

TOPEKA METRO

**REQUEST FOR BIDS
SECURITY CAMERAS
TO-21-11**

**Appendix I
Site Plans**

TOPEKA METRO TRANSIT AUTHORITY

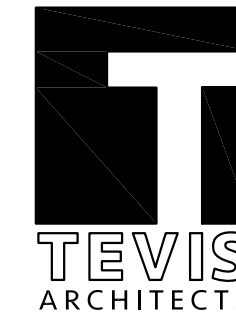
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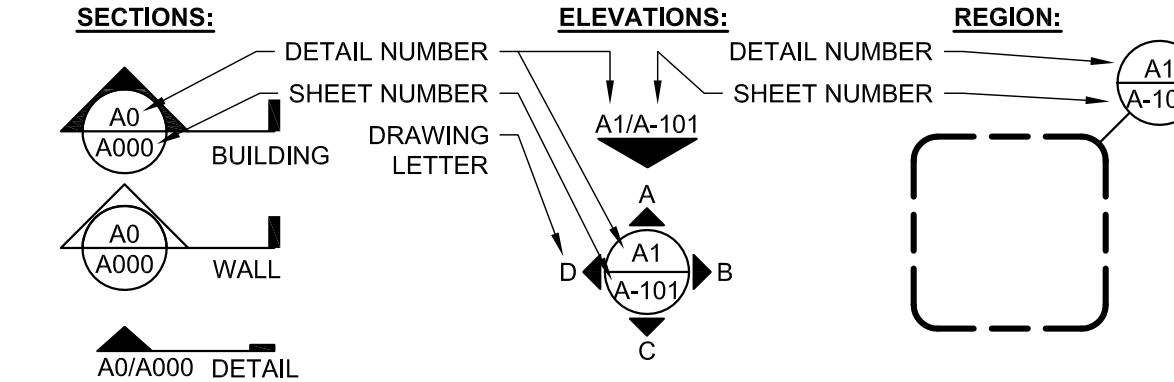
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- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH FEDERAL AND STATE LAWS, CURRENT LOCAL ORDINANCES AND BUILDING CODES, AND THE AMERICANS WITH DISABILITIES ACT (ADA), REFER TO CODE SUMMARY FOR SPECIFIC APPLICABLE LAWS, ORDINANCES, AND CODES. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL PERMITS AND PAY ALL FEES AS NECESSARY BY THE CONSTRUCTION COVERED IN THE PROJECT.
- ALL WORK AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNERS REPRESENTATIVE AND THE ARCHITECT.
- ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL QUANTITIES AND SHALL PROVIDE ALL WORK AND MATERIALS AS SHOWN ON PLANS AND SPECIFIED IN THE SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT/ENGINEER ANY MATERIALS TO BE REUSED AND WILL BE RESPONSIBLE FOR VERIFYING AND MAINTAINING THE FUNCTION AND AESTHETIC INTEGRITY OF THE MATERIALS.
- THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL SECTIONS OF THE SPECIFICATIONS BEFORE BEGINNING THE WORK.
- THE CONTRACTOR SHALL NOT CHANGE OR DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER AND ARCHITECT.
- DRAWINGS CONTAINED IN THE SET SHALL NOT BE REPRODUCED FOR SHOP DRAWINGS UNLESS APPROVAL FROM THE DESIGN DISCIPLINE WHO DEVELOPED DRAWING FILES HAS BEEN RECEIVED.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION AND THE SAFETY OF ALL CONSTRUCTION PERSONNEL AND VISITORS.
- DO NOT SCALE DRAWINGS; FOLLOW WRITTEN DIMENSION AND NOTES. CONTACT ARCHITECT FOR CLARIFICATIONS IF REQUIRED.
- "TYPICAL" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITIONS OR DIMENSIONS ARE REPRESENTATIVE OR THE SAME FOR SIMILAR CONDITIONS THROUGHOUT.
- THE RELATION OF SPECIFICATIONS AND DRAWINGS SHALL BE EQUAL AUTHORITY AND PRIORITY. SHOULD THEY DISAGREE IN THEMSELVES, OR WITH EACH OTHER, BIDS SHALL BE BASED ON THE MOST EXPENSIVE COMBINATION OF QUALITY AND QUANTITY OF WORK INDICATED. THE APPROPRIATE WORK, IN THE EVENT OF THE ABOVE MENTIONED DISAGREEMENTS, SHALL BE DETERMINED BY THE ARCHITECT.
- FAILURE TO REPORT A CONFLICT IN THE CONTRACT DOCUMENTS SHALL BE DEEMED EVIDENCE THAT THE CONTRACTOR HAS ELECTED TO PROCEED IN THE MORE EXPENSIVE MANNER.
- CONTRACTOR TO COORDINATE SCHEDULE OF PROPOSED WORK WITH OWNER PRIOR TO ANY WORK BEING STARTED ON THE PREMISES.
- ON COMPLETION OF THE PROJECT, CONTRACTOR SHALL CLEAN ALL SURFACES AND LEAVE THE WORK IN CLEAN CONDITION. THE CONTRACTOR AT ALL TIMES SHALL KEEP PREMISES FREE FROM WASTE MATERIALS AND RUBBISH CAUSED BY THE WORK.
- WHENEVER CONTRACT DOCUMENTS REASONABLY INFER MATERIALS OR INSTALLATION AS NECESSARY TO PRODUCE THE INTENDED RESULTS, BUT DO NOT FULLY DETAIL OR SPECIFY SUCH MATERIALS, THE CONTRACTOR SHALL PROVIDE THE MATERIALS AND LABOR REQUIRED FOR INSTALLATION.

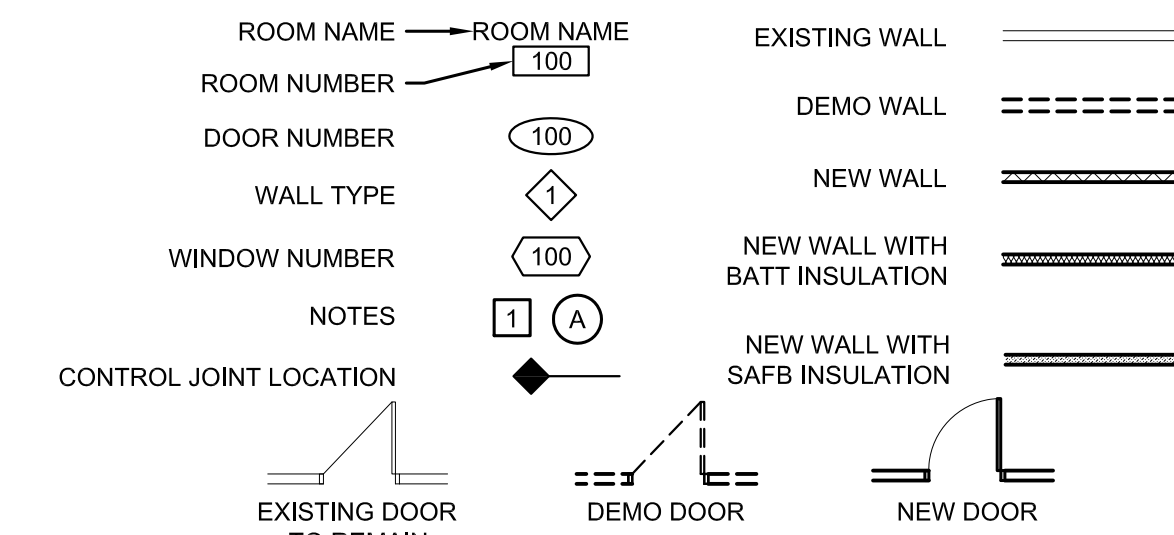
- THE SPECIFICATIONS HAVE BEEN PARTIALLY "STREAMLINED" AND SOME WORDS AND PHRASES HAVE BEEN INTENTIONALLY OMITTED. MISSING PORTIONS SHALL BE SUPPLIED BY INFERENCE AS WITH NOTES ON DRAWINGS.
- WORDS LIKE "INSTALL," "PROVIDE," "LOCATE," "FURNISH," AND "SUPPLY" SHALL BE CONSTRUED TO INCLUDE COMPLETE FURNISHINGS AND INSTALLING OR CONSTRUCTION BY THE CONTRACTOR.
- ALL MANUFACTURERS AND PRODUCT REFERENCES ARE BASIS-OF-DESIGN ONLY. ITEMS CAPABLE OF EQUAL PERFORMANCE, BUT PROVIDED BY AN ALTERNATE MANUFACTURER, WILL BE ACCEPTABLE.
- CONSTRUCTION SITE TO COMPLY WITH NFPA #1 AND #241.
- ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO BE REPORTED TO PROJECT FIELD SUPERINTENDENT IMMEDIATELY.
- ALL MEANS OF EGRESS MUST REMAIN IDENTIFIABLE AND OPEN DURING CONSTRUCTION.
- ALL EXISTING CONDITIONS, DIMENSIONS, AND MATERIALS OF CONSTRUCTION ARE TO BE VERIFIED IN THE FIELD PRIOR TO ANY DEMOLITION WORK OR ANY NEW CONSTRUCTION.
- ALL CONDITIONS, DIMENSIONS, ROOMS/ SPACES, AND MATERIALS OF CONSTRUCTION INDICATED ON THESE SHEETS/DRAWINGS ARE "EXISTING", UNLESS NOTED OTHERWISE.
- ALL EXISTING CONDITIONS AND EXISTING CONSTRUCTION TO REMAIN, UNLESS NOTED OTHERWISE.
- VERIFY ALL EXISTING STRUCTURAL LOAD-BEARING CONDITIONS PRIOR TO ANY DEMOLITION WORK OR ANY NEW CONSTRUCTION. CONTACT CLIENT AND ARCHITECT IF ANY DISCREPANCIES EXIST.
- AREAS OF PROJECT NOT PART OF THIS REMODEL TO BE PROTECTED FROM DUST AND DAMAGE DURING REMODEL.
- FIRE ALARM SYSTEM SHALL REMAIN IN SERVICE AT ALL TIMES DURING CONSTRUCTION. WRITTEN AUTHORIZATION FROM LOCAL FIRE DISTRICT WILL BE REQUIRED IF AND BEFORE EITHER SYSTEM IS TO BE SHUT DOWN.
- CONTRACTOR'S STAGING AREA WILL BE IDENTIFIED AND APPROVED BY OWNER PRIOR TO THE START OF CONSTRUCTION.

ACOUST. A.F.F. ALT. ALUM. ARCH. BLDG. BLKG. B.O. BRG. BOB C C.I. C.M.U. CONC. CONT. CR. RK. DIA. DR. DWG. D.S. DTL. EIFS E.I. ELECT. ELEV. ELEV. EPS ELEV. EXT. F.B.O. F.E. F.E.C. EXTG. FND. FRP FRTW FTG. G.A. G.B. GALV. G GY. BD. H.M. HORIZ. HT. I.B.C. INSUL. INTR. JST. JT. LIN. MANUF. MB. MAS. M.O. MAX. MECH. MEDS. MEPS. MISC. MIN. M.R. MTL. N.T.S. O.C. OCC. OPCI OPOI P P. LAM. PRE-FIN. RCP REF. REQ'D SF. SQ. FT. STL. STRUCT. SUSP. TB. T.O. T.P. T.S. TYP. U.N.O. VCI WRB WWF XPS.	ACOUSTICAL ALTERNATE ALUMINUM ARCHITECTURAL BUILDING BLOCKING BOTTOM OF OPENING BEARING BASIS OF DESIGN CENTERLINE CONTROL JOINT CONCRETE MASONRY UNIT CONTINUOUS CRUSHED ROCK DIAMETER DOOR DRAWING DOWNSPOUT DETAIL EXTERIOR INSULATION FINISH SYSTEM EXPANSION JOINT ELECTRICAL ELEVATION ELEVATOR EXPANDED POLYSTYRENE EXISTING EXTERIOR FURNISHED BY OTHERS FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FLOOR FOUNDATION FIBER REINFORCED PLASTIC FIRE-RESISTANT TREATED WOOD GAUGE GRAB BAR GALVANIZED GRID LINE GYPSUM BOARD HOLLOW METAL HORIZONTAL HEIGHT INTERNATIONAL BUILDING CODE INSULATION INTERIOR JOIST JOINT LINOLEUM MANUFACTURER MARKER BOARD MASONRY OPENING MAXIMUM MECHANICAL MEDICINE MOLDED EXPANDED POLYSTYRENE MISCELLANEOUS MINIMUM MOISTURE RESISTANT METAL NOT TO SCALE ON CENTER OCCUPANCY OWNER PROVIDED, CONTRACTOR INSTALLED. OWNER PROVIDED, OWNER INSTALLED. PROPERTY LINE PLASTIC LAMINATE PRE-FINISHED REFLECTED CEILING PLAN REFER TO/REFERENCE REQUIRED SQUARE FOOT SQUARE FOOT STEEL STRUCTURAL SUSPENDED TACK BOARD TOP OF TOILET PAPER TUBE STEEL TYPICAL UNLESS NOTED OTHERWISE VINYL COMPOSITION TILE WEATHER RESISTANT BARRIER WIRE WELDED FABRIC EXTRUDED POLYSTYRENE
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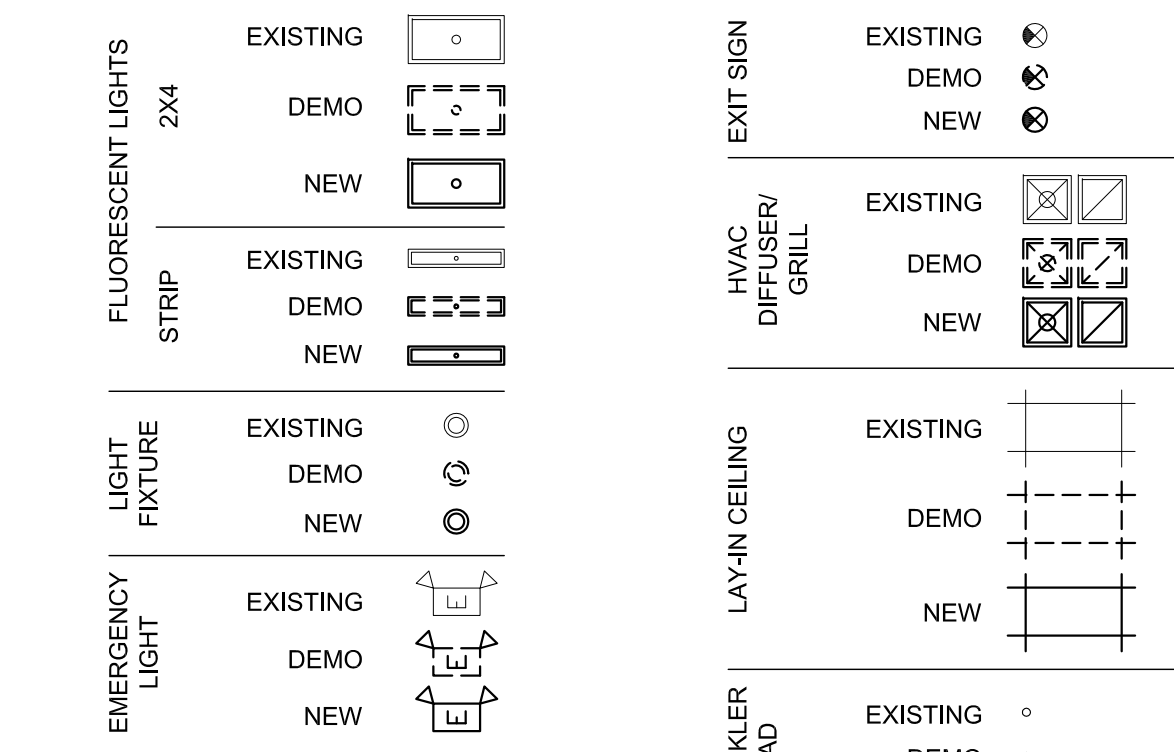
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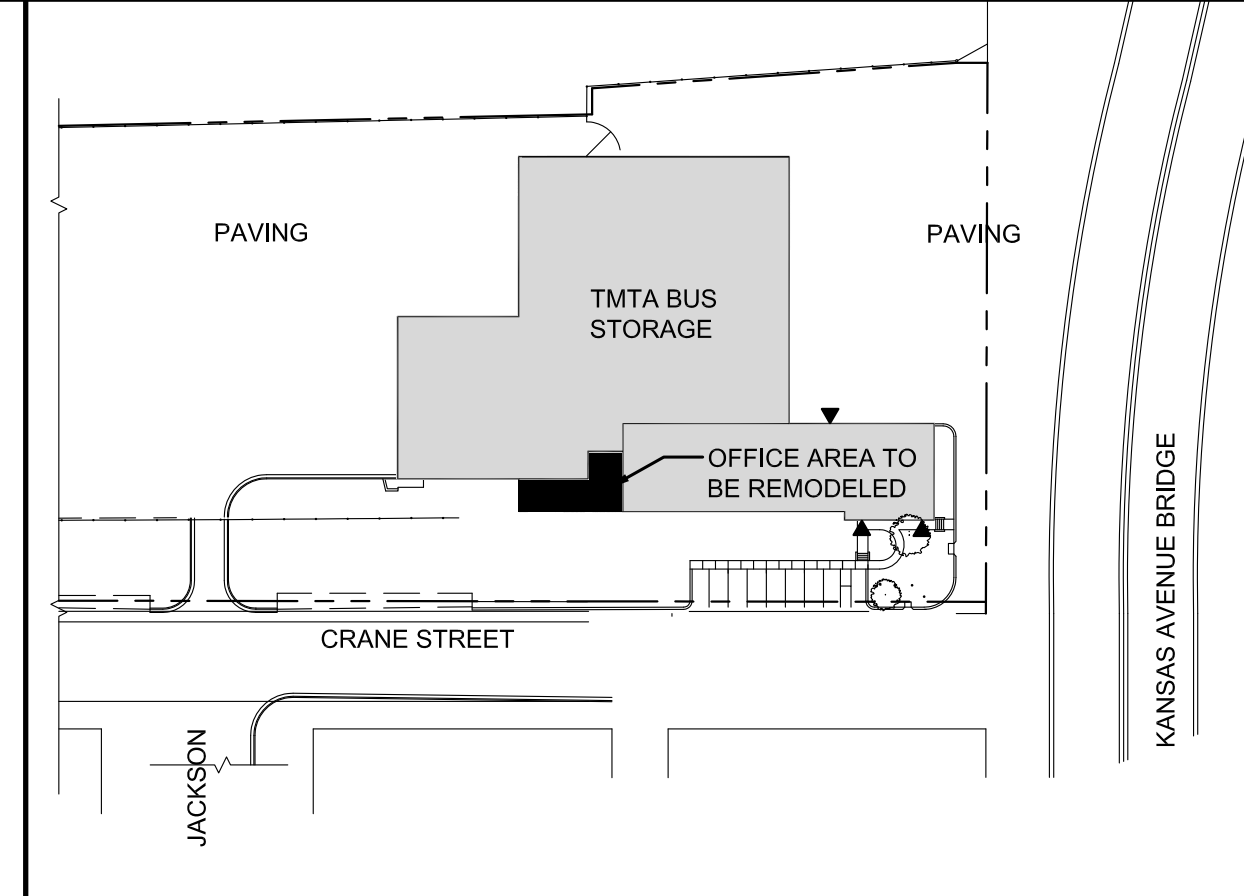
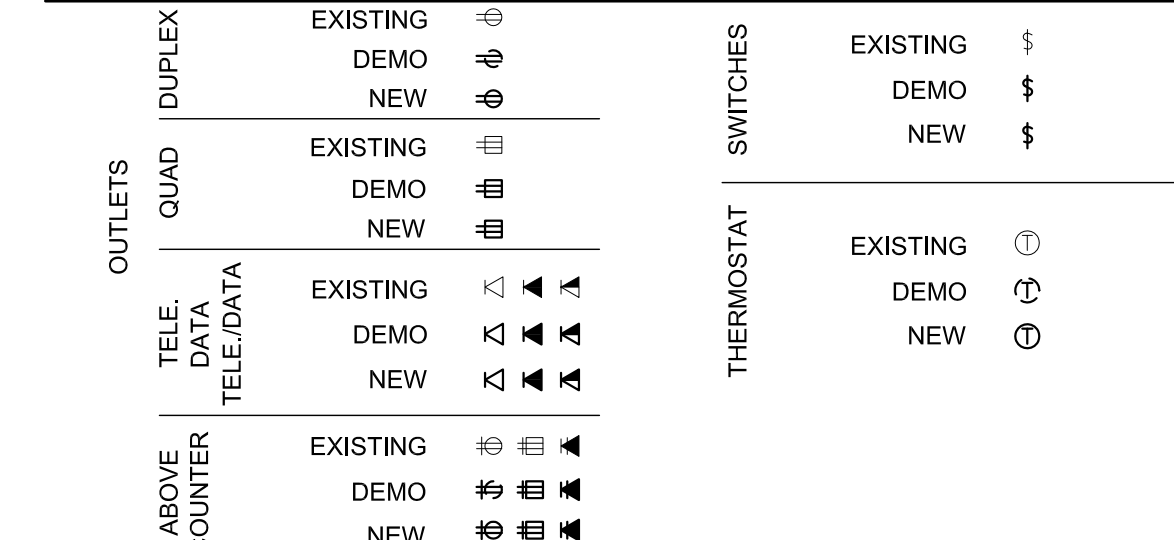
FLOOR PLAN LEGEND



RCP LEGEND



ELECTRICAL SYMBOLS



SHEET INDEX

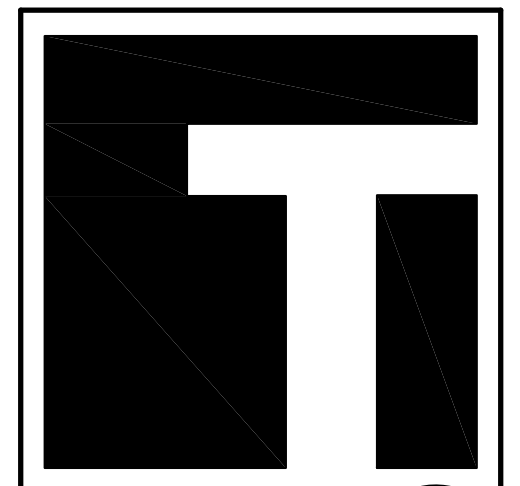
GENERAL INFORMATION
G001 - COVER SHEET
G002 - CODE REVIEW/SPEC
ARCHITECTURAL
A101 - DEMO/FLOOR/CEILING PLAN
MECHANICAL/ELECTRICAL
ME-1 - MECHANICAL/ELECTRICAL SPECS
M-1 - MECHANICAL PLAN
E-1 - ELECTRICAL POWER AND LIGHTING

GENERAL NOTES **A12**
N.T.S.

ABBREVIATIONS **A9**
N.T.S.

SYMBOL LEGEND **A5**
N.T.S.

SHEET INDEX **A1**
N.T.S.

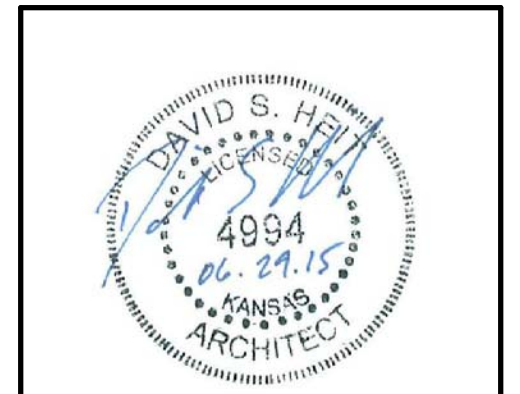


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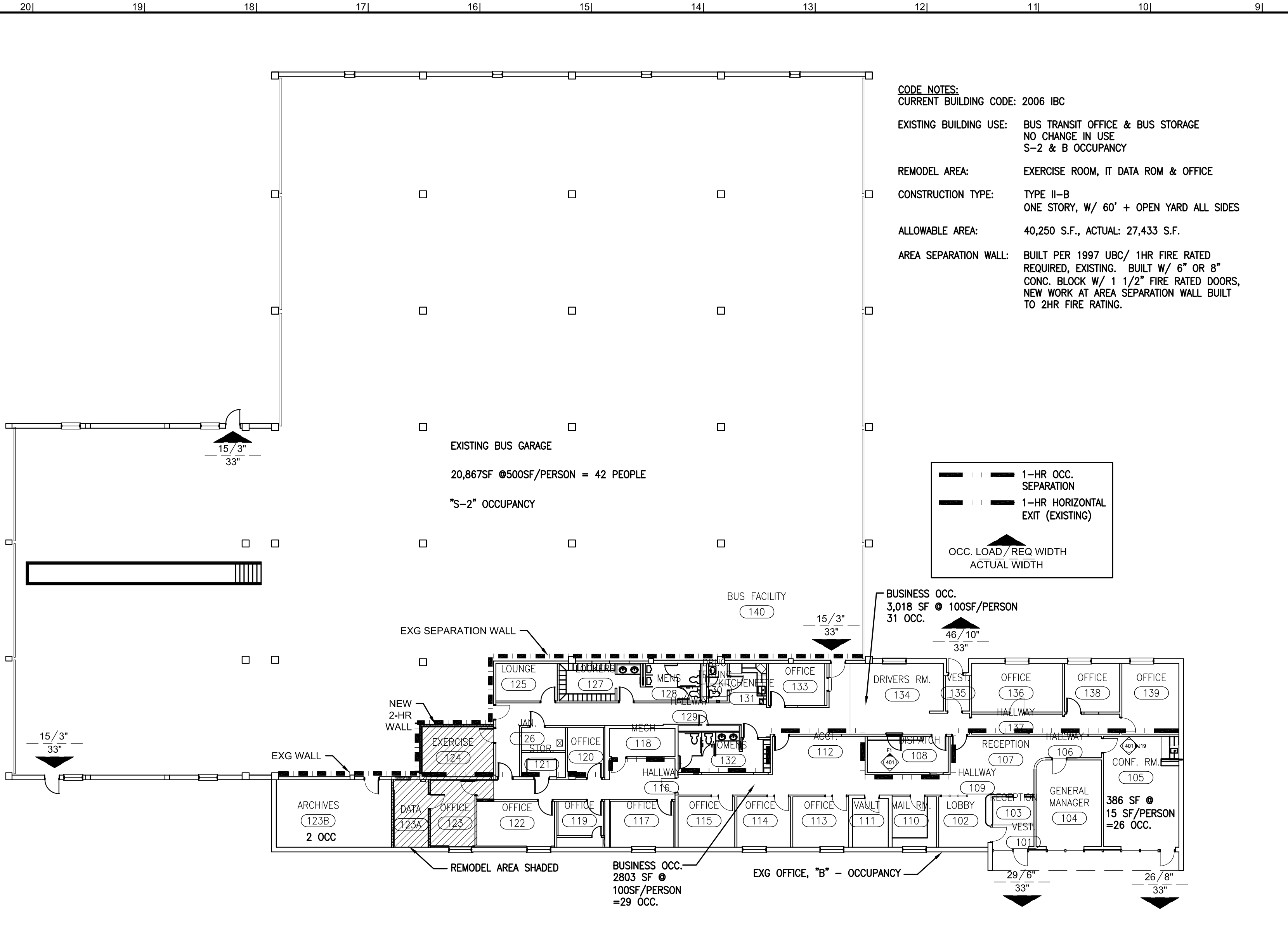


TOPEKA METRO TRANSIT
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EXERCISE & I.T. AREA REMODEL
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CHECKED BY: TD, DH

NO.	ISSUE/REVISION	DATE

COVER SHEET
G001
CONSTRUCTION DOCUMENTS



DIVISION 1 - GENERAL REQUIREMENTS

1. THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION - AIA A201" FORMS PART OF THIS CONTRACT AS IF HEREIN BOUND.
2. SATISFY ALL APPLICABLE LOCAL CODES AND ORDINANCES, REFERENCE THE INTERNATIONAL BUILDING CODE 2006 EDITION AS ADOPTED BY CITY OF TOPEKA, KS.
3. GENERAL CONTRACTOR SHALL FAMILIARIZE HIMSELF / HERSELF WITH THE PROJECT CONSTRUCTION DOCUMENTS AND THE PROJECT SITE AND NOTIFY THE ARCHITECT AND BUILDING OWNER OF ANY DISCREPANCIES WITH EACH.
4. GENERAL CONTRACTOR TO PROVIDE ALL PERMITS AND SPECIAL INSPECTIONS AS REQUIRED BY THE GOVERNING MUNICIPALITY FOR THE PROJECT. GENERAL CONTRACTOR AND ALL RELATED SUBCONTRACTORS SHALL BE FAMILIAR WITH AND UNDERSTAND ALL LOCAL CODES, LAWS, AND AGENCIES THAT GOVERN THE WORK TO BE PERFORMED.
5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, METHODS, TOOLS, LABOR, AND ANY RELATED REQUIREMENTS TO COMPLETE THE PROJECT AS SHOWN ON THE CONSTRUCTION DOCUMENTS.
6. THE GENERAL CONTRACTOR TO VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO ANY DEMOLITION OR CONSTRUCTION AND VERIFY HOOKUP WITH ALL UTILITY COMPANIES AS REQUIRED.
7. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SUBCONTRACTOR DRAWINGS, SEALED BY A PROFESSIONAL ENGINEER, AS REQUIRED FOR THE FOLLOWING TRADES: MECHANICAL, ELECTRICAL, AND PLUMBING. FIRE SPRINKLER AND FIRE ALARM. ALL TESTING OF SYSTEMS OR STRUCTURES AS REQUIRED BY CODE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. GENERAL CONTRACTOR TO BE RESPONSIBLE FOR DAILY CLEANUP OF TENANT SPACE AND FINAL CLEANUP WHEN PROJECT IS COMPLETE.
9. ALL NEW CONSTRUCTION SHALL COMPLY WITH ARTICLE III OF THE AMERICANS WITH DISABILITIES ACT.

DIVISION 9 - FINISHES

1. PROVIDE 5/8" TYPE "X" GYPSUM BOARD ALL LOCATIONS, EXCEPT AT WET LOCATIONS. WET LOCATIONS TO RECEIVE MOISTURE RESISTANT GYPSUM BOARD.
2. GYPSUM WALL BOARD AS MANUFACTURED BY U.S. GYPSUM OR EQUAL. 5/8" THICK TYPICAL AT ALL AREAS UNLESS OTHERWISE NOTED. "FIRE CODE" SHALL BE USED AS NOTED PER CONTRACT DRAWINGS. METAL EDGING SHALL BE USED AT ALL CORNERS AND TRANSITIONS. CONTROL JOINTS SHALL BE INSTALLED IN WALLS EXCEEDING 30'-0" IN LENGTH. WALL BOARD TO MEET ASTM 36.
3. WALL BOARD FINISH SHALL CONSIST OF THREE APPLICATIONS: JOINT COMPOUND OVER TAPE, SANDING THE FINAL TWO COATS SMOOTH.
4. FURR OUT ALL COLUMNS AND PILASTERS WHERE EXPOSED IN FINISHED SPACE, UNLESS NOTED OTHERWISE
5. MATERIALS SHALL MEET THE FOLLOWING STANDARDS:
 - 5.1. GYPSUM WALLBOARD - ASTM C36
 - 5.2. SCREWS - ASTM CERTIFIED
 - 5.3. METAL ACCESSORIES - ASA A97.1
 - 5.4. WATER RESISTANT GYPSUM BACKING BOARD - ASTM C 630
6. USE GYPSUM BOARD FASTENERS THAT ARE RECOMMENDED BY GYPSUM BOARD MANUFACTURER.
7. DIRECT SUSPENSION SYSTEM: ZINC-COATED OR PAINTED STEEL SYSTEM OF FURRING RUNNERS, FURRING TEES AND ACCESSORIES DESIGNED FOR CONCEALED SUPPORT OF SCREW-ATTACHED GYPSUM DRYWALL CEILINGS.
8. SOUND ATTENUATION BLANKETS: SEMI-RIGID MINERAL FIBER WITHOUT MEMBRANE, FS HH-521, TYPE 1.
9. FURNISH AND INSTALL ALL METAL TRIM ACCESSORIES, ADHESIVES, AND JOINT TREATMENTS PER MANUFACTURER'S RECOMMENDATIONS.
10. METAL STUDS TO BE 3 5/8" 25 GAUGE AT 16" O.C. UNLESS NOTED OTHERWISE. PROVIDE DOUBLE 20 GAUGE STUD AT EACH SIDE OF ALL DOOR JAMBS EXTENDING TO OR BRACED TO STRUCTURE ABOVE.

DIVISION 6 - WOODS AND PLASTICS

- CARPENTRY**
1. EACH PIECE OF FRAMING LUMBER SHALL BE IDENTIFIED BY THE GRADE MARK OF AN APPROVED INSPECTION AGENCY OR ASSOCIATION.
 2. ALL WOOD SILLS AND SLEEPERS IN CONTACT WITH MASONRY OR CONCRETE, AND WOOD FRAMING THE BOTTOM OF WHICH IS 24" OR LESS FROM THE EARTH BENEATH SHALL BE CCA TREATED.
 3. WOOD FRAMING AND ALL ROUGH CARPENTRY ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH IBC REQUIREMENTS.
 4. ALL LUMBER USED SHALL BE #2 SPF OR BETTER. USE FIRE RETARDANT TREATED WOOD WHERE REQUIRED BY CODE.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

- SEALANTS**
1. INTERIOR JOINTS IN WET AREAS - MILDEW-RESISTANT SILICONE RUBBER SEALANT; SILICONE RUBBER-BASED, ONE PART ELASTOMERIC SEALANT, COMPLYING WITH FS TT-S-0021543, CLASS A; COMPOUNDED SPECIFICALLY FOR MILDEW RESISTANCE AND RECOMMENDED BY MANUFACTURER FOR INTERIOR JOINTS IN WET AREAS; PASSING ANSI A136.1 TEST FOR MOLD GROWTH.
 2. CASINGS, WINDOW CASINGS AND HOLLOW METAL TO DRYWALL AND MASONRY - SILICONE SEALANT: ONE-PART NONACID-CURING SILICONE SEALANT COMPLYING WITH ASTM C920; TYPE S, GRADE NS, CLASS 25
 3. JOINTS AND SPACES TO BE CAULKED SHALL BE CLEAN, DRY AND FREE OF DUST, LOOSE MORTAR OR OTHER FOREIGN MATERIALS. AFTER JOINTS HAVE BEEN FILLED, THEY SHALL BE NEATLY TOOLED TO ELIMINATE AIR POCKETS OR VOIDS AND TO PROVIDE A SMOOTH, NEAT APPEARING SURFACE.

DIVISION 8 - DOORS, WINDOWS AND GLASS

- HOLLOW METAL DOORS AND FRAMES/STEEL FRAMES**
1. FRAMES SHALL BE 18 GAGE WELDED CONSTRUCTION
 2. FABRICATE HOLLOW METAL UNITS TO BE RIGID, NEAT IN APPEARANCE, AND FREE FROM DEFECTS, WARP OR BUCKLE.
 3. PREPARE STEEL FRAMES TO RECEIVE MORTISED AND CONCEALED FINISH HARDWARE, INCLUDING CUTOUTS, REINFORCING, DRILLING AND TAPPING, COMPLYING WITH ANSI A115 "SPECIFICATIONS FOR DOOR AND FRAME PREPARATION FOR HARDWARE".
 4. SHOP PAINT EXPOSED SURFACES OF HOLLOW METAL UNITS USING MANUFACTURER'S STANDARD BAKED ON RUST INHIBITIVE PRIMER.

WOOD DOORS

1. SINGLE SWING INTERIOR DOORS SHALL BE PREMIUM GRADE RED OAK, OR BUILDING STANDARD, CROSS BANDED WITH PARTICLE BOARD CORE, FACED WITH PREMIUM GRADE PLAIN SLICED VENEER TO MATCH BUILDING STANDARD. SIZE AND THICKNESS AS SHOWN ON THE DOOR SCHEDULE. COMPLY WITH REQUIREMENTS OF ANSINWMA I.S. 1 AND SECTION 1400 OF AWI "ARCHITECTURAL WOODWORK QUALITY STANDARDS" EXCEPT AS OTHERWISE INDICATED.

FINISH HARDWARE

1. PROVIDE FINISH HARDWARE FOR ALL DOORS IN PROJECT. ALL HARDWARE SHOULD MATCH BUILDING STANDARD. THE CONTRACTOR SHALL VERIFY ALL KEYING REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

DIVISION 15 - MECHANICAL & PLUMBING SYSTEMS

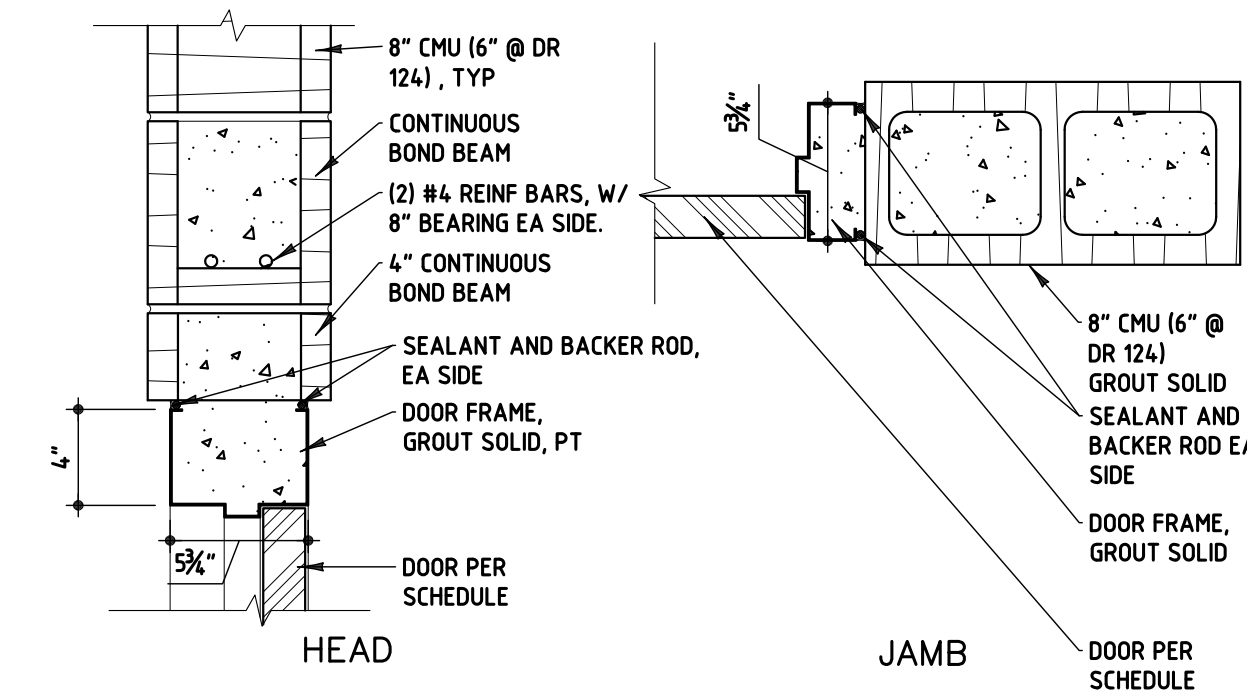
SEE MECHANICAL AND PLUMBING DRAWINGS

DIVISION 16 - ELECTRICAL SYSTEMS

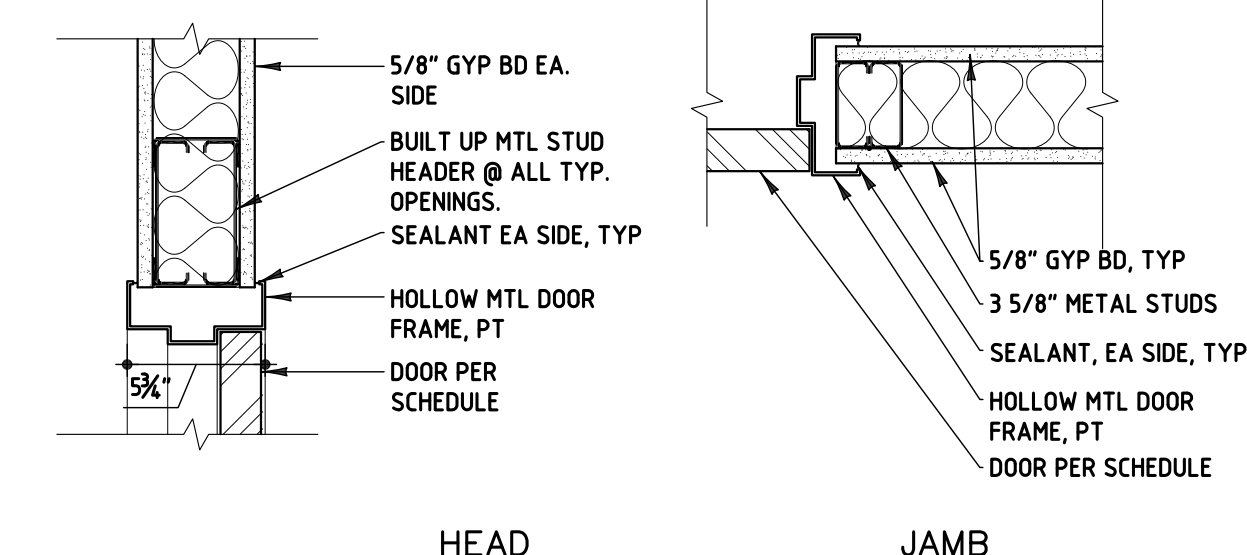
SEE MECHANICAL AND PLUMBING DRAWINGS

CODE PLAN K8
1/16" = 1'-0"

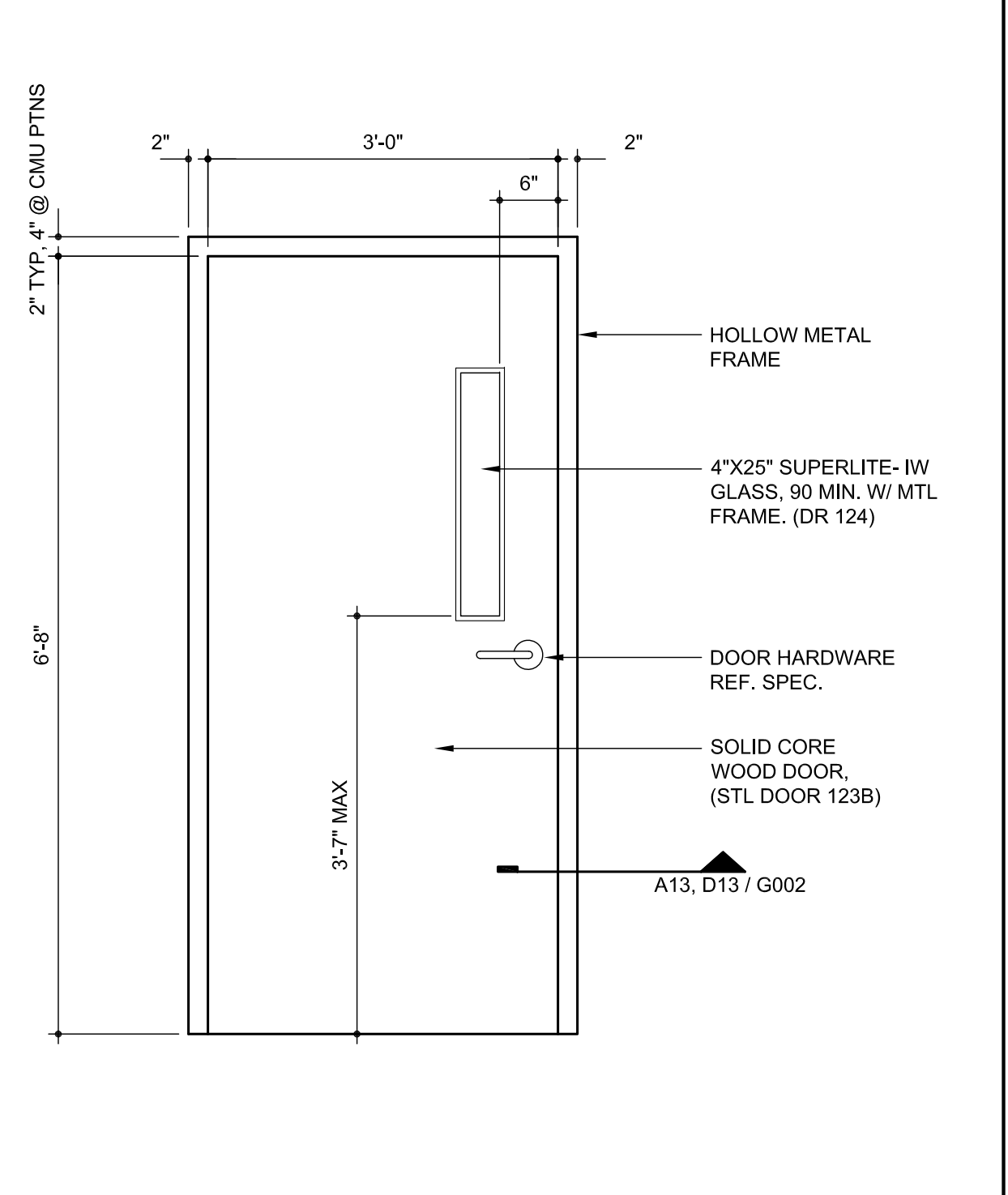
- DOOR HARDWARE**
- DOOR 123. 3'-0" x 6'-8" OAK W/ HM. FRAME**
 20 MIN. FIRE RATED.
 1-CLASSROOM LOCKSET
 3-HINGES.
 1-CLOSER.
 1-SMOKE SEAL.
 1-WALL STOP.
- DOOR 123A. 3'-0" x 6'-8" OAK W/ HM. FRAME**
 1-CLASSROOM LOCKSET.
 3-HINGES.
 1-WALL STOP.
 3-SILENCERS.
- DOOR 123B. 3'-0" x 6'-8" STL W/ HM. FRAME**
 90 MIN. FIRE RATED.
 1-STOREROOM LOCKSET.
 3-HINGES.
 1-CLOSER.
 1-SMOKE SEAL.
- DOOR 124. 3'-0" x 6'-8" OAK W/ HM. FRAME**
 90 MIN. FIRE RATED.
 1-CLASSROOM LOCKSET.
 3-HINGES.
 1-CLOSER.
 1-WALL STOP.
 1-SMOKE SEAL.



DOOR IN CMU PTN DETAILS D13
1 1/2" = 1'-0"

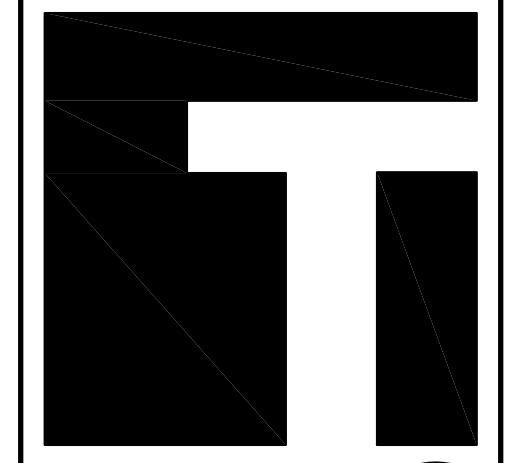


DOOR IN GYP PTN DETAILS A13
1 1/2" = 1'-0"



DOOR FRAME ELEVATION A8
3/4" = 1'-0"

SPECIFICATIONS A1
N.T.S.

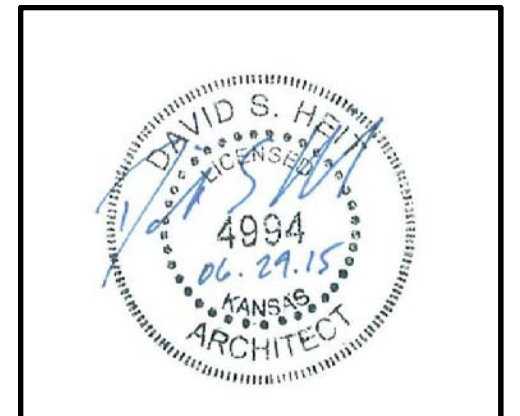


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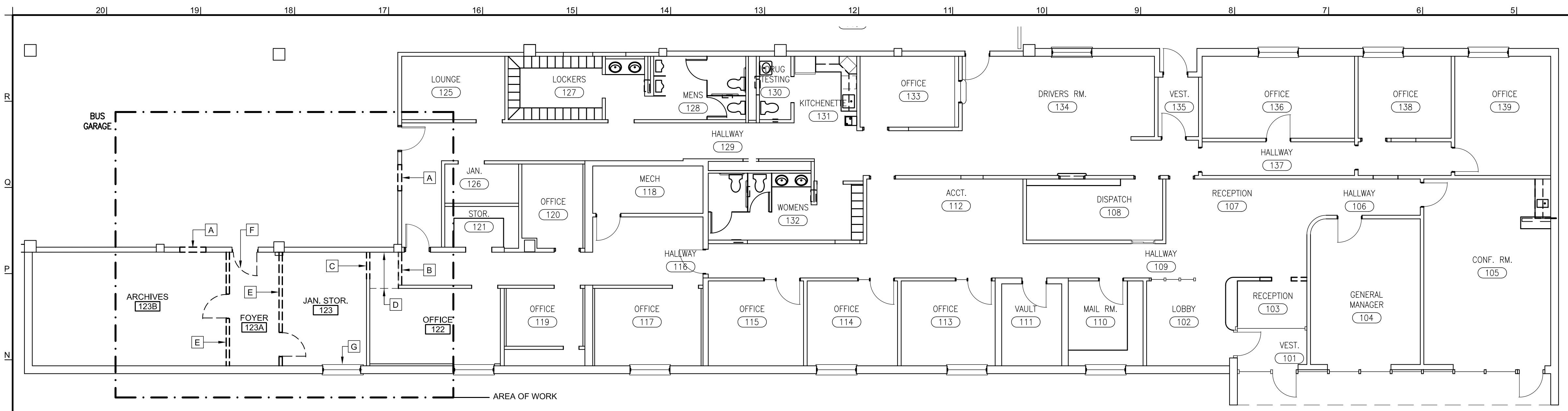


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DRAWN BY: ET, TD, RK
CHECKED BY: TD, DH

NO.	ISSUE/REVISION	DATE

CODE REVIEW
G002
CONSTRUCTION DOCUMENTS



DEMO PLAN M8
1/8" = 1'-0"

- DEMO PLAN KEYNOTES**
- A REMOVE CONC. BLOCK PARTITION AS REQ FOR NEW DOOR OPENING & LINTEL.
 - B REMOVE GYP. BD. & MTL STUD PARTITION TO 7'-0" A.F.F.
 - C REMOVE GYP. BD. & MTL STUDS AS REQ FOR NEW DOOR.
 - D REMOVE/SALVAGE EXG CARPET TILE.
 - E REMOVE 8' TALL WOOD STUD PARTITION/WOOD SHEATING/DOORS & FRAME AS SHOWN.
 - F REMOVE STL DUTCH DOOR & STL FRAME.
 - G REMOVE & SALVAGE WOOD WINDOW TRIM/APRON FOR REUSE.

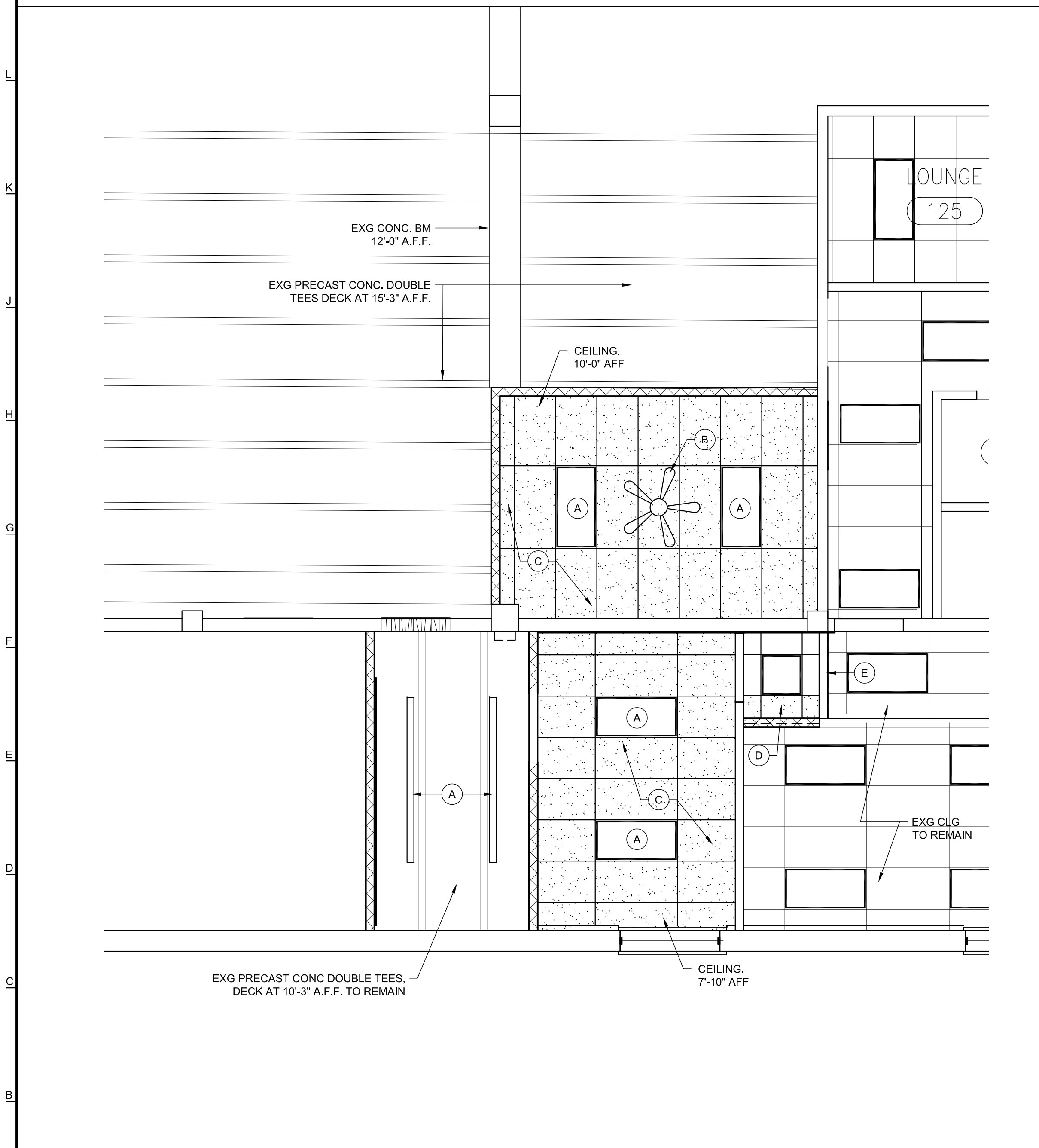
- CEILING PLAN KEYNOTES**
- A LIGHT FIXTURE, REF. ELEC.
 - B FAN, REF. ELEC.
 - C 2X4 ACOUSTIC PANEL CEILING & MTL GRID. MATCH EXISTING.
 - D EXG CEILING AT LIGHT TO REMAIN, EXTEND CEILING GRID TO NEW SOUTH PARTITION, PATCH CEILING PANELS AS REQ.
 - E BULKHEAD: ADD BOTTOM RUNNER CHANNEL TO UNDERSIDE OF EXISTING STUDS @ 7' 0" AFF. ADD LAYER OF 5/8" GYP TO UNDERSIDE OF CHANNEL, PATCH, REPAIR AND FINISH TO MATCH EXISTING WALLS.

- FLOOR PLAN KEYNOTES**
- 1 TREADMILL/EQUIPMENT BY OWNER.
 - 2 ELLIPTICAL/EQUIPMENT BY OWNER.
 - 3 BIKE/EQUIPMENT BY OWNER.
 - 4 TV & MOUNT/EQUIPMENT BY OWNER.
 - 5 SHELF BY OWNER.
 - 6 DATA EQUIPMENT RACK, BY OWNER.
 - 7 PLYWOOD MOUNTING BOARD, 3/4" X 4'-0" X 12'-0" L MOUNT 3'-0" A.F.F., -CPCI
 - 8 NEW OPENING IN EXG 8" CMU (6" @ DR 124) PARTITION, PROVIDE 3'-0" X 6'-8" STL. DOOR & FRAME, 1 1/2 HOUR FIRE RATED, INSTALL NEW BOND BEAM LINTEL REINFORCED.
 - 9 NEW 3'-0" X 6'-8" WD DOOR & STL. FRAME.
 - 10 NEW 3'-0" X 6'-8" WD DOOR & STL. FRAME, 20 MIN. FIRE RATED.
 - 11 PATCH WALL & BASE AT REMOVED PARTITION, MATCH ADJACENT WALL FINISHES.
 - 12 CARPET TILE, MATCH EXG.
 - 13 EXG CMU WALL, PATCH AS REQ, PAINT & INSTALL RUBBER BASE.
 - 14 INSTALL SALVAGE WD WINDOW APRON & TRIM, EXTEND WOOD JAMB/STOOLHEAD CASING AS REQ, AT NEW FURRING, MATCH EXG WOOD & STAIN FINISH.

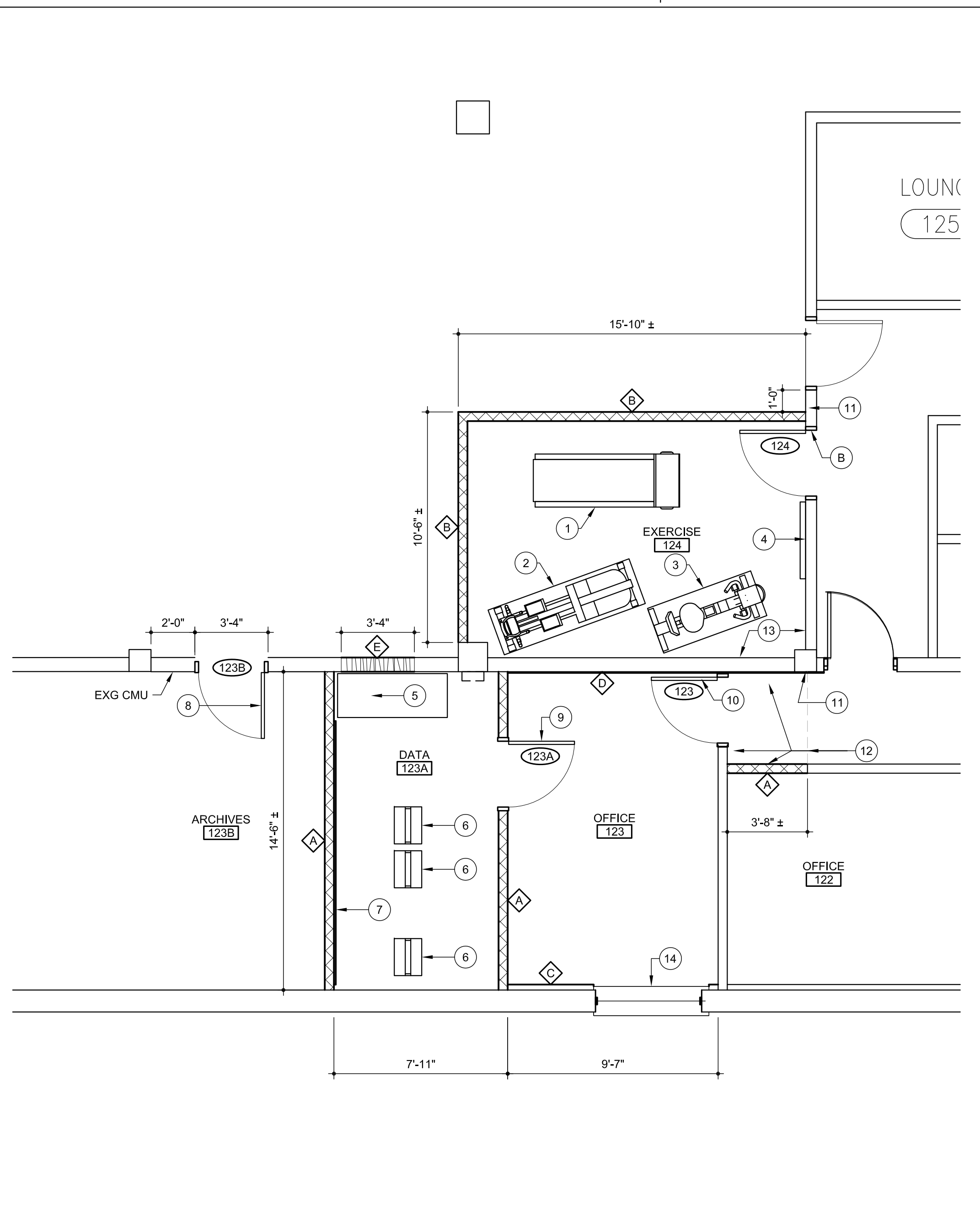
FINISHES

PAINT (& RUBBER BASE) - ALL WALLS ROOMS 123, 123A, & 124.
 VCT - 12x12 TILE FLOOR - ROOM 124
 CARPET TILE - ROOM 123, PROVIDE RUBBER REDUCER TO DOOR 123A

- PARTITION TYPES**
- A 3 5/8" MTL w/ 5/8" GYP. BD. EACH SIDE. TO STRUCTURE ABOVE. (10'-3" A.F.F.) 1-HR FIRE RATED, UL DESIGN NUMBER U419. PROVIDE DEFLECTION TRACK AT TOP OF PARTITION, PAINT & 4" RUBBER COVE BASE EACH SIDE.
 - B 3 5/8" MTL w/ (2) LAYERS OF 5/8" GYP. BD. EACH SIDE. W/ R-13 FIBERGLASS BATTIS & CONTINUOUS VAPOR BARRIER, TO STRUCTURE ABOVE. (15'-3" A.F.F. WEST SIDE OF ROOM 124, & 12'-0" AFF TO CONC BEAM/FILL BETWEEN DOUBLE TEE STEMS) PROVIDE DEFLECTION TRACK AT STRUCTURE. PARTITION SHALL BE 2-HOUR FIRE RATED PER UL DESIGN NUMBER U419.
 - C 1 1/2" MTL ZEE FURRING W/ RIGID EXPANDED POLYSTYRENE BOARD INSULATION & 5/8" GYP. BD., TO STRUCTURE ABOVE. 10'-3" A.F.F., PAINT & RUBBER BASE.
 - D 1 1/2" MTL ZEE FURRING W/ 5/8" GYP. BD., EXTEND 6" ABOVE CEILING, PAINT & 4" RUBBER BASE.
 - E 8" CONC. BLOCK, INFILL 3'-4" X 7'-0" OPENING. MATCH ADJACENT WALL, - PAINT.



REFLECTED CEILING PLAN F13
1/4" = 1'-0"



FLOOR PLAN A8
1/4" = 1'-0"

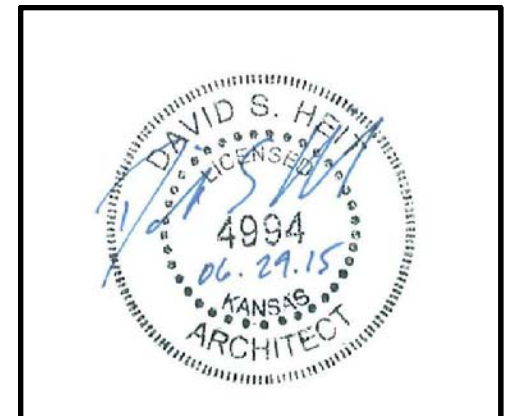
NOTES A1
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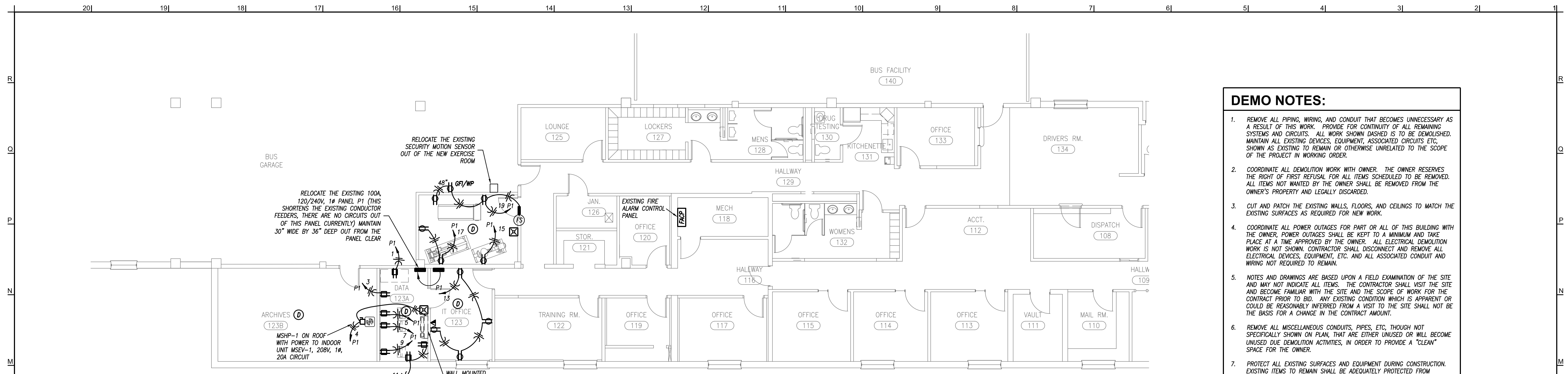


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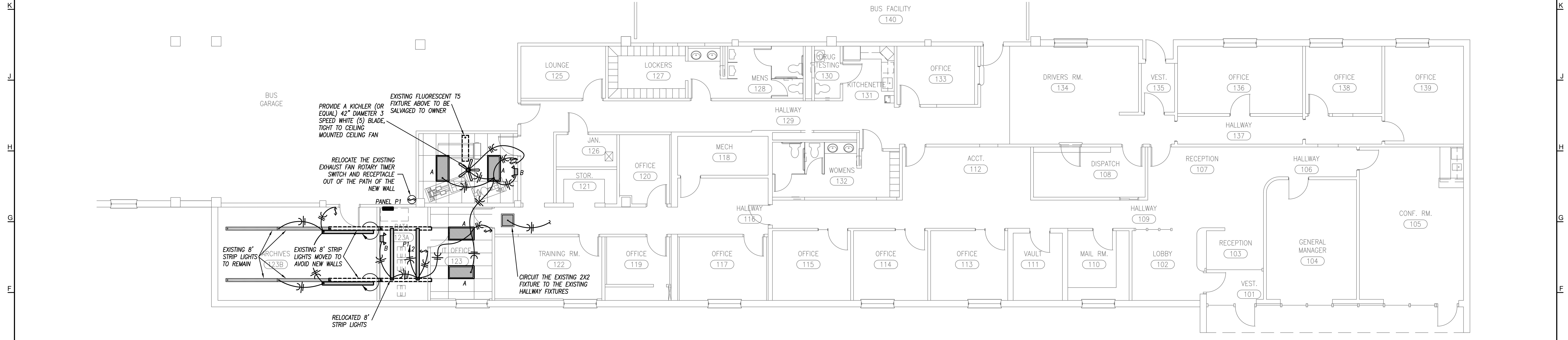
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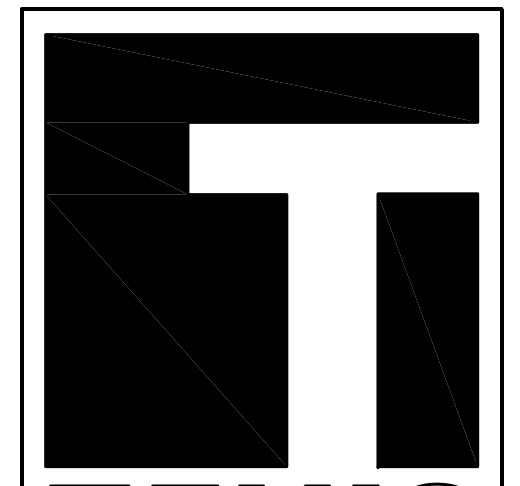
FLOOR PLAN - POWER
1/8" = 1'-0"

- DEMO NOTES:**
- REMOVE ALL PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THIS WORK. PROVIDE FOR CONTINUITY OF ALL REMAINING SYSTEMS AND CIRCUITS. ALL WORK SHOWN DASHED IS TO BE DEMOLISHED. MAINTAIN ALL EXISTING DEVICES, EQUIPMENT, ASSOCIATED CIRCUITS ETC. SHOWN AS EXISTING TO REMAIN OR OTHERWISE UNRELATED TO THE SCOPE OF THE PROJECT IN WORKING ORDER.
 - COORDINATE ALL DEMOLITION WORK WITH OWNER. THE OWNER RESERVES THE RIGHT OF FIRST REFUSAL FOR ALL ITEMS SCHEDULED TO BE REMOVED. ALL ITEMS NOT WANTED BY THE OWNER SHALL BE REMOVED FROM THE OWNER'S PROPERTY AND LEGALLY DISCARDED.
 - CUT AND PATCH THE EXISTING WALLS, FLOORS, AND CEILINGS TO MATCH THE EXISTING SURFACES AS REQUIRED FOR NEW WORK.
 - COORDINATE ALL POWER OUTAGES FOR PART OR ALL OF THIS BUILDING WITH THE OWNER. POWER OUTAGES SHALL BE KEPT TO A MINIMUM AND TAKE PLACE AT A TIME APPROVED BY THE OWNER. ALL ELECTRICAL DEMOLITION WORK IS NOT SHOWN. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES, EQUIPMENT, ETC. AND ALL ASSOCIATED CONDUIT AND WIRING NOT REQUIRED TO REMAIN.
 - NOTES AND DRAWINGS ARE BASED UPON A FIELD EXAMINATION OF THE SITE AND MAY NOT INDICATE ALL ITEMS. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE SITE AND THE SCOPE OF WORK FOR THE CONTRACT PRIOR TO BID. ANY EXISTING CONDITION WHICH IS APPARENT OR COULD BE REASONABLY INFERRED FROM A VISIT TO THE SITE SHALL NOT BE THE BASIS FOR A CHANGE IN THE CONTRACT AMOUNT.
 - REMOVE ALL MISCELLANEOUS CONDUITS, PIPES, ETC. THOUGH NOT SPECIFICALLY SHOWN ON PLAN, THAT ARE EITHER UNUSED OR WILL BECOME UNUSED DUE DEMOLITION ACTIVITIES, IN ORDER TO PROVIDE A "CLEAN" SPACE FOR THE OWNER.
 - PROTECT ALL EXISTING SURFACES AND EQUIPMENT DURING CONSTRUCTION. EXISTING ITEMS TO REMAIN SHALL BE ADEQUATELY PROTECTED FROM DEMOLITION AND NEW CONSTRUCTION WORK, AS REQUIRED. ANY ITEMS DAMAGED OR MARRED SHALL BE ADEQUATELY CLEANED OR REPLACED TO THE OWNERS SATISFACTION TO ORIGINAL CONDITION BEFORE CONSTRUCTION.
 - PATCH ANY HOLES IN WALLS, FLOORS, OR STRUCTURE CREATED BY REMOVAL OF DUCTWORK, PIPES, ETC.



FLOOR PLAN - LIGHTING
1/8" = 1'-0"

PANELBOARD SCHEDULE									
PANEL DESIGNATION	MAIN BUS AMPS: 100		VOLTAGE: 120/240V		MOUNTING: SURFACE		LOCATION: SEE PLAN		
P1	MAIN BREAKER: MLO		PHASEWIRE: 1PH/3W		MINIMUM AIC: 22K				
	CKT. NO.	BKR. AMP	CKT. NO.	BKR. AMP	CIRCUIT DESCRIPTION				
RECEPTACLES	1	20	1	2	20	1	LIGHTING		
RECEPTACLES	1	20	3	4	20	2	COMPUTER ROOM MINI SPLIT AC		
RECEPTACLES	1	20	5	6					
RECEPTACLES	1	20	7	8	20	1	SPARE		
RECEPTACLES	1	20	9	10	20	1	SPARE		
RECEPTACLES	1	20	11	12	20	1	SPARE		
RECEPTACLES	1	20	13	14					
RECEPTACLES	1	20	15	16					
RECEPTACLES	1	20	17	18					
RECEPTACLES	1	20	19	20					
SPARE	1	20	21	22					
SPARE	1	20	23	24					
			25	26					
			27	28					
			29	30					

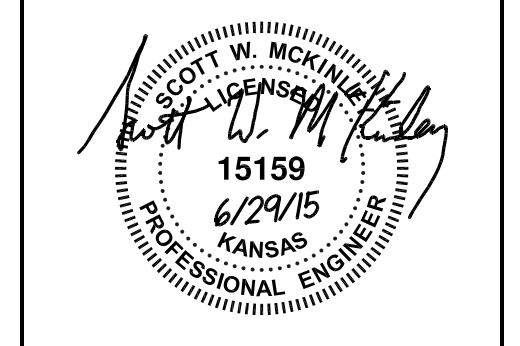


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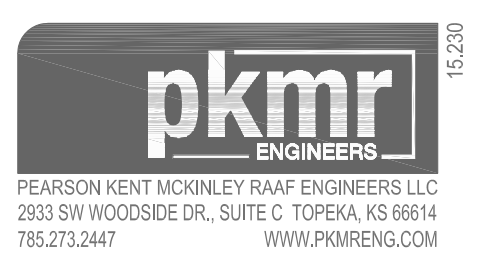
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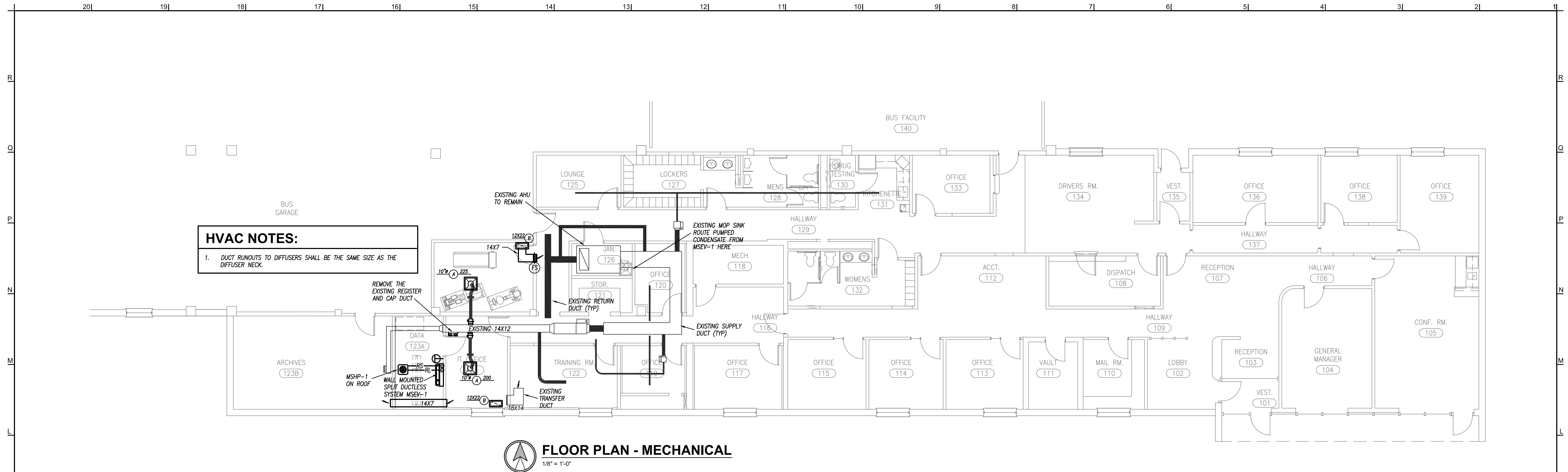
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HVAC NOTES:
 1. DUCT RUNOUTS TO DIFFUSERS SHALL BE THE SAME SIZE AS THE DIFFUSER NECK.

FLOOR PLAN - MECHANICAL
 1/8" = 1'-0"

GRILLE, REGISTER & DIFFUSER SCHEDULE

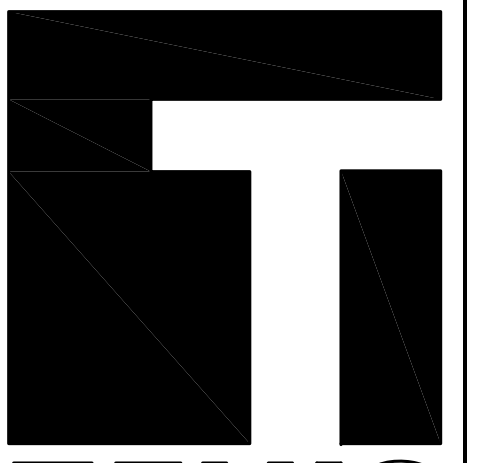
PLAN MARK	MANUFACTURER	MODEL NUMBER	SERVICE	MOUNT TYPE	VOLUME DAMPER	MATERIAL	MATERIAL COLOR	NOTES
A	PRICE	SPD	SUPPLY	GRID	NO	STEEL	WHITE	
B	PRICE	535-0	RETURN	GRID	NO	STEEL	WHITE	1

NOTES LEGEND
 1. PROVIDE WITHOUT SCREW HOLES WHERE USED IN A GRID CEILING

MINI-SPLIT DUCTLESS EVAPORATOR/HEAT PUMP SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	NOMINAL SIZE	MAX CFM	ENTERING AIR DRY/WET	COOLING MBH	HEATING MBH	ELECTRICAL	MOCF AMPS	MIN CIRCUIT AMPS	DISCONNECT	NOTES
MSEV/MSHP-1	DAIKIN	PKA-A18GA/PUZ-A18NHA	1.5 TON	425	80/67	18.0	13.0	208/240V, 1Ø	20	13	YES	1,2,3

NOTES LEGEND
 1. PROVIDE WIRED REMOTE THERMOSTAT AND CONDENSATE PUMP
 2. PROVIDE ALL NEEDED ACCESSORIES FOR A COMPLETE INSTALLATION WITH LOW AMBIENT COOLING DOWN TO 0 DEG AMBIENT.
 3. VERIFY EXACT REFRIGERANT LINE SIZES WITH MANUFACTURER.

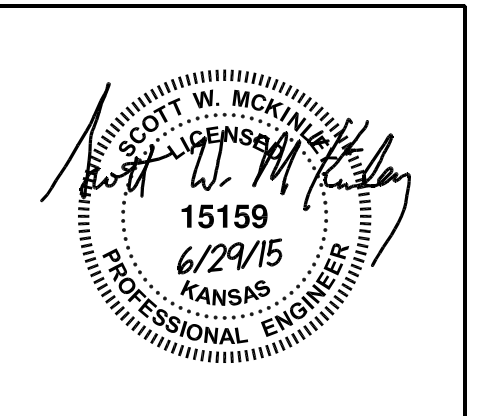


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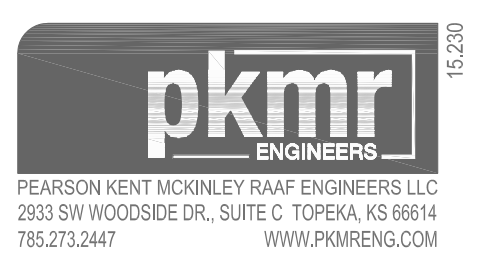


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MECHANICAL SPECIFICATIONS

SECTION 15000 - MECHANICAL REQUIREMENTS
1. GENERAL REQUIREMENTS
 A. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF UNIFORM MECHANICAL CODE AND UNIFORM PLUMBING CODE, LOCAL CITY CODES, AND ALL OTHER APPLICABLE CODES.
 B. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR THE EXECUTION OF THIS WORK AND SHALL MAKE ARRANGEMENTS FOR MODIFICATIONS TO THE WATER, GAS AND SEWER CONNECTIONS TO THE BUILDING AS REQUIRED.
 C. ALL MATERIALS SHALL BE NEW AND SHALL BEAR ALL LABELS WHERE APPLICABLE.
 D. THE MECHANICAL CONTRACTOR SHALL DO ALL EXCAVATING AND BACK FILLING NECESSARY TO COMPLETE WORK UNDER THIS SPECIFICATION, UNLESS INDICATED OTHERWISE ON PLANS.
 E. THE CONTRACTOR SHALL VISIT THE SITE AND OBSERVE THE CONDITIONS UNDER WHICH THE WORK WILL BE DONE. ANY DISCREPANCIES SHALL BE CALLED TO THE ARCHITECT'S ATTENTION. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONTRACT FOR ANY ERROR OR NEGLIGENCE ON THE CONTRACTOR'S PART.
 F. FINAL ACCEPTANCE OF WORK SHALL BE SUBJECT TO THE CONDITION THAT ALL SYSTEMS, EQUIPMENT, APPARATUS AND APPLIANCES OPERATE SATISFACTORILY AS DESIGNED AND INTENDED. WORK SHALL INCLUDE REQUIRED ADJUSTMENT OF SYSTEMS AND CONTROL EQUIPMENT INSTALLED UNDER THIS SPECIFICATION DIVISION.
 G. CONTRACTOR WARRANTS TO OWNER AND ARCHITECT THE QUALITY OF MATERIALS, EQUIPMENT, WORKMANSHIP AND OPERATION OF EQUIPMENT PROVIDED UNDER THIS SPECIFICATION DIVISION FOR A PERIOD OF ONE YEAR FROM AND AFTER COMPLETION OF BUILDING AND ACCEPTANCE OF THE MECHANICAL SYSTEMS BY THE OWNER.
 H. IF THE MECHANICAL CONTRACTOR ELECTS TO USE PERMANENT EQUIPMENT FOR TEMPORARY CONDITIONING, THE MECHANICAL CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL PERMANENT EQUIPMENT USED FOR TEMPORARY CONDITIONING DURING THE CONSTRUCTION PERIOD AND SHALL PROVIDE A TOTAL OF TWO YEARS WARRANTY COVERING ALL PARTS AND LABOR ON ALL PERMANENT EQUIPMENT UTILIZED FOR TEMPORARY CONDITIONING. THIS WARRANTY SHALL COVER ALL PIPING, FITTINGS, VALVES, PIPE AND EQUIPMENT INSULATION, PUMPS, BOILERS, CHILLERS, CONDENSING UNITS, COOLING TOWER, AIR HANDLING UNITS, EXHAUST AND RELIEF AIR FANS, DUCTWORK, DUCTWORK INSULATION, DIFFUSERS, TEMPERATURE CONTROLS, ALL ELECTRIC MOTORS, STARTERS, DISCONNECT SWITCHES, FUSES, WIRE, AND CONDUIT. THIS WARRANTY SHALL COVER ALL REQUIRED MAINTENANCE ON THE SYSTEM WITH THE EXCEPTION OF FILTER CHANGES, AND SHALL START ON THE DATE SHOWN ON THE FINAL COMPLETION CERTIFICATE. CAUTION: THE CONTRACTOR IS BEING WARNED THE ARCHITECT-ENGINEER WILL NOT ACCEPT DIRTY EQUIPMENT AND/OR DUCTWORK CAUSED BY CONSTRUCTION CONTAMINATION. DURING FINAL COMPLETION STAGES AND UPON APPROVAL FROM THE BUILDING OWNER, WHEN ALL SHEETROCKING IS COMPLETE, SANDING IS COMPLETE, ALL EXTERIOR WINDOWS AND DOORS ARE INSTALLED, AND THE WORK PLACE IS SWEEP UP IN ORDER TO REMOVE ALL CONSTRUCTION DEBRIS (CLEANLINESS OF THE WORK PLACE WILL BE AT THE DISCRETION OF THE ARCHITECT-ENGINEER), THEN THE UNITS WILL BE ALLOWED TO BE IN OPERATION FOR A MAXIMUM OF TWO WEEKS PRIOR TO RECEIVING THE OCCUPANCY PERMIT WITHOUT THE REQUIREMENTS OF THE TWO YEAR WARRANTY PREVIOUSLY MENTIONED.

SECTION 15100 - PLUMBING
1. PRODUCTS
 A. CONDENSATE DRAIN PIPING
 1) ALL WATER PIPING SHALL BE 95-5 TIN-ANTIMONY JOINED TYPE L COPPER.
 2) PIPE INSULATION
 INSULATION SHALL BE BY OWENS-CORNING FIBERGLASS, SCHULLER, OR KNAUF AS/SSL-11, 4.2 LB DENSITY PIPE INSULATION WITH WHITE FIRE RETARDANT ASJ JACKET AND SELF-SEALING LAP. AVERAGE THERMAL CONDUCTIVITY SHALL NOT EXCEED .26 BTU/HR AT 75 DEGREES F MEAN TEMPERATURE. SEAL LONGITUDINAL JACKET LAPS AND BUTT STRIPS WITH C.M. NO. 17-485 OR B.F. NO. 85-75 VAPOR BARRIER ADHESIVE. INSULATE VALVES AND FITTINGS AS FOLLOWS:
 INSULATE EXPOSED AND CONCEALED VALVES AND FITTINGS WITH 2" THICK CLASS FIBERGLASS INSERTS OR BLANKETS. COVER FITTINGS WITH ZESTON PRODUCTS PVC FITTING COVERS OR APPROVED EQUAL. PVC FITTING COVERS SHALL BE SECURED WITH MECHANICAL FASTENERS SUCH AS TACKS OR STAPLES FOR TEMPERATURES ABOVE 75 DEGREES F. FOR COLD SERVICE ALL JOINTS SHALL BE SEALED WITH VAPOR BARRIER ADHESIVE OR BY PRESSURE SENSITIVE VAPOR BARRIER VINYL TAPE.
 1) CONDENSATE LINES - 1/2" THICK FOR ALL SIZES.
 2) EXERCUTION
 A. AFTER PIPING IS IN PLACE TEST THE LINES TO INSURE NO LEAKS.
 B. ALL PIPING SHALL BE SUPPORTED PROPERLY FROM STRUCTURE.

SECTION 15300 - HVAC
1. GENERAL
 A. PROVIDE COMPLETE HVAC SYSTEM AS SHOWN ON DRAWINGS INCLUDING EQUIPMENT, DUCTWORK, DIFFUSERS, GRILLES, AND FILTERS. PROVIDE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL EQUIPMENT.
 B. ALL HVAC WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL REQUIREMENTS OF THE LOCAL BUILDING CODE, ASHRAE, NEC, NFPA AND ALL OTHER APPLICABLE CODES HAVING JURISDICTION.
2. PRODUCTS
 A. DUCTWORK
 1) ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL OF GAUSES AND JOINT TYPES SPECIFIED IN THE SMACNA MANUAL. VOLUME DAMPERS SHALL BE MANUAL LOCKING BLADE TYPE.
 2) ALL DUCTWORK MUST BE SUPPORTED PROPERLY FROM STRUCTURE.
 B. DUCTWORK SPECIALTIES
 1) DIFFUSERS AND GRILLES (SEE SCHEDULE)
 2) EQUIVALENT DIFFUSERS AND GRILLES BY PRICE, CARNES, TUTTLE AND BAILEY, TILES, LOUVERS AND DAMPERS, E.H. PRICE, GREENHECK, OR RUSKIN.
 3) INSULATION - LINE ALL DUCTWORK WITH CERTAINECT ULTRA LITE 300, 1/2" THICK 3/8 DENSITY INSULATION. INCREASE DUCTWORK 1/2" IN HEIGHT AND WIDTH FOR ADDED INSULATION. PROVIDE 1" THICK 3/8 DENSITY INSULATION ON ALL DISCHARGE PLENUMS FROM FURNACES.
 ALL ROUND DUCTWORK SHALL BE INSULATED WITH 1-1/2" FIBERGLASS WITH VAPOR BARRIER JACKET.
 4) FLEXIBLE DUCTS - THERMAFLEX OR EQUAL TYPE G-HW INSULATED. TAKE OFF FITTING SHALL BE FLEXMASTER OR EQUAL #FLCE WITH LOCKING DAMPER AND AIR SCOP. MAXIMUM LENGTH OF FLEXIBLE DUCTWORK SHALL BE 7'-0".
C. HVAC EQUIPMENT
 1) HEAT PUMP UNITS
 (A) PROVIDE AS SCHEDULED AND INDICATED ON PLANS HEAT PUMP UNITS AS SPECIFIED. EQUIVALENTS BY MITSUBISHI, LG, TRANE, LENNOX, OR DAIKIN.
 (B) PROVIDE MINI SPLIT SYSTEM WITH LOW AMBIENT COOLING.
 (C) PROVIDE LOWERED COIL HANG GUARDS TO AVOID COIL DAMAGE.
 (D) MANUFACTURER TO FINAL SIZE ALL REFRIGERANT SUCTION AND LIQUID LINES. PROVIDE ALL ACCUMULATORS, SOLENOID VALVE AND ANY OTHER COMPONENTS AS REQUIRED FOR REFRIGERANT LINE LENGTHS INDICATED BY DRAWINGS. PROVIDE ALL REFRIGERANT AND OIL REQUIRED FOR EACH REFRIGERANT CIRCUIT.

MECHANICAL SYMBOL LIST

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

RL	REFRIGERANT LIQUID	— — — — —	DOMESTIC COLD WATER	— — — — —	SHUTOFF VALVE
RS	REFRIGERANT SUCTION	— — — — —	DOMESTIC HOT WATER	— — — — —	SHUTOFF VALVE IN RISER
D	DRAIN (CONDENSATE)	— — — — —	RECIRCULATING DOMESTIC HOT WATER	— — — — —	BALANCING VALVE
⊕	THERMOSTAT	— — — — —	WASTE ABOVE GRADE OR FLOOR	— — — — —	PIPING ELBOW UP
— — — — —	SUPPLY AIR FLOW INDICATOR	— — — — —	WASTE BELOW GRADE OR FLOOR	— — — — —	PIPING ELBOW DOWN
— — — — —	RETURN AND EXHAUST AIR FLOW INDICATOR	— — — — —	STORM ABOVE GRADE OR FLOOR	— — — — —	PIPING TEE UP
— — — — —	SUPPLY DIFFUSER	— — — — —	STORM BELOW GRADE OR FLOOR	— — — — —	PIPING TEE DOWN
— — — — —	LINEAR/SLOT DIFFUSER	— — — — —	STORM OVERFLOW ABOVE GRADE OR FLOOR	— — — — —	INCREASER / REDUCER
— — — — —	RETURN GRILLE OR EXHAUST REGISTER	— — — — —	STORM OVERFLOW BELOW GRADE OR FLOOR	— — — — —	UNION
— — — — —	INDICATES CONNECT TO EXISTING	— — — — —	PLUMBING VENT	— — — — —	CAP
— — — — —	INDICATES ELEVATION	— — — — —	GAS (NATURAL)	— — — — —	PIPE FLEX
FWCO	FLUSH WALL CLEAN OUT	— — — — —	PROPANE	— — — — —	STRAINER
FFCO	FLUSH FLOOR CLEAN OUT	— — — — —	HOSE BIBB	— — — — —	TEST PLUG
FGCO	FLUSH GRADE CLEAN OUT	— — — — —	WALL HYDRANT JOSAM SERIES 71000 OR EQUIVALENT	— — — — —	TRIPLE DUTY VALVE
VIR	VENT THROUGH ROOF	— — — — —	CLEAN OUT	— — — — —	CHECK VALVE
WH	WASHLINE	— — — — —	FIRE DAMPER OR FIRE SMOKE DAMPER	— — — — —	DAMPER TAKE OFF FROM RECTANGULAR DUCT WITH ROUND DUCT RUNOUT TO MAX OF 7' OF FLEX DUCT
FL	FLOOR DRAIN, AREA DRAIN, FLOOR SINK	— — — — —			
RD	ROOF DRAIN, OVERFLOW ROOF DRAIN	— — — — —			

ELECTRICAL SPECIFICATIONS

SECTION 16000 - ELECTRICAL REQUIREMENTS
1. GENERAL REQUIREMENTS
 A. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR AND MATERIALS REQUIRED TO HAVE A COMPLETE FUNCTIONING ELECTRICAL LIGHTING AND POWER SYSTEMS TOGETHER WITH ALL ASSOCIATED EQUIPMENT AND APPARATUS AS SHOWN ON THE PLANS.
 B. CODES: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, NFPA, LOCAL CITY CODES, AND ALL OTHER APPLICABLE CODES.
 C. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE U.L. LABEL WHERE APPLICABLE. PROVIDE WEATHERPROOF EQUIPMENT ENCLOSURES WHERE REQUIRED.
 D. THE CONTRACTOR SHALL FURNISH AND INSTALL FOR WORK DESIGNATED AS HIS RESPONSIBILITY ALL WIRING, CONDUIT, CONNECTORS, OUTLETS, ETC., NECESSARY TO ACHIEVE A COMPLETE ELECTRICAL INSTALLATION. WHERE AN ELECTRICAL DEVICE IS REQUIRED BY CODE BUT NOT SHOWN, IT SHALL BE FURNISHED AND INSTALLED AS THOUGH FULLY SHOWN AND SPECIFIED.
 E. THE CONTRACTOR SHALL VISIT THE SITE AND OBSERVE THE CONDITIONS UNDER WHICH THE WORK WILL BE DONE. ANY DISCREPANCIES SHALL BE CALLED TO THE ARCHITECT'S ATTENTION. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION FOR ANY ERROR OR NEGLIGENCE ON THE CONTRACTOR'S PART.
 F. THE CONTRACTOR SHALL PROVIDE CIRCUIT DIRECTORY WITH TYPED CIRCUIT DESIGNATION CARD UNDER PLASTIC COVER ON THE INSIDE OF EACH PANEL DOOR. ELECTRICAL CONTRACTOR SHALL ALSO FURNISH AND INSTALL NAMEPLATES ON ALL OTHER ENCLOSURES, DISCONNECT SWITCHES AND PANELBOARDS. EACH NAMEPLATE SHALL BE BLACK LAMINATED MICA/TA WITH 1/4" HIGH WHITE LETTERS, DESCRIBING PANEL DESIGNATION AND VOLTAGE CHARACTERISTICS, AND SHALL BE PERMANENTLY AFFIXED TO OUTSIDE SURFACE OF DOOR BY MEANS OF METAL SCREWS.

SECTION 16100 - CONDUIT AND CONDUCTORS
1. PRODUCTS
 A. FOLLOW CIRCUITING SHOWN ON PLANS. USE NO CONDUIT SMALLER THAN 1/2" AND NO CONDUCTORS SMALLER THAN #12 GA UNLESS NOTED OTHERWISE.
 B. PROVIDE RIGID STEEL, IMC OR EMT CONDUIT WITH STEEL INSULATED COMPRESSION FITTINGS FOR ALL CIRCUITING. ALL WIRING SHALL BE IN CONDUIT. WIRING IN METAL OR WOOD STUD WALLS MAY BE IN MC FLEXIBLE METALLIC CONDUIT, HOMERUNS BACK TO THE PANEL SHALL BE IN EMT CONDUIT IF ABOVE GRADE AND PVC CONDUIT IF BELOW GRADE.
 C. CONDUCTORS SHALL BE COPPER THERMOPLASTIC INSULATED TYPE THIN OR BETTER, COLOR CODED AS DESCRIBED UNDER APPLICABLE CODES. NO ROMEX, BX, ETC. IS PERMITTED. LIGHTING FIXTURE WIRE INSULATION SHALL HAVE A TEMPERATURE RATING NOT LESS THAN THE INDIVIDUAL LIGHTING FIXTURE MANUFACTURER'S RECOMMENDED RATING.
 D. ALL CONDUIT, JUNCTION BOXES, ETC. ABOVE CEILING SHALL BE SUPPORTED FROM STRUCTURE. PIPE SLEEVES, HANGERS AND SUPPORTS SHALL BE FURNISHED AND SET, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR PROPER AND PERMANENT LOCATIONS.

SECTION 16200 - GROUNDING
1. GENERAL
 A. SUPPLEMENT GROUNDING SYSTEM WITH EQUIPMENT GROUNDING SYSTEM, INSTALLED SO THAT METALLIC STRUCTURES, ENCLOSURES, RACEWAYS, JUNCTION BOXES, OUTLET BOXES, CABINETS, MACHINE FRAMES, PORTABLE EQUIPMENT AND OTHER CONDUCTIVE ITEMS OPERATE CONTINUOUSLY AT GROUND POTENTIAL AND PROVIDE LOW IMPEDANCE PATH FOR GROUND FAULT CURRENTS.
 B. SYSTEM SHALL COMPLY WITH NATIONAL ELECTRICAL CODE, THE DRAWINGS AND AS SPECIFIED.
2. EXECUTION
 A. CONNECT SYSTEM NEUTRAL GROUND AND EQUIPMENT GROUND SYSTEM TO COMMON GROUND BUS. GROUND SECONDARY SERVICES AT SUPPLY SIDE OF EACH INDIVIDUAL SECONDARY DISCONNECTING MEANS AND AT RELATED TRANSFORMERS IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. PROVIDE EACH SERVICE DISCONNECT ENCLOSURE WITH NEUTRAL DISCONNECTING MEANS WHICH INTERCONNECTS WITH INSULATED NEUTRAL AND UNINSULATED EQUIPMENT GROUND SUB TO ESTABLISH SYSTEM COMMON GROUND POINT. NEUTRAL DISCONNECTING LINES SHALL BE LOCATED SO THAT LOW VOLTAGE NEUTRAL BAR WITH INTERIOR SECONDARY NEUTRALS CAN BE ISOLATED FROM COMMON GROUND BUS AND SERVICE ENTRANCE CONDUCTORS.
 B. EQUIPMENT GROUNDING CONDUCTORS FOR BRANCH CIRCUIT HOME RUNS SHOWN ON THE DRAWINGS SHALL INDICATE AN INDIVIDUAL AND SEPARATE GROUND CONDUCTOR FOR THAT BRANCH CIRCUIT WHICH SHALL BE TERMINATED AT THE BRANCH CIRCUIT PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT.
 C. PROVIDE LOW VOLTAGE DISTRIBUTION SYSTEM WITH A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR FOR EACH SINGLE OR THREE-PHASE FEEDER. SINGLE PHASE 120 VOLT BRANCH CIRCUITS FOR LIGHTING AND POWER SHALL CONSIST OF PHASE AND NEUTRAL CONDUCTORS AND A GREEN GROUNDING CONDUCTOR INSTALLED IN CONDUIT WHICH SHALL SERVE AS GROUNDING CONDUCTOR.
 D. GROUNDING CONDUCTORS SHALL BE AS SHOWN ON PLANS OR IF NOT SPECIFICALLY SHOWN SHALL BE NO SMALLER THAN THAT REQUIRED BY THE NEC.

SECTION 16300 - ELECTRICAL EQUIPMENT
1. PRODUCTS
 A. DISCONNECT SWITCHES SQUARE D HEAVY DUTY, RAIN TIGHT AS REQUIRED OR APPROVED EQUAL.
 B. ALL JUNCTION BOXES AND OUTLET BOXES FOR LIGHT FIXTURES, RECEPTACLES, AND WALL SWITCHES SHALL BE OF THE GALVANIZED KNOCKOUT TYPE. LIGHTING FIXTURE OUTLET BOXES IN CEILING SHALL NOT BE LESS THAN 4" OCTAGONAL OF THE KNOCKOUT TYPE. OUTLETS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE DRAWINGS EXCEPT OUTLETS MAY BE MOVED 4 FEET IN EITHER DIRECTION IF SO DIRECTED, WITHOUT ADDITIONAL COST TO THE OWNER. OUTLET BOXES SHALL BE FLUSH MOUNTED ON ALL WALLS FOR CONCEALED WORK. GAMGABLE TYPE BOXES SHALL BE USED IN ALL GYPOBOARD SURFACES.
 C. PANELBOARDS
 1) PANELBOARDS USE EXISTING PANEL WITH NEW CIRCUIT BREAKERS.

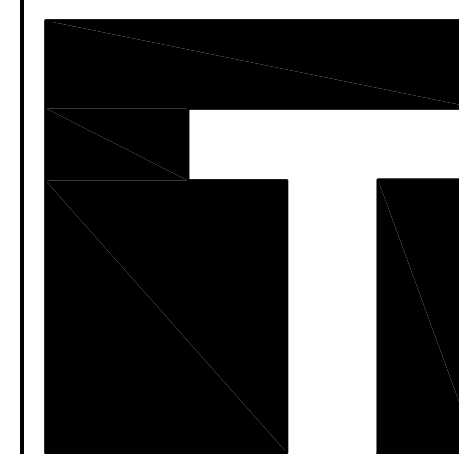
SECTION 16400 - WIRING DEVICES
1. PRODUCTS
 A. EQUIVALENT DEVICES BY LEVITON, BRANT, HUBBELL.
 B. CONVENIENCE OUTLETS SHALL BE LEVITON CONFIGURATION GRADE (COLOR TO BE SELECTED BY ARCHITECT) 20 AMP DUPLEX WITH GROUND AS SHOWN, AND WALL PLATES (COLOR TO BE SELECTED BY ARCHITECT). OTHER OUTLETS SHALL BE VERIFIED WITH EQUIPMENT SUPPLIERS FOR PROPER NEMA CONFIGURATIONS. PROVIDE GFC RATED DEVICES WHERE INDICATED.
 C. LIGHT SWITCHES SHALL BE LEVITON CONFIGURATION GRADE (COLOR TO BE SELECTED BY ARCHITECT) 20 AMP TOGGLE SWITCHES WITH WALL PLATES (COLOR TO BE SELECTED BY ARCHITECT).
2. EXECUTION
 A. PHONE AND DATA OUTLETS:
 1) PROVIDE 2" x 4" x 2" 1/2" OUTLET BOX WITH BLANK METAL COVER. PROVIDE 3/4" CONDUIT FROM OUTLET BOX TO ABOVE ACCESSIBLE CEILING.
 B. ALL OUTLETS, SHALL BE MOUNTED WITH BOTTOM AT 18" AFF AND SWITCHES WITH BOTTOM AT 44" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE ON PLANS.
 C. FLOOR BOXES SHALL BE STEEL CITY MODEL #664 C1 WITH (1) RECEPTACLE PLATE AND (1) DATA/VOICE PLATE AND 664-CST-SW COVER OR EQUIVALENT.

SECTION 16500 - LUMINAIRES, LAMPS AND BALLASTS
1. PRODUCTS
 A. LUMINAIRES
 1) PROVIDE LIGHTING FIXTURES COMPLETE WITH LAMPS AND ACCESSORIES REQUIRED FOR HANGING. COORDINATE MOUNTING OF CEILING MOUNTED LIGHTING FIXTURES WITH GENERAL CONTRACTOR. WHERE ADDITIONAL FIXTURE SUPPORTS ARE REQUIRED THEY SHALL BE PROVIDED BY E/C. LIGHTING FIXTURE SUPPORTS SHALL COMPLY WITH THE LATEST EDITION OF THE NEC SECTIONS 410-15 AND 410-16. PROVIDE LIGHTING FIXTURE SECURING CLIPS AS REQUIRED. CONSULT ARCHITECTURAL PLANS FOR CEILING TYPES AND PROVIDE SURFACE AND RECESSED LIGHTING FIXTURES WITH APPROPRIATE MOUNTING COMPONENTS AND ACCESSORIES.
 2) SEE LIGHTING FIXTURE SCHEDULE ON PLANS FOR FIXTURE TYPES. EQUIVALENT LUMINAIRES BY HUBBELL, LITHONIA, WILLIAMS, COLUMBIA, EXTRONICS, LITELARM, EXIDE.
 B. LAMPS
 1) FIXTURE LAMPS SHALL BE LAMP TYPE RECOMMENDED BY FIXTURE MANUFACTURER. LAMP NO FIXTURES ABOVE MANUFACTURER'S RECOMMENDED MAXIMUM WATTAGES. INCANDESCENT LAMPS SHALL BE INSIDE FROSTED (IF) TYPE UNLESS OTHERWISE CALLED FOR IN FIXTURE SCHEDULE. PROVIDE FLUORESCENT LAMPS AS 32WAT, T-8, WITH A COLOR RENDITION INDEX(CRI) OF NO LESS THAN 75 AND A COLOR TEMPERATURE OF 4100 DEGREES K. , 2900 APPROXIMATE INITIAL LUMENS UNLESS OTHERWISE CALLED FOR IN THE FIXTURE SCHEDULE.
 2) EQUIVALENT LAMPS BY G.E., VENTURE, PHILLIPS OR SYLVANIA.
 C. BALLASTS
 1) FLUORESCENT ELECTRONIC BALLASTS SHALL BE THE ELECTRONIC TYPE HAVE A THD OF LESS THAN 20% BY ADVANCE, G.E., MOTOROLA OR MAGNETEK.
 2) PROVIDE HO FIXTURES WITH BALLAST SPECIFICALLY DESIGNED FOR USE WITH SPEEDY HO LAMPS.
 3) BALLAST FOR LIGHTING IN UNCONDITIONED AREAS WHERE FIXTURES ARE REQUIRED TO OPERATE BELOW 50 DEGREES F SHALL HAVE BALLASTS DESIGNED FOR LOW AMBIENT OPERATION.
 D. EMERGENCY BATTERY PACKS
 1) EMERGENCY BATTERY PACKS SHALL BE NICKEL CADMIUM BATTERY, CHARGER BOARD, AND ELECTRONIC CIRCUIT ENCLOSED IN A STEEL CASE. FLUORESCENT BATTERY PACKS SHALL PROVIDE APPROXIMATELY 1350 INITIAL LUMENS FROM ONE LAMP FOR 90 MINUTES. UNITS SHALL BE U.L. LISTED AND RATED FOR OPERATION INTERIOR OR EXTERIOR TO LUMINAIRE. PROVIDE 5-YEAR WARRANTY. BATTERY PACKS SHALL BE BOBINE B-50 OR IOTA I-320. EQUIVALENT BY LITHONIA.
SECTION 16700 - FIRE ALARM
1. EXTEND THE EXISTING FIRE ALARM SYSTEM. PROVIDE A COMPLETE UL LISTED SYSTEM WITH BATTERY BACK-UP. WIRING SHALL BE IN CONDUIT. WIRING TO DEVICES SHALL BE #16/2 TWISTED SHIELD PAIR FOR DATA AND #14/2 FOR POWER (VERIFY WITH SYSTEM SUPPLIER).
 2. PROVIDE ALL PANELS, EXTENDERS, DEVICES, ANNUNCIATORS, PULL STATIONS, STROBES, HORN/STROBES, SMOKE DETECTORS, AND ADDITIONAL DEVICES AS REQUIRED OR SHOWN ON PLANS.
 3. PROVIDE PHONE LINES AND THIRD PARTY/CENTRAL STATION MONITORING THROUGH THE DIGITAL ALARM COMMUNICATOR OR DIALER.
 4. SYSTEM SHALL BE PROVIDED WITH BATTERY BACKUP FOR 24 HOURS OF OPERATION AND 5 MINUTES OF ALARM.
 5. SUBMIT SHOP DRAWINGS WITH WIRING DIAGRAMS AND BATTERY CALCUS FOR APPROVAL.
 6. SYSTEM SHALL BE UL LISTED.

ELECTRICAL SYMBOL LIST

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

	HOME RUN (2 #12, 1 #12 G UNLESS NOTED OTHERWISE)		DUPLEX RECEPTACLE		MANUAL PULL STATION
	INDICATES 2 PHASE, 1 NEUTRAL, AND 1 GROUND CONDUCTOR		LINE THRU DEVICE INDICATES ABOVE COUNTER		CEILING SMOKE DETECTOR
	TELEPHONE CONDUIT		DUPLEX RECEPTACLE WITH ISOLATED GROUND (SIMPLEX AND QUADPLEX SIMILAR)		DUCT SMOKE DETECTOR
	OVERHEAD ELECTRICAL		QUADPLEX RECEPTACLE		STROBE LIGHT
	UNDERGROUND ELECTRICAL		SIMPLEX RECEPTACLE		HORN
	BATTERY OPERATED EMERGENCY LIGHT (WALL MTD)		CEILING MOUNTED RECEPTACLE		COMBINATION HORN/STROBE
	BATTERY OPERATED EMERGENCY LIGHT (CEILING MTD)		SPECIAL RECEPTACLE W/NEMA CONFIG AS NOTED		FIRE ALARM BELL
	SURFACE/RECESSED LIGHT FIXTURE		POKE-THRU W/DUPLEX RECEPTACLE		FIRE ALARM/SPRINKLER TAMPER AND FLOW SWITCHES
	FLUORESCENT LIGHT FIXTURE		POKE-THRU W/DATA RECEPTACLES		FIRE ALARM CONTROL PANEL
	FLUORESCENT STRIP FIXTURE		POKE-THRU W/POWER AND DATA		AREA OF RESCUE CALL STATION
	EXIT LIGHT		SINGLE GANG FLOOR BOX		AREA OF RESCUE MASTER STATION
	FIXTURE EQUIPPED WITH BATTERY		2 GANG MULTI-SERVICE FLOOR BOX		COMBINATION SPEAKER/STROBE
	LIGHT SWITCH - SINGLE POLE		3 GANG MULTI-SERVICE FLOOR BOX		FIRE ALARM ANNUNCIATOR PANEL
	LIGHT SWITCH - 3-WAY		4 GANG MULTI-SERVICE FLOOR BOX		REMOTE ANNUNCIATOR PANEL
	LIGHT SWITCH - 4-WAY		HOSPITAL GRADE NON-FUSED		ELECTRO/MAGNETIC DOOR HOLD OPEN
	CEILING OCCUPANCY SENSOR FOR LIGHTING CONTROL		EXISTING ISOLATED GROUND		TELEPHONE OUTLET (SINGLE GANG BOX WITH 3/4" C TO ABOVE ACCESSIBLE CEILING)
	WALL OCCUPANCY SENSOR WITH OVERRIDE SWITCH FOR LIGHTING CONTROL		SURGE SUPPRESSION WEATHER PROOF		LINE THRU DEVICE INDICATES ABOVE COUNTER
	SURFACE PANELBOARD		GROUND FAULT INTERRUPT EMERGENCY		DATA OUTLET (DOUBLE GANG BOX W/ 2) 3/4" C TO ABOVE ACCESSIBLE CEILING)
	RECESSED PANELBOARD		DISCONNECT SWITCH 30A-3P, NON-FUSED EXCEPT AS NOTED		TELEPHONE/DATA OUTLET (DOUBLE GANG BOX W/ 2) 3/4" C TO ABOVE ACCESSIBLE CEILING)
	CONTROL CIRCUIT		NIGHT LIGHT RELOCATED EXISTING		POWER AND DATA POLE
	MOTOR		INDICATES CONNECT TO EXISTING		TELEVISION OUTLET (SINGLE GANG BOX W/ 3/4" C TO ABOVE ACCESSIBLE CEILING)
	INDICATES ELEVATION				

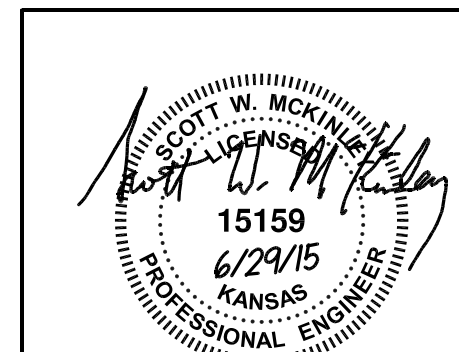


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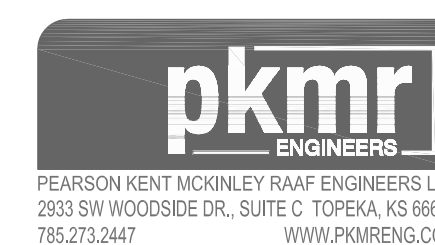
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 CONSTRUCTION DOCUMENTS

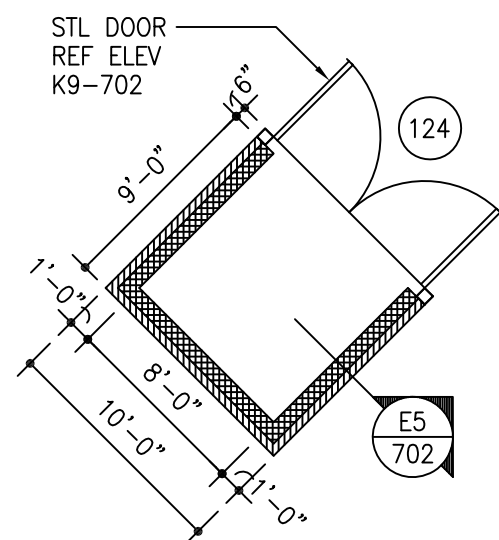


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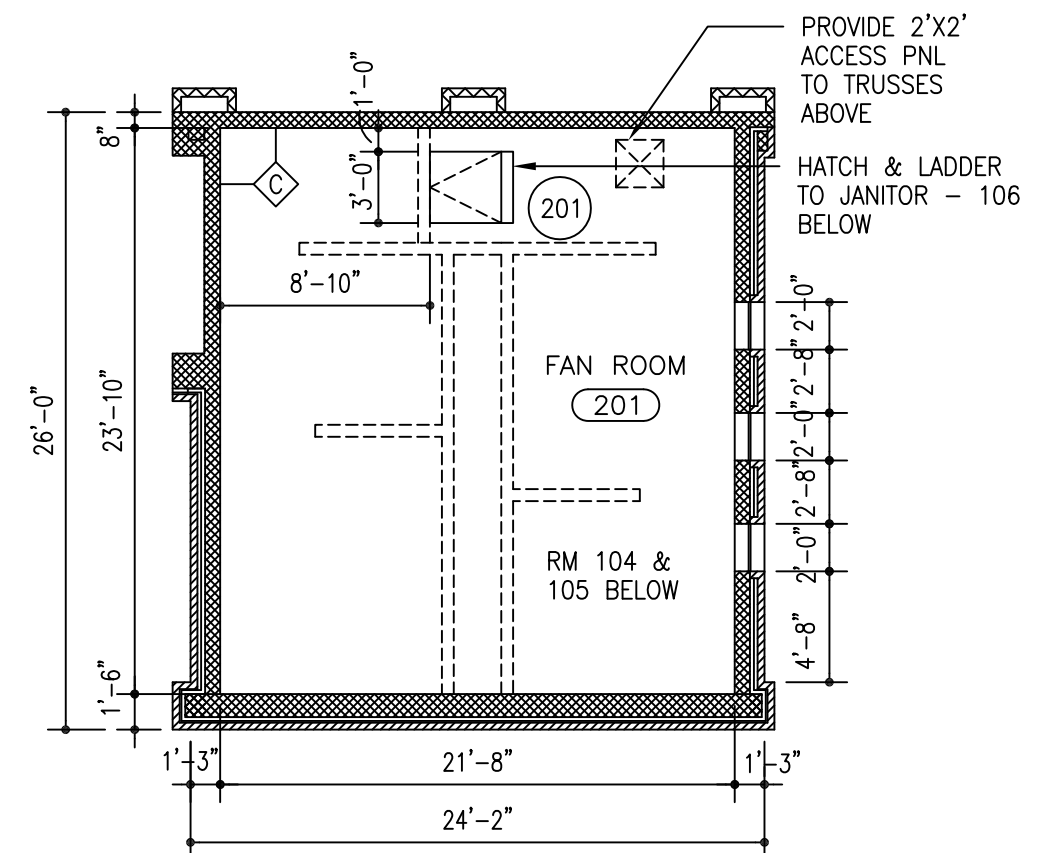
PARTITION & FURRING TYPES

ALL PARTITIONS TO WITHIN 1/2" OF STRUCTURE - CAULK TOP BOTH SIDES - TYP

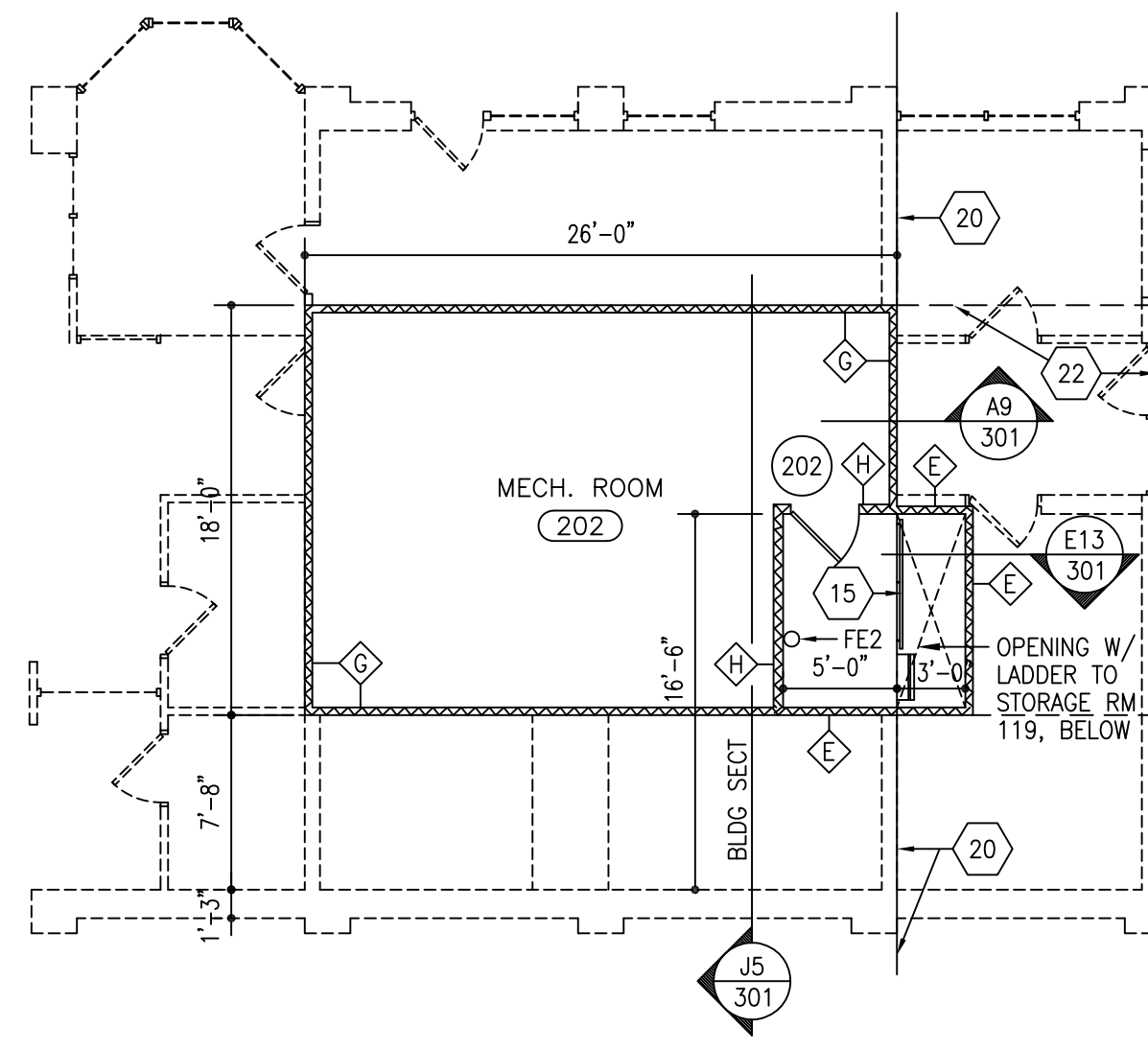
- ◇ S SUFFIX 's' ON PLAN DENOTES SOUND RATED PARTITION
- ◇ A 8" CMU - REINF / GROUT FULL
- ◇ B 6" CMU
- ◇ C 8" CMU - REINF
- ◇ D 3 5/8" MTL STUD W/ 5/8" EA SIDE
- ◇ E 3 5/8" MTL STUD W/ 5/8" GYP ONE SIDE
- ◇ F 8" CMU W/ 5/8" GYP LAM ONE SIDE
- ◇ G 4" SHAFT WALL, 1" GYP LINER R-13 FIBER GL INSUL & 5/8" GYP 1 HR RATED
- ◇ H 3 5/8" MTL STUD W/ 5/8" EA SIDE R-13 FIBER GL INSUL - 1 HR RATED



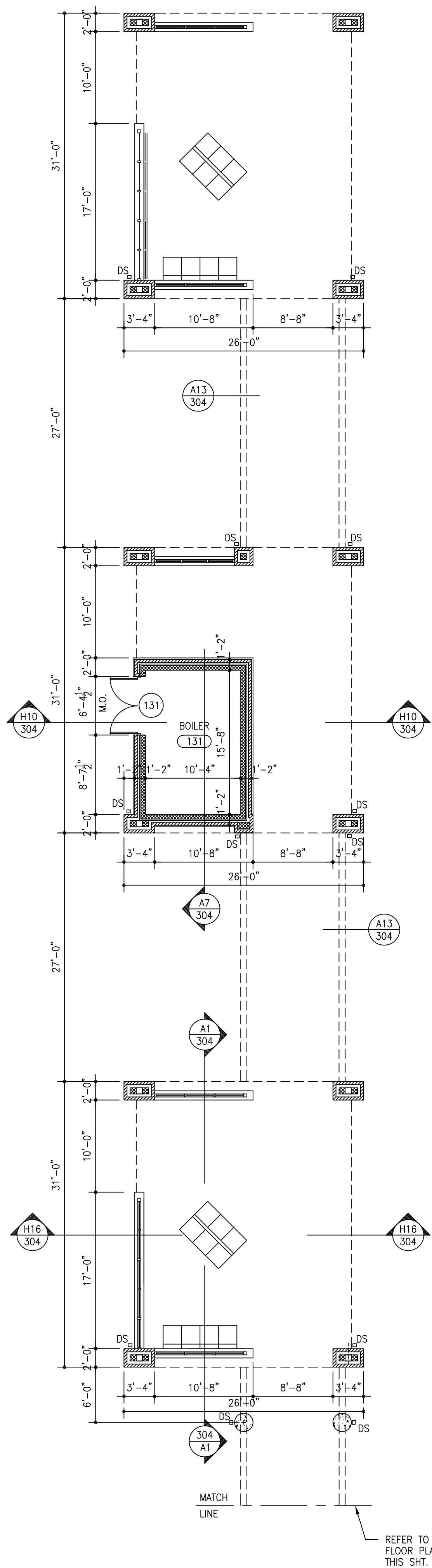
PLAN - TRASH ENCLOSURE
SCALE 1/8" = 1'-0"



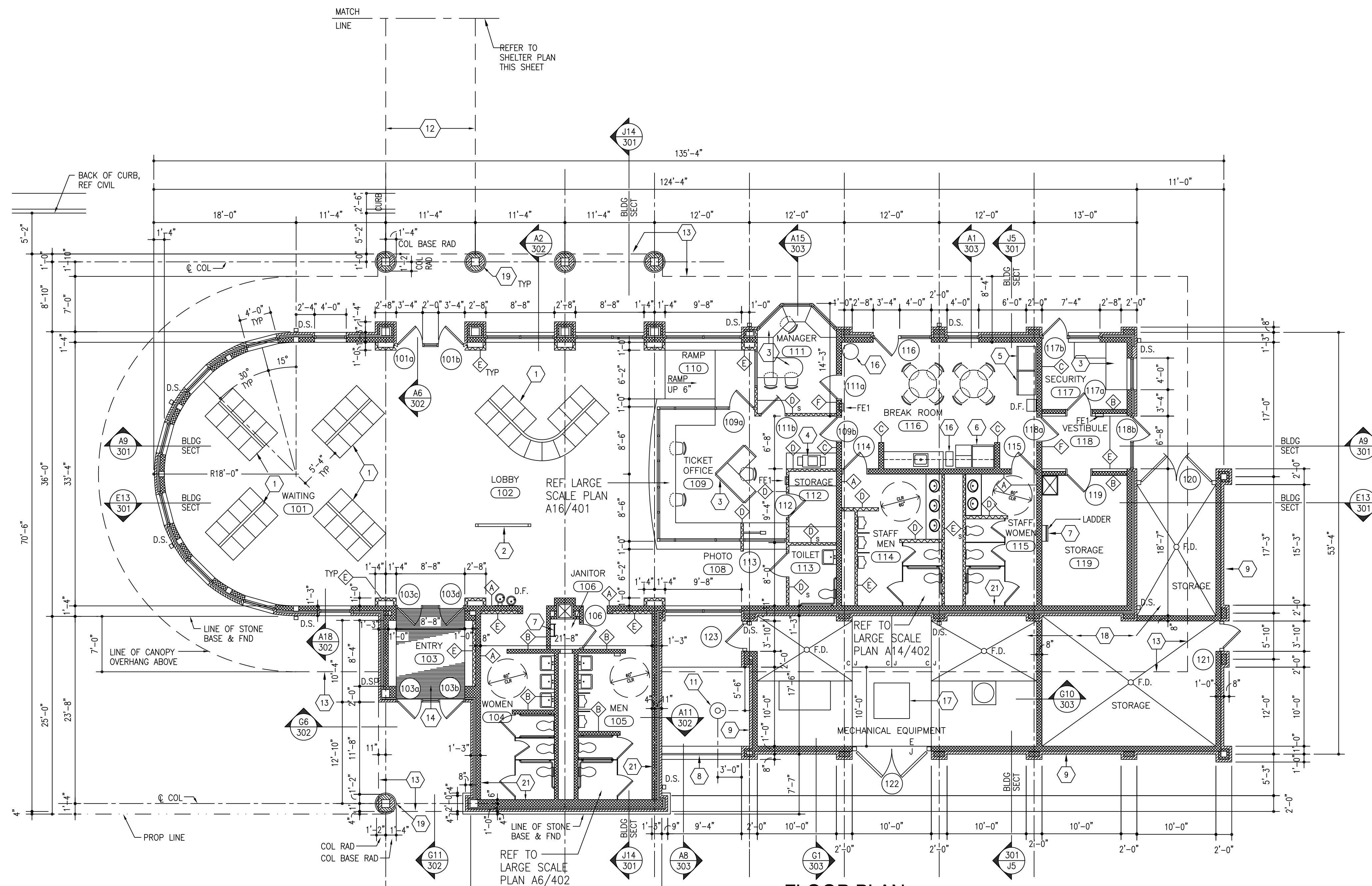
PLAN - NORTH MECH ATTIC
SCALE 1/8" = 1'-0"



PLAN - SOUTH MECH ATTIC
SCALE 1/8" = 1'-0"



PLAN - SHELTER
SCALE 1/8" = 1'-0"

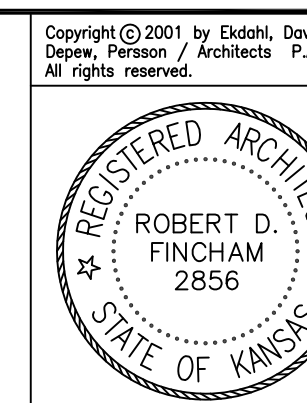


FLOOR PLAN
SCALE 1/8" = 1'-0"

NOTE: TYP WALL THICKNESS 1'-3" W/ 1" PROJECTION AT STONE BASE BELT COURSE, DIM AT BASE 1'-4"

FLOOR PLAN KEYNOTES

- 1 FIXED SEATING
- 2 INFO/MAP DISPLAY CASE, REF. DET. G1-403
- 3 SYSTEMS FURNITURE (NIC)
- 4 COPY MACHINE (NIC)
- 5 VENDING MACHINE (NIC)
- 6 REFRIGERATORS (NIC)
- 7 ACCESS LADDER TO ATTIC MECH RM ABOVE
- 8 ORNAMENTAL METAL FENCE
- 9 STONE VENEER SCREEN WALL
- 10 BREAK RESISTANT FIXED GLAZING IN GALVANIZED STEEL TUBE FRAME, - PAINT
- 11 FLAG POLE
- 12 ALUM FRAME & GLASS CANOPY
- 13 ROOF OVERHANG ABOVE
- 14 RECESSED STAINLESS STEEL FLOOR GRATE W/ DRAIN, 8'-8"X11'-0" REF. SPEC
- 15 42" HIGH STL. 1 1/2" PIPE GUARD RAIL W/ INTERMEDIATE RAIL, REF DET ...
- 16 TRASH RECEPTACLE - BY OWNER - NIC
- 17 ELEC TRANSFORMER
- 18 8" CONC SLAB, SLOPE TO DRAIN 1/4" PER FT
- 19 2'-4" DIA STONE VENEER COL W/ 2'-8" DIA STONE BASE
- 20 5/8" GYP BD DRAFT STOP EXTEND TO SOFFITS & GYP ROOF SHEAT'G
- 21 GROUT FULL AND REINF. ALL PERIMETER BLOCK WALLS AT TOILET ROOMS
- 22 EXTEND MECH. ROOM 202 W/ ALT. NO.1 - REF. MECH DWGS. - EXTEND FLOOR SLAB, WALLS & CEILING 12'-0" SOUTH, REF. STRUCT.



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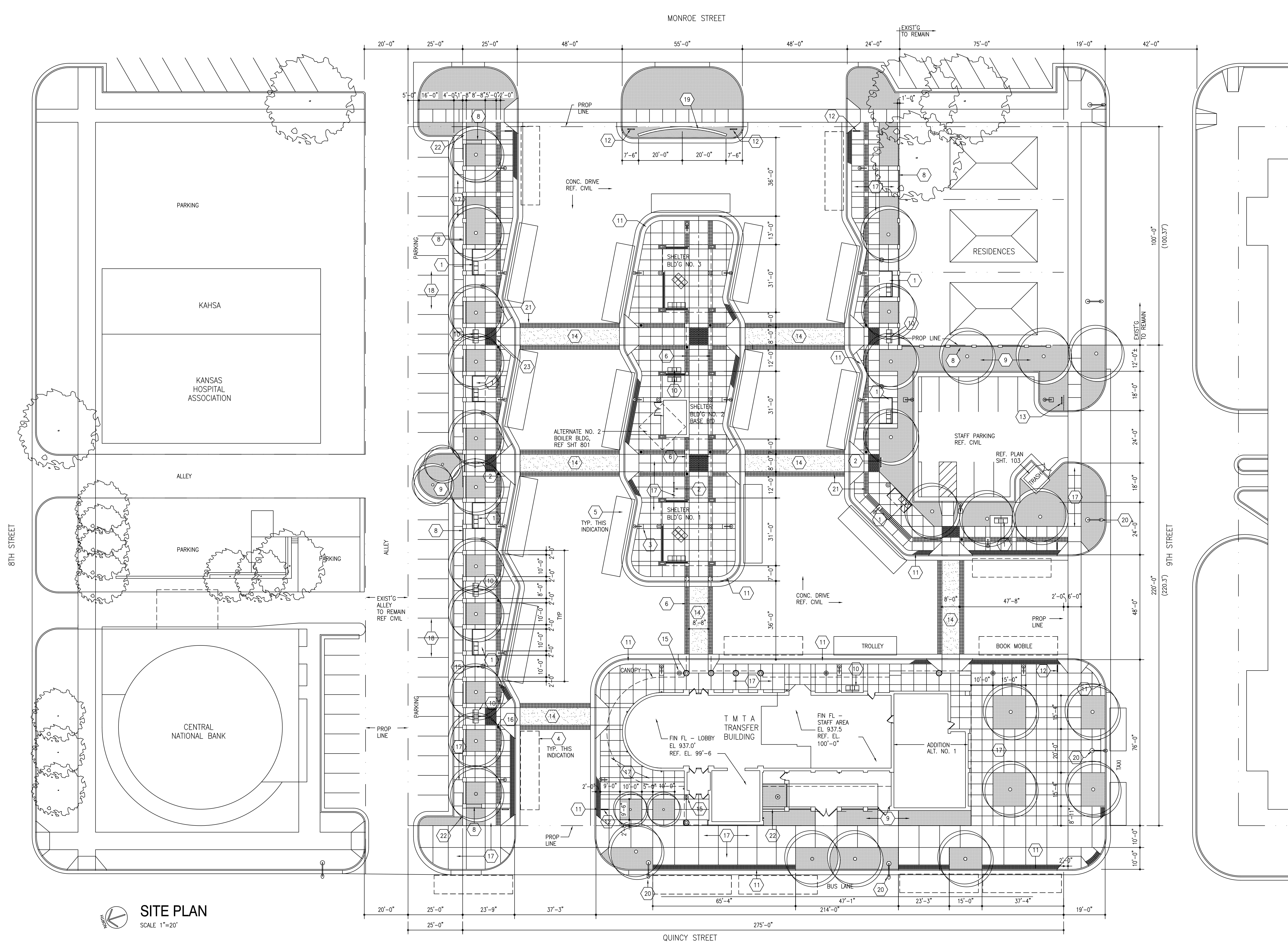
Topeka Metropolitan Transit Authority Bus Transfer Facility

Topeka, Kansas

FLOOR PLANS

DATE: 08-29-2001
ARCH. PROJ. NO: 99-32

A103



SITE KEYNOTES

- 1 PREFAB. BUS SHELTER, W/ FIXED MTL BENCH, 3 SEAT UNIT W, BACK
- 2 DIRECTORY SIGN, REF. SHT. A701
- 3 LIGHT POLE ON CONC. BASE, REF SHT A701
- 4 BUS - TEMPORARY LOCATION
- 5 BUS STOP, W/ BUS BY OWNER AS SHOWN
- 6 COVERED CONCOURSE, REF. SHT. A202
- 7 TREE PLANTER
- 8 BRICK FENCE, REF SHT A702
- 9 PLANTER, REF LANDSCAPE DWGS
- 10 FIXED MTL BENCH, 3 SEAT UNIT W/ BACK
- 11 4" x 8" PAVERS REF CIVIL DWGS 2'-0" WIDE CONT PAVER STRIP- TYP. @ INSIDE EDGE OF CURB
- 12 SIGN TYPE "C" - BOTH SIDES OF DRIVE, REF SHT A701
- 13 SIGN TYPE "D", REF SHT A701
- 14 COLORED CONC. CROSSWALK
- 15 TRASH RECEPTACLE
- 16 3'-0" BOLLARD, REF DTL C4-701
- 17 CONC WALK, REF CIVIL
- 18 ASPHALT PARKING (ALTERNATE NO. 3 CONC.), REF CIVIL
- 19 3' HIGH CMU SEGMENTAL RETAINING WALL, REF SPEC.-TO WALL EL 929'-0"
- 20 LIGHT POLE BY CITY
- 21 2'-0" WIDE PAVER STRIP, 8" X 8" UNIT REF. CIVIL - TYP. AS SHOWN
- 22 1'-8" X 12" CONC STRIP, W/ (2)#4 BARS
- 23 4 X 8 PAVR . BASKET WEAVE AT WALK INTERSECTIONS AS SHOWN

- SYMBOLS**
- ⊙ TRASH RECEPTACLE
 - ⊞ BOLLARD W/ SIGN
 - ⊕ LIGHT POLE
 - ▭ 3 SEAT MTL BENCH, REF SPEC
 - ▨ PLANTER
 - ▧ 4" X 8" PAVER, COLOR - NO.1
 - ▩ 8" X 8" PAVER
 - 4" X 8" PAVER, BASKET WEAVE PATTERN, COLOR - NO.2

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**Topeka Metropolitan
Transit Authority
Bus Transfer Facility**

Topeka, Kansas

**SITE PLAN
w/ SOUTH ADDITION**

DATE: 08-29-2001
ARCH. PROJ. NO: 99-32

A102R

SITE PLAN
SCALE 1"=20'