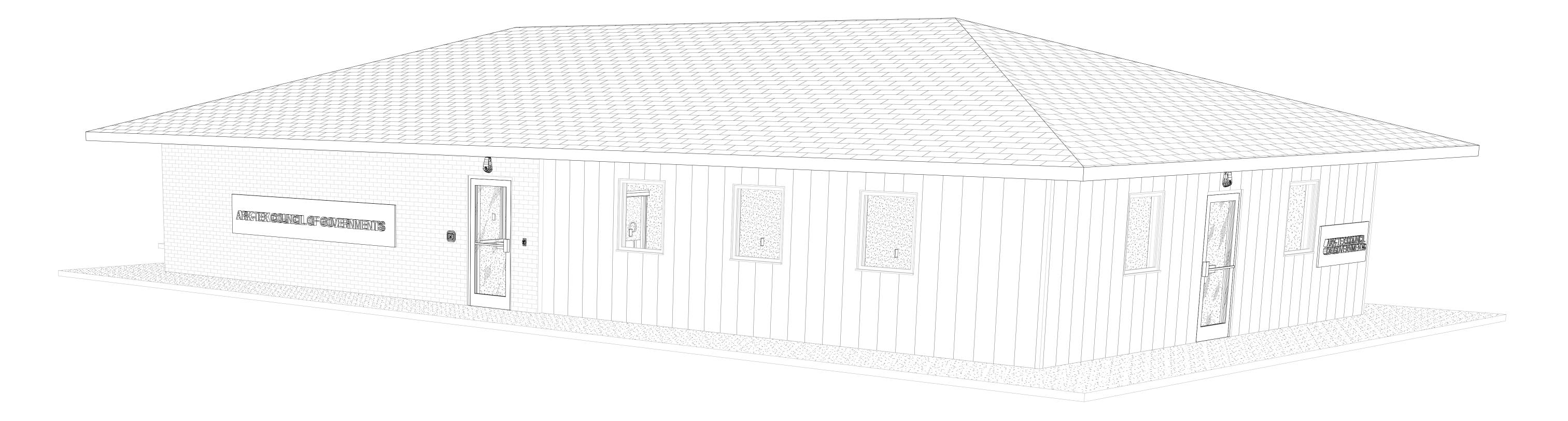
TRANSPORTATION OFFICE RENOVATION 1610 CLARKSVILLE ST. PARIS, TEXAS 75460

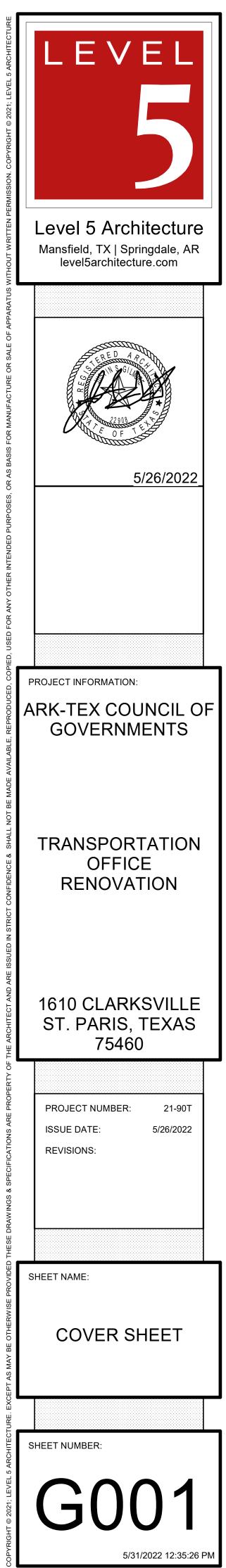




LARRY L. BLACKMON, INC. ENGINEERING & BUILDING DESIGN 6716 AZLE AVENUE FORT WORTH, TEXAS 76135 PHONE: 817-238-9801 FAX: 817-238-9804 REGISTRATION #F-002382







PROJE	CT INFO	RMATION		Houston St BH N	품 E Houst Do	on Lalo's Paris 🕡 👷
NUMBER:	21-90T	ISSUE DATE: 5/26/2022			Brookshire's 😒	U.S. 82 Bus U.S. 82 Bus
STATUS:	PERMIT SET			Fry & Gib	, SE	SE Hill
PROJECT NAME:		N OFFICE RENOVATION		Fry & Gib Funeral H	ome	
ADDRESS:	1610 CLARKSVILL	E ST. PARIS, TEXAS 75460			Northeast Texas Ear	A Piece of Cake Comparison EZPAWN
BUILDING NAME:	ATCOG TRANSPO	RTATION OFFICE			Aerofit Health 💽 💈	
CLIENT NAME:	ARK-TEX COUNCI	L OF GOVERNMENTS			Club/RT Fitness V 52	St Kroger 💎
DESCRIPTION:	RENOVATING A RE	ESTAURANT INTO AN OFFICE		Bith St SE	9th St SE	E Sherman St
					Hearon St Of St	Hearon St
				플 오 Polk St	EF	E Washington St Ellis Park Q El Polk St Camino de luz
APPLICABLE C	CODES & STANI	DARDS		A	LLOWABLE BUIL	DING AREA & HEI
	NAL BUILDING CODE			C	ONSTRUCTION TYPE:	TYPE VB
2015 INTERNATION	NAL PLUMBING COD NAL MECHANICAL CC NAL ENERGY CONSEI	DDE		CI	CCUPANCY ASSIFICATION	ACTUAL A
2015 INTERNATION		RVATION CODE				1,897 SF
	NAL LIFE SAFETY COI	DE			RAND TOTAL	1,897 SF
2014 NATIONAL EL	ECTRICAL CODE					
INTERNATION	IAL ENERGY CO	DE CLASSIFICATION	FIRE RESISTANT CONST	RUCTION		
COUNTY:	LAMAR COU	JNTY	STRUCTURAL FRAMING:	00 HR		
PROPERTY ZONE:	ZONE GR		EXTERIOR BEARING WALLS:	00 HR		
CLIMATE ZONE:	ZONE 3A		INTERIOR BEARING WALLS:	00 HR		

INTERIOR NON-BEARING WALLS:

FLOOR CONSTRUCTION:

ROOF CONSTRUCTION:

00 HR

00 HR

00 HR

BUILDING HEIGHT

IN STORIES

1

IN FEET

ABBREVIATIONS

EXISTING

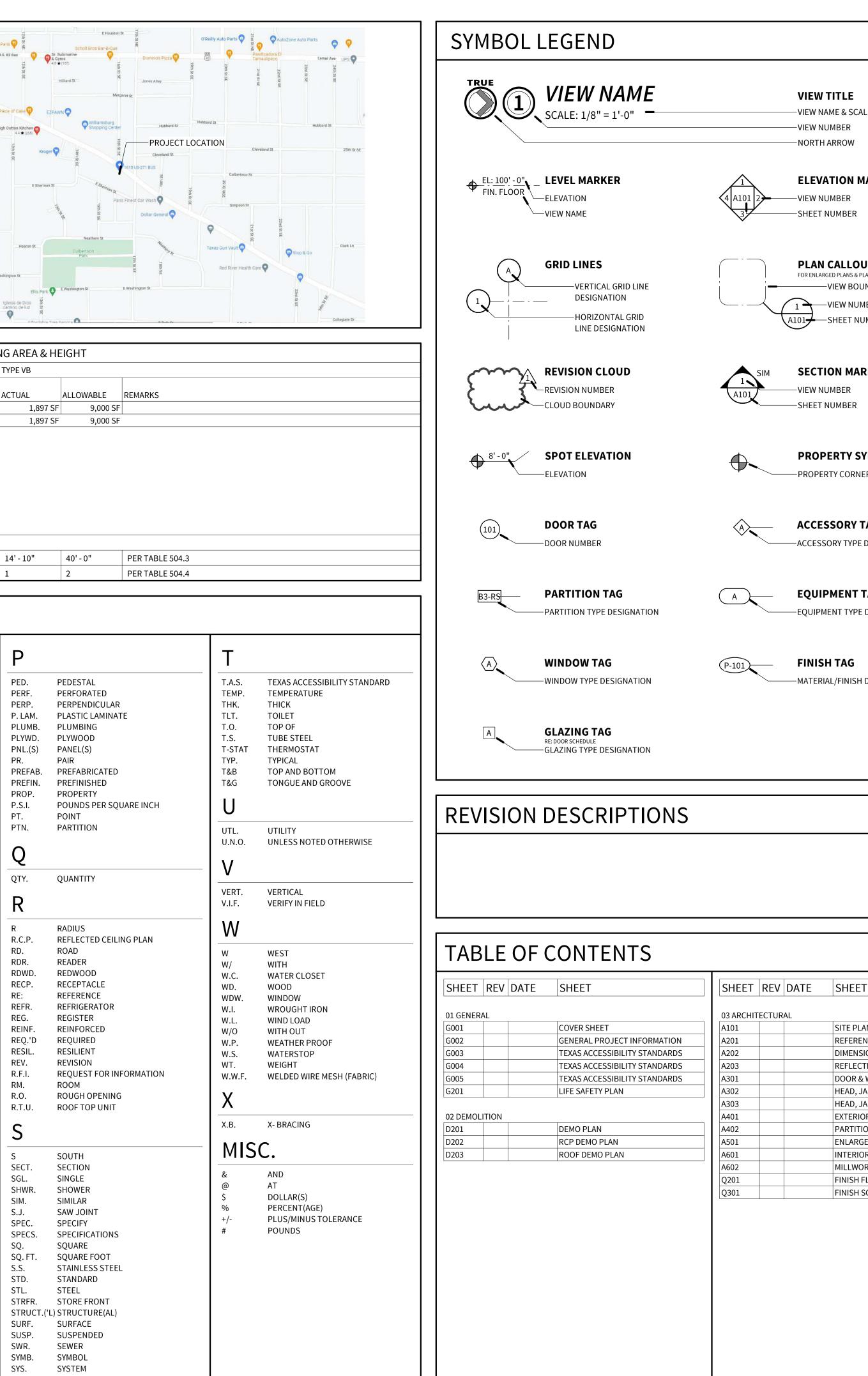
EXISTING

MIN. ROOF R-VALUE:

MIN. EXT. STUD WALL

R-VALUE:

A	E	K
/CAIR CONDITIONERDD.ADDITION.F.F.ABOVE FINISHED FLOOR.H.U.AIR HANDLER UNITLUM.ALUMINUMMPAMPERAGEPPROX.APPROXIMATELYPT.APARTMENTRCH.ARCHITECTURALVE.AVERAGEVG.AVERAGESMT.BASEMENTRD.BOARD.O.BOTTOM OFTWN.BETWEENLDG.BUILDING	E EAST EA. EACH E.J. EXPANSION JOINT ELEC. ELECTRICAL ELEV. ELEVATOR ENGR. ENGINEER EQ. EQUAL EQPM. EQUIPMENT E.W. EACH WAY FAB. FABRICATED F.D. FLOOR DRAIN F.E. FIRE EXTINGUISHER F.H. FIRE HYDRANT OR FIRE HOSE FIN. FINISH(ED) FLR. FLOOR(ING) FNDN FOUNDATION EPMG EPAMING	KIT. KITCHEN K.W. KILOWATT LAB. LABORATORY LAV. LAVATORY LB. POUNDS LGTH. LENGTH LIB. LIBRARY LIN. FT. LINEAR FEET LT. LIGHT LTR.(S) LETTER(S) LVR. LOUVER MATL. MATERIAL MAX. MAXIMUM
LKG. BLOCKING LVD. BOULEVARD TM. BOTTOM .T.U. BRITISH THERMAL UNIT .W. BOTH WAYS	FRMG. FRAMING FTG. FOOTING FURN. FURNITURE FXTR. FIXTURE GA. GAUGE	M.D.F. MULTI DENSITY FIBER BOARD MDL. MIDDLE MECH. MECHANICAL MED. MEDICINE OR MEDICAL MEZZ. MEZZANINE MFD. MANUFACTURED MFG. MANUFACTURING MFR. MANUFACTURER
AB.(S) CABINET(S) HK. CHECK II. CAST IRON IR. CIRCLE J. CONSTRUCTION JOINT LG. CEILING LO. CLOSET LMN. COLUMN LR. CLEAR	GALV. GALVANIZED G.C. GENERAL CONTRACTOR G.I. GALVANIZED IRON GOVT. GOVERNMENT GRD. GRADE GYP. GYPSUM	MIN. MINIMUM MISC. MISCELLANEOUS MLWK. MILLWORK MTD. MOUNTED MTL. METAL N NORTH
.M.CONSTRUCTION MANAGEF.M.U.CONCRETE MASONRY UNIT.O.CASED OPENINGONC.CONCRETEONST.CONSTRUCTIONONT.CONTINUOUSPT.CARPET.U.CONDENSING UNIT.W.COLD WATER	H.B.HOSE BIBH.C.HANDICAPPEDHD.HEADHDR.HEADERHDW.HARDWAREHDWD.HARDWOODH.M.HOLLOW METALHORIZ.HORIZONTALH.P.HORSE POWERHT.HEIGHT	NATL. NATIONAL N.E.C. NATIONAL ELECTRIC CODE N.I.C. NOT IN CONTRACT NO. NUMBER NOM. NOMINAL N.T.S. NOT TO SCALE O
BL. DOUBLE EPT. DEPARTMENT .F. DRINKING FOUNTAIN .H. DOUBLE HUNG IA. DIAMETER	HT. HEIGHT HTR. HEATER H.V.A.C. HEATING, VENTILATION & AIR CONDITIONING H.W. HOT WATER	O.C.ON CENTERO.H.OPPOSITE HANDOPG.(S)OPENING(S)OPP.OPPOSITEOPR.OPERABLEORNA.ORNAMENTALOVHD.OVERHEAD
IM.DIMENSIONIST.DISTANCEIV.DIVISIONN.DOWNR.DOOR.S.DOWNSPOUTTL.DETAIL	INFO. INFORMATION INSUL. INSULATION INT. INTERIOR J	
DTL. DETAIL D.W. DISHWASHER DWG.(S) DRAWING(S) DWL. DOWEL DWR. DRAWER	JAN. JANITOR(S)	



VIEW TITLE

-VIEW NAME & SCALE -VIEW NUMBER -NORTH ARROW

ELEVATION MARKER

-VIEW NUMBER -SHEET NUMBER

PLAN CALLOUT

- FOR ENLARGED PLANS & PLAN DETAILS -VIEW BOUNDARY
 - -VIEW NUMBER -SHEET NUMBER

SECTION MARKER

-VIEW NUMBER -SHEET NUMBER

A101+

- **PROPERTY SYMBOL**
- -PROPERTY CORNER DESIGNATION

ACCESSORY TAG

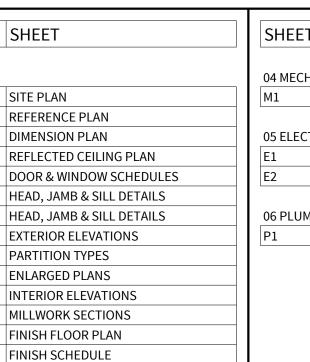
- -ACCESSORY TYPE DESIGNATION
- EQUIPMENT TAG
- -EQUIPMENT TYPE DESIGNATION

FINISH TAG

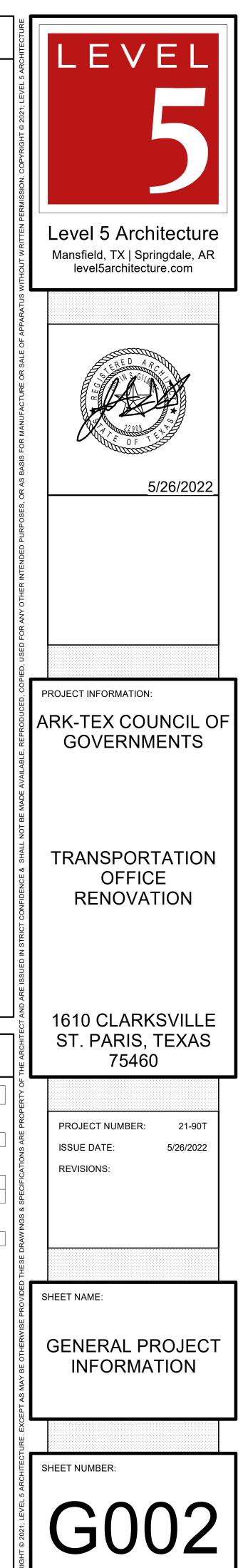
-MATERIAL/FINISH DESIGNATION

GENERAL PROJECT NOTES

- 1. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE MUNICIPALITY & ORDINANCES AS WELLS AS ALL APPLICABLE LOCAL, STATE & FEDERAL CODES. WORK SHALL BE DONE IN A WORKMAN LIKE MANNER AS PER STANDARD BUILDING TECHNIQUES & PRACTICES 2. G.C. OR C.M. IS RESPONSIBLE FOR ALL SAFETY CONDITIONS RELATING TO JOB CONSTRUCTION & ASSURE PROTECTION FOR ANY ADJACENT OCCUPANCIES
- 3. G.C. OR C.M. IS TO VISIT THE SITE AND CAREFULLY INSPECT THE EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN THE DRAWINGS & EXISTING CONDITIONS MUST BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO COMMENCING WORK
- 4. G.C. OR C.M. TO COORDINATE THE ACTIVITIES OF ALL CONSTRUCTION TEAM MEMBERS INCLUDING, BUT NOT LIMITED TO, ALL SUBCONTRACTORS, EQUIPMENT SUPPLIERS, SERVICE PROVIDERS, LOCAL CODE ENFORCEMENT OFFICIALS & JOB VALIDATION INSPECTORS
- WORK INDICATED ON A SHEET OF A SPECIFIC DISCIPLINE IS NOT A DETERMINATION OF THE SEPARATION OF WORK BY THE CONTRACTOR & SUBCONTRACTORS. THE G.C. OR C.M. IS RESPONSIBLE FOR SEPARATION OF WORK NOT SPECIFICALLY DESIGNATED BY THE PLANS OR SPECIFICATIONS
- ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR & ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT. ALL DIMENSIONS ARE FROM THE FACE OF STUDS, C.M.U. OR CONCRETE & DOES NOT INCLUDE ANY FINISH MATERIAL. EXTERIOR DIMENSIONS ARE FROM THE STEEL LINE AND DOES NOT INCLUDE ANY EXTERIOR FINISH MATERIAL
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT PRIOR TO CONTINUING WITH CONSTRUCTION
- 8. G.C. OR C.M. IS RESPONSIBLE FOR DIRECTING THE LOCATION OF ALL BLOCKING REQUIRED FOR ALL WALL HUNG CABINETS, COUNTERTOPS, SHELVES, PLUMBING FIXTURES, DISPLAY BOARDS, ETC. & TO ENSURE ADEQUATE SUPPORT. COORDINATE WITH ARCHITECT AND/OR OWNER 9. PROVIDE FIRE EXTINGUISHERS PER NFPA-10 AND COORDINATE WITH
- LOCAL BUILDING AND/OR FIRE OFFICIALS UNLESS SPECIFICALLY SHOWN ON DRAWINGS 10. ALL PENETRATIONS (PIPING, CONDUIT, DUCTWORK, ETC.) THRU THE
- ROOF DECK SHALL BE COMPLETELY SEALED. LARGE OPENING SHALL BE SEALED WITH METAL LATH OR THIS NOTE DOES NOT APPLY TO SHAFTS PROTECTED BY CONTINUOUS FIRE RESISTANT PARTITIONS 11. ALL TRADES ARE RESPONSIBLE FOR THEIR OWN FIRE CAULKING (IF
- APPLICABLE) 12. ALL FINAL COLORS ARE TO BE SELECTED BY THE ARCHITECT. ALL COLORS SHOULD BE SUBMITTED TO THE G.C. OR C.M. FOR
- ARCHITECT'S APPROVAL 13. ALL QUESTIONS SHALL BE SUBMITTED TO THE ARCHITECT'S OFFICE THROUGH THE APPROPRIATE REQUEST FOR INFORMATION FOR (RFI) PROVIDED BY THE ARCHITECT'S OFFICE



SHEET	REV	DATE	SHEET
04 MECHA	NICAL		
M1			MECHANICAL PLAN
	•		
05 ELECTR	ICAL		
E1			ELECTRICAL RISER
E2			LIGHTING PLAN
06 PLUMB	ING		
P1			PLUBMING PLAN

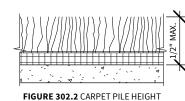


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CHAPTER 3: BUILDING BLOCKS

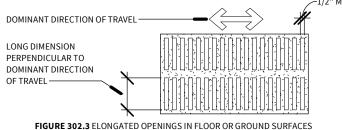
302 FLOOR OR GROUND SURFACES

302.2 CARPET. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2 INCH MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 303.



302.3 OPENINGS. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2 INCH DIAMETER EXCEPT AS ALLOWED IN 407.4.3, 409.4.3, 410.4, 810.5.3 AND

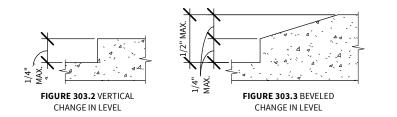
810.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.



303 CHANGES IN LEVEL

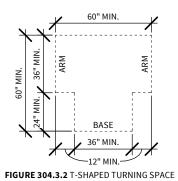
303.2 VERTICAL. CHANGES IN LEVEL OF 1/4 INCH HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

303.3 BEVELED. CHANGES IN LEVEL BETWEEN 1/4 INCH HIGH MINIMUM AND 1/2 INCH HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.



304 TURNING SPACE

304.3.1 CIRCULAR SPACE. THE TURNING SPACE SHALL BE A SPACE OF 60 INCHES DIAMETER MIN. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.



304.3.2 T-SHAPED SPACE. THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60 INCHES SOUARE MINIMUM WITH ARMS AND BASE 36 INCHES WIDE MINIMUM EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES MINIMUM IN EACH

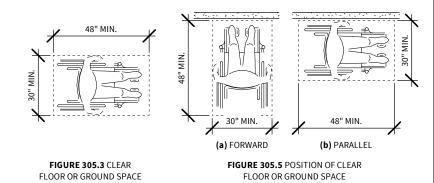
DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24

INCHES MINIMUM THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

305 CLEAR FLOOR AND GROUND SPACE

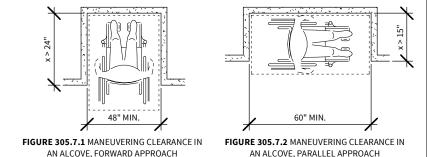
305.3 SIZE. THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30 INCHES MIN. BY 48 INCHES MIN.

305.5 POSITION. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.



305.7.1 FORWARD APPROACH. ALCOVES SHALL BE 36 INCHES WIDE MIN. WHERE THE DEPTH EXCEEDS 24 INCHES.

305.7.2 PARALLEL APPROACH. ALCOVES SHALL BE 60 INCHES WIDE MINIMUM WHERE THE DEPTH EXCEEDS 15 INCHES.



306 KNEE AND TOE CLEARANCE

306.2.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH 306.2.

306.2.2 MAXIMUM DEPTH. TOE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM UNDER AN ELEMENT.

306.2.3 MINIMUM REQUIRED DEPTH. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17 INCHES MINIMUM UNDER THE ELEMENT.

306.2.4 ADDITIONAL CLEARANCE. SPACE EXTENDING GREATER THAN 6 INCHES BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.

306.2.5 WIDTH. TOE CLEARANCE SHALL BE 30 INCHES WIDE MIN

(a) ELEVATION (b) PLAN FIGURE 306.2 TOE CLEARANCE

306.3 KNEE CLEARANCE.

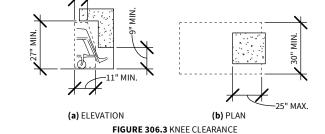
306.3.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH 306.3.

306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM UNDER 9 INCHES ABOVE THE FINISH FLOOR OR GROUND.

306.3.3 MINIMUM REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES DEEP MINIMUM AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND, AND 8 INCHES DEEP MINIMUM AT 27 INCHES ABOVE THE FINISH FLOOR OR GROUND.

306.3.4 CLEARANCE REDUCTION. BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1 INCH IN DEPTH FOR EACH 6 INCHES IN HEIGHT.

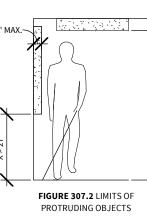
306.3.5 WIDTH. KNEE CLEARANCE SHALL BE 30 INCHES WIDE MIN.

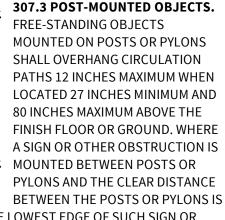


307 PROTRUDING OBJECTS

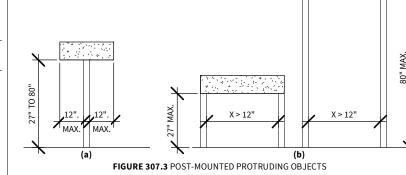
307.2 PROTRUSION LIMITS. OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES AND NOT MORE THAN 80 INCHES ABOVE THE FINISHED FLOOR OR GROUND SHALL PROTRUDE 4" MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH

EXCEPTION: HANDRAILS SHALL BE PERMITTED TO PROTRUDE 4 1/2 INCHES MAX.

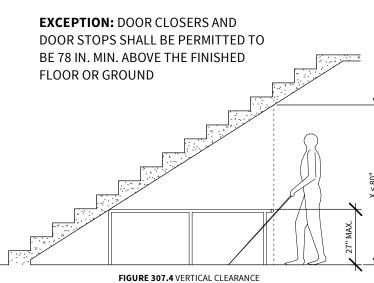




GREATER THAN 12 INCHES, THE LOWEST EDGE OF SUCH SIGN OR OBSTRUCTION SHALL BE 27 INCHES MAXIMUM OR 80 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.



307.4 VERTICAL CLEARANCE. VERTICAL CLEARANCE SHALL BE 80 INCHES HIGH MINIMUM. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80 INCHES HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE LOCATED 27 INCHES MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND



308 REACH RANGES

CHILDREN'S REACH RANGES FORWARD OR SIDE REACH HIGH (MAX.) LOW (MIN.)

ES 3 AND 4	36"
ES 5 THROUGH 8	40"
ES 9 THROUGH 12	44"

308.2 FORWARD REACH.

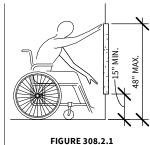
308.2.1 UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

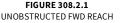
20"

18"

16"

308.2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES, THE HIGH FORWARD REACH SHALL BE 44 INCHES (1120 MM) MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES MAXIMUM.

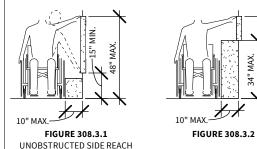




308.3 SIDE REACH.

308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

308.3.2 OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR OR ROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM FOR A REACH DEPTH OF 10 INCHES MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES THE HIGH SIDE REACH SHALL BE 46 INCHES MAXIMUM FOR A REACH DEPTH OF 24 INCHES MAXIMUM.



309 OPERABLE PARTS

309.2 CLEAR FLOOR SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED.

309.3 HEIGHT. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN 308.

309.4 OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM.

CHAPTER 4: ACCESSIBLE ROUTES

402 ACCESSIBLE ROUTES

402.2 COMPONENTS. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CH. 4 ADVISORY 402.2 COMPONENTS. WALKING SURFACES MUST HAVE RUNNING SLOPS NOT STEEPER THAT 1:20, SEE 403.3. OTHER COMPONENTS OF ACCESSIBLE ROUTES, SUCH AS RAMPS (405) AND CURB RAMPS (406) ARE PERMITTED TO BE

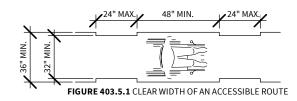
MORE STEEPLY SLOPED

403 WALKING SURFACES

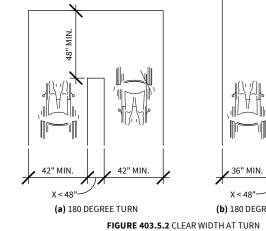
403.3 SLOPE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.

403.5 CLEARANCES. WALKING SURFACES SHALL PROVIDE CLEARANCES COMPLYING WITH 403.5 **EXCEPTION:** WITH EMPLOYEE WORK AREAS, CLEARANCES ON COMMON USE CIRCULATION PATHS SHALL BE PERMITTED TO BE DECREASED BY WORK AREA EQUIPMENT PROVIDED THAT THE DECREASE IS ESSENTIAL TO THE FUNCTION OF THE WORK BEING PERFORMED

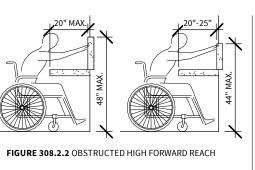
403.5.1 CLEAR WIDTH. EXCEPT AS PROVIDED IN 403.5.2 AND 403.5.3, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 IN. MIN. **EXCEPTION:** THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32 INCHES MINIMUM FOR A LENGTH OF 24 INCHES MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48 INCHES LONG MINIMUM AND 36 INCHES WIDE MINIMUM

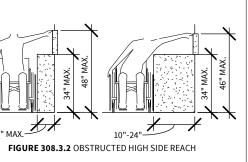


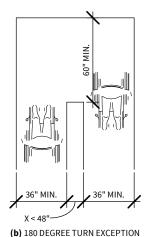
403.5.2 CLEAR WIDTH AT TURN. WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48 INCHES WIDE, CLEAR WIDTH SHALL BE 42 INCHES MINIMUM APPROACHING THE TURN, 48 INCHES MINIMUM AT THE TURN AND 42 INCHES MINIMUM LEAVING THE TURN.



403.5.3 PASSING SPACES. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60 INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FEET MAXIMUM.







404 DOORS, DOORWAYS, AND GATES

404.2.3 CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MIN. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MIN.. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES

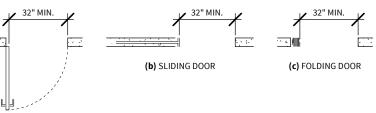


FIGURE 404.2.3 CLEAR WIDTH OF DOORWAYS

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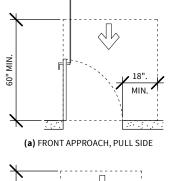
(b) FRONT APPROACH, PUSH SIDE

(d) HINGE APPROACH, PULL SIDE

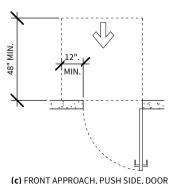
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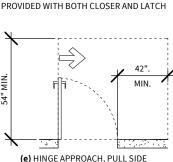
404.2.4 MANEUVERING CLEARANCES. MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL COMPLY WITH 404.2.4. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.

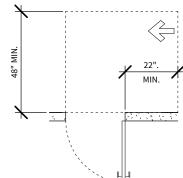
404.2.4.1 SWINGING DOORS AND GATES. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCE COMPLYING WITH FIGURE 404.2.4.1



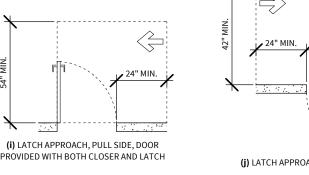
(a) HINGED DOOR

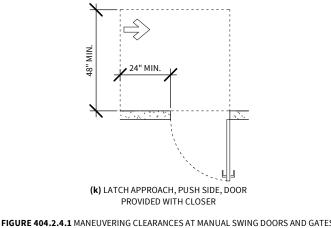




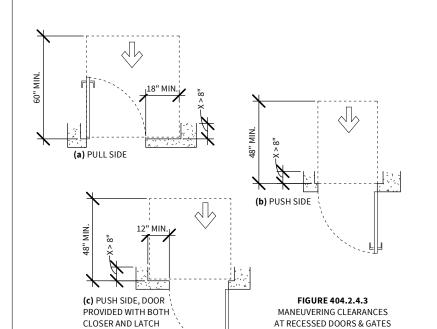


(g) HINGE APPROACH, PUSH SIDE, DOOR OVIDED WITH BOTH CLOSER AND LATCH

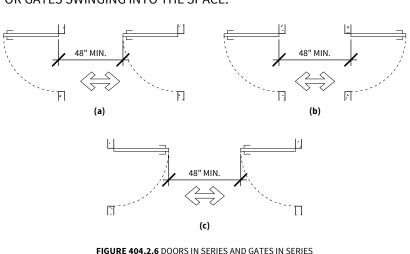




404.2.4.3 RECESSED DOORS AND GATES. MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 IN. OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8 IN. BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE.



404.2.6 DOORS IN SERIES AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48 INCHES MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.



404.2.7 DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

404.2.8.1 DOOR CLOSERS AND GATE CLOSERS. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MIN.

404.2.8.2 SPRING HINGES. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM

404.2.9 DOOR AND GATE OPENING FORCE. FIRE DOORS SHALL HAVE A MIN. OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL BE:

- 1. INTERIOR HINGED DOOR AND GATES: 5 LBS MAX. 2. SLIDING OR FOLDING DOORS: 5 LBS MAX.
- THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSE POSITION

404.2.10 DOOR AND GATE SURFACES. SWINGING DOOR AND GATE SURFACES WITHIN 10 IN. OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 IN. OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED

404.2.11 VISION LIGHTS. DOORS, GATES, AND SIDE LIGHTS ADJACENT TO DOORS OR GATES, CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED 43 INCHES MAXIMUM ABOVE THE FINISH FLOOR.

404.3 AUTOMATIC AND POWER-ASSISTED DOORS AND GATES. AUTOMATIC DOORS AND AUTOMATIC GATES SHALL COMPLY WITH 404.3. FULL-POWERED AUTOMATIC DOORS SHALL COMPLY WITH ANSI/BHMA A156.10 (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1). LOW-ENERGY AND POWER-ASSISTED DOORS SHALL COMPLY WITH ANSI/BHMA A156.19 (1997 OR 2002 EDITION) (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1).

404.3.2 MANEUVERING CLEARANCE. CLEARANCES AT POWER-ASSISTED DOORS AND GATES SHALL COMPLY WITH 404.2.4. CLEARANCES AT AUTOMATIC DOORS AND GATES WITHOUT STANDBY POWER AND SERVING AN ACCESSIBLE MEANS OF EGRESS SHALL COMPLY WITH 404.2.4.

404.3.7 REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES. REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE.

405 RAMPS

405.2 SLOPE. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12.

405.3 CROSS SLOPE. CROSS SLOPE OF RAMP SHALL NOT BE STEEPER THAN 1:48.

405.5 CLEAR WIDTH. THE CLEAR WIDTH OF A RAMP RUN AND, WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE 36 INCHES MINIMUM.

405.6 RISE. THE RISE FOR ANY RAMP RUN SHALL BE 30 IN. MAX.

405.7 LANDINGS. RAMPS SHALL HAVE LANDINGS AT THE TOP & THE BOTTOM OF EA. RAMP RUN. LANDINGS SHALL COMPLY WITH 405.7.

405.7.1 SLOPE. LANDINGS SHALL HAVE SLOPE NO STEEPER THAN 1:48. CHANGES IN LEVEL ARE NOT PERMITTED.

405.7.2 WIDTH. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING.

405.7.3 LENGTH. THE LANDING CLEAR LENGTH SHALL BE 60 INCHES LONG MINIMUM.

405.7.4 CHANGE IN DIRECTION. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING 60 INCHES MINIMUM BY 60 INCHES MINIMUM.

405.7.5 DOORWAYS. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY 404.2.4 AND 404.3.2 SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING

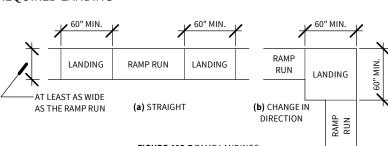
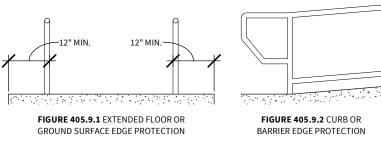


FIGURE 405.7 RAMP LANDINGS

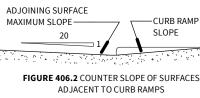
405.8 HANDRAILS. RAMP RUNS WITH A RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS COMPLYING WITH 505.

405.9.1 EXTENDED FLOOR OR GROUND SURFACE. THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING SHALL EXTEND 12 INCHES MINIMUM BEYOND THE INSIDE FACE OF A HANDRAIL COMPLYING WITH 505.

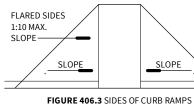
405.9.2 CURB OR BARRIER. A CURB OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4 INCH DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FINISH FLOOR OR GROUND SURFACE.

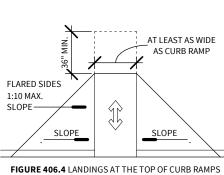


406 CURB RAMPS



IMMEDIATELY ADJACENT TO ADJACENT TO CURB RAMPS THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL.





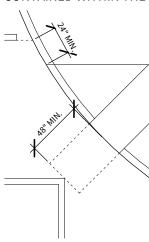


FIGURE 406.6 DIAGONAL OR CORNER TYPE CURB RAMPS LANES OF THE ROADWAY DIAGONAL CURB RAMPS PROVIDED AT MARKED CROSSINGS SHALL PROVIDE THE 48 INCHES MINIMUM CLEAR SPACE WITHIN THE MARKINGS. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 24 INCHES LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

406.7 ISLANDS. RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES. EACH CURB RAMP SHALL HAVE A LEVEL AREA 48 INCHES LONG MINIMUM BY 36 INCHES WIDE MINIMUM AT THE TOP OF THE CURB RAMP IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS. EACH 48 INCH MINIMUM BY 36 INCH MINIMUM AREA SHALL BE ORIENTED SO THAT THE 48 INCH MINIMUM LENGTH IS IN THE DIRECTION OF THE RUNNING SLOPE OF THE CURB RAMP IT SERVES. THE 48 INCH MINIMUM BY 36 INCH MINIMUM AREAS AND THE ACCESSIBLE ROUTE SHALL BE PERMITTED TO OVERLAP

407 ELEVATORS

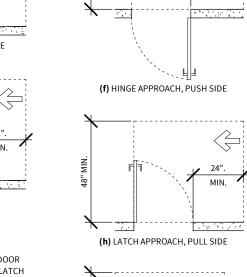
407.1 GENERAL. ELEVATORS SHALL COMPLY WITH 407 AND WITH ASME A17.1 (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1) THEY SHALL BE PASSENGER ELEVATORS AS CLASSIFIED BY ASME A17.1 ELEVATOR OPERATION SHALL BE AUTOMATIC

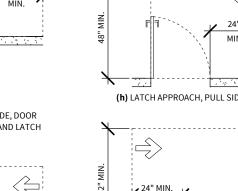
COMPLY

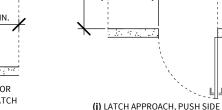
407.2.1.2 SIZE. CALL BUTTONS SHALL BE 3/4 INCH MINIMUM IN THE SMALLEST DIMENSION.

407.2.2.1 VISIBLE AND AUDIBLE SIGNALS. A VISIBLE AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE TO INDICATE WHICH CAR IS ANSWERING A CALL AND THE CAR'S DIRECTION OF TRAVEL. WHERE IN-CAR SIGNALS ARE PROVIDED, THEY SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTONS

407.2.2.2 VISIBLE SIGNALS. VISIBLE SIGNAL FIXTURES SHALL BE CENTERED AT 72 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. THE VISIBLE SIGNAL ELEMENTS SHALL BE 2 1/2 INCHES MINIMUM MEASURED ALONG THE VERTICAL CENTERLINE OF THE ELEMENT. SIGNALS SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTON.







405.9 EDGE PROTECTION. EDGE PROTECTION COMPLYING WITH 405.9.1 OR 405.9.2 SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS.

406.1 GENERAL. CURB RAMPS ON ACCESSIBLE ROUTES SHALL COMPLY WITH 406, 405.2 THROUGH 405.5 AND 405.10

SLOPE

406.3 SIDES OF CURB **RAMPS.** WHERE PROVIDED, CURB RAMP FLARES SHALL NOT BE STEEPER THAN

406.2 COUNTER SLOPE.

ADJOINING GUTTERS AND

COUNTER SLOPES OF

ROAD SURFACES

406.4 LANDINGS.

LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS. THE LANDING CLEAR LENGTH SHALL BE 36 IN. MIN. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING.

406.5 LOCATION. CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES, OR PARKING ACCESS AISLES. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES



406.6 DIAGONAL CURB RAMPS. DIAGONAL OR WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE A CLEAR SPACE **48 INCHES MINIMUM OUTSIDE ACTIVE TRAFFIC**

EXCEPTION: EXISTING CONDITIONS THAT DON'T HAVE TO

407.2.3.1 FLOOR DESIGNATION. FLOOR DESIGNATIONS COMPLYING WITH 703.2 AND 703.4.1 SHALL BE PROVIDED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES. FLOOR DESIGNATIONS SHALL BE PROVIDED IN BOTH TACTILE CHARACTERS AND BRAILLE. TACTILE CHARACTERS SHALL BE 2 INCHES HIGH MINIMUM. A TACTILE STAR SHALL BE PROVIDED ON BOTH JAMBS AT THE MAIN ENTRY LEVEL.

407.2.3.2 CAR DESIGNATIONS. DESTINATION-ORIENTED ELEVATORS SHALL PROVIDE TACTILE CAR IDENTIFICATION COMPLYING WITH 703.2 ON BOTH JAMBS OF THE HOISTWAY IMMEDIATELY BELOW THE FLOOR DESIGNATION. CAR DESIGNATIONS SHALL BE PROVIDED IN BOTH TACTILE CHARACTERS AND BRAILLE. TACTILE CHARACTERS SHALL BE 2 INCHES HIGH MINIMUM.

407.3.3.1 HEIGHT. THE DEVICE SHALL BE ACTIVATED BY SENSING AN OBSTRUCTION PASSING THROUGH THE OPENING AT 5 INCHES NOMINAL AND 29 INCHES NOMINAL ABOVE THE FINISH FLOOR.

407.3.3.3 DURATION. DOOR REOPENING DEVICES SHALL REMAIN EFFECTIVE FOR 20 SECONDS MINIMUM.

407.3.4 DOOR AND SIGNAL TIMING. THE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THAT A CAR IS ANSWERING A CALL OR NOTIFICATION OF THE CAR ASSIGNED AT THE MEANS FOR THE ENTRY OF DESTINATION INFORMATION UNTIL THE DOOR OF THAT CAR STAR TO CLOSE SHALL BE CALCULATED FROM THE FOLLOWING EQUATION:

T = D/(1.5 FT/S) = 5 SECONDS MINIMUM

WHERE:

T = TOTAL TIME (IN SECONDS) D = DISTANCE (IN FEET)

> THE DISTANCE IS FROM THE POINT IN THE LOBBY OR CORRIDOR 60 INCHES DIRECTLY IN FRONT OF THE FARTHEST CALL BUTTON CONTROLLING THAT CAR TO THE CENTERLINE OF ITS HOISTWAY DOOR.

407.3.5 DOOR DELAY. ELEVATOR DOORS SHALL REMAIN FULLY OPEN IN RESPONSE TO A CAR CALL FOR 3 SECONDS

407.4 ELEVATOR CAR REQUIREMENTS. ELEVATOR CARS SHALL COMPLY WITH 407.4.

407.4.1 CAR DIMENSIONS. INSIDE DIMENSIONS OF ELEVATOR CARS AND CLEAR WIDTH OF ELEVATOR DOORS SHALL COMPLY WITH TABLE 407.4.1.

407.4.3 PLATFORM TO HOISTWAY CLEARANCE. THE CLEARANCE BETWEEN THE CAR PLATFORM SILL AND THE EDGE OF ANY HOISTWAY LANDING SHALL BE 1 1/4 INCH MAXIMUM.

407.4.4 LEVELING. EACH CAR SHALL BE EQUIPPED WITH A SELF-LEVELING FEATURE THAT WILL AUTOMATICALLY BRING AND MAINTAIN THE CAR AT FLOOR LANDINGS WITHIN A TOLERANCE OF 1/2 INCH UNDER RATED LOADING TO ZERO LOADING CONDITIONS.

407.4.5 ILLUMINATION. THE LEVEL OF ILLUMINATION AT THE CAR CONTROLS, PLATFORM, CAR THRESHOLD AND CAR LANDING SILL SHALL BE 5 FOOT CANDLES MINIMUM.

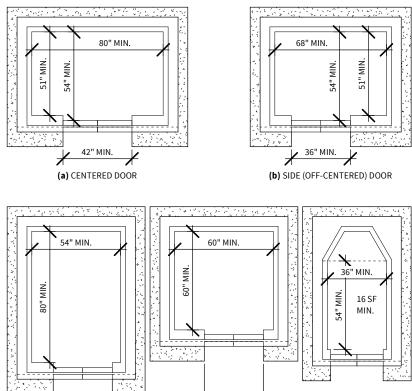
407.4.6 ELEVATOR CAR CONTROLS. WHERE PROVIDED, ELEVATOR CAR CONTROLS SHALL COMPLY WITH 407.4.6 AND 309.4

407.4.6.1 LOCATION. CONTROLS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308.

CORNER TYPE CURB RAMPS **407.4.6.2 BUTTONS.** CAR CONTROL BUTTONS WITH FLOOR DESIGNATIONS SHALL COMPLY WITH 407.4.6.2 AND SHALL BE RAISED OR FLUSH

> 407.4.6.2.1 SIZE. BUTTONS SHALL BE 3/4 INCH MINIMUM IN THEIR SMALLEST DIMENSION.

407.4.6.4.1 HEIGHT. EMERGENCY CONTROL BUTTONS SHALL HAVE THEIR CENTERLINES 35 INCHES MINIMUM ABOVE THE FINISH FLOOR.





36" MIN.

(e) EXCEPTION

EXISTING ELEVATOR CAP

(d) ANY DOOR LOCATION

407.4.7.1.1 TYPE. CONTROL BUTTONS SHALL BE IDENTIFIED BY TACTILE CHARACTERS COMPLYING WITH 703.2.

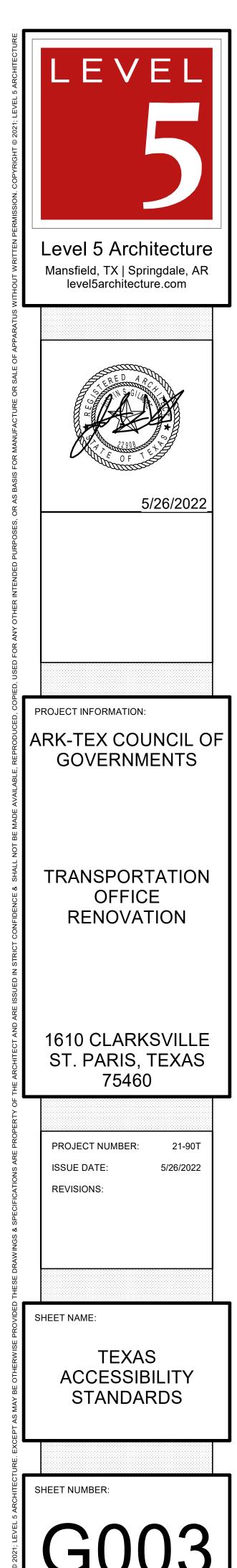
(c) ANY DOOR LOCATION

407.4.7.1.3 SYMBOLS. THE CONTROL BUTTON FOR THE EMERGENCY STOP, ALARM, DOOR OPEN, DOOR CLOSE, MAIN ENTRY FLOOR, AND PHONE, SHALL BE IDENTIFIED WITH TACTILE SYMBOLS AS SHOWN IN TABLE 407.4.7.1.3.

407.4.8.1.1 SIZE. CHARACTERS SHALL BE 1/2 INCH HIGH MINIMUM.

407.4.8.2.2 SIGNAL LEVEL. THE VERBAL ANNUNCIATOR SHALL BE 10 DB MINIMUM ABOVE AMBIENT, BUT SHALL NOT EXCEED 80 DB, MEASURED AT THE ANNUNCIATOR.

407.4.8.2.3 FREQUENCY. THE VERBAL ANNUNCIATOR SHALL HAVE A FREQUENCY OF 300 Hz MINIMUM TO 3000 Hz MAXIMUM



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408 LIMITED-USE/LIMITED-APPLICATION **ELEVATORS**

408.1 GENERAL. LIMITED-USE/LIMITED-APPLICATION ELEVATORS SHALL COMPLY WITH 408 AND WITH ASME A17.1 (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1). THEY SHALL BE PASSENGER ELEVATORS AS CLASSIFIED BY ASME A17.1. ELEVATOR OPERATION SHALL BE AUTOMATIC.

408.2 ELEVATOR LANDINGS. LANDINGS SERVING LIMITED-**USE/LIMITED-APPLICATION ELEVATORS SHALL COMPLY WITH 408.2**

408.2.1 CALL BUTTONS. ELEVATOR CALL BUTTONS AND KEYPADS SHALL COMPLY WITH 407.2.1.

408.2.2 HALL SIGNALS. HALL SIGNALS SHALL COMPLY WITH 407.2.2.

408.2.3 HOISTWAY SIGNS. SIGNS AT ELEVATOR HOISTWAYS SHALL COMPLY WITH 407.2.3.1. 408.3 ELEVATOR DOORS. ELEVATOR HOISTWAY DOORS SHALL COMPLY WITH 408.3.

408.3.1 SLIDING DOORS. SLIDING HOISTWAY AND CAR DOORS SHALL COMPLY WITH 407.3.1 THROUGH 407.3.3 AND 408.4.1

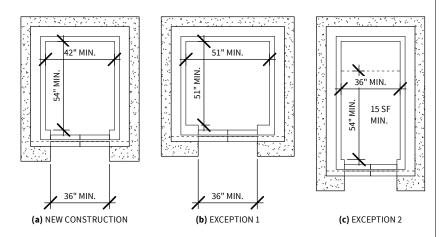
408.3.2 SWINGING DOORS. SWINGING HOISTWAY DOORS SHALL OPEN AND CLOSE AUTOMATICALLY AND SHALL COMPLY WITH 404, 407.3.2 AND 408.3.2.

408.3.2.1 POWER OPERATION. SWINGING DOORS SHALL BE POWER-OPERATED AND SHALL COMPLY WITH ANSI/BHMA A156.19 (1997 OR 2002 EDITION) (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1)

408.3.2.2 DURATION. POWER-OPERATED SWINGING DOORS SHALL REMAIN OPEN FOR 20 SECONDS MINIMUM WHEN ACTIVATED

408.4 ELEVATOR CARS. ELEVATOR CARS SHALL COMPLY WITH 408.4.

408.4.1 CAR DIMENSIONS AND DOORS. ELEVATOR CARS SHALL PROVIDE A CLEAR WIDTH 42 INCHES MINIMUM AND A CLEAR DEPTH 54 INCHES MINIMUM. CAR DOORS SHALL BE POSITIONED AT THE NARROW ENDS OF CARS AND SHALL PROVIDE 32 INCHES MINIMUM CLEAR WIDTH.



408.4.2 FLOOR SURFACES. FLOOR SURFACES IN ELEVATOR CARS SHALL COMPLY WITH 302 AND 303

FIGURE 408.4.1 | IMITED-USE/I IMITED APPLICATION (I UI A) FLEVATOR CAR DIMENSIONS

408.4.3 PLATFORM TO HOISTWAY CLEARANCE. THE PLATFORM TO HOISTWAY CLEARANCE SHALL COMPLY WITH 407.4.3

408.4.4 LEVELING. ELEVATOR CAR LEVELING SHALL COMPLY WITH

408.4.5 ILLUMINATION. ELEVATOR CAR ILLUMINATION SHALL COMPLY WITH 407.4.5.

408.4.6 CAR CONTROLS. ELEVATOR CAR CONTROLS SHALL COMPLY WITH 407.4.6. CONTROL PANELS SHALL BE CENTERED ON SIDE WALL

408.4.7 DESIGNATIONS AND INDICATORS OF CAR CONTROLS. DESIGNATIONS AND INDICATORS OF CAR CONTROLS SHALL COMPLY WITH 407.4.7

408.4.8 EMERGENCY COMMUNICATIONS. CAR EMERGENCY SIGNALING DEVICES COMPLYING WITH 407.4.9 SHALL BE PROVIDED

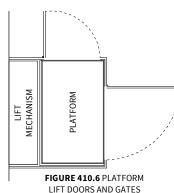
410 PLATFORM LIFTS

410.1 GENERAL. PLATFORM LIFTS SHALL COMPLY WITH ASME A18.1 (1999 EDITION OR 2003 EDITION) (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1) PLATFORM LIFTS SHALL NOT BE ATTENDANT-OPERATED AND SHALL PROVIDE UNASSISTED ENTRY AND EXIT FROM THE LIFT

ADVISORY 410.1 GENERAL. INCLUDED STAIRWAY CHAIRLIFTS, INCLINED AND VERTICAL PLATFORM LIFTS ARE AVAILABLE FOR SHOT DISTANCE VERTICAL TRANSPORTATION. BECAUSE AN ACCESSIBLE ROUTE REQUIRES AN 80 INCH VERTICAL CLEARANCE, CARE SHOULD BE TAKEN IN SELECTING LIFTS AS THEY MAY NOT BE EQUALLY SUITABLE FOR USE BY PEOPLE USING WHEELCHAIRS AND PEOPLE STANDING. IF A LIFT DOES NOT PROVIDE 80 INCH VERTICAL CLEARANCE IT CANNOT BE CONSIDERED PART OF AN ACCESSIBLE ROUTE IN NEW CONSTRUCTION. THE A.D.A. AND OTHER FEDERAL CIVIL RIGHTS LAWS REQUIRE THAT ACCESSIBLE FEATURES BE MAINTAINED IN WORKING ORDER SO THAT THEY ARE ACCESSIBLE TO AND USABLE BY THOSE PEOPLE THEY ARE INTENDED TO BENEFIT. BUILDING OWNERS ARE REMINDED THAT THE ASME A18 SAFETY STANDARD FOR PLATFORM LIFTS AND STAIRWAY CHAIRLIFTS REQUIRES ROUTINE MAINTENANCE AND INSPECTIONS. ISOLATED OR TEMPORARY INTERRUPTIONS IN SERVICE DUE TO MAINTENANCE OR REPAIRS MAY BE UNAVOIDABLE; HOWEVER, FAILURE TO TAKE PROMPT ACTION TO EFFECT REPAIRS COULD CONSTITUTE A VIOLATION OF FEDERAL LAWS AND THESE REQUIREMENTS

410.2 FLOOR SURFACES. FLOOR SURFACES IN PLATFORM LIFTS SHALL COMPLY WITH 302 & 303.

410.3 CLEAR FLOOR SPACE. CLEAR FLOOR SPACE IN PLATFORM LIFTS SHALL COMPLY WITH 305.



410.4 PLATFORM TO RUNWAY **CLEARANCE.** THE CLEARANCE BETWEEN THE PLATFORM SILL AND THE EDGE OF ANY RUNWAY LANDING SHALL BE 1 INCH MAXIMUM.

410.5 OPERABLE PARTS. CONTROLS FOR PLATFORM LIFTS SHALL COMPLY WITH 309.

410.6 DOORS AND GATES. PLATFORM LIFTS SHALL HAVE LOW-ENERGY POWER-OPERATED DOORS OR GATES COMPLYING WITH 404.3 DOORS SHALL REMAIN OPEN FOR 20 SECONDS MINIMUM. END DOORS AND GATES SHALL PROVIDE A CLEAR WIDTH 32 INCHES MINIMUM. SIDE DOORS AND GATES SHALL PROVIDE A CLEAR WIDTH **42 INCHES MINIMUM**

EXCEPTION: PLATFORM LIFTS SERVING TWO LANDINGS MAXIMUM AND HAVING DOORS OR GATES ON OPPOSITE SIDES SHALL BE PERMITTED TO HAVE SELF-CLOSING MANUAL DOORS OR GATES

CHAPTER 5: GENERAL SITE AND BUILDING ELEMENTS

501 GENERAL

501.1 SCOPE. THE PROVISIONS OF CHAPTER 5 SHALL APPLY WHERE REQUIRED BY CHAPTER 2 OR WHERE REFERENCED BY A REQUIREMENT IN THIS DOCUMENT

502 PARKING SPACES

502.1 GENERAL. CAR AND VAN PARKING SPACES SHALL COMPLY WITH 502. WHERE PARKING SPACES ARE MARKED WITH LINES, WIDT MEASUREMENTS OF PARKING SPACES AND AISLES SHALL BE MADE FROM THE CENTERLINE OF THE MARKINGS

> **EXCEPTION:** WHERE PARKING SPACES OR ACCESS AISLES ARE NOT ADJACENT TO ANOTHER PARKING SPACE OR ACCESS AISLE MEASUREMENTS SHALL BE PERMITTED TO INCLUDE THE FULL WIDTH OF THE LINE DEFINING THE PARKING SPACE OR ACCESS AISLE

502.2 VEHICLE SPACES. CAR PARKING SPACES SHALL BE 96 INCHES WIDE MINIMUM AND VAN PARKING SPACES SHALL BE 132 INCHES WIDE MINIMUM. SPACES SHALL BE MARKED WITH TO DEFINE THE WIDTH AND SHALL HAVE AN ADJACENT ACCESS AISLE COMPLYING WITH 502.3

EXCEPTION: VAN PARKING SPACES SHALL BE PERMITTED TO BE 96 INCHES WIDE MINIMUM WHERE THE ACCESS AISLE IS 96 INCHES WIDE MINIMUM

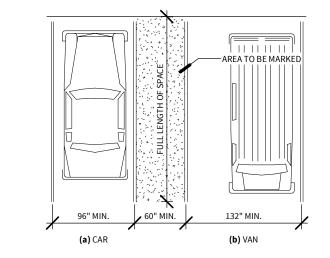


FIGURE 502.2 VEHICLE PARKING SPACES AND FIGURED 502.3 PARKING SPACE ACCESS AISLE

502.3 ACCESS AISLE. ACCESS AISLES SERVING PARKING SPACES SHALL COMPLY WITH 502.3. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE.

502.3.1 WIDTH. ACCESS AISLES SERVING CAR AND VAN PARKING SPACES SHALL BE 60 INCHES WIDE MINIMUM

502.3.2 LENGTH. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACES THEY SERVE.

502.3.3 MARKING. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.

502.3.4 LOCATION. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.

502.4 FLOOR OR GROUND SURFACES. PARKING SPACES AND ACCESS AISLES SERVING THEM HALL COMPLY WITH 302. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE AND CHANGES IN LEVEL ARE NOT PERMITTED **EXCEPTION:** SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED

502.4 FLOOR OR GROUND SURFACES. PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH 302. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.

502.5 VERTICAL CLEARANCE. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 98 INCHES MINIMUM.

502.6 IDENTIFICATION. PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 703.7.2.1. SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN THE DESIGNATION "VAN ACCESSIBLE." SIGNS SHALL BE 60 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

502.7 RELATIONSHIP TO ACCESSIBLE ROUTES. PARKING SPACES AND ACCESS AISLES SHALL BE DESIGNED SO THAT CARS AND VANS, WHEN PARKED, CANNOT OBSTRUCT THE REQUIRED CLEAR WIDTH OF ADJACENT ACCESSIBLE ROUTES

503 PASSENGER LOADING ZONES

503.2 VEHICLE PULL-UP SPACE. PASSENGER LOADING ZONES SHALL PROVIDE A VEHICULAR PULL-UP SPACE 96 INCHES WIDE MINIMUM AND 20 FEET LONG MINIMUM.

503.3 ACCESS AISLE. PASSENGER LOADING ZONES SHALL PROVIDE ACCESS AISLES COMPLYING WITH 503 ADJACENT TO THE VEHICLE PULL-UP SPACE. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE AND SHALL NOT OVERLAP THE VEHICULAR WAY.

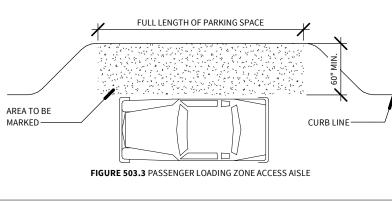
503.3.1 WIDTH. ACCESS AISLES SERVING VEHICLE PULL-UP SPACES SHALL BE 60 INCHES WIDE MINIMUM

503.3.2 LENGTH. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE VEHICLE PULL-UP SPACES THEY SERVE.

503.3.3 MARKING. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.

503.4 FLOOR AND GROUND SURFACES. VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL COMPLY WITH 302. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

503.5 VERTICAL CLEARANCE. VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM, AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER LOADING ZONE, AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SHALL PROVIDE A VERTICAL CLEARANCE OF 114 INCHES MINIMUM.



504 STAIRWAYS

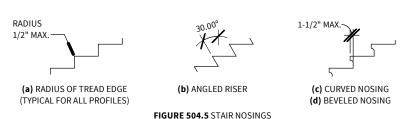
504.1 GENERAL. STAIRS THAT ARE PART OF THE MEANS OF EGRESS IS REQUIRED TO COMPLY WITH 504

504.2 TREADS AND RISERS. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE 4 INCHES HIGH MINIMUM AND 7 INCHES HIGH MAXIMUM. TREADS SHALL BE 11 INCHES DEEP MINIMUM.

504.3 OPEN RISERS. OPEN RISERS ARE NOT PERMITTED.

504.4 TREAD SURFACE. STAIR TREADS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED.

504.5 NOSINGS. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 IN. MAX. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAX. FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 1 1/2 IN. MAX. OVER THE TREAD BELOW.



504.6 HANDRAILS. STAIRS SHALL HAVE HANDRAILS COMPLYING WITH 505.

602.5 SPOUT LOCATION. THE SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT (WALL OR STAND) AND 5 504.7 WET CONDITIONS. STAIR TREADS AND LANDINGS SUBJECT TO INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE BUMPERS ACCUMULATION OF WATER.

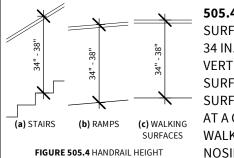
OUTLET LOCATION 602.6 WATER FLOW. THE SPOUT SHALL PROVIDE A FLOW OF WATER **505 HANDRAILS** 4 INCHES HIGH MINIMUM AND SHALL BE LOCATED 5 INCHES 604.8 TOILET COMPARTMENTS. WHEELCHAIR ACCESSIBLE TOILET **505.1 GENERAL.** HANDRAILS PROVIDED ALONG WALKING SURFACES MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER COMPARTMENTS SHALL MEET THE REQUIREMENTS OF 604.8.1 AND COMPLYING WITH 403, REQUIRED AT RAMPS COMPLYING WITH 405, & STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE 604.8.3. COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING REQUIRED AT STAIRS COMPLYING WITH 504 SHALL COMPLY WITH 505 FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN FIXTURE SHALL COMPLY WITH 603. AMBULATORY ACCESSIBLE ADVISORY: 505.1 GENERAL. HANDRAILS ARE REQUIRED ON 3 INCHES OF THE FRONT OF THE UNIT. THE ANGLE OF THE WATER COMPARTMENTS SHALL COMPLY WITH 604.8.2 AND 604.8.3 RAMP RUNS WITH A RISE GREATER THAN 6 INCHES (SEE STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE 405.8) AND ON CERTAIN STAIRWAYS (SEE 504) HANDRAILS LOCATED BETWEEN 3 INCHES AND 5 INCHES MAXIMUM FROM THE 604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS. WHEELCHAIR ARE NOT REQUIRED ON WALKING SURFACES WITH RUNNING FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.1 SLOPES LESS THAN 1:20 HOWEVER, HANDRAILS ARE 15 DEGREES MAXIMUM.

1:20 (SEE 403.6) SECTION 505.2, 505.3, AND 505.10 DO NOT APPLY TO HANDRAILS PROVIDED ON WALKING SURFACES

ONLY REFERENCE REQUIREMENTS FOR RAMPS AND STAIRS

505.2 WHERE REQUIRED. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS.

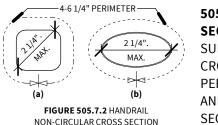
505.3 CONTINUITY. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP 38 INCHES MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES.



505.5 CLEARANCE. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1 1/2" MINIMUM

505.6 GRIPPING SURFACE. HANDRAIL GRIPPING SURFACES SHALI BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL PROJECTIONS SHALL OCCUR 1 1/2 INCHES MINIMUM BELOW THE BOTTOM OF THE HANDRAIL GRIPPING SURFACE.

505.7.1 CIRCULAR CROSS SECTION. HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 IN. MIN. AND 2 IN. MAX.



505.8 SURFACES. HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.

505.9 FITTINGS. HANDRAILS SHALL NOT ROTATE WITHIN FITTINGS.

REQUIRED TO COMPLY WITH 505 WHEN THEY ARE PROVIDED ON WALKING SURFACES WITH RUNNING SLOPES LESS THAN WITH RUNNING SLOPES LESS THAN 1:20 AS THESE SECTIONS

> 505.4 HEIGHT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 IN. MIN. AND 38 IN. MAX. VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, & RAMP - SURFACES. HANDRAILS SHALL BE

AT A CONSISTENT HEIGHT ABOVE SURFACES WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES.

> 505.7.2 NON-CIRCULAR CROSS **SECTIONS.** HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4" MIN. AND 6 1/4" MAX., AND A CROSS-SECTION DIMENSION OF 2 1/4" MAX.

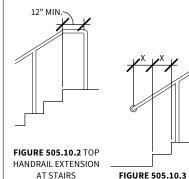
505.10 HANDRAIL EXTENSIONS. HANDRAIL GRIPPING SURFACES SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF STAIR FLIGHTS AND RAMP RUNS IN ACCORDANCE WITH 505.10.

505.10.1 TOP AND BOTTOM EXTENSION AT RAMPS. RAMP HANDRAILS SHALL EXTEND HORIZ. ABOVE THE LANDING FOR 12" MIN. BEYOND THE TOP & BOTTOM OF 12" MIN.~

FIGURE 505.10.1 TOP AND BOTTOM HANDRAIL EXTENSION AT RAMPS

RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN.

505.10.2 TOP EXTENSION AT STAIRS. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES MINIMUM BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.



AT STAIRS

505.10.3 BOTTOM EXTENSION AT **STAIRS.** AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE AT LEAST EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. EXTENSION SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE EXTENSION AT STAIRS CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES

602 DRINKING FOUNTAINS

BOTTOM HANDRAIL

NOTE: X = TREAD DEPTH

602.2 CLEAR FLOOR SPACE. UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE

COMPLYING WITH 306 SHALL BE PROVIDED **EXCEPTION:** A PARALLEL APPROACH COMPLYING WITH 305 SHALL BE PERMITTED AT UNITS FOR CHILDREN'S USE WHERE THE SPOUT IS 30 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND AND IS 3 1/2 INCHES MAXIMUM

FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS

602.3 OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY W/ 309.

602.4 SPOUT HEIGHT. SPOUT OUTLETS SHALL BE 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND

602.7 DRINKING FOUNTAINS FOR STANDING PERSONS. SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38 INCHES MINIMUM AND 43 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

603 TOILET AND BATHING ROOMS

603.2 CLEARANCES. CLEARANCES SHALL COMPLY WITH 603.2

603.2.1 TURNING SPACE. TURNING SPACE COMPLYING WITH 304 SHALL BE PROVIDED WITHIN THE ROOM.

603.2.2 OVERLAP. REQUIRED CLEAR FLOOR SPACES, CLEARANCE AT FIXTURES, AND TURNING SPACE SHALL BE PERMITTED TO OVERLAP

603.2.3 DOOR SWING. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE.

603.3 MIRRORS. MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

603.4 COAT HOOKS AND SHELVES. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308. SHELVES SHALL BE LOCATED 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR.

604 WATER CLOSETS AND TOILET COMPARTMENTS

604.2 LOCATION. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN

THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.8.2. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH.

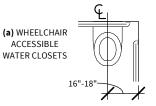
(b) AMBULATORY

ACCESSIBLE

FIGURE 604.2 WATER CLOSET LOCATION

WATER CLOSETS

17"-19



604.3.1 SIZE. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 IN. MIN. MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56 IN. MIN. MEASURED PERPENDICULAR FROM THE REAR WALL.

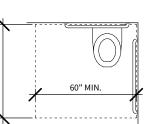


FIGURE 604.3.1 SIZE OF

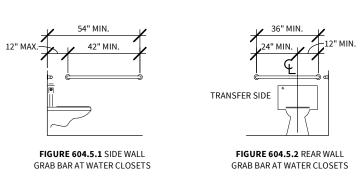
604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER **CLOSET SHALL BE PERMITTED TO** OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN **DISPOSAL UNITS, COAT HOOKS,**

CLEARANCE AT WATER CLOSETS SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

604.4 SEATS. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL.

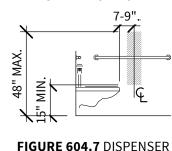
604.5.1 SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL



604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE.

604.6 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH 604.8.2.

604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH 309.4 AND SHALL BE 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE

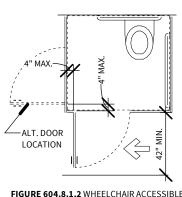


CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW.

604.8.1.1 SIZE. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL BE 60 INCHES WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 56 INCHES DEEP MINIMUM FOR WALL HUNG WATER CLOSETS AND 59 INCHES DEEP MINIMUM FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL. WHEELCHAIR ACCESSIBLE COMPARTMENTS FOR CHILDREN'S USE SHALL BE 60 INCHES WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 59 INCHES DEEP MINIMUM FOR WALL HUNG AND FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.



604.8.1.2 DOORS. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH 404 EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 42 INCHES MINIMUM. DOORS SHALL BE LOCATED IN THE FRONT PARTITION OR IN THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE FRONT PARTITION, THE DOOR OPENING SHALL BE 4 INCHES

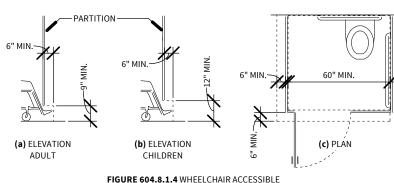


IN THE SIDE WALL OR PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE FRONT PARTITION. THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL COMPLYING WITH 404.2.7 SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM

REQUIRED COMPARTMENT AREA. TOILET COMPARTMENT DOORS **604.8.1.3 APPROACH.** COMPARTMENTS SHALL BE ARRANGED FOR

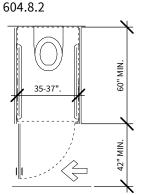
LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET

604.8.1.4 TOE CLEARANCE. THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES DEEP MINIMUM BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION. EXCLUSIVE OF PARTITION SUPPORT MEMBERS. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES MINIMUM ABOVE THE FINISH FLOOR. EXCEPTION: TOE CLEARANCE AT THE FRONT PARTITION IS NOT REQUIRED IN A COMPARTMENT



604.8.1.5 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609. A SIDE WALL GRAB BAR COMPLYING WITH 604.5.1 SHALL BE PROVIDED AND SHALL BE LOCATED ON THE WALL CLOSEST TO THE WATER CLOSET IN ADDITION, A REAR-WALL GRAB BAR COMPLYING WITH 604.5.2 SHALL BE PROVIDED.

604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH



BETWEEN THE DOOR SIDE OF THE FIGURE 604.8.2 COMPARTMENT AND ANY OBSTRUCTION AMBULATORY ACCESSIBLE TOILET COMPARTMENT SHALL BE 42 INCHES MINIMUM. THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL COMPLYING WITH 404.2.7 SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH TOILET COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.

604.8.2.3 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609. A SIDE-WALL GRAB BAR COMPLYING WITH 604.5.1 SHALL BE PROVIDED ON BOTH SIDES OF THE COMPARTMENT.

604.8.3 COAT HOOKS AND SHELVES. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308. SHELVES SHALL BE LOCATED 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR.

604.9 WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE. WATER CLOSETS & TOILET COMPARTMENTS FOR CHILDREN'S USE SHALL COMPLY WITH 604.9

604.9.1 LOCATION. THE WATER CLOSET SHALL BE LOCATED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 12 INCHES MINIMUM AND 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.8.2. COMPARTMENTS SHALL BE ARRANGED FOR LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET.

604.9.2 CLEARANCE. CLEARANCE AROUND A WATER CLOSET SHALL COMPLY WITH 604.3.

604.9.3 HEIGHT. THE HEIGHT OF WATER CLOSETS SHALL BE 11 IN MIN. AND 17 IN. MAX. MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.9.4 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 604.5.

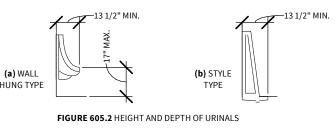
604.9.5 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309.2 AND 309.4 AND SHALL BE INSTALLED 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLYING WITH 604.8.2.

604.9.6 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH 309.4 AND SHALL BE 7 INCHES MM) MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 14 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE TH FINISH FLOOR. THERE SHALL BE A CLEARANCE OF 1 1/2 INCHES MINIMUM BELOW THE GRAB BAR. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW.

604.9.7 TOILET COMPARTMENTS. TOILET COMPARTMENTS SHALL COMPLY WITH 604.8.

605 URINALS

605.2 HEIGHT AND DEPTH. URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13 1/2 INCHES DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE



605.3 CLEAR FLOOR SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL **BE PROVIDED**

SHALL COMPLY WITH

MAXIMUM FROM THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED

GREATER THAN 62 INCHES DEEP WITH A WALL-HUNG WATER CLOSET OR 65 INCHES DEEP WITH A FLOOR-MOUNTED WATER CLOSET. TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 66 INCHES WIDE. TOE CLEARANCE A THE FRONT PARTITION IS NOT REQUIRED IN A COMPARTMENT FOR CHILDREN'S USE THAT IS GREATER THAN 65 INCHES DEEP.

TOILET COMPARTMENT TOE CLEARANCE

604.8.2.1 SIZE. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL HAVE A DEPTH OF 60 INCHES MINIMUM AND A WIDTH OF 35 INCHES MINIMUM AND 37 INCHES MAXIMUM

604.8.2.2 DOORS. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH 404 EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR, CLEARANCE

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS

606 LAVATORIES AND SINKS

606.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH 305, POSITIONED FOR A FORWARD APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED.

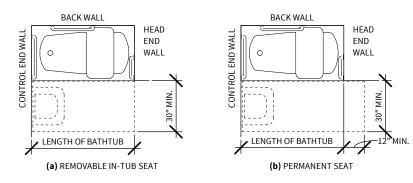
606.3 HEIGHT. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

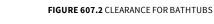
606.4 FAUCETS. CONTROLS FOR FAUCETS SHALL COMPLY WITH 309 HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM

606.5 EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

607 BATHTUBS

607.2 CLEARANCE. CLEARANCE IN FRONT OF BATHTUBS SHALL EXTEND THE LENGTH OF THE BATHTUB AND SHALL BE 30 INCHES WIDE MINIMUM. A LAVATORY COMPLYING WITH 606 SHALL BE PERMITTED AT THE CONTROL END OF THE CLEARANCE. WHERE A PERMANENT SEAT IS PROVIDED AT THE HEAD END OF THE BATHTUB, THE CLEARANCE SHALL EXTEND 12 INCHES (305 MM) MINIMUM BEYOND THE WALL AT THE HEAD END OF THE BATHTUB.





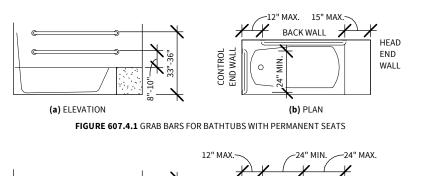
607.3 SEAT. A PERMANENT SEAT AT THE HEAD END OF THE BATHTUB OR A REMOVABLE IN-TUB SEAT SHALL BE PROVIDED. SEATS SHALL COMPLY WITH 610.

607.4 GRAB BARS. GRAB BARS FOR BATHTUBS SHALL COMPLY WITH 609 AND SHALL BE PROVIDED IN ACCORDANCE WITH 607.4.1 OR 607.4.2

607.4.1 BATHTUBS WITH PERMANENT SEATS. FOR BATHTUBS WITH PERMANENT SEATS, GRAB BARS SHALL BE PROVIDED IN ACCORDANCE WITH 607.4.1

607.4.1.1 BACK WALL. TWO GRAB BARS SHALL BE INSTALLED ON THE BACK WALL, ONE LOCATED IN ACCORDANCE WITH 609.4 AND THE OTHER LOCATED 8 INCHES MINIMUM AND 10 INCHES MAXIMUM ABOVE THE RIM OF THE BATHTUB. EACH GRAB BAR SHALL BE INSTALLED 15 INCHES MAXIMUM FROM THE HEAD END WALL AND 12 INCHES MAXIMUM FROM THE CONTROL END WALL

607.4.1.2 CONTROL END WALL. A GRAB BAR 24 INCHES (610 MM) LONG MINIMUM SHALL BE INSTALLED ON THE CONTROL END AT THE FRONT EDGE OF THE BATHTUB.



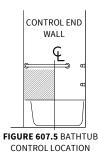
(a) ELEVATION FIGURE 607.4.2 GRAB BARS FOR BATHTUBS WITH REMOVABLE IN-TUB SEATS

607.4.2 BATHTUBS WITHOUT PERMANENT SEATS. FOR BATHTUBS WITHOUT PERMANENT SEATS, GRAB BARS SHALL COMPLY WITH 607.4.2

607.4.2.1 BACK WALL. TWO GRAB BARS SHALL BE INSTALLED ON THE BACK WALL, ONE LOCATED IN ACCORDANCE WITH 609.4 AND OTHER LOCATED 8 INCHES MINIMUM AND 10 INCHES MAXIMUM ABOVE THE RIM OF THE BATHTUB. EACH GRAB BAR SHALL BE 24 INCHES LONG MINIMUM AND SHALL BE INSTALLED 24 INCHES MAXIMUM FROM THE HEAD END WALL AND 12 INCHES MAXIMUM FROM THE CONTROL END WALL.

607.4.2.2 CONTROL END WALL. A GRAB BAR 24 INCHES LONG MINIMUM SHALL BE INSTALLED ON THE CONTROL END WALL AT THE FRONT EDGE OF THE BATHTUB.

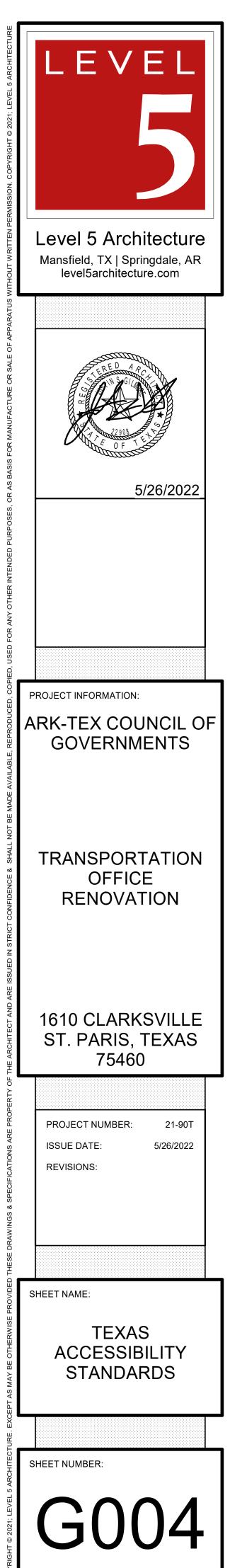
607.4.2.3 HEAD END WALL. A GRAB BAR 12 INCHES (305 MM) LONG MINIMUM SHALL BE INSTALLED ON THE HEAD END WALL AT THE FRONT EDGE OF THE BATHTUB.



607.5 CONTROLS. CONTROLS, OTHER THAN DRAIN STOPPERS, SHALL BE LOCATED ON AN END WALL. CONTROLS SHALL BE BETWEEN THE BATHTUB RIM AND GRAB BAR, AND BETWEEN THE OPEN SIDE OF THE BATHTUB AND THE CENTERLINE OF THE WIDTH OF THE BATHTUB. CONTROLS SHALL COMPLY WITH 309.4.

607.6 SHOWER SPRAY UNIT AND WATER. A SHOWER SPRAY UNIT WITH A HOSE 59 INCHES LONG MINIMUM THAT CAN BE USED BOTH AS A FIXED-POSITION SHOWER HEAD AND AS A HAND-HELD SHOWER SHALL BE PROVIDED. THE SHOWER SPRAY UNIT SHALL HAVE AN ON/OFF CONTROL WITH A NON-POSITIVE SHUT-OFF. IF AN ADJUSTABLE-HEIGHT SHOWER HEAD ON A VERTICAL BAR IS USED, THE BAR SHALL BE INSTALLED SO AS NOT TO OBSTRUCT THE USE OF GRAB BARS. BATHTUB SHOWER SPRAY UNITS SHALL DELIVER WATER THAT IS 120°F (49°C) MAXIMUM.

607.7 BATHTUB ENCLOSURES. ENCLOSURES FOR BATHTUBS SHALL NOT OBSTRUCT CONTROLS, FAUCETS, SHOWER AND SPRAY UNITS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS ONTO BATHTUB SEATS OR INTO BATHTUBS. ENCLOSURES ON BATHTUBS SHALL NOT HAVE TRACKS INSTALLED ON THE RIM OF THE OPEN FACE OF THE BATHTUB.

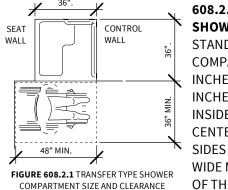


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608 SHOWER COMPARTMENTS

608.2 SIZE AND CLEARANCES FOR SHOWER COMPARTMENTS. SHOWER COMPARTMENTS SHALL HAVE SIZES AND CLEARANCES COMPLYING WITH 608.2.

608.2.1 TRANSFER TYPE SHOWER COMPARTMENTS. TRANSFER TYPE SHOWER COMPARTMENTS SHALL BE 36 INCHES BY 36 INCHES CLEAR INSIDE DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 36 INCH WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT. CLEARANCE OF 36 INCHES WIDE MINIMUM BY 48 INCHES LONG MINIMUM MEASURED FROM THE CONTROL WALL SHALL BE PROVIDED.

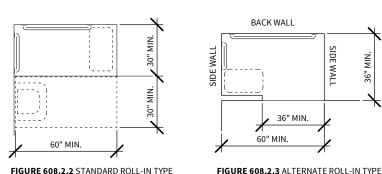


608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 30 **INCHES WIDE MINIMUM BY 60**

INCHES DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 60 INCHES WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT.

SHOWER COMPARTMENT SIZE AND CLEARANC

608.2.2.1 CLEARANCE. A 30 INCH WIDE MINIMUM BY 60 INCH LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT

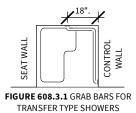


SHOWER COMPARTMENT SIZE AND CLEARANCE

608.2.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS. ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 36

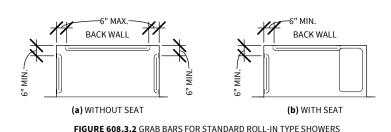
INCHES WIDE AND 60 INCHES DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES. A 36 INCH WIDE MINIMUM ENTRY SHALL BE PROVIDED AT ONE END OF THE LONG SIDE OF THE COMPARTMENT.

608.3 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609 AND SHALL BE PROVIDED IN ACCORDANCE WITH 608.3. WHERE MULTIPLE GRAB BARS ARE USED, REQUIRED HORIZONTAL GRAB BARS SHALL BE INSTALLED AT THE SAME HEIGHT ABOVE THE FINISH FLOOR.

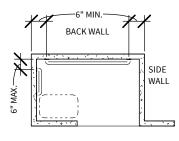


608.3.1 TRANSFER TYPE SHOWER **COMPARTMENTS.** IN TRANSFER TYPE COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ACROSS THE CONTROL WALL FIGURE 608.3.1 GRAB BARS FOR AND BACK WALL TO A POINT 18 INCHES FROM THE CONTROL WALL

608.3.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. WHERE A SEAT IS PROVIDED IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THE BACK WALL AND THE SIDE WALL OPPOSITE THE SEAT. GRAB BARS SHALL NOT BE PROVIDED ABOVE THE SEAT, WHERE A SEAT IS NOT PROVIDED IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THREE WALLS. GRAB BARS SHALL BE INSTALLED 6 INCHES MAXIMUM FROM ADJACENT WALLS.



608.3.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS. IN ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THE BACK WALL AND THE SIDE WALL FARTHEST FROM THE COMPARTMENT ENTRY. GRAB BARS SHALL NOT BE PROVIDED ABOVE THE SEAT. GRAB BARS SHALL BE INSTALLED 6 INCHES MAXIMUM FROM ADJACENT WALLS.

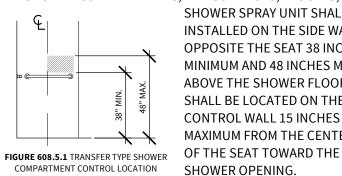


608.4 SEATS. A FOLDING OR NON-FOLDING SEAT SHALL BE PROVIDED IN TRANSFER TYPE SHOWER COMPARTMENTS. A FOLDING SEAT SHALL BE PROVIDED IN ROLL-IN TYPE SHOWERS REQUIRED IN TRANSIENT LODGING GUEST ROOMS WITH MOBILITY FEATURES COMPLYING WITH 806.2. SEATS SHALL COMPLY WITH 610.

FIGURE 608.3.3 GRAB BARS FOR ALTERNATE ROLL-IN TYPE SHOWERS

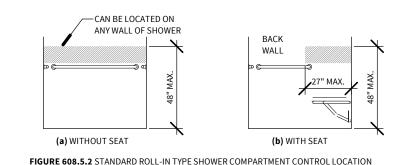
608.5 CONTROLS. CONTROLS, FAUCETS, AND SHOWER SPRAY UNITS SHALL COMPLY WITH 309.4.

608.5.1 TRANSFER TYPE SHOWER COMPARTMENTS. IN TRANSFER TYPE SHOWER COMPARTMENTS, THE CONTROLS, FAUCETS, AND

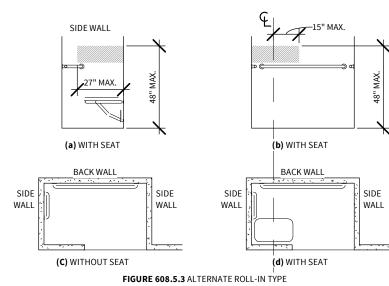


SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE SIDE WALL OPPOSITE THE SEAT 38 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE SHOWER FLOOR AND SHALL BE LOCATED ON THE CONTROL WALL 15 INCHES MAXIMUM FROM THE CENTERLINE

608.5.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE LOCATED ABOVE THE GRAB BAR, BUT NO HIGHER THAN 48 INCHES ABOVE THE SHOWER FLOOR. WHERE A SEAT IS PROVIDED, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE BACK WALL ADJACENT TO THE SEAT WALL AND SHALL BE LOCATED 27 INCHES (685 MM) MAXIMUM FROM THE SEAT WALL



608.5.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS. IN ALTERNATE ROLL-IN TYPE SHOWER BAR, BUT NO HIGHER THAN 48 IN. ABOVE THE SHOWER FLOOR. WHERE A SEAT IS PROVIDED, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE LOCATED ON THE SIDE WALL SHOWER. SPRAY UNIT SHALL BE INSTALLED ON THE SIDE WALL FARTHEST FROM THE COMPARTMENT ENTRY.



SHOWER COMPARTMENT CONTROL LOCATION

608.6 SHOWER SPRAY UNIT AND WATER. A SHOWER SPRAY UNIT WITH A HOSE 59 INCHES LONG MINIMUM THAT CAN BE USED BOTH AS A FIXED-POSITION SHOWER HEAD AND AS A HAND-HELD SHOWER SHALL BE PROVIDED. THE SHOWER SPRAY UNIT SHALL HAVE AN ON/OFF CONTROL WITH A NON-POSITIVE SHUT-OFF. IF AN ADJUSTABLE-HEIGHT SHOWER HEAD ON A VERTICAL BAR IS USED, THE BAR SHALL BE INSTALLED SO AS NOT TO OBSTRUCT THE USE OF GRAB BARS. SHOWER SPRAY UNITS SHALL DELIVER WATER THAT IS 120°F (49°C) MAXIMUM..

608.7 THRESHOLDS. THRESHOLDS IN ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 1/2 INCH HIGH MAXIMUM IN ACCORDANCE WITH 303. IN TRANSFER TYPE SHOWER COMPARTMENTS, THRESHOLDS 1/2 INCH HIGH MAXIMUM SHALL BE BEVELED, ROUNDED, OR VERTICAL.

609 GRAB BARS

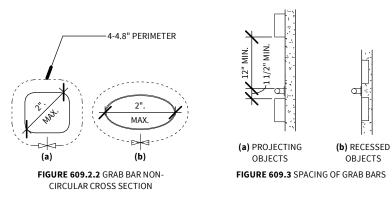
608.8 SHOWER ENCLOSURES. ENCLOSURES FOR SHOWER COMPARTMENTS SHALL NOT OBSTRUCT CONTROLS, FAUCETS, AND SHOWER SPRAY UNITS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS ONTO SHOWER SEATS.

609.1 GENERAL. GRAB BARS IN TOILET FACILITIES AND BATHING FACILITIES SHALL COMPLY WITH 609.

609.2 CROSS SECTION. GRAB BARS SHALL HAVE A CROSS SECTION COMPLYING WITH 609.2.1 OR 609.2.2.

609.2.1 CIRCULAR CROSS SECTION. GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCHES (32 MM) MINIMUM AND 2 INCHES MAX.

609.2.2 NON-CIRCULAR CROSS SECTION. GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A CROSS-SECTION DIMENSION OF 2 INCHES MAXIMUM AND A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 4.8 INCHES MAXIMUM.



609.3 SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2 INCHES. THE SPACE BETWEEN THE GRAB BAR AND

(b) RECESSED

OBJECTS

PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2 INCHES MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES MINIMUM.

609.4 POSITION OF GRAB BARS. GRAB BARS SHALL BE INSTALLED MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE INSTALLED IN A HORIZONTAL POSITION 18 INCHES MINIMUM AND 27 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. THE HEIGHT OF THE LOWER GRAB BAR OR 607.4.2.1.

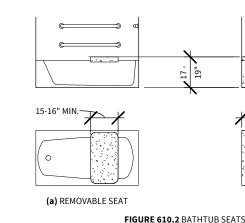
609.5 SURFACE HAZARDS. GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR

609.7 INSTALLATION. GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDES A GRIPPING SURFACE AT THE SPECIFIED LOCATIONS AND THAT DOES NOT OBSTRUCT THE REQUIRED CLEAR FLOOR SPACE.

609.8 STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE

610 SEATS

610.2 BATHTUB SEATS. THE TOP OF BATHTUB SEATS SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE BATHROOM 703.2.2 CASE. CHARACTERS SHALL BE UPPERCASE. FINISH FLOOR. THE DEPTH OF A REMOVABLE IN-TUB SEAT SHALL BE 15 INCHES MINIMUM AND 16 INCHES MAXIMUM. THE SEAT SHALL BE **703.2.3 STYLE.** CHARACTERS SHALL BE SANS SERIF. CHARACTERS CAPABLE OF SECURE PLACEMENT. PERMANENT SEATS AT THE HEAD SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF END OF THE BATHTUB SHALL BE 15 INCHES DEEP MINIMUM AND OTHER UNUSUAL FORMS. SHALL EXTEND FROM THE BACK WALL TO OR BEYOND THE OUTER EDGE OF THE BATHTUB.



610.3 SHOWER COMPARTMENT SEATS. WHERE A SEAT IS PROVIDED IN A STANDARD ROLL-IN SHOWER COMPARTMENT, IT SHALL BE A FOLDING TYPE, SHALL BE INSTALLED ON THE SIDE WALL ADJACENT TO THE CONTROLS, AND SHALL EXTEND FROM THE BACK WALL TO A POINT WITHIN 3 INCHES OF THE COMPARTMENT ENTRY. WHERE A SEAT IS PROVIDED IN AN ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT, IT SHALL BE A FOLDING TYPE, SHALL BE INSTALLED ON THE FRONT WALL OPPOSITE THE BACK WALL, AND SHALL EXTEND FROM THE ADJACENT SIDE WALL TO A POINT WITHIN 3 INCHES OF THE COMPARTMENT ENTRY. IN TRANSFER-TYPE SHOWERS, THE SEAT SHALL EXTEND FROM THE BACK WALL TO A POINT WITHIN 3 INCHES OF THE COMPARTMENT ENTRY. THE TOP OF THE SEAT SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE BATHROOM FINISH FLOOR. SEATS SHALL COMPLY WITH 310.3.2

610.3.1 RECTANGULAR SEATS. THE REAR EDGE OF A RECTANGULAR SEAT SHALL BE 2 1/2 INCHES MAXIMUM AND THE FRONT EDGE 15 INCHES (380 MM) MINIMUM AND 16 INCHES MAXIMUM FROM THE SEAT WALL. THE SIDE EDGE OF THE SEAT SHALL BE 1 1/2 INCHES MAXIMUM FROM THE ADJACENT WALL.

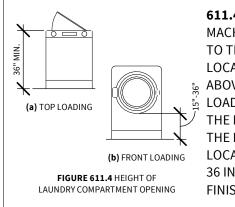
610.3.2 L-SHAPED SEATS. THE REAR EDGE OF AN L-SHAPED SEAT SHALL BE 2 1/2 INCHES MAXIMUM AND THE FRONT EDGE 15 INCHES (380 MM) MINIMUM AND 16 INCHES MAXIMUM FROM THE SEAT WALL THE REAR EDGE OF THE "L" PORTION OF THE SEAT SHALL BE 1 1/2 INCHES MAXIMUM FROM THE WALL AND THE FRONT EDGE SHALL BE 14 INCHES MINIMUM AND 15 INCHES MAXIMUM FROM THE WALL. THE END OF THE "L" SHALL BE 22 INCHES MINIMUM AND 23 INCHES MAXIMUM FROM THE MAIN SEAT WALL.

610.4 STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE SEAT, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE

611 WASHING MACHINES AND CLOTHES DRYERS 611.2 CLEAR FLOOR SPACE. A CLEAR FLOOR OR GROUND SPACE

COMPLYING WITH 305 POSITIONED FOR PARALLEL APPROACH SHALL BE PROVIDED. THE CLEAR FLOOR OR GROUND SPACE SHALL BE CENTERED ON THE APPLIANCE.

611.3 OPERABLE PARTS. OPERABLE PARTS, INCLUDING DOORS, LINT SCREENS, AND DETERGENT AND BLEACH COMPARTMENTS SHALL COMPLY WITH 309.



612 SAUNAS AND STEAM ROOMS

612.2 BENCH. WHERE SEATING IS PROVIDED IN SAUNAS AND STEAM ROOMS, AT LEAST ONE BENCH SHALL COMPLY WITH 903. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE REQUIRED BY 903.2.

612.3 TURNING SPACE. A TURNING SPACE COMPLYING WITH 304 SHALL BE PROVIDED WITHIN SAUNAS AND STEAM ROOMS

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 FIRE ALARM SYSTEMS

702.1 GENERAL. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (1999 OR 2002 EDITION) (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1), EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. IN ADDITION, ALARMS IN GUEST ROOMS REQUIRED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4-3 AND 4-4 OF NFPA 72 (1999 EDITION) OR SECTIONS 7.4 AND 7.5 OF NFPA 72 (2002 EDITION)

703 SIGNS

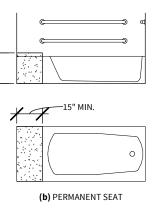
703.1 GENERAL. SIGNS SHALL COMPLY WITH 703. WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.

703.2 RAISED CHARACTERS. RAISED CHARACTERS SHALL COMPLY WITH 703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH 703.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH 703.4.

IN A HORIZONTAL POSITION, 33 INCHES MINIMUM AND 36 INCHES GRIPPING SURFACE, EXCEPT THAT AT WATER CLOSETS FOR CHILDREN'S USE COMPLYING WITH 604.9, GRAB BARS SHALL BE ON THE BACK WALL OF A BATHTUB SHALL COMPLY WITH 607.4.1.1

ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.

609.6 FITTINGS. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.



611.4 HEIGHT. TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENT LOCATED 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT LOCATED 15 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR.

703.2.1 DEPTH. RAISED CHARACTERS SHALL BE 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR BACKGROUND.

703.2.4 CHARACTER PROPORTIONS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". 703.2.5 CHARACTER HEIGHT. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I."

703.2.6 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

703.2.7 CHARACTER SPACING. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16 INCH (1.6 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8 INCH MINIMUM.

703.2.8 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.

703.3 BRAILLE. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH 703.3 AND 703.4.

703.3.1 DIMENSIONS AND CAPITALIZATION. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.

703.3.2 POSITION. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS

703.4 INSTALLATION HEIGHT AND LOCATION. SIGNS WITH TACTILE CHARACTERS SHALL COMPLY WITH 703.4.

703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.

703.4.2 LOCATION. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

703.5 VISUAL CHARACTERS. VISUAL CHARACTERS SHALL COMPLY WITH 703.5.

703.5.1 FINISH AND CONTRAST. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

703.5.2 CASE. CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.

703.5.3 STYLE. CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.5.4 CHARACTER PROPORTIONS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

703.5.5 CHARACTER HEIGHT. MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I".

703.5.6 HEIGHT FROM FINISH FLOOR OR GROUND. VISUAL CHARACTERS SHALL BE 40 INCHES (1015 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

703.5.7 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 30 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

703.5.8 CHARACTER SPACING. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10 PERCENT MINIMUM AND 35 PERCENT MAXIMUM OF CHARACTER HEIGHT.

703.5.9 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.

703.6 PICTOGRAMS. PICTOGRAMS SHALL COMPLY WITH 703.6.

703.6.1 PICTOGRAM FIELD. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.

703.6.2 FINISH AND CONTRAST. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD.

703.6.3 TEXT DESCRIPTORS. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTORS SHALL COMPLY WITH 703.2, 703.3 AND 703.4.

703.7 SYMBOLS OF ACCESSIBILITY. SYMBOLS OF ACCESSIBILITY SHALL COMPLY WITH 703.7.

703.7.1 FINISH AND CONTRAST. SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.

704 TELEPHONES

OBJECTS. (SEE SECTION 307).

704.1 GENERAL. PUBLIC TELEPHONES SHALL COMPLY WITH 704.

704.2 WHEELCHAIR ACCESSIBLE TELEPHONES. WHEELCHAIR

ACCESSIBLE TELEPHONES SHALL COMPLY WITH 704.2. 704.2.1 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED. THE CLEAR FLOOR OR GROUND SPACE SHALL NOT BE OBSTRUCTED BY BASES, ENCLOSURES, OR SEATS. ADVISORY 704.2.1 CLEAR FLOOR OR GROUND SPACE. BECAUSE CLEAR FLOOR AND GROUND SPACE IS REQUIRED TO BE UNOBSTRUCTED, TELEPHONES, ENCLOSURES AND RELATED TELEPHONE BOOK STORAGE CANNOT ENCROACH ON THE REQUIRED CLEAR FLOOR OR GROUND SPACE AND MUST COMPLY WITH THE PROVISIONS FOR PROTRUDING

704.2.1.1 PARALLEL APPROACH. WHERE A PARALLEL APPROACH IS PROVIDED, THE DISTANCE FROM THE EDGE OF THE TELEPHONE ENCLOSURE TO THE FACE OF THE TELEPHONE UNIT SHALL BE 10 INCHES MAXIMUM.

704.2.1.2 FORWARD APPROACH. WHERE A FORWARD APPROACH IS PROVIDED, THE DISTANCE FROM THE FRONT EDGE OF A COUNTER WITHIN THE TELEPHONE ENCLOSURE TO THE FACE OF THE TELEPHONE UNIT SHALL BE 20 INCHES MAXIMUM

704.2.2 OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY WITH 309. TELEPHONES SHALL HAVE PUSH-BUTTON CONTROLS WHERE SUCH SERVICE IS AVAILABLE.

704.2.3 TELEPHONE DIRECTORIES. TELEPHONE DIRECTORIES, WHERE PROVIDED, SHALL BE LOCATED IN ACCORDANCE WITH 309

704.2.4 CORD LENGTH. THE CORD FROM THE TELEPHONE TO THE HANDSET SHALL BE 29 INCHES LONG MINIMUM.

704.3 VOLUME CONTROL TELEPHONES. PUBLIC TELEPHONES REQUIRED TO HAVE VOLUME CONTROLS SHALL BE EQUIPPED WITH A RECEIVE VOLUME CONTROL THAT PROVIDES A GAIN ADJUSTABLE UP TO 20 DB MINIMUM. FOR INCREMENTAL VOLUME CONTROL, PROVIDE AT LEAST ONE INTERMEDIATE STEP OF 12 DB OF GAIN MINIMUM. AN AUTOMATIC RESET SHALL BE PROVIDED

704.4 TTYS. TTYS REQUIRED AT A PUBLIC PAY TELEPHONE SHALL BE PERMANENTLY AFFIXED WITHIN, OR ADJACENT TO, THE TELEPHONE ENCLOSURE. WHERE AN ACOUSTIC COUPLER IS USED, THE TELEPHONE CORD SHALL BE SUFFICIENTLY LONG TO ALLOW CONNECTION OF THE TTY AND THE TELEPHONE RECEIVER.

704.4.1 HEIGHT. WHEN IN USE, THE TOUCH SURFACE OF TTY KEYPADS SHALL BE 34 INCHES MINIMUM ABOVE THE FINISH FLOOR.

704.5 TTY SHELF. PUBLIC PAY TELEPHONES REQUIRED TO ACCOMMODATE PORTABLE TTYS SHALL BE EQUIPPED WITH A SHELI AND AN ELECTRICAL OUTLET WITHIN OR ADJACENT TO THE TELEPHONE ENCLOSURE. THE TELEPHONE HANDSET SHALL BE CAPABLE OF BEING PLACED FLUSH ON THE SURFACE OF THE SHELF THE SHELF SHALL BE CAPABLE OF ACCOMMODATING A TTY AND SHALL HAVE 6 INCHES MINIMUM VERTICAL CLEARANCE ABOVE THE AREA WHERE THE TTY IS TO BE PLACED.

705 DETECTABLE WARNINGS

705.1 GENERAL. DETECTABLE WARNINGS SHALL CONSIST OF A SURFACE OF TRUNCATED DOMES AND SHALL COMPLY WITH 705

705.1.1 DOME SIZE. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 INCH MINIMUM AND 1.4 INCHES MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCH.

705.1.2 DOME SPACING. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES MINIMUM AND 2.4 INCHES MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.

705.1.2 DOME SPACING. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES MINIMUM AND 2.4 INCHES MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.

705.1.3 CONTRAST. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT ON DARK OR DARK ON LIGHT

705.2 PLATFORM EDGES. DETECTABLE WARNING SURFACES AT PLATFORM BOARDING EDGES SHALL BE 24" WIDE AND SHALL EXTEND THE FULL LENGTH OF THE PUBLIC USE AREAS OF THE PLATFORM.

706 ASSISTIVE LISTENING SYSTEMS

MONO JACK

706.3 RECEIVER HEARING-AID COMPATIBILITY. RECEIVERS REQUIRED TO BE HEARING-AID COMPATIBLE SHALL INTERFACE WITH TELECOILS IN HEARING AIDS THROUGH THE PROVISION OF NECKLOOPS.

706.4 SOUND PRESSURE LEVEL. ASSISTIVE LISTENING SYSTEMS SHALL BE CAPABLE OF PROVIDING A SOUND PRESSURE LEVEL OF 110 DB MINIMUM AND 118 DB MAXIMUM WITH A DYNAMIC RANGE ON THE VOLUME CONTROL OF 50 DB.

706.5 SIGNAL-TO-NOISE RATIO. THE SIGNAL-TO-NOISE RATIO FOR INTERNALLY GENERATED NOISE IN ASSISTIVE LISTENING SYSTEMS SHALL BE 18 DB MINIMUM.

706.6 PEAK CLIPPING LEVEL. PEAK CLIPPING SHALL NOT EXCEED 18 DB OF CLIPPING RELATIVE TO THE PEAKS OF SPEECH

707 AUTOMATIC TELLER MACHINES AND FARE MACHINES

707.2 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED.

OR TOUCH, WITHOUT ACTIVATION WITH 309.2 AND 309.3

707.4 PRIVACY. AUTOMATIC TELLER MACHINES SHALL PROVIDE THE OPPORTUNITY FOR THE SAME DEGREE OF PRIVACY OF INPUT AND OUTPUT AVAILABLE TO ALL INDIVIDUALS.

707.5 SPEECH OUTPUT. MACHINES SHALL BE SPEECH ENABLED. OPERATING INSTRUCTIONS AND ORIENTATION, VISIBLE TRANSACTION PROMPTS, USER INPUT VERIFICATION, ERROR MESSAGES, AND ALL DISPLAYED INFORMATION FOR FULL USE SHALL BE ACCESSIBLE TO AND INDEPENDENTLY USABLE BY INDIVIDUALS WITH VISION IMPAIRMENTS. SPEECH SHALL BE DELIVERED THROUGH A MECHANISM THAT IS READILY AVAILABLE TO ALL USERS, INCLUDING BUT NOT LIMITED TO, AN INDUSTRY STANDARD CONNECTOR OR A TELEPHONE HANDSET. SPEECH SHALI BE RECORDED OR DIGITIZED HUMAN, OR SYNTHESIZED.

707.5.1 USER CONTROL. SPEECH SHALL BE CAPABLE OF BEING REPEATED OR INTERRUPTED. VOLUME CONTROL SHALL BE PROVIDED FOR THE SPEECH FUNCTION.

707.5.2 RECEIPTS. WHERE RECEIPTS ARE PROVIDED, SPEECH OUTPUT DEVICES SHALL PROVIDE AUDIBLE BALANCE INQUIRY INFORMATION, ERROR MESSAGES, AND ALL OTHER INFORMATION ON THE PRINTED RECEIPT NECESSARY TO COMPLETE OR VERIFY THE TRANSACTION

707.6 INPUT. INPUT DEVICES SHALL COMPLY WITH 707.6.

707.6.1 INPUT CONTROLS. AT LEAST ONE TACTILELY DISCERNIBLE INPUT CONTROL SHALL BE PROVIDED FOR EACH FUNCTION. WHERE PROVIDED, KEY SURFACES NOT ON ACTIVE AREAS OF DISPLAY SCREENS, SHALL BE RAISED ABOVE SURROUNDING SURFACES. WHERE MEMBRANE KEYS ARE THE ONLY METHOD OF INPUT, EACH SHALL BE TACTILELY DISCERNABLE FROM SURROUNDING SURFACES AND ADJACENT KEYS.

707.6.2 NUMERIC KEYS. NUMERIC KEYS SHALL BE ARRANGED IN A 12-KEY ASCENDING OR DESCENDING TELEPHONE KEYPAD LAYOUT. THE NUMBER FIVE KEY SHALL BE TACTILELY DISTINCT FROM THE OTHER KEYS.

707.6.3.1 CONTRAST. FUNCTION KEYS SHALL CONTRAST VISUALLY FROM BACKGROUND SURFACES. CHARACTERS AND SYMBOLS ON KEY SURFACES SHALL CONTRAST VISUALLY FROM KEY SURFACES. VISUAL CONTRAST SHALL BE EITHER LIGHT-ON-DARK OR

707.6.3.2 TACTILE SYMBOLS. FUNCTION KEY SURFACES SHALL HAVE TACTILE SYMBOLS AS FOLLOWS: ENTER OR PROCEED KEY: RAISED CIRCLE; CLEAR OR CORRECT KEY: RAISED LEFT ARROW; CANCEL KEY: RAISED LETTER EX; ADD VALUE KEY: RAISED PLUS SIGN; DECREASE VALUE KEY: RAISED MINUS SIGN.

707.7 DISPLAY SCREEN. THE DISPLAY SCREEN SHALL COMPLY WITH 707.7.

707.7.1 VISIBILITY. THE DISPLAY SCREEN SHALL BE VISIBLE FROM A POINT LOCATED 40 INCHES ABOVE THE CENTER OF THE CLEAR FLOOR SPACE IN FRONT OF THE MACHINE.

904.4.1 PARALLEL APPROACH. A PORTION OF THE COUNTER 707.7.2 CHARACTERS. CHARACTERS DISPLAYED ON THE SCREEN SURFACE THAT IS 36 INCHES LONG MINIMUM AND 36 INCHES HIGH SHALL BE IN A SANS SERIF FONT. CHARACTERS SHALL BE 3/16 INCH MAXIMUM ABOVE THE FINISH FLOOR SHALL BE PROVIDED. A CLEAR HIGH MINIMUM BASED ON THE UPPERCASE LETTER "I". CHARACTERS FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT POSITIONED FOR A PARALLEL APPROACH ADJACENT TO THE 36 INCH CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. MINIMUM LENGTH OF COUNTER

707.8 BRAILLE INSTRUCTIONS. BRAILLE INSTRUCTIONS FOR INITIATING THE SPEECH MODE SHALL BE PROVIDED. BRAILLE SHALL COMPLY WITH 703.3.

708 TWO-WAY COMMUNICATION SYSTEMS 708.1 GENERAL. TWO-WAY COMMUNICATION SYSTEMS SHALL COMPLY WITH 708.

708.2 AUDIBLE AND VISUAL INDICATORS. THE SYSTEM SHALL PROVIDE BOTH AUDIBLE AND VISUAL SIGNALS.

708.3 HANDSETS. HANDSET CORDS, IF PROVIDED, SHALL BE 29 INCHES LONG MINIMUM.

708.4 RESIDENTIAL DWELLING UNIT COMMUNICATION SYSTEMS. COMMUNICATIONS SYSTEMS BETWEEN A RESIDENTIAL DWELLING UNIT AND A SITE, BUILDING, OR FLOOR ENTRANCE SHALL COMPLY WITH 708.4.

708.4.1 COMMON USE OR PUBLIC USE SYSTEM INTERFACE. THE COMMON USE OR PUBLIC USE SYSTEM INTERFACE SHALL INCLUDE THE CAPABILITY OF SUPPORTING VOICE AND TTY COMMUNICATION WITH THE RESIDENTIAL DWELLING UNIT INTERFACE.

706.2 RECEIVER JACKS. RECEIVERS REQUIRED FOR USE WITH AN ASSISTIVE LISTENING SYSTEM SHALL INCLUDE A 1/8 INCH STANDARD

707.3 OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY WITH 309. UNLESS A CLEAR OR CORRECT KEY IS PROVIDED, EACH OPERABLE PART SHALL BE ABLE TO BE DIFFERENTIATED BY SOUND

> **EXCEPTION:** DRIVE-UP ONLY AUTOMATIC TELLER MACHINES AND FARE MACHINES SHALL NOT BE REQUIRED TO COMPLY

CHAPTER 9: BUILT IN ELEMENTS

902 DINING SURFACES AND WORK SURFACES

902.2 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED.

902.3 HEIGHT. THE TOPS OF DINING SURFACES AND WORK SURFACES SHALL BE 28 INCHES MINIMUM AND 34 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

902.4 DINING SURFACES AND WORK SURFACES FOR CHILDREN'S **USE.** ACCESSIBLE DINING SURFACES AND WORK SURFACES FOR CHILDREN'S USE SHALL COMPLY WITH 902.4

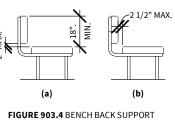
902.4.1 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED, EXCEPT THAT KNEE CLEARANCE 24 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SHALL BE PERMITTED.

902.4.2 HEIGHT. THE TOPS OF TABLES AND COUNTERS SHALL BE 26 INCHES MINIMUM AND 30 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

903 BENCHES

903.2 CLEAR FLOOR OR GROUND SPACE. CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED AND SHALL BE POSITIONED AT THE END OF THE BENCH SEAT AND PARALLEL TO THE SHORT AXIS OF THE BENCH

903.3 SIZE. BENCHES SHALL HAVE SEATS THAT ARE 42 INCHES LONG MIN. AND 20 INCHES DEEP MINIMUM AND 24 INCHES DEEP MAX.



903.4 BACK SUPPORT. THE BENCH SHALL PROVIDE FOR BACK SUPPORT OR SHALL BE AFFIXED TO A WALL. BACK SUPPORT SHALL BE 42 INCHES LONG MINIMUM AND SHALL EXTEND FROM A POINT 2 INCHES MAXIMUM ABOVE THE SEAT

SURFACE TO A POINT 18 INCHES MINIMUM ABOVE THE SEAT SURFACE. BACK SUPPORT SHALL BE 2 1/2 INCHES MAXIMUM FROM THE REAR EDGE OF THE SEAT MEASURED HORIZONTALLY.

903.5 HEIGHT. THE TOP OF THE BENCH SEAT SURFACE SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE FINISH FLOOR OR GROUND

903.6 STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE SEAT, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE

903.7 WET LOCATIONS. WHERE INSTALLED IN WET LOCATIONS, THE SURFACE OF THE SEAT SHALL BE SLIP RESISTANT AND SHALL NOT ACCUMULATE WATER

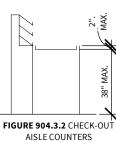
904 CHECK OUT AISLES, SALES AND SERVICE COUNTERS

904.1 GENERAL. CHECK-OUT AISLES AND SALES AND SERVICE COUNTERS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF 904

904.2 APPROACH. ALL PORTIONS OF COUNTERS REQUIRED TO COMPLY WITH 904 SHALL BE LOCATED ADJACENT TO WALKING SURFACE COMPLYING WITH 403

904.3 CHECK-OUT AISLES. CHECK-OUT AISLES SHALL COMPLY WITH 904.3.

904.3.1 AISLE. AISLES SHALL COMPLY WITH 403.



904.3.2 COUNTER. THE COUNTER SURFACE HEIGHT SHALL BE 38 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. THE TOP OF THE COUNTER EDGE PROTECTION SHALL BE 2 INCHES MAXIMUM ABOVE THE TOP OF THE COUNTER SURFACE ON THE AISLE SIDE OF THE CHECK-OUT COUNTER.

904.3.3 CHECK WRITING SURFACES. WHERE PROVIDED, CHECK WRITING SURFACES SHALL COMPLY WITH 902.3.

904.4 SALES AND SERVICE COUNTERS. SALES COUNTERS AND SERVICE COUNTERS SHALL COMPLY WITH 904.4.1 OR 904.4.2. THE ACCESSIBLE PORTION OF THE COUNTER TOP SHALL EXTEND THE SAME DEPTH AS THE SALES OR SERVICE COUNTER TOP

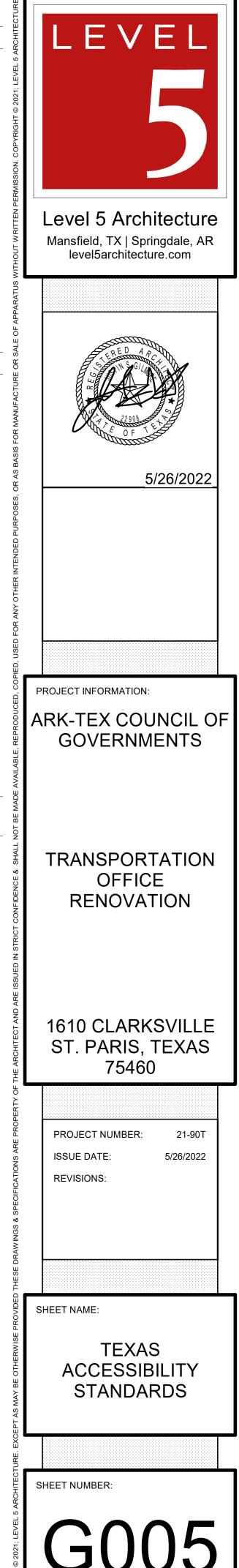
904.4.2 FORWARD APPROACH. A PORTION OF THE COUNTER SURFACE THAT IS 30 INCHES LONG MINIMUM AND 36 INCHES HIGH MAXIMUM SHALL BE PROVIDED. KNEE AND TOE SPACE COMPLYING WITH 306 SHALL BE PROVIDED UNDER THE COUNTER. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE POSITIONED FOR A FORWARD APPROACH TO THE COUNTER

904.5 FOOD SERVICE LINES. COUNTERS IN FOOD SERVICE LINES SHALL COMPLY WITH 904.5.

904.5.1 SELF-SERVICE SHELVES AND DISPENSING DEVICES. SELF-SERVICE SHELVES AND DISPENSING DEVICES FOR TABLEWARE, DISHWARE, CONDIMENTS, FOOD AND BEVERAGES SHALL COMPLY WITH 308.

904.5.2 TRAY SLIDES. THE TOPS OF TRAY SLIDES SHALL BE 28 INCHES MINIMUM AND 34 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND

904.6 SECURITY GLAZING. WHERE COUNTERS OR TELLER WINDOWS HAVE SECURITY GLAZING TO SEPARATE PERSONNEL FROM THE PUBLIC, A METHOD TO FACILITATE VOICE COMMUNICATION SHALL BE PROVIDED. TELEPHONE HANDSET DEVICES, IF PROVIDED, SHALL COMPLY WITH 704.3



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OCCUPANCY	CLASSIFICATION	DESCRIPTION	occ.	WATER O	CLOSETS	LAVATORIES		DRINKING	OTHER
			LOAD	MALE	FEMALE	MALE	FEMALE	FOUNTAINS	
В	BUSINESS	BUSINESS, PROFESSIONAL SERVICES, OTHER SERVICES INVOLVING MERCHANDISE, OFFICE BUILDINGS, BANKS, LIGHT INDUSTRIAL AND SIMILAR USES.	13	1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50	1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80	1 PE	R 100	1 PER 1,000	1 SERVICE SINK
				1 REQ'D 2 SHOWN	1 REQ'D 1 SHOWN		EQ'D OWN	1 REQ'D 1 SHOWN	1 REQ'D 1 SHOWN

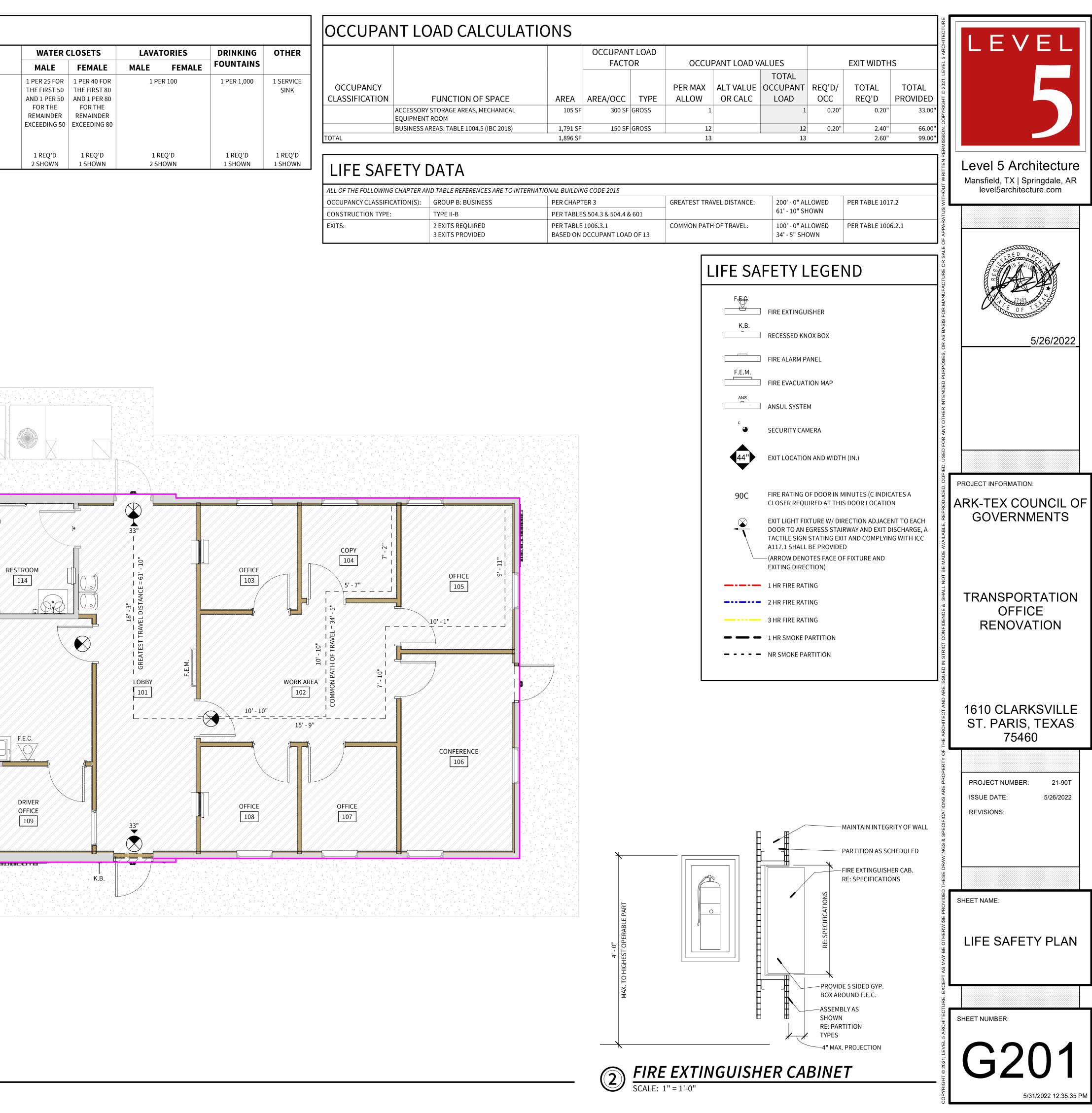
FUNCTION OF SPACE ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM LOCKER **4**33" HALL 111

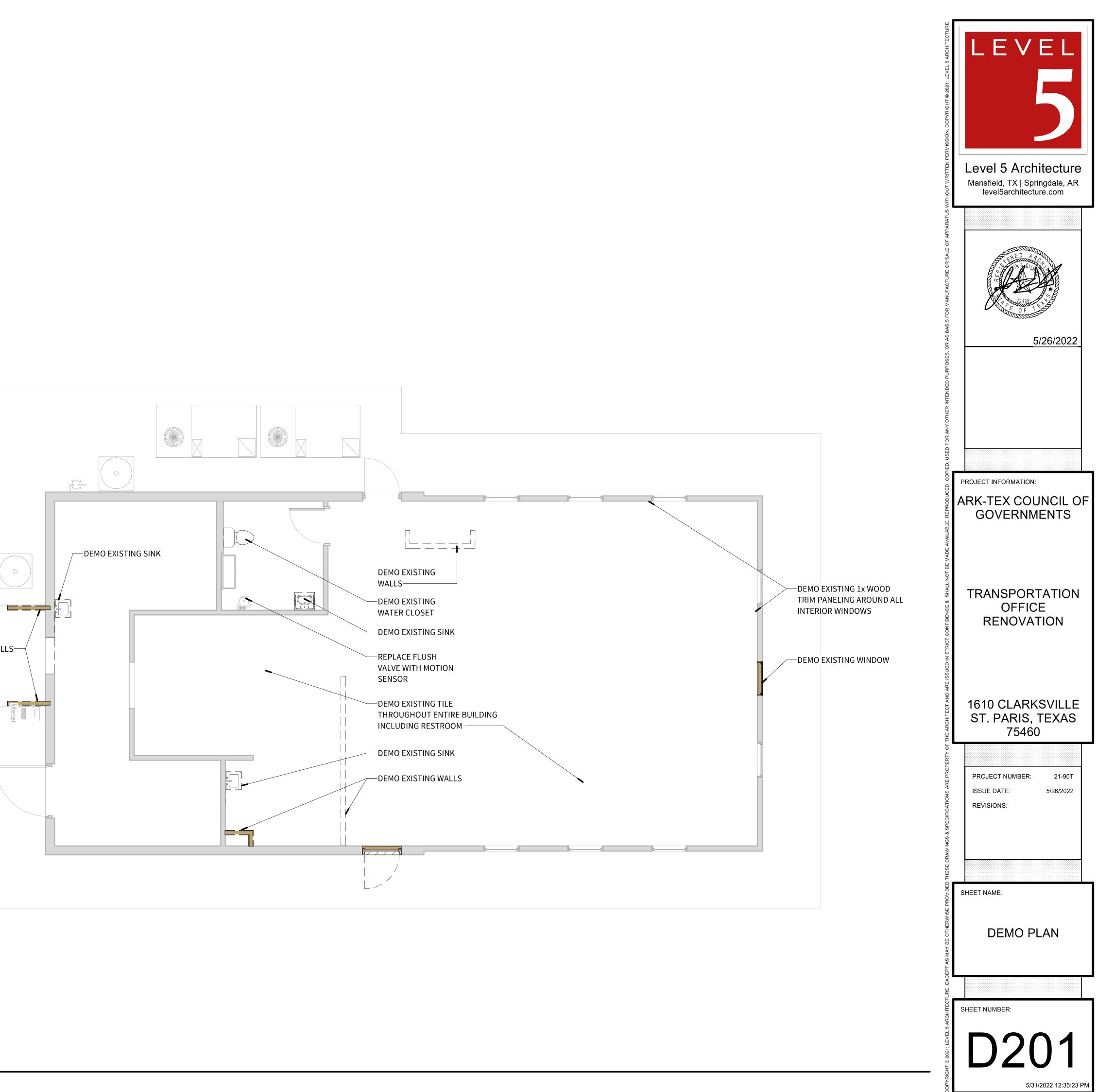
BUSINESS AREAS: TABLE 1004.5 (IBC 2018) RESTROOM 113 \otimes BREAKROOM 115 _ _ - + - -STORAGE <u>אין דרו מיום מיום מיום מיום מיום ביום אין היום מיום מיום מיום ביום אין מיום מיום ביום ביום מיום מיום ביום מיום</u>



			00
OCCUDANCY			
OCCUPANCY CLASSIFICATION	FUNCTION OF SPACE	AREA	ARE
	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	105 SF	
	BUSINESS AREAS: TABLE 1004.5 (IBC 2018)	1,791 SF	
TOTAL		1,896 SF	

ALL OF THE FOLLOWING CHAPTER AN	ID TABLE REFERENCES ARE TO INTERNATIC	NAL BUILDING CO
OCCUPANCY CLASSIFICATION(S):	GROUP B: BUSINESS	PER CHAPTER 3
CONSTRUCTION TYPE:	TYPE II-B	PER TABLES 504
EXITS:	2 EXITS REQUIRED	PER TABLE 1006
	3 EXITS PROVIDED	BASED ON OCCU





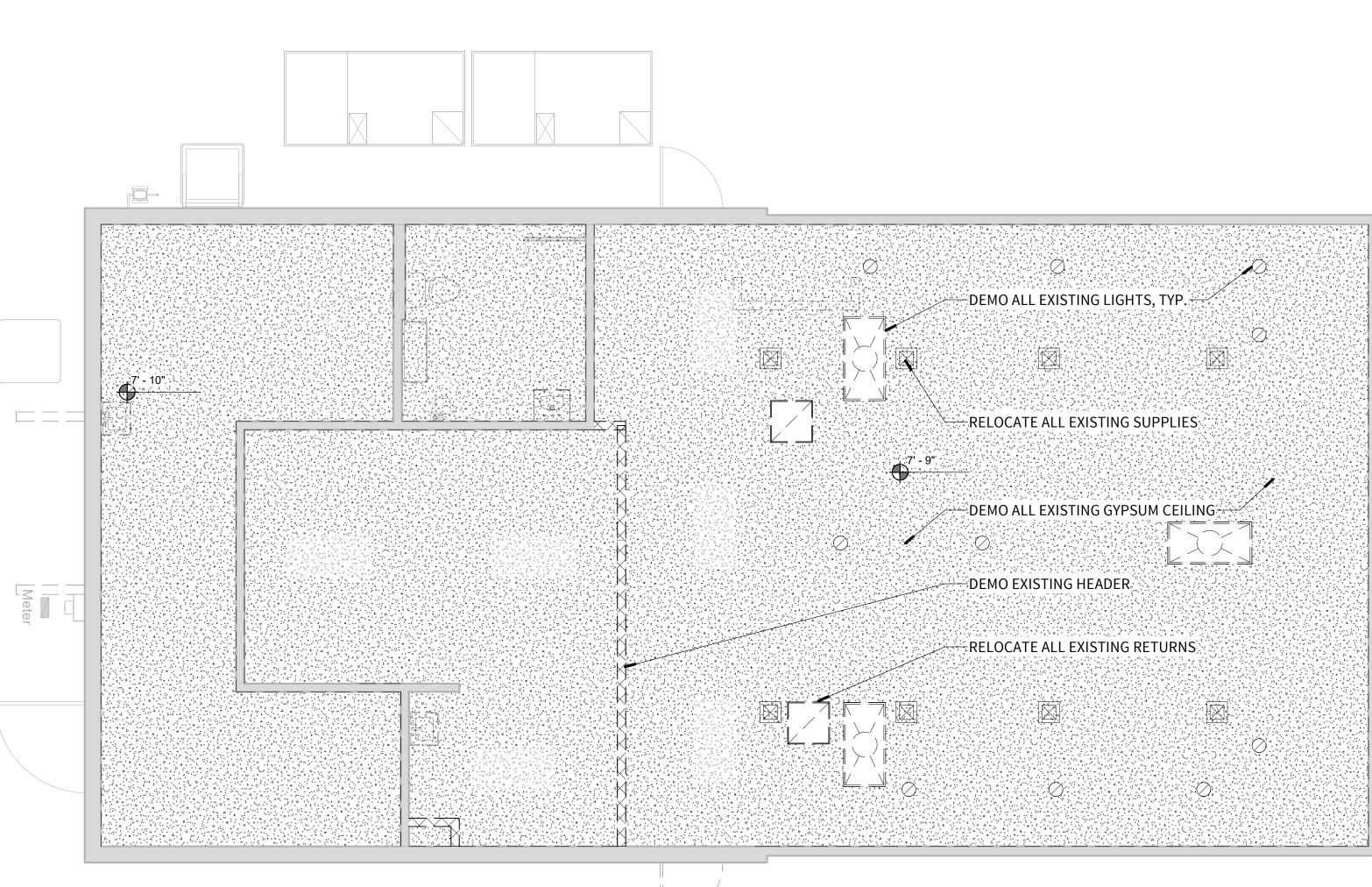
DEMO EXISTING WALLS

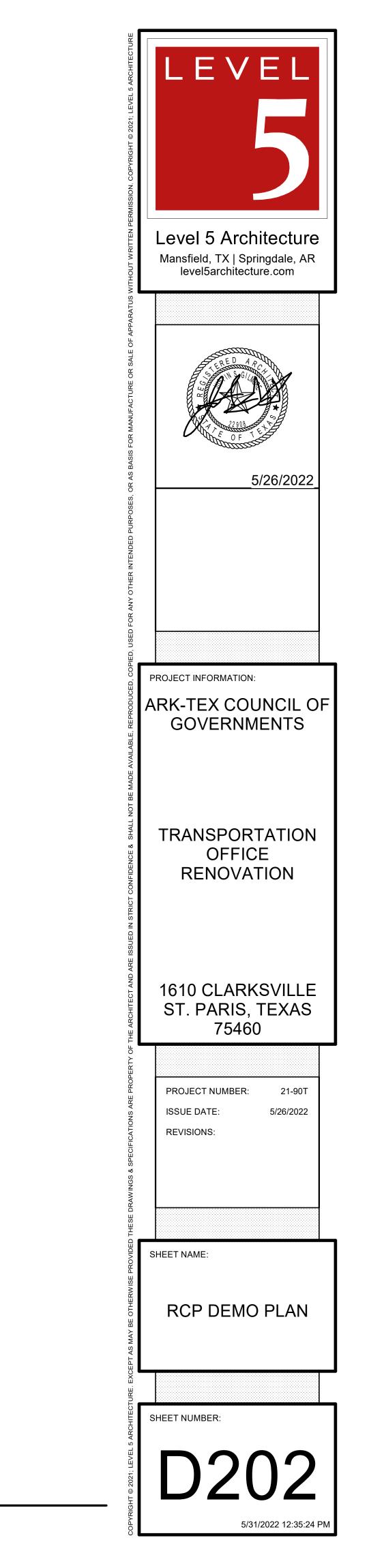


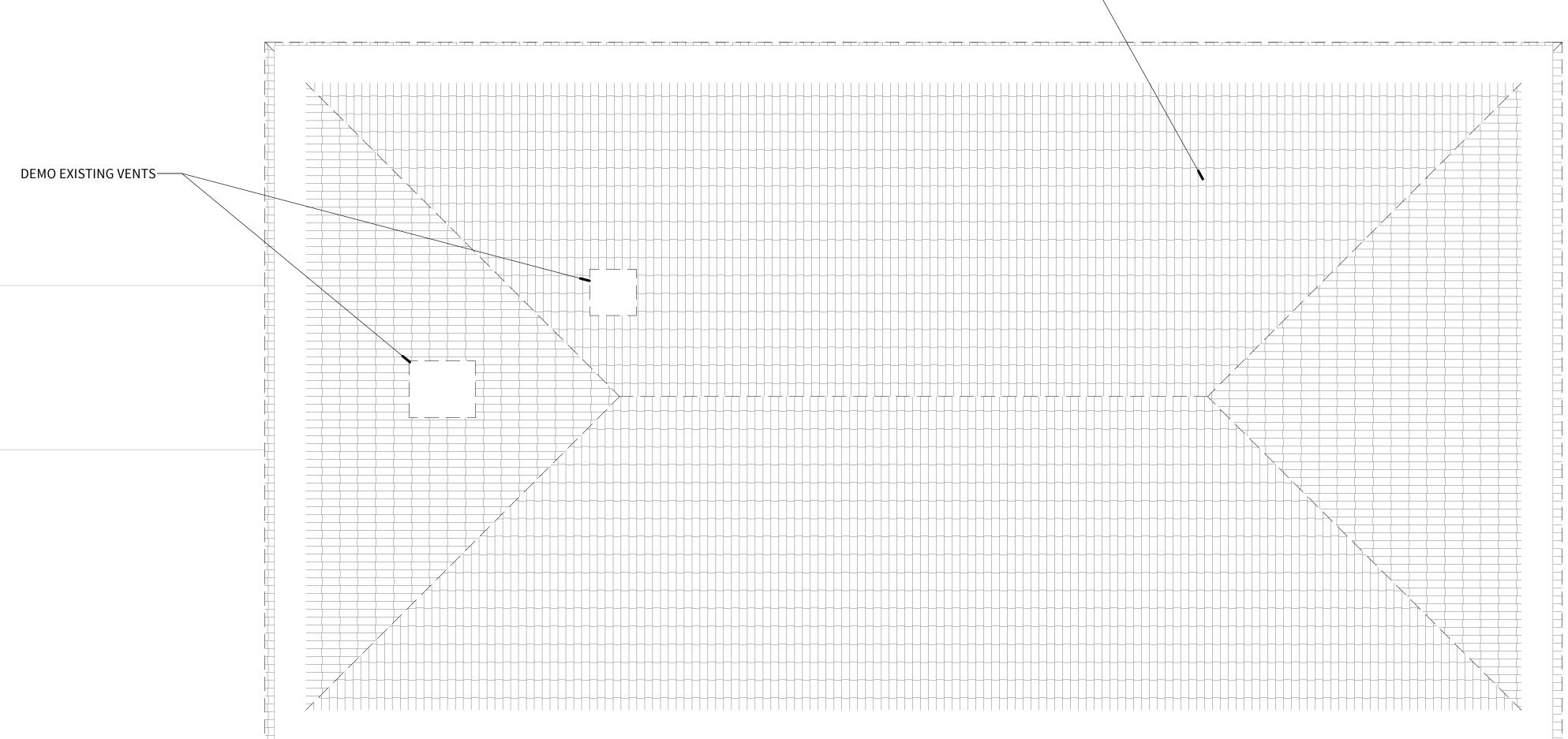










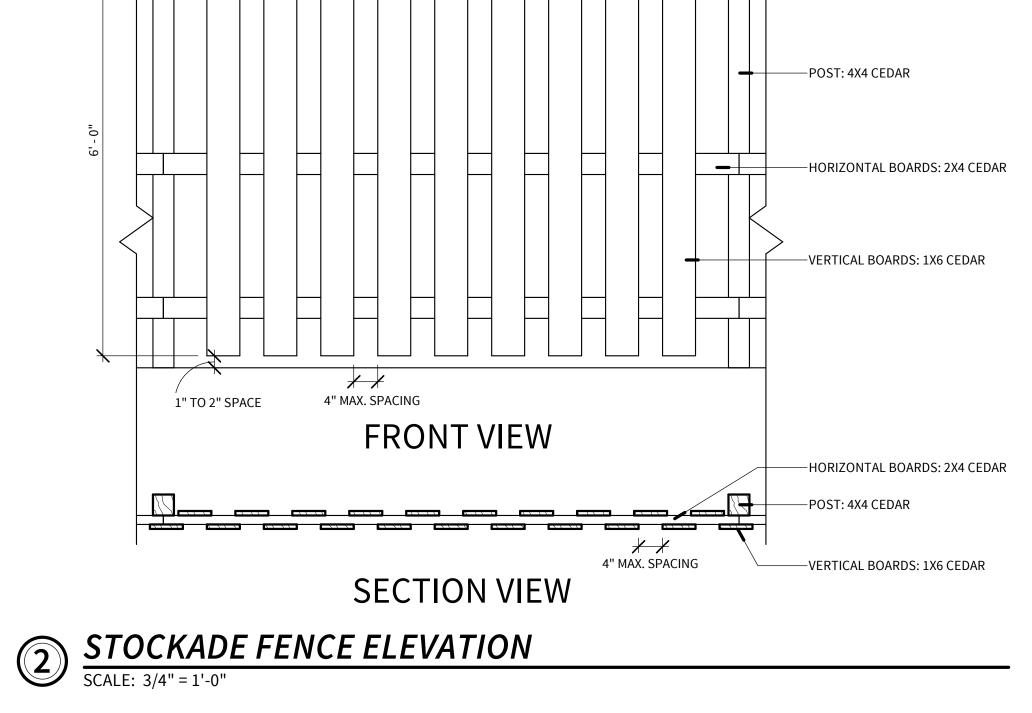




ROOF DEMO PLANSCALE: 1/4" = 1'-0"

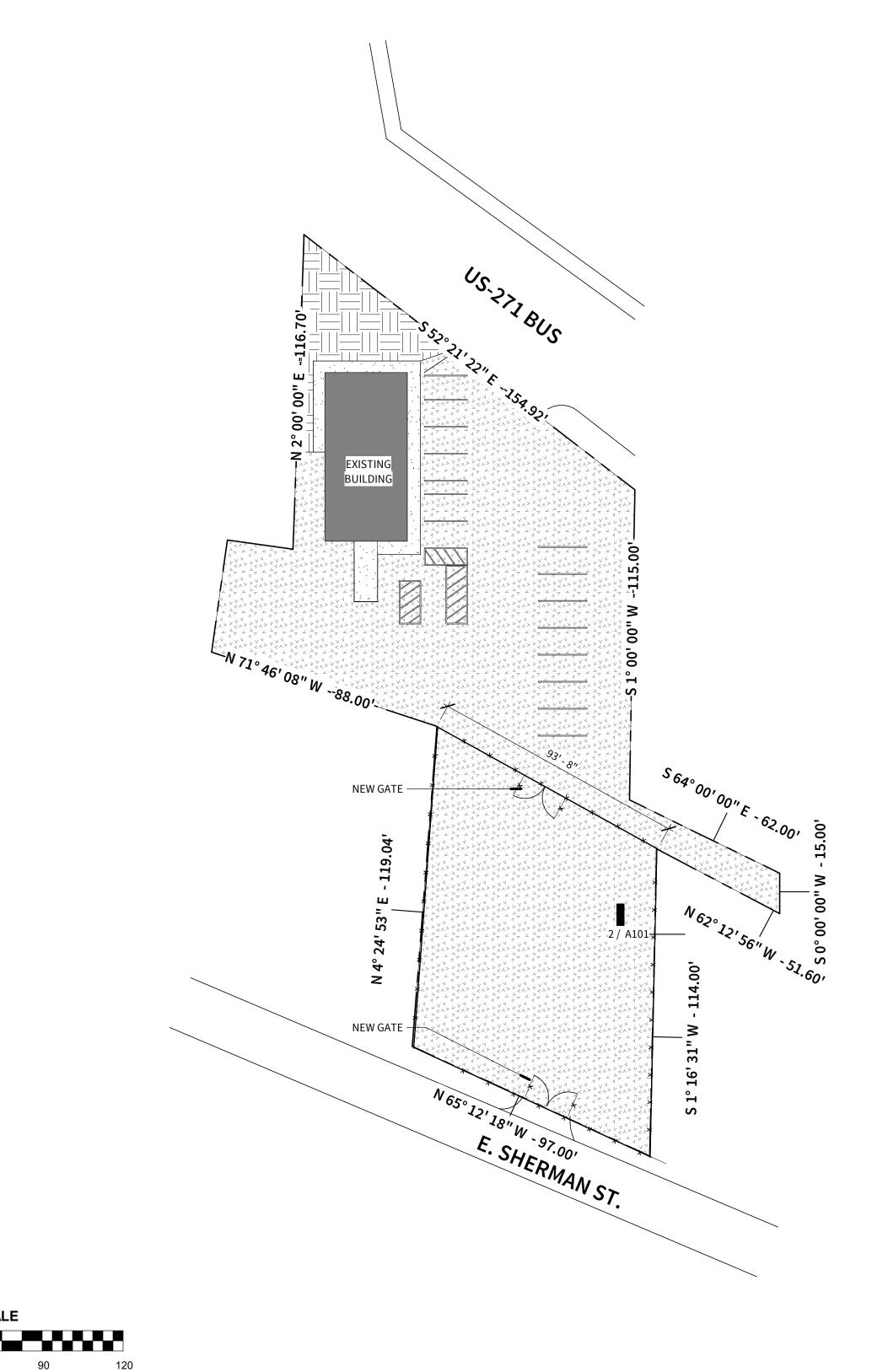
PAINT EXISTING ROOF

ΕV Level 5 Architecture Mansfield, TX | Springdale, AR level5architecture.com 5/26/2022 PROJECT INFORMATION: ARK-TEX COUNCIL OF GOVERNMENTS TRANSPORTATION OFFICE RENOVATION 1610 CLARKSVILLE ST. PARIS, TEXAS 75460 21-90T PROJECT NUMBER: 5/26/2022 ISSUE DATE: **REVISIONS**: SHEET NAME: ROOF DEMO PLAN SHEET NUMBER: D203 5/31/2022 12:35:24 PM

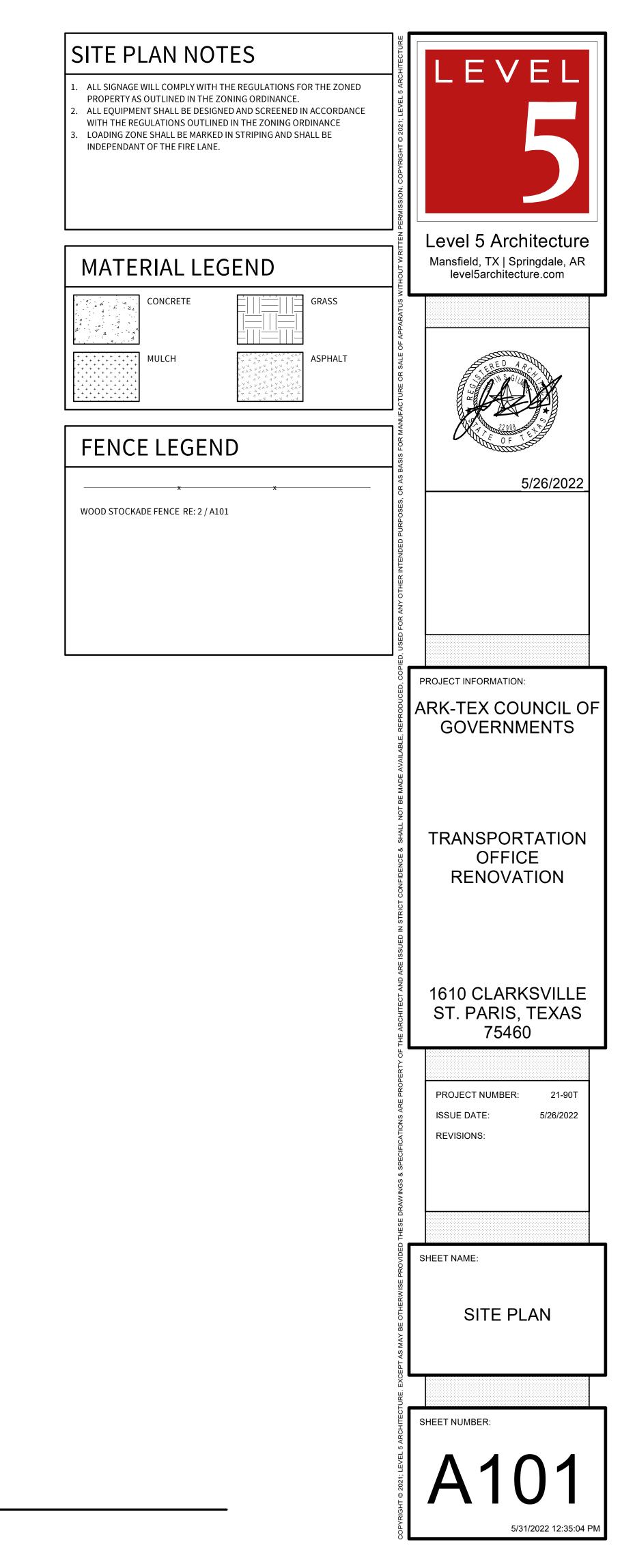


8' - 0"

MAX. POST SPACING



GRAPHIC SCALE 60 30 90) SITE PLAN SCALE: 1" = 30'-0"



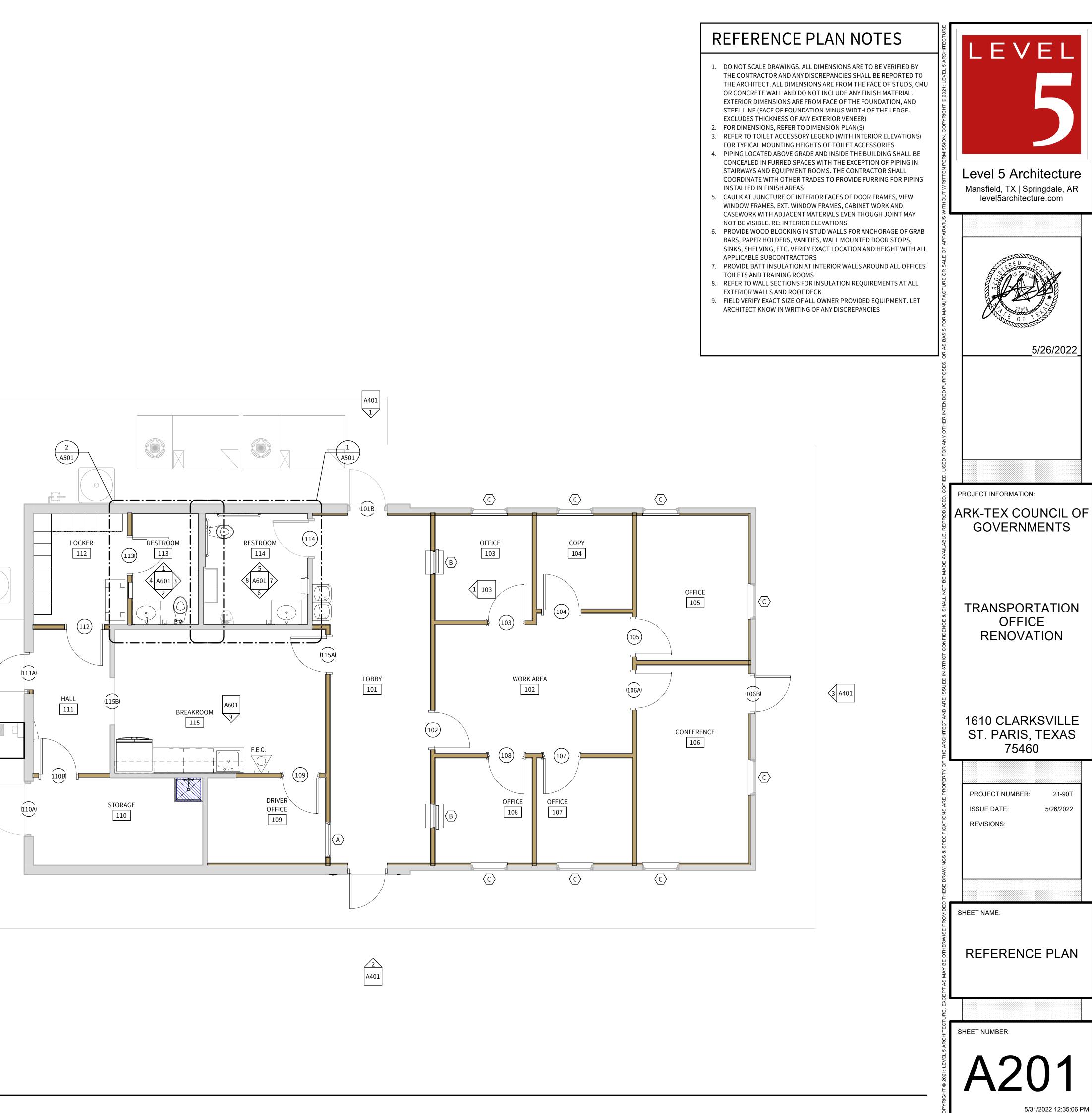


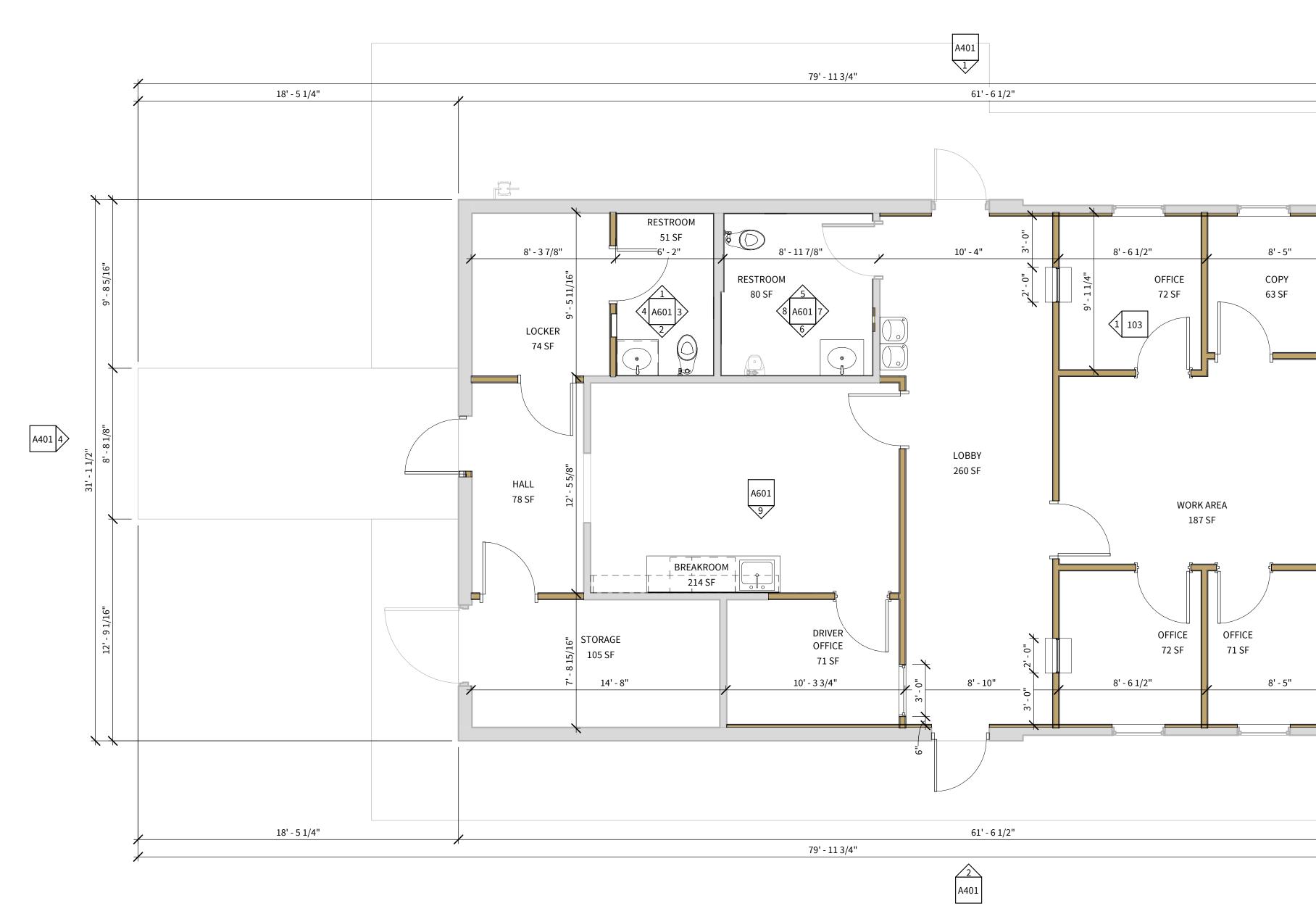
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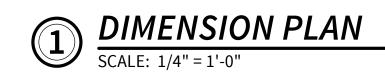
ADD NEW RAMP FROM EXISTING SIDEWALK TO PAD-

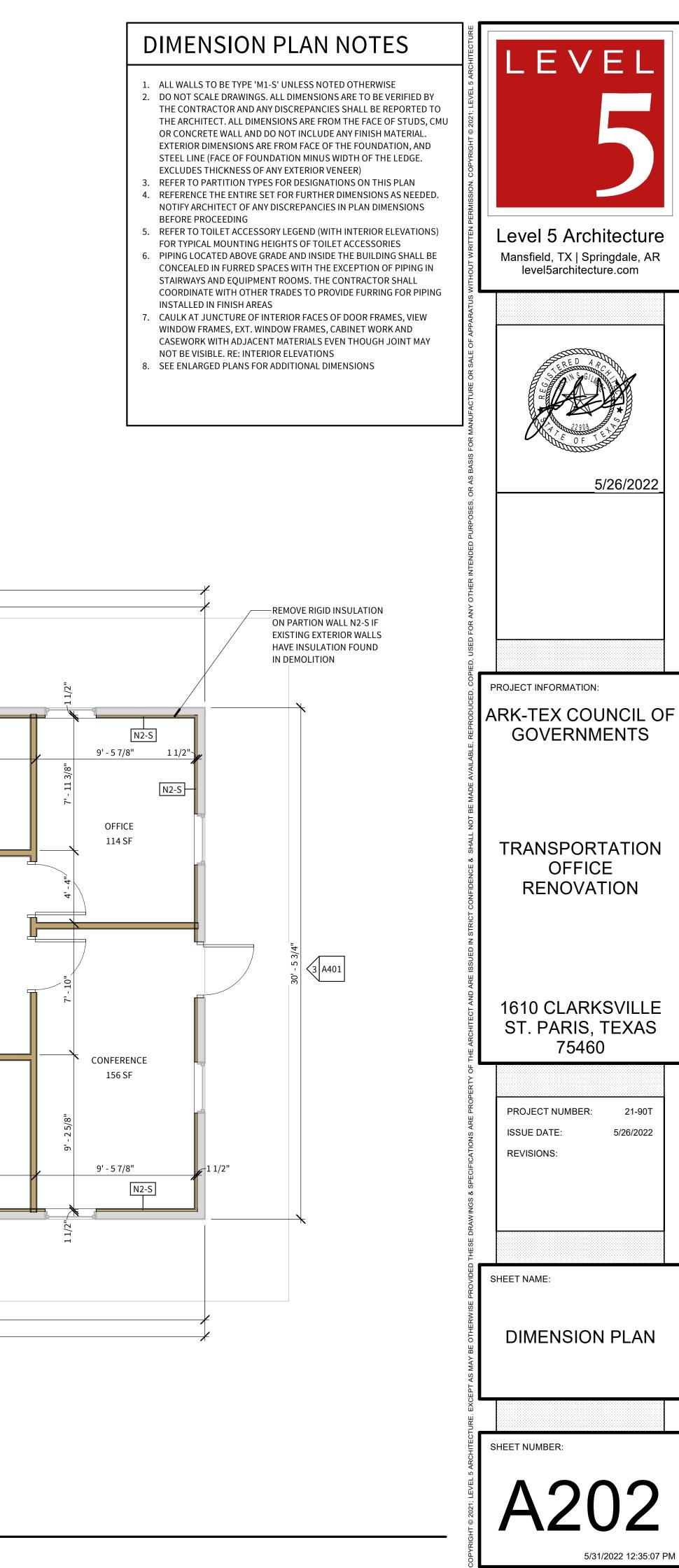






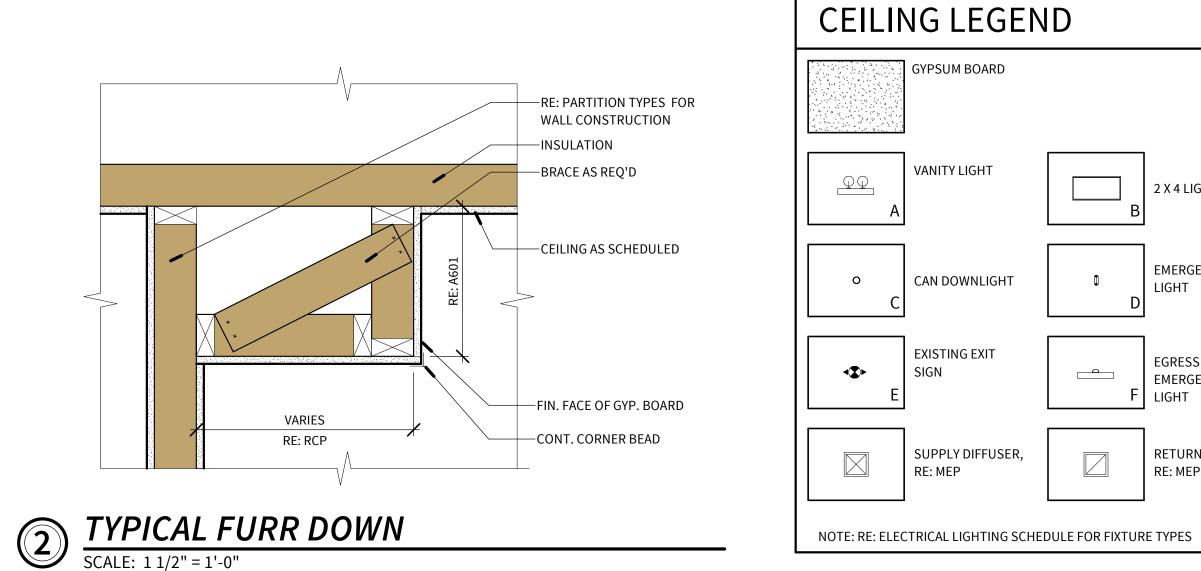


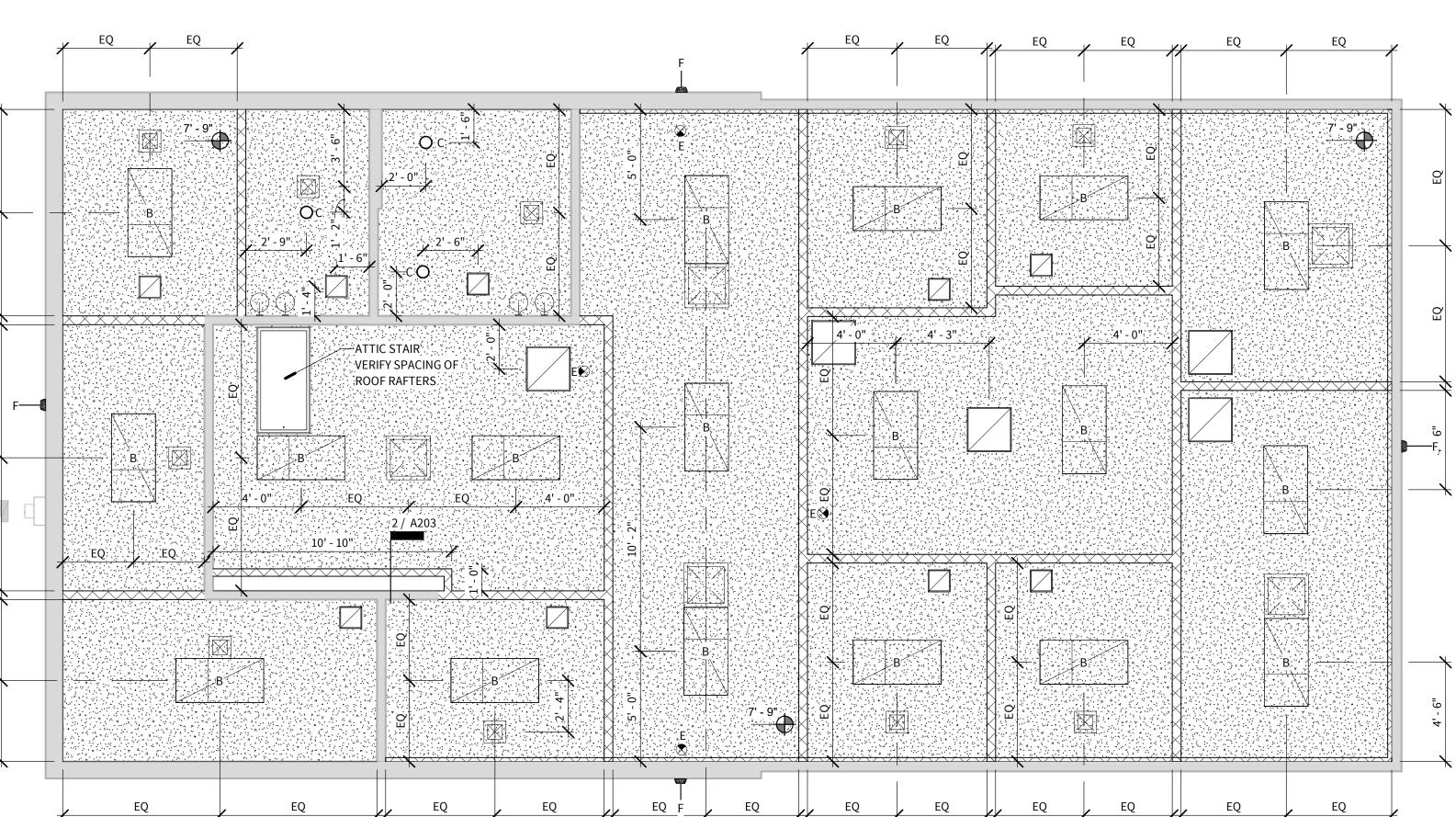


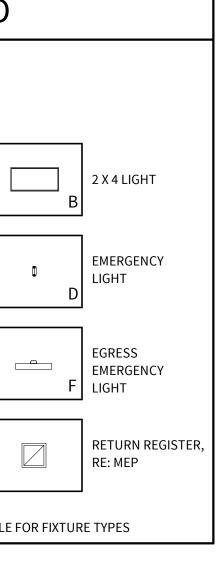






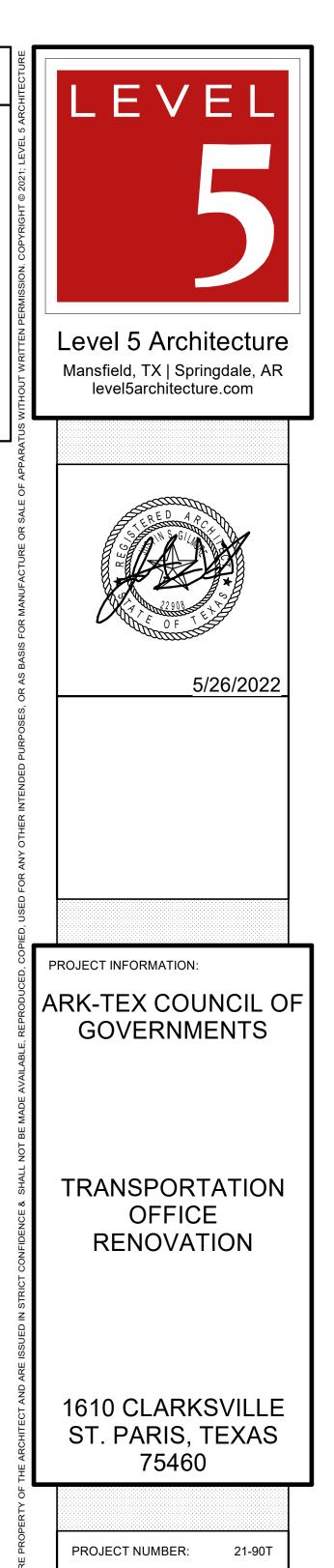






CEILING PLAN NOTES

- 1. UNLESS NOTED OTHERWISE ALL CEILINGS ARE TO BY GYPSUM BOARD: TAPED, BEDDED, TEXTURED AND PRIMED. FINISH TO BE SELECTED BY ARCHITECT
- 2. ALL KITCHEN & FOOD SERVICE AREAS ARE TO HAVE VINYL CLAD CEILING TILES WITH SCRUBBABLE SURFACES
- 3. ALL CEILING GRIDS ARE TO BE CENTERED IN ROOM UNLESS OTHERWISE NOTED
- 4. REFER TO ELECTRICAL FOR LIGHTING FIXTURE SCHEDULE
- 5. REFER TO MECHANICAL SCHEDULE FOR MECHANICAL GRILLE SIZES. MECHANICAL SCHEDULE TAKES PRECEDENCE OVER THE R.C.P. IN THE EVENT OF ANY DISCREPANCIES IN GRILLE SIZE SHOWN BETWEEN THE TWO. LOCATION OF GRILLES SHALL BE INSTALLED PER THE R.C.P. AS **CLOSE AS POSSIBLE**
- 6. ALL SPEAKERS, SECURITY CAMERAS, & FIRE PROTECTION TO BE COORDINATED WITH OWNER PRIOR TO INSTALLATION 7. GENERAL CONTRACTOR TO VERIFY EXISTING CEILING CONDITIONS
- FOR PATCH AND REPAIR.



5/26/2022

ISSUE DATE:

REVISIONS:

SHEET NAME:

SHEET NUMBER:

REFLECTED CEILING

PLAN

A203

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S١	/M	BO
	A	GLAZIN
~	c	FRAME

DL LEGEND

ING TYPE DESIGNATION

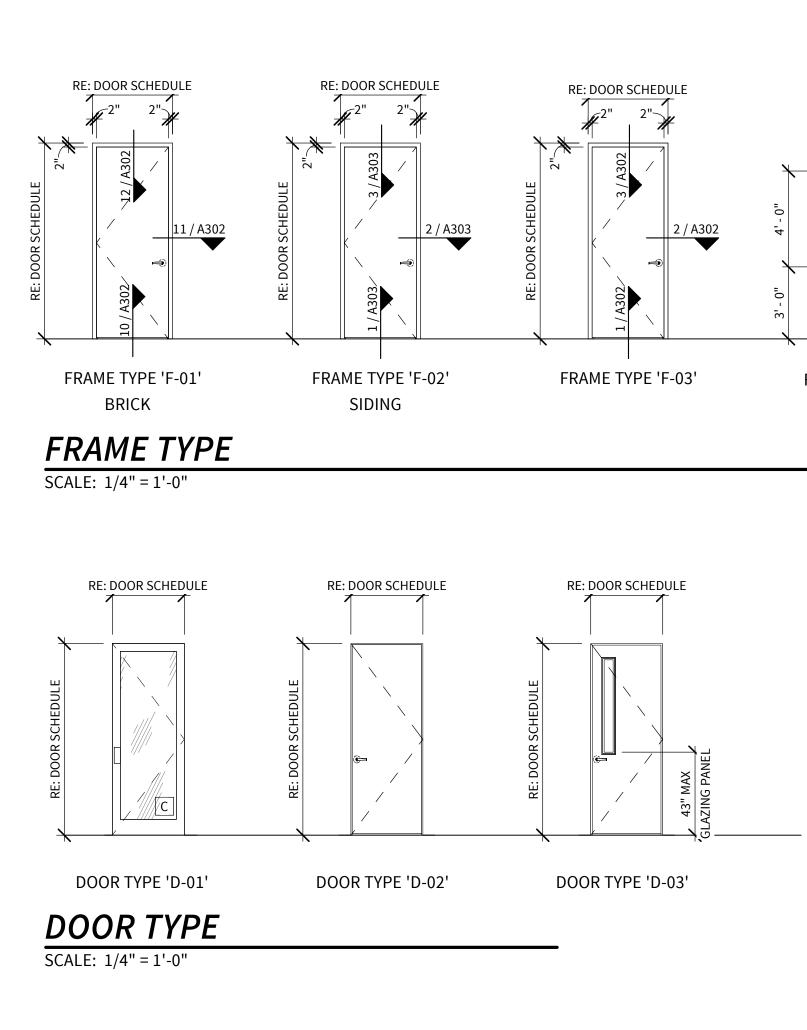
E TYPE DESIGNATION

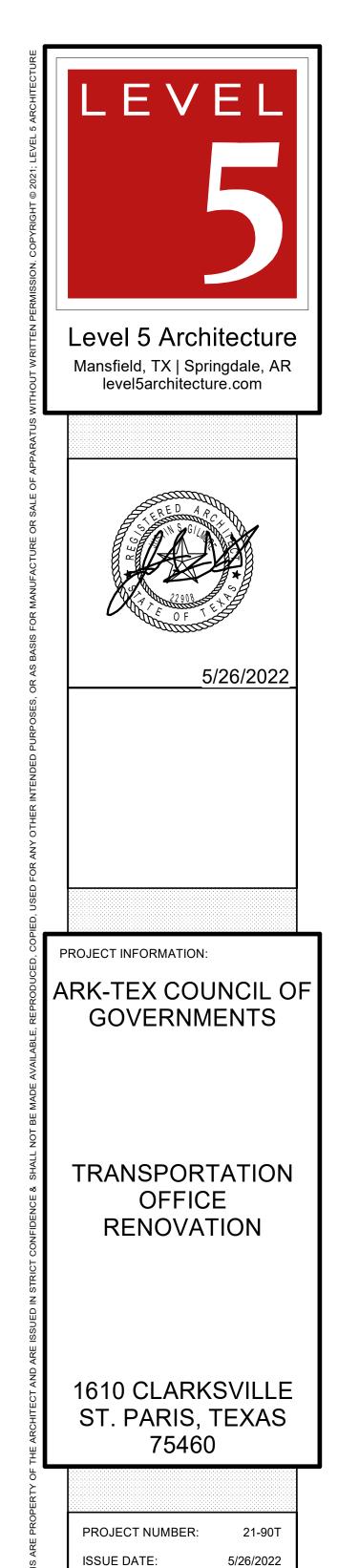
DOOR SCHEDULE

		RO	OMS		DIM	IENSIONS			DOOR	
		ТО		FROM						
MARK	NUM	NAME	NUM	NAME	W	Н	D	TYPE	MATERIAL	GLAZIN
101A			101	LOBBY	3' - 0"	6' - 8"	1 3/4"	D-01	DF-102	С
101B			101	LOBBY	3' - 0"	6' - 8"	1 3/4"	D-02	НМ	
102	102	WORK AREA	101	LOBBY	3' - 0"	6' - 8"	1 3/4"	D-02	PL-101	
103	103	OFFICE	102	WORK AREA	3' - 0"	6' - 8"	1 3/4"	D-03	PL-101	
104	104	СОРҮ	102	WORK AREA	3' - 0"	6' - 8"	1 3/4"	D-02	PL-101	
105	105	OFFICE	102	WORK AREA	3' - 0"	6' - 8"	1 3/4"	D-02	PL-101	
106A	106	CONFERENCE	102	WORK AREA	3' - 0"	6' - 8"	1 3/4"	D-02	PL-101	
106B			106	CONFERENCE	3' - 0"	6' - 8"	1 3/4"	D-01	DF-102	С
107	107	OFFICE	102	WORK AREA	3' - 0"	6' - 8"	1 3/4"	D-03	PL-101	
108	108	OFFICE	102	WORK AREA	3' - 0"	6' - 8"	1 3/4"	D-03	PL-101	
109	109	DRIVER OFFICE	115	BREAKROOM	3' - 0"	6' - 8"	1 3/4"	D-03	PL-101	
110A			110	STORAGE	4' - 4''	6' - 8"	1 3/4"	D-02	НМ	
110B	111	HALL	110	STORAGE	3' - 0"	6' - 8"	13/4"	D-02	PL-101	
111A			111	HALL	3' - 2"	6' - 8"	1 3/4"	D-02	НМ	
112	112	LOCKER	111	HALL	3' - 0"	6' - 8"	1 3/4"	D-02	PL-101	
113	113	RESTROOM	112	LOCKER	3' - 0"	6' - 8"	1 3/4"	D-02	PL-101	
114	114	RESTROOM	101	LOBBY	3' - 0"	6' - 8"	1 3/4"	D-02	PL-101	
115A	115	BREAKROOM	101	LOBBY	3' - 0"	6' - 8"	1 3/4"	D-02	PL-101	
115B	115	BREAKROOM	111	HALL	0"	0"				

WINDOW SCHEDULE

			FRAME		
TYPE MARK	GLAZING TYPE	TYPE	MATERIAL	ACCESSORIES	RE
A	DOUBLE PANEL	F-04	VINYL	LUXOUT ROLLER SHADE SYSTEM - OPEN ROLLER - PROVIDE ONE WAY MIRROR FILM	SIERRA PACIFIC - 8000 BRONZE
В	SINGLE PANEL	F-05	ALUM	LUXOUT ROLLER SHADE SYSTEM - OPEN ROLLER	C.R. LUARENCE - TICK SCW102
С	EXISTING			LUXOUT ROLLER SHADE SYSTEM - OPEN ROLLER	EXISTING





REVISIONS:

SHEET NAME:

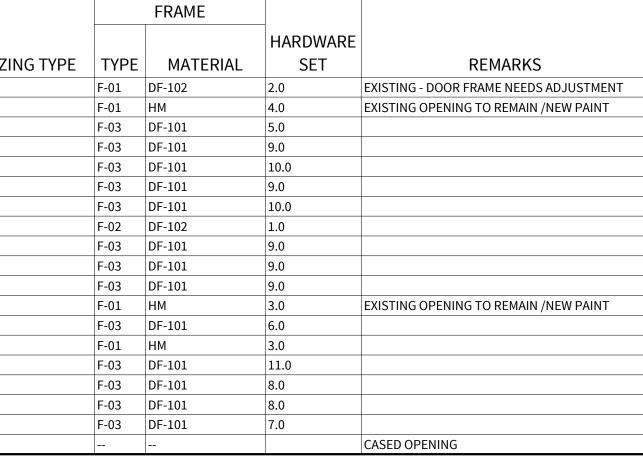
SHEET NUMBER:

A3

DOOR & WINDOW

SCHEDULES

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GLAZING TYPE 'A' - 1" LOW-E CLEAR VISION

GLAZING TYPE 'C' - 1" LOW-E TEMPERED CLEAR VISION

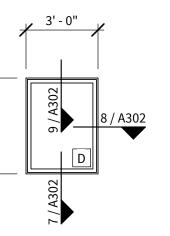
GLAZING TYPE 'D' - 1/4" TEMPERED CLEAR VISION

GLAZING TYPE 'B' - 1/4" CLEAR VISION

REMARKS

000 VINYL DIRECT SET - DARK

CKET WINDOW - CRL P/N



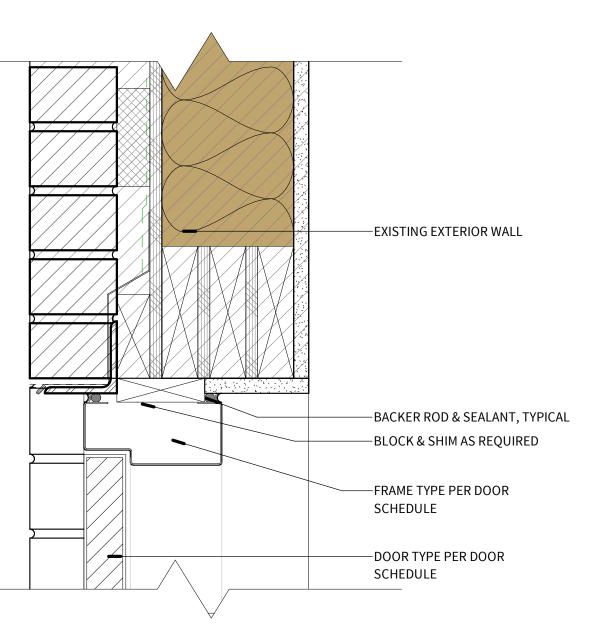
FRAME TYPE 'F-04' $\langle A \rangle$

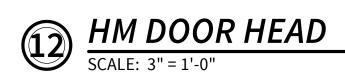
—CRL P/N 720 TICKET WINDOW – STAINLESS STEEL SHELF 18" DEEP FRAME TYPE 'F-05'

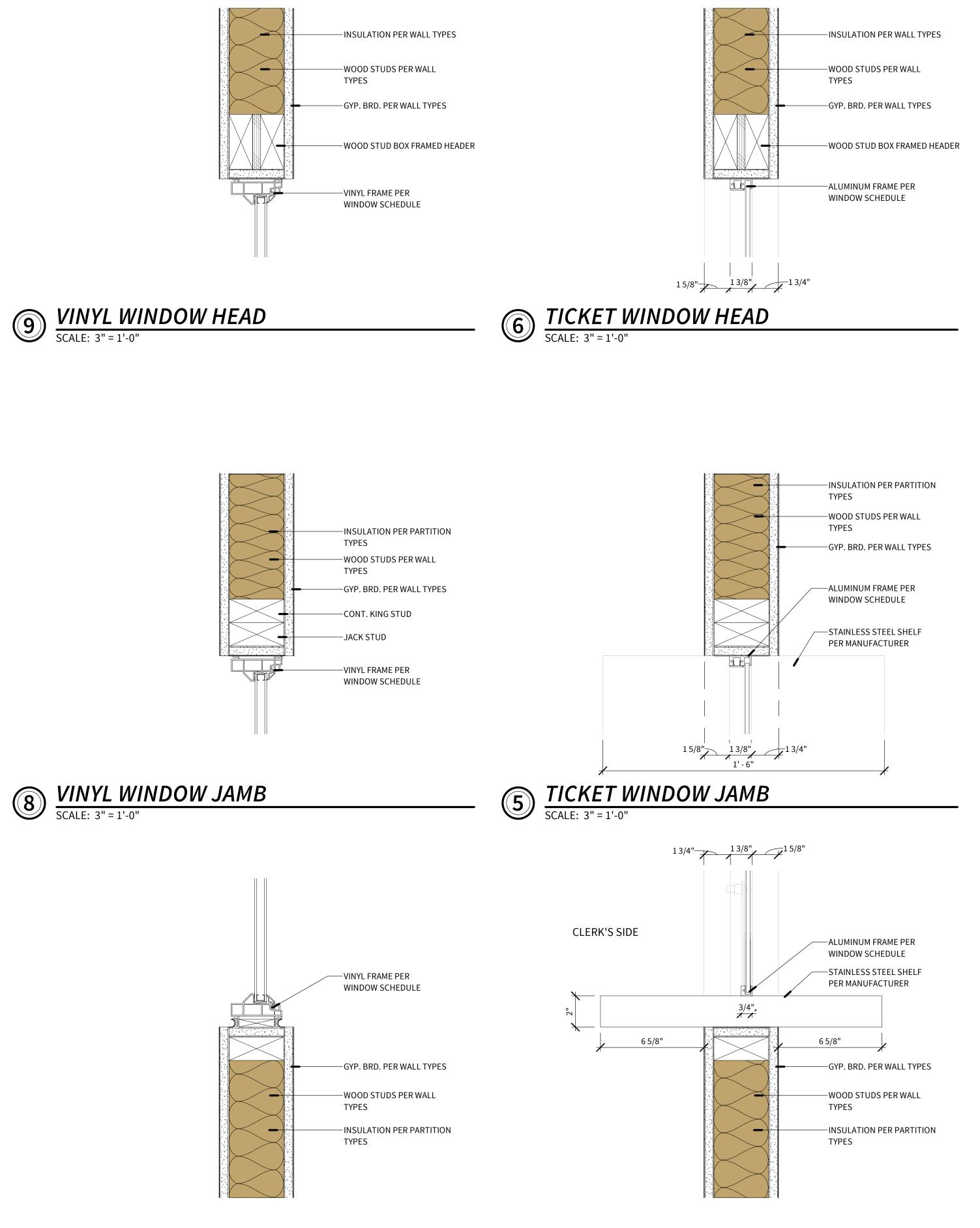
 $\langle \mathbf{B} \rangle$

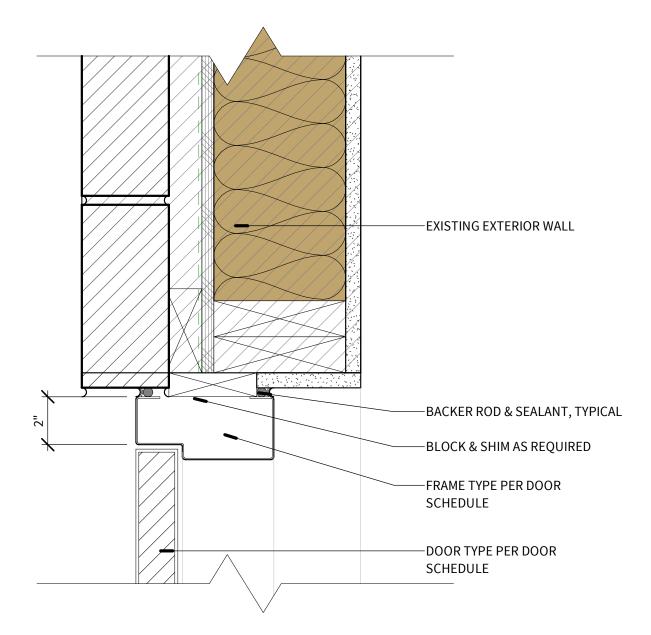
—CRL P/N 834

SPEAK-THRU



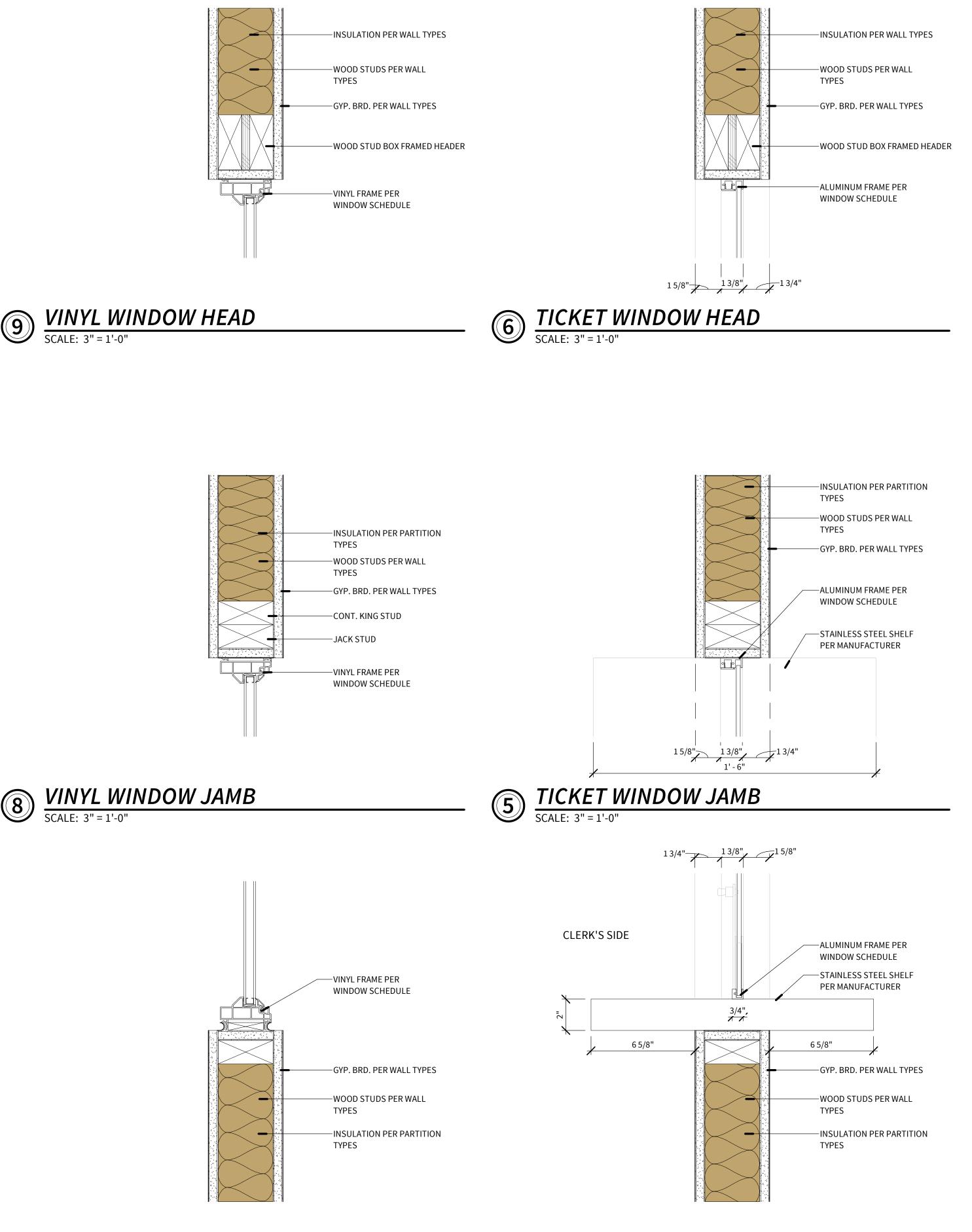


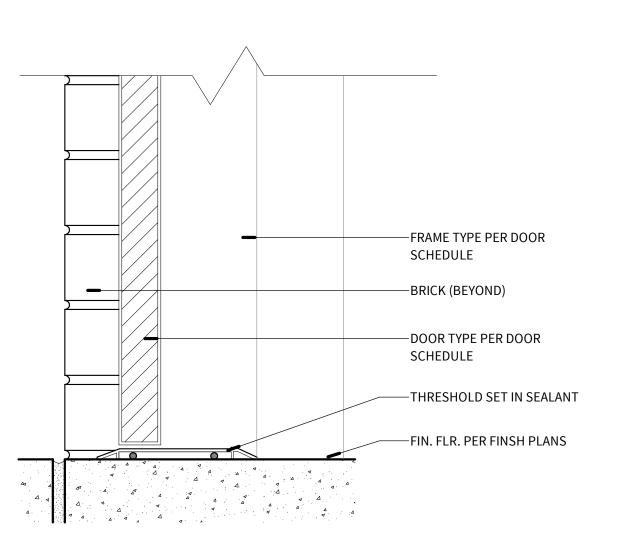




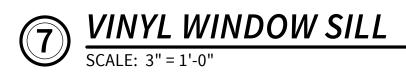


(I) HM DOOR JAMB SCALE: 3" = 1'-0"

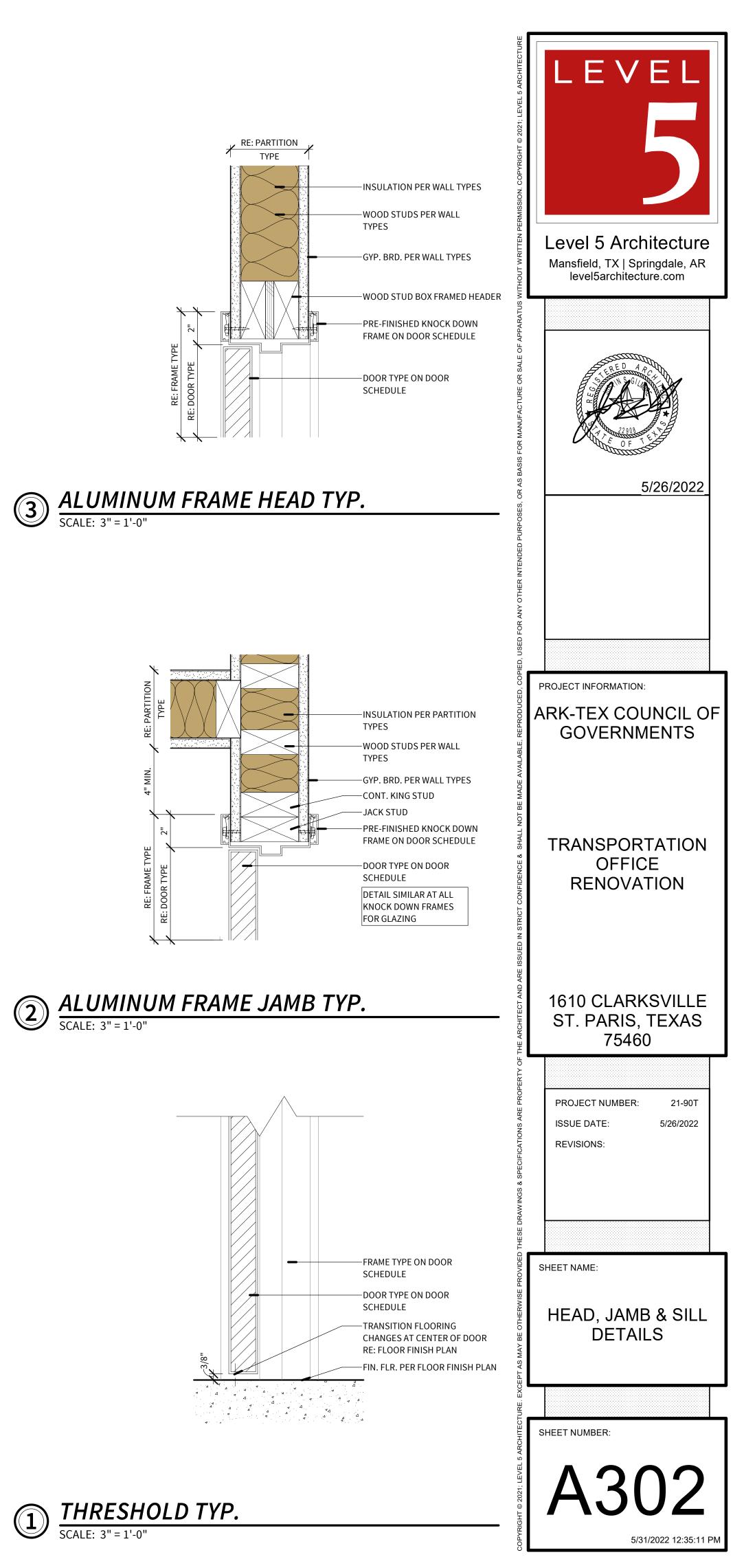


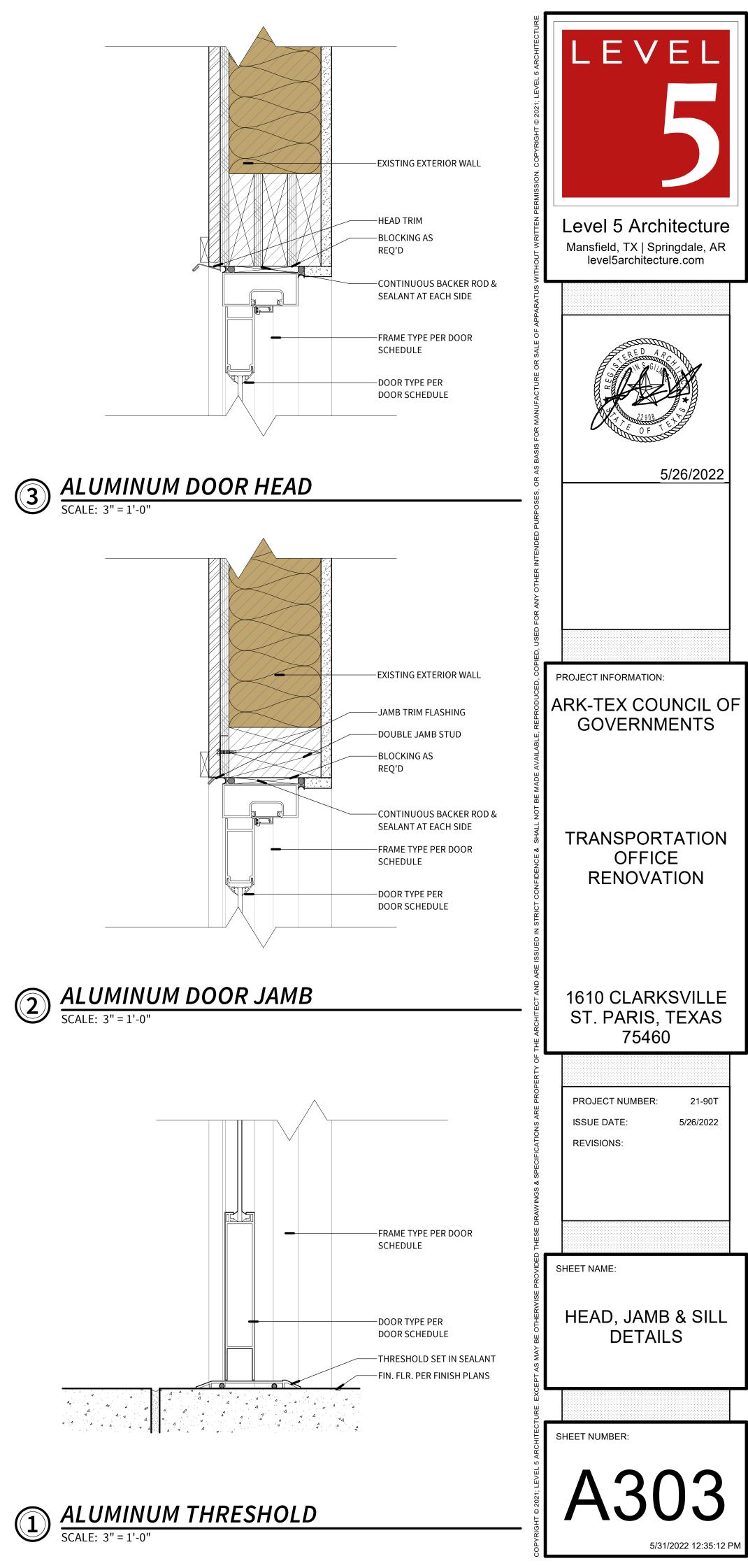


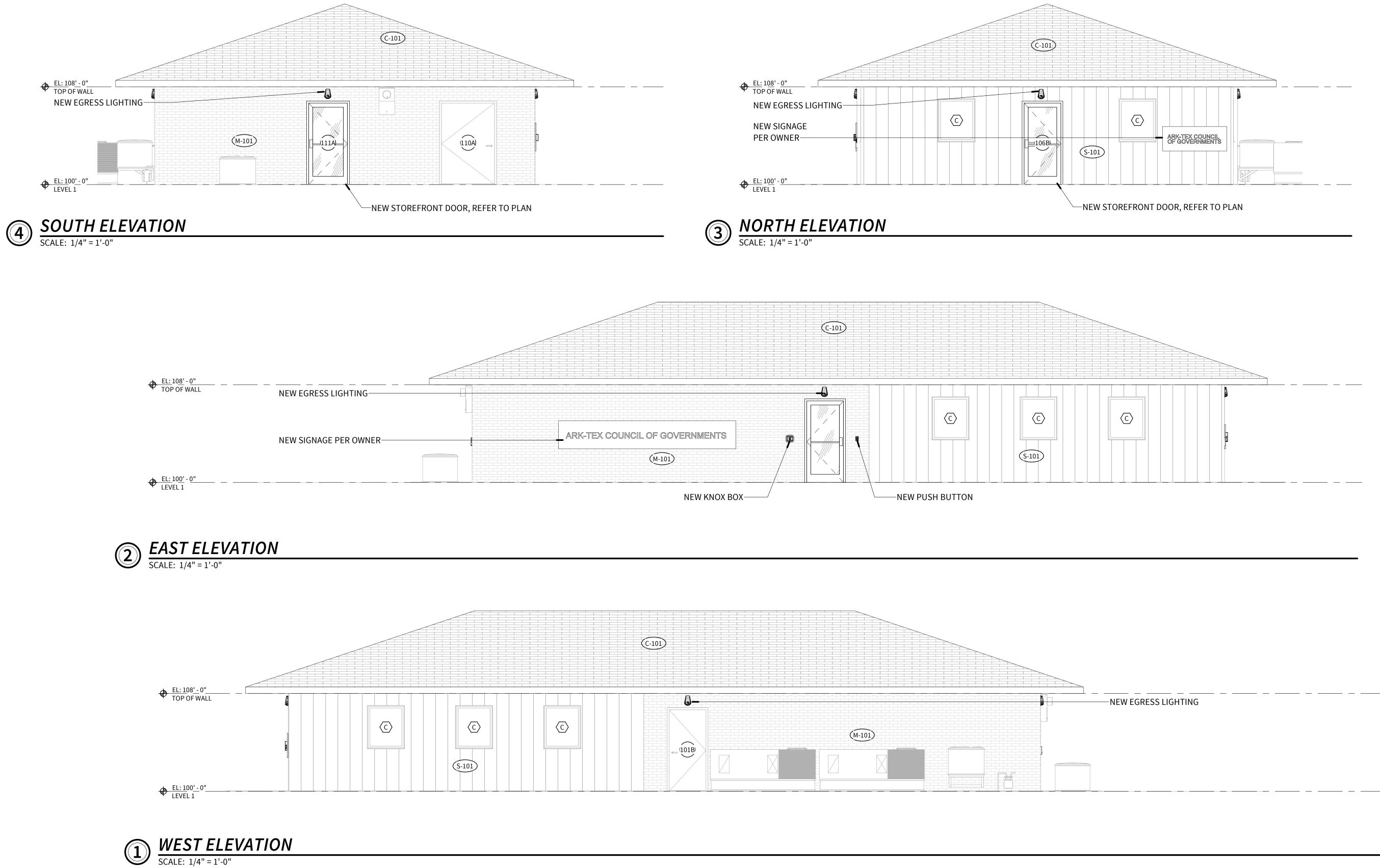


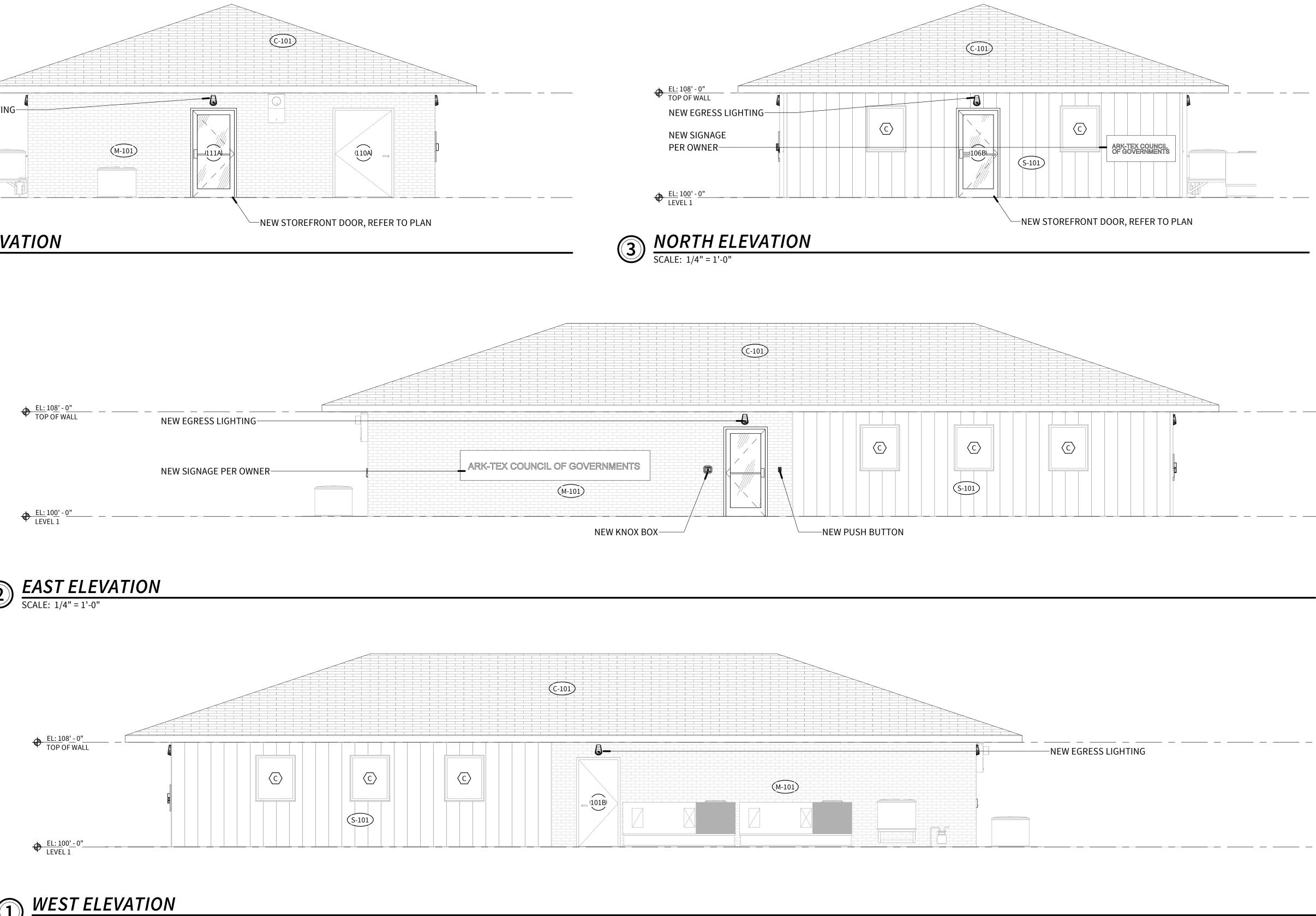


(4) TICKET WINDOW SILL SCALE: 3" = 1'-0"



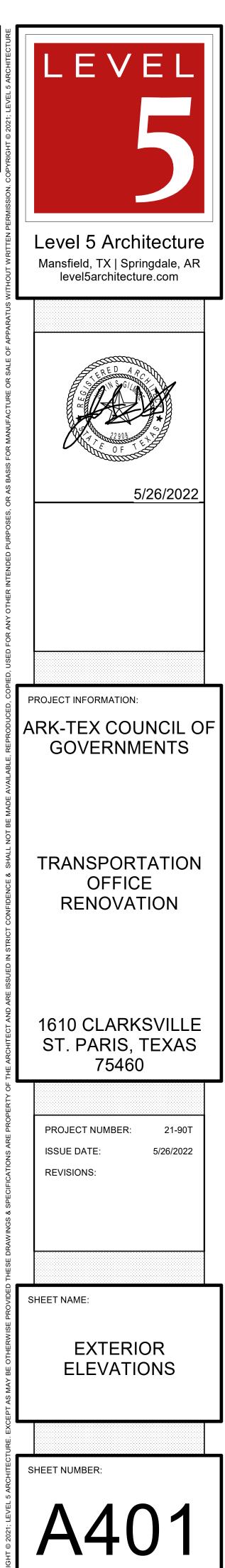








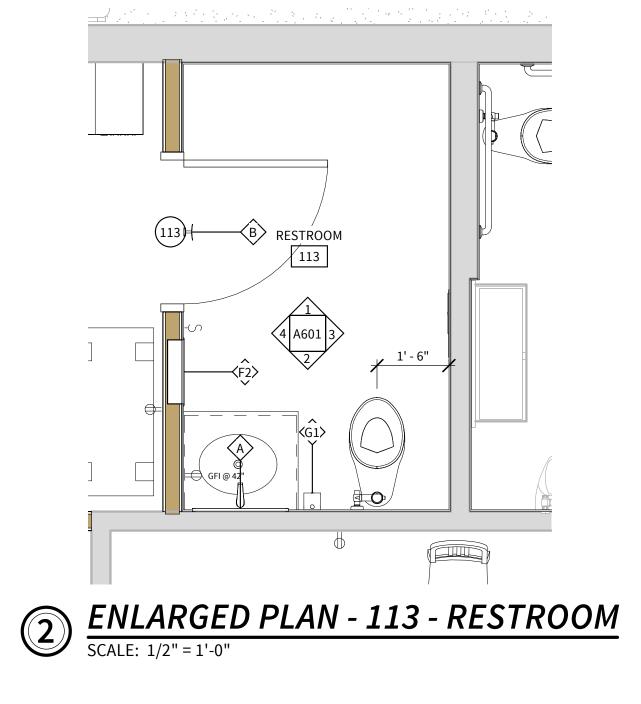
EXTEF	RIOR FINISI	H LEGEND			
MATERIAL	VENDOR	COLLECTION	COLOR/FINISH SIZE	GROUT	NOTES
COMPOSITION	ROOF		PAINT SELECTED BY OWNER		PAINT EXISTING ROOF
	RD AND BATTEN SIDING		PAINT SELECTED BY OWNER		
S-101	EXISTING		PAINT SELECTED BY OWNER		REPAINT EXISTING BOAD AND BATTEN SIDING
EXISTING BRICK	K				
M-101	EXISTING		PAINT SELECTED BY OWNER		PAINT EXISTING BRICK

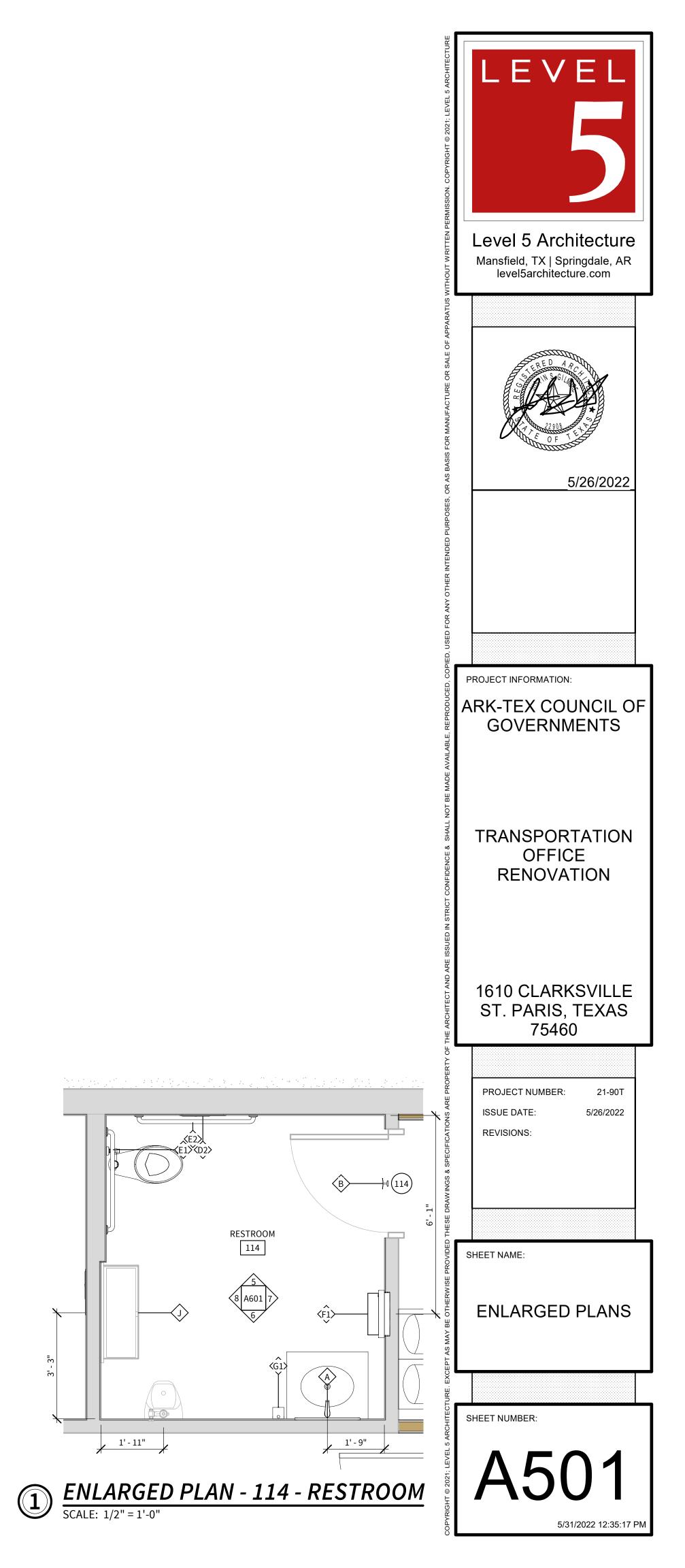


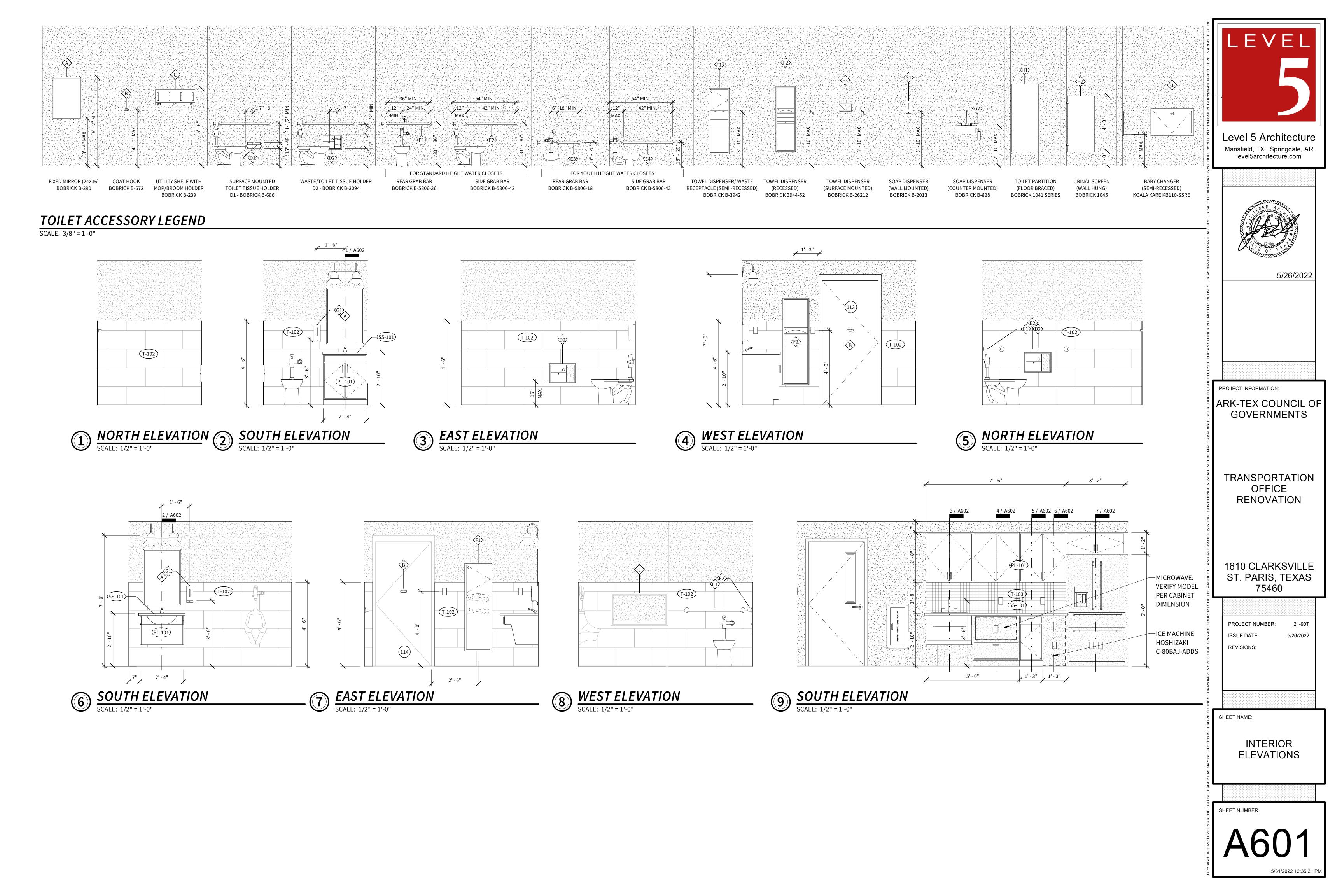
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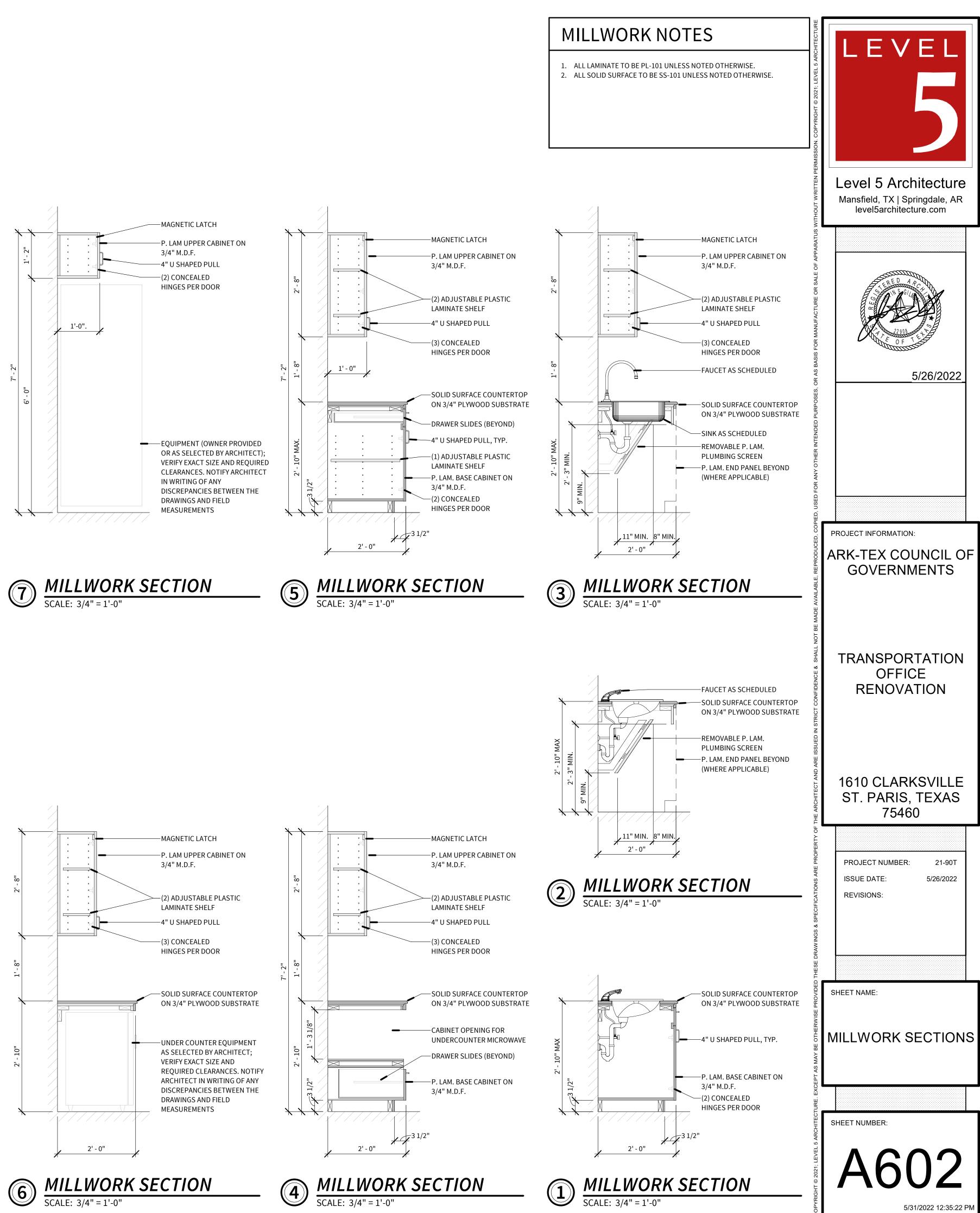
	G
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	F
	HEA
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	SILL T' K
	T' K K
	T' K K Si -S
FURR OUT PARTITION (GYP CEILING) N	T' K K Si -S -F
FURR OUT PARTITION (GYP CEILING) N	T' K K Si -S -F
FURR OUT PARTITION (GYP CEILING) N HEAD CEILING AS SCHEDULED	Т' К К -S -F -F
HEADCEILING AS SCHEDULED EXISTING OR INSTALLED SOLID PARTITION / WALL PLAN2x4 WOOD STUD IN PROFILE (WHEN INDICATED)	Т ^т К К S -F -F С
HEADCEILING AS SCHEDULED	Т К К К S -S -F С
HEAD CEILING AS SCHEDULED EXISTING OR INSTALLED SOLID PARTITION / WALL PLAN 2x4 WOOD STUD IN PROFILE (WHEN INDICATED) GYPSUM BOARD SILL ACOUSTICAL SEALANT FINISHED FLOOR TYPE STUD GYPSUM BOARD WIDTH RE: N1 NONE (1) 5/8" GYPSUM BOARD TO STRUCTURE	Т К К S -F -F С РL SIL
HEAD CEILING AS SCHEDULED EXISTING OR INSTALLED SOLID PARTITION / WALL PLAN 2x4 WOOD STUD IN PROFILE (WHEN INDICATED) GYPSUM BOARD SILL ACOUSTICAL SEALANT FINISHED FLOOR TYPE STUD GYPSUM BOARD WIDTH RE:	Т К К К S -S -F С Р L S IL J J J
HEAD CEILING AS SCHEDULED EXISTING OR INSTALLED SOLID PARTITION / WALL PLAN 2x4 WOOD STUD IN PROFILE (WHEN INDICATED) GYPSUM BOARD SILL ACOUSTICAL SEALANT FINISHED FLOOR TYPE STUD GYPSUM BOARD WIDTH RE: N1 NONE (1) 5/8" GYPSUM BOARD TO STRUCTURE	T' K K

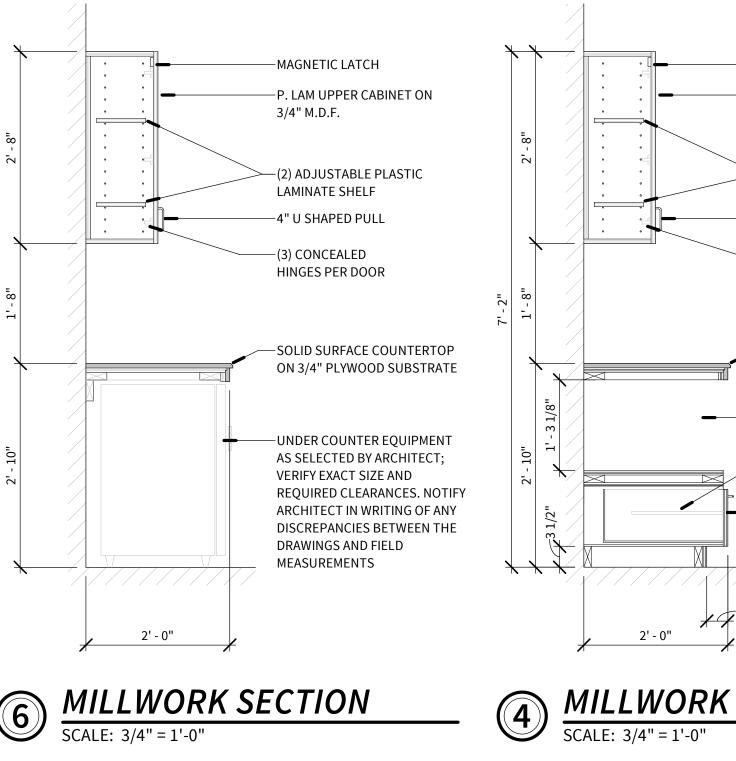
GYP CEILING M	PONY WALL PARTITION H	SINGLE SIDE PARTITION (FULL HEIGHT GYP) D	PARTITION GENERAL NOTES	
AD CEILING AS SCHEDULED DOUBLE 2X TOP PLATE ACOUSTICAL INSULATION (WHEN INDICATED) AN 2X WOOD STUD FRAMING GYPSUM BOARD 2X PRESSURE TREATED SILL ACOUSTICAL SEALANT @ EACH SIDE FINISHED FLOOR TYPE STUD GYPSUM BOARD WIDTH RE: A1 3 1/2" A2 5 1/2" A3 7 1/4" ESCRIPTION RE: SUFFIX DESCRIPTION RE: ACOUSTICAL INSULATION: 3 1/2" -	CAP SEALANT CLIP ANGLE CONNECTION AT TUBE TO RUNNER 3" x 3" 3/16" STEEL TUBE @ 4'-0" O.C. WELDED TO 3" x 8" x 3/16" BASE PLATE GYPSUM BOARD (2) 1/2" x 3" LONG EXPANSION ANCHORS @ EACH BASE PLATE SILL ACOUSTICAL SEALANT @ EACH SIDE FINISHED FLOOR TYPE STUD H1 3 1/2" (1) 5/8" GYPSUM BOARD TO TOP OF WALL H2 5 1/2" BACH SIDE SUFFIX DESCRIPTION RE: SUFFIX DESCRIPTION RE: CAP SEALANT CLIP ANGLE CONNECTION AT TUBE TO RUNNER WIDTH RE CLIP ANGLE CONNECTION AT TUBE TO RUNNER WIDTH RE CLIP ANGLE CONNECTION AT TUBE TO RUNNER WIDTH RE CLIP ANGLE CONNECTION AT TUBE TO RUNNER SUFFIX DESCRIPTION RE: CAP SUFFIX CLIP ANGLE CONNECTION AT TUBE TO RUNNER CLIP ANGLE CONNECTION RE: CLIP ANGLE CONNECTION CLIP ANGLE CLIP ANGLE CONNECTION CLIP ANGLE CLIP A	LINE OF STRUCTURE ACOUSTICAL SEALANT DOUBLE 2X TOP PLATE HEAD CEILING AS SCHEDULED ACOUSTICAL INSULATION (WHEN INDICATED) PLAN QYPSUM BOARD QYPSUM BOARD 2X PRESSURE TREATED SILL ACOUSTICAL SEALANT FINISHED FLOOR TYPE STUD GYPSUM BOARD WIDTH Q SILL ACOUSTICAL SEALANT FINISHED FLOOR TYPE STUD GYPSUM BOARD WIDTH Q SINGLE SIDE ONLY Q SINGLE SIDE ONLY G G1/8" Q SINGLE SIDE ONLY Q SINGLE SIDE ONLY Q SINGLE SIDE ONLY Q SINGLE SIDE ONLY Q SUFFIX DESCRIPTION RE: -S ACOUSTICAL INSULATION: 3 1/2"	 ALL WALLS ARE TYPE "M1-S" UNLESS NOTED OTHERWISE. ALL RATED WALLS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE ASSOCIATED UNDERWRITERS LABORATORIES (U.L.) OR ENGINEERED WALL DESIGNS LIST. FIRESTOPPING TO BE PROVIDED AT PENETRATIONS THROUGH RATED WALLS. GYPSUM SHALL BE APPLIED VERTICAL & STAGGERED IN ACCORDANCE WITH U.L. DESIGNS. ALL JOINTS IN FINISH LAYER OF GYPSUM BOARD SHALL RECEIVE TAPE AND JOINT COMPOUND. ALL FINISHED SURFACES TO BE PAINT READY UNLESS NOTED OTHERWISE. ALL PARTITION TYPE DIMENSIONS ARE TO THE FACE OF THE STUD. CONTRACTOR TO ALLOW FOR ADDITIONAL FINISH MATERIAL THICKNESS AS REQUIRED. REFER TO SCHEDULES AND DETAILS FOR FINISHES. ALL GYPSUM WALL BOARD MUST BE MOISTURE RESISTANT AT TOILET ROOMS, WET WALLS, JAN CLOSETS, & ALL WET LOCATIONS. "LINE OF STRUCTURE" AS SHOWN AT THE HEAD CONDITIONS OF EACH WALL TYPE IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE THE EXACT CONSTRUCTION CONDITION. RATED WALLS ARE TO TERMINATE AT STRUCTURAL MEMBERS WITH A FIRE-RESISTANT RATING. WHERE REQUIRED, APPROPRIATE FRAMING AND GYP. BD. IS TO BE INSTALLED AND OFFSET AROUND STRUCTURAL MEMBERS OR OTHER OBSTRUCTIONS SUCH AS PIPING OR DUCT WORK TO MAINTAIN THE FIRE RESISTANCE RATING. NON-RATED WALLS THAT CONTINUE TO STRUCTURE ARE TO TERMINATE AND MAINTAIN THE INTENT OF THE CONTINUOUS PLANE OF ONE LAYER OF GYP. BD. AS A NOISE, SMOKE OR OTHER TYPE OF BARRIER. ALL GYP. BD. SHALL BE 5/8" TYPE "X", UNLESS NOTED OTHERWISE. 	LEVEL 5 http://www.selfacture.com Level5architecture.com
			10. SOUND ATTENUATION BLANKETS SHALL EXTEND THE FULL HEIGHT OF THE WALLS. PROVIDE SUPPORT OF INSULATION WITH CHICKEN WIRE	
LINE OF STRUCTURE ACOUSTICAL SEALANT @ EACH SIDE DOUBLE 2X TOP PLATE CEILING AS SCHEDULED 1" AIR SPACE ACOUSTICAL INSULATION (WHEN INDICATED) 2X WOOD STUD FRAMING GYPSUM BOARD 2X PRESSURE TREATED SILL ACOUSTICAL SEALANT @ EACH SIDE FINISHED FLOOR	SMOKE PARTITION G Image: Smoke partition Line of structure Acoustical sealant Double 2x top plate Image: Smoke partition Ceilling as scheduled Acoustical insulation (when indicated) Acoustical insulation (when indicated) Plan Gypsum Board Image: Sill Acoustical sealant @ Each side Finished Floor Finished Floor	SINGLE SIDE PARTITION (PARTIAL HEIGHT GYP) C LINE OF STRUCTURE DOUBLE 2X TOP PLATE ACOUSTICAL INSULATION TO 4'-0" OF EACH SIDE OF PARTITION (WHEN INDICATED FOR PARTITION) CEILING AS SCHEDULED ACOUSTICAL INSULATION (WHEN INDICATED) PLAN GYPSUM BOARD 2X WOOD STUD FRAMING GYPSUM BOARD 2X PRESSURE TREATED SILL ACOUSTICAL SEALANT FINISHED FLOOR	 WHERE GYP. BD. DOES NOT EXTEND TO STRUCTURE ABOVE. WHERE THE WALLS DO NOT EXTEND TO THE STRUCTURE ABOVE, PROVIDE 48" PERIMETER OF SOUND ATTENUATION BLANKETS ABOVE THE CEILING AT OFFICE & TOILET ROOM LOCATIONS. 11. MAINTAIN 1/2" SPACE BETWEEN FLOOR SLAB AND BOTTOM OF GYP. BD. ON ALL WALLS. 12. STOP STUDS 1/2" BELOW TOP PLATE TO ALLOW FOR VERTICAL EXPANSION. DO NOT ATTACH STUDS OR GYP. BD. TO TOP PLATE. 13. EACH STUD GOING TO STRUCTURE AND EXCEEDING ALLOWABLE HEIGHTS SHALL BE BRACED 45 DEGREES DIAGONALLY 12" ABOVE CEILING WITH EQ. SIZE STUDS. 14. ALL PARTITION TYPES SHOWN ON THIS SHEET MAY NOT BE APPLICABLE. REFER TO DIMENSION PLAN FOR ACTUAL TYPES USED. 	<u>5/26/2022</u>
YPESTUDGYPSUM BOARDWIDTHRE:.13 1/2"(2) 5/8" GYPSUM BOARD TO STRUCTURE10 1/2"-	TYPESTUDGYPSUM BOARDWIDTHRE:G13 1/2"(1) 5/8" GYPSUM BOARD TO STRUCTURE4 3/4"-	TYPE STUD GYPSUM BOARD WIDTH RE: C1 3 1/2" (1) 5/8" GYPSUM BOARD TO 6" ABOVE 4 1/8" -	U C D I E D	
1 51/2 (2) 5/3 CH SOM DOWND TO STRUCTORE 101/2 2 51/2" @ EACH SIDE 141/2" - 3 71/4" 18" -	G2 5 1/2" @ CORRIDOR SIDE 6 3/4" - G3 7 1/4" (1) 5/8" GYPSUM BOARD TO 6" ABOVE 8 1/2" -	C1 51/2 (1) 5/6 CH SOM DOWD TO CHOOL ADD TO CHOOL 41/6 C2 51/2" CEILING @ SINGLE SIDE ONLY 61/8" C3 71/4" 77/8"	REMARKS (BY NUMBER)	ARK-TEX COUNCIL OF
SUFFIXDESCRIPTIONRE:SACOUSTICAL INSULATION: 3 1/2"-R2-HR FIRE RATED-	CEILING @ ROOM SIDE SUFFIX DESCRIPTION -S ACOUSTICAL INSULATION: 3 1/2"	SUFFIX DESCRIPTION RE: -S ACOUSTICAL INSULATION: 3 1/2" -		GOVERNMENTS
OOUBLE LAYER GYP PARTITION K	FURR OUT PARTITION (FULL HEIGHT GYP) F	STANDARD PARTITION (FULL HEIGHT GYP) B	R AAC	
LINE OF STRUCTURE ACOUSTICAL SEALANT @ EACH SIDE DOUBLE 2X TOP PLATE CEILING AS SCHEDULED ACOUSTICAL INSULATION (WHEN INDICATED) AN 2X WOOD STUD FRAMING	HEAD EXISTING OR INSTALLED SOLID PARTITION / WALL PLAN 2x4 WOOD STUD IN PROFILE (WHEN INDICATED)	LINE OF STRUCTURE ACOUSTICAL SEALANT @ EACH SIDE DOUBLE 2X TOP PLATE HEAD CEILING AS SCHEDULED ACOUSTICAL INSULATION (WHEN INDICATED) PLAN 2X WOOD STUD FRAMING	SUED IN STRICT CONFIDENCE & SHALL NO	TRANSPORTATION OFFICE RENOVATION
GYPSUM BOARD 	GYPSUM BOARD SILL ACOUSTICAL SEALANT FINISHED FLOOR	GYPSUM BOARD 2X PRESSURE TREATED SILL SILL ACOUSTICAL SEALANT @ EACH SIDE FINISHED FLOOR	ARCHITECT AND ARE IS	1610 CLARKSVILLE ST. PARIS, TEXAS 75460
TYPE STUD GYPSUM BOARD WIDTH RE: (1 3 1/2" (2) 5/8" GYPSUM BOARD TO STRUCTURE 6" - (2 5 1/2" @ EACH SIDE 8" - (3 7 1/4" 9 3/4" -	TYPE STUD GYPSUM BOARD WIDTH RE: F1 NONE (1) 5/8" GYPSUM BOARD TO STRUCTURE 5/8" - F2 1 1/2" 2 1/8" - - Image: Imag	TYPE STUD GYPSUM BOARD WIDTH RE: B1 3 1/2" (1) 5/8" GYPSUM BOARD TO STRUCTURE 4 3/4" - B2 5 1/2" @ EACH SIDE 6 3/4" - B3 7 1/4" 8 1/2" - CUEEN 0 0 0	ARE PROPERTY OF THE	PROJECT NUMBER: 21-90T
SUFFIXDESCRIPTIONRE:SACOUSTICAL INSULATION: 3 1/2"-R2-HR FIRE RATED-	SUFFIX DESCRIPTION RE:	SUFFIXDESCRIPTIONRE:-SACOUSTICAL INSULATION: 3 1/2"R1-HR FIRE RATED-	ICATIONS	ISSUE DATE: 5/26/2022 REVISIONS:
CHASE PARTITION J	FURR OUT PARTITION (PARTIAL HEIGHT GYP) E	STANDARD PARTITION (PARTIAL HEIGHT GYP) A		
LINE OF STRUCTURE ACOUSTICAL SEALANT @ EACH SIDE DOUBLE 2X TOP PLATE STUD GUSSETS AT QUARTER POINTS	LINE OF STRUCTURE	LINE OF STRUCTURE DOUBLE 2X TOP PLATE ACOUSTICAL INSULATION TO 4'-0" OF EACH SIDE OF PARTITION (WHEN INDICATED FOR		SHEET NAME:
AD CEILING AS SCHEDULED ACOUSTICAL INSULATION (WHEN INDICATED) AN 2X WOOD STUD FRAMING GYPSUM BOARD 2X PRESSURE TREATED SILL LL ACOUSTICAL SEALANT @ EACH SIDE FINISHED FLOOR	HEAD EXISTING OR INSTALLED SOLID PARTITION / WALL PLAN 2x4 WOOD STUD IN PROFILE (WHEN INDICATED) GYPSUM BOARD SILL ACOUSTICAL SEALANT FINISHED FLOOR	PARTITION) HEAD CEILING AS SCHEDULED ACOUSTICAL INSULATION (WHEN INDICATED) PLAN QYPSUM BOARD 2X PRESSURE TREATED SILL SILL ACOUSTICAL SEALANT @ EACH SIDE FINISHED FLOOR	HIGHER PRIORITY LOWER PRIORITY PRIORITY	PARTITION TYPES
YPE STUD GYPSUM BOARD WIDTH RE:	TYPE STUD GYPSUM BOARD WIDTH RE:	TYPE STUD GYPSUM BOARD WIDTH RE:	PARTITION FUNCTION PRIORITY	
11 3 1/2" (1) 5/8" GYPSUM BOARD TO STRUCTURE PLANS - 12 5 1/2" @ EACH SIDE PLANS - 13 7 1/4" PLANS - 50JFFIX DESCRIPTION RE: S ACOUSTICAL INSULATION: 3 1/2" -	E1 NONE (1) 5/8" GYPSUM BOARD TO 6" ABOVE 5/8" - E2 1 1/2" CEILING 2 1/8" - I I I I I SUFFIX DESCRIPTION RE: I	A1 3 1/2" (1) 5/8" GYPSUM BOARD TO 6" ABOVE 4 3/4" - A2 5 1/2" CEILING @ EACH SIDE 6 3/4" - A3 7 1/4" 8 1/2" - SUFFIX DESCRIPTION RE: -S ACOUSTICAL INSULATION: 3 1/2" -	TWO HOUR FIRE & SMOKE WALL1 (HIGHEST)TWO HOUR FIRE WALL2TWO HOUR SHAFT WALL3ONE HOUR FIRE & SMOKE WALL3ONE HOUR FIRE WALL4NON-RATED WALL5 (LOWEST)	SHEET NUMBER: A402 5/31/2022 12:35:17 PM
				LT









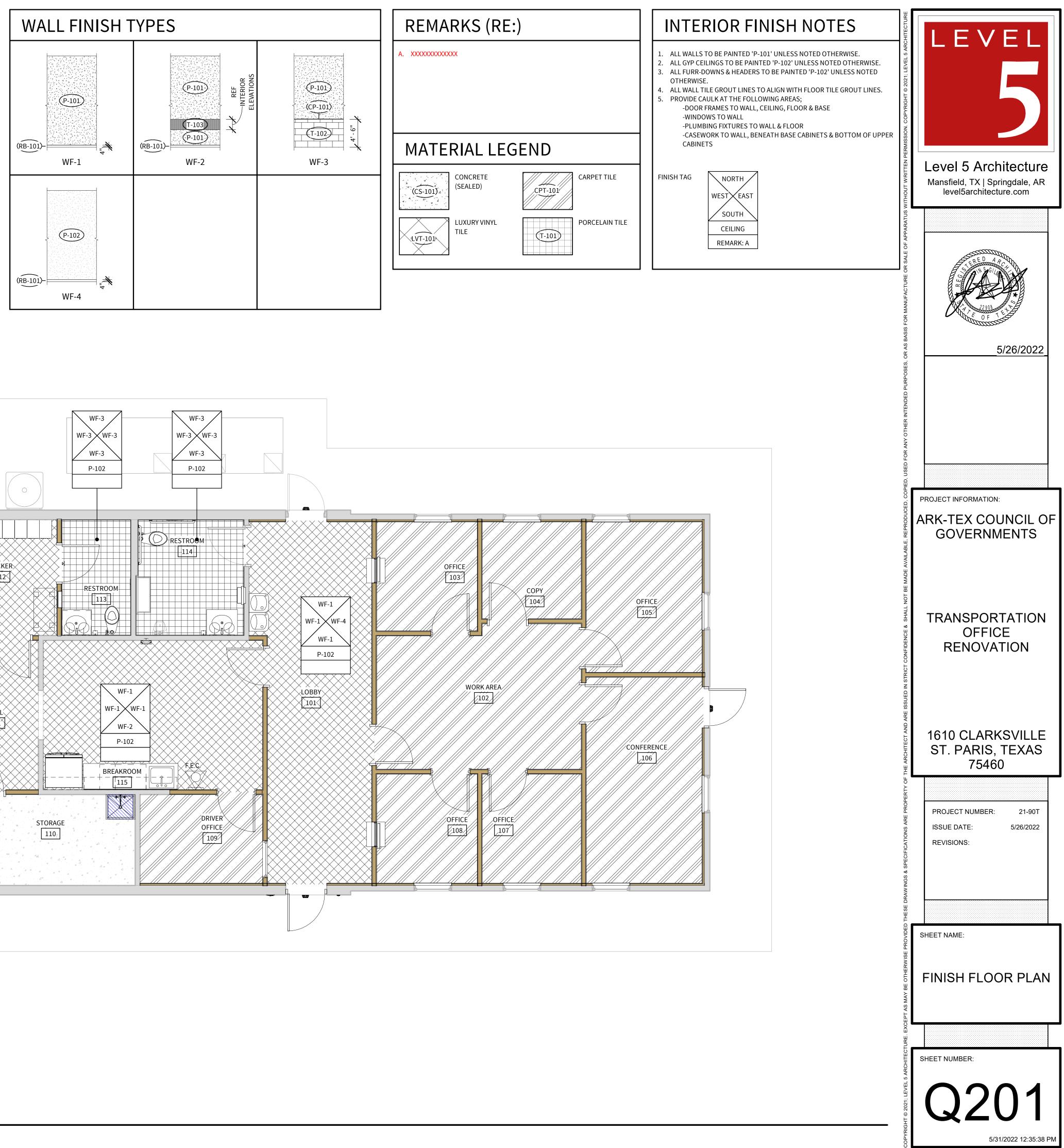




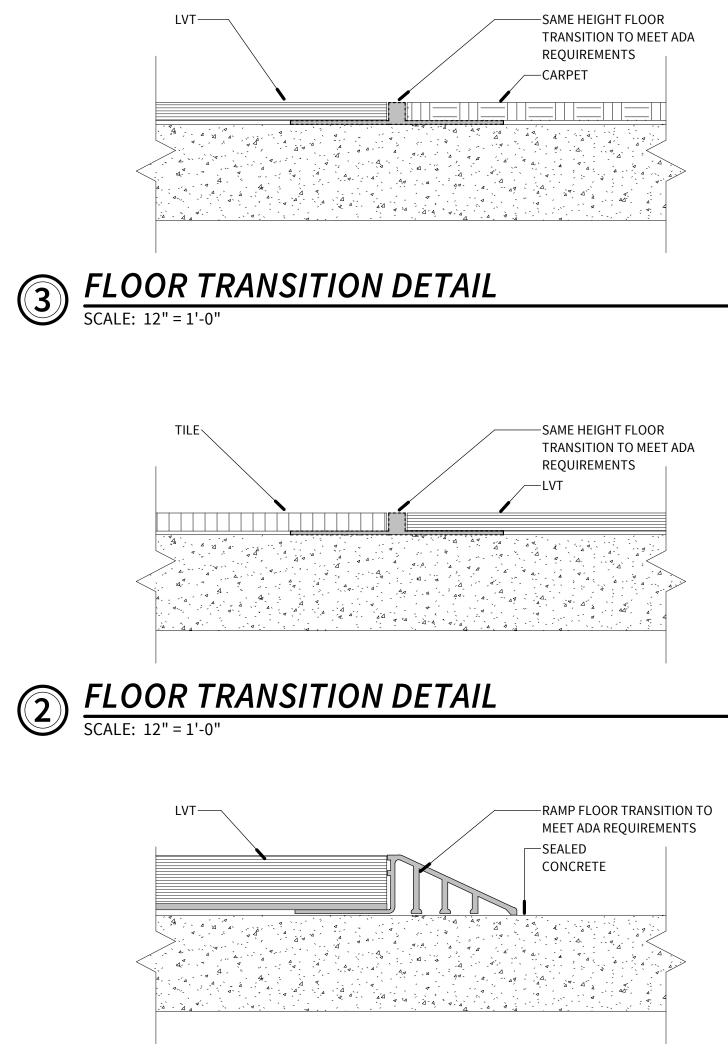




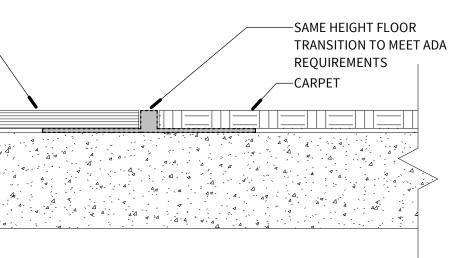
FINISH FLOOR PLAN SCALE: 1/4" = 1'-0"









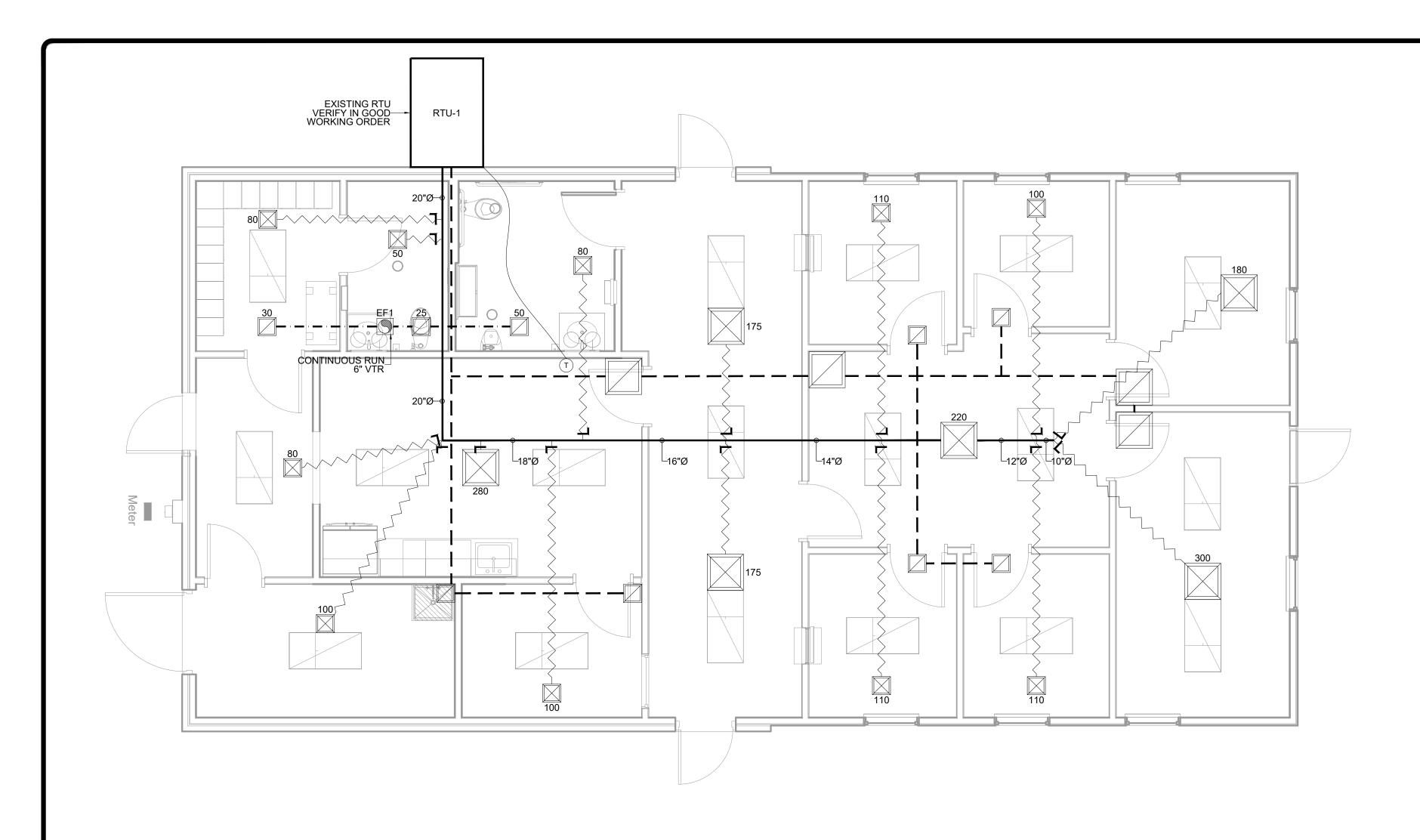


FINISH MATERIALS

MARK	VENDOR	COLLECTION
CAP		
CP-101	SCHLUTER SYSTEMS	JOLLY
CARPET TILE		
CPT-101	PATCRAFT	MIXED MATERIALS CONVERGE
CONCRETE (SEALI	ED)	
CS-101	SHERWIN WILLIAMS	
DOOR FINISH		
DF-101	TIMELY	STANDARD FINISHES
DF-102	KAWNEER	PERMANODIC ANODIZED FINISHE
LUXURY VINYL TIL	E	
LVT-101	PATCRAFT	ADESA (I424V)
PAINT P-101	SHERWIN WILLIAMS	COLOR
P-102	SHERWIN WILLIAMS	COLOR
P-103	SHERWIN WILLIAMS	COLOR
PLASTIC LAMINAT	E	
PL-101	WILSONART	PREMIUM SOFTGRAIN LAMINATE
PORCELAIN TILE		
T-101	FLORIDA TILE	NY2LA
T-102	FLORIDA TILE	NY2LA
T-103	FLORIDA TILE	NY2LA
RUBBER WALL BA	SE	
RB-101	FLEXCO	FLEXTONES
SOLID SURFACE	CTADON	
SS-101	STARON	PEBBLE

FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR FINISH	FLOOR TRANSITION	CEILIN					
101	LOBBY	LVT-101	2/Q301 3/Q301	P-102					
102	WORK AREA	CPT-101	3/Q301	P-102					
103	OFFICE	CPT-101		P-102					
104	СОРҮ	CPT-101		P-102					
105	OFFICE	CPT-101		P-102					
106	CONFERENCE	CPT-101		P-102					
107	OFFICE	CPT-101		P-102					
108	OFFICE	CPT-101		P-102					
109	DRIVER OFFICE	CPT-101	3/Q301	P-102					
110	STORAGE	CS-101	1/Q301	P-102					
111	HALL	LVT-101	1/Q301	P-102					
112	LOCKER	LVT-101	2/Q301	P-102					
113	RESTROOM	T-101	2/Q301	P-102					
114	RESTROOM	T-101	2/Q301	P-102					
115	BREAKROOM	LVT-101	3/Q301	P-102					

				ш.	
				REMARKS	
	OR/FINISH	SIZE	GROUT	REMARKS	LEVEL
SATIN/MA	Т	A100AE			
	100	24" x 24"			
CLOVE (00	(180)	24 X 24		QUARTER TURN	
				STRIP AND SEAL WAREHOUSE	
I		1		NO SSION.	
	TONE (SC101)				
DARK BRU	ONZE NO. 40				Level 5 Architecture
TREELINE	-V2 (00715)	7.2"x48.03"		STAGGERED INSTALLATION	Mansfield, TX Springdale, AR level5architecture.com
I				QUARTER TURN UNIT QUARTER TURN STRIP AND SEAL WAREHOUSE STRIP AND SEAL WAREHOUSE STAGGERED INSTALLATION	
	GRAY (SW7015)			PARATL	
(SW7007)	RIGHT WHITE			OF AP	
GAUNTLE	T GRAY (SW7019)			ACCENT WALL	ERED A PC
SKYLINE	VALNUT	-		MANUFACTURE OR	
(7964K-12	2)				
		12"x 24"		<u>ب</u>	F OF TELE
RIVERSIDI RIVERSIDI	E STEEL	12"x 24"	CBP #542 GRAYSTONE CBP #542 GRAYSTONE	RUNNING BOND	- MILLER
RIVERSID	E STEEL	M122	CBP #542 GRAYSTONE	RUNNING BOND SAIC TILE SP NO	5/26/2022
038 OUTE	RBANKS	4"			
		<u> </u>			
PEBBLE B	OULDER (PB852)	-			
		WALL F	FINISH	O FOR A	
ING FINISH	NORTH	SOUTH WF-1	EAST WEST	NOTES	
	WF-1	WF-1	WF-1 WF-1		PROJECT INFORMATION:
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	WF-1 WF-3	WF-1 WF-3	WF-1 WF-1 WF-3 WF-3		
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				ARCHI	ST. PARIS, TEXAS 75460
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				OPYRIGHT © 2021; LEVEL 5 ARCHITECTURE.	
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ROOF TOP	UNITS										
UNIT NO.	NOMINAL	MANUFACTURER	MODEL #	HEAT TYPE	ORIENTATION	FLOW	IEER/	ELECT	RICAL DA	ATA	WEIGHT
UNIT NO.	COOLING	MANUFACTURER	MODEL #	HEAT TIPE	ORIENTATION	(CFM)	EER	VOLTAGE	MCA	МОСР	(LBS)
RTU-1	6 TONS	TRANE	YSC072F3ELA1	GAS 80 KBTU	HORIZONTAL	2400	UNK	208/3/60	36.5	50	2083

CONTRACTOR TO VERIFY EXISTING UNIT IN GOOD WORKING ORDER.

-INTENT-

THE INTENT OF THIS SPECIFICATION IS TO PROVIDE A STANDARD HVAC INSTALLATION FOR THE FACILITY WHICH IS FREE FROM HAZARD, EFFICIENT, SERVICEABLE, CAPABLE OF MAINTAINING SPECIFIED MAXIMUM RELATIVE HUMIDITY AND TEMPERATURE AS SPECIFIED AND EASY TO MAINTAIN.

THE EQUIPMENT, SYSTEMS, AND CONTROLS SHALL BE DESIGNED AND INSTALLED IN SUCH A MANNER THAT WILL ENCOURAGE THE CONSERVATION OF ENERGY WITHOUT UNNECESSARY HARDSHIP OR INCONVENIENCE TO TENANT.

ALL WORK, MATERIALS AND EQUIPMENT SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE BY TENANT. ANY APPEARING WITHIN THE APPLICATION SHALL BE RATED IN ACCORDANCE WITH WORK WHICH MAY BE STOPPED UP, OR BECOME ONE YEAR GUARANTEE SHALL BE REMOVED AND NEMA STANDARDS. REPLACED AT NO EXPENSE AND TO THE COMPLETE SATISFACTION OF THE TENANT.

-CODES, RULES AND REGULATIONS-

FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION AND THE RULES AND REGULATIONS OF THE SERVING UTILITY, AND ALSO THE REQUIREMENTS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS. WHERE THE CONTRACT REQUIREMENTS ARE IN EXCESS OF APPLICABLE CODES, RULES AND REGULATIONS, THE CONTRACT PROVISIONS SHALL GOVERN. ARRANGE AND PAY FOR ALL INSPECTION WORK OF

THIS SECTION REQUIRED BY A LOCAL BUILDING INSPECTOR.

OBTAIN AND PAY FOR ALL PERMITS AND LICENSES, AND GIVE ALL NOTICES, PAY ALL FEES, COMPLY WITH 1. ROOF TOP UNITS AND ASSOCIATED REFRIGERANT AND ALL EXISTING LAWS, ORDINANCES, RULES AND CONDENSATE PIPING. REGULATIONS, BEARING ON THE CONDUCT OF THE 2. SHEET METAL WORK, INCLUDING DUCTWORK, WORK AS SPECIFIED AND DRAWN. APPROVAL SHALL BE FURNISHED TO THE TENANT SPECIFIED).

BEFORE FINAL ACCEPTANCE WILL BE GIVEN. IF THE CONTRACTOR OBSERVES THAT THE SPECIFIED). DRAWINGS OR SPECIFICATIONS ARE AT VARIANCE WITH 5. EXHAUST FANS, INTAKE LOUVERS. ANY LAWS, ORDINANCES, RULES AND REGULATIONS, HE 6. INSULATION, PIPE AND DUCT.

WRITING.

AS FOLLOWS:

-NEMA-

CONDITIONING AND ALL VENTILATING, THE DESIGN OF MATERIALS FOR A PERIOD ONE YEAR FROM THE DATE OF THE INSTALLATION SHALL COMPLY WITH ALL WHICH SHALL BE BASED UPON THE USE OF A CEILING FINAL ACCEPTANCE OF THE WORK. SUPPLY AND IN-UNIT RETURN AIR SYSTEM.

> WORK INCLUDED UNDER THIS SECTION, WITHOUT LIMITING THE GENERALITY THEREOF CONSISTS OF FURNISHING AND INSTALLING ALL MATERIALS, LABOR, EQUIPMENT, AND SERVICES NECESSARY FOR AND REASONABLY INCIDENTAL TO THE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN IN GENERAL

DIFFUSERS AND REGISTERS. INSPECTION AUTHORITY CERTIFICATE OF 3. DUCT FURNACES GAS FIRED (OR AS OTHERWISE

ME	CHANICAL SYMBOL LEGEND
	24"X24" SUPPLY GRILLE KRUEGER 1400
	12"X12" SUPPLY GRILLE KRUEGER 1400
	24"X24" RETURN GRILLE KREUGER S80
	12"X12" RETURN GRILLE KREUGER S80
	WALL-MOUNTED RETURN GRILLE
L	VOLUMETRIC DAMPER
	METAL DUCTING
	FLEX DUCTING
	RETURN AIR DUCTING
.	EXHAUST AIR DUCTING
Т	DIGITAL PROGRAMMABLE THERMOSTAT W/ LOCK BOX, MOUNT 48" A.F.F.
	EXHAUST FAN

EXHAUST F	ANS		
EXH. FAN NO.	CFM	MANUF. MODEL#	ELEC. DATA
EF1	105	COOK GC-146	115/1/60 35W

SHALL PROMPTLY NOTIFY THE ARCHITECT-ENGINEER IN

WITHOUT NOTICE TO THE ARCHITECT-ENGINEER, HE TEST OUT EQUIPMENT. SHALL BEAR ALL EXPENSE REQUIRED TO MAKE THE WORK TO CONFORM IN AN ACCEPTABLE MANNER.

-SCOPE OF WORK-

4. UNIT HEATERS, GAS FIRED (OR AS OTHERWISE

7. ENVIRONMENTAL CONTROL PANELS, ALL SYSTEMS SENSORS AND RELATED THERMOSTATS.

IF THE CONTRACTOR PERFORMS ANY WORK 8. TESTING AND BALANCING. KNOWING IT TO BE CONTRARY TO THE ABOVE, AND 9. PROVIDE ALL TEMPORARY HOOK UP REQUIRED TO

-PROTECTION-

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERFECT OPERATION OF THE ENTIRE SYSTEM AND MUST ELECTRICAL COMPONENTS USED IN THIS MAKE GOOD AT HIS OWN EXPENSE ANY PART OF THE INOPERATIVE DUE TO LEAVING THE WORK UNPROTECTED DURING CONSTRUCTION OF THE SYSTEM OR WHICH MAY BREAK OR FAIL IN ANY MANNER BY FURNISH A COMPLETE SYSTEM OF HEATING, AIR REASONS OF POOR WORKMANSHIP OR DEFECTIVE

-GUARANTEE-

ALL WORK, MATERIALS, AND EQUIPMENT SHALL BE GUARANTEE FOR ONE YEAR EXCEPT, COMPRESSORS SHALL BE FOR 5 YEARS FROM TENANTS OPENING DATE. ANY DEFECTIVE ITEMS APPEARING WITHIN THE GUARANTEE PERIOD SHALL BE REMOVED AND REPLACED AT NO EXPENSE AND TO THE COMPLETE SATISFACTION OF TENANT. OPERATIONS AND MAINTENANCE MANUALS WILL BE PROVIDED TO OWNER.

-GRILLS AND DIFFUSERS-

-CEILING MOUNTED AND T-GRID MOUNTED SUPPLY GRILLES/DIFFUSERS TO BE METALAIRE 5800 SERIES, KREUGER 1400, OR EQUIVALENT UNLESS OTHERWISE

SCHEDULED ON PLANS.

DEFLECTION WITH CURVED FLANGE KRUEGER 5DMGR UNIFIED DEVELOPMENT CODE SERIES, METALAIRE 4002PCF OR EQUIVALENT UNLESS OTHERWISE SCHEDULED ON PLANS.

-SUPPLY GRILLES TO HAVE MANUAL DAMPERS. -RETURN GRILLES TO BE KRUEGER S80 SERIES, METALAIRE RH SERIES, OR EQUIVALENT UNLESS OTHERWISE SCHEDULED ON PLANS.

-THERMOSTATS-

DIGITAL PROGRAMMABLE THERMOSTATS MOUNTED @ 48" A.F.F. PER A.D.A. REQUIREMENTS.

-DUCTING-

METAL ROUND DUCT SIZED PER PLAN. FLEX DUCT APPROVED IF ALLOWED BY THE CITY AIR SIDE.

WITH JURISDICTION. FLEXIBLE DUCTWORK MIN. R-8. ALL DUCT SEAMS TO BE SEALED WITH UL181A OR 181B TAPES AND MASTICS. MECHANICAL FASTENERS AND SEALANTS MUST BE USED TO CONNECT DUCTS TO AIR DISTRIBUTION EQUIPMENT. FIRST 10' FROM PLENUM TO BE LINED WITH 1"

INSULATION. BALANCING DEVICES PER IMC 603.15.

ALL DUCT WORK PENETRATING FIRE WALLS MUST HAVE FIRE DAMPERS. FIRE DAMPERS TO BE INSTALLED ACCORDING TO LOCAL, STATE, AND NATIONAL FIRE CODES. ALL EXPOSED DUCTWORK TO BE INSULATED TO

THE END WITH 2" THICK LINER. NO INSULATION REQUIREMENT FOR DUCTS

LOCATED IN CONDITIONED SPACE. DUCTS SHALL BE SUPPORTED WITH APPROVED HANGERS AT INTERVALS NOT EXCEEDING 10'. DO NOT PINCH FLEX DUCT WITH TIE WRAPS.

-RTUS-

-DUCT MOUNTED SUPPLY GRILLES TO BE SINGLE TO BE SCREENED PER SECTION 5.3.2.B.2.a OF THE

DETECTORS ON THE RETURN AIR SIDE. EXCEEDING 54,000 BTH/h.

DRAIN.

-ECONOMIZERS-

EXCEEDING 54,000 BTH/h. AIR ECONOMIZERS SHALL BE CAPABLE OF

PROVIDE BAROMETRIC RELIEF DAMPER. GRAVITY DAMPERS TO BE USED FOR RETURN, EXHAUST/ RELIEF, AND OUTDOOR AIR DAMPERS IN ECONOMIZERS.

-LOUVERS/VENTS-ALL EXTERIOR LOUVERS AND VENTS TO BE PAINTED TO MATCH EXTERIOR FINISHES.

CFM
20
40
15
16
20
13
40
10
13
5
192

-MECHANICAL UNITS-

UNITS 2000 CFM OR GREATER MUST HAVE SMOKE

AN INTEGRATED AIR ECONOMIZER IS REQUIRED FOR ALL COOLING SYSTEMS WITH COOLING CAPACITY

PROVIDE HAIL GUARDS FOR ALL UNITS. PROVIDE CONDENSATE OVERFLOW SWITCH ON ALL AIR HANDLERS. CONDENSATE LINES TO BE INSTALLED BY PLUMBING CONTRACTOR. LINE SIZES PER

MANUFACTURER. LINES TO TERMINATE AT NEAREST ALL UNITS TO HAVE FRESH AIR DUCTED TO RETURN

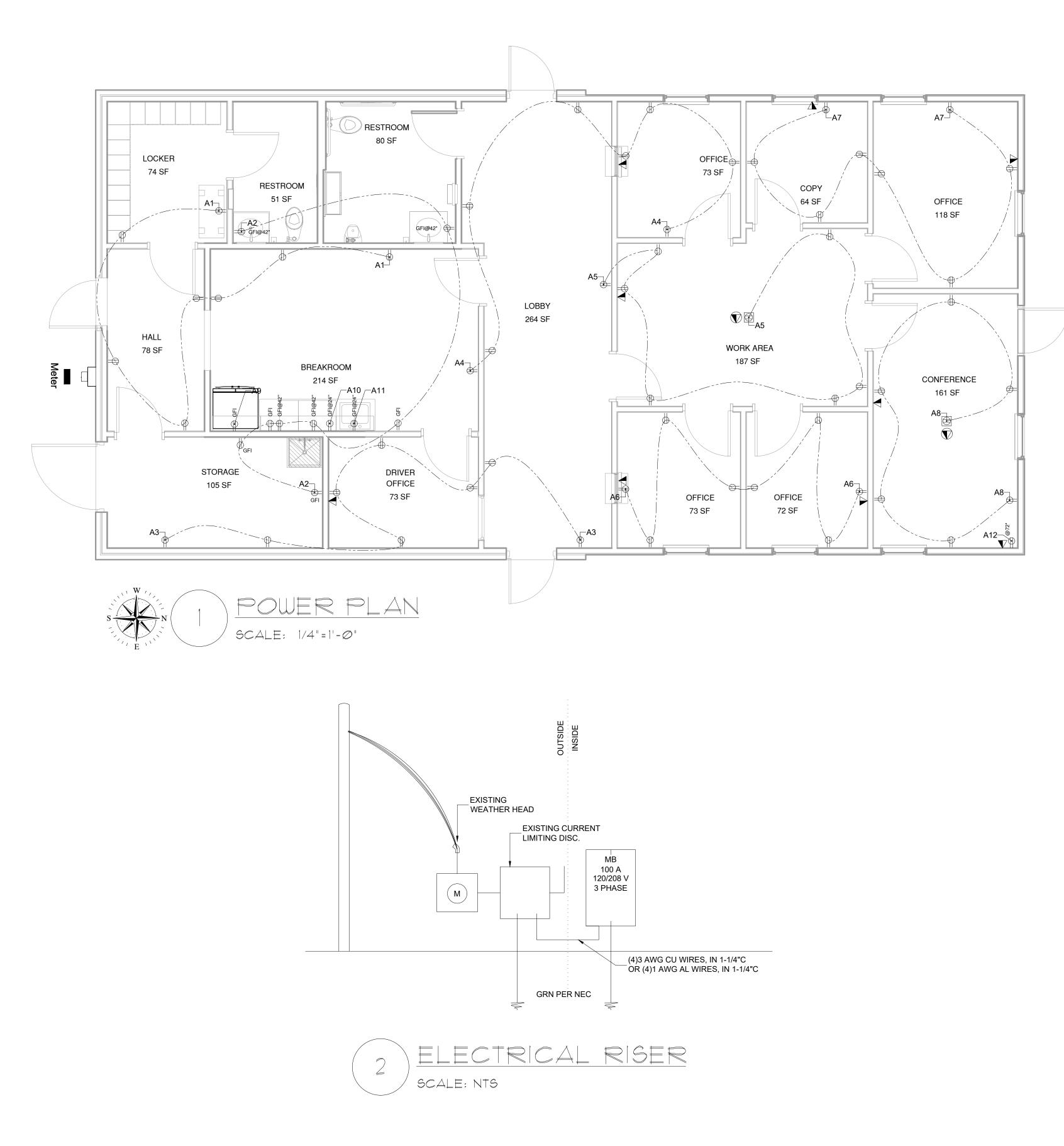
AN INTEGRATED AIR ECONOMIZER IS REQUIRED FOR ALL COOLING SYSTEMS WITH COOLING CAPACITY

SUPPLYING UP TO 100% OF DESIGN OUTSIDE AIR. ECONOMIZERS MUST BE SUPPLIED WITH HONEYWELL, OR EQUAL, ECONOMIZER CONTROL PAD. HIGH LIMIT SHUT OFF TO BE SET @ 65 DEGREES FAHRENHEIT.

AIR ECONOMIZERS TO BE EQUIPPED WITH FAULT DETECTION AND DIAGNOSTICS(FDD SYSTEM).

NOTE TO BIDDERS

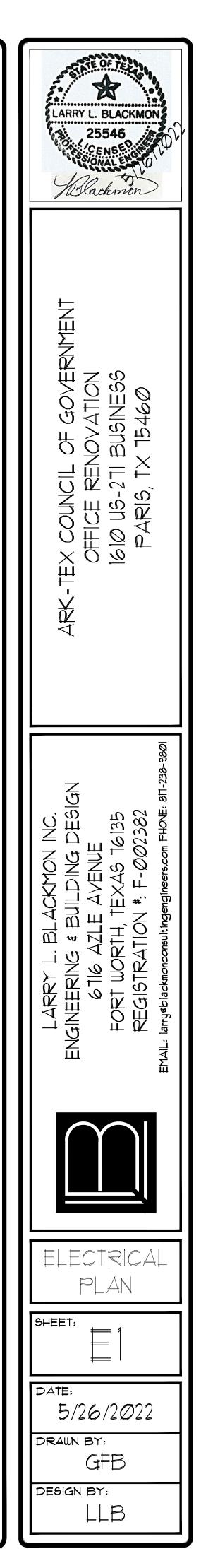
LARRY L. BLACKMON 25546 CENSE ONAL Walachmon	
ARK-TEX COUNCIL OF GOVERNMENT OFFICE RENOVATION 1610 US-271 BUSINESS PARIS, TX 75460	
LARRY L. BLACKMON INC. ENGINEERING & BUILDING DESIGN 6716 AZLE AVENUE FORT WORTH, TEXAS 76135 REGISTRATION #: F-002382 EMAL: lary@blackmonconsultingengineers.com PHONE: 811-238-3801	
MECHANICAL	
PLAN Sheet:	
DATE: 5/26/2022 DRAWN BY: GFB DESIGN BY: LLB	



	ELECT	RICAL	SYM	BOL LEO	GEND					
φ		120	V DUF	PLEX OU	TLET					
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PANEL - A	0.0000.000		3 PHA		MB	4 WIRE	=	10				
					JUNC ⁻ 220V		OX					
			FLOOR MOUNTED COMBINATION DATA/ TELEPHONE OUTLET WITH COVER									
			9	DA	ΑΤΑ/ Τ	BINATIO ELEPH JTLET	ON IONE					
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NOTE TO BIDDERS

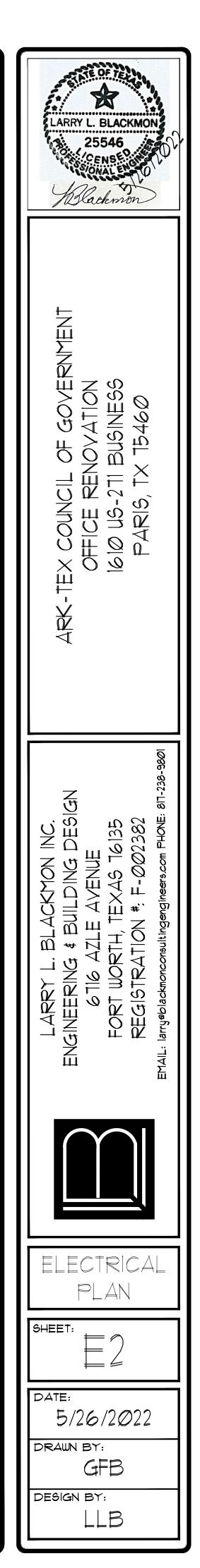


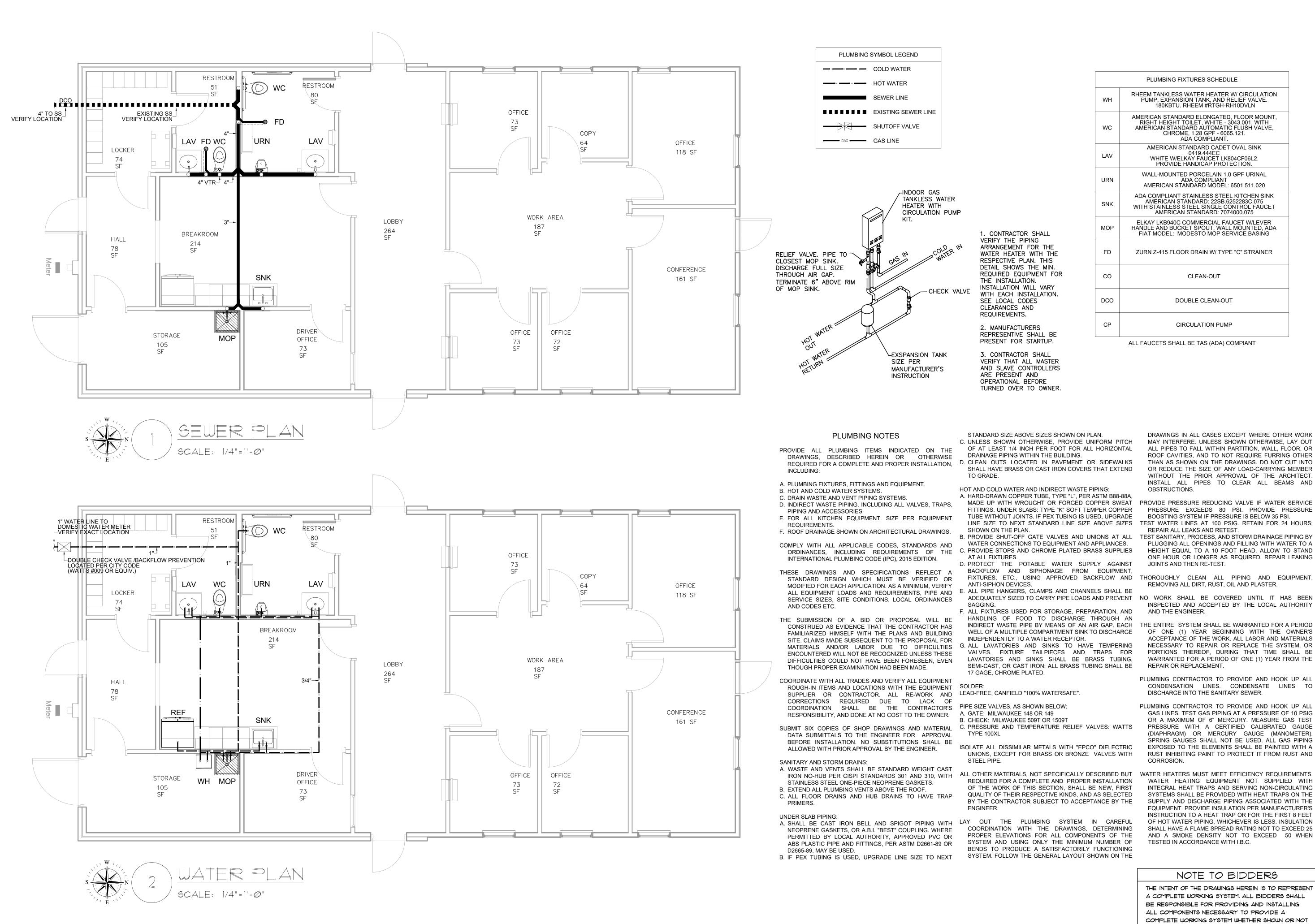


	LIGHTING FIXTURE	SCHEDULE
Şo	OCCUPANCY SENSING MULTI- LOCATION SWITCH, MANUAL ON/AUTO-OFF/30 MIN TIMEOUT	LUTRON MS-OPS SERIES
Şм	MULTI-LOCATION, SINGLE POLE SWITCH	LUTRON MA-S8AM SERIES
Ş	SINGLE POLE MECHANICAL SWITH	LUTRON CA-1PS SERIES
A	2'X'4' LED PANEL 38 WATTS PER FIXTURE	LITHONIA 2BLT4
⊖ _B ⊊	BATHROOM WALL SCONCE ADA COMPLIANT 10 WATTS PER FIXTURE	SEA GULL LIGHTING DRISCOLL 4440402EN-848
O _C	6 INCH RECESSED LED DOWNLIGHT 34.8 WATTS PER FIXTURE	LITHONIA LDN6
< <u>EXIT></u> D	LED EDGE-LIT EXIT SIGN W/ DIRECTIONAL CHEVRONS 3.5 WATTS PER FIXTURE	LITHONIA LRP
 E 	WALL/CEILING MOUNTED EMERGENCY LIGHT W/BATTERY BACKUP, 3 WATTS PER FIXTURE	LITHONIA ELM4L
⇔ _F	ARCHITECTURAL EMERGENCY LIGHT W/BATTERY BACKUP, 3 WATTS PER FIXTURE	LITHONIA AFF
	IG NOTES: NT ALL SWITCHES @ 48" A.F.F. UNLES	SS NOTED

1. MOUNT ALL SWITCHES @ 48" A.F.F. UNLESS NOTED 2. ALL EXTERIOR BUILDING MOUNTED LIGHTING TO BE PROVIDED WITH CONTROLS THAT AUTOMATICALLY SHUT OFF LIGHTING AS A FUNCTION OF DAWN/DUSK AND A SET OPENING AND CLOSING TIME.







ENGINEER. COORDINATION WITH THE DRAWINGS, DETERMINING PROPER ELEVATIONS FOR ALL COMPONENTS OF THE SYSTEM AND USING ONLY THE MINIMUM NUMBER OF BENDS TO PRODUCE A SATISFACTORILY FUNCTIONING SYSTEM. FOLLOW THE GENERAL LAYOUT SHOWN ON THE

	PLUMBING FIXTURES SCHEDULE
WH	RHEEM TANKLESS WATER HEATER W/ CIRCULATION PUMP, EXPANSION TANK, AND RELIEF VALVE. 180KBTU. RHEEM #RTGH-RH10DVLN
WC	AMERICAN STANDARD ELONGATED, FLOOR MOUNT, RIGHT HEIGHT TOILET, WHITE - 3043.001. WITH AMERICAN STANDARD AUTOMATIC FLUSH VALVE, CHROME, 1.28 GPF - 6065.121. ADA COMPLIANT.
LAV	AMERICAN STANDARD CADET OVAL SINK 0419.444EC WHITE W/ELKAY FAUCET LK804CF06L2. PROVIDE HANDICAP PROTECTION.
URN	WALL-MOUNTED PORCELAIN 1.0 GPF URINAL ADA COMPLIANT AMERICAN STANDARD MODEL: 6501.511.020
SNK	ADA COMPLIANT STAINLESS STEEL KITCHEN SINK AMERICAN STANDARD: 22SB.6252283C.075 WITH STAINLESS STEEL SINGLE CONTROL FAUCET AMERICAN STANDARD: 7074000.075
MOP	ELKAY LKB940C COMMERCIAL FAUCET W/LEVER HANDLE AND BUCKET SPOUT, WALL MOUNTED, ADA FIAT MODEL: MODESTO MOP SERVICE BASING
FD	ZURN Z-415 FLOOR DRAIN W/ TYPE "C" STRAINER
СО	CLEAN-OUT
DCO	DOUBLE CLEAN-OUT
СР	CIRCULATION PUMP
	ALL FAUCETS SHALL BE TAS (ADA) COMPIANT

STANDARD SIZE ABOVE SIZES SHOWN ON PLAN.

C. UNLESS SHOWN OTHERWISE, PROVIDE UNIFORM PITCH OF AT LEAST 1/4 INCH PER FOOT FOR ALL HORIZONTAL DRAINAGE PIPING WITHIN THE BUILDING. D. CLEAN OUTS LOCATED IN PAVEMENT OR SIDEWALKS SHALL HAVE BRASS OR CAST IRON COVERS THAT EXTEND

HOT AND COLD WATER AND INDIRECT WASTE PIPING: A. HARD-DRAWN COPPER TUBE, TYPE "L", PER ASTM B88-88A,

FITTINGS. UNDER SLABS: TYPE "K" SOFT TEMPER COPPER TUBE WITHOUT JOINTS. IF PEX TUBING IS USED, UPGRADE

B. PROVIDE SHUT-OFF GATE VALVES AND UNIONS AT ALL WATER CONNECTIONS TO EQUIPMENT AND APPLIANCES.

D. PROTECT THE POTABLE WATER SUPPLY AGAINST BACKFLOW AND SIPHONAGE FROM EQUIPMENT,

F. ALL FIXTURES USED FOR STORAGE, PREPARATION, AND HANDLING OF FOOD TO DISCHARGE THROUGH AN WELL OF A MULTIPLE COMPARTMENT SINK TO DISCHARGE INDEPENDENTLY TO A WATER RECEPTOR.

VALVES. FIXTURE TAILPIECES AND TRAPS FOR LAVATORIES AND SINKS SHALL BE BRASS TUBING, SEMI-CAST, OR CAST IRON; ALL BRASS TUBING SHALL BE 17 GAGE, CHROME PLATED.

ISOLATE ALL DISSIMILAR METALS WITH "EPCO" DIELECTRIC UNIONS, EXCEPT FOR BRASS OR BRONZE VALVES WITH

REQUIRED FOR A COMPLETE AND PROPER INSTALLATION OF THE WORK OF THIS SECTION, SHALL BE NEW, FIRST QUALITY OF THEIR RESPECTIVE KINDS, AND AS SELECTED BY THE CONTRACTOR SUBJECT TO ACCEPTANCE BY THE

DRAWINGS IN ALL CASES EXCEPT WHERE OTHER WORK MAY INTERFERE. UNLESS SHOWN OTHERWISE, LAY OUT ALL PIPES TO FALL WITHIN PARTITION, WALL, FLOOR, OR ROOF CAVITIES, AND TO NOT REQUIRE FURRING OTHER THAN AS SHOWN ON THE DRAWINGS. DO NOT CUT INTO OR REDUCE THE SIZE OF ANY LOAD-CARRYING MEMBER WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT. INSTALL ALL PIPES TO CLEAR ALL BEAMS AND OBSTRUCTIONS.

- MADE UP WITH WROUGHT OR FORGED COPPER SWEAT PROVIDE PRESSURE REDUCING VALVE IF WATER SERVICE PRESSURE EXCEEDS 80 PSI. PROVIDE PRESSURE BOOSTING SYSTEM IF PRESSURE IS BELOW 35 PSI. LINE SIZE TO NEXT STANDARD LINE SIZE ABOVE SIZES TEST WATER LINES AT 100 PSIG. RETAIN FOR 24 HOURS;
 - REPAIR ALL LEAKS AND RETEST. TEST SANITARY, PROCESS, AND STORM DRAINAGE PIPING BY PLUGGING ALL OPENINGS AND FILLING WITH WATER TO A HEIGHT EQUAL TO A 10 FOOT HEAD. ALLOW TO STAND ONE HOUR OR LONGER AS REQUIRED. REPAIR LEAKING
- JOINTS AND THEN RE-TEST. FIXTURES, ETC., USING APPROVED BACKFLOW AND THOROUGHLY CLEAN ALL PIPING AND EQUIPMENT, REMOVING ALL DIRT, RUST, OIL AND PLASTER.
- ADEQUATELY SIZED TO CARRY PIPE LOADS AND PREVENT NO WORK SHALL BE COVERED UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE LOCAL AUTHORITY AND THE ENGINEER.
- INDIRECT WASTE PIPE BY MEANS OF AN AIR GAP. EACH THE ENTIRE SYSTEM SHALL BE WARRANTED FOR A PERIOD OF ONE (1) YEAR BEGINNING WITH THE OWNER'S ACCEPTANCE OF THE WORK. ALL LABOR AND MATERIALS NECESSARY TO REPAIR OR REPLACE THE SYSTEM, OR PORTIONS THEREOF, DURING THAT TIME SHALL BE WARRANTED FOR A PERIOD OF ONE (1) YEAR FROM THE REPAIR OR REPLACEMENT.

PLUMBING CONTRACTOR TO PROVIDE AND HOOK UP ALL CONDENSATION LINES. CONDENSATE LINES TO DISCHARGE INTO THE SANITARY SEWER.

PLUMBING CONTRACTOR TO PROVIDE AND HOOK UP ALL GAS LINES. TEST GAS PIPING AT A PRESSURE OF 10 PSIG OR A MAXIMUM OF 6" MERCURY. MEASURE GAS TEST PRESSURE WITH A CERTIFIED CALIBRATED GAUGE (DIAPHRAGM) OR MERCURY GAUGE (MANOMETER). SPRING GAUGES SHALL NOT BE USED. ALL GAS PIPING EXPOSED TO THE ELEMENTS SHALL BE PAINTED WITH A RUST INHIBITING PAINT TO PROTECT IT FROM RUST AND CORROSION.

WATER HEATING EQUIPMENT NOT SUPPLIED WITH INTEGRAL HEAT TRAPS AND SERVING NON-CIRCULATING SYSTEMS SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING ASSOCIATED WITH THE EQUIPMENT. PROVIDE INSULATION PER MANUFACTURER'S INSTRUCTION TO A HEAT TRAP OR FOR THE FIRST 8 FEET OF HOT WATER PIPING, WHICHEVER IS LESS. INSULATION SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 50 WHEN TESTED IN ACCORDANCE WITH I.B.C.

NOTE TO BIDDERS

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PLUMBING PLAN
SHEET:
DATE: 5/26/2022 DRAWN BY:
GFB DESIGN BY: LLB