PERMIT DRAWINGS (PLAN REVIEW REVISION \triangle)

ACCESSIBILITY NOTES:

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- ACCESS TO THESE FACILITIES SHALL BE PROVIDED AT PRIMARY ENTRANCES, AS REQUIRED BY ADA.
- WALKS & SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2" AND SHALL BE A MIN. OF 36" IN WIDTH.
- 3. SURFACES WITH A SLOPE OF LESS THAN 6% GRADIENT SHALL BE AT LEAST AS SLIP RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH.
- 4. SURFACES WITH A SLOPE OF 6% GRADIENT OR GREATER SHALL BE SLIP RESISTANT.
- 5. SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4" PER FOOT.
- WALKS, SIDEWALKS & PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN THE GRATINGS SHALL BE LIMITED TO 1/2" IN THE DIRECTION OF TRAFFIC FLOW.
- WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL, IT SHALL COMPLY WITH THE PROVISIONS OF A PEDESTRIAN RAMP
- ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2". WHEN CHANGES IN LEVEL DO OCCUR THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2, EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL, WHEN CHANGES IN LEVELS GREATER THAN 1/2" ARE NECESSARY, THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB OR PEDESTRIAN RAMPS.
- 9. EVERY REQUIRED EXIT DOORWAY SHALL BE SIZED FOR A DOOR NOT LESS THAN 3 FT. WIDE BY NOT LESS THAN 6'-8" HIGH CAPABLE OF OPENING 90° AND MOUNTED SO THAT THE CLEAR WIDTH OF THE EXIT WAY IS 32" MIN.
- 10. THRESHOLDS MAY BE A MAX. 1/2" ABOVE ADJACENT FINISH FLOOR.
- 11. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8 1/2 LBS. FOR EXTERIOR DOORS AND 5 LBS. FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS, COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBS.
- 12. THE BOTTOM 10" OF ALL DOORS, EXCEPT AUTOMATIC AND SLIDING, SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE.

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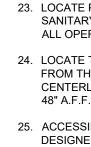
13. PROVIDE LEVER-TYPE HARDWARE, PANIC BARS, PUSH - PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE THE HARDWARE. (34" TO 48" A.F.F.)

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- 14. PROVIDE 17" (MIN.) OR 18" (MAX.) FROM ADJACENT WALL TO CENTERLINE OF WATER CLOSET
- 15. PROVIDE A 30"x48" CLEAR SPACE WITHIN THE TOILET ROOM THAT DOES NOT ENCROACH INTO THE DOOR SWING.
- 16. GRAB BARS LOCATED ON EACH SIDE, OR ONE SIDE AND THE BACK OF PHYSICALLY DISABLED TOILET COMPARTMENTS SHALL BE SECURELY ATTACHED 33" MIN_AND 36" MAX_EROM THE FINISHED FLOOR TO THE TOP OF THE GRAB BAR AND PARALLEL TO THE FLOOR. THE SPACE BETWEEN WALL-MOUNTED GRAB BARS AND THE WALL SHALL BE 1 1/2" GRAB BARS AT THE SIDE SHALL BE 42" LONG, AND THE BACK END SHALL BE LOCATED 12" FROM THE BACK WALL. GRAB BARS AT THE BACK SHALL BE NOT LESS THAN 36" LONG WITH THE END CLOSEST TO THE SIDE WALL MOUNTED 12" FROM THE CENTER OF THE WATER CLOSET. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1 1/4" TO 1 1/2" OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE.
- 17. WATER CLOSET HEIGHT SHALL BE 17" (MIN.) OR 19" (MAX.) MEASURED TO THE TOP OF THE TOILET SEAT TO THE FINISHED FLOOR. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS. NO MORE THAN 44" A.F.F. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. OF FORCE
- 18. URINALS SHALL BE 17" (MAX.) ABOVE THE FLOOR AND PROJECT 13 1/2" FROM THE WALL. URINALS SHALL HAVE A CLEAR SPACE OF 30"X48" IN FRONT. FLUSH VALVES SHALL BE AUTOMATIC OR MOUNTED NO MORE THAN 44" A.F.F. IF HAND-OPERATED.
- 19. IN FRONT OF LAVATORIES, PROVIDE A 30"x48" CLEAR SPACE LOCATED 25" (MAX.) FROM THE LEADING EDGE OF THE LAVATORY TOWARD THE MOUNTING WALL. KNEE CLEARANCE SHALL BE 11" DEEP (MIN.) AT 9" A.F.F. AND 8" DEEP (MIN.) AT 27" A.F.F. BETWEEN 9" AND 27" A.F.F., THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1" IN DEPTH FOR EACH 6" IN HEIGHT.
- 20. ALL ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" A.F.F.
- 21. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

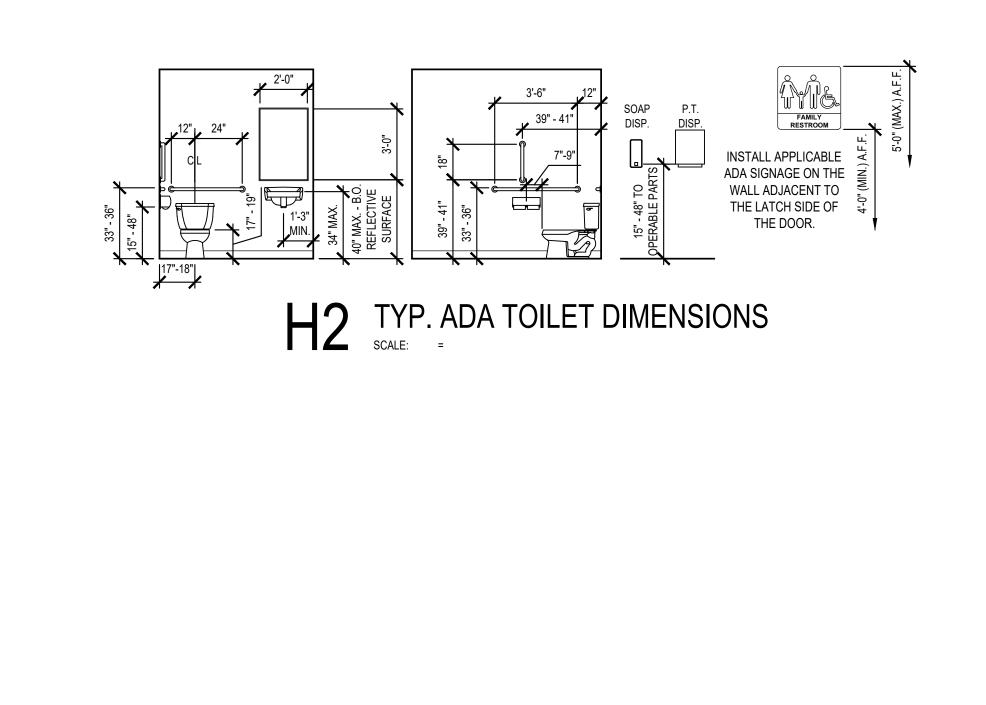
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HEADROOM.

LEVEL.



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SPIRITUS

22. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE

WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 51 BS

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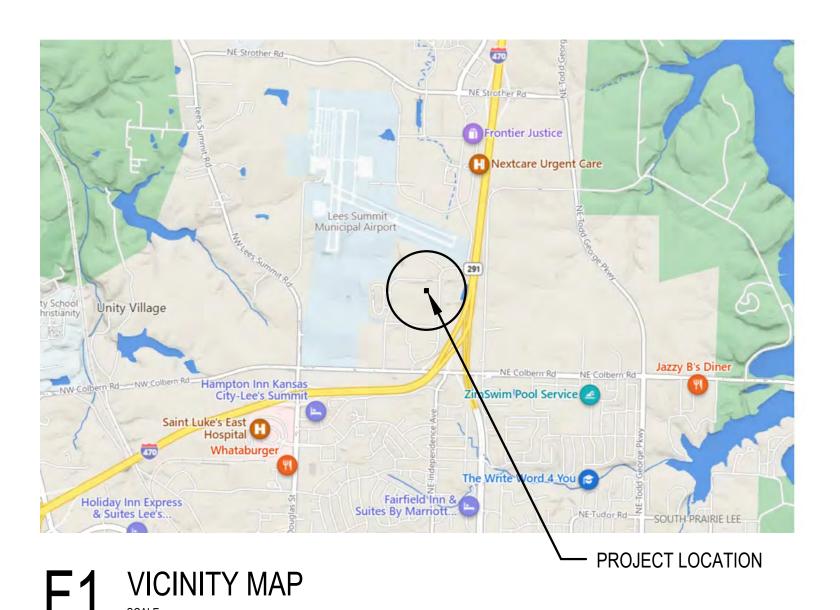
- LEVER-OPERATED, PUSH-TYPE, AND ELECTRONIC CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET IS OPEN FOR AT LEAST 10 SECONDS.
- 23. LOCATE PAPER TOWEL DISPENSERS, SOAP DISPENSERS, SANITARY NAPKIN DISPENSERS, AND WASTE RECEPTACLES WITH ALL OPERABLE PARTS BETWEEN 15" AND 48" A.F.F.
- 24. LOCATE TISSUE DISPENSERS ON THE WALL 7" (MIN.) AND 9" (MAX.) FROM THE FRONT EDGE OF THE TOILET SEAT TO THE CENTERLINE OF DISPENSER WITH THE OUTLET BETWEEN 15" AND
- ACCESSIBLE RESTROOMS SHALL BE PROVIDED WITH SIGNAGE DESIGNED AND LOCATED PER SECTION 703 OF THE ADA DESIGN GUIDELINES.
- 26. DOORS IN ACCESSIBLE ROUTES SHALL BE DESIGNED TO MEET CLEARANCE REQUIREMENTS PER SECTION 404 OF THE ADA DESIGN GUIDELINES.
- 27. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES OR OTHER CIRCULATION SPACES SHALL HAVE 80" MINIMUM CLEAR
- 28. OBJECTS PROJECTING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27" AND 80" ABOVE THE FINISH FLOOR SHALL PROTRUDE NO MORE THAN 4" INTO WALKS HALLS, CORRIDORS PASSAGEWAYS OR AISLES. OBJECTS MOUNTED AT OR BELOW 27" ABOVE FINISH FLOOR MAY PROTRUDE ANY AMOUNT.
- 29. OBJECTS THAT ARE BETWEEN 27" AND 80" A.F.F. AND MOUNTED ON POSTS MAY EXTEND BEYOND THE POSTS A MAXIMUM OF 12 OBJECTS MOUNTED BETWEEN POSTS, WHERE THE SPACE BETWEEN THE POSTS IS GREATER THAN 12", THE LOWEST EDGE OF THE OBJECT SHALL BE LOCATED 27" MAX. AND 80" MIN. A.F.F.
- 30. IF CARPET OR CARPET TILE IS USED ON A GROUND OR FLOOR SURFACE IN A COMMON USE AREA, IT SHALL HAVE FIRM BACKING OR NO BACKING. THE MAXIMUM PILE HEIGHT SHALL BE 1/2". EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE EXPOSED EDGE, AND TRIM SHALL COMPLY WITH THE REQUIREMENTS FOR CHANGES IN

CONSTRUCTION NOTES:

1. PERFORM ALL WORK IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICE TO ENSURE THE HIGHEST QUALITY FINISHED PRODUCT -EXPRESSED OR IMPLIED. PERFORM ALL WORK BY SKILLED MECHANICS IN ACCORDANCE WITH ESTABLISHED STANDARDS OF WORKMANSHIP IN EACH OF THE VARIOUS TRADES.

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- 2. WHEN THE PROJECT REQUIREMENTS REQUIRE THAT THE INSTALLATION OF WORK SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS. PERFORM THE WORK IN STRICT ACCORDANCE WITH THE MOST CURRENT WRITTEN MANUFACTURER'S INSTRUCTIONS.
- 3. ALL PRODUCTS AND EQUIPMENT SHALL BE DELIVERED IN UNDAMAGED CONDITION AND STORED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO AVOID DISRUPTION OF THE WORK OR DAMAGE TO THE ITEMS. REPLACE DAMAGED OR UNFIT MATERIALS, AT NO COST TO THE OWNER.
- 4. COORDINATE BLOCKING REQUIREMENTS WITH ADJACENT OR RELATED TRADES, ACCESSORIES, EQUIPMENT AND FIXTURES. INSTALL REQUIRED BLOCKING AT NO ADDITIONAL COST TO THE CONTRACT.
- 5. ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER. EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF.
- . REPAIR PROPERTY DAMAGE BY THE INSTALLERS TO A LIKE NEW CONDITION OR REPLACE DAMAGED SURFACES AND MATERIALS OF THE PREVIOUSLY INSTALLED WORK BY OTHER TRADES, INSTALLERS, AND SUBCONTRACTORS.
- 7. ALLOWABLE TOLERANCES UNLESS OTHERWISE NOTED OR INDICATED, THE FOLLOWING TOLERANCES SHALL APPLY TO ALL WORK: g. ALL VERTICAL SURFACES SHALL BE PLUMB OR CONSTRUCTED TO THE EXACT SLOPES OR ANGLES INDICATED.
- h. ALL HORIZONTAL SURFACES SHALL BE LEVEL OR CONSTRUCTED TO THE EXACT ANGLE INDICATED OR INTENDED. i. WALL AND SOFFIT INTERSECTIONS SHALL BE 90° OR THE EXACT
- ANGLE INDICATED OR INTENDED. ALL CORNERS AND EDGES SHALL BE STRAIGHT AND TRUE WITHOUT DENTS, WAVES, BULGES OR OTHER BLEMISHES.
- k. ALL JOINTS SHALL BE TIGHT, STRAIGHT, EVEN, AND SMOOTH
- I. ALL OPERABLE ITEMS SHALL OPERATE SMOOTHLY WITHOUT STICKING OR BINDING AND WITHOUT EXCESSIVE
- 8. THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN THE WORK IS SUBSTANTIALLY COMPLETE AND READY FOR INSPECTION. UPON INSPECTION, PROVIDE WRITTEN OPERATION AND MAINTENANCE INSTRUCTIONS AND GUARANTEES FOR ALL EQUIPMENT AND MATERIALS INSTALLED. PROVIDE WRITTEN GUARANTEES FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK.



FEBRUARY 26, 2024

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GENERAL NOTES:

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- 1. THE CONTRACTOR SHALL SECURE AND PAY FOR GOVERNMENT LICENSES, INSPECTIONS, TESTING, TEMPORARY UTILITIES AND PERMITS AS REQUIRED BY THE CONSTRUCTION DOCUMENTS AND/OR REGULATORY BODY HAVING AUTHORITY.
- CONTRACTORS SHALL VISIT THE SITE WHILE BIDDING AND SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND THE REQUIREMENTS OF THE PROJECT AND CONSTRUCTION DOCUMENTS PRIOR TO DEVELOPING THEIR BID, FABRICATION / CONSTRUCTION, AND PURCHASING. MATERIAL QUANTITIES SHALL BE BASED ON ACTUAL FIELD CONDITIONS AND MEASUREMENTS. DO NOT RELY ON SCALING DRAWINGS FOR ACCURATE DIMENSIONS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES. CONFLICTS OR OMISSIONS DISCOVERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTIONS AND/OR REPAIRS REQUIRED FOR FAILING TO DO SO.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL CONSTRUCTION DOCUMENTS TO THEIR SUBCONTRACTORS AS REQUIRED FOR THEM TO DEVELOP A COMPLETE BID FOR THEIR WORK AND TO HAVE A COMPLETE UNDERSTANDING OF COORDINATION NEEDED WITH OTHER SUBCONTRACTORS FOR RELATED HIDDEN OR EXPOSED WORK TO ENSURE EFFICIENT AND ORDERLY INSTALLATION
- THE ARCHITECT ASSUMES NO LIABILITY FOR THE SERVICES AND/OR CONSTRUCTION DOCUMENTS OF DESIGN SUB-CONSULTANTS COMPILED INTO THE SET OF DOCUMENTS ISSUED BY THE ARCHITECT. THESE DESIGN SERVICES MAY INCLUDE, BUT ARE NOT LIMITED TO, CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, PRE-ENGINEERED METAL BUILDING DESIGN, TILT-UP DESIGN, TRUSS SYSTEM DESIGN, AUTOMATIC FIRE SPRINKLER AND/OR ALARM SYSTEMS, LOW-VOLTAGE ELECTRICAL TELECOMMUNICATION AND SECURITY SYSTEMS AND GUTTER / DOWNSPOUT DESIGN.
- UNLESS SPECIFICALLY NOTED OTHERWISE, THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR MATERIALS EQUIPMENT MACHINERY SCAFFOLDING SHORING TOOLS LAYOUT ON-SITE DIMENSIONING TRANSPORTATION, UTILITIES, AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORL AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS. THIS SHALL ALSO INCLUDE NECESSARY CUTTING, PATCHING AND REPAIRING OF EXISTING CONSTRUCTION MATERIALS IN PLACE. ALL WORK AND MATERIAL SHALL COMPLY WITH THE APPLICABLE GOVERNING CODES LISTED.
- 6. WHERE DETAILS AND DESIGN INTENT ARE NOT CLEAR, THE CONTRACTOR SHALL CONSULT THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK.
- 7. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL MODIFICATIONS, INSTALLATIONS AND ERECTION.
- 8. CONTRACTORS SHALL TAKE CARE TO PROTECT ADJACENT AREAS FROM DUST AND DAMAGE DURING THE CONSTRUCTION PROCESS AND SHALL CLEAN UP AFTER THEMSELVES AT THE END OF EACH WORKING DAY. ANY DAMAGE DONE TO ADJACENT AREAS MUST BE REPAIRED TO MATCH ORIGINAL CONDITIONS OR TO THE OWNER'S SATISFACTION. REPAIRS ARE TO BE PAID FOR BY THE CONTRACTOR RESPONSIBLE.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ADDITIONAL WORK OR REVISIONS REQUIRED DUE TO SITE CONDITIONS OR ADDITIONAL REQUIREMENTS OF ANY REGULATORY BODIES HAVING AUTHORITY.
- 10. FOR THE DURATION OF THE PROJECT AND AT ALL TIMES OF EACH DAY, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE CONDITIONS. SECURITY AND SAFETY FOR WORKERS AND THE GENERAL PUBLIC, AS REQUIRED BY THE REGULATORY BODY HAVING AUTHORITY.
- 11. THE GENERAL CONTRACTOR SHALL PURCHASE AND MAINTAIN INSURANCE COVERAGE IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER. VERIFY AND COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR ANY ADDITIONAL REQUIREMENTS.
- 12. THE OWNER OR THE OWNER'S SUBCONTRACTORS MAY OCCUPY PORTIONS OF THE PROJECT DURING THE FINAL STAGE OF CONSTRUCTION. COORDINATE AND COOPERATE WITH THE OWNER TO MINIMIZE CONFLICT AND FACILITATE THE OWNER'S OPERATION.
- 13. THE CONTRACTOR SHALL PROVIDE SECURITY OF THE WORK. INCLUDING TOOLS AND UNINSTALLED MATERIALS. PROTECT THE WORK, STORED PRODUCTS, CONSTRUCTION EQUIPMENT, AND OWNER'S PROPERTY FROM THEFT AND VANDALISM, AND PROTECT THE PREMISES FROM ENTRY BY UNAUTHORIZED PERSONNEL UNTIL FINAL ACCEPTANCE BY THE OWNER.
- 14. CONTRACTOR SHALL COORDINATE STAGING AREAS AS REQUIRED BY THE LANDLORD / OWNER.
- 15. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL EXISTING UTILITIES.
- 16. THE STRUCTURAL ENGINEER AND ARCHITECT MUST BE NOTIFIED AND MUST GIVE APPROVAL PRIOR TO ANY STRUCTURAL MEMBER(S) BEING CUT OR MODIFIED TO ACCOMMODATE THE INSTALLATION OF ANY PIPES, DUCTS OR OTHER CONSTRUCTION.
- 17. THE STRUCTURAL ENGINEER AND ARCHITECT MUST BE NOTIFIED AND MUST GIVE APPROVAL PRIOR TO ANY MODIFICATION TO THE ROOF SYSTEM OR ADDING ANY ADDITIONAL ROOF-MOUNTED EQUIPMENT.

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RELEASED FOR CONSTRUCTION As Noted on Plans Review

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DISCLAIMER

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THESE DRAWINGS ARE CONSIDERED A "BUILDER'S SET" AND BY BEGINNING CONSTRUCTION, THE CONTRACTOR GUARANTEES TO THE ARCHITECT, THAT THE CONTRACTOR HAS THE COMPETENCE AND SKILL IN CONSTRUCTION NECESSARY TO BUILD THE PROJECT WITH THESE DRAWINGS. THE CONTRACTOR WILL BE REQUIRED TO ADAPT THE DRAWINGS TO ACTUAL FIELD CONDITIONS AND MAKE LOGICAL ADJUSTMENTS IN FIT. FORM, DIMENSION AND QUANTITY, IN THE EVENT ADDITIONAL DETAIL OR GUIDANCE IS NEEDED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT. FAILURE TO GIVE NOTICE SHALL RELIEVE THE ARCHITECT OF RESPONSIBILITY FOR ANY RESULTANT EXPENSES. REPAIRS OR ADDITIONAL WORK. IT IS UNDERSTOOD AND AGREED THAT IF THE ARCHITECT IS NOT HIRED TO DO CONSTRUCTION OBSERVATION OR ANY OTHER CONSTRUCTION PHASE SERVICES, THAT THE ENTITY HIRED TO PERFORM SUCH SERVICES ASSUMES ALL RESPONSIBILITY FOR THESE SERVICES, AND THE CLIENT WAIVES ANY CLAIMS AGAINST THE ARCHITECT THAT MAY BE IN ANY WAY CONNECTED THERETO.

ABBREVIATIONS:*

*NOTE: THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ABBREVIATIONS NOT NOTED AND REQUEST CLARIFICATIONS.

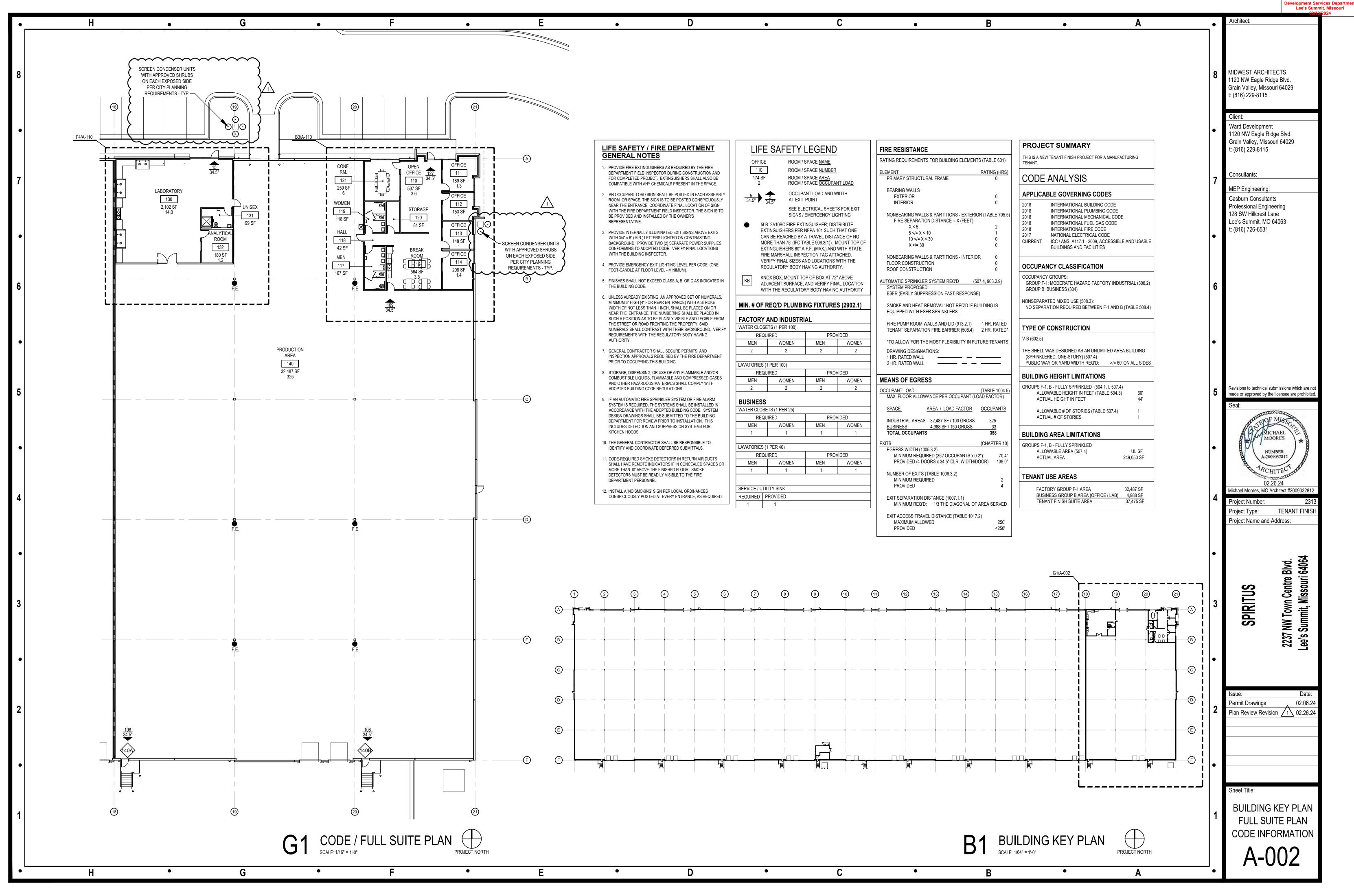
@ ACT ADJ AFF ALUM ANOD ATT BD BET BF BIT BLDG BO BTM CPT CT CJ CL CLG CLR CLG CLR CMU COMP CONC	AT ACOUSTIC CEILING TILE ADJUSTABLE ABOVE FINISHED FLOOR ALUMINUM ANODIZED ATTENUATION BOARD BETWEEN BARRIER FREE BITUMINOUS BUILDING BOTTOM OF BOTTOM CARPET CERAMIC TILE CONTROL JOINT CENTER LINE CEILING CLEAR CONCRETE MASONRY UNIT COMPRESSIBLE CONCRETE	JT KS LB(#) LVL MAX MDO MECH MFR MICRO MIN MO MR MTD MTD MTL NIC NO NOM O.C. O.D.
CONT DEG DEMO DF DH DIA DN DP DS DW EA EJ EQ ETR EXG EXP FD FE FF F&I FLR FR FRP FV	CONTINUOUS DRYER DEGREE DEMOLITION DRINKING FOUNTAIN DOUBLE-HUNG DIAMETER DOWN DEEP DOWN SPOUT DISHWASHER EACH EXPANSION JOINT EQUAL EXISTING TO REMAIN EXISTING EXPOSED TO STRUCTURE FLOOR DRAIN FIRE EXTINGUISHER, FINISHED END FINISHED FLOOR FURNISH AND INSTALL FLOOR FIRE RETARDANT FIBER-REINFORCED PLASTIC FIELD VERIFY	O.H. OSB OZ PREFAB PLAM PLYWD PR PT PNT PEMB QTY R RCP REF REINF REQD RM RO RCB SC SF SIM SQ SS ST
GA GALV GC GFI H HB HT HDW HRDWD HM HR N IN INSUL	GAUGE GALVANIZED GENERAL CONTRACTOR GROUND FAULT CIRCUIT INTERRUPTER GLASS GYPSUM BOARD HIGH HOSE BIB HEIGHT HARDWARE HARDWOOD HOLLOW METAL HOUR INCH INSULATION	T TBD TO TYP UNO VCT VERT W W/ WD WH WIC WWF

	JOINT
6	KNEE SPACE
(#) ′L	LONG POUND LAMINATED VENEER LUMBER
AX DO ECH FR CRO N CRO N CRO N CRO TD TL	MAXIMUM MEDIUM DENSITY OVERLAY MECHANICAL MANUFACTURER MICROWAVE MINIMUM MASONRY OPENING MOISTURE RESISTANT MOUNTED METAL
C D DM	NOT IN CONTRACT NUMBER NOMINAL
C. D. H. SB Z	ON CENTER OUTSIDE DIAMETER OVERHEAD or OPPOSITE HAND ORIENTED STRAND BOARD OUNCE
REFAB AM YWD R IT IT	PREFABRICATED PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED PAINT PRE-ENGINEERED MTL BLDG
ΓY	QUANTITY
CP EF EINF EQD A D CB	RISER REFLECTED CEILING PLAN REFRIGERATOR, REFERENCE REINFORCED REQUIRED ROOM ROUGH OPENING RUBBER COVE BASE
M Q	SEALED CONCRETE SQUARE FEET SIMILAR SQUARE STAINLESS STEEL STAIN
BD) 'P	TREAD TO BE DETERMINED TOP OF TYPICAL
10	UNLESS NOTED OTHERWISE
CT ERT	VINYL COMPOSITION TILE VERTICAL
v D H IC WF	WASHER, WIDE WITH WOOD WATER HEATER WALK-IN CLOSET WELDED WIRE FABRIC

Lee's Summit, Missouri Architect: MIDWEST ARCHITECTS 1120 NW Eagle Ridge Blvd. Grain Valley, Missouri 64029 t: (816) 229-8115 Ward Development 1120 NW Eagle Ridge Blvd. Grain Valley, Missouri 64029 t: (816) 229-8115 Consultants: MEP Engineering: Casburn Consultants Professional Engineering 128 SW Hillcrest Lane Lee's Summit, MO 64063 t: (816) 726-6531 evisions to technical submissions which are no made or approved by the licensee are prohibited MICHAE MOORES NUMBER A-20090328 ACHITE 02.26.24 lichael Moores, MO Architect #20090328 Project Number: **TENANT FINISH** Project Type: Project Name and Address: BN 64 Centr **SPIRITUS** Ы \ge 2237 ee's Permit Drawings 02.06.24 Plan Review Revision / 1 02.26.24 Sheet Title: COVER / MAP GENERAL NOTES

ADA NOTES

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RELEASED FOR CONSTRUCTION As Noted on Plans Review

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	UL Product iQ ®			Solutions	1l. Framing Members* — Flo shaped, min 3-1/2 in. wide fab RESCUE METAL FRAMING, L L (
8					1J. Framing Members* — Flo shaped, attached to floor and OEG BUILDING MATERIALS —
•	 Authorities Having Jurisdiction sho use of UL Certified products, equip Authorities Having Jurisdiction sho Fire resistance assemblies and prod compliance with applicable required 	ment, system, devices, and mat uld be consulted before constru ducts are developed by the desi	to the particular requirements co rerials. uction. ign submitter and have been inve	estigated by UL for	1K. Framing Members* — Fl a shaped, min 2-1/2 in. deep, fo 24 in. OC. max. CEMCO, LLC — Viper X Track
7	 encountered in the field. When field issues arise, it is recommanufacturer noted for the design each product category and each grand alternate methods of construct Only products which bear UL's Management of the second s	Users of fire resistance assemb oup of assemblies. The Guide I tion.	plies are advised to consult the ge	eneral Guide Information for	1L. Framing Members* — Fle shaped, min. 2-1/2 in. deep, a ALLSTEEL & GYPSUM PRODUC CONSOLIDATED FABRICATORS QUAIL RUN BUILDING MATERI SCAFCO STEEL STUD MANUFA
•		ance Ratings - CAN	IL 263 Certified for Ur /ULC-S101 Certified fo _{Jnited States}		STEEL CONSTRUCTION SYSTEM TELLING INDUSTRIES L L C — 1 UNITED METAL PRODUCTS IN 1M. Floor and Ceiling Runne
	See General Information for Fire Resistance Ra Design Criteria and Allowable Variances	tings - CAN/ULC-S101 Certified fo Design No. L			5/8 in. deep (min), attached to 1N. Framing Members* — Floo runners, 1-1/4 in. wide by min. 2 in. OC max.
6	August 18, 2023	Nonbearing Wall Rati	ng 2 Hz		PANEL REY S A – SUPRA Trac 2. Steel Studs — Min 2-1/2 in assembly height.
•	* Indicates such products shall bear th	-	k for jurisdictions employing the pectively.	he UL or cUL Certification	2A. Framing Members* — St deep, spaced a max of 24 in. C ALLSTEEL & GYPSUM PRODUC CEMCO, LLC — Viper20 [™] CONSOLIDATED FABRICATORS
5					MARINO/WARE, DIV OF WARE IMPERIAL MANUFACTURING O QUAIL RUN BUILDING MATERI SCAFCO STEEL STUD MANUFA STEEL CONSTRUCTION SYSTEM
•	1. Floor and Ceiling Runner — (Not Show ceiling with fasteners 24 in. OC max.	vn) — Min. 25 MSG galv steel, 1	in. return legs, 2-1/2 in. deep (m	in), attached to floor and	TELLING INDUSTRIES L L C — T
4	1A. Framing Members* — Floor and Cei shaped, min 2-1/2 in. deep, attached to flo ALLSTEEL & GYPSUM PRODUCTS INC — Typ CEMCO, LLC — Viper20™ Track	or and ceiling with fasteners 24 be SUPREME D24/30EQD and Type	in. OC. max. e SUPREME D20		2B. Steel Studs — (As an alter corrosion-protected or galv st to be cut 5/8 to 3/4 in. less the
	CONSOLIDATED FABRICATORS CORP, BUILE MARINO/WARE, DIV OF WARE INDUSTRIES IMPERIAL MANUFACTURING GROUP INC – QUAIL RUN BUILDING MATERIALS INC — T	FINC — Viper20™ Track - Viper20™ Track		ME D20	2C. Framing Members* — St fabricated from min 0.015 in. t CLARKDIETRICH BUILDING SYS
•	SCAFCO STEEL STUD MANUFACTURING CO STEEL CONSTRUCTION SYSTEMS INC — Typ TELLING INDUSTRIES L L C — Type SUPREM UNITED METAL PRODUCTS INC — Type SUF	— Type SUPREME D24/30EQD an e SUPREME D24/30EQD and Type E D24/30EQD and Type SUPREME	ad Type SUPREME D20 9 SUPREME D20 D20		DMFCWBS L L C — ProSTUD MBA METAL FRAMING — ProS RAM SALES L L C — Ram ProST STEEL STRUCTURAL PRODUCT
3	1B. Floor and Ceiling Runners — (Not Sh protected or galv steel, min width to accor spaced max 24 in. OC.		-		2D. Framing Members* — St fabricated from min 0.018 in. t TELLING INDUSTRIES L L C — T
	1C. Framing Members* — Floor and Ceil shaped, min 2-1/2 in. wide fabricated from CLARKDIETRICH BUILDING SYSTEMS — CD	min 0.015 in. thick galv steel, a			2E. Framing Members* — Sto fabricated from min 25 MSG s KIRII (HONG KONG) LTD — Typ 2F. Framing Members* — Sto
•	DMFCWBS L L C — ProTRAK MBA METAL FRAMING — ProTRAK RAM SALES L L C — Ram ProTRAK				spaced a max of 24 in. OC. Stu MARINO/WARE, DIV OF WARE 2G. Framing Members* — St
2	STEEL STRUCTURAL PRODUCTS L L C — Tri- 1D. Framing Members* — Floor and Cei	l ing Runners — (Not Shown) –			formed of min 25 MSG galv st EB METAL INC — NITROSTUD 2H. Framing Members* — St formed of min 25 MSG galv st
	shaped, min 2-1/2 in. wide fabricated from TELLING INDUSTRIES L L C — TRUE-TRACK [™] 1E. Framing Members* — Floor and Ceil shaped, min 2-1/2 in. wide fabricated from	ing Runners — (Not Shown) —	- As an alternate to Item 1 - For u	use with Item 2E, channel	OLMAR SUPPLY INC — PRIMES 21. Framing Members* — Ste studs, fabricated from min 25
•	KIRII (HONG KONG) LTD — Type KIRII 1F. Floor and Ceiling Runners — (Not Sh use with studs specified below, attached to MARINO/WARE, DIV OF WARE INDUSTRIES	own) — Channel shaped, min w o floor and ceiling with fastener	vidth to accommodate stud size, v		cut 3/8 to 3/4 in. less than asso MARINO/WARE, DIV OF WARE 2J. Framing Members* — Ste spaced a max of 24 in. OC. Stu
	IMPERIAL MANUFACTURING GROUP INC -				BAILEY METAL PRODUCTS LTD 2K. Framing Members* — St fabricated from min 0.018 in. t
1	1G. Framing Members* — Floor and Cei shaped, min 2-1/2 in. deep, attached to flo MARINO/WARE, DIV OF WARE INDUSTRIES	or and ceiling with fasteners 24		use with Item 2G, channel	RESCUE METAL FRAMING, L L C 2L. Framing Members* — Sto formed of min 25 MSG galv st
	1H. Framing Members* — Floor and Cei shaped, attached to floor and ceiling with BAILEY METAL PRODUCTS LTD — Type PLAT	fasteners 24 in. OC. max.	– As an alternate to Item 1 - For i	use with Item 2J. Channel	OEG BUILDING MATERIALS —
•	Н	•	G	•	F

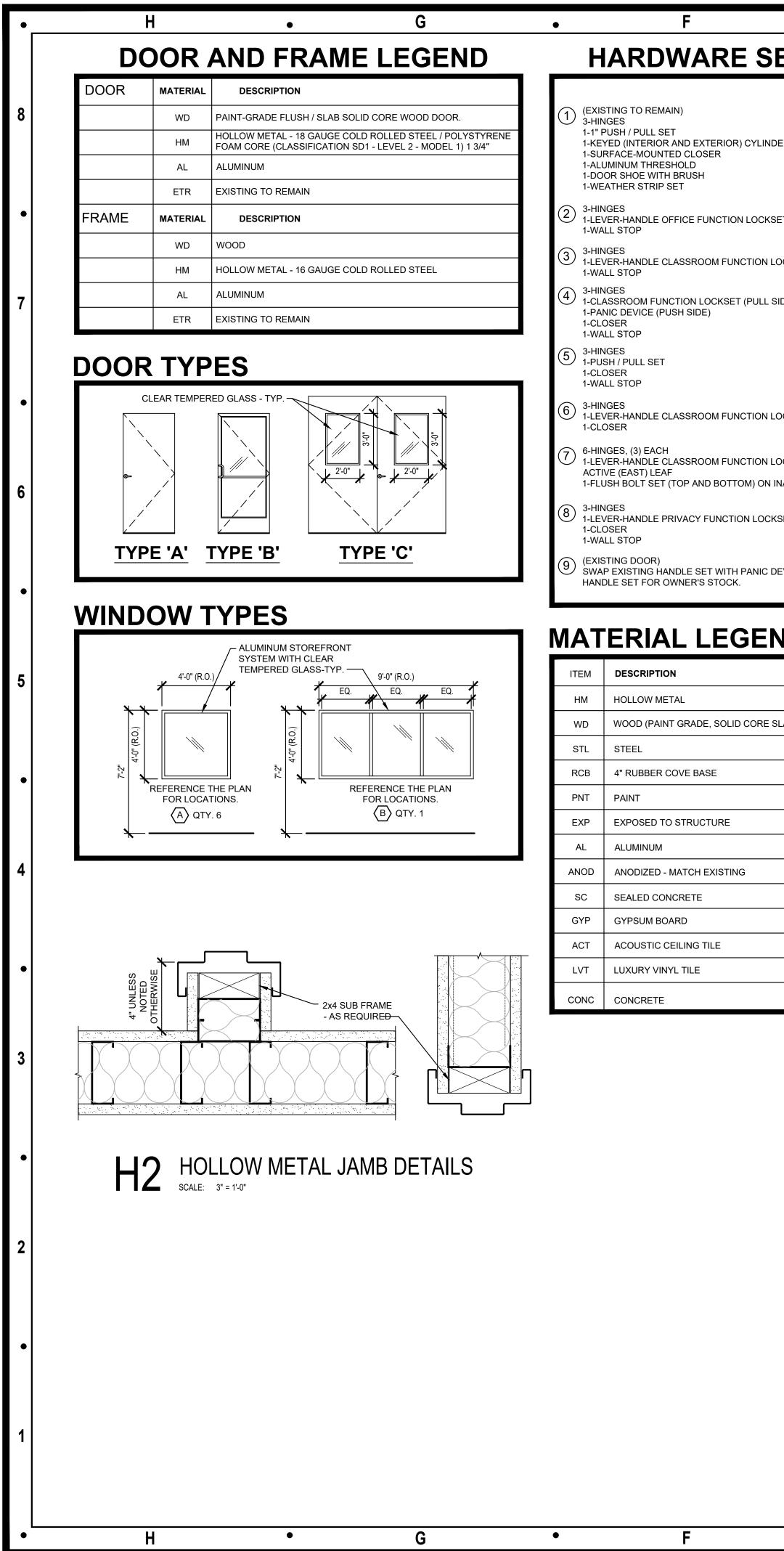
• E •	D • C • B	• A	Architect:
nd Ceiling Runners — (Not Shown) — As an alternate to Item 1 - For use with Item 2K, channel	2M. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1K, channel shaped studs, min 2-1/2 in.		
ed from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners 24 in. OC. max. AlphaTRAK	deep, formed of min. 25 MSG (0.018 in. min. bare metal thickness), spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. CEMCO, LLC — Viper X		
nd Ceiling Runners — (Not Shown) — As an alternate to Item 1 - For use with Item 2L. Channel			8 MIDWEST ARCHITECTS 1120 NW Eagle Ridge Blvd.
ng with fasteners 24 in. OC. max. Track	2N. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1L, channel shaped studs, min depth 2-1/2 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D25		Grain Valley, Missouri 64029 t: (816) 229-8115
and Ceiling Runners — (Not Shown) — As an alternate to Item 1 - For use with Item 2M, channel	CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D25		
d of min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners	QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D25		Client: Ward Development
	SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D25		1120 NW Eagle Ridge Blvd.
and Ceiling Runners — (Not Shown) — As an alternate to Item 1 - For use with Item 2N. Channel ned to floor and ceiling with fasteners 24 in. OC. max.	STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D25 TELLING INDUSTRIES L L C — Type SUPREME D25		Grain Valley, Missouri 64029 t: (816) 229-8115
NC — Type SUPREME D25 RP, BUILDING PRODUCTS DIV — Type SUPREME D25	UNITED METAL PRODUCTS INC — Type SUPREME D25		
INC — Type SUPREME D25			Consultants:
RING CO — Type SUPREME D25	2O. Framing Members — Steel Studs — (As an alternate to Item 2) For use with Items 1M and 4O - channel shaped studs min 1-5/8 in. deep, formed of 25 MSG galv steel, max stud spacing 24 in. OC. Studs cut 3/8 in. to 3/4 in. less than assembly height.		MEP Engineering:
C — Type SUPREME D25			Casburn Consultants Professional Engineering
ype SUPREME D25	2P. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 – For use with Item 1N, proprietary channel shaped steel studs, min 1- 1/4 in. wide by min 2-1/2 in. deep with 1/4 in. return lips fabricated from min 0.019 in. thick galv steel, spaced 24 in. OC max. Studs cut 3/4 in. less in length than assembly height.		128 SW Hillcrest Lane
	PANEL REY S A – SUPRA Stud 20EQ/19 mil		Lee's Summit, MO 64063 t: (816) 726-6531
(Not shown) - As an alternate to Item 1, For use with Items 2O and 4O - Min 25 MSG galv steel, 1-	3. Batts and Blankets* — (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.		
or and ceiling with fasteners 24 in. OC. max.	See Batts and Blankets (BZJZ) category for names of manufacturers		
l Ceiling Runner — Not Shown — In lieu of Item 1 – For use with Item 2P, proprietary channel shaped n. deep fabricated from min 0.019 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24	ROCKWOOL — Type AFB, min. density 1.69 pcf / 27.0 kg/m ³ ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts		
EQ/19 mil			6
	3A. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material.		
eep, formed of min 25 MSG galv steel max stud spacing 24 in. OC. Studs to be cut 3/4 in. less than	The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft ³ . Alternate Application Method: The fiber is applied without water or adhesive at a		
Studs — As an alternate to Item 2 — For use with Item 1G, channel shaped studs, min 2-1/2 in.	nominal dry density of 3.5 lb/ft ³ , in accordance with the application instructions supplied with the product. Applegate Greenfiber Acquisition LLC — Insulmax and SANCTUARY for use with wet or dry application.		
Studs to be cut 3/4 in. less than assembly height. NC — Type SUPREME D24/30EQD and Type SUPREME D20	3B. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) — 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.		
RP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20	NU-WOOL CO INC — Cellulose Insulation		
DUSTRIES INC — Viper20™ JP INC — Viper20™	3C. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to		
INC — Type SUPREME D24/30EQD and Type SUPREME D20	completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft ³ .		Revisions to technical submissions which are not
RING CO — Type SUPREME D24/30EQD and Type SUPREME D20	INTERNATIONAL CELLULOSE CORP — Celbar-RL		made or approved by the licensee are prohibited.Seal:
VC — Type SUPREME D24/30EQD and Type SUPREME D20 SUPREME D24/30EQD and Type SUPREME D20	3D. Deleted. 3E. Foamed Plastic* — As an alternate to Batts and Blankets (Item 3), for use with Item 4Q — Spray applied, foamed plastic insulation, at any		OCU.
Type SUPREME D24/30EQD and Type SUPREME D20	thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in.		ALLE MICHAEL
			MOORES
			• NUMBER A-2009032812
			A TRCHITECT DODA
	CARLISLE SPRAY FOAM INSULATION — Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.		02.06.24
e to Item 2, For use with Item 4D, 4H, and 4J) — Channel shaped, fabricated from min 20 MSG 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs	3F. Foamed Plastic* — As an alternate to Batts and Blankets (Item 3), for use with Item 4R — Spray applied, foamed plastic insulation, at any		Michael Moores, MO Architect #2009032812
ssembly height.	thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG thickness.		Project Number: 2313 Project Type: TENANT FINISH
Studs — As an alternate to Item 2 — For use with Item 1C, channel shaped studs, min 2-1/2 in. wide c galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.	BASF CORP- Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, Walltite® HP+, FE137®, FE158®, Spraytite® 158, Spraytite® SP, Spraytite® 81205, Spraytite® Comfort XL, and Walltite® XL		Project Name and Address:
IS — CD ProSTUD	4. Gypsum Board* — 5/8 in. thick, outer layer paper, glass mat or vinyl surfaced. (Laminated System) Gypsum board applied vertically		
	in two layers. Inner layer attached to studs with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges, and 12 in. OC in the field and outer layer laminated to inner layer with joint compound, applied with a notched spreader producing continuous beads of		
	compound about 3/8 in. in diameter, spaced not greater than 2 in. OC. Joints of laminated outer layer offset 12 in. from inner layer		• • • • • • • • • • • • • • • • • • •
C — Tri-S ProSTUD	joints Outer layer gypsum board attached to floor and ceiling runner track with 1-5/8 in. long Type S steel screws spaced 12 in. OC. Optional, (Direct Attached System), Inner layer attached to studs with 1 in. long Type S steel screws spaced 16 in. OC in the field and along the vortical edges. Outer layer attached to the stude gyps the inner layer with 1.5 % in long Type S steel screws spaced 16 in. OC in the field and along the		e Blvd. i 6406⁄
	vertical edges. Outer layer attached to the studs over the inner layer with 1-5/8 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges and 12 in. OC to the floor and ceiling runners. Joints of screw-attached outer layer offset from inner layer joints. Joints of outer layer may be taped or untaped		ی TUS Missouri
Studs — As an alternate to Item 2 — For use with Item 1D, channel shaped studs, min 2-1/2 in. wide galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.	layer may be taped or untaped. Nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.		SPIRITUS W Town Cent ummit, Missou
STUD™	AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass, AGX-11, LightRoc		mit, Town
tuds — As an alternate to Item 2 — For use with Item 1E, channel shaped studs, min 2-1/2 in. wide spaced a may of 24 in OC Studs to be cut 3/4 in less than assembly beight	BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1		S Z
spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.	CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, GlasRoc-2, Type X-1, Type C, or 5/8" Easi-Lite Type X, Type LWTX		37 S
tuds — As an alternate to Item 2 — For use with Item 1G, channel shaped studs, min 2-1/2 in. deep,	CGC INC — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC or WRX		Lee
o be cut 3/4 in. less than assembly height. USTRIES INC — Viper20™	CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX, CLLX		
Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, Min 2-1/2 in. deep,	GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer		
nax stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.	Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type-DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Construction of the two second secon		Issue: Date:
Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, Min 2-1/2 in. deep,	Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSW, FSW-3, FSW-5, FSW-6, FSW-6, FSW-C, FSW-G, FSMR-C, FSL, Type SBWB, RSX.		Permit Drawings 02.06.24
ax stud spacing 24 in. OC. Studs to be cut 3/4 in. less than assembly height.	NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.		
ide Ac an alternate to Item 2. For use with Item 44 (2.5 (2.5 (2.1))) is the state of the sta	PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type C, PG-3, PG-5, PG-9, PG-11, PG-C, PGS-WRS, PGI		
ds — As an alternate to Item 2 — For use with Item 1A (3-5/8 in. wide track), channel shaped orrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be	PANEL REY S A — Types GREX, GRIX, PRX, RHX, MDX, ETX, PRC, PRC2, PRX2		
height. STRIES INC — StudRite™	SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1 SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air,		
uds — As an alternate to Item 2 — For use with Item 1H, channel shaped, min 3-5/8 in. wide,	Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air		•
be cut 3/8 to 3/4 in. less than assembly height. De PLATINUM PLUS	THAI GYPSUM PRODUCTS PCL — Type C, M2Tech Type C andType X		
uds — As an alternate to Item 2 — For use with Item 1I, channel shaped studs, min 3-1/2 in. wide	THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX		Sheet Title:
galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. IphaSTUD	UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, USGX, WRC, WRX		U.L. LISTING
	USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX		¹ DESIGN NO.
Studs — As an alternate to Item 2 — For use with Item 1J, channel shaped studs, Min 2-1/2 in. deep, max stud spacing 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.			U411
Stud	4A. Gypsum Board* — (As an alternate to Item 4) — Nom 3/4 in. thick, installed as described in Item 4 with 1-1/4 in. long Type S screws for outer layer.		

RELEASED FOR CONSTRUCTION As Noted on Plans Review

•	H • G •	F
	CGC INC — Types AR, IP-AR UNITED STATES GYPSUM CO — Types AR, IP-AR	4M. Wall and Partition Facing applied vertically and secured a
8	USG MEXICO S A DE C V — Types AR, IP-AR	PABCO BUILDING PRODUCTS L
•	 4B. Gypsum Board* — (As an alternate to Items 4 and 4A) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Horizontal joints need not be backed by steel framing. Secured as described in Item 4 for the direct attached system. When used in widths other than 48 in., gypsum panels to be installed horizontally. CERTAINTEED GYPSUM INC — Type C, Type GlasRoc CGC INC — Type SHX SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine MR, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc 	4N. Gypsum Board* — (As an gypsum panels applied vertical spaced 24 in. OC. Second layer Third layer installed with joints with joints in line with second l previous layer. When applied v offset one stud cavity and secu secured with 1-1/2 in. Type S s in. Type S screws spaced 8 in. C NATIONAL GYPSUM CO — Type
	DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air	40. Gypsum Board* — (As an
7	THAI GYPSUM PRODUCTS PCL — Type X, and Type C, M2Tech Type C UNITED STATES GYPSUM CO — Type SHX, FRX-G USG MEXICO S A DE C V — Type SHX	horizontally. Inner layer attache and bottom tracks. Outer layer along the top and bottom trac Horizontal edge joints and hor Horizontal edge joints and hor NATIONAL GYPSUM CO — Type
•	4C. Gypsum Board* — (As an alternate to Items 4, 4A and 4B) — Two layers of 5/8 in. thick gypsum board applied horizontally or vertically. Inner layer attached to studs with No. 6 by 1 in. long Type S bugle head screws spaced 24 in. OC along the top and bottom tracks starting 2 in. and then 12 in. from the vertical edge. Inner layer screws spaced 24 in. OC along the studs, starting 2 in. and then 12 in. from the top and bottom of the studs and starting 1-1/4 in. from the horizontal joints when installed horizontally. Outer layer attached to studs with 1-5/8 in. long Type S bugle head screws spaced 16 in. OC along the top and bottom tracks starting 1-3/4 in. from the vertical edge. Outer layer screws spaced 16 in. OC along the studs, starting 1-3/4 in. and then 8 in. from the top and bottom of the studs and starting 16 in. OC along the studs, starting 1-3/4 in. when installed horizontally. Vertical edge. Outer layer screws spaced 16 in. OC along the studs, starting 1-3/4 in. and then 8 in. from the top and bottom tracks starting 1-1/4 in.	4P. Wall and Partition Facing vertically or horizontally. Faster PABCO BUILDING PRODUCTS L
	studs and starting 1-1/4 m. and then a m. from the horizontal joints when installed horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers staggered a min of 12 in. When outer layers are installed horizontally, vinyl or casein, dry or premixed joint compound shall be applied in two coats to joints and screw heads of outer layer. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Nom 3/32 in. thick gypsum	4Q. Gypsum Board* — (As an alto listed in Item 5 above. Applied ve panels secured to studs with 1 in. attached to studs over inner layer
6	veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints or outer layer plaster. Norm 5/32 M. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W	4R. Gypsum Board*— (As an a Gypsum Board listed in Item 5 opposite sides of studs. Gypsu the field. For 2 layer assemblies OC.
•	4D. 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 2B) — 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 perimeter and 12 in. OC in the field. RAY-BAR ENGINEERING CORP — Type RB-LBG	5. Lead Batten Strips — (Not thickness of 0.125 in. Strips pla S-12 pan head steel screws, or meeting the Federal specificati board (Item 4D) and optional a
5	4E. Gypsum Board* — (As an alternate to Items 4 through 4D) — 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 — Types QuietRock ES	5A. Lead Batten Strips — (No of0.140 in. Strips placed on the one at the top of the strip and of the strip. Lead batten strips strips required behind vertical
	4F. Gypsum Board* — (As an alternate to Items 4 through 4E) —5/8 in. thick, applied vertically or horizontally as the outer layer to one side of the assembly. Horizontal joints need not be backed by steel framing. Secured as described in Item 4 for the direct attached system. When used in widths other than 48 in., gypsum panels to be installed horizontally. CERTAINTEED GYPSUM INC — Type SilentFX	6. Lead Discs or Tabs — (Not soptional at other locations - M or max 1/2 in. by 1-1/4 in. by n installation of the screws. Lead
•		
4	4G. Gypsum Board* — As an alternate to Item 4 — Nom. 5/8 in. thick, inner layer attached vertically to studs with 1 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges. Outer layer attached to the studs horizontally over the inner layer with 1-5/8 in. long Type S steel screws spaced 16 in. OC in the field and along the vertical edges and 12 in. OC to the floor and ceiling runners. Joints of outer layer must be taped. Nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. CABOT MANUFACTURING ULC — Type Blueglass Exterior Sheathing PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-11, PGS-WRS	 6A. Lead Discs — (Not Shown, adhered over steel screw heads 7. Mineral and Fiber Board* – thick, 4 ft wide with long dimender long Type S steel screws, space fastener type and spacing, exceptioner type and spacing, exceptioner type and spacing, exceptioner type and spacing the space of the HOMASOTE CO — Homasote Type
•	4H. Gypsum Board* — (Not Shown) — (As an alternate to Items 4. For direct attachment only to steel studs Item 2B) — For Direct Application to Studs Only- For use as the base layer on one or both sides of the wall. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type S 12 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. Fasteners for face layer gypsum panels when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4. To be used with Lead Batten Strips (see Item 5A) or Lead Discs (see Item 6A).	7A. Mineral and Fiber Board - thick, 4 ft wide, square edge fik Classified Gypsum Board (Item screws spaced 2 in. and 6 in. fro that the required fastener leng layer(s) of UL Classified Gypsur BLUE RIDGE FIBERBOARD INC -
3	MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum 4I. Gypsum Board* — (As an alternate to Item 4, not for use with Items 1C and 2C or 1L and 2N) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4. CGC INC — Type ULX	8. Furring Channels — (Option min 25 MSG corrosion-protect in. long Type S-12 steel screws
•	UNITED STATES GYPSUM CO — Type ULX USG MEXICO S A DE C V — Type ULX	8A. Framing Members* — (O to Item 8, furring channels and a. Furring Channels — Formed perpendicular to studs. Channe
2	4J. Gypsum Board* — (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 2B) — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws 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 2/8 in diam by may 0.095 in thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity.	 b. Steel Framing Members* – (2.75) clips secured to studs wi RSIC-V (2.75) clips secured to s channels are friction fitted into (2.75) clips for use with 2-23/33 PAC INTERNATIONAL L L C — T
	 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". RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall 4K. Gypsum Board — (As an alternate to Items 4 through 4J, not for use with Items 1C and 2C.) — Two layers of nominal 15 mm thick gypsum board applied vertically. Inner layer attached to studs with No. 3.5 x 1-3/8 in. long bugle head, self-drilling screws spaced 23- 	8B. Framing Members* — (Op to Item 8, furring channels and a. Furring Channels — Former described in Item b. Ends of ad wire.Gypsum board attached to
•	5/8 in. OC in the field and 15-3/4 in. OC in the perimeter, with the first screw 2 in. from the edge. Outer layer attached to the studs over the inner layer with No. 3.5 x 1-3/4 in. long bugle head, self-drilling screws spaced 11-13/16 in. OC in the field and 7-7/8 in. OC in the perimeter, with the first screw 3/4 in. from the edge. Outer layer screws staggered from inner layer screws. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layer staggered one stud cavity. Self-adhesive fiberglass mesh (9x9 mesh) tape, nom 2 in. wide, applied over all joints of outer layer panels. Dry or premixed joint compound applied in two coats to joints over the mesh tape and screw heads of outer layer.	b. Steel Framing Members* – in. coarse drywall screw with 1 STUDCO BUILDING SYSTEMS – 8C. Steel Framing Members* alternate to Item 8, furring cha
1	GYPSEMNA CO LLC — Types MRFW, FW, TF 4L. Gypsum Board* — (As an alternate to Items 4 through 4K) — Two layers of 5/8 in. thick gypsum board applied vertically or horizontally. Inner layer attached to studs with #6 x 1 in. long bugle head screws spaced 12 in. OC along the top and bottom tracks and 16 in. OC in the field and along the vertical edges. Outer layer attached to studs with #6 x 1-5/8 in. long bugle head screws	a. Furring Channels — Former described in Item 8Cb. Ends of steel wire. Gypsum board attac b. Steel Framing Members* –
	spaced 12 in. OC along the top and bottom tracks and 16 in. OC in the field and along the vertical edges. Vertical joints are centered over studs and staggered between layers and on opposite sides of the wall. Horizontal joints on the face layer are staggered 12 in. from the base layer. Horizontal joints need not to be backed by steel framing. CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD	No. 8 x 2-1/2 in. coarse drywal REGUPOL AMERICA — Type Sor
•	H • G •	F

F	D •	С		В	•	Δ	Architect:	03/13
▼▼	- •	~				~]	
cings and Accessories* — (As an alternate to Items 4 through 4L) — Nominal 5/8 in. thick, 4 ft wide panels, ed as described in Item 4. IS L L C, DBA PABCO GYPSUM — Type QuietRock 527.	8D. Steel Framing Members* — (Optional on one alternate to Item 8, furring channels and Steel Fram a. Resilient Channels — Formed of No. 25 MSG ga described in Item b. Ends of adjoining channels ove	ning Members as described below alv steel, spaced 24 in. OC, and pe	<i>w</i> : erpendicular to studs. Channels see	ured to studs as			g MIDWEST ARC	HITECTS
an alternate to Item 4 through 4M) — For direct application to studs only - Four layers nom. 5/16 in. thick tically or horizontally. When applied horizontally, base layer secured to studs with 1 in. Type S screws ayer installed with joints offset 12 in. from base layer and secured with 1 in. Type S screws spaced 24 in. OC. ints in line with base layer and secured with 1-1/2 in. Type S screws spaced 16 in. OC. Fourth layer installed	b. Steel Framing Members* — Used to attach rest with No. 8 x 2-1/2 in. coarse drywall screw through	rlap. Gypsum board attached to r ilient channels (Item 8Da) to stud	esilient channels as described in It Is. Clips spaced 48 in. OC., and sect	em 4. Ired to studs			• 1120 NW Eagle Grain Valley, M t: (816) 229-811	Ridge Blvd. ssouri 64029
nd layer and secured with 1-5/8 in. Type S screws spaced 12 in. OC. For all layers, screws offset 4 in. from ed vertically, base layer secured with 1 in. Type S screws spaced 24 in. OC. Second layer secured with joints secured with 1 in. Type S screws spaced 24 in. OC. Third layer installed with joints in line with base layer and S screws spaced 12 in. OC. Fourth layer secured with joints in line with second layer and secured with 1-5/8	pan-head self-drilling screw. KEENE BUILDING PRODUCTS CO INC — Type RC+ As	ssurance Clip					Client: Ward Developr	nent
in. OC along vertical edges and 12 in. OC in the field. For all layers, screws offset 4 in. from previous layer. Type FSW	8E. Steel Framing Members* — (Optional on one alternate to Item 8, furring channels and Steel Fram a. Furring Channels — Formed of No. 25 MSG gal described in Item b. Ends of adjoining channels ove wire. Gypsum board attached to furring channels a	ning Members as described belov Iv steel. Spaced 24 in. OC perpend erlapped 6 in. and tied together v	<i>w</i> : dicular to studs. Channels secured	to studs as			1120 NW Eagle Grain Valley, M t: (816) 229-81	issouri 64029
ached to studs with 1 in. long Type S screws spaced 16 in. OC in the field and vertical edges and along top aver attached to studs with 1-5/8 in. long Type S screws spaced 16 in. OC in the field and vertical edges and tracks. Vertical joints are centered over studs and staggered between layers and on opposite sides of studs. horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing.	b. Steel Framing Members* — Used to attach fur No. 10 x 2 in. screw through the center hole. Furrin MASON INDUSTRIES INC — Type CWC-50	ring channels (Item 8Ea) to studs.		ed to studs with			7	
horizontal butt joints in adjacent layers need not be staggered. Fype FSLX ings and Accessories* — (As an alternate to Item 4) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied	8F Steel Framing Members* — (Optional on one alternate to Item 8, furring channels and Steel Fram a Furring Channels — Formed of No. 25 MSG galv	ning Members as described below	<i>N</i> :				MEP Engineeri Casburn Consu Professional Er 128 SW Hillcres	ltants gineering
stened with #6 x 2 in. long drywall screws spaced 8 in. OC along the perimeter and 12 in. OC in the field. IS L L C, DBA PABCO GYPSUM — Type QuietRock 545	Channels secured to studs as described in Item b. E strand of No. 18 SWG galv steel wire near each end and secured together with two self-tapping #6 fran each flange of the channel. Gypsum board attached	Ends of adjoining channels are ov d of overlap. As an alternate, end ming screws, min. 7/16 in. long at	verlapped 6 in. and tied together w s of adjoining channels may be ove the midpoint of the overlap, with	ith double rlapped 6 in.			Lee's Summit, I t: (816) 726-653	MO 64063
a alternate to Item 5 when Foam Plastic insulation (Item 3E) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board d vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum 1 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be ayer with the 1-5/8 in. long steel screws spaced 8 in. OC.	b Steel Framing Members* — Used to attach furr studs with No. 8 x 2-1/2 in. coarse drywall screw th CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDi	rough the center grommet. Furri						
an alternate to Item 5 when Foam Plastic insulation (Item 3F) is used) — Any 5/8 in. thick, 4 ft. wide, n 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on psum panels secured to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC at perimeter and in plies outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in.	9. Barrier Mesh — (Optional, Not Shown) - Attach maximum 12 inches on center vertically, using a fla Studs less than 0.033 inches in thickness, use self-p use steel drill screws (self-tapping). Gypsum Board patterns with lengths increased by a minimum 1/8 positioned vertically or horizontally. Barrier Mesh jo	ed to steel studs on one or both at head type screw penetrating th biercing screws. For Steel Studs ed (Item 4) to be installed directly o in. Barrier Mesh may be installed	rough the steel at least 3/8 of an in qual to or greater than 0.033 inche ver the Barrier Mesh using prescrit with the long dimension of the di	nch. For Steel s in thickness, ped screw amond pattern			6	
placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type , 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% cation QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum hal at remaining stud locations. Required behind vertical joints.	Mesh Clips or occur in between framing members a center. CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh	as overlapping joints secured using	_				•	
(Not Shown, for use with Item 4H) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top ips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten	* Indicates such products shall bear the UL or	cUL Certification Mark for juris (such as Canada), respectively.	,	L Certification d on 2023-08-18				al submissions which are not by the licensee are prohibited.
cal joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations. Iot Shown, For Use With Item 4D) — Used in lieu of or in addition to the lead batten strips (Item 5) or - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4D) underneath screw locations prior to the	The appearance of a company's name or product in this under UL Solutions' Follow - Up Service. Only those pro Solutions' Follow - Up Service. Always look for the Mark UL Solutions permits the reproduction of the material c Assemblies, Constructions, Designs, Systems, and/or Ce	oducts bearing the UL Mark should b k on the product. contained in Product iQ subject to th	e considered to be Certified and cove e following conditions: 1. The Guide I	red under UL nformation,			Seal:	OF MISSOL
ead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".	without any manipulation of the data (or drawings). 2. T	The statement "Reprinted from Prod	uct iQ with permission from UL Soluti	ons" must appear			A	MICHAEL MOORES NUMBER -2009032812
wn, for use with Item 4H) — Max 5/16 in. diam by max0.140 in. thick lead discs compression fitted or eads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".	adjacent to the extracted material. In addition, the repri	inted material must include a copyri	ght notice in the following format: "©	2024 UL LLC."				CHITEC 02.06.24 10 Architect #2009032812
d* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. mension parallel and centered over studs. Attached to studs and floor and ceiling runners with 1-5/8 in. paced 12 in. OC. The required UL Classified gypsum board layer(s) is/are to be installed as indicated as to except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or the required layer(s) of UL Classified Gypsum Board. The required layer(s) of UL Classified Gypsum Board.							Project Number Project Type: Project Name a	TENANT FINISH
ard — (Optional, Not Shown) — For optional use as an additional layer on one side of wall - Nom 1/2 in. e fiber boards applied vertically to studs on one side of the wall in between the wood studs and the UL seen 4). Fiber boards installed with 1-1/4 in. long, Type S steel screws spaced 12 in. OC max, with the last h. from edge of board. Gypsum board (Item 4) installed as indicated as to fastener type and spacing, except ength shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required bosum Board. MC — SoundStop							ا	Centre Blvd. Iissouri 64064
ptional, Not Shown — not for use with Items 4D, 4H, 4J, or 4N) — Resilient furring channels fabricated from tected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 ews.							SPIRITUS	NW Town C Summit, Mis
(Optional on one or both sides, Not Shown — not for use with Items 4D, 4H, 4J, or 4N) — As an alternate and Steel Framing Members as described below: med of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC annels secured to studs as described in Item b.								2237 N Lee's Si
s* — Used to attach furring channels (Item 8Aa) to studs. Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 s with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V 3/32 in. wide furring channels.							• Issue: Permit Drawing	Date: s 02.06.24
(Optional on one or both sides, Not Shown — Not for use with Items 4D, 4H, 4J, or 4N) — As an alternate and Steel Framing Members as described below: med of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as f adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel ed to furring channels as described in Item 4.							2	
s* — Used to attach furring channels (Item a) to studs. Clips spaced 48 in. OC., and secured to studs with 2 h 1 in. diam washer through the center hole. Furring channels are friction fitted into clips. S — RESILMOUNT Sound Isolation Clips - Type A237R							•	
rs* — (Optional on one or both sides, Not Shown — Not for use with Items 4D, 4H, 4J, or 4N) — As an channels and Steel Framing Members as described below: med of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as s of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized ttached to furring channels as described in Item 4.							1 ∎	ING - CONT'D
s* — Used to attach furring channels (Item 8Ca) to studs. Clips spaced 48 in. OC, and secured to studs with wall screw through the center hole. Furring channels are friction fitted into clips. SonusClip								SIGN NO. U411
							 A-	UU4

RELEASED FOR CONSTRUCTION As Noted on Plans Review Development Services Department Lee's Summit, Missouri 03/13/2024



•			Ε				D			•			С		•
ETS			DO	OR SCHE	DUL	Е									
			DOO	R				FRAME			DETAIL	S - (SEE S	HEET A-XXX)		KEY NOTES / CO
		NO.	TYPE	SIZE	MATERIAL	PUSH FINISH	PULL FINISH	MATERIAL	PUSH FINISH	PULL FINISH	HEAD	JAMB	THRESHOLD	HARD- WARE	
IDER LOCK		110	В	1 3/4" X 3'-0" X 7'-0" (ETR)	AL	ANOD	ANOD	AL	ANOD	ANOD	-	-	-	1	А., В.
			А	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	2	
SET		112	А	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	2	
LOCKSET		113	А	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	2	
LUCKSET	1	114	A	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ		PNT	-	H2/A-005		2	\sim
SIDE)	(-	115		<u> </u>	WD							H2/A-005		3	
		116	A	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	4	
		117	A	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	5	
LOCKSET		118	A	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	6	
LOCKSET ON		119	А	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	5	
I INACTIVE LEAF		120	А	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	3	
KSET		121	A	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	2	
		130A	В	1 3/4" X 3'-0" X 7'-0" (ETR)	AL	ANOD	ANOD	AL	ANOD	ANOD	-	-	-	1	А., В.
DEVICE, SALVAGE		130B	А	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	6	
		1300	с	1 3/4" X 4'-0" X 8'-0" (PAIR)	НМ	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	7	
ND		131	А	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	8	
		132	A	1 3/4" X 3'-0" X 7'-0"	WD	PNT	PNT	НМ	PNT	PNT	-	H2/A-005	-	2	
SLAB DOOR)		140A	А	1 3/4" X 3'-0" X 7'-0" (ETR)	НМ	PNT	PNT	НМ	PNT	PNT	-	-	-	9	
		140B	A	1 3/4" X 3'-0" X 7'-0" (ETR)	НМ	PNT	PNT	НМ	PNT	PNT	-	-	-	9	
		1400	А	1 3/4" X 3'-0" X 7'-0" (ETR)	НМ	PNT	PNT	НМ	PNT	PNT	-	-	-	ETR	
			KEY N	NOTES:											

A. EXISTING FRAME, DOOR, AND HARDWARE TO REMAIN

B. INSTALL A SIGN ABOVE THIS DOOR THAT READS, "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED"

INTERIOR FINISH SCHEDULE

ROOM		FLOOR	BASE	WALL FINISH	WALL FINISH	WALL FINISH	WALL FINISH	CEIL		сомме
NUMBER	ROOM NAME	MATERIAL	MATERIAL	(NORTH)	(EAST)	(SOUTH)	(WEST)	MATERIAL	FINISH	
110	OPEN OFFICE	CPT	RCB	PNT	PNT	PNT	PNT	ACT	-	
111	OFFICE	CPT	RCB	PNT	PNT	PNT	PNT	ACT	-	
112	OFFICE	CPT	RCB	PNT	PNT	PNT	PNT	ACT	-	
113	OFFICE	CPT	RCB	PNT	PNT	PNT	PNT	ACT	-	
\sim ¹¹⁴ \sim			RCB					ACI		
	STORAGE	SC	RCB	PNT						$\mathbf{)}$
116	BREAK ROOM	SC	RCB	PNT	PNT	PNT	PNT	ACT	-	1.
117	MEN	LVT	RCB	PNT	PNT	PNT	PNT	ACT	-	1.
118	HALL	SC	RCB	PNT	PNT	PNT	PNT	ACT	-	
119	WOMEN	LVT	RCB	PNT	PNT	PNT	PNT	ACT	-	1.
120	STORAGE	SC	RCB	PNT	PNT	PNT	PNT	ACT	-	
121	CONFERENCE ROOM	CPT	RCB	PNT	PNT	PNT	PNT	ACT	-	
130	LABORATORY	SC	RCB	PNT	PNT	PNT	PNT	ACT	-	1.
131	UNISEX	LVT	RCB	PNT	PNT	PNT	PNT	ACT	-	1.
132	ANALYTICAL ROOM	CPT	RCB	PNT	PNT	PNT	PNT	ACT	-	
140	PRODUCTION AREA	-	-	PNT	PNT	PNT	PNT	EXP	-	1, 2.
	COMMENTS:									

WALLS WITHIN 2' OF SERVICE SINKS, URINALS, AND WATER CLOSETS MUST BE PAINTED WITH EPOXY-BASED PAINT UP TO A MINIMUM OF 4' A.F.F.
 PAINT THE OUTSIDE WALLS OF THE OFFICE AND LAB.

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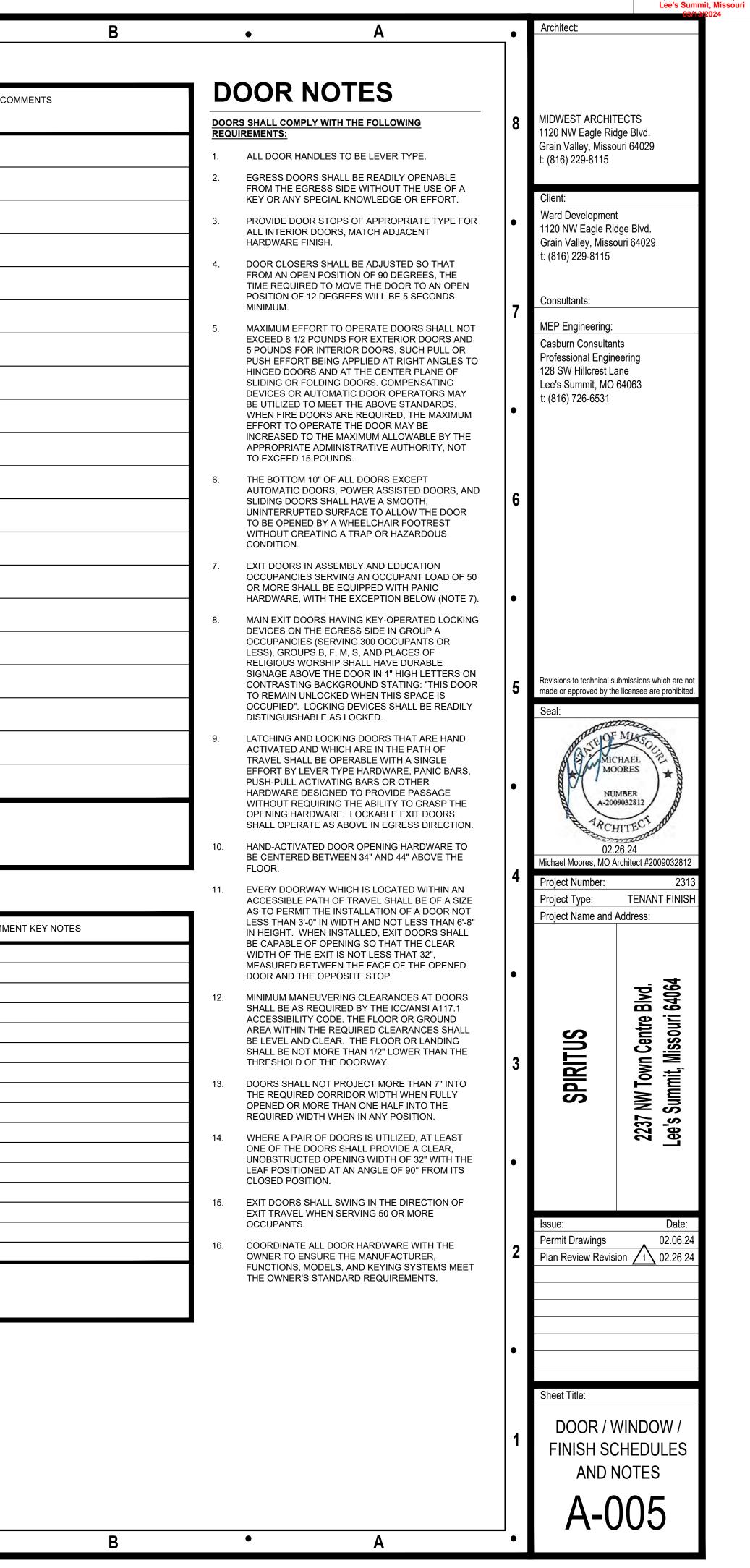
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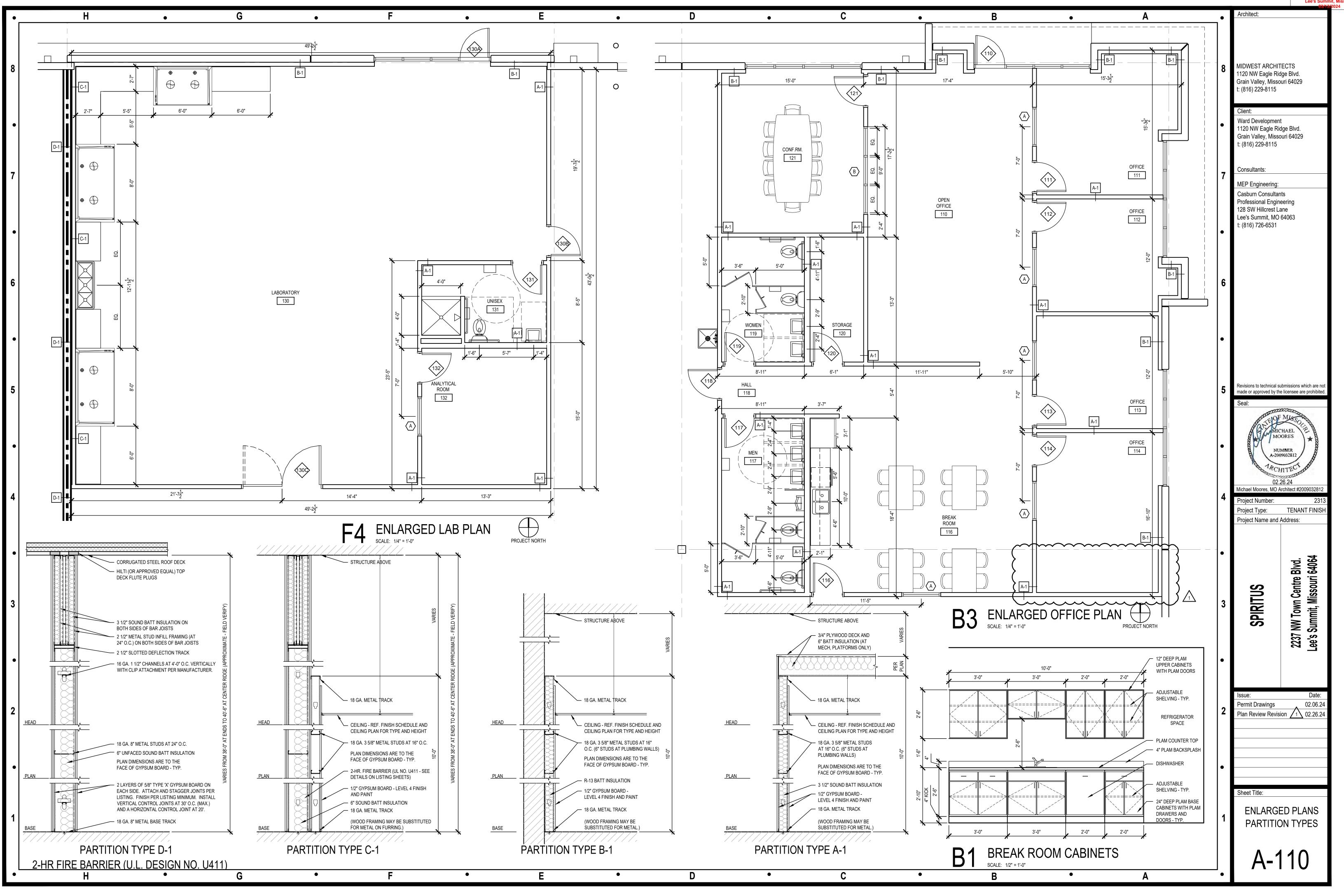
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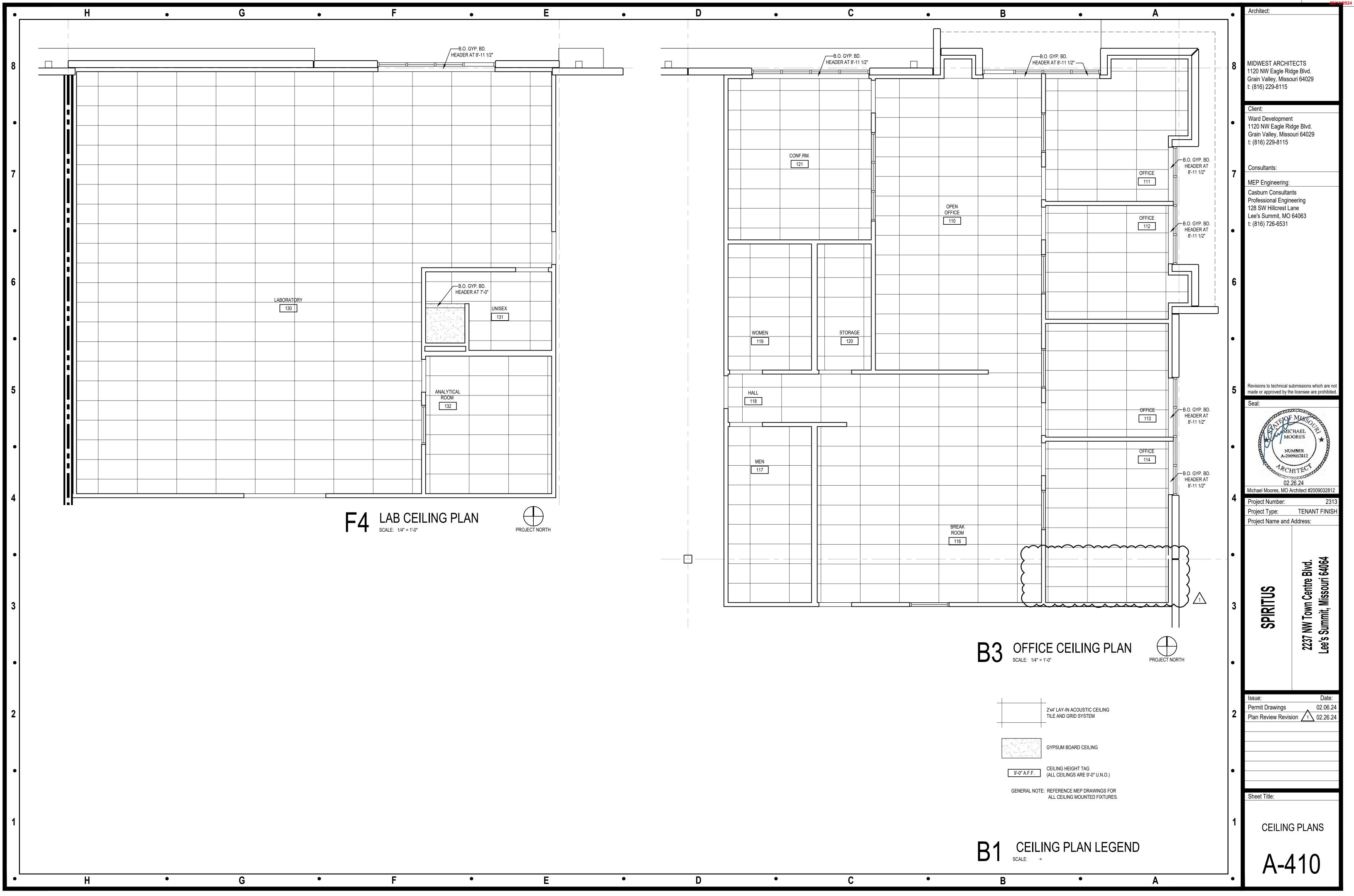
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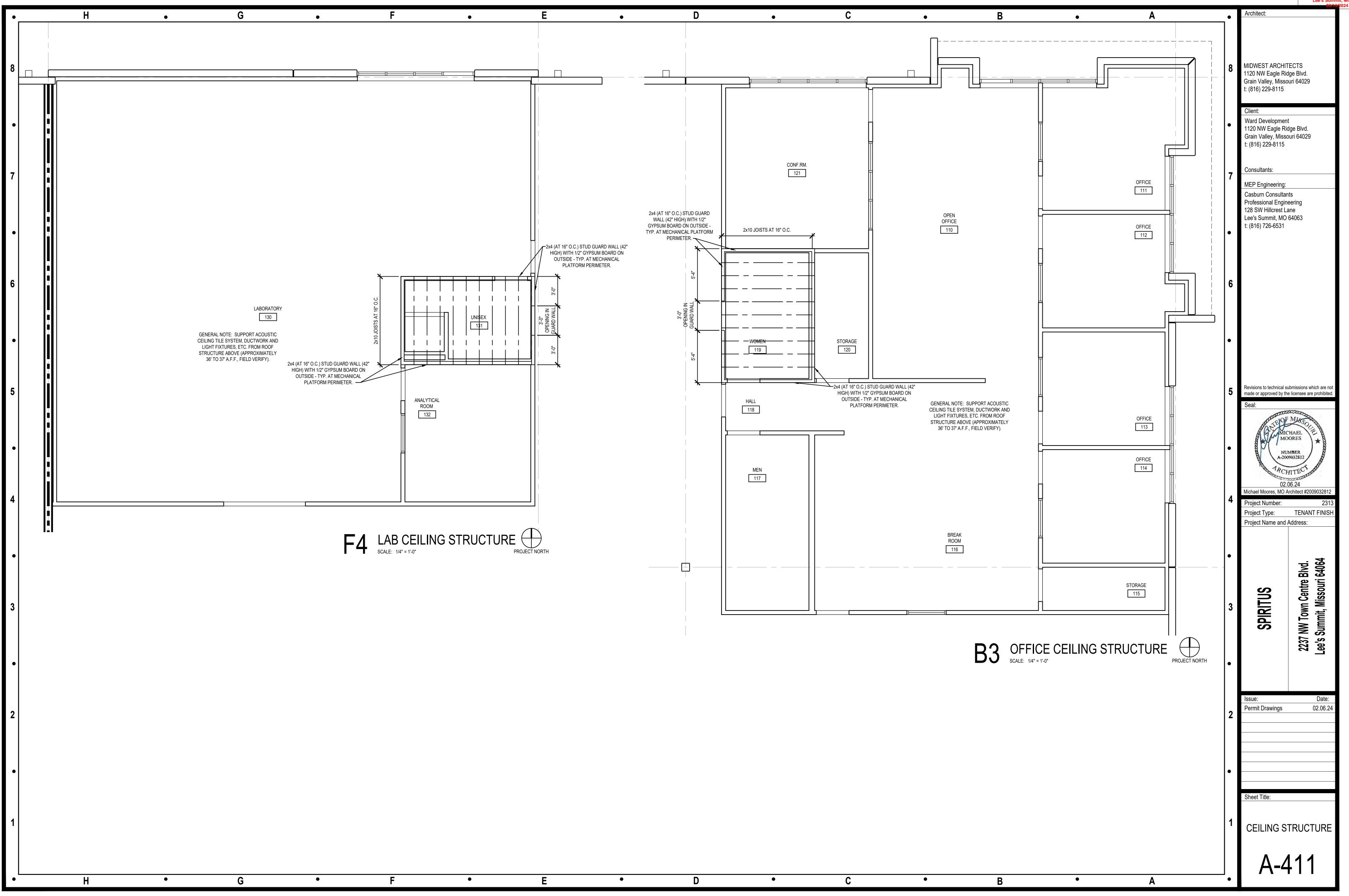




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RELEASED FOR CONSTRUCTION As Noted on Plans Review Development Services Department Lee's Summit, Missouri



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		GENERAL ELECTRICAL NOTES	
8		1. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A PULL WIRE.	
		2. TELEPHONE/DATA CABLES TO BE 4-PAIR CAT. 5. CABLE TO BE FURNISHED AND INSTALLED BY COMMUNICATIONS CONTR ALL CABLING TO BE PLENUM RATED.	
		3. ELECTRICAL CONTRACTOR TO INCLUDE GROUND WIRE IN ALL RACEWAYS. SIZE RACEWAYS AS NECESSARY TO COMPLY WITH N.E.C.	
		4. REFER TO REFLECTED CEILING PLAN AND DETAILS FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES AND ANY OTHER EQUIPMENT INSTALLED IN THE CEILING SYSTEM. VERIFY EXACT MOUNTING HEIGHTS AND FINISHES WITH CONSTURCTION COMPANY PRIOR TO ROUGH-IN.	
7		5. DUAL LIGHT SWITCH TO BE PROVIDED IN RESTROOMS, ONE FOR FAN VENT, AND ONE FOR LIGHTING.	
		6. EMPTY MUD RING W/ CONDUIT AND PULL STRING NEXT TO LIGHT SWITCH FOR SPEAKER CONTROLS	
		7. PLYWOOD TELEPHONE BACKERBOARD (4'X4') TO HAVE ROUTED 2" EMPTY CONDUIT BACK TO THE EXISTING TELEPHONE SERVICE ENTRANCE AND	
•		110∨ DUTLET, FIELD COORDINATE. 8. THE WORD "PROVIDE" HEREIN SHALL MEAN FURNISH AND INSTALL.	
6		D. ELECTRICAL SPECIFICATIONS	
	1.	THE ENTIRE ELECTRICAL SYSTEM SHALL COMPLY WITH THE FOLLWING:	
		A. NATIONAL ELECTRICAL CODE AND ANY OTHER APPLICABLE LOCAL CODES.	
		B. ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL BE COPPER OR ALUM.	
		C. THE REQUIREMENTS FOR ALL ROOF AND WALL OPENINGS DESRIBED IN SECTIONS HEREIN.	
	2.	MATERIALS, PRODUCTS AND EQUIPMENT INCLUDING COMPONENTS THEREOF, SHALL BE NEW AND SUITABLE FOR THE PURPOSE AND SHALL	
5		MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND OF THE LOCAL AUTHORITIES HAVING JURISDICTION. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING COMPONENTS THEREOF, SHALL BE SIZED IN	
		CONFORMITY WITH THE REQUIREMENTS OF OTHER RECOGNIZED STANDARDS, SUCH AS, ASTM, IEEE, IPCEA, NFPA AND NEMA WHERE THE REQUIREMENTS OF SUCH STANDARDS ARE MORE STRINGENT THAN THOSE	
		CITED ABOVE.	
•	3.	ELECTRICAL SERVICE PROVIDED IS 1200 AMP, 277/480V, 3 PHASE.	
	4.	ALL CONDUCTORS SHALL BE SOFT DRAWN ANNEALED COPPER. MINIMUM SIZE SHALL BE #12 FOR POWER WIRING AND #14 FOR CONTROL WIRING.	
		WIRE SHALL BE 600 VOLT INSULATED, NEC TYPE THW, OR THHN/THWN. ALL WIRE SHALL BE RUN IN RIGID CONDUIT OR EMT. NO PLASTIC CONDUIT WILL BE PERMITTED, EXCEPT WHERE PERMITTED BY THE NATIONAL	
4		ELECTRIC CODES LATEST EDITION.	
	5.	LIGHTING AND APPLIANCE PANELBOARDS WITHIN THE SPACE, THEY SHALL BE OF THE THREE PHASE, FOUR WIRE DISTRIBUTED PHASING TYPE, ALL	
		BREAKERS SHALL BE BOLT-ON TYPE. CIRCUITING SHALL BE ARRANGED TO PRESENT, AS NEARLY AS POSSIBLE, AND EVENLY BALANCED LOAD ON ALL PHASES. PANELBOARDS SHALL BE CIRCUIT BREAKER TYPE. ALL CIRCUIT	
•		BREAKERS SHALL HAVE INTERRUPTING CAPACITY AT LEAST 10% GREATER THAN THE AVAILABLE FAULT CURRENT AT THE BREAKER LOCATION.	
	6.	ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING.	
3		ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE EXPOSED CONDUIT SHALL BE IN STRAIGHT LINES PARALLEL WITH, OR AT LEAST 3 INCHES FROM WATER LINES WHENEVER THEY RUN ALONGSIDE OR ACROSS SUCH	
3		LINES. HANGERS SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. HANGERS AND SUPPORT SYSTEMS ARE	
		AN INTEGRAL PART OF THE VISUAL ENVIROMENT. ALL HANGERS AND SUPPORTS EXPOSED TO PUBLIC VIEW MUST BE SHOWN IN DETAIL ON PLANS SUBMITTED TO LANDLORD FOR APPROVAL OF APPEARANCE, ALL	
		HANGERS MUST BE UNIFORMILY SPACED AND NEATLY INSTALLED WITH NO EXCESS MATERIAL BEYOND WHAT IS REQUIRED FOR THE SUPPORT	
		FUNCTION. SELECT ACCESSORIES AND HARDWIRE WITH A SMOOTH, NEAT FINISHED APPEARANCE. PAINT ALL EXPOSED CONDUIT HANGERS TO	
	7	MATCH THE ADJACENT FINISHES.	
2	7.	GROUNDING SHALL CONSIST OF COPPER CONDUCTORS IN CONDUIT WITH BOLTED, OR BRAZED CONNECTION TO COLD WATER LINE FOR THE NEUTRAL	
		GROUNDING AND BONDING SHALL COMPLY WITH NEC ARTICLE 250. ALL METALLIC RACEWAYS SHALL BE GROUNDED.	
	8.	PROVIDE WIRING DEVICES EQUAL TO THE FOLLOWING: TOGGLE SWITCHES	
•		LEVITON CAT #1221, RECEPTACLES- LEVITON CAT # 5262, GFCI RECEPTACLES, LEVITON #6699, PROVIDE AN EMPTY CONDUIT SYSTEM FOR THE TELEPHONE SYSTEMS.	
	9.	EQUIPMENT TO BE APPROVED BY THE LOCAL TELEPHONE COMPANY. COORDINATE ALL CONDUIT REQUIREMENTS AND TERMINATION WITH THE LOCAL SOUTHWESTERN BELL TELEPHONE COMPANY OR OTHER TELEPHONE SYSTEM PROVIDER.	
1	10.	DUPLEX RECEPTACLES AND TELE-COMMUNICATION DUTLETS SHALL BE MOUNTED AT 15" ABOVE FINISH FLOOR UNLESS OTHERWISE NOTED. TOGGLE SWITCHES SHALL MOUNT AT 48" ABOVE FINISH FLOOR. WALL MOUNTED TELEPHONE DUTLETS SHALL BE MOUNTED AT 48" ABOVE FINISH FLOOR.	
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A. PLUMBING SPECIFICATIONS

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1. ALL PLUMBING SYSTEMS MUST BE COMPATIBLE WITH THE TYPE OF MATERIALS USED BY LANDLORD AND SHALL COMPLY WITH THE FOLLOWING

REQUIREMENTS:

DRAINAGE AND VENT PIPE FITTING FOR ABOVE GRADE USE SHALL BE SERVICE WEIGHT, HUBLESS, CAST IRON WITH RUBBER SEALING SLEEVE AND STAINLESS STEEL COUPLING JOINTS WITH STAINLESS STEEL CLAMPS

AND BOLTS AS MANUFACTURED BY TYLER PIPE OR EQUIVALENT. BELOW GRADE USE SERVICE WEIGHT, BELL AND SPIGOT CAST IRON WITH LEAD AND OAKUM OR GASKETED JOINTS. PVC IS PERMITTED ONLY WITH PRIOR LANDLORD APPROVAL.

WATER PIPING ABOVE GRADE SHALL BE TYPE L COPPER TUBING, SEAMLESS DRAWN, HARD TEMPERED WITH PLAIN ENDS ASTM B88. FITTING SHALL BE WROUGHT, OR CAST, COPPER WITH SOCKET ENDS FOR

LEAD FREE SOLDER.

2. ALL VALVES FOR DOMESTIC WATER SHALL BE 125 PSI TEST ALL BRONZE LINE SIZE FULL PORT BALL VALVES QUARTER-TURN INSTALLED IN THE PROPER ORIENTATION. BALL VALVES SHALL BE MANUFACTURED BY ONE OF THE FOLLWING:

NIBCO
CRANE
WATTS

ALL VALVES SHALL BE ACCESIBLE FOR EASE OF OPERATIONS.

3. PIPE IS TO BE SUPPORTED SECURELY FROM HANGERS AS FOLLOWS:

4. PIPES SUPPORTED FROM STEEL STRUCTURE SHALL BE SUPPORTED FROM STEEL BEAMS AND JOISTS WITH APPROVED CLAMPS AND OTHER STRUCTURAL ATTACHMENTS.

IN AREAS WITH CONCRETE FLAT SLABS AND CONCRETE ON METAL INSERTS, SELF-DRILLING ANCHORS OR POWER-DRIVEN ANCHORS WILL BE

ALLOWED.

NO PIPE HANGERS WILL BE SUPPORTED FROM THE METAL ROOF DECK.

HANGERS SHALL NOT PIERCE PIPING INSULATION VAPOR BARRIER

ALL STEEL HANGERS, RODS, SEAM CLAMPS, ETC., EXPOSED TO PUBLIC VIEW SHALL BE PAINTED TO MATCH ADJACENT FINISH.

APPEARANCE AND SPACING OF HANGERS EXPOSED TO PUBLIC VIEW ARE IMPORTANT ASPECTS OF THE FINAL VISUAL ENVIROMENT. SPECIFIC DETAILS OF SUPPORT METHODS AND LOCATION OF HANGERS MUST BE DEDICATED ON DRAWINGS SUBMITTED TO LANDLORD FOR REVIEW AND ARE SUBJECT TO LANDLORDS APPROVAL. ALL HANGERS MUST BE EVENLY SPACED AND GROUPED AS MUCH AS POSSIBLE WITH SUPPORTS FOR OTHER TRADES TO MINIMIZE VISUAL CLUTTER IN THE UPPER PORTIONS OF ALL SPACES EXPOSED TO PUBLIC VIEW. SUPPORT SYSTEMS MUST BE NEAT AND WORKMANLIKE AND FREE OF EXTRA LENGTH OF SUPPORT RODS BELOW THE SUPPORTED MEMBERHARDWARE

AND ACCESSORIES MUST BE SELECTED WITH A SMOOTH- FINISHED APPEARANCE FOR THE COMPLETED SUPPORT ASSEMBLY. HANGERS EXPOSED TO PUBLIC VIEW SHALL BE OF THE CLEVIS, OR TRAPEZE TYPE, COMPLETE WITH BOLTS, RODS, AND NUTS.

MINIMUM HANGER ROD DIAMETER SHALL BE LESS THAN, AND MAXIMUM SPACING OF SUPPORTS FOR STEEL AND COPPER HORIZONTAL PIPING MUST NOT BE GREATER THAN. THE VALUES IN THE LATEST ISSUE OF THE ASHRAE EQUIPMENT HANDBOOK. CAST IRON PIPE MUST BE SUPPORTED

AT LEAST EVERY FIVE FEET AND AT EVERY JOINT AND FITTING. CAST IRON PIPE BRANCHES MUST HAVE HANGERS FOUR FOOT ON CENTER MAXIMUM. WHERE REQUIRED TO MEET MINIMUM SPACING OF HANGERS,

PLUMBING CONTRACTOR IS RESPONSIBLE FOR INSTALLING ADDITIONAL INTERMEDIATE STRUCTURAL SUPPORTS.

PROVIDE CAST BRASS OR CHROME ESCUTCHEONS WITH SET SCREWS, DEEP TYPE, TO COVER SLEEVES OR OF A SIZE TO COVER FITTING PROJECTIONS. PROVIDE ESCUTCHEONS FOR ALL EXPOSED PIPING THROUGH WALLS, FLOORS, AND EXPOSED CEILING.

- 5. ALL PIPE INSULATION IN AREAS EXPOSED TO PUBLIC VIEW SHALL BE INSTALLED IN THE MOST WORKMANLIKE MANNER AND IS SUBJECT TO THE APPROVAL OF PROJECT DESIGNER FOR APPEARANCE.
- 6. FIRE PROTECTION

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LANDLORD WILL PROVIDE A FIRE SPRINKLER SYSTEM. ALL MODIFICATIONS, ADDITIONS OR RELOCATIONS TO FIRE PROTECTION SYSTEM SHALL BE PERFORMED BY LANDLORD APPROVED SPRINKLER CONTRACTOR AT TENANT'S EXPENSE.

SPRINKLER SUB CONTRACTOR SHALL SUBMIT DRAWINGS, AND ALL REQUIRED LANDLORD, STATE, AND CITY REQUIREMENTS FOR APPROVAL AS PART OF THE WORK.

THE SPRINKLER SYSTEM SHALL BE FULLY CHARGED AND OPERATIONAL WHEN THE CONTRACTOR IS OFF-SITE.

TENANT TO VERIFY WITH LOCAL AUTHORITIES IF A SPRINKLER HEAD IS REQUIRED ABOVE RESTROOM AREA.

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ACCORDINGLY.

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DECIBELS.

CONTRACTOR ONLY.

CONTRACTOR.

- QUANTITIES.

- PLUNUMS.)
- NOTED.

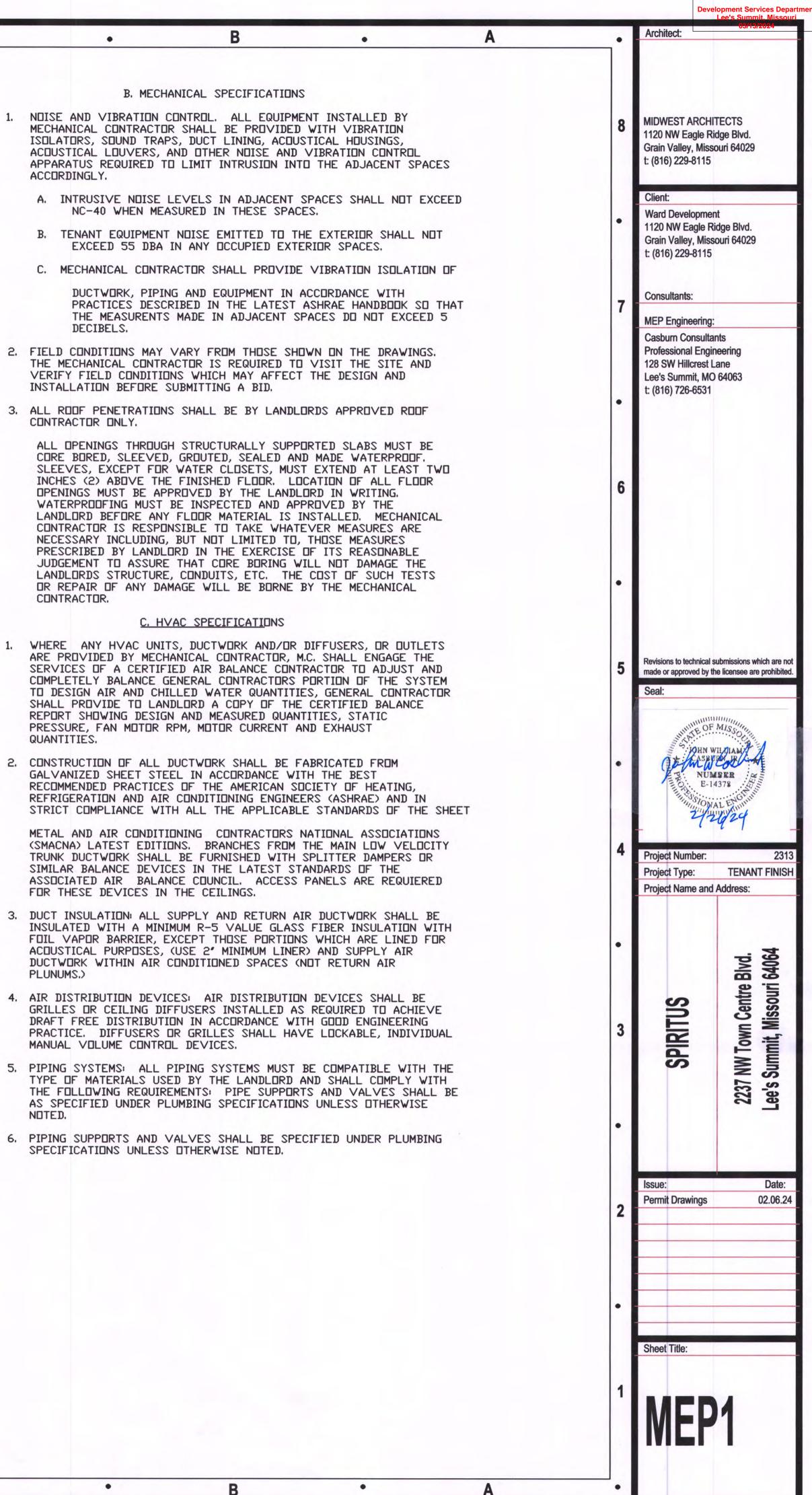
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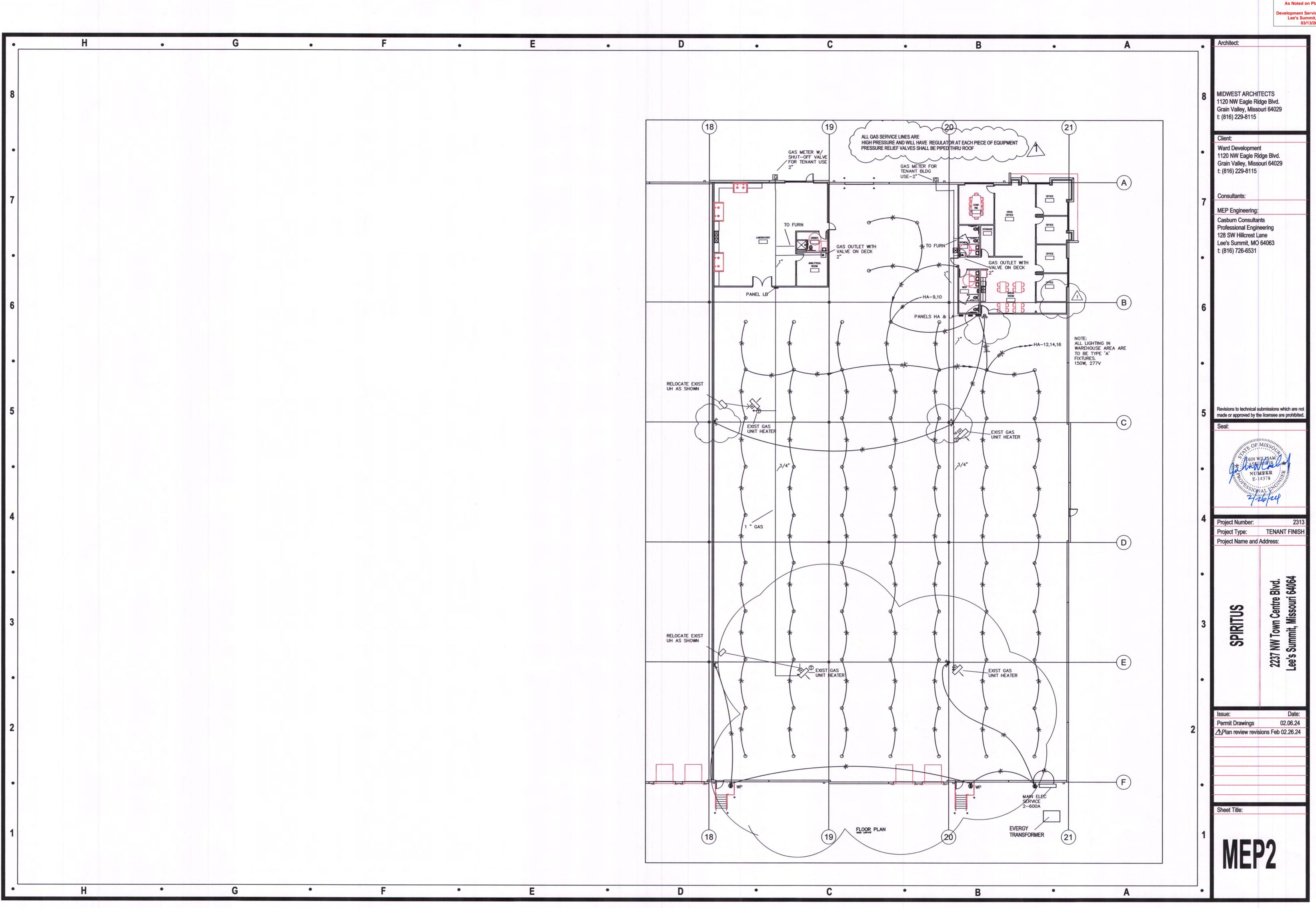
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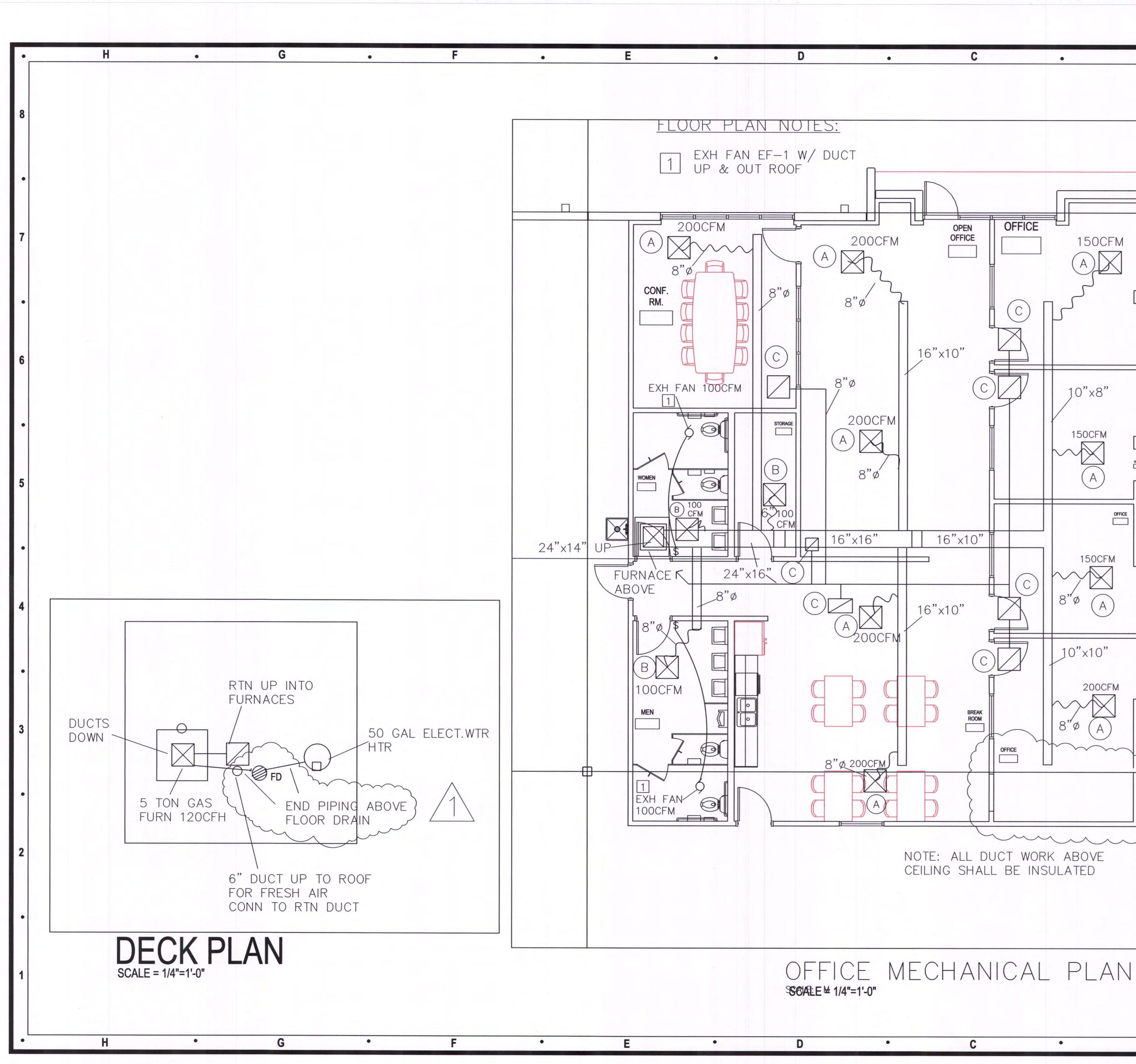
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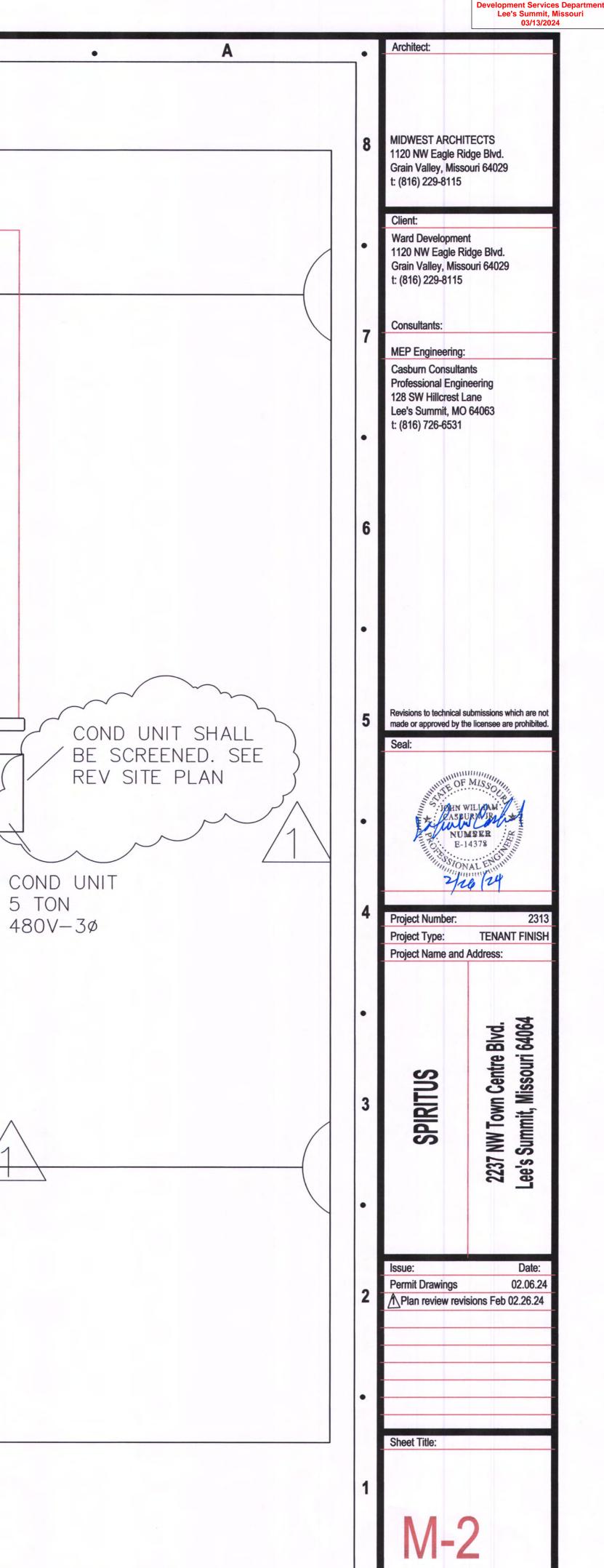
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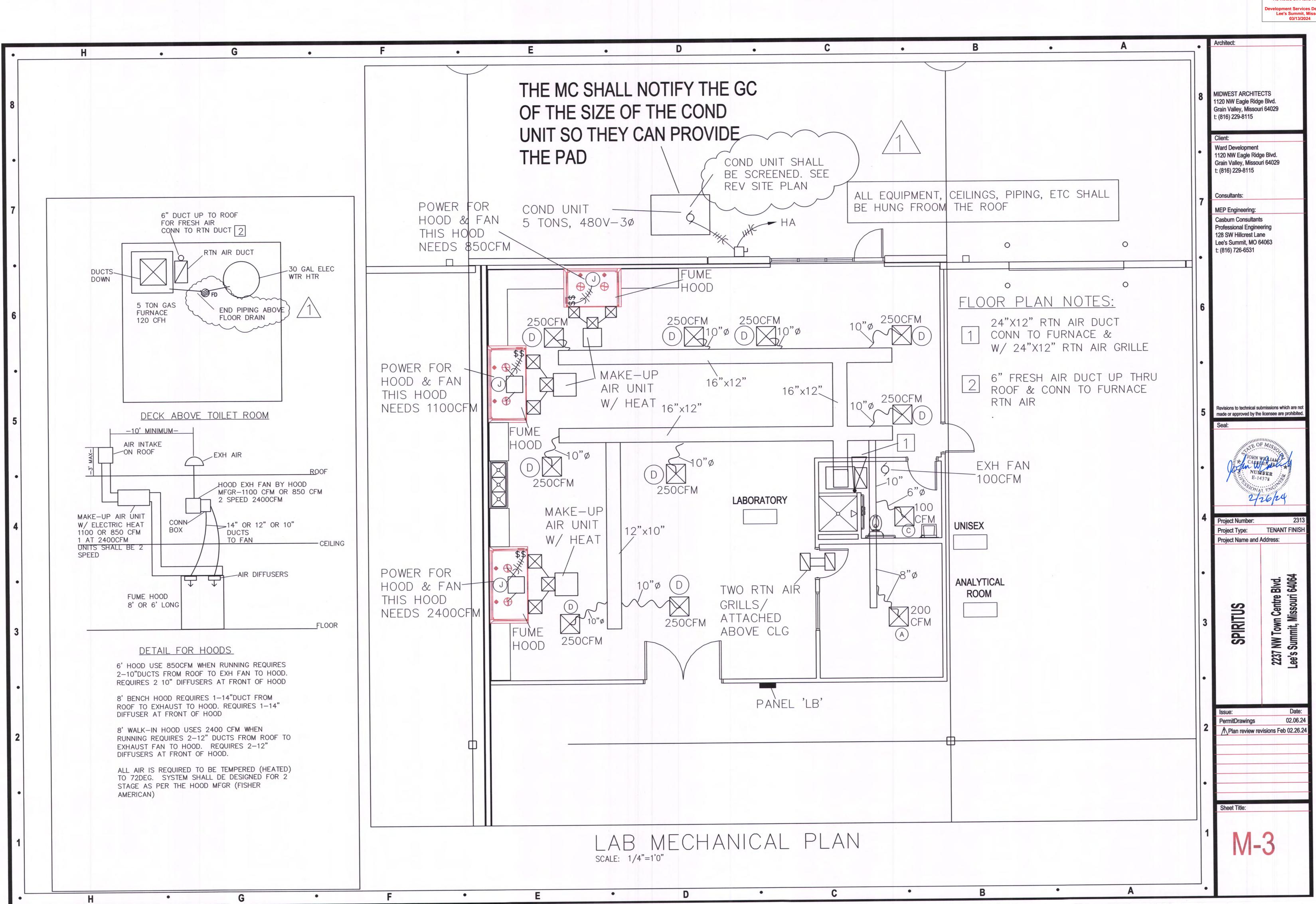
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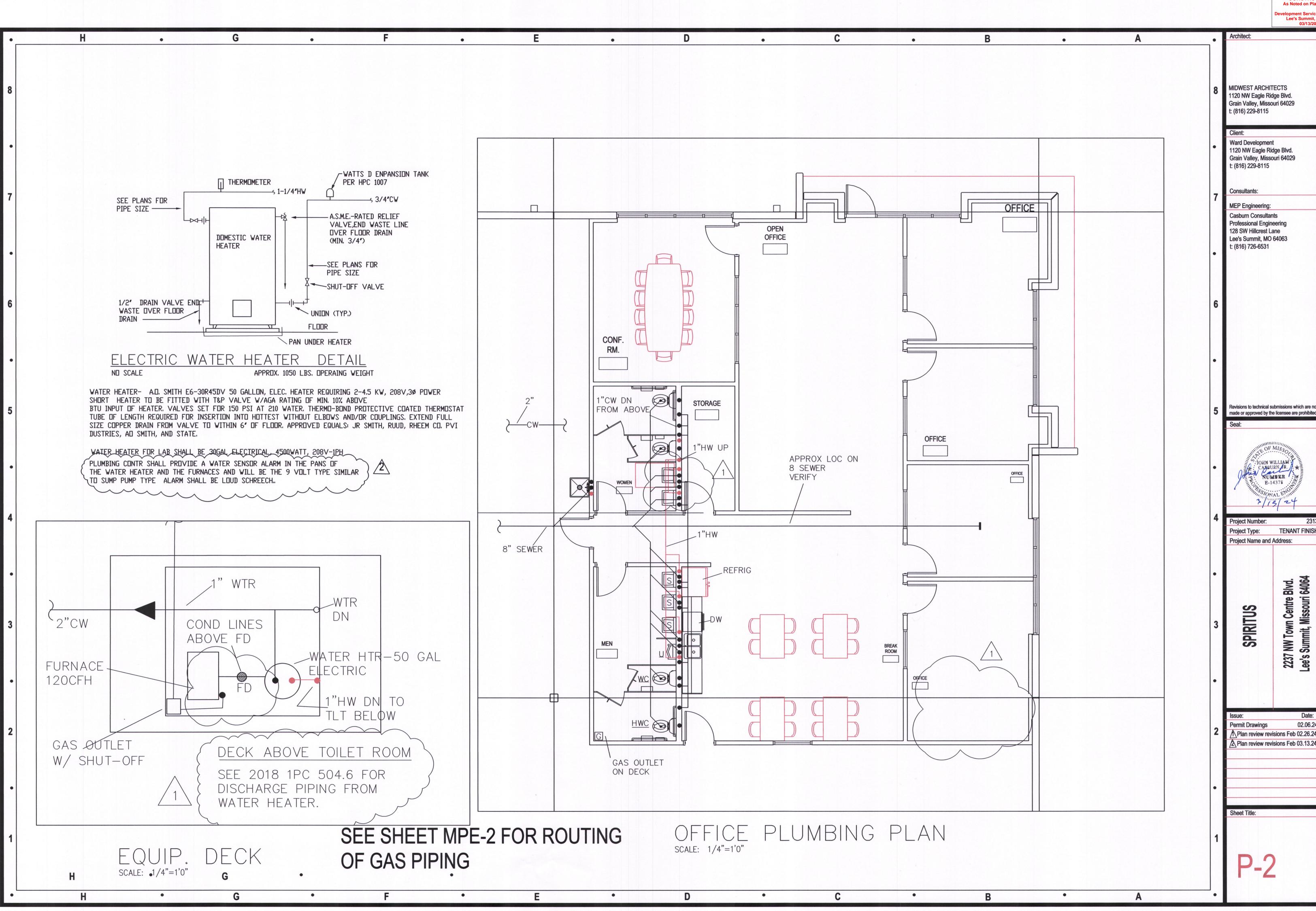
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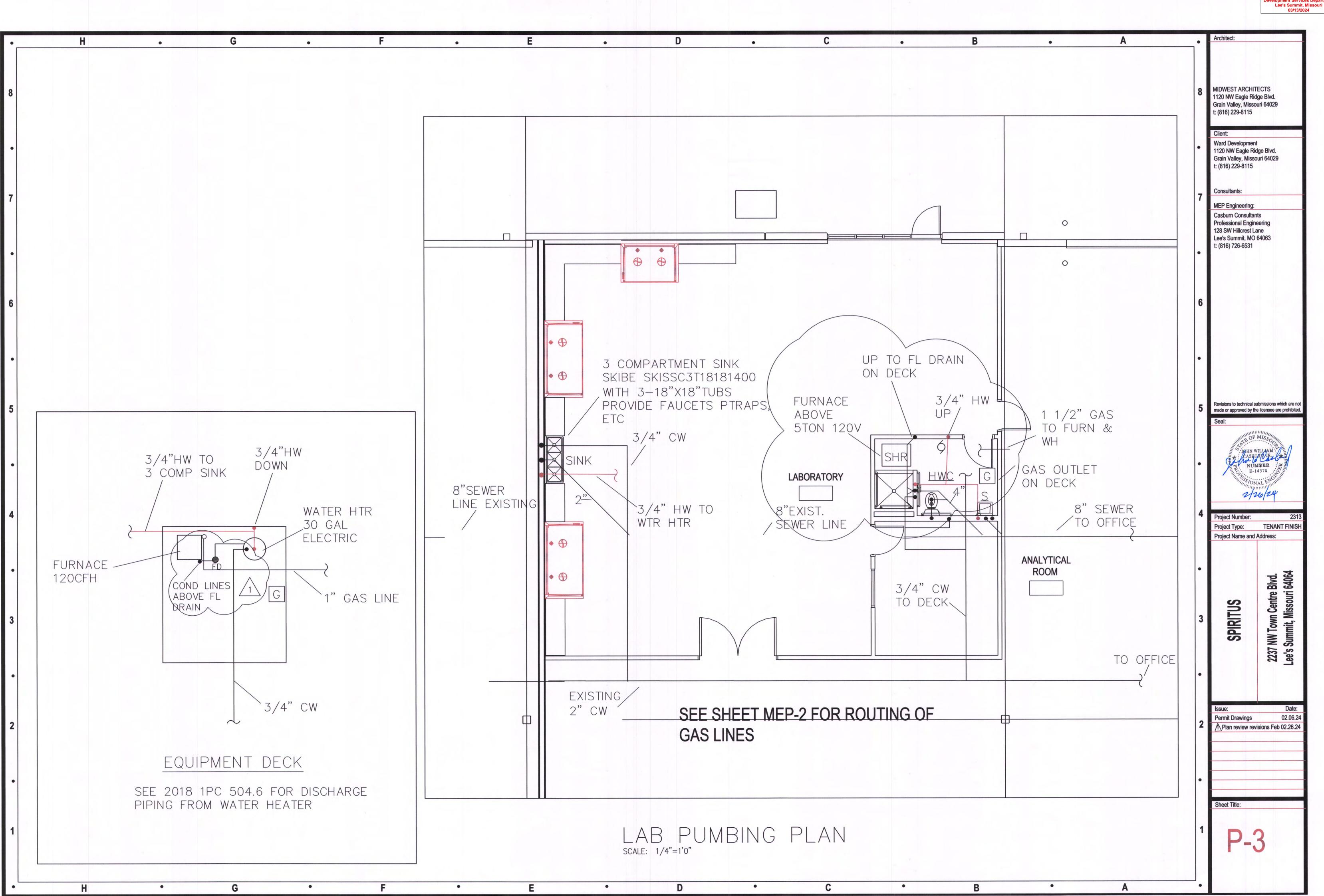
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SCHEDULE OF PIPE AND FITTING MATERIAL

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SERVICE	MATERIAL	JDINTS	FITTINGS	ONDTES
ROOF DRAINS	SERVICE WEIGHT CAST IRON (CI)			
CONDENSATE DRAINS	COPPER 'M' HARD	SOLDERED DD BRAZED	WROUGHT COPPER OR CAST BRONZE	1
VENTS AND WASTE LINES (ABOVE GROUND)	SERVICE WEIGHT CAST IRON (CI) (PVC WHEN APPROVED BY CITY)	LEAD OR TYSEAL	CAST IRON-PVC APPROVED	
SDIL LINES (BELDW GROUND) - UNDER SLAB	CAST IRON (CI) (PVC WHEN APPROVED BY CITY)	LEAD OR TYSEAL	CAST IRON-PVC APPROVED	2
REFRIGERANT AND DOMESTIC WATER PIPE - (BELOW GROUND) SMALLER THAN 3"	COPPER "K" SOFT DRAWN	SOLDERED OR BRAZED	WROUGHT COPPER OR CAST BRONZE	67
DOMESTIC WATER 3" AND LARGER	DUCTILE IRON	MECHANICAL		
DOMESTIC WATER PIPE (ABOVE GROUND)	COPPER "L" HARD ASTM C-200	SOLDERED OR BRAZED	WROUGHT COPPER OR CAST BRONZE	$\overline{\mathcal{O}}$
SEWER LINE PIPING (BELOW GROUND) NOT UNDER SLAB	PVC	ASTM C-425	ASTM C-200	12
GAS PIPE (BELOW GROUND)	SCHEDULE 40, BLACK STEEL-X-TRUE COATED ABD WRAPPED	CAST IRDN	CAST IRON MALLEABLE IRON	34
GAS PIPE (ABOVE GROUND)	SCHEDULE 40 BLACK STEEL	SCREWED	CAST IRON MALLEABLE IRON	35

NOTES

(1) PVC OR ABS SCHEDULE 40, SOLVENT WELDED JOINTS MAY BE USED ONLY WITH WRITTEN AUTHORIZATION OF APPROVAL BY LOCAL INSPECTING AUTHORITY SUBMITTED BELOW TO ARCHITECT AND ENGINEER PRIOR TO BIDDING, CONDITIONS OF VOTE BELOW, SCR-35 SNAITARY PIPE WHEN APPROVED,

(2) NO PVC OR ABS TO BE USED IN TYPE II CONSTRUCTION, THROUGH OR IN RETURN AIR PLENUMS, IN CITIES WHERE SUCH MATERIAL IS NOT ACCEPTABLE; OR BELOW BUILDING SLAB OR DRIVEWAY SURFACES.

(3) SCREWED GAS CONNECTION FOR 2" AND SMALLER; WELDED CONNECTION FOR 2" AND LARGER, AND IN RETURN AIR PLENUMS.

(4) THREADS AND WELDS PAINTED PRIOR TO WRAPPING, ALL EXTERIOR PIPING (ESPECIALLY ON ROOF) TO BE PAINTED (COLOR BY ARCHITECT) TO MATCH ADJACENT SURFACE. PROVIDE CATHODIC UNDERGROUND PROTECTION ON GAS PIPING AS RECOMMENDED BY LOACL KPL GAS SERVICE (FOR GOVERNING AUTHORITY)

(5) CONNECT ALL GAS TO EQUIPMENT THROUGH GAS COCK, UNION AND DIRT LEG.

(6) NO WATER FITTINGS OR CONNECTIONS BELOW FLOOR SLAB. MAKE GRADUAL BEND OR RADIUS.

(7) PROVIDE WTR HAMMER ARRESTERS PRIOR TO CONECTION OF HOT/COLD WATER LINES TO PLUMBING FIXTURES. COLD WATER LINES TO PLUMBING FIXTURES. ALL POTABLE WATER SYSTEMS SOLDERING TO BE 95/5, TIN/

PIPING	INSULATION	SCHEDULE	
PIPE SYSTEM	INSULATION	THICKNESS	TEMP.
REFRIGERANT SUCTION		1/2"	-20°F TO 70°F
DOMESTIC HOT & COLD HORIZONTAL MAINS ONLY		1/2"	-20°F TO 70°F
Handicap "P" trap & Hot		1/2"	-20°F TO 70°F

NOTE: ALL HORIZONTAL HOT & COLD WATER MAINS ARE TO BE INSULATED. VERTICAL MAINS AS NOTED OR SHOWN ON PLANS.

INSULATE INCONDITIONED AND UNCONDITIONAL SPACES.

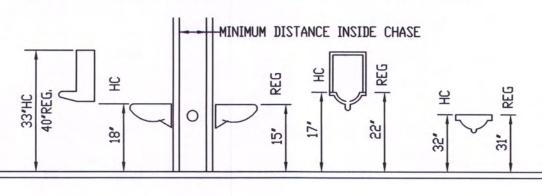
WATER UNDER LAVATORYS

CONDUCTANCE AT 75°F, 3% MAXIMUM WATER ABSORBTION BY WEIGHT. ARMSTRONG AP ARMAFLEX OR RUBATEX

PLUMBING CONNECTION/MOUNT.

FIXTURE	HOT WATER	COLD WATER	WASTE	VENT
LAVATORY OR SINK WATER CLOSET, TANK TYPE URINALS DRINKING FOUNTAINS	1/2*	1/2" 1/2" 3/4" 1/2"	1-1/2" 4" 2" 1-1/4"	1-1/2* 3* 1-1/2* 1-1/4*
FIXTURE LAVATORY OR SINK HANDICAPPED LAVATORIES WATER CLOSET HANDICAPPED WATER CLOSET STANDARD URINALS HANDICAPPED URINALS		<u>MOUNTING HEI(</u> 31" FLOOR TO 34" FLOOR TO 15" FLOOR RI 18" FLOOR TO 22" FLOOR TO 17" FLOOR TO] RIM] RIM M] RIM] RIM	
HANDICAPPED DRINKING FOUNTA	IN		D RIM, 27" KNEE	SPACE

PLUMBING CONTRACTOR TO REFERENCE PLUMBING FLOOR PLANS AND DETAIL SHEET AND SPECIFICATIONS FOR SPECIFIC FIXTURE INDENTIFICATION USED.



SHOWER - SEMI HANDICAPPED SHALL BE 48"X48" SINGLE PIECE PLASTIC WITH MOVEABLE SHOWER HEAD HANDICAP HAND RAILS, TEMPERATURE LIMITING ON WATER, WATER CONTROL AT HANDICAP HEIGHT, PROVIDE SHOP DWG TO WARD FOR APPROVAL

	FFUSE	NαRE	GISTE		HEDULE			
NDENT.	MANUF.	MODEL	SIZE	FINISH				
\bigcirc	TITUS	TMS-8"	24"X24"	WHITE	SUPPLY			
B	B TITUS	TMS-6"	12"x12"	WHITE	SUPPLY			
0	TITUS	355RL	24"X24"	WHITE	RETURN			
\bigcirc	TITUS	TMS-10"	24"X24"	WHITE	SUPPLY			

PILEP LAK DILLAPERP

PLUMBING FIXTURE SCHEDULE

STOP. 1/2", 4"WASTE. 2"VENT.

1-1/2"VENT.

DISPOSAL

DWG. OR EQUAL.

WATER CLOSET - GERBER, AQUA SAVER 21-702

HWC - HANDICAPPED WC GERBER, AQUA SAVER

21-718, 18" A.F.F. TO RIM. KOLHER K-4712 SEAT

URINAL - AMERICAN STANDARD #6400.014 VITREDUS CHINA WATER SAVER (1.5 GALLONS PER FLUSH) URINAL W/INTEGRAL SPREADER

2 COMPARTMENT SINK - COUNTERTOP ELKAY

VALVE, STRAINER TOP SPUD. 1/2"CW, 2"WASTE,

#GECR-3321, 20 GUAGE, TYPE 302 SELF RIMMING DOUBLE

COMPARTMENT SINK. 3 FAUCET HOLES FOR CHICAGO

785-E3 ASSENBLY FAUCET, 1/2" FLEXIBLE SUPPLIES &

SUPPLIER. CHICAGO 317, 4" WRIST BLADES, GN-1A-E3

STOPS IN SHANKS. PROVIDE CUP STRAINER 1-1/2"

P-TRAP. COORDINATE INSTALLATION W/CABINET

SWING GOOSENECK. PROVIDE 1/2HP GARBAGE

1/2" H & CW, 1-1/2" WASTE, 1-1/2" VENT.

FLOOR DRAIN - JOSAM 32000 CAST

IRON, ROUND 7" NIKOLOY MEDIUM

DUTY LOOSE SET ANTI-TILTING GRATE. SIZE TO SUIT PIPE SIZE AS SHOWN ON

BATHMASTER: BF7404-00 WNTHROP

FAUCET, INCLUDE STRAINER, OR EQUAL

20 X 18 WALL HUNG, 4" CENTERSET

FAUCET: DELTA 2567 - LPH

H22, A22 CHROME, OR EQUAL

1/2"H & CW, 3"WASTE, 2"VENT.

TOILET W/WHITE, SOLID PLASTIC - KOHLER #KA716

DUTLET, SIPHON JET ACTION, TANK TYPE

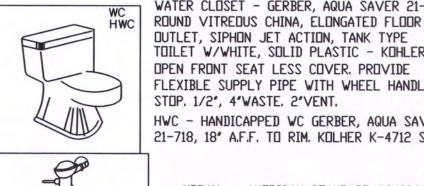
OPEN FRONT SEAT LESS COVER. PROVIDE FLEXIBLE SUPPLY PIPE WITH WHEEL HANDLE

W/SLOAN ROYAL 186 FLUSH

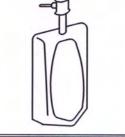
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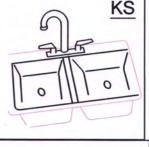
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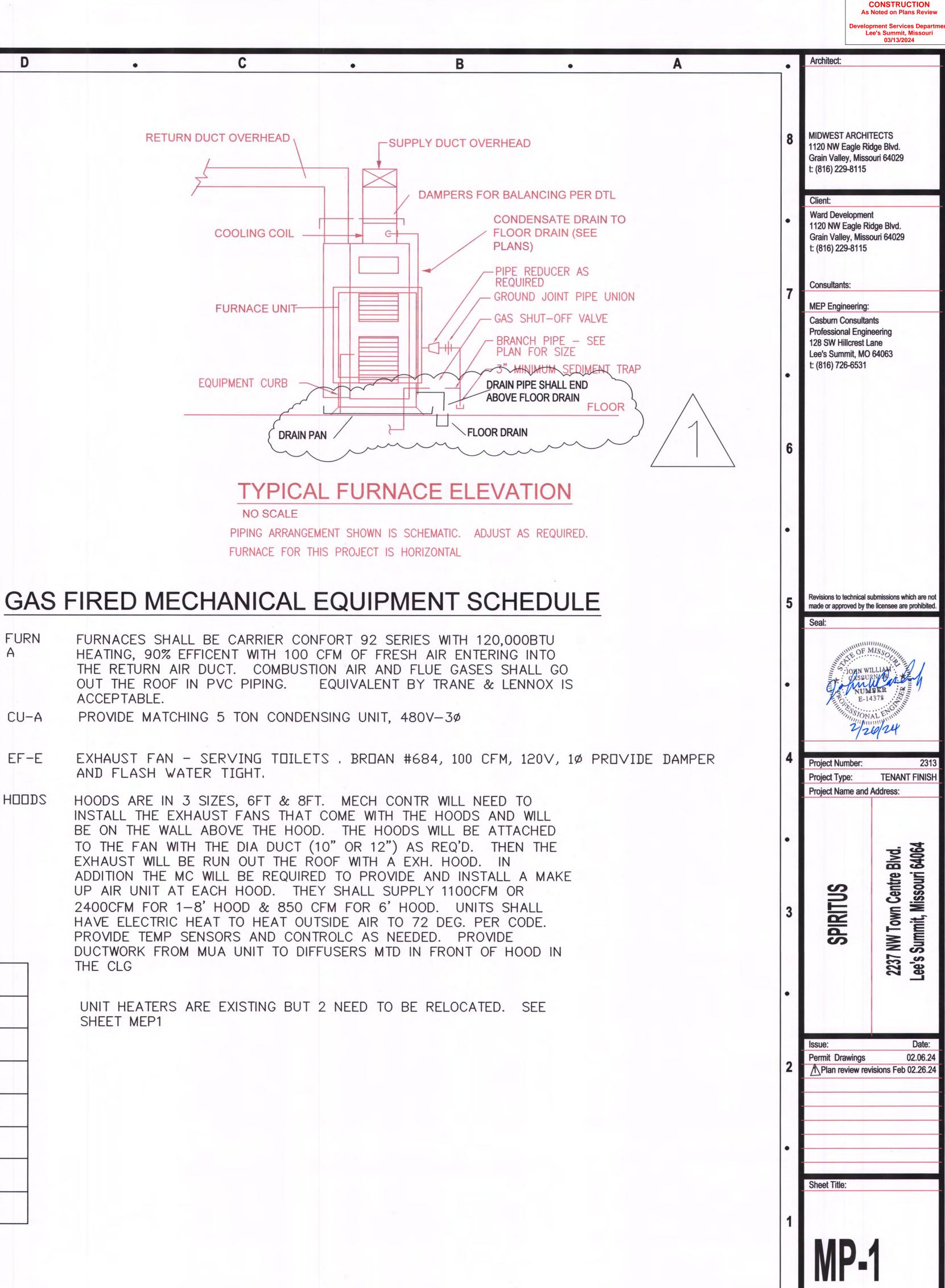


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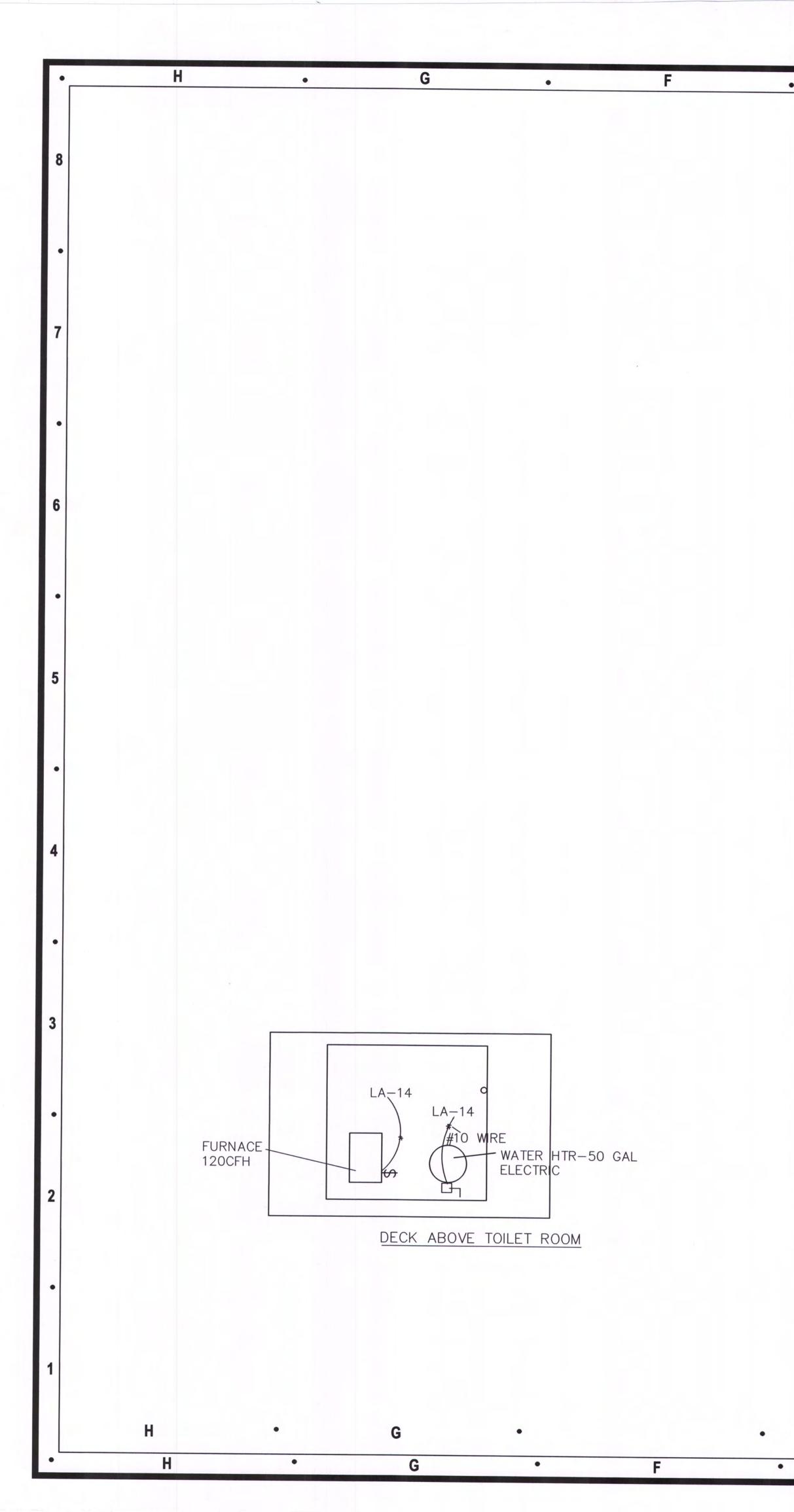
JANITOR SINK - WILLIAMS MODEL MTB-24"x24" FLOOR MOUNTED BASIN W/AMERICAN STANDARD 8341.075 FAUCET WITH VACUUM BREAKER. INCLUDE VINYL BUMPER FOR EXPOSED SIDE & PROVIDE P-TRAP FOR DRAIN.

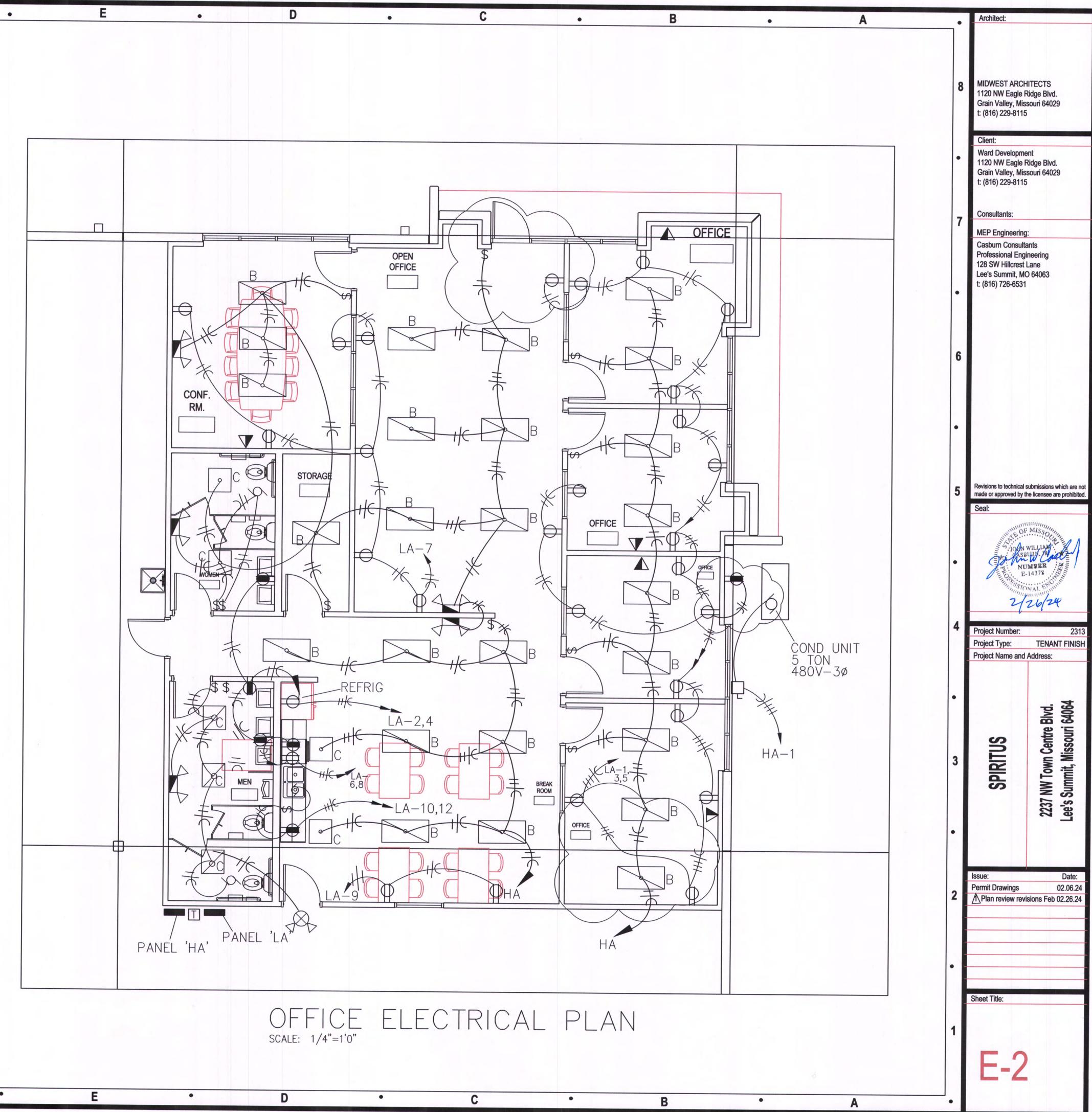
VERIFY DIFF SIZES FOR MUA DIFF.'S



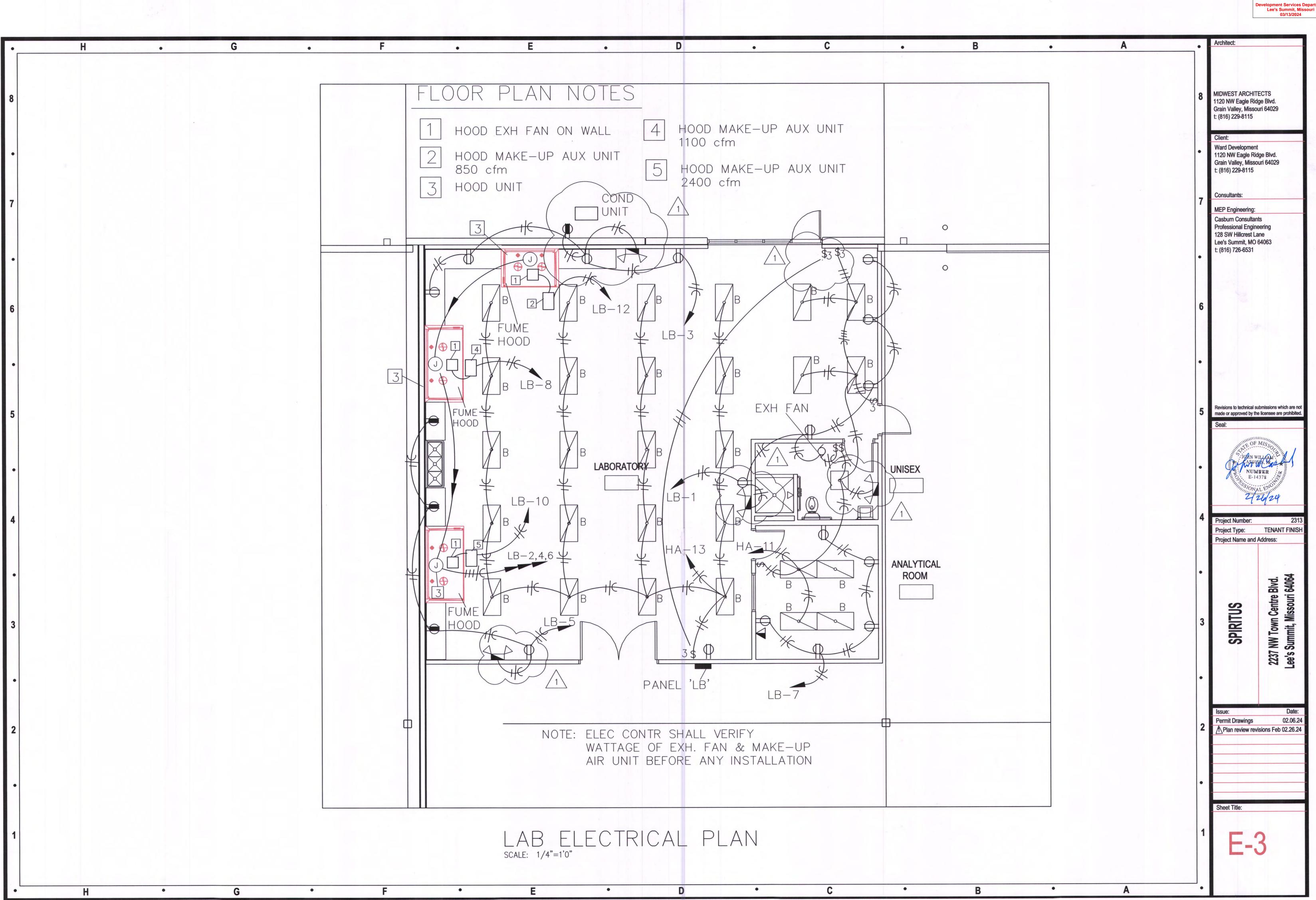
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PAN	EL_ <u>LA</u> MOUNTING						_	PA	NEL HA MOUNTIN						_								
	LOCATION	WAREHOUS	1	VOLT 120,	/208 _ 3	_Ø_4_WIRE				WAREHOUS	1		/480 _3	Ø_4_WIRE		PAN		WAREHOUS				TYPE BOLT-IN	
CKT. NO.	DESCRIPTION	BKR.	CKT. V.A.	CKT. V.A.	BKR.	DESCRIPTION	CKT. NO.	CKT. NO.	DESCRIPTION	BKR.	CKT. V.A.	CKT. V.A.	BKR.	DESCRIPTION	CKT. NO.	CKT.	DESCRIPTION	BKR.	CKT.	CKT	BKR.	_Ø_4_WIRE DESCRIPTION	-
1	RECEPTS	20	1400	800	20	REFRIG	2	1	COND UNIT					COND UNIT	2	NO.		Dr.r.	V.A.	V.A.		DESCRIPTION	
3	RECEPTS	20	1400	400	20	TLT REC	4	3	5 TON					5 TON	4	1	RECEPTS	20	1000	1000	20	FUME HOOD	
5	RECEPTS	20	1400	1200	20	DISHWASHER	6	5							6	3	RECEPTS	20	800	1000	20	FUME HOOD	
7	RECEPTS	20	1400	800	20	KIT REC	8	7	LIGHTING	20	450	2000	20	WAREHOUSE LIGHTING	8	5	RECEPTS	20	1000	1000	20	FUME HOOD	_
9	RECEPTS	20	800	800	20	KIT REC	10	9	LIGHTING	20	1000	600	20	WAREHOUSE LIGHTING	10	7	RECEPTS	20	1000	1200	20	FUME EXH AND MUA	
11	WH LIGHTING	20	120	1000	20	DISPOSAL	12	11	LAB LIGHTING	20	3000	3000	20	WAREHOUSE LIGHTING	12	9	WATER HEATER	40/2	4500	1200	20	FUME EXH AND MUA	
13	PANEL 'LB'	100/3	30KW	9000	30/3	WATER HEATER	14	13	LAB LIGHTING	20	1000	3000	20	WAREHOUSE LIGHTING	14	11		_		1200	20	FUME EXH AND MUA	
15							16	15	PANEL TR 75 KVA	100/3	75KW	3000	20	WAREHOUSE LIGHTING	16	13	SPARE	20				SPACE	
17							18	17	-					SPACE	18	15	SPARE	20			<u> </u>	SPACE	
19	SPARES	20				SPACES	20	19						SPACE	20	17	SPARE	20				SPACE	
21	SPARES	20				SPACES	22	21	SPARE	20				SPACE	22	19	SPARE	20				SPACE	_
23	SPARES	20				SPACES	24	23	SPARE	20				SPACE	24	21	SPARE	20			<u> </u>	SPACE	
25	SPARES	20				SPACES	26	25	SPARE	20				SPACE	26	23	SPARE	20			<u> </u>	SPACE	
27	SPARES	20				SPACES	28	27	SPARE	20				SPACE	28	25	SPARE	20				SPACE	
29	SPARES	20				SPACES	30	29	SPARE	20		_		SPACE	30	27	SPARE	20				SPACE	
31	SPARES	20				SPACES	32	31	SPARE	20				SPACE	32	29	SPARE	20				SPACE	
33	SPARES	20				SPACES	34	33	SPARE	20		_		SPACE	34						ΤΟΤΑΙ	L VOLT AMPS	
35	SPARES	20				SPACES	36	35	SPARE	20				SPACE	36								
37	SPARES	20				SPACES	38	37	SPARE	20				SPACE	38								
39	SPARES	20				SPACES	40	39	SPARE	20				SPACE	40								
41	SPARES	20				SPACES	42	41	SPARE	20				SPACE	42								

LIGHT FIXTURE SCHEDULE

- A RAB #H17 HIGH BAY LED, 150WATT, 277V, 4000K, WITH CORD PROVIDE WITH HOOK TO HANG FROM ROOF
- B EIKO #SLM2462C5840U 2'X4' LEDSLIM PANEL 6200 LUMENS, 4000K, 50 WATT, 120 V
- C SIMILAR TO TYPE B EXCEPT 2'X2'LED, 120DDEDIT
- D WILLIAMS 6" ROUND LED DOWNLIGHT #6DR-TL-L20/840-M-VOLT HOUSING AND #L CS TRIM FOR SHOWER

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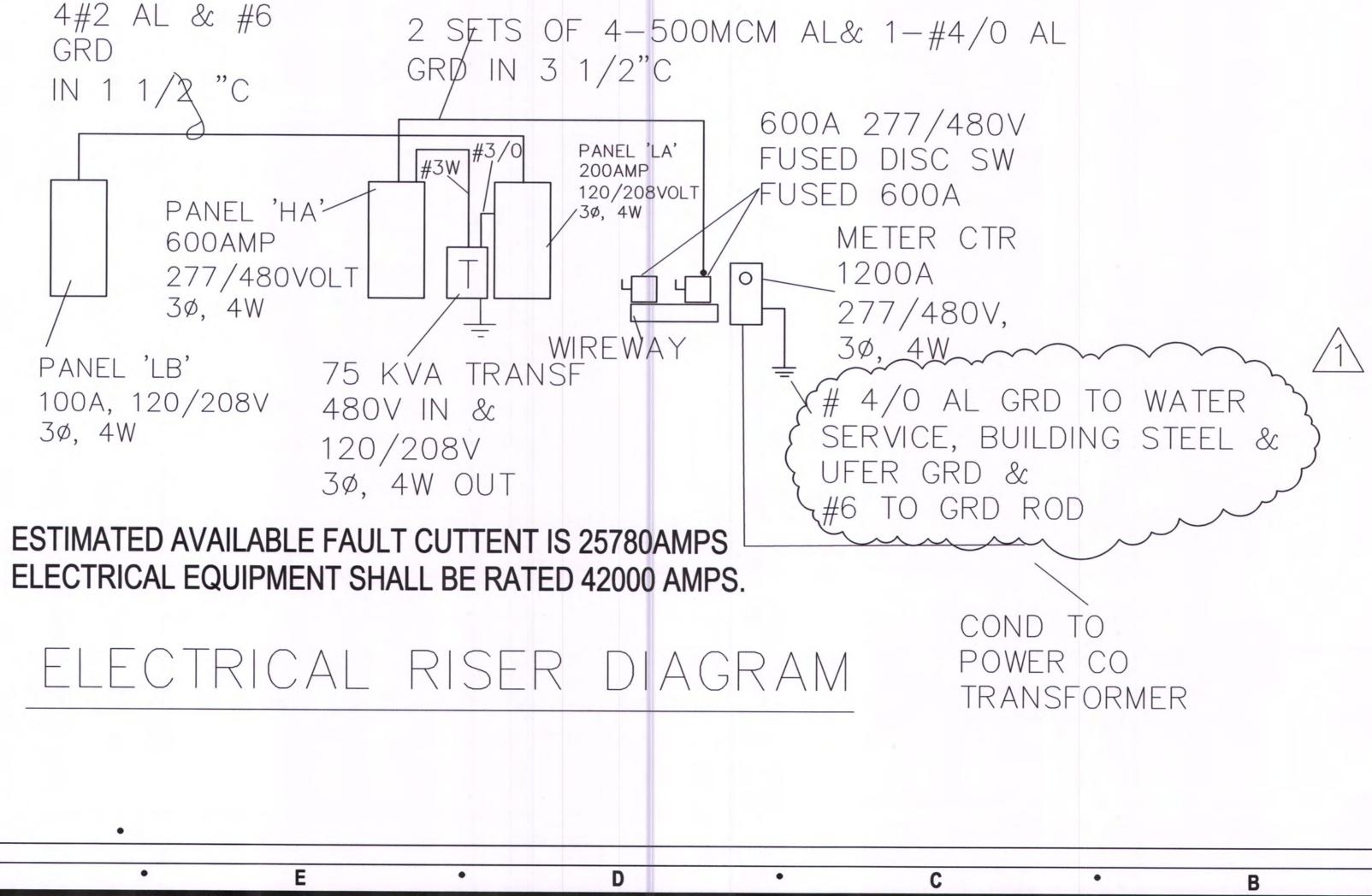
COMBO EXIT/ EMERGENCY LIGHT LITHONIA #LHQM LED RHO

EMERGENCY LIGHT LITHONIA #ELM2 LED

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Architect:

03/13/2024

MIDWEST ARCHITECTS 1120 NW Eagle Ridge Blvd. Grain Valley, Missouri 64029 t: (816) 229-8115 Client: Ward Development 1120 NW Eagle Ridge Blvd. Grain Valley, Missouri 64029 t: (816) 229-8115 Consultants: MEP Engineering: Casburn Consultants Professional Engineering 128 SW Hillcrest Lane Lee's Summit, MO 64063 t: (816) 726-6531 Revisions to technical submissions which are not made or approved by the licensee are prohibited. E-14378 2/26/24 Project Number: Project Type: **TENANT FINISH Project Name and Address:** 2237 NW Town Centre Blvd. Lee's Summit, Missouri 64064 SPIRITUS Issue: Permit Drawings 02.06.24 A Plan review revisions Feb 02.26.24 Sheet Title: E-4

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