| OWNER | 750 GLENWOOD, LLC. 950 JOSEPH E. LOWERY BLVD NW SUITE 25 ATLANTA, GA 30318 404-564-1250 ROBERT HUGHES 404-786-3397 rhughes@urbanrealtypartners.net ARTHUR COHEN acohen62@gmail.com |
|--------------|---|
| TENANT | RedefinED ATLANTA ANGIRA SCEUSI VICE PRESIDENT OF OPERATIONS & INVESTMENTS 404-860-1550 EXT 702 |
| ARCHITECTS | PRAXIS3 LLC 100 PEACHTREE STREET NW SUITE 1450 ATLANTA, GA 30303 404-875-4500 404-876-8884 FAX P3 PRINCIPAL DAVID HAMILTON, RA DHAMILTON@PRAXIS3.COM SARAH BUTLER, RA 678-904-7445 SBUTLER@PRAXIS3.COM |
| MEP ENGINEER | WESTSIDE ENGINEERING INC. 5525 INTERSTATE NORTH PARKWAY SUITE 200 ATLANTA, GA 30325 ELECTRICAL CHRIS ESSLINGER, PE PRINCIPAL 404-424-6240 cesslinger@westside-engineering.com MECHANICAL & PLUMBING JAMES DANIEL HUBBARTT,PE 678-414-4776 daniel@westside-engineering.com |

| Index of Drawings | | | | |
|-------------------|--|-----------------------|--|--|
| Sheet Number | Sheet Name | 06.15.20 - Permit Set | | |
| General | | | | |
| G000 | Cover Sheet, Site Key Plan, and Code Summary | 0 | | |
| G001 | Abbreviations, Symbols, Notes, Map, Partitions | | | |
| RedefinED |) | | | |
| A201 | Floor Plan, Life Safety, Schedules | 0 | | |
| A202 | Millwork | 0 | | |
| Mechanica | al/Plumbing | | | |
| MP001 | Mechanical and Plumbing Schedules | 0 | | |
| MP101 | Mechanical and Plumbing Plans | 0 | | |
| Electrical | | | | |
| E001 | Notes, Details, Legend | 0 | | |
| E002 | Panel Schedules and Riser Diagrams | 0 | | |
| E003 | Electrical Specifications | 0 | | |

0

Project Description

Electrical Plan

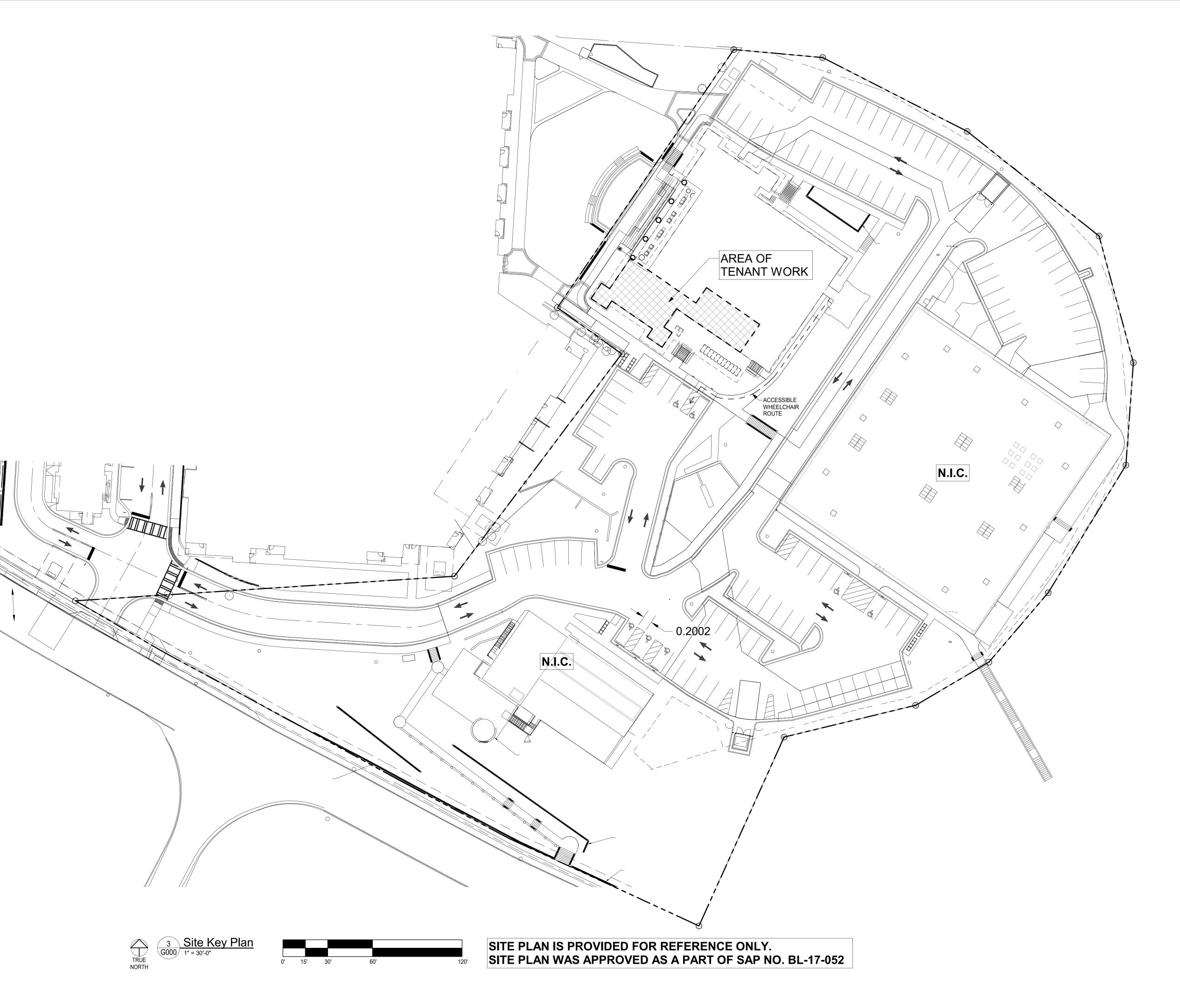
E100

2,042 S.F. TENANT FIT UP OF SUITE IN EXISTING FIRST FLOOR OFFICE SHELL. MISCELLANEOUS RE-WORK OF ELECTRICAL, ADDITION OF DUCTWORK, AND BREAK AREA. NO SITE WORK, NO GAS.

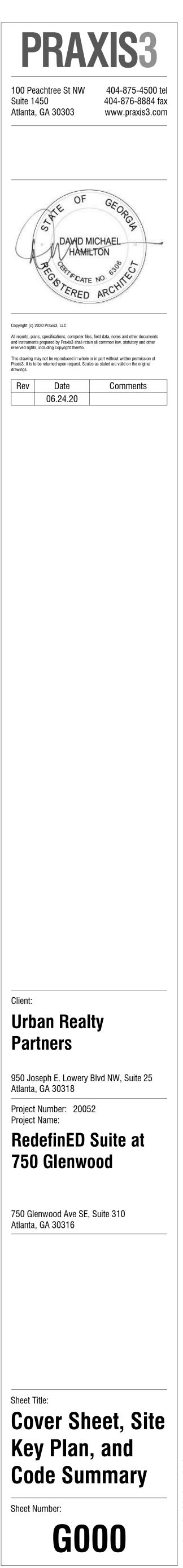
Project Specifications

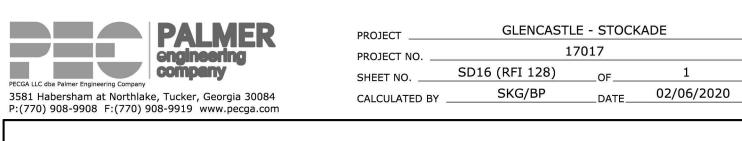
REFER TO BASE BUILDING PROJECT MANUAL DATED JANUARY 18, 2019 FOR ALL GENERAL COMPONENTS NOT SPECIFIED WITHIN THESE DRAWINGS.

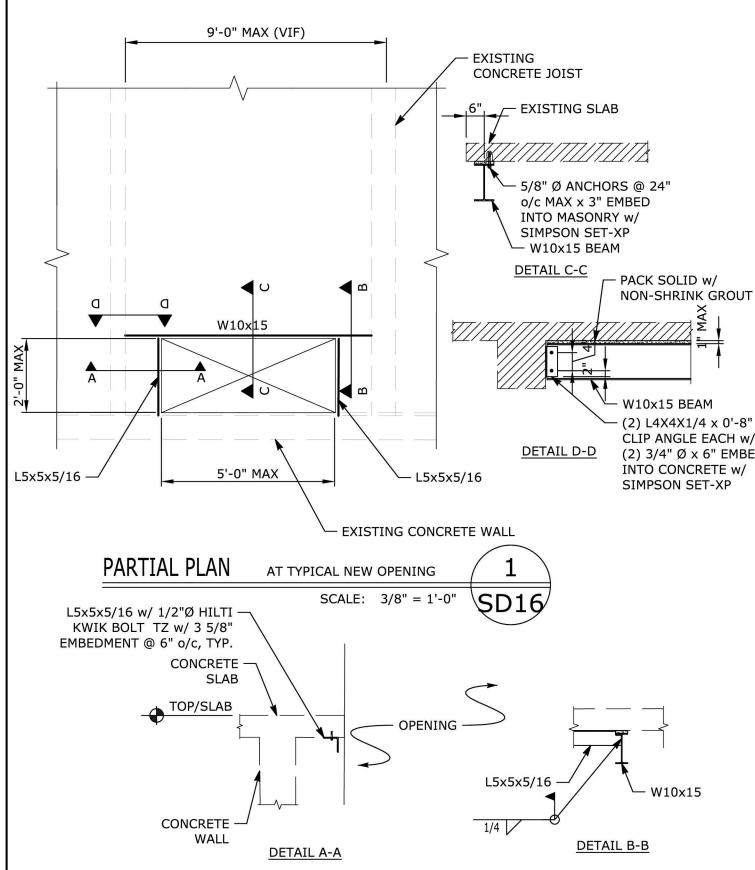
RedefinED Suite at 750 Glenwood Atlanta, GA



June 24, 2020







Abbreviations #/FT PER FOOT IBC INSUL INT ΔT AIR CONDITIONING ANCHOR BOLT LIA AB ABV ABOVE LAM AIR CONDITIONING LAV AC ACMU ARCHITECTURAL CONCRETE MASONRY UNIT LLH ACM ALUMINUM COMPOSITE METAL LLV ACOUST ACOUSTICAL LSC ACP ACOUSTICAL CEILING PANEL ACT ACOUSTICAL CEILING TILE MATL ADJ ADJACENT MAX MAXIMUM ABOVE FINISHED FLOOR MDF AFF AMERICAN INSTITUTE OF ARCHITECTS AIA MECH MFR AIB AIR INFILTRATION BARRIER AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION MIN ALT ALTERNATE MISC ALUM ALUMINUM ANSI AMERICAN NATIONAL STANDARDS INSTITUTE MOD APPROX APPROXIMATE MOD BIT MODIFIED BITUMEN ARCH ARCHITECT MR ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS MTD AUTO AUTOMATIC METAL MTL NFPA BOTTOM OF. NIC BD BOARD BF BOARD FOOT NRP BFA BARRIER FREE ACCESSIBLE NTS BLKG BLOCKING OC BLW BELOW BM BEAM OH BOC BACK OF CURB OPNG BRK BRICK PCP BTWN BETWEEN PLAM PFT CHANNEL CAB CABINET PLATE PL CC COLOR CHANGE PLMB CER CERAMIC PLYWD COLD-FORMED METAL FRAMING CFMF PVC CIP CAST-IN-PLACE CONTROL JOINT CJ CENTER LINE QT CLG CEILING CONCRETE MASONRY UNIT RAD RADIUS CMU CO CLEAN OUT RCP COL RD COLUMN CONC CONCRETE MASONRY UNIT REINF CONT CONTINUOUS REQD CONSTRUCTION SPECIFICATIONS INSTITUTE CSI CT CERAMIC TILE D4S DRESSED FOUR SIDES RO DBL DOUBLE RTD RATED DET DETAIL S4S SC DIAG DIAGONAL DLO DAYLIGHT OPENING DS SHLV DOWNSPOUT SHELVES DWG SHT SHEET DRAWING SHTHG EDGE OF... SIM SIMILAR EXPANSION BOLT SQ SQUARE EPOXY FLOOR COATING EFC SS EIFS EXTERIOR INSULATION FINISHING SYSTEM STD EXPANSION JOINT STL STEEL ELEC ELECTRICAL STOR STORAG EOS EDGE OF SLAB STR STAIR EQ EQUAL STRUCT STRUCTURAL EQUIP SUB EQUIPMEN ERD EMERGENCY ROOF DRAIN SUSP EACH SIDE ES TOP OF EW EACH WAY EXP EXPANSION T&G EXT EXTERIOR TEL TEXT FACE OF THK FAB FABRICATE THOLD FE FIRE EXTINGUISHER - WALL MOUNT ТJ TOS FEC FIRE EXTINGUISHER - RECESSED CABINET FINISH FLOOR ELEVATION TPO FFE TYP FIN FINISH TYPICAL FLR FLOOR FR GWB FIRE RATED GYPSUM WALLBOARD UNO FOOTING FTG FV FIELD VERIFY VB VCT GA GAUGE VENT GALV GALVANIZED VERT GC GENERAL CONTRACTOR VHB VIF GTTR GUTTER GWB GYPSUM WALLBOARD VINYL WALLCOVERING VWC GYP BD GYPSUM WALLBOARD WITH W/ HOSE BIBB WB WEATHER BARRIER HB

WRB

WWF

WWM

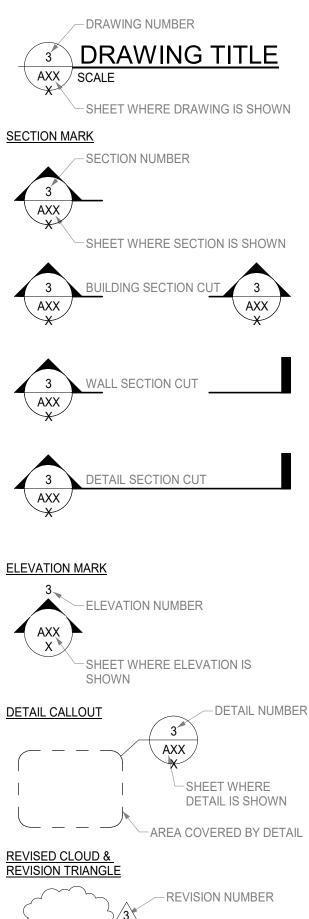
WEATHER RESISTIVE BARRIER

WELDED WIRE FABRIC

WELDED WIRE MESH

INTERNATIONAL BUILDING CODE INSULATION DRAWING TITLE MARK INTERIOR LINE ITEM ALTERNATE LAMINATE LAVATORY LONG LEG HORIZONTAL LONG LEG VERTICAL \searrow LIFE SAFETY CODE MATERIAL MEDIUM-DENSITY FIBERBOARD MECHANICAL MANUFACTURER MINIMUM AXX MISCELLANEOUS MASONRY OPENING MODIFIED MOISTURE RESISTANT MOUNTED NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT NON-REMOVABLE PIN NOT TO SCALE ON CENTER **OPPOSITE HAND** OPENING PORTLAND CEMENT PLASTER PLASTIC LAMINATE PORCELAIN FLOOR TILE PLUMBING PLYWOOD PAINT OR PRESSURE TREATED POLYVINYL CHLORIDE QUARRY TILE REFLECTED CEILING PLAN ROOF DRAIN REINFORCED REQUIRED **RIGID INSULATION** RAKED JOINT RAIN LEADER ROUGH OPENING SMOOTH FOUR SIDES SOLID CORE SHEATHING STAINLESS STEEL STANDARD SUBCONTRACTOR SUSPENDED TONGUE AND GROOVE TELEPHONE TEXTURE THICKNESS THRESHOLD TOOL JOINT TOP OF STEEL THERMOPLASTIC POLYOLEFIN UNLESS NOTED OTHERWISE VAPOR BARRIER VINYL CERAMIC TILE VENTILATION VERTICAL VERY HIGH BOND VERIFY IN FIELD

Symbols Legend



 $\overline{}$ AREA ON HOLD & REVISION TRIANGLE -REVISION NUMBER **(HOLD**)

HGT

HORIZ

HEIGHT

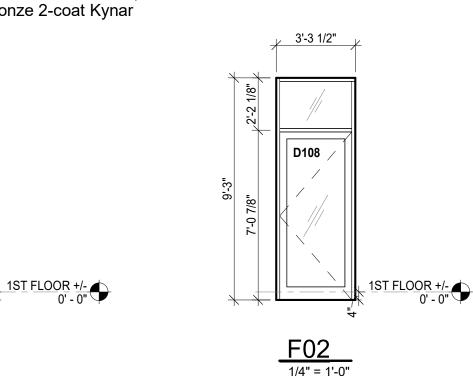
HORIZONTAL

F01 and F02 - Interior Aluminum Storefront

BoD: Storefront: Oldcastle BE - FG-1000 Center Set 1 3/4" X 4". Glass to be 1/4" clear tempered. Fixed, Color: Classic Bronze 2-coat Kynar

3'-3 1/2"

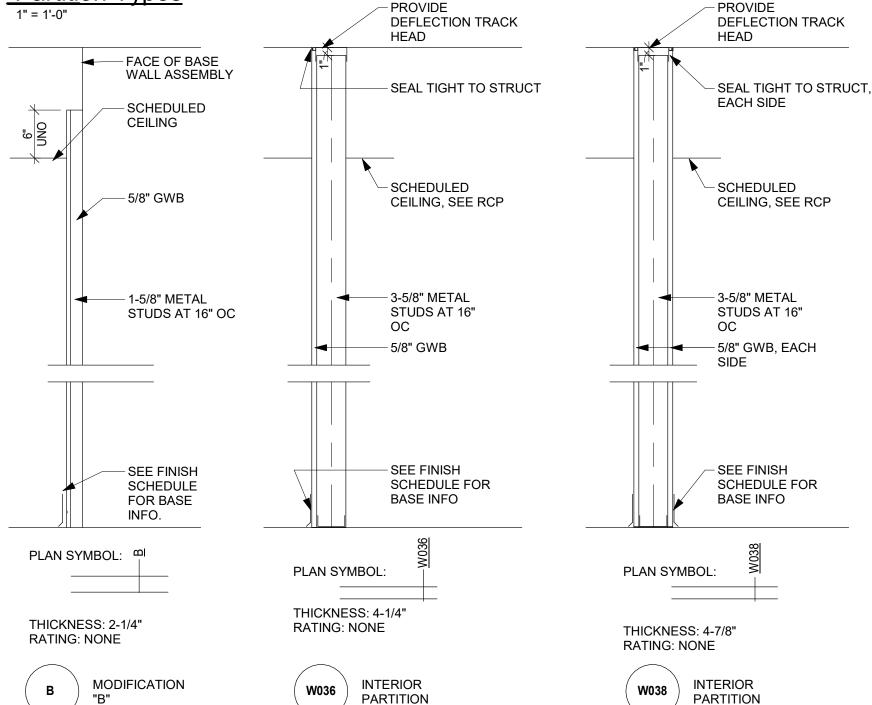
D107



Partition Types

F01

1/4" = 1'-0"



General Notes

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS LISTED IN THE PROJECT MANUAL AND THE DRAWINGS (CONTRACT DOCUMENTS) INCLUDING BUT NOT <u>_IMITED TO THE FOLLOWING:</u>

1. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK. VERIFY EXISTING ELEVATIONS AND LOCATIONS TO BE JOINED PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE ARCHITECT OF ALL INCONSISTENCIES. DO NOT COMMENCE THE WORK PRIOR TO RECEIPT OF MODIFICATIONS FROM THE ARCHITECT.

2. DO NOT SCALE THE DRAWINGS. IF DIMENSIONS ARE MISSING, NOTIFY THE ARCHITECT. 3. REVIEW AND APPROVE ALL SUBMITTALS BEFORE SUBMITTING TO THE ARCHITECT. THE ARCHITECT SHALL REVIEW SUBMITTALS FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. ARCHITECTS APPROVAL OF SPECIFIC COMPONENTS DOES NOT INDICATE APPROVAL OF THE COMPLETE ASSEMBLY. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR CORRECTING ALL NONCOMPLYING WORK INSTALLED WITHOUT ARCHITECT ACCEPTED SUBMITTALS.

4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THAT OF ALL SUBCONTRACTORS. 5. REPORT TO THE ARCHITECT ALL ERRORS, INCONSISTENCIES OR OMISSIONS FOUND IN THE

CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CORRECTING ALL ERRORS NOT BROUGHT TO THE ATTENTION OF THE ARCHITECT. CORRECTION OF ERRORS SHALL BE APPROVED BY THE ARCHITECT.

LOCATE ALL EXISTING UTILITIES INCLUDING ANY NOT SHOWN IN THE CONTRACT DOCUMENTS. PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING THE EXECUTION OF THE WORK. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CORRECTING ANY DAMAGE CAUSED BY OPERATIONS DURING THE EXECUTION OF THE WORK.

7. PROVIDE ALL TEMPORARY SUPPORT FACILITIES INCLUDING BUT NOT LIMITED TO: a. WATER b. ELECTRICAL POWER c. TOILET FACILITIES.

8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY AND SECURITY OF THE SITE UNTIL THE COMPLETION OF PROJECT CLOSEOUT.

9. REMOVE ALL DEBRIS FROM THE SITE DAILY. THE SITE SHALL BE KEPT BROOM CLEAN AT ALL TIMES.

10. PERMANENTLY IDENTIFY ALL FIRE AND SMOKE BARRIERS AND PARTITIONS, INCLUDING BUT NOT LIMITED TO: a. RATED CORRIDOR WALLS. b. SMOKE BARRIERS AND PARTITIONS.

c. HORIZONTAL EXITS. d. EXIT ENCLOSURES.

WITH MINIMUM ONE INCH HIGH LETTERS IN SIGNS OR STENCILING, LOCATED ABOVE CEILING OR OTHER CONCEALED LOCATIONS, SPACED A MAXIMUM OF 10 FEET ON CENTER; PROVIDE THE FOLLOWING CONTENT:

"FIRE AND/OR SMOKE RATED WALL-PROTECT ALL OPENINGS" 11. MAINTAIN ALL FIRE AND SMOKE RATINGS SHOWN IN THE CONTRACT DOCUMENTS. PROVIDE A

RATED ASSEMBLY, APPROVED BY A NATIONALLY RECOGNIZED TESTING AGENCY, AT ALL OPENINGS AND PENETRATIONS.

12. SWING ALL DOORS IN THE MEANS OF EGRESS IN THE DIRECTION OF EXIT TRAVEL. PROVIDE EMERGENCY HARDWARE ON ALL EXIT ENCLOSURES AND AT ALL EXIT DISCHARGE. 13. PROVIDE LEVER HANDLE OR PUSH OPERATED HARDWARE ON ALL DOORS NOT IN THE MEANS OF EGRESS.

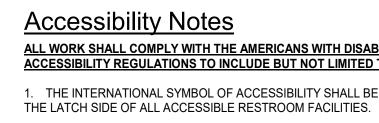
14. PROVIDE ONE AND ONE HALF INCH TUBES FOR ALL HANDRAILS AND GUARDRAILS. SMALLER TUBE AND PIPE SIZED ARE ALLOWED FOR THE SUPPORT ASSEMBLY IN COMPLIANCE WITH ALL CODES ADOPTED BY THE JURISDICTION HAVING AUTHORITY.

15. DO NOT INTERCONNECT DUCT SYSTEMS WITH OTHER BUILDING EXHAUST SYSTEMS.

16. COMBUSTIBLE INTERIOR TRIM SHALL BE CLASS A, B OR C WITH A FLAME SPREAD RATING OF 200 OR LESS.

17. MAINTAIN AND PROTECT ONE SET OF APPROVED PERMIT DOCUMENT ON SITE AT ALL TIMES. DO NOT ALLOW WORKMEN ACCESS TO THE PERMIT DOCUMENTS.

18. MAINTAIN AND KEEP CURRENT, RECORD DOCUMENTS INCLUDING BUT NOT LIMITED TO THE DRAWINGS AND THE PROJECT MANUAL. POST ALL ADDENDA. CHANGE ORDERS AND MINOR CHANGES IN THE WORK DAILY. CONFIRM ALL CONSTRUCTION DRAWINGS ARE CURRENT.



4. LAVATORIES SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER

| INCHES WIDE MINIMUM. |
|--|
| 5. WATER SUPPLY AND OTHERWISE CONFIGURI ABRASIVE SURFACES U 6. CONTROLS FOR FAU TIGHT GRASPING, PINCH OPERABLE PARTS SHAL REMAIN OPEN FOR 10 S |
| |

FLOOR OR GROUND. FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE.

15 DEGREES MAXIMUM.

SECONDS MINIMUM.

NOT STEEPER THAN 1:2.

EXCEPTIONS:

| MASONRY GRIDLINE - F/MASONRY |
|------------------------------|
| X |
| PEMB GRIDLINE |

STEEL GRIDLINE - COLUMN CL

COLUMN BUBBLE & GRID LINES

EXISTING GRIDLINE

- W10x15

PARTITION TYPE TAG

| <u>+- woso</u> | SEE PARTITION TYPE FOR HEIGHT |
|-----------------------------|---|
| | WALL TO X'-XX" ABOVE STRUCTURAL FLOOR |
| <u>W030</u> DECK | WALL TO BOTTOM OF STRUCTURAL DECK ABOVE |
| <u>W030</u> ABOVE X'-XX" | BOTTOM WALL AT X'-XX" ABOV STRUCTURAL FLOOR TO BOTTOM OF STRUCTURAL DE ABOVE |

DOOR NUMBER

-DOOR NUMBER

FRAME NUMBER

- FRAME NUMBER

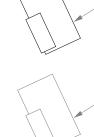
ROOM NAME & NUMBER

ROOM NAME

FIRE EXTINGUISHERS



FF&E - OWNER vs CONTRACTOR PROVIDED

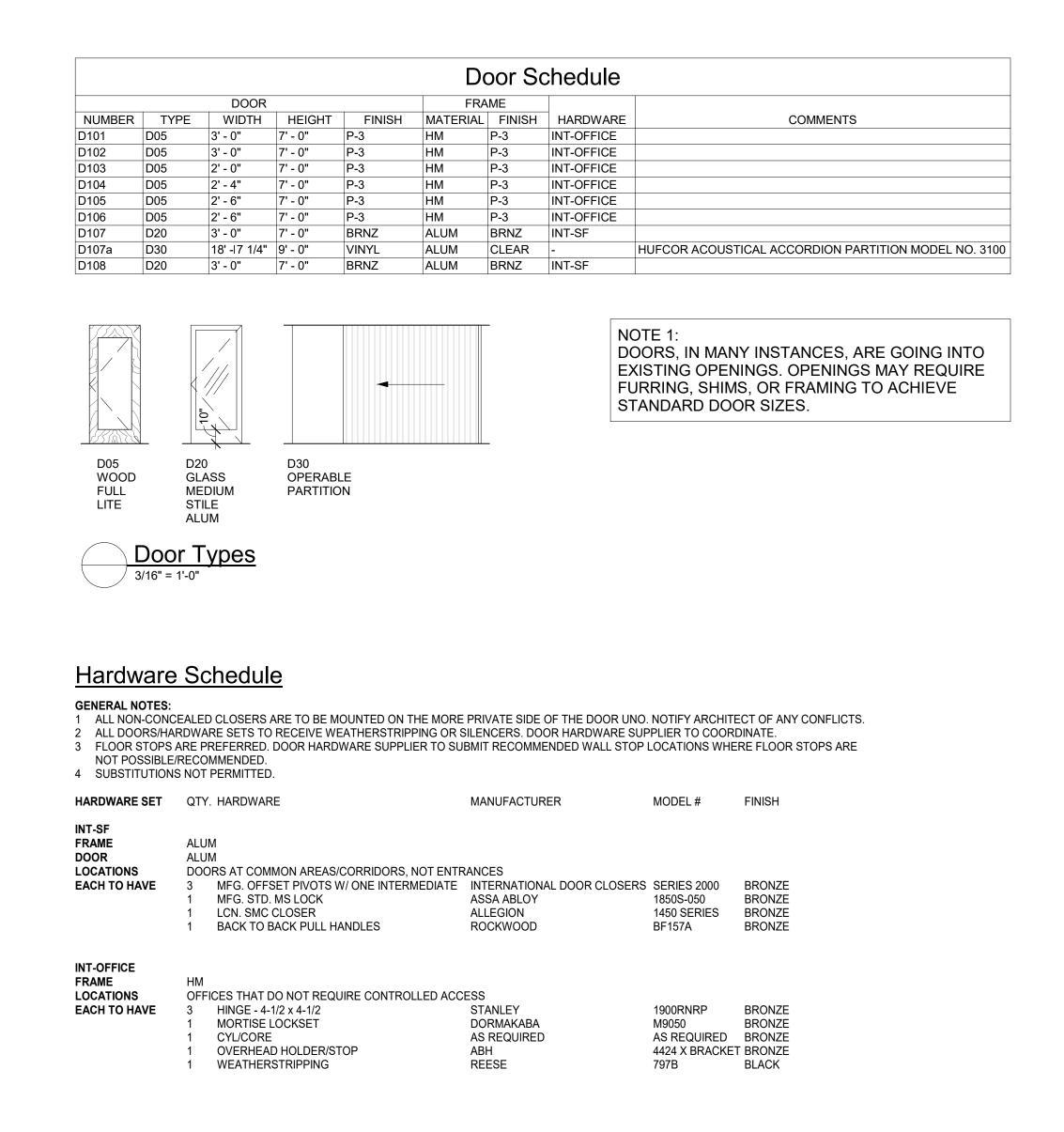


-GRAY LINES INDICATE OWNER PROVIDED FF&E ITEMS

FF&E ITEMS

-BLACK LINES INDICATE

CONTRACTOR PROVIDED



ALL WORK SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (2010) AND LOCAL ACCESSIBILITY REGULATIONS TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING: 1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE LOCATED ALONGSIDE THE DOOR AT

2. WATER CLOSETS SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

3. ACCESSIBLE URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13 1/2 INCHES DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE. PROVIDE A CLEAR FLOOR SPACE 30" X 48" IN FRONT OF THE ACCESSIBLE URINAL.

SURFACE 34 INCHES MAXIMUM ABOVE THE FINISH FLOOR WITH A CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON. SPACE UNDER A LAVATORY BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE. KNEE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM UNDER AN ELEMENT AT 9 INCHES ABOVE THE FINISH FLOOR. THE KNEE CLEARANCE SHALL BE 11 INCHES DEEP MINIMUM AT 9 INCHES ABOVE THE FINISH FLOOR AND 8 INCHES DEEP MINIMUM AT 27 INCHES ABOVE THE FINISH FLOOR. SPACE UNDER A LAVATORY BETWEEN THE FINISH FLOOR OR GROUND AND 9 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE. TOE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM AND 17 INCHES MINIMUM UNDER A LAVATORY. KNEE CLEARANCE SHALL BE 30

> Y AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR FIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR CES UNDER LAVATORIES AND SINKS. OR FAUCETS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE , PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE S SHALL BE 5 POUNDS MAXIMUM. HAND-OPERATED METERING FAUCETS SHALL R 10 SECONDS MINIMUM.

7. MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FINISH 8. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY

9. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

10. DRINKING FOUNTAINS SHALL BE PROVIDED WITH SPOUT OUTLETS AT 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR AND 38 INCHES MINIMUM AND 43 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. THE SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT. INCLUDING BUMPERS. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES AND 5 INCHES MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE

11. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5

12. FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL BE 5 POUNDS MAXIMUM. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSED POSITION.

13. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 AND ANSI A117.1, EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE.

14. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. CHANGES IN LEVEL OF 1/4 INCH HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL. CHANGES IN LEVEL BETWEEN 1/4 INCH HIGH MINIMUM AND 1/2 INCH HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE

15. FLOOR OR GROUND SURFACE WITHIN REQUIRED MANEUVERING CLEARANCES AT DOORS SHALL COMPLY WITH 15. CHANGES IN LEVEL ARE NOT PERMITTED. 1. SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

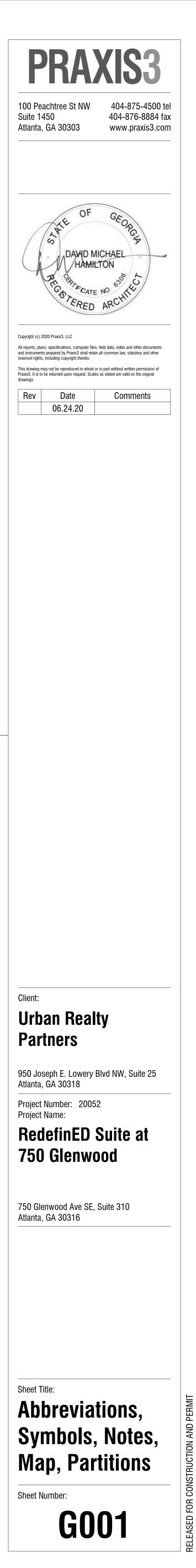
2. CHANGES IN LEVEL AT THRESHOLDS COMPLYING WITH 16 SHALL BE PERMITTED.

16. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2 INCH HIGH MAXIMUM.

Location Map NOT TO SCALE



-750 Glenwood Ave SE Atlanta, GA 30316



RedefinED Office Suite 750 Glenwood Ave SE, Atlanta, GA 30316

Local Jurisdiction - City of Atlanta

Applicable Codes International Building Code, 2018 Edition, with Georgia Amendments (2020) International Fire Code, 2018 Edition, with Georgia Amendments (2020) International Plumbing Code, 2018 Edition, with Georgia Amendments (2020) International Mechanical Code, 2018 Edition, with Georgia Amendments (2020) International Fuel Gas Code, 2018 Edition, with Georgia Amendments (2020) National Electrical Code, 2017 Edition, with no Georgia Amendments (Effective January 1, 2018). International Energy Conservation Code, 2015 Edition, with Georgia Supplements and Amendments (2020)NFPA 101 Life Safety Code, 2018 Edition, with State Amendments (2020) Georgia Accessibility Code 120-3-20 (.01-.08) / 2010 Department of Justice ADA Standards for Accessible Design

Office Building - Construction Type: IIB

Automatic Sprinkler System NFPA 13, and Fire Alarm provided

Description: Tenant fit up of suite in existing first floor office shell. Miscellaneous re-work of electrical, addition of ductwork, and break area. No site work, no gas.

Note: Building is designated as historic on the National Register of Historic Places.

Occupancy Type (Per NFPA 101) IBC 2012 Equivalent Use Business (B) Office Areas Business (B)

| Allowable Building | Height and Area (See T | able 503 in IBC 201 | (2) |
|--------------------|------------------------|---------------------|----------------------|
| B/Type IIB | Sprinkler Increase | Allowed | Actual |
| Height: 55 Feet | + 20 Feet | 75 Feet | 51 Feet |
| Stories: 3 | + 1 Story | 4 Stories | 3 Stories + basemer |
| Area per story: | | 23,000 SF | see table below, cor |
| | | | |

| Required Fire Resistance | | | | |
|-----------------------------------|----------|------------------|--|--|
| Building Element | | Type IIB (Hours) | | |
| Primary Structural Frame | | 0 | | |
| Bearing Walls | Exterior | 0 | | |
| Bearing Walls | Interior | 0 | | |
| Non-Bearing Walls and Partitions | Exterior | 0 | | |
| Non-Dearing waiis and Partitions | Interior | 0 | | |
| Floor Const. and Associated Secor | 0 | | | |
| Roof Const. and Associated Secon | 0 | | | |

| Area and Occupant Load (See Table 1004.5 in IBC 2018; Table 7.3.1.2 in NFPA 101 2018) | | | | | |
|---|---------------------------------|-----------------------|-----------------------|---|--|
| Building Area | Occupancy Type | Area (SF) | SF/Occ. | C | |
| First Floor (Gross) | B – Business | 10,605 | 150 | | |
| First Floor (Net) | B – Collaboration Space (NFPA) | 669 | 15 | | |
| Flist Floor (Net) | Assembly – Unconcentrated (IBC) | | | | |
| | Totals | 11,274 | | | |
| | T | 954 0-856-959 (cm-679 | | 1 | |
| Building Area | Occupancy Type | Area (SF) | SF/Occ. | C | |
| Building Area Tenant Space | Occupancy Type B – Business | Area (SF) 1,373 | SF/Occ. 150 | C | |
| | | | | C | |
| Tenant Space | | | | C | |

Totals 2,042

Means of Egress

| Oc | cupancy Type | B Business | Reference (NFPA 101) |
|-----------------|-----------------------|------------|-------------------------|
| Egress width pe | er occ. | .20 | Table 7.3.3.1 |
| Total First | Required egress width | 23.2" | |
| Floor-116 occ. | Actual egress width | See plans | |
| Common Path L | _imit | 75'-0" | |
| Dead-End Limit | | 50'-0" | Table A.7.6 |
| Travel Distance | Limit | 200'-0" | |
| Actual Max. Tra | vel Dist. | See plans | - |
| Min. Clear Oper | ning of Exit Doors | 32" | Section 7.2.1.2.3.2 |

Plumbing Counts – Total First Floor hing Code 2018 Table 102 1. IBC 2018 Table 2002 1

| Fixture | B Occupancy Requirements | Fixtures Required for B Occ. (116 total first floor occupants) | |
|------------------|--|---|--|
| WCs Male | 1 per 25 for the first 50; 1 per 50 for the rem. exceeding 50 | 58 Male Occ.s = 3 | |
| WCs Female | 1 per 25 for the first 50; 1 per 50 for the rem. exceeding 50 | 58 Female Occ.s = 3 | |
| Lavs Male | 1 per 40 for the first 80; 1 per 80 for the rem. exceeding 80 | 58 Male Occ.s = 2 | |
| Lavs Female | 1 per 40 for the first 80; 1 per 80 for the rem. exceeding 80 | 58 Female Occ.s = 2 | |
| DFs | 1 per 100 | 116 Occ.s = 2 | |
| Service Sinks | 1 required | 1 required | |

Building Envelope Element Requirements

destroy the historic form, fabric or function of the building.

International Energy Conservation Code 201 C501.6 Historic Buildings - No provisions of this code relating to the construction, repair, alteration, restoration and movement of structures, and change of occupancy shall be mandatory for historic buildings provided that a report has been submitted to the code official and signed by a registered design professional, or a representative of the State Historic Preservation Office or the historic preservation authority having jurisdiction, demonstrating that compliance with that provision would threaten, degrade or

Demolition Notes

1. REMOVE TEMPORARY LIGHTING AND RECONFIGURE CONDUIT FOR NEW LIGHTS.

General Plan Notes

1. PROVIDE MANUAL WINDOW ROLLER SHADES (RS-1) AT ALL WINDOWS IN SUITE. SEE SCHEDULE FOR SPEC. 2. SEAL GAPS AROUND ALL WINDOWS IN SUITE AT HEAD, SILL AND JAMBS.

3. HISTORIC CONCRETE WAINSCOT IN OPEN OFFICE 100 SHALL REMAIN UNTOUCHED AS MUCH AS POSSIBLE. ROUTE ALL DUCTWORK, UTILITIES, ETC. ABOVE WAINSCOT OR ON CEILING WHEN POSSIBLE AND ROUTE ALL REQUIRED CONDUIT LOW ON WALL TIGHT AGAINST FLOORING. ONLY ATTACH TO WAINSCOT WHERE ABSOLUTELY NECESSARY.

4. REMOVE DRYWALL FROM THE WALL SOUTH OF THE RAMP IN BREAK ROOM 107. STAGGER NEW 3 5/8" STUDS IN ORDER TO CREATE A DEEPER CAVITY FOR MOUNTING ELECTRICAL PANELS, SEE ELECTRICAL SHEETS FOR SIZING. RE-DRYWALL AND FINISH THE WALL WHEN COMPLETE.

5. PROVIDE ALTERNATE TO ADD HEADER ON THE WEST SIDE OF THE BREAK ROOM ABOVE THE TV TO OBSCURE HVAC UNIT AND STEEL FRAMED WALL OPENING.

6. PROVIDE ALTERNATE DEDUCT FOR VERSARE FOLDING PORTABLE PARTITION TO REPLACE HUFCOR ACOUSTICAL ACCORDION PARTITION

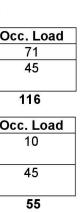
Material Schedule

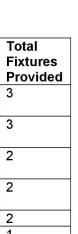
| | CODE | MATERIAL | MANUFACTURER | PRODUCT/SERIES | COLOR | SIZE/DESCRIPTION | LOCATIO |
|----------------|--------|----------------------|------------------------------------|---|---|--|-------------------|
| WALL FINISHES | P-1 | PAINT | SHERWIN WILLIAMS | SEE PAINT SCHEDULE SPEC | SW 0053 PORCELAIN | 2 FINISH COATS ONLY ON | GENERA |
| | P-2 | PAINT | SHERWIN WILLIAMS | SEE PAINT SCHEDULE SPEC | SW 7075 WEB GRAY | EXISTING CONCRETE | ACCENT |
| | P-3 | PAINT | SHERWIN WILLIAMS | SEE PAINT SCHEDULE SPEC | SW 7019 GAUNTLET GRAY | ALREADY PRIMED | INTERIO |
| | WT-1 | WALL TILE | TRINITY SURFACES | DAHLIA | HUESO; GLOSS FINISH | 3"X10" HORIZ. RUNNING BOND | MILLWO |
| | | ROLLER SHADE | MECHOSHADE | MECHO/5 MANUAL HORIZONTAL ROLLER SHADE | ТВD | 50% LIGHT FILTERING MESH WITH UV BLOCKER | ALL WINI |
| FLOOR FINISHES | C-1 | CARPET | PROVIDE \$30 PER SQ. YD. ALLOWANCE | | CARPET TILES | OFFICE A | |
| | SC-1 | SEALED CONCRETE | TBD | CONCRETE SEALER | CLEAR | GRIND EXISTING CONCRETE AND TREAT WITH SEALER | AT BREA CONCRE |
| | SC-2 | STAINED CONCRETE | SCOFIELD | LITHOCHROME TINTURA STAIN | MATCH DARK GREY OF HIS CLOSELY AS POSSIBLE | TORICAL CONCRETE AS | STAIN OF |
| WALL BASES | RB-1 | RUBBER BASE | JOHNSONITE | RUBBER WALL BASE, COVE | 63 BURNT UMBER | 4" HEIGHT, 1/8" THICKNESS | BASE OF |
| MILLWORK | 1 () 1 | QUARTZ COUNTERTOP | CAESARSTONE | METROPOLITAN COLLECTION | 4601 FROZEN TERRA | - | BREAK F |
| | LAM-1 | LAMINATE | FORMICA | PLASTIC LAMINATE | F7837 - GRAPHITE | - | BREAK F |

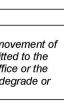


omplies

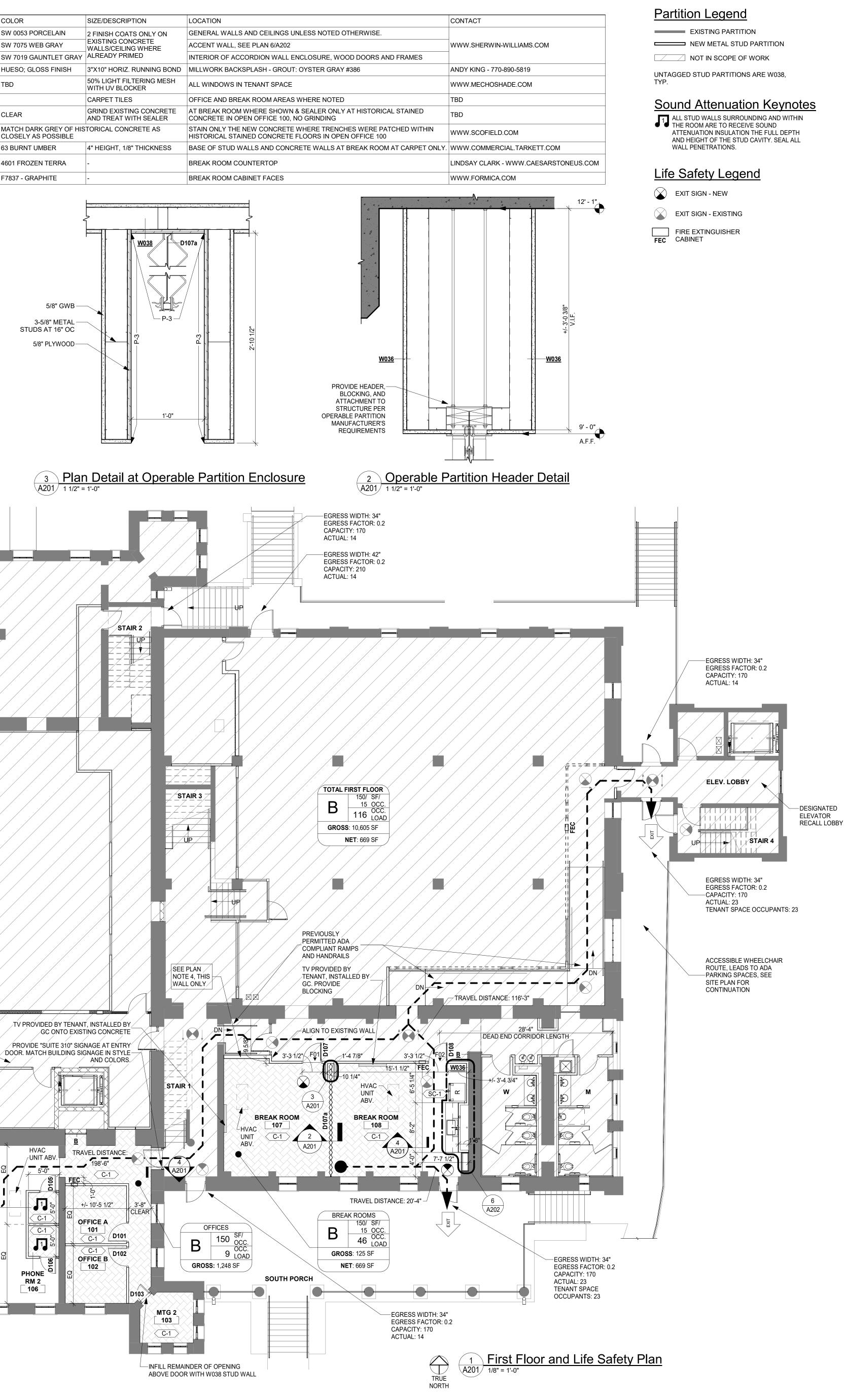


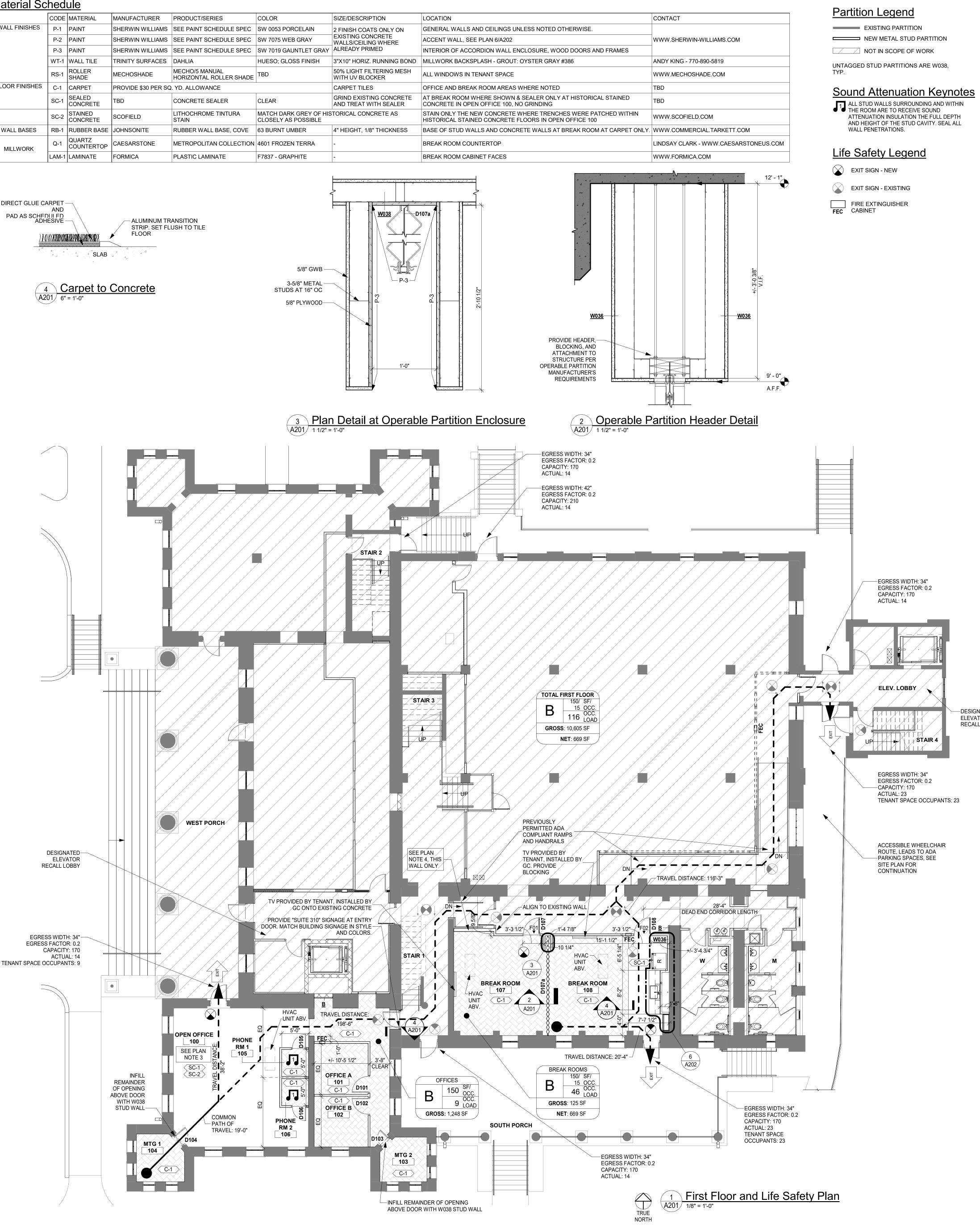


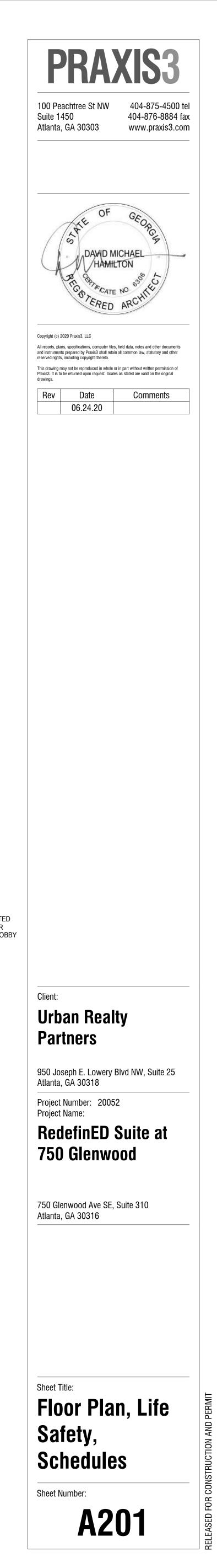












Millwork Specification Sections

SECTION 12 3669 - QUARTZ AGGLOMERATE COUNTERTOPS

PART 1 - GENERAL

HYPERLINK "http://contact.arcomnet.com/ContentContact.aspx?sect=12366119&ver=09/01/14&format=FL&sid=10136" 1.1 RELATED DOCUMENT A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply

to this Section. 1.2 SUMMARY A. Section Includes:

1. Quartz agglomerate countertops. B. Related Requirements:

1. Section 22 4100 "Residential Plumbing Fixtures" for sinks and plumbing fittings. 1.3 ACTION SUBMITTALS

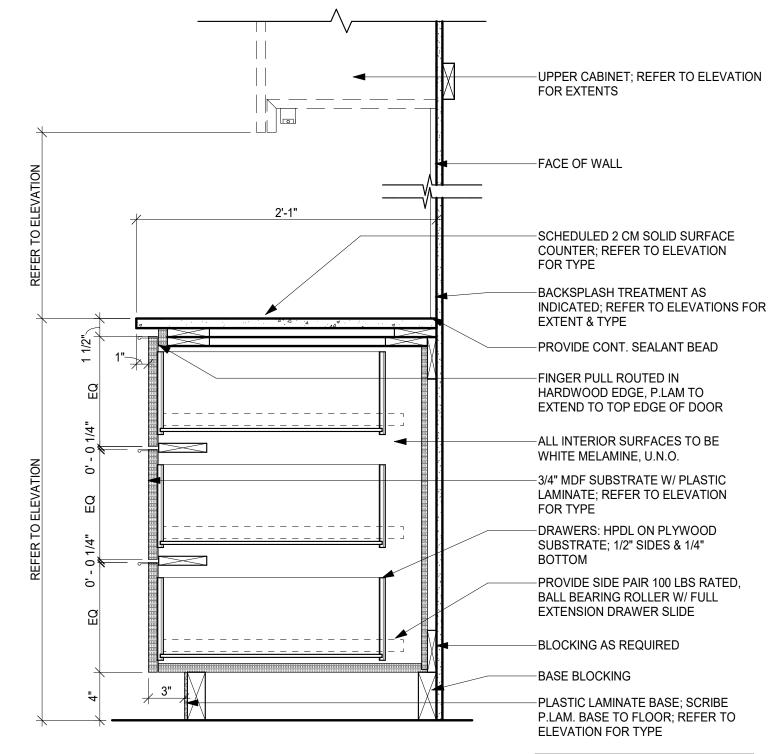
- A. Product Data: For countertop materials.
- B. Shop Drawings: For countertops. Show materials, finishes, edge profiles, methods of joining, and cutouts for plumbing fixtures. 1. Show locations and details of joints. D. Samples for Verification: For the following products:
- 1. Countertop material, 6 inches square.
- 1.4 INFORMATIONAL SUBMITTALS A. Qualification Data: For fabricator.
- 1.5 CLOSEOUT SUBMITTALS A. Maintenance Data: For quartz agglomerate countertops to include in maintenance manuals. Include Product Data for care products used or recommended by Installer and names, addresses, and telephone numbers of local sources for products. 1.6 QUALITY ASSURANCE
- A. Installer Qualifications: Fabricator of countertops. 1.7 FIELD CONDITIONS
- A. Field Measurements: Verify dimensions of countertops by field measurements after base cabinets are installed but before countertop fabrication is complete. 1.8 COORDINATION

A. Coordinate locations of utilities that will penetrate countertops or backsplashes.

PART 2 - PRODUCTS

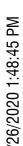
- 2.1 QUARTZ AGGLOMERATE COUNTERTOP MATERIALS
- A. Quartz Agglomerate: Solid sheets consisting of quartz aggregates bound together with a matrix of filled plastic resin and complying with ICPA SS-1, except for composition. 1. <u>HYPERLINK "http://www.specagent.com/Lookup?ulid=12344" Manufacturers:</u> Subject to compliance with requirements, provide products by one of the following:
- a. <u>HYPERLINK "http://www.specagent.com/Lookup?uid=123457026059" Caesarstone</u> 2. Colors and Patterns: Metropolitan Collection; Color: 4601 Frozen Terra
- B. Plywood: Exterior softwood plywood complying with DOC PS 1, Grade C-C Plugged, touch sanded. 2.2 COUNTERTOP FABRICATION
- A. Fabricate countertops according to quartz agglomerate manufacturer's written instructions and the AWI/AWMAC/WI's "Architectural Woodwork Standards." 1. Grade: Premiun
- B. Countertops: 3/4-inch-thick, quartz agglomerate with front edge built up with same material. C. Joints: Fabricate countertops without joints where possible.
- G. Cutouts and Holes:
- 1. Undercounter Plumbing Fixtures: Make cutouts for fixtures in shop using template or pattern furnished by fixture manufacturer. Form cutouts to smooth, even curves. a. Provide vertical edges, slightly eased at juncture of cutout edges with top and bottom surfaces of countertop and projecting 3/16 inch into fixture opening. 2. Fittings: Drill countertops in shop for plumbing fittings, undercounter soap dispensers, and similar items.
- 2.4 INSTALLATION MATERIALS
- A. Adhesive: Product recommended by quartz agglomerate manufacturer. B. Sealant for Countertops: Comply with applicable requirements in Section 07 9200 "Joint Sealants."
- PART 3 EXECUTION
- 3.1 EXAMINATION A. Examine substrates to receive quartz agglomerate countertops and conditions under which countertops will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of countertops.
- B. Proceed with installation only after unsatisfactory conditions have been corrected. 3.2 INSTALLATION
- A. Install countertops level to a tolerance of 1/8 inch in 8 feet, 1/4 inch maximum. Do not exceed 1/64-inch difference between planes of adjacent units. B. Fasten subtops to cabinets by screwing through subtops into cornerblocks of base cabinets. Shim as needed to align subtops in a level plane. C. Secure countertops to subtops with adhesive according to quartz agglomerate manufacturer's written instructions. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with quartz agglomerate manufacturer's written instructions. Carefully dress
- joints smooth, remove surface scratches, and clean entire surface. D. Bond joints with adhesive and draw tight as countertops are set. Mask areas of countertops adjacent to joints to prevent adhesive smears. 1. Install metal splines in kerfs in countertop edges at joints where indicated. Fill kerfs with adhesive before inserting splines and remove
- excess immediately after adjoining units are drawn into position. 2. Clamp units to temporary bracing, supports, or each other to ensure that countertops are properly aligned and joints are of specified width. E. Complete cutouts not finished in shop. Mask areas of countertops adjacent to cutouts to prevent damage while cutting. Make cutouts to accurately fit items to be installed, and at right angles to finished surfaces unless beveling is required for clearance. Ease edges slightly to prevent snipping. F.Apply sealant to gaps at walls; comply with Section 07 9200 "Joint Sealants."

END OF SECTION 12 3669





ON BLOCKING



SECTION 06 4116 - PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

HYPERLINK "http://contact.arcomnet.com/ContentContact.aspx?sect=064116&ver=06/01/17&format=SF&sid=13853" 1.1 SUMMARY

1. Plastic-laminate-clad architectural cabinets. 2. Wood furring, blocking, shims, and hanging strips for installing plastic-laminate-clad architectural cabinets that are not concealed within other

PART 1 - GENERAL

A. Section Includes:

construction.

requirements.

B. Shop Drawings:

PART 2 - PRODUCTS

requirements:

defective.

2.6 FABRICATION

PART 3 - EXECUTION

3.1 INSTALLATION

1.2 PREINSTALLATION MEETINGS A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS A. Product Data: For each type of product.

1. Include data for fire-retardant treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with

1. Include plans, elevations, sections, and attachment details. 2. Apply AWI Quality Certification Program label to Shop Drawings.

. Samples: For each exposed product and for each color and texture specified. 1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For manufacturer and Installer. B. Research reports. C. Field quality control reports.

1.5 CLOSEOUT SUBMITTALS

A. Quality Standard Compliance Certificates: AWI Quality Certification Program certificates. 1.6 QUALITY ASSURANCE

A. Manufacturer's Qualifications: Employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance. 1. Manufacturer's Certification: Licensed participant in AWI's Quality Certification Program.

B. Installer Qualifications: Licensed participant in AWI's Quality Certification Program.

2.1 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

A. Quality Standard: Unless otherwise indicated, comply with the Architectural Woodwork Standards for grades of cabinets indicated for construction, finishes, installation, and other requirements. 1. Provide labels and certificates from AWI certification program indicating that woodwork complies with requirements of grades specified.

Architectural Woodwork Standards Grade: Custom Type of Construction: Frameless.

Door and Drawer-Front Style: Flush overlay. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or if not indicated, as required by quality standard. 1. Products: Subject to compliance with requirements, provide one of the following:

a. Formica Corporation F.Laminate Cladding for Exposed Surfaces: 1. Horizontal Surfaces: Grade HGS. 2. Postformed Surfaces: Grade HGP.

3. Vertical Surfaces: Grade VGS. 4. Edges: Grade HGS. G. Concealed Backs of Panels with Exposed Plastic-Laminate Surfaces: High-pressure decorative laminate, NEMA LD 3, Grade BKL.

H. Drawer Construction: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body. 1. Join subfronts, backs, and sides with glued dovetail joints.

I. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following 1. Color: F7837 Graphite

2.2 WOOD MATERIALS

A. Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated. 1. Wood Moisture Content: 8 to 13 percent.

B. Composite Wood and Agrifiber Products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.

1. Medium-Density Fiberboard (MDF): ANSI A208.2, Grade 130.

2. Particleboard: ANSI A208.1, Grade M-2. 3. Straw-Based Particleboard: ANSI A208.1, Grade M-2, except for density.

4. Softwood Plywood: DOC PS 1, medium-density overlay. 5. Thermoset Decorative Panels: Particleboard or MDF finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of NEMA LD 3, Grade VGL, for Test Methods 3.3, 3.4, 3.6, 3.8, and 3.10.

2.3 FIRE-RETARDANT-TREATED MATERIALS A. Fire-Retardant-Treated Materials, General: Where fire-retardant-treated materials are indicated, use materials that are acceptable to authorities having jurisdiction as determined by testing performed on identical products by a qualified testing agency.

1. Use treated materials that comply with requirements of referenced quality standard. Do not use materials that are warped, discolored, or otherwise 2. Use fire-retardant-treatment formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated

materials from untreated materials. 3. Identify fire-retardant-treated materials with appropriate classification marking of qualified testing agency in the form of removable paper label or imprint on surfaces that will be concealed from view after installation. 2.4 CABINET HARDWARE AND ACCESSORIES

A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets B. Frameless Concealed Hinges (European Type): BHMA A156.9, B01602, 100 degrees of opening, self-closing.

Back-Mounted Pulls: BHMA A156.9, B02011.

Wire Pulls: Back mounted, solid metal, 4 inches long, 5/16 inch in diameter. Catches: Magnetic catches, BHMA A156.9, B03141.

Adjustable Shelf Standards and Supports: BHMA A156.9, B04071; with shelf rests, B04081. B. Shelf Rests: BHMA A156.9, B04013; two-pin plastic with shelf hold-down clip.

H. Drawer Slides: BHMA A156.9. 1. Grade 1HD-100 and Grade 1HD-200: Side mounted; full-extension type; zinc-plated-steel ball-bearing slides.

2. For drawers more than 3 inches high, but not more than 6 inches high and not more than 24 inches wide, provide Grade 1HD-100. 3. For drawers more than 6 inches high or more than 24 inches wide, provide Grade 1HD-100. Door Locks: BHMA A156.11, E07121.

Drawer Locks: BHMA A156.11, E07041. K. Door and Drawer Silencers: BHMA A156.16, L03011.

L. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.

1. Satin Stainless Steel: BHMA 630. M. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

2.5 MISCELLANEOUS MATERIALS A. Furring, Blocking, Shims, and Hanging Strips: Fire-retardant-treated softwood lumber, kiln-dried to less than 15 percent moisture content.

B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors. Adhesive for Bonding Plastic Laminate: Type informed by fabricator to suit application

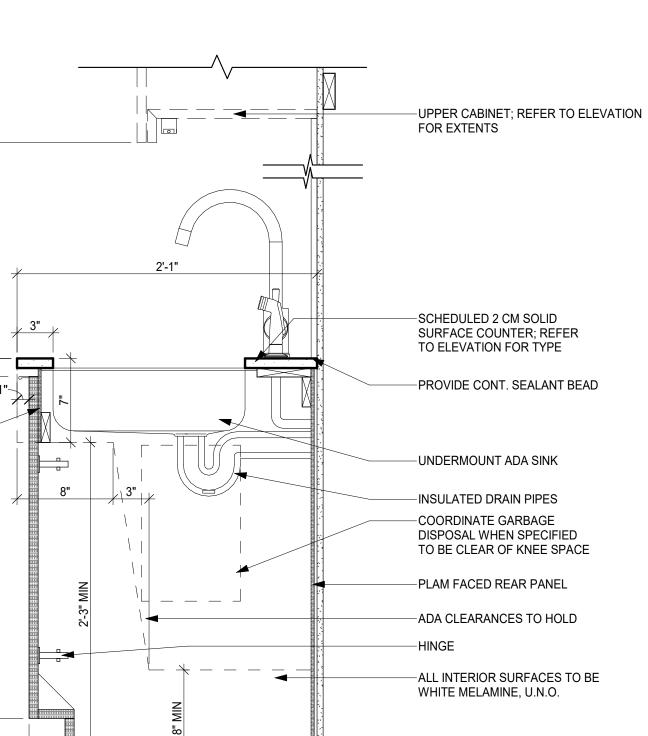
A. Complete fabrication, including assembly and hardware application, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting. B. Shop-cut openings to maximum extent possible to receive hardware, appliances, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

A. Before installation, condition cabinets to humidity conditions in installation areas for not less than 72 hours. B. Architectural Woodwork Standards Grade: Install cabinets to comply with quality standard grade of item to be installed.

. Anchor cabinets to anchors or blocking built in or directly attached to substrates. Secure with wafer-head cabinet installation screws. Install cabinets level, plumb, and true in line to a tolerance of using concealed shims.

1. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts. 2. Install cabinets without distortion so doors and drawers fit openings and are accurately aligned. Adjust hardware to center doors and drawers in

openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated. 3. Fasten wall cabinets through back, near top and bottom, and at ends not more than 16 inches o.c. with No. 10 wafer-head screws sized for not less than 1-1/2-inchpenetration into wood framing, blocking, or hanging strips.



FOR EXTENTS

SCHEDULED 2 CM SOLID SURFACE COUNTER; REFER TO ELEVATION FOR TYPE

-PROVIDE CONT. SEALANT BEAD

-UNDERMOUNT ADA SINK

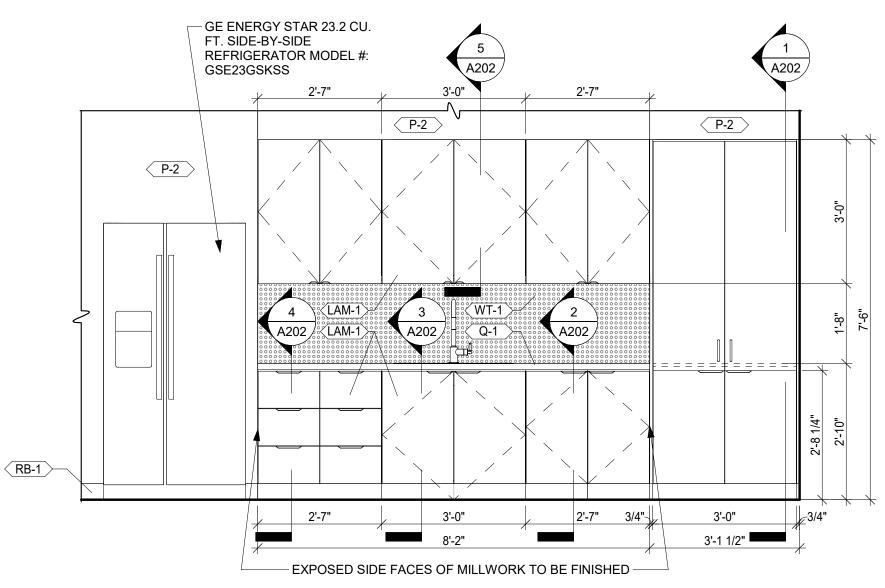
-COORDINATE GARBAGE DISPOSAL WHEN SPECIFIED TO BE CLEAR OF KNEE SPACE

-PLAM FACED REAR PANEL -ADA CLEARANCES TO HOLD

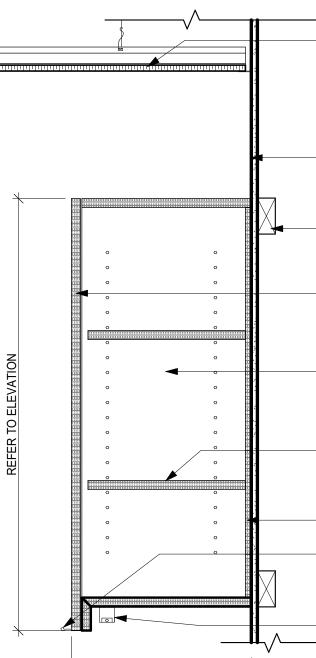
-ALL INTERIOR SURFACES TO BE

-PLASTIC LAMINATE BASE ATTACHED TO DOORS W/ 1/2" GAP @ FLOOR; REFER TO ELEVATION FOR TYPE NOTE:

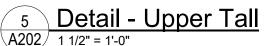
ALL CABINET DOORS TO RECEIVE RUBBER BUMPERS

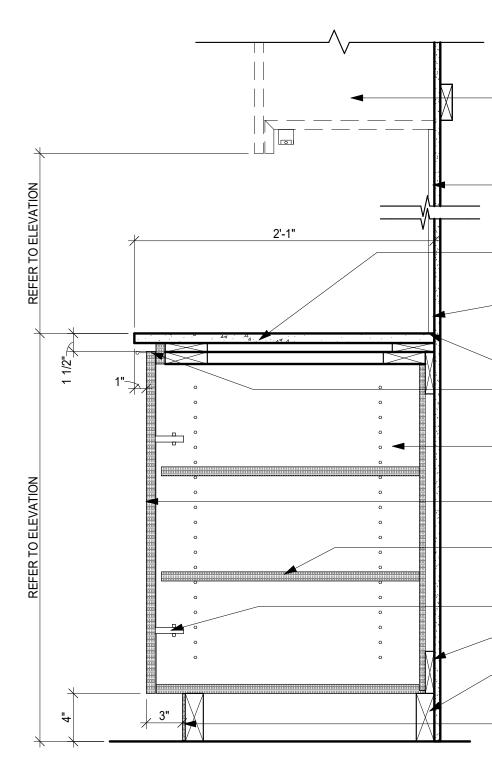






REFER TO PLAN





Base with Sink - SS Top

-SCHEDULED CEILING SYSTEM; REFER

TO RCP FOR TYPE

-FACE OF WALL

-2X4 VERTICAL SPLIT BLOCKING FIRE RETARDANT TREATED AS REQUIRED

-3/4" MDF W/ PLASTIC LAMINATE; REFER TO ELEVATION & FINISH PLAN FOR PLASTIC LAMINATE TYPE

-INTERIOR SURFACE TO BE WHITE MELAMINE

-3/4" ADJUSTABLE PLASTIC LAMINATE SHELVES ON RECESSED STANDARDS

-CABINET BACK IS 1/2" MDF -DOOR PULL. AS SCHEDULED: REFER TO FINISH LEGEND

-CONTINUOUS LED LIGHT STRIP, AS SCHEDULED

> -UPPER CABINET; REFER TO ELEVATION FOR EXTENTS -FACE OF WALL

-SCHEDULED 2 CM SOLID SURFACE COUNTER; REFER TO ELEVATION FOR TYPE

-BACKSPLASH TREATMENT AS INDICATED; REFER TO ELEVATIONS FOR EXTENT & TYPE -PROVIDE CONT. SEALANT BEAD -FINGER PULL ROUTED IN

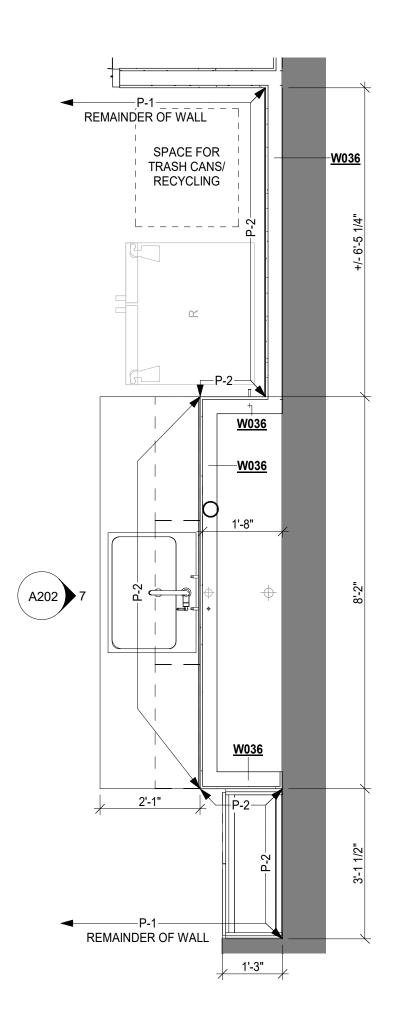
HARDWOOD EDGE, P.LAM TO EXTEND TO TOP EDGE OF DOOR -ALL INTERIOR SURFACES TO BE WHITE MELAMINE, U.N.O.

-3/4" MDF SUBSTRATE W/ PLASTIC LAMINATE; REFER TO ELEVATION FOR TYPE -ADJUSTABLE 3/4" MDF SHELVES W/ HIGH PRESSURE PLASTIC LAMINATE ON PINS, WHITE U.N.O. -HINGE

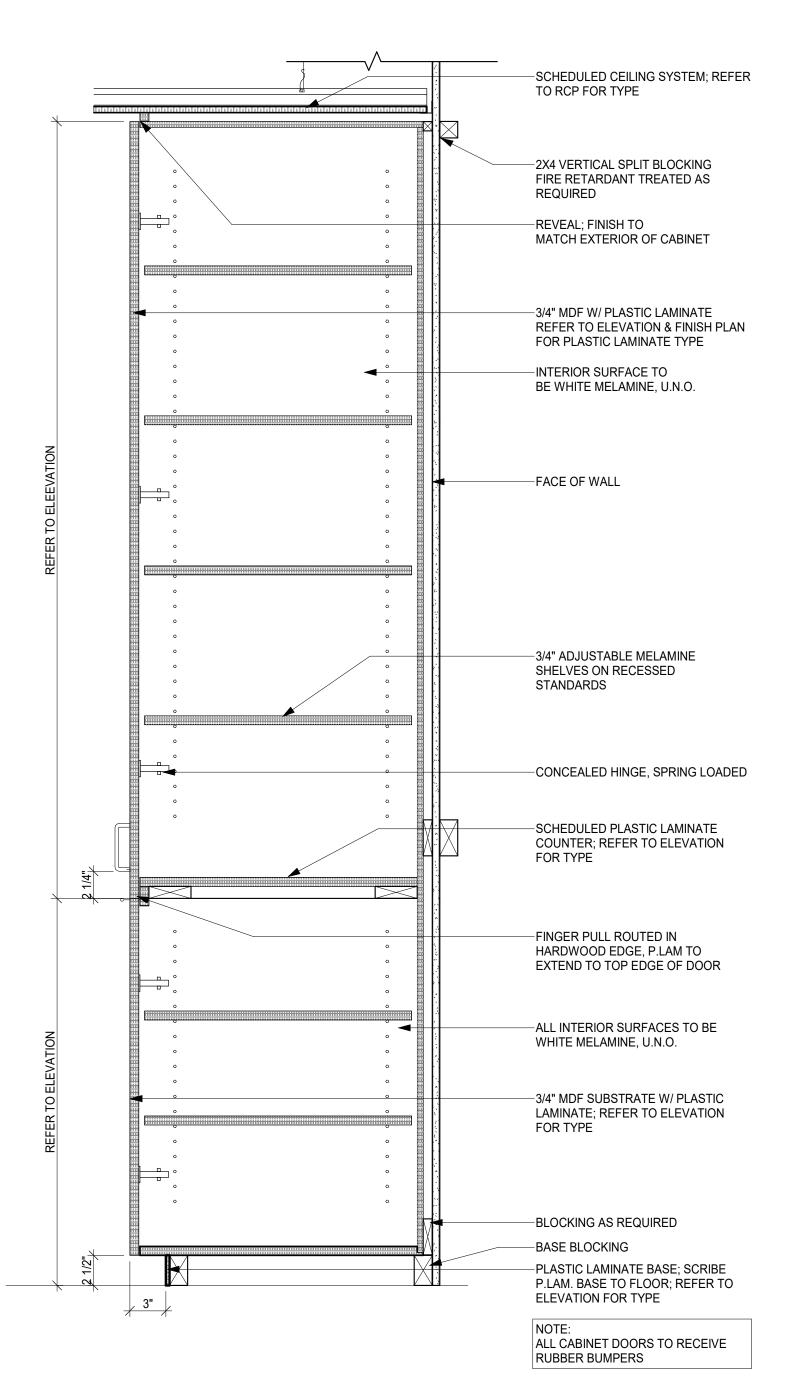
-BLOCKING AS REQUIRED -BASE BLOCKING

-PLASTIC LAMINATE BASE; SCRIBE P.LAM. BASE TO FLOOR; REFER TO ELEVATION FOR TYPE

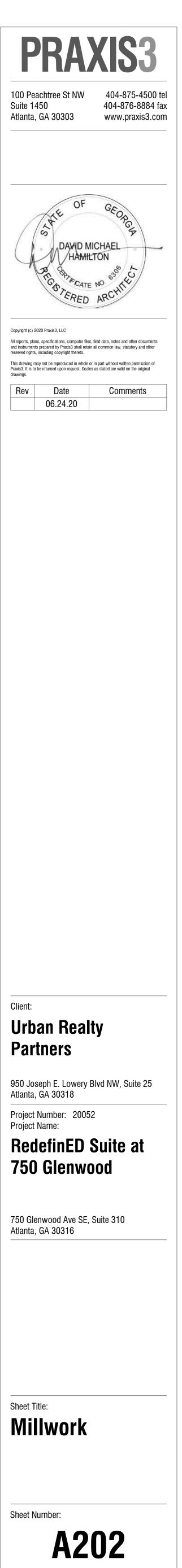
NOTE: ALL CABINET DOORS TO RECEIVE RUBBER BUMPERS



Break Room Millwork Plan



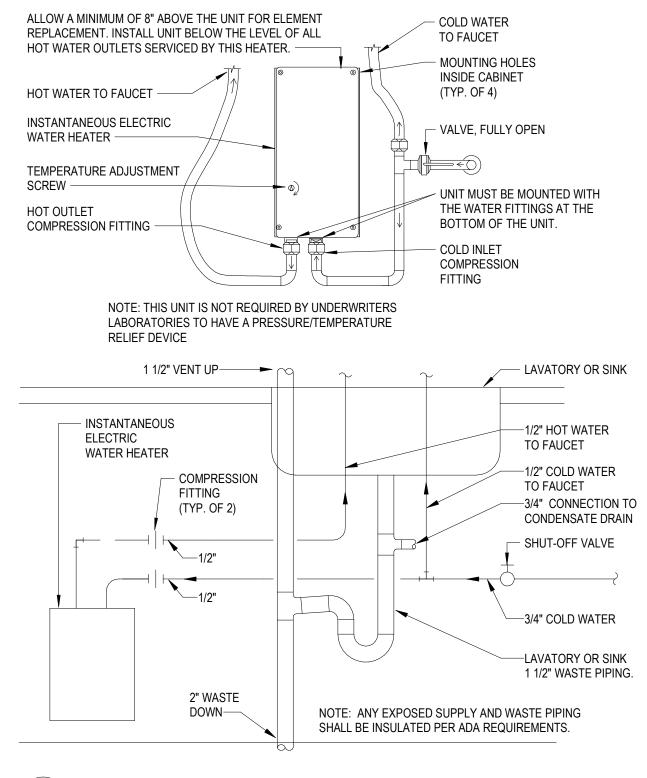
1 Full Height Cabinet



| GENERAL MECHANICAL SYMBOLS | HVAC SYMBOLS |
|--|---|
| REVISION NUMBER - SHOWN ON PLANS | 16x8 SQUARE DUCT SIZE TAG (WIDTH x HEIGHT) |
| POINT WHERE NEW CONNECTS TO EXISTING | 16/8 OVAL DUCT SIZE TAG (WIDTH / HEIGHT) |
| - NUMBER OF DETAIL ON SHEET | 16ø ROUND DUCT SIZE TAG (DIAMETER) |
| NUMBER OF SHEET WHERE DETAIL APPEARS | (E) EXISTING DUCT TAG |
| 1 KEYNOTE | |
| CONTINUATION SYMBOL | |
| Room 1 ROOM NAME AND NUMBER | SA SUPPLY AIR |
| | S-OA CONDITIONED OUTSIDE AIR |
| ITEM TO BE DEMOLISHED | OA OUTSIDE AIR |
| | RA RETURN AIR |
| PIPE SIZE TAG (DIAMETER) ABOVE GROUND PIPING | TA TRANSFER AIR |
| 1/8" / 12" SLOPE PIPE SLOPE TAG | EA EXHAUST AIR |
| BELOW GROUND PIPING INVERT: -10' - 1" PIPE INVERT ELEVATION TAG | LA RELIEF AIR |
| $ (E)^{-}$ EXISTING PIPE TAG | GEA GREASE EXHAUST AIR |
| PIPING BEING DEMOLISHED | |
| ABBREVIATIONS | FLUE EXHAUST GAS FLUE |
| Ø ROUND LVR LOUVER ABV ABOVE LWT LEAVING WATER TEMPERATURE | |
| ABV ABOVE LWT LEAVING WATER TEMPERATURE AC AIR CONDITIONING M/A MIXED AIR AD AREA DRAIN MAX MAXIMUM | CA COMBUSTION AIR |
| ADD ADDENDUM MBH ONE THOUSAND BTU PER HOUR AFF ABOVE FINISHED FLOOR MCF ONE THOUSAND CUBIC FEET | DROP RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE |
| AFUE ANNUAL FUEL UTILIZATION EFFICIENCY MD MOTORIZED DAMPER ALT ALTERNATE MECH MECHANICAL | DROP ROUND SUPPLY/OUTSIDE AIR DUCT RISE |
| AP ACCESS PANEL MFR MANUFACTURER ARCH ARCHITECT/ARCHITECTURAL MIN MINIMUM | DROP RECTANGULAR RETURN/TRANSFER AIR DUCT RISE |
| BFF BELOW FINISHED FLOOR MISC MISCELLANEOUS BLW BELOW MTR MOTOR BTU BRITISH THERMAL UNITS MU/A MAKE-UP/AIR | DROP CONTROUND RETURN/TRANSFER AIR DUCT RISE |
| BTUH BRITISH THERMAL UNITS PER HOUR NC NOISE CRITERIA CAP CAPACITY NC NORMALLY CLOSED | DROP RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE |
| CBCATCH BASINNICNOT IN CONTRACTCFMCUBIC FEET PER MINUTENONUMBER | DROP OR ROUND EXHAUST/RELIEF AIR DUCT RISE |
| CLG CEILING NO NORMALLY OPEN CO CLEAN OUT NTS NOT TO SCALE | GRILLES, REGISTERS & DIFFUSERS TAG |
| CW COLD WATER O OXYGEN D DEGREE O/A OUTSIDE AIR DB DRY BULB ORD OVERFLOW ROOF DRAIN | TYPE (SEE SCHEDULE) |
| DIA DIAMETER PD PRESSURE DROP DN DOWN PIV POST INDICATOR VALVE | 3-CONE DIFFUSER |
| DWDISTILLED WATERPLBGPLUMBINGEAEACHPRESSPRESSURE | THROW PATTERN MAX NC RATING |
| EAT ENTERING AIR TEMPERATURE PRV PRESSURE REDUCING VALVE ELEC ELECTRICAL PSI POUNDS PER SQUARE INCH | PERFORATED DIFFUSER SD3 300 WITH DEFLECTORS |
| EQUIPEQUIPMENTPSIGPOUNDS PER SQUARE INCH GAUGEEWCELECTRIC WATER COOLERPWRPOWEREWTENTERING WATER TEMPERATURERDUCT RISER | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ |
| EXIST EXISTING WATER TEMPERATORE RADIANT CEILING PANEL | ADJUSTABLE PATTERNS A 12ø / EGGCRATE RETURN GRILLE |
| FDEGREES FAHRENHEITRDROOF DRAINFCOFLOOR CLEAN OUTRECRECESSED | SUPPLY GRILLE SR 500 12x10 / RG9 500 12x10 / 24x12 |
| FDFLOOR DRAINREDREDUCERFDFIRE DAMPERRHRELATIVE HUMIDITY | LOUVERED GRILLE |
| FDVFIRE DEPARTMENT VALVERL/ARELIEF AIRFLFLOORRMROOMFOFUEL OILRPMREVOLUTIONS PER MINUTE | LINEAR BAR GRILLE 48x3 LINEAR DIFFUSER TAG |
| FOV FUEL OIL VENT RW RAIN WATER FOR FUEL OIL RETURN SF SQUARE FOOT | CFM TYPE (SEE SCHEDULE) - LSD1 200 NUMBER OF SLOTS / NUMBER OF SLOTS / |
| FOSFUEL OIL SUPPLYS/ASUPPLY AIRFPMFEET PER MINUTESANSANITARY | ACTIVE SLOT LENGTH (PLENUM LENGTH) 8' - 0" AFF NECK SIZE |
| FSFLOOR SINKSFSQUARE FOOTFTFOOT/FEETSDSMOKE DAMPER | LSD1 200 1 / 4' - 0" / 8ø ELEVATION (CENTER OF FACE) SECTION TOTAL TRACK LENGTH |
| FTRFIN TUBE RADIATIONSMSURFACE MOUNTGALGALLONSPSTANDPIPEGCGENERAL CONTRACTORSPSTATIC PRESSURE | LINEAR SLOT DIFFUSER |
| GC GENERAL CONTRACTOR SP STATIC PRESSURE GPM GALLONS PER MINUTE STM STEAM GW GREASE WASTE T THERMOSTAT | B B B INLET COLLAR DAMPER |
| HBHOSE BIBTDTEMPERATURE DROPHPHORSE POWERTDRTRENCH DRAIN | MECHANICAL EQUIPMENT TAGS |
| HTGHEATINGTEMPTEMPERATUREHTRHEATERTYPTYPICAL | VAV-XX RTU-XX Htg: 3.7 GPM — HEATING COIL OPERATING WEIGHT |
| HWHOT WATERUGUNDERGROUNDHYDHYDRANTVACVACUUMIDINDIRECTVVENT | |
| IN INCH VAV VARIABLE AIR VOLUME INV INVERT VENT VENT VENTILATION | VAV-XX 40 ton |
| LB POUND VTR VENT THROUGH ROOF LB/HR POUNDS PER HOUR W WASTE | ELEVATION NOMINAL COOLING ROOFTOP UNIT |
| LAT LEAVING AIR TEMPERATURE WB WET BULB LP LOW PRESSURE WCO WALL CLEAN OUT | EXISTING EQUIPMENT CAPACITY (E) VAV-XX TO REMAIN RTU-XX |
| | FUEL INPUT GAS PIPE FLOW - 115,000 Btu/h 115 CFH |
| EQUIPMENT ABBREVIATIONS AC AIR CONDITIONING UNIT EWH ELECTRIC WATER HEATER | VAV-XX (REFER TO OTHER DISCIPLINE FOR ADDITIONAL |
| ACC AIR COOLED CONDENSER FCU FAN COIL UNIT ACCU AIR COOLING CONDENSING UNIT FP FIRE PUMP | INFORMATION) DATA DEVICE TAGS SYMBOL |
| AHUAIR HANDLING UNITGIGREASE INTERCEPTORASAIR SEPARATORGRVGRAVITY ROOF VENTILATOR | CARBON DIOXIDE SENSOR CO2 TH RTU-XX TEMPERATURE & HUMIDITY SENSOR |
| BBOILERHWPHEATING WATER PUMPCHCHILLERHXHEAT EXCHANGER | CARBON MONOXIDE SENSOR CO TS VAV-XX TEMPERATURE SENSOR |
| CTCOOLING TOWERHRUHEAT RECOVERY UNITCUHCABINET UNIT HEATERPRVPOWER ROOF VENTILATORCWPCONDENSER WATER PUMPRERETURN/EXHAUST FAN | NITROGEN DIOXIDE SENSOR NO2 T THERMOSTAT |
| CHWP CONDENSER WATER PUMP RE RETURN/EXHAUST FAN CHWP CHILLED WATER PUMP RTU ROOFTOP UNIT DBP DOMESTIC WATER BOOSTER PUMP SEP SEWAGE EJECTOR PUMP | HUMIDITY SENSOR HS MS MANUAL SWITCH |
| DC DUCT MOUNTED COIL SF SUPPLY FAN DCP DOMESTIC WATER CIRCULATING PUMP SP SUMP PUMP | HUMIDISTAT H S SENSOR |
| EFEXHAUST FANUHUNIT HEATEREDCELECTRIC DUCT COILWHWATER HEATERETEXPANSION TANK | DAMPER TAGS |
| ET EXPANSION TANK | |
| | SMOKE DAMPER S D BACKDRAFT DAMPER |
| | |
| | MOTORIZED DAMPER |
| | 1 |
| | |

| | AL PIPING SYMBOLS | MECHANICAL GENERAL NOTES |
|---|--|--|
| CHWR- | | * REMOVE ALL UNUSED PIPING, DUCTWORK, AND ACCESSORIES. |
| CHWR CHWS | CHILLED WATER SUPPLY | * THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR MECHANICAL SYSTEMS WITHIN TENANT SPACE |
| CD | CONDENSATE DRAINAGE | AND WITHIN CLOSE PROXIMITY OF TENANT SPACE. |
| CWR | CONDENSER WATER RETURN | EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS |
| CWS | CONDENSER WATER SUPPLY | AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVES AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL |
| HWR | | COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION |
| HWS | | * COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS. |
| REF-L | | * THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE |
| REF-S | | REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, |
| REF-HG | | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM. AND SHALL CONFROM |
| STM | — STEAM | TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL |
| CDR | CONDENSATE RETURN | MECHANICAL CODE. |
| GG | | LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. * ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. |
| PG | PROPANE GAS | * LOCATE DUCTWORK, PIPING, AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE |
| CA | COMPRESSED AIR | ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. * FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. REFER TO |
| CW | DOMESTIC COLD WATER | SPECIFICATION. |
| —————————————————————————————————————— | | * PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. |
| S-CW | SOFT COLD WATER | * ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL |
| F-CW | FILTERED COLD WATER | EQUIPMENT. |
| RO | REVERSE OSMOSIS WATER | REFER TO PLUMBING DRAWINGS FOR GAS PIPING. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE |
| | — HOT WATER | IS SHOWN. |
| HW 140° | — HOT WATER 140° | * FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS. |
| | HOT WATER RECIRCULATION | * INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S |
| HW-R 140° | HOT WATER RECIRCULATION 140° | WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS. |
| — — — | GREASE VENT | * LOCATIONS OF PIPING, DUCTWORK, AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE |
| GW | GREASE WASTE | APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. |
| | INDIRECT WASTE | * INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT |
| OV | - OIL VENT | CEILINGS. * SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE. |
| OW | OIL WASTE | * CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 4'-0" AFF, A |
| PD | PUMP DISCHARGE | MINIMUM OF 8" FROM LIGHT SWITCH. * REFER TO PIPING DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS. |
| — — — –V — — — | SANITARY VENT | * CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR |
| W | SANITARY SEWER | SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER WITH 1/2" THICK |
| CWV | COMBINATION WASTE & VENT | PREFORMED FIBERGLASS INSULATION. |
| SD | | * PROVIDE A 4" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED. |
| OSD | OVERFLOW STORM DRAINAGE | * ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS |
| | | OF 2" W.G. UNLESS NOTED OTHERWISE. * THE CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER |
| | 4"ø 4"ø 2"ø¬ | ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL |
| | | PUNCH. |
| | PLUG REDUCING 45 | PLUMBING GENERAL NOTES |
| | 4"ø | * REMOVE ALL UNUSED PIPING AND ACCESSORIES. |
| | 45 DEGREE TEE | * THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING SYSTEMS WITHIN TENANT SPACE AND |
| | CESSORY TAGS | WITHIN CLOSE PROXIMITY TO TENANT SPACE. |
| | 2" M-CNTRL MOTORIZED CONTROL VALVE | EQUIPMENT AND ITS ACCESSORIES. THE CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR |
| 2" BALANCING | 2" 3-WAY CNTRL | TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE |
| BALANCING VALVE | | LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION. |
| | 2" PRV | * WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR |
| →○ ✓ 1/4 TURN BALL VALVE | PRESSURE REDUCING VALVE | TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION. |
| | | COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS. |
| 2" TMV ———————————————————————————————————— | | * THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND |
| J-WAY IVIIXING VALVE | | THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE |
| 2 J-WAY MIXING VALVE | | REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, |
| 2 J-VVAY MIXING VALVE | | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. |
| | 4" AD 🗕 🛏 🚳 🛛 AREA DRAIN | * ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING |
| FLOOR DRAIN = 4" FD-1 FLOOR DRAIN = 4" FD-2P DRAIN 1 | AGS 4" PDD - @ DECK DRAIN | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM |
| FLOOR DRAIN I 4" FD-1 FLOOR DRAIN I 4" FD-2P DRAIN S | AGS 4" PDD - O DECK DRAIN | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. * LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. |
| FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR SINK | AGS 4" PDD - O DECK DRAIN HZE EE SCHEDULE) - 4" RD - C ROOF DRAIN | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. * LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. * ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. * LOCATE PIPING AND FOULIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS |
| FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR SINK HUB DRAIN HUB DRAIN FLOOR SINK FLOOR SINK FLOO | AGS 4" PDD - @ DECK DRAIN IZE EE SCHEDULE) - 4" RD - @ ROOF DRAIN ICATES | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. * LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. * ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. * LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. |
| FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR SINK HUB DRAIN FLOOR SINK FLOOR SINK FLO | AGS 4" PDD - O DECK DRAIN HZE EE SCHEDULE) - 4" RD - O ROOF DRAIN ICATES CONNECTION 4" ORD - O OVERFLOW ROOF DRAIN | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. * LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. * ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. * LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. * FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO |
| FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR SINK HUB DRAIN HUB DRAIN FLOOR SINK FLOOR SINK FLOO | AGS 4" PDD - @ DECK DRAIN IZE EE SCHEDULE) - 4" RD - @ ROOF DRAIN ICATES | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. * LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. * ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. * LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. * FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO SPECIFICATION. * PROVDE SLEEVS AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, |
| FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR SINK HUB DRAIN FLOOR SINK TYPE (S TYPE (S TYPE (S TYPE (S TYPE (S) TYPE (S) TYPE (S) TYPE (S) TYPE (S) TYPE (S) | AGS 4" PDD - O DECK DRAIN HZE EE SCHEDULE) - 4" RD - O ROOF DRAIN ICATES CONNECTION 4" ORD - O OVERFLOW ROOF DRAIN 6" CRD O ROOF DRAIN 6" CRD O COMBINATION 4000 SF O ROOF DRAINS E UNITS | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. * LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. * ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. * LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. * FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO SPECIFICATION. * PROVDE SLEEVS AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. |
| FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR SINK HUB DRAIN HUB DRAIN FLOOR SINK FLOOR SINK FLOO | AGS 4" PDD DECK DRAIN DZE EE SCHEDULE) 4" RD ROOF DRAIN ICATES CONNECTION 4" ORD OVERFLOW ROOF DRAIN 6" CRD A000 SF COMBINATION ROOF DRAINS E UNITS P-XH | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. * LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. * ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. * LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. * FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO SPECIFICATION. * PROVDE SLEEVS AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. |
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| FLUMBING FIXTURE TAGS | AGS 4" PDD O DECK DRAIN HZE EE SCHEDULE) - 4" RD O ROOF DRAIN HCATES CONNECTION 4" ORD OVERFLOW ROOF DRAIN 6" CRD 4" ORD OVERFLOW ROOF DRAIN 6" CRD 4000 SF COMBINATION ROOF DRAINS E UNITS P-XH OF AREA 1.5 CWFU VED BY DRAINS H WF U P-XH | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. * FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. * LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. * ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. * LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. * FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO SPECIFICATION. * PROVDE SLEEVS AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. * ADJUST PIPING SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. * REFER TO MECHANICAL DRAWINGS FOR A.C. CONDENSATE DRAIN PIPING. * PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNITL ANOTHER SIZE IS SHOWN. |
| LOOR DRAIN - 4" FD-1 FLOOR DRAIN - 4" FD-2P DRAIN DRAIN FLOOR SINK - 4" FS TYPE (S TYPE (S TYPE (S AT HD 8 WFU FIXTURE ROC SER WATER CLOSET - VALL HUNG ADA | AGS 4" PDD O DECK DRAIN HZE EE SCHEDULE) 4" RD O ROOF DRAIN ICATES CONNECTION 4" ORD OVERFLOW ROOF DRAIN 6" CRD 4000 SF COMBINATION ROOF DRAINS E UNITS P-XH P-XH P-XH P-XH P-XH P-XH P-XH P-XH P-XH P-XH | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO SPECIFICATION. PROVDE SLEEVS AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. ADJUST PIPING SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR A.C. CONDENSATE DRAIN PIPING. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNITL ANOTHER SIZE IS SHOWN. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS. |
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| FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR SINK HUB DRAIN FLUMBING FIXTURE TAGS WATER CLOSET - SCHEDI WALL HUNG ADA PIPE ACCESORY TAG ALL OF GENERAL NOTES ON THIS SHEET THIS SET. THE SYMBOLS AND ABBREVIAT | AGS 4" PDD © DECK DRAIN ACTES EE SCHEDULE) - 4" RD CONFILOW ROOF CONNECTION 6" CRD 4" ORD 6" CRD 4000 SF COMBINATION ROOF DRAINS EUNITS P-XH | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO SPECIFICATION. PROVDE SLEEVS AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. ADJUST PIPING SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR A.C. CONDENSATE DRAIN PIPING. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNITL ANOTHER SIZE IS SHOWN. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWING ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATE AND SUBJECT TO MINOR ADJUSTMENT |
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| FLOOR DRAIN FLOOR DRAIN FLOOR DRAIN FLOOR SINK FLOOR SINK FLOOR SINK FLOOR SINK FLOOR SINK FLOOR SINK FLOOR SINK FLUMBING FIXTURE TAGS WATER CLOSET SCHEDI WALL HUNG ADA FIXTURE TAGS WALL HUNG ADA FIXTURE TAGS ALL OF GENERAL NOTES ON THIS SHEET THIS SET. THE SYMBOLS AND ABBREVIAT | AGS 4" PDD © DECK DRAIN ACTES EE SCHEDULE) - 4" RD CONFILOW ROOF CONNECTION 6" CRD 4" ORD 6" CRD 4000 SF COMBINATION ROOF DRAINS EUNITS P-XH | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO SPECIFICATION. PROVDE SLEEVS AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. ADJUST PIPING SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR A.C. CONDENSATE DRAIN PIPING. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNITL ANOTHER SIZE IS SHOWN. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWING ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. INSTALL EXPOSED PIPING AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS. FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS. PITCH UNDERFLOOR SAONTARY WASTE PIPING AT 1/4" PER FOOT, UNLESS NOTED O |
| FLOOR DRAIN • 4" FD-1 FLOOR DRAIN • 4" FD-2P DRAIN S FLOOR SINK • 4" FS TYPE (S HUB DRAIN • 4" HD "P" - INC 8 WFU "P" - INC 9 FLUMBING FIXTURE TAGS WATER CLOSET - SCHEDI P-XH WALL HUNG'S ADASCHEDI P-XH 4" WCO PIPE ACCESORY TAG ALL OF GENERAL NOTES ON THIS SHEET THIS SET. THE SYMBOLS AND ABBREVIAT USED IN TH | AGS 4" PDD © DECK DRAIN ACTES EE SCHEDULE) - 4" RD CONFILOW ROOF CONNECTION 6" CRD 4" ORD 6" CRD 4000 SF COMBINATION ROOF DRAINS EUNITS P-XH | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO SPECIFICATION. PROVDE SLEEVS AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. ADJUST PIPING SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR A.C. CONDENSATE DRAIN PIPING. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNITL ANOTHER SIZE IS SHOWN. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWING ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK MAANSHIP CONSISTENT WITH THE SPECIFICATIONS. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWING ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK MAANSHIP CONSISTENT WITH THE SPECIFICATIONS. LICATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWING ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK MAALL BE COORDINATE |
| FLOOR DRAIN - 4" FD-1 FLOOR DRAIN - 4" FD-2P DRAIN S FLOOR SINK - 4" FS TYPE (S HUB DRAIN - 4" HD 'P" - INC 8 WFU 'P" - INC 9 FIXTURE 10 FIXTURE TAGS WATER CLOSET - SCHEDI P-XH 4" WCO PIPE ACCESORY TAG ALL OF GENERAL NOTES ON THIS SHEET THIS SET. THE SYMBOLS AND ABBREVIAT USED IN TH | AGS 4" PDD © DECK DRAIN EE SCHEDULE) – 4" RD © OVERFLOW ROOF CONNECTION 4" ORD © OVERFLOW ROOF DRAIN 6" CRD © COMBINATION ROOF DRAINS E UNITS P-XH | ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, UNCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL PLUMBING CODE. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF. LOCATE PIPING AND EQUIPMENT SWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT. FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERE TO SPECIFICATION. PROVDE SLEEVS AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. ADJUST PIPING SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR A.C. CONDENSATE DRAIN PIPING. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNITL ANOTHER SIZE IS SHOWN. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THA ESPECIFICATIONS. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWING ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. INSTALL EXPOSED PIPING AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS. FIELD VERIFY ALL NEW WATER, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS. PITCH UNDERFLOOR SANITARY WASTE PIPING AT 1/4" PER FOOT, UNLESS NOTED OTHERWISE. PITCH ALL OTHER STORM PIPING AT 1/4" PER FOOT, UNLESS NOTED OTHERWISE. PITCH ALL O |

| ID | DESCRIPTION | MANUFACTURER | MODEL | MATERIAL DESCRIPTION | FINISH |
|-----|------------------|--------------|--------------|-------------------------|--------------------|
| P-1 | SINGLE BOWL SINK | ELKAY | ELUHAD281645 | STAINLESS STEEL | STAINLESS STEEL |



1INSTANTANEOUS ELECTRIC WATER HEATERMP0011/8" = 1'-0"

| | DOMESTIC FIXTURE SCHEDULE | | | | | | | | | | | | | | |
|--------------|---------------------------|-----------------|------------|--------------|---------------|-----------------------|-----------------------|--|--|--|--|--|--|--|--|
| | TRIM | FLOW FIXTURE | | VENT PIPE | COLD WATER | HOT WATER | SPECIFICATION | REMARKS | | | | | | | |
| MANUFACTURER | MODEL | TYPE | WATER FLOW | Waste Pipe | SIZE | ROUGH-IN PIPE SIZE | Rough-in Pipe Size | OF LOW IDATION | | | | | | | |
| DELTA | 9959-DST | MANUAL | 1.5 GPM | 2" | 2" | 1/2" | 1/2" | SINGLE COMPARTMENT, ADA COMPLIANT, SELF-RIMMING, 18 GAUGE. SINGLE LEVER SWIVEL FAUCET. ONE ELKAY MODEL NO. LK35 BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS. | | | | | | | |

Titus

Titus

TAG MANUFACTURER MODEL NO.

TAG

DESCRIPTION

GRILLE

RG LOUVERED FILTER

SR SUPPLY GRILLE

| | | | OUTSIDE AIR | | | |
|------|-------------|-----------|----------------|-------|----|---|
| TAG | ARRANGEMENT | Airflow | FLOW | VOLT | PH | REMARKS |
| FC-A | Horizontal | 1,000 CFM | 175 CFM | 208 V | 1 | EXISTING UNIT TO REMAIN. CLEAN VERIFY OPERATION. |
| FC-B | Horizontal | 1,200 CFM | 115 CFM | 208 V | 1 | EXISTING UNIT TO REMAIN. CLEAN VERIFY OPERATION. |

| | FAN COIL UNIT SCHEDULE | | | | | | | | | | | | | |
|------|------------------------|-----------|----------------|-------|----|--|--|--|--|--|--|--|--|--|
| | | | OUTSIDE AIR | | | | | | | | | | | |
| TAG | ARRANGEMENT | Airflow | FLOW | VOLT | PH | REMARKS | | | | | | | | |
| FC-A | Horizontal | 1,000 CFM | 175 CFM | 208 V | 1 | EXISTING UNIT TO REMAIN. CLEAN AN VERIFY OPERATION. | | | | | | | | |
| FC-B | Horizontal | 1,200 CFM | 115 CFM | 208 V | 1 | EXISTING UNIT TO REMAIN. CLEAN AN VERIFY OPERATION. | | | | | | | | |

WATERSIDE

MIN

FLOW

DESIGN
 IWH-1
 EEMAX
 SP100
 INSTANTANEOUS
 1.5 GPM
 0.7 GPM
 46 °F
 1
 10 kW
 277 V

AIR DISTRIBUTION SCHEDULE

MANUFACTURER MODEL BORDER TYPE

INSTALLATION

MAX TEMP RISE

350RL TYPE 1 (SURFACE) SURFACE MOUNT RETURN GRILLE SHALL BE STEEL WITH

 300RL
 TYPE T (SURFACE)
 SURFACE MOUNT RETURN GRILLE SHALL BE STEEL WITH FIXED 35 DEGREE DEFLECTION, BLADES PARALLEL TO THE LONG DIMENSION AND 3/4" SPACING.

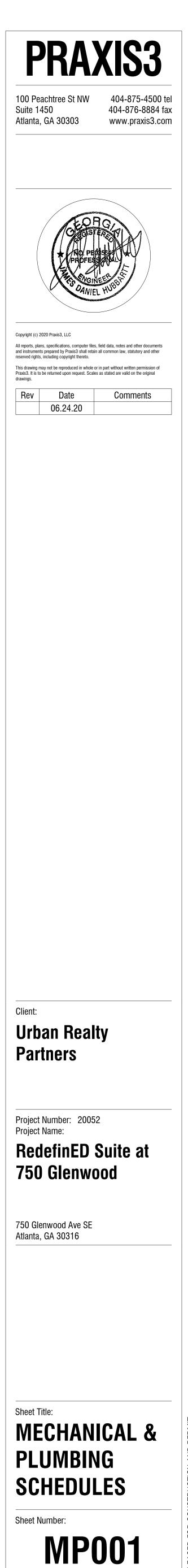
 300RS
 TYPE 1 (SURFACE)
 SUPPLY REGISTERS SHALL BE STEEL, DOUBLE DEFLECTION TYPE PROVIDED WITH OPPOSED BLADE DAMPER AND OUTER MOST SET OF DEFLECTORS PARALLEL TO EH SHORT DIMENSION.

HEATING ELEMEN7

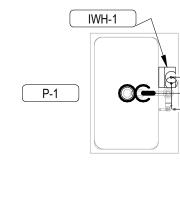
QTY POWER

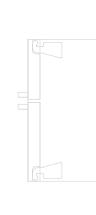
SPECIFICATION

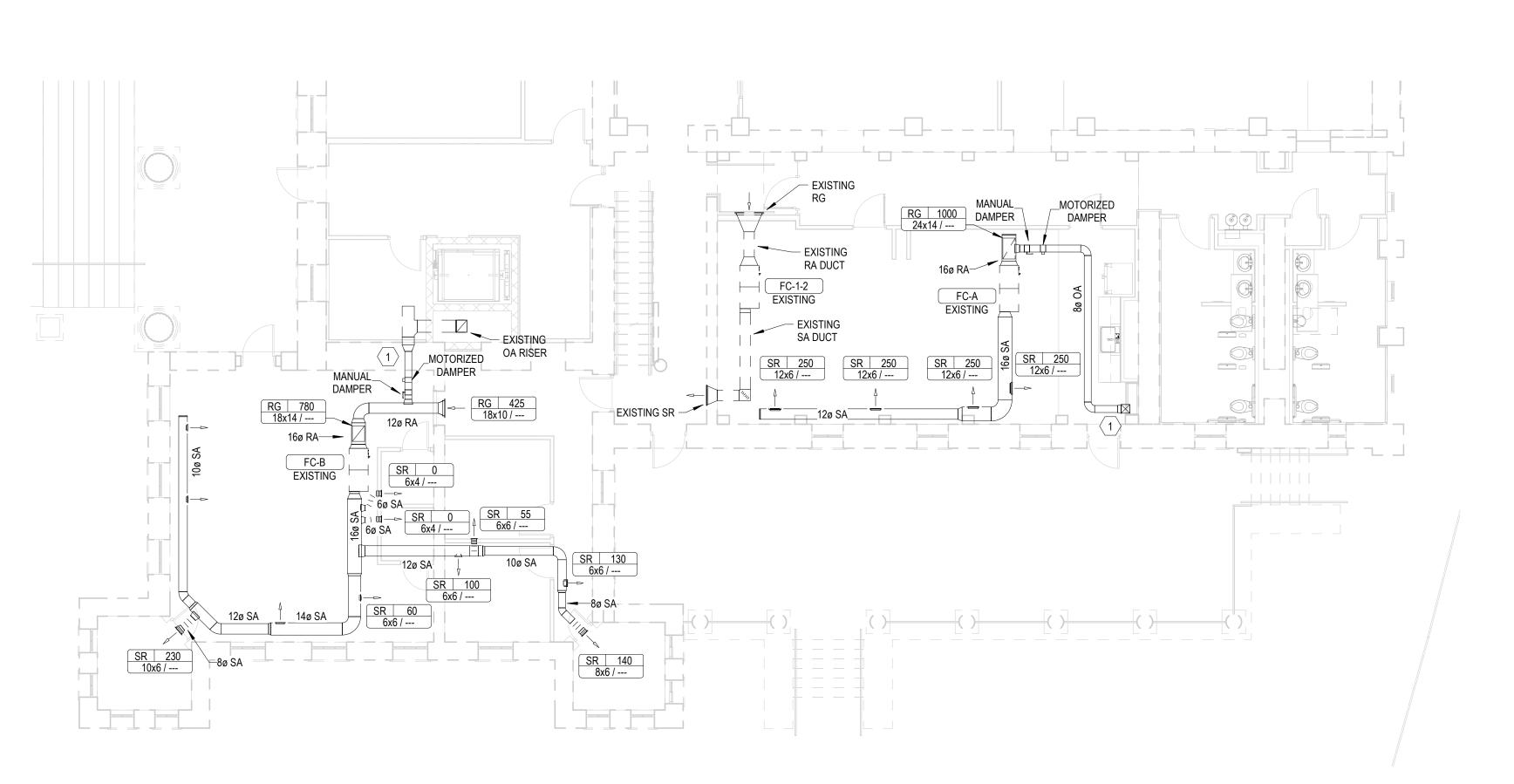
VOLT PH

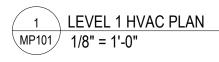


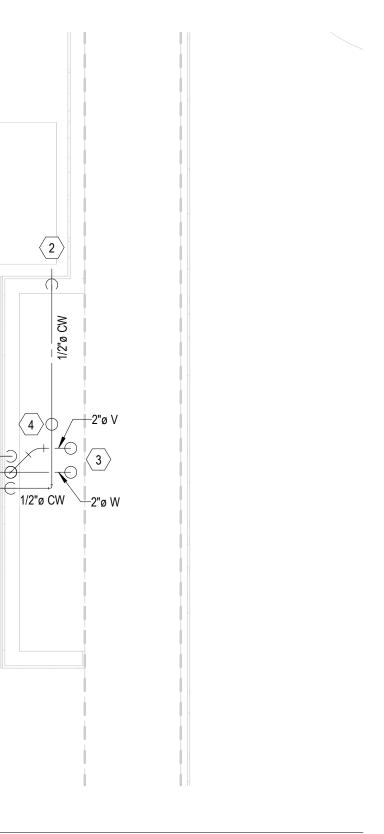
3 ENLARGED PLUMBING PLAN MP101 1/2" = 1'-0"

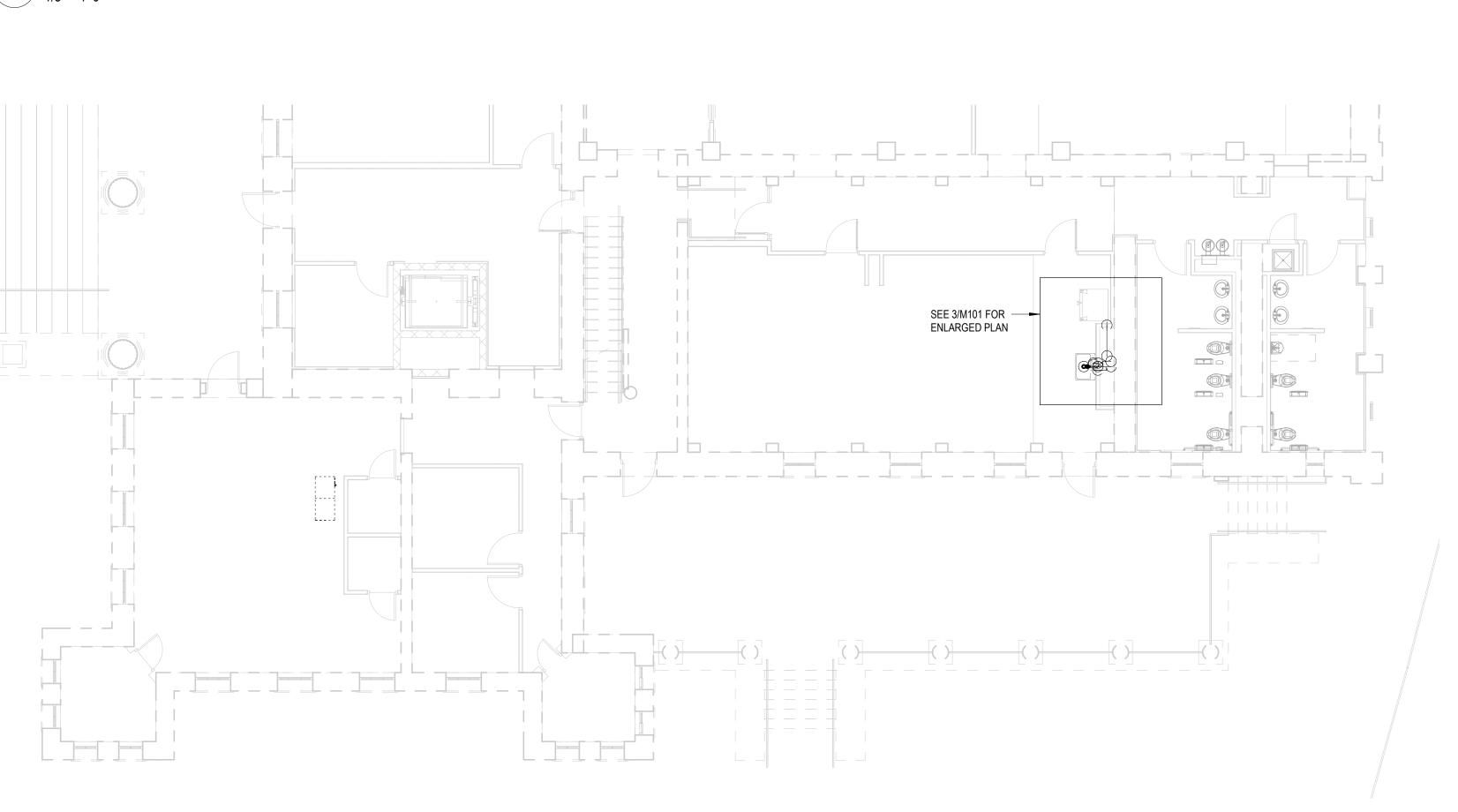


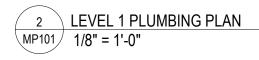


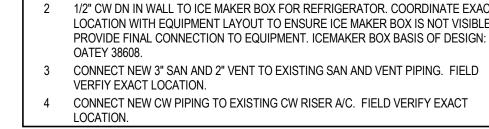


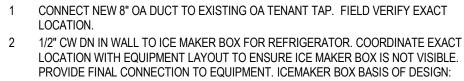








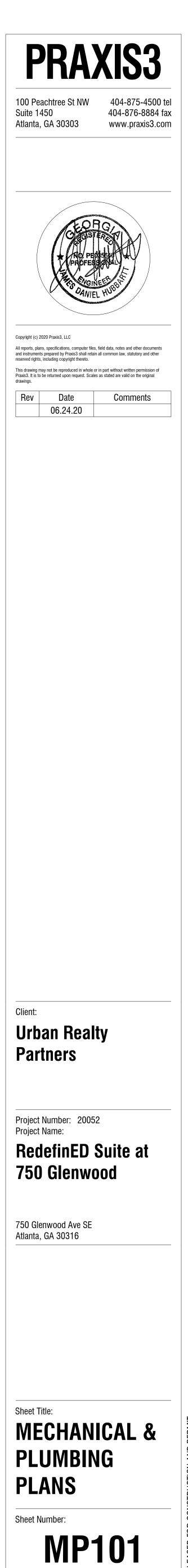




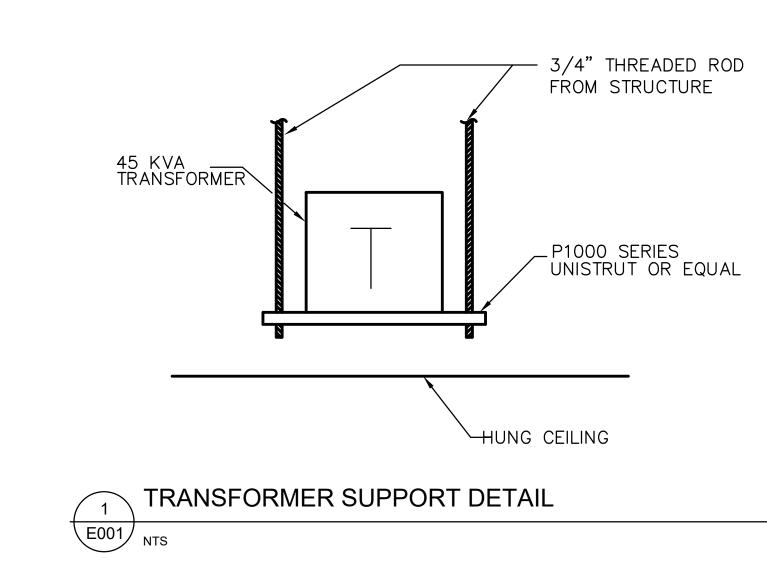
- CONNECT NEW 8" OA DUCT TO EXISTING OA TENANT TAP. FIELD VERIFY EXACT LOCATION.

- KEYNOTES





| | LI | GHTING | FIXTL | JRE SCHE | DULE | |
|---|--|---|--|--|--|--|
| DESCRIPTION | MOUNT | VOLTAGE | LAMP QTY | LAMP WATTAGE/ TYPE | MANUFACTURER | |
| 4' LED LINEAR PENDANT; FINISH PER ARCHITECT | PENDANT 10' AFF | 120/277 | | 40.7W LED 3500K | LITECONTROL | |
| 3' LED UNDERCABINET LIGHT | CASEWORK | 120 | | 20W LED 3500K | ORACLE LIGHTING | 1 |
| EDGELIT EXIT SIGN, SINGLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN. PROVIDE WITH INTEGRAL BATTERY BACKUP | CEILING/ WALL | 120/277 | | FURN WITH UNIT | DUAL-LITE | |
| EDGELIT EXIT SIGN, DOUBLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN. PROVIDE WITH INTEGRAL BATTERY BACKUP | CEILING/ WALL | 120/277 | | FURN WITH UNIT | DUAL-LITE | l |
| | 4' LED LINEAR PENDANT; FINISH PER ARCHITECT 3' LED UNDERCABINET LIGHT EDGELIT EXIT SIGN, SINGLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN. PROVIDE WITH INTEGRAL BATTERY BACKUP EDGELIT EXIT SIGN, DOUBLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN. | DESCRIPTION MOUNT 4' LED LINEAR PENDANT; FINISH PER ARCHITECT PENDANT 10' AFF 3' LED UNDERCABINET LIGHT CASEWORK EDGELIT EXIT SIGN, SINGLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN. CEILING/ WALL PROVIDE WITH INTEGRAL BATTERY BACKUP CEILING/ WALL EDGELIT EXIT SIGN, DOUBLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN. CEILING/ WALL | DESCRIPTIONMOUNTVOLTAGE4' LED LINEAR PENDANT; FINISH PER ARCHITECTPENDANT 10' AFF120/2773' LED UNDERCABINET LIGHTCASEWORK120EDGELIT EXIT SIGN, SINGLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN.CEILING/ WALL120/277PROVIDE WITH INTEGRAL BATTERY BACKUPCEILING/ WALL120/277EDGELIT EXIT SIGN, DOUBLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN.CEILING/ WALL120/277 | DESCRIPTIONMOUNTVOLTAGELAMP QTY4' LED LINEAR PENDANT; FINISH PER ARCHITECTPENDANT 10' AFF120/2773' LED UNDERCABINET LIGHTCASEWORK120EDGELIT EXIT SIGN, SINGLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN.CEILING/ WALL120/277EDGELIT EXIT SIGN, DOUBLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN.CEILING/ WALL120/277 | DESCRIPTIONMOUNTVOLTAGELAMP QTYLAMP WATTAGE/ TYPE4' LED LINEAR PENDANT; FINISH PER ARCHITECTPENDANT 10' AFF120/27740.7W LED 3500K3' LED UNDERCABINET LIGHTCASEWORK12020W LED 3500K3' LED UNDERCABINET LIGHTCASEWORK12020W LED 3500KEDGELIT EXIT SIGN, SINGLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN. PROVIDE WITH INTEGRAL BATTERY BACKUPCEILING/ WALL120/277FURN WITH UNITEDGELIT EXIT SIGN, DOUBLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN.CEILING/ WALL120/277FURN WITH UNIT | DESCRIPTIONMOUNTVOLTAGELAMP QTYWATTAGE/ TYPEMANUFACTURER4' LED LINEAR PENDANT; FINISH PER ARCHITECTPENDANT 10' AFF120/27740.7W LED 3500KLITECONTROL3' LED UNDERCABINET LIGHTCASEWORK12020W LED 3500KORACLE LIGHTINGEDGELIT EXIT SIGN, SINGLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN. PROVIDE WITH INTEGRAL BATTERY BACKUPCEILING/ WALL120/277FURN WITH UNITDUAL-LITEEDGELIT EXIT SIGN, DOUBLE FACE, RED LETTERING, PROVIDE WITH ARROW(S) AS SHOWN.CEILING/ WALL120/277FURN WITH UNITDUAL-LITE |



| | CATALOG NUMBER | NOTES |
|---|---|-------|
| | 2LMOD-P-ID-STD-04-SOF-XX-35K-1055-D060- D01-1C-UNV | 1 |
| | EZU-LED-36-TRIAC-35K-WH | |
| | LE-S-RW-E | |
| | LE-D-RW-E | |
| | · | |
|) | OWNLIGHTS SHALL HAVE INTEGRAL TEST SW | ITCH. |

| GE | eneral e | LECTRICAL NOTES: | | | E |
|-----------|--|---|---|--|------------|
| 1. | FOR EXACT LOCATI | ON OF EQUIPMENT MOUNTED IN SUSP , SEE ARCHITECTURAL REFLECTED CEIL | | | <u>LIG</u> |
| | ARCHITECTURAL EL | IN, CONTRACTOR SHALL COORDINATE I EVATION TO AVOID CONFLICTS WITH CA S, CONTRACTOR SHALL CONTACT THE A | SEWORK, COUNTER TOP | S, DOOR SWINGS, ETC. WHERE | |
| 3. | ALL MOUNTING HEI | GHT DIMENSIONS ARE TO THE CENTER | OF THE OUTLET BOX U | JNLESS OTHERWISE NOTED. | |
| | | ON OF ALL EXTERIOR LIGHTING FIXTUR EVATIONS SHALL GOVERN | ES MOUNTED ON EXTER | IOR OF BUILDING, | |
| 5. | PRIOR TO ROUGH- | IN FOR ALL LIGHTING SWITCHES, VERI | FY ALL DOOR SWINGS W | ITH ARCHITECTURAL PLANS. | |
| | | SHALL USE CARE WHEN CUTTING OPEI INSTALLED IN CMU WALLS SECURELY V | | ES IN CMU WALLS. OUTLET | |
| | | IS RESPONSIBLE FOR COORDINATING C C). THE CONTRACTOR SHALL PROVIDE . LL FINISHES. | | | |
| | | AND HORIZONTALLY ALL LIGHT SWITCH SHALL BE CLUSTERED WHERE POSSIBL | | | |
| | | TING OF ALL EXTERIOR DISCONNECT W EVATIONS, REQUEST ELEVATIONS OF DI IN. | | | |
| | | R LOW VOLTAGE OUTLETS SHALL BE D DUITS BETWEEN LOW VOLTAGE OUTLET S. | | | |
| | | INTIFICATION PER NEC 408.4. ADDITION H SPECIFIC PANEL AND CIRCUIT NUME | | CEPTACLE, DISCONNECT SHALL | |
| | IN ACCORDANCE W | NT NAMEPLATE LABEL FOR PANELBOAR ITH NEC 210.5(C)(1). | | | <u>P0</u> |
| | | PROOF RECEPTACLES IN BUSINESS OFF ND DENTAL OFFICES AND OUTPATIENT | | | |
| GEN | | CAL DEMOLITION NOTES | | | |
| <u>1.</u> | | RACTOR SHALL REMOVE DEVICES ON W | ALLS TO BE REMOVED AI | ND AS DIRECTED BY ARCHITECT. | |
| 2. | ELECTRICAL CON DEVICES/LOADS (UON) AND SHAL | TRACTOR SHALL REMOVE ALL ASSOCIAT BEING REMOVED. ITEMS REMOVED SHA L BE REMOVED FROM THE SITE. ITEMS SHALL ITEMS REMOVED BE USED IN | ED WIRING, CONDUIT, SI LL BECOME PROPERTY (S REMOVED SHALL NOT | URFACE RACEWAY, ETC. FOR DF THE ELECTRICAL CONTRACTOR BE STORED AT THE SITE. UNDER | |
| 3. | ELECTRICAL CONT | TRACTOR SHALL VISIT AND EXAMINE TH | IE SITE PRIOR TO CONS | | |
| 4. | | ELECTRICAL CONTRACTORS RESPONSI EQUIPMENT TO REMAIN. THIS INCLUDES | | | |
| 5. | | DMPUTER EQUIPMENT SHALL BE TURNE | ED OVER TO OWNER UNI | LESS DIRECTED TO DO | |
| 6. | ELECTRICAL CONT | DRAWING FOR HEATERS, EXHAUST FA IRACTOR FOR REMOVAL OR ABANDONM ALL REMOVE ALL STARTERS, DISCONNE | ENT BY MECHANICAL CO | INTRACTOR. ELECTRICAL | |
| 7. | REMOVE ALL CON NEW INSTALLATIO | NDUIT, WIRE, BOXES AND FASTENING D | EVICES AS REQUIRED TO | O AVOID ANY INTERFERENCE WITH | |
| 8. | CONDUITS MAY E WIRING FROM AB ON ALL ABANDON | N. BE ABANDONED IN FLOOR AND WALLS ANDONED CONDUITS, DISCONNECT FRC NED OUTLETS. CUT OFF ABANDONED NED CONDUIT SHALL BE CAPPED AT E | M ALL POWER SOURCE CONDUITS 1" BELOW F | ES AND PROVIDE BLANK PLATES | |
| 9. | TAG ALL UNUSED | TRACTOR SHALL TRACE ALL CIRCUITS I CIRCUIT BREAKERS AS "SPARE" AND ECTED BY PLASTIC AND PLACE IN COV | TIGHTEN ALL CONNECTION | ONS. PROVIDE NEW TYPED | |
| 10. | AND CONFIRMED | OUTAGES REQUIRED BY THE WORK SHIN WRITING. ANY OUTAGE SHALL NOT FUNCTIONS AND ALL COSTS FOR OVE | BE SCHEDULED DURIN | G NORMAL BUSINESS HOURS OR | |
| 11. | | G FIXTURE BALLASTS AND FLUORESCE CCORDANCE WITH EPA. | NT LAMPS MAY CONTAIN | PCB'S. DISPOSE OF BALLASTS | |
| 12. | REMAIN. REFER | REMOVAL OF ELECTRICAL DEVICES, PA TO ARCHITECTURAL DRAWINGS. | NELS, ETC. SHALL BE P | ATCHED IN EXISTING WALLS TO | |
| BBF | REVIATIONS | | | | |
| | A A.F.F. A.F.G. BFG | AMPERES ABOVE FINISHED FLOOR ABOVE FINISHED GRADE DELOW FINISHED CRADE | MCB MLO NTS P | – MAIN CIRCUIT BREAKER – MAIN LUG ONLY – NOT TO SCALE – POLE | |
| | C ETR | BELOW FINISHED GRADE CONDUIT EXISTING TO REMAIN | PNL SN | – POLL – PANEL – SOLID NEUTRAL | |

| A.F.F. | – ABOVE FINISHED FLOOR | MLO | - MAIN LUG ONLY |
|--------|-------------------------------------|--------|--|
| A.F.G. | – ABOVE FINISHED GRADE | NTS | – NOT TO SCALE |
| BFG | - BELOW FINISHED GRADE | Р | – POLE |
| С | – CONDUIT | PNL | – PANEL |
| ETR | - EXISTING TO REMAIN | SN | – SOLID NEUTRAL |
| F | – FUSE | U.O.N. | UNLESS OTHERWISE NOTED |
| GFI | - GROUND FAULT CIRCUIT INTERRUPTING | V | – VOLTS |
| G | – GROUND | W | – WIRE |
| KVA | – KILO VOLT AMP | WP | – WEATHERPROOF/GFI |
| KW | – KILOWATT | | |
| NOTES: | | | |

UTILITY NOTES:

1. PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED. FIRE PROOFING NOTES:

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIRE STOPPING AT ALL WALL, FLOOR AND CEILING PENETRATIONS WHERE CONDUIT PENETRATIONS OCCUR.

2. PROVIDE FIRE STOPPING AT CONDUIT PENETRATIONS PER UL.

DEVICE PLATE NOTE

ALL COVERPLATES SHALL BE NYLON WITH FINISH PER ARCHITECT. ALL DEVICES (SWITCHES, RECEPTACLES, ETC) SHALL BE FINISH BY ARCHITECT (UON). COORDINATE WITH ARCHITECTURAL PLANS.

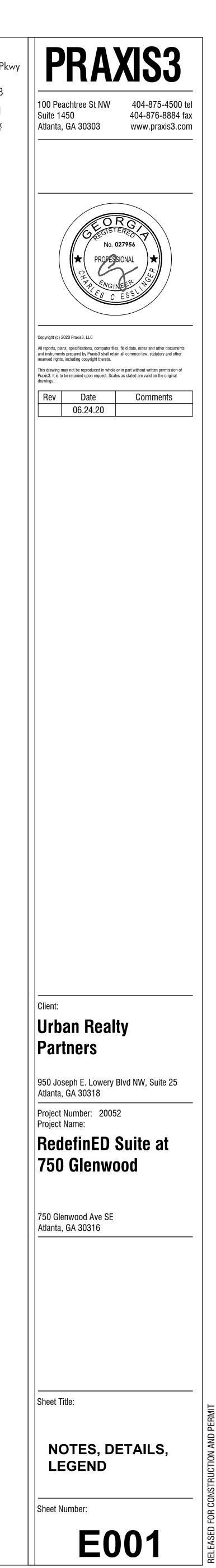
LIGHTING CONTROL COMMISSIONING: COMMISSION ALL AUTOMATIC LIGHTING CONTROLS IN ACCORDANCE WITH THE 2015 IECC ENERGY CODE. COORDINATE TESTING WITH LIGHTING CONTROLS SUPPLIER.

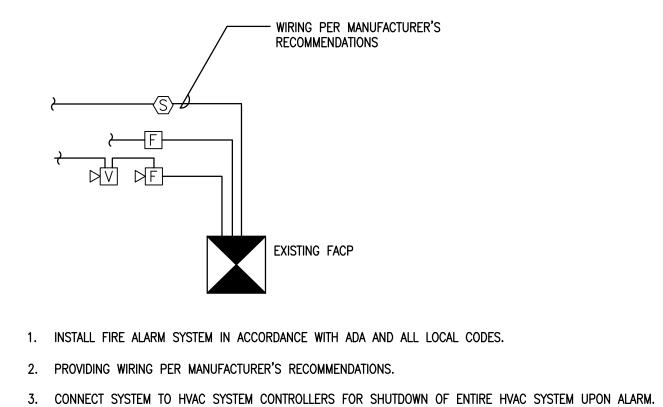


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ELECTRICAL LEGEND

| IGHTING | |
|---|--|
| | LIGHTING FIXTURE |
| | EMERGENCY LIGHTING FIXTURE AND/OR NIGHTLIGHT AS INDICATED |
| 0 | DOWNLIGHT. |
| | EXIT LIGHTING FIXTURE, FACE PLATES (DARKENED) AND DIRECTIONAL ARROWS AS INDICATED. PROVIDE WITH BATTERY BACKUP. CONNECT AHEAD OF LOCAL SWITCH. |
| S S₃ | SINGLE POLE SWITCH, 20A, 120/277 VOLT, 46" A.F.F THREE—WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F |
| S₄ S _D | FOUR—WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F DIMMER SWITCH, 46" A.F.F. PROVIDE WATTAGE AS REQUIRED. PROVIDE DIMMER SWITCH COMPATIBLE WITH LED LIGHT FIXTURE. |
| Sp3 | PROVIDE WIRING AS REQUIRED FROM DIMMER TO LIGHT FIXTURE. COORDINATE WITH FIXTURE MANUFACTURER. THREE—WAY SWITCH WITH PILOT LIGHT, 20A, 120/277 VOLT, 46" A.F.F |
| | CEILING MOUNTED OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION. |
| Sos | WALL MOUNTED SWITCH, 20A, 120/277V, 46"AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION. |
| SS _{os} | (2) WALL MOUNTED SWITCHES, 20A, 120/277V, 46"AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION. |
| S _{DOS} | WALL MOUNTED DIMMER SWITCH, 20A, 120/277V, 46"AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION. |
| POWER | |
| Ф Ф | DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5–20R, 18" A.F.F., U.O.N (2) DUPLEX GROUNDING TYPE RECEPTACLES IN COMMON BOX, 20A, 125 VOLT, NEMA 5–20R, 18" A.F.F, U.O.N |
| ф _{іс} | DUPLEX GROUNDING TYPE RECEPTACLES IN COMMON BOX, 20A, 125 VOLT, NEMA 5-20R, 18 A.F.F., U.O.N. RECEPTACLE BODY SHALL |
| | BE ORANGE. |
| ₽ ^{GFI} | DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5–20R, 18" A.F.F., U.O.N. |
| Φ^{w_P} | DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, MOUNT HORIZONTALLY 18" A.F.F., U.O.N., IN CAST OUTLET BOX WITH GASKET DEVICE COVER. |
| Φ^{Ewc} | DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R. MOUNT HORIZONTALLY 6" A.F.F. FOR WATER COOLER. |
| \bigcirc | SPECIAL RECEPTACLE, AMPERAGE, AND VOLTAGE AS INDICATED, 18" AFF, UON. |
| ٩ | PROVIDE COMBINATION USB CHARGER AND TAMPER RESISTANT RECEPTACLE. LEVITON DEVICE #T5632. COORDINATE LOCATIONS WITH ARCHITECT. |
| $\overline{\Phi} \overline{\bigtriangleup}$ | RECEPTACLE/TELEPHONE/DATA OUTLETS, FLUSH MOUNT IN FLUSH MOUNTED FLOOR BOX WITH RUBBER OR THERMOPLASTIC CARPET COVER PLATE. PROVIDE NUMBER AND TYPE OF DEVICES PER PLANS. COORDINATE DEPTH OF FLOOR BOX WITH SLAB DEPTH. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE $3/4$ " CONDUIT WITH CONDUCTORS INDICATED FOR SERVICE TO RECEPTACLE OUTLET. PROVIDE (1) $1-1/4$ " CONDUIT WITH PULLWIRE FROM EACH SPECIAL SYSTEMS OUTLET TO ABOVE NEAREST ACCESSIBLE CEILING FOR SPECIAL SYSTEM WIRING BY OTHERS. |
| - | PANELBOARD, 120/208 VOLT, 3 PHASE, 4 WIRE, SN |
| A-1 | ELECTRICAL CIRCUIT RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD (PANEL AND CIRCUIT DESIGNATION AS INDICATED). AS A MINIMUM CONDITION, EACH SINGLE PHASE CIRCUIT SHALL HAVE ONE #12 PHASE CONDUCTOR, ONE #12 NEUTRAL CONDUCTOR, AND ONE #12 GROUNDING CONDUCTOR (PLUS ONE INSULATED, ISOLATED GROUNDING CONDUCTOR WHEN SERVING ISOLATED GROUND TYPE DEVICES) IN 1/2" CONDUIT. PROVIDE ADDITIONAL PHASE CONDUCTORS AS REQUIRED FOR "MULTIPLE PHASED" ELECTRICAL LOADS. PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS TO PROVIDE THE LIGHT FIXTURE CONTROL INDICATED. MULTIPLE SINGLE PHASE CONDUCTORS SHALL BE GROUPED TOGETHER IN A COMMON CONDUIT IN ACCORDANCE WITH THE NEC AND AT THE CONTRACTOR'S DISCRETION. MULTIPLE SINGLE PHASE CONDUCTORS SERVING ISOLATED GROUND RECEPTACLES SHALL NOT SHARE COMMON NEUTRALS. NEUTRAL AND GROUNDING CONDUCTORS SHALL BE SHARED AS ALLOWED BY THE NEC. BRANCH CIRCUIT CONDUCTORS IN CONDUIT SHALL BE RUN CONCEALED IN WALLS AND/OR ABOVE CEILINGS, IN/OR BELOW FLOORS, EXCEPT IN EXPOSED CONSTRUCTION AREAS. FLUORESCENT LIGHTING CIRCUITS SERVING SWITCHED FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL CONTAIN ONE UNSWITCHED CONDUCTOR. FLUORESCENT DIMMING CIRCUITS SERVING DIMMING BALLASTS SHALL BE PROVIDED WITH WIRING AS REQUIRED BY BALLAST MANUFACTURER. MULTIPLE PHASE LIGHTING CIRCUITS SERVING DIMMED LOADS SHALL NOT SHARE COMMON NEUTRALS. |
| Ū | JUNCTION BOX. |
| С' С' | DISCONNECT SWITCH, 240 OR 600 VOLTS AS REQUIRED. AMPS, POLES AND FUSING AS NOTED, NEMA 1, U.O.N. |
| Sm | MOTOR RATED SWITCH. MOUNT WITHIN SIGHT OF EQUIPMENT. |
| Í | MOTOR CONNECTION, WITH INTEGRAL DISCONNECTING MEANS. |
| | STARTER KEYNOTE. |
| SPECIAL SYSTEM | IS |
| \mathbf{V} | TELEPHONE/DATA OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 1" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER. |
| \bigtriangledown | TELEPHONE OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER. |
| | TELEVISION OUTLET 18" A.F.F., U.O.N. SINGLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. |
| | TELEPHONE/TELEVISION BACKBOARD, 4' X 4' X 3/4" THICK EXTERIOR GRADE PLYWOOD. MOUNT VERTICALLY WITH BOTTOM OF PLYWOOD 6" A.F.F., U.O.N. |
| FIRE ALARM SYS | TEMS |
| F F⊲ | FIRE ALARM PULL STATION. WALL MOUNT AT 46"A.F.F (ON CENTER) FIRE ALARM HORN/STROBE. WALL MOUNT 80" A.F.F. TO BOTTOM OF LENS, (BOTTOM OF LENS 96" MAX A.F.F OR 6" BELOW CEILING IN COMPLIANCE WITH NFPA 72.) |
| | FIRE ALARM STROBE. WALL MOUNT 80" A.F.F. TO BOTTOM OF LENS, (BOTTOM OF LENS 96" MAX A.F.F OR 6" BELOW CEILING IN COMPLIANCE WITH NFPA 72.) |
| $\langle S \rangle$ | FIRE ALARM SMOKE DETECTOR, PHOTOELECTRIC TYPE. |
| (H) V | FIRE ALARM HEAT DETECTOR. |
| NAN | FIRE ALARM STROBE. CEILING MOUNT. |
| | |





4. MODIFY EXISTING FIRE ALARM SYSTEM AS REQUIRED TO ACCEPT NEW DEVICES.

EXISTING FIRE ALARM RISER DIAGRAM

E002 NTS



| | | | | UTION PANEI | | CHE | | | - 'N | | |
|------|---------|------------|-------|-----------------------------------|------------|-------|------------|-------|------------|-------|-----------------|
| | MAIN: | | | VOLTAGE: 480/277 | | | PHASE | 3 | | WIRE: | 4 |
| | MTG: | SURFA | | AIC: 65,000 | 1 | NOTES | | | | | |
| CKT | | IT BREA | | | 1.70 | 050 | LOAD | | 1417 | | PHAS |
| # | FRAME | TRIP | POLE | | LTG | REC | MTR | A/C | KIT | MISC | AB |
| 1 | 100 | 100 | 3 | PANEL HH1 (2) | 4.5 | 0.0 | 13.0 | 0.0 | 0.0 | 4.0 | |
| | - | - | - | - | 2.1 6.0 | 0.0 | 13.0 | 3.0 | 0.0 | 0.0 | ┤╽╺┯╻ |
| 2 | - | - 50 | - | PANEL HL1A (2) | | 0.0 | 13.0 | 0.0 | 0.0 | 0.0 | |
| Ζ | 50 | 00 | 3 | PANEL HL1A (2) VIA TRANSFORMER | 0.1 | 2.7 | 1.4 1.7 | 0.0 | 0.0 0.0 | 0.0 | |
| | - | - | - | | 0.0 | 2.4 | 0.6 | 2.2 | 0.0 | 0.0 | ┤╽╺┯╻ |
| 3 | 150 | 150 | 3 | PANEL HL1B (2) | 0.0 | 0.0 | 0.0 | 26.3 | 0.0 | 0.0 | ╘┛╽╹ |
| 5 | - | 150 | - | VIA TRANSFORMER | 0.0 | 0.0 | 0.0 | 26.3 | 0.0 | 0.0 | |
| | - | - | - | | 0.0 | 0.0 | 0.0 | 26.3 | 0.0 | 0.0 | ▏▌▝▛▖ |
| 4 | 150 | 150 | 3 | PANEL HL2 (2) | 0.0 | 2.0 | 0.1 | 29.8 | 0.0 | 0.0 | |
| т | - | - | - | VIA TRANSFORMER | 0.0 | 1.3 | 0.0 | 29.8 | 0.0 | 0.0 | |
| | | - | - | - | 0.0 | 0.5 | 1.3 | 29.8 | 0.0 | 0.0 | ┤ │ ╹Т ∎ |
| 5 | 150 | 150 | 3 | PANEL HL3 (2) | 0.0 | 1.1 | 1.9 | 44.7 | 0.0 | 0.0 | |
| - | - | - | - | VIA TRANSFORMER | 0.0 | 1.0 | 1.9 | 43.5 | 0.0 | 0.0 | |
| | - | - | - | - | 0.0 | 0.7 | 1.4 | 42.3 | 0.0 | 0.0 | |
| 6 | 225 | 225 | 3 | PANEL HH3 (2) | 0.0 | 0.0 | 0.0 | 25.0 | 0.0 | 0.0 | |
| | - | - | - | - | 0.0 | 0.0 | 0.0 | 25.0 | 0.0 | 0.0 | |
| | - | - | - | - | 0.0 | 0.0 | 0.0 | 25.0 | 0.0 | 0.0 | |
| 7 | 150 | 150 | 3 | PANEL HR1 | 0.4 | 1.4 | 0.0 | 11.0 | 0.0 | 10.0 | |
| | - | - | - | - | 0.8 | 2.2 | 0.0 | 11.0 | 0.0 | 0.5 | |
| | - | - | - | - | 0.1 | 1.7 | 0.0 | 9.8 | 0.0 | 0.0 | |
| 8 | 150 | 150 | 3 | SPARE | | | | | | | |
| | l- | ÷ | - | H | | | | | | | |
| | | - | - | - | | | | | | | |
| 9 | - | - | 3 | SPACE | | | | | | | |
| | - | - | - | - | | | | | | | ╎╵╇╸ |
| | 12 | - - | | - | | | | | | | |
| 10 | | | | SPACE | | | | | | | |
| | | - | - | - | | | | | | | ╎╵╇╻ |
| | ŀ | - B- | - | - | | | | | | | |
| 11 | | | | SPACE | | | | | | | |
| | - | - | - | - | | | | | | | ▏▎▀▖ |
| 10 | - | - | - | | | | | | | | ┶┺╸╿╹ |
| 12 | | | | SPACE | | | | | | | |
| | - | - | - | - | | | | | | | ┤ ╽╺┯ ╸ |
| | | | 2 | 3 | 15.1 | 19.3 | 49.3 | 413.0 | 0.0 | 15.0 | |
| CONN | ECTED | OAD (| KVA). | 511.7 | 10.1 | 10.0 | 40.0 | 10.0 | 0.0 | 10.0 | |
| | AND LOA | | | 507.1 | | | PH | ASE A | 65 | 7.4 | 182.1 |
| | | (111) | | | | | | ASE B | | 9.6 | 166.1 |
| CONN | IECTED | LOAD (| AMPS | 615.5 | 1 | | | ASE C | | 0.3 | 163.5 |
| | AND LOA | | | 609.9 | | | | | | 1PS | KVA |
| | | | , | | 1 | | | | | | |
| AMP | ACITY R | EQUIREI | D: | 614.4 | | | | | | | |
| IOTE | S: | | | | | | | | | | |

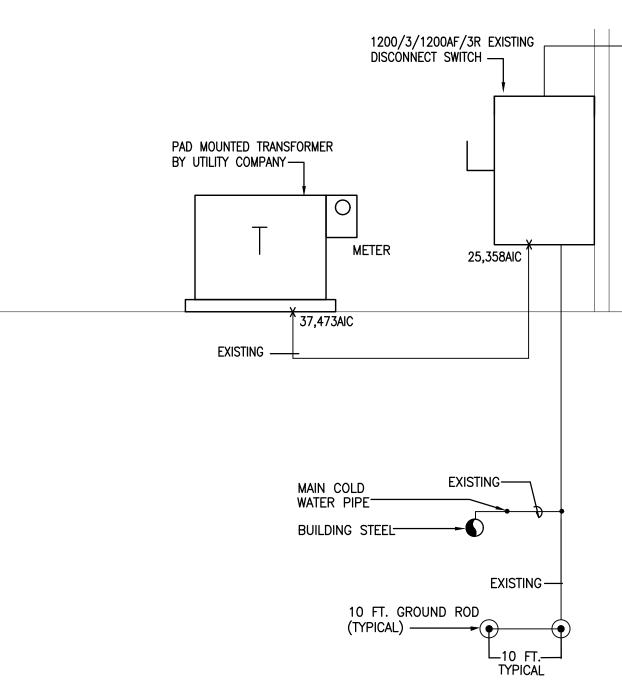
| KT TRIP # P 1 20 3 20 5 15 7 - | POLE 0/1 L 0/1 L 0/1 C | 150A MLO DESCRIPTION IGHTING IGHTING U-B | | LTG 0.4 | REC | LOAD MTR | · · | | | AGE: | 480/27 | 77 | PHAS | 21.2 | | Ν | IOUNTING: RECESSED AIC: | 22,000 | <u> </u> |
|--|---------------------------------|--|------|------------|-----|-------------|------|-----|-------|-------|--------|-----|-------|-------|---------|------|--------------------------|--------|----------|
| # P 1 20. 3 20. 5 15. 7 - 9 - | POLE 0/1 L 0/1 L 5/3 C | IGHTING IGHTING | | 0.4 | REC | | · · | | | | | | 1 UAS | DE. J | WIRE: 4 | I | AIUUNTING. RECESSED AIC. | 22,000 | 1 |
| 1 20. 3 20. 5 15. 7 - 9 - |)/1 L)/1 L 5/3 C | IGHTING IGHTING | | 0.4 | REC | MTR | A (0 | | | PHASE | | | LOAD | (KVA) | | | ÷ | TRIP | CKT |
| 3 20 5 15 7 - 9 - |)/1 L 5/3 C | IGHTING | | | | | A/C | KIT | MISC | ABC | LTG | REC | MTR | A/C | KIT | MISC | DESCRIPTION | POLE | # |
| 5 15 7 - 9 - | 5/3 C | | | 00 | | | | | | | | | | | | 10.0 | IWH-1 | 50/1 | 2 |
| 7 - | | U-B | | 0.8 | | | | | | | 0.0 | 2.2 | 0.0 | 9.7 | 0.0 | 0.5 | EXISTING PANEL LR1 | 70/3 | 4 |
| 9 - | | | | | | | 1.3 | | | | 0.1 | 1.7 | 0.0 | 8.5 | 0.0 | 0.0 | VIA TRANSFORMER | | 6 |
| | | - | | | | | 1.3 | | | | 0.0 | 1.4 | 0.0 | 9.7 | 0.0 | 0.0 | | | 8 |
| 11 -/ | | - | | | | | 1.3 | | | | | | | | | | SPACE ONLY | -/1 | 10 |
| - E (E) | /1 S | PACE ONLY | | | | | | | | | | | | | | | SPACE ONLY | -/1 | 12 |
| 13 -/ | /1 S | PACE ONLY | | | | | | | | | | | | | | | SPACE ONLY | -/1 | 14 |
| 15 -/ | /1 S | PACE ONLY | | | | | | | | | | | | | | | SPACE ONLY | -/1 | 16 |
| 17 -/ | /1 S | PACE ONLY | | | | | | | | | | | | | | | SPACE ONLY | -/1 | 18 |
| 19 -/ | /1 S | PACE ONLY | | | | | | | | | | | | | | | SPACE ONLY | -/1 | 20 |
| 21 -/ | /1 S | PACE ONLY | | | | | | | | | | | | | | | SPACE ONLY | -/1 | 22 |
| 23 -/ | /1 S | PACE ONLY | | | | | | | | | | | | | | | SPACE ONLY | -/1 | 24 |
| GHTING (| (KVA): | | 1.3 | 1.2 | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 | | 0.1 | 5.3 | 0.0 | 27.9 | 0.0 | 10.5 | CONNECTED LOAD (KVA): | 4 | 8.9 |
| ECEPTACL | LES (KV | VA): | 5.3 | | | | | | | | | | | | | | DEMAND LOAD (KVA): | 4 | 8.9 |
| OTORS (| KVA): | | 0.0 | | | | | PH/ | ASE A | 23 | 82 | 2.3 | | | | | | | |
| /C (KVA): | | | 31.8 | | | | | PH/ | ASE B | 15 | 52 | 2.3 | | | | | CONNECTED LOAD (AMPS): | 5 | 8.8 |
| EATING (ł | KVA): | | 0.0 | | | | | PH/ | ASE C | 12 | 41 | .9 | | | | | DEMAND LOAD (AMPS): | 5 | 8.8 |
| ITCHEN (| | | 0.0 | | | | | | | KVA | AN | IPS | | | | | | | |
| ISCELLAN | | (KVA): | 10.5 | | | | | | | | - | | - | | | | AMPACITY REQUIRED: | 5 | 9.2 |

| RECEPTACLES (KVA): 5.3 DEMAND LOAD (KVA): 33.8 MOTORS (KVA): 0.0 PHASE A 12 103.3 33.8 A/C (KVA): 0.0 PHASE B 10 85.8 CONNECTED LOAD (AMPS): 93.8 HEATING (KVA): 0.0 PHASE C 11 92.5 DEMAND LOAD (AMPS): 93.8 KITCHEN (KVA): 0.0 KVA AMPS MISCELLANEOUS (KVA): 0.5 0.5 AMPACITY REQUIRED: 93.9 | PANELBOARD SCHEDULE - 'LR1' | | | | | | | | | | | | | | | | | | |
|---|--|-------|-----------------|---------|--------------------|------|-------|-----|------|-------|---------|-----|------|--------------------|--------------------------|------|-----------------------------|--------|-----|
| # POLE DESCRIPTION LTG REC MTR A/C KIT MISC DESCRIPTION POLE # 1 20/1* REFRIGERATOR 0.8 0.5 BREAK RM RECEPT 20/1 2 3 20/1 BREAK RM RECEPT 0.8 0.9 0.9 0FFICE RECEPT 20/1 4 5 20/1 BREAK RM RECEPT 0.5 0.9 0.9 0FFICE RECEPT 20/1 6 7 20/1 OFFICE RECEPT 0.9 0.9 0.9 0FFICE RECEPT 20/1 6 11 50/3 FC-A 4.5 0 10 12 0.5 14 0.0 12 14 15 12 0.5 TELEPHONE BACKBOARD 20/1 14 15 4.5 0.5 TELEPHONE BACKBOARD 20/1 18 19 1.2 SPARE 20/1 24 | | MAIN: | 150A MCB | | | | | | VOLT | AGE: | 208/12 | 20 | PHAS | SE: 3 | WIRE: 4 | I | MOUNTING: RECESSED AIC: | 10,000 | |
| 1 20/1* REFRIGERATOR 0.8 0.5 BREAK RM RECEPT 20/1 2 3 20/1 BREAK RM RECEPT 0.8 0.9 0.9 0FICE RECEPT 20/1 4 5 20/1 BREAK RM RECEPT 0.5 0.9 0.9 0FICE RECEPT 20/1 4 7 20/1 OFFICE RECEPT 0.9 0.9 4.0 FC-B 45/3 8 9 20/1 UC LIGHTING 0.1 4.5 4.0 | CKT | TRIP | | | | LOAD | (KVA) | | | PHASE | | | LOAD |) (KVA) |) | | | TRIP | CKT |
| 3 20/1 BREAK RM RECEPT 0.8 0.9 0.9 0FFICE RECEPT 20/1 4 5 20/1 OFFICE RECEPT 0.9 0.9 0.9 0FFICE RECEPT 20/1 6 7 20/1 OFFICE RECEPT 0.9 0.9 4.0 FC-B 45/3 8 9 20/1 UL LIGHTING 0.1 4.5 4.0 10 11 50/3 FC-A 4.5 4.5 4.0 12 13 4.5 12 12 13 4.5 12 12 14 5.2 12 12 12 12 12 12 12 13 14 | # | POLE | DESCRIPTION | LTG | REC | MTR | A/C | KIT | MISC | ABC | LTG | REC | MTR | A/C | KIT | MISC | DESCRIPTION | POLE | # |
| 5 20/1 BREAK RM RECEPT 0.5 0.5 0.9 0.9 0FFICE RECEPT 20/1 6 7 20/1 0FFICE RECEPT 0.9 4.0 FC-B 45/3 8 9 20/1 UC LIGHTING 0.1 4.5 4.0 10 11 50/3 FC-A 4.5 4.0 12 13 4.5 12 0.5 TELEPHONE BACKBOARD 20/1 14 15 4.5 12 20/1 SPARE 20/1 18 19 1.2 SPARE 20/1 20 20/1 SPARE 20/1 20 20/1 20 20/1 20/1 20 20/1 20/1 20/1 20 20/1 20/1 20 20/1 20/1 20 20/1 22 20/1 SPARE 20/1 24 26 SPARE 20/1 26 20/1 28 20/1 28 <td>1</td> <td>20/1*</td> <td>REFRIGERATOR</td> <td></td> <td>0.8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.5</td> <td></td> <td></td> <td></td> <td></td> <td>BREAK RM RECEPT</td> <td>20/1</td> <td>2</td> | 1 | 20/1* | REFRIGERATOR | | 0.8 | | | | | | | 0.5 | | | | | BREAK RM RECEPT | 20/1 | 2 |
| 7 20/1 OFFICE RECEPT 0.9 4.0 FC-B 45/3 8 9 20/1 UC LIGHTING 0.1 4.5 4.0 10 11 50/3 FC-A 4.5 4.0 12 13 4.5 4.0 12 15 4.5 0.5 TELEPHONE BACKBOARD 20/1 14 19 1.2 SPARE 20/1 18 19 1.2 SPARE 20/1 12 21 20/1 SPARE 20/1 18 SPARE 20/1 20 21 20/1 SPARE 20/1 20 SPARE 20/1 24 25 20/1 SPARE 20/1 26 SPARE 20/1 26 29 20/1 SPARE 20/1 20 SPARE 20/1 26 29 20/1 SPARE 20 SPARE 20/1 30 20/1 </td <td>3</td> <td>20/1</td> <td></td> <td></td> <td>0.8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.9</td> <td></td> <td></td> <td></td> <td></td> <td>OFFICE RECEPT</td> <td>20/1</td> <td>4</td> | 3 | 20/1 | | | 0.8 | | | | | | | 0.9 | | | | | OFFICE RECEPT | 20/1 | 4 |
| 9 20/1 UC LIGHTING 0.1 4.5 4.0 10 11 50/3 FC-A 4.5 4.5 4.0 12 13 4.5 4.5 0.5 TELEPHONE BACKBOARD 20/1 14 15 4.5 4.5 5 5 5 5 5 5 12 14 16 17 25/2 CU-A 1.2 5 | 5 | 20/1 | BREAK RM RECEPT | | 0.5 | | | | | | | 0.9 | | | | | | 20/1 | 6 |
| 11 50/3 FC-A 4.5 4.0 12 13 4.5 0.5 TELEPHONE BACKBOARD 20/1 14 15 4.5 0.5 TELEPHONE BACKBOARD 20/1 14 17 25/2 CU-A 1.2 0.5 SPARE 20/1 18 19 1.2 0.5 SPARE 20/1 20 SPARE 20/1 20 21 20/1 SPARE 0.5 SPARE 20/1 22 SPARE 20/1 22 23 20/1 SPARE 0.0 0.0 SPARE 20/1 26 25 20/1 SPARE 0.0 0.0 0.0 2.3 0.0 12.0 0.0 0.5 CONNECTED LOAD (KVA): 33.8 29 20/1 SPARE 0.0 0.0 0.0 2.3 0.0 12.0 0.0 0.5 CONNECTED LOAD (KVA): 33.8 RECEPTACLES (KVA): 5.3 0 0.0 2.3 0.0 12.0 0.0 | 7 | 20/1 | OFFICE RECEPT | | 0.9 | | | | | | | | | 4.0 | | | FC-B | 45/3 | 8 |
| 13 4.5 0.5 TELEPHONE BACKBOARD 20/1 14 15 4.5 SPARE 20/1 16 17 25/2 CU-A 1.2 SPARE 20/1 18 19 1.2 SPARE 20/1 20 21 20/1 SPARE 20/1 20 SPARE 20/1 20 23 20/1 SPARE 20/1 24 SPARE 20/1 24 25 20/1 SPARE 20/1 26 SPARE 20/1 28 27 20/1 SPARE 20/1 15.9 0.0 0.0 2.3 0.0 12.0 0.0 0.5 CONNECTED LOAD (KVA): 33.8 RECEPTACLES KVA): 0.0 PHASE A 12 103.3 | 9 | 20/1 | | 0.1 | | | | | | | | | | 4.0 | | | | | 10 |
| 15 4.5 SPARE 20/1 16 17 25/2 CU-A 1.2 SPARE 20/1 18 19 1.2 SPARE 20/1 20 21 20/1 SPARE 1.2 SPARE 20/1 20 23 20/1 SPARE SPARE 20/1 22 23 20/1 SPARE SPARE 20/1 24 25 20/1 SPARE SPARE 20/1 26 27 20/1 SPARE SPARE 20/1 26 29 20/1 SPARE SPARE 20/1 30 LIGHTING (KVA): 0.1 0.1 0.0 0.0 0.0 2.3 0.0 12.0 0.0 0.5 CONNECTED LOAD (KVA): 33.8 RECEPTACLES (KVA): 5.3 | 11 | 50/3 | FC-A | | | | 4.5 | | | | | | | 4.0 | | | | | 12 |
| 17 25/2 CU-A Image: constraint of the second | 13 | | | | | | 4.5 | | | | | | | | | 0.5 | TELEPHONE BACKBOARD | 20/1 | 14 |
| 19 1.2 Image: constraint of the second secon | 15 | | | | | | 4.5 | | | | | | | | | | SPARE | 20/1 | 16 |
| 21 20/1 SPARE 20/1 SPARE 20/1 22 23 20/1 SPARE 20/1 SPARE 20/1 24 25 20/1 SPARE 20/1 SPARE 20/1 24 25 20/1 SPARE 20/1 SPARE 20/1 24 27 20/1 SPARE 20/1 28 SPARE 20/1 28 29 20/1 SPARE 1 0 0 0.0 0.0 2.3 0.0 1.5 CONNECTED LOAD (KVA): 33.8 RECEPTACLES (KVA): 5.3 | 17 | 25/2 | CU-A | | | | 1.2 | | | | | | | | | | SPARE | 20/1 | 18 |
| 23 20/1 SPARE 20/1 24 25 20/1 SPARE 20/1 24 25 20/1 SPARE 20/1 26 27 20/1 SPARE 20/1 28 29 20/1 SPARE 20/1 28 29 20/1 SPARE 20/1 28 29 20/1 SPARE 20/1 30 LIGHTING (KVA): 0.1 0.1 0.0 15.9 0.0 0.0 2.3 0.0 12.0 0.0 0.5 CONNECTED LOAD (KVA): 33.8 RECEPTACLES (KVA): 5.3 | 19 | | | | | | 1.2 | | | | | | | | | | SPARE | 20/1 | 20 |
| 25 20/1 SPARE 20/1 SPARE 20/1 26 27 20/1 SPARE 20/1 SPARE 20/1 28 29 20/1 SPARE 20/1 SPARE 20/1 28 29 20/1 SPARE 20/1 28 SPARE 20/1 28 29 20/1 SPARE 20/1 0.0 0.0 2.3 0.0 0.0 0.5 CONNECTED LOAD (KVA): 33.8 RECEPTACLES (KVA): 5.3 | 21 | 20/1 | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 22 |
| 27 20/1 SPARE 20/1 SPARE 20/1 28 29 20/1 SPARE 0.1 0.1 3.0 0.0 15.9 0.0 0.0 2.3 0.0 12.0 0.0 0.5 CONNECTED LOAD (KVA): 33.8 RECEPTACLES (KVA): 5.3 | 23 | 20/1 | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 24 |
| 29 20/1 SPARE 20/1 30 LIGHTING (KVA): 0.1 0.1 0.0 15.9 0.0 0.0 0.0 12.0 0.0 0.5 CONNECTED LOAD (KVA): 33.8 RECEPTACLES (KVA): 5.3 | 25 | 20/1 | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 26 |
| LIGHTING (KVA): 0.1 0.1 3.0 0.0 15.9 0.0 0.0 2.3 0.0 12.0 0.0 0.5 CONNECTED LOAD (KVA): 33.8 RECEPTACLES (KVA): 5.3 5.3 DEMAND LOAD (KVA): 33.8 MOTORS (KVA): 0.0 91.0 10.3.3 DEMAND LOAD (KVA): 33.8 A/C (KVA): 0.0 91.0 85.8 CONNECTED LOAD (AMPS): 93.8 HEATING (KVA): 0.0 91.0 85.8 CONNECTED LOAD (AMPS): 93.8 HEATING (KVA): 0.0 91.0 85.8 CONNECTED LOAD (AMPS): 93.8 MISCELLANEOUS (KVA): 0.0 6.5 KVA AMPS AMPACITY REQUIRED: 93.9 NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. | 27 | 20/1 | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 28 |
| RECEPTACLES (KVA):5.3DEMAND LOAD (KVA):33.8MOTORS (KVA):0.0PHASE A12103.3A/C (KVA):27.9PHASE B1085.8CONNECTED LOAD (AMPS):93.8HEATING (KVA):0.0PHASE C1192.5DEMAND LOAD (AMPS):93.8KITCHEN (KVA):0.0KVAAMPS93.9MISCELLANEOUS (KVA):0.5AMPACITY REQUIRED:93.9NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. | 29 | 20/1 | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 30 |
| MOTORS (KVA):0.0PHASE A12103.3A/C (KVA):27.9PHASE B1085.8CONNECTED LOAD (AMPS):93.8HEATING (KVA):0.0PHASE C1192.5DEMAND LOAD (AMPS):93.8KITCHEN (KVA):0.0KVAAMPSMISCELLANEOUS (KVA):0.5AMPACITY REQUIRED:93.9NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.0.0NOTE: STALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. | LIGHTING (KVA): 0.1 | | | 0.1 | 3.0 | 0.0 | 15.9 | 0.0 | 0.0 | | 0.0 | 2.3 | 0.0 | 12.0 | 0.0 | 0.5 | CONNECTED LOAD (KVA): | 3 | 3.8 |
| A/C (KVA): 27.9 PHASE B 10 85.8 CONNECTED LOAD (AMPS): 93.8 HEATING (KVA): 0.0 PHASE C 11 92.5 DEMAND LOAD (AMPS): 93.8 KITCHEN (KVA): 0.0 KVA AMPS DEMAND LOAD (AMPS): 93.9 MISCELLANEOUS (KVA): 0.5 AMPACITY REQUIRED: 93.9 NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. | | | | | | | | | | | | | | | | | DEMAND LOAD (KVA): 33.8 | | |
| HEATING (KVA): 0.0 PHASE C 11 92.5 DEMAND LOAD (AMPS): 93.8 KITCHEN (KVA): 0.0 KVA AMPS AMPACITY REQUIRED: 93.9 MISCELLANEOUS (KVA): 0.5 AMPACITY REQUIRED: 93.9 NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. | MOTORS (KVA): 0.0 | | | PHASE A | | | | | 12 | 103.3 | | | | | | | | | |
| KITCHEN (KVA): 0.0 KVA AMPS MISCELLANEOUS (KVA): 0.5 AMPACITY REQUIRED: 93.9 NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. | A/C (| KVA): | 27.9 | | PHASE B | | | | | 10 | 10 85.8 | | | | | | CONNECTED LOAD (AMPS): 93.8 | | |
| MISCELLANEOUS (KVA): 0.5 AMPACITY REQUIRED: 93.9 NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. | | | | PHASE C | | | | 11 | 92.5 | | | | | | DEMAND LOAD (AMPS): 93.8 | | | | |
| NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. | | | | | | | | | KVA | AMPS | | | | | | | | | |
| | MISCELLANEOUS (KVA): 0.5 | | | | AMPACITY REQUIRED: | | | | | | | | | AMPACITY REQUIRED: | 93.9 | | | | |
| * DENOTES GFI TYPE CIRCUIT BREAKER | NOTE: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY. | | | | | | | | | | LY. | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

KEYNOTES:

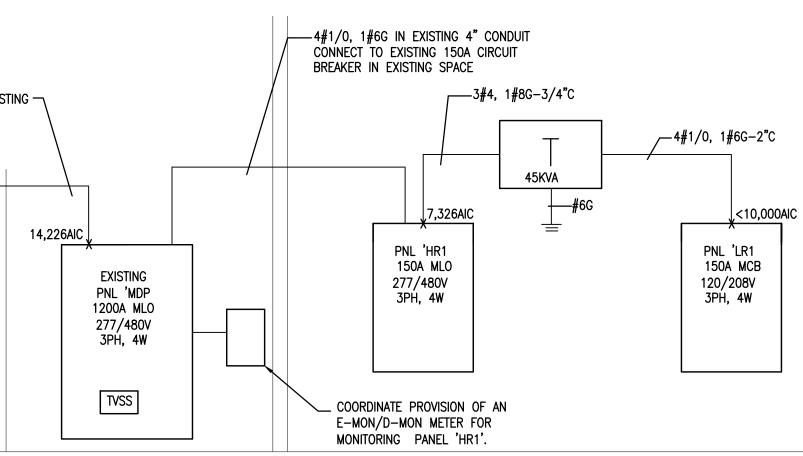
 $\langle 1 \rangle$ existing panel to remain. ② EXISTING LOAD TO REMAIN. FIELD VERIFY EXACT REQUIREMENTS.

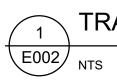
EXISTING -



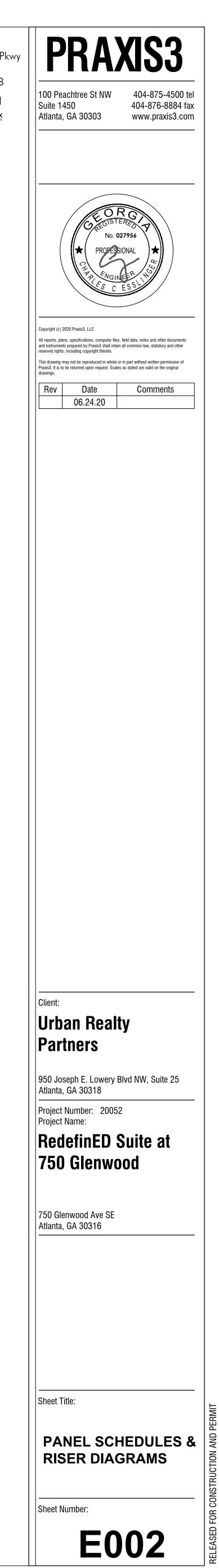


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TRANSFORMER SUPPORT DETAIL



SUBMITTALS: 1. SUBMIT SHOP DRAWINGS & PRODUCT INFORMATION FOR THE FOLLOWING: * SERVICE & DISTRIBUTION EQUIPMENT * PROTECTIVE DEVICES * LIGHTING FIXTURES AND LAMPS * WIRING DEVICES AND COVER PLATES

DISTRIBUTION EQUIPMENT: SIEMENS-ALLIS ITE PRODUCTS, EATON/CUTLER HAMMER. 'SQUARE D' I-LINE DEVICES.

3. PANELBOARDS; FACTORY ASSEMBLED, MINIMUM WIDTH OF 20 INCHES, A MINIMUM DEPTH OF 5-3/4 INCHES, AND MINIMUM MAINS RATED 100 AMPERES, WITH POLE 'SPACES'; BUSSED AND READY FOR INSTALLATION OF PROTECTIVE DEVICES. CABINETS; FULL SIZED SINGLE DOORS WITH CHROMIUM PLATED COMBINATION CYLINDER LOCK AND CATCH AND TWO KEYS. "ABB/GENERAL ELECTRIC" OR EQUAL: TYPE "NLAB" W/ Q-LINE BRANCH CIRCUIT BREAKERS; TYPE "NHB" WITH E-FRAME BREAKERS. 4. PANELBOARD MAINS; COPPER OR ALUMINUM WITH BRANCH CONNECTIONS IN VERTICALLY DISTRIBUTED CONSECUTIVE PHASE SEQUENCE SUCH THAT ONE OR MULTIPLE POLE BREAKERS CAN BE MOUNTED IN ANY POSITION. SOLID NEUTRAL BUS; WITH A FEEDER LUG AND WITH A SEPARATE SET-SCREW TERMINAL FOR EACH BRANCH CIRCUIT POLE. 5. PANELBOARD MOUNTING; TOP OF ENCLOSURE 78 INCHES ABOVE THE FINISHED FLOOR/GRADE, WITH THE BOTTOM OF THE CABINET NOT CLOSER THAN 6 INCHES TO THE FLOOR/GRADE, PROPERLY ALIGNED AND SUPPORTED INDEPENDENTLY OF THE CONNECTING RACEWAYS. COMPLETE INSIDE CIRCUIT DIRECTORY CARD USING A TYPEWRITER.

'NEMA-3R' ENCLOSED TYPE WITH LOCKING HASP. RATINGS OF EQUIPMENT IN ACCORDANCE WITH CODE REQUIREMENTS, MANUFACTURER'S RECOMMENDATIONS AND CHARTS. PROVIDE SWITCHES WITH CODE REQUIRED ACCESSORIES. VAC OR 600VAC AS FOLLOWS:

OTHER RATINGS, SIZES OR SPECIAL APPLICATIONS AS INDICATED

OVERLOAD PROTECTION. OR INHERENTLY PROTECTED BY DESIGN; SWITCHED BY A FRACTIONAL HORSEPOWER STARTER PROVIDING SUPPLEMENTARY PROTECTION. 10. STARTERS AND DISCONNECT SWITCHES; ENCLOSED QUICK-MAKE AND QUICK-BREAK MECHANISMS. 11. BRANCH CIRCUIT BREAKERS; MOLDED CASE, AUTOMATIC TRIPPING TYPE, BOLT-ON OR I-LINE CONSTRUCTION, MINIMUM FRAME SIZE OF 100 AMPS AND A MINIMUM TRIP SIZE OF 15 AMPS, CALIBRATED FOR 40oC. PROVIDE SUITABLE TYPE BREAKERS SERVING HIGH INRUSH CIRCUITS FOR INCANDESCENT LIGHTING. 12. GROUP SINGLE-POLE BREAKERS USED FOR MULTI-WIRE CIRCUITS CONSECUTIVELY ON THE SAME SIDE OF THE CABINET.

CONDUCTORS:

'ASTM' STANDARDS. 2. CONDUCTOR SIZE NUMBERS; AMERICAN WIRE GAUGE (AWG. SYSTEM, STANDARD TRADE SIZES. 3. CONDUCTORS; COLOR CODED PER CODE AND UTILITY CO.

4. CONDUCTORS;

No.10 AWG SIZEAND SMALLER; SOLID OR STRANDED. * CONTROL CIRCUITS; MINIMUM AWG No.14.

5. USE A SEPARATE LUG FOR EACH CONDUCTOR WHERE MULTIPLE CONDUCTORS ARE CONNECTED TO THE SAME ELECTRICAL TERMINAL POSITION BRANCH CIRCUIT CONDUCTORS; UNSPLICED EXCEPT WHERE CIRCUITS ARE SHOWN TO DIVIDE BY THE PLANS.

VOLTS, WITH 75°C OR 90°C INSULATION AS FOLLOWS: BRANCH CONDUCTORS RATED FOR:

A SUITABLE HIGH TEMPERATURE RATING.

RACEWAYS: 1. INSTALL WIRING IN METALLIC, RIGID TYPE RACEWAYS ABOVE ACCESSIBLE CEILINGS. MC CABLE SHALL BE PERMITTED TO BE USED IN NON-ACCESSIBLE AREAS. . RUN RACEWAYS AND CABLE CONCEALED, EXCEPT RACEWAYS IN EQUIPMENT ROOMS RUN EXPOSED.

3. RACEWAYS IN ORDINARY LOCATIONS: *

INSIDE (NOT IN WET OR DAMP LOCATIONS OR EXPOSED TO MECHANICAL INJURY); STEEL, ELECTRICAL METALLIC TUBING (EMT) OR MC CABLE. EXPOSED OUTSIDE, THROUGH OUTSIDE WALL OR ROOF, OR THROUGH TWO-HOUR OR MORE RATED FIRE BARRIERS; GALVANIZED RIGID STEEL (GRS) CONDUIT MADE UP WATER TIGHT. * * FINAL CONNECTION IN DRY LOCATIONS SERVING LIGHTING FIXTURES; FLEXIBLE METAL CONDUIT OR FLEXIBLE METALLIC TUBING. CONNECTIONS TO MOTORS, OR TO COMPONENTS IN WET OR DAMP LOCATIONS, * LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LT FLEX).

4. RIGID STEEL GRS, AND STEEL IMC; HOT DIP GALVANIZED

5. STEEL EMT; HOT DIP GALVANIZED OUTSIDE, AND ENAMEL OR GALVANIZED FINISHED INSIDE. 6. EMT COUPLINGS AND CONNECTORS; METAL AS FOLLOWS: * RAINTIGHT, HEX-NUT, EXPANSION- GLAND COMPRESSION STEEL, FOR ANY WET OR DAMP LOCATION OR FEEDER (OR SUB-FEEDER.

7. CIRCULAR RACEWAYS; MINIMUM TRADE SIZE AS FOLLOWS: 1/2-INCH; GENERAL. 3/4-INCH; 'HOMERUN' CIRCUIT WIRING; *

MORE THAN (3) CONDUCTORS. 8. SIZE RACEWAYS TO ACCOMMODATE THE ENCLOSED CONDUCTORS. PROVIDE JUNCTION OR PULL BOXES TO AVOID EXCESSIVE RUNS OR BENDS BETWEEN OUTLETS, AND AT LOW POINTS IN RACEWAY RUNS.

10. SUPPORT CONCEALED CONDUIT ABOVE THE CEILING INDEPENDENTLY OF CEILING CONSTRUCTION. INSTALL CONDUITS HIGH ABOVE LAY-IN CEILINGS TO PERMIT REMOVAL OF CEILING PANELS OR FOUIPMENT.

FEASIBLE, COORDINATED WITH STRUCTURAL, MECHANICAL AND ARCHITECTURAL REQUIREMENTS. ROUTE RACEWAYS TO AVOID 'TRAPPING' WHERE PRACTICABLE.

1. DISTRIBUTION EQUIPMENT; RATED FOR 240 OR 600 VAC, 60 HZ, FAULT CURRENT INTERRUPTING CAPACITY AS INDICATED, IN AMPERES, RMS, SYMMETRICAL, BUT NOT LESS THAN 10,000 AMPS, WITH SOLID NEUTRAL GROUND (S/N); ABB/GENERAL ELECTRIC (ABB-G.E.), SCHNEIDER ELECTRIC/SQUARE-D,

2. DISTRIBUTION EQUIPMENT USING CIRCUIT BREAKER TYPE PROTECTIVE DEVICES; BOLTED-ON OR

6. DISCONNECT SWITCHES; 'HEAVY-DUTY' RATED WITH QUICK-MAKE AND QUICK-BREAK MECHANISMS. PROVIDE GROUND LUGS AND CODE REQUIRED ACCESSORIES. SWITCHES LOCATED OUTSIDE;

7. PROVIDE AN ENCLOSED SWITCH FOR ELECTRICALLY SERVED EQUIPMENT. PROVIDE SWITCHES & FUSES, INCLUDING HEATER ELEMENTS, RATED PER THE CHARACTERISTICS AND NAMEPLATE

FUSED SWITCHES IN BRANCH CIRCUITS; NON-RENEWABLE CARTRIDGE FUSES RATED 250 OR 300 SIZES 1 – 200 AMPS: DUAL ELEMENT, CURRENT LIMITING FUSES, CLASS 'RK-1', OR 'RK-5', SELECTED TO PROVIDE STARTING AND LIMIT LET-THRU CURRENT.

D. STATIONARY FRACTIONAL HORSEPOWER MOTORS NOT PROVIDED WITH INTEGRAL MOTOR RUNNING

CONDUCTORS; SOFT DRAWN, ANNEALED COPPER WITH CONDUCTIVITY OF NOT LESS THAN 98

No.8 AWG SIZE AND LARGER; STRANDED. STRANDED CONDUCTORS; CLASS 'B' OR 'C'. POWER AND LIGHTING BRANCH CIRCUITS; AWG # 12 FOR GENERAL CIRCUITS NOT REQUIRING DERATING OR SIZE INCREASE TO REDUCE VOLTAGE DROP.

GENERAL WIRING CONDUCTORS OPERATING AT 600 VOLTS AND BELOW; RATED 60 HERTZ, 600 FEEDER CONDUCTORS: RATED FOR WET LOCATIONS OF 'THW', 'THWN' OR 'XHHW'.

 WET LOCATIONS, OR LOCATIONS LOCATED BELOW GRADE OR ENCASED IN SLAB ON GRADE, OF 'THW', 'THWN' OR 'XHHW'.
 * DRY LOCATIONS OF 'THW', 'THWN', 'XHHW' OR 'THHN'. RATED LIGHTING CONDUCTORS FOR CIRCUITS REQUIRING 90oC RATING; 'THHN' OR 'XHHW', OR OTHER APPROVED TYPE. JOINTS ON CONDUCTORS RATED ABOVE 75°C; TAPED OR MADE-UP WITH MATERIALS HAVING

* SET-SCREW OR TAP-ON, STEEL OR CAST METAL, FOR DRY LOCATIONS.

11. INSTALL EXPOSED RACEWAYS PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS AND ARCHITECTURAL FEATURES. INSTALL CONCEALED CONDUIT RACEWAYS WITH AS FEW BENDS AS

- ENCLOSURES AND BOXES: EQUIPMENT ENCLOSURES, BOXES, & COVERS; GALVANIZED STEEL, MALLEABLE IRON, GRAY IRON, OR COPPER-FREE ALUMINUM. SCREWS; STAINLESS STEEL; ALUMINUM FOR ALUMINUM BOXES. 2. ENCLOSURES: * FLUSH MOUNTED WITH CONCEALED RACEWAYS OR FLUSH MOUNTED DEVICES.
 - SURFACE MOUNTED TYPE IN EQUIPMENT ROOMS, WITH EXPOSED RACEWAYS AND OTHER * SURFACE MOUNTED DEVICES. BOXES FOR USE WITH GENERAL RACEWAY SYSTEMS; 4 INCHES SQUARE OR OCTAGONAL SIZE, NOT
- BE LESS THAN 1-1/2 INCHES DEEP, EXCEPT WHERE SHALLOWER BOXES ARE REQUIRED BY STRUCTURAL CONDITIONS. 4 BY 2 INCH BOXES; WHERE ONLY ONE RACEWAY ENTERS AN OUTLET BOX, OR WHERE NEEDED TO MATCH DEVICES AND/OR MOUNTING HARDWARE. BOXES FOR RACEWAY SYSTEMS SERVING CEILING 'POWER' GRID SYSTEMS OR LIGHTING FIXTURES; SIZE 4-11/16 INCH SQUARE BOXES, 42 CU. IN. USE EXTENSION RINGS OR LARGER BOXES IF
- NECESSARY TO MEET CU. IN. CAPACITY REQUIRED BY CODE. ENCLOSURES AND BOXES; VOLUME AND REQUIRED WIRE BENDING AND GUTTER SPACE AND FEATURES TO SUIT CODE REQUIREMENTS.
- 6. DO NOT INSTALL BOXES BACK-TO-BACK. DO NOT USE THRU-WALL TYPE BOXES. SEPARATE BOXES IN THE SAME FIRE RATED WALL BY EITHER SOLID STUDS, OR A MINIMUM DISTANCE ESTABLISHED BY LOCAL BUILDING OFFICIALS; SEAL CONNECTING CONDUIT TO PREVENT THE TRANSMISSION OF HEAT, SMOKE, AND NOISE, WITH SEALING METHOD AS APPROVED BY THE FIRE MARSHAL.
- 7. DO NOT USE SUSPENDED CEILING CONSTRUCTION TO SUPPORT RACEWAYS, BOXES OR OTHER ITEMS, EXCEPT AS ALLOWED BY CODE AND ACCEPTED BY THE ARCHITECT IN WRITING.

DEVICES: SWITCHES; STANDARD LINE STYLE, MAINTAINED, 15 OR 20 AMPS, 120-277 VAC, QUIET OPERATING, FLUSH MOUNTING, BY LEVITON, 'SPEC-MASTER, COMMERCIAL SPEC. GRADE' SERIES, HUBBELL OR ARROW HART.

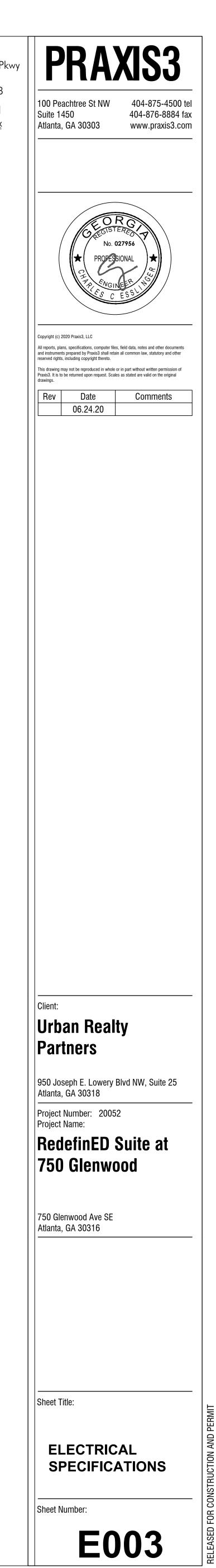
2. RECEPTACLES; STANDARD LINE STYLE, STRAIGHT BLADE, 2-POLE, 3-WIRE GROUNDING TYPE, RATED 125 VAC, 15 OR 20 AMPS, BY LEVITON, 'SPECMASTER, 'COMM. SPEC. GRADE' SERIES, HUBBELL OR ARROW HART.

3. DIMMER SWITCHES; RATED FOR FULL RANGE DIMMING OF 120 VAC LOADS, EITHER FLUORESCENT OR INCANDESCENT, KNOB OR SLIDE CONTROLLED W/ FULL OFF POSITION, FLUSH MOUNTABLE IN STANDARD 1-GANG OR J-GANG BOXES. ARCHITECTURAL' STYLE, THIN PROFILE TYPES, BY LEVITON, COMM. SPEC. GRADE' SERIES, LUTRON OR LITHONIA.

- 4. GROUND FAULT CIRCUIT INTERRUPTED (GFCI) RECEPTACLES; U.L. LISTED FOR PERSONNEL PROTECTION AGAINST LINE-TO- GROUND SHOCK HAZARD. GFCI RECEPTS.; DUPLEX, 'DECORA STYLE' BY LEVITON, 'COMM. SPEC. GRADE', HUBBELL OR ARROW HART.
- 5. KEYLESS LAMPHOLDER: WHITE PORCELAIN, 660 WATTS AT 250 VOLTS; LEVITON, CAT. No. 9875-2.
- LOW VOLTAGE SWITCHES & COMPONENTS: ABB/GENERAL ELECTRIC, 24–VOLT SYSTEM. 7. COVER PLATES: FOR FLUSH, INSIDE, WALL MOUNTED DEVICES; LEVITON.
- 8. MOUNT DEVICES RECESSED FOR FLUSH INSTALLATION. PROVIDE COVER PLATES FOR EACH DEVICE.
- ALIGN DEVICES AT DIFFERENT LEVELS VERTICALLY. GROUP DEVICES AT THE SAME LEVEL USING SECTIONAL GANG BOXES. CENTER DEVICES IN ARCHITECTURAL FEATURES. 10. LOCATE WALL SWITCHES ON THE STRIKE SIDE OF A DOOR, SIX (6) INCHES FROM THE OPENING.
- 11. MOUNT SMALL FLUSH MOUNTED MOTOR DEVICES IN STANDARD DEVICE BOXES.
- 12. INSTALL WIRING DEVICES WITH TOP-OF-BOX MOUNTING HEIGHTS ABOVE FINISHED FLOORS BETWEEN 18 INCHES AND 48 INCHES, AS REQUIRED BY HANDICAPPED CODES.
- 13. COVER PLATES FOR FLUSH, DRY, ORDINARY LOCATIONS; STANDARD SIZE ONE PIECE. WIRING DEVICES AND COVER PLATE FINISHES; AS INDICATED BY THE PLANS.
- LIGHTING: PROVIDE ALL LAMPS AT 3500K, UNLESS NOTED OTHERWISE.
- FIXTURE CRI SHALL MEET OR EXCEED THAT SPECIFIED IN FIXTURE SCHEDULE INCLUDED WITHIN CONTRACT DOCUMENTS. WHERE NO CRI IS SCHEDULE, CRI SHALL BE 80 OR GREATER.
- 3. ALL LED DRIVERS SHALL HAVE AN OPERATING EFFICIENCY OF AT LEAST 85%, MINIMUM STARTING TEMPERATURE OF AT LEAST -40DEGREES CELSIUS, VOLTAGE INPUT/PHASE AS SPECIFIED IN FIXTURE SCHEDULE. 4. ALL LED FIXTURES SHALL COME EQUIPPED WITH INTEGRAL HEAT DISSIPATION SYSTEMS.
- LED FIXTURES SHALL HAVE LED SOURCES AND DRIVERS THAT ARE ACCESSIBLE FROM THE EXPOSED SIDE OF THE FIXTURE AND DO NOT REQUIRE REMOVAL OF FIXTURE FOR LED SOURCE AND/OR DRIVER REPAIR/REPLACEMENT. FLUORESCENT BALLASTS; HIGH POWER FACTOR (HPF) TYPE, CLASS 'P' PROTECTED, SOUND RATING
- A', AND ENERGY SAVING TYPE. . FLUORESCENT BALLASTS FOR THE MINI-LAMPS; U.L. LABELED OR ACCEPTABLE TO BUILDING OFFICIALS, ENCAPSULATED, QUIET OPERATING DESIGN IF AVAILABLE.
- 8. ORIENT FLUORESCENT LAMPS WITHIN THE SAME VISUAL SPACE IN THE SAME DIRECTION.
- GROUNDING: GROUND ELECTRICAL SYSTEMS, EQUIPMENT, AND SUPPORTING STRUCTURES. PROVIDE BONDING JUMPERS WHERE NECESSARY. MECHANICALLY AND ELECTRICALLY SECURE METAL RACEWAYS AND ITTINGS, JOINTS AND CONNECTIONS AT EQUIPMENT TO PROVIDE AN GROUNDING MEANS. METAL RACEWAYS; ELECTRICALLY CONTINUOUS THROUGHOUT THEIR LENGTH FOR AN EFFECTIVE GROUNDING PATH TO THE POWER SERVICE DISCONNECT SWITCH.
- INSTALL GROUNDING CONDUCTORS WITHOUT JOINT OR SPLICE TO THE GREATEST PRACTICAL EXTENT.
- PROVIDE FOR EACH RACEWAY A GREEN #12 GROUNDING CONDUCTOR IN ADDITION TO BRANCH CONDUCTORS INDICATED.
- 4. DO NOT SPLICE MAIN BONDING JUMPER. CONFIRM THAT A MAIN BONDING JUMPER IS PROVIDED AT THE POINT OF SERVICE ONLY.
- TESTING: TEST INDIVIDUAL SYSTEMS AND COMPONENTS FOR FULL FUNCTIONAL REQUIREMENTS. PERFORM TESTS AS REQUIRED BY CODE, LOCAL PRACTICES, OR AS REASONABLY REQUIRED BY THE OWNER'S REPRESENTATIVE WHERE A QUESTION ARISES AS TO THE PROPER INSTALLATION OR OPERATION OF MATERIALS.
- 2. PROVIDE TESTING INSTRUMENTS, PROCEDURES, AND DOCUMENTATION.
- **MISCELLANEOUS:** 1. SELECT, SIZE, AND ASSEMBLE FOUNDATIONS, SUPPORTS, AND FASTENERS.
- 2. FASTENINGS FOR SECURING CONDUIT RUNS, LIGHT APPARATUS. * BOLTS, BEAM CLAMPS, OR DRIVEN OR WELDED STUDS ON STEEL WORK
 - TOGGLE BOLTS ON HOLLOW TILE OR CONCRETE BLOCKS * STEEL ANCHORS OF THE SELF-DRILLING OR NON-DRILLING TYPES ON SOLID CONCRETE OR *
 - VACUNIBA POWER DRIVEN STUDS MAY BE USED ON STEEL AND SOLID CONCRETE WHERE ACCEPTED * BY THE OWNER'S REPRESENTATIVE.
- MAJOR COMPONENTS OF THE DISTRIBUTION SYSTEM SUCH AS THE PANELBOARD SHALL HAVE PERMANENT NAMEPLATES FOR EQUIPMENT IDENTIFICATION.
- 4. SEAL CONDUITS ROUTED BETWEEN SPACES OF DIFFERENT AMBIENT TEMPERATURES, SUCH AS
- REFRIGERATED SPACES OR OUTDOOR AREAS.TO PREVENT CIRCULATION OF AIR. INSTALL RACEWAY OR CABLE, ETC. THAT PENETRATES A FIRE BARRIER, WITH MATERIALS AND METHODS APPROVED FOR APPLICATION BY BUILDING OFFICIALS. IDENTIFY EACH FIRE BARRIER FROM THE ARCHITECTURAL PLANS, AND FOR SECURE APPROVAL OF MATERIALS AND METHODS FOR EACH TYPE PENETRATION.
- TELEPHONE SYSTEM ROUGH-IN: 1. CONTACT THE TELEPHONE CO., COORDINATE THE WORK TO MAKE THE INSTALLATION READY FOR THE TELEPHONE COMPANY, INCLUDING CABINETS, RACEWAYS AND PULL WIRES, RACEWAY SYSTEM BOXES, DEDICATED ELECTRICAL BRANCH CIRCUITS AND RECEPTACLES, DEDICATED GROUNDING CONDUCTORS, AND MISCELLANEOUS MATERIALS OR DEVICES.
- PROVIDE COMPLETE ENCLOSED RACEWAYS WITH MEASURED PULL CORDS FOR FUTURE USE BY OTHERS. PROVIDE A 3/4" PVC CONDUIT FROM EACH MAIN CABINET OR BACKBOARD LOCATION TO NEAREST ACCESSIBLE, GROUNDED, METAL COLD WATER PIPE, AND A #6 SOLID COPPER CONDUCTOR BONDED TO THE WATER PIPE AND COILED FOR USE IN GROUNDING EQUIPMENT.



| | r Lighting Compl | iance C | ertifi | cate | ; | | | |
|--|---|--|---------------------------------|------------------------|--------------------------|--|--|--|
| | 5 5 1 | | | | | | | |
| Project Information | | | | | | | | |
| Energy Code: Project Title: Project Type: | 2015 IECC RedefinED Suite at 750 Glenwood New Construction | | | | | | | |
| Construction Site: 750 Glenwood Ave, SE Atlanta, GA 30316 | Owner/Agent: Urban Realty Partners 950 Joesph E. Lowery Blvd NW Suite 25 Atlanta, GA 30318 | Designer/Contractor: Charles Esslinger W Westside Engineering 5525 Interstate N Parkway Suite 200 Atlanta, GA 30328 | | | | | | |
| Additional Efficiency Package | !(s) | 404.965. | 1287 | | | | | |
| Reduced interior lighting power. Require | ements are implicitly enforced within interior light | ing allowance calculat | ions. | | | | | |
| Allowed Interior Lighting Pow | er | | | | | | | |
| Area | A a Category | B Floor Area (ft2) | C Allowed Watts / ft2 | | D ved Watts 3 X C) | | | |
| 1-Office Space (Office) | | 1947 | 0.74 | | 1437 | | | |
| | | Tot | al Allowed Wa | atts = | 1437 | | | |
| Proposed Interior Lighting Po Fixture ID : Descriptio | wer A n / Lamp / Wattage Per Lamp / Ballast | B Lamps/ Fixture | C # of Fixtures | D Fixture Watt. | E (C X D) | | | |
| 1-Office Space (Office) LED 1: A: LED Linear: Other: | | 1 | 20 | 44 | 1100 | | | |
| LED 1. A. LED Linear. Other. LED 1 copy 1: B: LED Undercabinet: | Other: | 1 | 29 2 | 41 20 | 1180 40 | | | |
| | | | Total Propose | ed Watts = | 1220 | | | |
| | | | | | | | | |
| Interior Lighting PASSES: De | sign 15% better than code | | | | | | | |
| Interior Lighting Compliance Compliance Statement: The propo specifications, and other calculatio | Statement sed interior lighting design represented in ns submitted with this permit application. [–] equirements in COM <i>check</i> Version 4.1.2.1 a | The proposed interio | or lighting sy | stems ha | ve been | | | |
| Interior Lighting Compliance Compliance Statement: The propo specifications, and other calculatio designed to meet the 2015 IECC re requirements listed in the Inspection Charles C Esslinger | Statement sed interior lighting design represented in ns submitted with this permit application. equirements in COM <i>check</i> Version 4.1.2.1 a on Checklist. | The proposed interio | or lighting sy any applicabl | stems ha | ve been | | | |
| Interior Lighting Compliance Compliance Statement: The propo specifications, and other calculatio designed to meet the 2015 IECC re requirements listed in the Inspectio | Statement sed interior lighting design represented in ns submitted with this permit application. [–] equirements in COM <i>check</i> Version 4.1.2.1 a | The proposed interio | or lighting sy any applicabl | stems hav le mandat | ve been | | | |



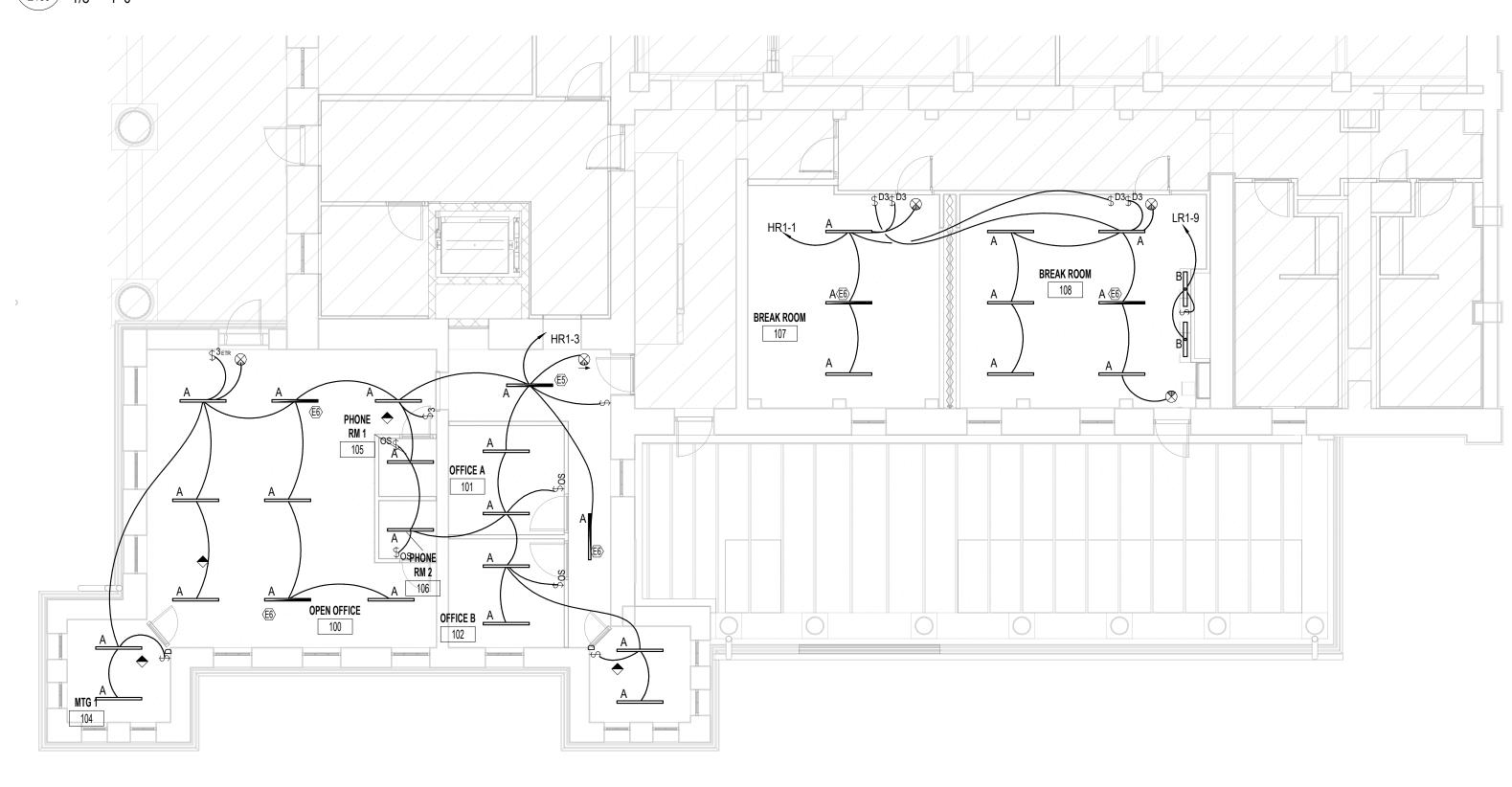
ELECTRICAL KEYNOTES

- E1 FLOOR BOXES IN THE TILE/CARPET AREA TO BE WIREMOLD WALKER "RFB4" OR APPROVED EQUAL. FLOOR BOX SHALL BE FOUR-GANG, WITH ALL REQUIRED DEVICES AND ACCESSORIES FOR A PROPER INSTALLATION. PROVIDE WITH FLANGED ACTIVATION KIT (COLOR/FINISH PER ARCHITECT). PROVIDE (2) 1"C WITH PULLWIRE FROM COMPUTER/TELEPHONE OUTLET BELOW SLAB TO ABOVE ACCESSIBLE CEILING. COORDINATE FLOOR TYPE WITH ARCHITECT. VERIFY EXACT LOCATION/DIMENSIONS IN WRITING WITH INTERIOR DESIGNER PRIOR TO INSTALLATION.
- DATA/TELEPHONE/CATV CONDUIT(S) TO BE WITHIN SLAB. CUT AND PATCH EXISTING SLAB AS REQUIRED. COORDINATE EXACT REQUIREMENTS IN E2 FIELD.
- COORDINATE MOUNTING HEIGHTS OF CATV DEVICE AND DATA OUTLET WITH ARCHITECT. E3 FIXTURE SUPPLIED WITH EMERGENCY BATTERY PACK AND SHALL BE WIRED AHEAD OF SWITCH LEG TO SERVE AS NIGHT LIGHT. EMERGENCY E5
- BATTERY PACK SHALL BECOME ENERGIZED UPON LOSS OF PHASE CONDUCTOR POWER. FIXTURE SUPPLIED WITH EMERGENCY BATTERY PACK. ALL FIXTURE LAMPS SHALL BE SWITCHED ON/OFF. EMERGENCY BATTERY PACK SHALL E6 BECOME ENERGIZED UPON LOSS OF CIRCUIT POWER.
- MOUNT TRANSFROMER FROM STRUCTURE ABOVE. REFER TO TRANSFORMER SUPPORT DETAIL, SHEET 1/E001. E8 EXISTING HVAC UNIT TO REMAIN. EXTEND EXISTING CIRCUIT TO NEW PANEL AS INDICATED. RE-USE EXISTING DISCONNECT SWITCH TO
- GREATEST EXTENT POSSIBLE. E9 EXISTING 4"C FOR POWER AND 2"C FOR LOW VOLTAGE. RE-USE EXISTING CONDUIT FOR NEW PANEL PER POWER RISER DIAGRAM. EXTEND LOW
- VOLTAGE CONDUIT TO TELEPHONE BACKBOARD LOCATION. E10 PROVIDE GROUND BUS WITH #6G TO MAIN ELECTRICAL SERVICE GROUND. EXTEND EXISTING 2" LOW VOLTAGE CONDUIT TO BACKBOARD LOCATION.

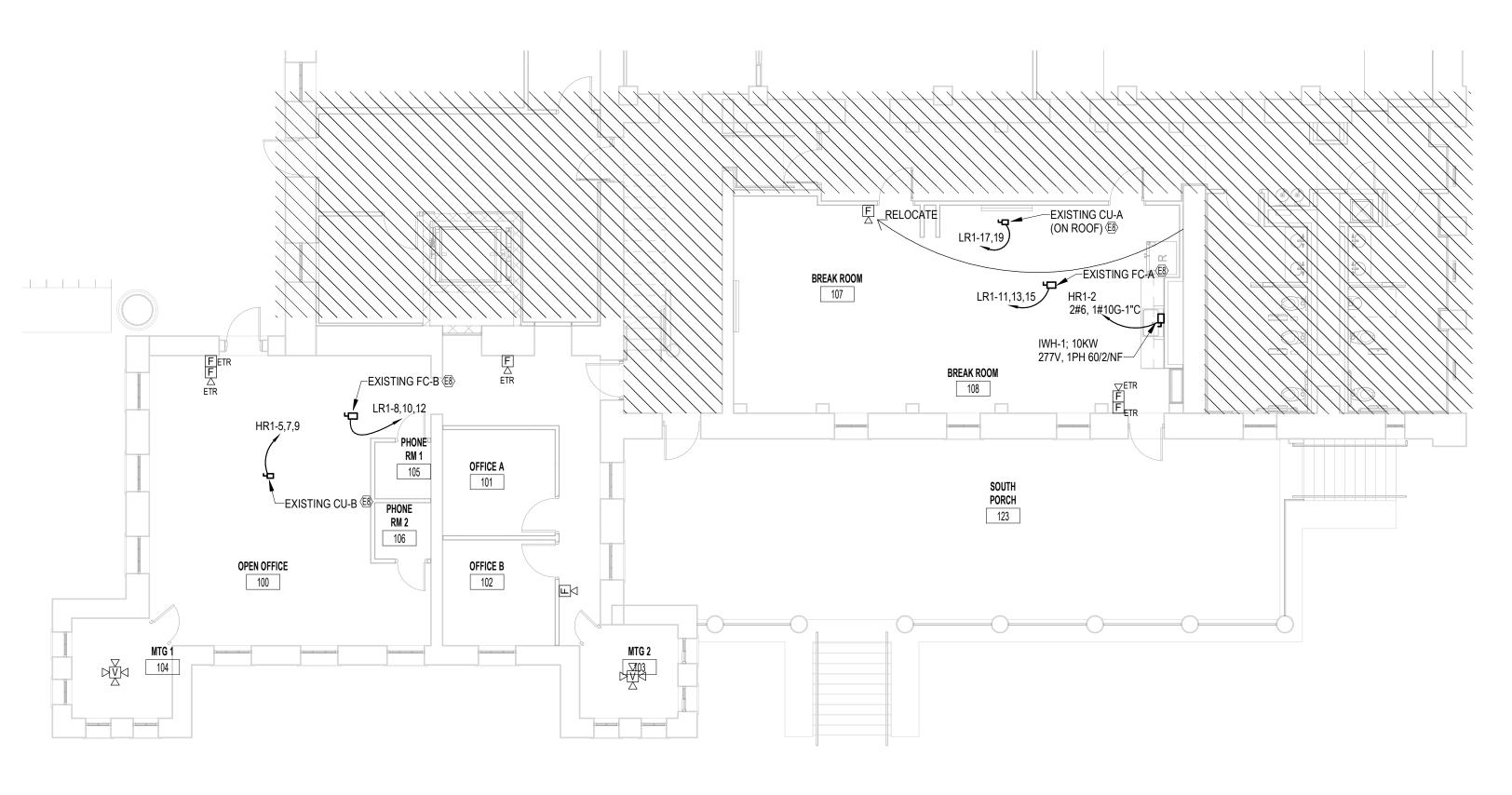
GENERAL NOTE:

ON ALL EXISTING WALLS TO REMAIN ROUTE ALL CONDUIT LOW ON WALL TIGHT AGAINST FLOORING. ROUND CONDUIT VERTICALLY UP FROM ELECTRICAL DEVICE WHERE REQUIRED. THE INTENT IS TO MINIMIZE PENETRATIONS AND EXPOSED CONDUIT ON HISTORIC CONCRETE WAINSCOT. VERIFY ALL EXPOSED CONDUIT ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.

3 LEVEL 1 LIGHTING PLAN E100 1/8" = 1'-0"

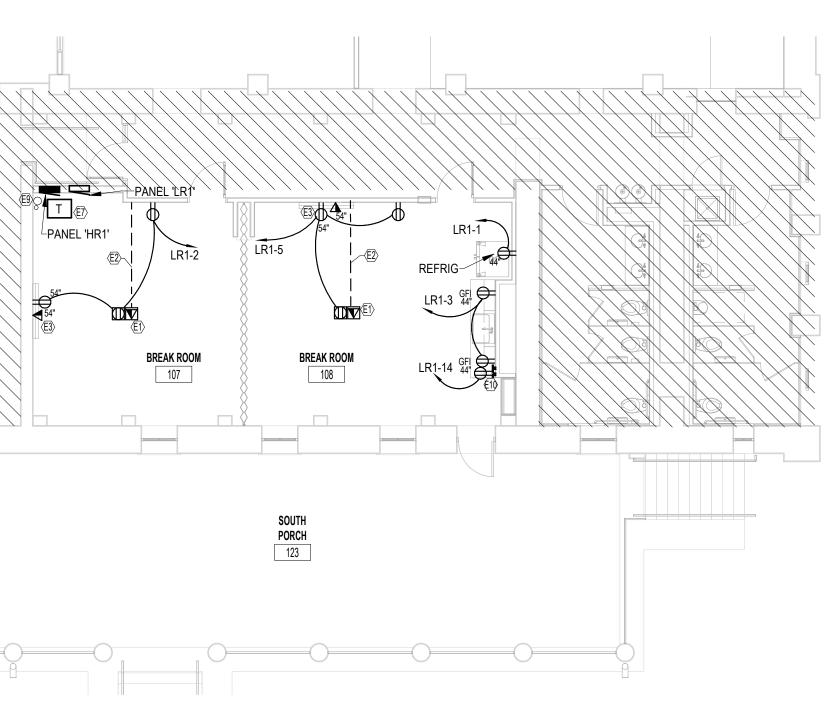


2 LEVEL 1 SYSTEMS PLAN E100 1/8" = 1'-0"



1 LEVEL 1 POWER PLAN E100 1/8" = 1'-0"

) LR1-6 PHONE RM 1 105 OFFICE A PHONE RM 2 OPEN OFFICE 100 106 OFFICE B 102 _____ -----------------Ð \ominus MTG 2 MTG 1 103 104 _____





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