

# ACADEMY BANK LEE'S SUMMIT TENANT IMPROVEMENTS

2070 NW LOWENSTEIN DR  
SUITE A  
LEE'S SUMMIT, MO 64081

REV	DESCRIPTION	DATE	TENANT:	ARCHITECT:	CIVIL ENGINEER:	MEP ENGINEER	CONTRACTOR
			DICKINSON FINANCIAL CORPORATION	GENERATOR STUDIO	UHL ENGINEERING INC	ADVANCED CONSULTING ENGINEERS	SOUTHWIND GROUP
			1201 WALNUT STREET KANSAS CITY, MISSOURI 64108 816.472.5244	1615 BALTIMORE AVE KANSAS CITY, MO 64108 816.333.6527 GENERATORSTUDIO.COM	7211 W 98TH TERRACE SSTE 110 OVERLAND PARK, KS 66212 913.385.2670 UHLENGINEERS.COM	132 KELLEY DR ROGERS, AR 72756 479.631.1712 EXT 101 ADVENGINEERS.COM	1218 ENERGY DRIVE ABILENE, TX 79602 325.695.1111 SOUTHWINDGRP.COM

FOR CONSTRUCTION

07.03.2024



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1.	THE AMERICAN INSTITUTE OF ARCHITECTS STANDARD FORM (AIA DOCUMENT A201, 2007 EDITION): "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" IS HEREBY MADE A PART OF THESE CONTRACT DOCUMENTS, UNLESS NOTED OTHERWISE IN THE AGREEMENT BETWEEN OWNER AND CONTRACTOR.		15. DESIGN BUILD CONTRACTORS SHALL COORDINATE SYSTEMS LAYOUT WITH ARCHITECT AND OTHER DESIGN-BUILD CONTRACTORS. FINAL APPROVAL FOR AESTHETIC EFFECT SHALL BE BY THE ARCHITECT.
2.	ALL WORK SHALL CONFORM WITH THE APPLICABLE BUILDING CODES, REGULATIONS, OCCUPANCY PERMITS AND ORDINANCES. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL APPLY FOR, OBTAIN AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND APPROVALS BY LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. IN THE EVENT OF A CONFLICT BETWEEN THE CONSTRUCTION DOCUMENTS AND AN APPLICABLE CODE, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE ARCHITECT FOR DIRECTION AND RESOLUTION. FAILURE TO NOTIFY EITHER OF THESE PARTIES PRIOR TO COMMENCEMENT OF THE WORK, SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR ANY CORRECTIVE MEASURES NEEDED TO BRING THE PROBLEM INTO PROPER CONFORMANCE, WITHOUT ADDITIONAL COSTS OR CHARGES TO THE OWNER. PROVIDE COPIES OF ALL TRANSACTIONS TO OWNER.		16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
3.	THE GENERAL CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH ALL PERTINENT OPERATING, MAINTENANCE, AND WARRANTY INFORMATION AT THE COMPLETION OF THE PROJECT, BOUND INTO 8-1/2" X 11" THREE-RING NOTEBOOKS, AND PROPERLY IDENTIFIED (4 COPIES REQUIRED).		17. CONTRACTOR SHALL NOT MAKE, CAUSED TO BE MADE, OR PERMIT A SUBCONTRACTOR TO MAKE ANY CHANGE TO WHAT IS SPECIFIED ON THE PLAN WITHOUT SPECIFIC AUTHORIZATION OF THE ARCHITECT.
4.	THE GENERAL CONTRACTOR SHALL SUBMIT ALL APPLICATIONS FOR PAYMENT TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE FORM OF THE APPLICATION FOR PAYMENT SHALL BE AIA DOCUMENT G702, SUPPORTED BY AIA DOCUMENT G704, CONTINUATION SHEET. A 10% RETAINAGE OF EACH APPLICATION FOR PAYMENT SHALL BE WITHHELD BY THE OWNER UNTIL RELEASE OF FINAL PAYMENT, UNLESS NOTED OTHERWISE IN THE AGREEMENT BETWEEN THE OWNER AND CONTRACTOR.		18. THE ARCHITECT IS NOT RESPONSIBLE FOR ERRORS, OMISSIONS OR DELAYS BY THE CONTRACTOR.
			19. CONTRACTOR SHALL COORDINATE SCHEDULING, PROVISIONS FOR INSTALLATION, LOCATIONS AND THE ACTUAL INSTALLATION OF ITEMS FURNISHED BY TENANT/OWNER OR BY OTHERS.
			20. OTHER CONTRACTORS AND THEIR SUBCONTRACTORS MAY BE WORKING ON THE PREMISES SIMULTANEOUS WITH THE DURATION OF THE CONTRACT. NO ACTION SHALL BE TAKEN ON THE PART OF THIS CONTRACTOR OR SUBCONTRACTOR TO IMPERE THE ACCESS OR OPERATION OF ANY OTHER CONTRACTOR ON THE PREMISES, UNION, OR NON-UNION.
			21. COOPERATE WITH ALL TRADES ON THE PROJECT NOT CONTRACTED TO THE GENERAL CONTRACTOR (I.E. TELEPHONE, COMPUTER INSTALLERS, ETC.) ANY CHANGES OR DELAYS ARISING FROM CONFLICTS BETWEEN SUCH TRADES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
			22. DO NOT SCALE DRAWINGS. FOLLOW WRITTEN DIMENSIONS OR KEYED NOTES ONLY. CONTACT ARCHITECT IMMEDIATELY FOR CLARIFICATION IF REQUIRED. VERIFY DIMENSIONS IN THE FIELD. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE DETAILS.
			23. ALL WALL DIMENSIONS ARE AS FOLLOWS UNLESS NOTED OTHERWISE: a. FINISHED FACE OF PARTITION / WALL. b. CENTER LINE OF WALL EQUALS CENTER LINE OF MULLION. c. TO TOP OF FINISH SLAB AT FLOORS. d. TO BOTTOM OF FINISH AT CEILINGS.
			24. "MINIMUM" OR "MIN." AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS SLIGHTLY ADJUSTABLE BUT MAY NOT VARY TO A DIMENSION OR QUANTITY LESS THAN THAT SHOWN WITHOUT THE APPROVAL OF ARCHITECT.
			25. "x" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE DIMENSION OR QUANTITY IS SLIGHTLY ADJUSTABLE TO ACCOMMODATE ACTUAL CONDITIONS. VERIFY THE EXACT DIMENSION IN THE FIELD PRIOR TO FABRICATION.
7.	PROVIDE THE ARCHITECT WITH A COMPLETE COPY OF AS BUILT DRAWINGS AT THE COMPLETION OF THE PROJECT.		26. "TYPICAL" OR "TYP." AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION OR DIMENSION IS THE SAME OR REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT.
			27. THE ARCHITECT SHALL HAVE THE RIGHT TO MAKE FIELD ADJUSTMENTS IN ORDER TO MAINTAIN DESIGN INTENT.
			28. "CLEAR" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE DIMENSION IS NOT ADJUSTABLE WITHOUT THE APPROVAL OF THE ARCHITECT. CLEAR DIMENSIONS SHALL BE ACCURATE TO FINISH WALL MATERIAL. CONTACT ARCHITECT PRIOR TO CONSTRUCTION IF FIELD CONDITIONS DO NOT ACCOMMODATE SAID DIMENSION.
			29. "ALIGN" AS USED IN THESE DOCUMENTS SHALL MEAN TO ACCURATELY LOCATE AND FINISH FACES IN THE SAME PLANE, AND/OR TO INSTALL NEW CONSTRUCTION ADJACENT TO EXISTING CONSTRUCTION WITHOUT ANY VISIBLE JOINTS OR SURFACE IRREGULARITIES.
			30. ANY DISCREPANCIES AS TO LOCATION BETWEEN THE ARCHITECTURAL AND ENGINEERING DRAWINGS OR BETWEEN THE DRAWINGS AND EXISTING FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING FOR CLARIFICATIONS. WORK INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE AND SHALL NOT IMPACT THE SCHEDULE.
			31. THE GENERAL CONTRACTOR SHALL VERIFY SIZE, LOCATION AND CHARACTERISTICS OF ALL WORK AND EQUIPMENT SUPPLIED BY THE OWNER OR OTHERS, WITH THE MANUFACTURER OR SUPPLIER PRIOR TO THE START OF RELATED WORK.
			32. INSTALL AND MAINTAIN ALL NECESSARY COVERINGS, PROTECTIVE ENCLOSURES, TEMPORARY DOORS AND PARTITIONS AND DUST BARRIERS TO PROTECT ALL OCCUPANTS AND REPLACE ANY DAMAGES CAUSED BY IMPROPER PROTECTION AT NO ADDITIONAL CHARGE TO OWNER.
14.	DRAWINGS CONTAINED IN THIS SET SHALL NOT BE REPRODUCED FOR SHOP DRAWINGS. COPIES OF THESE DRAWINGS SUBMITTED AS SHOP DRAWINGS WILL BE REJECTED AND RETURNED TO THE CONTRACTOR.		

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33. WARRANT TO THE OWNER THAT ALL MATERIALS AND EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW, UNLESS OTHERWISE FREE FROM FAULTS AND DEFECTS AND CONFORMS WITH THE CONTRACT DOCUMENTS.

34. CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH THE CONDITIONS OF THE CONTRACT. LOCAL CONDITIONS RELATING TO LOCATION, ACCESSIBILITY AND GENERAL CHARACTER OF THE CONSTRUCTION SITE AND LOCAL LABOR CONDITIONS SO THAT HE UNDERSTANDS THE NATURE, EXTENT, DIFFICULTIES AND RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK.

35. INVESTIGATE JOB SITE TO COMPARE CONTRACT DOCUMENTS AND EXISTING CONDITIONS. INCLUDE COST FOR ALL WORK DESCRIBED IN CONTRACT DOCUMENTS AND REQUIRED OR IMPLIED BY EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND NEW WORK, OMISSIONS OR CONFLICTS IN THE DRAWINGS AND ANY RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK.

36. PROCURE MATERIALS SO AS NOT TO DELAY SUBSTANTIAL COMPLETION. NOTIFY ARCHITECT WITHIN 5 DAYS OF EXECUTION OF CONTRACT OF ANY MATERIAL DELIVERY WHICH WOULD DELAY COMPLETION OF CONTRACT.

37. EXAMINE ALL SURFACES TO DETERMINE THAT THEY ARE SOUND, DRY, CLEAN AND READY TO RECEIVE FINISHES OR MILLWORK PRIOR TO INSTALLATIONS. START OF INSTALLATION SHALL IMPLY ACCEPTANCE OF SUBSTRATE AND SHALL NOT BE GROUNDS FOR CLAIMS IMPROPER PERFORMANCE OF INSTALLED MATERIALS. ADVISE ARCHITECT OF ANY EXISTING CONSTRUCTION NOT LEVEL, SMOOTH AND PLUMB WITHIN INDUSTRY STANDARDS PRIOR TO START OF CONSTRUCTION WHICH WILL BE DETRIMENTAL TO THE PROPER AND TIMELY EXECUTION OF THAT INSTALLERS WORK.

38. UNFINISHED GYPSUM BOARD WORK AND WOOD WORK ALLOWED, INCLUDING BEHIND FURNITURE & ANY EQUIPMENT ITEMS. ALL GYPSUM BOARD PARTITIONS SHALL BE TAPED, SPACKLED, AND SANDED SMOOTH WITH NO VISIBLE JOINTS, PAINT AS SPECIFIED. PROVIDE GALVANIZED METAL CORNER BEADS AND SIMILAR CONCEALED TRIM AT ALL EXPOSED EDGES; USE EXPOSED TRIM ONLY AS APPROVED BY ARCHITECT.

39. OBTAIN THE OWNER'S WRITTEN AUTHORIZATION BEFORE ANY WORK IS PERFORMED OR MATERIAL ORDERED WHICH INVOLVES EXTRA COST OVER AND ABOVE CONTRACT PRICE.

40. "THROUGH-PENETRATION FIRESTOP SYSTEMS" TO BE PROVIDED AT PENETRATIONS THROUGH RATED PARTITIONS AND FLOOR.

41. MANUFACTURERS NAME, TRADEMARK, LOGOS, ETC. SHALL NOT BE VISIBLE TO THE PUBLIC.

42. ALL SECURITY, AUDIO VISUAL, TELEPHONE, AND DATA CABLING SHALL BE PLENUM RATED.

43. FLASH PATCH CONCRETE TO A SMOOTH MONOLITHIC SURFACE. REMOVE ROUGH SPOTS AND PROTRUSIONS.

44. ALL CLOSETS AND ALCOVES WITHOUT A SPACE IDENTIFICATION NUMBER SHALL HAVE THE SAME FINISHES AS ADJOINING SPACES.

45. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER, ALL CONSTRUCTION MEANS, TECHNIQUES, SEQUENCES OF CONSTRUCTION, PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK REQUIRED BY THE CONTRACT DOCUMENTS.

46. 24 HR. PRIOR TO OCCUPANCY THOROUGHLY CLEAN ALL SURFACES OF DUST, DEBRIS, LOOSE CONSTRUCTION MATERIAL AND EQUIPMENT. VACUUM OR MOP ALL FLOORS AND CLEAN WINDOWS.

47. REVIEW PLANS AND PROVIDE BRACING/BLOCKING IN GYPSUM BOARD PARTITIONS AS REQUIRED FOR ANY WALL-MOUNTED ARCHITECTURAL, WOODWORK, CASEWORK, FINISH CARPENTRY, FURNITURE, EQUIPMENT, ETC. FOR WOOD BLOCKING PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING UNLESS NOTED OTHERWISE.

48. RECESSED ITEMS SHALL BE INSTALLED FLUSH WITH THE PARTITION UNLESS NOTED OTHERWISE. PARTITION DEPTH SHALL BE ADJUSTED TO ACCOMMODATE DEPTH OF THE RECESSED ITEM AS DIRECTED BY THE ARCHITECT.

49. WORK DAMAGED DURING CONSTRUCTION OR NOT CONFORMING TO SPECIFIED STANDARDS, TO EXPOSED OR MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

50. ALL DISSIMILAR METAL MATERIALS SHALL BE ISOLATED WITH NONMETAL SEPARATOR.

51. OPEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITIES THROUGH THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, FLASHED OR WEATHER STRIPPED AS REQUIRED FOR COMPATIBILITY WITH ADJACENT MATERIALS AND TO ELIMINATE AIR LEAKAGE AND WATER ENTRY. REFERENCE SPECIFICATIONS FOR SEALANT REQ'S.

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Thermal Values	R - Values
WALLS	R - 20
ROOF / CEILING ASSEMBLY	R - 38
SLAB ON GRADE (MASS) FLOOR	R - 10 CONTINUOUS INSULATION
JOIST FRAMED FLOORS OVER UNCONDITIONED SPACES	R - 30
CRAWL SPACE / BASEMENT WALL	R - 10/13
SLAB, 2FT DEPTH	R - 10
DUCT WORK	R - 8

\* CEILINGS WITH ATTIC SPACE

\*\*CEILINGS WITHOUT ATTIC SPACE & AREA LESS THAN 500 SQUARE FEET

#### NOTES:

ALL WINDOW SYSTEMS TO HAVE Lo-E COATING. U-VALUE TO BE 0.38 OR BETTER. SOLAR HEAT GAIN TO BE 0.40 OR BETTER.

ALL EXTERIOR DOORS TO HAVE Lo-e COATING. U-VALUE TO BE 0.77 OR BETTER. SOLAR HEAT GAIN TO BE 0.40 OR BETTER.

ALL THERMAL VALUES (INCLUDE THOSE NOT LISTED) TO COMPLY WITH IECC.

## THERMAL REQUIREMENTS

# B1

EARTH

RIGID INSULATION

AGGREGATE FILL

BLANKET INSULATION

CONCRETE

GROUT

CONCRETE  
MASONRY UNITS

STEEL

DISCONTINUOUS  
ROUGH LUMBER

GYPSUM BOARD  
MORTAR JOINTS

CONTINUOUS LUMBER

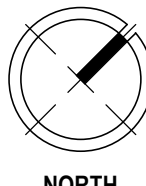
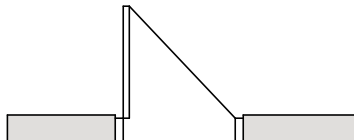
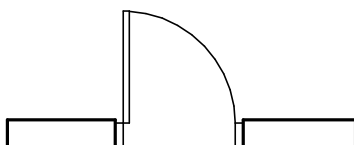
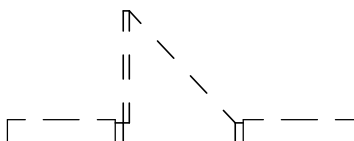
FINISH LUMBER

PLYWOOD

SHEET LIST	
GENERAL	
G000	PROJECT COVER
G001	PROJECT INFORMATION
G002	GENERAL ACCESSIBILITY
G003	INTERIOR ACCESSIBILITY
LIFE SAFETY	
LS101	LEVEL 1 - FLOOR PLAN
ARCHITECTURE	
A101	FLOOR PLAN
A102	REFLECTED CEILING PLAN
A103	FINISH PLAN
A401	INTERIOR ELEVATIONS
A402	MILLWORK DETAILS
A601	SCHEDULES AND DETAILS

ACCT	ACOUSTICAL	EQUIP	EQUIPMENT	MECH	MECHANICAL	SCHED	SCHEDULE
ACCT	ACOUSTICAL CEILING TILE	EW	EACH WAY	MEP	MECHANICAL, ELECTRICAL & PLUMBING	SECTION	SECTION
AD	AREA DRAIN	EWIC	ELECTRIC WATER COOLER	MFG	MANUFACTURING	SF (SQ FT)	SQUARE FOOT (FEET)
ADJ	ADJUSTABLE	EWIST	EXISTING	MFR	MANUFACTURER	SH	SHOWER
ADF	ABOVE FINISHED FLOOR	EXP	EXPANSION	MH	MANHOLE	SHT	SHEET
AHU	AIR HANDLING UNIT (RE: MECH)	EXT	EXTERIOR	MILL	MILLWORK	SHTH	SHEATHING
ALUM	ALUMINUM	FBD	FIBER BOARD	MM	MIMUM	SIM	SIMILAR
AMB	AIR-MOISTURE BARRIER	FBO	FURNISHED BY OTHERS	MIR	MIRROR	SP	SPACING
ANC	ANCHOR	FD	FLOOR DRAIN	MISC	MISCELLANEOUS	SPEC	SPECIFICATION
AND	ANDZODD	FDN	FOUNDATION	MOLD	MOLDING	SP HD	SPRINKLER HEAD
AP	ACCESS PANEL	FE	FIRE EXTINGUISHER	MO	MASONRY OPENING	SPKR	SPEAKER
APPROX	APPROXIMATE	FEC	FIRE EXTINGUISHER & CABINET	MTD	MOUNTED	SQ	SQUARE
ARCH	ARCHITECT(URAL)	FEE	FURNITURE, FIXTURES & EQUIPMENT	MTL	METAL	SS	STAINLESS STEEL
ASPH	ASPHALT	FEL	FIRE HOSE CABINET	MUL	MULLION	STD	STANDARD
ASSY	ASSEMBLY	FHC	FINISH	N/A	NOT APPLICABLE	STL	STEEL
AV	AUDIO/VISUAL	FIN	FIRE VALVE CABINET	NIC	NOT IN CONTRACT	STO	STORAGE
BB	BOARD	FVC	FLOOR FINISH	NO	NUMBER	STR	STRUCTURE/STRUCTURAL
BFG	BELOW FINISHED GRADE	FLUOR	FLUORESCENT	NOM	NOMINAL	SUSP	SUSPENSION
BFD	BELOW FINISHED FLOOR	FLR	FLOOR	NPS	NATIONAL PIPE STANDARD	SY (SQ YD)	SQUARE YARD(S)
BLDG	BUILDING	FOC	FACE OF CONCRETE	NTS	NOT TO SCALE	SYS	SYSTEM
BLCKNG	BLACKING	FOF	FACE OF FINISH	OC	ON CENTER	T	TREAD
BM	BEAM	FOS	FACE OF STUD	OD	OUTSIDE DIAMETER	T&B	TOP & BOTTOM
BOT	BOTTOM	FS	FLOOR SINK	OFFC	OWNER FURNISHED, CONTRACTOR	T&G	TONGUE AND GROOVE
BGR	BEARING	FR(FRM)	FRAME	INSTALLED	INSTALLED	TBD	TO BE DETERMINED
BRK	BREAK	FRP	FIBERGLASS REINFORCED PLASTIC	OFCK	OFF CENTER	TEL	TELEPHONE
BRKT	BRACKET	FRT	FIRE RETARDANT TREATED	OH	OVERHEAD / OPPOSITE HAND	TEMP	TEMPERED
BS	BOTH SIDES	FS	FLOOR SINK	OPNG	OPENING	TOC	TOP OF CONCRETE
BT	BETWEEN	FSE	FACE SERVICE EQUIPMENT	OPP	OPPOSITE	TOCK	TOP OF CURB
CAB	CABINET	FT	FOOT OR FEET	OPT	OPTIONAL	TOP	TOP OF PARAPET
CB	CHALK BOARD	FTG	FOOTING	ORD	OVERFLOW ROOF DRAIN	TOS	TOP OF SLAB / TOP OF STEEL
CG	CORNER GUARD	FURR	FURRING	OTS	OPEN TO STRUCTURE	TOF	TOP OF WALL
CI	CAST IRON	FV	FIELD VERIFY	OZ	OUNCE	TV	TELEVISION
CIP	CAST-IN-PLACE	GA	GAUGE	PA	PUBLIC ADDRESS	TYP	TYPICAL
CL	CONTROL JOINT	GALV	GALVANIZED	PBD	PARTICLE BOARD	UNO	UNLESS NOTED OTHERWISE
CLER LINE	CEILING LINE	GC	GENERAL CONTRACTOR	PL	PRECAST CONCRETE	VP (VTR BR)	VERTICAL BARBER
CLG	CLOSET	GL	GLASS	PL	PLATE	VCP	VINYL COMPOSITION TILE
CLO	CONCRETE MASONRY UNIT	GWB	GYPSUM WALL BOARD	PLAM	PLASTIC LAMINATE	VERT	VERTICAL
CO	CO UN	HB	HOSE BIBB	PLAS	PLASTER	VEST	VESTIBULE
CONC	CONCRETE	HQ	HOLLOW CORE	PLBG	PLUMBING	W	WOOD
CONN	CONNECTION	HCP	HANDICAPPED	PLYWD	PLYWOOD	WO	WITHOUT
CONSTR	CONSTRUCTION	HD	HEAD	PANEL	PANEL	WC	WATER CLOSET
CONT	CONTINUOUS	HDW	HARDWARE	POL	POLISHED	WD	WOOD
CONTR	CONTRACTOR	HDWD	HARDWOOD	PAR	PAIR	WDW	WINDOW
CORR	CORRIDOR	HR	HOLLOW METAL	PREFIN	PREFINISHED	WH	WATER HEATER
CTR	CENTER	HORIZ	HORIZONTAL	PREP	PREPARE / PREPARATION	WP	WATERPROOFING / WATERPROOF
CDBL	DOUBLE	HR	HOUR	PS	PHOTOSTROBE SYNC PLATE	WT	WEIGHT
DEM	DEMOLITION	HT	HEIGHT	PT	POINT	WWF	WELDED WIRE FABRIC
DEPT	DEPARTMENT	HVAC	HEATING, VENTILATION & AIR	PTD	PAINTED		
DF	DRINKING FOUNTAIN	COND	CONDITIONING	QTY	QUANTITY		
DI	DIAMETER	INSUL	INSIDE DIAMETER / DIMENSION	QTY	QUANTITY		
DIA	DIMENSION	IN	INCH	R	RISER OR RADIUS		
DN	DOWN	INT	INSULATION / INSULATE	RTN	RETURN AIR		
DR	DOOR	JAN	JANITOR	REF	REFLECTED CEILING PLAN		
DS	DOWNSPOUT	JST	JOIST	RE	REFERENCE		
DTL	DETAIL	JNT	JOINT	RECPT	RECEPTACLE		
DWG(S)	DRAWING(S)	KIT	KITCHEN	REFL	REFLECTED / REFLECTING		
EA	EXHAUST FAN	KO	KNOCKOUT	REIN	REINFORCED / REINFORCING		
EF	EXPANSION JOINT	L	LONG / LENGTH	RELOC	RELOCATE		
EJ	ELEVATION	LAM	LAMINATED	REQD	REQUIRED		
EL	ELECTRICAL	LAV	LAVATORY	REV	REVISION / REVERSED		
ELEC	ELEVATOR	LLH	LONG LEG HORIZONTAL	RM	ROOM		
ENG	ELECTRONIC NEWS GATHERING	LLV	LONG LEG VERTICAL	ROU	ROUGH OPENING		
EOS	EDGE OF SLAB	LT(LTG)	LIGHT(LIGHTING)	RTU	ROOF TOP UNIT		
EQ	EQUAL	M	METER	SAN	SANITARY		
		MAS	MASONRY	SC	SOLID CORE		
		MAY	MAY IN				

		ROOM NUMBER
	BREAK LINE	
	BUILDING SECTION	101  GWB 8'-0"
	WALL SECTION	
	DETAIL	
	DETAIL NUMBER SHEET NUMBER	
	DETAIL REFERENCE	
	ELEVATION NUMBER / SHEET NUMBER	
	LEVEL ELEVATION	
	COLUMN GRID DESIGNATION	
	MATCHLINE ADJACENT REFERENCE	
	1 - HR RATED	
	2 - HR RATED	
	3 - HR RATED	

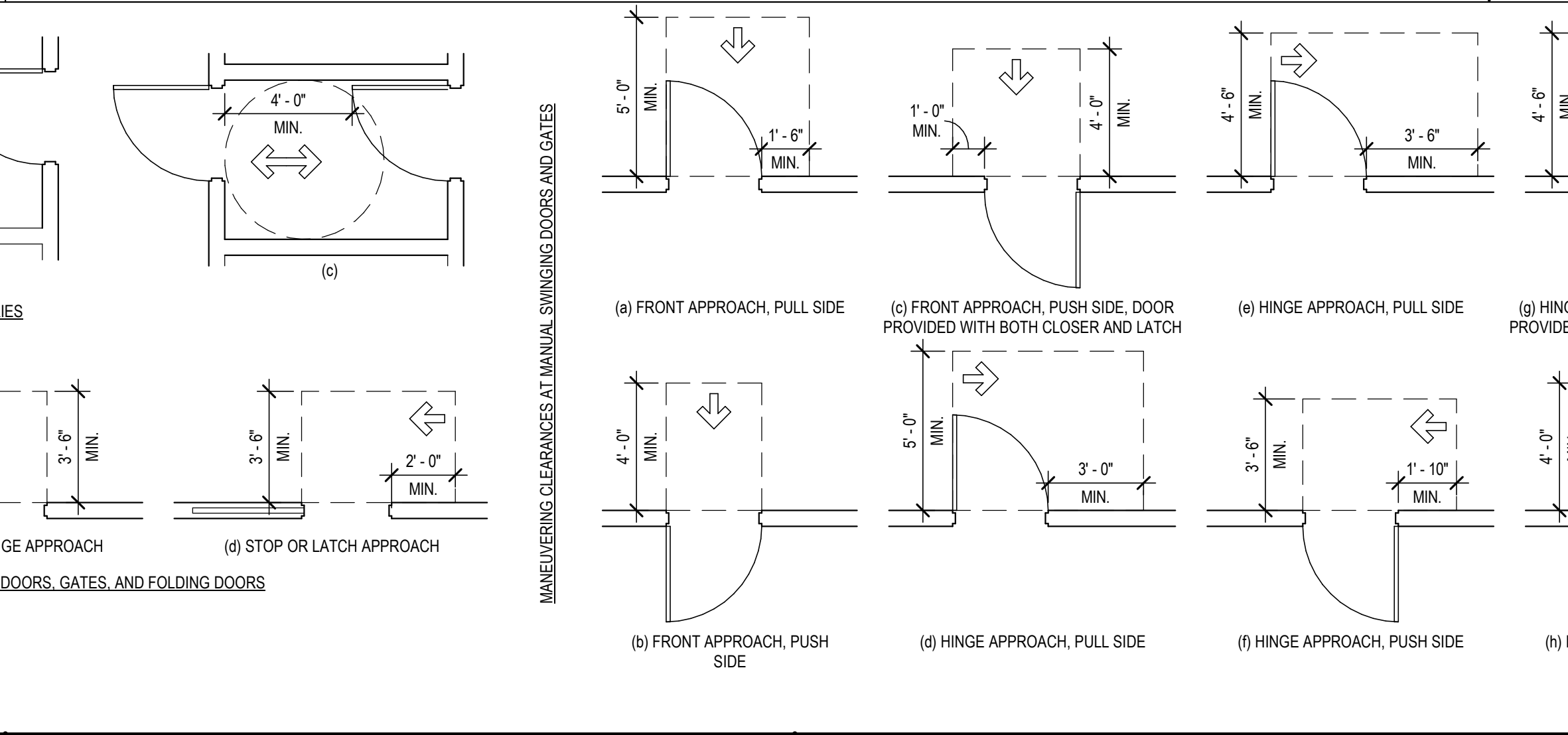
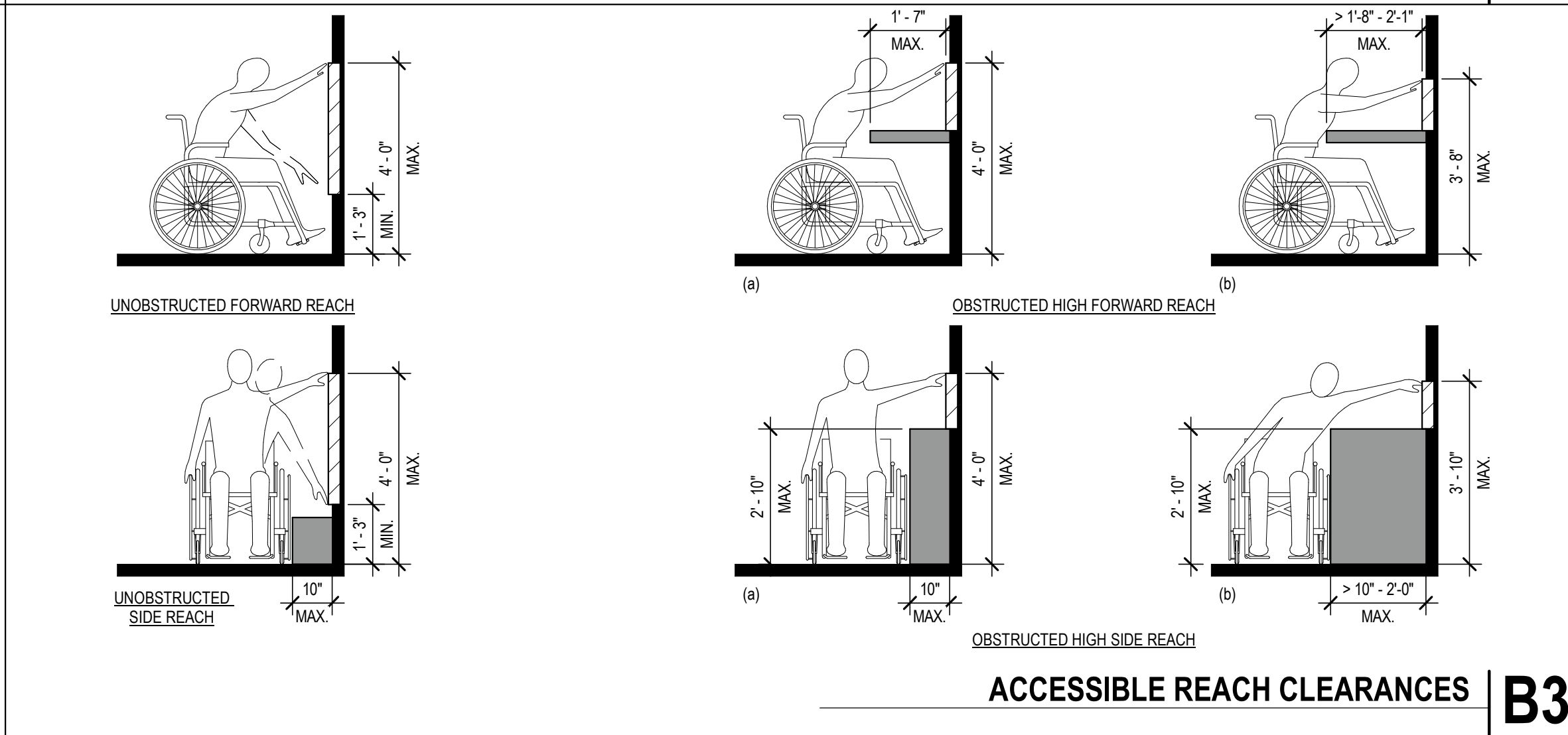
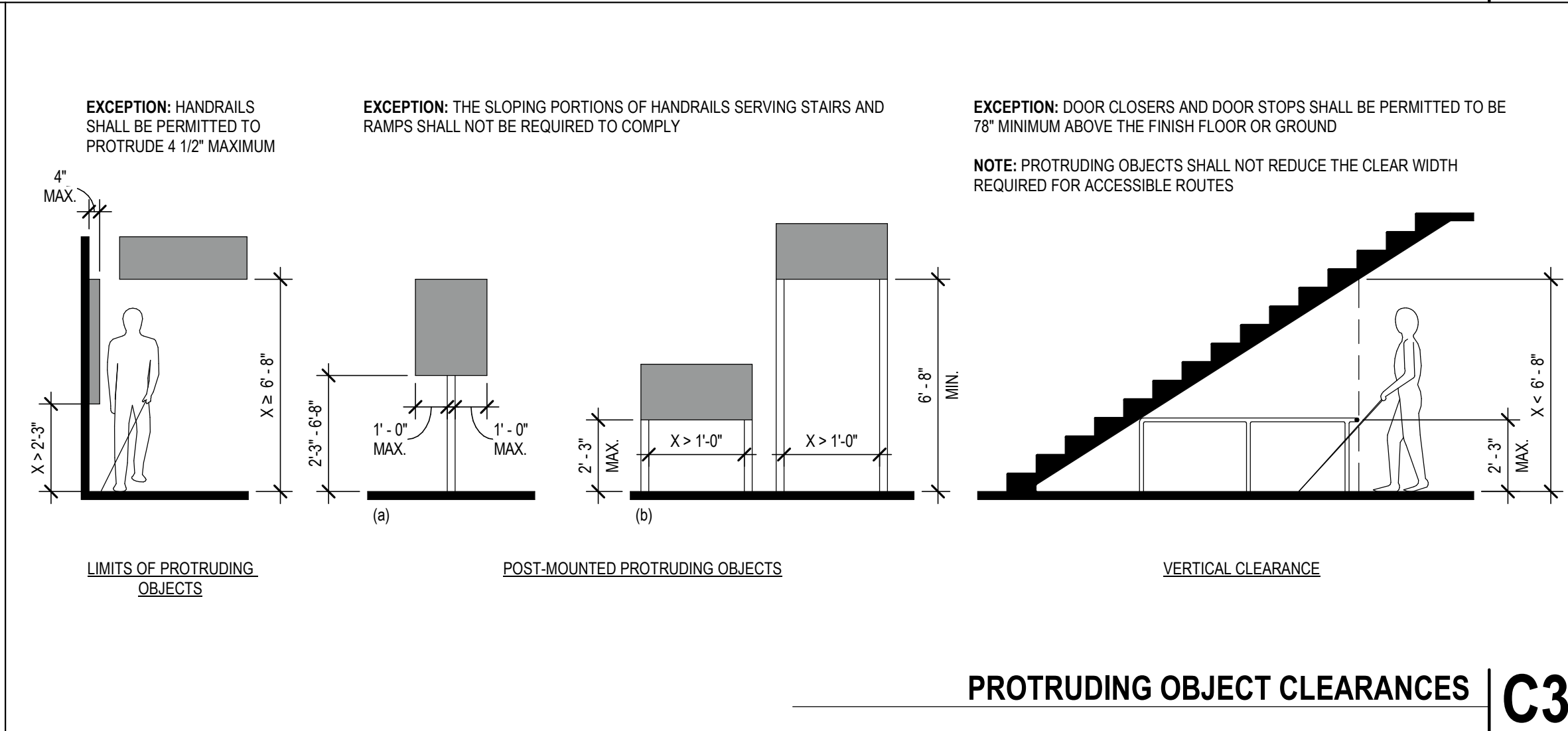
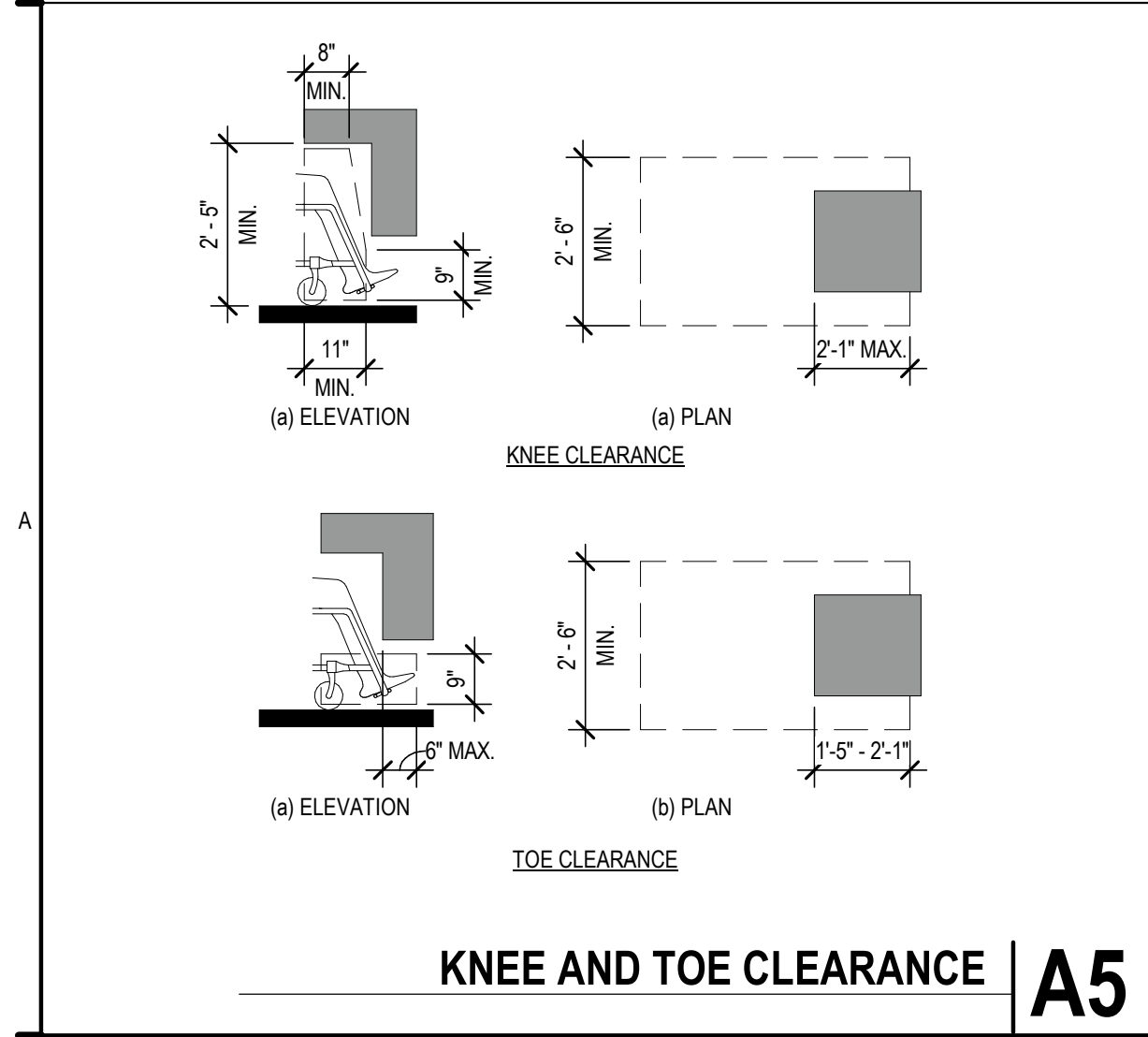
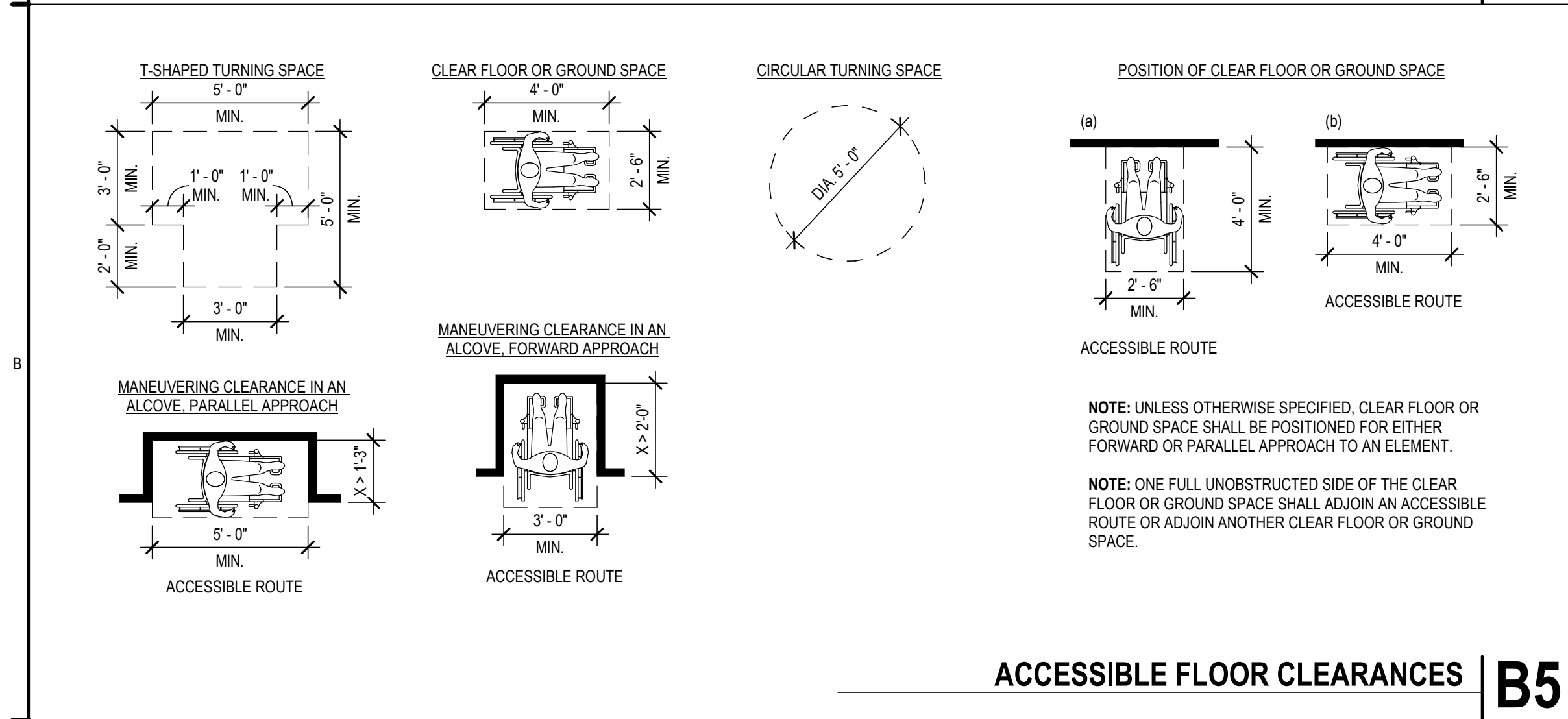
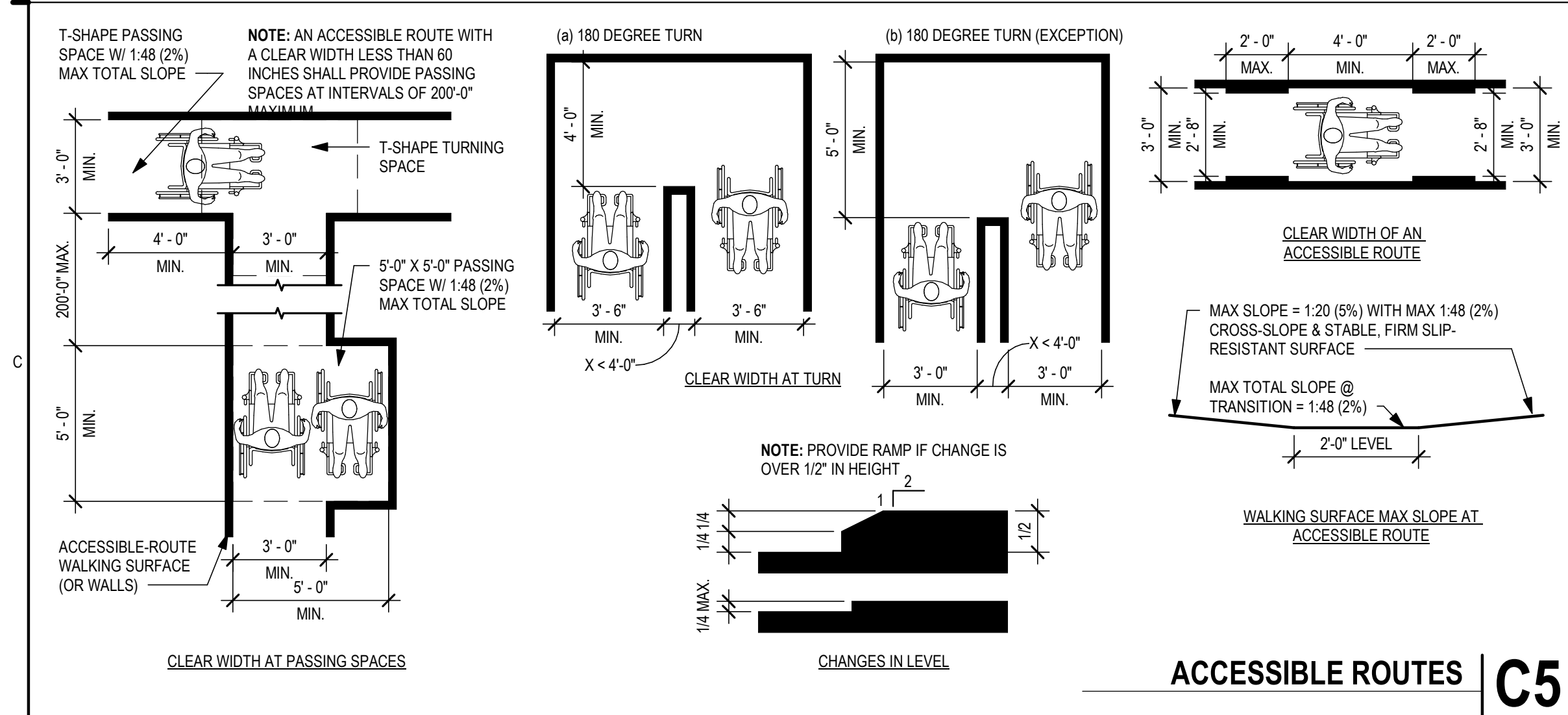
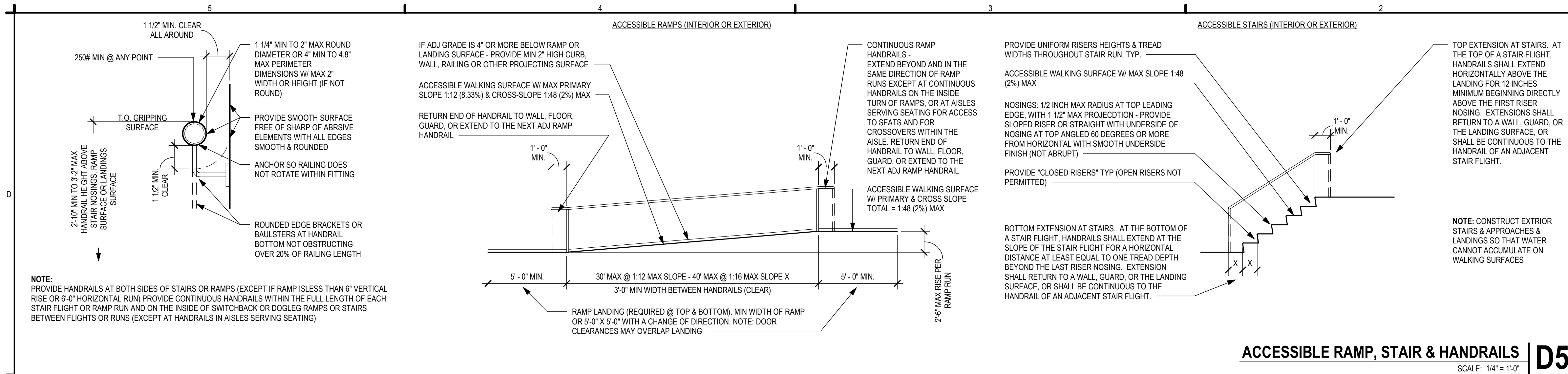
ROOM NAME		
ROOM NUMBER		
DOOR NUMBER		
CEILING TYPE		
CEILING HEIGHT		
		NORTH ARROW
INTERIOR PARTITION TYPE		
GLAZING TYPE		
DETAIL KEYNOTE		
CONSTRUCTION NOTE		
REVISION NUMBER		
		EXISTING DOOR
		NEW DOOR
		DEMOLISHED DOOR
SURFACE MOUNTED FIRE EXTINGUISHER CABINET		
SEMI RECESSED FIRE EXTINGUISHER CABINET		
FULLY RECESSED FIRE EXTINGUISHER CABINET		
EXISTING CONSTRUCTION		
NEW CONSTRUCTION		
DEMOLISHED CONSTRUCTION		

<p><b>PROJECT INFORMATION</b></p> <p><u>SITE:</u></p> <p>LEGAL DESCRIPTION LOT 5-A, A REPLAT OF LOTS 4 &amp; 5, STREETS OF WEST PRYOR, LOTS 1 THRU 14, TRACTS "A", "B", "C", &amp; "D"</p> <p>ADDRESS 2070 NW LOWENSTEIN DRIVE, SUITE A, LEE'S SUMMIT, MO 64081</p> <p>ZONING PMIX PLANNED MIXED USE</p> <p>LOT AREA 0.6 ACRES</p>	

<div><div>G E N  E R  T  O R</div><div>STUDIO</div></div>	
OWNER	
DICKINSON FINANCIAL CORPORATION 1111 MAIN STREET #1600 KANSAS CITY, MISSOURI 64105 816.472.5244	
ARCHITECT	
GENERATOR STUDIO LLC 1615 BALTIMORE AVE KANSAS CITY, MO 64108 816.333.6527 GENERATORSTUDIO.COM	
CIVIL ENGINEER	
UHL ENGINEERING INC 7211 W 98TH TERRACE STE 110 OVERLAND PARK, KS 66212 913.365.2670 UHLENGINEERING.COM	
MEP ENGINEER	
ADVANCED CONSULTING ENGINEERS 132 KELLEY DRIVE ROGERS, AR 72756 479.831.1712 EXT. 101 ADVENGINERS.COM	
CONTRACTOR	
SOUTHWIND GROUP 1218 ENERGY DRIVE ABILENE, TX 79602 325.695.1111 SOUTHWINDGRP.COM	
ARCHITECT:	THOMAS JASON PROEBSTLE
LICENSE NO.	A-2002017812

[illegible]





COMPLY WITH REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) EVEN IF NOT REQUIRED BY BLDG CODES, REGULATIONS OR ORDINANCES (ADA IS A FEDERAL LAW), AND AS INDICATED ON THESE DRAWINGS:

**ACCESSIBLE ROUTE:**  
PROVIDE AN ACCESSIBLE ROUTE CONNECTING ALL ACCESSIBLE SPACES AND ELEMENTS, INCLUDING WALKING SURFACES, RAMPS & CURB RAMPS (EXCLUDING THE FLARED SIDES), DOORS & DOORWAYS, AND/OR ELEVATORS & PLATFORM LIFTS. AN ACCESSIBLE ROUTE MAY BE LOCATED AT EXTERIOR WALKS, AISLES, HALLS, CORRIDORS, SKYWALKS OR TUNNELS.

ACCESSIBLE WALKING SURFACES: PROVIDE STABLE, FIRM, & SLIP-RESISTANT SURFACE FINISHES W/ SURFACE OPENINGS (GRATINGS) NOT TO PERMIT PASSAGE OF A 1/2" DIAMETER SPHERE - WITH LONGEST DIMENSION PERPENDICULAR TO DIRECTION OF TRAVEL

MINIMUM WHEELCHAIR TURNING SPACE CAN INCLUDE ALLOWABLE FIXTURE KNEE & TOE CLEARANCES UNO. DOOR SWINGS ARE PERMITTED TO OVERLAP TURNING SPACE UNO.

**ACCESSIBLE BLDG ENTRANCES:**  
PROVIDE 60% (MIN) OF ALL PUBLIC BLDG ENTRANCES (EXCLUDING THOSE FOR LOADING OR SERVICE USE) ACCESSIBLE FROM: ACCESSIBLE PARKING, A PUBLIC TRANSPORTATION STOP, OR FROM A PASSENGER LOADING ZONE (AS APPLICABLE) WITHOUT STEPS OR ABRUPT CHANGES IN LEVEL.

PROVIDE ONE (1 - MIN) ACCESSIBLE BLDG ENTRANCE AT THE GROUND FLOOR LEVEL AND ONE (1 - MIN) ACCESSIBLE ENTRANCE TO EACH PROPOSED TENANT SPACE IN A MULTIPLE-TENANT BLDG.

PROVIDE ACCESSIBLE ENTRANCE AT SERVICE OR LOADING ENTRIES (NOT INTENDED FOR ENTRANCE BY THE PUBLIC) IF THAT IS THE ONLY ENTRANCE TO A SPACE OR BUILDING.

MULTI-LEVEL BUILDINGS: PROVIDE ONE (MIN) ACCESSIBLE ROUTE (INCLUDING AN ELEVATOR TO CONNECT EACH BUILDING LEVEL ABOVE OR BELOW ACCESSIBLE LEVELS INCLUDING MEZZANINES) UNLESS THE FLOOR-AREA IS LESS THAN 3,000 SF AND DOES NOT INCLUDE 5 OR MORE MULTIPLE MERCANTILE (GROUP M) TENANTS, OR THE OFFICES OF HEALTH CARE PROVIDERS.

**OPERABLE PARTS:**  
ACCESSIBLE OPERABLE PARTS INCLUDE CONTROLS AND OPERATING MECHANISMS (DOOR HARDWARE, WINDOW OPERATORS, DISPENSERS, LIGHT SWITCHES, CONVENIENCE OUTLETS, THERMOSTATS, ALARM CONTROLS, AND SIMILAR ELEMENTS).

PROVIDE AN ACCESSIBLE CLEAR-FLOOR SPACE AT ALL OPERATIONAL PARTS

OPERATION: BY USE OF 1 HAND WITH A SINGLE EFFORT WITHOUT TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST - WITH 5.0 POUNDS MAXIMUM OPERATIONAL FORCE. COMPLY WITH ALLOWABLE REACH RANGES FOR HEIGHT OF OPERABLE PARTS.

**ACCESSIBLE DOOR & GATE REQUIREMENTS:**  
REVOLVING DOORS OR GATES ARE NOT ACCESSIBLE.

SECURITY & MAINTENANCE DOORS (INCLUDING SERVICE-ACCESS DOORS) DO NOT NEED TO COMPLY WITH ACCESSIBILITY REQUIREMENTS

DOUBLE-LEAF DOORS OR GATES: ONLY ONE LEAF (MIN) MUST COMPLY WITH ACCESSIBILITY REQUIREMENTS

RECESSED DOORS: PROVIDE FORWARD APPROACH CLEARANCE WITH ANY OBSTRUCTION WITHIN 18 INCH OF LATCH SIDE OF DOORWAY PROJECTING MORE THAN 8 INCHES BEYOND THE FACE OF DOOR MEASURED PERPENDICULAR TO FACE OF DOOR

DOOR SURFACES: PROVIDE SMOOTH SURFACE WITHIN 0'-10" AFF ON PUSH-SIDE EXTENDING FULL WIDTH WITH MAX 1/16" BETWEEN SURFACE PLANE AND ANY PARTS (KICKPLATE), CAP CAVITIES FORMED BY KICKPLATES EXCEPT AT SLIDING DOORS, TEMPERED GLASS DOORS WITHOUT SIDE STILES WITH A BOTTOM RAIL WITH ITS TOP EDGE SLOPED 60° FROM HORIZONTAL OR MORE, OR AT DOORS NOT EXTENDING TO 0'-10" AFF

SIDELITES OR VISION LITES: AT DOORS AND SIDELITES ADJACENT TO DOORS WITH ONE OR MORE GLAZING PANELS PERMITTING VIEWING, PROVIDE BOTTOM EDGE OF AT LEAST ONE PANEL ON EITHER THE DOOR OR THE ADJACENT SIDELITE AT 43" MAX AFF, EXCEPT AT VISION LITES (ONLY) WITH THE LOWEST PART MORE THAN 66" AFF.

**ACCESSIBLE DOOR & GATE HARDWARE:**  
PROVIDE ACCESSIBLE HARDWARE WITH AN EASY-TO-GRASP SHAPE COMPLYING WITH OPERABLE PARTS REQUIREMENTS (LEVERS PUSH/PULLS, OR PANIC DEVICES ARE ACCEPTABLE), MOUNTED BETWEEN 2'-10" AND 4'-0" AFF, WITH MAX PROJECTION (INTO REQUIRED MIN CLEARANCES) OF 4" BTWN 34" - 80" AFF

SLIDING DOOR/GATE HARDWARE: OPERABLE PARTS MUST BE EXPOSED AND USABLE FROM BOTH SIDES WHEN DOOR IS FULLY OPEN

DOOR/GATE CLOSERS: ADJUST UNITS TO PROVIDE 5 SECOND (MIN) TIME TO MOVE DOOR/GATE FROM 90° OPEN-POSITION TO 12° OPEN-POSITION.

DOOR/GATE SPRING-HINGES: ADJUST TO PROVIDE 1-1/2 SECOND MIN TIME TO MOVE DOOR/GATE FROM 70° OPEN-POSITION TO CLOSED-POSITION

OPENING-FORCE OF CLOSERS OR SPRING-HINGES: 5.0 LBS MAX @ INTERIOR HINGED, SLIDING OR FOLDING DOORS OR GATES (NOT APPLICABLE TO LATCH-BOLT RETRACTION FORCE AND NOT APPLICABLE TO OPENING FORCE AT FIRE-DOORS - TO BE AS REQD BY A/JH)

**AUTOMATIC DOORS OR GATES:**  
REFERENCED STANDARDS: COMPLY WITH ANSI/BHMA A156.10. AND FOR POWER-ASSIST AND LOW-ENERGY DOORS, COMPLY WITH ANSI/BHMA A156.19 (UNLESS DOORS OR GATES ARE DESIGNED TO BE OPERATED ONLY BY SECURITY PERSONNEL)

COMPLY WITH ACCESSIBLE CLEAR-FLOOR SPACE, THRESHOLD / FLOOR-SURFACE, AND DOORS-IN- SERIES REQUIREMENTS.

MANUAL CONTROLS: COMPLY WITH "OPERABLE PARTS" REQMTS WITH THE CLEAR FLOOR SPACE ADJACENT TO THE CONTROL SWITCH LOCATED BEYOND THE DOOR/GATE SWING.

**ACCESSIBLE WINDOWS:**  
PROVIDE OPERATIONAL PARTS LOCATED PER "OPERABLE PARTS" REQMTS W/ MIN ACCESSIBLE CLEAR-FLOOR SPACE ADJACENT TO THE WINDOW.  
SPECIAL ACCESS (PLATFORM) LIFTS (INTERIOR OR EXTERIOR):  
COMPLY WITH ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS, SECTION XX (WITH ACCESSIBLE KEY-CONTROLS IF LIFT TRAVEL AREA IS NOT ENCLOSED) AND AS FOLLOWS:  
MAX TRAVEL HEIGHT: 60 INCHES  
MIN CAPACITY: 400 POUNDS  
MIN PLATFORM SIZE: 30 X 46 INCH  
MAX SPEED: 20 FPM

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LICENSE NO. A-2002017812

07/03/2024

SEAL

**ACADEMY BANK  
LEE'S SUMMIT**

**2070 NW LOWENSTEIN DR  
SUITE A  
LEE'S SUMMIT, MO 64081**

**FOR CONSTRUCTION**

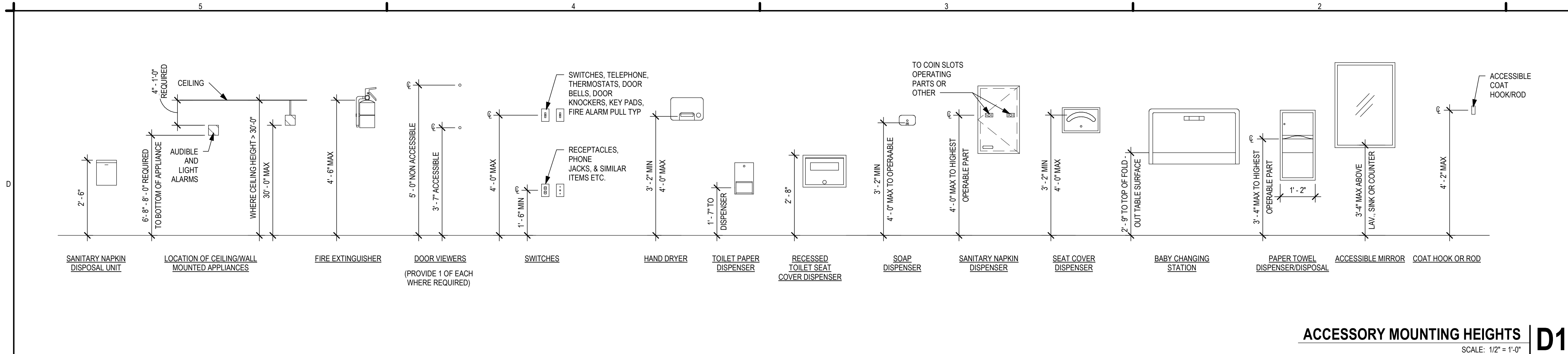
ISSUE DATE: 07.03.2024  
REV DESCRIPTION DATE

PROJECT NO. 16014  
DRAWN BY: CG  
CHKD BY: GB  
SHEET TITLE

**GENERAL  
ACCESSIBILITY  
G002**

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**ACCESSIBLE ROUTE W/ IN BUILDING**  
SPACES W/ IN BUILDINGS: PROVIDE AN ACCESSIBLE ROUTE TO EACH SPACE OR PORTION W/ IN A BUILDING. TO ACCESSIBLE BUILDING ENTRANCES - NOT PASSING THROUGH KITCHENS, STORAGE ROOMS, RESTROOMS CLOSETS OR SIMILAR SPACES (IF ONLY ONE ACCESSIBLE-ROUTE IS PROVIDED).

CONSTRUCT EMPLOYEE WORK AREA, SPACES & ELEMENTS SO THAT INDIVIDUALS W/ DISABILITIES CAN APPROACH, ENTER, & EXIT THE WORK AREA. (EXCEPT AT WORK-AREAS LESS THAN 150 SF & ELEVATED SEVEN (7) INCHES OR MORE ABOVE GROUND OR FINISH FLOOR - WHEN THE RAISED ELEVATION IS ESSENTIAL TO THE FUNCTION OF THE WORK - AREA - PER IBC).

PROVIDE ACCESSIBLE ROUTES AT ALL COMMON-USE CIRCULATION PATHS W/ IN EMPLOYEE WORK AREAS UNLESS WORK AREA IS LESS THAN 300 SF & DEFINED BY PERMANENTLY INSTALLED PARTITIONS, COUNTERS, CASEWORK OR FURNISHINGS

ACCESSIBILITY NOT REQUIRED (W/ IN A BUILDING): TO NON-OCCUPIABLE SPACES OR TO SERVICE-ONLY AREAS INCLUDING CATWALKS, CRAWL-SPACES, FREIGHT (NON-PASSENGER) ELEVATORS, ELEVATOR PITS, OR TO MECH PENTHOUSES.

**ACCESSIBLE-ROUTE W/ IN BUILDING**  
ACCESSIBLE-ROUTES MAY CONSIST OF ONE OR MORE OF THESE COMPONENTS: WALKING SURFACES, RAMPS, DOORS & DOORWAYS, ELEVATORS & PLATFORM LIFTS.

MIN CORRIDOR WIDTH: 3'-8"

MIN WIDTH OF ACCESS AISLES: 3'-0"

CARPETED WALKING SURFACES: BROADLOOM OR CARPET-TILE W/ FIRM CUSHION/PAD (OR W/IO CUSHION & PAD) W/ LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT/UNCUT PILE TEXTURE W/ 1/2 INCH MAX PILE-HEIGHT. SECURELY ATTACH TO SUBSTRATE & PROVIDE BEVELED EDGE-TRIM ALONG ENTIRE LENGTH OF EXPOSED EDGE PER ABOVE.

**AREA-OF-RESCUE ASSISTANCE**  
PROVIDE AN "AREA-OF-RESCUE-ASSISTANCE" AT NON-ACCESSIBLE EXIT-DISCHARGE DOORS - EXCEPT IN BUILDINGS W/ A SUPERVISED AUTOMATIC FIRE-SUPPRESSION SYSTEM.

MIN SIZE: PROVIDE MIN OF TWO (2) EA 2'-6" X 4'-0" AREAS OR ONE (1) EACH PER 200 OCC PER STORY SERVED NOT ENCRoACHING ON ANY REQUIRED EXIT WIDTH

**TOILET ROOMS OR COMPARTMENTS**  
UNI-SEX TOILET ROOM: PROVIDE AN ACCESSIBLE FACILITY W/ A SINGLE WATER-CLOSET & LAVATORY IN ANY MERCANTILE OR ASSEMBLY OCCUPANCIES WHERE A TOTAL OF SIX (6) OR MORE MALE & FEMALE WATER-CLOSETS ARE REQUIRED (PER IBC).

PROVIDE UNI-SEX & SINGLE-USE TOILET ROOMS W/ DOOR LOCKING FROM INSIDE

WATER-CLOSET COMPARTMENTS: PROVIDE A MIN OF ONE (1) WHEELCHAIR-ACCESSIBLE COMPARTMENT & WHEN OVER SIX (6) WATER-CLOSETS + URINALS ARE PROVIDED IN A TOILET ROOM, PROVIDE ONE (1) TO BE AMBULATORY-ACCESSIBLE IN ADDITION TO THE WHEELCHAIR-ACCESSIBLE UNIT.

SINKS: PROVIDE NO LESS THAN ONE (1) ACCESSIBLE SINK (OR 5% OF TOTAL) WHERE PROVIDED (MOP OR SERVICE-SINKS ARE NOT REQUIRED TO BE ACCESSIBLE)

**DRINKING FOUNTAINS**  
IF ONLY ONE DRINKING FOUNTAIN IS PROVIDED IN A SPACE OR BUILDING, PROVIDE A "DUAL, HI-LOW" TYPE UNIT ACCESSIBLE TO BOTH WHEELCHAIR USERS & TO PERSONS W/ DIFFICULTY BENDING OR STOPPING (STANDARD HEIGHT UNIT) OR OTHER MEANS TO ACHIEVE EQUIVALENT ACCESSIBILITY FOR BOTH (PROVIDING AN ACCESSIBLE WATER COOLER, FOR EXAMPLE).

PROVIDE DRINKING FOUNTAINS IN ALCOVE OUT OF COMMON PATH OF TRAVEL SPACING BETWEEN DRINKING FOUNTAINS: 2'-3" (27") MIN

**ACCESSIBLE ELEVATORS**  
MIN CAR SIZE: DEPTH: 4'-3" TO FRONT WALL - 4'-6" TO DOOR WIDTH: 50 OR MORE OCC: 6'-8" MIN (STRETCHER TYPE) UNDER 50 OCC: 4'-6" MIN

MIN DOOR WIDTH: 50 OR MORE OCC: 3'-6" MIN UNDER 50 OCC: 2'-10" MIN

HANDRAIL AT REAR: LOCATE BIT 2'-6" TO 2'-10" AFF

ELEVATOR CONTROLS: LOCATE BETWEEN 2'-11" MIN & 4'-6" AFF MAX PROVIDE EMERGENCY PHONE @ 4'-0" AFF MAX W/ 2'-5" MIN CORD LENGTH HALL-CALL BUTTONS: CENTER AT 3'-6" AFF HALL LANTERNS: 6'-0" (72 INCH) AFF - VISUAL & AUDIBLE FLOOR INDICATOR SIGNS: 2" HIGH CONTRASTING LETTER SIGN W/ BRAILLE ON SIDE OF DOOR JAMB AT 60" AFF

**ACCESSIBLE SEATING**  
WHEN PROVIDED AT FIXED OR BUILT-IN TABLES, COUNTERS OR WORK SURFACES, PROVIDE 5% MIN BUT NOT LESS THAN ONE (1) ACCESSIBLE SEATING, DISTRIBUTED THROUGHOUT.

POINT-OF-SALE (POS) OR SERVICE COUNTERS: PROVIDE NOT LESS THAN ONE (1) UNIT TO BE ACCESSIBLE DISPERSED THROUGHOUT IF COUNTERS ARE DISPERSED.

**SIGNAGE**  
REQUIRED ACCESSIBLE SIGNS (MIN) EXCEPT AT BUILDING DIRECTORIES, MENU BOARDS, OR TEMPORARY SIGNS PROVIDE ACCESSIBLE SIGNS AS FOLLOWS:

ACCESSIBLE ENTRANCES: PROVIDE A 4 X 4" ACCESSIBILITY DECAL AT ALL ACCESSIBLE PUBLIC ENTRANCE DOORS CENTERED AT 60" AFF.

NON-ACCESSIBLE PUBLIC ENTRANCES: PROVIDE DIRECTIONAL SIGNS INDICATING LOCATION OF NEAREST ACCESSIBLE ENTRANCE.

NON-ACCESSIBLE TOILET ROOMS: PROVIDE DIRECTIONAL SIGNS INDICATING LOCATION OF NEAREST ACCESSIBLE UNITS.

ROOM (OR SPACE) SIGNS (INCLUDING TOILET ROOMS): PROVIDE RAISED PICTOGRAMS, TACTILE CHARACTERS & BRAILLE TEXT.

ACCEPTABLE CHARACTERS: UPPER-CASE, LOWER-CASE, OR A COMBINATION OF BOTH IN A SANS-SERIF CONVENTIONAL STYLE - NO ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE OR OTHER UNUSUAL FORMS

FINISH & CONTRAST: NON-GLARE W/ EITHER LIGHT CHARACTERS ON DARK BACKGROUND OR DARK CHARACTERS ON LIGHT BACKGROUND

ILLUMINATION LEVEL AT ACCESSIBLE SIGNS: MIN 10 FOOTCANDLES

PROVIDE CLEAR FLOOR AREA OF 18 X 18 INCHES CENTERED ON TACTILE CHARACTER SIGNS BEYOND ARC OF DOOR SWING FROM CLOSED TO 45 DEGREE OPEN POSITION

BRAILLE: CONTRACTED (GRADE 2) W/ INDICATION OF AN UPPERCASE LETTER ONLY BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS, & NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, OR ACRONYM.

**ALARMS**  
IF EMERGENCY WARNING SYSTEMS ARE PROVIDED, PROVIDE BOTH AUDIBLE & VISUAL ALARMS IN ANY COMMON-USE AREAS (INCLUDING BUT NOT LIMITED TO RESTROOMS, MEETING ROOMS, HALLWAYS, & LOBBIES). PERMANENTLY CONNECT ALARM SYSTEMS TO THE BUILDING ELECTRICAL POWER & LIGHTING SYSTEM AS APPROPRIATE.

IF AUDIBLE ALARMS ARE PROVIDED, THEY MUST PRODUCE SOUND EXCEEDING THE PREVAILING EQUIVALENT LEVEL OF A SPACE BY AT LEAST 15 dba OR EXCEED ANY MAX SOUND LEVEL W/ A DURATION OF 80 SECONDS BY 5 dba, WHICHEVER IS LOUDER (NOT EXCEEDING 120dbA).

IF VISUAL ALARMS ARE PROVIDED, PROVIDE UNFILTERED OR CLEAR-FILTERED WHITE XENON-STROBE TYPE LAMPS OR EQUIVALENT, W/ 0.2 SECOND MAX PULSE DURATION & MAX DUTY CYCLE OF 40 PERCENT, PROVIDING A MIN BRIGHTNESS INTENSITY OF 75 CANDELA W/ A FLASH RATE BETWEEN 1 & 3 Hz. LOCATE UNITS NO MORE THAN 6'-10" (80") AFF OR 6" BELOW CEILING (WHICHEVER IS LOWER). LOCATE 50 FEET MAX FROM ANY POINT W/ IN A SPACE OR COMMON CORRIDOR, OR IN LARGE SPACES OVER 100 FEET ACROSS (SUCH AS AUDITORIUMS) W/IO OBSTRUCTIONS 6 FT AFF, LOCATE AROUND ROOM PERIMETER AT MAX 100 FT CENTERS.

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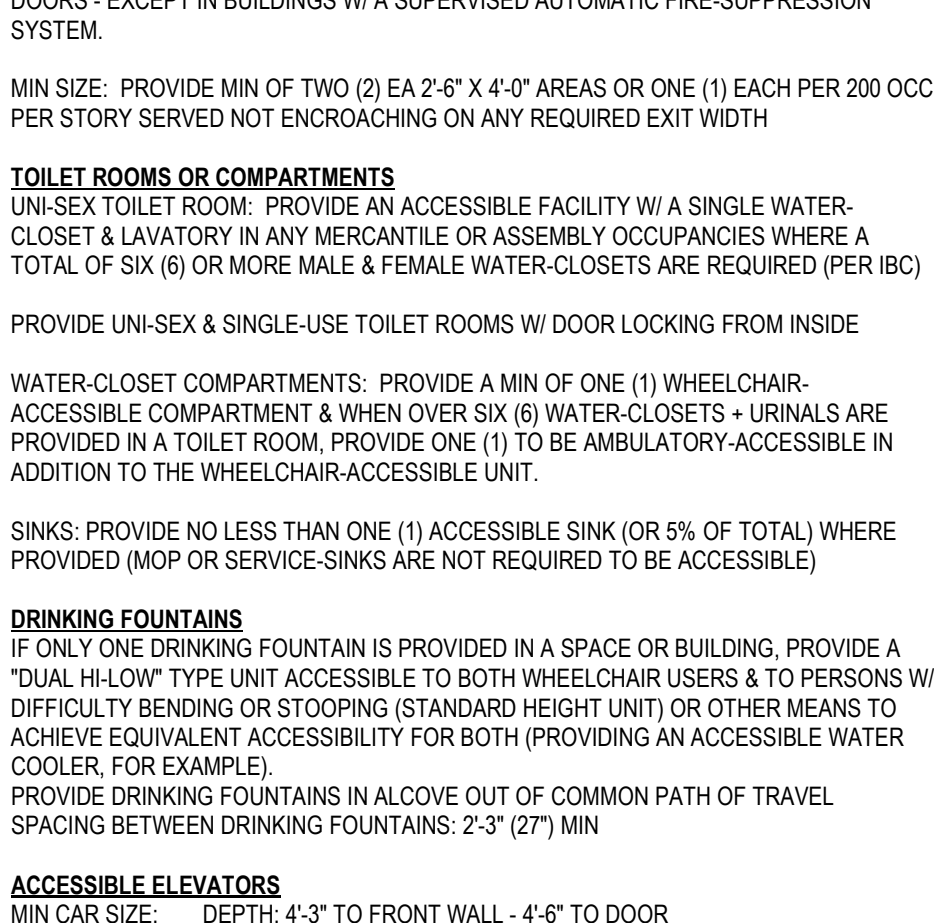
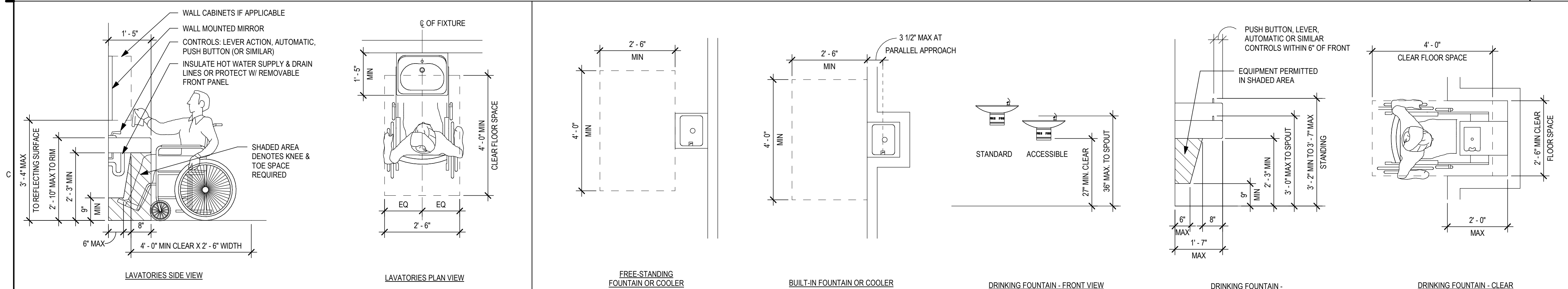
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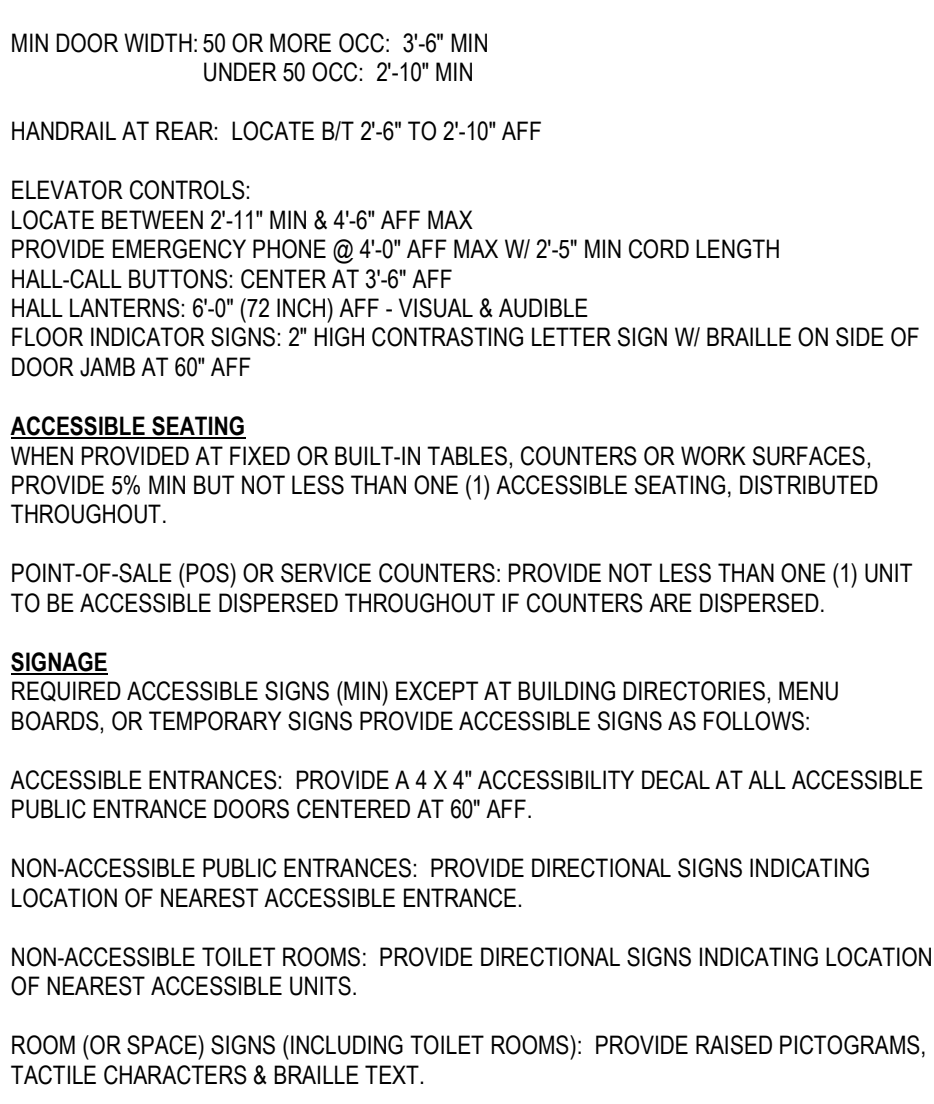
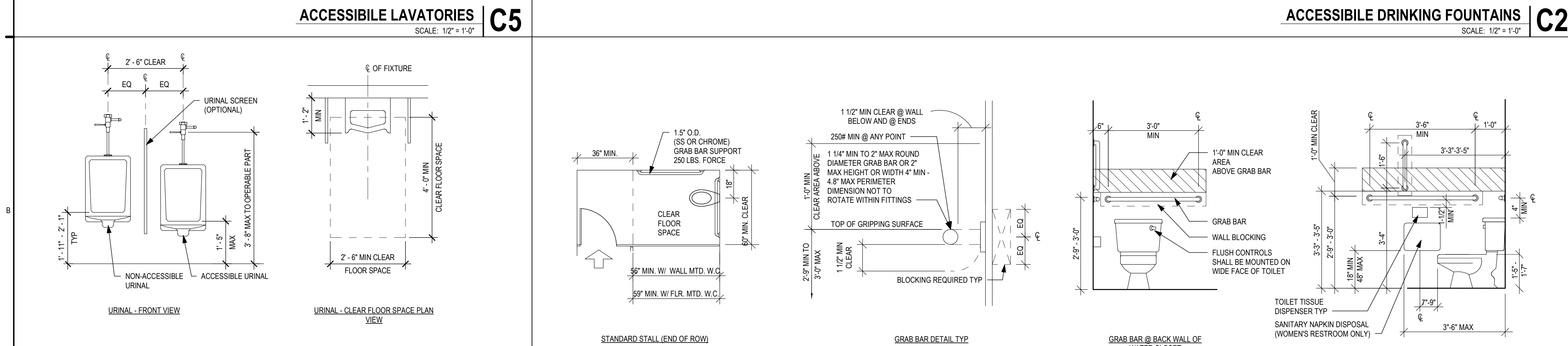
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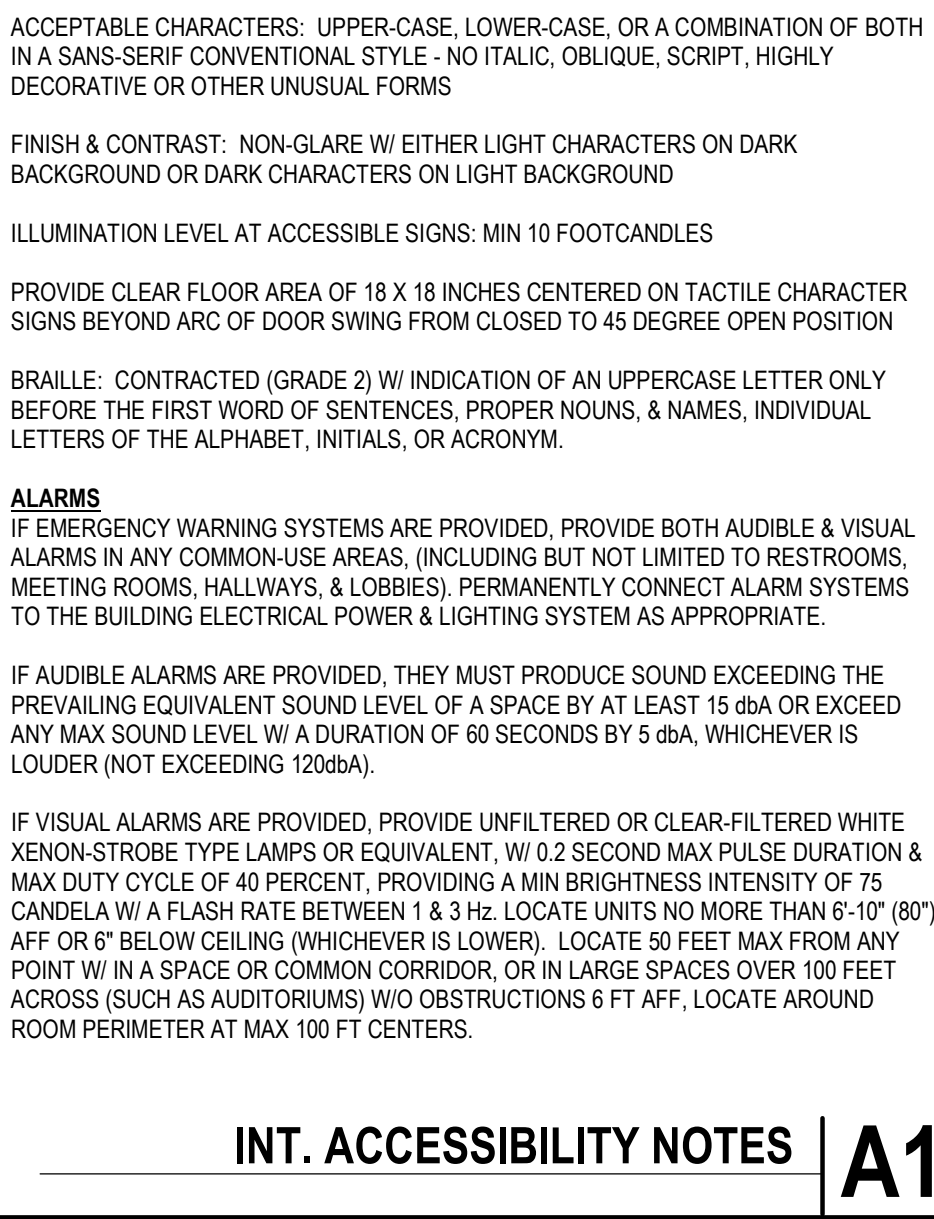
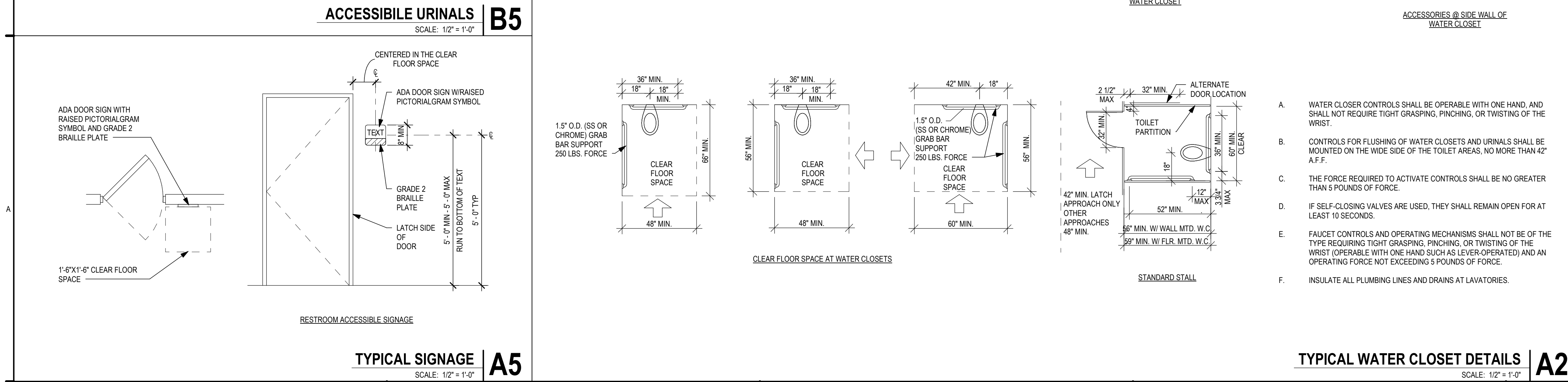
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ACADEMY BANK  
LEE'S SUMMIT  
2070 NW LOWENSTEIN DR  
SUITE A  
LEE'S SUMMIT, MO 64081



FOR CONSTRUCTION

ISSUE DATE: 07.03.2024  
REV DESCRIPTION DATE

PROJECT NO. 16014  
DRAWN BY: CG  
CHKD BY: GB  
SHEET TITLE

INTERIOR  
ACCESSIBILITY  
G003









- (A) PAPER TOWEL DISPENSER BOBRICK C 4262 CONTURA SERIES
- (B) WALL MTD FRAMELESS MIRROR
- (C) WALL HUNG SINK
- (D) SOAP DISPENSER
- (E) FLOOR MTD TOILET
- (F) GRAB BARS
- (G) TOILET PAPER DISPENSER BOBERICK B-4288 CONTURA SERIES
- (H) SANITARY NAPKIN DISPENSER BOBRICK B-270 SERIES

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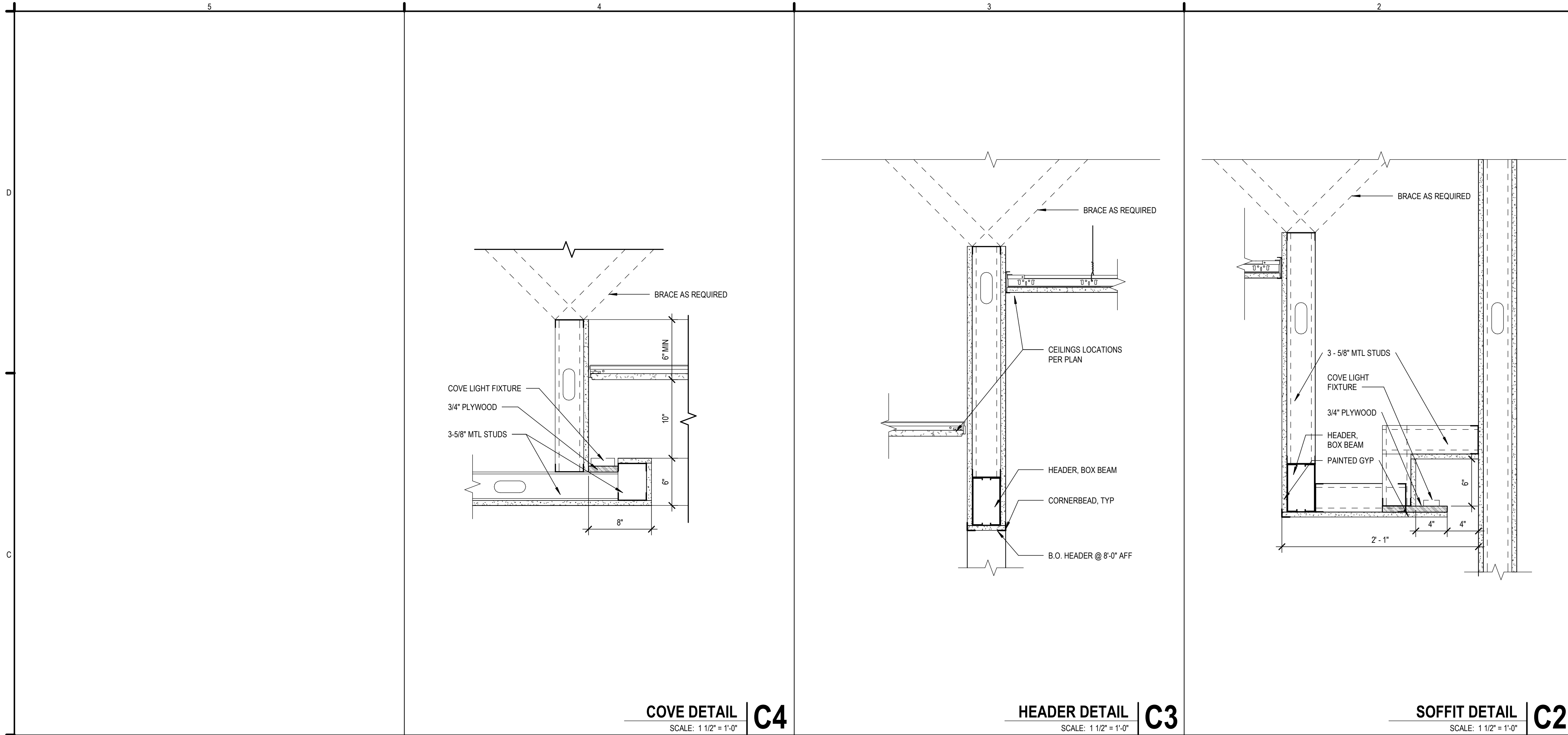
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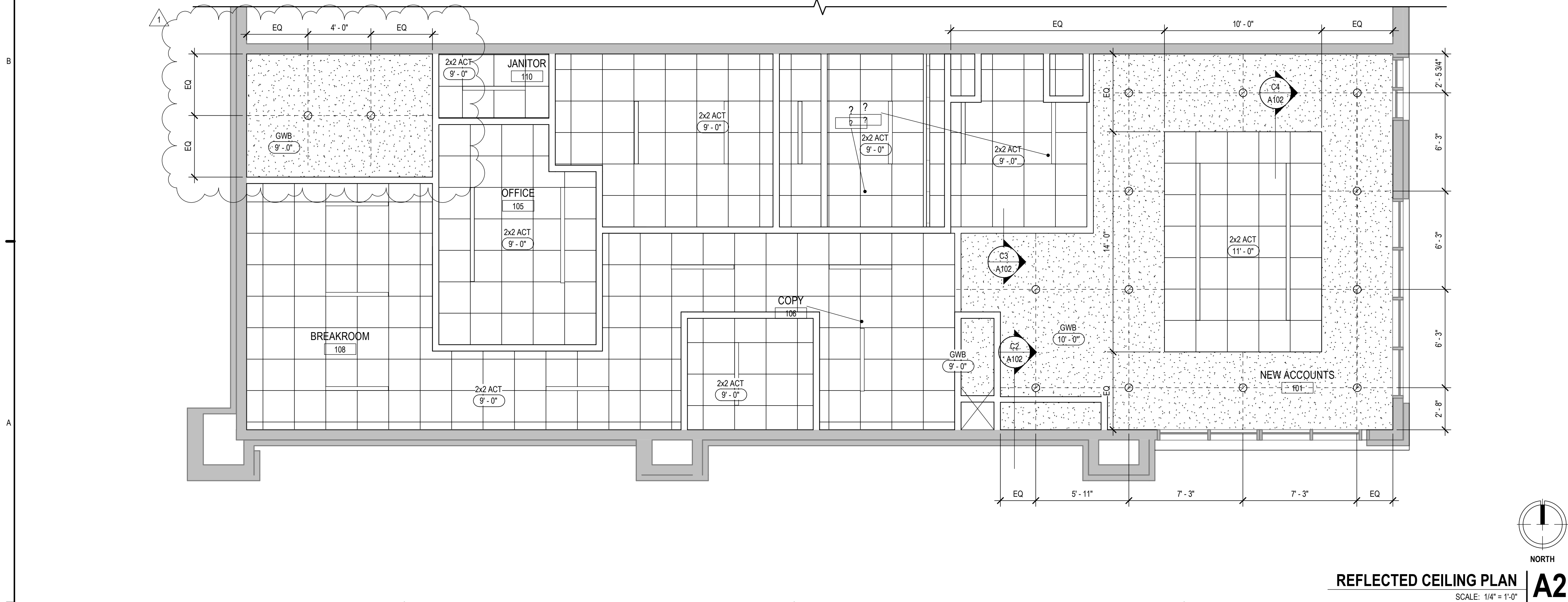




- CEILING PLAN GENERAL NOTES**
- A. ALL CIRCUITING FOR ELECTRICAL TO BE BY ELECTRICAL SUBCONTRACTOR.
  - B. PROVIDE DUPLEX OUTLETS AS IDENTIFIED ON DRAWINGS AND AS REQ'D BY CODE. PROVIDE GFCI OUTLETS IN ALL WET AREAS AS REQ'D BY CODE.
  - C. ALL HVAC TO BE DESIGN/BUILD BY CONTRACTOR.
  - D. CONTACT ARCHITECT IF CEILING HEIGHT NOTED IN DWGS ISN'T FEASIBLE DUE TO EXISTING CONDITIONS.
  - E. CONTRACTOR SHALL TAKE PRECAUTION DURING CONSTRUCTION SO AS NOT TO DAMAGE EXISTING ITEMS TO REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL PRE-CONSTRUCTION CONDITION AND/OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE WITHOUT ADDITIONAL COST TO THE OWNER.
  - F. INSTALL CONCEALED MECHANICAL TOUCH-LATCH ACCESS DOOR WITH CONCEALED HARDWARE & GYPSUM BOARD INLAY WHERE REQ'D.
  - G. ALL WALL TV LOCATIONS TO BE VERIFIED WITH OWNER PRIOR TO INSTALLATION. WALL LOCATIONS SHOWN FOR PRICING PURPOSES.
  - H. PROVIDE BI-LEVEL SWITCHING OR OCCUPAND SENSOR & AUTOMATIC LIGHTING SHUTOFF(S). PER 505.2.2.1 AND 505.2.2.2. OF THE 2006 IEEC.
  - I. UNO CENTER ACT GRID IN EACH ROOM.

**CEILING PLAN SYMBOLS LEGEND**

	4\"/>
	NEW GYPSUM WALL BOARD CEILING
	ACT: ARMSTRONG ULTIMA 2X2, 15/16 BEVELED REGULAR
	CEILING HEIGHT TAG
	2X2 LAY-IN LIGHT FIXTURE W/ BATTERY FEATURES, LITHONIA LIGHTING, 2VTL2-40L-ADPT E21-LP840-(EL14L), LED (4000 LUMEN) 400K/35W
	2X4 LAY-IN LIGHT FIXTURE W/ BATTERY FEATURES
	4\"/>
	LED STRIP LIGHTING CONCEALED IN COVER PER DETAIL C4/A111 FLEXFIRE LEDES, COLORBRIGHT NATURAL WHITE
	AREA NOT IN SCOPE



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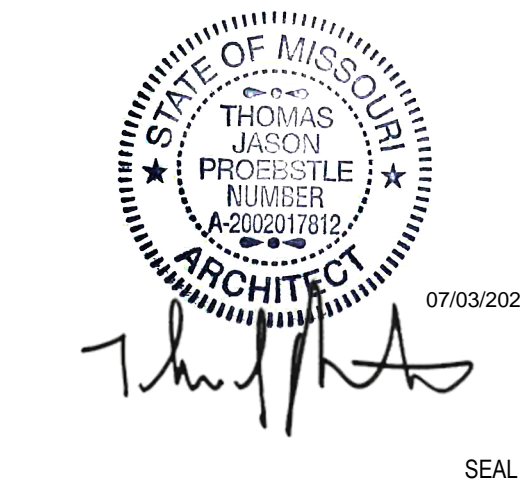
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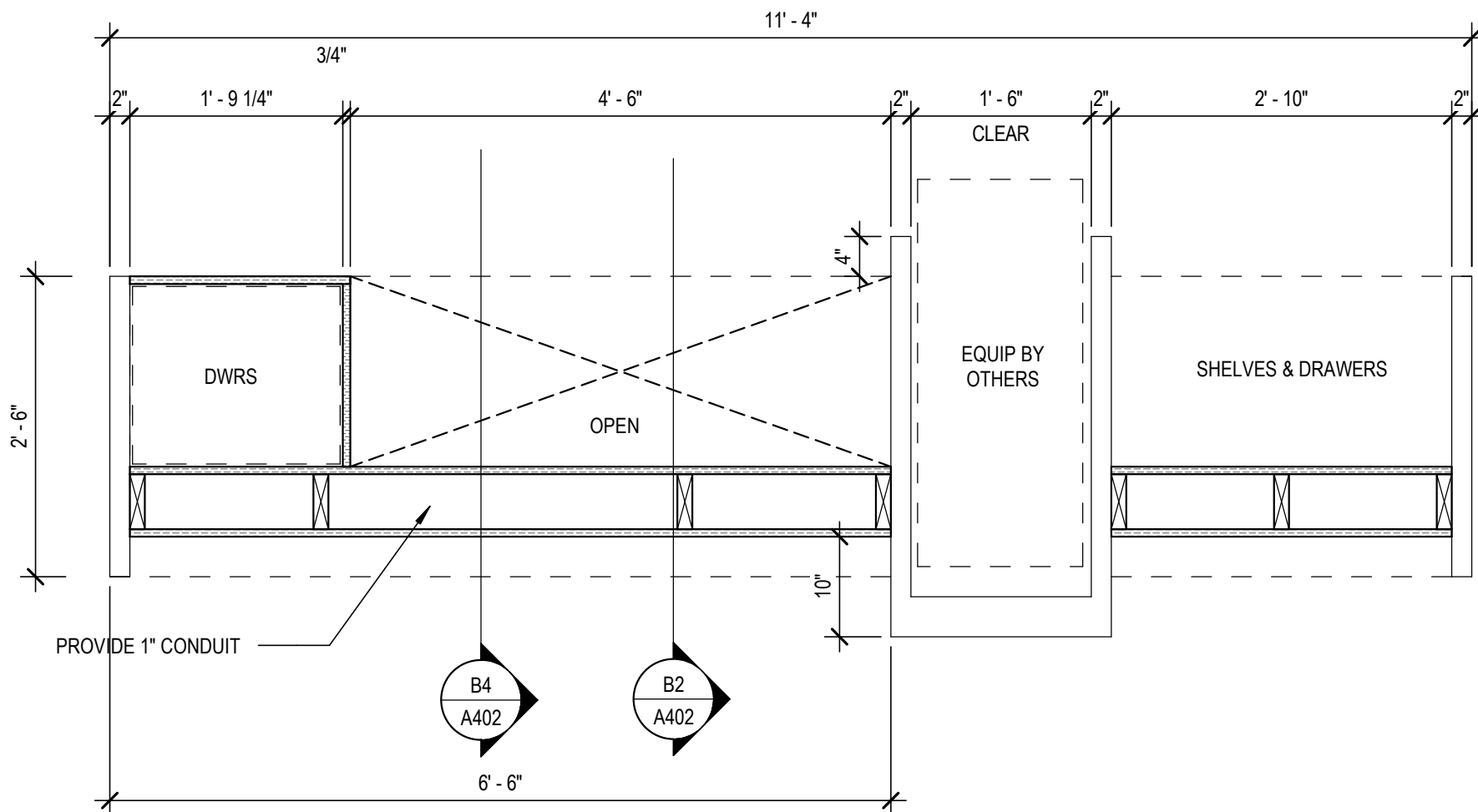
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<b>REV</b>	<b>DESCRIPTION</b>	<b>DATE</b>
1	CITY COMMENTS #1	07/03/2023

PROJECT NO. 16014  
DRAWN BY: CH  
CHKD BY: PB  
SHEET TITLE

**REFLECTED CEILING  
PLAN  
A102**

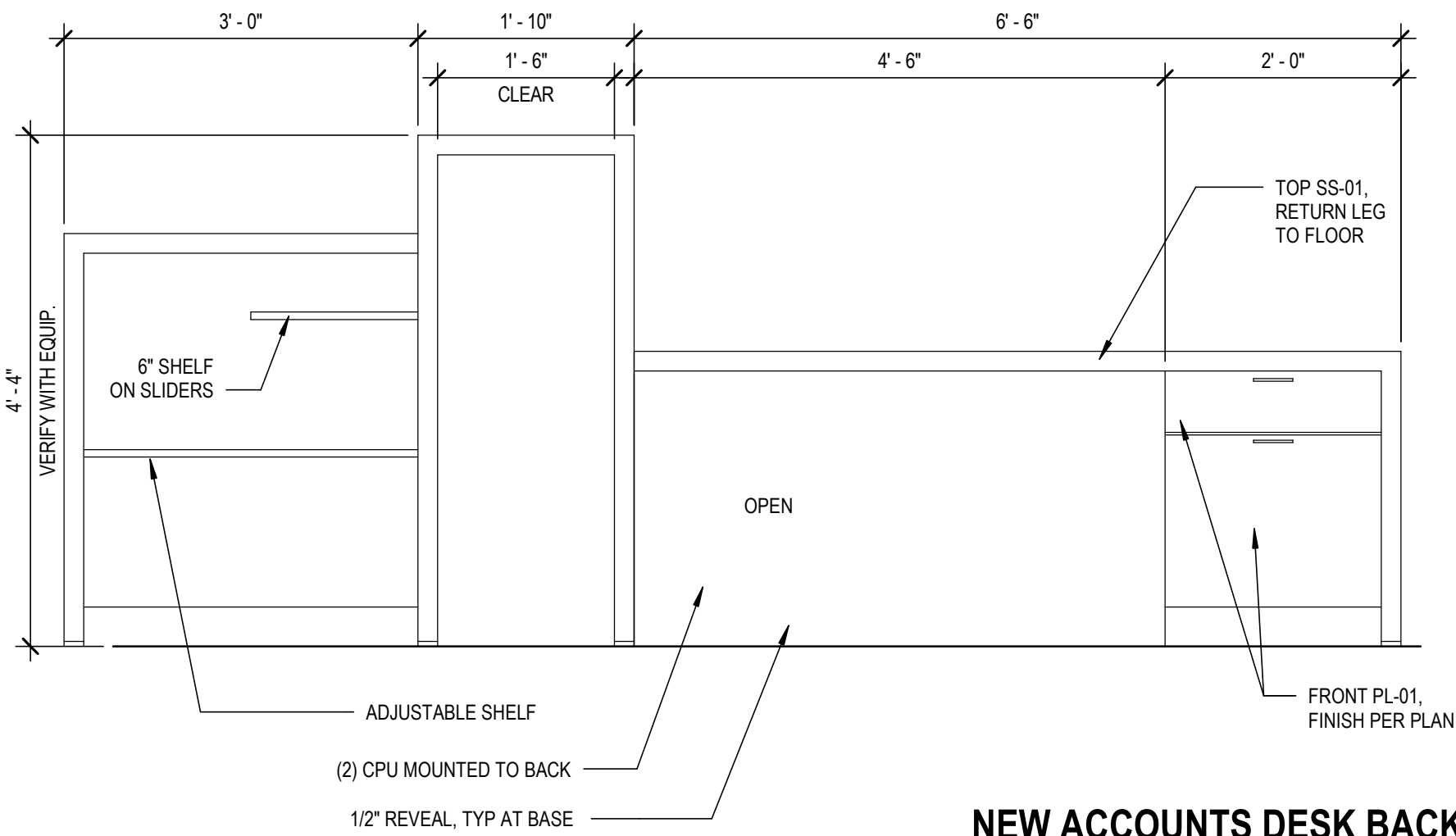


ROOM SCHEDULE								
ROOM NUMBER	ROOM NAME	BASE FINISH	FLOOR FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH
101	NEW ACCOUNTS	B-01	TL-01	PT-03	PT-01	RE: A3/A401	RE: B1/A401	RE: RCP
102	BCIM	RB-01	CPT-01	PT-03	PT-01	PT-01	PT-01	ACT-01
103	SMALL CONFERENCE	RB-01	CPT-01	WC-01	PT-01	PT-01	PT-01	ACT-01
104	OFFICE	RB-01	CPT-01	PT-03	PT-01	PT-01	PT-01	ACT-01
105	OFFICE	RB-01	TL-02	PT-01	PT-03	PT-01	PT-01	ACT-01
106	COPY	RB-01	TL-01	RE: B1/A401	PT-01	RE: A4/A401	PT-01	ACT-01
107	MECH / IT	RB-01	SC-01	PT-01	PT-01	PT-01	PT-01	ACT-01
108	BREAKROOM	RB-01	LVT-01	PT-01	PT-01	PT-01	RE: C2/A401	ACT-01
109	RESTROOM	B-02	TL-02	TL-02	TL-02	TL-02	TL-02	RE: RCP
110	JANITOR	RB-01	SC-01	PT-04	PT-04	PT-04	PT-04	ACT-01



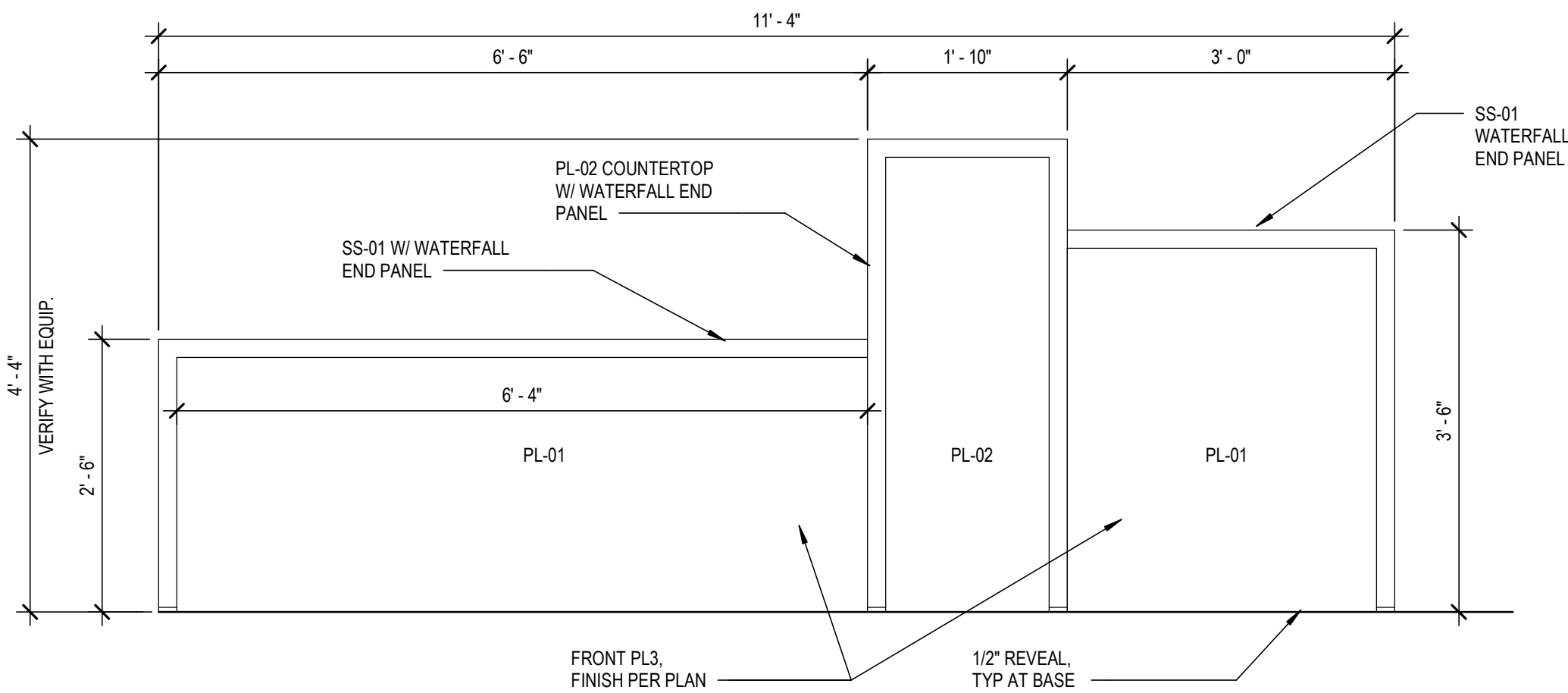
NEW ACCOUNTS DESK PLAN

D2



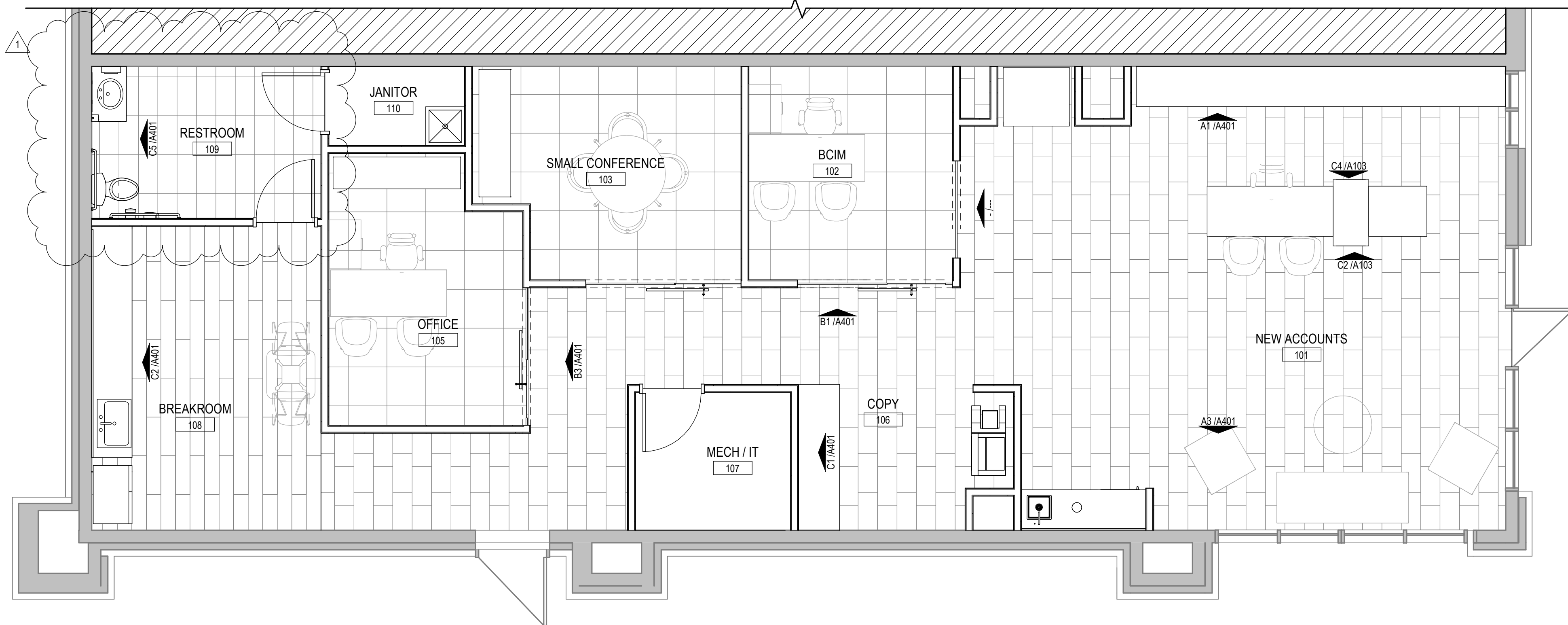
NEW ACCOUNTS DESK BACK

C4



NEW ACCOUNTS DESK FRONT

C2



FINISH FLOOR PLAN

A2

FINISH PLAN GENERAL NOTES

- ALL WALLS TO BE P1 UNLESS NOTED OTHERWISE ON FINISH PLANS. GWB CEILINGS ARE TO BE PAINTED P3. CEILING BRIGHT WHITE UNLESS NOTED OTHERWISE.
- ALL FLOOR AND WALL FINISHES ARE TO BE PROVIDED AND INSTALLED BY PROFESSIONAL CARPET, TILE AND/OR FLOORING CONTRACTORS.
- CONTRACTOR SHALL ADHERE TO ALL CURRENT MANUFACTURERS PRINTED SPECIFICATIONS FOR APPROVED INSTALLATION METHODS (FOR EXAMPLE, BUT NOT LIMITED TO ADHESIVE TYPES, CUTTING METHODS AND SEAM SEALERS ETC.)
- ALL MATERIALS SHALL BE INSPECTED FOR FLAWS, DEFECTS OR DISCOLORATION PRIOR TO CUTTING.
- ALL CHANGES IN FINISH FLOORING MATERIALS OCCURRING AT DOORWAYS SHALL BE AT THE CENTERLINE OF THE DOORWAY U.N.O. ALL OTHER FLOORS MATERIAL TRANSITIONS SHALL BE ACCOMPLISHED SMOOTHLY TO THE SATISFACTION OF THE ARCHITECT AND OWNER. NO HEIGHT DIFFERENCE IN FLOORING MATERIAL CHANGES PERMITTED. USE ROPPE SUBFLOOR LEVELER OR FLOOR LEVELING COMPOUND TO TAPER AS REQUIRED.
- FURNISH AND INSTALL PROPER METAL TRANSITION STRIPS AT CONNECTIONS BETWEEN CARPET AND TILE.
- CONTRACTOR TO IMMEDIATELY NOTIFY ARCHITECT/DESIGNER OF ANY VISUAL DEFECTS ENCOUNTERED DURING INSTALLATION AND SHOULD NOT PROCEED WITH INSTALLATION OF A DEFECTIVE MATERIAL.
- ALL CABINET DOORS AND DRAWERS SHALL UTILIZE HEAVY DUTY 120 EUROPEAN CONCEALED HINGES, FULL-EXTENSION DRAWER GLIDES FOR FLUSH-OVERLAY CONSTRUCTION. RE: ELEVATIONS FOR PULL TYPES AND SPECIFIC COMPONENTS.
- VINYL WALL COVERING NO SEAM DOWN MIDDLE OF WALL AND NO OPEN EDGES AT CORNERS.

FINISH LEGEND

- 1-HOUR RATED WALL PER CODE
- CARPET 1
- TILE 1
- TILE 2
- LVT 1
- SEALED CONC. FLOOR

CARPET

CPT-01 MANUF: TARKETT  
PATTERN: CACHE TWEED  
SIZE: 24"X24"  
INSTALLATION: VERTICAL ASHLAR  
COLOR: SHADOW GRIS 42710  
CONTACT: ABBEY HELLAND 816.678.8605

PAINT

PT-01 BENJAMIN MOORE  
COLOR: SUPER WHITE OC-152  
LOCATION: FIELD PAINT  
TYPE: EGGSHELL FOR WALLS; FLAT FOR CEILING

TILE

TL-01 MANUF: CROSSVILLE  
PATTERN: SHADES 2.0  
SIZE: 12"X24"  
COLOR: THUNDER UPS  
GROUT COLOR: MAPEI IRON  
CONTACT: VIRGINIA TILE

PT-02

BENJAMIN MOORE  
COLOR: SEAWEEED 2035-10  
LOCATION: ACCENT  
TYPE: EGGSHELL

TL-02

MANUF: CROSSVILLE  
PATTERN: SHADES 2.0  
SIZE: 12"X24"  
COLOR: ASH UPS  
GROUT COLOR: MAPEI IRON  
LOCATION: RESTROOM

PT-03

BENJAMIN MOORE  
COLOR: KITTY GRAY 1589  
LOCATION: ACCENT  
TYPE: EGGSHELL

PT-04

BENJAMIN MOORE  
COLOR: SUPER WHITE OC-152  
LOCATION: WET WALL  
TYPE: EPOXY

VINYL FLOORING

LVT-01 MANUF: BENTLEY MILLS  
PATTERN: MEMORY  
COLOR: CRAFTSMAN 801980  
SIZE: 9" X 48"  
INSTALLATION: RANDOM  
CONTACT: ALI SKILLING 913.387.9668

SOLID SURFACE

SS-01 MANUF: CORIAN  
COLLECTION: CORIAN QUARTZ  
COLOR: COARSE CARRARA  
CONTACT: KRISTY RINNE 314.254.6634

BASE

RB-01 MANUF: JOHNSONITE  
TYPE: RUBBER BASE - COVE  
COLOR: WHITE  
WOOD BASE PAINTED TO MATCH WALL  
PAINT COLOR RE: C1/A601 FOR DETAIL

PLASTIC LAMINATE

PL-01 MANUF: WILSONART  
STYLE: MATTE FINISH  
COLOR: FROSTY WHITE - 1573-60  
CONTACT: MANDY BRIDGES 913.484.2691

PL-02

MANUF: WILSONART  
STYLE: MATTE FINISH  
COLOR: NORTH SEA D90-60  
CONTACT: MANDY BRIDGES 913.484.2691

PL-03

MANUF: WILSONART  
COLOR: FAWN CYPRESS 8208K-16  
CONTACT: MANDY BRIDGES 913.484.2691

ACOUSTICAL CEILING TILES

ACT-01 MANUF: ARMSTRONG  
STYLE: ULTIMA 24X24  
COLOR: WHITE  
9/16" GRID

WOOD

WD-01 SPECIES: WHITE OAK  
GRAIN: STRAIGHT GRAIN, HORIZONTAL  
ORIENTATION  
STAIN: TO MATCH ARCHITECTS SAMPLE

VINYL WALL COVERING

WC-01 MANUF: KOROSEAL WALLTALKERS  
STYLE: MAG RITE II  
COLOR: WHITE  
TRIM: J-CAP  
CONTACT: AMY NEUSAL 816-728-3971  
NOTE: FEATHER WALL AS NEEDED FOR MARKERBOARDS TO BE FLAT AT TRANSITION TO J-CAP. TO BE INSTALLED STARTING 30" AFF



OWNER

DICKINSON FINANCIAL CORPORATION  
1111 MAIN STREET #1600  
KANSAS CITY, MISSOURI 64105  
816.472.5244

ARCHITECT

GENERATOR STUDIO LLC  
1615 BALTIMORE AVE  
KANSAS CITY, MO 64108  
816.333.6527  
GENERATORSTUDIO.COM

CIVIL ENGINEER

UHL ENGINEERING INC  
7211 W 98TH TERRACE SSTE 110  
OVERLAND PARK, KS 66212  
913.385.2670  
UHLENGINEERING.COM

MEP ENGINEER

ADVANCED CONSULTING ENGINEERS  
132 KELLEY DRIVE  
ROGERS, AR 72756  
479.631.1712 EXT 101  
ADVENGINEERS.COM

CONTRACTOR

SOUTHWIND GROUP  
1218 ENERGY DRIVE  
ABILENE, TX 79602  
325.695.1111  
SOUTHWINDGRP.COM

ARCHITECT: THOMAS JASON PROEBSTLE  
LICENSE NO. A-2002017812



07/03/2024

SEAL

ACADEMY BANK  
LEE'S SUMMIT

2070 NW LOWENSTEIN DR  
SUITE A  
LEE'S SUMMIT, MO 64081

FOR CONSTRUCTION

ISSUE DATE: 07.03.2024  
REV DESCRIPTION DATE  
1 CITY COMMENTS #1 07/03/2023

PROJECT NO. 16014  
DRAWN BY: CH  
CHKD BY: PB  
SHEET TITLE

FINISH PLAN

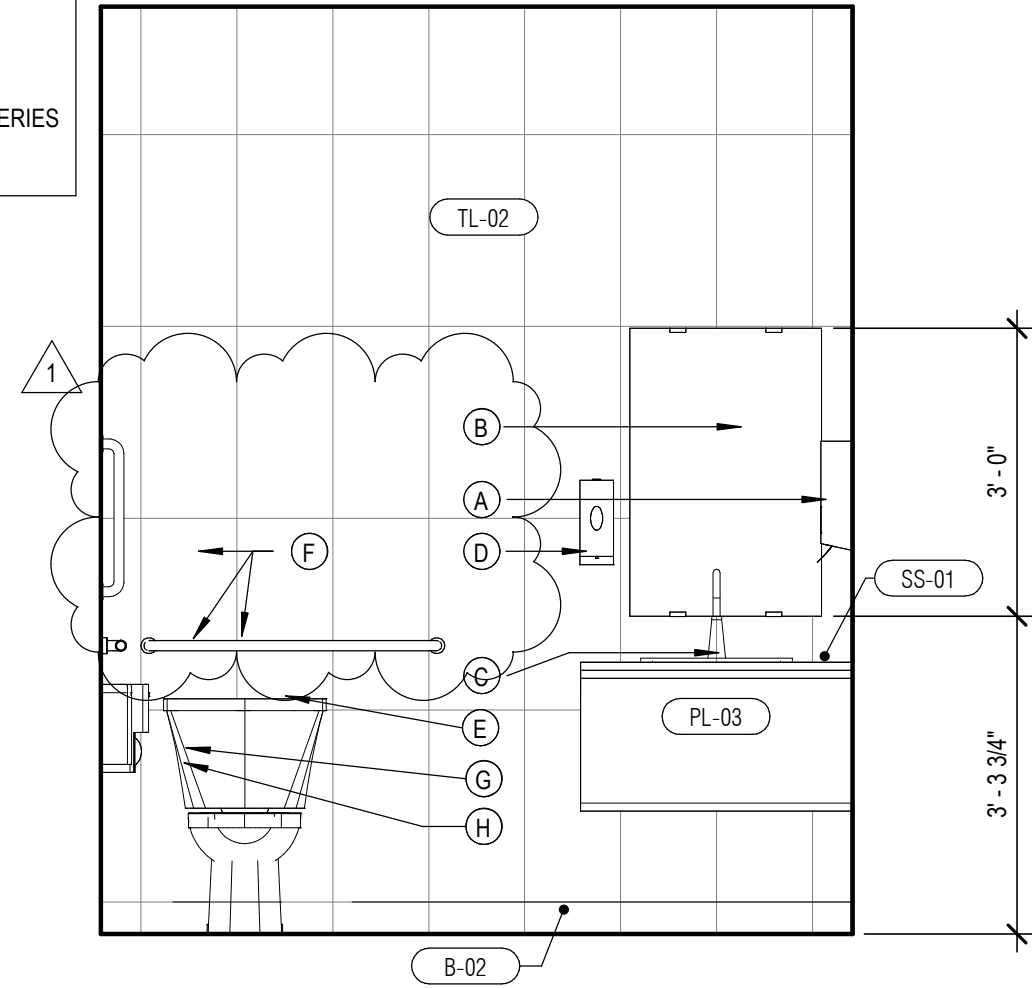
A103



TOILET ACCESSORY KEY NOTES

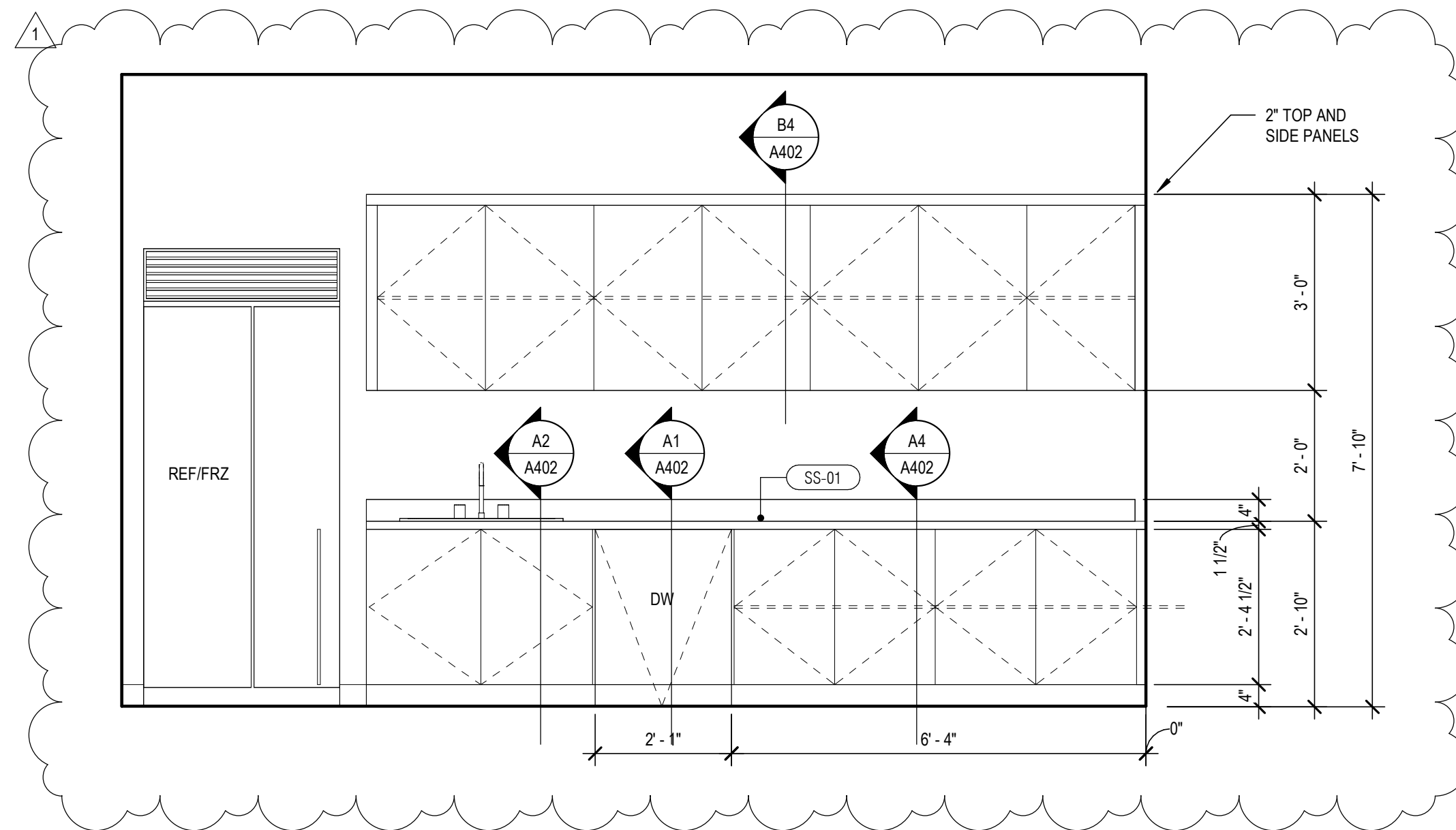
- A PAPER TOWEL DISPENSER BOBRICK C 4262 CONTURA SERIES  
B WALL MTD FRAMELESS MIRROR  
C WALL HUNG SINK  
D SOAP DISPENSER  
E FLOOR MTD TOILET  
F GRAB BARS  
G TOILET PAPER DISPENSER BOBERICK B-4288 CONTURA SERIES  
H SANITARY NAPKIN DISPOSAL

RE: G003 FOR RESTROOM  
ACCESSORY MOUNTING HEIGHT



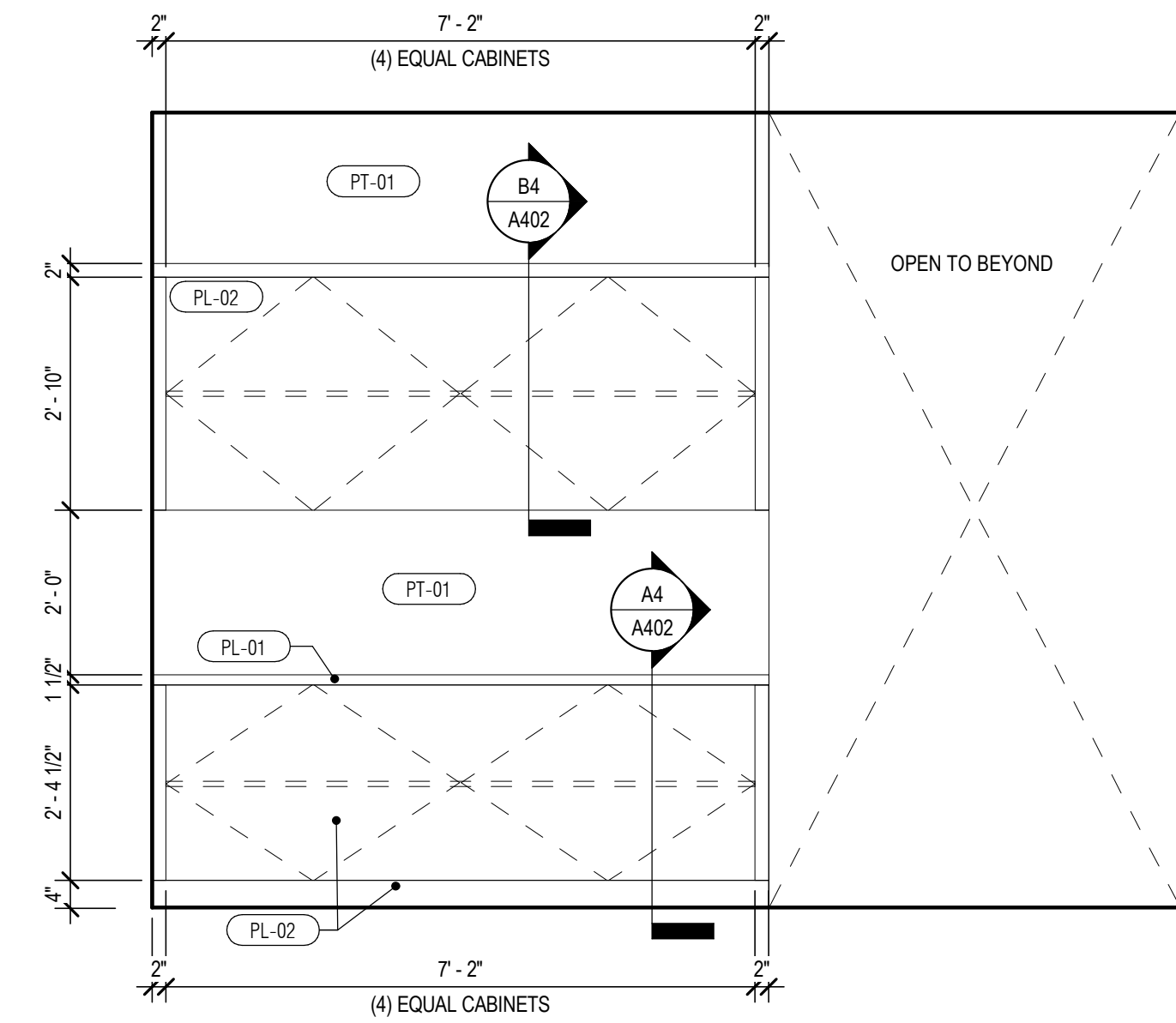
109 RESTROOM - WEST  
SCALE: 1/2" = 1'-0"

C5



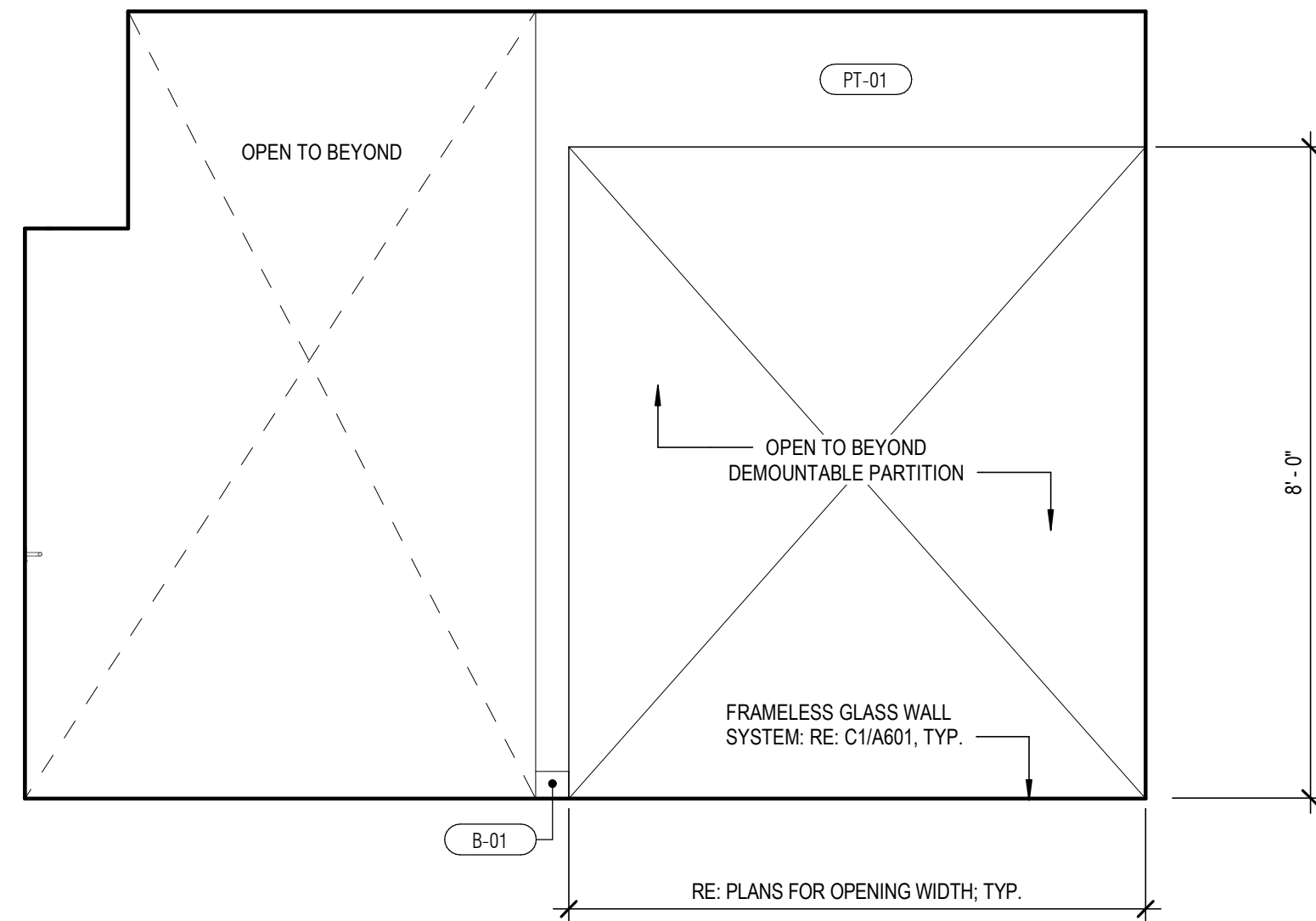
108 BREAKROOM - WEST  
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C2



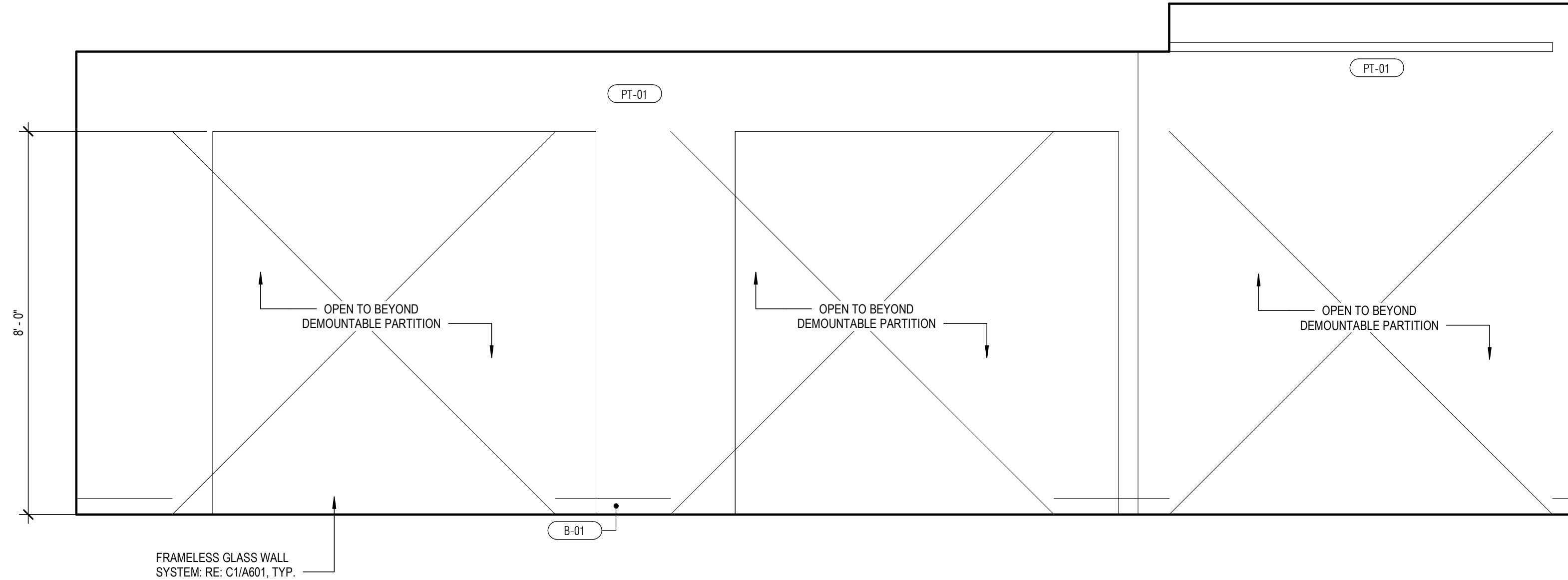
106 COPY - WEST  
SCALE: 1/2" = 1'-0"

C1



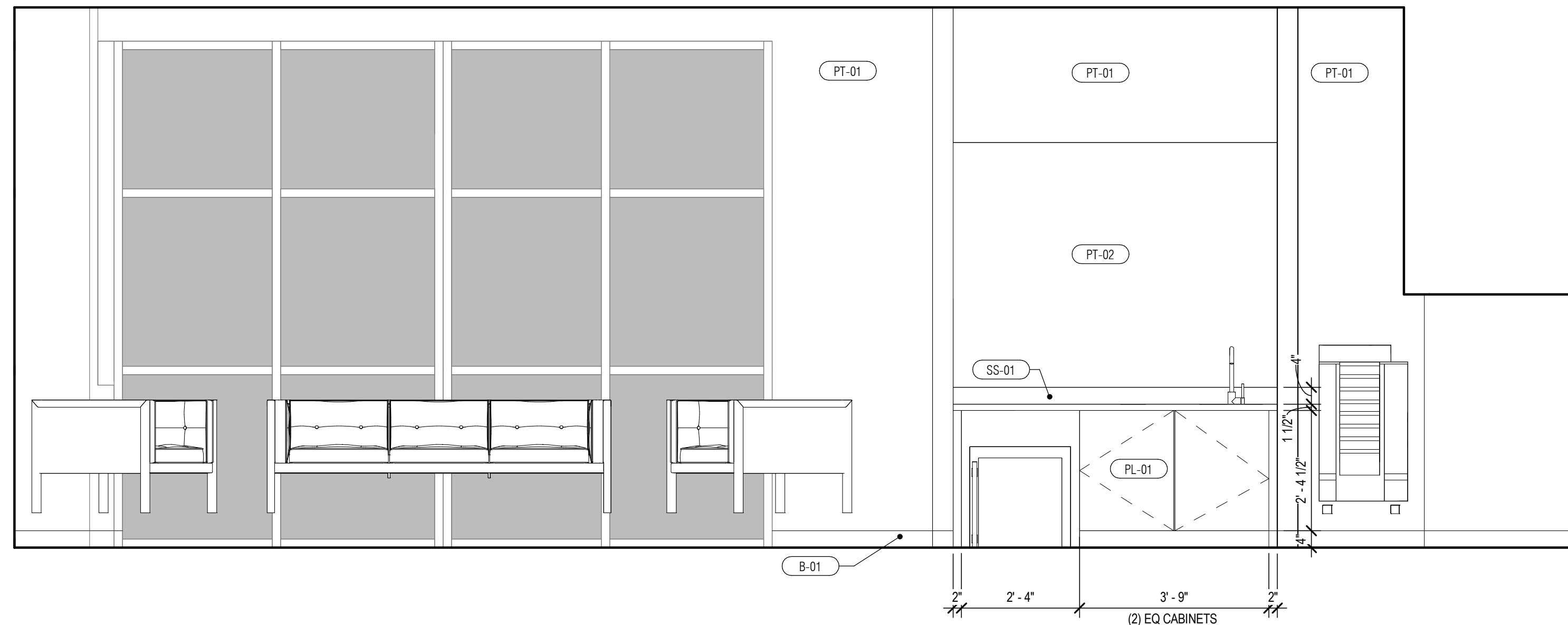
106 COPY - WEST CONT'D  
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B3



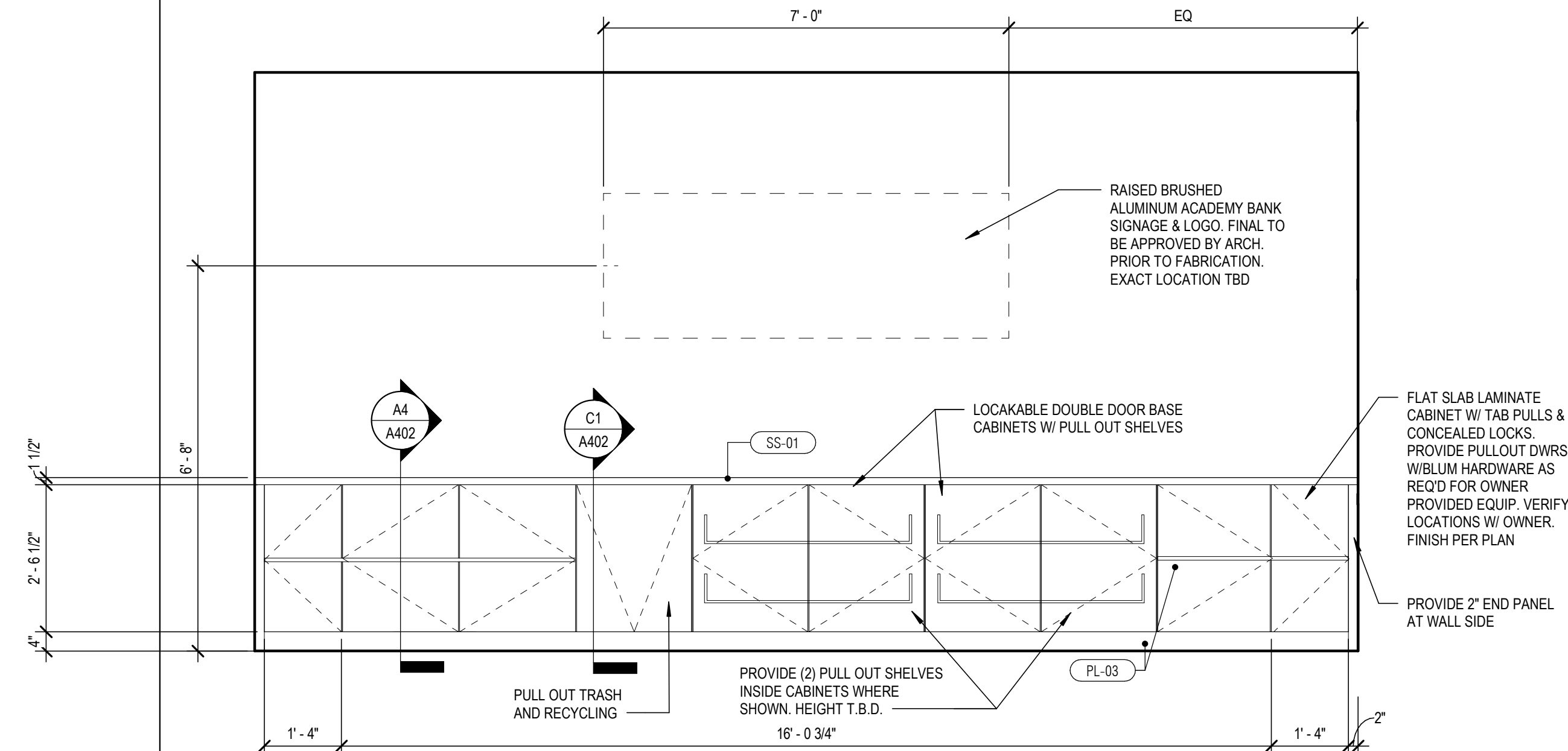
106 COPY - NORTH  
SCALE: 1/2" = 1'-0"

B1



101 NEW ACCOUNTS - SOUTH  
SCALE: 1/2" = 1'-0"

A3



101 NEW ACCOUNTS - NORTH  
SCALE: 1/2" = 1'-0"

A1

GENERATOR  
STUDIO

OWNER  
DICKINSON FINANCIAL CORPORATION  
1111 MAIN STREET #1600  
KANSAS CITY, MISSOURI 64105  
816.472.5244

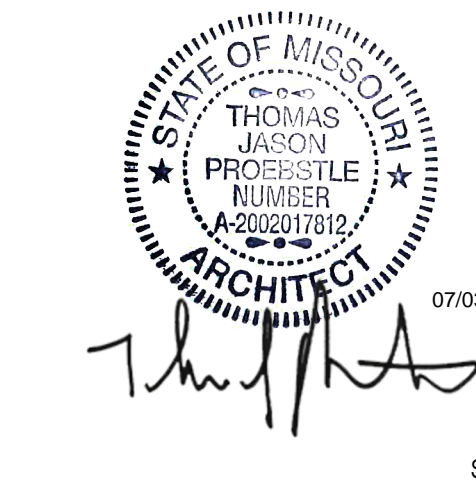
ARCHITECT  
GENERATOR STUDIO LLC  
1615 BALTIMORE AVE  
KANSAS CITY, MO 64108  
816.333.6527  
GENERATORSTUDIO.COM

CIVIL ENGINEER  
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MEP ENGINEER  
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132 KELLEY DRIVE  
ROGERS, AR 72756  
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CONTRACTOR  
SOUTHWIND GROUP  
1218 ENERGY DRIVE  
ABILENE, TX 79602  
325.695.1111  
SOUTHWINDGRP.COM

ARCHITECT: THOMAS JASON PROEBSTLE  
LICENSE NO. A-2002017812



ACADEMY BANK  
LEE'S SUMMIT

2070 NW LOWENSTEIN DR  
SUITE A  
LEE'S SUMMIT, MO 64081

FOR CONSTRUCTION  
ISSUE DATE: 07.03.2024  
REV DESCRIPTION DATE  
1 CITY COMMENTS #1 07/03/2023

PROJECT NO. 16014  
DRAWN BY: CH  
CHKD BY: PB  
SHEET TITLE

INTERIOR ELEVATIONS

A401





## ACADEMY BAN LEE'S SUMMI

2070 NW LOWENSTEIN DR  
SUITE  
LEE'S SUMMIT, MO 64086

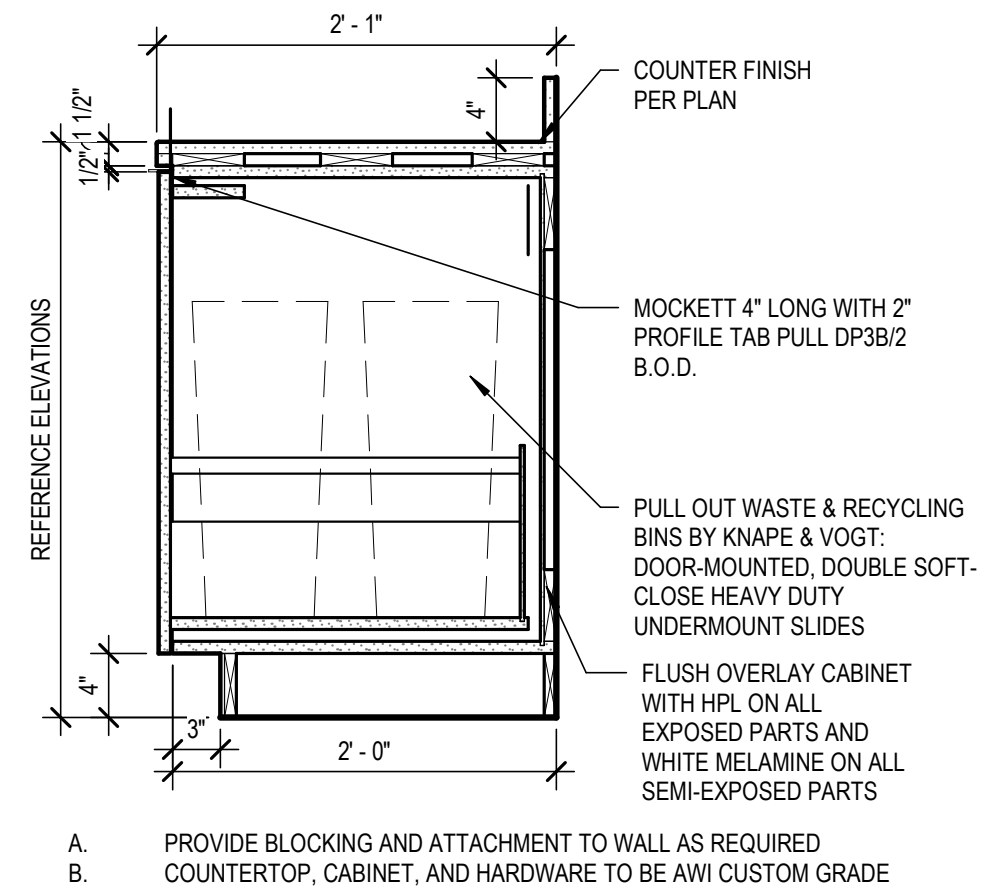
**FOR CONSTRUCTION**

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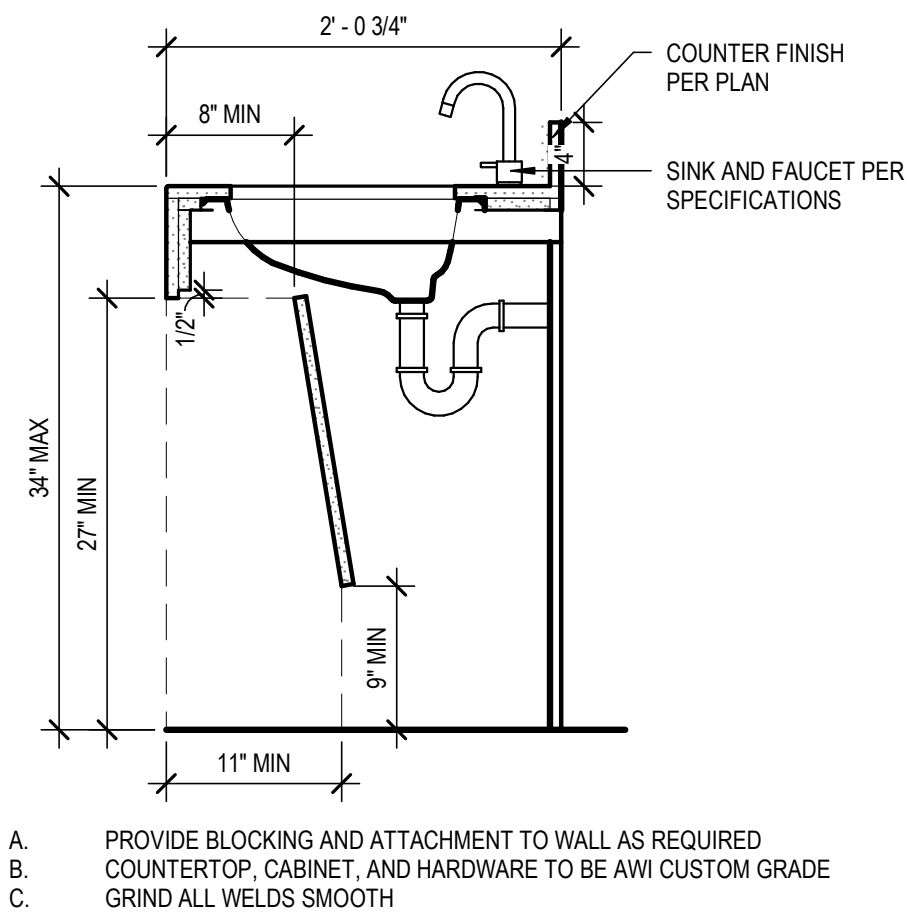
PROJECT NO.	16
DRAWN BY:	
CHK'D BY:	

## MILLWORK DETAILS

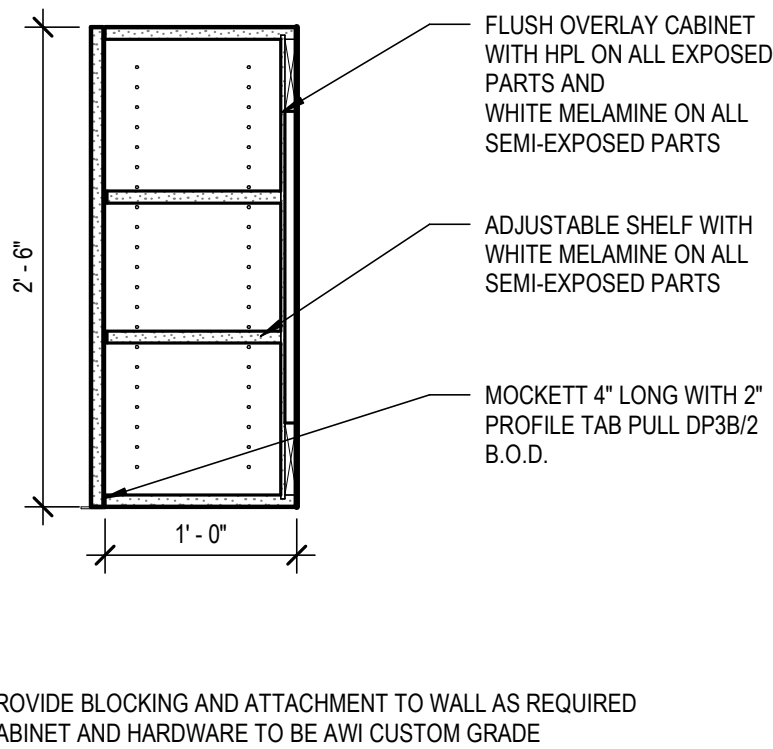
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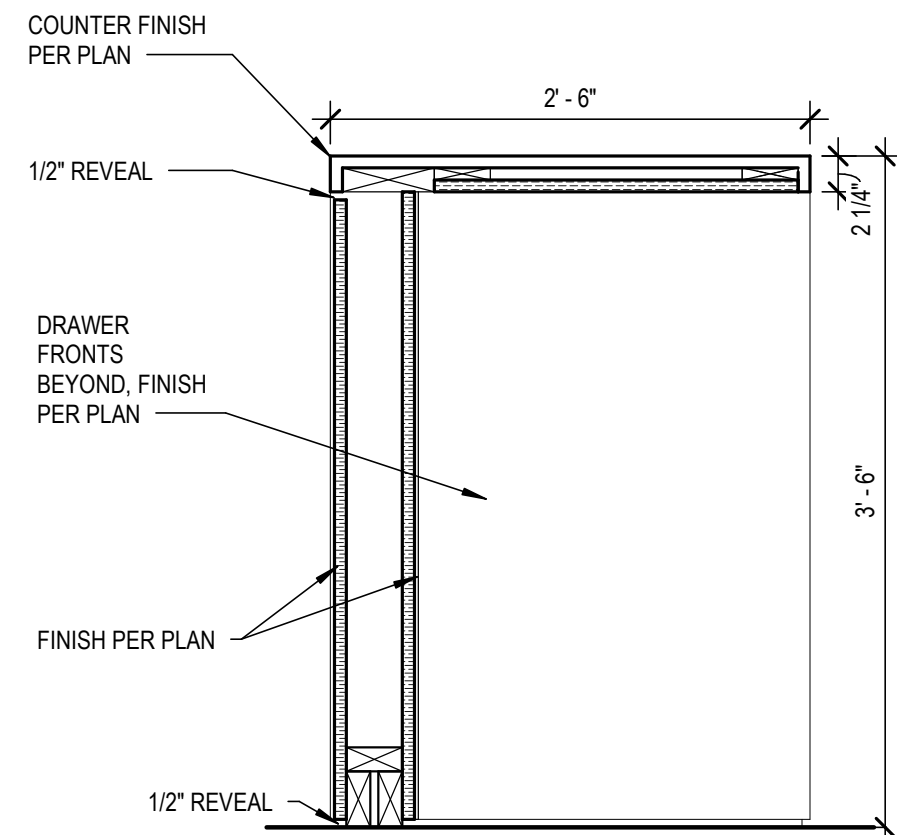
**SOLID SURFACE - TRASH PULL OUT**



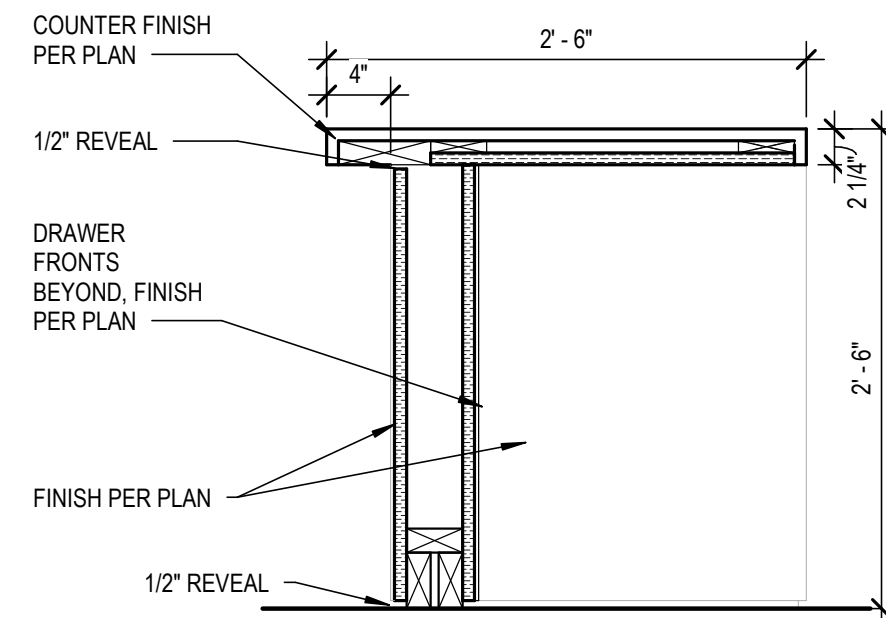
**SOLID SURFACE - SINK + REMOVABLE PANEL** | **B5**  
SCALE: 1" = 1'-0"



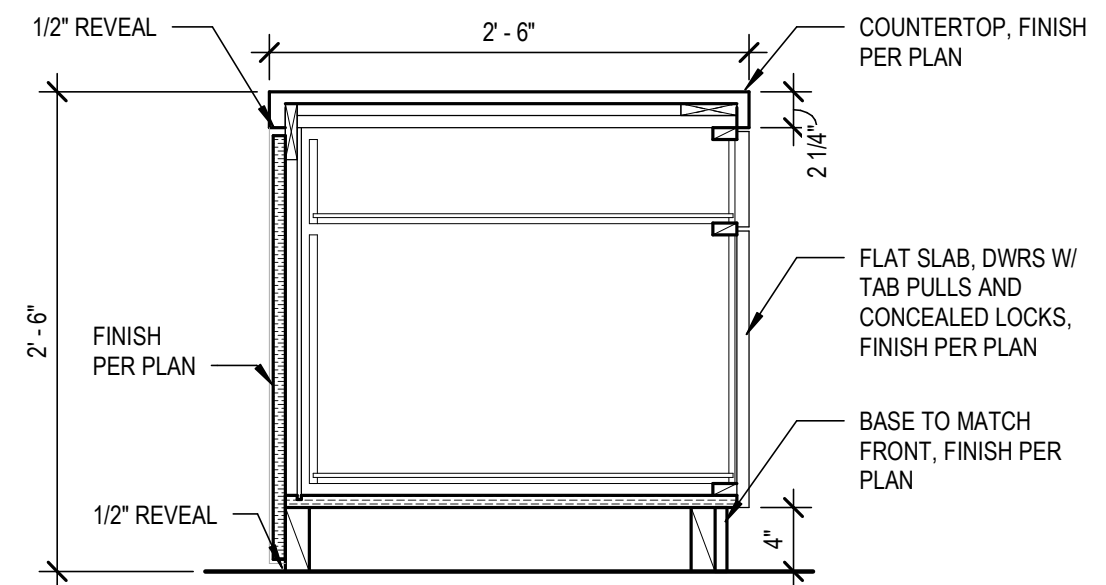
**LAMINATE - UPPER CABINET** | **B4**  
SCALE: 1" = 1'-0"



**SECTION @ TRANSACTION COUNTER** **B3**  
SCALE: 1" = 1'-0"



**SECTION @ COUNTER** **B2**  
SCALE: 1" = 1'-0"

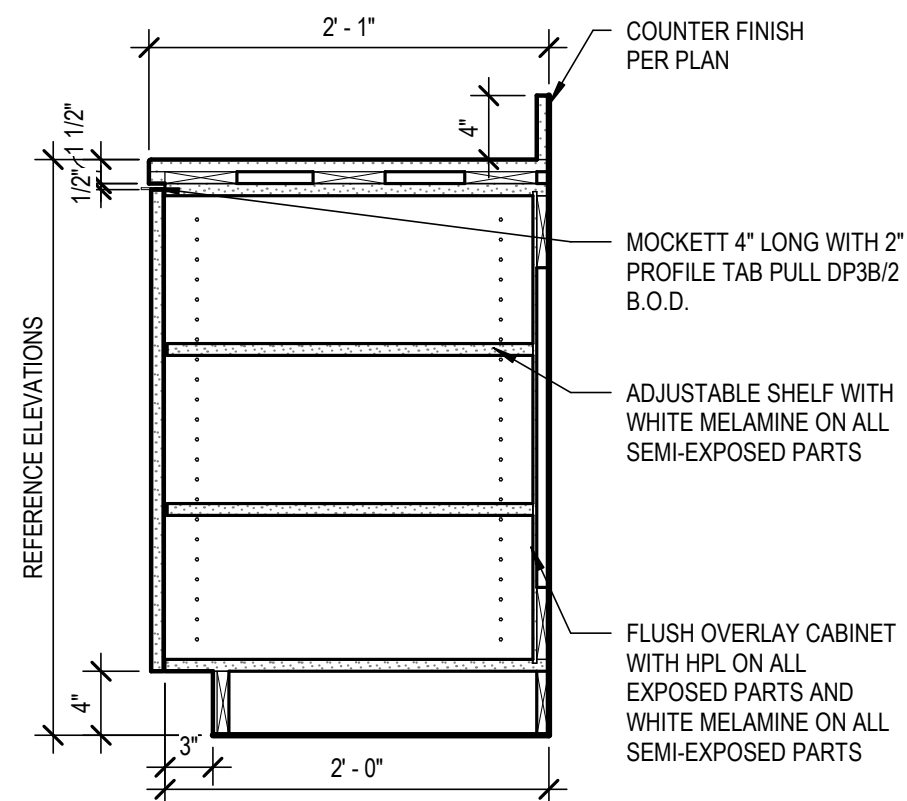


SECTION @ FILE | **B1**  
SCALE: 1" = 1'-0"

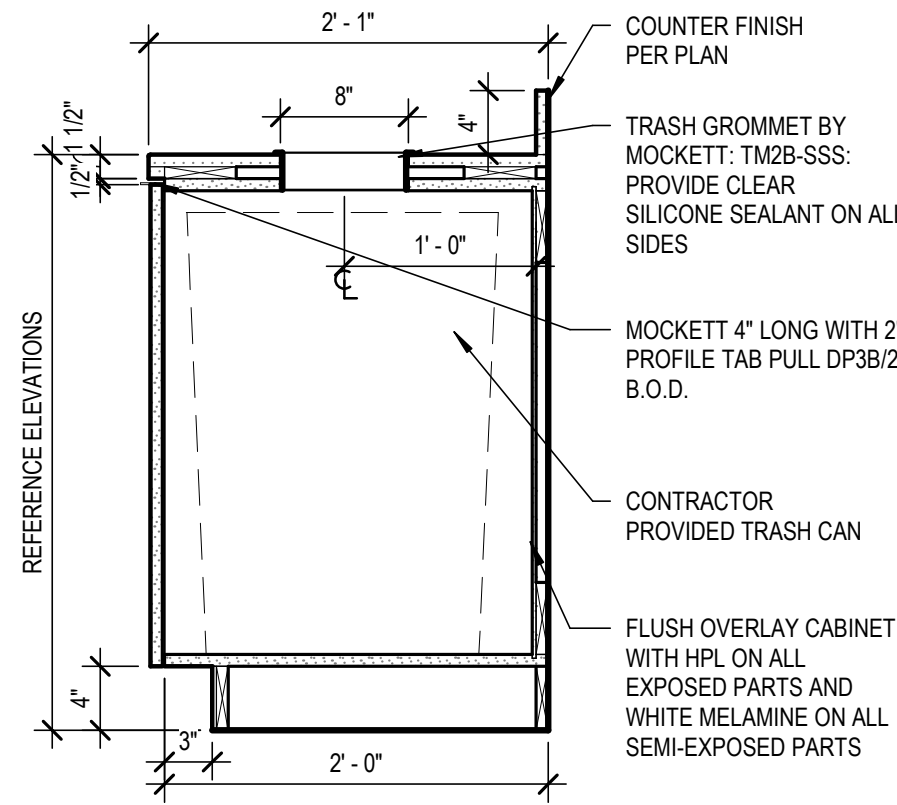
**APPLIANCE SUMMARY:**

1. ALL APPLIANCES TO BE SELECTED BY OWNER AND INSTALLED BY CONTRACTOR.
2. FINISH TO BE STAINLESS STEEL UNLESS NOTED OTHERWISE.
  - (1) UNDER COUNTER REFRIGERATOR
  - (1) 36" SIDE BY SIDE REFRIG
  - (1) UNDER COUNTER DISHWASHER
  - (1) COUNTERTOP MICROVAPE
  - (1) DISPOSAL
  - (2) FLAT SCREEN TVS - VERIFY SIZE WITH OWNER PRIOR TO PURCHASE AND INSTALLATION
3. CONTRACTOR TO PROVIDE ALL THROUGH IN & UTILITY CONNECTIONS NECESSARY FOR A FULL AND COMPLETE INSTALLATION.

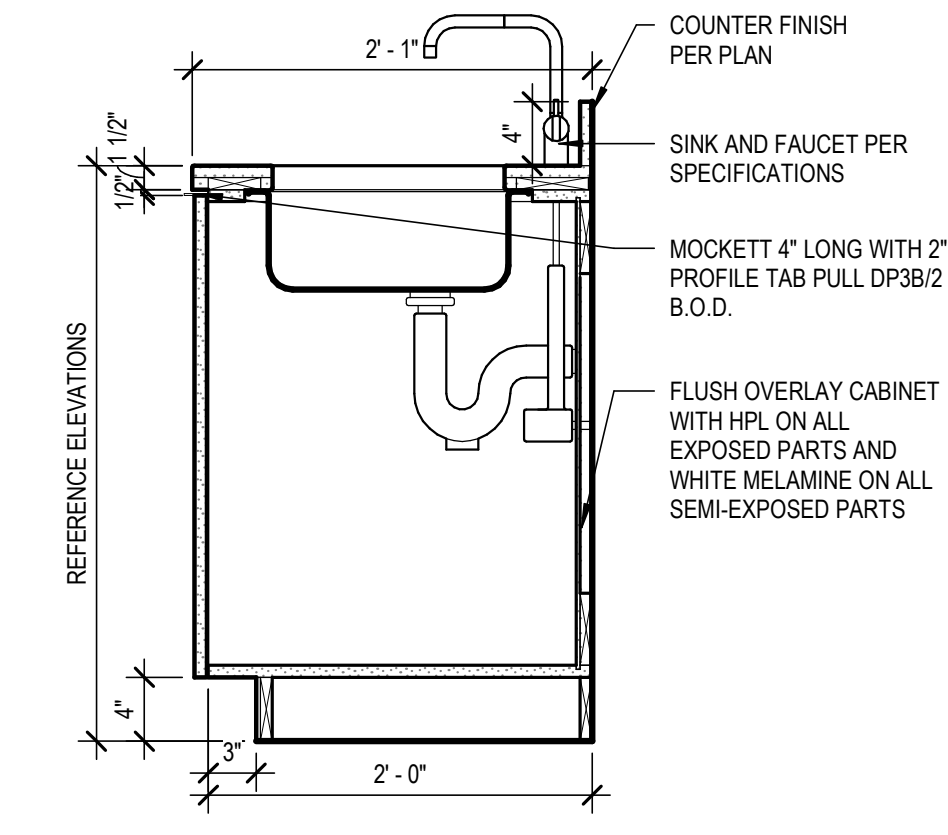
## APPLIANCE SCHEDULE



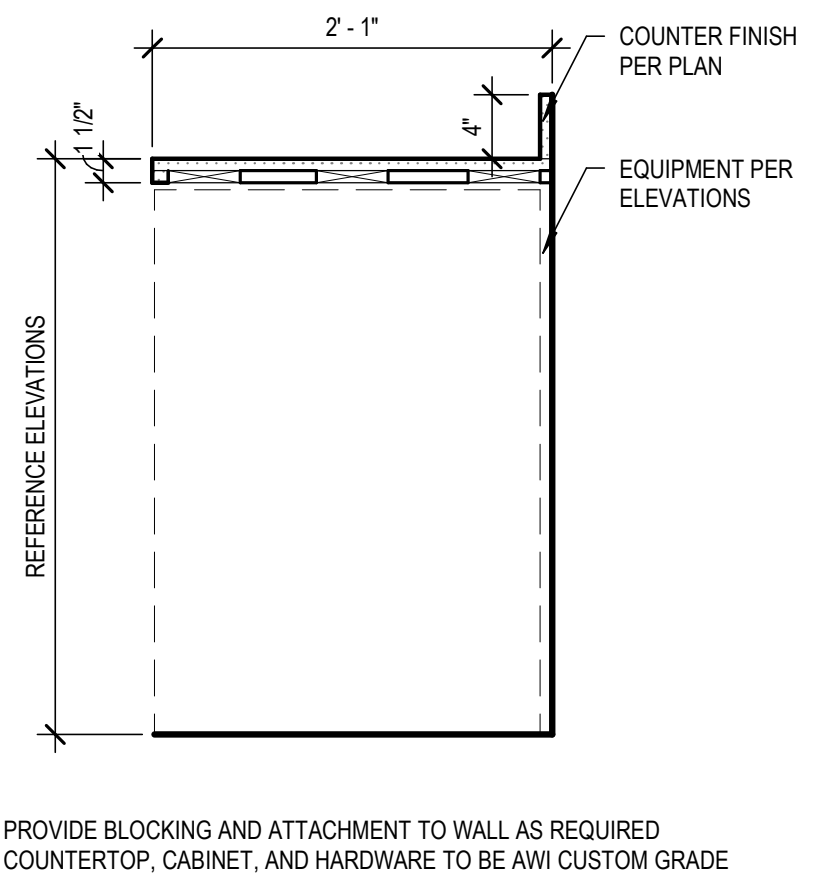
**SOLID SURFACE - BASE DOOR CABINET** | **A4**  
SCALE: 1" = 1'-0"



**SOLID SURFACE - BASE CABINET (TRASH)** | **A3**  
SCALE: 1" = 1'-0"

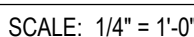


**SOLID SURFACE - BASE CABINET (SINK)** | **A2**  
SCALE: 1" = 1'-0"



**SOLID SURFACE - BASE CABINET (EQUIP)** | **A1**  
SCALE: 1" = 1'-0"



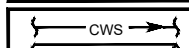
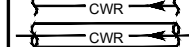
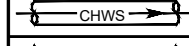
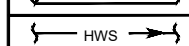
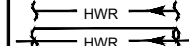
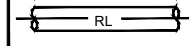



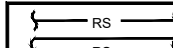
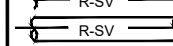
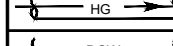
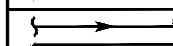
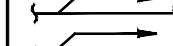
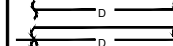
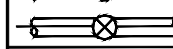
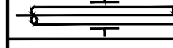






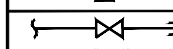
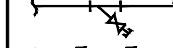
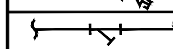
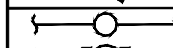
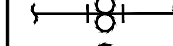

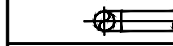

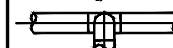
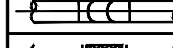
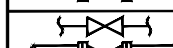
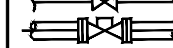



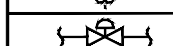
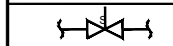
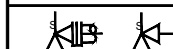

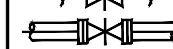
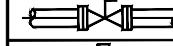


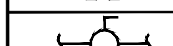







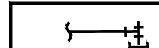
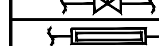
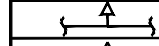
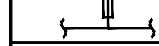
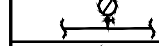
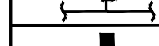
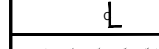
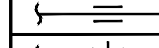
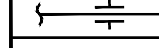
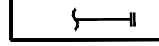


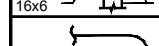
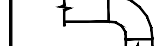

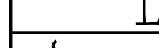

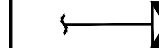
## MECHANICAL LEGEND AND ABBREVIATIONS


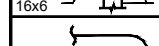
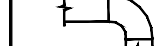

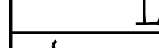

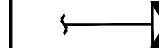

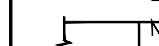
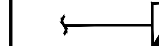


ABBREVIATIONS - MECHANICAL	
ABV	ABOVE
AC	AIR CONDITIONING UNIT
ACC	AIR COOLED CONDENSER
ACD	AUTOMATIC CONTROL DAMPER
AD	ACCESS DOOR
AHU	AIR HANDLING UNIT
AL	ACOUSTICAL LINING
ARCH	ARCHITECTURAL
ATC	AUTOMATIC TEMPERATURE CONTROL
B	BOILER
BD	BALANCING DAMPER
BDD	BACK DRAFT DAMPER
BMS	BUILDING MANAGEMENT SYSTEM
BO	BLANK OFF
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
CC	COOLING COIL
CD	CEILING DIFFUSER
CFF	CAP FOR FUTURE
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
CH	CHILLER
CO	CLEAN OUT
COMP	COMPRESSOR
CONV	CONNECTOR
CR	CEILING REGISTER
CT	COOLING TOWER
CU	CONDENSING UNIT
CW	CONDENSER WATER
DB	DRY BULB
DA	DIAMETER
DN	DOWN
DX	DIRECT EXPANSION
(E)	EXISTING TO REMAIN
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECH	ELECTRIC CABINET HEATER
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EFF	EFFICIENCY
ELEV	ELEVATOR
EHC	ELECTRIC HEATING COIL
ELH	ELECTRIC UNIT HEATER
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
F	FEET
F	FILTER
FSD	FURNISHED BY OTHERS
FC	FLEXIBLE CONNECTION (DUCT OR PIPE)
FCC	FIRE CONTROL CENTER
FCU	FAN COIL UNIT
FD	FUSIBLE LINK FIRE DAMPER W/ DUCT ACCESS DOOR
FLR	FLOOR
FLA	FULL LOAD AMPS
FPB	FAN POWERED BOX
FPI	FINS PER INCH
FRE	FIRE RATED ENCLOSURE
FSD	COMBINATION FIRE AND SMOKE DAMPER
FT	FEET
FTB	FIN TUBE RADIATOR
GLY	GLYCOL
GPM	GALLONS PER MINUTE
GK	GENERAL EXHAUST
HC	HEATING COIL
HTP	HEAT PUMP
HP	HORSE POWER
HR	HOUR
HRI	HEAT RECOVERY UNIT
HTW	HEATWHEEL
HV	HEATING AND VENTILATING UNIT
HW	HOT WATER
HK	HEAT EXCHANGER
ID	INSIDE DIMENSION
KW	KILOWATT
KWH	KILOWATT HOURS
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LINEAR DIFFUSER (CEILING, WALL, SILL OR FLOOR)
LRA	LOCK ROTOR AMPS
LWS	LOUVER WITH WIRE SCREEN
LWT	LEAVING WATER TEMPERATURE
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MH	THOUSAND BTU PER HOUR
MCC	MOTOR CONTROL CENTER
MFG	MANUFACTURER


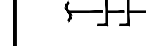
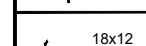
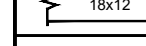
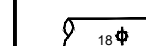
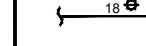
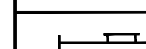
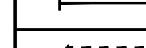
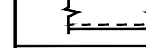
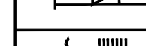
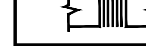

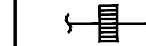
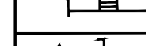
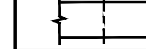
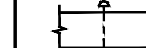
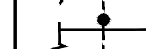

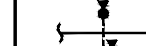
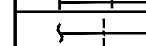
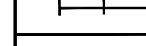
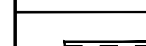


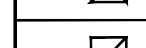


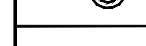
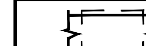
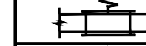
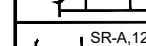
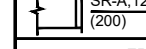
ABBREVIATIONS - MECHANICAL	
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
MLA	MAKE UP AIR UNIT
MOC	MAXIMUM OVERCURRENT PROTECTION
(N)	NEW
NC	NORMALLY CLOSED
NFA	NET FREE AREA
NIC	NOT IN THIS CONTRACT
NK	NECK
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OAI	OUTSIDE AIR INTAKE
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIMENSION
P	PUMP
PD	PRESSURE DROP
PHC	PRE-HEAT COIL
PHX	PLATE HEAT EXCHANGER
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH (GAUGE)
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
(R)	EXISTING TO BE RELOCATED
RA	RETURN AIR
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAD	SEE ARCHITECTURAL DRAWINGS
SD	SMOKE DAMPER
SF	SUPPLY FAN
SED	SEE ELECTRICAL DRAWINGS
SENS	SENSIBLE
SM	SHEET METAL
SP	STATIC PRESSURE
STP	STAIR PRESSURIZATION
SQFT	SQUARE FEET
ST	SOUND TRAP
SX	SMOKE EXHAUST
TF	TRANSFER FAN
TRD	TRANSFER DUCT
TRG	TRANSFER GRILLE
TX	TOILET EXHAUST
TYP	TYPICAL
UH	UNIT HEATER
UN	UNLESS OTHERWISE NOTED
VAR	VARIABLE
VAV	VARIABLE AIR VOLUME
VS	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WITH
WB	WET BULB
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
WO-SIZE	WALL OPENING - (SIZE)
(X)	EXISTING TO BE DEMOLISHED
(X00)	CUBIC FEET OR AIR PER MINUTE OR GALLONS PER MINUTE

PIPING LEGEND	
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	HOT WATER SUPPLY
	HOT WATER RETURN
	REFRIGERANT LIQUID PIPING

PIPING LEGEND (CONTINUED)	
	REFRIGERANT SUCTION PIPING
	REFRIGERANT-SAFETY VALVE RELIEF LINE
	HOT GAS PIPING
	DOMESTIC COLD WATER MAKE-UP
	ARROW INDICATES DIRECTION OF FLOW
	PITCH PIPE DOWN IN DIRECTION OF ARROW
	DRAIN LINE
	PIPE ANCHOR
	PIPE GUIDE
	EXPANSION COMPENSATOR
	EXPANSION LOOP (SIZE 4x8)
	FLEXIBLE BALL JOINT EXPANSION COMPENSATOR
	CONCENTRIC REDUCER (INCREASER)
	ECCENTRIC REDUCER (INCREASER)
	UNION
	CAPPED PIPE WITH SHUT-OFF VALVE
	Y-TYPE STRAINER WITH HOSE END BLOW OFF VALVE
	Y-TYPE STRAINER
	BASKET TYPE STRAINER
	DUPLEX STRAINER
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	BOTTOM PIPE CONNECTION
	TOP PIPE CONNECTION
	SLOPED CHANGE IN PIPE ELEVATION
	FLEXIBLE CONNECTION
	SHUT-OFF VALVE
	AUTOMATIC FLOW CONTROL VALVE
	CALIBRATED BALANCE VALVE
	GLOBE VALVE
	CHECK VALVE
	AUTOMATIC THREE-WAY CONTROL VALVE
	AUTOMATIC TWO-WAY CONTROL VALVE
	RELIEF VALVE
	ANGLE RELIEF VALVE
	PRESSURE REDUCING VALVE (PRV)
	LUBRICATED PLUG VALVE
	LOCKSHIELD GLOBE VALVE
	SOLENOID VALVE
	BUTTERFLY VALVE (MANUAL)
	BUTTERFLY VALVE (MOTORIZED)
	BALL VALVE
	PUMP

PIPING LEGEND (CONTINUED)	
	DIRT POCKET
	REFRIGERANT EXPANSION VALVE
	SIGHT GLASS
	VALVE IN VERTICAL
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	THERMOMETER
	PIPE SENSOR WELL (THERMOMETER)
	PRESSURE GAUGE AND COCK
	PRESSURE GAUGE WITH LOOP
	TEMPERATURE-PRESSURE TEST FITTING
	CENTER LINE
	HEAT TRACED PIPING
	PIPE SLEEVE
	BEAM PENETRATION
	PIPE GUIDE
	PIPE CAP
	PIPE BLIND FLANGE

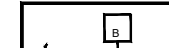
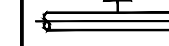
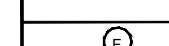
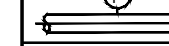
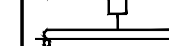

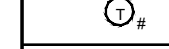
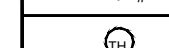
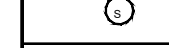
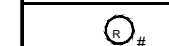


DUCTWORK LEGEND	
	DUCT SPLIT WITH SPLIT SIZE
	RADIUS ELBOW
	ELBOW WITH TURNING VANES
	RECTANGULAR BRANCH TAKEOFF WITH BALANCING DAMPER
	RECTANGULAR SUPPLY DUCT UP
	RECTANGULAR SUPPLY DUCT DOWN
	RECTANGULAR RETURN OR EXHAUST DUCT UP
	RECTANGULAR RETURN OR EXHAUST DUCT DOWN
	ROUND DUCT, UP
	ROUND DUCT, DOWN
	BEAM PENETRATION
	SLOPING RISE IN DUCTWORK

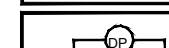
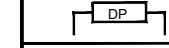
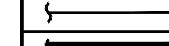
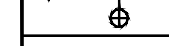
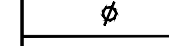
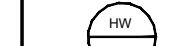
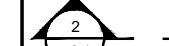

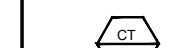

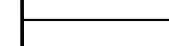
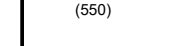

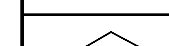
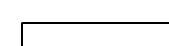

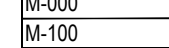


DUCTWORK LEGEND (CONTINUED)	
	SLOPING DROP IN DUCTWORK
	DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE
	ROUND DUCT DIAMETER SIZE (CLEAR INSIDE DIMENSION)
	OVAl DUCT SIZE
	SIDE, TOP OR BOTTOM DUCT ACCESS DOOR
	ACOUSTIC LINING IN DUCT (DUCT SIZE NOTED INDICATES INSIDE DIMENSIONS)
	RECTANGULAR OR SQUARE TO ROUND OR OVAL TRANSITION
	FLEXIBLE CONNECTION
	DUCT ENDCAP
	FLEXIBLE DUCT
	DUCT COIL WITH ACCESS DOOR
	VOLUME DAMPER IN DUCT
	AUTOMATIC CONTROL DAMPER
	FUSIBLE LINK FIRE DAMPER WITH DUCT ACCESS DOOR
	SMOKE DAMPER WITH DUCT ACCESS DOOR
	COMBINATION FIRE AND SMOKE DAMPER WITH DUCT ACCESS DOOR
	BACK DRAFT DAMPER WITH DUCT ACCESS DOOR
	LINEAR DIFFUSER
	LINEAR DIFFUSER WITH PLENUM
	CEILING DIFFUSER
	CEILING DIFFUSER WITH FLEXIBLE DUCT CONNECTION
	RETURN/EXHAUST REGISTER OR GRILLE
	ROUND CEILING DIFFUSER WITH FLEXIBLE DUCT CONNECTION
	ROUND CEILING DIFFUSER
	FLOOR SWIRL DIFFUSER
	FIRE RATED ENCASED DUCT
	TRANSFER GRILLES ON BOTH SIDES OF PARTITION OR WALL (SIZE)
	WALL OPENING ABOVE HUNG CEILING (SIZE)
	SUPPLY REGISTER WITH AIR OUTLET DEVICE DESIGNATION
	RETURN OR EXHAUST REGISTER OR GRILLE WITH AIR INLET DEVICE DESIGNATION
	TERMINAL UNIT WITH/WITHOUT HEATING COIL
	FAN POWERED TERMINAL UNIT WITH/WITHOUT HEATING COIL

## APPLICABLE CODES

## CODES:

- 2018 INTERNATIONAL MECHANICAL CODE
- COMPLY WITH LOCAL JURISDICTION REQUIREMENTS

CONTROLS LEGEND	
	TOTALIZING BTU METER
	EMERGENCY BREAK GLASS SWITCH FOR EQUIPMENT SHUT-DOWN
	FLOW MEASURING STATION
	FLOW SWITCH
	CARBON MONOXIDE SENSOR WITH ZONE DESIGNATION
	CARBON DIOXIDE SENSOR WITH ZONE DESIGNATION
	TEMPERATURE SENSOR/THERMOSTAT WITH ZONE OR EQUIPMENT DESIGNATION
	HUMIDISTAT/HUMIDITY SENSOR WITH HUMIDIFIER DESIGNATION
	COMBINATION TEMPERATURE/HUMIDITY SENSOR
	DUCT SMOKE DETECTOR SUPPLIED BY ELECTRICAL TRADE, INSTALLED BY MECHANICAL TRADE
	STATIC PRESSURE SENSOR WITH DESIGNATION
	REFRIGERANT SENSOR WITH DESIGNATION

MISCELLANEOUS	
	DIFFERENTIAL PRESSURE SENSOR
	DIFFERENTIAL PRESSURE SWITCH
	NEW WORK
	EXISTING WORK
	EXISTING WORK TO BE REMOVED
	POINT OF NEW CONNECTION TO EXISTING WORK
	OVAL
	DIAMETER
	UNDERCUT DOOR
	RISER DESIGNATION
	RISER NUMBER
	SECTION DESIGNATION
	DETAIL DESIGNATION
	EQUIPMENT DESIGNATION
	EQUIPMENT TYPE, EQUIPMENT FLOOR AND NUMBER
	TERMINAL DESIGNATION
	AIR OUTLET/INLET DEVICE DESIGNATION
	LINEAR DIFFUSER DEVICE DESIGNATION
	KEYNOTE

MECHANICAL DRAWING LIST	
SHEET NUMBER	SHEET NAME
M-000	MECHANICAL LEGEND & ABBREVIATIONS
M-100	MECHANICAL FLOOR PLAN & SCHEDULES
M-700	MECHANICAL SPECIFICATIONS

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## OWNER

DICKINSON FINANCIAL CORPORATION  
1111 MAIN STREET #1600  
KANSAS CITY, MO 64105  
816.472.5244

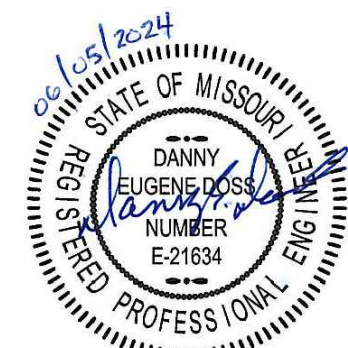
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816.333.6527  
GENERATORSTUDIO.COM

## CONTRACTOR

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1218 ENERGY DRIVE  
ABILENE, TX 79602  
325.696.1111  
SOUTHWINDGRP.COM

ARCHITECT: MIKE KRESS  
LICENSE NO. 5715



SEAL

ACADEMY BANK  
BRANCH:  
LEE'S SUMMIT

2070 NW Lowenstein Dr  
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LEE'S SUMMIT, MO 64081

## PERMIT SET

ISSUE DATE: 05.30.24  
REV DESCRIPTION DATE

PROJECT NO. 16014  
DRAWN BY:  
CHKD BY:  
SHEET TITLE

M-000

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MOUNTING HEIGHT SCHEDULE	
FIXTURE	DIMENSION
TOILET SEATS (ADA)	17" - 19" AFF TOP OF SEAT MAX.
LAVATORIES (ADA)	34" AFF TO RIM, 29" MIN. TO BOTTOM OF APRON
DRINKING FOUNTAIN (ADA)	36" AFF TO SPOUT

# WATER SUPPLY CALCULATION

SITE LOCATION: LEE SUMMIT, MISSOURI		FIXTURE UNIT CALCULATION	
STATIONIC PRESSURE:		70 PSI (ASSUMED)	(1) WC    5 x 1 = 5
TOTAL F.U.:		17	(3) LAV    2 x 3 = 6
GPM: BUILDING USAGE		14	(1) MS    3 x 1 = 3
GPM: IRRIGATION USAGE		0	
TOTAL PROJECTED WATER USAGE		17 GPM	
WATER METER:		3/4"	
<hr/>			
70 PSI	PRESSURE IN MAIN		
- 5 PSI	LOSS THROUGH 3/4" METER		
- 2 PSI	LOSS THROUGH 10' PIPE		TOTAL F.U. = 14
- 20 PSI	PIPE OPERATING PRESSURE		
- 5.2 PSI	DROP FOR ELEVATION (112 FT.)		
- 15 PSI	BACKFLOW PREVENTER		
25.8 PSI	AVAILABLE PRESSURE		
<hr/>			
PIPE LENGTH (TAP TO METER)	50 FT. (ESTIMATED)		
PIPE LENGTH (METER TO BUILDING)	30 FT. (ESTIMATED)		
PIPE LENGTH (TO FURTHEST FIXTURE)	145 FT.		
VERTICAL LENGTH	10 FT.		
EQUIVALENT LENGTH OF FITTINGS	55 FT.		
TOTAL DEVELOPED LENGTH	290 FT.		
<hr/>			
MAX. ALLOWED LOSS = AVAILABLE PRESSURE: 25.8 PSI			
PSI PER 100 FT. OF PIPE	TOTAL DEVELOPED LENGTH: 290 FT.	x 100 =	8.9 PSI/100 FT.
WATER SERVICE FROM EXISTING METER SHALL BE 1 1/4"			
AS SHOWN ON DETAIL "2" SHEET P600.			

WATCAL

THERMAL EXPANSION TANK SCHEDULE					
MARK	MANUFACTURER MODEL	TOTAL VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	MAXIMUM WORKING PRESSURE	FACTORY PRECHARGE (PSI)
ET-1	WATTS DETA-5	3.5	2.3	150 PSIG	40

PLUMBING FIXTURE SCHEDULE									
MARK	FIXTURE	MFR	CATALOG NUMBER	TRIM	RUNOUT SIZES (MINIMUM)				NOTES
					CW	HW	WASTE	VENT	
P1	ELONGATED FLUSH-TANK TOILET	KOHLER	ELMBROOK K-45983	BREVIA QUICK RELEASE ELONGATED TOILET SEAT	1/2"	----	3"	2"	B,C,E,F
P2	WALL-MOUNT BATHROOM LAVATORY WITH SHROUD	KOHLER	K-1999-SS1	KOHLER K-13469 GEOMETRIC INSIGHT TOUCHLESS FAUCET WITH KOHLER K-13481 MULTI-OUTLET POWER SUPPLY. CONTRACTOR SHALL FURNISH AND INSTALL A WATTS LFMMV- MIXING VALVE TO SERVE THE FAUCETS (SET TO 110 F).	1/2"	1/2"	1 1/2"	1 1/2"	A,B,C,D,E,G
P3	UNDER COUNTER LAVATORY	BLANCO	518478	FAUCET: MOEN S62308	1/2"	1/2"	1 1/2"	1 1/2"	A,B,D,G
P4	SERVICE SINK	FIAT	FL7TG100	FIBERGLASS REINFORCED POLYESTER RESIN. COMES WITH MOUNTING LEGS, HARDWARE, P-TRAP, SUPPLY LINE, CHROME PLATED FAUCET, TAILNUT AND STOPPER.	3/4"	3/4"	3"	1 1/2"	A,B,
P5	UNDER COUNTER LAVATORY	BLANCO	518478	FAUCET: MOEN S62308	1/2"	1/2"	1 1/2"	1 1/2"	A,B,D,G

NOTES:  
A. CHROME PLATED BRASS "P" TRAP.  
B. FLEXIBLE SUPPLIES WITH KEYED STOPS.  
C. ACCEPTABLE MANUFACTURERS ARE AMERICAN STANDARD, ELJER, AND KOHLER.  
D. HOT WATER LINE SHALL BE INSULATED BETWEEN WALL AND FIXTURE.  
E. FIXTURES SHALL BE WHITE COLOR UNLESS OTHERWISE NOTED.  
F. HANDICAP WATER CLOSETS SHALL HAVE FLUSH HAND ON WIDE SIDE OF TOILET STALL. COORDINATE WITH GRAB-BARS.  
G. CONTRACTOR SHALL FURNISH AND INSTALL WATTS LFMMV- MIXING VALVES TO SERVE THE FAUCETS (SET TO 110 F).

ELECTRIC WATER HEATER					
MARK	MANUFACTURER MODEL	INPUT KW TANK SIZE	VOLTZ HERTZ PHASE	RECOVERY, GPH RISE DEGREES F.	NOTES
WH-1	AO SMITH DEL - 20	4.5 KW 20 GAL.	208 V 60 HZ 1 PH	18 100	1,2,3
NOTES: 1. VERIFY VOLTAGE WITH ELECTRICAL CONTRACTOR. 2. FURNISHED AND INSTALLED BY CONTRACTOR. 3. CONTRACTOR SHALL FURNISH AND INSTALL VACUUM BREAKER.					

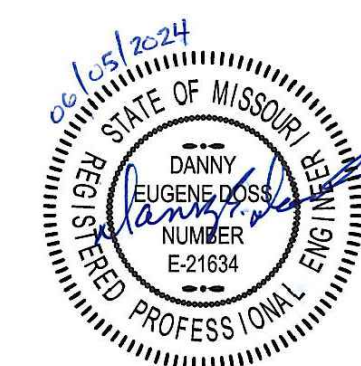
NOTES:

1. VERIFY VOLTAGE WITH ELECTRICAL CONTRACTOR.
2. FURNISHED AND INSTALLED BY CONTRACTOR.
3. CONTRACTOR SHALL FURNISH AND INSTALL VACUUM BREAKER.

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 THE ATTENTION OF THE ARCHITECT  
 AND COST SAVING MEASURES OR  
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 APPROVED BY THE ARCHITECT, OWNER  
 AND THE ARCHITECT FOR REVIEW.  
 ANY REQUESTED CHANGES DUE TO  
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 FAILURE TO VISIT THE SITE PRIOR  
 TO BID, SHALL NOT BE AUTHORIZED  
 OR COMPENSATED. COORDINATE  
 ALL CONDITIONS WITH THE ARCHITECT  
 PRIOR TO START OF  
 CONSTRUCTION. LAYOUT ALL  
 EQUIPMENT AND MATERIALS TO  
 ENSURE PROPER SPACE AND  
 CLEARANCES ARE AVAILABLE.  
 CONTRACT ARCHITECT IMMEDIATELY

**CONTRACTOR**  
SOUTHWIND GROUP  
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LICENSE NO.	5715



SEAL

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BRANCH:  
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PERMIT SET

ISSUE DATE:	05.30.24
REV	DESCRIPTION
	DATE

PROJECT NO.	16014
DRAWN BY:	
CHK'D BY:	
SHEET TITLE	

P-100

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# P-600



SANITARY DRAIN, WASTE, AND VENT PIPING SYSTEM  
SECTION 15411

PART 1 GENERAL

1.01 WORK INCLUDED:

- A. UNDERGROUND DRAIN AND VENT PIPING.  
B. ABOVE GROUND DRAIN, WASTE, AND VENT PIPING.  
C. SANITARY SEWER SERVICE PIPING.  
D. CONDENSATION DRIP AND OVERFLOW PIPING.  
E. CLEANOUTS.  
F. FLOOR DRAINS.

1.02 RELATED WORK:

- A. SECTION 15000 GENERAL MECHANICAL REQUIREMENTS.

1.03 SUBMITTALS:

- A. SUBMIT MANUFACTURER'S DATA SHEETS ON CLEAN OUTS AND FLOOR DRAINS.  
B. SUBMIT LIST OF PIPING PRODUCTS TO BE USED FOR THE LISTED SERVICES AND STATE THEIR MANUFACTURERS, CLASSES OR TYPES, AND OTHER APPLICABLE DATA.  
C. SUBMIT RECORD DRAWINGS INDICATING ACTUAL LOCATION AND ROUTING OF INSTALLED PIPING.  
D. SUBMIT SHOP DRAWINGS ON MANHOLES INDICATING MANUFACTURED ITEMS, REINFORCING STEEL REQUIREMENTS, ETC.

PART 2 PRODUCTS

2.01 PIPING:

- A. UNDERGROUND DRAIN AND VENT PIPING INSIDE BUILDING AND TO FIVE FEET OUTSIDE BUILDING:  
1. SCHEDULE 40 PVC PIPE AND FITTINGS.  
B. ABOVE GROUND DRAIN AND VENT PIPING:  
1. SCHEDULE 40 PVC PIPE AND FITTINGS.  
C. WASTE ARMS FOR LAVATORIES, SINKS, AND URINALS:  
1. DWV COPPER PIPE WITH CAST BRASS ADAPTERS AND WROUGHT COPPER FITTINGS AND JOINTS MADE WITH 50-50 SOLDER.  
2. SCHEDULE 40 GALVANIZED STEEL PIPE WITH SCREWED FITTINGS (OPTIONAL).  
D. UNDERGROUND SEWER PIPING OUTSIDE BUILDING TO SEWER MAIN:  
1. SCHEDULE 40 PVC PIPE AND FITTINGS.  
E. CONDENSATION DRIP AND OVERFLOW PIPING: SOLVENT-CEMENT WELD.

2.02 CLEAN OUTS:

- A. PROVIDE CLEAN OUTS COMPATIBLE WITH TYPE OF DRAIN PIPING TO WHICH IT IS CONNECTED. PROVIDE COVERS COMPATIBLE WITH TYPE OF FLOOR OR WALL FINISH WITH CONSIDERATION GIVEN TO TRAFFIC CONDITIONS. MAKE CLEAN OUTS SAME SIZE AS PIPE THROUGH 4 INCHES.  
B. FLOOR CLEAN OUT (FCO): CAST IRON WITH TAPERED BRASS PLUG, THREADED ADJUSTABLE HOUSING, AND ROUND NICKEL BRONZE SCORATED TOP.  
C. CLEAN OUT TO GRADE (COTG): SAME AS FCO EXCEPT WITH HEAVY DUTY CAST IRON SCORATED TOP. SET COTG IN 10-INCH DIAMETER CONCRETE BASE 4-INCHS THICK AND FLUSH WITH FINISHED GRADE.

2.03 FLOOR DRAINS:

- A. STANDARD FLOOR DRAIN (FD): LACQUERED CAST IRON BODY WITH FLANGE, CLAMPING COLLAR WITH SEEPAGE OPENINGS, AND ADJUSTABLE SQUARE SATIN BRONZE STRAINER. FLOOR DRAINS ARE 2 INCHES UNLESS SHOWN OTHERWISE.

PART 3 EXECUTION

3.01 PREPARATION:

- A. SWAB PIPES AND CLEAN JOINTS AND FITTINGS INSIDE AND OUT PRIOR TO MAKING CONNECTIONS. USE PROPER LUBRICANTS ON COMPRESSION GASKETS.

3.02 INSTALLATION:

- A. UNLESS INDICATED OTHERWISE ON THE DRAWINGS, SLOPE HORIZONTAL DRAIN AND VENT PIPING IN ACCORDANCE WITH THE FOLLOWING:

SIZE	MINIMUM SLOPE
3" AND SMALLER	1/4" PER FOOT
4" AND LARGER	1/8" PER FOOT

- B. BURY ALL UNDERGROUND OUTSIDE SEWER PIPE A MINIMUM OF 2 FEET FROM FINISHED GRADE.

- C. MAKE CLEAN OUT FREE FROM LEAKS. LUBRICATE CLEAN OUT PLUGS WITH MIXTURE OF GRAPHITE AND LINSEED OIL AND DO NOT OVER TIGHTEN.

- D. ARRANGE WITH LOCAL UTILITY FOR SEWER TAP AND PAY ALL COSTS TO ESTABLISH SEWER SERVICE.

3.03 TESTING:

- A. BEFORE CONCEALING, TEST DRAIN, WASTE, AND VENT SYSTEM AND PROVE LEAK FREE:

1. WATER TEST - SUBJECT SYSTEM TO AT LEAST 10 FEET OF HYDROSTATIC HEAD FOR 30 MINUTES.  
2. AIR TEST - SUBJECT SYSTEM TO AT LEAST 5 PSIG AIR PRESSURE FOR 30 MINUTES. (OPTIONAL)

END OF SECTION

DOMESTIC WATER PIPING SYSTEM  
SECTION 15412

PART 1 GENERAL

1.01 WORK INCLUDED:

- A. WATER SERVICE PIPING.  
B. HOT AND COLD WATER PIPING.  
C. TEMPERATURE AND PRESSURE (T & P) RELIEF PIPING.  
D. VALVES.  
E. SHOCK SUPPRESSORS.

1.02 RELATED WORK:

- A. SECTION 15000 GENERAL MECHANICAL REQUIREMENTS.  
B. SECTION 15005 MECHANICAL INSULATION.

1.03 SUBMITTALS:

- A. SUBMIT MANUFACTURER'S DATA SHEETS ON VALVES AND SHOCK SUPPRESSORS.  
B. SUBMIT LIST OF PIPING PRODUCTS TO BE USED AND STATE THEIR MANUFACTURERS, CLASSES OR TYPES, AND OTHER APPLICABLE DATA.  
C. SUBMIT SHOP DRAWINGS OF SHOCK SUPPRESSORS LAYOUT PROPOSED.  
D. SUBMIT RECORD DRAWINGS INDICATING ACTUAL LOCATION AND ROUTING OF INSTALLED PIPING.  
E. SUBMIT CERTIFICATE OF COMPLETION OF CHLORINATION.

PART 2 PRODUCTS

2.01 PIPING:

- A. FOR UNDERGROUND WATER SERVICE PIPING OUTSIDE BUILDING TO WATER METER:  
1. ASTM B88 TYPE AS INDICATED ON DRAWINGS HARD COPPER TUBING WITH WROUGHT COPPER FITTINGS AND JOINTS MADE WITH 95-5 SOLDER.  
2. THICKNESS CLASS 50, CEMENT LINED, SEAL COATED, HUB AND SPIGOT TYPE DUCTILE IRON WITH JOINTS MADE WITH RUBBER COMPRESSION RINGS MANUFACTURED FOR THE PURPOSE. (OPTIONAL)  
B. FOR UNDERGROUND WATER PIPING INSIDE BUILDING AND TO FIVE FEET OUTSIDE BUILDING  
1. 1" AND SMALLER - ASTM B88 TYPE AS INDICATED ON DRAWINGS SOFT COPPER TUBING WITH NO FITTINGS OR JOINTS PERMITTED UNDER SLAB. MAKE CONNECTIONS ABOVE SLAB USING WROUGHT COPPER FITTINGS AND 95-5 SOLDER.  
2. 1-1/4" AND LARGER - ASTM B88 TYPE AS INDICATED ON DRAWINGS HARD COPPER TUBING WITH WROUGHT COPPER FITTINGS AND JOINTS MAKE WITH SIL-FOS SOLDER (15% SILVER CONTENT).  
C. FOR EXPOSED PIPING IN TOILET ROOMS AND OTHER FINISHED AREAS, USE CHROME PLATED BRASS PIPE WITH THREADED FITTINGS.  
D. FOR ABOVE GROUND WATER AND T & P RELIEF PIPING INSIDE BUILDING, USE ASTM B88 TYPE AS INDICATED ON DRAWINGS HARD COPPER TUBING WITH WROUGHT COPPER FITTINGS AND JOINTS MADE WITH 95-5 SOLDER.  
E. SOLDER CONTAINING LEAD SHALL NOT BE USED ON POTABLE WATER SYSTEMS.

2.02 VALVES:

- A. PROVIDE VALVES WITH SUITABLE MATERIALS INCLUDING DISC, PLUGS, BALLS, GASKETS, LININGS, AND LUBRICANTS FOR THE SERVICE, TEMPERATURE, AND PRESSURE TO WHICH THEY WILL BE EXPOSED. FURNISH WITH SOLDER OR SCREWED CONNECTIONS.  
B. GATE VALVES: BRONZE, NON-RISING STEM, INSIDE CREW, DOUBLE WEDGE.  
C. GLOBE OR ANGLE VALVES: BRONZE, RISING STEM, INSIDE CREW, RENEWABLE COMPOSITION DISC.  
D. CHECK VALVES: BRONZE WITH SWING DISC.  
E. FREEZE PROOF HOSE BIBBS (FPHB): 3/4" ANTI-SIPHON NON-FREEZE TYPE WITH BRONZE CASING AND BOX WITH LOOSE KEY HANDLE. FURNISH FOR PROPER WALL THICKNESS.

PART 3 EXECUTION

3.01 PREPARATION:

- A. REAM PIPES AND TUBING AND THOROUGHLY CLEAN INSIDE AND OUTSIDE PRIOR TO CONNECTING.  
B. BURY ALL UNDERGROUND OUTSIDE PIPING A MINIMUM OF 3 FEET BELOW FINISHED GRADE.  
C. USE ELECTRICALLY INSULATING TYPE CONNECTIONS FOR JOINING DISSIMILAR METALS SUCH AS BRASS VALVES OR ADAPTERS OR INSULATING COUPLINGS.  
D. USE PROPER ADAPTERS FOR SCREWED VALVES TO COPPER PIPING.  
E. USE TEFLON TAPE OR OTHER APPROVED JOINTS COMPOUND TO CONNECT THREADED PIPE.  
F. CONNECT TO T & P RELIEF VALVE AND EXTEND FULL SIZE TO APPROVED DISCHARGE POINT.  
G. WHERE PIPE PASSES THROUGH FINISHED WALL, CEILING, OR FLOOR, PROVIDE CHROME PLATED ESCUTCHEON PLATE SECURELY ANCHORED TO PIPE. INSTALL PIPE SO THAT NO THREADS SHOW.  
H. ARRANGE WITH LOCAL UTILITY FOR WATER TAP AND METER INSTALLATION. PAY ALL COSTS TO ESTABLISH WATER SERVICES.

3.02 INSTALLATION:

- A. SLOPE WATER PIPING MINIMUM OF 1 INCH IN 40 FEET AND ARRANGE TO DRAIN AT ALL LOW POINTS.  
B. BURY ALL UNDERGROUND OUTSIDE PIPING A MINIMUM OF 3 FEET BELOW FINISHED GRADE.  
C. USE ELECTRICALLY INSULATING TYPE CONNECTIONS FOR JOINING DISSIMILAR METALS SUCH AS BRASS VALVES OR ADAPTERS OR INSULATING COUPLINGS.  
D. USE PROPER ADAPTERS FOR SCREWED VALVES TO COPPER PIPING.  
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F. CONNECT TO T & P RELIEF VALVE AND EXTEND FULL SIZE TO APPROVED DISCHARGE POINT.  
G. WHERE PIPE PASSES THROUGH FINISHED WALL, CEILING, OR FLOOR, PROVIDE CHROME PLATED ESCUTCHEON PLATE SECURELY ANCHORED TO PIPE. INSTALL PIPE SO THAT NO THREADS SHOW.  
H. ARRANGE WITH LOCAL UTILITY FOR WATER TAP AND METER INSTALLATION. PAY ALL COSTS TO ESTABLISH WATER SERVICES.

3.02 INSTALLATION CONTINUED:

- I. INSTALL GATE VALVE TO ISOLATE OR SHUT-OFF EQUIPMENT OR BRANCH LINES. USE GLOBE VALVES WHERE ADJUSTABLE FLOW OR THROTTLING IS REQUIRED.  
J. INSTALL HOSE BIBBS CENTERLINE, 2 FEET ABOVE FLOOR OR GRADE. INSTALL GARBAGE CAN WASH VALVE 4 FEET ABOVE FLOOR OR DRAIN.  
K. PROVIDE PRV TO LIMIT MAXIMUM STATIC PRESSURE AT PLUMBING FIXTURES TO 70 PSIG. SUBMIT PRESSURE DATA TAKEN AT DIFFERENT TIMES AS APPROVED OR INSTALL PRV AT SERVICE CONNECTION OR IN BUILDING. PROVIDE PRV AT OTHER SEPARATE FIXTURES WHEN SHOWN ON DRAWINGS.  
L. MAKE PROVISIONS NECESSARY TO PREVENT CROSS CONNECTIONS WITH SANITARY DRAINAGE SYSTEM OR OTHER NON-POTABLE SOURCES. PROVIDE REDUCED PRESSURE TYPE BACKFLOW PREVENTERS WHEN REQUIRED.

3.03 TESTING:

- A. BEFORE CONCEALING OR INSULATING, TEST DOMESTIC WATER PIPING AND PROVE LEAK FREE. SUBJECT SYSTEM TO MINIMUM HYDROSTATIC PRESSURE OF 100 PSIG AND HOLD FOR ONE HOUR.

3.04 STERILIZATION:

- A. AFTER TESTS HAVE BEEN SUCCESSFULLY COMPLETED, THOROUGHLY FLUSH AND STERILIZE THE COMPLETED DOMESTIC WATER SYSTEM IN ACCORDANCE WITH AWWA C601.  
B. FLUSH ENTIRE SYSTEM AFTER STERILIZATION UNTIL RESIDUAL CHLORINE CONTENT IS NO GREATER THAN 0.2 PARTS PER MILLION.  
C. CHLORINATE ONLY WHEN THE BUILDING IS UNOCCUPIED.

END OF SECTION

NATURAL GAS PIPING SYSTEM  
SECTION 15413

PART 1 GENERAL

1.01 WORK INCLUDED:

- A. UNDERGROUND NATURAL GAS SERVICE PIPING.  
B. INTERIOR NATURAL GAS PIPING.  
C. EXTERIOR EXPOSED NATURAL GAS PIPING.  
D. CONNECTORS FOR APPLIANCES AND OTHER EQUIPMENT.  
E. COCKS.

1.02 RELATED WORK:

- A. SECTION 15000 GENERAL MECHANICAL REQUIREMENTS.

1.03 SUBMITTALS:

- A. SUBMIT MANUFACTURER'S DATA SHEETS ON GAS COCKS.  
B. SUBMIT LIST OF PIPING PRODUCTS TO BE USED AND STATE THEIR MANUFACTURERS, CLASSES OR TYPES, AND THERE APPLICABLE DATA.  
C. SUBMIT RECORD DRAWINGS INDICATING ACTUAL LOCATION AND ROUTING OF PIPING AS INSTALLED.

1.04 QUALITY ASSURANCE:

- A. CONFORM TO ASME CODE AND APPLICABLE STATE REGULATIONS WITH ALL WELDING MATERIALS AND WELDING OPERATOR'S QUALIFICATIONS. USE ONLY OPERATORS FULLY QUALIFIED AND CERTIFIED UNDER THE REQUIREMENTS OF THE ARKANSAS GAS PIPELINE CODE (APGC).

PART 2 PRODUCTS

2.01 PIPING:

- A. UNDERGROUND PIPING:  
1. PLASTIC PIPE OR TUBING AND FITTINGS CONFORMING WITH ASTM D 2513. REINFORCED EPOXY RESIN GAS PIPE AND FITTINGS CONFORMING TO ASTM D 2517 FOR OUTSIDE UNDERGROUND USE ONLY. PLASTIC SHALL BE USED ONLY BELOW GRADE. PLASTIC PIPE AND FITTINGS SHALL BE JOINED BY APPROVED METHODS AND MANUFACTURING INSTRUCTIONS. MILL COAT PIPE WITH HIGH DENSITY POLYETHYLENE OVER ADHESIVE UNDERCOATING.  
2. WRAP FIELD JOINTS AND FITTINGS WITH REPUBLIC "X-TRU-TAPE" OR EQUAL PER MANUFACTURER'S RECOMMENDATIONS.  
3.  
B. ABOVE GROUND PIPING:  
1. SCHEDULE 40 BLACK STEEL OR GALVANIZED STEEL WITH MALLEABLE IRON FITTINGS OR WELDED JOINTS WITH BUTTWELD FITTINGS.  
2. STAINLESS STEEL TUBING, FITTINGS, AND ACCESSORIES SHALL BE TESTED, LISTED, AND INSTALLED PER ANSI/AGA LC-1, MPFA AND FACTORY MUTUAL. SHALL HAVE POLYETHYLENE JACKET. SHALL MEET STATE AND LOCAL APPROVALS. SHALL BE EQUAL TO TRACE PIPE BY OMEGA FLEX.

B. ABOVE GROUND PIPING:

1. SCHEDULE 40 BLACK STEEL OR GALVANIZED STEEL WITH MALLEABLE IRON FITTINGS OR WELDED JOINTS WITH BUTTWELD FITTINGS.  
2. STAINLESS STEEL TUBING, FITTINGS, AND ACCESSORIES SHALL BE TESTED, LISTED, AND INSTALLED PER ANSI/AGA LC-1, MPFA AND FACTORY MUTUAL. SHALL HAVE POLYETHYLENE JACKET. SHALL MEET STATE AND LOCAL APPROVALS. SHALL BE EQUAL TO TRACE PIPE BY OMEGA FLEX.

C. CONNECTORS FOR APPLIANCES AND OTHER EQUIPMENT:

1. PVC COOLED SPIRAL FLEXIBLE BRASS CONNECTOR WITH BRASS FLARED GAS TUBING FITTINGS.

D. CATHODIC PROTECTION - PACKAGED MAGNESIUM ANODES.

E. WELDING ROD - SAME MATERIAL AS PIPE.

2.02 GAS COCKS:

- A. IRON BODY WITH BRASS PLUG AND WASHER WITH SCREWED OR FLANGED ENDS RATED FOR 125 LB. WOG.

PART 3 EXECUTION:

3.01 PREPARATION:

- A. REAM PIPES AND TUBING PRIOR TO CONNECTION.  
B. REMOVE WELDING SLAG FROM WELDED CONNECTIONS.

3.02 INSTALLATION:

- A. SLOPE NATURAL GAS PIPING MINIMUM OF 1 INCH IN 40 FEET AND PROVIDE MINIMUM 12 INCH DEEP DRIP POCKET SAME SIZE AS PIPE, AT ALL LOW POINTS AND AT FINAL CONNECTIONS TO EQUIPMENT. PROVIDE MALLEABLE IRON REMOVABLE SCREW-ON CAP ON BOTTOM OF DRIP POCKET.  
B. BUY UNDERGROUND GAS PIPING MINIMUM OF 2 FEET BELOW FINISHED GRADE.  
C. PROVIDE ONE OR MORE ANODES, SIZED FOR PIPE SIZE AND LENGTH OF UNDERGROUND SERVICE.  
D. USE FLEXIBLE CONNECTOR AND GAS COCK FOR FINAL CONNECTION TO EACH APPLIANCE OR OTHER GAS FUELED UNIT.  
E. PROVIDE DIELECTRIC UNION WHERE PIPING EMERGES FROM UNDERGROUND.  
F. WELD ALL CONNECTIONS WHERE PIPING MUST BE CONCEALED. PROVIDE VENTILATED PIPE SLEEVES WHERE REQUIRED.  
G. USE TEFLON TAPE OR OTHER APPROVED JOINT COMPOUND TO CONNECT THREADED PIPE.  
H. ARRANGE WITH LOCAL UTILITY FOR GAS TAP AND METER INSTALLATION. PAY ALL COSTS TO ESTABLISH NATURAL GAS SERVICE.  
I. MAKE SURE ALL PIPING CONCEALED IN WALLS OR OTHER AREAS ARE PROPERLY VENTED - AT TOP OF SOLID WALLS VENT WITH OPENING WHICH IS 2 TIMES THE DIAMETER OF THE PIPE.  
J. PROVIDE VENTILATED PIPE SLEEVES UNDER ALL PAVING AND OTHER HARD SURFACES.  
K. BOND INTERIOR METAL GAS PIPING TO THE ELECTRICAL SYSTEM GROUND. PIPING SHALL BE ELECTRICALLY CONTINUOUS.  
L. INSTALL CONTINUOUS STRIP OF PLASTIC UTILITY MARKER TAPE OVER GAS PIPING. USE STRIP WITH TRACE WIRE FOR PLASTIC PIPE.  
M. IDENTIFY AND LABEL MEDIUM PRESSURE GAS PIPING AT BOTH ENDS AND THE 6 FOOT INTERVALS IN BETWEEN.  
N. CONTRACTOR SHALL COORDINATE WITH LOCAL GAS COMPANY THE STANDARD GAS PRESSURE. SHOULD THE SYSTEM EXCEED THE STANDARD GAS PRESSURE AND USE MEDIUM OR HIGH PRESSURE GAS CONTRACTOR SHALL PROVIDE A GAS REGULATOR AT EACH PECE OF EQUIPMENT REQUIRING GAS SHOULD LOCATIONS NOT BE SHOWN ON DRAWINGS. PROVIDE VENTING ACCORDINGLY SHOULD THE REGULATOR BE INSTALLED INSIDE THE BUILDING.

3.03 TESTING:

- A. BEFORE CONCEALING, TEST NATURAL GAS PIPING SYSTEM AND PROVE LEAK FREE. SUBJECT SYSTEM TO AT LEAST 50 PSIG AIR PRESSURE FOR 3 MINUTES.  
B. CHECK UNDERGROUND PIPING COATING WITH A "HOLIDAY" DETECTOR AND PROVE FREE FROM LEAKAGE CURRENTS THROUGH COATING.

END OF SECTION

INSULATION  
SECTION 15414

PART 1 GENERAL

1.01 WORK INCLUDED:

- A. INSULATION MATERIALS.  
B. INSULATING CEMENTS.  
C. ADHESIVES.  
D. MASTICS.  
E. SEALANTS.  
F. FACTORY-APPLIED JACKETS.  
G. FIELD-APPLIED FABRIC-REINFORCING MESH.  
H. FIELD-APPLIED JACKETS.  
I. TAPES.  
J. SECUREMENTS.  
K. CORNER ANGLES.

1.02 RELATED WORK:

- A. SECTION 15000 GENERAL MECHANICAL REQUIREMENTS.  
B. SECTION 15005 MECHANICAL INSULATION.

1.03 SUBMITTALS:

- A. PRODUCT DATA FOR EACH TYPE OF PRODUCT INDICATED.  
B. SHOP DRAWINGS DETAILING APPLICATION OF PROTECTIVE SHIELDS, SADDLES, AND INSERTS AT HANGERS FOR EACH TYPE OF INSULATION AND HANGER.  
C. DETAIL ATTACHMENT AND COVERING OF HEAT TRACING INSIDE INSULATION.  
D. DETAIL INSULATION APPLICATION AT PIPE EXPANSION JOINTS FOR EACH TYPE OF INSULATION.  
E. DETAIL INSULATION APPLICATION AT ELBOWS, FITTINGS, FLANGES, VALVES, AND SPECIALTIES FOR EACH TYPE OF INSULATION.  
F. DETAIL REMOVABLE INSULATION AT PIPING SPECIALTIES, EQUIPMENT CONNECTIONS, AND ACCESS PANELS.  
G. DETAIL APPLICATION OF FIELD-APPLIED JACKETS.  
H. DETAIL APPLICATION AT LINKAGES OF CONTROL DEVICES.  
I. DETAIL FIELD APPLICATION FOR EACH EQUIPMENT TYPE.  
J. FIELD QUALITY-CONTROL REPORTS.

PART 1 GENERAL

2.01 PRODUCTS:

- A. INSULATION MATERIALS.  
1. PRODUCTS SHALL NOT CONTAIN ASBESTOS, LEAD, MERCURY, OR MERCURY COMPOUNDS.  
2. PRODUCTS THAT COME IN CONTACT WITH STAINLESS STEEL SHALL HAVE A LEACHABLE CHLORIDE CONTENT OF LESS THAN 50 PPM WHEN TESTED ACCORDING TO ASTM C 871.  
3. INSULATION MATERIALS FOR USE ON AUSTENITIC STAINLESS STEEL SHALL BE QUALIFIED AS ACCEPTABLE ACCORDING TO ASTM C 795.  
4. FOAM INSULATION MATERIALS SHALL NOT USE CFC OR HCFC BLOWING AGENTS IN THE MANUFACTURING PROCESS.

5. CELLULAR GLASS: INORGANIC, INCOMBUSTIBLE, FOAMED OR CELLULATED GLASS WITH ANNEALED, RIGID, HERMETICALLY SEALED CELLS. FACTORY-APPLIED JACKET REQUIREMENTS ARE SPECIFIED IN "FACTORY-APPLIED JACKETS" ARTICLE.  
SUBJECT TO COMPLIANCE WITH LOCAL REQUIREMENTS:  
A. FLEXIBLE ELASTOMERIC: CLOSED-CELL, SPONGE OR EXPANDED-RUBBER MATERIALS.  
B. HIGH-TEMPERATURE, MINERAL-FIBER BLANKET INSULATION: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN.  
C. HIGH-TEMPERATURE, MINERAL-FIBER BOARD INSULATION: MINERAL OR GLASS FIBERS BONDED WITH A THERMOSETTING RESIN.  
D. MINERAL-FIBER, PERFORMED PIPE INSULATION.  
E. POLYURETHANE: RIGID, EXTRUDED CELLULAR POLYSTYRENE INTENDED FOR USE AS THERMAL INSULATION.  
F. POLYSTYRENE: RIGID, EXTRUDED CELLULAR POLYSTYRENE INTENDED FOR USE AS THERMAL INSULATION.  
G.

2.02 INSULATING CEMENTS:

- A. MINERAL-FIBER, HYDRAULIC-SETTING INSULATING AND FINISHING CEMENT: COMPLY WITH ASTM C 449/C 449M.

2.03 ADHESIVES:

- A. MATERIALS SHALL BE COMPATIBLE WITH INSULATION MATERIALS, JACKETS, AND SUBSTRATES AND FOR BONDING INSULATION TO ITSELF AND TO SURFACES TO BE INSULATED, UNLESS OTHERWISE INDICATED.

1. CELLULAR-GLASS POLYSTYRENE.  
2. FLEXIBLE ELASTOMERIC AND POLYURETHANE.  
3. MINERAL-FIBER.  
4. POLYSTYRENE.  
5. ASJ, FSK, AND PVDC JACKET ADHESIVE.  
6. PVC JACKET.

2.04 MASTICS:

- A. VAPOR-BARRIER MASTIC  
B. BREATHER MASTIC.

2.05 SEALANTS:

- A. JOINT SEALANT.  
B. FSK AND METAL JACKET FLASHING SEALANT.  
C. ASJ FLASHING SEALANT AND VINYL, PVDC, AND PVC JACKET FLASHING SEALANT.

2.06 FACTORY-APPLIED JACKETS:

- A. ASJ  
B. ASJ-SSL  
C. FSK  
D. PVDC JACKET FOR INDOOR APPLICATIONS  
E. PVDC JACKET FOR OUTDOOR APPLICATIONS  
F. PVDC-SSL JACKET

2.07 FIELD-APPLIED FABRIC-REINFORCING MESH:

- A. WOVEN POLYESTER FABRIC

2.08 FIELD-APPLIED JACKETS:

- A. PVC JACKET  
B. ALUMINUM JACKET  
C. UNDERGROUND DIRECT-BURIED JACKET

2.09 TAPES:

- A. ASJ  
B. FSK  
C. PVC  
D. ALUMINUM-FOIL  
E. PVC

2.10 SECUREMENTS:

- A. ALUMINUM BANDS  
B. INSULATION PINS AND HANGERS  
C. NONMETAL, ADHESIVELY ATTACHED, PERFORATED-BASE INSULATION HANGERS  
D. SELF-STICKING BASE INSULATION HANGERS  
E. INSULATION-RETAINING WASHERS  
F. NONMETAL INSULATION-RETAINING WASHERS  
G. STAPLES  
H. WIRE

2.11 CORNER ANGLES:

- A. PVC CORNER ANGLES  
B. ALUMINUM CORNER ANGLES

PART 3 EXECUTION

3.01 PREPARATION

- A. SURFACE PREPARATION: CLEAN AND DRY SURFACES TO RECEIVE INSULATION. REMOVE MATERIALS THAT WILL ADVERSELY AFFECT INSULATION APPLICATION.  
B. COORDINATE INSULATION INSTALLATION WITH THE TRADE INSTALLING HEAT TRACING. COMPLY WITH REQUIREMENTS FOR HEAT TRACING THAT APPLY TO INSULATION.  
C. MIX INSULATING CEMENTS WITH CLEAN POTABLE WATER; IF INSULATING CEMENTS ARE TO BE IN CONTACT WITH STAINLESS-STEEL SURFACES, USE DEMINERALIZED WATER.

3.02 GENERAL INSTALLATION REQUIREMENTS:

- A. INSTALL INSULATION MATERIALS, ACCESSORIES AND FINISHES WITH SMOOTH, STRAIGHT, AND EVEN SURFACES, FREE OF VOIDS THROUGHOUT THE LENGTH OF EQUIPMENT AND PIPING INCLUDING FITTINGS, VALVES, AND SPECIALTIES.  
B. INSTALL INSULATION MATERIALS, FORMS, VAPOR BARRIERS OR RETARDERS, JACKETS, AND THICKNESS" REQUIRED FOR EACH ITEM OF EQUIPMENT AND PIPE SYSTEM.  
C. INSTALL ACCESSORIES COMPATIBLE WITH INSULATION MATERIALS AND SUITABLE FOR THE SERVICE.

END OF SECTION

PRIOR TO BID/START OF CONSTRUCTION REQUIREMENTS  
THESE DOCUMENTS ARE DIAGRAMMATIC IN NATURE AND IN SOME CASES, BASED ON INFORMATION THAT IS PROVIDED BY THE OWNER. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BID. ANY DISCREPANCIES OR CONDITIONS INTERFERING WITH THE ABILITY OF THE CONTRACTOR TO COMPLETE THE WORK AS OUTLINED, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. ANY COST SAVINGS OPTIONS OR REUSE OF EXISTING EQUIPMENT, MATERIAL OR DEVICES SHALL BE MADE AVAILABLE TO THE OWNER AND THE ARCHITECT FOR REVIEW. ANY REQUESTED CHANGES DUE TO THE CONTRACTORS OVERSIGHT OR FAILURE TO VISIT THE SITE PRIOR TO BID, SHALL NOT BE AUTHORIZED OR COMPENSATED. COORDINATE ALL LOWER SIZES AND LOCATIONS PRIOR TO START OF CONSTRUCTION. LAYOUT ALL EQUIPMENT IN MECHANICAL ROOM TO ENSURE PROPER SPACE AND CLEARANCES ARE AVAILABLE. CONTACT ARCHITECT IMMEDIATELY WITH ANY ISSUES.

OWNER

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ARCHITECT

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ARCHITECT: MIKE KRESS  
LICENSE NO. 5715



SEAL

ACADEMY BANK  
BRANCH:  
LEE'S SUMMIT

2070 NW Lowenstein Dr  
Suite A  
LEE'S SUMMIT, MO 64081

PERMIT SET

ISSUE DATE: 05.30.24  
REV DESCRIPTION DATE

PROJECT NO. 16014  
DRAWN BY:  
CHKD BY:  
SHEET TITLE


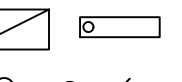













































P-700

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# LEGEND

	CONDUIT AND WIRE CONCEALED IN WALL OR ABOVE CEILING
	CONDUIT AND WIRE CONCEALED UNDERFLOOR OR UNDERGROUND
	LUMINAIRE SYMBOLS. SEE LUMINAIRE SCHEDULE FOR SPECIFIC FIXTURES.
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	

# NEC GENERAL NOTES:

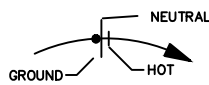
1. WHERE THE CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED PER TABLE 310.15(B)(2). (310.15(B)(2))
2. WHERE THE CONDUCTORS OR CABLES ARE INSTALLED IN CONDUITS EXPOSED TO DIRECT SUNLIGHT ON OR ABOVE ROOFTOPS SHALL BE REDUCED PER TABLE 310.15(B)(2)(C).
3. WHERE TWO DIFFERENT AMPACITIES APPLY TO ADJACENT PORTIONS OF A CIRCUIT, THE AMPACITY SHALL BE PER THE 310.15(2) EXCEPTION.
4. WHERE THE MAXIMUM AMBIENT TEMPERATURE IS OVER 30°C, (86°F), THE REFERENCED CORRECTION FACTORS SHALL APPLY TO CONDUCTORS. (TABLE 310.16 TO 19)
5. INDICATE WHICH WIRING METHODS (E.G., FMC, EMT, AC, IMC, RMC, ETC.) ARE TO BE INSTALLED AT ANY/ALL LOCATIONS ON THE PLANS. (CHAPTER 9, TABLES 4, 5 & 5A, APPENDIX C)
6. NOT USED
7. NOT USED
8. EACH MULTI-WIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. (210.4(B)).
9. ALL WORK TO COMPLY WITH NATIONAL ELECTRIC CODE 2020.
10. THE UNGROUNDED AND GROUNDED CONDUCTORS OF EACH MULTI-WIRE BRANCH CIRCUIT SHALL BE GROUPED BY WIRE TIES OR SIMILAR MEANS IN AT LEAST ONE LOCATION WITHIN THE PANELBOARD OR OTHER POINT OF ORIGINATION. (210.4(D))
11. PROVIDE SEPARATE SUBMITTAL, OBTAIN ALL REQUIRED PERMITS, INSPECTIONS AND APPROVALS FOR ALL FIRE ALARM SYSTEM INSTALLATIONS AND / OR MODIFICATIONS ALL INSTALLED EQUIPMENT SHALL BE LISTED AND APPROVED BY A CITY APPROVED TESTING LABORATORY.
12. ALL INSTALLED EQUIPMENT AND MATERIAL SHALL BE NRTL LISTED AND APPROVED FOR THE INTENDED PURPOSE.
13. ALL EQUIPMENT TO BE U.L. LISTED OR EQUIVALENT.
14. FIELD VERIFY SERVICE RECEPTACLE IS PROVIDED WITHIN 25' OF MECHANICAL EQUIPMENT. (210.63)
15. MULTIPLE RACEWAYS CONTAINING MORE THAN 2 CURRENT CARRYING CONDUCTORS SHALL COMPLY WITH [2017, NEC, 310.15(B)(2)(A)].
16. WHERE THE DISCONNECTS ARE NOT PROVIDED WITHIN SIGHT FROM THE EQUIPMENT IT SUPPLIES, THE SWITCH OR CIRCUIT BREAKER MUST INCLUDE PROVISIONS FOR ADDING A LOCK, AND THESE PROVISIONS MUST REMAIN WITH THE EQUIPMENT. THESE LOCKING PROVISIONS HAVE TO BE PART OF THE EQUIPMENT, EITHER INHERENT TO THE EQUIPMENT
17. DESIGN OR AS AN ACCESSORY FEATURE THAT CAN BE INSTALLED ON THE EQUIPMENT. [410.141(B), 422.31(B), 424.19, 440.14 EXCEPTION NO. 1, 600.6(A)(2)(3), 620.51(A) EXCEPTION NO. 1, 620.53, 620.55]
18. LIGHT FIXTURE IN CONTACT WITH INSULATION TO BE U.L. LISTED FOR THERMAL BARRIER OR PROVIDE 3" MINIMUM CLEARANCE.
19. LIGHTS AND PANELS SHALL NOT BE RECESSED IN FIRE RATED ASSEMBLIES UNLESS BOXED, WITH EQUIVALENT CONSTRUCTION.
20. MOUNT THE FOLLOWING ABOVE FINISHED FLOOR:  
OUTLETS— 18" to 48"  
SWITCHES— 36" to 48"  
THERMOSTATS— 36" TO 48"  
MEASURED FROM BOTTOM & TOP OF BOXES RESPECTIVELY.
21. PANEL CIRCUIT DIRECTORY TO COMPLY WITH SECTION 408.4, NEC.
22. W.P. COVER OF OUTLETS TO COMPLY WITH SECT. 406.8 (B) (I), NEC.

## APPLICABLE CODES

CODES:

- NATIONAL ELECTRICAL CODE 2017
- COMPLY WITH LOCAL JURISDICTION REQUIREMENTS


# VOLTAGE DROP



HOMERUN TO PANEL INDICATED (CONCEALED). MINIMUM 3/4" CONDUIT. CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL CONDUCTORS FOR HOMERUNS EXCEEDING 75' USE THE NEXT TABLE TO SIZE THE CONDUIT.

0 - 75 Feet -----	#12 AWG
75 - 150 Feet -----	#10 AWG
150 - 250 Feet -----	#8 AWG
250 - 350 Feet -----	#6 AWG

THERE SHALL BE A MAXIMUM OF 2 BRANCH CIRCUITS FOR SINGLE PHASE PLANS). TEXT SHOWN BY HOMERUN INDICATES PANELBOARD DESIGNATION.



CONDUIT CONCEALED IN WALL OR ABOVE CEILING SPACE. UNLESS OTHERWISE SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL. MINIMUM 3/4" CONDUIT UNDERGROUND OR BELOW SLAB CONDUIT. UNLESS OTHERWISE NOTED PER #12 GROUND AND #12 NEUTRAL. MINIMUM 3/4" CONDUIT.

ABBREVIATIONS

A	AMPERE	GND	GROUND	RO	RACEWAY ONLY
AC	ALTERNATING CURRENT, ABOVE COUNTER	GRS	GALVANIZED RIGID STEEL	SHT	SHEET
AFF	ABOVE FINISHED FLOOR	HID	HIGH INTENSITY DISCHARGE	SPEC	SPECIFICATIONS
AIC	AMPS INTERRUPTING CAPACITY	HP	HORSEPOWER	SW	SWITCH
AL	ALUMINUM	HT	HEAT TRACE	SWBD	SWITCHBOARD
AMP	AMPERE	KCMIL	THOUSAND CIRCULAR MILLS	SWGR	SWITCHGEAR
AWG	AMERICAN WIRE GAUGE	KEC	KITCHEN EQUIPMENT CONTRACTOR	TE	TAMPER RESISTANT
BKR	BREAKER	KVA	KILOVOLT AMPERES	TYP	TYPICAL
BLDG	BUILDING	KW	KILOWATT	UC	UNDER COUNTER
BOH	BACK OF HOUSE	LTG	LIGHTING	UG	UNDERGROUND
C	COIL or CONDUIT	MFR	MANUFACTURER	UL	UNDERWRITERS LABORATORIES
CKT	CIRCUIT	MIN	MINIMUM	UON	UNLESS OTHERWISE NOTED
CO	CONDUIT/RACEWAY ONLY	MLO	MAIN LUGS ONLY	V	VOLTS
CT	CURRENT TRANSFORMER	N	NEUTRAL	W	WATTS
Cu	COPPER	NEC	NATIONAL ELECTRICAL CODE (NFPA-70)	WW	WARM WHITE
CW	COOL WHITE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	WP	WEATHERPROOF
DCO	DUPLEX CONVENIENCE OUTLET	NT	NEON TRANSFORMER	W/	WITH
DN	DOWN	NTS	NOT TO SCALE	W/O	WITHOUT
EXIST	EXISTING	PNL	PANEL	XFMR	TRANSFORMER
EF	EXHAUST FAN	POC	POINT OF CONNECTION	XFR	TRANSFER
ELEC	ELECTRICAL	PT	POTENTIAL TRANSFORMER	Z	IMPEDANCE OR ZONE
EMT	ELECTRICAL METALLIC TUBING	PVC	POLYVINYL CHLORIDE		
EQUIP	EQUIPMENT	PWR	POWER		
FLR	FLOOR	QTY	QUANTITY		
FLUOR	FLUORESCENT	RECEPT	RECEPTACLE		
FOH	FRONT OF HOUSE	RI	ROUGH-IN		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RM	ROOM		

GENERAL NOTES

1.

PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, NATIONAL ELECTRICAL SAFETY CODE, LOCAL CODES, ORDINANCES AND REQUIREMENTS OF UTILITY COMPANIES FURNISHING SERVICES TO INSTALLATION.

2.

PROVIDE ITEMS NECESSARY TO COMPLETE ELECTRICAL SYSTEMS. THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY CONDUIT, BOX, CONDUCTOR OR SIMILAR ITEMS FOR A COMPLETE INSTALLATION.

3.

THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND DETERMINE CONDITIONS WHICH MAY AFFECT BID. ANY ITEMS NOT FULLY UNDERSTOOD SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING. PLANS ARE BASED ON OUR BEST UNDERSTANDING OF EXISTING CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL RELEVANT EXISTING CONDITIONS.

4.

"REF" INDICATIONS DENOTE WORK COVERED ELSEWHERE (ARCHITECTURAL, STRUCTURAL, OR MECHANICAL).

5.

WHEREVER THE WORD "PROVIDE" IS USED, IT MEANS, "FURNISH AND INSTALL COMPLETE AND READY FOR USE."

6.

COORDINATE LOCATION OF ELECTRICAL WITH OTHER TRADES.

7.

REFER TO EQUIPMENT DRAWINGS FOR MECHANICAL CHARACTERISTICS (SIZE, LOCATION, ETC.) OF MECHANICAL EQUIPMENT, UNLESS OTHERWISE INDICATED.

8.

PROVIDE CONDUCTORS AND RACEWAYS PER NATIONAL ELECTRICAL CODE.

9.

REFER TO ARCHITECTURAL DRAWINGS FOR KEY PLANS.

10.

ALL DIMENSIONS SHALL BE PER THE ARCHITECTURAL DRAWINGS.

11.

PRIOR TO PROVIDING CABLES FOR TV, CONFIRM REQUIREMENTS WITH ARCHITECT.

12.

NEW ELECTRICAL BOXES LOCATED IN WALLS SEPARATING TWO ROOMS SHALL NOT BE LOCATED "BACK TO BACK". INSTALL PUTTY PACKS BEHIND NEW BOXES FOR SOUND ATTENUATION.

13.

ALL RECEPTACLES AND SWITCHES SHALL BE BETWEEN 18" AND 48" AFF. ADJUST HEIGHT AS REQUIRED TO MEET ADA.

14.

NOT USED

15.

CONTRACTOR TO INSTALL FLUSH MOUNT ALL RECEPTACLES BOXES IN FINISHED WALLS THROUGHOUT.

16.

CONTRACTOR TO LABEL PROPERLY ALL SERVICES AND UNIT PANELS.

17.

CONTRACTOR TO INSTALL WET RATED ALARM WIRE IN UNDER GROUND INSTALLATIONS .

18.

NOT USED

19.

NOT USED

SHEET INDEX

SHEET NUMBER	SHEET NAME
E-000	ELECTRICAL LEGEND & ABBREVIATIONS
E-100	LIGHTING PLAN
E-101	POWER PLAN
E-600	ELECTRICAL SCHEDULES
E-700	SPECIFICATIONS

ADDITIONAL NOTES:

UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY THE NUMBER OF CIRCUITS SHOWN.

UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY THE NUMBER OF CIRCUITS SHOWN. INCLUDE

PRIOR TO BID/START OF CONSTRUCTION REQUIREMENTS

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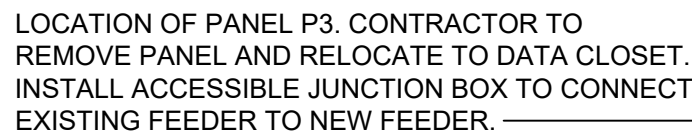
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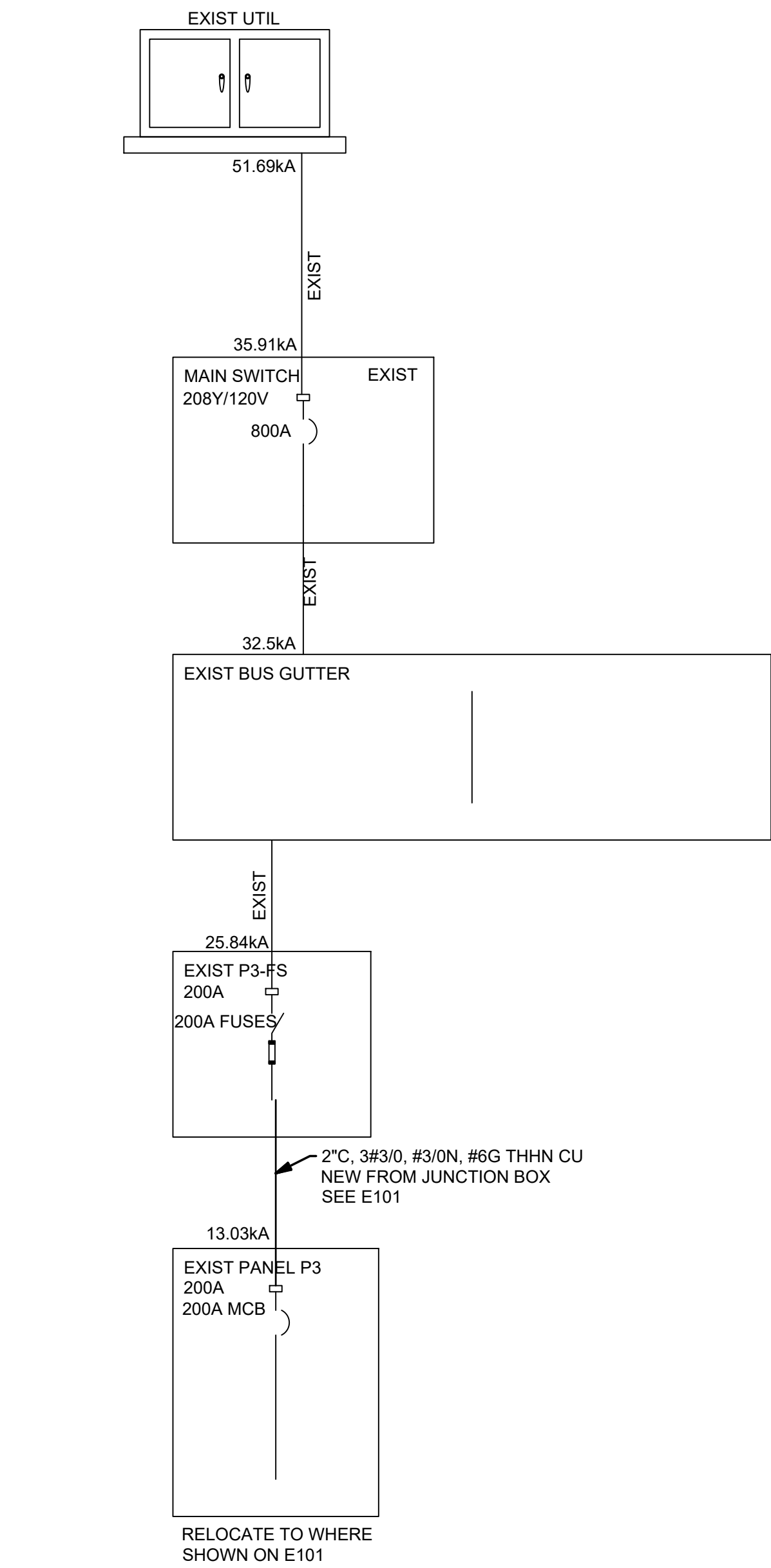
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E-101



LUMINAIRE SCHEDULE			
CALLOUT	SYMBOL	MODEL	INPUT WATTS
B		Lithonia Lighting, ZL1N L48 5000LM FST MVOLT 40K 80 CRI	34.31
C		Lithonia Lighting, ZL2N L24 2000LM MDD XX 40K 80CRI XX	35.01
E		Lithonia Lighting, ELM6L	8.4
H		Flexfire LEDs Colorbright Natural White Strip	55
R		Lithonia Lighting, MR24 K6606	5.4
X		Lithonia Lighting, ECB LED	2.32

EQUIPMENT SCHEDULE					
CALLOUT	SYMBOL	VOLTS	AMPS	BREAKER	CIRCUIT
RTU-3(EX)		208V 3P 3W	28	35/3	P3-2,4,6
RTU-5(EX)		208V 3P 3W	35	50/3	P3-8,10,12
WH-1		208V 2P 2W	21.63	30/2	P3-14,16



1 SINGLE LINE DIAGRAM  
N.T.S.

P3						
ROOM MOUNTING FLUSH FED FROM P3-FS		VOLTS 208Y/120V 3P 4W BUS AMPS 200 NEUTRAL 100%		AIC 22,000 MAIN BKR 200 LUGS STANDARD		
CKT #	BREAKER TRIP/POLES	CIRCUIT DESCRIPTION	LOAD VA			FEEDER RACEWAY AND CONDUCTORS
			A	B	C	
1	20/1	MAINT RECEPTACLE	360			1/2"C,1#12, #12N, #12G
3	20/1	LIGHTING		793		1/2"C,1#10, #10N, #10G
5	20/1	LIGHTING			231	1/2"C,1#10, #10N, #10G
7	20/1	LIGHTING	497			1/2"C,1#10, #10N, #10G
9	20/1	OFFICE 104 & 105 RECEPTACLES		1,440		1/2"C,1#12, #12N, #12G
11	20/1	FAUCET SENSOR			180	1/2"C,1#12, #12N, #12G
13	20/1	MAINT RECEP	180			1/2"C,1#12, #12N, #12G
15	20/1	ENGAGEMENT RECEPTACLES		1,080		1/2"C,1#12, #12N, #12G
17	20/1	BOIM RECEPTACLES			540	1/2"C,1#12, #12N, #12G
19	20/1	BREAKROOM RECEPTACLES	720			1/2"C,1#12, #12N, #12G
21	20/1	COPY ROOM RECEPTACLES		720		1/2"C,1#12, #12N, #12G
23	20/1	NEW ACCOUNTS RECEPTACLES			1,440	1/2"C,1#12, #12N, #12G
25	20/1	BREAKROOM GFCI	360			1/2"C,1#12, #12N, #12G
27	20/1	FRIDGE - GFCI BREAKER		1,000		1/2"C,1#12, #12N, #12G
29	20/1	DISHWASHER RECEPTACLE			1,300	1/2"C,1#12, #12N, #12G
31	-/1	SPACE	0			
33	-/1	SPACE		0		
35	20/1	COPIER RECEPTACLE			1,000	1/2"C,1#12, #12N, #12G
37	-/1	SPACE	0			
39	-/1	SPACE		0		
41	-/1	SPACE			0	
2	35/3	RTU-3(EX)	3,360			3/4"C,3#8, #10G
4	-/1			3,360		
6	-/1				3,360	
8	50/3	RTU-5(EX)	4,200			3/4"C,3#6, #10G
10	-/1			4,200		
12	-/1				4,200	
14	30/2	WH-1	2,250			1/2"C,2#10, #10G
16	-/1			2,250		
18	20/1	DATA RECEPTACLE			720	1/2"C,1#12, #12N, #12G
20	-/1	SPACE	0			
22	-/1	SPACE		0		
24	20/1	SHOW WINDOW RECEPTACLE			1,230	1/2"C,1#12, #12N, #12G
26	20/1	SHOW WINDOW RECEPTACLE	1,230			1/2"C,1#12, #12N, #12G
28	-/1	SPACE		0		
30	-/1	SPACE			0	
32	-/1	SPACE	0			
34	-/1	SPACE		0		
36	-/1	SPACE			0	
38	-/1	SPACE	0			
40	-/1	SPACE		0		
42	-/1	SPACE			0	
TOTAL CONNECTED VA BY PHASE			13,200	14,800	14,200	
			CONN VA	CALC VA		CONN VA
LIGHTING			1,520	1,900	(125%)	MOTORS
LARGEST MOTOR			12,600	3,150	(25%)	RECEPTACLES
						CONTINUOUS
						4,500
						TOTAL LOAD
						45,100
						BALANCED 3-PHASE LOAD
						125 A

## VOLTAGE DROP NOTES:



HOMERUN TO PANEL INDICATED (CONCEALED). MINIMUM 3/4" CONDUIT. UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY THE NUMBER OF CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL CONDUCTORS.

FOR HOMERUNS EXCEEDING 75' USE THE NEXT TABLE TO SIZE THE CONDUCTORS:

0 - 75 Feet	#12 AWG
75 - 150 Feet	#10 AWG
150 - 250 Feet	#8 AWG
250 - 350 Feet	#6 AWG

THERE SHALL BE A MAXIMUM OF 2 BRANCH CIRCUITS FOR SINGLE PHASE AND 3 BRANCH CIRCUITS FOR THREE PHASE PER HOMERUN (AS INDICATED ON THE PLANS). TEXT SHOWN BY HOMERUN INDICATES PANELBOARD DESIGNATION AND CIRCUIT NUMBER(S).



CONDUIT CONCEALED IN WALL OR ABOVE CEILING SPACE. UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY THE NUMBER OF CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL. MINIMUM 3/4" CONDUIT.



UNDERGROUND OR BELOW SLAB CONDUIT. UNLESS OTHERWISE NOTED PROVIDE #12 CONDUCTORS AS REQUIRED BY THE NUMBER OF CIRCUITS SHOWN. INCLUDE #12 GROUND AND #12 NEUTRAL. MINIMUM 3/4" CONDUIT.

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### OWNER

DICKINSON FINANCIAL CORPORATION  
1111 MAIN STREET #1600  
KANSAS CITY, MO 64105  
816.472.3244

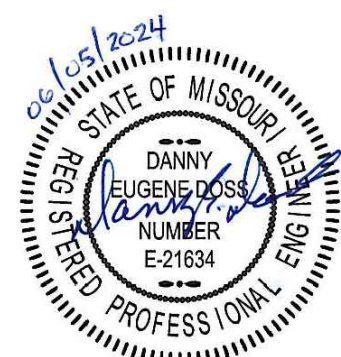
### ARCHITECT

GENERATOR STUDIO LLC  
1615 BALTIMORE AVE  
KANSAS CITY, MO 64108  
816.333.6527  
GENERATORSTUDIO.COM

### CONTRACTOR

SOUTHWIND GROUP  
1218 ENERGY DRIVE  
ABILENE, TX 79602  
325.695.1111  
SOUTHWINDGRP.COM

ARCHITECT: MIKE KRESS  
LICENSE NO. 5715



SEAL

## ACADEMY BANK BRANCH: LEE'S SUMMIT

2070 NW Lowenstein Dr  
Suite A  
LEE'S SUMMIT, MO 64081

### PERMIT SET

ISSUE DATE: 05.30.24  
REV DESCRIPTION DATE

PROJECT NO. 16014  
DRAWN BY:  
CHKD BY:  
SHEET TITLE

E-600



[illegible]**OWNER**

DICKINSON FINANCIAL CORPORATION  
1111 MAIN STREET #1600  
KANSAS CITY, MO 64105  
816.472.5244

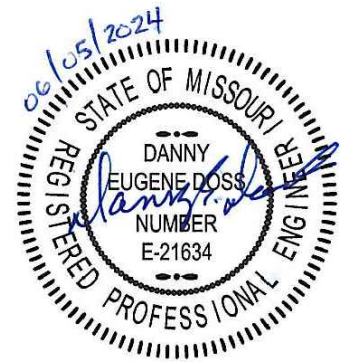
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**BRANCH:**  
**LEE'S SUMMIT**

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LEE'S SUMMIT, MO 64081

## PERMIT SET

ISSUE DATE:		05.30.24
REV	DESCRIPTION	DATE

[illegible]

PROJECT NO.	16014
DRAWN BY:	
CHK'D BY:	
SHEET TITLE	

# E-700

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