STATION	KOALA KARE KB200	INSTALL PER MANUFACTURER'S DETAILS	PROVIDE ONE AT ROOM 136 & 137
F	MIRROR	BOBRICK B-290-2436	40" to BOTTOM of MIRROR ABOVE FLOOR	PROVIDE ONE ABOVE EVERY LAVATORY
G	SOAP DISPENSER	GA. PACIFIC 52054	40" to BOTTOM of DISPENSER ABOVE FINISH FLOOR (VERIFY WITH MANUFACTURER'S REQUIREMENTS)	PROVIDE ONE AT EVERY SINK
Н	ROBE HOOK	BOBRICK B-6707	48" to TOP MAX. ABOVE FINISH FLOOR	PROVIDE ONE AT EVERY TOILET
ı	UTILITY SHELF w/ MOP HOLDERS	BOBRICK B-239 x 34	INSTALL PER MANUFACTURER'S DETAILS	PROVIDE ONE AT EVERY MOP BASIN
J	PAPER TOWEL DISPENSER	GA. PACIFIC 59466A	60" to TOP of DISPENSER ABOVE FINISH FLOOR (VERIFY WITH MANUFACTURER'S REQUIREMENTS)	PROVIDE ONE AT EVERY SINK PROVIDE GA. PACIFIC 59459 RECESS KIT AS REQ'D.



4 A.D.A. INSTALLATION GUIDELINES

		DOORS			FRA	MES				MISC.	
MARK		SI	ZE			DETAILS		FIRE	HDWE.		MARI
	TYPE	WIDTH	HGT.	TYPE	HEAD	JAMB	SILL		SET NO.	REMARKS	
100	1	3'-0"	7'-0"	D	PER M	ANUF. [ETAILS	_	AL-01		100
101	2	3'-0"	7'-0"	F	H1	J1	_	_	C-02	CARD ACCESS	101
102	2	3'-0"	7'-0"	F	H1	J1	_	_	C-02	CARD ACCESS	102
103	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		103
104	2	3'-0"		F	H1	J1		_	M-01		104
105	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		105
106	3	3'-0"	7'-0"	F	H1	J1		_	M-02		106
107	3	3'-0"	7'-0"	F	H1	J1		_	P-01		107
108	3	3'-0"	7'-0"	F	H1	J1	_	_	P-01		108
109	3	3'-0"	7'-0"	F	H1	J1		_	P-01		109
110	2	3'-0"	7'-0"	F	H1	J1		_	C-02	CARD ACCESS	110
111	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		111
112	3	3'-0"	7'-0"	F	H1	J1	_	_	S-01		112
113	2	3'-0"	7'-0"	F	H1	J1	T -	_	M-01		113
114	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		114
115	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		115
116	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		116
117	2	3'-0"	7'-0"	F	H1	J1	-	_	M-01		117
118	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		118
119	2	3'-0"	7'-0"	F	H1	J1	 	–	M-01		119
120	2	3'-0"	7'-0"	F	H1	J1	T -	_	M-01		120
121	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		121
122	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		122
123	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		123
124	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		124
125	2	3'-0"	7'-0"	F	H1	J1	—	_	M-01		125
126	3	3'-0"	7'-0"	F	H1	J1	_	_	S-02		126
127	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		127
128	2	3'-0"	7'-0"	F	H1	J1	_	_	M-01		128
129	_	_	_	_	_	_	_	_	Z-01	EX. DOOR & FRAME, CARD ACC.	129
130	3	3'-0"	7'-0"	G	H1	J1	_	_	S-02		130
131	3	3'-0"	7'-0"	G	H1	J1	_	_	C-01	CARD ACCESS	131
132	3	3'-0"	7'-0"	F	H1	J1	_	45 MIN.	S-02		132
133	2	3'-0"	7'-0"	F	H1	J1	_	_	M-03		133
134	2	3'-0"	7'-0"	F	H1	J1	 	_	M-01		134
135	2		7'-0"	F	H1	J1	_	_	M-01		135
136	2		7'-0"	F	H1	J1	_	_	M-01		136
137	3		7'-0"	F	H1	J1	_	_	M-01		137
138	3		7'-0"	F	H1	J1	_	45 MIN.	S-02		138
139	2		7'-0"	F	H1	J1	_	_	M-01		139
140	2		7'-0"	F	H1	J1	_	_	M-01		140
141	3		7'-0"	F	H1	J1	_	–	P-01		141
142	3	PAIR 3'-0"	7'-0"	F	H1	J1	_	 	P-01		142
143	2		7'-0"	F	H1	J1	_	_	P-02		143
144	2		7'-0"	F	H1	J1	_	<u> </u>	M-03		144
145	3		7'-0"	F	H1	J1	_	_	M-04		145
		SI			HEAD	JAMB	SILL	FIRE	HDWE.		
MARK	TYPE			TYPE		DETAILS				REMARKS	MARI
	MARK WIDTH HGT. DOORS				L FRA			RATING SET NO. MISC.			

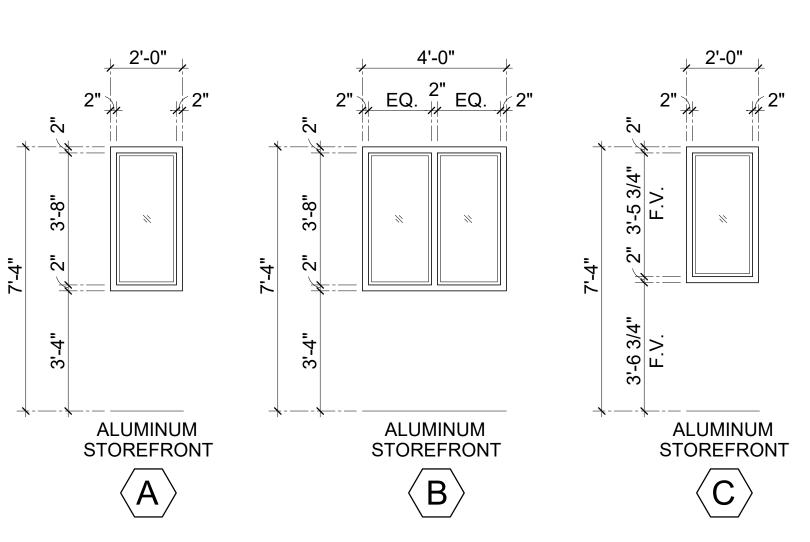
GENERAL DOOR SCHEDULE NOTES:

NOTE 1: ALL EXISTING DOORS TO REMAIN SHALL BE INSPECTED FOR PROPER FUNCTION AND FINISH. CLEAN ALL DOORS TO REMAIN AND REPAIR DOOR ELEMENTS AS NECESSARY. CLEAN, REPAIR AND REPAINT/REFINISH ALL WOOD AND HOLLOW METAL DOORS TO LIKE NEW CONDITION.

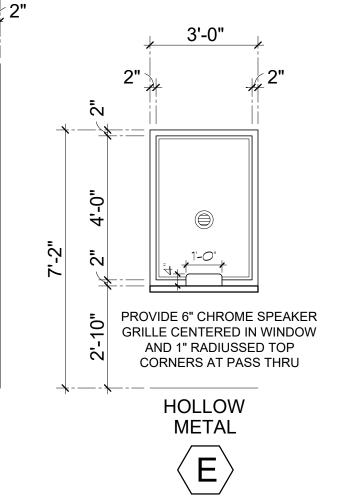
NOTE 2: PROVIDE NEW DOOR HARDWARE AT ALL EXISTING DOORS TO REMAIN.

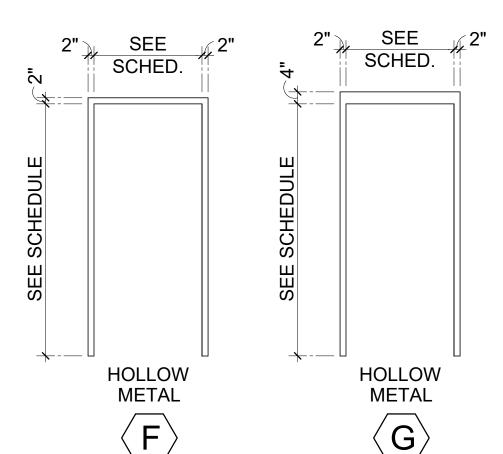
NOTE 3: PROVIDE CONSTRUCTION CORES AT ALL DOORS. OWNER WILL PROVIDE FINAL CORES AFTER PROJECT COMPLETION.

2 DOOR ELEVATIONS SCALE: 3/8" = 1'-0"



		1		20'-8"				
<u>-</u> \-	2" ~	**	2" EQ.	2" SEE 2" SCHED.	EQ.		2" EQ. 2	2"
Ì	1-8-1-		N			\(\)		
0-,6	4'-8" 2"	**	"		**	**		
	1'-10"							
ŗ	4		\$	ALUMINUM STOREFRON	Γ			





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

FOR CONSTRUCTION

PROJECT NUMBER 23-001 DATE

05/15/23

REVISIONS

DATE 0000 00/00/00

FACILITY CODE 000-0000

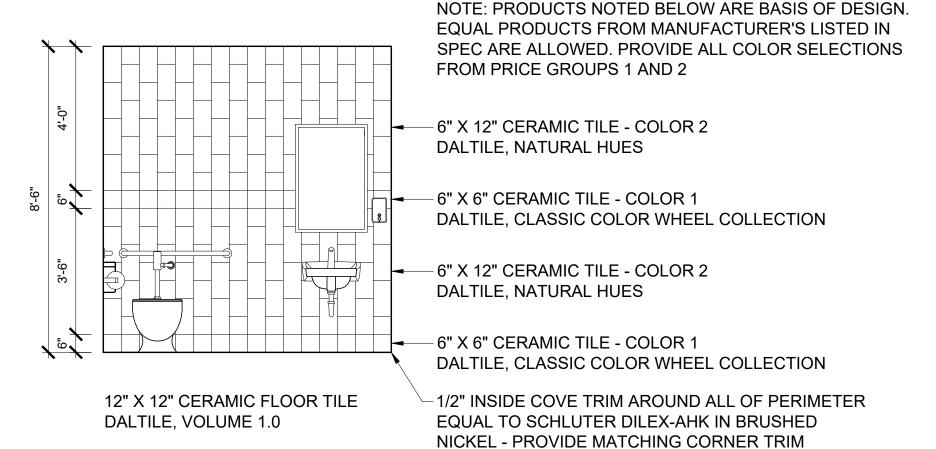


855 ABUTMENT ROAD SUITE FOUR DALTON, GA 30721 TEL. 706.529.5895

R CHER

INTERIOR PROBA

SHEET INDEX SCHEDULES, **ELEVATIONS AND DETAILS**

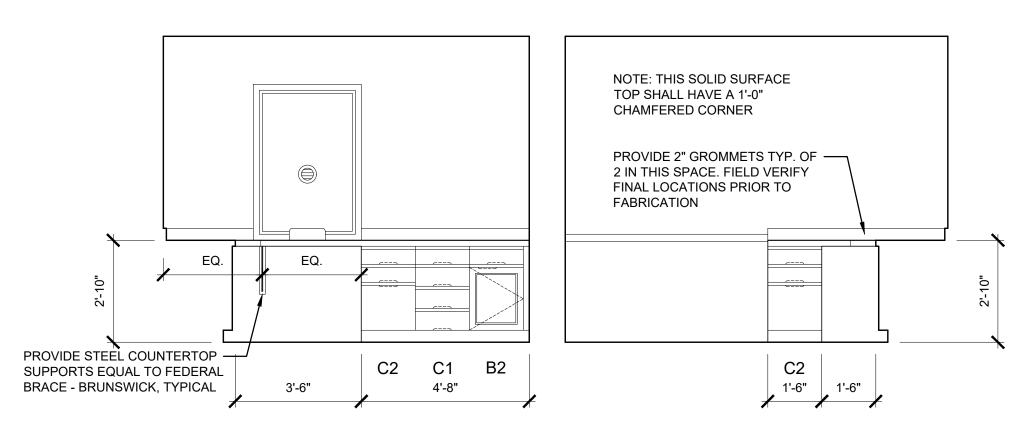


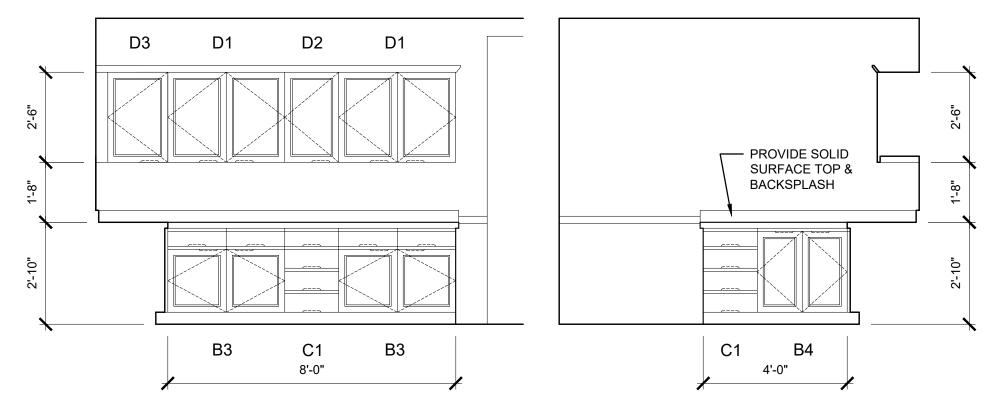
6 IN THIS SPACE. FIELD VERIFY PROVIDE SOLID FINAL LOCATIONS PRIOR TO SURFACE TOP & BACKSPLASH **FABRICATION** 3'-0" 1'-6" 2'-11" 48'-0"

TYPICAL RESTROOM WALL TILE PATTERN

TYPICAL OF ALL WALLS IN EACH TOILET ROOM

INTERIOR ELEVATION SCALE: 3/8" = 1'-0" **TESTING LAB 103**





- PROVIDE 2" GROMMETS TYP. OF

2'-11"

CASEWORK SCHEDULE

PROVIDE ALL REQUIRED END PANELS AND FILLER

EQUAL TO WILSONART - CONTEMPORARY CROWN

STRIPS FOR A COMPLETE INSTALLATION

PROVIDE CROWN ABOVE ALL WALL CABINETS

4766 OR RANDALL BROTHERS - PROFILE RB-52

42W, 34H, 24D

34W, 34H, 24D

18W, 34H, 24D

39W, 34H, 24D

30W, 34H, 24D

32W, 34H, 24D

16W, 34H, 24D

36W, 34H, 24D

18W, 34H, 24D

18W, 34H, 24D

39W, 30H, 14D

18W, 30H, 14D

20W, 30H, 14D

32W, 30H, 14D

16W, 30H, 14D

34W, 30H, 14D

36W, 30H, 14D

A1 ADA SINK BASE

DOOR BASE

DRAWER BASE

WALL CABINET

WALL CABINET

WALL CABINET

WALL CABINET

WALL CABINET

WALL CABINET

D7 WALL CABINET

DOOR & DRAWER BASE

DOOR & DRAWER BASE

DOOR & DRAWER BASE

DOOR & DRAWER BASE

DOOR & DRAWER BASE

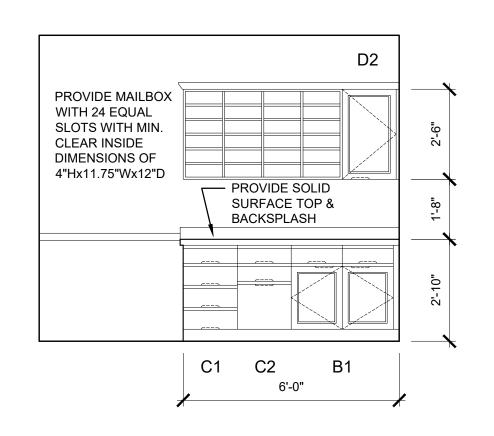
DOOR & DRAWER BASE

DRAWER & FILE BASE

INTERIOR ELEVATION SCALE: 3/8" = 1'-0" ADMINISTRATION 110

MAIL/COPY 132

INTERIOR ELEVATION COPY ROOM 111



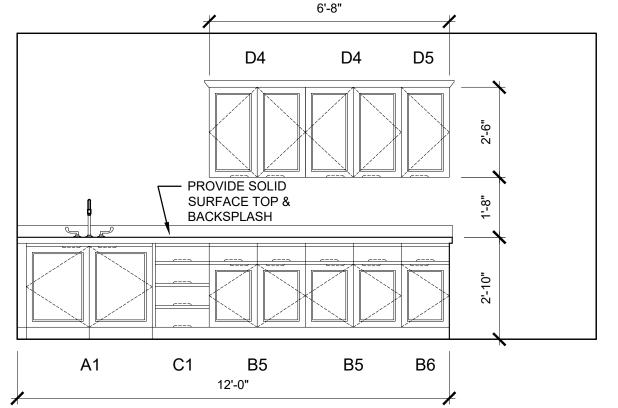
INTERIOR ELEVATION

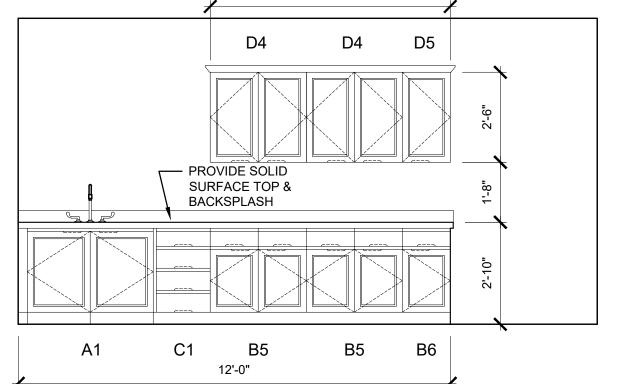
D7

B7

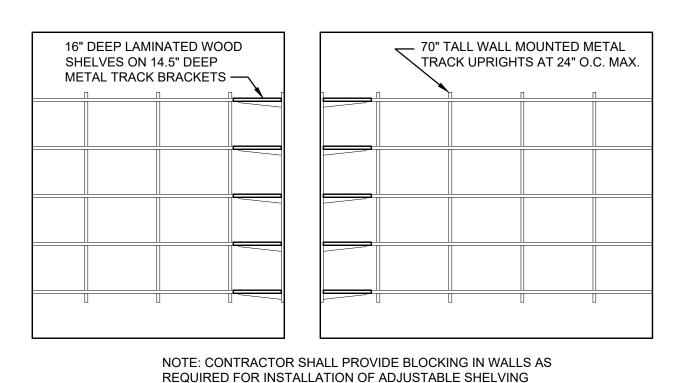
SCALE: 3/8" = 1'-0"

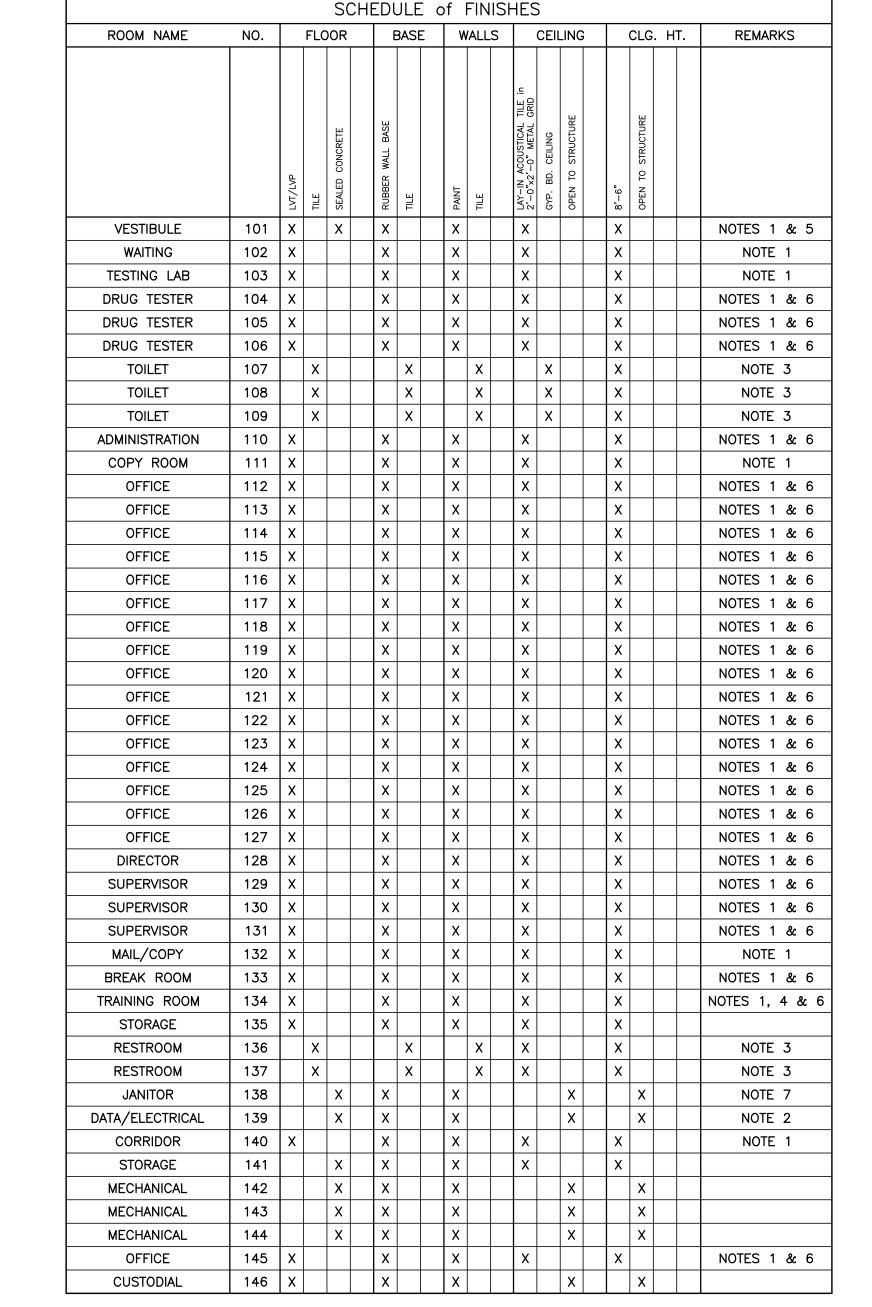
SCALE: 3/8" = 1'-0"











PROVIDE CHAIR RAIL AT 36" A.F.F. WITH TWO WALL PAINT COLORS, ONE ABOVE AND ONE BELOW RAIL. CHAIR RAIL PROFILE SHALL BE EQUAL TO RB-472 BY RANDALL BROTHERS. NOTE 2: PROVIDE 8'-0" TALL GRAY INTUMESCENT PAINTED PLYWOOD MOUNTED 1'-0" A.F.F. THE ENTIRE PERIMETER OF THREE WALLS OF THE DATA ROOM. THE WALL CONTAINING THE DOOR WILL NOT

REQUIRE THIS PLYWOOD. NOTE 3: PROVIDE MOISTURE RESISTANT A.C.T. AND GRID IN THIS SPACE.

NOTE 4: PROVIDE A FULL 4' X 8' SHEET OF PLYWOOD, PAINTED FLAT BLACK, TO BE MOUNTED TO THE WALL

STUDS IN A FINAL LOCATION OF THE OWNER'S CHOOSING IN THIS SPACE. NOTE 5: PROVIDE LVT/LVP ON THE INTERIOR OF THE VESTIBULE AND SEALED CONCRETE ON THE EXTERIOR

NOTE 6: PROVIDE FULL THICK SOUND BATT INSULATION IN EVERY INTERIOR WALL OF THIS SPACE. NOTE 7: PROVIDE 4'-0" TALL BY 4'-0" WIDE STAINLESS STEEL PANELS AND ASSOCIATED TRIM AT WALLS AT

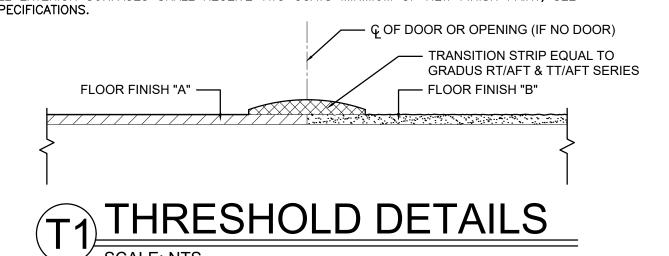
GENERAL FINISH NOTES:

G.F.N.#1: PROVIDE A TERMINATION EDGE AT DOORS/OPENINGS TO ALLOW FOR A SMOOTH TRANSFER TO ADJACENT FLOOR SURFACE. TYPICAL AT ALL CHANGES IN FLOOR FINISH. SEE DETAIL "T1" ON THIS

G.F.N.#2: ALL NEW CONSTRUCTION SHALL RECEIVE NEW PAINT. ANY EXISTING CONSTRUCTION DAMAGED OR DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE REPAIRED AND REPAINTED TO MATCH SURROUNDING CONSTRUCTION.

G.F.N.#3: PREP ALL FLOORING PRODUCTS PER MANUFACTURERS INSTRUCTIONS PRIOR TO APPLICATION TO INSURE PROPER INSTALLATION. G.F.N.#4: ALL LVT/LVP INSTALLED SHALL BE FROM THE OWNER'S APPROVED PRODUCTS, EITHER SHAW CONTRACT,

TERRAIN II, MINIMUM 20 MIL THICK OR SHAW HARD SURFACE, UNCOMMON GROUND, MINIMUM 20 MIL THICK. INSTALL PER MANUFACTURER'S REQUIREMENTS. NO OTHER PRODUCTS WILL BE ALLOWED. G.F.N.#4: ALL EXTERIOR SURFACES SHALL RECEIVE TWO COATS MINIMUM OF NEW FINISH PAINT, SEE



INTERIOR ELEVATION SCALE: 3/8" = 1'-0" CORRIDOR 140

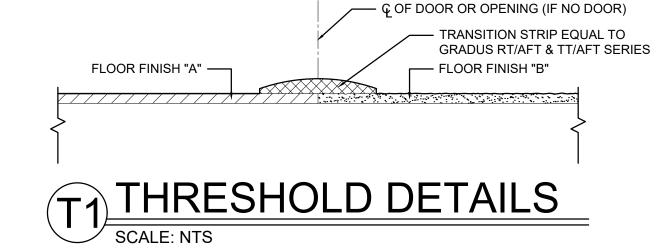
PROVIDE SOLID SURFACE TOP &

BACKSPLASH

B2

9'-0"

8 INTERIOR ELEVATION SCALE: 3/8" = 1'-0" STORAGE 141 & CUSTODIAL 146 SIM.



FOR CONSTRUCTION

DATE 05/15/23 **REVISIONS**

PROJECT NUMBER

23-001

DATE

SECOND RFP 10/13/23

FACILITY CODE

000-0000

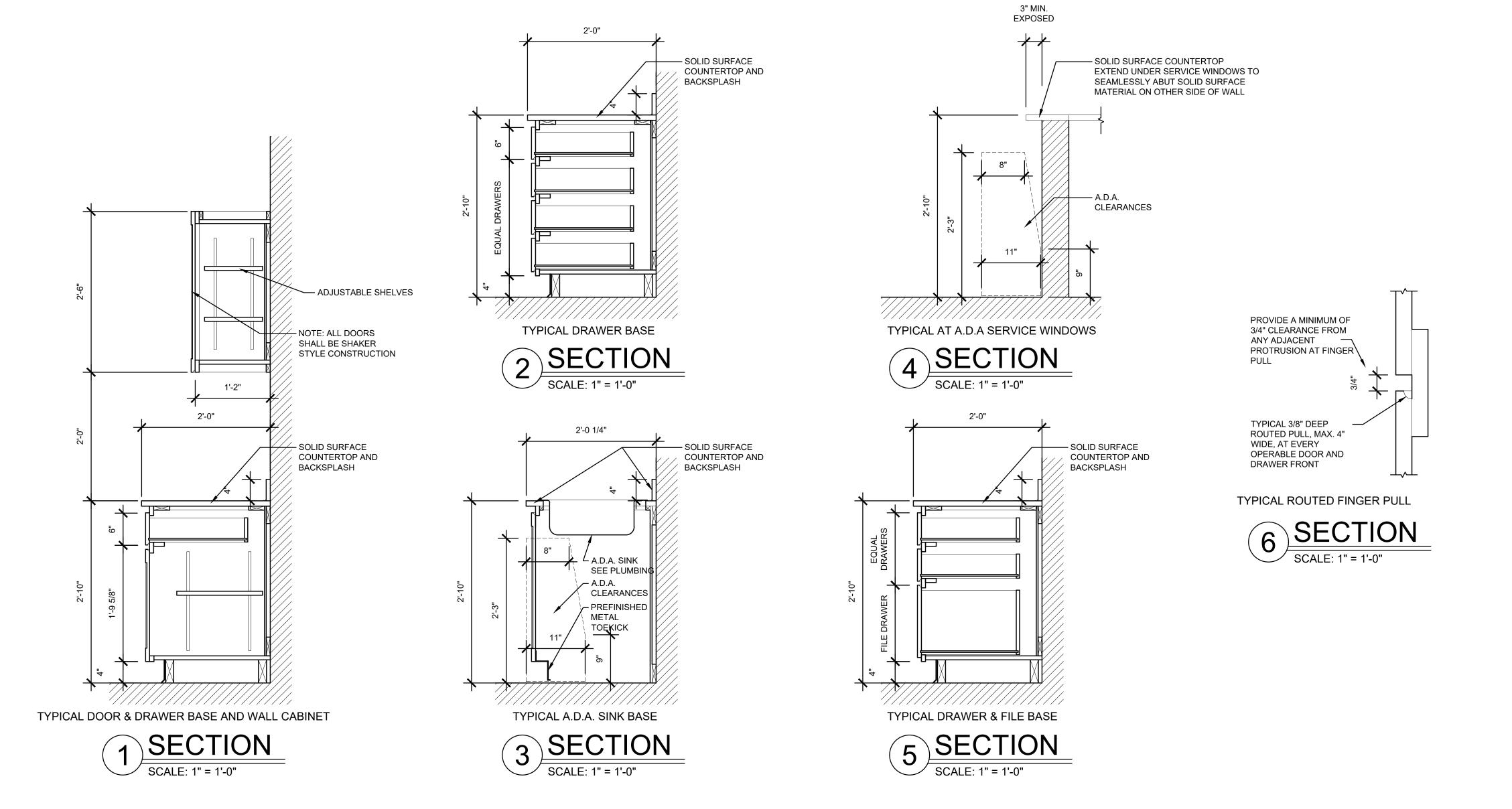
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SHEET INDEX SCHEDULES, **CASEWORK**

ELEVATIONS



PROJECT NUMBER 23-001

DATE 05/15/23

REVISIONS DATE CITYVIEW REV. 08/21/23

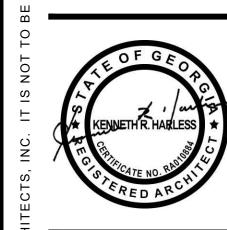
FACILITY CODE 000-0000



855 ABUTMENT ROAD SUITE FOUR

DALTON, GA 30721 TEL. 706.529.5895

INTERIOR RENOVATIONS FOR CHER PROBATION OFFICE 400 EAST MAIN STREET, CANTON GA CHEROKEE COUNTY BOARD OF

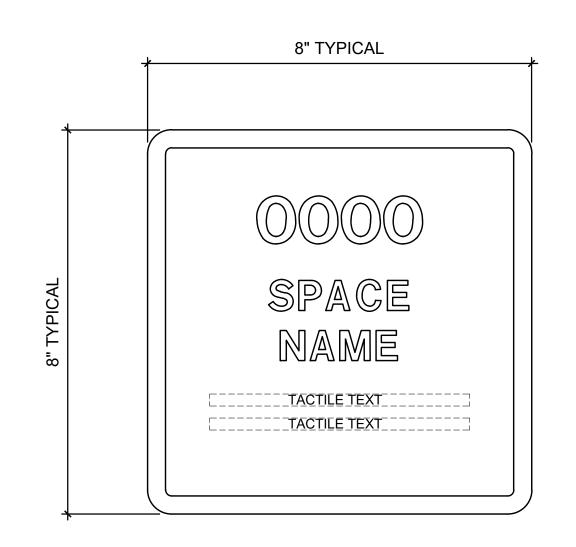


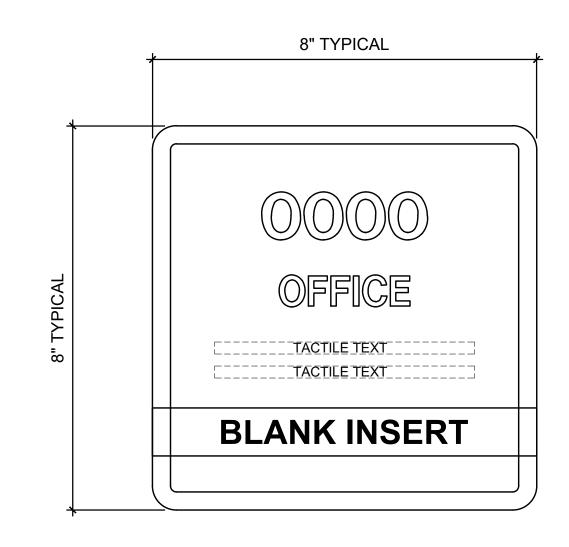
SHEET INDEX CASEWORK SECTIONS

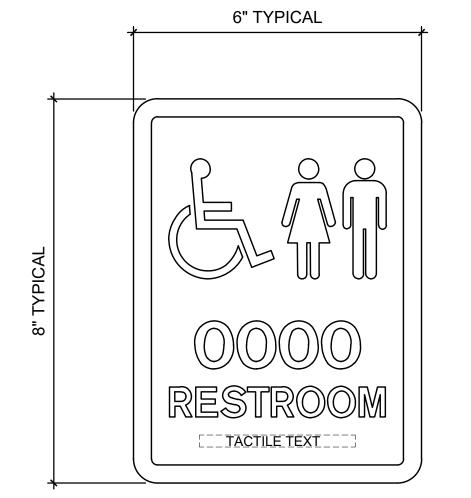
SHEET INDEX

FOR CONSTRUCTION

A4.3







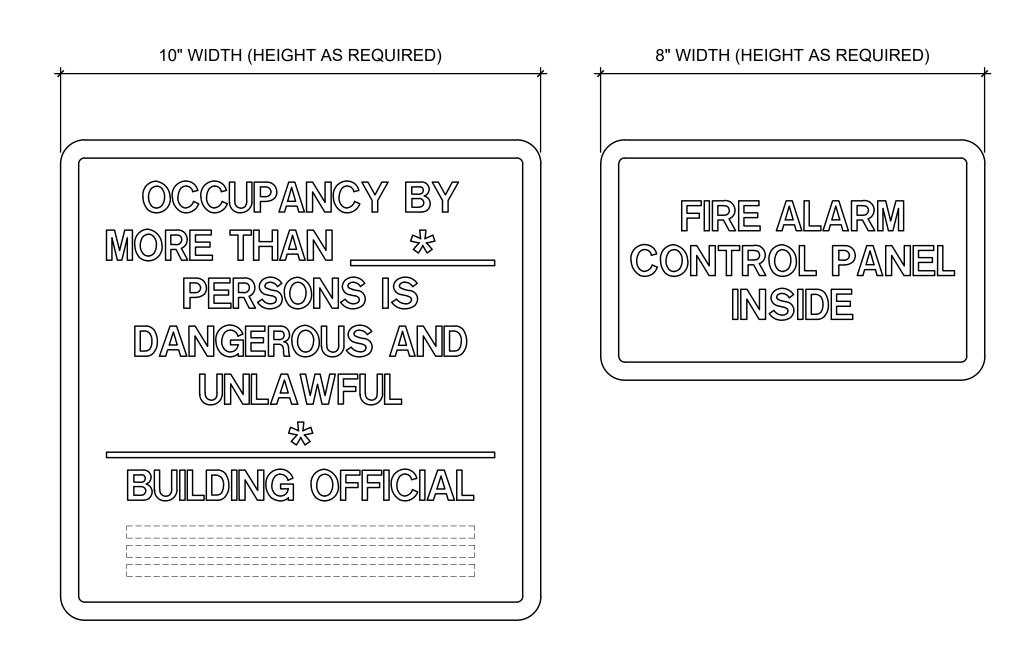




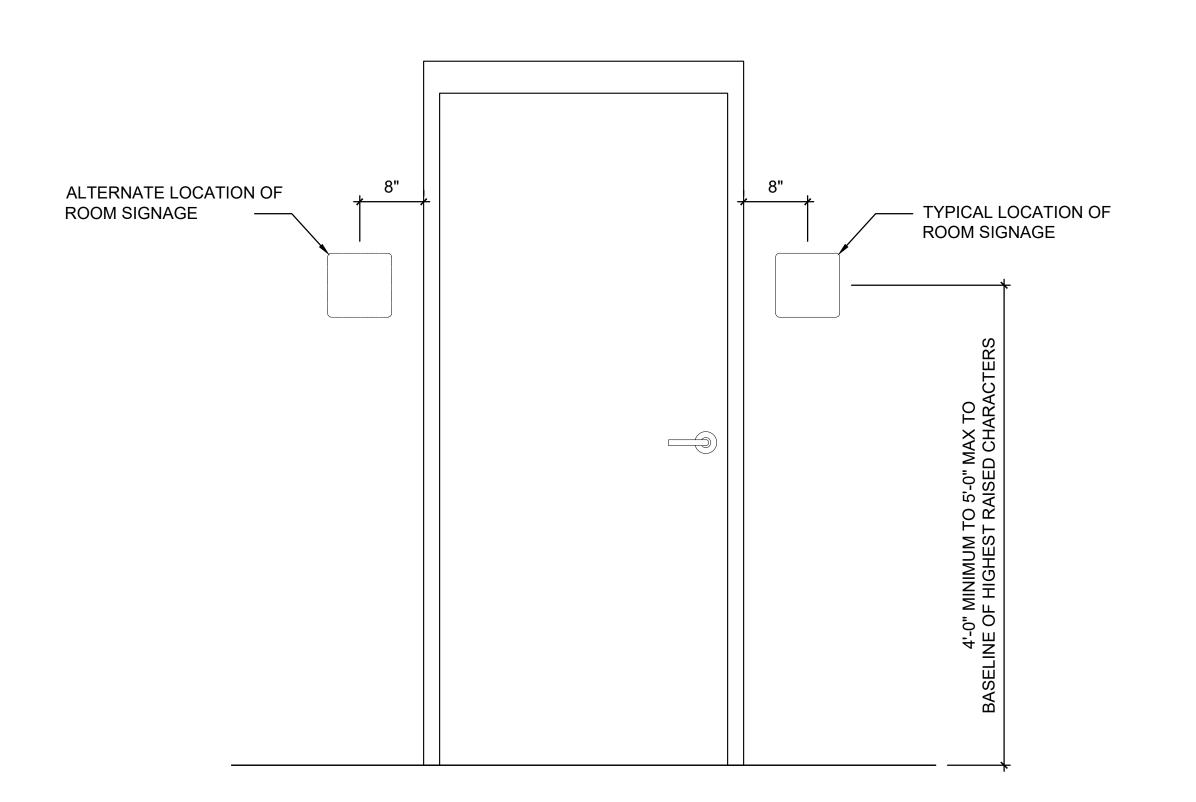












SCALE: 6" = 1'-0"

FOR CONSTRUCTION A5.1

PROJECT NUMBER
23-001
DATE

05/15/23
REVISIONS

 REVISIONS

 NO.
 DATE

 0000
 00/00/00

FACILITY CODE 000-000



855 ABUTMENT ROAD SUITE FOUR DALTON, GA 30721 TEL. 706.529.5895

PROBATIONS FOR CHEROKEE COUNT PROBATIONS FOR CHEROKEE COUNT 400 EAST MAIN STREET, CANTON GA 30114



INTERIOR SIGNAGE

GENERAL HVAC NOTES

SYSTEM.

- ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE LOCAL CODE OFFICE'S LATEST APPROVED VERSION OF THE INTERNATIONAL MECHANICAL CODE, THE INTERNATIONAL BLDG. CODE, THE STATE ENERGY CODE, NFPA 54, NFPA 90A, 101, UNDERWRITERS LABORATORIES AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES, EQUIPMENT LOCATIONS, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT.
- SUBMITTALS AND SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT AND MECHANICAL ENGINEER PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. THESE SHALL INCLUDE ALL EQUIPMENT SPECIFIED ON THE PLANS OR IN THE PROJECT SPECIFICATIONS. IF ANY MECHANICAL EQUIPMENT SUBMITTED DEVIATES FROM THAT SHOWN IN THE PLANS AND SPECIFICATIONS AS BASIS OF DESIGN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY AND ALL CHANGES REQUIRED OF OTHER TRADES TO ACCOMPLISH THE WORK USING SUBMITTED EQUIPMENT.
- ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS, AND ELECTRICAL PLANS AND SPECIFICATIONS. SEE SPECIFICATIONS FOR DESCRIPTION OF INTERFACE WITH DIVISION 16 WORK.
- ALL ELECTRICAL CHARACTERISTICS OF POWERED MECHANICAL EQUIPMENT SHALL BE VERIFIED AND FIELD COORDINATED WITH DIVISION 16 CONTRACTOR BEFORE ANY EQUIPMENT IS PURCHASED OR ORDERED.
- ALL REQUIRED CONTROL WIRING NOT SHOWN ON ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK. WIRING IN HVAC PLENUM SPACES SHALL BE INSTALLED ACCORDING TO CODE
- UNLESS OTHERWISE NOTED, STARTERS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- INSTALL FIRE DAMPERS IN ALL RATED WALL, FLOOR, AND CEILING PENETRATIONS AS APPLICABLE. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED AREAS. PROVIDE ACCESS DOORS IN DUCT AT EACH FIRE DAMPER LOCATION. INSTALL SMOKE DAMPERS IN ALL DUCT PENETRATIONS THROUGH SMOKE RATED WALLS. WHERE DUCTS PENETRATE WALLS THAT CARRY BOTH SMOKE AND FIRE RATINGS, THE DAMPERS INSTALLED SHALL BE COMBINATION SMOKE AND FIRE DAMPERS. ALL DAMPERS SHALL BE U.L. 555 LABELED.
- FIRE ALARM CONTRACTOR SHALL PROVIDE SMOKE DETECTORS FOR THE SUPPLY AND RETURN AIR TRUNKS OF ALL HVAC EQUIPMENT SUPPLYING GREATER THAN 2000 CFM TO ANY SPACE. PER IMC 606, DUCT SMOKE DETECTORS SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEM UPON ACTIVATION. PER IMC 606, DUCT SMOKE DETECTORS TO BE CONNECTED TO THE BUILDING FIRE ALARM PANEL AS APPLICABLE. IF THE OCCUPANCY DOES NOT REQUIRE A FIRE ALARM PANEL. THE ACTIVATION OF DUCT SMOKE DETECTORS SHALL ACTIVATE AN AUDIBLE AND VISIBLE SIGNAL IN AN APPROVED LOCATION. SIGNAL TO BE IDENTIFIED AS "AIR DUCT DETECTOR TROUBLE". HVAC UNITS MAY BE RESET AT FIRE ALARM PANEL.
- FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR ALL WIRING AND EQUIPMENT TO MONITOR SMOKE DETECTORS AND SHUT DOWN HVAC UNIT UPON SMOKE DETECTOR ACTIVATION. FIRE ALARM CONTRACTOR SHALL PROVIDE DUCT DETECTORS, AND MECHANICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING DETECTOR IN DUCT. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND OPERATION OF BUILDING FIRE ALARM
- ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- SUPPLY, RETURN, EXHAUST, AND OUTDOOR AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS, SEAMS, AND TAKE-OFFS IN SUPPLY AND RETURN SHEET METAL DUCTWORK SHALL BE SEALED WITH MASTIC DUCT SEALER TO SMACNA CLASS A, NO CLOTH DUCT TAPE IS ALLOWED.
- ALL SHEET METAL SUPPLY, RETURN, AND VENTILATION AIR DUCT WORK SHALL BE INSULATED WITH FIBERGLASS DUCT INSULATION WITH FOIL VAPOR BARRIER, U.L. LISTED, MINIMUM R-6 OR OTHERWISE AS REQUIRED BY LOCAL ENERGY CODES. USE R-8 IN ATTICS OR OUTSIDE THE BUILDING INSULATION ENVELOPE. EXHAUST DUCT WORK SHALL BE INSULATED WITH THE SAME WITHIN 10' OF EXTERIOR WALL OR ROOF OPENING.
- ALL MECHANICAL EQUIPMENT SHALL BE LABELED WITH BAKELITE NAMEPLATE WITH 2" HIGH WHITE LETTERS ON A BLACK BACKGROUND. NAMEPLATE SHALL SHOW EQUIPMENT TAG USED ON THESE DRAWINGS. ELECTRICAL DISCONNECTS FOR EQUIPMENT SHALL BE LABELED TO MATCH EQUIPMENT SERVED.
- ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT HANG FROM OR REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND CONNECTION TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS.
- FLEXIBLE DUCTWORK SHALL BE THERMAFLEX M-KE (U.L. 181 LISTED, CLASS 1 FLEXIBLE AIR DUCT) OR EQUAL PROVIDE THERMAFLEX M-KE R-6 (R-6 MINIMUM VALUE OR AS REQUIRED BY LOCAL ENERGY CODE) IN UNCONDITIONED SPACES. USE R-8 IN ATTICS AND SPACES OUTSIDE THE BUILDING INSULATION ENVELOPE. AIR CONNECTORS ARE NOT ACCEPTABLE. SIZE TO MATCH DEVICE NECK, PROVIDE ROUND GALVANIZED STEEL DUCT RUN-OUTS TO PROVIDE A MAXIMUM FLEXIBLE DUCT LENGTH OF 5'-0". FLEXIBLE DUCTWORK SHALL BE ROUTED AS STRAIGHT AS POSSIBLE AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS AS REQUIRED TO CONNECT TO AIR DEVICE NECK.
- BRANCH RUN-OUT DUCTS SHALL BE SAME SIZE AS DIFFUSER NECK IF NOT NOTED OTHERWISE.
- SHEET METAL DUCTWORK SHOWN AS BEING INTERNALLY LINED SHALL BE LINED WITH 1" THICK, 3 LB/CUFT. DENSITY DUCT LINER, MINIMUM R-4 OR AS REQUIRED BY APPLICABLE ENERGY CODE, CERTAINTEED "TOUGHGARD" OR EQUAL BY JOHNS-MANVILLE OR KNAUF. LINE ALL DUCTWORK A MINIMUM OF 15'-0" DOWNSTREAM AND UPSTREAM (WHERE POSSIBLE) OF ALL AIR HANDLING UNITS, FAN COIL UNITS, AND TERMINAL UNITS. LEADING EDGE OF INSULATION SHALL HAVE SHEET METAL NOSING. DUCT THAT IS INTERNALLY INSULATED SHALL BE EXTERNALLY INSULATED AS WELL TO ACHIEVE REQUIRED TOTAL U-VALUE.
- DUCTWORK DIMENSIONS SHOWN ON DRAWING ARE INSIDE CLEAR DIMENSIONS. CONTRACTOR SHALL ADJUST TOTAL DUCT WORK DIMENSIONS TO ACHIEVE SHOWN INSIDE CLEAR DIMENSIONS.
- DUCTWORK AND EQUIPMENT SHOWN IS DIAGRAMMATIC. COORDINATE AND ROUTE DUCTWORK TO MEET JOB REQUIREMENTS. LOCATION OF EQUIPMENT MUST BE COORDINATED WITH ALL DISCIPLINES BEFORE FINAL LOCATIONS ARE SELECTED. WEIGHTS OF EQUIPMENT MUST BE VERIFIED AND COORDINATED WITH STRUCTURAL SYSTEMS MANAGERS BEFORE EQUIPMENT CAN BE MOVED INTO LOCATION OR INSTALLED.
- ALL CONDENSATE DRAIN LINES FROM HVAC EQUIPMENT LOCATED INSIDE THE BUILDING SHALL BE TRAPPED AND SHALL DRAIN INTO BUILDING FLOOR DRAINS, ROOF DRAINS, OR STORM DRAINS. CONDENSATE SHALL BE INSULATED SCHEDULE 40 PVC (EXCEPT INSULATED TYPE L COPPER IN HVAC PLENUMS). CONDENSTATE SHALL BE PUMPED AS REQUIRED.
- ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE, AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPE HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORD OF
- ALL PIPE AND DUCT PENETRATIONS OF FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRESTOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE MANUFACTURED BY 3M COMPANY, CP25 CAULK, CP195 COMPOSITE PANEL, FS195 WRAP/STRIP, OR PSS 7900 SERIES SYTEMS AS RECOMMENDED BY MFG. FOR PARTICULAR APPLICATIONS, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
- ANY WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THIS WORK SHALL BE REPAIRED TO EXISTING OR LIKE-NEW CONDITION.
- OUTSIDE HARDWARE FOR EXHAUST FANS SHALL BE PLACED IN A LOCATION SUITABLE TO OWNER. CONTRACTOR SHALL COORDINATE PLACEMENT WITH OWNER BEFORE FINAL INSTALLATION. OUTSIDE HARDWARE FOR EXHAUST FANS AND FRESH AIR INTAKES SHOULD BE CONSTRUCTED SO AS TO BE WEATHERTIGHT AND SHOULD INCLUDE INTEGRAL BIRD OR INSECT SCREENS.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION
- CONTRACTOR SHALL PROVIDE ALL NECESSARY PRODUCTS AND MATERIALS FOR A COMPLETE MECHANICAL

		AC LEGEND				
SYMBOL - SINGLE LINE	SYMBOL - DOUBLE LINE	DESCRIPTION				
		CELING DIFFUSER				
		CEILING RETURN GRILLE				
─	├	SIDEWALL SUPPLY REGISTER OR GRILLE				
	-	SIDEWALL RETURN REGISTER OR GRILLE				
AHU 1	AHU 1	EQUIPMENT DESIGNATION				
A8 200	A8 200	DIFFUSER TAG: TYPE "A", NECK SIZE 8", BALANCED FOR 200 CFM				
<u>WL-1</u> 75	<u>WL−1</u> 75	LOUVER TAG: TYPE "WL-1", SIZE FOR 75 CFM @ 500 FPM				
+D	D	DROP				
+ _R →	R	RISE				
16x12	16x12	DUCT SIZE - RECTANGULAR				
10"ø	10"ø	DUCT SIZE - ROUND				
		DUCT TRANSITION				
Z		RETURN AIR DUCT TURNED DOWN				
		RETURN AIR DUCT TURNED UP				
		RECT. ELBOW WITH TURNING VANES				
====		LINED DUCT				
~~~	 	FLEXIBLE DUCT				
● DD	● DD	DUCT SMOKE DETECTOR				
F D	F D	FIRE DAMPER				
F/S	F/S	FIRE/SMOKE DAMPER				
——— 《 CRD	CRD	CEILING RADIATION DAMPER				
	MOD	MOTOR OPERATED DAMPER				
	MVD	MANUAL VOLUME DAMPER				
	BDD	BACKDRAFT DAMPER				
FC FC	FC	FLEXIBLE EQUIPMENT CONNECTOR				
T H C	T H C	THERMOSTAT, HUMIDISTAT, CARBON DIOXIDE WALL-MOUNTED SENSOR, OR AS NOTED				
\triangleright	\triangleright	REVISION TAG (#1)				
<u> </u>	<u> </u>	UNDER CUT (DOOR) 1"				
•	•	CONNECT TO EXISTING				

	HVAC ABBREVIATIONS					
SYMBOL	DESCRIPTION					
MBH	1000 BTU/HR					
A/C	ABOVE CEILING					
AFF	ABOVE FINISH FLOOR					
AHU	AIR HANDLING UNIT					
CD	CONDENSATE DRAIN					
EF	EXHAUST FAN					
ESP	EXTERNAL STATIC PRESSURE (IN. W.C.)					
HP	HEAT PUMP UNIT OR HORSEPOWER					
CU	CONDENSING UNIT					
OA	OUTSIDE AIR					
WL	WALL LOUVER					
FC	FLEXIBLE EQUIPMENT CONNECTOR					
IDU	DUCTED OR DUCTLESS MINI-SPLIT FAN COIL					
ODU	MINI-SPLIT HEAT PUMP OR CONDENSING UNIT					
FNU	FURNACE UNIT					
DN	DOWN					
CTE	CONNECT TO EXISTING					

DX SPLIT SYSTEM HEAT PUMP SCHEDULE AUX. ELEC. HEATING **OPERATING** COOLING HEATING HEATING SUPPLY E.S.P. **HEATERS** COOLING NOM OA WEIGHT EFFIC. CAP. CAP. EFFIC. NOTES TAG BASIS OF DESIGN AREA SERVED TYPE TON | AIR CFM (IWG) CAP. (MBH) CFM 17°(MBH) (SEER) 47°(MBH) (HSPF) KW/STAGES (LBS) 8.2 164 / 135 1,2,3,4,5,8 HP / AHU-1 CARRIER 25HCB636 / FV4CNB003 OFFICE VERTICAL SPLIT 1200 50 0.5 - / 36 36.0 8/1 218 / 172 1,2,3,4,5,8,10 HP / AHU-2 CARRIER 25HCB624 / FV4CNB002 WAITING VERTICAL SPLIT 800 80 0.5 - / 24 24.0 8.2 8/1 VERTICAL SPLIT 218 / 172 | 1,2,3,4,5,8,10 CARRIER 25HCB624 / FV4CNB002 OFFICE 800 50 0.5 - / 24 16 24.0 8.2 8/1 HP / AHU-3 91 / 29 1,2,3,4,6,7,8,9 VERTICAL SPLIT 1500 50 0.5 - / 48 16 16.4 48.0 8.2 HP / AHU-4 CARRIER 25HCB648 / FV4CNB005 OFFICE 15/2 153 / 56 1,2,3,4,6,7,8,9,1 CARRIER 25HCB630 / FV4CNB003 TRAINING VERTICAL SPLIT 1000 160 0.5 -/30 16 30.0 8.2 8/1 HP / AHU-5 2.5 164 / 135 1,2,3,4,5,8 HP / AHU-6 CARRIER 25HCB636 / FV4CNB003 OFFICE VERTICAL SPLIT 1200 50 0.5 - / 36 16 36.0 8.2 8/1

12.5 / 18.0

15.3

13.0

19.0

9.5

425

NOTES:

HP / WFC-7

SEE MECHANICAL SPECIFICATIONS & DETAILS FOR ADDITIONAL REQUIREMENTS

MITSUBISHI PUZA18NHA4 / PKAA18HA4

WALL MOUNTED DIGITAL PROGRAMMABLE TYPE THERMOSTAT W/ SMART FAN CONTROL, AUTO CHANGEOVER & CLEAR LOCKING COVER

IT CLOSET

- OUTDOOR CONDENSING UNIT w/ COIL GUARD PROTECTION OUTDOOR CONDENSING UNIT w/ CRANK CASE HEATER
- UNITS INDICATED ARE BASIS OF DESIGN; OTHER APPROVED VENDORS ARE TRANE & LENNOX
- UNITS INDICATED ARE BASIS OF DESIGN: OTHER APPROVED VENDORS ARE CARRIER & DAIKIN
- INDOOR FAN COIL SERVED BY LINE VOLTAGE WIRING FROM OUTDOOR UNIT; VERIFY EXACT WIRE SIZE, LENGTH, DISCONNECT PER NEC. UL APPROVED DISCONNECT TO BE PROVIDED TO ELECTRICAL CONTRACTOR FOR INDOOR & OUTDOOR UNITS
- PROVIDE FACTORY INSTALLED CONDENSATE PUMP w/ ALARM DEVICE
- AIR PURIFICATION DEVICE EQUAL TO GLOBAL PLASMA SOLUTIONS MODEL GPS-RN-2400, OR AS REQUIRED BY 2013 ASHRAE 62.1 IAQ PROCEDURE FOR
- 11. PROVIDE TWINNING KIT FOR MULTI FAN COIL APPLICATION. REFER TO VENDOR REQUIREMENTS

	EXHAUST FAN SCHEDULE											
TAG	BASIS OF DESIGN	TYPE	CFM	E.S.P.	SONES	OPER. HP(W)	MOTOR HP/(W)	ELEC ⁻	TRICAL PH	CONTROL	WEIGHT (LBS)	NOTES
EF-1,2,3,4,5	GREENHECK SP-B110	CEILING	70	0.25	1.0	0.02	(80)	120	1	INTERLOCKED w/ LIGHTS	15	1,2,3,4,6,7

WALL-MOUNTED

- OUTSIDE HARDWARE FOR EXHAUST FANS SHOULD BE CONSTRUCTED SO AS TO BE WEATHERTIGHT.
- SPEED CONTROLLER ABOVE ACCESSIBLE CEILING
- BACKDRAFT DAMPER VIBRATION ISOLATORS
- ROOM MOUNTED QUARTZ TIME CLOCK 24-HR, 7-DAY w/ DAYLITE PROGRAMMING & BATTERY BACK-UP ROOM OCCUPANCY SOUND & MOTION SENSOR w/ 5-MINUTE TIME DELAY ON BREAK; COORDINATE w/ ELECTRICAL CONTRACTOR
- ELECTRICAL DISCONNECT OR BREAKER AS RQUIRED BY VENDOR & NEC

	AIR DISTRIBUTION EQUIPMENT SCHEDULE	
TAG	DESCRIPTION	NOTES
А	STEEL SQUARE CONE DIFFUSER, FIXED AIR PATTERN, 4-WAY THROW, ROUND NECK, SIZED AS SHOWN, WHITE, LAY-IN FRAME, PRICE SCD.	1,2,3
В	STEEL DOUBLE DEFLECTION SUPPLY GRILLE, ADJUSTABLE PATTERN, 3/4" SPACING BETWEEN BLADES, SIZE AS SHOWN, FRONT BLADES PARALLEL TO SHORT DIMENSION, O.B. DAMPER WHEN DUCT MOUNTED, PRICE 520.	1,2,3
С	STEEL 45° DEFLECTION RETURN GRILLE, 3/4" SPACING BETWEEN BLADES, SIZE AS SHOWN, O.B. DAMPER WHEN DUCT MOUNTED. PRICE 530.	4
D	1/2"X1/2"X1/2" ALUMINUM EGG CRATE RETURN GRILLE, LAY-IN FRAME, 24X12 OR 12X12 SIZE, PLENUM TYPE OR ROUND DUCT CONN. NECK AS SHOWN, PRICE 80.	1,4
NOTES		

- VERIFY MOUNTING TYPE WITH ARCHITECTURAL RCP.
- SUPPLY DIFFUSERS AND GRILLES SHALL NOT COME SUPPLIED WITH VOLUME DAMPERS. MANUAL VOLUME DAMPERS SHALL BE INSTALLED AT BRANCH TAKE-OFFS NEAR TRUNK (SEE DETAIL SHEET).
- BACK INSULATION SHALL BE INCLUDED ON ALL SUPPLY DIFFUSERS AND GRILLES.
- PROVIDE FULL SIZE LINED PLENUM, INTERIOR PAINTED FLAT BLACK.

WALL LOUVER SCHEDULE									
BASIS OF DESIGN	CFM	WIDTH	HEIGHT	FREE AREA (SQFT)	COLOR	APPLICATION	NOTES		
RUSKIN ELF-445DX	350	12	12	0.33	ARCH	EXHAUST	1,2,3,4		
RUSKIN ELF-445DX	210	24	16	0.63	ARCH	INTAKE	1,2,3,4		
RUSKIN ELF-445DX	100	16	16	0.63	ARCH	INTAKE	1,2,3,4		
	BASIS OF DESIGN RUSKIN ELF-445DX RUSKIN ELF-445DX	BASIS OF DESIGN CFM RUSKIN ELF-445DX 350 RUSKIN ELF-445DX 210	BASIS OF DESIGN CFM WIDTH RUSKIN ELF-445DX 350 12 RUSKIN ELF-445DX 210 24	BASIS OF DESIGN CFM WIDTH HEIGHT RUSKIN ELF-445DX 350 12 12 RUSKIN ELF-445DX 210 24 16	BASIS OF DESIGN CFM WIDTH HEIGHT FREE AREA (SQFT) RUSKIN ELF-445DX 350 12 12 0.33 RUSKIN ELF-445DX 210 24 16 0.63	BASIS OF DESIGN CFM WIDTH HEIGHT FREE AREA (SQFT) COLOR RUSKIN ELF-445DX 350 12 12 0.33 ARCH RUSKIN ELF-445DX 210 24 16 0.63 ARCH	BASIS OF DESIGN CFM WIDTH HEIGHT FREE AREA (SQFT) COLOR APPLICATION RUSKIN ELF-445DX 350 12 12 0.33 ARCH EXHAUST RUSKIN ELF-445DX 210 24 16 0.63 ARCH INTAKE		

NOTES

- BACKDRAFT DAMPER
- INSECT SCREEN PROVIDE FULL-SIZE LINED PLENUM
- COORDINATE w/ ARCHITECT FOR COLOR PREFERENCE

HVAC CONTROLS SYSTEM

PROVIDE CARRIER I-VU HVAC CONTROLS SYSTEM w/ BACNET CARDS IN EACH SYSTEM. PROVIDE CONTROL PANEL IN MAIN MECHANICAL ROOM. PROVIDE WALL SENSORS IN EACH ZONE AS INDICATED. ALL SET POINTS SHALL BE BASED ON SCHEDULING. MINIMUM OVERIDE AT WALL SENSOR FOR TEMPORARY STAFF ADJUSTMENT FOR 3 HRS. TEMPERATURE REVERTS BACK TO SCHEDULE AT THE END OF TEMPORARY ADJUSTMENT TIME. PROVIDE WIFI CAPABILITIES FOR FACILITY PERSONNEL TO MONITOR REMOTELY. PROVIDE ALL PARTS AND PIECES FOR A FULLY FUNCTIONAL SYSTEM.

ZONE	DESIGN SQFT	CFM PER SQFT	DESIGN OCC	CFM PER OCC	OA EFF.	MIN OA CFM	ASHRAE IAQ CFM
MAIL/CORRIDOR	754	0.06	0	0 5 0.80 57			-
MAINTENANCE 143	146	0.06	0	5	0.80	11	-
MECH 142	37	0.06	0	5	0.80	3	-
STORAGE 141	65	0.06	0	5	0.80	5	-
MECH/ELEC 139	150	0.06	0	5	0.80	11	-
JANITOR 138	68	0.12	0	5	0.80	10	-
TOILET 137	64	0.12	0	5	0.80	10	-
TOILET 136	64	0.12	0	5	0.80	10	I E
DATA 135	94	0.06	0	5	0.80	7	-
TRAINING ROOM 134	366	0.06	25	5	0.80	184	125
BREAK ROOM 133	218	0.12	7	5	0.80	76	35
SUPERVISOR 131	137	0.06	1	5	0.80	17	5
SUPERVISOR 130	137	0.06	1	5	0.80	17	5
SUPERVISOR 129	137	0.06	1	5	0.80	17	5
DIRECTOR 128	200	0.06	1	5	0.80	21	5
OFFICE 127	96	0.06	0	5	0.80	7	1-
OFFICE 126	95	0.06	.06 0 5 0.80 7		7	-	
OFFICE 125	95	0.06	0	5	0.80	7	-
OFFICE 124	95	0.06	0.06 0 5 0.80 7		7	1-1	
OFFICE 123	95	0.06	0	5	0.80	7	-
OFFICE 122	96	0.06	0	5	0.80	7	-
OFFICE 121	96	0.06	0	5	0.80	7	1-1
OFFICE 120	96	0.06	0	5	0.80	7	-
OFFICE 119	96	0.06	0	5	0.80	7	-
OFFICE 118	96	0.06	0	5	0.80	7	1-
OFFICE 117	105	0.06	0	5	0.80	8	-
OFFICE 116	105	0.06	0	5	0.80	8	-
OFFICE 115	105	0.06	0	5	0.80	8	1-
OFFICE 114	105	0.06	0	5	0.80	8	-
OFFICE 113	105	0.06	0	5	0.80	8	-
OFFICE 112	104	0.06	0	5	0.80	8	1-1
COPY/CORRIDOR	586	0.06	0	5	0.80	44	-
ADMIN 110	112	0.06	3	5	0.80	27	15
TOILET 109	59	0.12	0	5	0.80	9	1-
TOILET 108	59	0.12	0	5	0.80	9	1-
TOILET 107	59	0.12	0	5	0.80	9	1-
DRUG TEST 106	97	0.06	0	5	0.80	7	1-
DRUG TEST 105	95	0.06	0	5	0.80	7	-
DRUG TEST 104	97	0.06	0	5	0.80	7	-
TESTING 103	430	0.06	2	5	0.80	45	10
WAITING 102	520	0.06	15	5	0.80	133	75
VESTIBULE 101	228	0.06	1	5	0.80	23	5
			5		TOTAL	893	285

FOR CONSTRUCTION

23-001

DATE

REVISIONS

DATE

91 / 29 | 1,2,3,4,6,7,8,9

FACILITY CODE

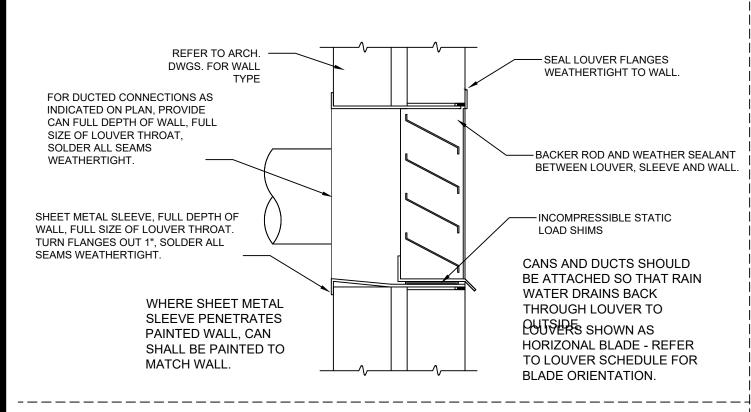


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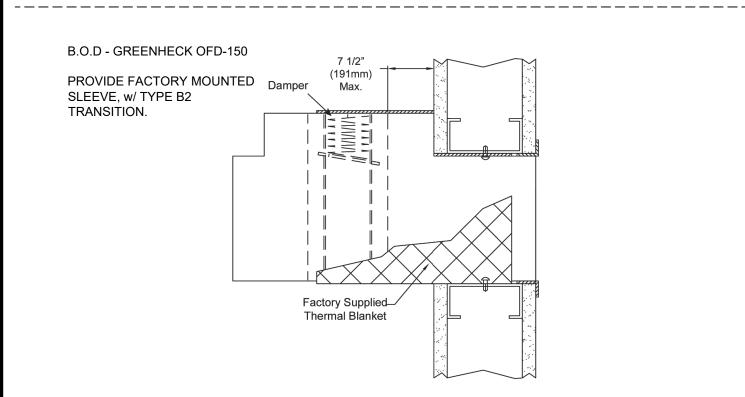
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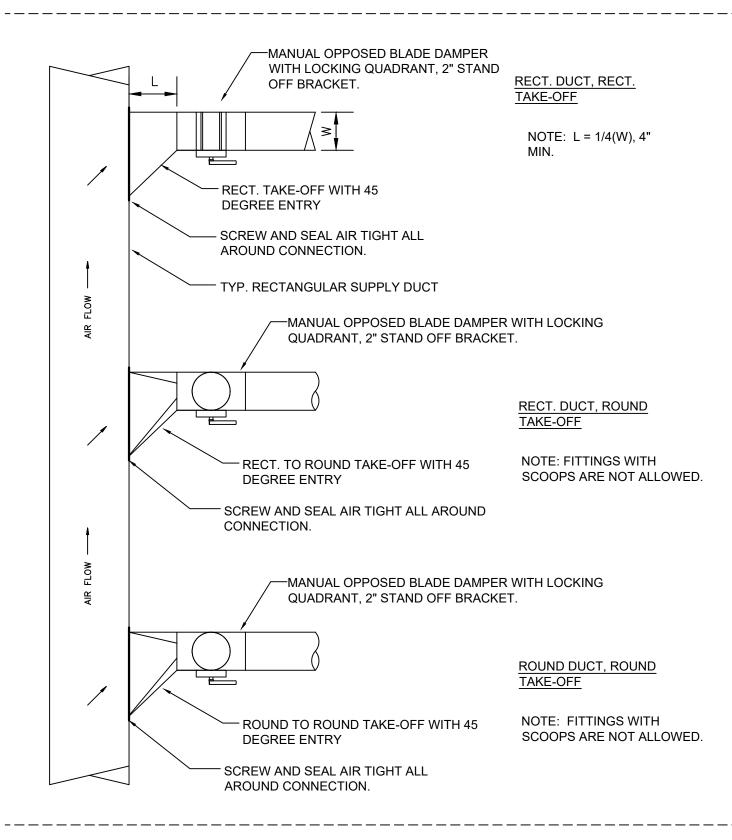
MECHANICAL SCHEDULES, NOTES, & LEGEND



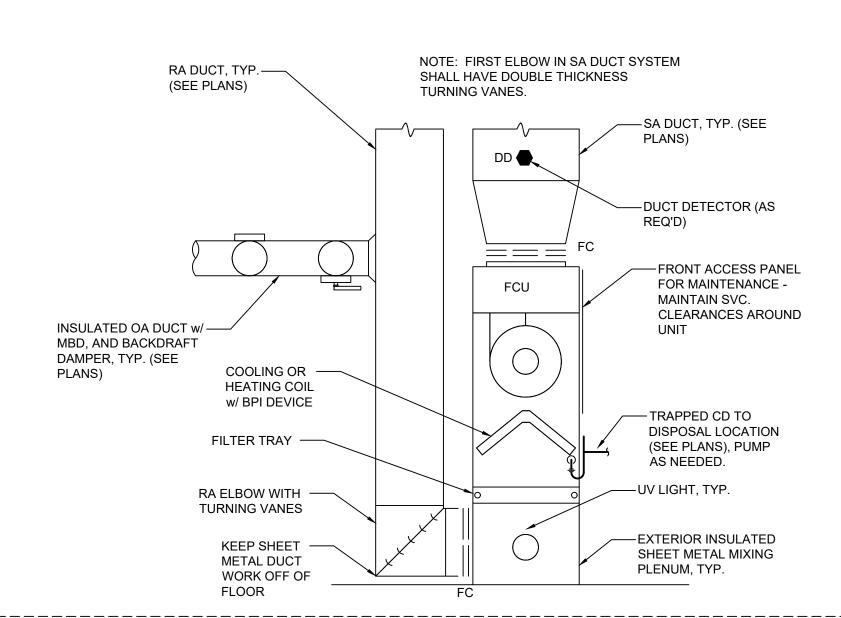
TYP. WALL LOUVER DETAIL



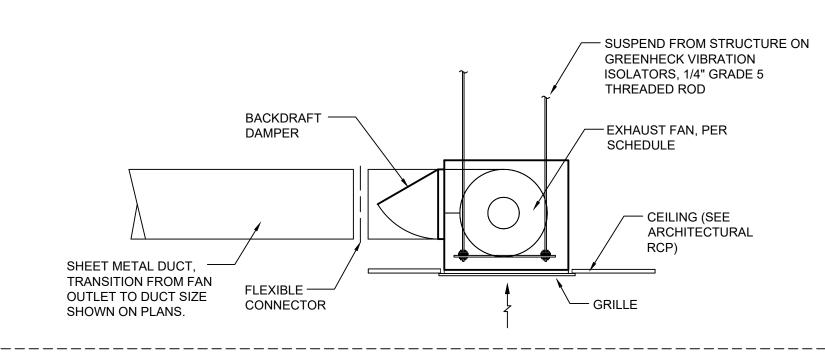
VERTICAL FIRE DAMPER w/ INSULATED SLEEVE



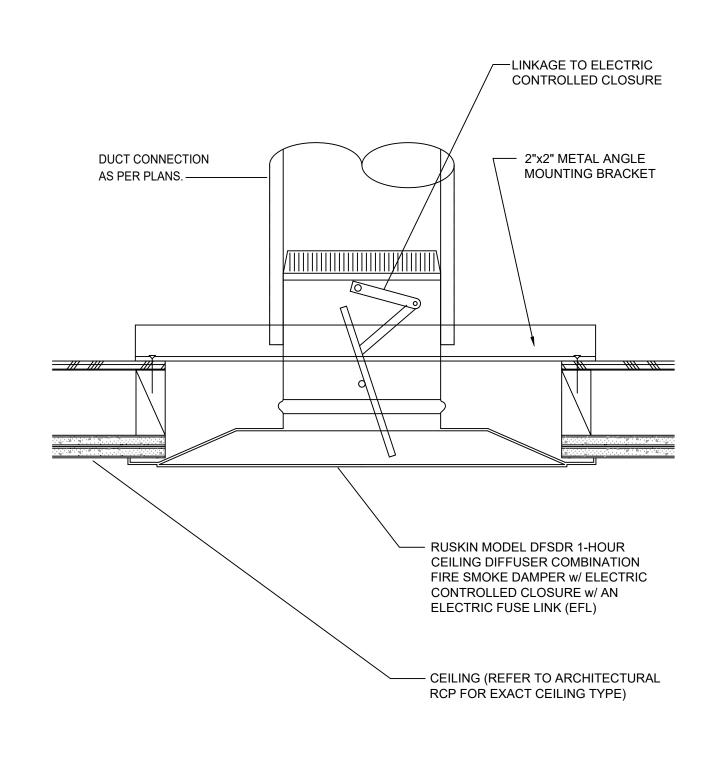
BRANCH DUCT TAKE-OFF DETAILS



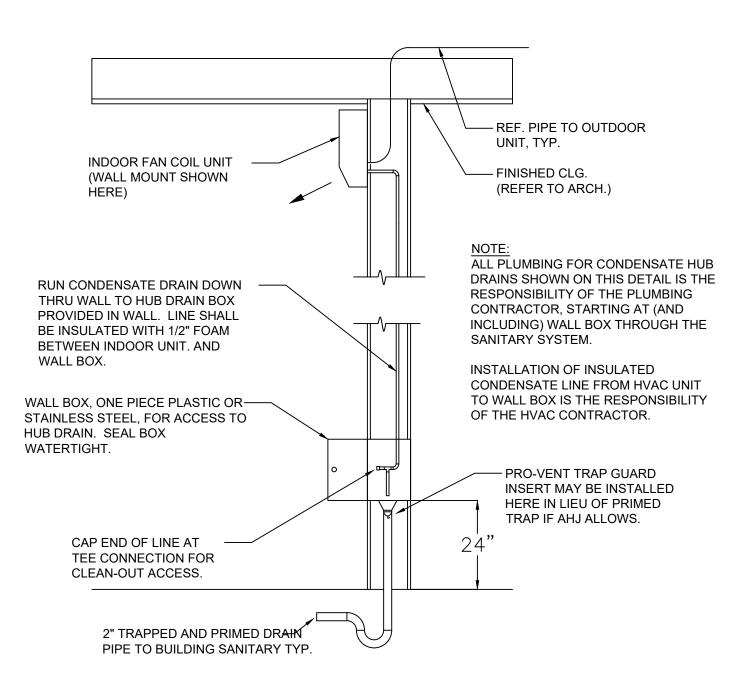
TYP. VERTICAL FAN COIL OR AIR HANDLING UNIT DETAIL



CEILING MOUNT EXHAUST FAN DETAIL

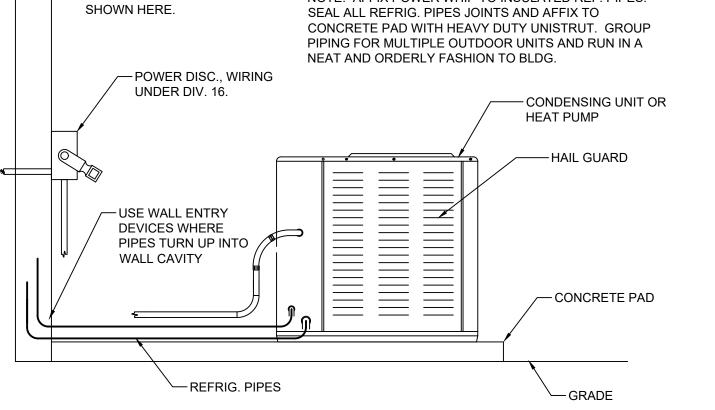


UL APPROVED RUSKIN CORRIDOR FIRE-SMOKE DAMPER DETAIL

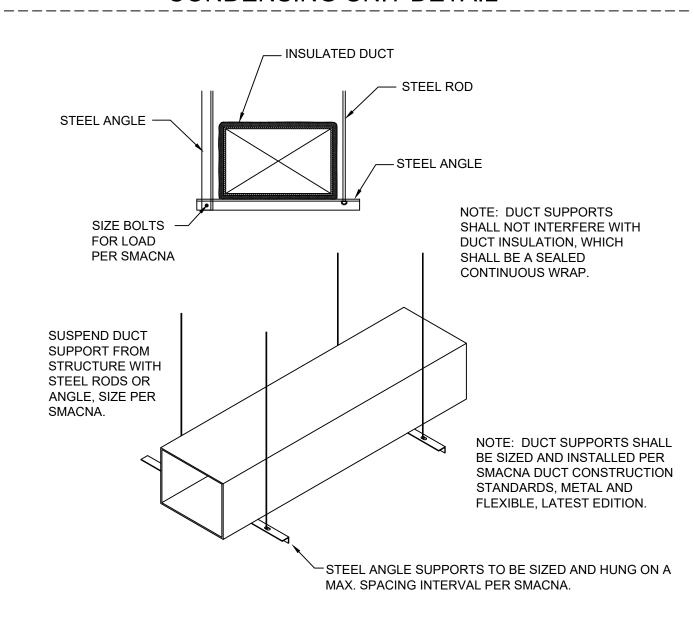


MINI-SPLIT WALL MOUNT FAN COIL

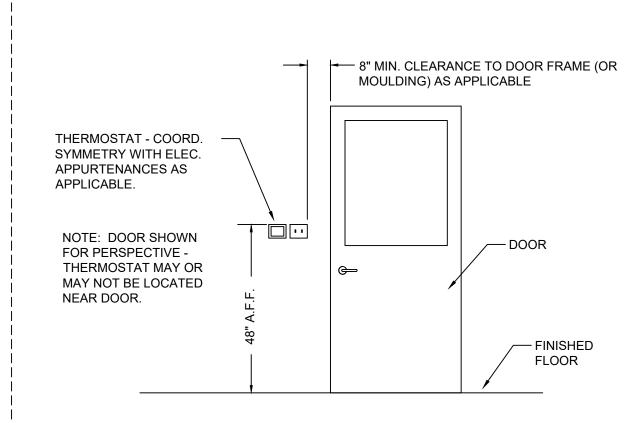
NOTE: OUTDOOR UNIT AND POWER DISCONNECT TO BE LABELED AS TAGGED ON SCHEDULE. DISCONNECT LABEL SHOULD MATCH CONNECTED UNIT. NOTE: FOR CLARITY, CONTROLS WIRING NOT NOTE: AFFIX POWER WHIP TO INSULATED REF. PIPES. SHOWN HERE. SEAL ALL REFRIG. PIPES JOINTS AND AFFIX TO PIPING FOR MULTIPLE OUTDOOR UNITS AND RUN IN A NEAT AND ORDERLY FASHION TO BLDG. — POWER DISC., WIRING



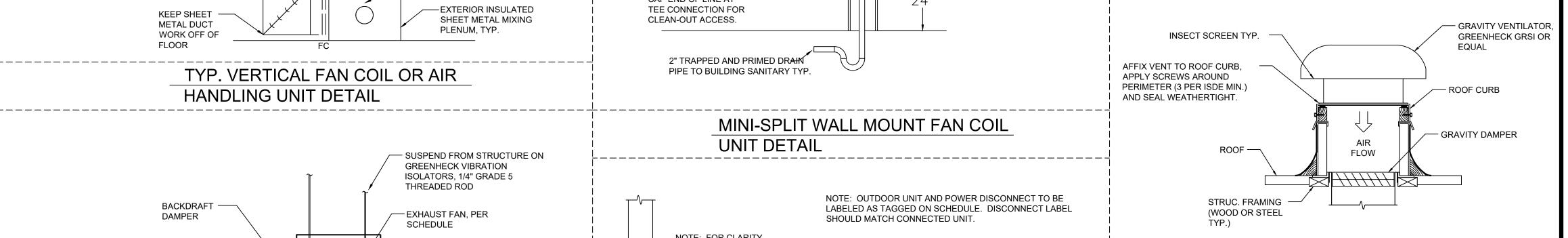
TYP. GROUND MOUNT OUTDOOR **CONDENSING UNIT DETAIL**



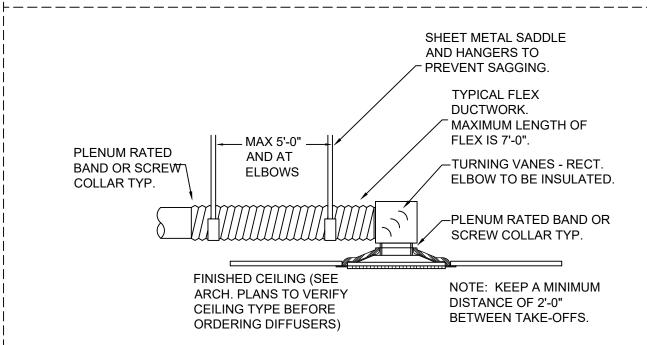
TYP. RECTANGULAR DUCT LOWER



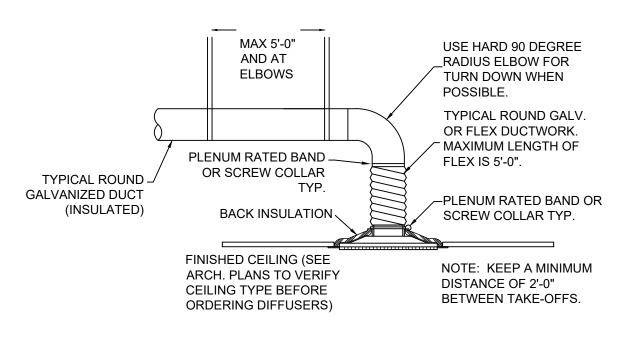
TYP. THERMOSTAT OR WALL



GRAVITY TYPE ROOF VENTILATOR



LOW CLEARANCE **BRANCH DUCT DETAIL**



BRANCH RUN-OUT DETAIL

FOR CONSTRUCTION

23-001

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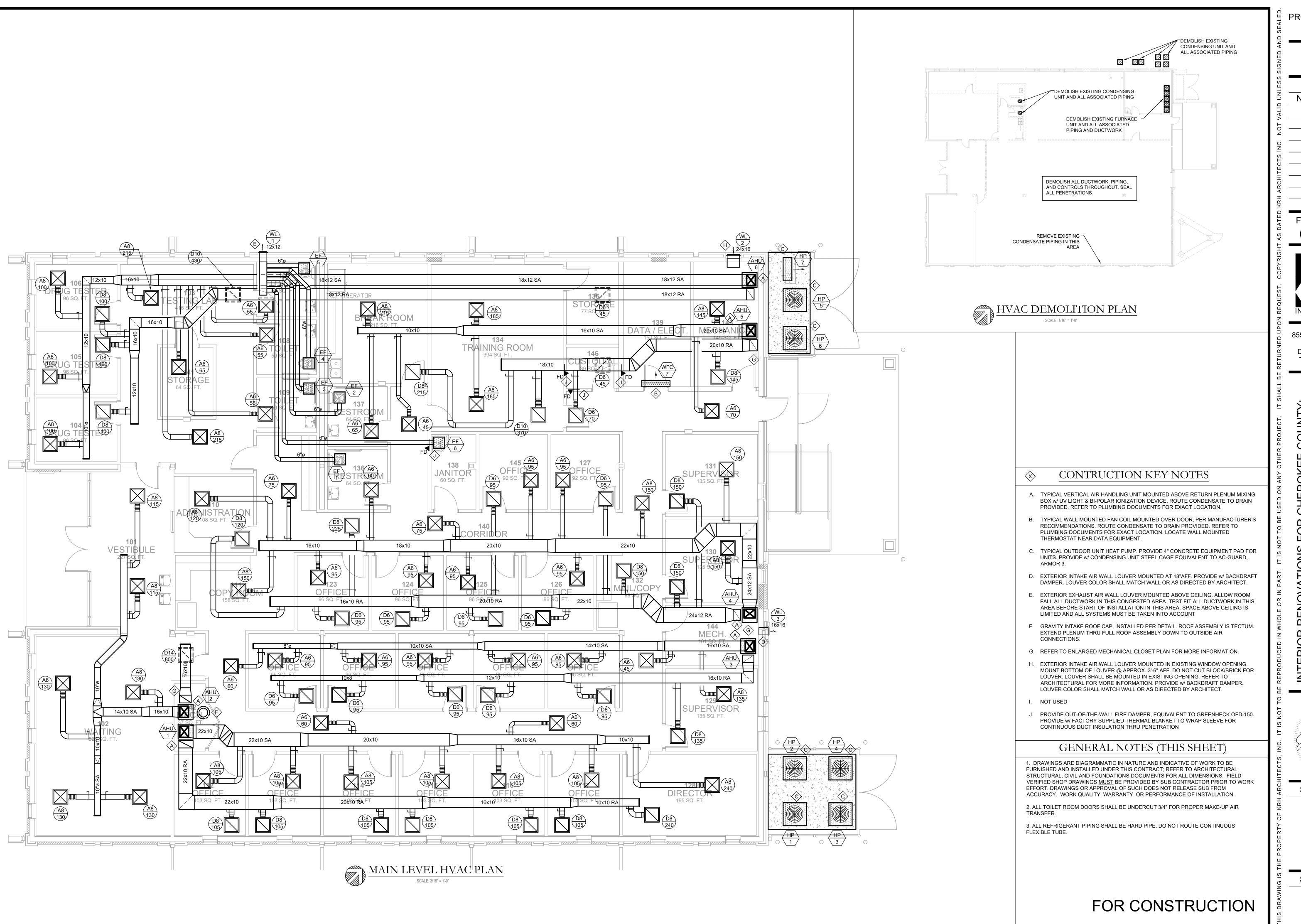
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SHEET NAME **MECHANICAL** DETAILS



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IO. DATE

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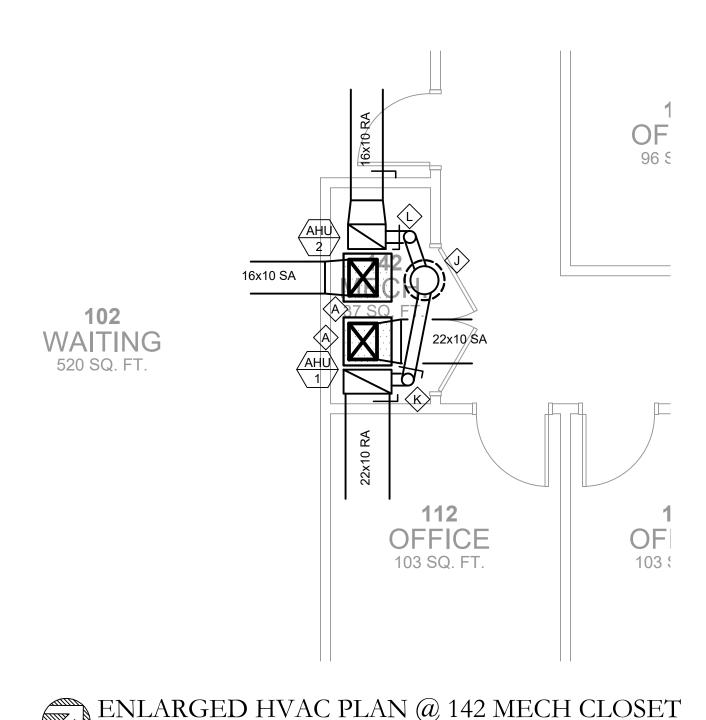
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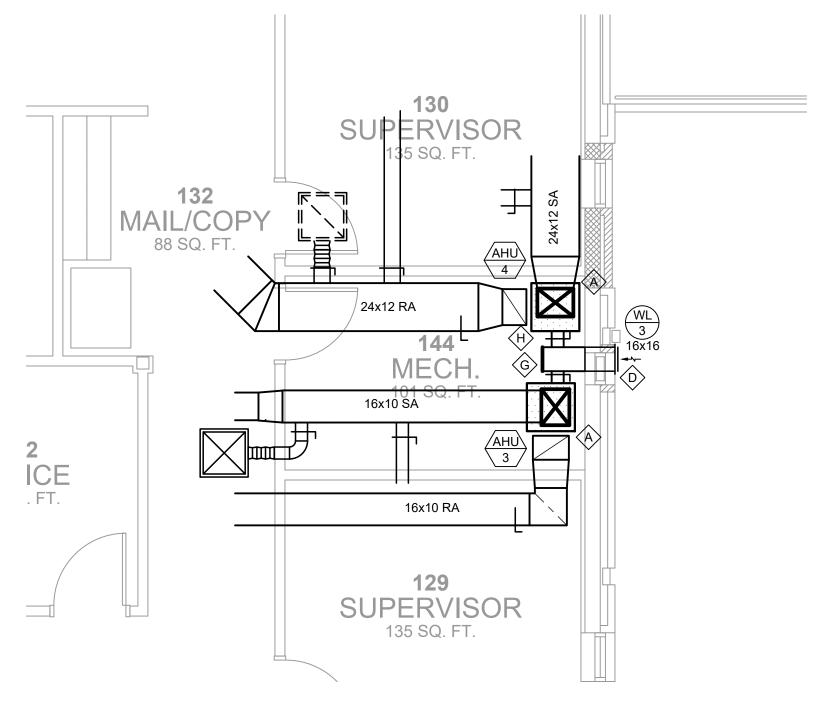
SHEET INDEX
SHEET NAME

SHEET NAME HVAC PLAN

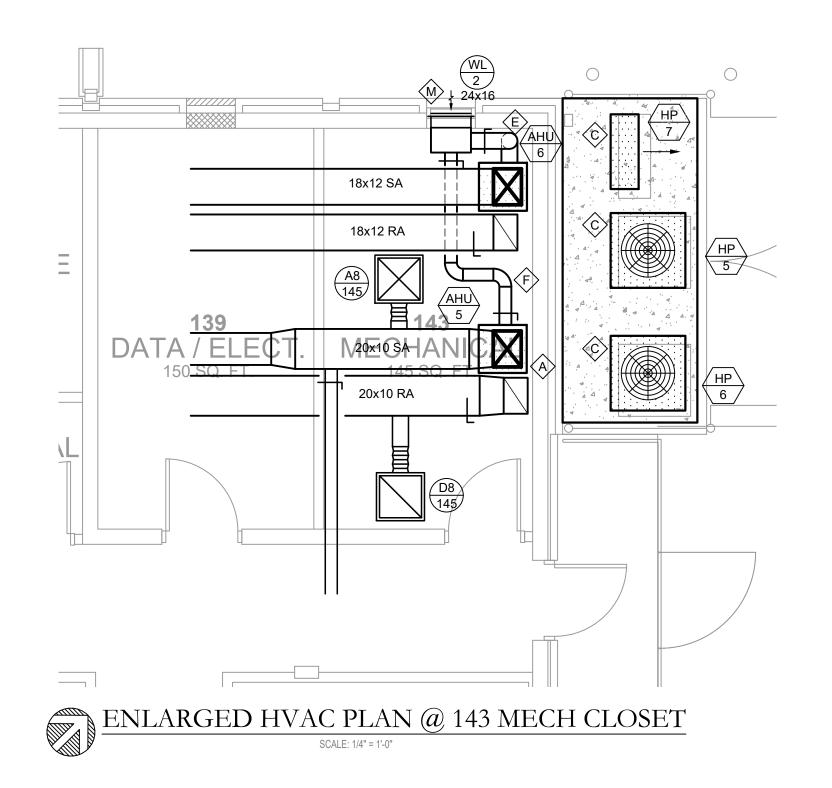
SHEET INDEX

M1.1









CONTRUCTION KEY NOTES

- A. TYPICAL VERTICAL AIR HANDLING UNIT MOUNTED ABOVE RETURN PLENUM MIXING BOX w/ UV LIGHT & BI-POLAR IONIZATION DEVICE. ROUTE CONDENSATE TO DRAIN PROVIDED. REFER TO PLUMBING DOCUMENTS FOR EXACT LOCATION.
- TYPICAL WALL MOUNTED FAN COIL MOUNTED OVER DOOR, PER MANUFACTURER'S RECOMMENDATIONS. ROUTE CONDENSATE TO DRAIN PROVIDED. REFER TO PLUMBING DOCUMENTS FOR EXACT LOCATION. LOCATE WALL MOUNTED THERMOSTAT NEAR DATA EQUIPMENT.
- C. TYPICAL OUTDOOR UNIT HEAT PUMP. PROVIDE 4" CONCRETE EQUIPMENT PAD FOR UNITS. PROVIDE w/ CONDENSING UNIT STEEL CAGE EQUIVALENT TO AC-GUARD,
- D. EXTERIOR INTAKE AIR WALL LOUVER MOUNTED AT 18"AFF. PROVIDE w/ BACKDRAFT
- E. ROUTE 8"ø OA DUCT TO AHU-6 RETURN MIXING BOX UNDER UNIT. PROIVDE MANUAL BALANCING DAMPER ON RETURN DUCT AND OA DUCT FOR PROPER BALANCING. BALANCE OUTSIDE AIR FOR VALUE INDICATED IN SCHEDULE
- F. ROUTE 6"ø OA DUCT TO AHU-5 RETURN MIXING BOX UNDER UNIT. PROIVDE MANUAL BALANCING DAMPER ON RETURN DUCT AND OA DUCT FOR PROPER BALANCING. BALANCE OUTSIDE AIR FOR VALUE INDICATED IN SCHEDULE
- G. ROUTE 6"ø OA DUCT TO AHU-3 RETURN MIXING BOX UNDER UNIT. PROIVDE MANUAL BALANCING DAMPER ON RETURN DUCT AND OA DUCT FOR PROPER BALANCING. BALANCE OUTSIDE AIR FOR VALUE INDICATED IN SCHEDULE
- H. ROUTE 6"Ø OA DUCT TO AHU-4 RETURN MIXING BOX UNDER UNIT. PROIVDE MANUAL BALANCING DAMPER ON RETURN DUCT AND OA DUCT FOR PROPER BALANCING. BALANCE OUTSIDE AIR FOR VALUE INDICATED IN SCHEDULE
- NOT USED
- J. GRAVITY RELIEF INTAKE ROOF CAP, EQUIVALENT TO GSRI-08, ON FACTORY ROOF CURB. PROVIDE CURB ASSEMBLY FOR ROOFING TYPE APPLICATION. ROOFING MATERIAL IS TECTUM. EXTEND PLENUM THRU ROOF ASSEMBLY FOR CONNECTIONS TO OUTSIDE AIR BRANCHES.
- K. ROUTE 6"ø OA DUCT TO AHU-1 RETURN MIXING BOX UNDER UNIT. PROIVDE MANUAL BALANCING DAMPER ON RETURN DUCT AND OA DUCT FOR PROPER BALANCING. BALANCE OUTSIDE AIR FOR VALUE INDICATED IN SCHEDULE
- L. ROUTE 6"ø OA DUCT TO AHU-2 RETURN MIXING BOX UNDER UNIT. PROIVDE MANUAL BALANCING DAMPER ON RETURN DUCT AND OA DUCT FOR PROPER BALANCING. BALANCE OUTSIDE AIR FOR VALUE INDICATED IN SCHEDULE
- M. EXTERIOR INTAKE AIR WALL LOUVER MOUNTED IN EXISTING WINDOW OPENING. MOUNT BOTTOM OF LOUVER @ APPROX. 3'-6" AFF. DO NOT CUT BLOCK/BRICK FOR LOUVER. LOUVER SHALL BE MOUNTED IN EXISTING OPENING. REFER TO ARCHITECTURAL FOR MORE INFORMATION. PROVIDE w/ BACKDRAFT DAMPER. LOUVER COLOR SHALL MATCH WALL OR AS DIRECTED BY ARCHITECT.

GENERAL NOTES (THIS SHEET)

1. BUILDING IS NOT PROTECTED BY NFPA FIRE SPRINKLER SYSTEM. ALL EGRESS CORRIDOR PENETRATIONS MUST BE PROTECTED, PER IMC. EXCEPTIONS ARE TAKEN WHERE POSSIBLE. PROVIDE STEEL SLEEVES AT CORRIDOR PENETRATIONS SMALLER THAN 100 SQUARE INCHES. PROVIDE FIRE DAMPERS AT LARGER PENETRATIONS. ALTHOUGH THE CORRIDOR CEILING IS NOT RATED, DIFFUSERS AND GRILLES SERVING CORRIDORS SHALL BE PROTECTED w/ COMBINATION FIRE / SMOKE DAMPERS (UNLESS OTHERWISE NOTED) IN ORDER TO TAKE ADDITIONAL EXCEPTIONS.

2. DRAWINGS ARE <u>DIAGRAMMATIC</u> IN NATURE AND INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT; REFER TO ARCHITECTURAL, STRUCTURAL, CIVIL AND FOUNDATIONS DOCUMENTS FOR ALL DIMENSIONS. FIELD VERIFIED SHOP DRAWINGS MUST BE PROVIDED BY SUB CONTRACTOR PRIOR TO WORK EFFORT. DRAWINGS OR APPROVAL OF SUCH DOES NOT RELEASE SUB FROM ACCURACY. WORK QUALITY, WARRANTY OR PERFORMANCE OF INSTALLATION.

3. ALL TOILET ROOM DOORS SHALL BE UNDERCUT 3/4" FOR PROPER MAKE-UP AIR

4. ALL REFRIGERANT PIPING SHALL BE HARD PIPE. DO NOT ROUTE CONTINUOUS FLEXIBLE TUBE.

FOR CONSTRUCTION

PROJECT NUMBER 23-001

DATE 05/15/23

REVISIONS

DATE

FACILITY CODE 000-0000



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ENLARGED HVAC PLANS

SHEET NAME

GENERAL PLUMBING NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACCEPTED VERSION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH ADOPTED STATE AMENDMENTS AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- PLUMBING FIXTURES SHALL BE "HIGH EFFICIENCY" WITH WATER SENSE COMPLIANT FLOW OR FLUSH RATES AS REQUIRED BY GEORGIA AMENDMENTS TO THE IPC.
- 3. EXPOSED FIXTURES: CHROME PLATED BRASS AND COPPER TUBING WITH THREADED PLATED BRASS FITTINGS.
- JOIN PIPES OF DISSIMILAR METALS WITH DIELECTRIC UNIONS OR SIMILAR ISOLATING DEVICES, DO NOT DIRECTLY CONNECT TO PIPES OF DISSIMILAR METALS.
- 5. ROUTE PIPING PARALLEL TO BUILDING STRUCTURE AND MAINTAIN GRADIENT
- INSTALL PIPING TO MAINTAIN HEADROOM. GROUP PIPING TO CONSERVE SPACE. GROUP PIPING WHENEVER PRACTICAL AT COMMON ELEVATIONS.
- INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.
- PROVIDE CLEARANCE IN HANGERS AND FROM STRUCTURE AND OTHER EQUIPMENT FOR INSTALLATION OF INSULATION AND ACCESS TO VALVES AND FITTINGS.
- SLEEVE PIPE PASSING THROUGH PARTITIONS, WALLS AND FLOORS.
- 10. INSTALL IDENTIFICATION ON PIPING SYSTEMS OR INSULATION COVERINGS INCLUDING UNDERGROUND PIPING PER PIPE LABELING DETAIL. LABELS SHALL INCLUDE NAME OF FLUID INSIDE PIPE ALONG WITH DIRECTIONAL FLOW ARROWS. ALL GAS PIPING SHALL BE PAINTED YELLOW WITH PIPE MARKERS APPLIED AFTER PAINTING. NON-STEEL GAS PIPING SHALL HAVE LABELS APPLIED NOT EXCEEDING 5 FEET APART.
- 11. PROTECT PIPING SYSTEMS FROM ENTRY OF FOREIGN MATERIALS BY TEMPORARY COVERS, COMPLETING SECTIONS OF THE WORK, AND ISOLATING PARTS OF COMPLETED SYSTEM.
- 12. CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PERMITS REQUIRED TO ACCOMPLISH THE WORK SHOWN.
- 13. BEFORE COMMENCEMENT OF WORK, CONTRACTOR SHALL VERIFY EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF UTILITIES AND PIPING AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES. PIPE SLOPES SHOULD BE VERIFIED TO ENSURE PROPER ELEVATIONS ARE OBTAINED AT CONNECTION POINTS.
- 14. EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM ARCHITECTURAL
- 15. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND SHALL PAY FOR ALL FEES, CHARGES, PERMITS, AND METERS.
- 16. ALL SANITARY DRAINAGE PIPES 2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM, AND ALL SANITARY DRAINAGE PIPES 3" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM. GREASE WASTE PIPES SHALL ALL BE SLOPED AT MIN. 1/4" PER FOOT.
- 17. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR BE SUPPORTED FROM CEILING TILES.
- 18. LOCATE ALL SECTIONAL OR MAIN CONTROL VALVES WITHIN 1'-0" OF ACCESS PANELS, CELING TILES, OR OTHER POINTS OF ACCESS.
- 19. PLUMBING AND FIRE PROTECTION PIPING IS NOT TO BE INSTALLED IN ELECTRICAL ROOMS, CLOSETS, TELEPHONE ROOMS, OR ELEVATOR EQUIPMENT ROOMS EXCEPT PIPING SERVING THAT ROOM.
- 20. WATER PIPING ROUTED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE)
- 21. TOPS OF ALL FLOOR DRAINS AND FLOOR CLEANOUTS SHALL BE LEVEL WITH FINISHED FLOOR AT INSTALLATION
- LOCATION TO PREVENT TRIP HAZARDS FLOORS SHALL SLOPE TO FLOOR DRAINS.
- 22. PRIME ALL FLOOR DRAIN AND INDIRECT DRAIN TRAPS WITH WATER BASED TRAP PRIMERS AS SHOWN ON PLANS. DO NOT USE MECH. TRAP GUARDS.
- 23. ALL VENT AND FLUE OUTLETS SHALL BE 10'-0" MINIMUM FROM ANY FRESH AIR INTAKE.

OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.

- 24. DURING THE PROGRESS OF THE PROJECT, MAINTAIN AN ACCURATE RECORD OF ALL CHANGES MADE IN THE PLUMBING SYSTEMS. THE RECORD DRAWING SHALL SHOW CHANGES IN MANUFACTURER (WITH NUMBERS AND TRADE NAMES), MATERIALS, SIZES, LOCATIONS, AND HOOK-UP POINTS. AS-BUILTS SHALL BE GIVEN TO OWNER'S CONSTRUCTION MANAGER AT COMPLETION OF JOB.
- 25. UPON COMPLETION OF THIS JOB, CONTRACTOR SHALL INSPECT ALL EXPOSED PORTIONS OF THE PLUMBING INSTALLATION AND COMPLETELY REMOVE ALL EXPOSED LABELS, SOIL, MARKINGS, AND FOREIGN MATERIAL EXCEPT PRODUCT LABELS AND THOSE REQUIRED BY THESE PLANS.
- 26. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND THE ELECTRICAL CONTRACTOR, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN. PLUMBING CONTRACTOR SHALL WIRE AND START ALL ELECTRICAL PLUMBING EQUIPMENT, ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING, CONDUIT, BREAKERS, AND OTHER APPROPRIATE ELECTRICAL EQUIPMENT.
- 27. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL
- 28. ALL PIPE PENETRATIONS OF FIRE OR SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M COMPANY, CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/SHRINK, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATIONS, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
- 29. ALL VENT THRU ROOF PENETRATIONS SHALL BE ROUTED TO TERMINATE AT THE LEAST VISIBLE LOCATION FROM THE ENTRY VIEW.
- 30. CONTRACTOR SHALL PROVIDE ALL NECESSARY PRODUCTS AND MATERIALS FOR A COMPLETE PLUMBING SYSTEM.
- 31. EQUIPMENT AND PIPING LOCATIONS AND ROUTING SHOWN ARE DIAGRAMMATIC AND INTENDED TO SHOW THE INTENT OF THE DESIGN. COORDINATE FINAL LOCATIONS AND PIPE ROUTING WITH ARCHITECTURAL PLANS AND
- 32. TEMPER ALL HAND WASHING SINKS TO A MAXIMUM OF 110 DEG. F. USING ASSE 1070 TEMPERATURE LIMITING DEVICE, ALL OTHER LOCATIONS TO A MAXIMUM OF 120 DEG. F UNLESS HIGHER TEMPERATURES ARE REQ'D FOR
- 33. ALL FIXTURES USING PRESSURIZED WATER SUPPLIES SHALL BE INSTALLED WITH SHUT OFF VALVES FOR ISOLATION AND SERVICE.
- 34. CONTRACTOR SHALL FIELD COORDINATE REQUIRED DRAIN PIPE INVERTS WITH SITE CONTRACTOR BEFORE ORDERING PIPE.
- 35. CONTRACTOR SHALL HAVE A THOROUGH COORDINATION AND CONSTRUCTABILITY MEETING WITH ALL JOB TRADES BEFORE FINAL PRICING/BUDGETING OR PURCHASING ANY EQUIPMENT, AND ENGINEER SHALL BE NOTIFIED BEFORE FINAL PRICING/BUDGETING OR PURCHASING ANY EQUIPMENT OF CONFLICTS, DISCREPANCIES, OR OTHER ISSUES THAT MAY INCREASE PROJECT COST SO THAT ISSUES MAY BE RESOLVED BEFORE PRICING. THESE PLANS WERE DEVELOPED BASED ON THE ARCHITECTURAL PLANS AVAILABLE AT THE TIME OF DESIGN, AND ARE DIAGRAMMATIC IN NATURE.
- 36. ALL PIPING ACCESSORIES INSTALLED UNDERGROUND INCLUDING, BUT NOT LIMITED TO SHUT OFF VALVES, BACKFLOW DEVICES, PRESSURE REDUCING VALVES, ETC. SHALL BE INSTALLED IN A BOX OR VAULT FOR SERVICEABILITY AND PROTECTION. THESE DEVICES SHALL NOT BE DIRECT BURIED BELOW GRADE.
- 37. MAX. "DEAD LEG" LENGTH OF ANY PIPING SHALL BE 12 INCHES.

PROJECT PLUMBING MATERIAL SCHEDULE

					<u> </u>	、,, 、,_	001120022		
SOIL, WASTE, VENT & STORM PIPING		WATER PIPING			INS	SULATION DATA		HOT WATER MIXING VALVES AT LAVATORIES	REMARKS
SOLID SCHEDULE 40 PVC WITH SOLVENT WELD PVC FITTINGS EQUAL TO CHARLOTTE PIPE & FOUNDRY; CORE-EXTRUDED, WELL-CASING OR THIN WALL TYPE MATERIALS ARE NOT APPROVED & WILL BE REMOVED AT CONTRACTORS COST	BELOW FINISHED FLOOR COPPER TUBING-TYPE "K" SOFT ANNEALED TEMPER NO JOINTS BELOW FLOOR	BELOW GRADE-OUTSIDE SCHEDULE 80 CPVC WITH SOLVENT WELD CPVC FITTINGS; IF APPROVED BY LOCAL CODES	ABOVE FINISHED FLOOR COPPER TUBING-TYPE "L" HARD DRAWN TEMPER; WROUGHT COPPER FITTINGS; SOLDER JOINTS MAY USE INSIDE DIAMETER SIZED CPVC OR UPONOR PEX MATERIAL AS INDICATED IN SPECS	FITTINGS ZESTON	JACKET UNIVERSAL	THICKNESS 1.5" FIBERGLASS 3/4" ARMACELL AP-WHITE ELASTOMERIC CLOSED CELL FOAM	LOCATION ALL HOT WATER & RECIRCULATING PIPE SYSTEMS LOCATED IN CONDITIONED & NON-CONDITIONED AREAS, & ALL COLD WATER PIPING- FITTING FOR SYSTEMS IN NON-CONDITIONED AREAS	& SINKS POWERS MODEL LFLM495; DEVICE TO BE INSTALLED AT PUBLIC RESTROOMS & BREAK ROOM	VERIFY LOCAL UTILITIES PRIOR TO INSTALLATION; SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION & INVERT ELEVATION REQ'TS

		F	PI UM	BING	FIXT	URE SCHEDULE
				ECTION S		
TAG	FIXTURE	S.S.	V.	C.W.	H.W.	SPECIFICATION
WC-1	TANK TYPE WATER CLOSET, ADA, REAR DISCHARGE	3"	3"	1/2"		 HANDICAP WATER CLOSET SHALL BE FLOOR MOUNTED, TANK TYPE, REAR DISCHARGE. SEAT SHALL BE COMMERCIAL TYPE WITH OPEN FRONT. INCLUDE ALL REQUIRED HARDWARE FOR A COMPLETE INSTALLATION. FIXTURE: KOHLER K-3578 SEAT: KOHLER K-4670
WC-2	TANK TYPE WATER CLOSET, COMFORT HEIGHT, REAR DISCHARGE	3"	3"	1/2"		 NON-ADA WATER CLOSET SHALL BE FLOOR MOUNTED, TANK TYPE, REAR DISCHARGE. SEAT SHALL BE COMMERCIAL TYPE WITH OPEN FRONT. INCLUDE ALL REQUIRED HARDWARE FOR A COMPLETE INSTALLATION. FIXTURE: KOHLER K-3578 SEAT: KOHLER K-4670
LV-1	WALL MOUNT LAVATORY, PUBLIC (0.5 GPM)	2"	2"	1/2"	1/2"	 KOHLER K-2035, ADA COMPLIANT, WHITE VITREOUS CHINA WALL MOUNT SINK, REAR CENTER DRAIN WITH OVERFLOW, 2 HOLE DRILLING ON 4" CENTERS, 21-1/4" L-R X 18-1/8" F-B X 7-1/4" DEEP, INCLUDE WALL CARRIER. KOHLER 8998 P-TRAP DELTA 501 FAUCET, POLISHED CHROME. MCGUIRE 151 BRASS STRAINER. MCGUIRE BV-2165 QUARTER TURN BALL VALVE STOPS AND SUPPLIES WATTS LFUSG-B UNDER SINK GUARDIAN THERMOSTATIC MIXING VAVLE
LV-2	WALL MOUNT LAVATORY, PUBLIC (0.5 GPM)	2"	2"	1/2"	1/2"	 KOHLER K-2035, STANDARD HEIGHT, WHITE VITREOUS CHINA WALL MOUNT SINK, REAR CENTER DRAIN WITH OVERFLOW, 2 HOLE DRILLING ON 4" CENTERS, 21-1/4" L-R X 18-1/8" F-B X 7-1/4" DEEP, INCLUDE WALL CARRIER. KOHLER 8998 P-TRAP DELTA 501 FAUCET, POLISHED CHROME. MCGUIRE 151 BRASS STRAINER. MCGUIRE BV-2165 QUARTER TURN BALL VALVE STOPS AND SUPPLIES WATTS LFUSG-B UNDER SINK GUARDIAN THERMOSTATIC MIXING VAVLE
ICE	ICE MAKER WALL BOX			1/2"		OATEY METAL ICE MAKER WALL BOX METAL QUARTER TURN BALL HAMMER VALVE
WHY	WALL HYDRANT			1/2"		NON-FREEZE TYPE WOODFORD, MODEL B67 PROVIDE KEYED BOX
SK-2	DOUBLE BASIN KITCHEN SINK	2"	2"	1/2"	1/2"	 JUST DLN-ADA-1933-A-GR, 18 GA STAINLESS STEEL, DROP-IN, 6" DEPTH. DELTA 440 FAUCET w/ 1.5 GPM FLOW RATE. WATTS LFUSG-B UNDER SINK GUARDIAN THERMOSTATIC MIXING VAVLE
EDF	DRINKING FOUNTAIN	2"	2"	1/2"		 DUAL HEIGHT, TWO STATION, OASIS PG8EBFSL ELECTRIC DRINKING FOUNTAIN BOTTLE FILLER ON LOW SIDE PROVIDE ALL REQ'D HARDWARE FOR A COMPLETE INSTALLATION MCQUIRE BV-2165 QUARTER TURN BALL VALVE STOPS AND SUPPLIES
JC-1	JANITOR'S MOP SINK	3"	2"	1/2"	1/2"	SERVICE/JANITOR'S SINK SHALL BE BOTTOM-DRAINING, FLOOR-MOUNTED, 12" DEEP, CORNER-TYPE, FAUCET w/ 1/2" DIAMETER RUBBER HOSE, HOSE CLAMP, INTEGRAL RIM GUARD, STAINLESS STEEL SPLASH PANELS, AND INCLUDE ALL PARTS FOR COMPLETE INSTALLATION. FIXTURE: STERN WILLIAMS CRS-2210 FAUCET: STERN WILLIAMS T-10-VB PROVIDE ACCESSIBLE INLINE CHECK VALVES ON HOT AND COLD SUPPLY PIPES.
AVV	AIR ADMITTANCE VALVE	3"				STUDOR-VENT
WCO/GCO/ FCO	WALL/GRADE/ FLOOR CLEANOUT					SEE PLUMBING SPECIFICATIONS 15100 - 2.10
FD/FS	FLOOR DRAIN	3"				SEE PLUMBING SPECIFICATIONS 15100 - 2.9
HD	HUB DRAIN	3"		1/2"		CONDENSATE DRAIN HUB DRAIN SEE PLUMBING DETAILS

		DO	MESTI	C WAT	ER HE	ATER	SCHE	DULE			
Т	AG	BASIS OF DESIGN	STORAGE CAPACITY (GAL.)	TOTAL INPUT (KW)	NO. OF ELEMENTS, KW EA.	100 F RECOV. (GPH)	STORAGE TEMP. (DEG. F)	WATER CONN. (IN.)	SHIP WEIGHT (LBS.)	POWER	NOTES
EV	VH-1	A.O. SMITH - ENJB-30	30	4.5	2 / 4.5 (NOTE 2)	21	140	3/4	101	SEE DIV. 16	1,2,3,4,5

NOTES

- BASIS OF DESIGN IS RHEEM. ALTERNATE MANUFACTURERS: A.O.SMITH, LOCHINVAR ELEMENTS ARE WIRED FOR NON-SIMULTANEOUS OPERATION. MAX USAGE IS 6 kW
- 3. ELECTRIC WATER HEATER DATA IS BASED ON 208V MODEL.
- 4. PROVIDE 2.5 GAL EXPANSION TANK w/ WALL MOUNT BRACKET
- 5. PROVIDE ALL APPURTENANCES FOR A FULLY FUNCTIONING, CODE COMPLIANT WATER HEATING SYSTEM BASED ON IPC, PLANS, NOTES, AND DETAILS.

& BR	REAK ROOM		
		PLUMBING LEGEND	
SYN	MBOL	DESCRIPTION	ABBREVIATION
		ABOVE FINISHED CEILING	AFC
		ABOVE FINISHED FLOOR	AFF
		BELOW COUNTER	B/C
		BELOW FINISHED FLOOR	BFF
		BELOW GRADE	B/G
		DOMESTIC COLD WATER PIPING	cw
		DOMESTIC HOT WATER PIPING	HW
		VENT PIPE	V
		SANITARY SOIL	SS
_ <u>+</u>		VENT THROUGH ROOF OR WALL	VTR OR VTW
(FLOOR CLEANOUT	FCO
		FLOOR DRAIN	FD
		FLOOR SINK (INDIRECT DRAIN)	FS
		WALL CLEANOUT	WCO
	0	CLEANOUT TO GRADE	сотс
		P-TRAP	
	<u>Ļ</u>	PRESSURE REDUCING VALVE	PRV
	1 77	BACKFLOW PREVENTER	BP
	<u> </u>	BALL VALVE	

UNION

ELBOW TURNED DOWN

RUNNING WHEN AQUASTAT IS SATISFIED.

———— | ELBOW TURNED UP

PRESSURE REDUCING VALVE

BLIND FLANGE/CAP

THERMOMETER

CONNECT TO EXISTING

PIPING CONNECTION ON TOP

PIPING CONNECTION ON BOTTOM

PIPING SYS	STEM F	PRESSU	RE TEST TABLE
SVSTEM	MEDIA	PRESS (*)	

SYSTEM	MEDIA	PRESS. (*)	PERMISSIBLE PRESS. DROP
BELOW GROUND WATER	WATER	200 PSIG	1 PSIG IN 2 HRS @ 73.4°F
ABOVE GROUND WATER	WATER	200 PSIG	1 PSIG IN 2 HRS
STEAM AND CONDENSATE	WATER	125 PSIG	1 PSIG IN 2 HRS
LAB VACUUM	AIR	75 PSIG	2 PSIG IN 2 HRS
COMPRESSED AIR	AIR	150 PSIG	2 PSIG IN 2 HRS
NATURAL GAS	AIR	100 PSIG	0 PSIG IN 2 HRS
STORM, WASTE AND VENT	WATER	10 FEET	0 LEAKAGE IN 10 MINUTES**

(*) OR 1-1/2 TIMES OPERATING PRESSURE, WHICHEVER IS GREATER. (**) SMOKE TEST FOR WASTE & VENT INSIDE BUILDING PRIOR TO WALL COVER-FINISH.

SLOPE OF HORIZONTAL DRAINAGE PIPE MINIMUM SLOPE (INCHES PER FOOT) (INCHES) 2-1/2" OR LESS 3" TO 6" 1/8"

SOURCE: 2012 IPC & ASPE DESIGN MANUAL

8" OR LARGER

DFU for FIXTURE DRAINS-TRAPS FIXTURE DRAIN DRAINAGE FIXTURE UNIT VALUE OR TRAP SIZE (INCHES) 1-1/4" 1-1/2" 2 2" 3 2-1/2"

6

1/16"

SOURCE: 2012 IPC & ASPE DESIGN MANUAL

DISTANCE of FIXTURE TRAP from VENT

SIZE OF TRAP (INCHES)	SLOPE (INCH PER FOOT)	DISTANCE FROM TRAP (FEET)					
1-1/4"	1/4"	5					
1-1/2"	1/4"	6 8					
2"	1/4"						
3"	1/8"	12					
4"	1/8"	16					

SOURCE: 20012 IPC & ASPE DESIGN MANUAL

WATER HISAGE RATES

VVAI	ER USAGE RAT	E5
Fixture Type	Federal EPAct of 2005 Code Required Flow Rate	Selected Fixture Flow Rate
Public Water Closet	1.6 gallons per flush	1.28 gallons per flush
Public Urinals	1.0 gallons per flush	0.5 gallons per flush
Public Lavatory-Sink	2.2 gallons per minute	0.25 gallons per minute
Janitor Mop or Service Sink	2.5 gallons per minute	1.00 gallons per minute
Children Age 2-3 Water Closet	1.6 gallons per flush	1.28 gallons per flush
Shower Heads	2.5 gallons per minute	1.0 gallons per minute
Clothes Washer	9.5 gallons/cycle/cubic feet	8.0 gallons/cycle/cubic feet
Ice Machine	less 300 lbs 24 hours at 25 gallons per 100 lbs	less 300 lbs 24 hours at 25 gallons per 100 lbs
Pre-rinse	less than 1.6 gallons per minute	less than 1.6 gallons per minute
Drinking Fountain	8 gallons per hour at 90°F	8 gallons per hour at 90°F
Metered Faucet	0.25 gallons per minute	0.25 gallons per minute

CTE

1. VALUES & PRODUCTS SHOWN MAY NOT BE USED ON PROJECT; VERIFY EXACT AMOUNT BASED ON PROJECT PLUMBING FIXTURE SCHEDULE

DOMESTIC HOT WATER CIRCULATING PUMP SCHEDULE FLOW HORSE CONN. CONN. BASIS OF DESIGN HEAD (FT) PWR NOTES (GPM) POWER (IN.) (IN.) 2 115/1

NOTES CONTROL: PUMP ENABLED/DISABLED BY PROGRAMMABLE 7-DAY A WEEK TIME CLOCK. DURING OCCUPIED BLDG. HOURS, PUMP SHALL NOT RUN UNTIL SUCH TIME THAT AQUASTAT CALLS FOR PUMP TO RUN. PUMP SHALL STOP

SPECIFICATION: PUMP SHALL BE ELECTRICALLY COMMUTATED MOTOR TYPE, DESIGNED AND GUARANTEED FOR QUIET OPERATION. PUMP SHALL BE SUITABLE FOR 225 DEG. F AND 150 PSI WORKING PRESSURE, AND SHALL HAVE A SHAFTLESS WET ROTOR CERAMIC BALL BEARING STYLE LUBROCATED BY THE CIRCULATING FLUID. PUMP SHALL HAVE LEAD FREE BRONZE BODY. MOTORS SHALL BE NON- OVERLOADING AT ANY POINT ON THE PUMP CURVE. INCLUDE OPTIONAL CHECK VALVE WHERE AVAILABLE.

B&G ECOCIRC 19-14 VARIO VAR VAR 3/4 3/4

SHEET NAME PLUMBING

SHEET INDEX

SCHEDULES,

NOTES, & LEGEND

PROJECT NUMBER

23-001

DATE

05/15/23

REVISIONS

FACILITY CODE

855 ABUTMENT ROAD

SUITE FOUR

DALTON, GA 30721

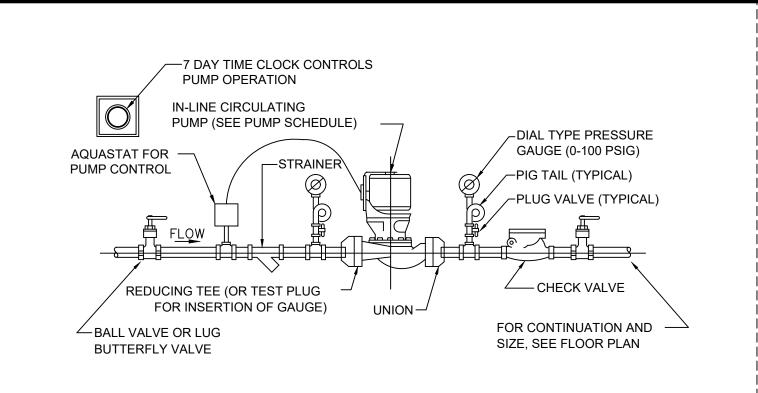
TEL. 706.529.5895

ER

SECOND RFP

DATE

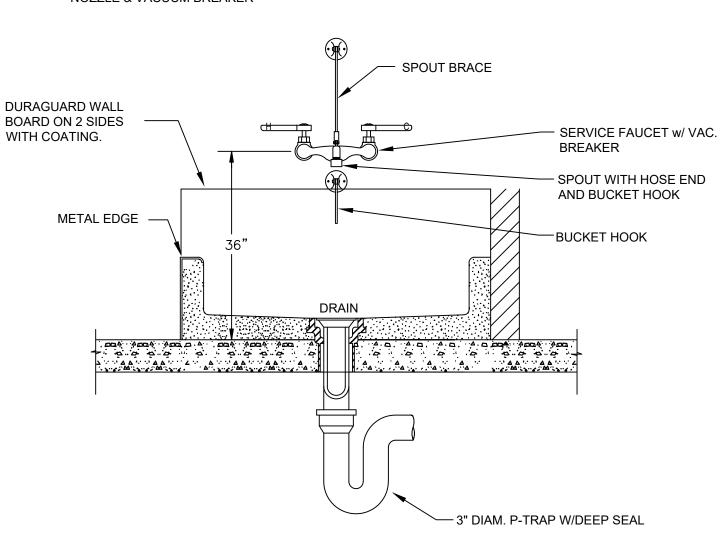
10/13/23



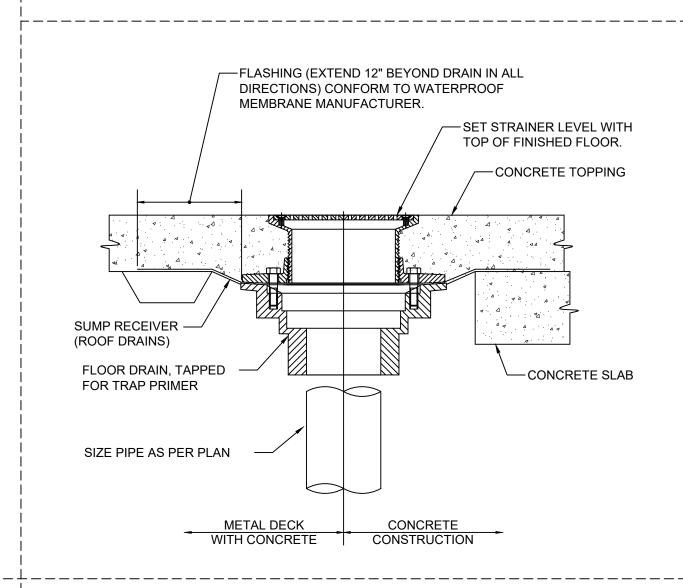
MAY EXTEND AS WASTE OR VENT PLUGGED TEE W/CLEANOUT CHROME WALLCOVER & ---SCREW CENTERED AT 24" FROM FLOOR - FLOOR LINE

INLINE CIRCULATING PUMP DETAIL



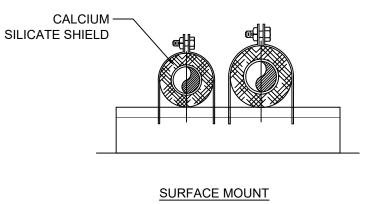


TYP. WALL CLEANOUT DETAIL



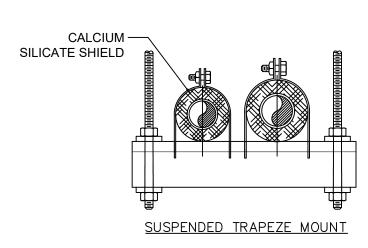
MOP SINK DETAIL

TYP. FLOOR DRAIN DETAIL



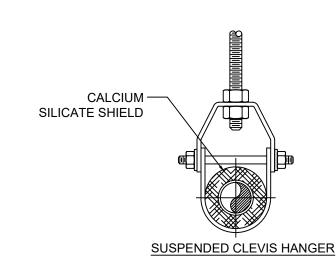
SIZE STRUT TO ADEQUATELY SUPPORT LOAD (REFER TO MANUF. CATALOG) SIZE CALCIUM SILÍCATE SHIELD TO FIT PIPE AND INSULATION THICKNESS.

SIZE CLAMP TO FIT CALCIUM SILICATE SHIELDS. 4. BOLT OR WELD STRUT TO STRUCTURE BELOW.



SIZE STRUT TO ADEQUATELY SUPPORT LOAD (REFER TO MANUF. CATALOG) SIZE CALCIUM SILICATE SHIELD TO FIT PIPE AND INSULATION THICKNESS.

SIZE CLAMP TO FIT CALCIUM SILICATE SHIELDS. 4. AFFIX TO STRUCTURE ABOVE RECOMMENDATIONS.



SIZE HANGER TO ADEQUATELY SUPPORT LOAD (REFER TO MANUF. CATALOG) 2. SIZE CALCIUM SILICATE SHIELD TO FIT PIPE AND INSULATION THICKNESS. 3. SIZE HANGER TO FIT CALCIUM SILICATE SHIELDS.

AFFIX TO STRUCTURE ABOVE

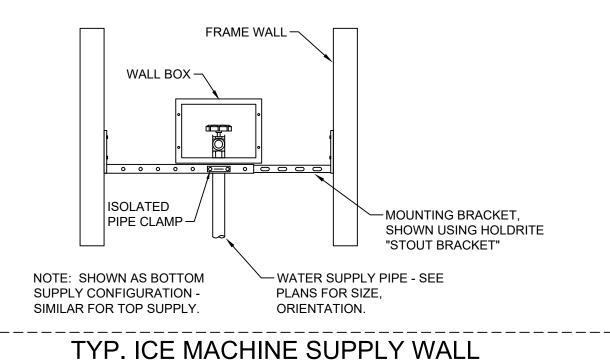
PER MANUF.

RECOMMENDATIONS

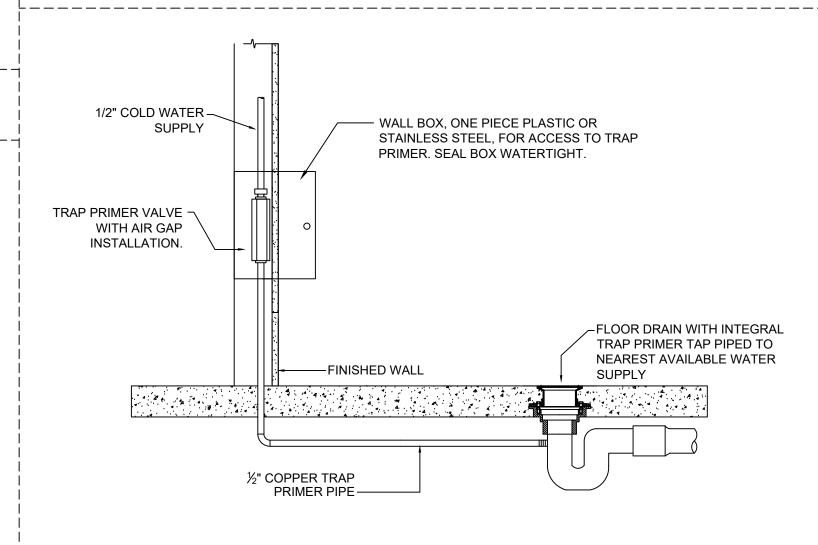
HANGER SPACI	NG CHART								
PIPE SIZE	ROD DIAM.	MAX. SPACING							
1/2" - 1-1/4"	3/8"	7'							
1-1/2"	3/8"	9'							
2"	3/8"	10'							
2-1/2"	1/2"	11'							
3"	1/2"	12'							
3-1/2"	1/2"	13'							
4"	5/8"	14'							
5"	5/8"	16'							
6"	3/4"	17'							
8"	3/4"	19'							
10"	7/8"	22'							
12"	7/8"	23'							
14"	1"	25'							
16"	1"	27'							
NOTE: ALL PIPE INSULATION SHALL BE CONTINUOUS THROUGH PIPE CLAMPS, AND SHALL BE PROTECTED BY 3" SHIELD INSIDE CLAMPS.									
OUTSIDE OF B	PE INSULATION UILDING SHALL Y EMBOSSED N	BE							

JACKETING.

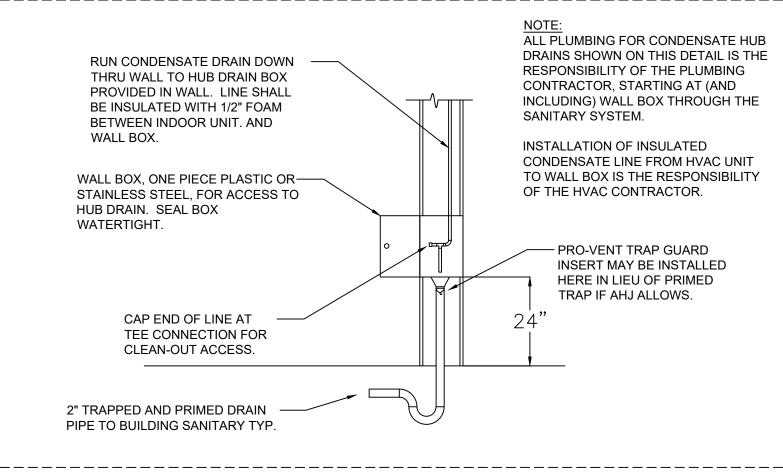
______ TYP. PIPE HANGER DETAILS



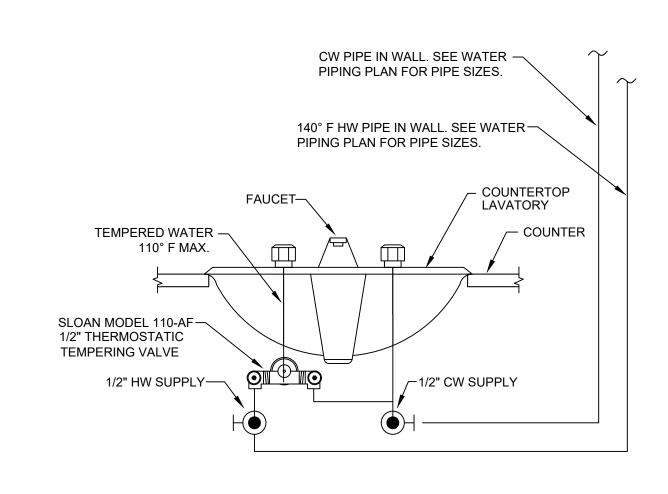
TYP. ICE MACHINE SUPPLY WALL



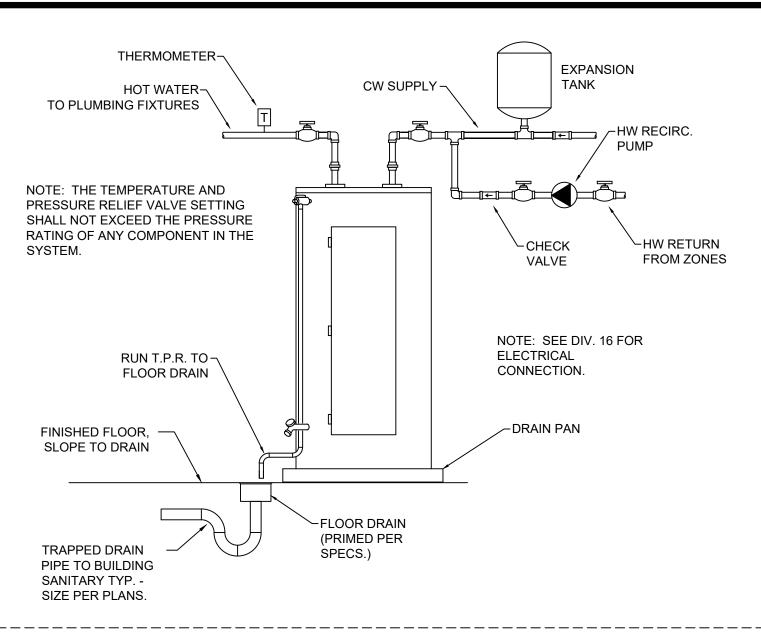
TRAP PRIMER WALL BOX DETAIL



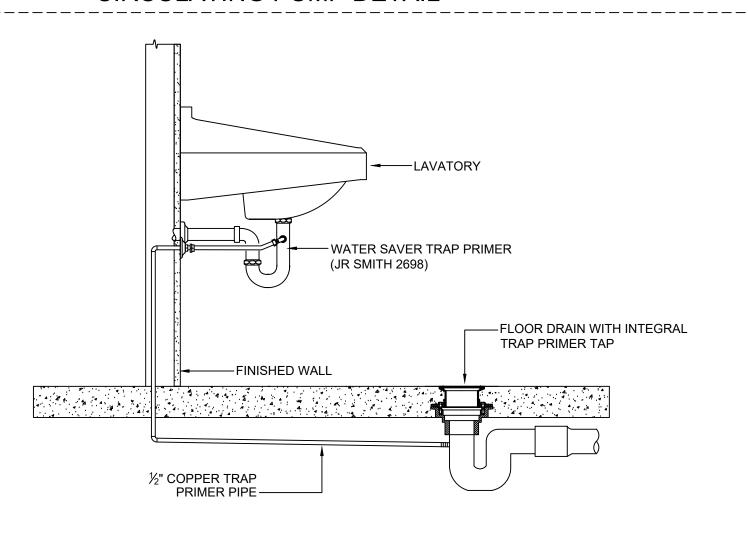
HUB DRAIN DETAIL



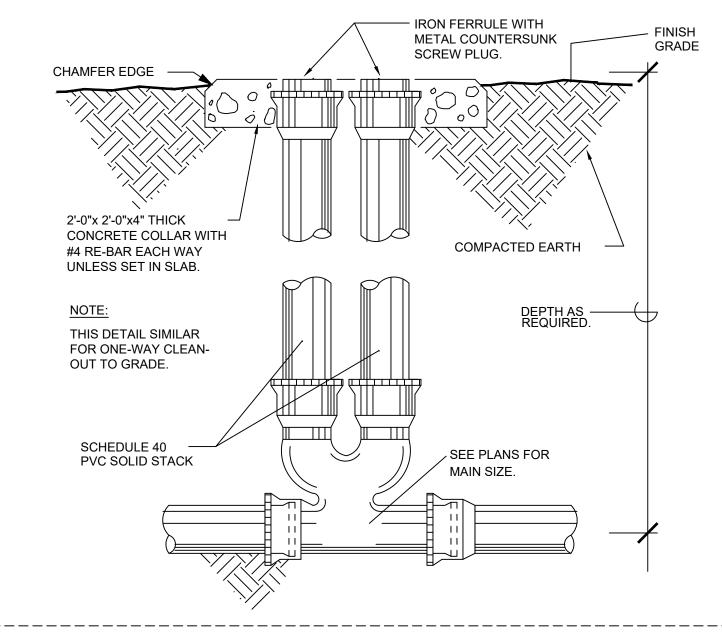
TYP. MIXING VALVE @ FIXTURE



TYP. TANK TYPE ELECTRIC WATER HEATER w/ CIRCULATING PUMP DETAIL



TYP. WATER SAVER TRAP



DOUBLE CLEANOUT DETAIL

FOR CONSTRUCTION

PROJECT NUMBER 23-001 DATE

REVISIONS DATE

SECOND RFP 10/13/23

FACILITY CODE



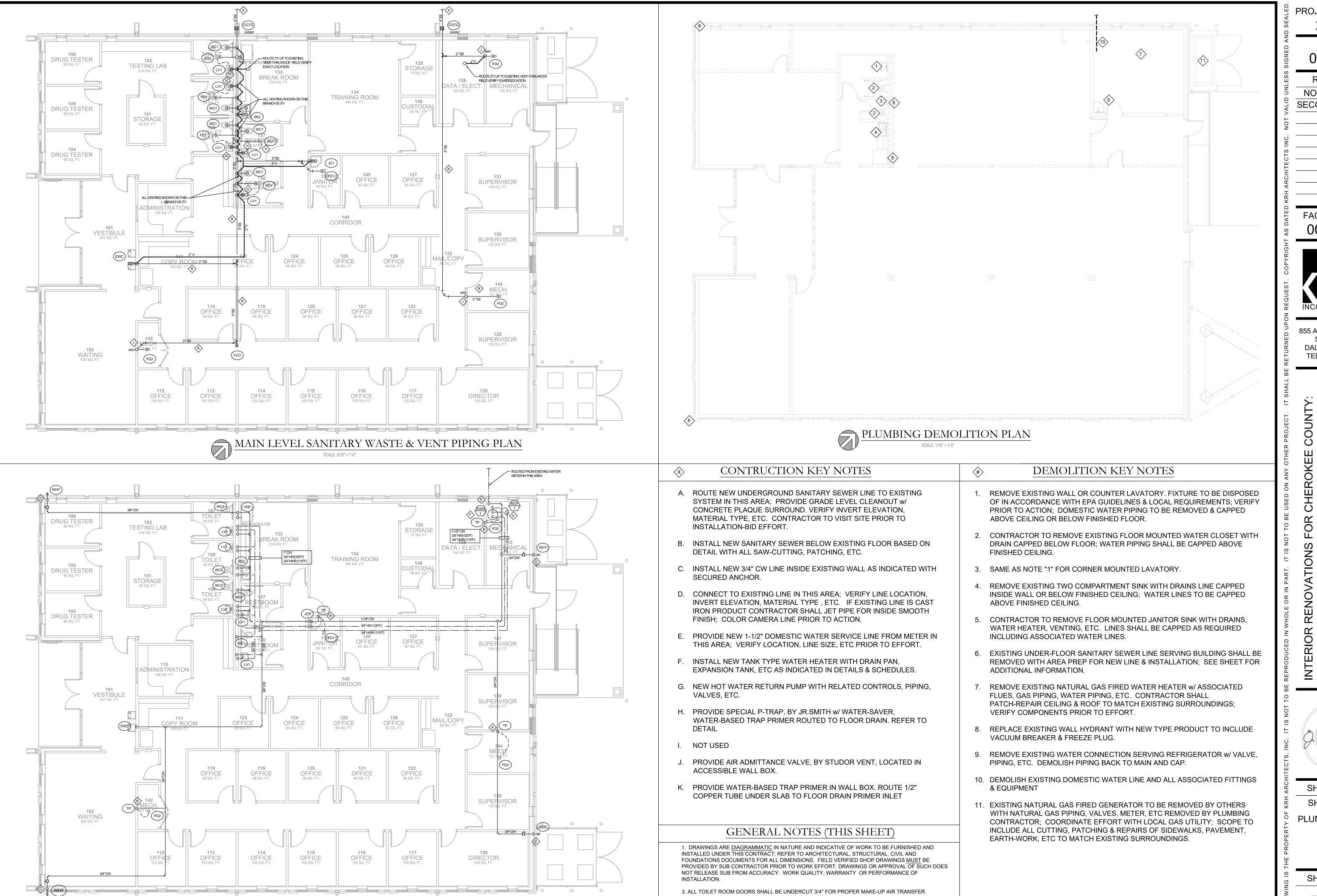
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TEL. 706.529.5895



SHEET INDEX SHEET NAME

PLUMBING DETAILS



4. ALL REFRIGERANT PIPING SHALL BE HARD PIPE. DO NOT ROUTE CONTINUOUS FLEXIBLE TUBE.

MAIN LEVEL DOMESTIC WATER PIPING PLAN

SCALE: 3/16" = 1'-0"

PROJECT NUMBER 23-001

> DATE 05/15/23

REVISIONS

DATE NO.

SECOND RFP

10/13/23

FACILITY CODE 000-0000



855 ABUTMENT ROAD SUITE FOUR **DALTON, GA 30721**

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GA OR

D D 400

SHEET INDEX SHEET NAME

PLUMBING PLANS

SHEET INDEX

FOR CONSTRUCTION

(NOTE: ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS AND ARE USED AS APPLICABLE TO THIS PROJECT)

A, AMPS	AMPERES	FLA	FULL LOAD AMPERES	NO	NORMALLY OPEN, NUMBER
A/C	AIR CONDITIONER	GND	GROUND	NITC	– –
AC	ALTERNATING CURRENT	GALV	GALVANIZED	NTS	NOT TO SCALE
AF	AMPERE FRAME	GRS	GALVANIZED RIGID STEEL	PNL PVC	PANELBOARD
AFF	ABOVE FINISHED FLOOR	GFCI	GROUND FAULT	RGS	POLYVINYL CHLORIDE RIGID GALVANIZED
AFG	ABOVE FINISHED GRADE		CIRCUIT INTERRUPTER	RGS	STEEL CONDUIT
AIC	AMPERE	GFI	GROUND FAULT INTERRUPTER	RMC	RIGID METALLIC
	INTERRUPTING CURRENT	HD	HEAT DETECTOR	KMC	CONDUIT (GALVANIZED)
AL	ALUMINUM	HP	HORSEPOWER	RMS	ROOT-MEAN-SQUARE
ANSI	AMERICAN NATIONAL	IMC	INTERMEDIATE METAL CONDUIT	RNC	RIGID NON-METALLIC
	STANDARDS INSTITUTE	ISC	INTERRUPTING SHORT CIRCUIT	KINC	CONDUIT
AWG	AMERICAN WIRE GAUGE	ISC IG	ISOLATED GROUND	SCA	SHORT CIRCUIT
BC	BARE COPPER	INST	INSTANTANEOUS	JCA	AVAILABLE
BKBD	BACKBOARD	JB	JUNCTION BOX	SWBD	SWITCHBOARD
2	CONDUIT	KAIC	KILO (THOUSAND) AMPERES	SWGR	SWITCHBOARD
CB	CIRCUIT BREAKER	KAIC	INTERRUPTING CAPACITY	TBD	TO BE DETERMINED
CKT	CIRCUIT	KCMIL	KILO (THOUSAND)	TCP	TEMPERATURE CONTROL
CU	COPPER	KCIVIIL	CIRCULAR MILS	ICP	PANEL
DIST	DISTRIBUTION	KV	KILO (THOUSAND) VOLTS	TD	TIME DELAY
DN	DOWN	KVA	KILO (THOUSAND)	TEL	TELEPHONE
DP	DISTRIBUTION PANEL	1744	VOLT-AMPERES		
DWG	DRAWING	KW	KILO (THOUSAND) WATTS	TVSS	TRANSIENT VOLTAGE
EB	ENCASED BURIAL	KWH	KILO (THOUSAND) WATT-HOURS	TYP	SURGE SUPPRESSION
EC	EMPTY CONDUIT	LFMC	LIQUID-TIGHT FLEXIBLE		TYPICAL
EEW	ENERGIZED ELECTRICAL WORK		METAL CONDUIT	UG UL	UNDERGROUND UNDERWRITER'S LABORATORIE
EGC	EQUIPMENT GROUNDING	MCB	MAIN CIRCUIT BREAKER	UON	UNLESS OTHERWISE
	CONDUCTOR	MCM	THOUSAND CIRCULAR MILS	OON	UNDERGROUND PULLBOX
ELR	END-OF-LINE RESISTOR	MCCB	MOLDED CASE	٧	VOLTS
EWC	ELECTRIC WATER COOLER	MLO	MAIN LUGS ONLY	V VA	VOLTS VOLT-AMPERES
<e></e>	EXISTING	N	NEUTRAL		
<er></er>	EXISTING TO REMAIN	NEC	NATIONAL ELECTRICAL	VFD	VARIABLE PROVE
<ex></ex>	EXISTING		CODE		FREQUENCY DRIVE
FA	FIRE ALARM	NESC	NATIONAL ELECTRICAL	WH	WATER HEATER
FAA	FIRE ALARM ANNUNCIATOR		SAFETY CODE	WP	WEATHERPROOF
FACP	FIRE ALARM CONTROL PANEL	NIC	NOT IN CONTRACT	WT	WATERTIGHT
		NL	NIGHT LIGHT	XFMR	TRANSFORMER

ELECTRICAL SPECIFICATIONS:

- GENERAL: Furnish all labor, equipment, and materials necessary for a complete installation of electrical wiring. The drawings indicate diagrammatically the extent, general character, and the approximate location of the work to be performed. Omissions of details of work, mounting hardware, fittings, J-boxes, outlet boxes, pull boxes, supports, connectors, accessories, and/or adaptors, which are evidently necessary to carry out the intent of the drawings and specifications, shall be provided. Connect all electrical equipment, whether furnished by Electrical Contractor or by others, and whether shown on plans or not. Install and connect all starters furnished by this contractor or others. Furnish, install, and connect disconnects and safety switches for all electrical equipment whether furnished by this contractor or others and where required by NEC. Before installing raceways for motors, appliances, HV AC equipment, and/or other equipment provided by others, verify locations and arrange raceways accordingly. Verify all door swings with architectural plans before roughing in light switches. Where no raceway sizes or wire sizes are shown, install as required by NEC. Verify power and connection requirements for all equipment before installation. Wire as required by equipment manufacturer and in compliance with the NEC. Obtain MOCP and MCA information from actual equipment being installed and circuit accordingly. All circuit breakers supplying HVAC equipment shall be HACR type. All work shall comply with applicable laws of the community and with the NEC. Obtain and pay for all permits required. Obtain approval from all agencies and authorities having jurisdiction for all work indicated on plans and in specifications. After completion of the work submit a certificate of final inspection and approval from the local Electrical Inspector and local Fire Department Authorities, certifying that the installation complies with all regulations governing the same. All materials shall be new and UL listed. Execute all work in a workmanlike manner so as to present a neat and mechanical appearance when completed.
- COORDINATION: Coordinate work so as to conform to the progress of the work of the other trades, and complete the entire installation as soon as the condition of the building permits. Some safety disconnect switches may be provided by the Mechanical Contractor but installed and connected by the Electrical Contractor. This work shall be coordinated by the Electrical Contractor.
- INTERFERENCE: In the event that interferences or conflicts develop, the Architect shall decide which equipment shall be relocated, at no cost to owner, regardless of which equipment was first installed.
- CUTTING AND PATCHING: Provide cutting and patching, under the supervision of the General Contractor, as required for electrical work. Coordinate with other trades as work progresses so cutting and patching will not be required or is kept at a minimum.
- SUBMITTALS: Within twenty (20) days after award of contract, submit six (6) copies of manufacturer's drawings to the Architect for review of the following items: Panelboards, disconnect switches, transient voltage surge suppressors, light fixtures, lighting controls, and fire alarm system (complete with plan showing wiring/conduit).
- TESTING: Upon completion of the work, conduct a thorough test in the Engineer's presence, and show the entire system to be in perfect working condition. GUARANTEE: Guarantee that all work executed under these specifications and plans will be free from defects of workmanship and materials for a period of one (1) year from date of final acceptance of this work. Promptly
- repair, replace, or otherwise make good, upon notification, any defect becoming apparent during this period, at TEMPORARY SYSTEMS: The Electrical Contractor shall be responsible for furnishing and installing equipment
- and materials necessary for providing electrical power where needed for the construction of the project in accordance with all OSHA regulations. SITE VISIT: Before submitting a bid, visit the site, and verify all existing conditions. Make such adjustments to
- work as required by the actual conditions encountered. SERVICE ENTRANCE: It shall be the responsibility of the Contractor to verify that the location, arrangement, voltage, phase, and connections to the utility service, as well as the required metering equipment, are coordinated with, and in accordance with, the requirements of the local power company. If the requirements are at variance with these Drawings or Specifications, the contract price shall include any additional cost necessary to meet those requirements, without extra cost to the Owner, after the contract is entered into. Notify the Architect of any changes required before proceeding with work. Any charges by the utility company for the electrical service to the facility shall be included in the bid price.
- CONDUIT PENETRATIONS: Where conduits and other electrical equipment raceways pass through fire partitions, fire walls, or floors, provide a U.L. Listed penetration for an effective barrier against the spread of fire, smoke, and gases, to maintain the fire rating of the wall which has been penetrated. Where exterior walls or floors are penetrated, provide complete weatherproofing of the penetration. Furnish roof flashing for all conduit or equipment which penetrates the roof.
- LIGHT FIXTURES: It shall be the responsibility of the contractor to verify the exact ceiling type, type of fixture mounting and trim, and recessing depth of all recessed fixtures, prior to purchasing any fixtures. Regardless of manufacturer part numbers identified in the Light Fixture Schedule on the plans, it shall be the contractor's responsibility to verify the proper operating voltage of light fixtures, according to what is indicated on the plans, prior to purchasing any fixtures. Equivalent fixture substitutes by Lithonia, Cooper Lighting, and Hubbell will be accepted. Provide lamps for all fixtures. Lamps shall be manufactured by GE, Osrarn-Sylvania, or Phillips. Fluorescent ballasts shall be high frequency electronic type by Magnetic Triad, Lutron, Osrarn-Sylvania or Motorola and shall have a 5 year warranty. BF shall be greater than .9, THD shall be less than 20%, CF greater than I. 7, and PF greater than .93. HID lamp ballasts shall be high power factor (.90 or greater) type. HID lamps shall be ceramic type. Provide all mounting hardware, adaptors, and accessories as required. UON, center all downlight and wallwasher fixtures on the ceiling tile.
- BUILDING WIRE AND CABLE: All wiring shall be copper, unless otherwise noted as aluminum. Interior wire shall be copper THHN, #12 AWG minimum, Exterior or underground wire shall be XHHW copper, Conductors #10 and #12 shall be solid. Conductors sized larger than #10 shall be stranded. Control and signal wire shall be type TFF copper, min. size #16. Where no wire sizes are shown on plans, provide and install as required by NEC. If no branch circuit wiring interconnection and/or circuit home runs are shown between devices on plans, and if subscript circuit number designations are shown adjacent to the devices, circuit the devices according to subscript notations. Joints and splices in wire shall be made with solderless connectors, and covered so that insulation is equal to conductor insulation. Wire nuts shall not be used for conductors #8 and larger. No splices shall be pulled into conduit. Both conductors and conduit shall be continuous from outlet to outlet. All conduits shall have bushings, with smooth beveled throats installed at both ends, prior to installing conductors. Circuits may be combined, if conduit sizes are adjusted where necessary, and if NEC derating factors are observed. Type MC cable may be used, as permitted by Article 330 of NEC. Type NM cable may be used, as permitted by Article 334 of NEC.
- CONDUIT: All raceways shall be a minimum 1/2" diameter. Use EMT for general interior work, when conduit must be installed exposed. RGS or IMC shall be used in floor slabs, where embedded in concrete, areas exposed to moisture, areas in danger of mechanical injury and hazardous areas, PVC Schedule 40 (3/4" minimum diameter) shall be used below grade with steel transitions through slabs. Use flexible metal conduit connections to motors, transformers, and other vibrating equipment. Exterior flex shall be liquidtight. EMT conduit fittings shall be compression type. Where no raceway sizes are shown on plans, provide and install as required by NEC. All exposed conduit shall be painted to match surface upon which it is installed. Interior wiring, as shown on plans, will typically be concealed in ceilings, walls, or floors, where possible, except in mechanical/electrical rooms, janitor closets, unfinished rooms, and other such rooms where conduits are typically exposed, and unless otherwise noted. Unless otherwise approved by the Architect, the installation of exposed conduit runs mounted to outside of exterior walls shall be kept to a minimum. Horizontal and vertical conduit runs which serve exterior components shall be concealed within interior walls or above ceilings. All interior conduit to be EMT. MC cable is permitted above accessible ceilings for lighting whips but limited to 6'-0" runs.
- DEVICE PLATES: Cover plates shall be smooth nylon with color matching devices. Verify color with FF&E Finish Schedule on Architectural plans. For unfinished areas with exposed conduit, cover plates shall be galvanized steel with beveled edges.
- FUSES: Class RK-1 time delay fuses shall be used for protecting circuit breakers; Bussman Limitron, or equal. Class RK-5 time delay fuses shall be used for protection of motors and transformers; Bussman Fusetron, or equal. Fuses shall be rated for 200K AIC at rated voltage.
- OUTLET BOXES: Except as noted, boxes shall be standard galvanized or sheradised, at least 1-1/2 inches deep or as noted in plans, and of metal at least 1/16 inch thick. Plastic boxes which are at least 1/16 inch thick and at least 1-1 /2 inches deep, or as noted on plans, are also permitted. Boxes shall be sized to accommodate devices and conductors as per NEC Article 370. Coordinate depth with wall construction. Boxes used with exposed conduit shall be 4-inch square utility boxes. Exterior boxes shall be galvanized cast-iron with gaskets and appropriate fittings. Boxes shall be provided with approved 3/8" fixture studs where required. Except where located in concrete block, switch and receptacle boxes shall be 4" square for single gang installation. Appropriate gang boxes shall be used for mounting ganged switches. All outlet box openings shall be sealed with listed putty
- WIRING DEVICES: Switches shall be A.C. type as made by Hubbell, Pass & Seymour, General Electric, or Leviton. Receptacles shall be by Hubbell, Bryant, Pass & Seymour, General Electric, or Leviton. Color shall be selected by FF&E Finish Schedule on Architectural plans. Provide matching plugs for special purpose receptacles when required for connecting equipment. All receptacles in toilets, within six (6) feet of sinks, in commercial kitchens, and in exterior locations shall be GFCI type. Additionally, exterior receptacles shall be listed
- SAFETY SWITCHES AND DISCONNECTS: Safety switches and disconnect switches shall be Type HD by Cutler-Hammer, Square D, or General Electric. Locate disconnects adjacent to equipment on suitable structure. A disconnect shall not be required other than the CB which provides power to equipment when equipment is within sight and not greater than 50 feet from CB. Verify disconnect size from equipment nameplate data. Mount disconnects for outside HVAC units no higher than height of unit and shall be accessible.
- 20. GROUNDING: All equipment shall be grounded and bonded in accordance with local regulations and National Electrical Code. Install a green equipment grounding conductor in all raceways. . COLOR CODING OF CONDUCTORS: Color code conductors in accordance with the NEC and with standard
- 22. OUTLET BOX MOUNTING HEIGHTS: Unless otherwise noted, Wall Switches (general): 44" AFF; Receptacles:
- 18" AFF. All mounting heights noted on plans are measured to the top of outlet boxes. 23. VERIFY: The word "verify" when used in plans shall mean to verify location and wiring requirements before circuiting and to circuit in accordance with the manufacturcr1s recommendations and in compliance with the
- 24. DATA, CABLE TV, AND TELEPHONE: For data outlets, cable TV outlets, and telephone outlets, the wiring, jacks, and faceplates shall be provided by the Contractor, unless otherwise noted. Mount individual data outlets. cable TV outlets, and telephone outlets at exactly the same height as receptacles, unless noted otherwise.

26. PANELBOARDS: Panelboards shall be of a dead-front safety type equipped with thermal magnetic molded case circuit breakers with frame and trip ratings as shown on the schedule. Circuit breakers shall be quick-make, quick-break, thermal magnetic trip indicating and shall have common trip on all multiple breakers. Connection to the buss shall be bolt on. Terminals for feeder conductors to the panelboard mains and neutral shall be UL listed as suitable for the type of conductor specified. Terminals for branch circuit wiring, both breaker and neutral, shall be UL listed as suitable for the type conductor specified. Panelboards not shown to be rated for service entrance equipment shall be equipped with an isolated neutral and a grounding buss. The panelboard front shall be of the hinged front type with doors equipped with flush, brushed steel, cylinder tumbler-type locks with catches and spring-loaded door pulls. The flush lock shall not protrude beyond the front of the door. All panelboard locks shall be keyed alike. A circuit directory frame and card with a clear plastic covering shall be provided on the inside of the door. Panelboards shall be rated for use as Service Entrance Equipment where required by NEC. For all flush-installed house panelboards which serve common building spaces, install five spare empty 3/4" conduits stubbed to the above ceiling space. Panelboards shall be by

General Electric, Square D, or Cutler-Hammer. Load.centers shall not be used unless indicated on plans.

- 7. NEC: "NEC" refers to the 2020 edition of the National Electrical Code. 28. EXTERIOR/WET LOCATION EQUIPMENT: All exterior enclosures or enclosures exposed to moist conditions shall be rated NEMA 3R or rated for use in damp or wet locations, as each case requires. All equipment labeled with "WP" on Plans shall be rated for use in wet locations or provided with a listed weatherproof enclosure in accordance with NEC Article 406.9(B).
- 29. UNDERGROUND INSTALLATIONS: Where conduit is installed below grade, the minimum burial depth shall be 24", unless installed under building slab (where there is no minimum burial depth). Where rigid conduit is installed below grade, coat conduit and couplings with (2) coats of asphaltum paint. Underground primary conduit, installed in coordination with power company, shall be installed at a depth as directed by power company. Avoid all existing utilities. Any existing utilities damaged shall be repaired at Contractor1s expense and as directed by Architect. Restore any damaged paving to match existing.
- 10. IDENTIFICATION: Provide I" high laminated phenolic nameplates, permanently installed, with 3/8" high white letters on black, on the front of all disconnect switches, CB enclosures, panelboards, contactors, transformers, transient voltage surge suppressors, starters, and other similar typical electrical equipment enclosures, when shown as labeled on Plans.
- 11. CLEAN UP: During the progress of work, keep the Owner's premise in a neat and orderly condition, free from accumulation of debris resulting from this work. At the completion of the work, remove all material, scrap, etc. not a part of this Contract.
- 32. OPERATION AND MAINTENANCE INSTRUCTIONS: Submit one set of all equipment catalogs and maintenance data to the Architect. Explain and demonstrate the electrical systems to Owner and/or Owner's representative.
- 33. DRAWING LINEWEIGHTS: Items shown with bold/thick lineweight indicate work to be performed as part of this Contract. Items shown with screened/thin lineweight are existing to remain or by others. Items shown with screened/thin lineweight, which arc also shown with associated bold/thick lineweight text or notes, or items that are shown with bold/thick lineweight and labeled as existing, are existing and shall be modified as indicated in
- 4. ADDITIONAL SPECIFICATIONS: See "booklet" Specifications Sections, included with these Drawings, which additionally constitute as an integral part of these Plans.

ELECTRICAL GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS, MOUNTING HEIGHTS OF EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE COORDINATE WITH THE EQUIPMENT REQUIREMENTS AND FIELD CONDITIONS. REFERENCE COMPLETE CONSTRUCTION DOCUMENTS (ARCHITECTURAL, MECHANICAL, PLUMBING, AND STRUCTURAL) PRIOR TO COMMENCING WORK FOR ADDITIONAL INFORMATION AND REQUIREMENTS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT THE OWNER'S/ARCHITECT'S ATTENTION BEFORE
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE ELECTRICAL WORK COMPLETE AND READY FOR OPERATION. CONTRACTOR SHALL PROVIDE CONNECTIONS TO OWNER, CONTRACTOR, OR OTHER PARTY'S EQUIPMENT AND DEVICES, UNLESS OTHERWISE NOTED. ON THE DAY OF SPECIALTY EQUIPMENT INSTALLATION, THE ELECTRICIAN MUST BE ON SITE TO MAKE FINAL CONNECTIONS WHERE NECESSAR
- THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED PROJECT TO INSPECT THE EXISTING CONDITIONS AND DETERMINE THE SCOPE OF HIS WORK AND THE EXTENT OF DEMOLITION. THE SITE INSPECTION SHALL BE MADE PRIOR TO SUBMITTING BID FOR THE PROPOSED PROJECT. NO COMPENSATION WILL BE ALLOWED FOR FAILURE TO INSPECT THE SITE. CONTRACTOR SHALL INFORM ARCHITECT PRIOR TO BIDDING OF DISCREPANCIES WHICH EXISTING BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS REFER TO RISER DIAGRAM FOR FEEDER SIZES FOR PANELBOARDS.
- CONTRACTOR SHALL REVIEW CONSTRUCTION DOCUMENTS TO IDENTIFY MISCELLANEOUS POWER REQUIREMENTS AND PROVIDE CIRCUITING AS REQUIRED. COORDINATE POWER REQUIREMENTS WITH OTHER INSTALLERS. MISCELLANEOUS POWER REQUIREMENTS FOR CONTROL PANELS AND SMALL EQUIPMENT IS MANUFACTURER DEPENDENT AND MAY NOT BE SHOWN OR WILL BE DEFINED BY OTHERS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHT FIXTURES. FINAL AIMING OF ALL ADJUSTABLE LIGHT FIXTURES TO BE AS DIRECTED BY ARCHITECT. CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW LIGHTING FIXTURES. RECEPTACLES, PANELBOARDS.
- ETC. WITH EXISTING STRUCTURE PIPING, ETC. AND MAKE ADJUSTMENTS AS REQUIRED. 9. EDGE OF LIGHT SWITCH WALL PLATE SHALL BE NOT MORE THAN 4" AWAY FROM METAL/WOOD DOOR FRAME. TYPICAL FOR SINGLE OR MULTIPLE WALL SWITCHES.
- 10. COORDINATE ALL LIGHTING CONTROL SENSOR LOCATIONS AND MAKE NECESSARY ADJUSTMENTS PER MANUFACTURER RECOMMENDATIONS AND FIELD CONDITIONS. CONTRACTOR SHALL COORDINATE WITH OWNER/ARCHITECT A POST OCCUPANCY TIME TO ADJUST ALL LIGHTING SENSORS
- 1. OVERCURRENT PROTECTION, WIRE SIZE, AND NUMBER OF CONNECTION POINTS FOR MECHANICAL HVAC EQUIPMENT IS FOR ITEMS SPECIFIED. COORDINATE WITH MECHANICAL CONTRACTOR AND MAKE NECESSARY CHANGES PRIOR TO INSTALLATION FOR ACTUAL EQUIPMENT FURNISHED AT NO COST TO OWNER. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT. REFER TO HVAC/ELECTRICAL SCHEDULE FOR WIRING INFORMATION.
- 12. PROVIDE A SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT. DO NOT SHARE NEUTRALS. 13. ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT ELECTRICAL REQUIREMENT OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH THE MECHANICAL AND PLUMBING CONTRACTORS PRIOR TO PURCHASING EQUIPMENT, VERIFY THE ELECTRICAL REQUIREMENTS WITH THE EQUIPMENT FURNISHED (NAME PLATE INFORMATION) AND MAKE CORRECTIONS AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. COORDINATE EQUIPMENT LOCATIONS WITH MECHANICAL/PLUMBING DRAWINGS AND CONTRACTORS PRIOR TO ROUGH-IN.
- 14. COORDINATE ALL 120V EXHAUST FAN CONTROLS WITH MECHANICAL PRIOR TO ROUGH-IN. 15. PROVIDE FINISHED COVERPLATES FOR ALL JUNCTION BOXES. ALL JUNCTION BOXES AND COVERPLATES SHALL BE LABELED WITH BRANCH CIRCUIT ORIGINATION AND BREAKER POSITION.
- 16. CONFIRM MOUNTING HEIGHTS AND COORDINATE LOCATION OF ALL OUTLETS, SWITCHES, AND OTHER DEVICES WITH ARCHITECTURAL ELEVATIONS (FURNITURE LAYOUT, EQUIPMENT DRAWINGS, ETC.) PRIOR TO ROUGH-IN. 17. ALL WIRING SHALL BE IN EMT CONDUIT UNLESS NOTED OR APPROVED OTHERWISE.
- 18. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A PULL STRING. 19. COORDINATE EXACT LOCATION AND COVER TYPE (CARPET, TILE, OR WOOD) FOR ALL FLOOR BOXES WITH ARCHITECT PRIOR TO ROUGH-IN.
- 20. WHERE NOTED, WIRE AND CONDUIT SIZE INDICATED ON HOMERUNS SHALL BE CONTINUOUS THROUGH CIRCUIT. 21. A GROUNDING CONDUCTOR SHALL BE INCLUDED IN EACH RACEWAY OR CABLE, SIZED IN ACCORDANCE WITH
- 22. PROVIDE SCALED DRAWINGS OF ALL ELECTRICAL ROOMS TO THE ELECTRICAL ENGINEERS FOR APPROVAL PRIOR TO ORDERING EQUIPMENT. DRAWINGS MUST INSURE PROPER CLEARANCES ARE BEING MAINTAINED PER THE NEC WITH ACTUAL EQUIPMENT BEING INSTALLED. TYPICAL FOR ALL NEW AND EXISTING ELECTRICAL
- 23. TERMINATIONS (LUGS, TERMINAL BLOCKS, ETC.) IN CIRCUIT BREAKERS, DISCONNECT SWITCHES, LIGHTING CONTACTORS, RELAYS, PANELBOARDS, TIME SWITCHES, ETC. SHALL BE RATED FOR 75C IN TEMPERATURE. IF TERMINATIONS IN EQUIPMENT SUCH AS EXHAUST FANS, WATER HEATERS, AIR CONDITIONING UNITS, TEC. ARE RATED FOR 60C ONLY, THEN CONDUCTORS MUST BE DE-RATED AND USED IN COMPLIANCE WITH TABLE 310-16 OF CURRENT NEC AND SIZED FOR THE 60C COLUMN.
- 24. BRANCH CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN NO.12 AND WHERE BRANCH CIRCUIT CONDUCTOR RUNS FROM SOURCE (PANEL) TO THE LAST DEVICE ON THE CIRCUIT EXCEEDS 100FT. IN LENGTH, THE CONDUCTORS SHALL BE NO.10 MINIMUM AND FOR THE ENTIRE LENGTH OF THE CIRCUIT. FOR RUNS OVER 200FT. IN LENGTH THE CONDUCTOR SHALL BE NO.8 MINIMUM AND FOR THE ENTIRE LENGTH OF THE CIRCUIT. THE ABOVE APPLIES TO 120V CIRCUITS ONLY.
- 25. BRANCH CIRCUITING WIRES SHALL NOT PASS THROUGH ELECTRICAL DEVICES (PANELS, DISCONNECT. SWITCHES, CONTRACTORS, ETC.) OTHER THAN THOSE DESIGNED FOR THE USE AS A JUNCTION BOX.
- 26. WIRE NUTS ARE NOT PERMITTED WITHIN THE ELECTRICAL PANEL OR ELECTRICAL DEVICES. ALL WIRING SHALL BE PULLED AT REQUIRED LENGTHS WITHOUT SPLICING WITHIN ELECTRICAL PANELS AND OTHER ELECTRICAL 27. BACK TO BACK RECEPTACLES IN ALL FIRE RATED WALLS SHALL BE INSTALLED PER THE INTERNATIONAL
- BUILDING CODE (IBC 2018) 28. PROVIDE ARC FLASH LABELING FOR ELECTRICAL EQUIPMENT PER NEC AND NFPA 70E. 29. CONTRACTOR SHALL ASSURE THAT ALL WORK CLEARANCES PER THE NEC ARE MET OR EXCEEDED WITH EQUIPMENT FURNISHED PRIOR TO ROUGH-IN. NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH THE
- FLECTRICAL PLANS 30. PROVIDE SEISMIC BRACING PER THE INTERNATIONAL BUILDING CODE (IBC 2018, CHAPTER 13). 31. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH OSHA, THE NATIONAL ELECTRICAL CODE, AND LOCAL GOVERNING AUTHORITIES.

GFCI NOTES:

ALL 15A/20A. 125V THROUGH 250V RECEPTACLES INSTALLED IN LOCATIONS SPECIFIED IN NEC 210.8 (A) (1-11) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTOER PROTECTION FOR PERSONNEL, GA AMENDMENTS OMIT 250V REQUIREMENT AND ONLY REQUIRE 125V PROTECTION. GFCI RECEPTACLES SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 210.8 AND BE READILY ACCESSIBLE. FOR EQUIPMENT THAT WOULD HAVE TO BE MOVED TO RESET THE RECEPTACLE PER THE NEC DEFINITION, A GFCI BREAKER SHALL BE UTILIZED IN LIEU OF A

LIGHTING CONTROL GENERAL NOTES:

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND AIM SENSORY IN THE CORRECT LOCATION REQUIRED FOR A COMPLETE AND PROPER VOLUMETRIC COVERAGE WITHIN THE RANGE OF COVERAGE(S) OF CONTROLLED AREAS PER THE MANUFACTURER'S RECOMMENDATIONS, ROOMS SHALL HAVE (90) TO ONE HUNDRED (100) PERCENT COVERAGE TO COMPLETELY COVER THE CONTROLLED AREA TO ACCOMMODATE ALL OCCUPANCY HABITS OF SINGLE OR MULTIPLE OCCUPANTS AT ANY LOCATION WITHIN THE ROOM(S). THE LOCATIONS AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY AND COMPLETELY COVER THE
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE A PRE-INSTALLATOIN MEETING WITH THE MANUFACTURER'S FACTORY AUTHORIZED REPRESENTATIVE. AT THE OWNER'S FACILITY, TO VERIFY PLACEMENT OF SENSORS AND INSTALLATION CRITERI PROPER JUDGEMENT MUST BE EXERCISED IN THE EXECUTING THE INSTALLATION SO AS TO ENSURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE AND TO
- OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATION OR INTERFERENCE OF STRUCTURAL COMPONENTS. THE CONTRACTOR SHALL ALSO PROVIDE AT THE OWNER'S FACILITY, THE TRAINING NECESSARY TO FAMILIARIZE THE OWNER'S PERSONNEL WITH THE OPERATION, USE, ADJUSTMENT, AND PROBLEM SOLVING
- DIAGNOSIS OF THE OCCUPANCY SENSING DEVICES AND SYSTEMS. ALL SENSOR LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
- ALL ULTRASONIC CEILING MOUNTED SENSORS SHALL BE LOCATED A MINIMUM OF 6'-0" FROM HVAC SUPPLY AND RETURN DIFFUSERS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SENSITIVITY AND THE TIME DELA SETTINGS. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH ALL LOCAL AND
- UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURE'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERITY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE A
- TROUGLE-FREE OCCUPANY-BASAED LIGHTING CONTROL SYSTEM. THIS SERVICE IS PROVIDED AT NO ADDITIONAL COST. THE ELECTRICAL CONTRACTOR SHALL PROVIDE BOTH THE MANUFACTURER AND THE ELECTRICAL ENGINEER WITH TEN WORKING DAYS WRITTEN NOTICE OF THE
- SCHEDULED COMMISSIONING DATE. UPON COMPLETION OF THE SYSTEM FIN-TUNING THE FACTORY AUTHORIZED TECHNICIAN SHALL PROVIDE THE PROPER TRAINING TO THE OWNER'S PERSONNEL IN THE ADJUSTMENT AND MAINTENANCE OF THE SENSORS SUBMIT SHOP DRAWINGS INDICATING SENSOR LOCATIONS AND COVERAGE PATTERN

TAMPER-RESISTANT RECEPTACLE NOTES:

- ALL 15A/20A, 125V & 250V NON-LOCKING TYPE RECEPTACLES LISTED BELOW REQUIRE UL LISTED TAMPER RESISTANT RECEPTACLES.
- DWELLING UNITS IN ALL AREAS SPECIFIED IN 210.52 & 550.13.
- GUEST ROOMS AND GUEST SUITES OF HOTELS AND MOTELS.
- CHILD CARE FACILITIES

USED FOR REPLACEMENTS AS PERMITTED IN 406.4(D)(2)(a).

- PRESCHOOLS AND ELEMENTARY EDUCATION FACILITIES. BUSINESS OFFICES, CORRIDORS, WAITING ROOMS, AND THE LIKE IN CLINICS, MEDICAL
- AND DENTAL OFFICES AND OUTPATIENT FACILITIES. SUBSET OF ASSEMBLY OCCUPANCIES DESCRIBED IN 518.2 TO INCLUDE PLACES OF WAITING TRANSPORTATION, GYMNASIUMS, SKATING RINKS, AND AUDITORIUMS.
- EXCEPTIONS: RECEPTACLES LOCATED MORE THAN 5-1/2' ABOVE THE FLOOR, RECEPTACLES THAT ARE PART OF A LUMINAIRE OR APPLIANCE, A SINGLE RECEPTACLE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES LOCATED WITHIN TH DEDICATED SPACE FOR EACH APPLIANCE THAT, IN NORMAL USE, IS NOT EASILY

MOVED FROM ONE PLACE TO ANOTHER AND THAT IS CORD-AND-PLUG CONNECTED IN

ACCORDANCE WITH 400.10(A)(6), (A)(7), OR (A)(8), NON-GROUNDING RECEPTACLES

FIRE ALARM GENERAL NOTES:

- FIRE ALARM SUBCONTRACTOR SHALL PREPARE ENGINEERED FIRE ALARM PERMIT AND CONSTRUCTION DRAWINGS. THESE DRAWINGS SHALL INCLUDE PANEL AND DEVICE SPECIFICATIONS, CIRCUITING, VOLTAGE DROP AND BATTERY CALCULATIONS VERIFY FIRE ALARM DEVICES ARE COMPATIBLE TO EXISTING FIRE ALARM SYSTEM IF APPLICABLE. ADDITIONAL DEVICES SHALL BE ADDED AS NECESSARY FROM VOLTAGE DROP AND BATTERY CALCULATIONS. SUBCONTRACTOR'S DRAWINGS SHALL INCLUDE ALL DEVICES NECESSARY FOR A COMPLETE ADDRESSARI F FIRE ALARM SYSTEM A REQUIRED BY NFPA 72 & NFPA 101. DEVICES SHOWN ON THESE DRAWINGS INDICATE INTENT OF FIRE ALARM SCOPE FOR BIDDING PURPOSES, ELECTRICAL CONTRACTO SHALL COORDINATE WITH THE FIRE ALARM ENGINEER'S DRAWINGS AND PROVIDE AL BACEWAY, BOXES, AND POWER REQUIRED FOR THEIR SPECIFIED SYSTEM, DEVICE LOCATIONS AND NUMBER MAY DIFFER FROM WHAT IS SHOWN ON THESE PLANS. NO ADDITIONAL COST SHALL BE PASSED ON TO THE OWNER FOR INCORPORATING THESE DEVICES AS IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE FIRE ALARM ENGINEER
- FIRE ALARM SYSTEM AND ALL ASSOCIATED OPERATIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING::
 - A. GEORGIA ACCESSIBILITY CODE
 - **INTERNATIONAL FIRE CODE (2018)**
- C. NFPA 70, NATIONAL ELECTRICAL CODE (2020) INTERNATIONAL BUILDING CODE (2018)
- INTERNATIONAL MECHANICAL CODE (2018) F. OTHER APPLICABLE NFPA STANDARDS
- AUDIBLE/VISUAL SIGNAL APPLIANCES SHALL COMPLY WITH THE REQUIREMENTS OF RULE 120-3-20-,39 OF THE STATES ACCESSIBILITY CODE AND NFPA 72. PROVIDE SEAL FOR PENETRATION OF FIRE RATED WALLS BY CONDUIT ALL STROBES AND SPEAKER/STROBES SHALL HAVE SWITCH SELECTABLE CANDELA
- (15.30.60.75, AND 110 CANDELA), AT TIME OF INSTALLATION SET ALL STROBES AND HORN/STROBES TO 110 CANDELA UNI ESS OTHERWISE NOTED ON THE DRAWINGS BY SUBSCRIPT ADJACENT TO THE DEVICE SYMBOL. STATE ADA CODE REQUIRES A MINIMUM OF 75 CANDELA AT ALL LOCATIONS.
- MOUNT ALL STROBES AND SPEAKER/STROBES AT 80 INCHES AFF OR 6 INCHES FROM THE CEILING, WHICHEVER IS LOWER. ALL HVAC DUCT MOUNTED SMOKE DETECTORS TO BE LOCATION ON THE EXTERIOR
- OF ASSOCIATED DUCT WORK AND WITH EASY ACCESS PROVIDED FOR SERVICING AND ALL WIRING SHALL BE INSTALLED IN EMT CONDUIT.
- PROVIDE FIRE ALARM CONNECTION TO ALL SUPPRESSION SYSTEMS.). PROVIDE SITE PROTECTION TO PIV.
- . PROVIDE THE COUNTY STANDARD FIRE ALARM SYSTEM FIRE-LITE.

DEMO PLAN GENERAL NOTES:

- A. DEMOLISH ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, COMPONENTS, WIRING CONDUIT/RACEWAY, BOXES AND ASSOCIATED FITTINGS, SUPPORTS AND ACCESSORIES INCLUDING RECEPTACLES, SWITCHES LIGHT FIXTURES, TELEPHONE OUTLETS, DATA OUTLETS, LOW-VOLTAGE AND AUXILIARY SYSTEM DEVICES, AND AN' OTHER EXISTING MISCELLANEOUS ELECTRICAL EQUIPMENT FROM WALLS OR CEILINGS BEING REMOVED.
- COORDINATE ALL SALVAGE REQUIREMENTS WITH THE OWNER PRIOR TO DEMOLITION ALL DEMOLITION SHALL BE IN ACCORDANCE WITH EPA GUIDELINES AND LOCAL
- REQUIREMENTS. ABANDON CONCEALED OR BURIED EXISTING CONDUIT WHICH CANNOT BE REMOVED
- WITHOUT DAMAGE TO EXISTING WALLS, FLOORS, OR CEILINGS WHICH ARE TO IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE PRIOR TO
- BIDDING TO VERIFY THE EXTENT OF DEMOLITION WORK REQUIRED. PROVIDE ANY REPAIRS. PATCHING. AND PAINTING FOR ANY ROOM OR EXTERIOR SURFACES, INCLUDING WALLS, CEILINGS, AND FLOORS THAT IS REQUIRED AS A RESULT OF DEMOLITION, AFTER REPAIRS, PATCHING, AND PAINTING ARE COMPLETE ALL NEW SURFACES SHALL MATCH THE EXISTING, ADJOINING, AND/OR ADJACENT
- OPENINGS REMAINING AS A RESULT OF THE REMOVAL OF EXISTING RECESSED OUTLET BOXES. SWITCH BOXES. AND OTHER ELECTRICAL EQUIPMENT WHICH IS BEING DEMOLISHED WILL BE PATCHED IN ACCORDANCE WITH ARCHITECTURAL PLANS TO MATCH ROOM OR AREA FINISHES. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- ANY EXISTING ELECTRICAL RACEWAY, JUNCTION BOXES, EQUIPMENT, OR DEVICES NO LONGER USED IN THE FACILITY OR SHOWN ON THESE PLANS IS TO BE REMOVED CONDUIT BELOW SLAB OR IN-GRADE CAN REMAIN IN PLACE.

RELEASED FOR CONSTRUCTION

23-001

DATE 00/00/00

REVISIONS

FACILITY CODE



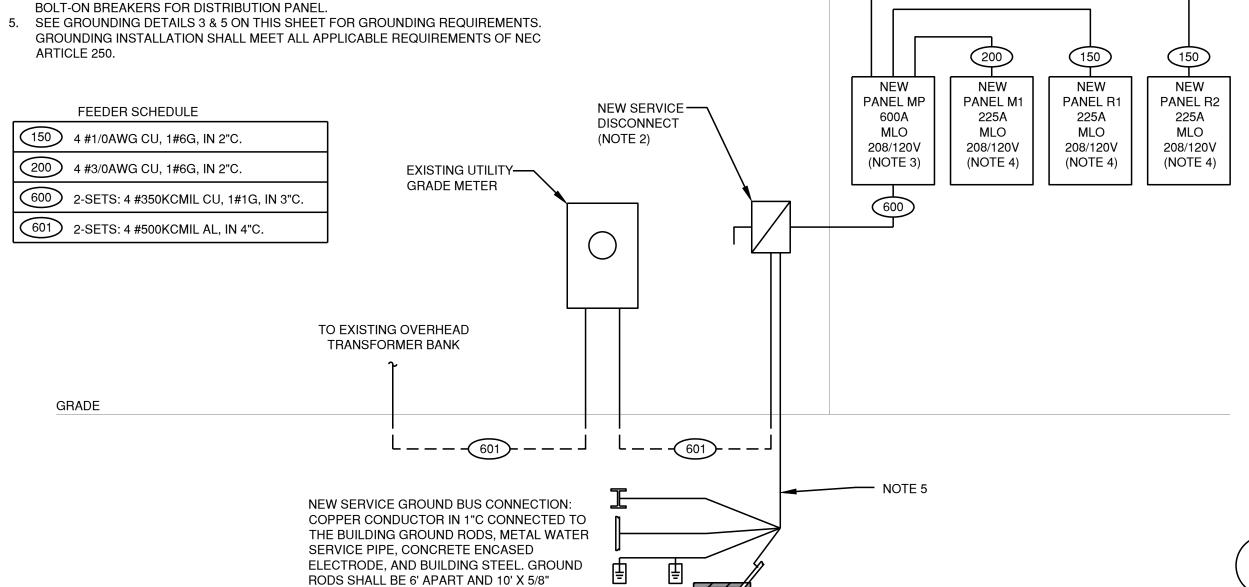
855 ABUTMENT ROAD SUITE FOUR DALTON, GA 30721 TEL. 706.529.5895

SHEET INDEX **ELECTRICAL** NOTES, LEGEND, &

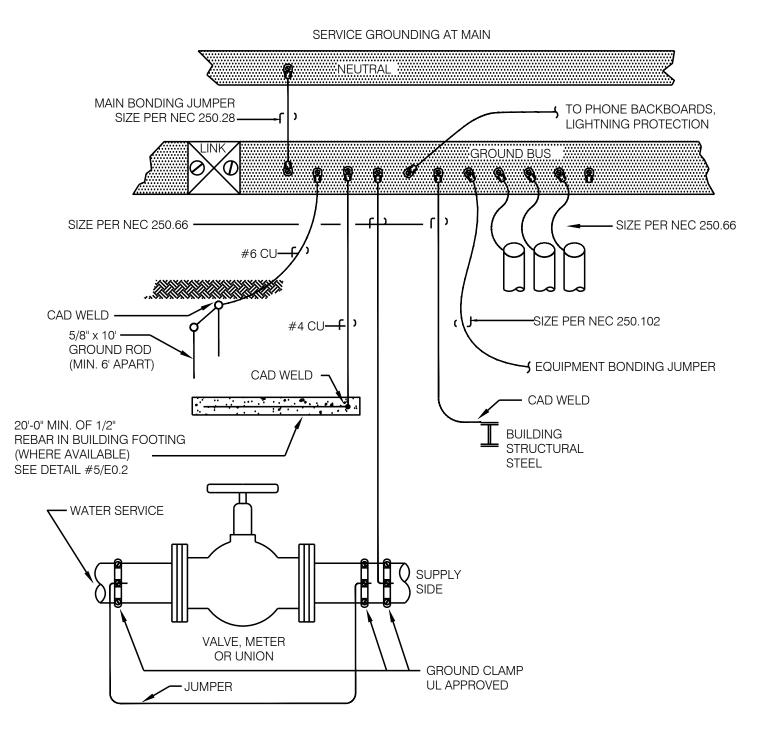
SPECIFICATIONS

RISER DIAGRAM NOTES:

- 1. ALL EQUIPMENT AND OTHER ELECTRICAL MATERIALS/WORK SHOWN IN THE RISER DIAGRAM SHALL BE NEW, LISTED FOR USE, RATED FOR EXTERIOR USE WHERE APPLICABLE, PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- 2. PROVIDE NEW 600A/3PH/208V SERVICE SHOWN FOR THE BUILDING. PROVIDE ALL EQUIPMENT NECESSARY INCLUDING NEMA 3R UTILITY GRADE METER, AND NEMA 3R 600A FUSED DISCONNECT SWITCH RATED FOR SERVICE ENTRANCE, LABEL NEW DISCONNECT "SERVICE DISCONNECT" AND LABEL THE UTILITIES AVAILABLE FAULT VALUE WITH ENGRAVED NAME PLATES. COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY. COORDINATE WITH UTILITY ON AVAILABLE FAULT CURRENT ON TRANSFORMER OUTPUT TERMINALS AND PROVIDE ALL NEW EQUIPMENT WITH RATINGS THAT EXCEED THIS VALUE. RETURN EXISTING DISCONNECT TO OWNER.
- 3. PROVIDE NEW 600A MLO/3PH/208V PANEL WITH TIN PLATED COPPER BUS AND UTILIZE BOLT-ON BREAKERS FOR MAIN PANEL.
- 4. PROVIDE NEW 225A MLO/3PH/208V PANEL WITH TIN PLATED COPPER BUS AND UTILIZE

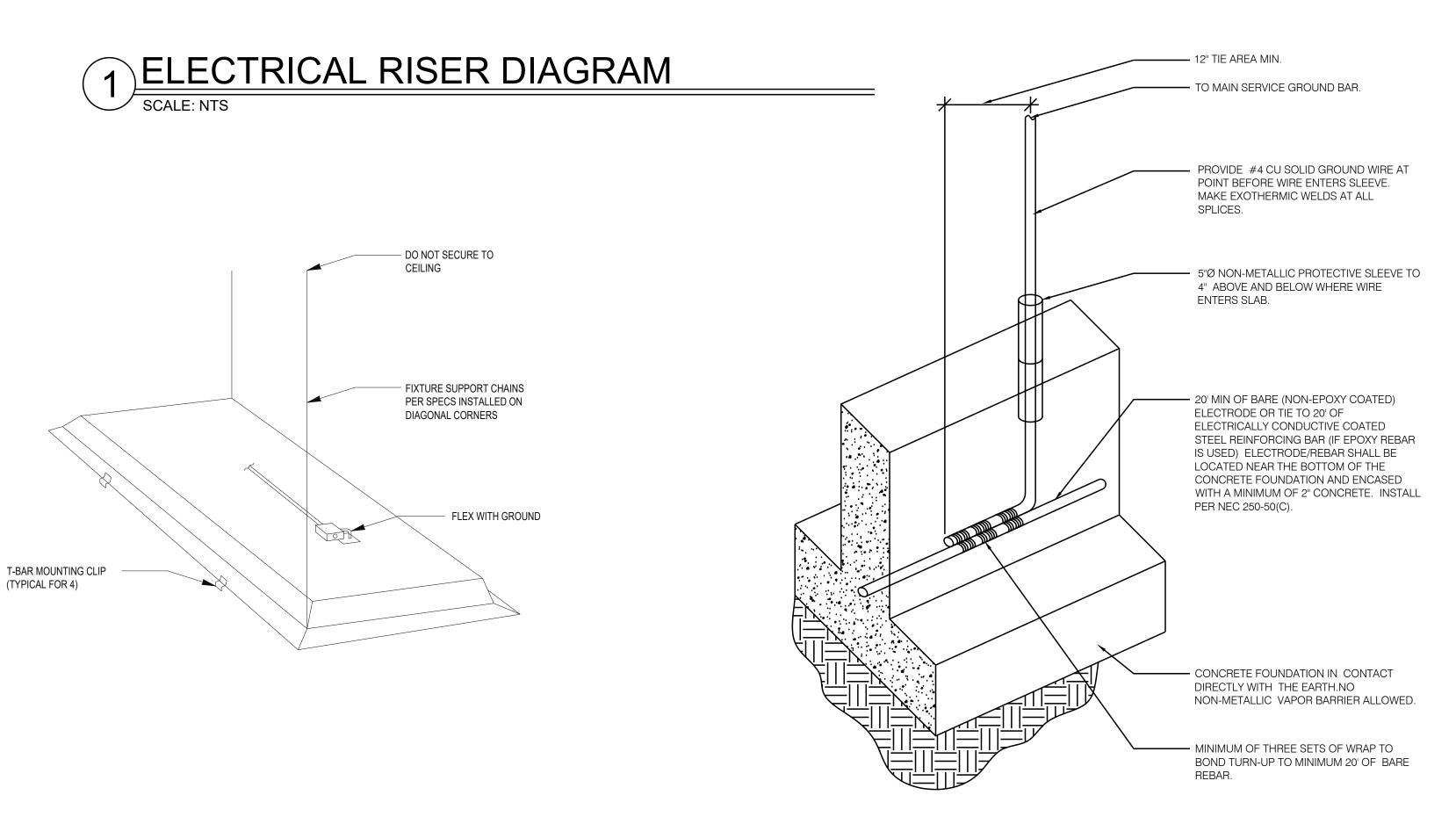


EXTERIOR STORAGE ROOM



NEUTRAL/ GROUND DIAGRAM

3 EXTERIOR TIME CLOCK DETAIL
SCALE: NTS



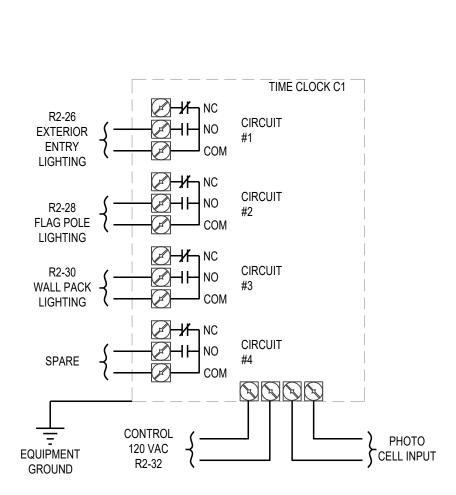
TROFFER HANGING DETAIL

5 CONCRETE ENCASED ELECTRODE DETAIL

SHEET INDEX ELECTRICAL

DETAILS

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NO.

855 ABUTMENT ROAD SUITE FOUR DALTON, GA 30721 TEL. 706.529.5895

RELEASED FOR CONSTRUCTION

				MEC	HAN	NICAI	L EQ	UIP.	MEN 7	SCHED	ULE										
																		DISCO	ONNECT	(NOTE 1)	
EQUIPMENT NAME	LOCATION / SERVES	VOLTAGE	PHASE	НР	KW	KW / POLE	FLA	MCA	MOCP	BREAKER AMPACITY	PANEL		FEE	DER			SIZE	POLES	FUSE SIZE	ENCLOSURE	CONTROL
HP-1	EXTERIOR	208	1			1.97	19.0	23.7	40	40	M1-5,7	2 # 8	,1#	10 G	i- 3/4	"C.	60	2	NF	NEMA 3R	BY DIVISION 15
HP-2	EXTERIOR	208	1			1.35	13.0	16.2	25	25	M1-25,27	2 # 10	,1#	10	i- 1/2	"C.	30	2	NF	NEMA 3R	BY DIVISION 15
HP-3	EXTERIOR	208	1			1.35	13.0	16.2	25	25	M1-29,31	2 # 10	,1#	10	5- 1/2	"C.	30	2	NF	NEMA 3R	BY DIVISION 15
HP-4	EXTERIOR	208	1			2.48	23.8	29.8	50	50	M1-1,3	2 # 6	,1#	10	i- 3/4	"C.	60	2	NF	NEMA 3R	BY DIVISION 15
HP-5	EXTERIOR	208	1			1.97	19.0	23.7	40	40	M1-9,11	2 # 8	,1#	10 G	3/4	"C.	60	2	NF	NEMA 3R	BY DIVISION 15
HP-6	EXTERIOR	208	1			1.97	19.0	23.7	40	40	M1-13,15	2 # 8	,1#	10 G	i- 3/4	"C.	60	2	NF	NEMA 3R	BY DIVISION 15
AHU-1	MECH 142	208	1			0.45	4.3	5.4	15	15	M1-2,4	2 # 12	,1#	12	i- 1/2	"C.	30	2	NF	NEMA 1	BY DIVISION 15
AHU-1 HEAT	MECH 142	208	1		8.0	4.00			60	60	MP-7,9	2 # 4	,1#	10 G	i- 1	"C.	60	2	NF	NEMA 1	BY DIVISION 15
AHU-2	MECH 142	208	1			0.45	4.3	5.4	15	15	M1-6,8	2 # 12	,1#	12 0	i- 1/2	"C.	30	2	NF	NEMA 1	BY DIVISION 15
AHU-2 HEAT	MECH 142	208	1		8.0	4.00			60	60	MP-11,13	2 # 4	,1#	10 G) - 1	"C.	60	2	NF	NEMA 1	BY DIVISION 15
AHU-3	MECH 144	208	1			0.45	4.3	5.4	15	15	M1-10,12	2 # 12	,1#	12 0	i- 1/2	"C.	30	2	NF	NEMA 1	BY DIVISION 15
AHU-3 HEAT	MECH 144	208	1		8.0	4.00			60	60	MP-15,17	2 # 4	,1#	10	i- 1	"C.	60	2	NF	NEMA 1	BY DIVISION 15
AHU-4	MECH 144	208	1			0.45	4.3	5.4	15	15	M1-14,16	2 # 12	,1#	12 G	i- 1/2	"C.	30	2	NF	NEMA 1	BY DIVISION 15
AHU-4 HEAT	MECH 144	208	1		8.0	4.00			60	60	MP-19,21	2 # 4	,1#	10 G	i- 1	"C.	60	2	NF	NEMA 1	BY DIVISION 15
AHU-5	MECH 143	208	1			0.45	4.3	5.4	15	15	M1-18,20	2 # 12	,1#	12 G	5 - 1/2	"C.	30	2	NF	NEMA 1	BY DIVISION 15
AHU-5 HEAT	MECH 143	208	1		8.0	4.00			60	60	MP-23,25	2 # 4	,1#	10 G	i- 1	"C.	60	2	NF	NEMA 1	BY DIVISION 15
AHU-6	MECH 143	208	1			0.45	4.3	5.4	15	15	M1-22,24	2 # 12	,1#	12	G- 1/2	"C.	30	2	NF	NEMA 1	BY DIVISION 15
AHU-6 HEAT	MECH 143	208	1		8.0	4.00			60	60	MP-27,29	2 # 4	,1#	10 G	i- 1	"C.	60	2	NF	NEMA 1	BY DIVISION 15
HP-7 / WFC-7	DATA/ELEC 139	208	1			1.50	14.4	18.0	25	25	M1-21,23	2 # 10	,1#	10 G	i- 1/2	"C.	30	2	NF	NEMA 3R	BY DIVISION 15
EWH	JANIT OR 138	208	1		6.0	3.00			40	40	M1-17,19	2 # 8	,1#	10	3/4	"C.	60	2	NF	NEMA 1	BY DIVISION 15
ēF	RESTROOMS/JANITOR	120	1			0.02	0.2		20	20	SEE PLANS	2 # 12	,1#	12 6	i- 1/2	"C.		MOTO	R RATE	D SWIT CH	BY DIVISION 15

		LIGHTING FIXTURE	SCHEDULE						
FIXTURE DESIGNATION	GENERIC DESCRIPTION	MANUFACTURER AND CATALOG NUMBER	ALLOWANCE	COLOR	MOUNT ING/ HEIGHT	VOL T AGE	LAMP	COLOR TEMP.	WATTAGE
A	2X4 RECESSED LED TROFFER	METALUX CAT# 24FPSL2SCT3		WHITE	RE CESSED	120	ADJ LED	3500K	56.3
В	2X2 RECESSED LED TROFFER	METALUX CAT# 22FPSL2SCT3		WHITE	RECESSED	120	ADJ LED	3500 K	31
С	6" RECESSED LED DOWNLIGHT	PORT FOLIO CAT# LD6B20D010-EU6B10208035-6LBM0H		WHITE	RECESSED	120	2000LM LED	3500K	20
D	4' LINEAR LED STRIP	METALUX CAT# 4SRL-LD5-33SL-LN-UNV-L835-CD1-U		WHITE	SURFACE	120	3400LM LED	3500K	24
F	15" RECESSED LED DOWNLIGHT	MCRGRAW EDISION CAT#LRCB16-1-LEDE1-WST		WHITE	RECESSED	120	3000LM LED	4000L	37
SC	GROUND SPOT	BEGA #77040 GROUND MOUNT W/CONCRETE BASE AND 1/2" NPS J-BOX COVER		STAINLESS STEEL	GROUND	120	1867LM LED	4000K	36.2
V	VANIT Y FIXTURE	SHAPER CAT# 60525W-L3/830-UNV-ALP		WHITE	WALL	120	2000LM LED	3000K	20
WF	EXTERIOR WALL PACK	LUMARK CAT#LDWP-GL-6B-120V-PE BPC PHOT OCELL OPTION		BRONZE	SURFACE	120	5800LM LED	4000K	46
WP	EXTERIOR WALL PACK	MCRGRAW EDISION CAT# IST-SA1D-740-U-T3-BZ BPC PHOTOCELL OPTION MOUNT ABOVE ARCH CENTERED		BRONZE	SURFACE	120	5700LM LED	4000K	49.5
X0	INTERIOR EGRESS FIXTURE	SURE LITES CAT#AP2SQLED		WHITE	SURFACE	120	LED		1.8
X1	EXIT SIGN	SURE LITES CAT# APC SERIES APCH7RSQ ARROWS AND FACES PER THE PLANS PROVIDE REMOTE HEADS WHERE SHOWN/ OMIT IF NOT INDICATED		WHITE	WALL/CEILING	120	LED		3.4
X2	EXTERIOR EGRESS FIXTURE	SURE LITES CAT# SELDWA29BZSD		BRONZE	WALL	120	LED		1

	CONTRACT	OR PROVIDED EQUIPME	NT SEE VICC	ON SPEC 28.23.00
Description	Make	Mfr part Number	Quantity	Note
Floor-mounted 2-post Telco				Provide the following 3 items in quantities and
rack	СРІ	55053-703	1	lengths as directed by owner
Ladder rack	СРІ	10250-712		12" ladder rack
Wall angle kit	СРІ	11421-712		12" angle kit
Rack mounting plate	СРІ	10595-712		Rack mounting plate
Pro License (Cameras)	Valerus	VLR-VPRO-LIC	21	Single Edge Device new license for Vicon Cameras
Protection Plan (Cameras)	Valerus	VLR-PRO-UPP-5	21	
Recoding Server (Cameras)	Valerus	VLR-4TB-A-RK	1	4TB internal HDD Storage, Rack mount
Outdoor Bullet Camera	Valerus	V2008B-W310MIR	3	8MP
Outdoor Bullet Camera	Valerus	V22105B-W28IR	18	5MP, true WDR, 2.8 mm Fixed lens, IR
Backbox (Cameras)	Valerus	V2100B-Box	21	
30" CPU Flatscreen monitor				
and keyboard			1	Compatible with recording server

1. DISCONNECT SWITCH IS NOT REQUIRED IF UNIT IS PROVIDED WITH DISCONNECT OR IF UNIT HAS CORD/PLUG AND RECEPTACLE.

*Equipment noted is for the large components but does not reflect all necessary equipment.

Provide all necessary equipment for a fully operational system.

					VOLTAGE: 208 Y/						
CIRCUIT	1	ı									
DESCRIPTION	PANEL MP	PANEL M1	PANEL R1	PANEL R2		CONNECTED	DEMAND				
LIGHTING	0.0	0.0	4.0	4.0		7.96	9.95				
RECEPTACLE	0.0	0.0	18.6	21.7		40.29	25.15				
MOTOR	0.0	5.4	0.0	0.0		5.40	12.96				
HEATING	48.0	6.0	0.0	0.0		54.00	54.00				
COOLING	0.0	25.2	0.0	0.0		25.18	25.18				
KITCHEN	0.0	0.0	0.0	0.0		0.00	0.00				
	1	l		NE'	W TOTAL DIV	ÆRSIFIED KVA	127				
				NEW	TOTAL DIVE	ERSIFIED AMPS	353				

PA	NEL NA	ME	LOCATION:		VOLTAGE:			208 Y/ 120V		IASE	MOUNTING/ENCLOSURE:	SURFACE	Ξ /	NEMA 1
	MP ELEC		ELEC ROOM 139					600A MLO						
AMPS	POLES	TYPE	CIRCUIT DESCRIPTION		СКТ		В	С	CKT	KVA	CIRCUIT DESCRIPTION	TYPE	POLES	AMPS
200	3		PANEL MI	13.92 11.07 11.59	3 5	13.92	11.07	11.59	4 6		TVSS		3	60
60	2	H H H	AHU-1 HEAT	4.00 4.00 4.00	7 9 11	12.20	11.73	10.68	8 10 12	8.20 7.73 6.68	PANEL RI		3	150
60	2	H H	AHU-2 HEAT	4.00	13	12.40	11.72	10.08	14	8.40 7.72	PANEL R2		3	150
60	2	H H	AHU-3 HEAT	4.00	17	4.00	11.72	14.52	18	10.52	SPACE		1	150
60	2	H H	AHU-4 HEAT	4.00	21	1.00	4.00	4.00	22		SP A CE SP A CE		1	
60	2	H H	AHU-5 HEAT	4.00	25 27	4.00	4.00	4.00	26		SP A CE SP A CE		1	
60	2	Н	AHU-6 HEAT SPARE	4.00	29		4.00	4.00	30		SPACE SPACE		1	
20	1		SPARE		33				34		SPACE		1	
20	1		SPARE		35				36		SPACE		1	
20	1		SPARE		37				38		SPACE		1	
20	1 1		SPARE SPARE		39 41				40		SP A CE SP A CE		1 1	
20	1 1	<u> </u>	DI 11102	PHASE TO		46.5	42.5	44.8	KVA		of red		1 *	l
								1	_		TOTAL CONNECTED LOAD	134	KVA	371 A
											TOTAL DEMAND LOAD	134	KVA	371 A

PA	NEL NA	ME	LOCATION:		VOLT AGE:	208 Y/120V		3 PHASE		MOUNTING / ENCLOSURE:	SURFACE /		NEMA
	M1		ELEC ROOM 139			225A	MLO						
AMPS	POLES	TYPE	CIRCUIT DESCRIPTION	KVA CKT		В	С	CKT	KVA	CIRCUIT DESCRIPTION	TYPE	POLES	AMP
50*	2	AC AC	HP-4	2.48 1 2.48 3	2.93	2.93		2	0.45	AHU-1	M M	2	15
40*	2	AC AC	HP-1	1.97 5 1.97 7	2.42		2.42	6	0.45 0.45	AHU-2	M M	2	15
40*	2	AC AC	HP-5	1.97 9 1.97 11	2.42	2.42	2.42	10	0.45	AHU-3	M M	2	15
40*	2	AC AC	HP-6	1.97 13 1.97 15	2.42	2.42	2.72	14	0.45	AHU-4	M M	2	15
40	2	H H	EWH	3.00 17 3.00 19	3.45	2,72	3.45	18	0.45	AHU-5	M M	2	15
25*	2	AC AC	HP-7 / WFC-7	1.50 21 1.50 23	3.43	1.95	1.95	22	0.45	AHU-6	M M	2	15
25*	2	AC AC	-HP-2	1.35 25 1.35 27	1.35	1.35	1.93	26	0.43	SP ARE	IVI	1	20
25*	2	AC	-HP-3	1.35 29	1.0.5	1.33	1.35	30		SPARE SPARE		1	20
	1	AC	SPACE	1.35 31 33	1.35			32		SPARE SPACE		1	20
	1		SP A CE SP A CE	35				36		SPACE SPACE		1	
	1		SPACE	39			1	40		SPACE		1	
	1		SPACE	41				42		SPACE		1	
			P	HASE TOTAL	13.9	11.1	11.6	KVA		TOTAL CONNECTED LOAD	37	KVA	102 A
*PROVII	DE HAC	R T YPE	CIRCUIT BREAKER							TOTAL DEMAND LOAD			87 A

PA	NEL NA	ME	LOCATION:	VOLTAGE:			208	8 Y/ 120V	3 PH	ASE	MOUNTING / ENCLOSURE:	SURFACE	. /	NEMA
	R1		ELEC ROOM 139				225A	MLO						
AMPS	POLES	TYPE	CIRCUIT DESCRIPTION	KVA	CKT	A	В	С	CKT	KVA	CIRCUIT DESCRIPTION	TYPE	POLES	AMPS
20	1	R	RECEPS DRUG TESTER 105/106	1.08	1	1.26			2	0.18	RECEP EXTERIOR NORTH	R	1	20
20	1	R	RECEPS DRUG TESTER 104/105	1.08	3		1.62		4	0.54	RECEP MECH 143	R	1	20
20	1	R	RECEP TESTING LAB 103	0.36	5			0.90	6	0.54	RECEP CORRIDOR 140	R	1	20
20	1	R	RECEP TESTING LAB 103	0.36	7	1.80			8	1.44	RECEP SUPERVISOR 130/131	R	1	20
20	1	R	RECEP TESTING LAB 103	0.72	9		0.90		10	0.18	RECEP DATA/ELEC 139	R	1	20
20	1	R	RECEP VESTIBULE 101	0.72	11			0.90	12	0.18	RECEP CUSTODIAL 146	R	1	20
20	1	R	RECEP ADMIN 110	0.36	13	1.80			14	1.44	RECEP OFFICE 127 / 145	R	1	20
20	1	R	RECEP ADMIN 110	0.54	15		0.90		16	0.36	RECEP JAN 138	R	1	20
20	1	R	RECEP CORRIDOR 140	0.90	17			1.44	18	0.54	RECEP TRAINING ROOM 134	R	1	20
20	1	R	RECEP COUNTER CORRIDOR 140	0.36	19	0.90			20	0.54	RECEP TRAINING ROOM 134	R	1	20
20	1	R	RECEP RESTROOMS	0.90	21		1.62		22	0.72	RECEP TRAINING ROOM 134	R	1	20
20	1	R	RECEP BREAKROOM 133	0.18	23			0.54	24	0.36	RECEP TRAINING ROOM 134	R	1	20
20	1	R	RECEP BREAKROOM 133	0.36	25	0.72			26	0.36	RECEP BREAKROOM 133	R	1	20
20	1	R	RECEP REFRIGERATOR 133	0.25	27		0.97		28	0.72	RECEP FLOOR TRAINING ROOM 13	R	1	20
20	1	R	RECEP DATA/ELEC 139	0.72	29			1.72	30	1.00	LTG OFFICES	L	1	20
20	1	R	RECEP DATA/ELEC 139	0.72	31	1.72			32	1.00	LTG OFFICES	L	1	20
20	1	R	RECEP DATA/ELEC 139	0.72	33		1.72		34	1.00	LTG OFFICES	L	1	20
20	1	R	RECEP DATA/ELEC 139 TBB	0.18	35			1.18	36	1.00	LTG CORRIDORS	L	1	20
20	1		SPARE		37				38		SPARE		1	20
20	1		SPARE		39				40		SPARE		1	20
20	1		SPARE		41				42		SPARE		1	20
	•		PF	HASE TO	TAL	8.2	7.7	6.7	KVA				•	•
								•	_		TOTAL CONNECTED LOAD	23	KVA	63 A
											TOTAL DEMAND LOAD	19	KVA	54 A

PA	NEL NA	ME	LOCATION:		VOLTAGE:			3 Y/ 120V	3 PHASE		MOUNTING / ENCLOSURE:	SURFACE /		NEM.
	R2		ELEC ROOM 139				225A	MLO						
AMPS	POLES	TYPE	CIRCUIT DESCRIPTION	KVA	CKT	A	В	С	CKT	KVA	CIRCUIT DESCRIPTION	TYPE	POLES	AN
20	1	R	RECEP WAITING 102	1.26	1	1.80			2	0.54	RECEP EXTERIOR EAST	R	1	2
20	1	R	WATER COOLER 101	0.25	3		0.79		4	0.54	RECEP MECH 144	R	1	- 2
20	1	R	WATER COOLER 101	0.25	5			1.69	6	1.44	RECEP SUPER 129 / DIRECTOR 128	R	1	
20	1	R	RECEP COPY ROOM 111	0.72	7	1.44			8	0.72	RECEP CORRIDOR 140	R	1	
20	1	R	RECEP COPIER 111	0.25	9		0.50		10	0.25	RECEP COPIER MAIN/COPY 132	R	1	
20	1	R	RECEP MECH 142	0.36	11			1.80	12	1.44	RECEP OFFICE 125/126	R	1	
20	1	R	RECEP OFFICE 118/119	1.44	13	2.16			14	0.72	RECEP OFFICE 122	R	1	
20	1	R	RECEP OFFICE 112/113	1.44	15		2.88		16	1.44	RECEP OFFICE 116/117	R	1	
20	1	R	RECEP OFFICE 115/116	1.44	17			2.88	18	1.44	RECEP OFFICE 120/121	R	1	
20	1	R	RECEP OFFICE 123/124	1.44	19	2.44			20	1.00	LTG OFFICES	L	1	
20	1	R	CARD ACCESS DOOR LOCKS	0.20	21		1.20		22	1.00	LTG OFFICES	L	1	
20*	1		FACP	0.50	23			1.50	24	1.00	LTG OFFICES	L	1	
20	1		VISTA-20SE	0.25	25	0.46			26	0.21	LTG ENTRY EXTERIOR	L	1	
20	1		PRO4200	0.25	27		0.35		28	0.10	FLAG POLE IN-GROUND LTS	L	1	
20	1		SPARE		29			0.65	30	0.65	WALL PACKS	L	1	
20	1		SPARE		31	0.10			32	0.10	TIME CLOCK C1 CONTROL	R	1	
20	1		SPARE		33				34		SPARE		1	
20	1		SPARE		35				36		SPARE		1	
20	1		SPARE		37				38		SPARE		1	
30	2	R	SERVER ROOM RECEP	2.00	39		2.00		40		SPARE		1	
20		R	BERTEIR ROOM RECEI	2.00	41		·	2.00	42		SPARE		1	
				PHASE TO	DTAL	8.4	7.7	10.5	KVA					
					-				_		TOTAL CONNECTED LOAD	27	KVA	74
ROVII	DE LOCK	CON DE	VICE AND PAINT HANDLE RED								TOTAL DEMAND LOAD	22	KVA	60





23-001

REVISIONS

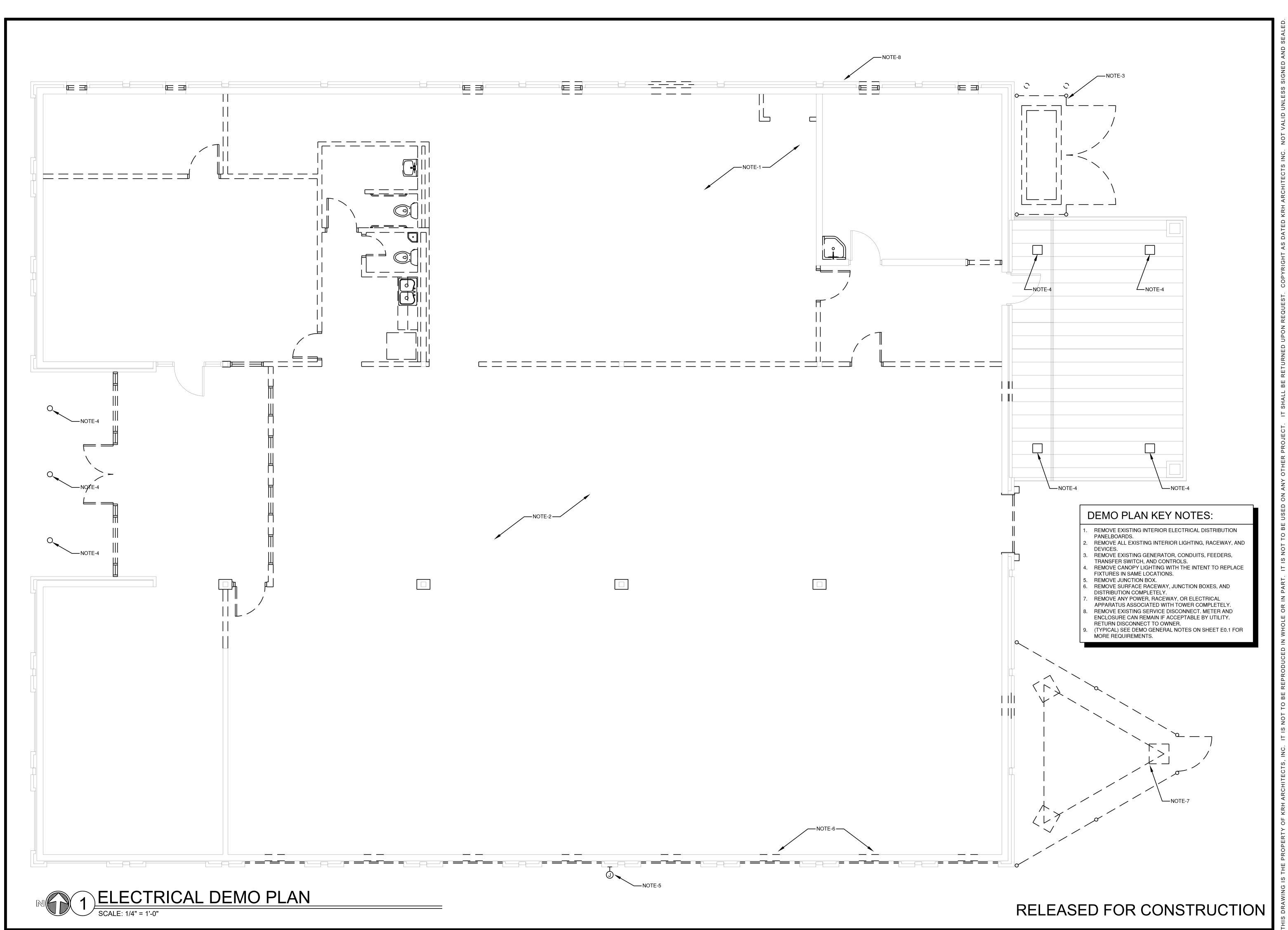
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SHEET INDEX **ELECTRICAL** SCHEDULES



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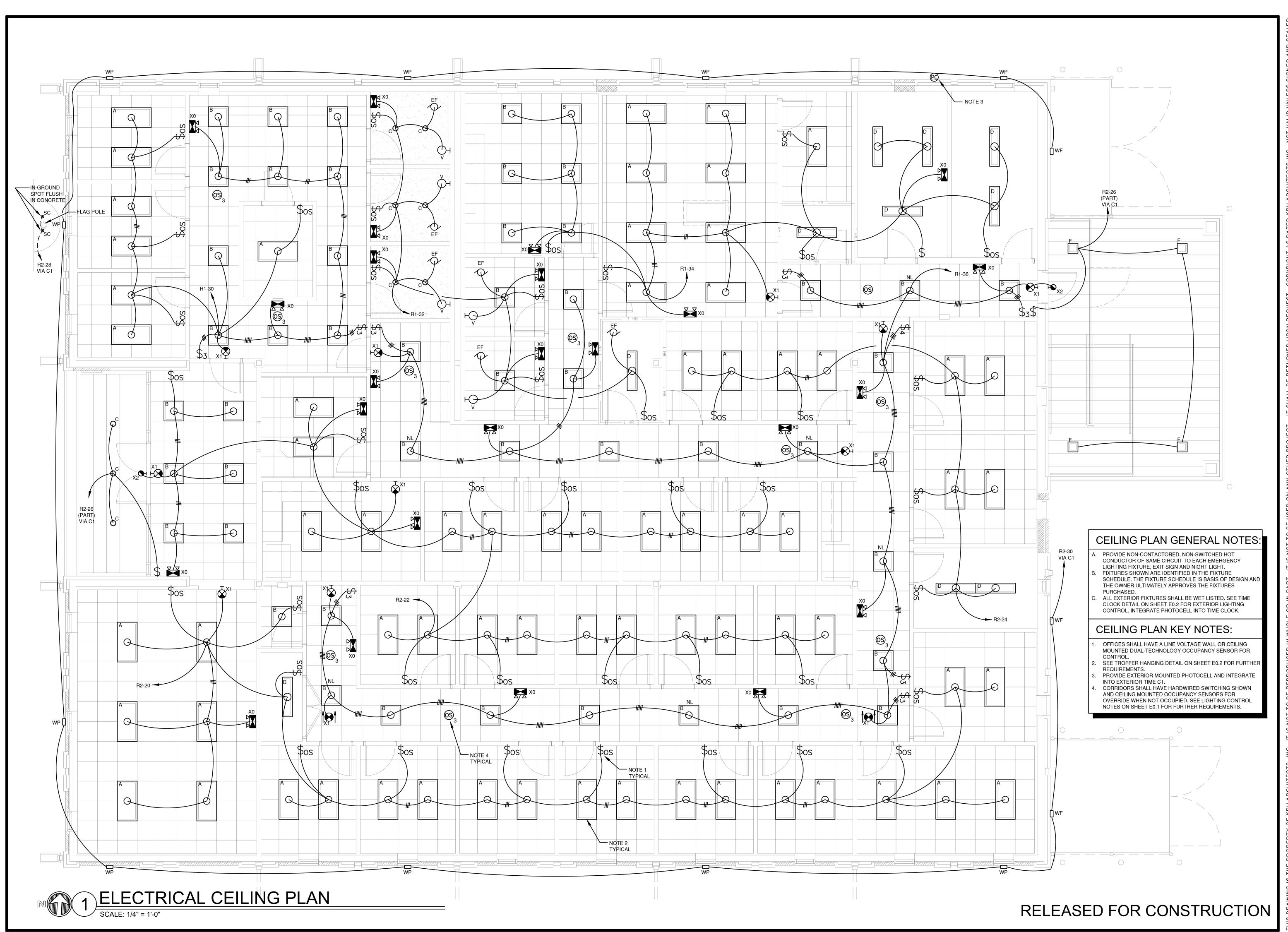
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SHEET INDEX ELECTRICAL

DEMO PLAN



PROJECT NUMBER 23-001

DATE

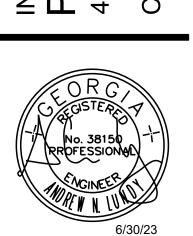
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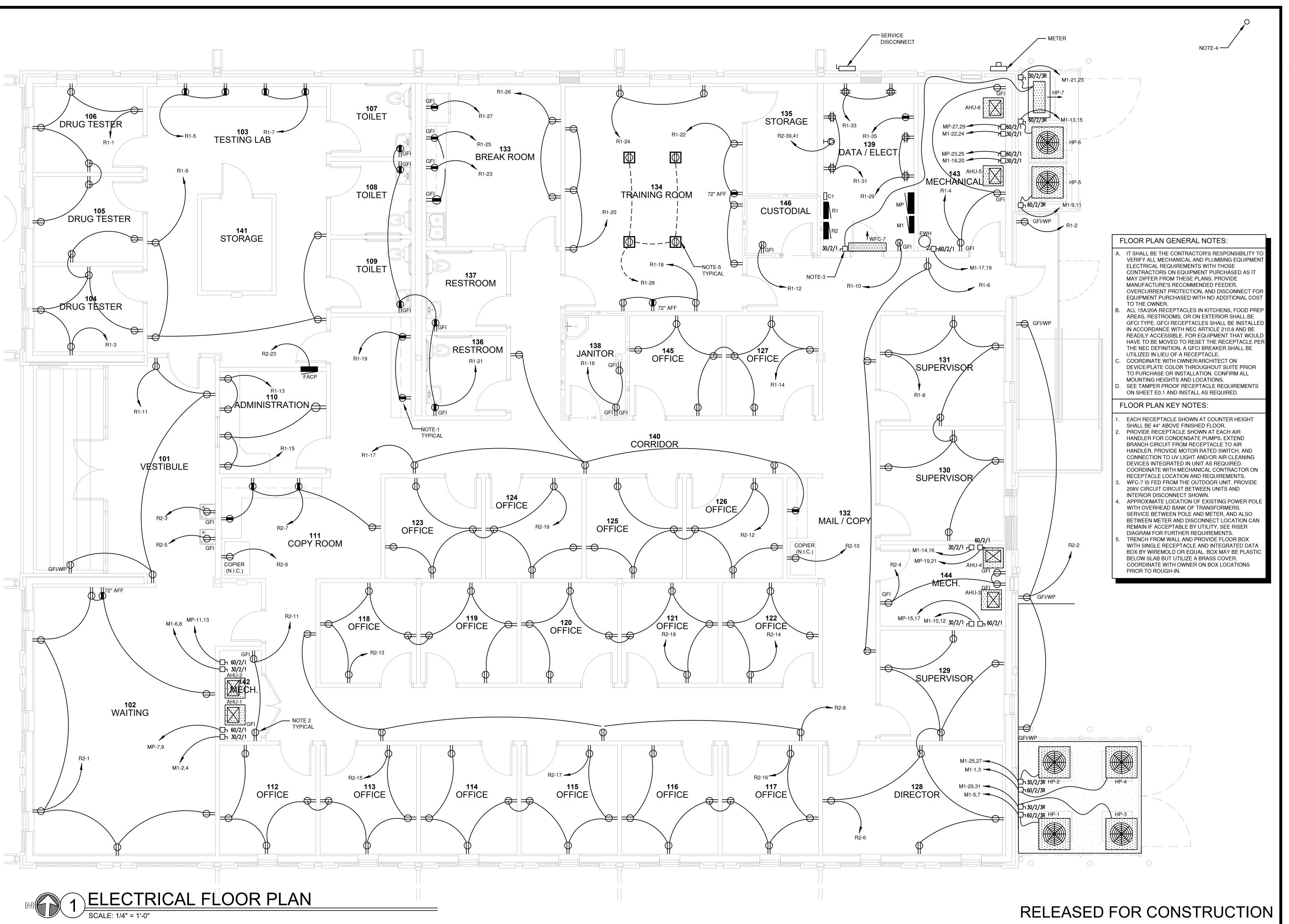
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SHEET INDEX ELECTRICAL

CEILING PLAN



PROJECT NUMBER

DATE 05/15/2

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FACILITY CODE 000-000

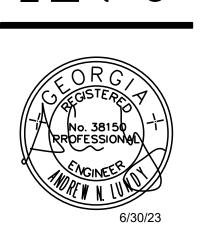


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DALTON, GA 30721

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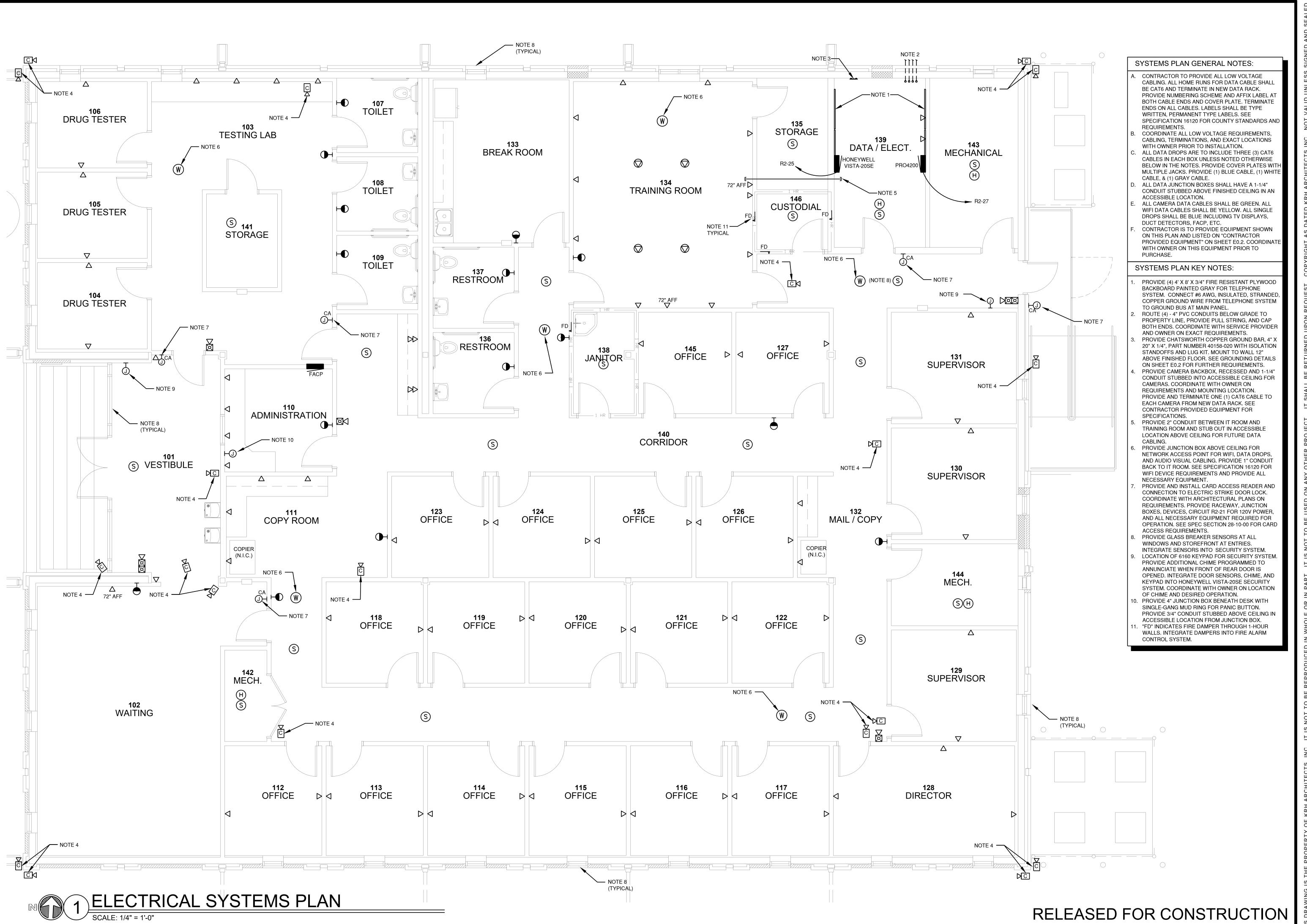
RENOVATIONS FOR CHEROKEE COUNTY TION OFFICE



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23-001

DATE 05/15/23

PROJECT NUMBER

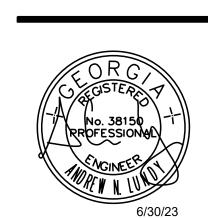
REVISIONS

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855 ABUTMENT ROAD SUITE FOUR DALTON, GA 30721 TEL. 706.529.5895



SHEET INDEX **ELECTRICAL**

SYSTEMS PLAN