BILL HENSON

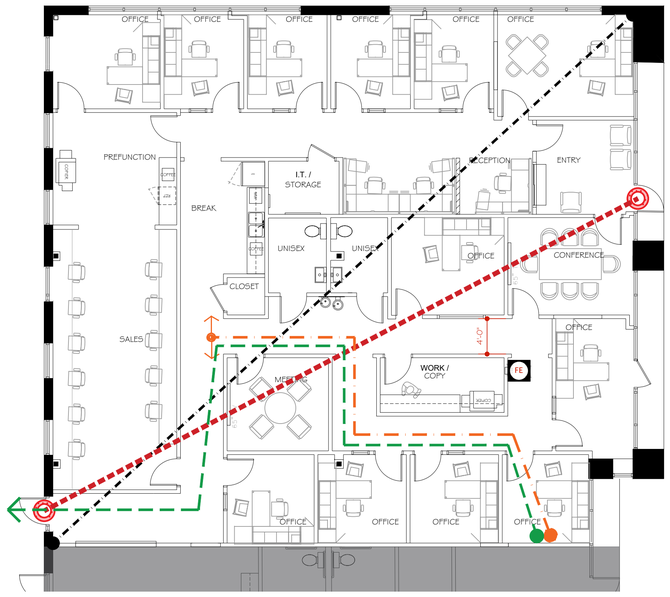
206 gothic court, suite 301, franklin, tn, 37067

LINES interiors + architecture

project scope:

the interior build out of a real estate agency office in an existing, one story office space. The scope of work includes minor demolition, addition of (10) new offices, and new break counter. Scope also includes demising this space from office space plan south. Unisex restrooms are existing to remain and accessible.

egress | life safety plan



1st floor egress | life safety plan

REQUIRED EXIT

SECONDARY EXIT

FE FIRE EXTINGUISHER (75'-0" RADIUS)

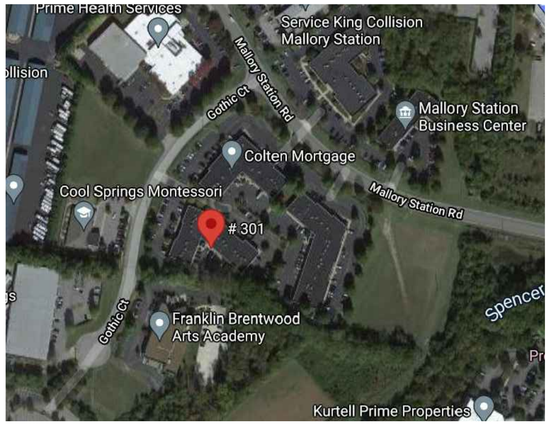
8' 4' 0 8'

EXIT SEPARATION ≥ 1/3 OVERALL DIAGONAL

MAX. COMMON PATH OF TRAVEL

MAX. TRAVEL DISTANCE TO EXIT ACCESS

MAX. OVERALL DIAGONAL OF AREA SERVED



MAP LOCATION

code review data:

CITY OF FRANKLIN GOVERNING CODES:
(ALL LOCAL AMENDMENTS APPLY)

2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL FUEL GAS CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2017 ICC/ANSI A-117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES
2018 NFPA LIFE SAFETY CODE 101
2017 NATIONAL ELECTRIC CODE

BUILDING CONSTRUCTION:

STORIES: 1
CONSTRUCTION TYPE: 2B
SPRINKLERED

OCCUPANCY CLASSIFICATION & OCCUPANT LOAD:

GROUP B - BUSINESS USAGE = 150 SQUARE FEET PER OCCUPANT

4,284 USF = 42 OCCUPANTS

IBC - SPRINKLERED CONDITION

COMMON PATH OF TRAVEL:
DISTANCE ALLOWED: 100' max.
PROVIDED DISTANCE: 57'

EGRESS DOORS: (32" min. each req. exit, or one leaf of door pair)
REQUIRED EXITS: 2
PROVIDED EXITS: 2

EXIT SEPARATION:
OVERALL DIAGONAL: = 88'-9"
DISTANCE REQUIRED: ≥ 1/3 overall diagonal = 29'-4" min.
PROVIDED DISTANCE: 76'

TRAVEL DISTANCE TO EXIT ACCESS:
DISTANCE ALLOWED: 300' max.
PROVIDED DISTANCE: 95'

CORRIDOR WIDTH:
REQUIRED WIDTH: Occupant load < 50 = 36" min.
PROVIDED CORRIDOR: 48"

DEAD END CORRIDOR: (applies when MORE than ONE exit required)
DISTANCE ALLOWED: 50' max.
PROVIDED DISTANCE: N/A

PRICING ALTERNATE:

#1: PROVIDE PRICING ALTERNATE TO REPLACE VCT IN EXISTING TO REMAIN RESTROOMS WITH NEW VCT TO MATCH EXISTING SALES AREA FLOORING.

project team:

ARCHITECT:
LINES inc. | interiors + architecture
213 OVERLOOK CIR. SUITE B-1
BRENTWOOD, TN 37027
(615)891.3098

EMILY BANKS
EMILY@LINES615.COM

CONTRACTOR:
HARVEST CONSTRUCTION
630 SOUTHGATE AVE
NASHVILLE, TN 37203
615-416-5062
CONTACT: JENNIFER PICKETT
JPICKETT@HARVESTCONSTRUCTIONLLC.COM

BUILDING REP:
MGW MANAGEMENT, LLC
615-812-8600
CONTACT: MARK GAW
MWGAW@YAHOO.COM

CLIENT'S REP:
SILVERPOINTE PROPERTIES
CONTACT: BILL HENSON
BHENSON@SILVERPOINTE.COM

drawing index:

TRENT D. SULLIVAN REGISTERED ARCHITECT No. 102235 STATE OF TENNESSEE 4-27-21

DOCUMENTS

CONTRACT

APRIL 29TH, 2021

MS#2100

BILL HENSON

general notes

Contractor is responsible for the means and methods of construction, including scheduling, sequencing and coordination of trades. Contractor is responsible for scheduling and arranging for elevators, hoisting facilities, parking, and handling of materials.

Contractor shall become acquainted with all available information concerning the job site conditions, nature of the work, general local conditions, codes and ordinances, disposal, handling and storage of materials, availability of labor, as well as all other matters which may in any way affect the work or cost thereof. Failure to do so will not relieve the responsibility of properly estimating the difficulty or cost of successfully performing the work.

Contractor is responsible for compliance with codes, ordinances, and regulations applicable to the project location. Contractor shall obtain all necessary permits and approvals and shall maintain copies of these documents at the job site throughout the project. If Contractor at any time ascertains that any requirement of these documents are at variance with applicable laws, ordinances, regulations or building code requirements, he shall immediately notify Architect for clarification.

Contractor shall furnish, and pay for, all drawings necessary for use on the project by Contractor's employees and subcontractors.

Contractor is responsible for the verification of all field measurements, field construction installation criteria, coordination of all trades and owner supplied items. Contractor shall verify all dimensions and job conditions and shall report to Architect any discrepancies or omissions which would interfere with satisfactory completion of the work.

Contractor shall not scale drawings. If additional information is required to clarify these documents, the Contractor shall contact the Architect immediately.

Contractor shall provide all materials necessary to construct the total project, whether or not details are provided. If additional information is required, contact the Architect immediately. All work shall conform to the drawings and specifications as issued. Both the drawing set and the specifications contain information vital to the performance of the work and should never be considered separately; they are to be considered only as a single unit. If discrepancies appear in the Contract Documents, the Contractor shall notify the Architect before proceeding with the work. If a discrepancy occurs between drawings, specifications and consultant drawings, the Contractor shall provide the more restrictive condition, practice, or material.

delays | extensions

If required by the contract, the Contractor shall submit a project schedule to the Architect/Owner's Representative. Contractor shall be responsible for maintaining this schedule. Should delays occur, the Contractor shall immediately notify the Architect/Owner's Representative, in writing, to request any extension of time that the Contractor deems necessary. Architect/Owner's Representative shall approve/disapprove these requests based upon the merit of the request and the cause of the delay.

If granted, extensions of time shall be based upon the actual delay in the completion of work as determined by Architect/Owner's Representative. Claims for extensions of time shall be made in writing within five (5) calendar days after the occurrence of cause for delay or such claim shall be deemed invalid. Claims filed within said five (5) day period shall be accepted or rejected by Owner's Representative upon the terms herein.

changes in the scope of work

Architect and Owner's representative, without invalidating the agreement, may order changes by altering, adding to or deleting from the scope of work. Such changes shall be made only when issued in writing by the Architect and Owner's Representative.

When a Request For Proposal (R.F.P.) is issued, the Contractor shall submit a breakdown of costs to the Architect/Owner's Representative for approval, which shall show the following: 1) itemized cost of labor,
2) itemized cost of material, 3) direct itemized cost of transportation, 4) itemized schedule related to time extension | delay.

If the Request For Proposal is acceptable, the Architect and Owner's Representative then an Change Order in the amount stated by the R.F.P. should be issued. This work shall not be started or executed prior to sign off and release from Architect and Owner's Representative.

workmanship and materials

All workmanship shall be of good quality and in accordance with the best custom and practice currently prevailing in the trade.

Unless otherwise specified, all materials, supplies, parts, equipment and articles incorporated in the work shall be new, free from defects and imperfections and the best grade of the respective kind for the purpose specified.

When "approved equal", "equal to", or other qualifying terms are used, it shall be based upon the review and approval of Architect/Owner's Representative. With prior written approval, the Contractor may use materials and articles of quality and merit equal to those specified. Requests for substitutions shall be submitted to the architect/Owner's Representative and must be accompanied by all technical information and data relative to quality, performance, etc., to provide a proper comparison. If requested, Contractor shall submit samples of any proposed substitution. Any substitution used without approval shall be subject to rejection and replacement at Contractor's expense.

Contractor shall, at his expense, make any changes required in details, dimensions, arrangement, equipment or any other additions or alteration to the work resulting from any approved substitution. Such changes must be approved by Owner's Representative. The entire system to which the substitution applies and all work installed in connection therewith or related thereto must function as a unit as originally intended.

shop drawing| samples

The Contractor shall promptly submit four (4) copies of accurate shop drawings, submittals, or samples depicting details of the work, and the connections/coordination with the work of other trades. These drawings shall clearly indicate all elevations, sections, dimensions, methods of construction, types of finishes, dates of preliminary submittal, revisions, name and location of the work, and the Owner/Architect's name. Existing field conditions and dimensions, as they pertain to the work, shall be verified in the field prior to execution on submittal; Owner/Architect shall be notified of discrepancies with design intent.

ONLY AFTER contractor's review for completeness and compliance with the scope of work, the Contractor's shop drawing/submittal shall be reviewed by the Architect/Owner's Representative within five (5) working days for approval, or marked with comments for corrections.

Drawings and other data that are returned stamped and/or noted:
- "APPROVED", need not be resubmitted.
- "APPROVED AS NOTED", the Contractor may proceed with the work per added notations and corrections. Contractor shall, at his expense, issue copies of the noted and corrected drawings to others involved in the work.
- "RESUBMIT" or "REJECTED", submittal shall be revised as indicated and resubmitted. The resubmission shop drawing/submittal shall be reviewed by the Architect/Owner's Representative within five (5) days for approval, or marked with comments for correction.

This procedure shall be repeated until the drawings and data are approved by the Architect/Owner's Representative. No related work may proceed until the Contractor has received shop drawings approved by the Architect/Owner's Representative. Contractor shall also maintain one (1) set of approved shop drawings at the job site.

Architect/Owner's Representative's approval of such drawings shall not relieve the Contractor from responsibility for deviations from drawings and specifications, or for errors of any sort in shop drawings.

Contractor will furnish and submit color chips for color indications on all painted or textured surfaces, and samples of natural or stained wood finishes required. The work shall be done in accordance with approved samples.

No substitutions or changes will be allowed without the Architect/Owner's Representative's written approval.

All costs pertaining to the preparation and submittal of samples and shop drawings shall be the responsibility of the Contractor.

coordination of work

To execute the work so as to avoid conflicts between all parties, Contractor shall coordinate his work with all subcontractor's work, and the work of all various trades included. The Contractor shall coordinate lead time for materials and construction as required by project schedule. Any changes in the work resulting from failure to coordinate the work shall be the sole responsibility of the Contractor, including any loss of material, time, expense, or other damage. Products that need to be respecified as a result of the lack of coordination shall be done at an expense to the general contractor.

safety

Contractor shall exercise caution at all times for the protection of persons (including employees) and property. Observe the provisions of applicable laws, building and construction codes, and O.S.H.A. In no case shall the Owner and/or the Architect/Owner's Representative be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the work. Nor shall the Owner and/or Architect/Owner's Representative be responsible for the Contractor's failure to employ proper safety procedures.

base building coordination

All construction shall comply with base building tenant build-out specifications and details. Contractor is responsible to confirm and coordinate with the Building Representative the most current construction requirements.

Any discrepancies between Contract Documents and base building tenant standards shall be coordinated with Architect/Owner's Representative and Building Representative.

building maintenance | site requirements

Contractor shall maintain the site, interior and exterior, in a safe, clean, and orderly manner at all times. Contractor shall make provisions for disposal of all construction debris in a manner consistent with all building, local, state, and federal regulations. The site shall be kept clean of demolition debris, and new construction material shall be stored in an orderly manner.

The consumption of food and drink, or smoking shall not be permitted on the premises except in areas designated by the Building Representative.

Contractor shall maintain sanitary facilities on the site, and refrain from utilizing the existing facilities, unless otherwise specified.

Contractor shall protect all existing construction that is not scheduled for demolition. The Contractor is responsible for any damage to existing elements which occurs during the execution of the work. Contractor shall take whatever precautions are necessary to protect existing utility lines, ductwork, fixtures, etc. which remain as part of the final systems. Contractor shall clean, repair, relamp, etc. these items as required for proper function of the final systems.

Contractor shall maintain the building envelope in a watertight condition at all times.

Contractor shall protect all existing structures, utilities, signs and installation of any kind against damage or interruption of service. Contractor will notify the Building Representative of any impending interruption of service.

Contractor shall protect and preserve all materials, supplies and equipment, including property which may be owner-furnished, or owned, and all work previously installed.

Contractor is responsible for notifying the Architect/Owner's Representative of any damage done by others or of any existing damage found prior to startup of the work. All costs for repair or replacement of this damage are the responsibility of the Contractor.

If the building is occupied during construction, the Contractor shall be responsible for maintaining access to the building and parking at all times. At no time shall occupants in the building be disturbed by demolition or construction phases.

renovation notes

If fire rated building assemblies are damaged or modified during demolition or new construction, these assemblies shall be returned to their original rated condition. Contractor shall verify that existing walls indicated as fire-rated are constructed in accordance with local building code requirements. Upgrade existing construction to comply with codes if necessary.

New construction in the building corridor walls shall match existing for construction type and rating requirements. Upgrade existing construction to comply with codes if necessary.

If materials containing or suspected of containing asbestos or other hazardous materials are encountered during demolition or construction, contact owner's representative immediately.

If structural elements are encountered during demolition, work shall be terminated immediately and Architect/Owner's Representative shall be notified. Contractor shall be responsible for shoring, bracing, and stability of the work during demolition and new construction.

Contractor shall identify the location of all utilities related to this project prior to commencing work. If any unknown existing services are located notify Architect/Owner's Representative immediately. If any building services are to be disrupted for any reason, notice shall be given to the building management minimum of 48 hours prior to interruption of service.

Contractor shall remove all elements indicated to be demolished. Walls and ceilings indicated for demolition shall be removed completely, including electrical, communications, plumbing, mechanical and other components of construction. Terminate all services in a safe condition above line of ceiling or below line of floor. Remove all fixtures and related plumbing attachments in areas where demolition occurs. Cap and seal all drains which are not to be reused.

Contractor shall repair all walls disturbed by demolition or remodeling. Patching should not be visible and final finish should match existing adjacent wall surfaces. Extend finish to nearest transition point.

After demolition is complete, floor surfaces shall be leveled and filled as necessary to create a continuous and level floor surface properly prepared for the installation of scheduled floor finish materials as recommended by manufacturer. Fill abandoned floor penetrations with approved materials to maintain floor ratings and provide a smooth surface for new finishes.

Contractor shall clean, and touchup finish on existing doors to remain. Existing fixtures (lights, toilets, blinds, etc.) to remain shall be cleaned and repaired as necessary to be operational. Level of repair shall be determine in advance with Architect/Owner's Representative.

final clean up

Prior to final inspections and the Architect/Owner's Representative acceptance of the work, clean all areas of the project site within the area of work.

These clean up operations include but are not limited to:
- cleaning glass areas, interior and exterior
- cleaning exposed unpainted metals
- removing trash and debris from the site and providing legal disposal
- cleaning all exposed surfaces including lenses of all lighting fixtures
- removing construction dust, paint over spray, and hand prints
- cleaning all toilet partitions, fixtures and accessories
- removing all surplus materials, tools, and other unused materials
- vacuuming all carpeted floors
- cleaning and preparing resilient flooring per manufacturer's recommendations
- all cleaning operations shall be performed in strict accordance with the manufacturer's written recommendations using products approved by the manufacturer for the materials being cleaned.

final close out

When work is considered complete, the Contractor shall submit written certification that:

- work has been completed in compliance with the contract documents or describe in detail the work remaining and completion time frame.
- equipment and systems have been tested in the presence of the Architect/Owner's Representative and are operational.
- final cleanup has been performed
- required test reports have been submitted, (if applicable).
- all keys have been delivered to owner.
- all operating tools, replacement items, and "attic stock" materials specified have been delivered to owner, (if applicable).
- all required certificates and guarantees have been delivered to owner including, but not limited to signed-off permits, final inspections, and certificate of occupancy by local authorities having jurisdiction, evidence of payment, and release of liens and certificate of insurance for products and completed operations, (if applicable).

The Architect/Owner's Representative will review the work to verify the status of completion with reasonable promptness after receipt of such certification. If the work is considered incomplete or defective, the Contractor will be notified in writing listing the areas of concern. Contractor shall take immediate steps to remedy the stated deficiencies and send a second written certification that the work is complete. When the Architect/Owner's Representative finds that the work is acceptable with respect to the contract documents, he shall request the Contractor to make close-out submittals.

engineering coordination

Contractor shall coordinate with related vendors and subcontractors for the integration of security equipment - cameras, card readers, etc.; AV equipment - projection screens, projectors, control panels, etc. and any other specialty equipment indicated.

Contractor shall be responsible to have the automatic sprinkler system designed by a licensed sprinkler contractor in the state having jurisdiction, as required by codes. We have assumed fire protection subcontractor has field verified and walked the sit prior to bid. Shop drawings are to be submitted to the Architect/Owner's Representative for review and design coordination. In areas where a sprinkler system exists, the Contractor shall be responsible to verify the design and modify as necessary to accommodate the new design.

Provide all necessary plumbing connections to equipment and plumbing fixtures. Contractor to review and coordinate all service needs for equipment and furniture indicated.

Contractor shall coordinate electrical requirements for equipment specified at break and kitchen areas (including hot water heaters, garbage disposals, and kitchen appliances.) Outlet locations shall be coordinated with casework elevations and approved shop drawings.

furniture plan general notes

furniture plan is not for construction. plan reflects furniture layout and is for coordination purposes only. installation of furniture is designated by vendor's installation plans.

owner and/or contractor supplied equipment is shown for coordination only.

furniture systems power shown for coordination only. reference engineer drawings for actual locations of all power and communications.

systems furniture power where provided is installed by furniture vendor. contractor is responsible for connection of power whips to building power.

all cabling and termination of cables in systems furniture is not provided by furniture vendor.

furniture vendor is responsible for removing from the job site all trash and packaging materials that relate to furniture product.

power/data & core drill coordination

contractor to connect vender provided electrical whip to shell building at designated locations. furniture vender shall install whip and all electrical devices within the furniture system.

cabling contractor to install all cable from shell building to furniture system and within the panels to the termination point, including the receptacle.

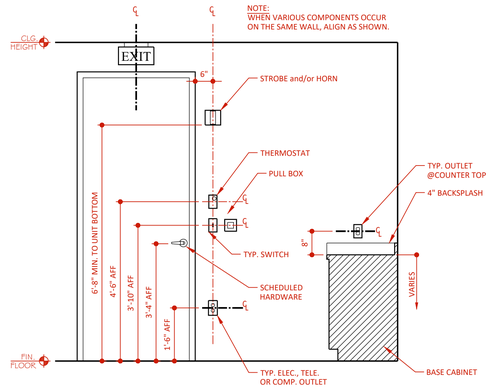
locations of core drills are show for coordination with furniture. contractor to verify locations related to any shell building restraints or conflicts, including but not limited to the following: structural systems - post tensioned cables, beams, etc., mpe system located below slab - piping, ductwork, cabling, electrical.

if discrepancies or conflicts are discovered with the core drill locations, the contractor shall notify the furniture vender immediately for clarification and resolution.

the assumptions used in locating core drills are as follows: four workstations per one electrical power feed, eight workstations per one cable feed, core drill/floor device facepiate does not exceed 8" in diameter, minimum distance between core drills is 24".

core drill coordination - submit cut-sheet of each type of floor box to be installed in space. include dimensions of faceplate and floor penetration and locations of each type of box. designate power vs. data selections.

general conditions 1

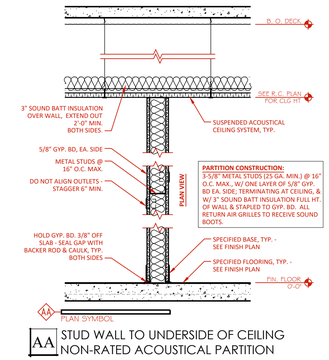


NOTE:
COORDINATE DIMENSIONS SHOWN WITH TYPICAL BUILDING STANDARD.

typical mounting heights & configurations 2

- VERIFY WITH BUILDING REPRESENTATIVE FOR POSSIBLE "BUILDING STANDARD" WALL TO MULLION CONNECTION DETAIL. BUILDING STANDARD WILL TAKE PRECEDENCE OVER NOTES AND/OR DETAILS IN THIS CONTRACT SET.

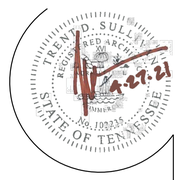
partition at existing window 3



AA STUD WALL TO UNDERSIDE OF CEILING NON-RATED ACOUSTICAL PARTITION

typical interior wall sections 4
no scale

LINES
interiors + architecture



CONTRACT DOCUMENTS

BILL HENSON
206 Gothic Court,
Suite 301 Franklin, TN

general information

G0.0

April 27th, 2021
MS4-2100

miscellaneous metals

QUALITY ASSURANCE: Check actual locations of walls & other construction to which metal fabrications must fit by accurate field measurements before fabrication.

SUBMITTALS: Submit shop drawings & details related to the design.

MISCELLANEOUS STEEL SHAPES: ASTM A 36. For metal fabrications exposed to view in the completed Work, provide materials selected for their surface flatness, smoothness, & freedom from surface blemishes. Do not use materials with exposed pitting, seam marks, roller marks, rolled trade names, or roughness.

WELDING ELECTRODES: Electrodes having low hydrogen covering shall be purchased in hermetically sealed containers.

GROUT: Non-shrink, metallic grout: Factory-packaged, ferrous-aggregate grout comply with ASTM C1107, specifically recommended by manufacturer for heavy-duty loading applications. Non-shrink, nonmetallic grout: Factory-packaged, non-staining, non-corrosive, non-gaseous grout complying with ASTM C1107. Provide grout specifically recommended by manufacturer for interior & exterior application.

FABRICATION: Form metal fabrications from materials of size, thickness, & shapes indicated but not less than that needed to comply with performance requirements indicated. Use type of materials indicated or specified for various components of each metal fabrication. Form exposed work true to line & level with accurate angles an surfaces & straight sharp edge. Ease exposed edges to a radius of approximately 1/32", unless otherwise indicated. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work. Remove sharp or rough areas on exposed traffic surfaces. Weld corners & seams continuously. At exposed connections, finish exposed welds & surfaces smooth & blended so that no roughness shows after finishing. Form exposed connections with hairline joints, flush & smooth, using concealed fasteners wherever possible. Use exposed fasteners of type indicated or, if not indicated, Phillips flathead (countersunk) screws or bolts. Locate joints where least conspicuous. Provide for anchorage of type indicated; coordinate with supporting structure. Fabricate & space anchoring devices to secure metal fabrications rigidly in place & to support indicated loads. Cut, reinforce, drill, & tap metal fabrications as indicated to receive finish hardware, screws, & similar items.

MISCELLANEOUS FRAMING & SUPPORTS: Provide steel framing & supports for applications indicated that are not a part of structural steel framework as required to complete the Work. Fabricate units to sizes, shapes, & profiles indicated & required to receive other adjacent construction retained by framing & supports. Fabricate from structural steel shapes, plates, & steel bars of welded construction using mitered joints for field connection. Cut, drill, & tap units to receive hardware, hangers, & similar items.

MISCELLANEOUS STEEL TRIM: Unless otherwise indicated, fabricate units from structural steel shapes, plates, & bars of profiles shown with continuously welded joints, & smooth exposed edges. Miter corners & use concealed field splices wherever possible. Provide cutouts, fittings, & anchorage as required to coordinate assembly & installation with other work.

SHOP COAT: Prepare un-coated ferrous metal surfaces to comply with minimum requirements indicated below for SSPC surface preparation specifications & environmental exposure conditions of installed metal fabrications: Apply shop primer to un-coated surfaces of metal fabrications, except those with galvanized finishes or to be embedded in concrete, sprayed-on fireproofing, or masonry, unless otherwise indicated. Comply with requirements of SSPC-PA 1 "Paint Application Specification No. 1" for shop painting. Use only top quality, rust-inhibiting primer. Ensure that primer is compatible with finish, field paint. Before steel leaves shop, remove loose mill scale, rust & foreign matter, & apply one coat of rust-inhibiting paint. Do not paint surfaces at places to be welded.

INSTALLATION, GENERAL: Fastening to in-place construction: Provide anchorage devices & fasteners where necessary for securing miscellaneous metal fabrications to in-place construction. Include threaded fasteners for concrete & masonry inserts, toggle bolts, through-bolts, wood screws, & other connectors as necessitated. Set metal fabrication accurately in location, alignment, & elevation; with edges & surfaces level, plumb, true, & free of rack; & measured from established lines & levels.

general carpentry

QUALITY ASSURANCE: Lumber standards: Comply with PS 20 & with applicable rules of the respective agencies for species & products specified. Plywood product standards: Comply with PS 1 (ANSI A199.1) or, for products not manufactured under PS 1 provisions, with applicable APA Performance standard for type of panel indicated.

LUMBER: Dimensions: Conform to standards established by the American Lumber standards Committee. Moisture content: Unseasoned or 19% maximum at the time of permanent closing in of the structure. Surfacing: S4S. Light framing (less than 6" wide): "Stud" grade for stud framing or "standard" grade for other light framing, any species.

MISCELLANEOUS LUMBER: Provide wood for support or attachment of other work including, but not limited to, cant strips, bucks, nailers, plates, blocking, bracing, furring, grounds, stripping & similar members. Provide lumber of sizes indicated, worked into shapes shown. Shall be #2, GM, SYP, KDAT.

PLYWOOD - GENERAL REQUIREMENTS: Identify each panel with the appropriate grade APA trademark. Meet the requirements of the latest edition of U. S. Product standard PSI or one of APA's Performance standards. Panel thickness, grade, & Group or Identification Index shall be at least equal to that shown on the Drawings. Installation shall be in accordance with the APA recommendations. Plywood for mounting electrical or telephone equipment & as otherwise noted. 3/4", APA C-D Plugged INT with exterior glue fire-retardant treated.

COMBINED SUBFLOOR-UNDERLAYMENT (TIERED SEATING TREADS/FLOORING): APA rated Sturd-I-Floor EXP 1 or 2 fire-retardant treated.

WOOD TREATMENT - FIRE-RETARDANT: Where lumber or plywood is specified or otherwise indicated to be fire-retardant, provide materials which comply with AWPA standards for pressure impregnation with fire-retardant chemicals, & which have a flame spread rating of not more than 25 when tested in accordance with UL Test 723 or ASTM E84, & shall show no increase in flame spread & significant progressive combustion upon continuation of test for additional 20 minutes. Where treated items are exposed to exterior or to high humidity or are to have a transparent finish in form of stain or sealer, provide materials which show no change in fire-hazard classification when subjected to standard rain test (UL 790 or ASTM B2898). Use fire-retardant treatment which will not bleed through or adversely affect type of finish indicated & which does not require brush treatment of field-made end cuts to maintain fire-hazard classification. Where transparent finish is indicated, use type of treatment & species which permits milling of lumber after treatment without altering indicated fire hazard classification, as determined by fire testing. Kiln-dry treated items to maximum moisture content of 19%. Provide UL label on each piece of fire-retardant lumber or plywood. Inspect each piece of treated lumber or plywood after drying & discard damaged or defective pieces.

FASTENERS & ANCHORAGE: Provide size, type, material & finish as indicated & as recommended by applicable standards, complying with Federal Specifications for nails, staples, screws, bolts, nuts, washers & anchoring devices. Provide metal hangers & framing anchors of the size & type recommended by the manufacturer for each use including recommending nails. Where rough carpentry work is exposed to weather, in ground contact, or in area of high humidity, provide fasteners & anchorage with a hot-dip zinc coating (ASTM A 153).

WOOD GROUNDS, NAILERS, BLOCKING & SLEEPERS: Provide for screeding or attachment of other work. Form to shapes as shown & cut as required for true line & level of work to be attached. Coordinate location with other work involved. Attach to wall framing to support applied loading. In stud walls, provide blocking for support of h&rails, wall cabinets, toilet vanities, etc.

COMBINED SUBFLOOR-UNDERLAYMENT (UNDER RESILIENT FLOOR OR CARPETING): Apply construction adhesive meeting APA Specification AFG-01 in accordance with the manufacturer's recommendations. Apply continuous line of glue on structural support, & continuous or spaced line of glue in groove of tongue-&-groove panels. Install underlayment with long dimension of the panel across supports & with panel continuous over two or more spans. Protect against damage until finish floor is installed. Stagger panel end joints. Panel end joints shall occur over framing. Allow 1/8" spacing at panel ends & edges, unless otherwise recommended by the panel manufacturer. Screw panels in place at 6" o.c. at panel edges & 10" o.c. at intermediate supports, except that when supports are spaced 48" o.c., space nails 6" o.c. at all supports. Use 6d deformed-shank nails for panels 3/4" thick or less, & 8d for thicker panels. With 1-1/8" panels, 10d common nails may be used if supports are well seasoned. Lightly s& any surface roughness, particularly at joints & around screws.

millwork

QUALITY ASSURANCE: Comply with pertinent codes regulations, & the "Quality standards" of the Architectural Woodwork Institute. Any reference to "premium", "custom", or "economy" shall be defined in the latest edition of AWI "Quality standards".

SUBMITTALS: Provide drawings & details of millwork construction & attachments. Provide material sample showing all finishes & colors. Provide cut-sheets for hardware.

Field measurements: Check actual locations of walls & other construction to which millwork fabrications must fit by accurate field measurements before fabrication. Show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

CASEWORK - PLASTIC LAMINATE FINISH: AWI quality grade (Section 400): Premium. Exposed surfaces - plastic laminate: 1/16" high pressure plastic laminate as required by AWI quality grade & conforming to NEMA Publication No. LDl-1964, Part 3 - Abrasion Class I.

COUNTERTOPS - PLASTIC LAMINATE: 1 /16" high pressure plastic laminate as required by AWI quality grade & conforming to NEMA Publication No. LDI-1964, Part 3 - Abrasion Class I. All tops in which sinks occur shall have a core of exterior grade hardwood faced plywood or phenolic resin particleboard.

CABINET HARDWARE Casework manufacturer shall furnish & install the following:

Drawer slides: Knape & Vogt No. 1300.
Shelf standards & brackets: Knape & Vogt No. 255/256.
Shelf standards & support clips: Knape & Vogt No. 233/256.
Hinges: Concealed casework hinge with self-closing feature.
Pulls: 4" brushed aluminum wire pull unless noted otherwise.
Locks: Corbin Cabinet Locks No. C2L cam lock.

CLOSET & STORAGE SHELVING - PAINT FINISH: AWI quality grade (Section 600): Custom.
Provide hardwood edge strips. Undershelf hanger rod: 1" diameter, polished chrome.

PREPARATION FOR INSTALLATION: Condition millwork to average prevailing humidity conditions in installation areas prior to installing. Back prime all surfaces that shall be concealed after installation.

INSTALLATION: Install the work plumb, level, true & straight with no distortions. Shim as required using concealed shims. Install to a tolerance of 1/8" in 8'-0" for plumb & level; & with 1/16" maximum offset in flush adjoining surfaces, 1/8" maximum offsets in revealed adjoining surfaces. Scribe & cut work to fit adjoining work. Refinish cut surfaces or repair damaged finish at cuts. Leave gaps of 1/32" maximum. Seal gaps with sealant tinted to match adjacent surfaces. Do not use additional overlay trim for this purpose. Anchor millwork to anchors or built-in blocking. Secure to grounds, stripping & blocking with countersunk, concealed fasteners & blind nailing as required for a complete installation. Except where prefinished matching fastener heads are required, use fine finishing nails for exposed nailing, countersunk & filled flush with millwork, & matching final finish where transparent finish is indicated.

CASEWORK: Use purpose designed fixture attachments for wall mounted components. Attach wall mounted cabinets to withwithstand all superimposed loading. Use thread steel concealed joint fasteners to align & secure adjoining cabinet units & counter tops. Permanently fix cabinet & counter bases to floor using appropriate angles & anchorages. Counter-sink semi-concealed anchorage devices used to wall mount components, & conceal with solid plugs of species to match surrounding wood. Place flush with surrounding surfaces. Install & adjust cabinet hardware to ensure smooth & correct operation. Clean hardware, lubricate & make final adjustments for proper operation.

penetration seals

SUBMITTALS: Submit product literature applications.

PRODUCTS: Provide materials classified by UL to provide fire stopping equal to time rating of construction being penetrated. Materials shall have been tested to provide fire rating equal to that of the construction. Provide asbestos free materials that comply with applicable codes & have been tested under positive pressure in accordance with UL 1479 or ASTM E814.

PREPARATION: Clean surfaces to be in contact with penetration seal materials, of dirt, grease, oil, loose materials, rust, or other substances that may affect proper fitting, adhesion, or the required fire resistance.

INSTALLATION: Examine penetration sealed areas to ensure proper installation before concealing or enclosing areas. Install penetration seal materials in accordance with printed instructions of the UL Fire Resistance Directory in accordance with manufacturer's instruction. Seal holes or voids made by penetrations to ensure an effective smoke barrier. Where floor openings without penetrating items are more than 4" in width & subject to traffic or loading, install fire stopping materials capable of supporting same loading as floor. Protect materials from damage on surfaces subject to traffic.

SYSTEMS & APPLICATION SCHEDULE INCLUDES, BUT IS NOT LIMITED TO: Metal pipe or conduit through round opening, insulated metal pipe through round opening, metal pipes or conduits through large opening, busway through rectangular opening, cables through opening, cable tray, blank opening, non-metallic (plastic) pipe or conduit through opening, metal pipe or conduit through gypsum board wall, non-metallic (plastic) pipe or conduit through gypsum board wall, cables through gypsum board wall, insulated metal pipe through gypsum board wall.

sealants

SUBMITTAL - Submit product literature & color samples for selection.

SEALANT - PERIMETER OF DOOR & WINDOW FRAMES: Product/manufacturer: Dynatrol II as manufactured by Pecora Corp. or an approved equal. Joint Backing: Closed-cell polyethylene. Where joint depth does not permit use of joint backing, a release paper or bond breaker shall be used. On horizontal joints, surface must be cleaned & primed using primer as recommended by the sealant manufacturer.

SEALANT - GENERAL PERIMETER SEALING AT TOILET FIXTURES, DOOR FRAMES, VANITIES, ETC. IN WET AREAS: Product/manufacturer: 898 Sanitary Silicone Sealant as manufactured by Pecora Corp. or an approved equal. Install after completion of all painting.

SETTING THRESHOLDS & GENERAL SEALING NOT OTHERWISE DELEGATED: Product/manufacturer: AC-20 + Silicone as manufactured by Pecora Corp. or an approved equal. Joint Backing: Round closed-cell polyethylene.

PRIMERS: As recommended by the sealant manufacturer for use in conjunction with the sealant for application onto the various types of materials to which the sealant applied, & complying with the requirements above. When the manufacturer's instructions make reference to use of primers &/or the construction condition requires special surface preparation, these instructions shall be complied with. Where required by manufacturer's instructions in lieu of primers, shall be of the type & kind recommended by the sealant manufacturer.

gypsum wall board

QUALITY ASSURANCE: United States Gypsum Company Gypsum Construction handbook & Gypsum Association (GA) Publications. Provide fire-rated assemblies materials & construction identical to those of assemblies tested for fire resistance per ASTM E119 by an independent testing & inspecting agency acceptable to authorities having jurisdiction.

SUBMITTALS: Submit product literature of all assemblies & applications.

GYPSUM WALLBOARD: Fire rated: 5/8", USG "X" board. Conform to "Specification for Gypsum Drywall", ASTM C36 for type "X" gypsum board. Tile backer board: 1/2", USG Durock.

SOUND BLANKETS: USG Sound Attenuation Blankets. Perimeter caulking: USG Acoustical Sealant.

METAL STUDS: Non-load bearing, screw-type, channel studs, roll-formed with 25 gauge electro-galvanized steel in sizes as indicated on the Drawings. Flanges shall be at least 1-1/4" wide. Webs shall be punched to receive bridging, conduit, piping, etc. Meet or exceed ASTM C645, "Light-Gauge Studs, Runners, & Rigid Furring Channels". Unless otherwise directed, install on 16" centers.

METAL TRIM: Trim: USG #200 series. All metal that shall be concealed when wall is finished out & size to accommodate drywall thickness. Corner bead: "Dura-A-Bead" all metal heavy gauge hot-dipped galvanized steel reinforcement for protecting external corners.

JOINT TREATMENT: Products to comply with ASTM C-475, "Joint Treatment Materials for Gypsum Wallboard Construction". Joint reinforcing tape: Perf-A-Tape Reinforcing Tape. Joint compounds: Durabond Joint Compound-Taping & USG Crater, Free Ready-to-Use Joint Compound Topping.

ENVIRONMENTAL CONDITIONS: During & after application of these materials, temperatures within the building shall be maintained within the range of 55 degrees F to 70 degrees F. Adequate ventilation shall be provided to carry off excess moisture.

METAL STUD ERECTION: Install metal studs & accessory items in strict accordance with the approved submittal of manufacturer's recommendations, anchoring all members in position for long life under hard use. Align all partition & wall assemblies to a tolerance of one in 200 horizontally & one in 500 vertically. Attach steel runners at floor & ceiling to structural elements with suitable fasteners located 2" from each end & spaced 24" o.c. To suspended ceilings, use toggle bolts or hollow wall anchors spaced 16" o.c. Place studs in direct contact with all door frame jambs, abutting partitions, partition corners & existing construction elements. Where studs are installed directly against exterior walls & a possibility of water penetration through walls exists, install asphalt felt strips between studs & wall surfaces. Anchor all studs for shelf-walls & those adjacent to door & window frames, partition intersections, corners & freestanding furring, to ceiling & floor runner flanges with metal lock fastener tool or screws.

CEILING INSTALLATION: Grillage erection: Space hanger wires 48" o.c. along carrying channels & within 6" of ends of carrying channel run. Install 1-1/2" carrying channels 48" o.c. & within 6" of walls. Position channels for proper ceiling height, level & secure with hanger wire saddle-ties along channel. Provide 1" clearance between runners & abutting walls & partitions. At channel splices, interlock flanges, overlap ends 12" & secure each end with double-str& 18 ga. tie wire. Erect metal furring channels at right angles to 1-1/2" carrying channels or main supports. Space furring channels 16" o.c. & within 6" of walls. Provide 1" clearance between furring ends & abutting walls & partitions. Secure furring to carrying channels with clips or wire-tie to supports with double-str& 18 ga. wire. At splices, nest furring channels at least 8" & securely wire-tie each end with double-str& 18 ga. wire. At light troffers or any openings that interrupt the carrying or furring channels, install additional cross reinforcing to restore lateral stability of grillage.

Steel stud framing: Attach runners at ceiling height, through gypsum panels, to each partition stud with two screws. Insert steel studs in runners & attach each end with one pan head framing screw. Install 1-5/8" stud cross-bracing over stud framing, space 48" o.c. & attach to each framing stud with two pan head framing screws. At hangers, install 12" long stud section for box reinforcing or lap studs 12" & secure each end with two pan head forming screws. At light troffers or any openings that interrupt the ceiling, install additional cross reinforcing to maintain structural integrity of framing.

GYPSUM PANEL INSTALLATION - GENERAL: Install & finish in accordance with ASTM C840. Install sound attenuation blankets where indicated prior to installing gypsum panels. Install ceiling board panels across framing to minimize the number of abutting end joints & avoid abutting end joints in the central area of each ceiling. Stagger abutting end joints of adjacent panels not less than one framing member. Install wall/partition board panels to minimize the number of abutting end joints or avoid them entirely. Stagger abutting end joints not less than one framing member in alternate courses of board. At high walls, install panels horizontally with end abutting joints over studs & staggered. Install gypsum panels with face side out. Butt panels together for a light contact at edges & ends with not more than 1/16" of open space between panels. Locate both edge & end joints over supports, except in ceiling applications where intermediate supports or gypsum board back-blocking is provided behind end joints. Position adjoining panels so that tapered edges abut tapered edges, & field-cut edges abut field-cut edges & ends. Do not place tapered edges against cut edges or ends. Stagger vertical joints over different studs on opposite sides of partitions. Avoid joints at corners of framed openings where possible. Attach gypsum panels to steel studs so that the leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first. Attach gypsum panels to framing provided at openings & cutouts.

Spot grout hollow metal door frames for solid core wood doors, hollow metal doors, & doors over 32" wide. Apply spot grout at each jamb anchor clip & immediately insert gypsum panels into frames.

Form control joints & expansion joints with space between edges of adjoining gypsum panels, as well as supporting framing behind gypsum panels. Cover both faces of stud partition framing with gypsum panels in concealed spaces (above ceilings, etc.) except in chase walls that are braced internally. Except where concealed application is indicated or required for sound, fire, air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 sq. ft. in area. Fit gypsum panels around ducts, pipes, & conduits. Where partitions intersect open underside of floor/roof slabs & decks, cut gypsum panels to fit profile formed by coffers, joists, & other structural members; allow 1/4" to 2" wide joints to install sealant. Isolate perimeter of non-load-bearing gypsum board partitions at structural abutments, except floors. Provide 1/4" to 2" wide spaces at these locations & trim edges with edge trim where edges of gypsum panels are exposed. Seal joints between edges & abutting structural surfaces with acoustical sealant. Space fasteners in gypsum panels according to referenced gypsum board application & finishing standard & manufacturers recommendations. Coordinate work with that of other Trades. Provide suitable back-up anchorage as required for the attachment of shelves & cabinets. Screw heads shall provide a slight depression below the surface of the board. Do not install screw closer than 3/8" from edges & ends of the board. Treat joints, screw head depressions, or defects incurred during the installation of the gypsum board in prescribed manner with joint treatment. Properly space all fasteners in careful accordance with the manufacturer's recommendations & code requirements with heads driven slightly below the surface for proper cementing but without breaking the paper cover. Loosely butt all joints to be taped; firmly butt all joints to be left untreated. Stagger all end joints & the joints between panels to achieve a maximum of bridging & a minimum of continued joints.

INSTALLING TRIM & ACCESSORIES: Install trim in strict accordance with the manufacturer's recommendations. Trim installation shall be plumb, level, & true to line, with firm attachment to supporting members. Install trim at ceiling angles & around cut-ins & openings. Reinforce all vertical & horizontal exterior corners with corner bead fastened with 9/16" rosin-coated staples 9" o.c. on both flanges along entire length of bead. Where assembly terminates against masonry or other dissimilar material, apply metal trim over panel edge & fasten with screws or 9/16" rosin-coated staples 12" o.c. Install edge trim where edge of gypsum panels would otherwise be exposed or semi-exposed. Provide edge trim type with face flange formed to joint compound.

FINISHING GYPSUM BOARD ASSEMBLIES: General: Apply joint treatment at gypsum board joints (both directions); flanges of corner bead, edge trim, & control joints; penetrations; fastener heads, surface defects, & elsewhere as required to prepare gypsum board surfaces for decoration & levels of gypsum board finish indicated. Pre-fill open joints, rounded or beveled edges, & damaged areas using setting-type joint compound. Apply joint tape over gypsum board joints & to rim accessories with concealed face flanges as recommended by trim accessory manufacturer & as required to prevent cracks from developing in joint compound at flange edges.

BACK-UP MATERIALS: Verify the compatibility of filler material with caulking before installation. Use filler about 1/3 to wider than width of joint so sufficient pressure is exerted by filler to provide substantial resistance to displacement. All filler materials shall be non-oily, non-staining, back-up filler such as polyethylene foam rod, exp&ed polyurethane, neoprene or other filler completely compatible with the caulking material.

PREPARATION: Clean out joints immediately before installing joint sealants to comply with recommendations of joint sealant manufacturer. Prime joint substrates where indicated & also where recommended by joint sealant manufacturer. Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

APPLICATION OF CAULKING: Install caulking in strict accordance with the manufacturer's recommendations, taking care to produce beads of proper width & depth, to tool as recommended by the manufacturer, & to immediately remove all surplus caulking.

hollow metal

QUALITY ASSURANCE: Provide doors & frames with fire-resistant ratings indicated or required to comply with governing regulations.

SUBMITTAL: Submit schedule of hollow metal doors & frames indicating dimensions & details.

DOORS: Fabricate from roller-levelled prime quality cold-rolled steel sheets. 1-3/4" thick, of composite construction, & fabricated of two 18 ga. sheets. Interior of door shall be completely filled with rigid urethane core foamed in place & chemically bonded to all interior surfaces. Urethane shall be self-bonding, self-hardening, & self-extinguishing. Doors shall have flush seamless face sheets with mechanically locked vertical edges. Exposed hairline seam on lock & hinge rail edge shall be acceptable. Top & bottom of the doors shall be closed flush by16 ga. steel channels. Hinge reinforcements shall be 7 ga. steel, drilled & tapped by the manufacturer. Doors prepared for lights shall have the openings framed & securely attached. Glazing beads shall be screwless snap-in type. Doors shall be mortised for template hinges & prepared for locksets.

FRAMES: Fabricate welded unit frames from commercial quality 16 ga. cold-rolled steel. Head & jamb members shall be mitered, securely welded & ground smooth. Provide 5/8" high integral stops & 2" faces normally available from stock. Provide with appropriate jamb anchors & with floor anchors which are adjustable. Provide two rubber silencers for strike jambs & for heads of double swing doors. Minimum gauges for hardware reinforcements: (hinge reinforcements: 7 gauge, universal strike reinforcements: 12 gauge). Hinge jambs shall be mortised for template hinges. Lock jambs shall be mortised for ANSI A115.1 & .2 universal lock strike. Plaster guards shall be snap-in type. Hinge & strike reinforcements shall be drilled & tapped by the manufacturer.

LABELED DOORS & FRAMES: Provide labeled doors & frames for those openings requiring fire protection ratings. Such doors & frames shall be constructed as tested & approved by Underwriter's Laboratories. The physical label shall be affixed to all labeled units as evidence of compliance with the procedures of the labeling agency. All labeled door pairs shall have two (2) piece overlapping astragel. All labeled doors shall physically bear the U.L. label showing the rating required. Labels on the door & frame shall be the same & shall not indicate different testing agencies. For 1-1/2 hr. & 1 hr. doors used in stairway enclosures the average temperature developed on the unexposed side shall not exceed 450 deg F. at the end of 30 minutes of standard fire test exposure.

INSTALLATION: Install all hollow metal in strict accordance with pertinent codes & regulations, the approved submittals, the Contract Documents, & the manufacturer's current recommendations, anchoring all components firmly in position for long life under hard use. Prior to installation, all frames must be checked & corrected for rack, twist, & out-of-square. Erect frames plumb & true, firmly bracing in position until masonry work has reached full height of frames. Do not remove channel spreaders until frames are securely anchored in place. Leave all installed material clean, free of all foreign matter, or rust spots ready to receive finish painting. Install all finish hardware in strict accordance with the manufacturer's recommendations, eliminating all hinge-bound conditions & making all items smoothly operating & firmly anchored into position.

wood doors

SUBMITTAL: Submit schedule of wood doors indicating dimensions & details. Submit finishes & product literature.

QUALITY ASSURANCE: Comply with the applicable requirements of the following standards unless otherwise indicated: ANSI/NWMA I.S. 1-78, "Industry standard for Wood Flush Doors". AWI Quality standards - Section 1300 of the Architectural Woodwork Quality standards. Designations for grade & core construction under types of doors refer to this standard. Provide doors with fire-resistance ratings indicated or required to comply with governing regulations. All labeled doors shall be manufactured in accordance with the specifications procedures of the Underwriter's Laboratories. All labeled doors shall physically bear the U.L. label showing the rating required. Labels on the door & frame shall be the same & shall not indicate different testing agencies.

GUARANTEE: Submit written guarantee for use for the life of the installation, including repair &/or replacement, & refinishing of defective material in accordance with the standard door guarantee of the National Woodwork Manufacturer's Association.

FLUSH DOORS: AWI quality grade (Section 1300): Premium. Solid core construction: Non-rated: Particleboard PC-5. Rated: Mineral. FPC construction are not acceptable. Provide internal blocking for mounting of closures, etc.
FULL GLASS DOORS: AWI quality grade (Section 1400): Premium - solid wood. Glazing for full glass doors: 1/4" clear tempered, safety glass.

LIGHTS & LOUVERS: Provide openings with stops for lights & louvers. Provide the manufacturer's standard wood louvers.

PRE-FITTING & PRE-MACHINING: Prefit doors at the factory in accordance with tolerance requirements of the NWMA standards with allowances for undercuts (if any). Provide standard bevel or radius to edge of door as required for the installation. Machine doors at the factory for butts, locksets, concealed closers, concealed holders, concealed exit hardware & flush bolts. Machine in accordance with templates of approved hardware manufacturer.

INSTALLATION: Condition doors to average prevailing humidity in installation area prior to hanging. Prefit doors: Fit to frames & machine for hardware to whatever extent not previously worked at factory as required for proper fit & uniform clearance at each edge. Clearance: Non-rated doors: Provide clearances of 1/8" at jambs & heads; 1/8" at meeting stiles for pairs of doors; & 1/2" from bottom of door to top of finish floor material or covering. At thresholds, provide 1/4" clearance from bottom of door to top of threshold. Fire-rated doors: Provide clearances complying with NFPA.

ADJUST & CLEAN: Rehang or replace doors which do not swing or operate freely. Refinish or replace doors damaged during installation.

finish hardware

QUALITY ASSURANCE: Conform to the following: American National standards Institute (ANSI), American Society of Hardware Consultants (ASHC), Builders Hardware Manufacturers Association (BHMA), Federal Specifications (FS), & National Builders Hardware Association (NBHA).

Provide hardware for fire-rated openings in compliance with NFPA standard No. 80. Provide only hardware which has been tested & listed by UL for types & sizes of doors required & complies with requirements of door & door frame labels. Where emergency exit devices are required on fire-rated doors, provide UL label on exit devices indicating "Fire Exit Hardware". All hardware shall be provided in accordance with the requirements of the Americans with Disabilities Act (ADA) & the North Carolina H&icap Code.

SUBMITTALS: Submit hardware schedule indicating hardware set assemblies for each door & product cut-sheets.

JOB CONDITIONS: Coordinate hardware with other work. Templates: Furnish to any & all affected Trades all required templates, reinforcing units, & information as necessary to properly reinforce, drill & tap as required for proper attachment & anchorage, where necessary, physical templates shall be furnished.

FASTENERS: Furnish all finish hardware with all necessary screws, bolts, & other fasteners of suitable size & type to anchor the hardware in position for long life under hard use. Furnish fastenings where necessary with expansion shields, toggle bolts, sex bolts, & other anchors approved by the Architect, according to the materials to which the hardware is to be applied & the recommendations of the hardware manufacturer. All fastenings shall harmonize with the hardware as to material & finish.

FINISH: Refer to Hardware Schedule for hardware finishes selections. Door closers & brackets shall have commercial sprayed finish to match other hardware.

KEYING: All locks shall be Grand Master keyed, & Master keyed as directed by the Owner's Representative. All cylinders shall be of brass &/or bronze alloy metal. Only cylinders having six active pins & nickel silver keys will be acceptable. Furnish two change keys per cylinder six Master keys each set & six Grand Master keys.

INSTALLATION: Mount hardware units at heights indicated in "Recommended Locations for Builders Hardware for standard Steel Doors & Frames" by the Door & Hardware Institute, except as specifically indicated or required to comply with governing regulations, & except as may be otherwise directed by Architect. Install each hardware item in compliance with the manufacturer's instructions & recommendations. Wherever cutting & fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, coordinate removal, storage & reinstallation or application of surface protections with finishing work. Do not install surface-mounted items until finishes have been completed on the substrate. Set units level, plumb & true to line & location. Adjust & reinforce the attachment substrate as necessary for proper installation & operation. Drill & countersink units which are not factory-prepared for anchorage fasteners. Space fasteners & anchors in accordance with industry standards.

ADJUST & CLEAN: Adjust & clean each operating item of hardware & each door, to ensure proper operation or function of every unit. Replace units which cannot be adjusted to operate freely & smoothly as intended for the application made.

glazing

QUALITY ASSURANCE: Comply with pertinent recommendations contained in the "Manual of Glazing" of the Flat Glass Marketing Association (FGMA), Comply with requirements of the Safety standard for Architectural Glazing Materials (16 CFR 1201) as issued by the Consumer Product Safety Commission, & Safety glass: Products complying with ANSI Z97.1 & testing requirements of 16 CFR Part 1201 for category II materials.

SUBMITTALS: Submit drawings, details, & product literature for all glazing products.

TEMPERED GLASS: Glass so indicated & required by federal & local regulations & the authorities having jurisdiction shall be fully tempered conforming to ANSI standard Z97.1-1972 "Performance Specifications & Methods of Test for Safety Glazing Material Used in Buildings" & Fed. Spec. DD-G-1403. Provide in doors, sidelights & other designated locations.

FLOAT OR PLATE GLASS - CLEAR: 1/4" thick (unless noted otherwise). Shall meet or exceed Fed. Spec. DD-G-451c.ireme

WIRE GLASS: 1/4" polished wire, square pattern.

BUTT GLAZING: Thickness: 1/2". Glass shall be tempered glass with edges eased & polished. Tong marks shall not be allowed on vertical edges & shall not be readily visible on horizontal edges. Vertical joints where glass meets glass shall be filled with silicone sealant (clear). Head & sill glazing channel shall be Stylemark 110360. Coat surfaces for corrosion resistance.

carpeting

CARPET ADHESIVE: Waterproof cement of type recommended by the manufacturer of the carpet.

SUBMITTALS: Submit product literature & material samples of all selections. Submit seaming diagram.

INSTALLATION: Install all carpeting & carpet base in strict accordance with the manufacturer's recommended methods of installation. Cut evenly along walls & fit closely & evenly to & through thresholds where carpet joins together in doorways. All carpet shall be lined up so that all lines of carpet match as woven, width & length. Filler strips shall be not less than 9" in width & at least 36" in length. Do not install seams through a door at right angles to that door. Hold cross seaming to a minimum. The finished installation shall be free from tacks, scraps, carpet ripples, scallops & puckers. Cement carpet directly to prepared substrate. Seams shall be overlap cut & carefully glued. All seams & cross seams shall have seam adhesive applied to each side of seam prior to gluing down. The adhesive shall secure breath-to-breath & end-to-end.

CLEANING UP & PROTECTION: Remove all dirt, soil, & foreign substance from the exposed face; inspect all adjacent surfaces & remove all marks & stains caused by the carpet installation; remove all packaging materials, carpet scraps, & other debris from the carpet installation to the area of the job site set aside for its storage. At the time of acceptance, all carpeted areas shall be clean & vacuumed.

LEVELS OF GYPSUM BOARD FINISH: For quality assurance, refer to the latest version from Gypsum Association GA-214 of "Recommended Levels of Gypsum Board Finish". Level 1: Ceiling plenum areas, concealed areas, and where indicated, unless a higher level of finish is required for fire-resistive-rated assemblies and sound-rated assemblies. Level 2: Water-resistant gypsum or tile backer boards form substrates for tile, and where indicated. Level 3: Gypsum board surfaces indicated to receive medium or heavy-textured finishes before painting. Level 4: Gypsum board surfaces indicated to receive light-textured finishes, wallcoverings, and paint. Level 5: Gypsum board surfaces indicated to receive gloss, semi-gloss, enamel or non-textured flat paints, and is of highest degree of quality by providing a uniform surface. (Refer to the finish specifications in this set for finish locations with high gloss paint, dry erase paint, dry erase wallcovering, etc.)

APPLICATION OF PERIMETER CAULKING: Apply sound caulking where any wall is designated to receive sound blankets. Apply sealant around all cut-outs & all intersections with adjoining structures. Cut panels for loose fit around perimeter. Leave a groove no more than 1/8" wide. Apply a 1/4" minimum round bead of sealant each side of runners including those used at partition intersections with dissimilar wall construction. Immediately install panels, squeezing sealant into firm contact with adjacent surfaces. Fasten panels in normal manner over sealed joints. Seal partitions intersecting sound-isolating partitions that are extended to reduce sound flanking paths.

acoustic ceilings

QUALITY ASSURANCE: Coordinate layout & installation of acoustical ceiling units & suspension system components with other construction that penetrates ceilings or is supported by them, including, but not limited to, light fixtures, HVAC equipment, fire-suppression system components, & partition system.

SUBMITTALS: Submit product literature & material samples of all ceiling elements.

SUSPENSION SYSTEM: Suspension system shall conform to ASTM C635-78 & installation shall be in accordance with ASTM C636-76. The suspension system shall support the ceiling panels with a maximum deflection of 1/360 of span. The system shall include, double web main tees & cross tees & wall molding of a channel or angle shape with an exposed face. Materials: Components shall be formed from commercial quality cold-rolled steel hot-dipped galvanized. Exposed finish shall match the color of the ceiling system.

SUSPENDED CEILING INSTALLATION: Comply with ASTM C 636 as applicable to acoustical panel ceiling systems, except to extent more stringent requirements indicated or required for compliance with governing regulations or fire resistance ratings. Suspend ceiling hangers from building structural members only. Provide hanger not more than 6" from ends of each member. Space hangers not more than 4'-0" o.c. along each member supported directly from hangers. All hanger wires shall be installed straight & true. For the support of light fixtures, the fixture load shall be supported by supplemental hangers within 6" of each corner, or the fixture shall be supported separately. Install edge moldings at edges of each acoustical panel ceiling area, & where edge of panel would otherwise be exposed after completion of work.

ACOUSTICAL PANEL INSTALLATION: Plan each layout to balance border widths at opposite edges of each ceiling area. Avoid use of less-than-half width units wherever possible. Scribe & cut panels for accurate fit at borders & at interruptions & penetrations by other work through ceilings. Comply with Reflected Ceiling Plans to greatest extent possible.

resilient tile floor and base

SURFACE CONDITIONS: Subfloors &/or underlayment shall be free of surface irregularities & foreign deposits that can interfere with adhesive bond, show through surface, or stain tile.

SUBMITTALS: Submit product literature & material samples of all selections.

PREPARATION: Comply with manufacturer's installation specifications to prepare substrates indicated to receive tile. Use trowelable leveling & patching compounds per tile manufacturer's directions to fill cracks, holes, & depressions in substrate.

FLOORING INSTALLATION: Install all products in strict accordance with the design & the manufacturer's recommendations. Lay out tiles from center marks established with primary walls so tiles at opposite edges of room are of equal width. Install tiles square with room axis, unless otherwise directed. Match tiles for color & pattern by selecting tiles from cartons in same sequence as manufactured & packaged. Discard damaged tiles. Lay tiles with grain running in one direction, unless noted otherwise. Scribe, cut, & fit tiles to butt tightly to vertical surfaces, permanent fixtures, built-in furniture including cabinets, pipes, outlets, edgings, thresholds & nosings. Extend tiles into toe spaces, door reveals, closets, & similar openings.

VINYL TRANSITION TRIM: Install vinyl transition trim as necessary to transition between resilient flooring & carpet. Submit trim profiles to architect for selection.

RESILIENT BASE INSTALLATION: Apply base to walls, columns, pilasters, casework, & other permanent fixtures in rooms. Install wall base in lengths as long a practicable. Tightly adhere wall base to substrate throughout length of each piece. On irregular substrates, fill voids along top edge of resilient wall base with manufacturer's recommended adhesive filler material. Install inside & exterior corners before installing straight pieces. Form inside corners on job from straight pieces of maximum lengths possible by cutting an inverted V-shaped notch in toe of wall base at the point where corner is formed. Form outside corners on job from straight pieces of maximum lengths possible by shaving back of base at point where bending will occur.

CLEANING & PROTECTION: Upon completion of the installation, immediately remove all surplus adhesive from adjacent surfaces. Clean, seal, & prepare all product surfaces using the materials recommended for that purpose by the manufacturers of the materials being cleaned.

paint

MANUFACTURERS: Benjamin Moore or Sherwin Williams.

SUBMITTALS: Submit product literature & color/finish samples of all selections.

PREPARATION OF SURFACES: Examine surfaces to be painted prior to commencement of work. Remove loose dirt & foreign matter then prime to show defects. Paint after defects have been remedied. Commencement of work shall be construed as acceptance of the surfaces &, therefore, the Contractor shall be fully responsible for satisfactory work as required herein. Apply masonry filler to concrete block as required to provide even, consistent surface. Prime, stain, or seal wood required to be job painted immediately upon delivery to job. Fill nail holes & cracks after primer has dried & sand between coats. Clean unprimed steel surfaces by washing with solvent. Apply treatment of phosphoric acid solution, ensuring weld joints, bolts & nuts are similarly cleaned.

Completely mask, remove, & protect all hardware, accessories, lighting fixtures, & similar items in contact with painted surfaces. Spot prime all exposed nails & other metals that are to be painted with emulsion paints, using a primer recommended by the manufacturer of the coating system.

APPLICATION: Paint exposed surfaces whether designated in any "schedule", unless surface is noted to be natural finish. All materials shall be applied under adequate illumination, evenly spread, & smoothly flowed on with the proper type & size of brushes, roller covers, bucket grids, & spray equipment to avoid run, sags, holidays, brush marks, air bubbles, & excessive roller stipple. Coverage & hide shall be complete.

When color, stain, mark of any kind, dirt or undercoats show through the final schedule coat of paint to the surface, it shall be covered by additional coats until the paint film is of uniform finish, color, appearance & coverage at no additional cost.

Finished areas shall be free from sags, runs, crawls, brush marks, & other defects. Touch-up painting as required to provide smooth, even finish prior to final acceptance of work & remove paint where spilled, splashed or spattered.

STENCILING RATED WALLS: Both Sides of corridor partitions, smokestop partitions, horizontal exit partitions, exit enclosures, & fire walls shall be effectively & permanently identified with stenciling in a manner acceptable to the authority having jurisdiction & the Architect. Such identification shall be above the ceiling & in concealed spaces. Verify acceptable wording with Building Owner.

EXPOSED TO VIEW MECHANICAL & ELECTRICAL EQUIPMENT: Prime & paint insulated & bare pipes, conduits, boxes, insulated & bar ducts, hangers, brackets, collars & supports, except where items are plated or covered with a pre-finished coating. Paint exposed piping, conduit, electrical equipment occurring in finished areas - color & texture to match adjacent surfaces. Paint both sides & edges of plywood backboards for electrical equipment before installing backboards & mounting equipment on them.

PAINT SCHEDULE - INTERIOR:
Metal Surfaces - Enamel (Semi-Gloss): 1st Coat - PPG 6-212 Series Speedhide Int/Ext Alkyd Steel Primer - 1.5 to 2.0 mils DFT. 2nd and 3rd Coats - PPG Porter Paint PP439 Series Glyptex Ename l- 1.7 mils DFT per coat.

Concrete block - Enamel (Semi-Gloss): 1st Coat - PPG 16-90 Pitt Glaze Acrylic Block Filler- applied at a rate to uniformly fill block. 2nd and 3rd Coats - PPG Porter Paint PP439 Series Glyptex Enamel - 1.7 mils DFT per coat.

Gypsum wallboard ceilings - Latex (Flat): 1st Coat - PPG 6-2 Speedhide Interior Latex Primer Sealer - 1.0 mils DFT. 2nd and 3rd Coats - PPG Porter Paints PP977 Silken Touch Flat Ceiling Paint - 1.0 mils DFT per coat.

Gypsum wallboard - Latex (Eggshell): 1st Coat - PPG 6-2 Speedhide Interior Latex Primer Sealer - 1.0 mils DFT. 2nd and 3rd Coats - PPG Porter Paints PP999 Series Silken Touch Interior Eggshell- 1.5 mils DFT per coat.

Wood - Enamel (Semi-Gloss): 1st Coat - PPG 17-941NF Seal Grip Int/Ext Universal Alkyd Primer- 2.2 mils DFT. 2nd and 3rd Coats - PPG Porter Paint PP439 Series Glyptex Enamel- 1.7 mils DFT per coat.

Wood - Stain (Low sheen): 1st Coat - PPG Olympic 44500 Series Premium Wood Stain - (degree of color as selected by the Architect.) 2nd and 3rd Coats - PPG Olympic 44887 Premium Fast Dry Satin Varnish - thin 2nd coat 10-15% with thinner before applying. Apply 3rd coat full bodied.

window blinds

SUBMITTALS: Submit product literature & material samples of all selections.

BLINDS: Product/manufacturer: Mark I DustGuard 1" Blind as manufactured by Levolor or an approved equal.

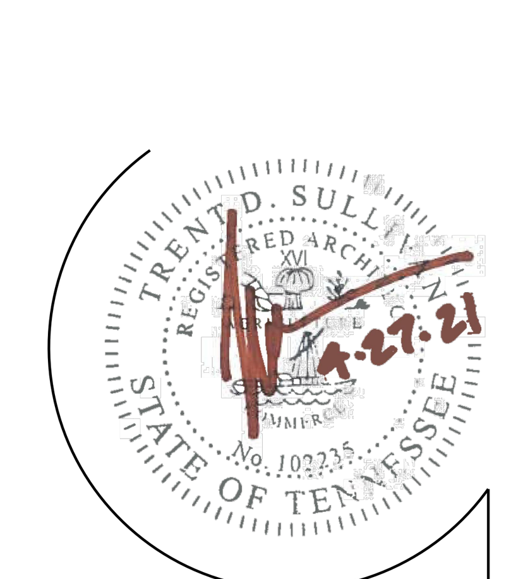
INSTALLATION: Installation shall be in accordance with the Contract Documents, the approved submittals, & the manufacturer's instructions.

material specifications

X

LINES
interiors + architecture

CONTRACT DOCUMENTS



BILL HENSON
206 Gothic Court,
Suite 301 Franklin, TN

general information

G0.1
April 27th, 2021
MS4-2100

demolition plan keynotes

CONTRACTOR SHALL PERFORM THE WORK INDICATED BY THESE NOTES IN AREAS DESIGNATED ON THE PLAN SPECIFIC KEYNOTE NUMBER.

1. DEMOLISH EXISTING GLASS LITE AND FRAME TO BE INFILLED WITH DRYWALL.
2. DEMOLISH EXISTING GLASS LITE. EXISTING FRAMED OPENING TO REMAIN.
3. REMOVE DOOR AND DOOR FRAME. OPENING TO BE INFILLED WITH TYPE "AA" WALL.
4. DEMOLISH EXISTING BULKHEAD. NEW CEILING GRID TO BE INSTALL TO MATCH EXISTING ADJACENT GRID / CEILING TILE AS INDICATED ON THE REFLECTED CEILING PLAN ON SHEET A2.1.
5. CREATE OPENING IN WALL FOR SCHEDULED DOOR.

GENERAL NOTE: WHERE DEMOLITION IMPACTS FLOORING, CONTRACTOR TO SAVE ALL USABLE CARPET SQUARES THAT ARE PULLED UP FOR FUTURE REPLACEMENT PIECES.

demolition plan symbols

NAME
100
ROOM NAME & NUMBER

1 KEYNOTE

Existing construction to remain

Existing construction to be demolished

SCREENED LINES INDICATE EXISTING CONSTRUCTION TO REMAIN. HEAVY DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE DEMOLISHED.

partition types refer to typicals 2/g0.0 for details

EXISTING NON-RATED

EXISTING RATED

EXISTING TO BE DEMOLISHED

demolition general notes

CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS:

DEMOLITION WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND ORDINANCES AS SET FORTH BY GOVERNING AUTHORITIES. COORDINATE WITH BUILDING MANAGEMENT FOR ALL SALVAGED MATERIALS TO BE RETURNED AND STORED IN LOCATION AS SPECIFIED BY BUILDING MANAGEMENT.

THESE DRAWINGS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY THESE DRAWINGS WITH EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES WITH ACTUAL CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION.

THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY WORK INDICATED IN THE CONTRACT DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS.

REMOVE EXISTING WALL CONSTRUCTION AS INDICATED. TYPICAL WALL REMOVAL INCLUDES FINISHES, MECHANICAL, ELECTRICAL, & PLUMBING SYSTEMS CONTAINED THEREIN. REMOVE DOORS, CASEWORK, WINDOWS, FRAMES, AND OTHER FIXTURES AS REQUIRED. REMOVE PIPE CHASES IF ABANDONED. PATCH ADJOINING WALLS, FLOORS, & DECK. PREPARE SURFACE TO RECEIVE NEW FINISH AS SCHEDULE. WHERE NEW FINISHES ARE SPECIFIED ON EXISTING SURFACES, REMOVE EXISTING FINISHES AND PREPARE SURFACES AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS.

THE CONTRACTOR SHALL NOT CUT STRUCTURAL WORK IN ANY MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL STRUCTURAL CUTS PRIOR TO TO EXECUTION SO THAT APPROVAL CAN BE OBTAINED FROM THE ARCHITECT BEFORE CONTINUING.

THE CONTRACTOR SHALL VERIFY THAT A SAFE AND CLEARLY IDENTIFIED EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT ALL PHASES ON DEMOLITION AND/OR CONSTRUCTION.

THE EXISTING BUILDING ENVELOPE SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AT ALL TIMES THROUGHOUT ALL PHASES ON CONSTRUCTION.

REFER TO ARCHITECTURAL PLAN ON THIS SHEET, FOR DIMENSIONAL EXTENT OF BUILDING ELEMENTS TO REMAIN AND TO BE REMOVED.

REMOVE AND STORE EXISTING DOORS AS INDICATED FOR REUSE. SEE CONSTRUCTION PLAN ON THIS SHEET FOR NEW LOCATIONS.

WHERE EXISTING OPENINGS ARE TO BE INFILLED - REMOVE EXISTING H.M. FRAME, DOOR AND HARDWARE AND PREPARE OPENING FOR INFILLING WITH MATERIALS TO MATCH EXISTING WALL CONSTRUCTION.

WHERE NEW OPENINGS ARE PLANNED - REMOVE SECTION OF EXISTING PARTITION AS INDICATED AND PREPARE OPENING FOR INSTALLATION OF DOOR / FRAME OR CASED OPENING AS SCHEDULED.

WHERE NEW FINISHES ARE SPECIFIED ON THE FINISH PLAN. REMOVE ALL EXISTING FINISHES - PATCH AND REPAIR WALLS AND FLOOR - PREPARE THEM TO ACCEPT NEW SCHEDULED FINISH PER MANUFACTURER'S INSTRUCTIONS.

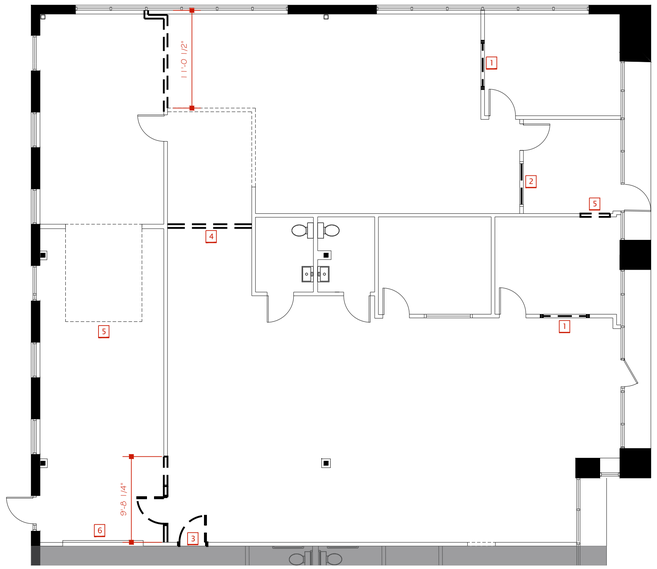
REMOVE EXISTING WINDOW BLINDS AND STORE FOR REUSE WHEN CONSTRUCTION IS COMPLETE.

REMOVE, STORE, AND CLEAN THE FOLLOWING ITEMS FOR REUSE IN NEW CONSTRUCTION AS INDICATED: DOORS, DOOR HARDWARE, MILLWORK, PLUMBING FIXTURES, APPLIANCES, LIGHT FIXTURES, FIRE ALARM DEVICES.

REMOVE AS NEEDED ANY CEILING TILES, GRID, AND RELATED CEILING ELEMENTS AS AFFECTED BY DEMOLITION AND AS CALLED FOR ON THE REFLECTED CEILING PLAN. MODIFY GRID TO MATCH ADJACENT GRID UNLESS NOTED OTHERWISE.

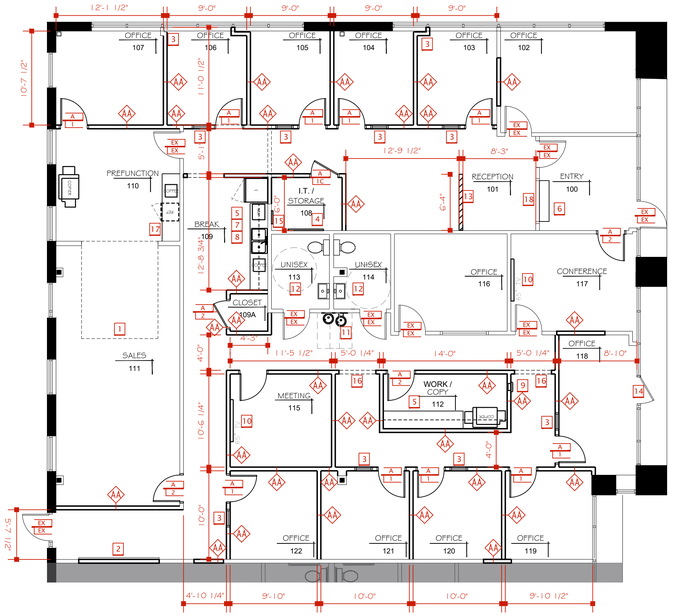
ALL EMERGENCY LIGHTING AND EXIT SIGNAGE IS TO REMAIN IN PLACE AND OPERATIONAL.

EXISTING SPRINKLER SYSTEM TO REMAIN AND BE MODIFIED AS NECESSARY DUE TO NEW LAYOUT AND CEILING CONFIGURATION.



demolition plan

8' 4' 0 8'



floor plan

8' 4' 0 8'

architectural key note plan

CONTRACTOR SHALL PERFORM THE WORK INDICATED BY THESE NOTES IN AREAS DESIGNATED ON THE PLAN SPECIFIC KEYNOTE NUMBER.

1. OVERHEAD GARAGE DOOR IS EXISTING TO REMAIN AND TO REMAIN OPERABLE.
2. OVERHEAD GARAGE DOOR IS EXISTING TO REMAIN. OPENING TO BE INFILLED WITH TYPE "AA" WALL AS INDICATED ON FLOOR PLAN ON THIS SHEET TO PROVIDE DEMISING WALL TENANT SEPARATION.
3. CONSTRUCT PARTITION TO ALIGN WITH CENTER LINE OF MULLION AS INDICATED. CLOSE CONSTRUCTION TIGHT TO MULLION SIMILAR TO DETAIL 3/G0.0.
3. INTERIOR WINDOW GLAZING SHALL BE FIXED 3/8" TEMPERED GLASS IN METAL TRACK AT TOP AND BOTTOM, IN DRYWALL CASED OPENING 2'-0"H x 7'-0"H, SEALED TO JAMBS WITH CLEAR SILICONE BUTT JOINT.
4. PROVIDE 3/4" FIRE-RETARDANT PLYWOOD FOR USE AS TELE/DATA BACKBOARD SIZED AT 4' x 8'. VERIFY LOCATION AND EXTENT OF COVERAGE WITH TENANT.
5. MILLWORK IS TO COMPLY WITH THE ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS, TO BE CUSTOM GRADE. CONSTRUCTION SHALL BE AS FOLLOWS:
   COUNTERTOPS: 1-1/2" PLASTIC LAMINATE COUNTER WITH SQUARE EDGE AND 4" BACK SPLASH. WATER RESISTANT SUBSTRATE AT WET LOCATIONS.
   BASE AND WALL CABINETS: FLUSH OVERLAY DESIGN WITH PLASTIC LAMINATE FINISH ON EXPOSED SURFACES WHITE MELAMINE INTERIORS.
   DOOR HARDWARE: - MOCKETT DP55A PULLS AND CONCEALED HINGES. SEE ELEVATIONS AS.1. PROVIDE SOFT-CLOSE HARDWARE FOR ALL CABINETS & DRAWERS.
6. PROVIDE 12 " DEEP PLASTIC LAMINATE SHELF, MOUNTED AT 34" AFF. LENGTH OF SHELF TO ALIGN WITH WIDTH OF EXISTING CASED WINDOW OPENING WHERE GLASS WAS REMOVED.
7. PROVIDE DROP-IN DOUBLE BOWL STAINLESS STEEL SINK, STANDARD KITCHEN TYPE FAUCET WITH SPRAYER, AND PADDLE TYPE HOT/COLD CONTROLS.
8. PROVIDE WATER LINE FOR OWNER FURNISHED COFFEE MAKER, LOCATION TO BE SPECIFIED IN FIELD AND REFRIGERATOR w/ ICE MAKER.
9. CONTRACTOR SHALL SUPPLY AND INSTALL SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH MAXIMUM PROJECTION FROM WALL OF 4". CABINET BOTTOM TO BE NOT LESS THAN 34" A.F.F. AND/OR CABINET TOP NOT TO EXCEED 60" A.F.F. TYPE TO MATCH BASE BUILDING STANDARD. PROVIDE 5lb. ABC TYPE EXTINGUISHER.
10. PROVIDE BLOCKING FOR TV BRACKETS @ HEIGHT TO BE PROVIDED BY TENANT.
11. REPLACE EXISTING DRINKING FOUNTAIN TO BE HI-LO ACCESSIBLE DRINKING FOUNTAIN.
12. EXISTING RESTROOMS ARE ACCESSIBLE AND EXISTING TO REMAIN.
13. CONSTRUCT PARTIAL HEIGHT WALL TO BE 60" AFF. PROVIDE AND INSTALL SQUARE PROFILE WALL CAP ON TOP AND END OF WALL. CAP TO BE PAINTED TO MATCH WALL PAINT IN SATIN FINISH.
14. LOCK EXISTING EXTERIOR DOOR IN PLACE.
15. FURR OUT WALL TO 7" THICKNESS SO ELECTRICAL PANELS CAN BE RECESSED IN WALL.
16. CONSTRUCT 4'-0"X 7'-0" PAINTED WOOD CASED OPENING AT THIS LOCATION. WOOD CASED OPENING TO BE SQUARE EDGE PROFILE TO MATCH ADJACENT WALL BUT TO BE IN SATIN FINISH.
17. COUNTERTOP INDICATED TO BE FURNITURE SOLUTION PROVIDED AND INSTALLED BY OWNER. INDICATION OF UNDERCOUNTER REFRIGERATOR AND COFFEE AT THIS LOCATION IS FOR POWER COORDINATION ONLY. APPLIANCES TO BE PROVIDED AND INSTALLED BY OWNER.
18. PROVIDE AND INSTALL A SLIDING GLASS WINDOW IN EXISTING WINDOW OPENING WHERE INDICATED. WINDOW TO SLIDE LEFT TO RIGHT AS ONE FACES THE FRONT DOOR.

architectural plan symbols

NAME
100
Room Name & Number

SECTION TAG:
Section Reference
Sheet Reference

ELEVATION TAG:
Elevation Reference
Sheet Reference

DETAIL TAG:
Detail Reference
Sheet Reference

1 KEYNOTE

A DOOR TYPE, RE: Door Schedule & Legend.
A HARDWARE TYPE, RE: Hardware Legend.

B PARTITION CONSTRUCTION TYPE, see "PARTITON TYPES" below and 4/G0.0

ALIGN
Align finished face of partition with surfaces indicated.

FEC
Semi-recessed fire extinguisher cabinet with 4" max. projection from wall. Match building standard unless noted otherwise. Mount bottom of cabinet not less than 34" AFF. and top of cabinet shall not exceed 60" AFF. Provide 5lb. ABC type fire extinguisher.

partition types

REFER TO TYPICALS 2/G0.0 FOR DETAILS

EXISTING NON-RATED

EXISTING RATED

NEW WALL

AA TYPE-AA NON-RATED TO UNDERSIDE OF CEILING - ACOUSTICAL

architectural plan general notes

REFER TO GENERAL NOTES SHEET G0.0 FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.

CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE:

ALL DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH UNLESS NOTED OTHERWISE.

CONTRACTOR SHALL COORDINATE STUD SIZE AND GAGE NECESSARY FOR HEIGHT OF WALL, AS WELL AS FOR STRUCTURAL, MECHANICAL, PLUMBING, OR ELECTRICAL CLEARANCES PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES WITH LAYOUT AS DIMENSIONED SHALL BE COORDINATED IMMEDIATELY WITH ARCHITECT.

IN FIRE RATED WALLS CONTRACTOR SHALL REINFORCE METAL STUD CONSTRUCTION WITH FIRE RESISTANT WOOD BLOCKING AT ALL LOCATIONS WHERE WALL CABINETS, SHELVING, GRAB BARS, ACCESSORIES, SIGNS, ETC., ARE TO BE INSTALLED. AT ALL OTHER WALL TYPES NON-FIRE RESISTANT WOOD BLOCKING IS ACCEPTABLE AT THESE INSTALLATIONS.

DOORS TO BE INSTALLED WITH JAMB SIDE 6" FROM INTERIOR FACE OF PERPENDICULAR WALL UNLESS NOTED OTHERWISE.

CONSTRUCT GYPSUM BOARD COLUMN WRAP WITH 7/8" HAT CHANNELS OR 2-1/2" STUDS AND 5/8" GYPSUM WALLBOARD. MINIMIZE OUTSIDE DIMENSION OF COLUMN ENCLOSURE. INCORPORATE ANY ADJACENT PIPING OR ELECTRICAL DEVICES. IF COLUMN WRAPS ARE LESS THAN 6" FROM ADJACENT WALLS, EXTEND GYPSUM ENCLOSURE TO INTERSECT WALL.

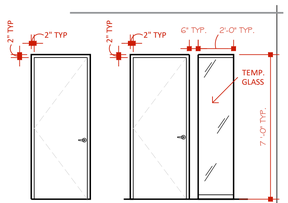
CONSTRUCT NEW WALLS INTERSECTING EXISTING CONSTRUCTION TO ALIGN WITH FACE OF EXISTING WALL CONSTRUCTION.

CONSTRUCT NEW WALLS INTERSECTING BUILDING COLUMN SURROUNDS TO ALIGN WITH THE FACE OF THE COLUMN OR CENTERED ON THE COLUMN AS INDICATED, UNLESS DIMENSIONED OTHERWISE.

WALLS INTERSECTING WINDOW MULLIONS SHALL ALIGN WITH CENTER OF MULLION UNLESS NOTED OTHERWISE. REFER TO DETAIL 3/G0.0. CLOSE CONSTRUCTION TIGHT TO MULLION WITH BUILDING STANDARD DETAIL - BREAKMETAL TO MATCH WINDOW MULLION IN COLOR AND MATERIAL. CONTRACTOR SHALL MAINTAIN PARTITION RATING AND SOUND ATTENUATION.

REMOVE, CLEAN, AND REINSTALL ALL EXISTING BLINDS. CONTRACTOR SHALL VERIFY BLINDS ARE IN WORKING CONDITION AND MAKE REPAIRS AS NEEDED. WHERE NEW CONSTRUCTION INTERFERES WITH THE CURRENT OPERATION OF EXISTING BLINDS, CONTRACTOR SHALL COORDINATE REWORKING/REPLACING THE BLINDS TO FUNCTION WITH NEW LAYOUT.

INFILL OF DOOR OPENINGS SHALL BE STANDARD METAL STUD CONSTRUCTION WITH GYPSUM WALLBOARD. MAINTAIN FIRE RATINGS OF EXISTING CONSTRUCTION. FINISHED SURFACE SHALL BE FLUSH WITH ADJACENT EXISTING PARTITION SURFACE.



door typical & elevations X

door schedule

UNLESS NOTED OTHERWISE ALL DOORS ARE 7'-0" A.F.F TO MATCH EXISTING.

UNLESS NOTED OTHERWISE LEVER HEIGHT IS TO MATCH EXISTING.

ALL STAIN GRADE WOOD SHALL BE STAINED TO MATCH BUILDING STANDARD WOOD DOOR. SPECIES OF WOOD SHALL BE COMPATIBLE WITH STAIN MATCH. SUBMIT SAMPLES TO BUILDING REPRESENTATIVE AND ARCHITECT FOR APPROVAL.

NOTE:
MA MATCH EXISTING IN SPACE
EX EXISTING TO REMAIN
BB MATCH BASE BUILDING STANDARD

A 3'-0" X 7'-0" FLUSH SOLID CORE
ELEVATION: FL
FRAME: HOLLOW METAL FRAME
FINISH: MATCH EXISTING STAIN
RATING: NON RATED
GLASS: NO GLASS

door schedule X

hardware schedule

PROVIDE APPROPRIATE HINGES ON EACH DOOR LEAF, AND SILENCERS ON ALL HOLLOW METAL FRAMES.

PROVIDE FLOOR OR WALL STOPS AS APPROPRIATE FOR EACH LOCATION.

HARDWARE FINISH TO MATCH EXISTING.
ALL LOCKSET HARDWARE TO BE KEYED TO TENANT SPECIFICATION.

NOTE: CONFIRM REMAINING EXISTING DOOR HARDWARE MEETS SCHEDULED FUNCTION AND IS ADA/ANSI COMPLIANT; REPLACE WHERE NECESSARY.

FL MATCH EXISTING LEVER LOCKSET. "C" INDICATES CLOSER

FL MATCH EXISTING LEVER LATCHSET

hardware schedule X

LINES
interiors + architecture

CONTRACT DOCUMENTS

BILL HENSON
206 Gothic Court,
Suite 301 Franklin, TN

demolition plan & floor plan

A1.1
April 27th, 2021
MS4-2100

reflected ceiling plan keynotes

CONTRACTOR SHALL PERFORM THE WORK INDICATED BY THESE NOTES IN AREAS DESIGNATED ON THE PLAN SPECIFIC KEYNOTE NUMBER.

1 DEMOLISH EXISTING BULKHEAD AT THIS LOCATION AND EXTEND ADJACENT CEILING TILE AND GRID AS INDICATED. REUSE AS MANY TILES SALVAGED FROM DEMOLITION AS POSSIBLE.

2 DASHED LINE ABOVE NEW WALL INDICATED EXISTING BULKHEAD. IF EXISTING BULKHEAD DOES NOT ALIGN WITH NEW WALL, DEMOLISH EXISTING BULKHEAD AND BREAK CEILING GRID ABOVE NEW OFFICE 106 AND 105 WALL TO CREATE CEILING SEPARATION.

reflected ceiling plan general notes

REFER TO GENERAL NOTES SHEET G0.0 FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.

CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.

CEILING ELEMENTS (LIGHTING FIXTURES, MECHANICAL DIFFUSERS, SPRINKLER HEADS, ETC. ARE SHOWN FOR LAYOUT AND DESIGN INTENT ONLY. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION.

ALL CEILING ELEMENTS SHALL BE CENTERED IN TILE, UNLESS NOTED OTHERWISE.

EMERGENCY LIGHTING LAYOUT IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL EVALUATE EMERGENCY LIGHTING LOCATIONS AND COORDINATE WITH INDICATED DESIGN INTENT. EMERGENCY LIGHTING SHALL COMPLY WITH CODE REQUIREMENTS.

CEILING HEIGHT TO MATCH EXISTING UNLESS NOTED OTHERWISE

SPRINKLER HEADS LOCATED IN ACOUSTIC CEILING TILE ARE TO BE CENTERED IN TILE AND HEADS IN GYPSUM BOARD CEILINGS ARE TO BE SEMI-RECESSED HEAD TYPE TYPICALLY.

SWITCHES ARE TO BE MOUNTED TO MATCH EXISTING. EACH ROOM TO BE SWITCHED INDIVIDUALLY UNLESS NOTED OTHERWISE.

ALL ADJACENT SWITCHES SHALL BE GANGED IN A SINGLE BOX WITH A SINGLE COVER PLATE. IF GANGING OF SWITCHES IS NOT POSSIBLE, INDIVIDUAL SWITCHES SHALL BE SPACED AN EQUAL AND MINIMUM DISTANCE APART AND LOCATED AT THE SAME ELEVATION AFF. STACKING OF SWITCHES MAY BE NECESSARY IF THE NUMBER IS EXCESSIVE.

MODIFY EXISTING MECHANICAL SYSTEM TO PROVIDE SEPARATE ZONING FOR EACH EXPOSURE. BALANCE ALL ZONES AFFECTED BY CONSTRUCTION. PROVIDE TEST AND BALANCE REPORT TO BUILDING OWNER AND ARCHITECT FOR REVIEW. A COPY OF THE BALANCE INFORMATION SHALL BE SUBMITTED TO BUILDING REPRESENTATIVE UPON COMPLETION OF THE WORK.

ALL ABOVE CEILING SYSTEMS SHALL BE DESIGNED TO ACCOMMODATE CEILING HEIGHTS DOCUMENTED AND CEILING FIXTURES SPECIFIED. CEILING DROPS WILL NOT BE CONSIDERED TO ACCOMMODATE REROUTING OF SYSTEMS.

ALL LIGHTING AND/OR SWITCHING SHALL BE COORDINATED WITH BASIC BUILDING SYSTEMS. REFER TO BUILDING REPRESENTATIVE OR BUILDING ENGINEER FOR BUILDING STANDARDS AND REQUIREMENTS.

ALL LIGHTING SHOULD BE APPROVED THROUGH PROPER SUBMITTAL PROCESS AND SHOULD BE APPROVED BY CONTRACTOR, TENANT, ARCHITECT, AND ELECTRICAL ENGINEER PRIOR ORDERING.

ALL LIGHTS HAVE BEEN SELECTED FOR DESIGN INTENT AND FOR OVERALL AESTHETICS. ANY REQUESTED CHANGES FOR VALUE ENGINEERING OR SUBSTITUTION WILL RESULT IN ADDITIONAL FEES FROM THE ARCHITECT AND THE ELECTRICAL ENGINEER.

THE ACAD FILES OF THIS PROJECT CAN BE OBTAINED FOR A FEE OF $250.00 PER ACAD FILE. REQUESTS FOR THIS INFORMATION SHOULD BE DIRECTED TO THE DESIGNER LISTED ON THE COVER SHEET OF THESE PLANS.

ALL NEW CEILING MATERIALS SHALL MATCH EXISTING ADJACENT LAYOUT. IN AREAS WHERE NEW GRID ABUTS EXISTING TO REMAIN, LAYOUT SHALL ALIGN WITH EXISTING PATTERN AS INDICATED.

REMOVE AND RELOCATE EXISTING LIGHT FIXTURES AS NECESSARY TO COMPLETE NEW LIGHTING LAYOUT. FIXTURES NOTED "R" ARE RELOCATED EXISTING UNITS. FIXTURES NOTED "E" ARE EXISTING TO REMAIN LOCATIONS.

CLEAN AND RELAMP ALL EXISTING FIXTURES TO REMAIN. LAMP TYPE AND WATTAGE TO MATCH THROUGHOUT ENTIRE TENANT SPACE.

RE-SWITCH NEW, EXISTING AND RELOCATED FIXTURES AS INDICATED. EXISTING SWITCH LOCATIONS ARE NOTED AS "E".

EXISTING EXIT SIGNS AND EMERGENCY LIGHTING ARE TO REMAIN. CONTRACTOR SHALL EVALUATE LOCATION OF THESE FIXTURES AND MODIFY IF NECESSARY TO ACCOMMODATE NEW CONSTRUCTION AND TO COMPLY WITH CODES.

reflected ceiling plan symbols

NAME / 100 — ROOM NAME AND NUMBER

SECTION TAG: Section Reference, Sheet Reference

ELEVATION TAG: Elevation Reference, Sheet Reference

DETAIL TAG: Detail Reference, Sheet Reference

KEYNOTE

CEILING HEIGHT TAG: Ceiling Height Reference, Ceiling Type Reference

Hatch Designates Drywall Soffit

Suspended Acoustical Ceiling Grid

Recessed 2' X 4' Fixture

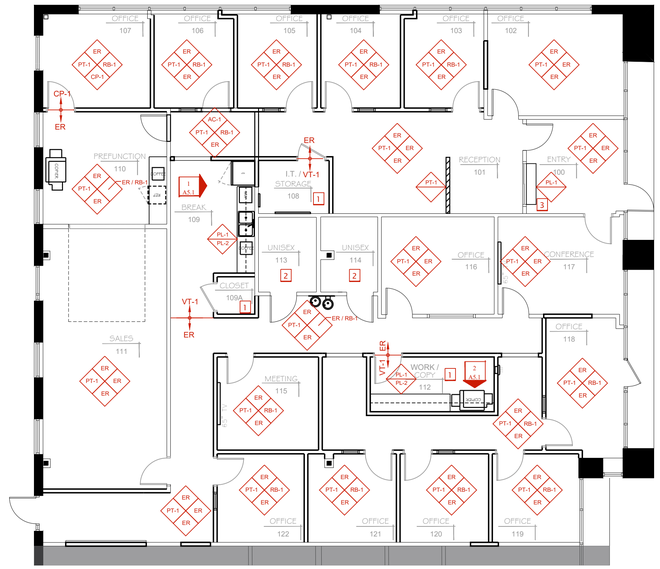
Recessed Downlight (EM Indicates Emergency Ballast)

demolition plan

8' 4' 0 8'

NOTE:
LIGHTING LAYOUT AND SWITCHING IS FOR DESIGN INTENT ONLY. FINAL LIGHTING LAYOUT TO BE DETERMINED BY ENGINEER'S OR CONTRACTOR'S CALCULATIONS AND COMPLIANCE WITH THE INTERNATIONAL ENERGY CONSERVATION CODE AS REQUIRED BY JURISDICTION.

ROOMS ARE TO HAVE OCCUPANCY/MOTION PHOTO SENSORS, OR DUAL SWITCHING, IN COMPLIANCE WITH THE INTERNATIONAL ENERGY CONSERVATION CODE.



floor plan

8' 4' 0 8'

interior finishes

IBC CHAPTER 8

INTERIOR FINISH CLASSIFICATIONS FOR WALLS, CEILINGS & FLOORS TO COMPLY WITH TABLE 803.13 IN THE 2018 IBC.

WALL & CEILING FINISHES
CLASS A: FLAME SPREAD 0-25; SMOKE-DEVELOPED 0-450
CLASS B: FLAME SPREAD 26-75; SMOKE-DEVELOPED 0-450
CLASS C: FLAME SPREAD 76-200; SMOKE-DEVELOPED 0-450

GROUP	CLASS
EXIT ENCL/EXIT PASSAGEWAYS	(B)
CORRIDORS	(C)
ROOMS AND ENCL SPACES	(C)

2018 IBC interior finish classifications — X

finish plan keynotes

CONTRACTOR SHALL PERFORM THE WORK INDICATED BY THESE NOTES IN AREAS DESIGNATED ON THE PLAN SPECIFIC KEYNOTE NUMBER.

1 SPECIFICATIONS FOR THIS CONFINED SPACE AS BELOW:
CEILING FINISH: ER
WALLS FINISH: PT-1
BASE FINISH: RB-1
FLOOR FINISH: VT-1

2 SPECIFICATIONS FOR THIS CONFINED SPACE AS BELOW:
CEILING FINISH: ER
WALLS FINISH: PT-1
BASE FINISH: ER
FLOOR FINISH: ER

3 PROVIDE 12 " DEEP PLASTIC LAMINATE SHELF, MOUNTED AT 34" AFF. LENGTH OF SHELF TO ALIGN WITH WIDTH OF EXISTING CASED WINDOW OPENING WHERE GLASS WAS REMOVED.

finish schedule

AC-1 ACOUSTICAL CEILING TILE
MANUFACTURER: MATCH EXISTING
STYLE: MATCH EXISTING
COLOR: MATCH EXISTING

PT-1 PAINT
MANUFACTURER: MATCH EXISTING
COLOR: MATCH EXISTING
FINISH: MATCH EXISTING

PT-5 PAINT-DOOR & WINDOW FRAMES
MANUFACTURER: MATCH EXISTING
COLOR: MATCH EXISTING

PL-1 PLASTIC LAMINATE (COUNTERTOP)
MANUFACTURER: WILSONART STANDARD LAMINATE
COLOR: DOVE GREY D92-60

PL-2 PLASTIC LAMINATE (CABINETS)
MANUFACTURER: WILSONART STANDARD LAMINATE
COLOR: BLACKBIRD 5024K-19

RB-1 RUBBER BASE
MANUFACTURER: MATCH EXISTING RUBBER COVE BASE
STYLE: MATCH EXISTING
COLOR: MATCH EXISTING

CP-1 CARPET
MANUFACTURER: MATCH EXISTING USING ATTIC STOCK
STYLE: MATCH EXISTING
COLOR: MATCH EXISTING

VT-1 VINYL COMPOSITION TILE
MANUFACTURER: MATCH EXISTING VCT FLOORING (MATCH EXISTING FLOORING IN SALES 111)
STYLE: MATCH EXISTING
COLOR: MATCH EXISTING

finish plan symbols

NAME / 100 — ROOM NAME AND NUMBER

KEYNOTE

MILLWORK FINISHES: Counter Top, Wall/Base Cabinets

Extent of Finish & Accent Finish

FINISH TAG: Ceiling Type, Wall Finish, Base Finish, Floor Finish

CP-1 — VT-1 Transition of Floor Materials

finish plan abbreviations

AC	Acoustical Ceiling Tile	RB	Rubber Base
CP	Carpet	ST	Stain
CG	Ceiling Grid	VT	Vinyl Composition Tile
ER	Existing to Remain		
ME	Match Existing		
PT	Paint		
PL	Plastic Laminate		

general finish selections and notes

REFER TO GENERAL NOTES SHEET G0.0 FOR GENERAL CONDITIONS AND REQUIREMENTS FOR ALL CONSTRUCTION.

ALL INTERIOR FINISHES SPECIFIED THROUGHOUT THE SPACE SHALL COMPLY, AS PER JURISDICTION, WITH IBC CHAPTER 8, NFPA 101, AND TABLE 803.3 IFC 2009 FOR MINIMUM FLAMESPREAD CLASSIFICATION. ANY FINISH SELECTIONS, SUBSTITUTIONS, OR ADDITIONS THAT ARE DEEMED NON-COMPLIANT SHALL BE SUBMITTED TO THE ARCHITECT FOR RESELECTION.

CONTRACTOR TO PERFORM THE WORK OUTLINED IN THESE NOTES IN ALL AREAS OF CONSTRUCTION UNLESS NOTED OTHERWISE IN THESE DOCUMENTS.

COORDINATE SURFACE OF WALLS TO RECEIVE DARK PAINT TO BE FINISHED TO A HIGH STANDARD SO AS NOT TO REFLECT IMPERFECTIONS IN WALL CONSTRUCTION OR FINISHING.

SAMPLES OF FINISH COLORS AND MATERIALS SPECIFIED SHALL BE SUBMITTED FOR APPROVAL TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.

TYPICAL FLOOR COVERING TRANSITION IS AT CENTERLINE OF DOOR OR CENTERLINE OF OPENING WHERE NO DOOR IS PRESENT UNLESS NOTED OTHERWISE. PROVIDE AND INSTALL VINYL REDUCING STRIP AT FLOORING MATERIAL TRANSITIONS BETWEEN VINYL FLOORING MATERIALS AND CARPET ONLY. SUBMIT SAMPLES TO ARCHITECT FOR APPROVAL. TRANSITIONS BETWEEN OTHER MATERIALS SHALL BE AS DETAILED OR AS DIRECTED BY THE ARCHITECT.

COLORED CAULK SHALL BE USED AT ALL LOCATION TO MATCH WALL PAINT OR LAMINATE, COLOR TO BE APPROVED BY ARCHITECT.

ALL FINISHES ARE TO REMAIN AS EXISTING UNLESS NOTED. REPAIR SURFACES AND TOUCH UP EXISTING FINISH AS NECESSARY DUE TO DEMOLITION, CONSTRUCTION, OR EXISTING DAMAGE. ALL FINISHES AT NEW CONSTRUCTION ARE TO MATCH EXISTING.

APPLY FINISHES AS SELECTED BELOW GENERALLY THROUGH THE SPACE, UNLESS NOTED OTHERWISE:
TELEPHONE BACKBOARD: PAINT COLOR OF ADJACENT WALL.
DOORS: MATCH EXISTING STAIN
DOOR FRAMES: PT-5
ELECTRICAL DEVICES: MATCH EXISTING
EXPOSED FACE ALL ELEC. PANEL BOXES: PAINT TO MATCH WALL.
EXPOSED CONDUIT/PIPES, DUCTS, GRILLES: PAINT TO MATCH ADJACENT SURFACE.

NOTE: FOR MILLWORK/CASEWORK AWI RECOMMENDATIONS ARE TO MAINTAIN PROPER HUMIDITY CONDITIONS, DURING SITE STORAGE, AND INSTALLATION, WITHIN THE RANGE OF 25% TO 55%. CONTRACTOR IS TO ALSO FOLLOW DURING FABRICATION AND FINISHING.

LINES interiors + architecture

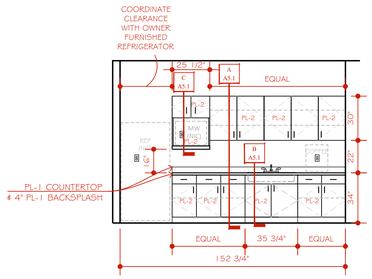
CONTRACT DOCUMENTS

TREVOR D. SULLIVAN — REGISTERED ARCHITECT — STATE OF TENNESSEE — No. 102215 — 4-27-21

BILL HENSON
206 Gothic Court,
Suite 301 Franklin, TN

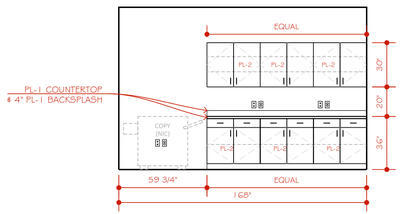
reflected ceiling plan & finish plan

A2.1
April 27th, 2021
MS4-2100



1 elevation @ break 109

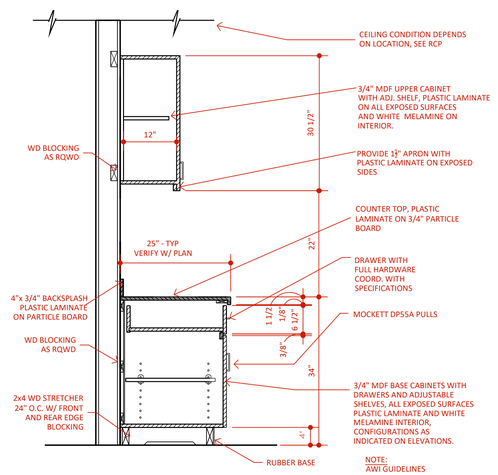
4' 2' 0 4'



2 elevation @ work / copy 112

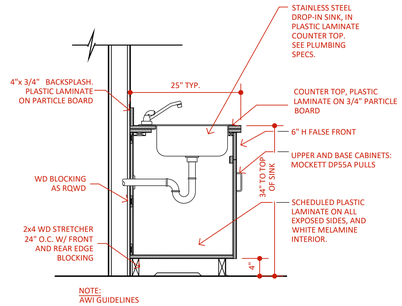
4' 2' 0 4'

interior elevations X



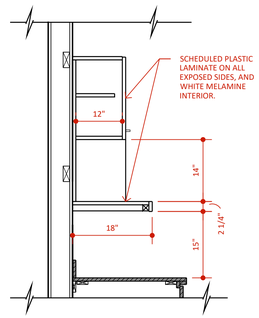
A section @ typical millwork base cabinet with drawer

1' 6" 0 1'



B section @ typical millwork base cabinet with sink

1' 6" 0 1'



C section @ break millwork microwave shelf

1' 6" 0 1'

sections & details X

NOTE:

SUBMITTALS: PROVIDE DRAWINGS & DETAILS OF MILLWORK, PRIOR TO INSTALLATION. PROVIDE MATERIAL SAMPLE SHOWING ALL FINISHES, LOCATIONS, & COLORS. PROVIDE CUT-SHEETS FOR HARDWARE.

FIELD MEASUREMENTS: CHECK ACTUAL LOCATIONS OF WALLS & OTHER CONSTRUCTION TO WHICH MILLWORK FABRICATIONS MUST FIT BY ACCURATE FIELD MEASUREMENTS BEFORE FABRICATION. SHOW RECORDED MEASUREMENTS ON FINAL SHOP DRAWINGS. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING THE WORK.

CONFIRM DIMENSIONS OF TENANT PROVIDED EQUIPMENT PRIOR TO FABRICATION.

LINES
interiors + architecture

TRENT D. SULLIVAN REGISTERED ARCHITECT 4.27.21 No. 102215 STATE OF TENNESSEE

CONTRACT DOCUMENTS

BILL HENSON
206 Gothic Court,
Suite 301 Franklin, TN

interior elevations

A5.1

April 27th, 2021
MS4-2100

Division 16 – Electrical

Basic Requirements and Materials

Work will be in conformance with the International Building code (with Standard Building Code annotations), as well as the latest edition of the National Electrical Code (NFPA 70), National Fire Protective Association codes and regulations (including Life Safety Code), Fire Protection Rules and Regulations of the State Fire Marshall and all state and local building codes and ordinances. Obtain permits and secure inspections required for execution of work indicated by these drawings and specs. If the local authority utilizes a previous code rather than the latest edition, use the locally enforced vintage of code in lieu of the latest edition.

Furnish all necessary materials and labor to install a complete and fully operable electrical system as indicated on the drawings and in these specifications Install and provide electrical connections for, equipment furnished by others.

Prior to submitting a bid, contractor shall visit the site & ascertain all existing conditions. Make such adjustments in work as required by actual conditions to be encountered. No subsequent allowance will be made after bid for any misunderstandings of existing conditions, including utility connections, & or integration of work with existing systems.. This shall include the relocation of all existing to remain devices mounted above ceiling requiring access by code – contractor shall include all costs associated with relocating devices to accessible areas or providing access doors as required. Use of access doors shall be pre approved by architect.

Secure and pay for all permits and fees necessary for the installation of the work.

Coordinate installation of electrical service with local utility. Provide duct banks, weather-heads, conduit, conductors, meter centers, and other materials and services that may be required.

Coordinate installation of telephone service with local telephone company.

Coordinate installation of cable television service with local cable company

All equipment shall be new and bear the UL label.

The drawings are diagrammatic. The routing of branch circuits and exact locations of outlets are subject to building conditions.

The plans and specifications, supplemented by the codes, shall be considered as jointly governing the installation of the electrical systems. Any work or materials indicated in either plans or specifications shall be considered as being required by both.

Installation of electrical work shall be under the supervision of a competent, licensed electrician.

Following completion of the electrical work, a certificate of approval shall be secured from the local code enforcement authority.

Electrical equipment such as switchboards, panelboards, industrial control panels, meter socket enclosures and motor control centers in other than dwelling units that are likely to require examination, adjustment, servicing or maintenance while energized must be field-marked to warn qualified persons of the danger associated with an arc flash from short circuits or ground faults. The field-marking must be clearly visible to qualified persons before they examine, adjust, service or perform maintenance on the equipment.

Submittals

Refer to architectural requirements of submittals. Submittals are not required unless required by architect. If required submit in electronic format (hard copies will not be accepted) The following sections/equipment for review: Main distribution gear & panelboards, meter center, lighting fixtures, lighting control systems & fire alarm system.

Contractor and/or vendor shall identify or list within the submittals any & all exceptions & deviations taken with the specifications & drawings. Failure to identify exceptions does not alleviate the contrator/vendor from providing the specified features, options or functions required by specifications & documents.

Raceway and Conduit Systems

The types of materials to be employed in the wiring systems are subject to building conditions and governing codes. The contractor is permitted to employ any of the materials listed in the spec or drawings, under conditions permitted by codes, with exceptions as noted in this spec and on the drawings. A complete conduit system with associated couplings, connectors, and fittings will be provided for power distribution system, branch lighting and receptacle circuits, lighting control, and fire alarm system (if applicable). A raceway system shall also be provided for portions of audio, distributed TV, etc., which is routed concealed in walls, or above inaccessible ceilings by providing a 3/4" conduit routed from device box to above accessible ceiling space. Unless stated otherwise, or is not possible due to field conditions, all wiring shall be run concealed and devices shall be mounted flush in walls and ceilings.

Electrical Metallic Tubing (EMT) shall be used for conduits that are concealed in walls, installed above suspended ceilings, installed exposed above 6 feet (utility spaces).

Intermediate Metal Conduits (IMC) shall be used for feeders, conduits installed in wet or hazardous areas, or installed exposed – below 6 feet (utility spaces).

Rigid Steel Conduit (RSC) shall be used for conduits exposed to mechanical damage.

Metal clad (MC cable) is allowed where permitted by NEC.

EMT, IMC, and Rigid conduit shall be hot dipped, galvanized, or electro galvanized steel as manufactured by Allied, General Electric, Republic, Triangle or Wheatland. Associated couplings, connectors and fittings shall be steel as manufactured by Raco or equivalent. PVC conduit shall be Schedule 40, 90/ C rated as manufactured by Carlon.

Flexible metal conduit shall be used for termination at equipment subject to motion and vibration. Length shall not exceed six feet.

Minimum conduit size shall be 1/2" for power branch circuits 3/4" for low voltage system's circuits concealed within concrete slabs, & 3/4" for mechanical and plumbing equipment connections.

Conductors – 600 Volts and Below

Conductors shall be 98% conductivity copper with 600-volt insulation. Use of Aluminum conductors is not allowed without prior approval by Architect and Engineer of Record. Conductors shall be type THHN or THWN. The minimum conductor size shall be #12 AWG for power wiring.

Factory color-coded conductors shall be used to indicate phase and voltage (match existing). A legend explaining the color code shall be installed in each panelboard. Colored electrical tape is permissible if factory color-coded wire is not available. Conductors shall be as manufactured by American Insulated Wire, General Cable, Okonite, Rome or Southwire.

Outlet Boxes

Each fixture, switch, receptacle, and other wiring/system device shall require a galvanized outlet box of appropriate size and depth for its particular location and use. As a minimum:

4" square x 1-1/2" deep w/square cut plaster ring:
switches, receptacles, in dry wall partitions.

2-1/2" x 3-3/4" masonry type:
Switches and receptacles in concrete block walls. Use round edge plaster rings only if block wall is to be plastered.

4-11/16" x 2" deep:
Outlets in block walls. Use round edge plaster ring if block wall is to be plastered, otherwise square cut device corners.

4" octagonal x 1-1/2":
Ceiling Outlet Boxes

Cover plate shall be provided for all outlet boxes. Blank plates shall be provided for boxes left for future use.

Associated panel & circuit number shall be permanently identified on front of each device cover plate.

Acceptable manufacturers are National, Appleton, Raco, General Electric and Steel City.

Pull and Junction boxes

For interior work, boxes shall be galvanized sheet metal with screw covers.

Boxes shall be sized according to number of conductors or type of use as outlined in the NEC. Minimum junction box size shall be 4" square and 2-1/2" deep.

Pull and junction boxes will be spot painted similar to outlet boxes. Covers will be permanently marked identifying panel & circuit numbers of circuits contained therein.

Panelboards (EXISTING)

Panelboards are existing to remain.

Circuit breakers shall be selected to accommodate available fault current ratings at associated bus. Provide an accurate, legible directory at each panelboard (new or existing being re-used). Provide breakers indicated on panel schedules as well as any other breakers required by the project. Fill available spares/spaces with 20/1 breakers.

Circuit breakers serving HVAC equipment & other cyclical equipment (except 120V fractional horsepower) shall be HACR type.

For apartment or hotel projects, provide arc fault protective type breakers for bedroom receptacle circuits. For renovation projects in which an existing panel is being re-used, contractor shall provide an accurate directory of circuits (after the renovation) within the panelboard.

Wiring Devices

Wiring devices, including switches, receptacles, and other miscellaneous devices shall be specification grade by Leviton, Arrow Hart, Hubbell, or Pass and Seymour, and shall be equal to:

Leviton 1221 series – 20A switches
Leviton 89781 series – CATV outlet
Leviton 5362 series – 20A receptacles
Leviton 6899 series – 20A Ground-Fault receptacle
Dimmers (stand alone) – Per light fixture manufacturer recommendations

Generally, switches and general purpose receptacles will be 20A. In other areas device rating will be determined by circuit load. Where a circuit serves a single receptacle, that device will match the over-current protection of the branch circuit.

Device Plates

Associated panel & circuit number shall be permanently identified on front of each device cover plate.

Device plates shall be provided for all switches, receptacles and miscellaneous devices and shall be as offered by the device manufacturer.

Unless directed otherwise by Architectural plans or owner, device plates shall be white, nylon, standard size and by same manufacturer as device installed.

Safety Switches

A safety switch shall be provided for each piece of equipment, which is not provided with an integral disconnecting means. Switches shall be horsepower rated-general duty (for 208V applications) and heavy duty (for 480V applications), and shall be as manufactured by Eaton/ Cutler-Hammer or equal. Provide service entrance type where utilized in this manner.

Supporting Devices

A system of supporting devices and hangers shall be provided for conduit systems, electrical equipment, fixtures, outlet boxes, junction boxes, etc.

Conduits shall be secured within 3 feet of each outlet box and at intervals not to exceed NEC requirements (10 feet for most metallic products).

Acceptable manufacturers are Erico Products, Inc., Steel City, Minerallac and Rayco Fasteners.

Grounding

The entire system of raceways and equipment shall be grounded in accordance with Article 250 of the NEC.

Ground conductors will be provided for the telephone system – #4 (service entrance terminal boards) and #6 AWG (remote terminal boards). Each shall be terminated at a terminal block "Cooper B-Line SBTGB" on the plywood backboard. Ground conductors shall originate at the panelboard that provides power to the telephone system.

Motor Starters

Motor starters shall be provided for equipment as required (see Mechanical schedules) and will be mounted in motor control centers, NEMA/general purpose enclosures, or NEMA 3R wet location enclosures as dictated by the specific application.

Design shall be NEMA standard; UL listed as manufactured by Eaton/Cutler-Hammer. Each starter shall be equipped with a hand-off-auto selector switch, control power transformer, pilot lights, motor circuit protector, push button station, and auxiliary contacts.

Interior Lighting and Lamps

General lighting shall be non-proprietary & shall be designed to provide desired lighting levels while meeting aesthetic goals and operating cost criteria. Acceptable manufacturers for light fixtures are denoted on lighting fixture schedule. Lamps shall be by Osram/Sylvania, G.E., or Phillips. Drivers shall be by Advance, MagnaTek, Motorola, or Valmont.

Exit signage throughout the facility will be accomplished using LED type, die cast aluminum units placed to comply with NFPA 101 (life safety code).

All fixture colors & finishes shall be approved by owner prior to ordering.

Recessed lighting fixtures installed in rated ceilings must be listed for use in a rated ceiling assemly or fixture must be enclosed as required to maintain ceiling rating.

Recessed lighting fixtures installed in ceilings with insulation must be I.C. rated.

Lighting Control System

Provide wall and ceiling mounted occupancy sensors,dimmers or dual level switching as shown and as required to comply with I.E.C.C..

Telephone/Data and CATV systems

Provide 2-gang box with cover plate for each outlet. Stub a 3/4" conduit from box to space above accessible ceiling. Provide duplex receptacle adjacent to all CATV outlets and connect to nearest available receptacle branch circuit if not indicated otherwise on the drawings. Coordinate exact scope for telephone and CATV with owner. Install RG6 coax cable from each cable TV outlet to the building cable TV entrance. Telephone cable shall be UTP Category 6. CATV shall be RG6 Coaxial cable.

GENERAL ELECTRICAL NOTES

1. At completion of work, electrical system shall be in complete working order. Perform testing in presence of owner's representative. Furnish instruments, devices and equipment necessary to perform tests. All equipment and devices shall be UL Listed. Installation shall conform to UL standards where applicable.
2. The electrical drawings are diagrammatic only and should not used to measured or scale the installation requirements. The routing of branch circuits and exact locations of devices are subject to building and site specific conditions.
3. Contractor shall maintain 2 sets of red-lined "As-Built" documents at the site that reflects the true installed conditions of the project.
4. If required by drawings, coordinate installation of new electrical service with electric utility company. Provide metercenters, weatherheads, meter bases, and other items as required.
5. Verify electrical requirements for all equipment prior to rough in. Provide circuits and fuses sized in accordance with manufacturers' recommendations.
6. Maintain code required working clearance at all electrical panels, disconnect switches and starters. There shall be no equipment, piping or duct work installed in or above the working clearances.
7. Install electrical boxes located on opposite sides of rated walls such that they are separated by a horizontal distance of 24 inches minimum. Where the 24 inch horizontal distance separation cannot be maintained due to receptacle spacing requirements, provided UL listed non-metallic boxes manufactured by Carlon Electrical products made of polyvinyl chloride and bearing a 2 hour rating. Install fire-stop intumescent electrical box gasket as manufactured as an intumescent thermoplastic device for use as a fire stop in electrical boxes. Must easily install inside the back of an electrical box, seal off the opening to prevent the spread of flames, include a pre-die cut ground screw opening to ensure metal to metal ground accessibility for future access. Volume of fire stop gasket shall not exceed 3.0 cubic inches which must include the void created if gasket will not sit flush to back of the junction box due to the raised nipple for grounding location. Device must be listed for use with plastic or metal faceplates in both 1 hr. and 2 hr. U-300, U-400 and U-411 wall assemblies. Gaskets must be designed to fit easily into the electrical boxes with out effecting NEC Box ratings and provided with an adhesive strip on the device to hold the gasket in place in back of electrical box. Gasket must have passed ASTM-814-10 testing for rated enclosures by an accredited NRTL. As manufactured by FireBlok or equal.
8. Provide disconnect switch for any hardwired equipment not supplied with disconnecting means.
9. See mechanical plans for exact locations and control requirements for mechanical equipment.
10. Connect exit lights and emergency lights with integral battery in exterior passages/stairs to local lighting circuit ahead of photocells switch such that they are constantly 'on' and will automatically convert to battery operation upon loss of normal power.
11. All HVAC air handling units (new and existing) 2000cfm and larger and/or serve the building egress path shall be provided with duct mounted smoke detectors, if detectors are existing, contractor shall test and inspect for proper operation and replace if required. Coordinate installation with division 15 prior to rough-in. For projects requiring duct detectors where no fire alarm system is present, contractor shall provide 120V. standalone duct detectors. Detectors shall be equal to Model #D4-120 with ART52-A05 Remote Test/Reset Switch with Sounder/Flasher Unit. Locate remote switch as directed by owner or tenant.
12. All receptacles on dedicated circuits shall be rated no less than circuit overcurrent device.
13. Fire stop around all penetrations of rated floors, ceilings, and walls. Refer to architectural drawings for additional details.
14. All light fixtures shall be as specified or as directed by the owner/architect. All fixtures that do not have a fixture type are to be chosen by the owner through an allowance. Electrical contractor shall provide outlet boxes as required.
15. Electrical contractor to confirm exact mounted method and location for all light fixtures prior to beginning rough-in and shall provide all necessary hardware.
16. Where multiple switches are shown mounted together, provide under a single faceplate.
17. The entire electrical installation shall be in compliance with any local ordinance in addition to the national electrical code being enforced. The electrical contractor shall obtain a copy of any ordinances and shall adjust the installation shown on these drawings as necessary to comply with the code that is the most stringent (local code ordinance or National Electrical Code –NEC).
18. AutoCad files for any portion of the electrical drawings may be obtained at a cost of $200.per cad file. This cost is intended to cover the man-hours only involved with preparing & delivering the Autocad files.

ELECTRICAL CIRCUITS SHALL BE INSTALLED PER NEC 210.4.
CONTRACTOR SHALL PROVIDE PANEL SCHEDULE DIRECTORIES FOR NEW AND EXISTING LOADS THAT COMPLY WITH NEC 408.4.

ABBREVIATIONS

ABBREVIATION	MEANING
AFF	ABOVE FINISHED FLOOR
GFI	GROUND FAULT INTERRUPTER
WP	WEATHER PROOF
TV	TELEVISION CONNECTION - COORDINATE MOUNTING HEIGHT W/ARCHITECT
FPMR	FUSE PER MANUFACTURERS RECOMMENDATIONS
FV	FIELD VERIFY, LOCATE PER OWNER
E	EXISTING TO REMAIN
ER	EXISTING TO BE RELOCATED
R	EXISTING RELOCATED
EX	EXISTING TO BE REMOVED
U.O.N.	UNLESS OTHERWISE NOTED

SHEET INDEX

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MTG. HT.
	CONDUIT CONCEALED	_____
	HOMERUN CONDUIT (QUANTITY OF ARROWS DETERMINES NUMBER OF CIRCUITS)	_____
	EXPOSED CONDUIT	_____
	SURFACE OR RECESSED LED FIXTURE (TYPE DETERMINES MOUNTING)	_____
	SURFACE OR RECESSED LED FIXTURE WITH BATTERY PACK (TYPE DETERMINES MOUNTING)	_____
	WALL MOUNTED LIGHT	_____
	EXIT LIGHT WITH INTEGRAL BATTERY BACK-UP	_____
	BATTERY PACK FIXTURE	_____
	COMBINATION EMERGENCY LIGHT AND EXIT SIGN	_____
(#)	NOTE REFERENCE - REFER TO NOTE INDICATED	_____
$	SINGLE POLE SWITCH - IVORY TOGGLE	46" AFF
$3	THREE WAY SWITCH - IVORY TOGGLE	46" AFF
$OC	WALL MOUNTED OCCUPANCY SENSOR	46" AFF
$D	WALL MOUNTED SLIDE DIMMER (2000 WATT)	46" AFF
ST	SINGLE POLE TOGGLE MOTOR DISCONNECT WITH THERMAL OVERLOAD	_____
	FLOOR MOUNTED COMBINATION DATA/TELEPHONE OUTLET	FLOOR
	COMBINATION DATA/TELEPHONE OUTLET AND PLATE	18" AFF
F	FIRE ALARM MANUAL PULL STATION	46" AFF
(F)	FIRE ALARM VISUAL STATION - LIGHT ONLY SEE FIRE ALARM SPEC. FOR CANDELA RATING	80" AFF
F	FIRE ALARM AUDIBLE AND VISUAL (COMBO) SEE FIRE ALARM SPEC. FOR db RATING	80" AFF
F	FIRE ALARM HORN DEVICE SEE FIRE ALARM SPEC. FOR db RATING	80" AFF
D	SMOKE DETECTOR	CEILING
D_S	DUCT SMOKE DETECTOR - SUPPLY (PROVIDE BY DIV. 16, INSTALL BY DIV. 15)	CEILING
D_R	DUCT SMOKE DETECTOR - RETURN (PROVIDE BY DIV. 16, INSTALL BY DIV. 15)	CEILING
	120V. DUPLEX RECEPTACLE	18" AFF
	120V. DUPLEX RECEPTACLE - SPECIAL MOUNTING HEIGHT	ABOVE COUNTER
	120V. QUADPLEX RECEPTACLE	18" AFF
	120V. QUADPLEX RECEPTACLE - SPECIAL MOUNTING HEIGHT	ABOVE COUNTER
	250V. 2-POLE SINGLE RECEPTACLE, AMPERAGE AS NOTED	18" AFF
	120V. DUPLEX GFI RECEPTACLE	18" AFF
	120V. DUPLEX GFI RECEPTACLE - SPECIAL MOUNTING HEIGHT	ABOVE COUNTER
	120V. FLOOR MOUNTED DUPLEX RECEPTACLE	FLOOR
J	JUNCTION BOX	_____
	FUSED DISCONNECT SPECIFY AMP/POLE	_____
	NON-FUSED DISCONNECT SPECIFY AMP/POLE	_____
	COMBINATION STARTER - SPECIFY NEMA SIZE	_____
OS	OCCUPANCY SENSOR - LEVITON MULI-TECH OSC20-MOW	CEILING
TV	TELEVISION CONNECTION BOX	COORDINATE MOUNTING HEIGHT W/ARCHITECT

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LINES interiors + architecture

CONTRACT DOCUMENTS

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electrical legends & specifications

E0.1
April 27th, 2021
MS4-2100

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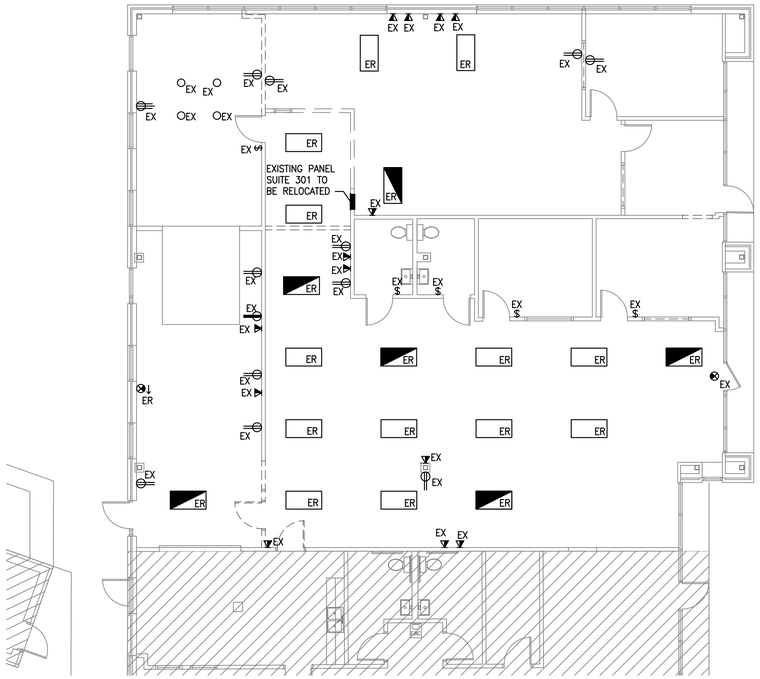

electrical demolition plan 1

8' 4' 0 8'

CONTRACTOR SHALL REMOVE ALL EXISTING ELECTRICAL DEVICES, WIRING ON WALLS BEING DEMOLISHED–REMOVE CONDUIT WIRING, CABLING BACK TO SOURCE.

CONTRACTOR SHALL REPAIR CIRCUITS DISRUPTED BY DEMOLITION OR NEW CONSTRUCTION AS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO DOWNSTREAM DEVICES.

LINES
interiors + architecture

CONTRACT DOCUMENTS

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No. 104174
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4/27/21

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electrical
demolition plan

E1.1
April 27th, 2021
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COMcheck Software Version 4.1.5.1

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Bill Henson
Project Type: New Construction

Construction Site:
206 Gothic Court
Frankin, TN

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Office	94	0.71	67
		Total Allowed Watts =	67

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Office				
Linear Fluorescent 1: A: 48" T8 32W: Electronic:	2	1	56	56
		Total Proposed Watts =		56

Interior Lighting PASSES: Design 16% better than code

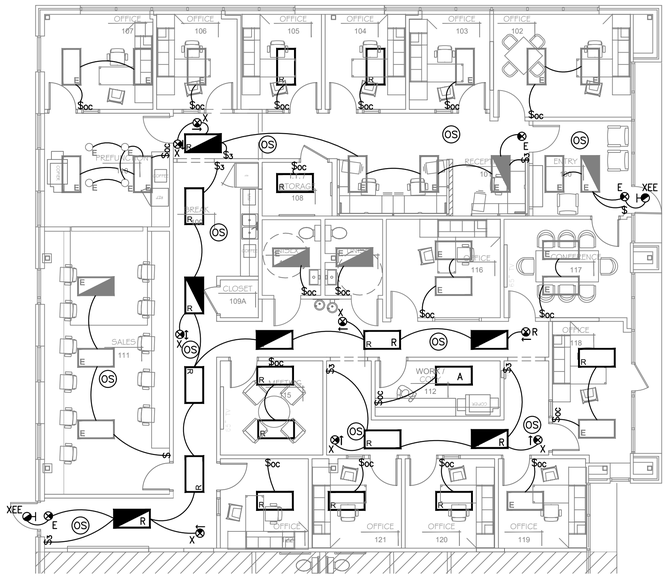
Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COM*check* Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

CHRIS BUCKNER P.E. — Name - Title
Signature
04.21.21 — Date

LIGHTING FIXTURE SCHEDULE

TYPE	MANUF.	MODEL	ELECTRICAL WATTS/FIXT	ELECTRICAL VOLT	LAMPS COLOR(K)	LAMPS LUMENS/LAMP	LAMPS QUANTITY	LAMPS DIMMABLE	MOUNTING TYPE	MOUNTING LOCATION	COMMENTS
A	MATCH EXISTING		56	120V	MATCH EXISTING				RECESSED	INTERIOR	MATCH EXISTING
X	MATCH EXISTING		-	120V	-	-	-		UNV	INTERIOR	EXIT SIGN WITH 90MIN BATTERY BACKUP
XEE	LITHONIA	AFB-PEL-DDBTXD-UVOLT-N-SDRT-WT-CW	-	120V	-	-	-		SURFACE	EXTERIOR	EXTERIOR EMERGENCY EGRESS FIXTURE WITH 90MIN BATTERY BACKUP



electrical lighting plan 1
8' 4' 0 8'

CIRCUITING SHOWN IS FOR SWITCHING PURPOSES ONLY. RECONNECT LIGHTING TO EXISTING LIGHTING CIRCUITS CURRENTLY SERVING THIS SPACE. FIELD VERIFY LOAD DOES NOT EXCEED 1920VA.

LINES interiors + architecture

CONTRACT DOCUMENTS

CHRISTOPHER E. BUCKNER ENGINEER No. 104174 STATE OF TENNESSEE 4/27/21

BILL HENSON
206 Gothic Court,
Suite 301 Franklin, TN

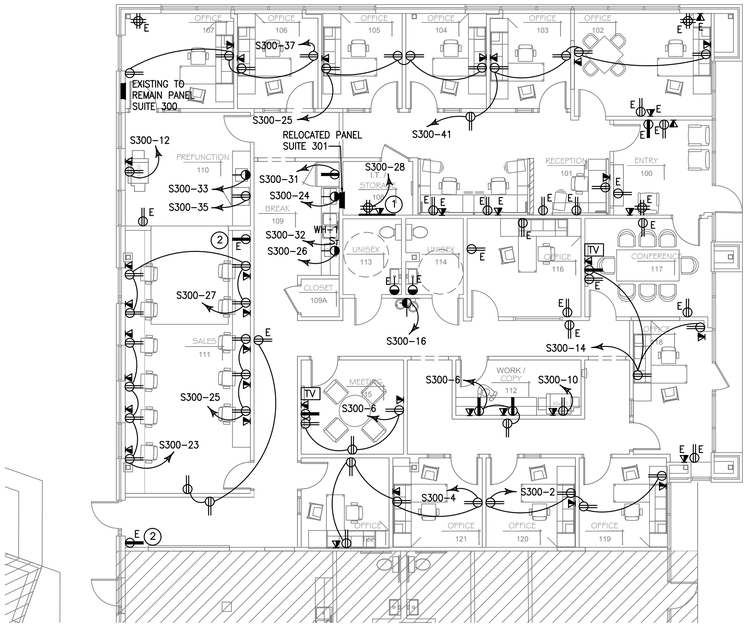
electrical lighting plan

E2.1
April 27th, 2021
MS4-2100

D F + H
SERVICES PLLC
PO BOX 120371
NASHVILLE, TN 37212
office@dfhservices.com
615.390.6131
615.207.4721
JOB # 21.145

(#) NOTES

1. PROVIDE A 4'X8'X3/4" PLYWOOD BACKBOARD FOR VOICE/DATA HEADEND EQUIPMENT.
2. CEILING MOUNTED RECEPTACLE TO REMAIN.



electrical power plan 1

8' 4' 0 8'

BRANCH CIRCUIT CONDUCTOR SCHEDULE

CONDUCTORS SHALL BE COPPER – ALUMINUM CONDUCTORS MAY ONLY BE USED WITH PRIOR WRITTEN APPROVAL BY ENGINEER OF RECORD. CONDUCTORS / CONDUITS SHALL BE SIZED ACCORDING TO THE FOLLOWING CHART UNLESS OTHERWISE NOTED.

CIRCUIT BREAKER	CU PHASE WIRE (AWG)	AL PHASE WIRE (AWG)	CU GROUND WIRE (AWG)	AL GROUND WIRE (AWG)	CU CONDUIT SIZE	AL CONDUIT SIZE
15	#12	–	#12	–	3/4"	3/4"
20	#12	–	#12	–	3/4"	3/4"
30	#10	–	#10	–	3/4"	3/4"
40	#8	–	#10	–	1"	1"
50	#8	–	#10	–	1"	1"
60	#6	#4	#10	#8	1"	1 1/4"
70	#6	#4	#8	#6	1"	1 1/4"
80	#4	#2	#8	#6	1 1/4"	1 1/4"
90	#4	#2	#8	#6	1 1/4"	1 1/4"
100	#3	#1	#8	#6	1 1/4"	1 1/2"
125	#1	#2/0	#6	#4	1 1/2"	2"
150	#1/0	#3/0	#6	#4	2"	2"
175	#2/0	#4/0	#6	#4	2"	2 1/2"
200	#3/0	#250	#6	#4	2"	2 1/2"
225	#4/0	#300	#4	#2	2 1/2"	3"
250	#250	#400	#4	#2	3"	3"
400	#500	#750	#3	#1	3 1/2"	4"
500	(2)#250	(2)#350	#2	#1/0	3"	3"

NOTES:

1. NEUTRAL CONDUCTOR (IF REQUIRED) SHALL BE THE SAME SIZE AS PHASE CONDUCTORS.
2. ALL LIGHTING CIRCUITS SHALL UTILIZE #10 AWG WIRE FOR VOLTAGE DROPS.
3. ALL HVAC OR OTHER CYCLICAL EQUIPMENT SHALL UTILIZE HACR TYPE CIRCUIT BREAKERS.
4. CONTRACTOR TO PROVIDE QUANTITY OF CONDUCTORS AS NECESSARY TO POWER LOADS.
5. CONDUIT SIZES BASES ON FOUR CONDUCTORS MAXIMUM. CONTRACTOR SHALL FOLLOW NEC GUIDELINES FOR DERATING AMPACITIES AND CONDUIT SIZES FOR ALL COMBINED CIRCUITS/HOMERUNS.
6. FOR ANY SIZE BREAKER NOT SHOWN ABOVE (EXAMPLE 25), USE THE CONDUIT AND WIRE SIZES FOR THE NEXT HIGHEST BREAKER INDICATED (EXAMPLE 30).

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CONTRACT DOCUMENTS

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STATE OF TENNESSEE
4/27/21

BILL HENSON
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electrical
power plan

E2.2
April 27th, 2021
MS4-2100

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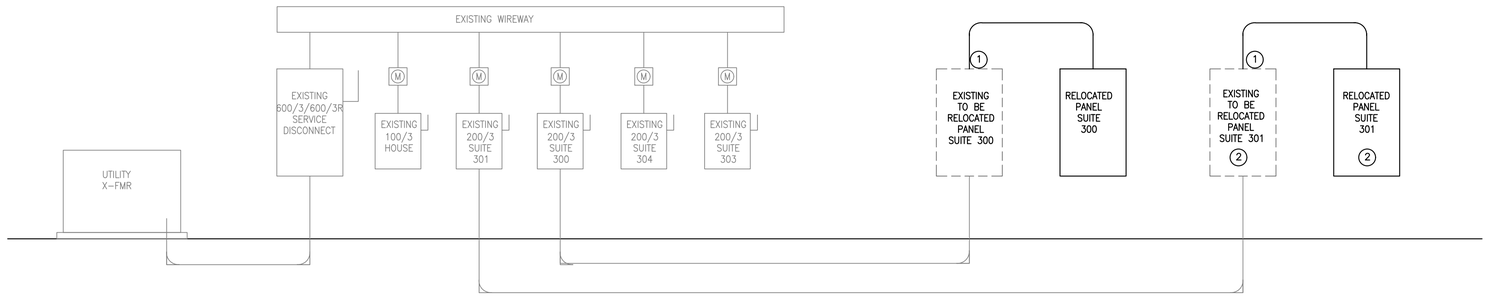
Panel	S300 (RELOCATED)				OC Type			CKT.BKR.				Voltage L-L			208
Device	MOLDED CASE				Enclosure			NEMA 1				Voltage L-N			120
Mounting	RECESSED				Mains			M.L.O.				Amperage			250
Served By	UTILITY				Feed Thru Lugs:			-				AIC or Avail Fault			EXISTING

Ckt No.	Description	CODE	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	CODE	Description	Ckt No.
1	Lighting	1	1500	Note 1	20	1	A	A	1	20	Note 2	720	3	Office 119 & 120 Recept	2
3	Lighting	1	1500	Note 1	20	1	B	B	1	20	Note 2	720	3	Office 121 & 122 Recept	4
5	Lighting	1	1500	Note 1	20	1	C	C	1	20	Note 2	720	3	Meeting 115 Recept	6
7	Existing	5	500	Note 1	20	1	A	A	1	20	Note 2	540	3	Work/Copy Recept	8
9	Existing	5	500	Note 1	20	1	B	B	1	20	Note 2	500	5	Copier	10
11	Existing	5	500	Note 1	20	1	C	C	1	20	Note 2	500	5	Copier	12
13	Existing	5	500	Note 1	20	1	A	A	1	20	Note 2	540	3	Office 118 Recept	14
15	Existing	5	500	Note 1	20	1	B	B	1	20	Note 2	800	5	Water Fountain	16
17	HVAC	9	5400	Note 1	45	3	C	C	3	45	Note 1	5400	9	HVAC	18
19	-	9	5400	-	-	-	A	A	-	-	-	5400	9	-	20
21	-	9	5400	-	-	-	B	B	-	-	-	5400	9	-	22
23	Sales 111 Recept	3	540	Note 2	20	1	C	C	1	20	Note 2	1100	5	Break 109 Microwave	24
25	Sales 111 Recept	3	720	Note 2	20	1	A	A	1	20	Note 2	1000	5	Break 109 Coffee	26
27	Sales 111 Recept	3	720	Note 2	20	1	B	B	1	30	Note 1	2000	2	Existing	28
29	SPARE	-	-	-	15	1	C	C	1	30	Note 1	2000	2	Existing	30
31	Break Ref	5	680	Note 3	20	1	A	A	1	20	Note 4	1650	2	WH-1	32
33	Prefunction 110 Coffee	5	1000	Note 4	20	1	B	B	-	-	-	-	-	Space	34
35	Prefunction 110 Ref	5	500	Note 4	20	1	C	C	-	-	-	-	-	Space	36
37	Office Recept 106 & 107	3	720	Note 4	20	1	A	A	-	-	-	-	-	Space	38
39	Office Recept 104 & 105	3	720	Note 4	20	1	B	B	-	-	-	-	-	Space	40
41	Office Recept 102 & 103	3	720	Note 4	20	1	C	C	-	-	-	-	-	Space	42

Phase A	19870 VA		
Phase B	19760 VA		
Phase C	18880 VA		
Total kVa=	58.5	Demand kVa	50.2
Total Amps	162.4	Demand Amps	139.2

NOTES:
1. Existing Breaker & Circuit.
2. Existing Breaker, New Circuit.
3. New GFCI Breaker & Circuit.
4. New Breaker & Circuit.



ELECTRICAL RISER DIAGRAM

(#) NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING FEEDER & EXTEND TO NEW PANEL LOCATIONS AS SHOWN.
2. EXTEND EXISTING CIRCUITS TO REMAIN IN SERVICE TO NEW PANEL LOCATION.

LEGEND

- EXISTING TO REMAIN (U.N.O.)
- EXISTING RELOCATED (U.N.O.)
- EXISTING TO BE RELOCATED (U.N.O.)

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CONTRACT DOCUMENTS

CHRISTOPHER E. BUCKNER — REGISTERED ENGINEER — No. 104174 — STATE OF TENNESSEE — 4/27/21

BILL HENSON
206 Gothic Court,
Suite 301 Franklin, TN

electrical
riser diagram

E3.1
April 27th, 2021
MS4-2100

GENERAL NOTES AND SPECIFICATIONS:

- ALL NEW SUPPLY DUCT SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL TO LATEST SMACNA STANDARDS. ALL DUCT DIMENSIONS ARE INSIDE CLEAR. SEAL ALL SEAMS AND JOINTS WITH HARDCAST WATER BASED SEALANT AND/OR HARDCAST TAPE.
- LOW PRESSURE SUPPLY DUCT - WRAP ALL DUCT WITH 2" THICK, 3/4 LB./CU.FT. DENSITY FIBERGLASS BLANKET. JOINTS SHALL BE SEALED WITH FOIL TAPE LISTED AND LABELED IN ACCORDANCE WITH UL 181A.
- IF NONE ARE PRESENT, PROVIDE NEW MANUAL VOLUME DAMPERS IN EXISTING BRANCH DUCTS THAT WILL BE RE-BALANCED. FIELD VERIFY PRIOR TO CONSTRUCTION.
- THERMOSTAT AND CONTROL CABLE TO BE PLENUM RATED.

BASIS OF DESIGN

COOLING	
OUTDOOR TEMP (DB. / WB.)	95°F / 78°F
INDOOR TEMP (DB/%RH.) - (+/-) 2°F / (+/-) 5%	72°F / 50%RH
HEATING	
OUTDOOR TEMP	10°
INDOOR TEMP - (+ / -) 2°F	70°
GENERAL	
WALLS (R-VALUE)	R-12
ROOF (R-VALUE)	R-11
GLASS (U-FACTOR / SHADING COEFF.)	0.4 / 0.45
PEOPLE	26
TOTAL SQUARE FEET (CONDITIONED)	4057
LIGHTING HEAT GAIN (WATTS PER SQFT.)	1
OCCUPANCY TYPE	OFFICE
VENTILATION RATE	5 CFM/PERSON / 0.06 CFM/SQFT

GENERAL ASSUMPTIONS:

- ALL EXISTING ROOF TOP UNITS ARE IN WORKING CONDITION.
- NO NEW ZONES WILL BE PROVIDED.

TEST AND BALANCE MANDATORY REQUIREMENTS

PERFORM TEST AND BALANCE OF MECHANICAL SYSTEMS ACCORDING TO PLANS AND SPECIFICATION IN STRICT ACCORDANCE WITH THE NATIONAL BALANCING COUNCIL (NBC) PRACTICAL STANDARDS, FORMS AND PROCEDURES.

UPON ARRIVAL AT JOB SITE, FOLLOW ALL INITIAL AIR PROCEDURES. SYSTEMS SHALL BE WALKED, INSPECTED, AND COMPARED TO PLANS AND SPECIFICATIONS. SYSTEMS, EQUIPMENT, AND ACCESSORIES SHALL BE COMPLETE AND VERIFIED OPERABLE. DEFICIENCIES, IF ANY, SHALL BE NOTED AND RESPONSIBLE PARTIES SHALL BE NOTIFIED.

PRIOR TO BALANCING THE MECHANICAL SYSTEM, THE BALANCING TECHNICIAN SHALL OBTAIN A REVIEWED COPY OF THE RELATED MECHANICAL SUBMITTAL AND UP TO DATE CONSTRUCTION DRAWINGS FOR USE IN THE BALANCING THE MECHANICAL SYSTEMS. THESE DOCUMENTS PROVIDE CRITICAL ENGINEERING DATA FOR THE SUCCESSFUL COMPLETION OF PRACTICAL TESTING PROCEDURES.

THE AIR CONDITIONING, HEATING AND VENTILATION SYSTEMS INCLUDING RELATED ELECTRICAL, PLUMBING, SHEET METAL, AND CONTROLS SYSTEMS ARE 100% COMPLETE AND OPERABLE BEFORE THE BALANCING IS TO BEGIN.

1. FANS AND PUMPS ARE POWERED AND OPERATING FREELY, ROTATING IN THE PROPER DIRECTION WITH ADEQUATE THERMAL OVERLOAD PROTECTION PER PLANS AND SPECIFICATIONS. ALL ELECTRICAL, PLUMBING AND OTHER MECHANICAL CONNECTIONS ARE MADE AND TESTED FOR SAFE OPERATION.
2. CONTROLS SHALL BE FULLY OPERABLE AND CONTROLS CONTRACTOR SHALL BE AVAILABLE DURING THE BALANCING PROCESS TO INTERPRET AND MANIPULATE SYSTEM SOFTWARE AND TO PROVIDE CONNECTIONS, SENSOR RELOCATION OR REQUIRED HARDWARE.
3. ALL MANUAL AND AUTOMATIC VOLUME DAMPERS AND VALVES, INCLUDING SMOKE AND FIRE DAMPERS ARE IN FULL OPEN POSITION, WITH HANDLES AND CONTROLS ACCESSIBLE.
4. DUCT SYSTEMS, FILTERS, STRAINERS AND COILS ARE TO BE IN NEW OR REFURBISHED CONDITION AND BE FREE OF CONSTRUCTION DEBRIS OR DEFECTS. DUCT SYSTEMS ARE TO BE COMPLETED INCLUDING END CAPS AND SEALED JOINTS. ACCESS DOORS SHALL BE INSTALLED, ACCESSIBLE, AND TIGHTLY SEALED.
5. ALL REGISTERS AND GRILLES SHALL BE OPERABLE AND TIGHTLY INSTALLED.

AIRFLOW VALUES INCLUDING FANS, REGISTERS AND GRILLES, OR AIR TERMINAL BOXES SHALL BE ADJUSTED TO PLUS OR MINUS 10% OF DESIGN FLOW. IF FLOWS ARE NOT OBTAINABLE, PROPORTIONALLY BALANCE SYSTEM AND NOTE POSSIBLE SYSTEM ISSUES.

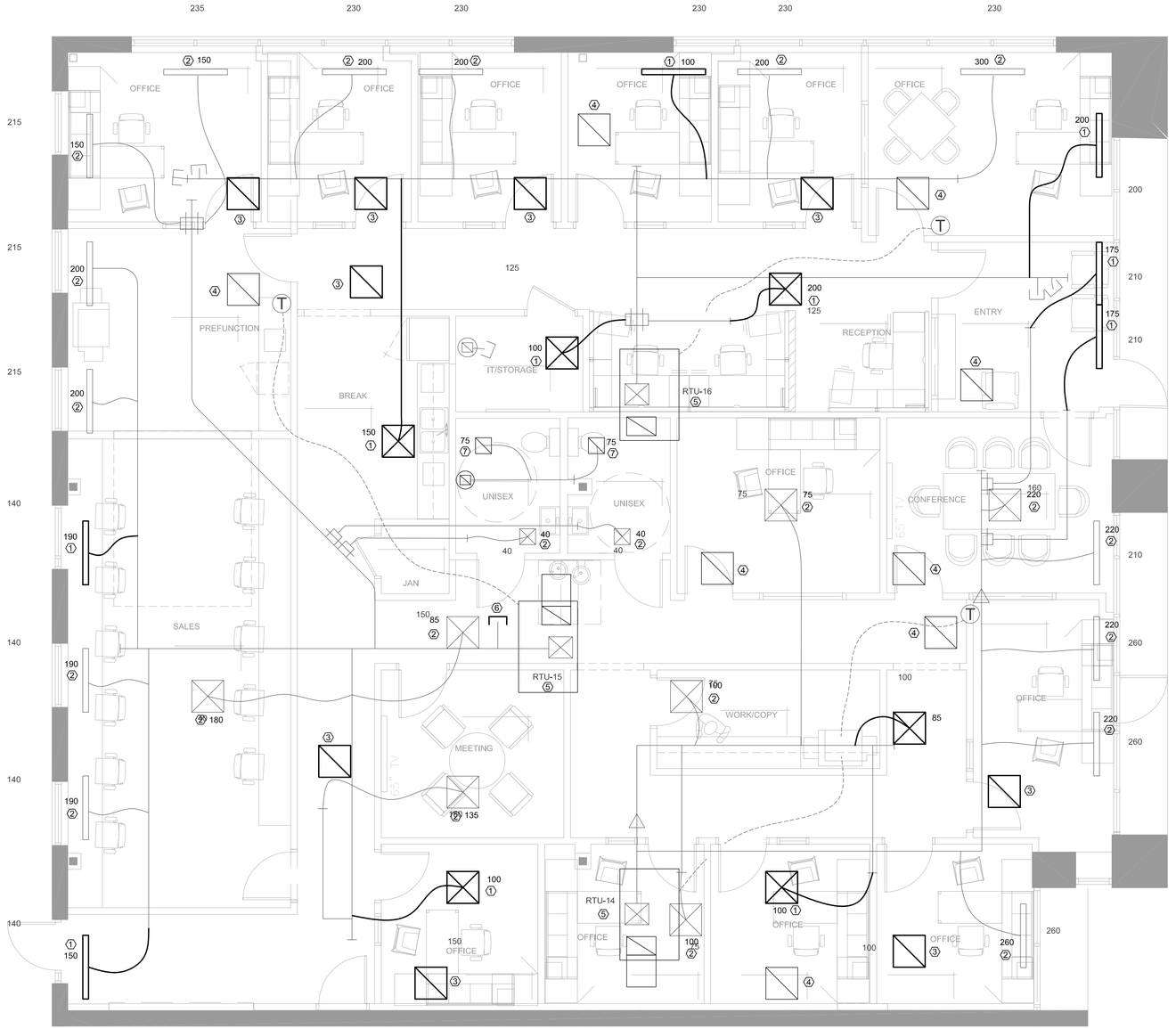
SINCE TEMPERATURE, PRESSURE, FAN OR PUMP SPEED, ELECTRICAL VALUES AND SOME EFFICIENCIES ARE A RESULT OF FLOWS SET IN THE SYSTEM, ANY VARIANCES OF PLUS OR MINUS 10% OF DESIGN SHALL BE NOTED ON THE FINAL REPORTS.

SYSTEM TESTED OR CALCULATED VALUES SHALL BE ENTERED WITH ACCURACY AND INTEGRITY ON THE FINAL BALANCING REPORTS.

PERMANENTLY MARK AND RECORD MECHANICAL SYSTEMS AND CONTROL SETTINGS ONCE FINAL OR PROPORTIONAL BALANCE HAS BEEN ACHIEVED. MARK AND FASTEN MECHANICAL ADJUSTMENTS TO ASSURE FIXED OPERATION.

UPON COMPLETION, ASSURE SYSTEMS ARE IN PROPER WORKING ORDER AND THAT ALL CONTROLS HAVE BEEN RETURNED TO NORMAL OPERATING CONDITIONS.

TEST AND BALANCE REPORTS SHALL BE ON NBC FORMS AND SHALL BE AN ACCURATE RECORD OF THE TEST DATA COLLECTED USING CORRESPONDING TEST PROCEDURES.



DX UNIT SCHEDULE

ACCESSORIES: (1) EXISTING UNIT - BALANCE TO SCHEDULED CFM

DESIGNATION	RTU-14	RTU-15	RTU-16
TOTAL CFM	2000	2000	1600
O.A. CFM	160	150	115
ACCESSORIES	(1)	(1)	(1)

NOTE: CLEAN ALL EXISTING SUPPLY DIFFUSERS AND RETURN GRILLES, REPLACE DIFFUSERS OR GRILLES THAT ARE RUSTED OR DAMAGED WITH NEW UNITS OF EQUIVALENT SIZE AND STYLE.

KEY NOTES:

1. EXISTING SUPPLY GRILLE RELOCATED. BALANCE TO CFM SHOWN.
2. EXISTING SUPPLY GRILLE. BALANCE TO CFM SHOWN.
3. EXISTING RETURN GRILLE RELOCATED.
4. EXISTING RETURN GRILLE.
5. EXISTING UNIT TO REMAIN
6. CAP AND SEAL EXISTING SUPPLY DUCT AS REQUIRED
7. EXISTING EXHAUST GRILLE. BALANCE TO CFM SHOWN.

NEW WORK LEGEND

- EXISTING TO REMAIN
- NEW WORK
- TIE TO EXISTING

NORTH

MECHANICAL FLOOR PLAN

1/4" 0 2' 4' 8'

REV.	DATE

LEE COMPANY
4057 Rural Plains Circle Franklin, TN 37067
Phone 615-567-1500

GREGORY L. HENSON — TENNESSEE REGISTERED ENGINEER — AGRICULTURE — 11/27/21 — COMMERCE — No. 106806 — STATE OF TENNESSEE

RENOVATION

BILL HENSON OFFICE

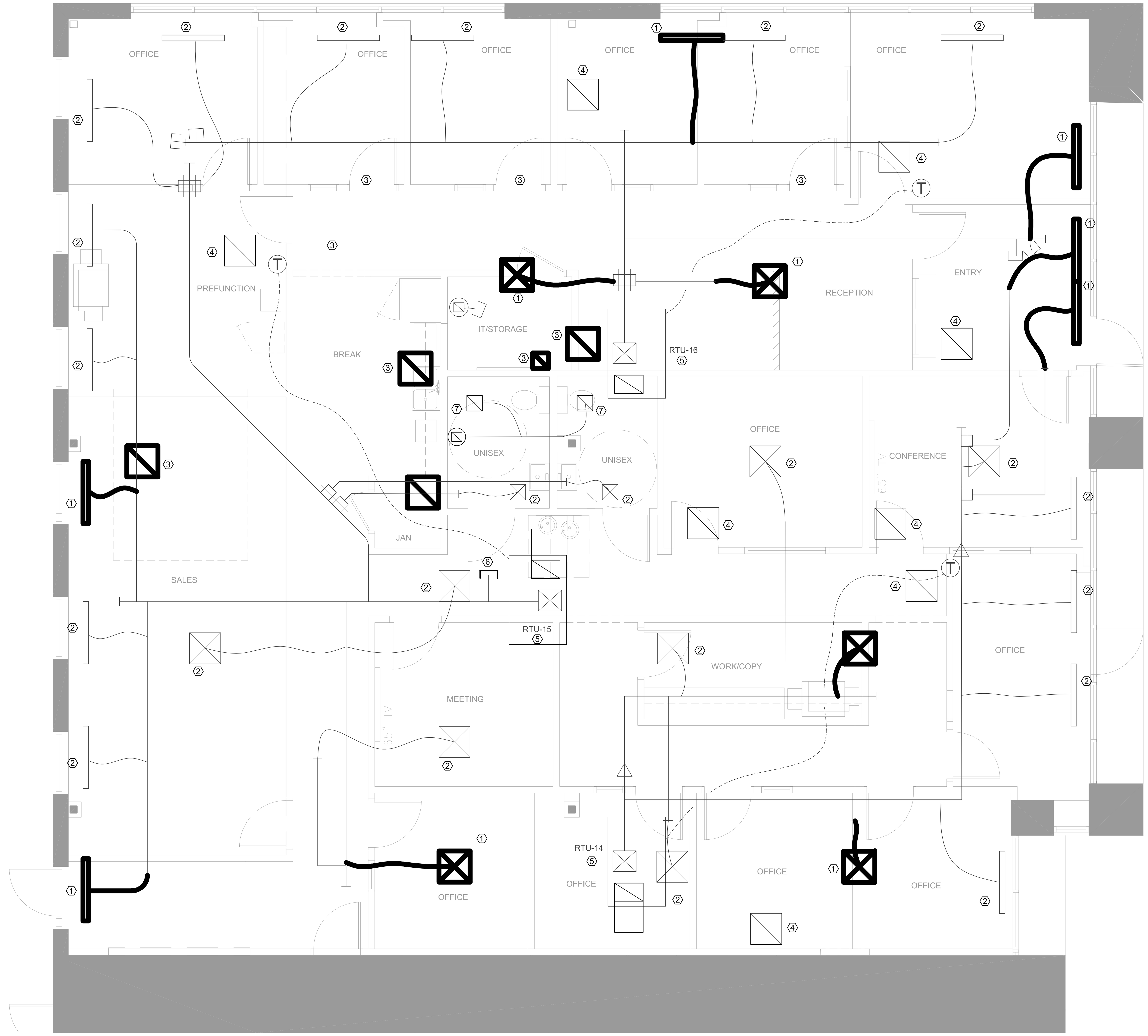
206 GOTHIC COURT, SUITE 301
FRANKLIN, TN 37067

CONSTRUCTION DOCUMENTS

DRAWN BY:	JCB
CHECKED BY:	GLH
MECHANICAL FLOOR PLAN	

DRAWING DATE:	04/27/2021
JOB NUMBER:	2021-30-0253
ENGINEERING NUMBER:	E-2021-104

M1.0



DEMOLITION LEGEND	
—	EXISTING TO REMAIN
▬	DEMO

NOTE: CLEAN ALL EXISTING SUPPLY DIFFUSERS AND RETURN GRILLES. REPLACE DIFFUSERS OR GRILLES THAT ARE RUSTED OR DAMAGED WITH NEW UNITS OF EQUIVALENT SIZE AND STYLE.

KEY NOTES:

1. EXISTING SUPPLY GRILLE TO BE RELOCATED. SEE DRAWING M1.0 FOR NEW LOCATION.
2. EXISTING SUPPLY GRILLE TO REMAIN. SEE DRAWING M1.0 FOR NEW BALANCING INFORMATION.
3. EXISTING RETURN GRILLE TO BE RELOCATED. SEE DRAWING M1.0 FOR NEW LOCATION.
4. EXISTING RETURN GRILLE TO REMAIN.
5. EXISTING UNIT TO REMAIN.
6. CAP AND SEAL EXISTING SUPPLY DUCT AS REQUIRED
7. EXISTING EXHAUST GRILLE TO REMAIN. SEE M1.0 FOR BALANCING INFORMATION.

NORTH

MECHANICAL DEMO PLAN

1/4" 0 2' 4' 8'

REV.	DATE

LEE COMPANY
4057 Rural Plains Circle Franklin, TN 37067
Phone 615-567-1000

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COMMERCE
No. 106885
STATE OF TENNESSEE
4/27/21

RENOVATION

BILL HENSON OFFICE

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FRANKLIN, TN 37067

CONSTRUCTION DOCUMENTS

DRAWN BY:	JCB
CHECKED BY:	GLH
MECHANICAL DEMO PLAN	

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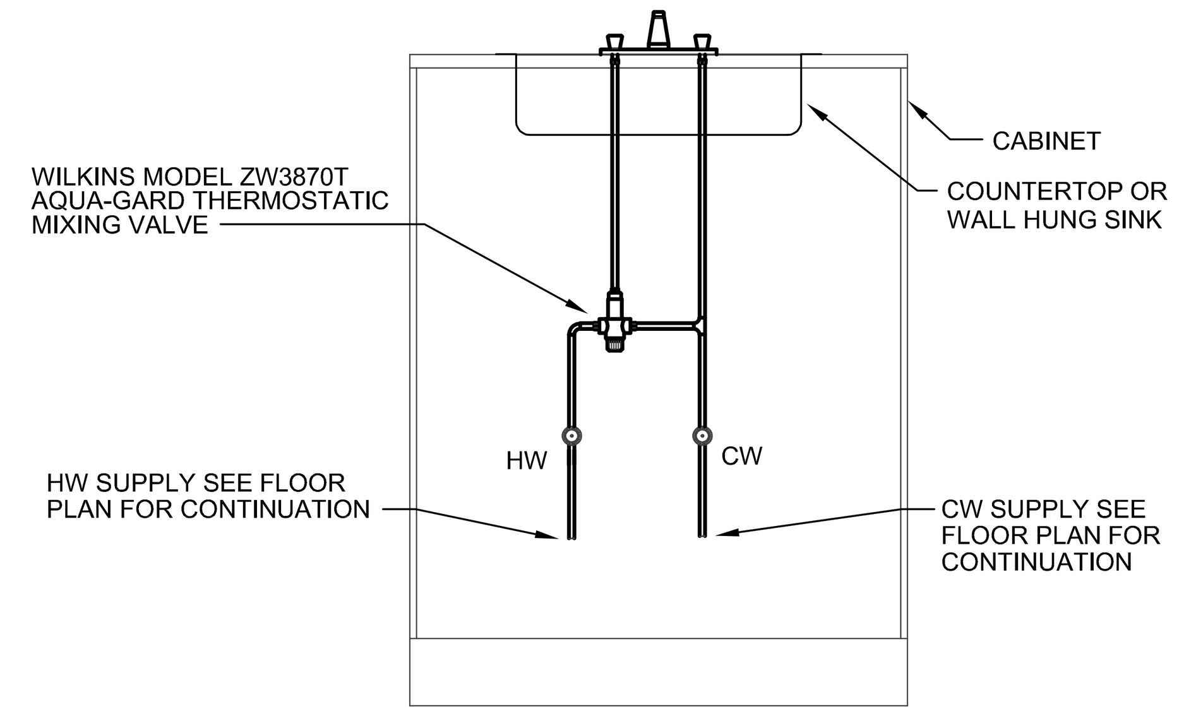
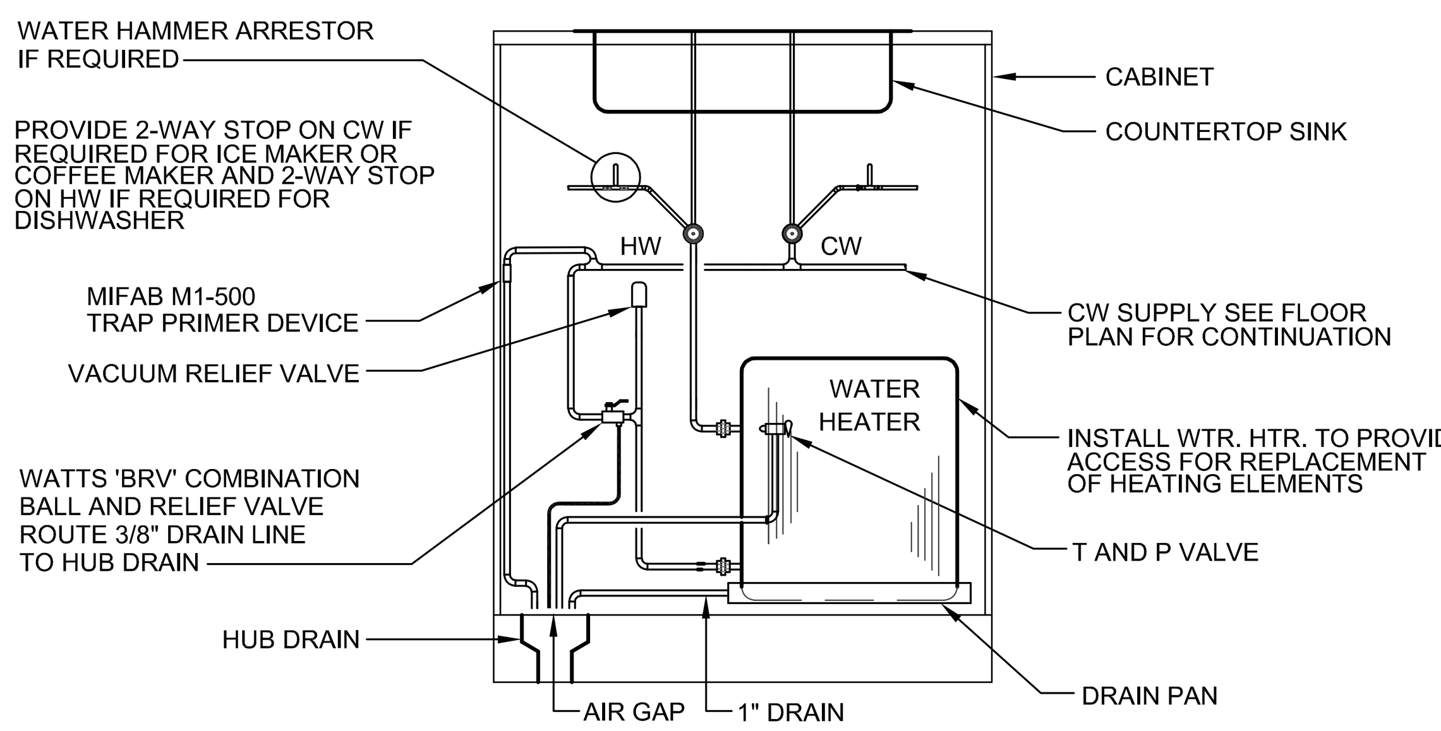
MD1.0



POINT OF USE MIXING VALVE DETAIL

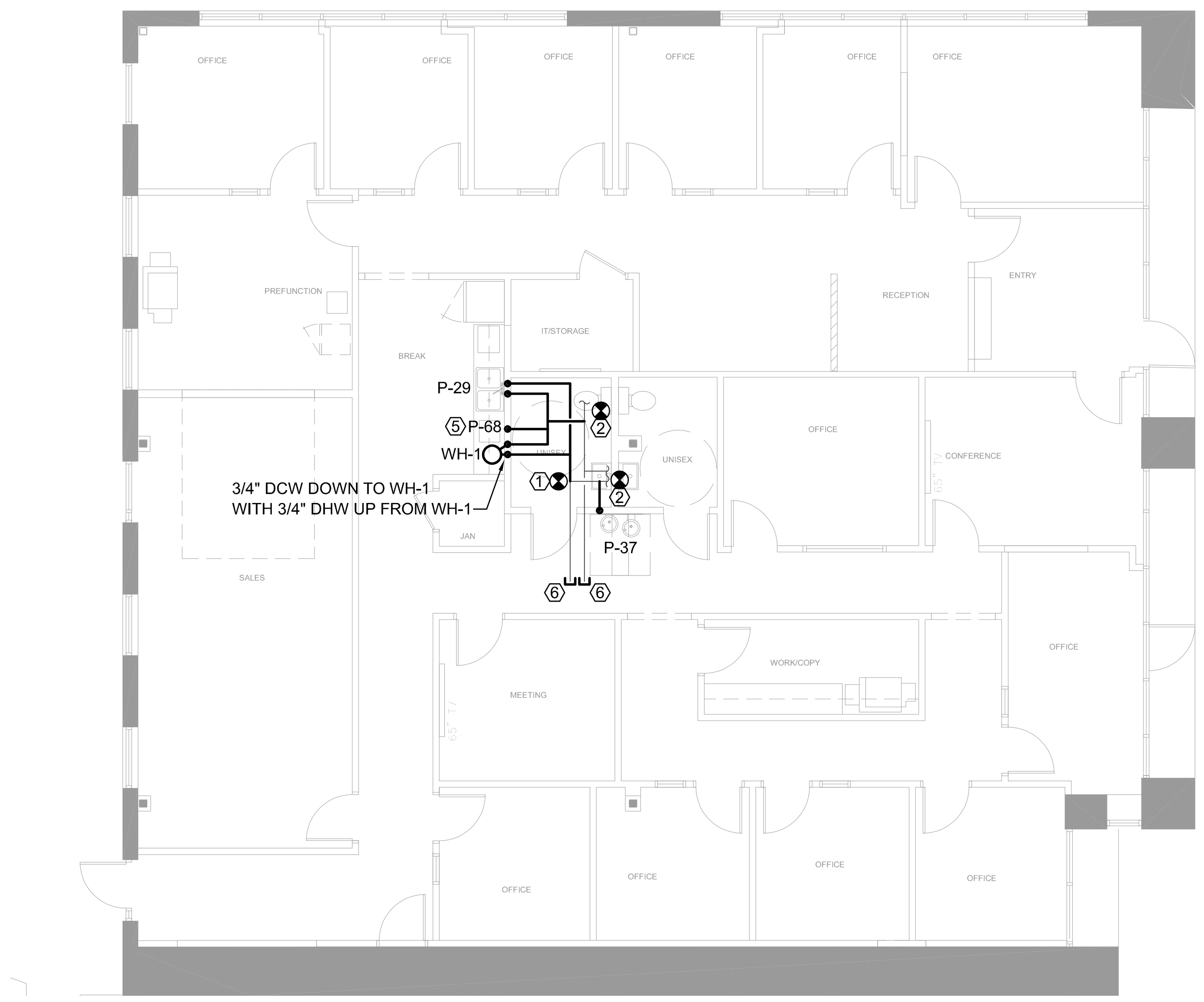
NO SCALE



NOTE:
PROVIDE A SIOUX CHIEF MODEL 660 TC0B WATER HAMMER ARRESTOR FOR ICE MAKER HOOKUPS AND A SIOUX CHIEF MODEL 660 TC1B WATER HAMMER ARRESTOR FOR DISHWASHERS PROVIDE A WILKINS MODEL 740-C 3/8" FLARE DUAL CHECK VALVE FOR COFFEE MAKER, WATER DISPENSER, FREE STANDING ICE MAKER, OR COUNTER TOP ICE MAKER.

UNDER COUNTER WATER HEATER DETAIL

NO SCALE



DOMESTIC WATER FLOOR PLAN

SANITARY FLOOR PLAN

GENERAL NOTES AND SPECIFICATIONS:

DOMESTIC

- ALL PRODUCTS USED FOR DISPENSING POTABLE DOMESTIC DRINKING WATER MUST BE LEAD FREE AND MEET THE REQUIREMENTS OF NSF 61 AND NSF 372 TEST STANDARDS VIA THIRD PARTY TESTING AND CERTIFICATION.
- ALL HORIZONTAL PRESSURE PIPING SHALL BE RUN ABOVE CEILING ON THE PLAN ON WHICH SHOWN UNLESS OTHERWISE NOTED.
- PROVIDE NON-CONDUCTING DIELECTRIC CONNECTIONS WHEREVER DISSIMILAR METALS ARE JOINED.
- ALL NEW DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER WITH LEAD FREE SOLDER CONNECTIONS AND/OR MECHANICAL CONNECTIONS EQUIVALENT TO VIEAGA PRO PRESS.
- ALL NEW DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1/2" FIBERGLASS INSULATION WITH KRAFT PAPER JACKET.

SANITARY AND VENT

- ALL WASTE AND VENT PIPING SHALL BE INSTALLED PER THE FOLLOWING:
  SLOPE WASTE PIPING SMALLER THAN 3" AT 1/4" PER FOOT
  SLOPE WASTE PIPING 3" AND LARGER AT 1/8" PER FOOT
- ALL NEW UNDERGROUND SANITARY PIPE SHALL BE TYPE SCHEDULE 40 SOLID WALL DWV WITH SOLVENT WELD CONNECTIONS. ALL NEW ABOVE GROUND SANITARY AND VENT SHALL BE TYPE SCHEDULE 40 NO HUB CAST IRON WITH NO HUB BAND STYLE CONNECTIONS.

GENERAL

- MAINTAIN ACCESSIBILITY OF VALVES, ARRESTORS, CLEANOUTS, ..ETC. AND OTHER COMPONENTS REQUIRING PERIODIC UTILIZATION, INSPECTION OR REPAIR. PROVIDE ACCESS PANELS WHERE NECESSARY.
- ANY EXISTING PIPING OR EQUIPMENT NOT SHOWN OR NOTED ON THESE DRAWINGS ARE TO REMAIN.
- EXISTING SERVICES INDICATED ON THESE DRAWINGS WERE DERIVED FROM LIMITED FIELD OBSERVATION. THESE DRAWINGS MAY NOT BE ALL INCLUSIVE OF SERVICES THAT EXIST IN THE PROJECT AREA. FIELD VERIFY EXISTING SERVICES, LOCATIONS, TYPE, AND SIZE PRIOR TO ANY WORK.
- PIPING AND CONDUIT PENETRATIONS THRU FIRE RATED ASSEMBLIES (I.E. FLOORS, WALLS, CEILINGS, ETC.) SHALL BE INSTALLED WITH U.L. LISTED FIRESTOP SYSTEMS PER UBC REQUIREMENTS.
- PROVIDE HANGERS, BRACES, INTERMEDIATE FRAMING SUPPORTS, ANCHORS AND MISCELLANEOUS DEVICES REQUIRED FOR PIPE AND EQUIPMENT INSTALLATIONS.
- EXTEND EXISTING PIPING INSTALLATIONS USING MATERIALS AND METHODS COMPATIBLE WITH EXISTING INSTALLATIONS.
- ENTIRE PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH CURRENT IPC AND LOCAL ADOPTED AMENDMENTS.

PLUMBING FIXTURE SCHEDULE

DESIGNATION		DESCRIPTION		WASTE	CW	HW	FLOWRATE
P-29	*	DOUBLE COMPARTMENT S.S. SINK WITH FAUCET-SPRAY 33"x22" 20 Ga.		1-1/2"	1/2"	1/2"	2.20 GPM
		BASIS OF DESIGN:	PROFLO MODEL PFT332274 DOUBLE BOWL SINK W/ ZURN MODEL ZZ7872CXL				
			CHROME KITCHEN FAUCET AND ZURN BASKET, P-TRAP, LAVATORY SUPPLY				
			AND WASTE CONNECTOR				
		ALTERNATES ACCEPTABLE W/ APPROVAL					
P-37		WALL HUNG WATER COOLER		1-1/4"	1/2"	–	8.00 GPH
		BASIS OF DESIGN:	ELKAY MODEL EEZSTL8LC WALL HUNG WATER COOLER W/ ZURN P-TRAP, LAVATORY				
			SUPPLY AND ZURN ZZ1225 PLATE TYPE CARRIER				
		ALTERNATES ACCEPTABLE W/ APPROVAL					
P-68		ICE MAKER VALVE BOX WITH ARRESTOR		–	1/2"	–	–
		BASIS OF DESIGN:	IPS CORP MODEL 87978 LF IMOB 1/4 TURN VALVE - 1/2" SWEAT CONX W/ HAMMER				
			ARRESTER				
		ALTERNATES ACCEPTABLE W/ APPROVAL					

* REQUIRES ASSE 1070 APPROVED THERMOSTATIC MIXING VALVE

ELECTRIC WATER HEATER SCHEDULE

DESIGNATION	WH-1
MANUFACTURER	LOCHINVAR
MODEL NO.	JRC006DS
NO. REQUIRED	1
E.W.T. (°F)	40
L.W.T. (°F)	120
STORAGE CAP. (GAL.)	6
FLOW RECOVERY (GPH)	7.5
TANK HEIGHT (IN.)	15 1/4"
TANK DIAMETER (IN.)	14 1/4"
NO. ELEMENTS	1
INPUT PER ELEMENT (KW)	1.65
ELECTRICAL VOLTAGE	120-1-60
REMARKS	-UTILIZE SIDE CONNECTION INLET AND OUTLET

KEY NOTES:

1. TIE NEW 3/4" DHW TO EXISTING DHW IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO CONNECTION.
2. TIE NEW 3/4" DHW TO EXISTING DCW IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO CONNECTION.
3. TIE NEW 2" SANV TO THE EXISTING SANV IN THIS APPROXIMATE LOCATION.
4. TIE NEW 2" SAN TO EXISTING SAN IN THIS APPROXIMATE LOCATION.
5. P-68 FOR COFFEE MAKER. PROVIDE FARED DOUBLE CHECK FOR THEN CONNECT TO OWNER PROVIDED COFFEE MAKER.
6. CAP DOMESTIC WATER LEAVING THE AREA AS SHOWN FOR TENANT SEPARATION.

NEW WORK LEGEND

—	EXISTING TO REMAIN
—	NEW WORK
●	TIE TO EXISTING

NORTH

PLUMBING FLOOR PLANS

1/8" 0 4' 8' 16'

REV.	DATE

LEE COMPANY
4057 Rural Plains Circle Franklin, TN 37067
Phone 615-567-1000

GREGORY L. HENSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 106885
STATE OF TENNESSEE
4/27/21

RENOVATION

BILL HENSON OFFICE

206 GOTHIC COURT, SUITE 301
FRANKLIN, TN 37067

CONSTRUCTION DOCUMENTS

DRAWN BY:	JCB
CHECKED BY:	GLH
MECHANICAL DEMO PLAN	

DRAWING DATE:
04/27/2021
JOB NUMBER:
2021-30-0253
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P1.0