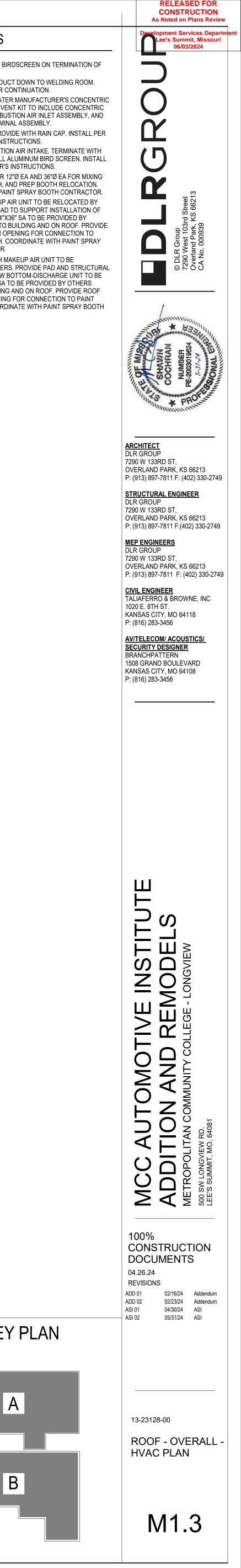
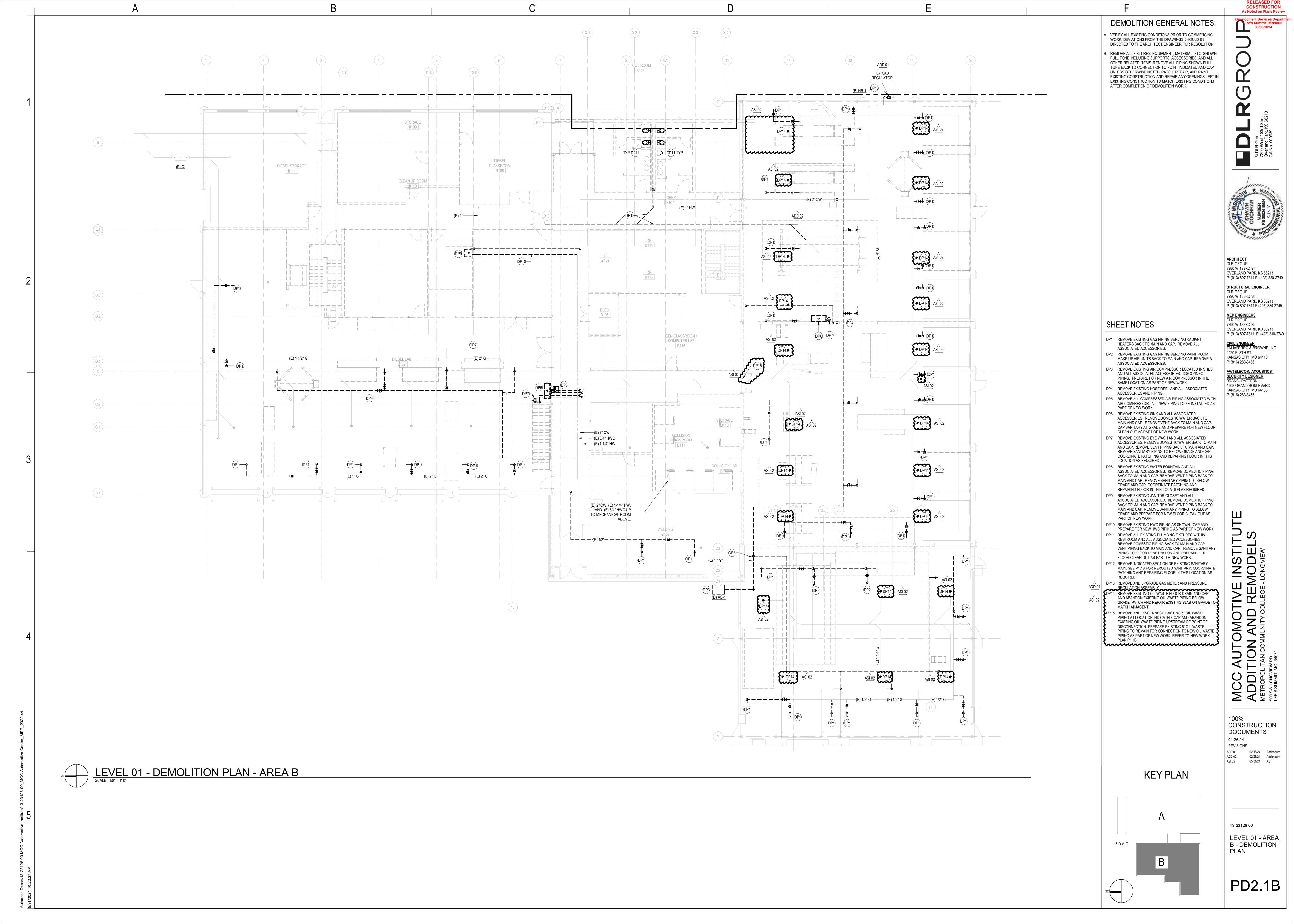
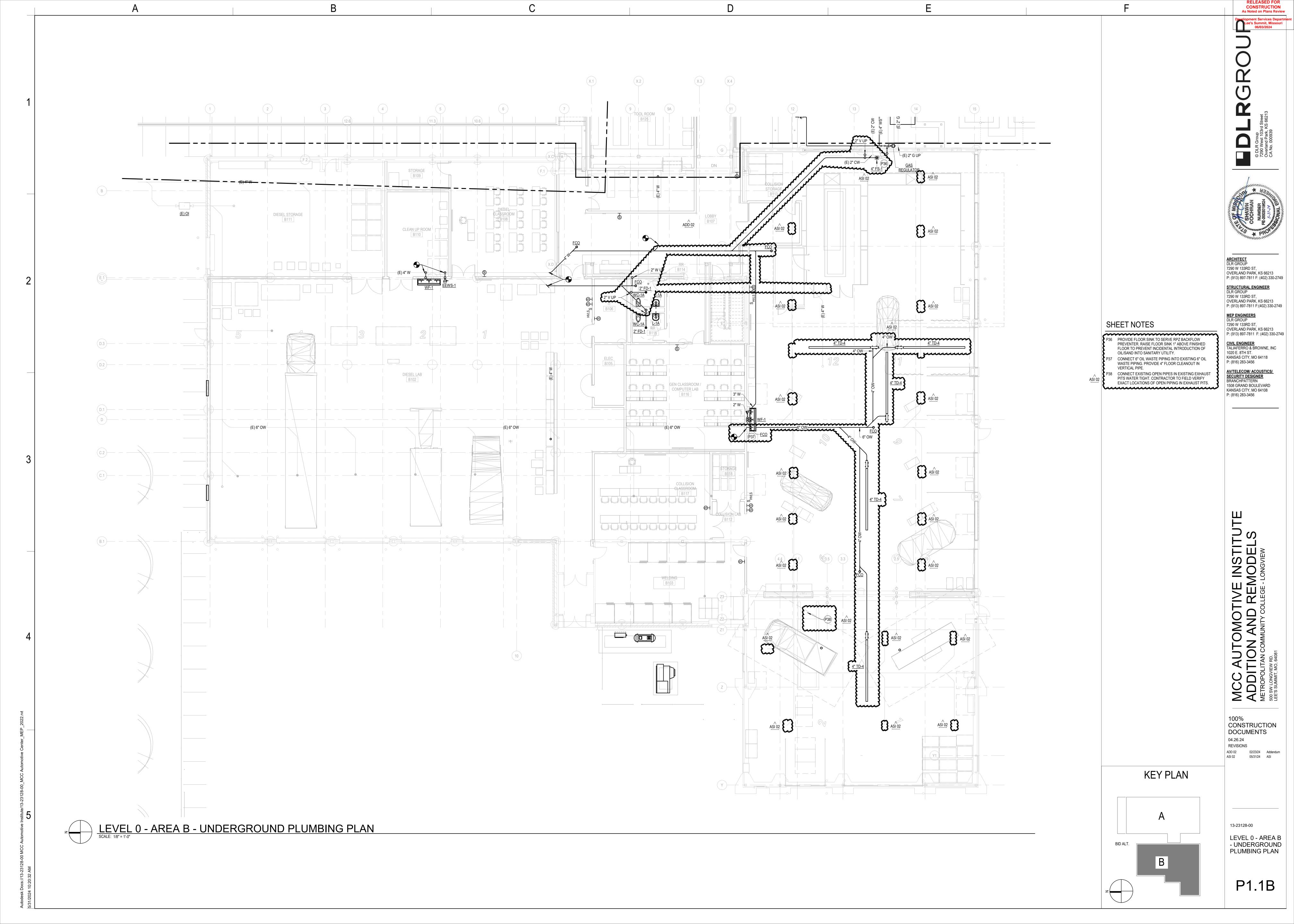
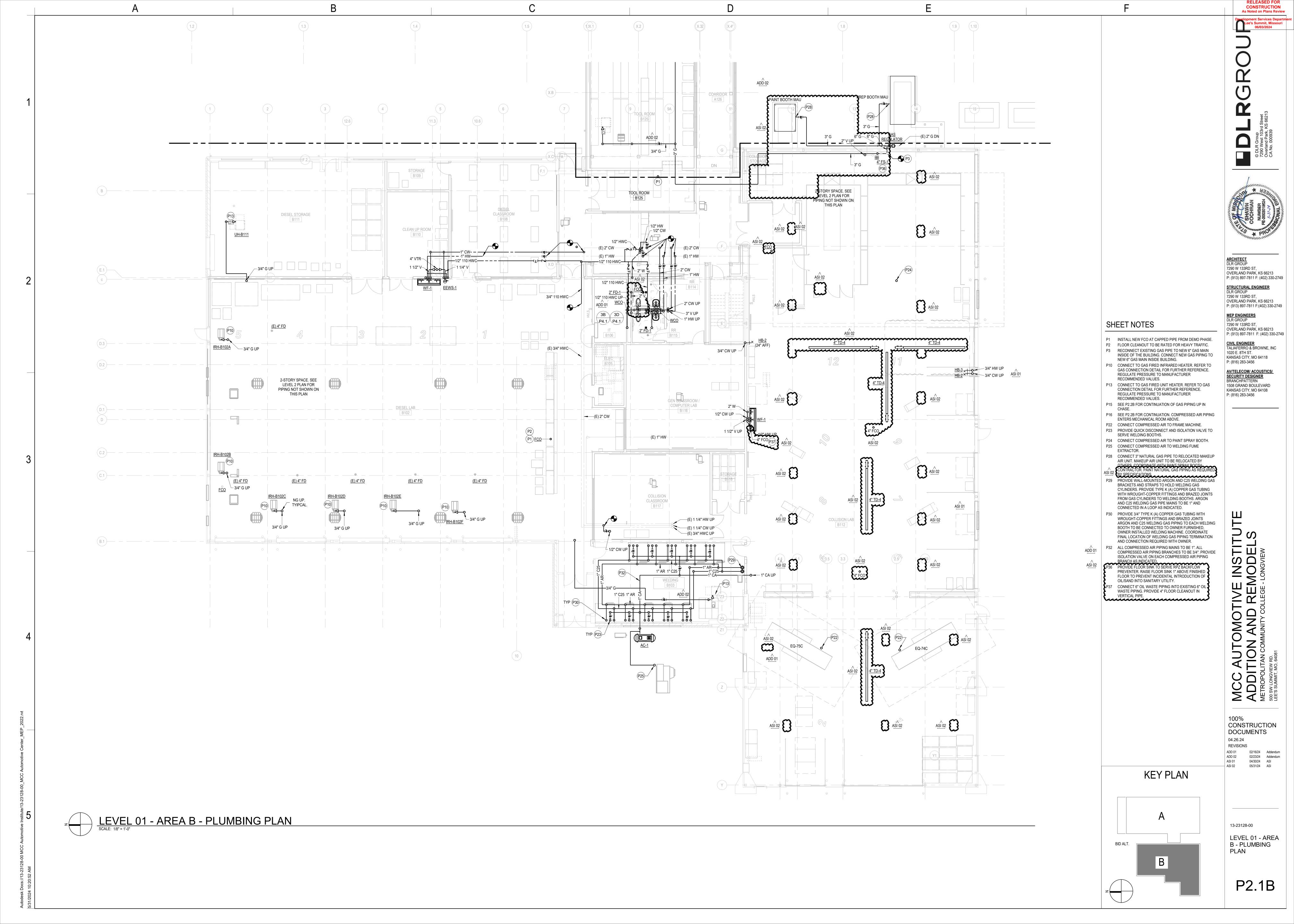


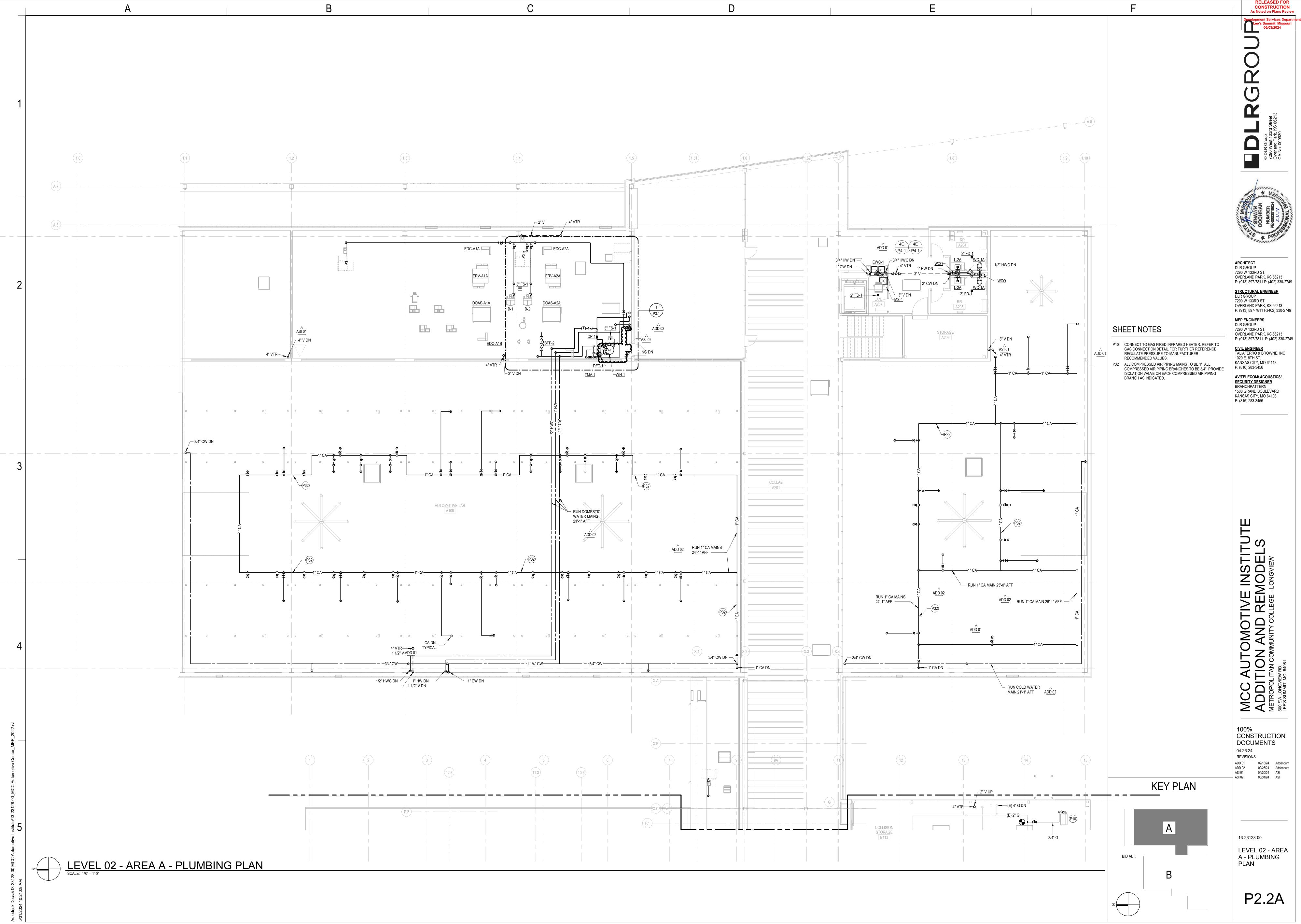
E		F
		SHEET NOTES
		 H14 PROVIDE ALUMINUM BIRDS(GOOSENECK. H16 28"x26" SUPPLY AIR DUCT D REFER TO M1.1B FOR CONT H17 GAS-FIRED UNIT HEATER M/ VENT. CONCENTRIC VENT K ADAPTER BOX, COMBUSTIO EXHAUST VENT TERMINAL A
		EXHAUST VENT TERMINAL A H29 4"ø BOILER VENT. PROVIDE MANUFACTURER'S INSTRUC H30 4"ø BOILER COMBUSTION AI GOOSENECK. INSTALL ALUM PER MANUFACTURER'S INS H31 ROOF OPENINGS FOR 12"Ø
	ADD 01 ADD 02	ROOM, PAINT BOOTH, AND F COORDINATE WITH PAINT S H34 PREP BOOTH MAKEUP AIR L OTHERS. PROVIDE PAD TO S MAKEUP AIR UNIT. 54"X36" S OTHERS EXTERIOR TO BUIL ROOF PENETRATION OPENI PAINT SPRAY BOOTH. COOF
	A <u>SI 01</u>	BOOTH CONTRACTOR. H35 PAINT SPRAY BOOTH MAKE RELOCATED BY OTHERS. PF SUPPORTS TO ALLOW BOTT ELEVATED. 32"X32" SA TO B EXTERIOR TO BUILDING AND PENETRATION OPENING FO SPRAY BOOTH. COORDINAT
		CONTRACTOR.
		KEYI
		BID ALT.

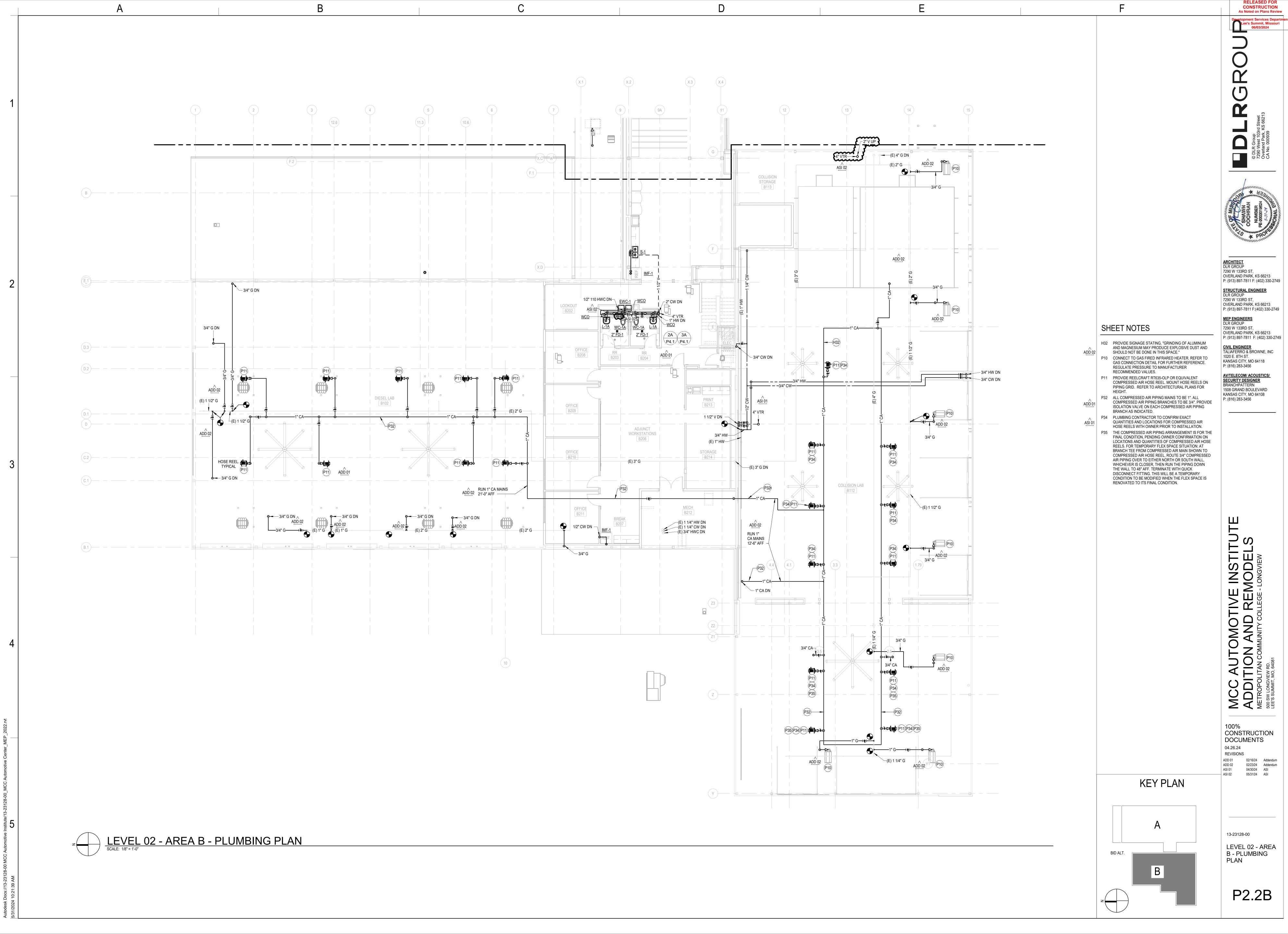












								В							
								TRIM				FLOW	FIXTURE		
ID BFP-1 BFP-2	DESCRIP DOMESTIC WATER BAC BOILER SYSTEM MAKEUP I	CKFLOW PREVENTER	QTY	LEAD FREE, BR	ONZE	FINISH	MANUFACTURER	MODEL	TYPE	MOTION SENSOR CONTROL	WATER FLOW (GPM)	TIMER DURATION (SEC)	WA COLD 40 40	HOT	P (°F) MA MIX
EEWS-1 EWC-1	ELECTRIC WATER COOLER, DUAL LEVEL WITH	/E/FACE WASH , ADULT ADA COMPLIANT,	3 2	GALVANIZED S	TEEL	STAINLESS STEEL STAINLESS STEEL CABINET				No	3 0.13	0	40 40 40	120	85 40
HB-1 HB-2 HB-3	EXTERIOR WAI INTERIOR WAL INTERIOR WAL	LL HYDRANT LL HYDRANT	8 4 1						MANUAL MANUAL MANUAL	No No No	2.5 2.5 2.5	0 0 0	40 40	120	40 40 120
IMF-1 L-1A	ICE MAKER O		2	GALVANIZED S		GALVANIZED STEEL	SLOAN	EBF-85	BATTERY	No Yes	0.5 0.75	0	40	120 120	10
L-2A	LAVATORY, UNDER CO COMPL	IANT	2	WHITE VITREOUS		WHITE	SLOAN	EBF-85	BATTERY	Yes	0.75	12	40	120	10
MS-1 SH-1A	MOP SINK - FLOG DUAL SHOWER WITH ADA H. AND ADA	IANDSHOWER, GRAB BAR,	2	TERRAZZO	DADD 02		FIAT SYMMONS	830 AA C-96-500-B30-V-QD	MANUAL	No No	2.5 1.5	0 300	40	120 120	105 105
UR-1 UR-1A	URINAL, 0. URINAL, 0.125 GPF,		2	WHITE VITREOUS		WHITE	SLOAN SLOAN	8186-0.125	BATTERY BATTERY	Yes Yes			40		40
WC-1 WC-1A	WATER CLOSET, WAL	MOUNT, 1.28 GPF, ADA	3 8	WHITE VITREOUS		WHITE	SLOAN SLOAN	G2 8111-1.28 G2 8111-1.28	BATTERY BATTERY	Yes Yes			40		40
WF-1	3-STATION, WALL MOUN	NT, HAND WASH SINK	5	WHITE VITREOUS	S CHINA	WHITE	ELKAY	LK940GN05T4H	MANUAL	No	1.5	0	40	120	10
						OIL/SAN	D INTER	CEPTOR	SCHI	EDUL	.E				
	DESIGN MODEL NUMBERS	SARE FOR REFERENCE	E ONLY.	BID EQUIPMENT	TO PRO	/IDE THE INDICATED F	PERFORMANCE.								
NOTES: 1. PROVIDE V	VITH H20 RATED PICKABLI	E CAST IRON COVERS.				CAPACITY (GAL)	IN	ISTALLATION	PIPE C	CONNS (IN)		DIMENSIONS (F	FT-IN)		
ID	ТҮРЕ	MATERIAL DESCRIPTION		COVER DESCRIPTION	DESIGN FLOW (GPM)		LIDS ARRANGEMENT	BOTTOM OF EQUIP ELEV (FT-IN) ECTOM ELEV (FT-IN)		OUTLET	LENGTH	WIDTH	HEIG	GHT	MA
OS-1	OIL AND SAND	POLYETHYLENE	(3) C	AST IRON COVERS	300	2,000 638 1,0	077 BELOW GRADE	9' - 4" 3' - 3"	4"	4"	168"	67 3/4"	67 3		
		FIRE PR	OTE				_	ERIAL SCHE	DULE					<u>ASI 01</u>	
PIPING BETW	SERVIC		LVES	1. GALVANIZED,		ET-PIPE SPRINKLER SYST		MATERIAL OVED-END-PIPE COUPLINGS	; AND GROOVE	ED JOINTS.) 4 1
	RINKLER SYSTEM, NPS 2 AND		_	1. STANDARD-W	/EIGHT OR	SCHEDULE 30, BLACK-ST	EEL PIPE WITH THREADE	D ENDS; UNCOATED, GRAY-IF	RON THREADED) FITTINGS; AN					-
				END-PIPE COUF	PLINGS FOF	R STEEL PIPING; AND GRO	DOVED JOINTS	ROLL-GROOVED ENDS; UNCO.	·				OOVED-		
STANDARD P	RESSURE, WET-PIPE SPRINKL	LER SYSTEM, NPS 2-1/2 AN	D LARGE	END-PIPE COUF	PLINGS FOF	R STEEL PIPING; AND GRO	DOVED JOINTS.	ROLL-GROOVED ENDS; UNCO							-
	SERVIC	<u>`</u>		STEEL PIPING; /	AND GROO		· · · · · · · · · · · · · · · · · · ·	MATERIAL							
(DN 80) AND S	DING-SLAB, DOMESTIC WATER	R, BUILDING-SERVICE PIPIN		1. SOFT COPPE	R TUBE, AS	STM B 88, TYPE K (ASTM E	3 88M, TYPE A); WROUGHT	-COPPER, SOLDER-JOINT FIT	TINGS; AND BF	RAZED JOINTS.					
AND LARGER				1. SOFT COPPE	E, ASTM B8	38, TYPE L (ASTM B88M, T		-COPPER, SOLDER-JOINT FIT ER, SOLDER-JOINT FITTINGS;			RESSURE-SE	AL-JOINT FITTI	INGS;		
ABOVEGROU	ND DOMESTIC WATER PIPING	, NPS 2 (DN 50) AND SMALL	.ER	1. HARD COPPE	R TUBE, AS		3 88M, TYPE B CAST- OR V								
ABOVEGROU 100)	ND DOMESTIC WATER PIPING				R TUBE, AS	STM B 88. TYPE L (ASTM E	88M. TYPE B COPPER PR			,	RED JOINTS.				
ABOVEGROU		6, NPS 2-1/2 TO NPS4 (DN 65	5 TO DN	1. HARD COPPE	R TUBE, AS	STM B 88, TYPE L (ASTM E	888M, TYPE B CAST- OR V	RESS-CONNECT FITTINGS; AN	D PRESS-CONI	NECT JOINTS. S; AND SOLDEF					
	ND DOMESTIC WATER PIPING	· · · · ·		1. HARD COPPE 2. HARD COPPE	R TUBE, AS R TUBE, AS R TUBE, AS	STM B 88, TYPE L (ASTM E STM B 88, TYPE L (ASTM E	3 88M, TYPE B CAST- OR V 3 88M, TYPE B COPPER PF 3 88M, TYPE B CAST- OR V	RESS-CONNECT FITTINGS; AN	d Press-coni Joint Fitting D Press-coni	NECT JOINTS. S; AND SOLDEF NECT JOINTS.	red Joints.				
	SERVIC	5, NPS 5 TO NPS 8 (DN 125 T CE		1. HARD COPPE 2. HARD COPPE 0) 1. HARD COPPE 1. PE PIPE AND	R TUBE, AS R TUBE, AS R TUBE, AS FA FITTINGS J	STM B 88, TYPE L (ASTM E STM B 88, TYPE L (ASTM E STM B 88, TYPE L (ASTM E CILITY NATURAL GAS PI JOINED BY HEAT FUSION;	3 88M, TYPE B CAST- OR V 3 88M, TYPE B COPPER PF 3 88M, TYPE B CAST- OR V PING - 221125 SERVICE-LINE RISERS W	RESS-CONNECT FITTINGS; AN VROUGHT COPPER, SOLDER- RESS-CONNECT FITTINGS; AN	ID PRESS-CONI JOINT FITTING ID PRESS-CONI JOINT FITTING ED IN AN ACCE	NECT JOINTS. S; AND SOLDEF NECT JOINTS. S; AND BRAZEI SSIBLE LOCAT	RED JOINTS. D JOINTS.				
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THE TS OF CSST S ITTING AND INS ISTED FOR P INTS. ISTED FOR P INTS.</td> <td>AVING SOCKE TEM. THE BOI BONDING JUN SHALL BE BON STALL THE IG INSTALLED AND FITTINGS</td> <td>ET OR INDING IDED IN IDED IN IDED IN IN WITH</td> <td></td> <td>PAIN</td>	R TUBE, AS R TUBE, AS R TUBE, AS R TUBE, AS FITTINGS J FITTINGS J VITH WROU EMPER COF VITH WROU EMPER COF VITH WROU VITH WROU VITH WROU OVED BY T OS TO MATC D STAINLES CONNECT SMALLER T WITH WROU OS TO MATC D STAINLES CONNECT SMALLER T WITH MALLE VITH MALLE VITH MALLE VITH MALLE VITH MALLE VITH MALLE VITH MALLE VITH WROU VITH WROU VITH WROU VITH WROU VITH WROU VITH WROU VITH WROU VITH WROU OS TAINLES CONDUIT A CONDUIT A TH WROUG ITH WROU VITH WROU ST-IRON SC PVC PIPE, F ENUM INST. C), DRAWN- VC PLASTIV AST-IRON SC PVC PIPE, F ENUM INST. C), DRAWN- VC PLASTIV AST-IRON SC PVC PIPE, F ENUM INST. 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	C	D E F	
	DOMESTIC FIXTURE	SCHEDULE	
	FLUSH FIXTURE PIPE CONNECTION SIZE (IN) ATER TEMP (°F) VOL MIN WASTE WATE		BASIS OF DESIGN
MANUFACTORER MODEL TYPE SENSOR CONTROL FLOW DURATION (SEC) COLD	HOT MAX MIXED PER FLUSH (GAL) VOL PER FLUSH (GAL) PRIMARY AUX INDIRECT VENT ASI 01	HOT GAS	MANUFACTURER MODEL
40 40 40 40 No 3 0 40	ADD 01 3/4" 120 85 1-1/4" 1-1/4" 1/2"		WATTSSERIES LF909WATTSSERIES LF909GUARDIANG1750BC
No 0.13 15 40 MANUAL No 2.5 0 40 MANUAL No 2.5 0 40	40 2" 1-1/2" 1/2" 40 3/4" 3/4"	TWO STATION WATER COOLER WITH BOTTLE FILLER, 1/4 HP, 115/60 REFRIGERATION COMPRESSOR. PROVIDE WITH CHROME 1-1/4" CAST BRASS 17 GAGE P-TRAP, CHROME SUPPLY PIPES WITH METAL WHEEL HANDLE STOPS. PROVIDE MODEL LKAPREZL APRON. PROVIDE WITH LOOSE KEY TO OPERATE HYDRANT. FREEZELESS - SEE SPECIFICATION. PROVIDE WITH LOOSE KEY TO OPERATE HYDRANT. ANTI-SIPHON PROTECTED DESIGNED FOR USE IN TEMPERATURE CONTROLLED CLIMATE.	ELKAYEZSTL8WSSKWOODFORDMODEL 65WOODFORDMODEL 74
MANUAL No 2.5 0		3/4" PROVIDE WITH LOOSE KEY TO OPERATE HYDRANT. ANTI-SIPHON PROTECTED DESIGNED FOR USE IN TEMPERATURE CONTROLLED CLIMATE. 3/4" O" GALVANIZED ICE MACHINE BOX. WHITE, VITREOUS CHINA 20" X 18" WALL HUNG LAVATORY WITH HOLES ON 4" CENTERS. CONCEALED ARM CARRIER CHROME 1-1/4" CAST BRASS 17 GAGE P-TRAP. CHROME SUPPLY PIPES WITH METAL WHEEL HANDLE STOPS ADA COVER INSULATION FOR	WOODFORD MODEL 74 GUY GRAY BIM875
SLOAN EBF-85 BATTERY Yes 0.75 12 40	120 105 1-1/2" 1/2"		SLOAN SS-3003
SLOAN EBF-85 BATTERY Yes 0.75 12 40 FIAT 830 AA MANUAL No 2.5 0 40	120 105 1-1/2" 1/2" 1/2" 120 105 3" 2" 3/4"	PROVIDE GRID DRAIN. PROVIDE 0.75 GPM FLOW RESTRICTION AERATOR. INSTALL ADA COVER INSULATION FOR WATER AND DRAIN PIPES ACCESSIBLE BELOW COUNTER. PROVIDE AN ASSE 1070 TEMPERING VALVE BELOW LAV.	SLOAN SS-3001
SYMMONS C-96-500-B30-V-QD MANUAL No 1.5 300 40 SLOAN 8186-0.125 BATTERY Yes 40	120 105 2" 1-1/2" 1/2" 40 0.125 0.125 2" 1-1/2" 3/4"	ULTRA HIGH EFFICIENCY, WHITE, VITREOUS CHINA, WASHOUT FLUSH ACTION URINAL OPERATING IN THE RANGE OF 0.125 TO 0.50 GALLONS PER FLUSH. SLOAN 8186-0.125, 0.125 GPF EXPOSED SENSOR OPERATED, BATTERY POWERED, URINAL FLUSH VALVE, 3/4"	BY OTHERS BY OTHERS SLOAN SU-1009
SLOAN 8186-0.125 BATTERY Yes 40	40 0.125 2 11/2 3/4 40 0.125 0.125 2" 1-1/2" 3/4"	I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP, ADJUSTABLE TAILPIECE, VACUUM FLUSH CONNECTION AND SPUD COUPLING FOR 3/4" TOP SPUD. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT. ULTRA HIGH EFFICIENCY, WHITE, VITREOUS CHINA, WASHOUT FLUSH ACTION URINAL OPERATING IN THE RANGE OF 0.125 TO 0.50 GALLONS PER FLUSH. SLOAN 8186-0.125, 0.125 GPF EXPOSED SENSOR OPERATED, BATTERY POWERED, URINAL FLUSH VALVE, 3/4" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP, ADJUSTABLE TAILPIECE, VACUUM FLUSH CONNECTION AND SPUD COUPLING FOR 3/4" TOP SPUD. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.	SLOAN SU-1009
SLOAN G2 8111-1.28 BATTERY Yes 40 SLOAN G2 8111-1.28 BATTERY Yes 40	40 1.28 4" 2" 1" 40 1.28 1.28 4" 2" 1"	WHITE, ELONGATED BOWL, SIPHON JET, 1.1-1.6 GPF VITREOUS CHINA, OLSONITE NO: 95 - WHITE OPEN FRONT SEAT, CHECK HINGE LESS COVER. WADE HEAVY DUTY CARRIER. SLOAN G2 8111-128 EXPOSED 1.28 GPF, BATTERY POWERED, INFRARED SENSOR OPERATED FLUSH VALVE, 1" I.P.S. SCREWDRIVER BAK-CHEK, VANDAL RESISTANT STOP GAP, SPUD COUPLING FOR 1-1/2" TOP SPUD. WHITE, ELONGATED BOWL, SIPHON JET, 1.1-1.6 GPF VITREOUS CHINA, OLSONITE NO: 95 - WHITE OPEN FRONT SEAT, CHECK HINGE LESS COVER. WADE HEAVY DUTY CARRIER. SLOAN G2 8111-128 EXPOSED 1.28 GPF, BATTERY POWERED, INFRARED SENSOR WHITE, ELONGATED BOWL, SIPHON JET, 1.1-1.6 GPF VITREOUS CHINA, OLSONITE NO: 95 - WHITE OPEN FRONT SEAT, CHECK HINGE LESS COVER. WADE HEAVY DUTY CARRIER. SLOAN G2 8111-128 EXPOSED 1.28 GPF, BATTERY POWERED, INFRARED SENSOR OPERATED ELUSH VALVE, 1" LP S. SCREWDRIVER BAK CHEK, VANDAL RESISTANT STOP GAP. SPUD COURLING FOR 1.1/2" TOP SPUD.	SLOAN ST-2459 SLOAN ST-2459
ELKAY LK940GN05T4H MANUAL No 1.5 0 40	120 105 2" 1-1/2" 1/2"	1/2" WALL MOUNT, THREE STATION HAND WASH SINK, #14 GAUGE, TYPE 304 STAINLESS, BUFFED SATIN FINISH, HOLES AT 8" O.C. 8" BOWL DEPTH, CENTER DRAIN CONNECTION. PROVIDE WITH (3) ELKAY LK940GN05T4H FAUCETS WITH 4" WRISTBLADE HANDLES. PROVIDE CHROME PLATED BRASS P-TRAP, PROVIDE LOOSE KEY STOPS AND FLEXIBLE RISERS. PROVIDE LK18B DRAIN AND CHROME PLATED BRASS TAILPIECE. INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS. REFER TO SPECIFICATIONS FOR INSULATION METHODS.	ELKAY EWMA7220C
INTERCEPTOR SCHEDULE		AIR COMPRESSOR SCHEDULE	
	ADD 01	GENERAL: A. BASIS OF DESIGN MODEL NUMBERS ARE FOR REFERENCE ONLY. BID EQUIPMENT TO PROVIDE THE INDICATED PERFORMANCE.	
		NOTES: 1. PROVIDE WITH COMPRESSED AIR DRYER, FILTER AND OIL WATER SEPARATOR FOR A COMPLETE AND OPERATIONAL SYSTEM. LOCATION PUMP DATA UNIT DIMENSIONS (IN) ELECTRICAL DATA BASE	SIS OF DESIGN
INSTALLATION PIPE CONNS (IN) DIMENSIONS (FT-IN) BOTTOM ESTIMATED OF EQUIP DISED HEICHT INITET OUTLET UNIDTLL HIEC	BASIS OF DESIGN NOTES	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	MODEL NOTES
ARRANGEMENTCOLCUCIFRISER HEIGHT (FT-IN)INLETOUTLETLENGTHWIDTHHEIGBELOW GRADE9' - 4"3' - 3"4"4"168"67 3/4"67 3	GHI MANUFACIURER MODEL	AC-1 AREA B MECHANICAL YARD RECIPROCATING 51 175 1 15 78" 28" 55" 120 28" 0 0 480 3 1,000 QUINCY AC-2 AREA MECHANICAL YARD RECIPROCATING 51 175 1 15 78" 28" 55" 120 28" 0 0 480 3 1,000 QUINCY	QT-15 1 QT-15 1
	A <u>SI 01</u>	THERMOSTATIC MIXING VALVE SCHEDULE	
ING MATERIAL SCHEDULE			
MATERIAL OOVED ENDS, GROOVED-END-PIPE COUPLINGS; AND GROOVED JOINTS.	A. BASIS OF DESIGN MODEL NUMBERS ARE FOR REFERENCE ONLY. BID EQUIF NOTES: 1. ASSE 1017 COMPLIANT.	IPMENT TO PROVIDE THE INDICATED PERFORMANCE.	
PE WITH THREADED ENDS; UNCOATED, GRAY-IRON THREADED FITTINGS; AND THREADED JOINTS PE WITH CUT- OR ROLL-GROOVED ENDS; UNCOATED, GROOVED-END FITTINGS FOR STEEL PIPING; GROOVED-			SIS OF DESIGN
PE WITH COT- OR ROLL-GROOVED ENDS, UNCOATED, GROOVED-END FITTINGS FOR STEEL PIPING, GROOVED- JOINTS PE WITH THREADED ENDS; UNCOATED, GRAY-IRON THREADED FITTINGS; AND THREADED JOINTS.	ID QTY MATERIAL	FINISH LVG ENT WATER TEMP (°F) MAX RATED CONN SIZE (IN) MAX MAX MAX TYPE TEMP FLOW FLOW FLOW PRESS RATED PRESS ALLOW ALLOW VOLT PH SETROINT HOT COLD (GPM) (GPM) (GPM) MAX RATED PRESS DROP INLET OUTLET OUTLET PH SPECIFICATION	NOTES
PE WITH CUT- OR ROLL-GROOVED ENDS; UNCOATED, GROOVED-END FITTINGS FOR STEEL PIPING; GROOVED- JOINTS.	TMV-1 AREA A MECHANICAL MEZZANINE 1 LEAD FREE BRASS	ROUGH BRONZEWATER12014040250.354051111/4"2001851201Digital Mixing VALVELeonard ValVe	PNV-125-LF 1
DENDS; UNCOATED, GROOVED-END FITTINGS FOR STEEL PIPING; GROOVED-END-PIPE COUPLINGS FOR 116		DOMESTIC EXPANSION TANK SCHEDULE	
MATERIAL TYPE A); WROUGHT-COPPER, SOLDER-JOINT FITTINGS; AND BRAZED JOINTS.	GENERAL: A. BASIS OF DESIGN MODE	DEL NUMBERS ARE FOR REFERENCE ONLY. BID EQUIPMENT TO PROVIDE THE INDICATED PERFORMANCE.	
TYPE A; WROUGHT-COPPER, SOLDER-JOINT FITTINGS; AND BRAZED JOINTS. ; WROUGHT-COPPER, SOLDER-JOINT FITTINGS; AND BRAZED OR COPPER PRESSURE-SEAL-JOINT FITTINGS;	ID NO.	LOCATION MAX ACCEPT PRESS PRESS UNIT DIMENSIONS (IN) WEIGHT NAME	BASIS OF DESIGN MANUFACTURER MODEL
TYPE B CAST- OR WROUGHT-COPPER, SOLDER-JOINT FITTINGS; AND SOLDERED JOINTS.	(DET) 1 95	SpaceSTEEL - POLYPROPYLENE LININGRED OXIDE PRIMERDOM. WATERFIXED DIAPHRAMINLINE6.40.503.21503612"18"70	AMTROL ST-12C
TYPE B COPPER PRESS-CONNECT FITTINGS; AND PRESS-CONNECT JOINTS. TYPE B CAST- OR WROUGHT COPPER, SOLDER-JOINT FITTINGS; AND SOLDERED JOINTS.	UTILITY SUMMARY	FLOOR DRAIN SCHEDULE	
TYPE B COPPER PRESS-CONNECT FITTINGS; AND PRESS-CONNECT JOINTS. TYPE B CAST- OR WROUGHT-COPPER, SOLDER-JOINT FITTINGS; AND BRAZED JOINTS.	EXISTING NATURAL GAS SERVICE: TOTAL: 5368CFH EXISTING SANITARY SERVICE:		BASIS OF DESIGN MANUFACTURER MODEL
221125 MATERIAL	TOTAL: 16.5DFU NEW 4" SANITARY SERVICE: TOTAL: 76.5DFU	FD-1 FLOOR DRAIN 11 D000 COATED CAST IRON NICKEL BRONZE No 2" 2" 3 SQUARE TOP FLOOR DRAIN WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD WITH NICKEL BRONZE FD-2 FLOOR DRAIN 1 DUCO COATED CAST IRON NICKEL BRONZE No 2" 2" 5" SQUARE TOP FLOOR DRAIN WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD WITH NICKEL BRONZE FD-2 FLOOR DRAIN 1 DUCO COATED CAST IRON NiCKEL BRONZE No 2" 2" 5" SQUARE TOP FLOOR DRAIN WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD WITH NICKEL BRONZE TOP AND SURESEAL TRAP SEAL. PROVIDE WITH JAY R. SMITH FIGURE 3580 FUNNEL.	JAY R. SMITHFIGURE 2010JAY R. SMITHFIGURE 2010
CE-LINE RISERS WITH TRACER WIRE TERMINATED IN AN ACCESSIBLE LOCATION. DED JOINTS. COAT PIPE AND FITTINGS WITH PROTECTIVE COATING FOR STEEL PIPING. OPPER FITTINGS AND BRAZED JOINTS. COAT PIPE AND FITTINGS WITH PROTECTIVE COATING FOR COPPER	EXISTING DOMESTIC WATER SERVICE: TOTAL: 38.6GPM NEW 3" DOMESTIC WATER SERVICE:	FS-1 FLOOR SINK 3 STAINLESS STEEL STAINLESS STEEL 3" 2" 12" SQUARE X 6" DEEP 14 GAUGE TYPE 304 STAINLESS STEEL SANITARY FLOOR SINK WITH LOOSE SET CAST STAINLESS STEEL GRATE, DOME BOTTOM STRAINER, AND NO HUB OUTLET. WITH FLANGE AND GLASHING CLAMP. ^ ^ FS-1 FLOOR SINK 1 STAINLESS STEEL 3" 2" 12" SQUARE X 6" DEEP 14 GAUGE TYPE 304 STAINLESS STEEL SANITARY FLOOR SINK WITH LOOSE SET CAST STAINLESS STEEL GRATE, DOME BOTTOM STRAINER, AND NO HUB OUTLET. WITH FLANGE AND GLASHING CLAMP.	JAY R. SMITH FIGURE 3002 JAY R. SMITH FIGURE 3002
EADED JOINTS. LDED JOINTS.	TOTAL: 77.3GPM		
LDED JOINTS.	NATURAL GAS USAGE SCHEDULE	TD-1 TRENCH DRAIN 6 POLYPROPYLENE 4" INCLUDE FRAME CONNECTORS, GRATE LOCKDOWNS, AND CONSTRUCTION COVERS. PROVIDE WITH MANUFACTURER'S 24" LONG DI-AB-N24 NEUTRAL SECTION WITH CENTER OUTLET. INSTALLATION TO BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND LOCAL BUILDING CODE. TOTAL TRENCH	WATTS DEAD LEVEL D
DED JOINTS. COAT PIPE AND FITTINGS WITH PROTECTIVE COATING FOR STEEL PIPING HORITY, CORRUGATED STAINLESS-STEEL TUBING (CCST) WITH MECHANICAL FITTINGS HAVING SOCKET OR	MARK AREA INP	LENGTH TO BE 26'-0". CLOAD IPUT //BH)	
SYSTEMS SHALL BE BONDED TO THE ELECTRICAL SERVICE GROUNDING ELECTRODE SYSTEM. THE BONDING IG BETWEEN THE POINT OF DELIVERY AND THE FIRST DOWNSTREAM CSST FITTING. THE BONDING JUMPER	B-1MECHANICAL MEZZANINE40B-2MECHANICAL MEZZANINE40IRH-B102AB102 - DIESEL LAB29	400 4	WATTS DEAD LEVEL D
EQUIVALENT. GAS PIPING SYSTEMS THAT CONTAIN ONE OR MORE SEGMENTS OF CSST SHALL BE BONDED IN DNSIBILITY OF THE CONTRACTOR PROVIDING AND INSTALLING CSST TO PROVIDE AND INSTALL THE	IRH-B102B B102 - DIESEL LAB 29 IRH-B102C B102 - DIESEL LAB 29 IRH-B102D B102 - DIESEL LAB 29	29.5 LINEAR SHOWER DRAIN 2 STAINLESS STEEL STAINLESS STEEL 2" 2"	JAY R. SMITH FIGURE 9667
EADED JOINTS.	IRH-B102E B102 - DIESEL LAB 29 IRH-B102F B102 - DIESEL LAB 29 IRH-B112A B112 - COLLISION LAB 44	29.5 29.5 29.5 29.5 29.5 29.5 29.5 41 41 41 41 41 41 41 41 41 41	WATTS DEAD LEVEL D
SS-CONNECT JOINTS	IRH-B112B B112 - COLLISION LAB 44 IRH-B112C B112 - COLLISION LAB 29 IRH-B112D B112 - COLLISION LAB 29	44 INCLUDE FRAME CONNECTORS, GRATE LOCADOWNS, AND CONSTRUCTION COVERS. PROVIDE WITH 29.5 MANUFACTURER'S CATCH BASIN WITH DUCTILE IRON GRATE. INSTALLATION TO BE PERFORMED IN ACCORDANCE 29.5 WITH MANUFACTURER'S INSTRUCTIONS AND LOCAL BUILDING CODE.	
FADED JOINTS	IRH-B112EB112 - COLLISION LAB29IRH-B113AB113 - INNOVATION LAB44IRH-B113BB113 - INNOVATION LAB44UH-A2AMECHANICAL MEZZANINE30	ASI 02 ELECTRIC WATER HEATER SCHEDULE	
DED JOINTS.		30 30 30 30 30 30 30 30 30 30	FOR SIZE.
DED JOINTS. SS-CONNECT JOINTS (NPS 4 AND SMALLER). DED JOINTS.	UH-A2B MECHANICAL MEZZANINE 30 UH-B103 B103 - WELDING 30		SIS OF DESIGN
DED JOINTS. SS-CONNECT JOINTS (NPS 4 AND SMALLER). DED JOINTS. DED JOINTS.	UH-A2BMECHANICAL MEZZANINE34UH-B103B103 - WELDING34UH-B111B111 - DIESEL STORAGE34UH-B125B125 - TOOL ROOM34PAINT BOOTH MAKEUP AIR UNITB112 - COLLISION LAB134	B. INSTALL UNIT ON 4" CONCRETE HOUSEKEEPING PAD. C. PROVIDE WITH MAGNESIUM ANODE. 280 LOCATION WATER SIDE DATA HEATING ELEMENT DATA ELECTRICAL DATA BAS	
DED JOINTS. SS-CONNECT JOINTS (NPS 4 AND SMALLER). DED JOINTS. DED JOINTS. MECHANICAL FITTINGS HAVING SOCKET OR THREADED ENDS TO MATCH ADJACENT PIPING INSTALLED IN ED JOINTS. COAT PIPE AND FITTINGS WITH PROTECTIVE COATING FOR STEEL PIPING	UH-A2BMECHANICAL MEZZANINE33UH-B103B103 - WELDING34UH-B111B111 - DIESEL STORAGE34UH-B125B125 - TOOL ROOM34PAINT BOOTH MAKEUP AIR UNITB112 - COLLISION LAB133PREP BOOTH MAKEUP AIR UNITB112 - COLLISION LAB224(E) AHU-1B212 - MECHANICAL31	30 30 <th< td=""><td>MODEL</td></th<>	MODEL
DED JOINTS. SS-CONNECT JOINTS (NPS 4 AND SMALLER). DED JOINTS. DED JOINTS. MECHANICAL FITTINGS HAVING SOCKET OR THREADED ENDS TO MATCH ADJACENT PIPING INSTALLED IN ED JOINTS. COAT PIPE AND FITTINGS WITH PROTECTIVE COATING FOR STEEL PIPING DED OR WROUGHT-STEEL FITTINGS WITH WELDED JOINTS. COAT UNDERGROUND PIPE AND FITTINGS WITH MATERIAL	UH-A2B MECHANICAL MEZZANINE 33 UH-B103 B103 - WELDING 30 UH-B111 B111 - DIESEL STORAGE 30 UH-B125 B125 - TOOL ROOM 30 PAINT BOOTH MAKEUP AIR UNIT B112 - COLLISION LAB 133 PREP BOOTH MAKEUP AIR UNIT B112 - COLLISION LAB 220 (E) AHU-1 B212 - MECHANICAL 31 TOTAL CONNECTED LOAD GENERAL: PROVIDE GAS AT 14" IN. WC.	30 30 <th< td=""><td>MODEL NOTES DSE-80 1</td></th<>	MODEL NOTES DSE-80 1
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GASKETED JOINTS WITH ASTM F 477, ELASTOMERIC SEALS. T ENDS FOR GASKETED JOINTS WITH ASTM F 477, ELASTOMERIC SEALS. G - 221316	UH-A2B MECHANICAL MEZZANINE 33 UH-B103 B103 - WELDING 30 UH-B111 B111 - DIESEL STORAGE 30 UH-B125 B125 - TOOL ROOM 30 PAINT BOOTH MAKEUP AIR UNIT B112 - COLLISION LAB 133 PREP BOOTH MAKEUP AIR UNIT B112 - COLLISION LAB 220 (E) AHU-1 B212 - MECHANICAL 31 TOTAL CONNECTED LOAD GENERAL: PROVIDE GAS AT 14" IN. WC.	BODIE C. PROVIDE WITH MAGNESIUM ANODE: Mater side data Mater side data Metanog Metanog <t< td=""><td>A RECIRCULATING DHW TEMPERATURE OF OF DESIGN MODEL NOTES</td></t<>	A RECIRCULATING DHW TEMPERATURE OF OF DESIGN MODEL NOTES
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PUMP DATA					UNI	T DIMENSIONS	5 (IN)	RECEIVER	RECEIVER		ELEC	CTRICAL D	ATA			BASIS OF	DESIGN		
	FL OW	FLOW DISCHARGE				TOR				VOL	DIA	FLA	MCA	MOCP	VOLT		WEIGHT		
TYPE	(CFM)	PRESS (PSI)	QTY	HP	LENGTH	WIDTH	HEIGHT	(GAL)	("ø)	(A)	(A)	(A)	(V)	PH	(LBS)	MANUFACTURER	Μ		
ECIPROCATING	51	175	1	15	78"	28"	55"	120	28"	0	0	0	480	3	1,000	QUINCY	(
ECIPROCATING	51	175	1	15	78"	28"	55"	120	28"	0	0	0	480	3	1,000	QUINCY	(

							VALVE D	ΑΤΑ				RICAL		BASIS OF	DESIGN
WATEF	R TEMP (°F)			MAX		RATED	CONN	SIZE (IN)	MAX	MAX					
т	COLD	FLOW (GPM)	MIN FLOW (GPM)	PRESS DROP (FT WC)	RATED FLOW (GPM)	PRESS DROP (FT WC)	INLET	OUTLET	ALLOW WORKING PRESS (PSIG)	ALLOW WORKING TEMP (°F)	VOLT (V)	PH	SPECIFICATION	MANUFACTURER	Μ
0	40	25	0.3	5	40	5	1"	1 1/4"	200	185	120	1	DIGITAL MIXING VALVE	LEONARD VALVE	PN\

T TO PROVIDE TH	E INDICATED PERFORM	IANCE.										
					MAX	ACCEPT	PRESS	PRE	UNIT DIME	ISIONS (IN)		В
FINISH	SYSTEM	ТҮРЕ	ARRANGEMENT	VOLUME (GAL)	ACCEPT FACTOR	ACCEPT VOLUME (GAL)	RELIEF (PSI)	CHARGE PRESS (PSI)	DIA	HEIGHT	WEIGHT (LBS)	MANUFACTUR
D OXIDE PRIMER	DOM. WATER	FIXED DIAPHRAM	INLINE	6.4	0.50	3.2	150	36	12"	18"	70	AMTROL

				FL	.00	RD	RAIN SCHEDULE	
	MATERIAL DE	SCRIPTION	PRIMER	WASTE	VENT	PRIMER		B
QTY	DRAIN BODY	STRAINER	CONNECTION	PIPE SIZE	PIPE SIZE	PIPE SIZE	SPECIFICATION	MANUFACTURE
11	DUCO COATED CAST IRON	NICKEL BRONZE	No	2"	2"		5" SQUARE TOP FLOOR DRAIN WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD WITH NICKEL BRONZE TOP AND SURESEAL TRAP SEAL.	JAY R. SMITH
1	DUCO COATED CAST IRON	NICKEL BRONZE	No	2"	2"		5" SQUARE TOP FLOOR DRAIN WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD WITH NICKEL BRONZE TOP AND SURESEAL TRAP SEAL. PROVIDE WITH JAY R. SMITH FIGURE 3580 FUNNEL.	JAY R. SMITH
3	STAINLESS STEEL	STAINLESS STEEL		3"	2"		12" SQUARE X 6" DEEP 14 GAUGE TYPE 304 STAINLESS STEEL SANITARY FLOOR SINK WITH LOOSE SET CAST STAINLESS STEEL GRATE, DOME BOTTOM STRAINER, AND NO HUB OUTLET, WITH FLANGE AND GLASHING CLAMP.	JAY R. SMITH
1	STAINLESS STEEL	STAINLESS STEEL		4"	2"		12" SQUARE X 6" DEEP 14 GAUGE TYPE 304 STAINLESS STEEL SANITARY FLOOR SINK WITH LOOSE SET CAST STAINLESS STEEL GRATE, DOME BOTTOM STRAINER, AND NO HUB OUTLET. WITH FLANGE AND GLASHING CLAMP.	JAY R. SMITH
6	POLYPROPYLENE			4"			PRE-SLOPED TRENCH DRAIN SYSTEM WITH 6IN WIDE X 48IN LONG DUCTILE IRON FRAME, UV STABILIZED TALC-FILLED POLYPROPYLENE CHANNELS WITH 4IN NO HUB BOTTOM OR END OUTLETS. SYSTEM SHALL BE FRAME ANCHORED, WITH REINFORCED GALVANIZED SLOTTED GRATING TO SUIT DIN CLASS E LOAD RATING. SYSTEM TO INCLUDE FRAME CONNECTORS, GRATE LOCKDOWNS, AND CONSTRUCTION COVERS. PROVIDE WITH MANUFACTURER'S 24" LONG DI-AB-N24 NEUTRAL SECTION WITH CENTER OUTLET. INSTALLATION TO BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND LOCAL BUILDING CODE. TOTAL TRENCH LENGTH TO BE 26'-0".	WATTS
1	POLYPROPYLENE			4"			PRE-SLOPED TRENCH DRAIN SYSTEM WITH 6IN WIDE X 48IN LONG DUCTILE IRON FRAME, UV STABILIZED TALC-FILLED POLYPROPYLENE CHANNELS WITH 4IN NO HUB BOTTOM OR END OUTLETS. SYSTEM SHALL BE FRAME ANCHORED, WITH REINFORCED GALVANIZED SLOTTED GRATING TO SUIT DIN CLASS E LOAD RATING. SYSTEM TO INCLUDE FRAME CONNECTORS, GRATE LOCKDOWNS, AND CONSTRUCTION COVERS. PROVIDE WITH MANUFACTURER'S 12" LONG DI-AB-N12 NEUTRAL SECTION WITH CENTER OUTLET. INSTALLATION TO BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND LOCAL BUILDING CODE. TOTAL TRENCH LENGTH TO BE 21'-0".	WATTS
2	STAINLESS STEEL	STAINLESS STEEL		2"	2"		2IN WIDE X 60IN LONG 18 GAUGE TYPE 304 STAINLESS STEEL BODY WITH SATIN FINISH AND LOOSE SET STAINLESS	JAY R. SMITH
5	POLYPROPYLENE			4"			STEEL SLOTTED GRATE (-SLG) AND 2" NO-HUB BOTTOM OUTLET, GRATE HAS 0.25 x 1.25 STAGGERED SLOTS. PRE-SLOPED TRENCH DRAIN SYSTEM WITH 6IN WIDE X 48IN LONG DUCTILE IRON FRAME, UV STABILIZED TALC-FILLED POLYPROPYLENE CHANNELS WITH 4IN NO HUB BOTTOM OR END OUTLETS. SYSTEM SHALL BE FRAME ANCHORED, WITH REINFORCED GALVANIZED SLOTTED GRATING FOR A CLASS F LOAD RATING. SYSTEM TO INCLUDE FRAME CONNECTORS, GRATE LOCKDOWNS, AND CONSTRUCTION COVERS. PROVIDE WITH MANUFACTURER'S CATCH BASIN WITH DUCTILE IRON GRATE. INSTALLATION TO BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND LOCAL BUILDING CODE.	WATTS

OCATION					WA	TER SIDE D	ATA			HEATIN	G ELEMEN	NT DATA	ELE	CTRICAL E	ATA		BASIS O	F DESIGN
NAME		HEATING	FLOW	(GPM)	STOR	AGE	TE	MPERATU	JRE (°F)							WEIGHT		
	TYPE	CAPACITY (KW)	DESIGN	MIN	RECOVERY (GAL/H)	VOL (GAL)	ENT	LVG	MAX TEMP RISE	QTY	KW (EACH)	SCR	FLA (A)	VOLT (V)	PH	(LBS)	MANUFACTURER	N
ICAL MEZZANINE	STORAGE	30	24	0.5	123	80	40	140	100	2	15	No	36.1	480	3	1,073	AO SMITH	j C

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OCATION			PUMF	P DATA		MOTOR	DATA			ELECTRIC	CAL DATA	l			BASIS OF D	ESIGN
NAME	SERVES SYSTEM	FLUID TYPE	TYPE	FLOW (GPM)	PUMP HEAD (FT WG)	HP	RPM	FLA (A)	MCA (A)	MOCP (A)	v	PH	HZ	WEIGHT (LBS)	MANUFACTURER	М
ICAL MEZZANINE	AREA DHW	WATER	INLINE	3.5	16	0.17	3300	0.7	0.9	15	115	1	60	13	BELL & GOSSETT	PI

				SL	JMF	P Pl	JMP	SCH	IED	UL	E		
NOTES: 1. PROVIDE PUI 2. PROVIDE ZOI	MP WITH UL LISTED 3-W ELLER 'UNICHECK' COM	S ARE FOR REFERENCE /IRE CORD AND PLUG. IBINATION UNION AND C VITCH AND SIMPLEX ALA	VERIFY CHECK V	REQUIR /ALVE.	ED LEN	GTH BEF	ORE ORDER	RING.		IANCE.			
15	LOCATION	TVDE		PUMP	DATA		BASIN DI	MENSIONS	ELECT	RICAL TA	WEIGHT	BASIS O	F DESIGN
ID	NAME	TYPE	FLOW (GPM)	HEAD (FT)	MO QTY	DTOR HP	DEPTH (FT-IN)	DIA ("ø)	VOLT (V)	PH	(LBS)	MANUFACTURER	
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