August 3rd, 2020

Joe Frogge MCP
Building Plans Examiner
City of Lee's Summit
Codes Administration
City Hall
220 SE Green Street
Lee's Summit MO 64043



ACI/BOLAND, INC. – KANSAS CITY 1710 Wyandotte St. Kansas City, Missouri 64108 T. 816.763.9600

RE: St Luke's East Hospital MRI REPLACEMENT Permit No: PRCOM20202038 80 NE Saint Luke's Blvd, Lee's Summit. MO 64086

Dear Joe:

The following is our response to your review of the referenced project dated July 29, 2020

We have also included updated plans that address responses to your review comments.

Building Plan Review

1. Incomplete information to complete review.

Provide the following:

- Complete UL detail information for rated smoke barrier construction including nail/screw patterns.
- Fire rating of door 1C147. (or clarify demo plan calls for reuse of existing while new floor plan shows as new.)
- Penetration details.
- Clarify how rating is maintained at new zone valve box.

Response:

- -ADDED UL detail U465 to sheet A0.2
- -Door 1C147 to be new 45 min rated as noted on A2.1. AD demo note #10 states only door hardware to be reused. Existing hardware will be installed in new 45 min rated door.
- -ADDED UL W-L 1512 penetration detail to sheet A0.2
- -ADDED 5-sided zone valve box detail to sheet A0.2
- 2. ICC A117.1 Section 404.2.3.2 Swinging Doors and gates. Swinging doors and gates shall have maneuvering clearances complying with Table 404.2.3.2.

Action required: Provide minimum door maneuvering clearance at MRI side of door 1C145

<u>Response</u>: The item that is being reference that's within the 5' ADA clearance is the "FlexTrak" (FT) mobile patient table. It is only shown there as that's the position it is in when the patient is transferred from it to the MRI table. Basically, it's a "MRI gurney" and will be moved away from the MRI when not needed. Additional note to clarify MRI layout added to sheet A2.1. Door clearance shown on A2.1.

3. 2017 NEC Article 517.13 Grounding of Receptacles and Fixed Electrical Equipment in Patient Care Spaces. Wiring inpatient care spaces shall comply with 517.13(A) and (B).

- (A) Wiring methods. All branch circuits serving patient care spaces shall be provided with an effective ground-fault current path by installation in a metal raceway system, or a cable having a metallic armor or sheath assembly. The metal raceway system, metallic cable armor, or sheath assembly shall itself qualify as an equipment grounding conductor in accordance with 250.118.
- (B) Insulated Equipment Grounding Conductors and Insulated Equipment Bonding Jumpers.
- (1) General. The following shall be directly connected to an insulated copper equipment grounding conductor that is clearly identified along its entire length by green insulation and installed with the branch circuit conductors in the wiring methods as provided in 517.13(A).
- 1. The grounding terminals of all receptacles other than isolated ground receptacles.
- 2. Metal outlet boxes, metal device boxes, or metal enclosures.
- 3. All non-current-carrying conductive surfaces of fixed electrical equipment likely to become energized that are subject to personal contact, operating at over 100 volts. (see code for exceptions)
- (2) Sizing. Equipment grounding conductors and equipment bonding jumpers shall be sized in accordance with 250.122.

Action required: Modify drawings to show that all circuits in patient care areas will have redundant ground system.

Response:

- 1. ADDED Electrical Power General Note #7 to clarify grounding requirements. All changes have been clouded on revised sheet EP2.1, rev. 3.
- 2. REVISED location of sink, and REVISE two (2) receptacles within 6' of new sink location to be GFCI type. All changes have been clouded on revised sheet EP2.1, rev. 3.
- 3. REVISED keyed notes #9 and #11 to coordinate exact locations of Philips equipment with Philips, to allow for installation of new sink. All changes have been clouded on revised sheet EP2.1, rev. 3.

Licensed Contractors

1. Lee's Summit Code of Ordinance, Section7-130.10 - Business License. It shall be unlawful for any person to engage in the construction contracting business without first obtaining a business license as required under the applicable provisions of Chapter 28 of the Lee's Summit Code of Ordinances.

Action required: Either a Class A or Class B license is required. Provide the name of the licensed general contractor.

Response: Noted. Contractor will provide prior to picking up permit.

2. Lee's Summit Code of Ordinance, Section7-130.4 - Business License. (excerpt) No person, other than a licensed contractor or employees of a licensed contractor, shall engage in electrical, plumbing or mechanical business, construction, installation or maintenance unless duly licensed in accordance with this section.

Action required: MEP subcontractors are required to be listed on permit. Provide company names of licensed MEP contractors.

Response: Noted. Contractor will provide prior to picking up permit.

Fire Plan Review

3. 2018 IFC 907.1.1- Construction documents. Construction documents for fire alarm systems shall be submitted for review and approval prior to system installation. Construction documents shall include, but not be limited to, all of the following: 1. A floor plan which indicates the use of all rooms. 2. Locations of alarm-initiating and notification appliances. 3. Alarm control and trouble signaling equipment. 4. Annunciation. 5. Power connection. 6. Battery calculations. 7. Conductor type and sizes. 8. Voltage drop calculations. 9. Manufacturers, model numbers and listing information for equipment, devices and materials. 10. Details of ceiling height and construction. 11. The interface of fire safety control functions. (Informational Purposes) Any modifications to the fire alarm system, provide PE stamped electronic shop drawings to mike.weissenbach@cityofls.net

<u>Response</u>: Noted. If any modifications are required, contractor will submit 3 sets of fire sprinkler shop drawings for review.

2. 2018 IFC 901.2- Construction documents. The fire code official shall have the authority to require construction documents and calculations for all fire protection systems and to require permits be issued for the installation, rehabilitation or modification of any fire protection system. Construction documents for fire protection systems shall be submitted for review and approval prior to system installation. (Informational Purposes) Any modifications to the fire sprinkler system, provide PE stamped electronic shop drawings to mike.weissenbach@cityofls.net

<u>Response</u>: Noted. If any modifications are required, contractor will submit 3 sets of fire sprinkler shop drawings for review.

3. 2018 IFC 901.5- Installation acceptance testing. Fire detection and alarm systems, fire-extinguishing systems, fire hydrant systems, fire standpipe systems, fire pump systems, private fire service mains and all other fire protection systems and appurtenances thereto shall be subject to acceptance tests as contained in the installation standards and as approved by the fire code official. The fire code official shall be notified before any required acceptance testing. The fire code official shall be notified 48 hours before any required acceptance test. (Informational Purposes) Call (816)969-1300 to schedule testing.

Response: Noted. Contractor has been notified to schedule test.

4. (Verified At Inspection) Provide a non-ferrous fire extinguisher in the existing fire extinguisher cabinet.

<u>Response</u>: Noted. Contractor has been notified to provide/confirm a non-ferrous fire extinguisher has been provided in the existing fire extinguisher cabinet.

Sincerely,

ACI/BOLAND, INC.

Ashlee Deck Project Architect

Enclosures: A0.2, A2.1, EP2.1

cc: TJ Steinkirchner – St. Luke's CM

File 3-20037

BXUV - Fire Resistance Ratings - ANSI/UL 263 BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design No. U465 August 25, 2016 Nonbearing Wall Rating - 1 HR. Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such

> 1. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

2 3 4 5

1A. Framing Members* — Floor and Ceiling Runners — (Not Shown) — As an alternate to Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP. BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System UNITED METAL PRODUCTS INC — Type SUPREME Framing System

1B. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

CRACO MFG INC — SmartTrack20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC. 1D. **Framing Members*** — **Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

STEEL STRUCTURAL PRODUCTS L L C - Tri-S ProTRAK

tem 2E and 41 only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 n. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1F. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. KIRII (HONG KONG) LTD — Type KIRII

LG. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 through 1F — For use with tem 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

TELLING INDUSTRIES L L C — Viper20™ Track 2. **Steel Studs** — Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height. 2A. **Framing Members* — Steel Studs —** As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV - Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System SCAFCO STEEL STUD MANUFACTURING CO - Type SUPREME Framing System

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper20 $^{\text{TM}}$

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20TM

2D. **Framing Members* — Steel Studs —** As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs CLARKDIETRICH BUILDING SYSTEMS - CD ProSTUD

DMFCWBS L L C - ProSTUD MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2E. Framing Members* — Steel Studs — As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height. TELLING INDUSTRIES L L C - TRUE-STUD $^{\text{TM}}$

KIRII (HONG KONG) LTD - Type KIRII

2G. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 through 2F — For use with Item 1G. Proprietary channel shaped studs, minimum 3-5/8 in. wide, Studs to be cut 1/2 in. less than the assembly height.

TELLING INDUSTRIES L L C — Viper20™

2K. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1B (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. **Batts and Blankets*** — (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.

applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product. **U S GREENFIBER L L C** — INS735& INS745 for use with wet or dry application. INS765LD and INS770LD are to be used

3B. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 3) and Item 3A — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

product. The minimum dry density shall be 4.30 lbs/ft³. INTERNATIONAL CELLULOSE CORP — Celbar-RL

3D. Batts and Blankets* — For use with Item 8. Nom 3 in. thick, minimum 3.4 pcf mineral wool batts, friction fit See Batts and Blankets (BZJZ) category for names of manufacturers. 3E. **Batts and Blankets*** — For use with Item 4P. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies. **ACADIA DRYWALL SUPPLIES LTD** — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO - Type DBX-1

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX) CERTAINTEED GYPSUM INC - Types 1, EGRG, GlasRoc, Type X, Type X-1, Type C, SilentFX, 5/8" Easi-Lite Type X CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C - Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW-G, FSW-G, FSW-3, FSW-5, FSW-6, FSW-8, FSI

PANEL REY S A — Types GREX, PRC, PRC2, PRX, RHX, MDX, ETX

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

CERTAINTEED GYPSUM INC — Type X, Type X-1, Type C, Type EGRG/ GlasRoc

THAI GYPSUM PRODUCTS PCL — Type X, Type C

UNITED STATES GYPSUM CO - Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint USG BORAL ZAWAWI DRYWALL L L C SFZ — Types C, SCX

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX) 4A. **Gypsum Board*** — (As alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor runner with 1 in. long Type 5 steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C - Types LGFC2A, LGFC-6A, LGFC-C/A, LGFC-WD

USG BORAL ZAWAWI DRYWALL L L C SFZ — Types C, SCX

UNITED STATES GYPSUM CO - Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint

 $\begin{tabular}{ll} \textbf{USG MEXICO S A DE C V} - \textbf{Type AR, C, } \textbf{IP-AR, } \textbf{IP-XI, } \textbf{IP-X2, } \textbf{IPC-AR, } \textbf{SCX, } \textbf{SHX, } \textbf{USGX, } \textbf{WRC } \textbf{or } \textbf{WRX } \textbf{(} \textbf{Joint tape } \textbf{and } \textbf{compound, } \textbf{Item 5, } \textbf{optional for use with } \textbf{Type } \textbf{USGX)} \end{tabular}$ 4B. **Gypsum Board*** — (As an alternate to Items 4 or 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.

CGC INC — Types AR, IP-AR **UNITED STATES GYPSUM CO** — Types AR, IP-AR

THAI GYPSUM PRODUCTS PCL — Type X, Type C

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

4C. **Gypsum Board*** — As an alternate to Items 4, 4A, and 4B — Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing. **GEORGIA-PACIFIC GYPSUM L L C** − Type DGG, GreenGlass Type X

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSL, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSMR-C

4E. **Gypsum Board*** — (As an alternate to Items 4 through 4D) — Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 8 in. OC. Not to be used with item 6. $\textbf{NATIONAL GYPSUM CO} - \mathsf{SoundBreak XP Type X Gypsum Board}$

4F. **Gypsum Board*** — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at ${f RAY-BAR}$ ${f ENGINEERING}$ ${f CORP}$ — Type RB-LBG

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C - Type LGFC6A, LGFC-C/A

NATIONAL GYPSUM CO — Types FSW

UNITED STATES GYPSUM CO — Type SCX USG BORAL ZAWAWI DRYWALL L C SFZ — Type SCX

4H. **Gypsum Board*** — (As an alternate to Items 4 through 4G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. ${\bf PABCO~BUILDING~PRODUCTS~L~L~C,~DBA~PABCO~GYPSUM}-{\it Type~QuietRock~ES} \\$

 ${\bf MAYCO\ INDUSTRIES\ INC}-{\bf Type\ X-Ray\ Shielded\ Gypsum}$

CGC INC — Type ULX

UNITED STATES GYPSUM CO - Type ULX

USG MEXICO S A DE C V — Type ULX

wall. For direct attachment only to steel studs Item ZC). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertically, loints centered over studs and staggared min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound.

 ${f CERTAINTEED}$ ${f GYPSUM}$ ${f INC}$ — Type FRPC, Type C

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C - Type LGFC-C/A

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

THAI GYPSUM PRODUCTS PCL - Type C **UNITED STATES GYPSUM CO** — Types C, IP-X2, IPC-AR

USG BORAL ZAWAWI DRYWALL L L C SFZ — Type C **USG MEXICO S A DE C V** — Types C, IP-X2, IPC-AR

4N. **Wall and Partition Facings and Accessories*** — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type QuietRock 527

40. **Gypsum Board*** — As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing, Horizontal joints on the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall. NATIONAL GYPSUM CO — Type FSW

When attached to item 6 (resilient channels) or 6A, 6B or 6C (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC. UNITED STATES GYPSUM CO — Types ULIX

5. **Joint Tape and Compound** — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. 6. **Resilient Channel —** (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F or 4J. 6A. **Steel Framing Members*** — (Not Shown) — As an alternate to Item 6, furring channels and Steel Framing Members

a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item

long at the midpoint of the overlap, with one screw on each flange of the channel. hannels wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring

PAC INTERNATIONAL L L C - Types RSIC-1, RSIC-1 (2.75) 6B. Framing Members* — (Not Shown) — (Optional on one or both sides) — As an alternate to Item 6, furring channel and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum

6C. **Steel Framing Members*** — (Optional, Not Shown) — Furring channels and Steel Framing Members as described b. Steel Framing Members* — Used to attach furring channels (Item 6Ca) to studs. Clips spaced 24 in. OC., and secured to studs with No. 10×2 -1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

7. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM - Type QuietRock QR-500 and QR-510

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

8. Mineral and Fiber Board* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs and floor and ceilin runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. The required U.C classified gypsum board layer (Item 4M) is to be installed over the Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required. **HOMASOTE CO** — Homasote Type 440-32

9. **Lead Batten Strips** — (Not Shown, For Use With Item 4E) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum board (Item 4E) and optional at remaining stud locations. Required behind vertical joints. 9A. **Lead Batten Strips** — (Not Shown, for use with Item 4J) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screws at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 41) and entitional 5 to promising at the locations. 10. Lead Discs or Tabs — (Not Shown, For Use With Item 4E) — Used in lieu of or in addition to the lead batten strips (Item 8) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered

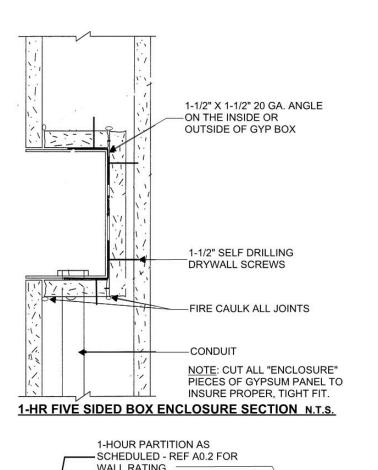
 $11. \ \textbf{Adhesive} - \text{Not Shown} - (\text{For use with Item 8}) - \text{Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 8).}$ nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 8).

12. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — For use with Items 1 to 11, Items 2 to 2J, Item 3, Items 4 to 41, Item 5 and Item 6. For maximum fire rating of 1 hour. On one side of the wall, over the first layer of Gypsum Board (Item 4 to Item 41), install RefleXor membrane with the gold side facing outwards. Membrane installed with T50 staples spaced 12 inches on center in both directions as per manufactive; instructions, seams in membrane to be overlapped by 2 inches. When RefleXor membrane is used an additional layer of Gypsum Board that is identical to the one used in the first layer and as specified in Item 4 to Item 41 shall be installed over the membrane. The additional layer of Gypsum Board to be installed through the membrane to the stud as specified in Item 4 to Item 41 except the fastener length shall be increased by a minimum of 5/8 inch. Install Batts and Blankets in the stud cavity as per Item 3. On the other side of the wall, prior to the installation of the Gypsum Board sas per Item 6. Over the Resilient Channels install 3/4 inch thick SONOpan panel secured to the Resilient Channels with drywall screws and washers spaced at 16 in. OC on the perimeter of the panel and 8 in. OC in the field of the panel. Over the SONOpan panel install the same Gypsum Board as specified in Item 4 to Item 41 with the fastener length increased by minimum 3/4 inch. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

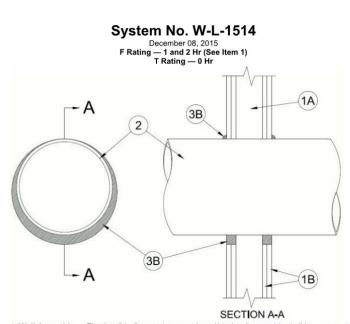
over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4E) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

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

MSL — RefleXor membrane, SONOpan panel



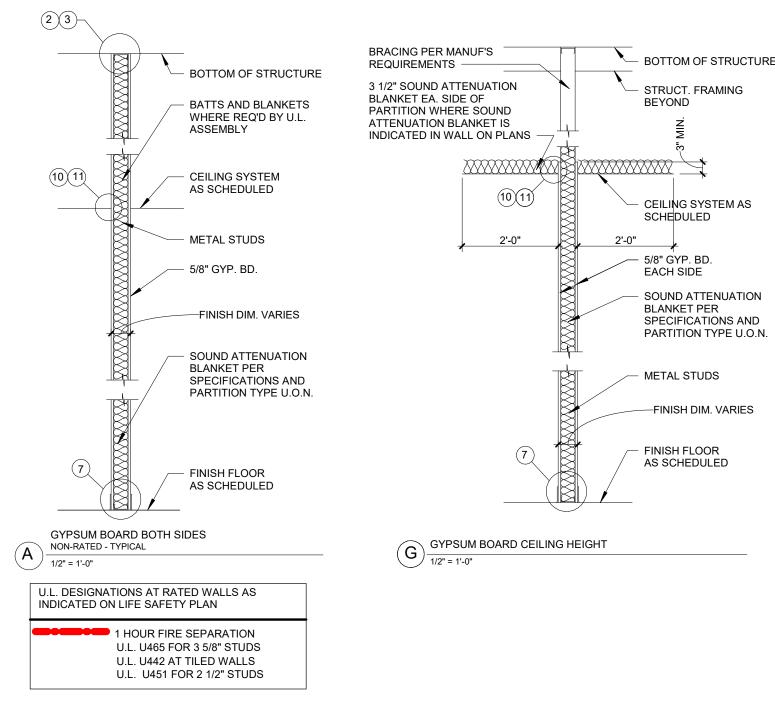
WALL RATING REF. MEP DRAWINGS (2) #10 SELF-TAPPING SCREWS EACH SIDE OF CABINET, TYP. 5-SIDE GYPSUM WALLBOARD WRAP FIRETAP AT INSIDE CORNERS 1-HR FIVE SIDED BOX ENCLOSURE PLAN N.T.S.



Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following

2. **Through Penetrant** — One metallic pipe, conduit or tubing to be installed concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall asaer**stleef proe**llowind hypesnerol dizemet veralligeinsmallely is chedule 420 for heavier) steel pipe A nom annular space of 0 (point contact) to 1-1/4 in. (32 mm) is required within the firestop B. Iron Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) cast iron pipe. A nom annular space of 0 (point contact) to 1-1/4 in. (32 mm) is required within the C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic conduit A nom annular space of 0 (point contact) to

SOUDAL ACCUMETRIC — Soudal Acryrub Firestop

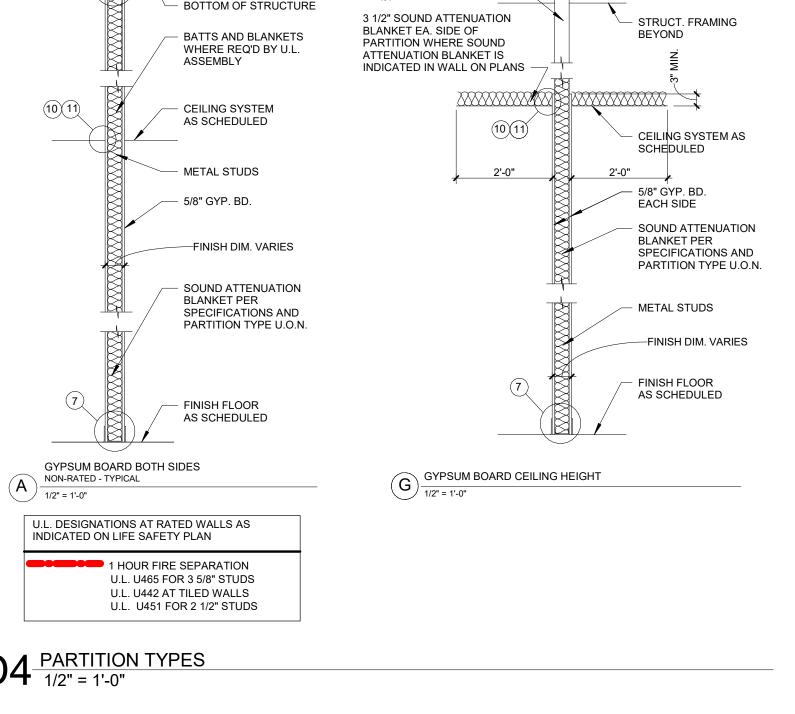


BOTTOM OF STRUCTURE

8. METAL STUDS ARE SPACED @ 16" O.C. MAX., UNLESS NOTED OTHERWISE. 10. THE LOCATION OF A CHANGE IN THE PARTITION TYPE IS INDICATED BY A WALL TAG.

A2 LIFE SAFETY PLAN 1/16" = 1'-0"

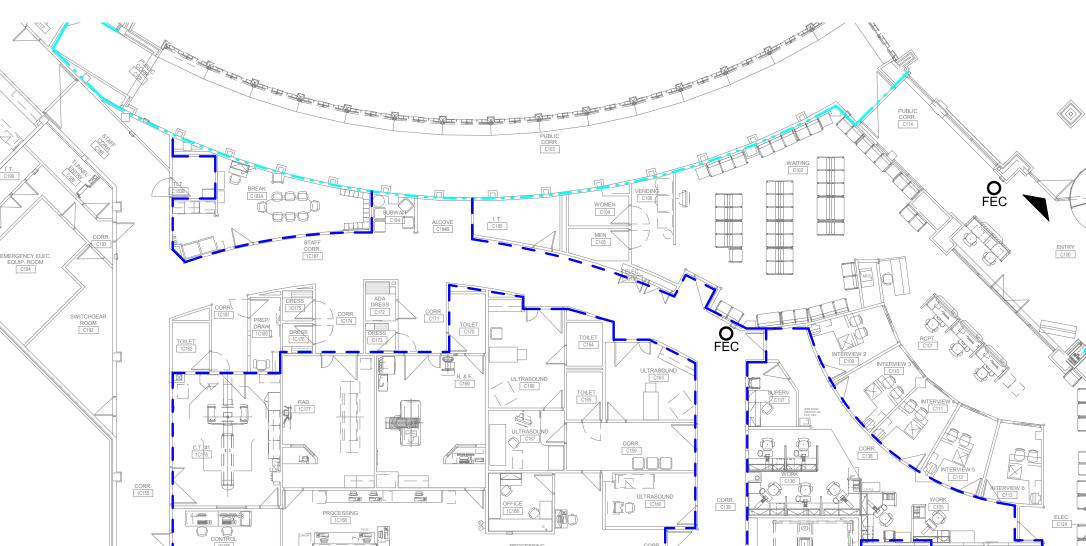
12. PARTITION TYPE DESIGNATIONS ARE INDICATED ON THE FLOOR PLAN DRAWINGS.



NOTE: STUD THICKNESS (GAUGE) MUST CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR SPAN (HEIGHT OF STUD) 2. WHERE THE PARTITION TYPE INDICATION IS SHOWN WITH A NUMERICAL SUFFIX, THE METAL STUD THICKNESS SHALL BE AS SCHEDULED BELOW: SUFFIX MTL. STUD THICKNESS 1-5/8" MTL. STUDS 2-1/2" MTL. STUDS 6" MTL. STUDS 3. UNLESS NOTED OTHERWISE, ALL INTERIOR DRYWALL PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'A' PARTITIONS. WHERE OCCURS, RATINGS ARE AS INDICATED ON THE LIFE SAFETY PLANS. 4. UNLESS NOTED OTHERWISE, ALL CMU PARTITIONS ARE 7-5/8", 8" NOMINAL. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF CMU PARTITIONS OTHER THAN 8" NOMINAL 5. WHERE THE PARTITION TYPE INDICATION IS SHOWN WITH A NUMERICAL SUFFIX, THE CMU THICKNESS SHALL BE AS SCHEDULED BELOW: SUFFIX CMU THICKNESS ACTUAL 3-5/8", 4" NOMINAL ACTUAL 5-5/8", 6" NOMINAL ACTUAL 11-5/8", 12" NOMINAL

6. UNLESS NOTED OTHERWISE. ALL INTERIOR MASONRY PARTITIONS INDICATED ON THE FLOOR PLAN DRAWING ARE TYPE 'B' PARTITIONS. WHERE OCCURS. RATINGS ARE AS INDICATED ON THE LIFE SAFETY PLANS. 7. ALL STUDS ARE CONTINUOUS FROM FLOOR STRUCTURE TO CEILING STRUCTURE UNLESS

13. PARTITION TYPES DO NOT INCLUDE APPLIED FINISHES CALLED FOR IN THE ROOM FINISH STUD 1/4" SHORT AND SCREW BOTH SIDES TO MTL. RUNNER TRACK.



AREA OF PROPOSED CONSTRUCTION SHOWN SHADED

A. Studs — Wall framing consists of steel channel studs Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.

B. **Gypsum Board*** — One or two layers of nom 5/8 in. (16 mm) thick gypsum wallboard as specified in the individual Wall and Partition Design. Max diam of opening is 14 in. (356

1 in. is required within the firestop system.

3. Firestop System — The firestop system shall consist of the following: firmly packed into opening as a permanent form. Packing material to be recessed from each surface of the wall to accommodate the required thickness of fill material. B. Fill, Void or Cavity Material* - Caulk — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus on both surfaces of the wall assembly. A min 1/2 in. (13 mm) diam bead of caulk shall be applied to the pipe/gypsum board interface at the point contact

LIFE SAFETY LEGEND PARTITION GENERAL NOTES 1. UNLESS NOTED OTHERWISE, ALL INTERIOR METAL STUDS ARE 3 5/8" THICK. REFER TO SUFFIX SCHEDULE BELOW FOR LOCATIONS OF METAL STUDS OTHER THAN 3-5/8" THICK. NEW FIRE EXTINGUISHER CABINET EXISTING FIRE EXTINGUISHER CABINET NOT IN SCOPE 0 HR SMOKE PARTITION (SMOKE RESISTIVE) 1 HR SMOKE BARRIER 1 HR FIRE BARRIER

> 2 HR FIRE SMOKE BARRIER 3 HR FIRE BARRIER **CODE SUMMARY <u>Project Construction Purpose</u>**: MRI equipment replacement and finish upgrades

> > Saint Luke's East Hospital

Lee's Summit, MO 64086

<u>Designer Information</u> ACI Boland Architects

Kansas City, MO 64108 Phone: (816) 763-9600

Local Building Inspection:

1710 Wvandotte St.

80 NF Saint Luke's Boulevard

2 HR FIRE BARRIER

2018 International Building Code 2018 International Mechanical Code 2018 International Fuel Gas Code 2018 International Plumbing Code 2018 International Fire Code 2017 National Electric Code

9. UNLESS NOTED OTHERWISE, ALL GYPSUM BOARD IS TO BE 5/8" THICK "FIRECODE".

11. THE CORRESPONDING RATED ASSEMBLIES ARE INDICATED BELOW THE PARTITION TYPES.

14. AT PARTITION TYPES WHERE MTL. STUDS ARE EXPOSED ON ONE OR BOTH SIDES, CUT

The area of renovation will have no impact on occupant load or egress from the existing space. Existing egress and occupant load will be routed through existing doors. There are no alterations to the existing life safety plan. Building Construction Type: Type 1-A - Section 602.2 I-2 - Section 308.3 (Healthcare - Section 6.1.5) Institutional Outpatient = 100 gross Table 1004.5 Occupant Load Factor Institutional Outpatient - 1,275 SF **Area of Renovation:** Occupant Load:
Total Square Footage: 1,275 SF / 100 = 13 occupants total Required Fire Resistance Ratings (in hours)
Per NFPA 101 A.8.2.1.2: **Exterior Bearing Walls** Interior Bearing Walls 3 HR Primary Structural Frame Floor Construction 1 1/2 HR Roof Construction Interior non-bearing walls as an addressable type system. The device type and locations are per the applicable codes as well as ADA

2009 ICC/ANSI A117.1 Accessible Buildings and Facilities

2018 FGI Guidelines for Design & Construction of Hospitals

Note: If code requirements overlap, the most stringent shall apply.

State of Missouri Dept. of Health & Environment references the following codes: 2012 Life Safety Code (NFPA 101)

Lee's Summit Fire Department

City of Lee's Summit - Codes Administration

- Smoke Control System - All ductwork penetrating smoke rated walls will have a smoke or combination documents. These dampers will close upon detection of smoke by the area smoke detectors or duct smoke detectors in the air handling units. - Fire Sprinkler System - Specified to be per NFPA 13. The sprinkler heads are specified to be quick

- Smoke Compartments no greater than 22,500 SF

- Emergency Lighting and Power - Emergency lighting, life safety and critical loads will receive power from a backup generator located outside the main electrical - Illuminated Exit Signs Passive Fire Safety Features:

EXISTING HOSPITAL -

KEY PLAN

1" = 160'-0"

FLEX CAPACITY EXPANSION -

Job Number Drawn By Checked By

Samuel K. Beckman - Architect

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Licensee's Certificate of Authority Number:

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Licensee's Certificate of Authority Number:

License - Missouri #A-2011012130

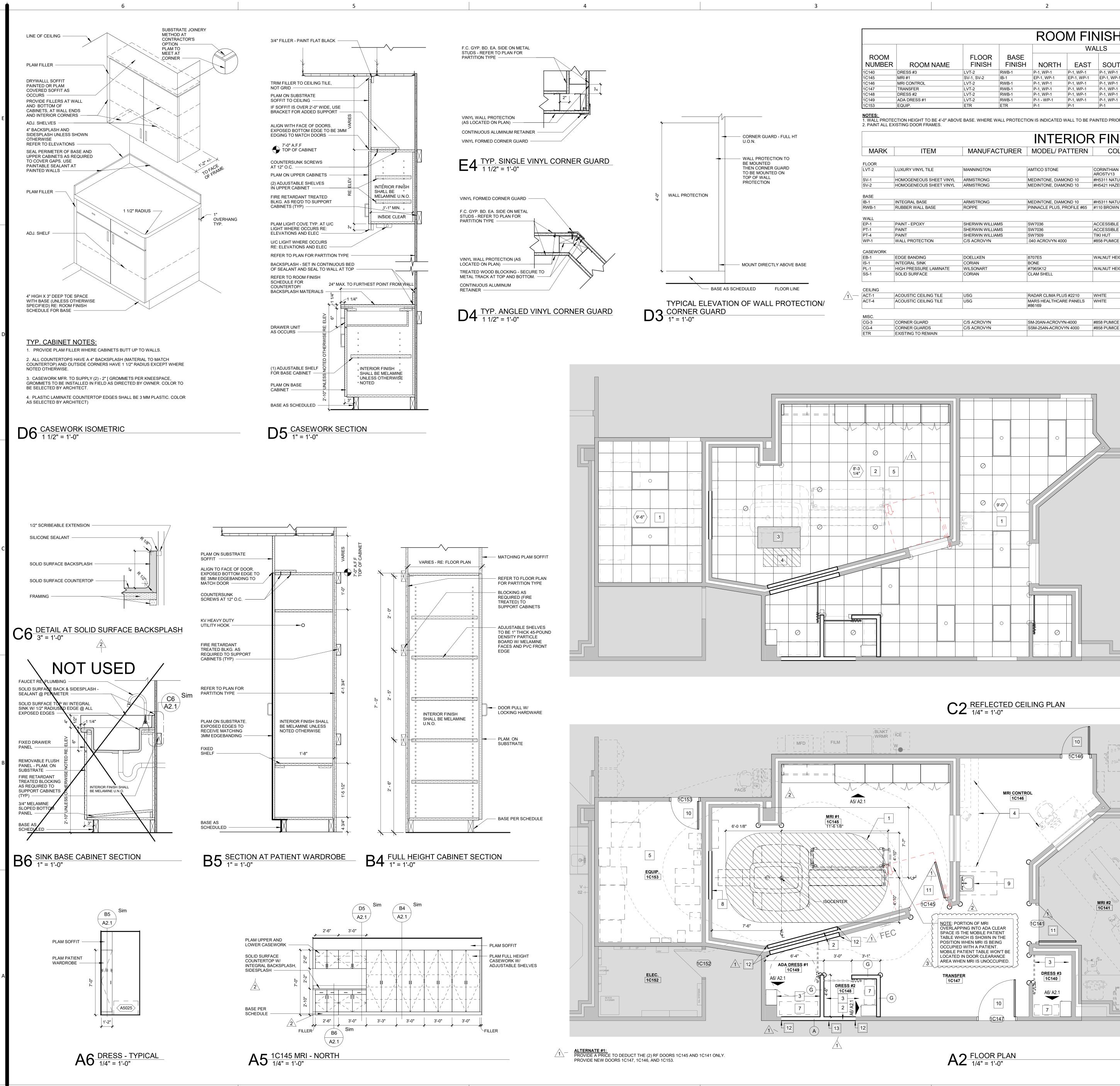
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*THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR. USE BLACK AND WHITE COPIES AT YOUR OWN RISK.

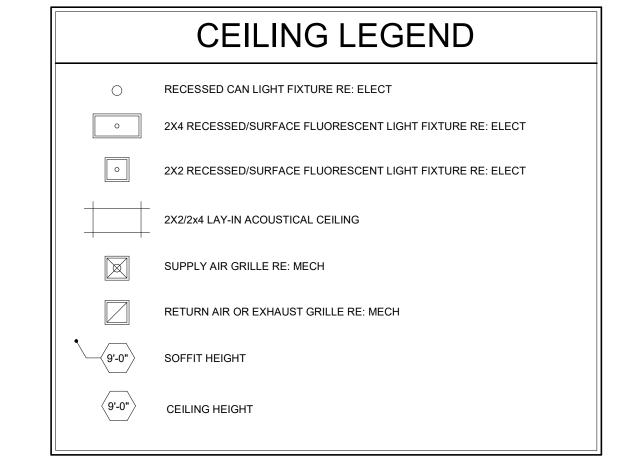
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LIFE SAFETY PLAN





#858 PUMICE



90 DEGREE, ABOVE BASE TO CEILING, INCLUDE ALL TRIM AND ACCESSORIES, TYPICAL

END WALL ABOVE BASE TO CEILING, INCLUDE ALL TRIM AND ACCESSORIES, TYPICAL

GENERAL RCP NOTES
THIS PLAN SHALL BE USED TO COORDINATE THE CEILING LAYOUT WITH MECHANICAL AND ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED. CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES
SEE SPECIFICATIONS FOR CEILING TYPES. REFER TO ARCHITECTURAL FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES. ALL NEW CEILINGS TO BE INSTALLED AT EXISTING CEILING HEIGHT LLN.O.

	KEYNOTES - RCP
5.	ALL NEW CEILINGS TO BE INSTALLED AT EXISTING CEILING HEIGHT U.N.O.
4.	REFER TO ARCHITECTURAL FLOOR PLANS FOR MATERIAL LEGEND OF ALL TYPES.
3.	SEE SPECIFICATIONS FOR CEILING TYPES.
2.	CONTRACTOR TO REFER TO THE ELECTRICAL PLANS FOR ACTUAL LIGHTING SIZES AND FIXTURE TYPES.
	ELECTRICAL WORK. VERIFY THE EXACT QUANTITY REQUIRED.

Number	Comments		
1	EXISTING CEILING GRID TO REMAIN. ADD CROSS TEES TO CREATE 2X2 GRID. REPLACE EXISTING TILE WITH 2X2 TILES. RELOCATE SPRINKLER HEADS & DEVICES AS REQUIRED.		
2	REFER TO MEP AND PHILIPS SITE SPECIFIC DRAWINGS FOR EXACT LIGHT AND LED MODULE COUNT AND LOCATIONS		
3	NO CEILING TILE OR GRID IN THIS AREA. 28" X 56" THIS SERVICE AREA MUST BE CLEAR OF OBSTRUCTIONS FROM TOP OF MAGNET TO 10'-0" AFF, RE: PHILIPS SITE SPECIFIC DRAWINGS		
4	REMOVABLE CEILING AREA 23.75" X 46" FOR SERVICING FOLIPMENT, GRID WORK MUST		

NEW CEILING GRID AND TILES PER SCHEDULE

BE EASILY REMOVED FOR ACCESS. RE: PHILIPS SITE SPECIFIC DRAWINGS.

PLAN LEGEND	
NOT IN SCOPE	
EXISTING TO REMAIN	
EXISTING DOOR, FRAME AND HARDWARE TO REMAIN	
 NEW WALL	
NEW CORNER GUARD	

GENERAL PLAN NOTES
CONSTRUTOR TO PROVIDE IN WALL ERT WOOD BLOOKING AT ALL WALL MOUN

CONSTRATOR TO PROVIDE IN-WALL FRT WOOD BLOCKING AT ALL WALL-MOUNTED EQUIPMENT, FIXTURES, AND ACCESSORIES AS REQUIRED FOR INNSTALLATION. COORDINATE WITH OWNER. TOP OF EXISTING RF SHIELDING IS 11'-0" A.F.F. RE: PHILIPS SITE-SPECIFIC DRAWINGS FOR MRI EQUIPMENT INFORMATION. ALL HARDWARE IN MRI ROOM SHALLBE NON-FERROUS.

KEYNOTES - FLOOR PLAN			
NUMBER	COMMENTS		
1	CONTRASTING COLOR SHEET VINYL (SV-2); RE: PHILIPS SITE SPECIFIC DRAWINGS SHEET S4		
2	INFILL OPENING WITH CONSTRUCTION MATERIALS, RF SHIELDING, FIRE-RATING (IF APPLICABLE) AND FINISHES EQUAL TO EXISTING ADJACENT CONSTRUCTION.		

1	CONTRASTING COLOR SHEET VINYL (SV-2); RE: PHILIPS SITE SPECIFIC DRAWINGS SHEET S4	
2	INFILL OPENING WITH CONSTRUCTION MATERIALS, RF SHIELDING, FIRE-RATING (IF APPLICABLE) AND FINISHES EQUAL TO EXISTING ADJACENT CONSTRUCTION.	
3	RE-INSTALL ALL APPLICABLE WALL MOUNTED AND CEILING MOUNTED EQUIPMENT	
4	SYSTEMS FURNITURE, EXISTING TO REMAIN.	
5	REFER TO MEP AND PHILIPS DRAWINGS FOR EQUIPMENT INFORMATION	
7	ADA BENCH, PROVIDED BY FURNITURE VENDOR	
8	MODIFY WALL CONSTRUCTION AS REQUIRED TO PROVIDE ADAPTIVE FRAME FOR INSTALLATION OF PATIENT IN-BORE SOLUTION MONITOR, RE: PHILIPS SITE SPECIFIC DRAWINGS SHEET SD7.	
9	WALL-HUNG SINK, RE: MEP. PROVIDE WOOD BLOCKING AS REQUIRED.	1
10	PAINT DOOR FRAME PER SCHEDULE; NEW SOLID CORE WOOD DOOR, VT INDUSTRIES, HIGH PRESSURE DECORATIVE LAMINATE W/ 3MM PVC EDGES, LAMINATED TOP AND BOTTOM, COLOR: WILSONART WALNUT HEIGHTS, #7965K-12; RE-INSTALL SALVAGED HARDWARE	<u>Z</u>
11	RF SHIELDED DOOR/FRAME/HARDWARE ETR	1
12	INSTALL NEW DRYWALL CONTROL JOINTS AT EACH SIDE AND INSIDE AND OUTSIDE OF WALL	
13	INSTALL NEW WALL PROTECTION AT KNOCKOUT. REINSTALL SALVAGED HANDRAIL.	

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04/17/2020 3-20037

PR 01

08.03.20 CITY COMMENTS

APB

Job Number

Drawn By

Checked By

07.29.20

FIRST FLOOR PLAN & RCP

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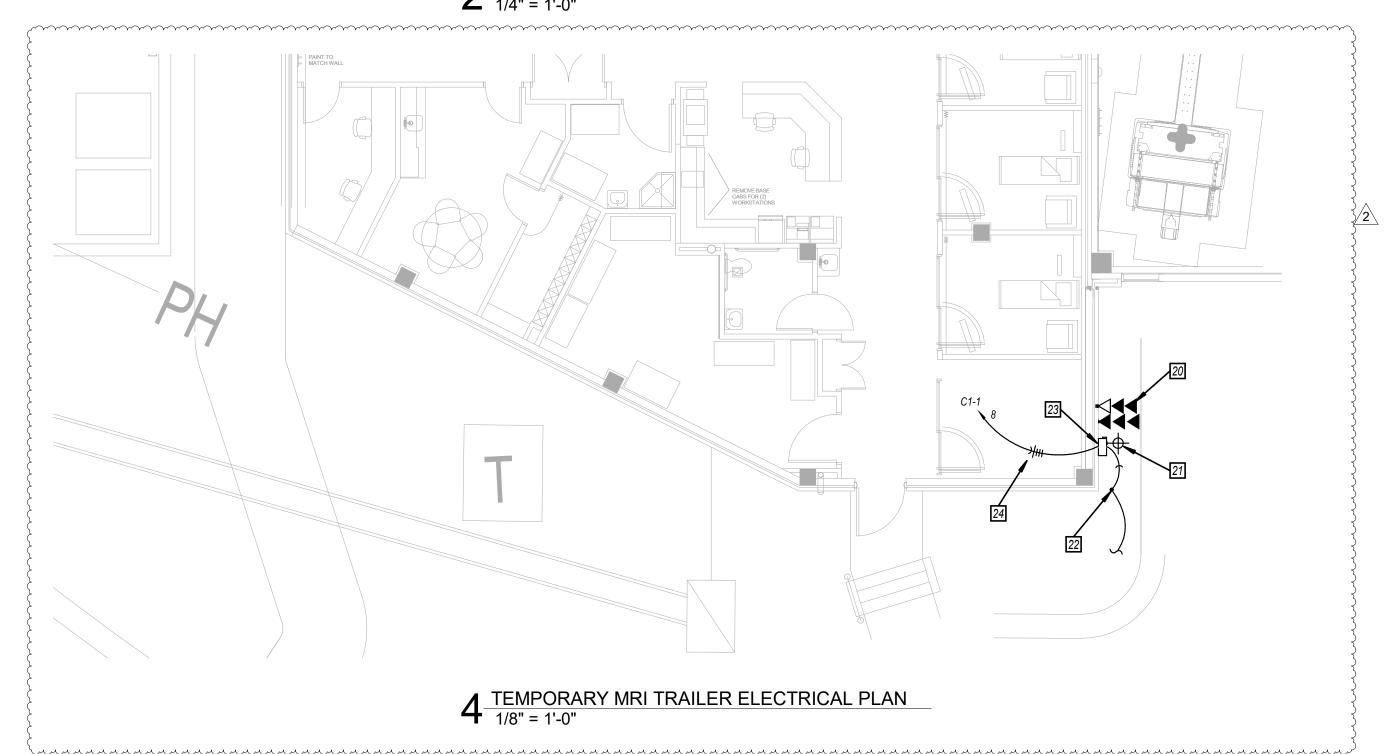
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2 FIRST FLOOR POWER PLAN
1/4" = 1'-0"



ELECTRICAL POWER GENERAL NOTES

WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. ALL WORK SHOWN DARK AND DASHED ON

DEMOLITION PLAN IS TO BE DISCONNECTED AND REMOVED. NEW WORK IS SHOWN DARK ON NEW WORK PLAN.

3 THIS IS A 24 HOUR FACILITY, THEREFORE SOME WORK MAY BE REQUIRED TO BE PREFORMED

REFER TO SHEET E000 FOR GENERAL NOTES. NOT ALL GENERAL NOTES MAY APPLY TO THIS

AFTER HOURS AT NO ADDITIONAL EXPENSE TO OWNER. ALL SHUT DOWNS SHALL BE COORDINATED WITH OWNER.

4 ALL SHUT DOWNS SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY OWNER.

5 OWNER SHALL HAVE RIGHT OF REFUSAL ON ALL LIGHT FIXTURES AND DEVICES BEING

6 WHERE EXISTING DEVICES, EQUIPMENT AND LIGHTING CIRCUITS TO REMAIN ARE SHARING CIRCUITS OF DEVICES WHICH ARE TO REMAIN, EXISITING CONDUIT AND WIRING SHALL BE ADAPTED/EXTENDED.MODIFIED AS REQUIRED TO MAINTAIN DEVICES, LIGHTING AND EQUIPMENT. ALL EXISITNG CIRCUITS REQUIRE FIELD VERIFICATION AND SHALL BE TRACES FROM SOURCE PANEL TO DEVICES, LIGHT FIXTURES AND EQUIPMENT REQUIRED TO REMAIN. UTILIZE INFORMATION TO PROVIDE ACCURATE UPDATED TYPE-WRITTEN PANEL SCHEDULE.

CIRCUITS TO RECEPTACLES AND FIXED ELECTRICAL EQUIPMENT IN PATIENT CARE SPACES SHALL BE INSTALLED IN METAL CONDUIT AND GROUNDED TO MEET THE REQUIREMENTS OF 2017 NEC, ARTICLE 517.13.

KEYED NOTES 0

1 EXISTING DOOR SWITCH TO REMAIN. DISCONNECT FROM EXISTING EQUIPMENT. REFER TO NEW WORK PLAN FOR RECONNECTION.

2 3-#1/0W, 1-#1/0 GND IN 2"C. 3 (2)-2°C.

FUSING FOR SWITCH.

FURNISH AND INSTALL (1)- 3/4"C FOR PHILIPS' INSTALLED CABLE. FURNISH AND INSTALL (1)-1"C WITH SIGNAL CABLE AS REQUIRED BY PHILIPS.

FURNISH AND INSTALL (1)- 3"C FOR PHILIPS' INSTALLED CABLE. FURNISH AND INSTALL (1)- 2"C FOR PHILIPS' INSTALLED CABLE. UP TO CHILLER ON ROOF. REFER TO SHEET EP2.2 FOR CONTINUATION.

FURNISH 1°C AND EXTEND UP TO CHILLER ON ROOF FOR PHILPS' CABLES TO BE INSTALLED BY ELECTRICAL CONTRACTOR COORDINATE EXACT LOCATION OF SALLOW FOR INSTALLATION OF SINK. 10 FURNISH AND INSTALL (1)- 1-1/2"C FOR PHILIPS' INSTALLED CABLE. 11 FURNISH AND INSTALL (1) 1-1/4"C WITH PULLSTRING COORDINATE EXACT \(\frac{3}{3}\)

12 FURNISH AND INSTALL (1)- 2-1/2"C FOR PHILIPS' INSTALLED CABLE. 13 FURNISH AND INSTALL (1)- 1"C FOR PHILIPS' INSTALLED CABLE. 14 DISCONNECT AND REMOVE EXISTING SWITCH IN PANEL AND REPLACE WITH NEW 150A, 3P SWITCH WITH 125A FUSING TO SERVE NEW LOAD. SWITCH SHALL BE CAPABLE OF BEING LOCKED IN OFF POSITION.

15 ALL CIRCUITS WITHIN MRI ROOM SHALL PASS THROUGH RF FILTERS. 16 REFEED EXISTING ROOM RECEPTACLES. 17 EXTEND AND CONNECT TO EXISTING SWITCH. FUNRISH AND INSTALL NEW 15A

18 FURNISH AND INSTALL 30A NON-FUSED DISCONNECT SWITCH.

19 UP TO CONDENSING UNIT ON ROOF. REFER TO PARTIAL ROOF ELECTRICAL PLAN ON SHEET EP2.2 FOR CONTINUATION. 20 FURNISH TEMPORARY INSTALLATION OF TWO (2) TELEPHONE HUBBEL PH-6595, TWO (2) MODEM HUBBEL PH-6595, AND ONE (1) DATA CAT5, LEVITON 41108-RWS

WEATHERPROOF DROPS. FURNISH TEMPORARY INSTALLATION OF RUSSELLSTOLL DF2504FRAB RECEPTACLE FOR MOBILE MRI CONNECTION. REFER TO VENDOR DRAWINGS FOR ADDITIONAL INSTALLATION INFORMATION.

2 8' LONG, 3/4" DIAMETER GALVANIZED STEEL GROUNDING ELECTRODE ROD INSTALLED WITHIN GRADE THAT IS EXPOSED TO WEATHER AND LOCATED WITHIN 5' OF SERVICE DISCONNECT SWITCH. EXTEND #1/0 BARE COPPER GRAOUND FROM NEW DRIVEN GROUND ROD TO DISCONNECT SWITCH GROUND STUD AND #6 BARE COPPER GROUND FROM GROUND ROD TO TRAILER GROUND LUG. REFER TO MOBILE MRI VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.

3 FURNISH TEMPORARY INSTALLATION OF 200A, 3P, WEATHERPROOF DISCONNECT SWITCH FUSED AT 150A.

24 4-#1/0W, 1-#1/0 GROUND IN 2"C.

-MED RAD CONTROL MRI CONTROL e Ni N2 C1-18-LN-TRANSFER 1C147

3 FIRST FLOOR ELECTRICAL PLAN 1/4" = 1'-0"

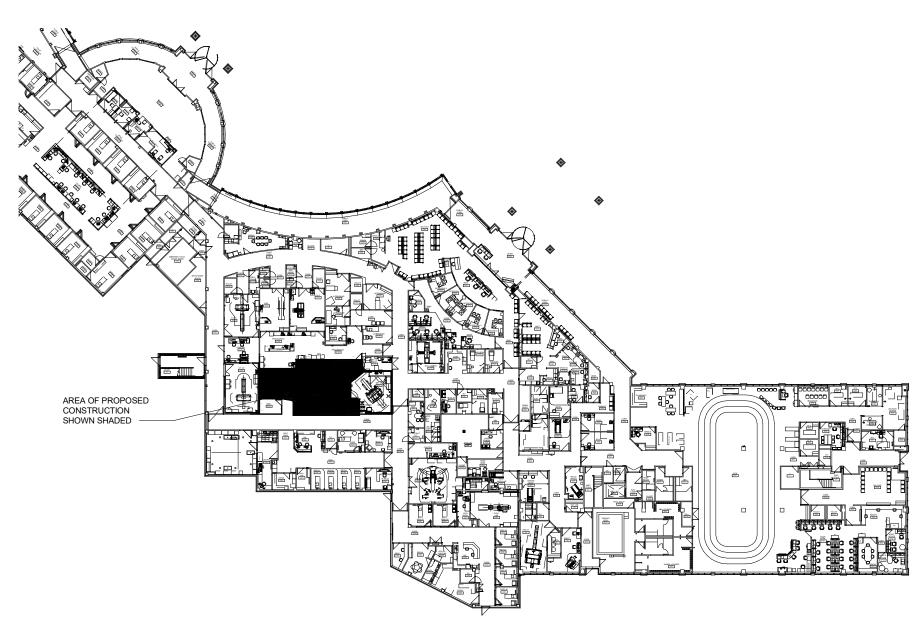
REFER TO PHILIPS SITE SPECIFIC DRAWINGS FOR ALL INTERCONNECTING CABLING, CONDUIT AND WIRING, DESCRIPTION OF ITEMS TO BE FURNISHED BY ELECTRICAL CONTRACTOR AND DESCRIPTION OF THE SYMBOLS WHICH APPLY TO THIS PROJECT.

2 ALL DEVICES AND CABLING WITHIN THE MRI ROOM MUST BE NON-FERROUS FOR USE IN MRI

3 ALL CONDUIT AND DEVICES MUST BE INSTALLED IN STRICT COMPLIANCE WITH REQUIREMENTS AS SPECIFIED ON PHILIPS DRAWINGS. ALL DEVICE MOUNTING HEIGHTS TO BE COORDINATED WITH PHILIPS SITE SPECIFIC DRAWINGS.

4 ALL CONDUIT RUNS MUST TAKE THE MOST DIRECT ROUTE AND MUST BE FURNISHED WITH PULL

NOT ALL WORK REQUIRED BY THE ELECTRICAL CONTRACTOR IS SHOWN ON THESE DRAWINGS.
ELECTRICAL CONTRACTOR SHALL FURNISH AND/OR INSTALL ALL DEVICES, PATHWAYS AND CABLING AS
SPECIFIED ON THE PHILIPS DRAWINGS.



ELECTRICAL PLANS

Bruce E. Hart - Engineer

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April 17, 2020 3-20037 Job Number LLD Drawn By Checked By