MPD 2ND DISTRICT HEADQUARTERS CELL BLOCK RENOVATION

3320 Idaho Ave NW Washington, DC 20016

ARCHITECTS/MEP/FP ENGINEERS

ALPHATEC p.c. 1525 18TH STREET N.W.

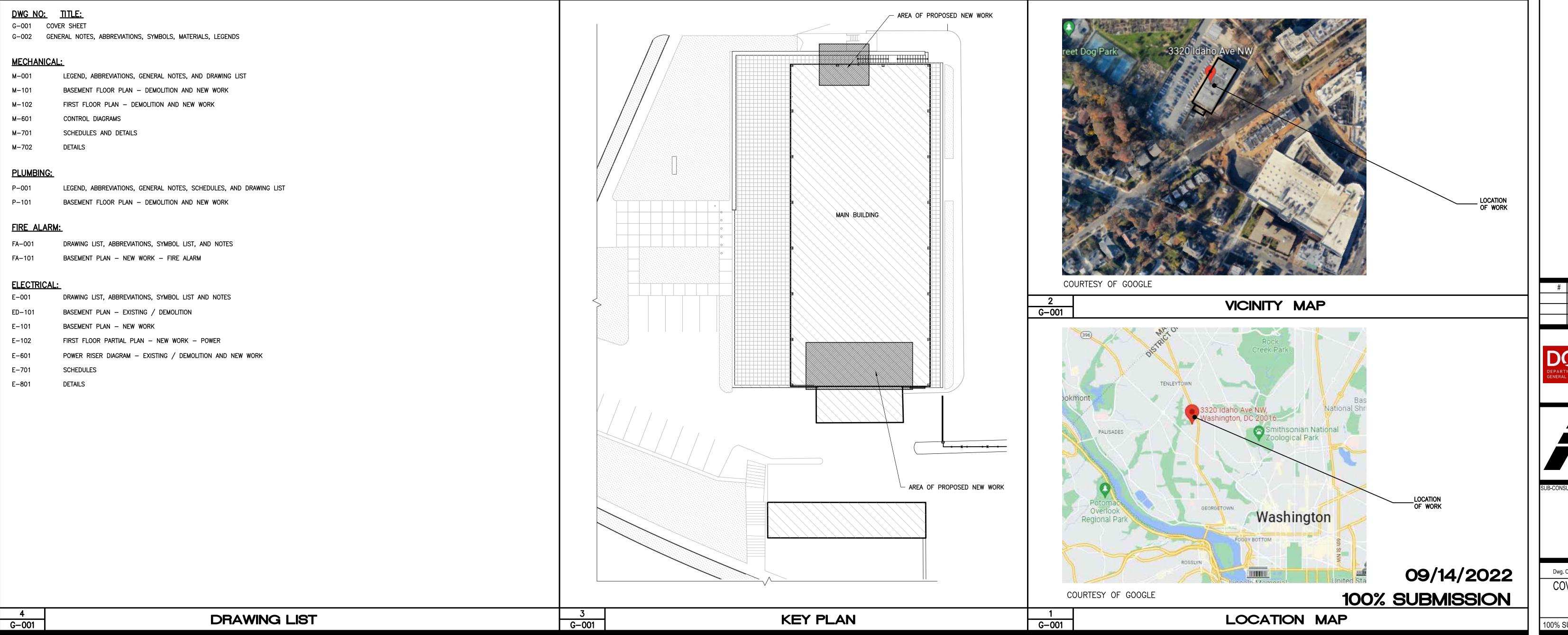
1020 10111 OTALLI 14.44.

WASHINGTON, D.C. 20036

TEL: (202) 797-5000

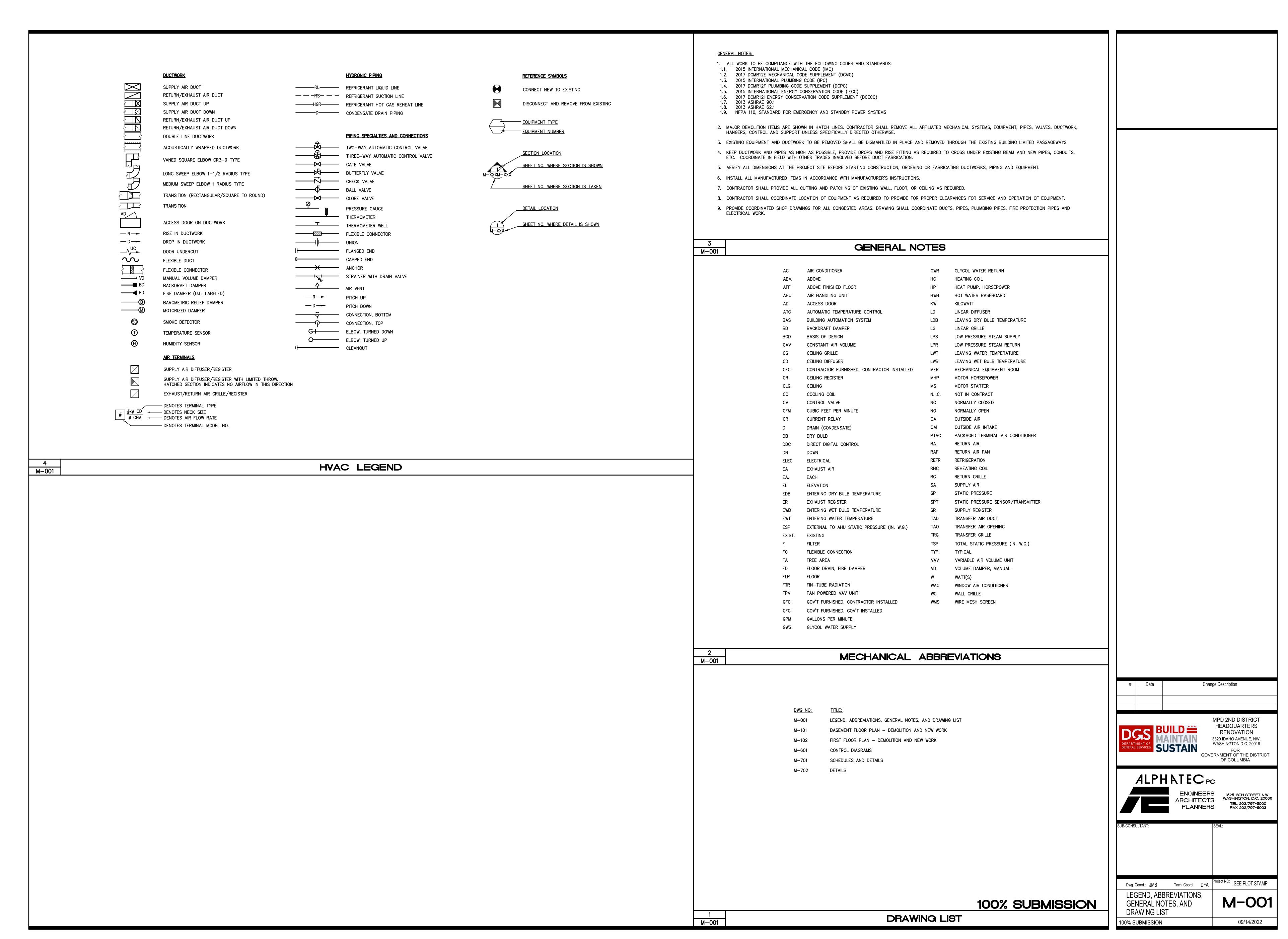
FAX: (202) 797-5003

E-MAIL: consult • alphatecpc.com

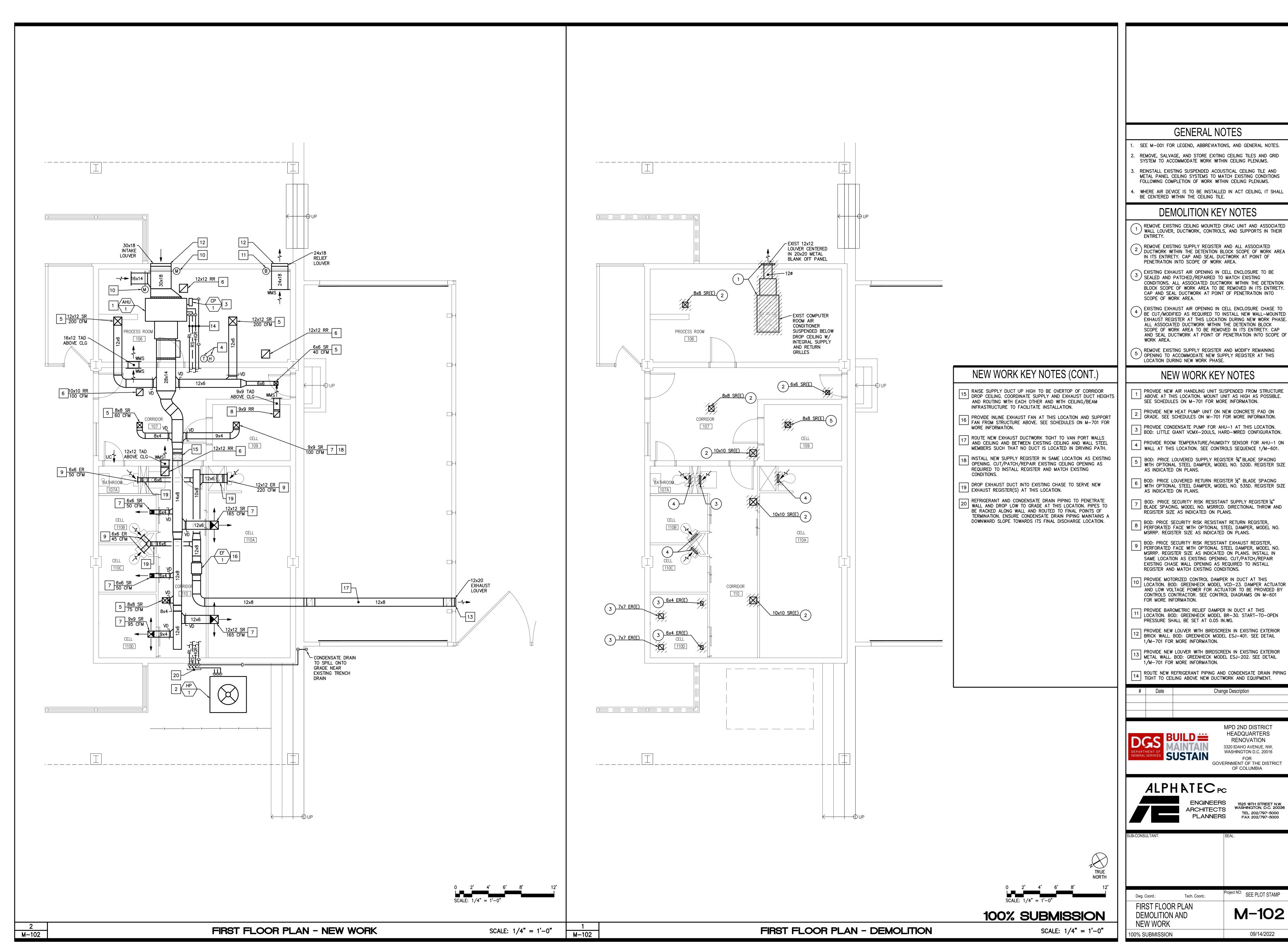


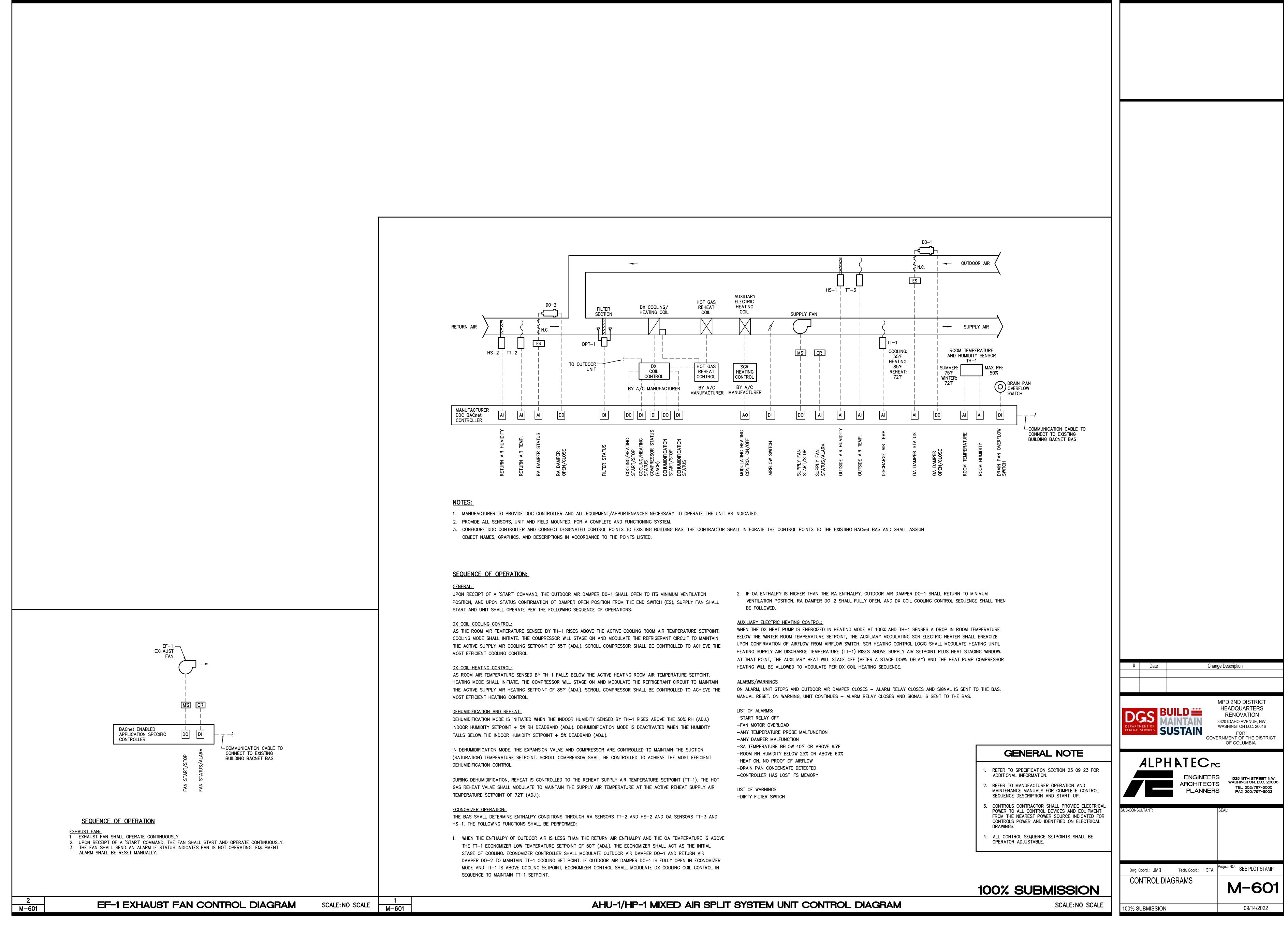
Change Description

AA ADHESIVE APPLIED CG CORNER GUARD EIFS EXTERIOR	OR INSULATION AND OWNER INSTALLED LTG	LIGHTING OH OVERHEAD	RFPD REFER FIRE PROTECTION DRAWINGS TEL	L TELEPHONE 2	017 DISTRICT OF COLUMBIA CONSTRUCTION CODE (MAY 2020)	
AB ANCHOR BOLT CH CEILING HEIGHT FINISH S	SYSTEM GFCI GOVERNMENT FURNISHED-	OPG OPENING	RL RAIN LEADER TEM		-2017 DISTRICT OF COLUMBIA BUILDING CODE	
A/C AIR CONDITION CI CAST IRON	CONTRACTOR INSTALLED m	METER (S) OPING OPENING	RM ROOM THR		-2017 DISTRICT OF COLUMBIA ENERGY CONSERVATION CODE	
ACC ACCESS CONTROL SOINT ACP ACOUSTICAL CEILING PANEL & CENTER LINE ELAS ELASTOM	MERIC GND GROUND MACH	MILLIMETER (S) OPP OPPOSITE MACHINE ORIG ORIGINAL	RMD REFER MECHANICAL DRAWINGS TK RO ROUGH OPENING TP	11.11.5.1	-2017 DISTRICT OF COLUMBIA GREEN CONSTRUCTION CODE -2017 DISTRICT OF COLUMBIA EXISTING BUILDING CODE	
ACST ACOUSTICAL CLG CEILING ELECTRIC	IC (AL) GOVERNMENT MAIN	MAINTENANCE OWSJ OPEN WEB STEEL JOIST	R.P.S. RECESSED PROJECTION SCREEN TRT	T TREATED		
ACT ACOUSTICAL CEILING TILE CLKG CAULKING ELEV ELEVATOR AD AREA DRAIN CLO CLOSET EMT ELECTRIC	ICAL METAL TURING OR CRAPE	MASONRY OZ OUNCE	RROT RAPID RESPONSE OUTREACH TEAM TST RUB RUBBER TW	T TOP OF STEEL TOP OF WALL		
ADA AMERICANS WITH DISABILITIES ACT CMU CONCRETE MASONRY UNIT	GURE GSFT GLAZED STRUCTURAL FACING TILE MAX	MATERIAL MAXIMUM PART. PARTITION	RPD REFER PLUMBING DRAWINGS TYP		APPLICABLE CODES	
ADH ADHESIVE CNR CORNER ENT ENTRANC	CE GWB/GYP BD GYPSUM BOARD MCR	MARKETING COMMUNITY RELATIONS PC PRECAST	RSD REFER STRUCTURAL DRAWINGS		ESCRIPTION:	
ADJ ADJUSTABLE CO CLEAN OUT EQUAL AESS ARCHITECTURAL EXPOSED STRUCTURAL COL COLUMN EQUIPME	MECH ENT HC HANDICAPPED M./P.	DOD DDECAST CONCDETE DI	UC K SC SOLID CORE UL	UNDERCUT UNDERWRITER'S LABORATORIES INC		
STEEL CONC CONCRETE EST ESTIMATE	MI/F/	E/FP MECHANICAL/PLUMBING/ELECTRICAL PER PERIMETER /FIRE PROTECTION	SCH SCHEDULE(D) UM	LITH IZATION MANACEMENT	HE PROJECT IS A LIMITED RENOVATION TO THE METROPOLITAN 2ND DISTRICT	
AFF ABOVE FINISH FLOOR SLAB CONF CONFERENCE EW EACH WA	VAY HDWR HARDWARE MED	PL PLATE	SJT SCORED JOINT UNF	F LINFINISHED	OLICE DEPARTMENT FACILITY. THE PROJECT INCLUDES REPLACEMENT OF EXISTING SENERATOR AND UPGRADE OF MECHANICAL SYSTEM IN THE EXISTING DETENTION	
AGO AGORGANE GONELLOS	IC WATER COOLER HJR HORIZONTAL JOINT	PLAM PLASTIC LAMINATE		N (U.O.N.)UNLESS OTHERWISE NOTED	REA.	
AHU AIR HANDLING UNIT CONT CONTINUOUS EXH EXHAUST AL ALUMINUM COR CORRIDOR (E) EXIST/ E	EXISTING HM HOLLOW METAL MEP	MECHANICAL/ELECTRICAL/PLUMBING PNM PROVIDER NETWORK MA	SF SQUARE FEET (FOOT) UTL GEMENT SHL SHELF	L UTILITY		
ALT ALTERNATE COTR CONTRACTING OFFICER'S TECHNICAL EXP EXPANSION		MANUFACTURED		T VINYL ASBESTOS TILE		
A.P. ACCESS PANEL REPRESENTATIVE EXT EXTERIOR	OR HP HIGH POINT MFR HR HOUR MIN	MINIMUM PR PAIR	SIM SIMILAR VB	VAPOR BARRIER		
APC ACOUSTIC PANEL CEILING CP CENTER POINT APPROX APPROXIMATELY CPT CARPET F FILLER	HT HEIGHT MISC	MISCELLANEOUS PREFAB PREFABRICATED	SL SLIDING VCT SLT SEALANT VEN			
AQT ABRASIVE QUARRY TILE CT CERAMIC TILE FCU FAN COIL	OIL UNIT HVAC HEAT-VENTILATING- MLDG AIR-CONDITIONING MAR	MOLDING PROJ ('N) PROJECT (ED) (ION) MAGNETIC MARKER BOARD	SND SANITARY NAPKIN DISPOSAL VEN			
ARCH. ARCHITECT (URAL) CTR CENTER FD FLOOR D	DRAIN	PSF POUNDS PER SQUARE I				
AUTO AUTOMATIC CTSK COUNTERSINK FDN FOUNDAT AVG AVERAGE CUH CABINET UNIT HEATER RMD FE FIRE EXT	ALINCHISHED ID INSIDE DIAMETER WOD			ST VESTIBULE 7 / V.I.F. VERIFY IN FIELD		
740 74ETAGE SABINET SHIP THE TEXT TIME	TINGUISHER & CABINET INSUL INSULATE (E) (ED) (ION) MR	HOLOTUPE PEOLOTALE	SPF SPRAYED FIREPROOFING VIF SQ / SQFT SQUARE (FEET) VOC	·		
B.B. BINLESTON BOARD	D FLOOR INT INTERIOR MS	MOISTURE RESISTANT PTH PASS THROUGH MARBLE SADDLE PTR PAPER TOWEL RECEPTAGE	SCK SERVICE SINK VT	VINYL TILE		
BO BRIOR GOORGE (5)	JRE FIXTURE & EQUIPMENT INV INVERT MTD	MOUNTED/MOUNTING PVC POLYVINYL CHLORIDE	SS STAINLESS STEEL VWC	C VINYL WALL COVERING		
BD BOARD REGULATORY AFFAIRS FIG FIGURE BET BETWEEN DELIV DELIVERY FIN FINISH	IWS INSULATED WALL SYSTEM MTH	METAL THRESHOLD PVG PAVING	STAG STAGGERED STC SOUND TRANSMISSION CLASS W/	' WITH		
BIT BITUMINOUS DEPT DEPARTMENT FL FLOOR	MTL JAN JANITOR MULL	METAL PWD PLYWOOD MULLION	STD STANDARD WAII			
BL BORROWED LIGHT DET DETAIL FLAM FLAMMAB BLDG BUILDING DF DRINKING FOUNTAIN FLASH FLASHING	JB JUNCTION BOX	QT QUARRY TILE	ST STEEL WC	WATER CLOSET		
BLKD BULKHEAD DH DOUBLE HUNG FLEX FLEXIBLE	E JSI JOISI N	NORTH	STOR STORAGE WD STR STRUCTURAL W	WOOD WINDOW		
B.M. BENCH MARK DIA DIAMETER FLUORES	SCENI	NOT IN CONTRACT R RADIUS (#) NUMBER R RISER	ST. STEEL WDF			
BM BEAM DIAG DIAGONAL FO FINISH O BOT BOTTOM DIFF DIFFUSER FP FILLER P	RANFI KD KNOCKED-DOWN NOM		SUB SUBSTITUTE WID			
BOT BOTTOM	(ED) (ING) KH KNEE HOLE NRC	NOISE REDUCTION COEFFICIENT R.A. ROOF DRAIN	SUP SUPPLY W/C SUSP SUSPENDED WP	O WITHOUT WATERPROOF		
B.S. BRICK SHELF DISP DISPENSER FRPF FIREPROC	DOFING KND KILN DRIED	NOT TO SCALE REB REBAR REC RECESSED	SW SWITCH WS	WEATHERSTRIPPING		
DIST DISTANCE FS FULL SIZ C CHANNEL DIV DIVISION (DIVIDED) FT FOOT/FE	NO KNOCK OUT	OVERALL RECP RECEPTACLE	SWD STORM WATER DRAIN WT	WEIGHT		
CAB CABINET DN DOWN FTG FOOTING	C L LENGTH OD	ON CENTER RED REFER ELECTRICAL DRAY		/F WELDED WIRE FABRIC /M WELDED WIRE MESH		
CB CATCH BASIN DR DOOR FUR FURRING	G LAM LAMINATE (ED) OF	OUTSIDE DIAMETER REF REFER (ENCE) OUTSIDE FACE REFR REFRIGERATOR				
CES CARPET EDGE STRIP DS DOWN SPOUT CF CUBIC FEET (FOOT) DW DISHWASHER GA GAUGE	LAV LAVATORY OFCI		T TREAD T&B TOP AND BOTTOM			
CFCI CONTRACTOR FURNISHED – DWG(S) DRAWING(S) GALVANIZ	LB POUND IZED . LIN LINEAR/LINEAL	CONTRACTOR INSTALLED REQ'D REQUIRED	TB TACKBOARD			
CONTRACTOR INSTALLED GEN GENERAL CEM CLIPIC EEET DEP MINUTE	NL II IIVF I DAD OFF	OFFICE RESILIENT EDGE STRIP	T.BOLT TOGGLE BOLT			
	CTOR INSTALLED LP LOW POINT OFOL	REV REVIS (ED) (ION)	TC TOP OF CURB TD TOP OF DECK			
5	FURNISHED - LT LIGHT	OWNER INSTALLED	TO TOP OF DECK		PPO JECT DESCRIPTION	
G-002	ABBREVIATIONS			G-	PROJECT DESCRIPTION	
		b. ALL PC. PAINTI ALL HAZMATS THESE HAZMAT 4. VISIT TO S 5. COOPERAT TRADES, E PLANS, AN 6. SEE CONT 7. ALL WORK a. CONTT REPRE OR IN b. UPON c. THE L d. ERECT e. CLEAN LEFT 8. DO NOT S FACE, U.O 9. DETAILS AI SOLUTION 10. CONTRACT GOVERNME 11. PROTECTION FAR 52.23 a. REMON ANY A b. REPAIL OF OF OF c. PATCH- CONTT 12. THE CONT 13. ALL UTILIT 14. PRIOR TO THE TRACE 14. PRIOR TO THE TRACE 15. COOPERATE TRACE	CHICOTIRACTOR SHALL ASSIST IN WORKING OUT SPACE CONDITIONS SHOP DETAILS FOR THE PROPER INSTALLATION OF WORK AND FOR CT DOCUMENTS FOR DETAIL WORK ASSOCIATED WITH EACH TRADE. CHALL BE PERFORMED SO THAT INCONVENIENCE AND ADVERSE IMPARABLE OF THE PROPER ENTATIVE AS A STORAGE AREA. CONTRACTOR SHALL CLEAN THE SITE REFER WITH ONGOING OPERATIONS WITHIN THE SITE. OMPLETION OF WORK AND AT THE END OF EACH WORK PERIOD, END ENTATIVE AS A STORAGE AREA. CONTRACTOR SHALL CLEAN THE SITE REFER WITH ONGOING OPERATIONS WITHIN THE SITE. OMPLETION OF WORK AND AT THE END OF EACH WORK PERIOD, END ENTATION OF WORK AND AT THE END OF EACH WORK PERIOD, END ENTATION OF WORK AND AT THE END OF EACH WORK PERIOD, ALL MATERIALS WHICH ARE CLEAN CONDITION. LE THE END OF EACH WORK PERIOD, ALL MATERIALS WHICH ARE CLEAN CONDITION. LE THE DRAWINGS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVEING THE DRAWINGS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVEING AND MANNER OF ACCOMPLISHING WORK. FIELD CONDITIONS DIFFER FROM DRAWINGS FOR AE REVIEW. SHALL PROVIDE ALL INSPECTIONS NECESSARY FOR THE PROPER ENTATED TO STATE OF THE PROPER ENTATED TO PROPER ENTATIONS, EXISTING WORK OR FACILITIES IN SUCH A MANNER AS THAT AS DISTURBED OUTSIDE THE SCOPE OF WORK TO MATCH EXISTING OR REPLACE PORTIONS OF EXISTING WORK ALTERED DURING CONSTRUCTIONS WORK MUST BE IN A CONDITION EQUAL TO OR EXAMODITY FROM CORNER TO CORNER AT WALLS THAT AND CORNER AT WALLS THAT AND CORNER SHALL SCHEDULE WORK DURING REGULAR HOURS, MONDAY TO OUTAGES SHALL BE SCHEDULED 14 DAYS PRIOR TO COMMENCING WE START OF DEMOLITION, THE BUILDER SHALL ERECT AND INSTALL BE OF CONSTRUCTION DEBRIS AND DUST THROUGH PUBLIC CORRIDORS.	ALL THE EXISTING CONDITIONS, EQUIPMENT, FIXTURES, FINISHE ATE WITH OTHER TRADES. WHERE THE WORK WILL BE INSTALES TO MAKE A SATISFACTORY ADJUSTMENT. FURNISH TO OTHER THE PURPOSE OF COORDINATING ADJACENT WORK. ACT TO THE EXISTING MPD 2ND DISTRICT OPERATION DURING FOLS, ETC., IN ADJACENT AREAS, PUBLIC SPACE OR ANY OTHER DAILY AND ENSURE NO CONSTRUCTION DEBRIS DRIFT AWAY. INSURE SITE ACCESS IS FREE AND CLEAR. OCCUR DURING NORMAL WORKING HOURS 6:00AM TO 6:00PHE IN THE END OF THE EN	S, ETC., PRIOR TO BEGINNING HIS WORK. LED IN CLOSE PROXIMITY TO, OR WILL INTERFERE WITH WORK OF OTHER TRADES, AS REQUIRED, ALL NECESSARY TEMPLATES, PATTERNS, SETTING CONSTRUCTION IS MINIMAL. R AREAS NOT DESIGNATED BY THE CONTRACTING OFFICER'S FROM THE SITE (LIMIT OF DISTURBANCE) ONTO/INTO SURROUNDING SPACE M MONDAY THROUGH FRIDAY, UNLESS OTHERWISE NOTED. E WORK. ALL DEBRIS SHALL BE REMOVED AND THE AREA OF WORK SHALL BE WITH WORK OF ALL TRADES. DIMENSIONS ARE SHOWN TO THE FINISHED MENSIONS OR CONDITIONS, CONTRACTOR MAY SUBMIT RFI WITH PROPOSED CODES AND GOVERNING REGULATIONS, WITH NO ADDED COST TO THE IN UNDER THIS CONTRACT TO THEIR ORIGINAL CONDITION. IN ADDITION TO RISTING WORK OR FACILITIES THAT REMAIN. PATCH, REPAIR, AND FINISH RK, AS APPROVED BY THE CONTRACTING OFFICER. AT THE COMPLETION RICCUS AND SHEEN TO MATCH ADJACENT, OR AS DIRECTED BY	# Date Change Description MPD 2ND DISTRICT HEADQUARTERS RENOVATION 320 IDAHO AVENUE, NW, WASHINGTON D.C. 20016 FOR GOVERNMENT OF THE DISTRICT OF COLUMBIA ALPHATEC PC ENGINEERS ARCHITECTS PLANNERS 1525 16TH STREET NW, WASHINGTON D.C. 20036 TEL 2027/97-5003 SUB-CONSULTANT: SEAL:
		17. DO NOT S	L PENETRATIONS. LE DRAWINGS. DIMENSIONS SHALL SUPERCEDE ANY SCALE DISCREPA REMAIN EQUIPMENT IS BASED ON FIELD SURVEY OBSERVATIONS. CO T.		ORY ON THE STORAGE AND REUSE OF EQUIPMENT AS DIRECTED BY MPD	Dwg. Coord.: RB Tech. Coord.: JKJK Project NO: SEE PLOT STAMP GENERAL NOTES,
1						ABBREVIATIONS, SYMBOLS, GOO
					100% SUBMISSION	MATERIALS, LEGENDS









10 M-701															MIXED	AIR SP	LIT SY	STEM (JNIT SC	HEDUL	E													
					EV.	'APORAT	OR ELE	CTRICAL					COOLING				HEATING (H	HEAT PUMP)		AU)	XILIARY HEAT	ING (ELECTR	IC)	H	OT GAS REHE	AT		CO	NDENSE	R ELECTRI	.ICAL	EFFICI	ENCY	<i>i</i>
UNIT NO.	SERVICE	SUPPLY AIRFLOW (CFM)	O.A. AIRFLOW (CFM)	FAN ESP (IN.WG)	VOLT	PH	HZ	MCA N	MOCP	OPER. /EIGHT (LBS)	AMBIENT AIR TEMP. (°F)	ENTERING AIR TEMP. (°F)	LEAVING AIR TEMP. (°F)	REQ. TOTAL CAPACITY (MBH)	REQ. SENS. CAPACITY (MBH)	AMBIENT AIR TEMP. (°F)	ENTERING AIR TEMP. (°F)		REQUIRED CAPACITY (MBH)	AMBIENT AIR TEMP. (°F)	ENTERING AIR TEMP. (°F)	LEAVING AIR TEMP. (°F)	TOTAL CAPACITY (kW)	ENTERING AIR TEMP. (°F)	LEAVING AIR TEMP. (°F)	TOTAL CAPACITY (MBH)	CONDENSER NO.	VOLT	PH	HZ MC	CA MOCP	EER	COP	OPER. WEIGHT (LBS)
AHU-1	PROCESS ROOM/ CELL BLOCK	1,200	410	0.50	480	3	60	28.3	30	1,035	92.0/74.7	80.8/66.7	54.6/54.3	31.0	22.5	21.6	58.0	86.7	25.4	0.0	46.0	85.5	15.0	54.6/54.3	73.8/61.7	25.7	HP-1	480	3	60 9	ı.1 15	15.3	4.6	610

1. PROVIDE WITH WALL MOUNTED TEMPERATURE/HUMIDITY SENSOR.

- 2. PROVIDE AIR HANDLING UNIT UNIT WITH AUXILIARY CONDENSATE PUMP. BOD: LITTLE GIANT VCMX-20ULS, 115V/1PH/60HZ,
- HARD-WIRED CONFIGURATION.
- 3. EQUIPMENT EFFICIENCIES SHALL COMPLY WITH DC ENERGY CODE REQUIREMENTS.
- 4. PROVIDE WITH MANUFACTURER CONTROLLER WITH BACNET INTERFACE FOR CONNECTION TO EXISTING BAS.

1. TEST IN ACCORDANCE WITH SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL.

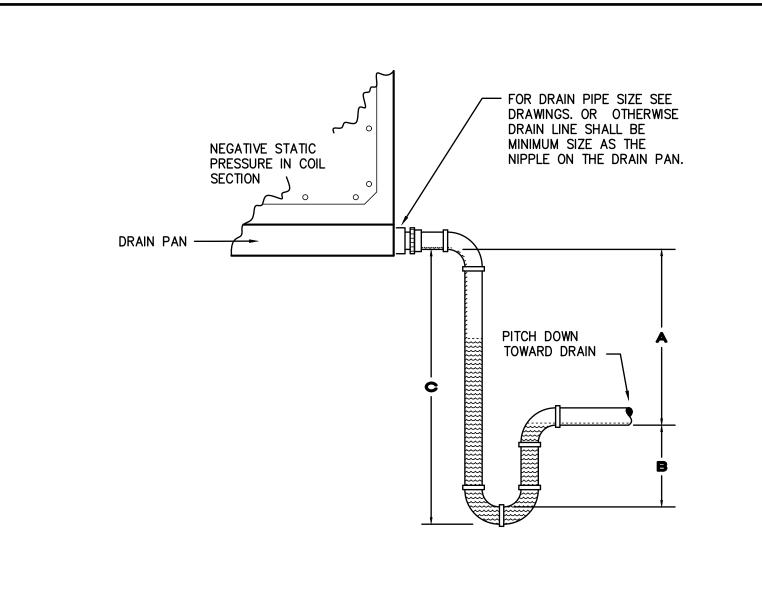
5. PROVIDE MANUFACTURER DISCONNECT SWITCH FOR AHU-1 AND HP-1 6. INSTALL OVERFLOW SWITCH CONFORMING TO UL 508 IN AHU-1 MANUFACTURER PTOVIDED DRAIN PAN PER DCMC 307.2.3.4.

9 M-701			DU	JCTWC	PRK CC	NSTRU	JCTION	I AND	LEAK	AGE	TESTING	
		DUCT PRESS	SURE CLASS			SUP	PLY		RETURN	/OA/	DUCT TEST	
SYSTEM		INCHES OF W	ATER COLUMN		ROUNI	DUCT	RECTANG	JLAR DUCT	EXHAUS	T AIR	PRESSURE:	NOTES
3131Em	SUPPLY DUCT	RETURN DUCT	OUTSIDE AIR DUCT	EXHAUST DUCT	DUCT SEAL CLASS	DUCT LEAK CLASS	DUCT SEAL CLASS	DUCT LEAK CLASS	DUCT SEAL CLASS	DUCT LEAK CLASS	INCH OF WATER COLUMN	NOTES
ALIII 4	2	-	-	-	А	6	А	12	-	-	2.0	1
AHU-1	-	-1	-1	_	_	-	-	-	Α	24	1.0	1
EF-1	-	-	-	-1	-	-	-	-	А	24	1.0	1

8 M-701				F	AN S	CHED	ULE				
LINIT			AIR	L C D			МОТО	OR DATA			REMARKS
UNIT No.	LOCATION	TYPE	FLOW (CFM)	E.S.P. (I.W.G.)	SPEED (RPM)	POWER (HP)	VOLTS	PHASE	Hz	CONTROL METHOD	REMARKS
EF-1	CORRIDOR 110	CENTRIFUGAL DIRECT DRIVE INLINE	360	0.4	1,550	1/10	115	1	60	RUN CONTINUOUSLY	BOD: GREENHECK MODEL SQ-90

- 1. PROVIDE WITH MANUFACTURER DISCONNECT SWITCH. 2. PROVIDE WITH BACKDRAFT DAMPER.
- 3. PROVIDE WITH MANUFACTURER SPEED CONTROLLER.

ALPHATEC POR ENGINEERS ARCHITECTS PLANNERS WASHINGTON, D.C.	3	Calcul	ations l	Jsed to	Deteri	mine Ou	ıtdoor A	k Renov Air Venti phatec	lation Rat	es in Brea	thing Zon	e			
		2017 DC	Mechan	ical Cod	e Sectio	n 403.3 C	utdoor A	irflow Ra	te Procedur	e for Single	Zone Svster	n			
Room Name	Room Number	Occupancy Category	Area A _z (sf/zone)	People Outdoor Air Rate R _p (cfm/ person)	Area Outdoor Air Rate R _a (cfm/sf)	Occupant	Occupant Pz per Code		Equation 4-1 Breathing Zone	Table 403.3.1.1.1.2 Zone Air Distribution Effectiveness E _z	Equation 4-2 Zone Outdoor Air Flow Required V _{oz} =V _{bz} /E _z (cfm)	Design Outdoor Air Flow Provided (cfm)	Exhaust Airflow Rate Re (cfm/sf or cfm/unit)	Exhasut Air Flow Required V _e =R _e A _z or R _e *#units (cfm)	Design Exhaust Air Flow Provided (cfm)
PROCESS ROOM	106	RECEPTION	260	5	0.06	30	8	8	56	1.0	56	137	0.0	0	0
CORRIDOR	107	CORRIDOR	193	0	0.06	0	0	0	12	1.0	12	34	0.0	0	0
CELL	109	CELL	67	5	0.12	25	2	2	19	1.0	19	34	0.0	0	0
CORRIDOR	110	CORRIDOR	140	0	0.06	0	0	0	9	1.0	9	26	0.0	0	0
CELL	110A	CELL W/ PLUMBING	220	5	0.12	25	6	6	57	1.0	57	113	1.0	220	220
CELL	110B	CELL W/ PLUMBING	38	5	0.12	25	1	1	10	1.0	10	17	1.0	38	45
CELL	110C	CELL W/ PLUMBING	38	5	0.12	25	1	1	10	1.0	10	17	1.0	38	45
CELL	110D	CELL	52	5	0.12	25	2	2	17	1.0	17	32	0.0	0	0
BATHROOM	107A	RESTROOM	16	0	0	0	0	0	0	1.0	0	0	50.0	50	50



DRAW THRU FAN ARRANGEMENT

- A = TOTAL NEGATIVE STATIC PRESSURE + 1"

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SCALE: NO SCALE

4 M-701

HANGING ROD

C = B+ A + PIPE DIAMETER + INSULATION

NEGATIVE PRESSURE P-TRAP DETAIL

CEILING MOUNTED INLINE UNIT DETAIL

SHEET METAL DUCT -

AIR FLOW

- MANUFACTURER MOUNTING

SUPPORTS (LOCATION AND

- INLINE AIR-HANDLING UNIT

SCALE: NO SCALE

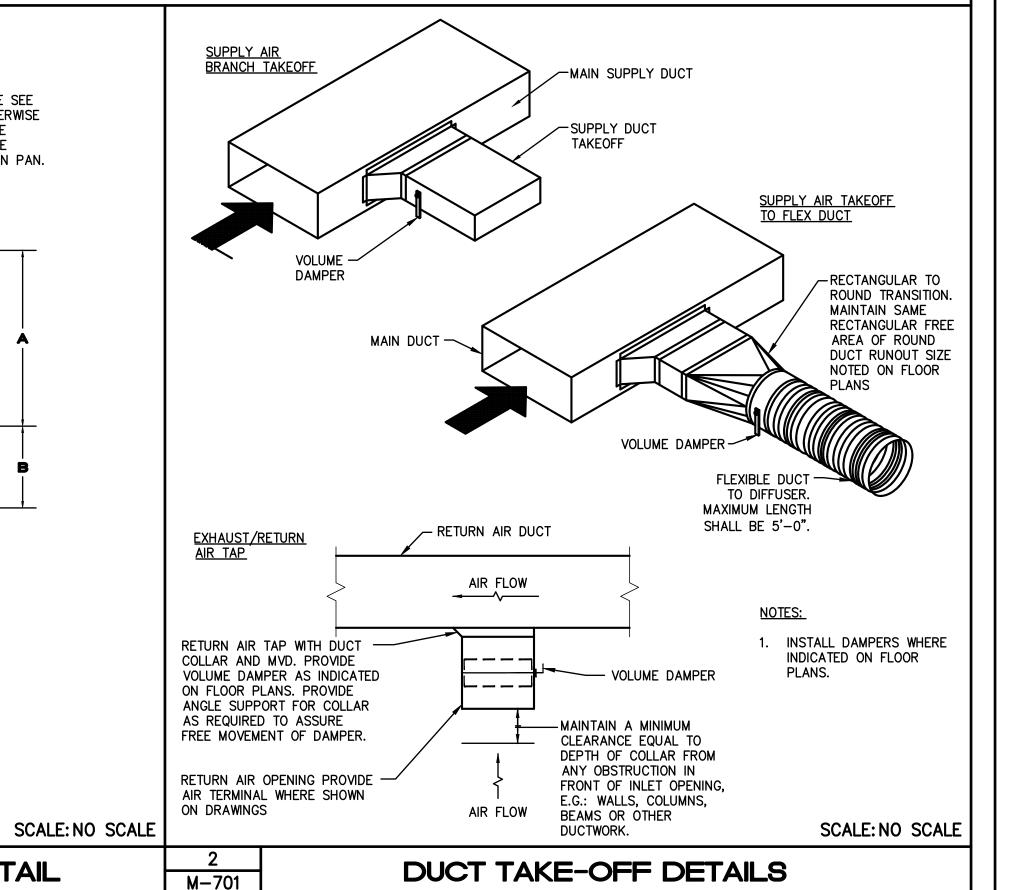
1 M-701

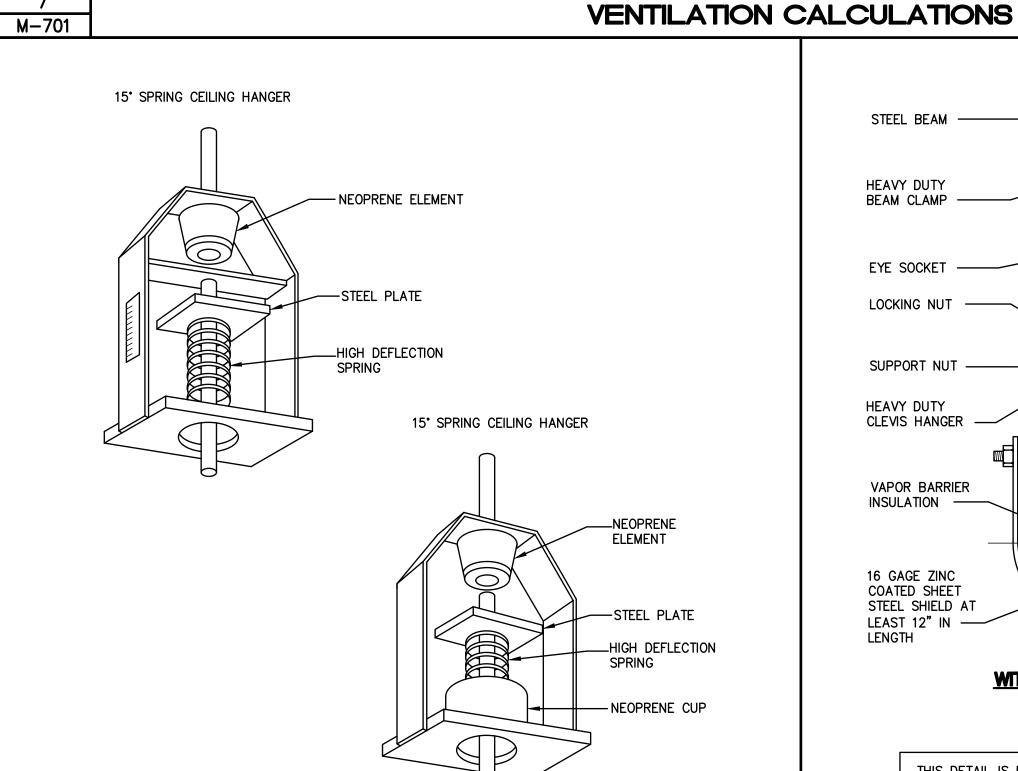
OR FAN

_ FLEXIBLE DUCT

CONNECTOR (TYP.)

CONFIGURATION MAY VARY)





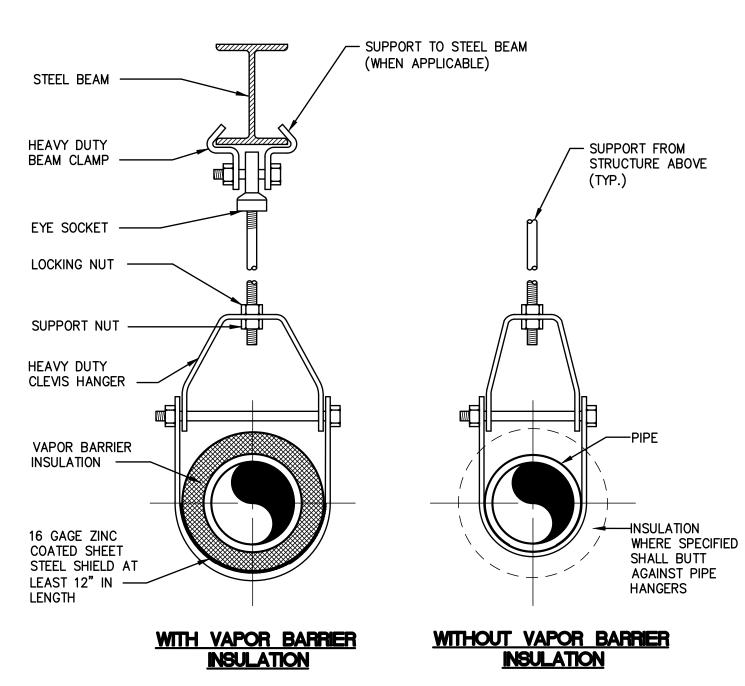
VIBRATION ISOLATION DETAILS

6 M-701

-ROD (TYPICAL)

SCALE: NO SCALE

5 M-701



THIS DETAIL IS PROVIDED IN ORDER TO SHOW DESIGN INTENT AND PREFERRED TYPE OF SUPPORTS IN SPECIFIC AREAS OF THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE

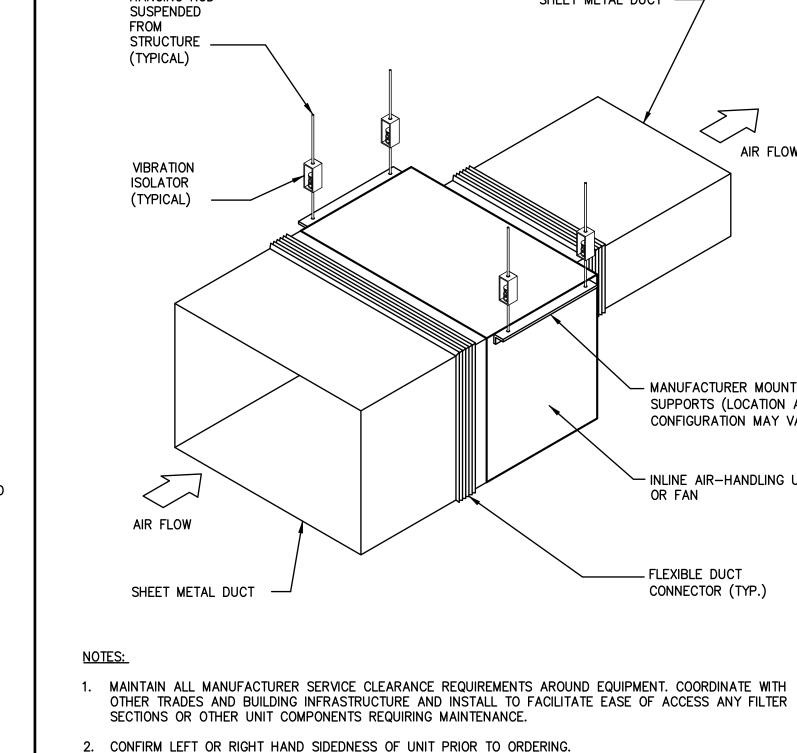
TO PROVIDE ADEQUATE TYPE AND QUANTITY OF SUPPORTS AS NEEDED TO SATISFY THE

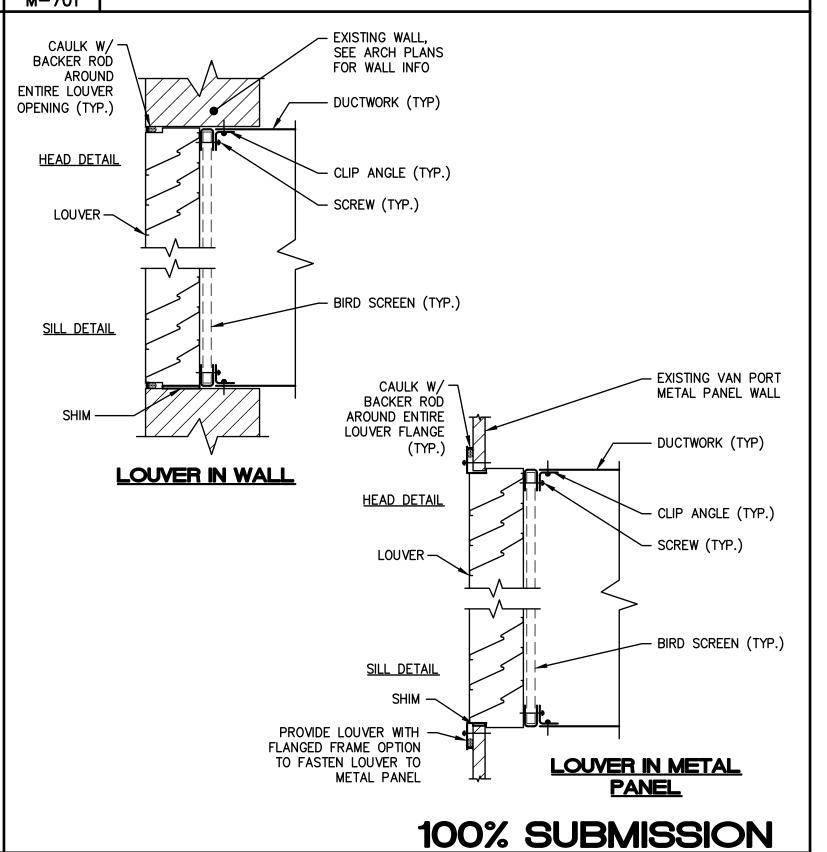
PIPE SUPPORT DETAILS

STRUCTURAL INTEGRITY AND SAFETY OF SUPPORTED SYSTEM.

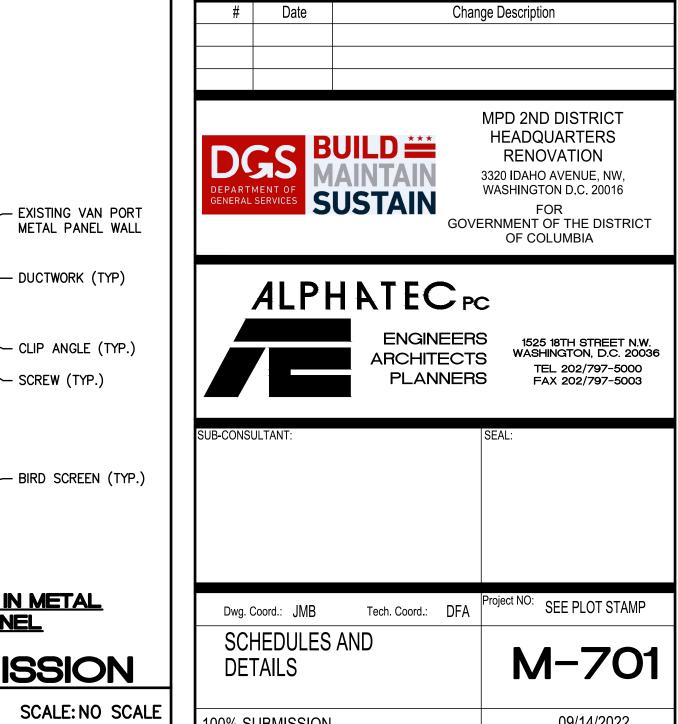
190

410 TOTAL: 346 360



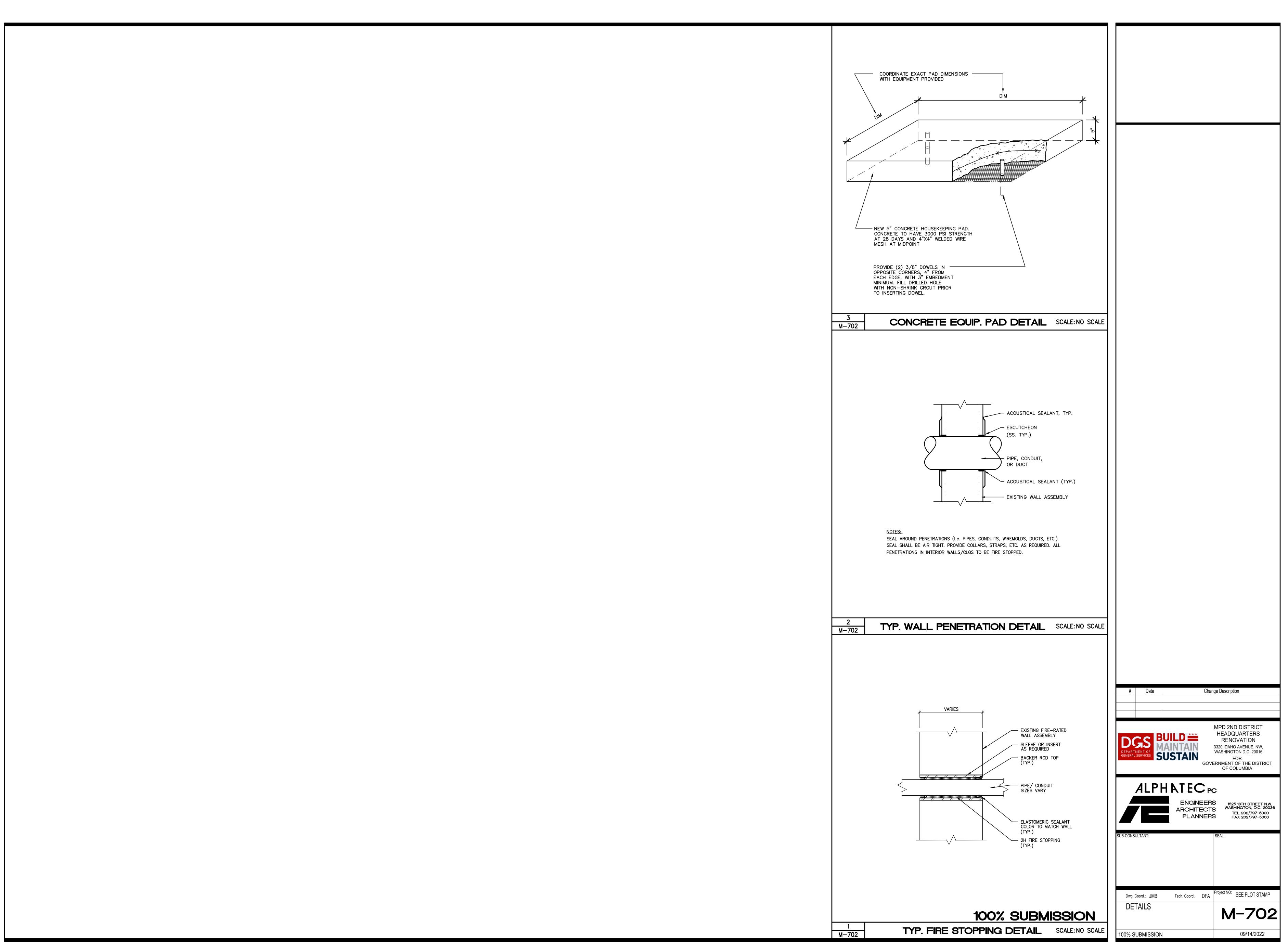


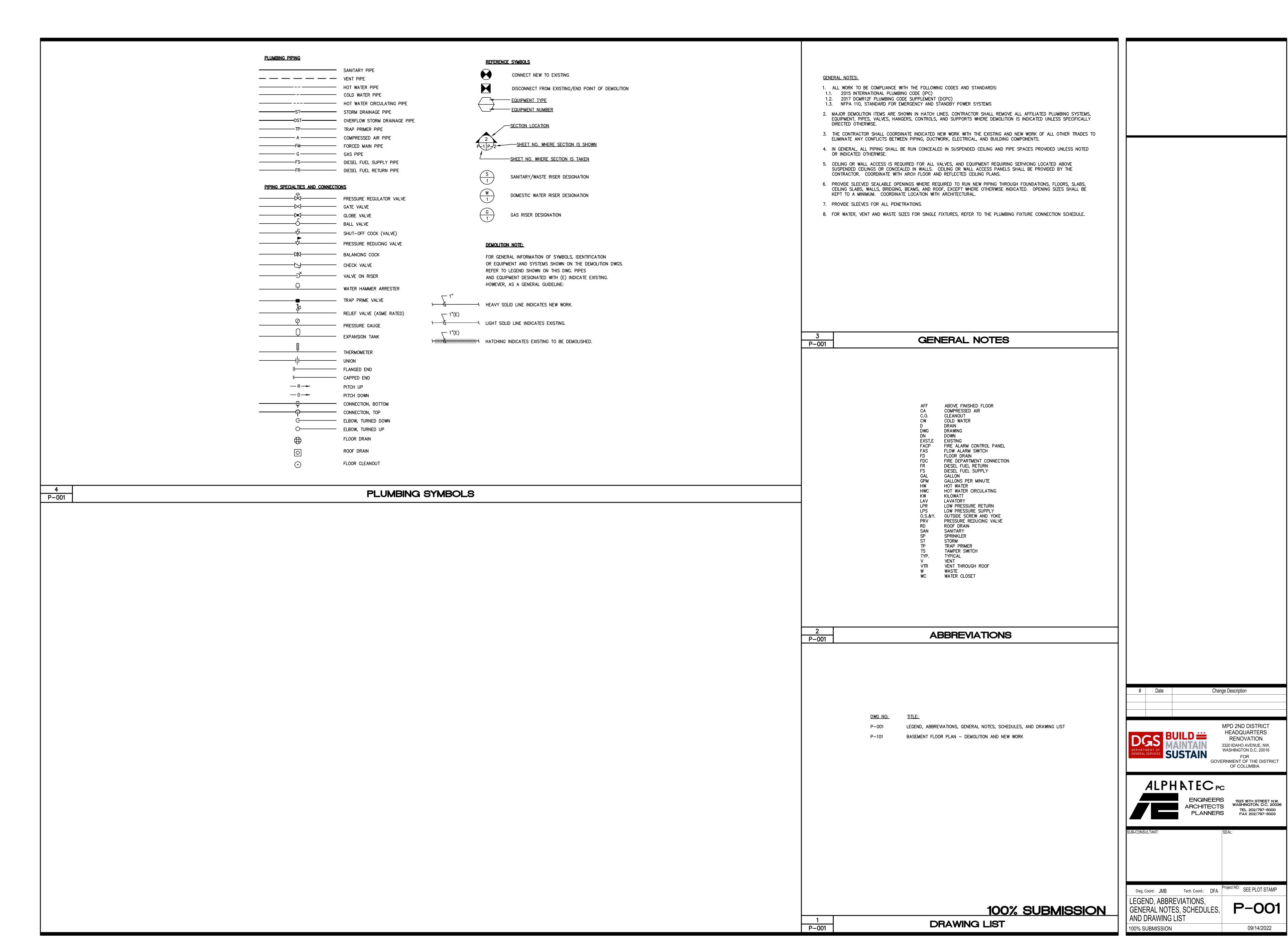
EXTERIOR LOUVER DETAIL



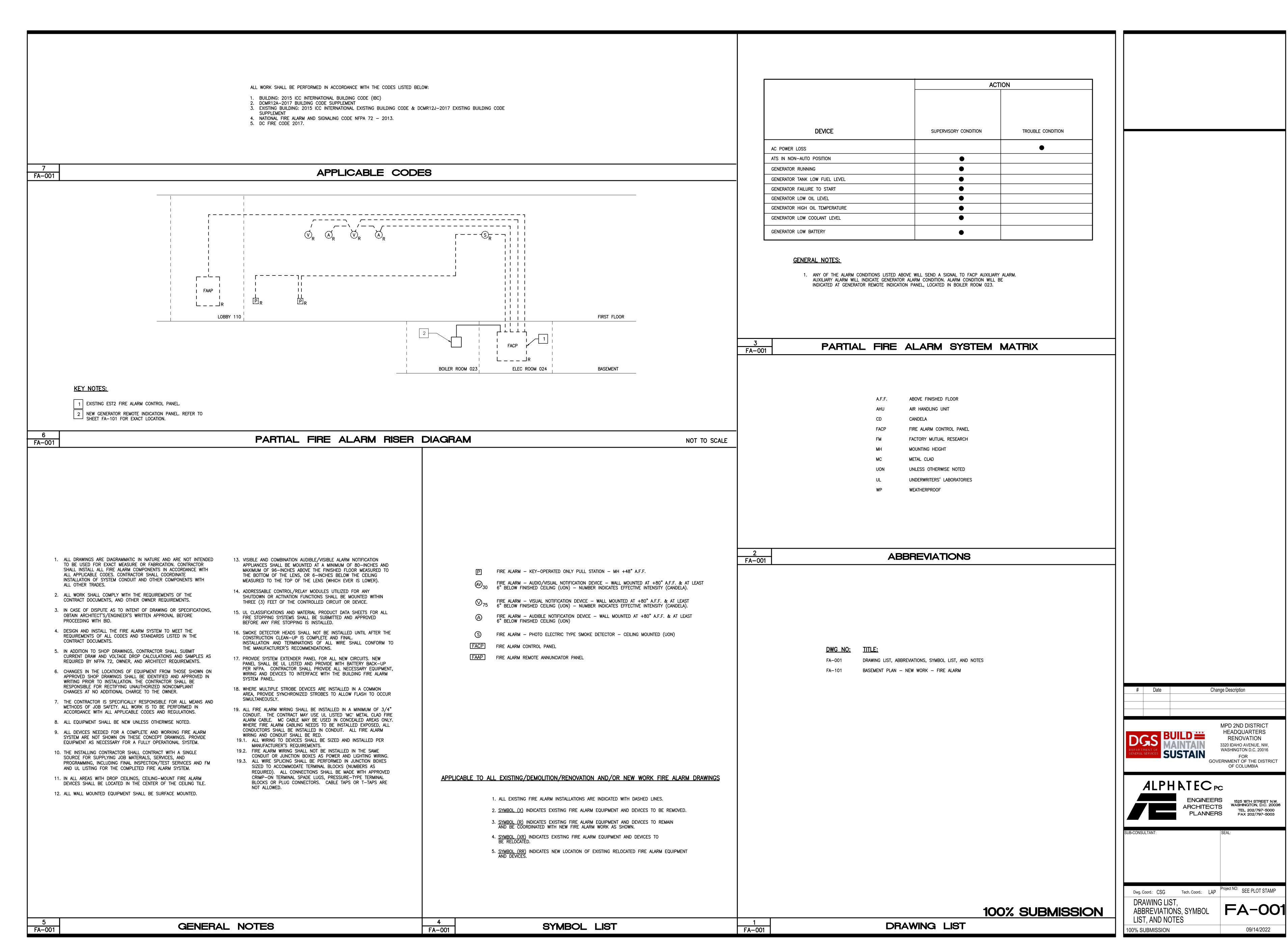
09/14/2022

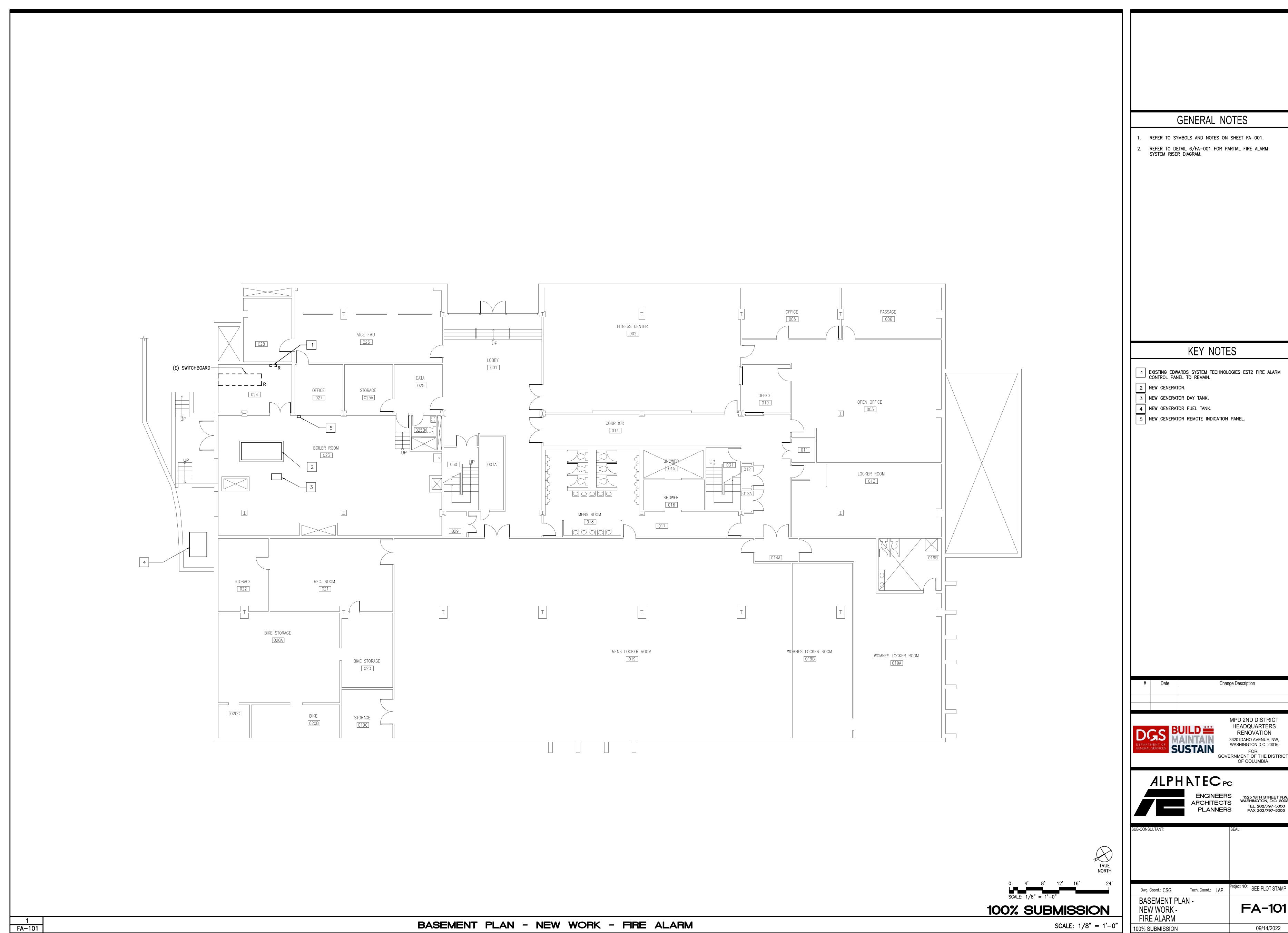
100% SUBMISSION

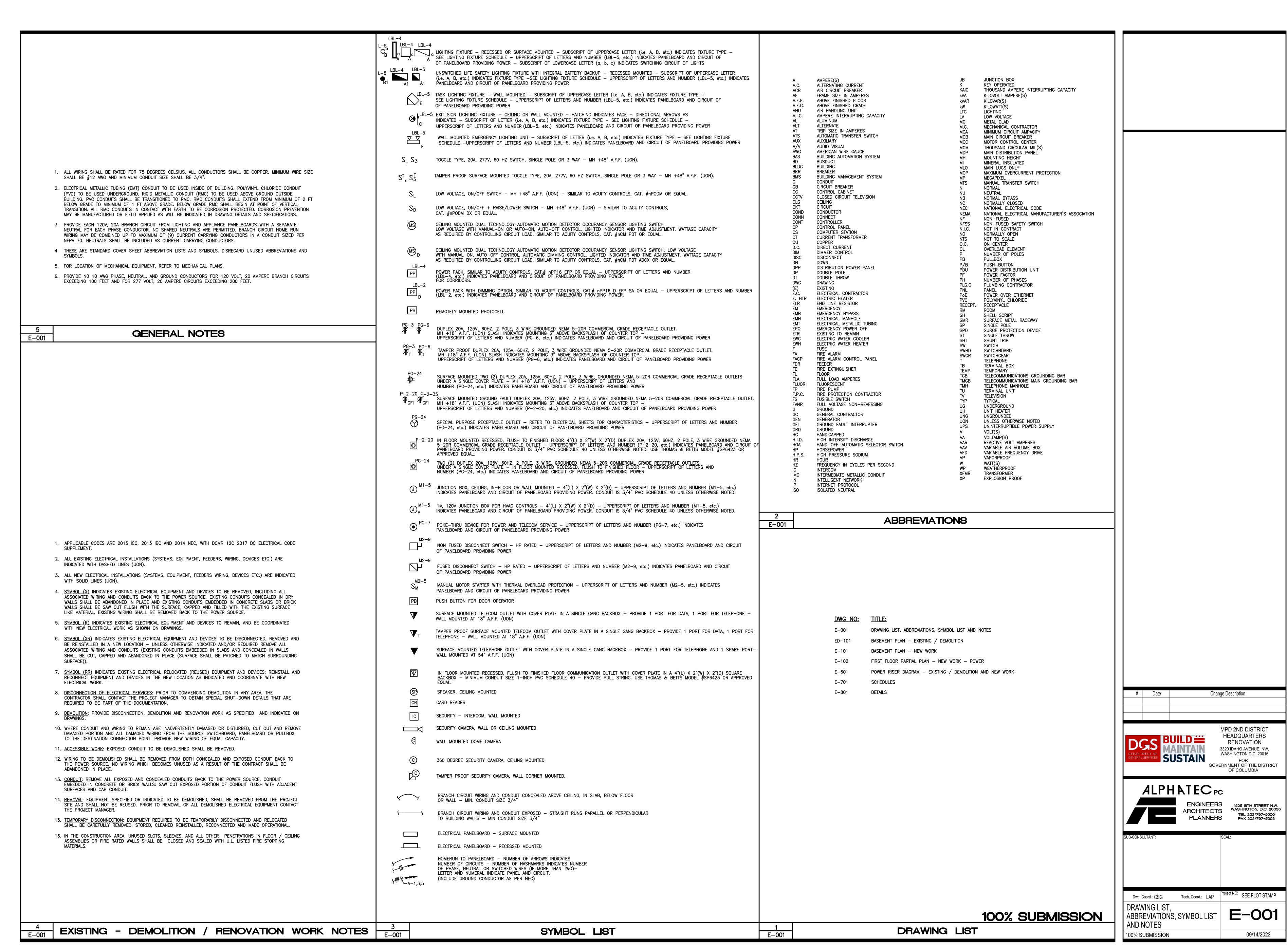


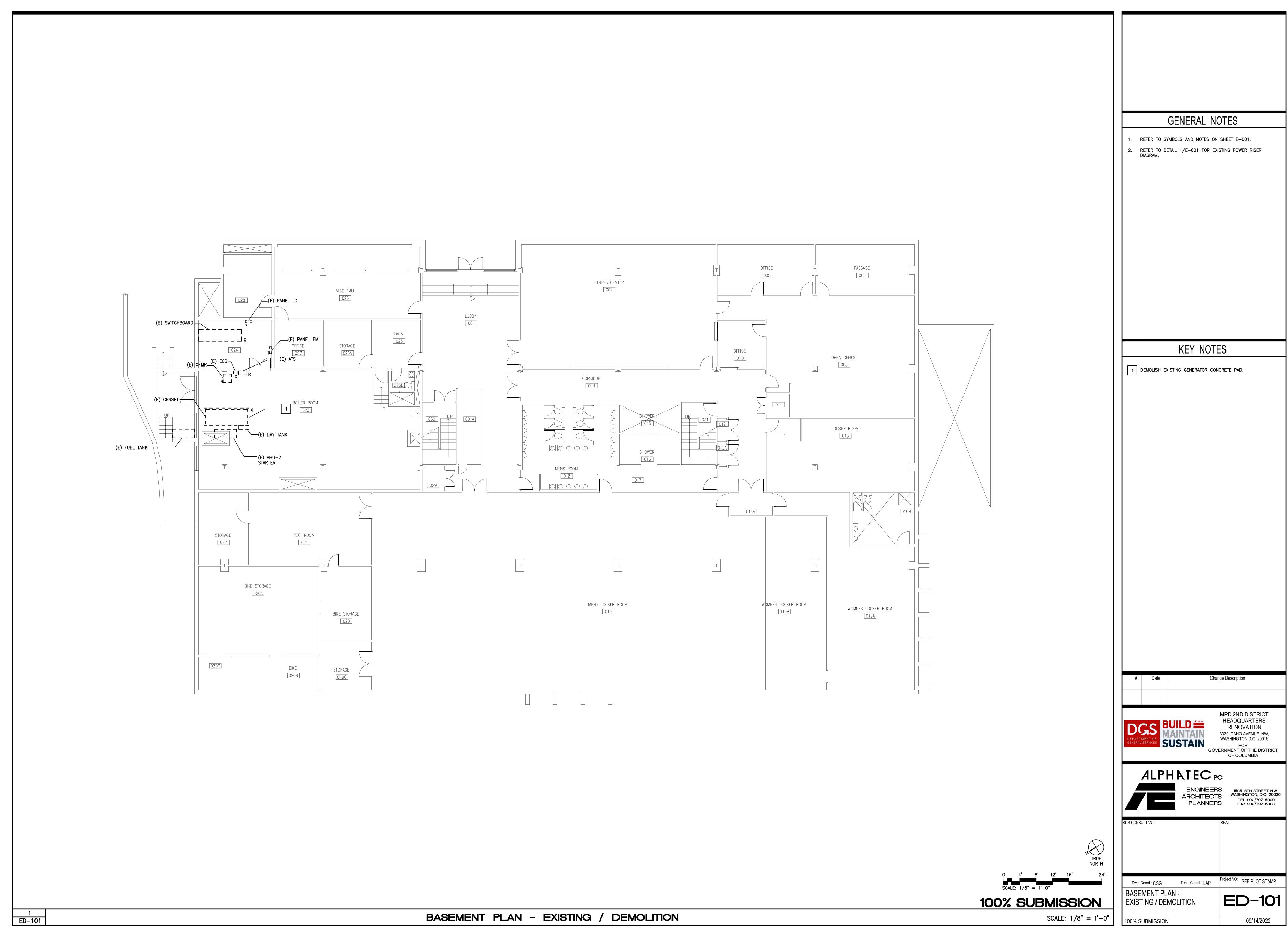


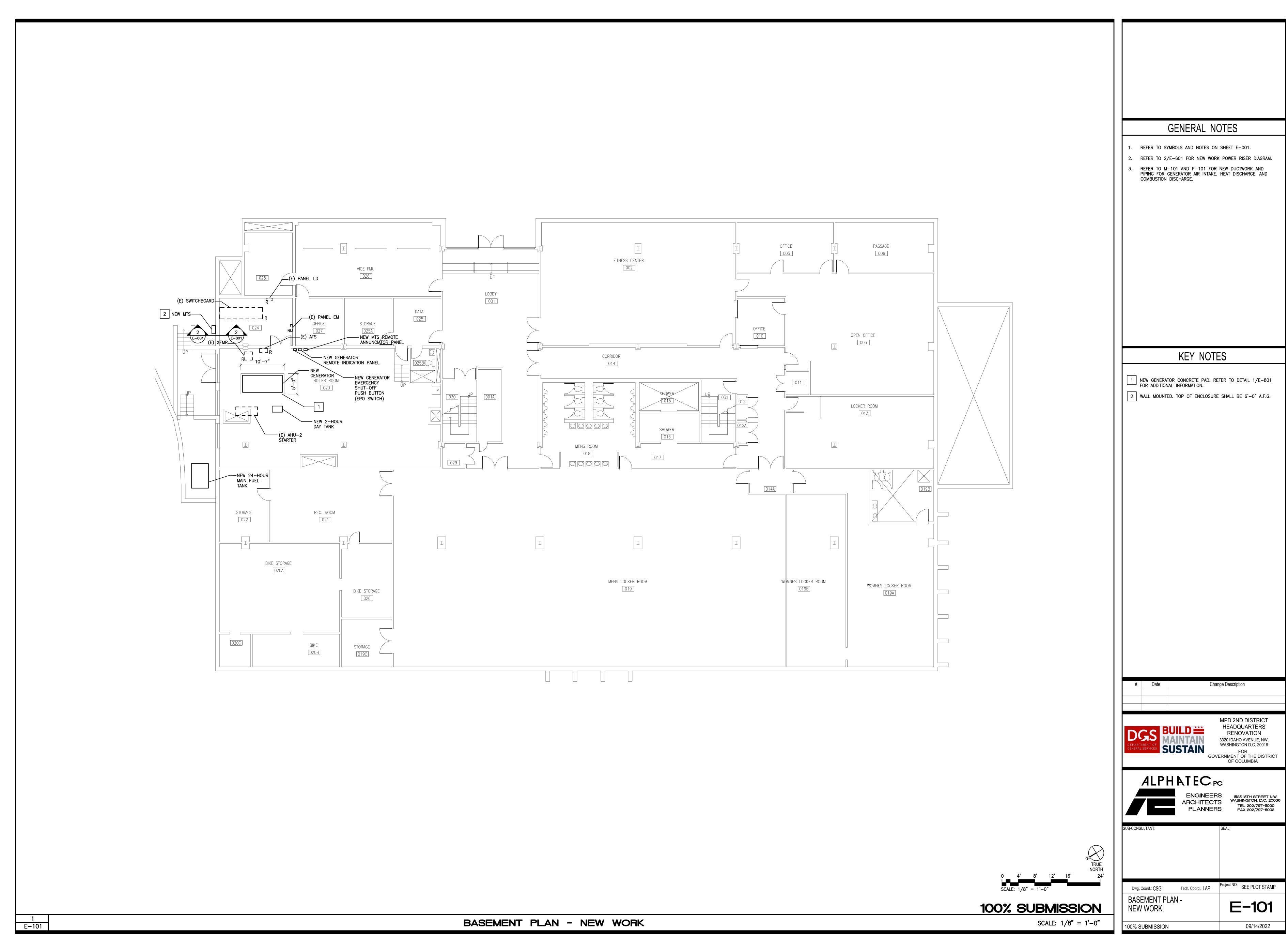


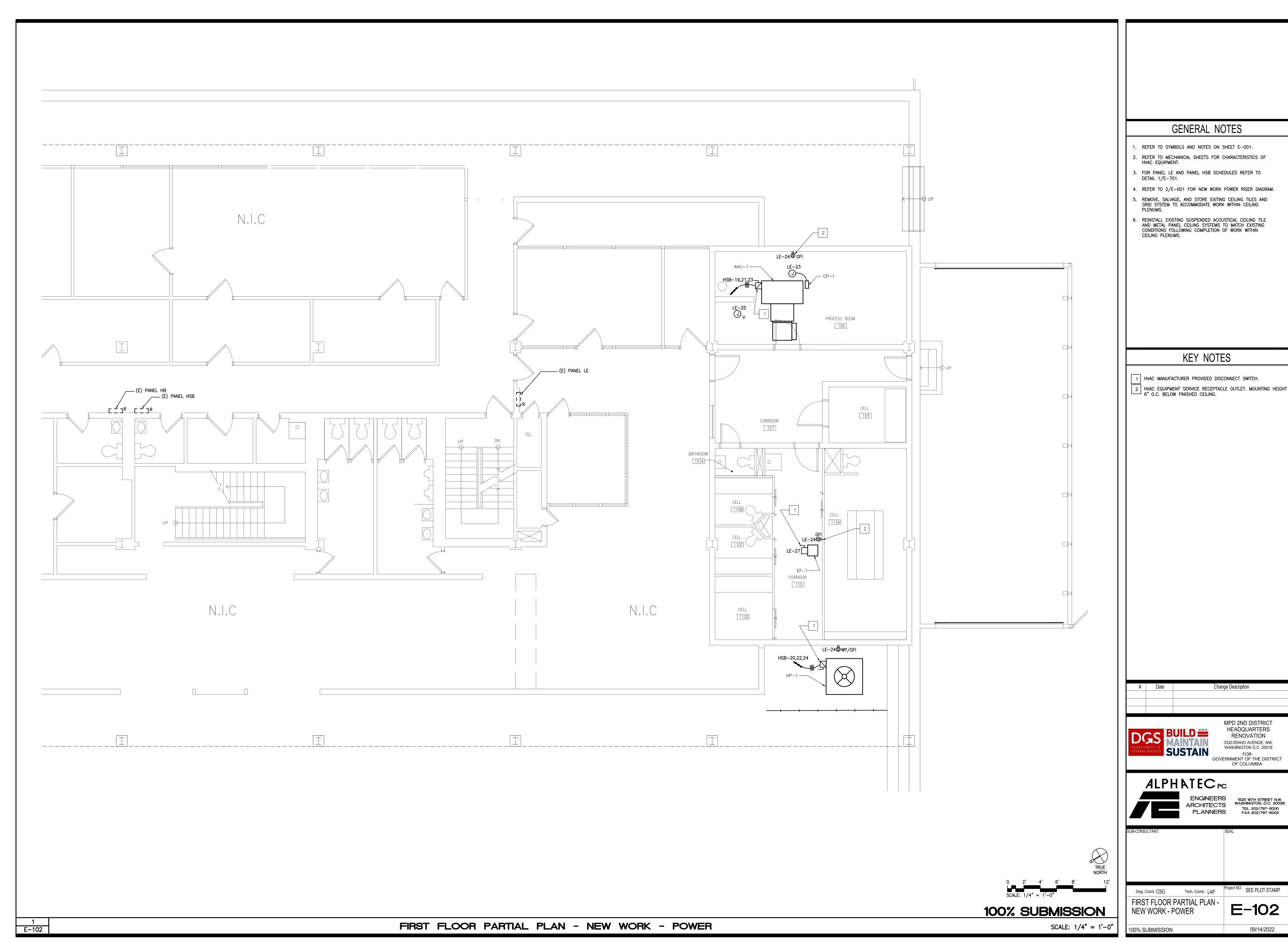


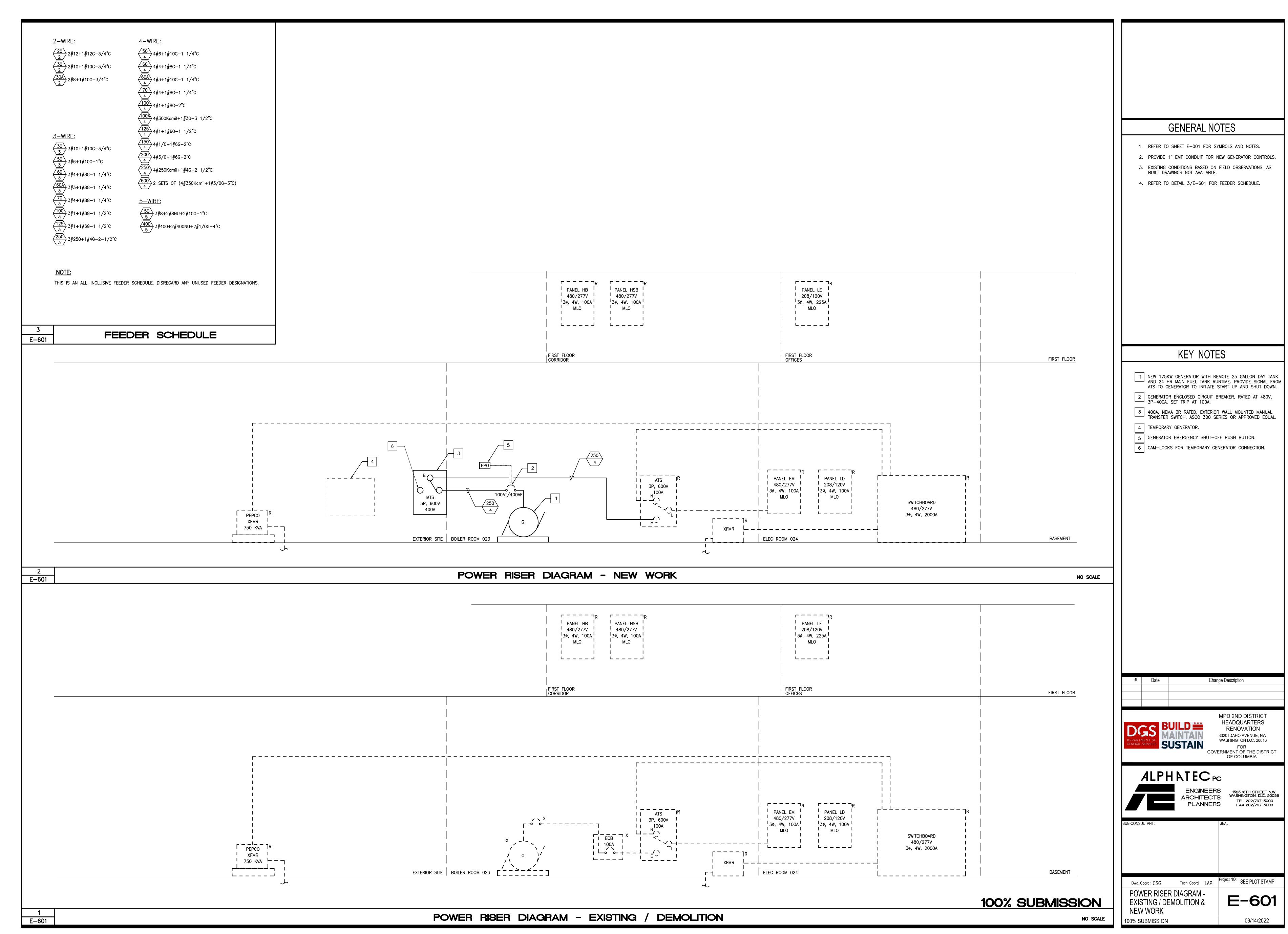












(E)	PANEL LE						LOCA	TION:	ROOM	l 101		MOU	NTING:	RECE	SSED		СВ Т	YPE:	BOLT-ON	AIC F	RATING:	-	
RATI	NG: 208 / 120V,3PH,4W MAIN	NS: 22	5 A	MANU	JFACTI	URER:	EAT	ON	MCB:	MLO	Α	FE NEU	EDER JTRAL:	100%	BRA NEU	NCH ΓRAL:	NEU	JTRAL	& LINE WIRES SH BRANCH CIR			ZE PE	ΞR
REM	ARKS: (*) INDICATES NEW CIRCUIT E	BREAKE	R																				
JSE	LOAD DESCRIPTION / AREA SERVE	ED POLI	E TRIP	GND WIRE	LINE WIRE		LOAD kVA	CKT #	ØA	kVA ØB	ØС	CKT #		CON- DUIT			TRIP	POLE	LOAD DESCRIP	TION / AI	REA SEF	VED	US
-	SALLY PORT ROLL UP DOOR	1	20	#12	#12	3/4"	1.2	1	1.2			2			-	-	20	1	BOSS			\neg	Γ
-	LTG INTERVIEW ROOM	1	20	-	-	-		3		0		4		-	-	-	20	1	AC UNIT				Γ
_	REC. CORRIDOR AND OUTSIDE	1	20	-	-	-		5			0	6		=	Ξ	-	20	1	LIVESCAN CAM	ERA			
_	REC. WATER COOLER	1	20	_	-	-		7	0			8		-	-	-	20	1	REC. AND FLOC	R REC.	RM 114A	, 1141	Γ
_	REC. RM 118, 115	1	20	-	-	-		9		0		10		-	-	-	20	1	FLOOR REC. 11	5			Γ
-	FLOOR REC. RM 115	1	20	-	-	-		11			0	12		-	-	-	20	1	FLOOR REC. 11	5			Γ
-	LTG LOBBY	1	20	-	-	_		13	0			14		-	-	ı	20	1	REC. AND FLOC	R RM 10)3		Γ
-	LTG LOBBY	1	20		-	-		15		0		16			-	-	20	1	REC. CORRIDOR	₹			Γ
	LTG, REC. ROOM 123, 127	1	20	-	-	-		17			0	18		-	-	-	20	1	REC. RM 103, 10)4			Γ
-	LTG LOBBY	1	20	_	-	-		19	0			20		_	_	_	20	1	SPARE				Γ
-	LTG LOBBY	1	20	1-1	-	-		21		0		22		-	-	1	20	1	FRIDGE ROOM	101			
	CP-1	1	20	#12	#12	3/4"	0.1	23			0.64	24	0.54	3/4"	#12	#12	20	1	HVAC, REC. DE	TENTION	AREA		Γ
-	HVAC CONTROLS	1	20	#12	#12	3/4"	0.5	25	0.5			26		-	-	1	20	1	DATA CELL BLO	CK			Γ
-	EF-1	1	20	#12	#12	3/4"	0.4	27		0.4		28		_	ī	ī	20	1	REC. ROOM 115				
-	BATTERY CHARGER	1	20	-		-		29			0	30		-	-	-	20	1	SPARE				
-	BATTERY CHARGER	1	20	-	-	-		31	0			32		-	-	-	20	1	COMPUTER				
	TOTAL CONNEC	CTED LO	AD PER	PHAS	E				1.7	0.4	0.64			то	TAL				2.74	kVA	8	AMPS	

1 E-701

(E)	PANEL HSB							LOCA	TION:	FIRST CORR		₹	MOU	INTING:	RECE	SSED		СВ Т	ΓΥΡΕ:	BOLT-ON	AIC RATIN	G: -	
RATIN	NG: 480 / 277V,3PH,4W N	MAINS:	100	A	MANU	JFACT	JRER:	EAT	ON	MCB:	MLO	Α	FE NE	EEDER UTRAL:	100%	BRA NEUT		NE	JTRAL	& LINE WIRES S BRANCH CIF		E SIZE P	ΞR
REM	ARKS: (*) INDICATES NEW CIRCU	UIT BREA	AKER																				
JSE	LOAD DESCRIPTION / AREA SE	RVED	POLE	TRIP	GND WIRE	LINE WIRE		LOAD kVA	CKT #	ØA	kVA ØB	ØC	CKT #	LOAD kVA		LINE WIRE		TRIP	POLE	LOAD DESCRIF	PTION / AREA S	SERVED	USE
-	SPARE	3	3	20	-		-		1	0			2		-	-	-	70	3	XFMRLSM			_
-	-	_		-	-	-	-		3		0		4		-	-	-		11	-			
-	LTG BASEMENT WEST	1	1	20	-	-	-		5 7	0		0	6 8		-	-	-	20	1	LTG 2ND FLOO	R S		:
	LTG BASEMENT EAST	1	i	20	_	_	_		9		0		10		-	-	_	20	1	SPARE			_
:	LTG 2ND FLOOR NW AND NE	1	1	20	-	-	•		11			0	12		-	-	-	20	1	LTG 2ND FLOO	RS		:
	LTG 1ST FLOOR NE	1	1	20	-	-	-		13	0			14		-	-	-	20	1	LTG 1ST FLOOF	RSE		-
-	CELL BLOCK, VANPORT	1	1	20	-	-	-		15		0	_	16		-	-	-	20	1	SPARE			-
1.= 1	LTG 1ST FLOOR NW	1	<u> </u>	20 (*)	- 440	- 440	- 0/4"	7.0	17	40.4		0	18	0.5	- 2/4"	- 440	- 440	20	1	LTG 2ND FLOO	K NE		-
-	AHU-1 -	3	-	30 (*)	#10	#10 #10	3/4"	7.9 7.9	19 21	10.4	10.4		20 22	2.5	3/4"	#12 #12	#12	15 (*) -	3	HP-1			-
-	-	+	-			#10	-	7.9	23		10.4	10.4	24	2.5	-	#12		_	_	-			_
-	SPARE	1	1	20	-	-	-		25	0			26		-	-	-	20	1	SPARE			-
-	SPARE	1	1	20	-	-	-		27		0		28		-	-	-	20	1	SPARE			-
	TOTAL CON	NECTED	LOA	D PER	PHASE	=				10.4	10.4	10.4			TO	TAL				31.20	kVA 3	8 AMPS	

		SENERAL NOTES
	2. NEW CIRCUIT BRI CIRCUIT BREAKER	E-001 FOR SYMBOLS AND NOTES. EAKERS SHALL MATCH WITH THE EXISTING RS IN RESPECT TO MODEL NUMBER, TYPE, IN THE PANELBOARDS WHERE INSTALLED.
	COMPUTER GENE	ON OF WORK, PROVIDED UPDATED, RATED DIRECTORY FOR ALL AFFECTED BY TING PANELBOARDS.
		KEY NOTES
	# Date	Change Description
	# Date	Change Description
	DCC BU	MPD 2ND DISTRICT HEADQUARTERS RENOVATION
	DCC BU	MPD 2ND DISTRICT HEADQUARTERS RENOVATION 3320 IDNHO AVENUE, NW,
	DGS BL MA	MPD 2ND DISTRICT HEADQUARTERS RENOVATION 3320 IDAHO AVENUE, NW, WASHINGTON D.C. 20016 FOR GOVERNMENT OF THE DISTRICT
	DGS BL MA	MPD 2ND DISTRICT HEADQUARTERS RENOVATION 3320 IDAHO AVENUE, NW, WASHINGTON D.C. 20016 FOR GOVERNMENT OF THE DISTRICT OF COLUMBIA
	DGS BL MA	MPD 2ND DISTRICT HEADQUARTERS RENOVATION 3320 IDAHO AVENUE, NW, WASHINGTON D.C. 20016 FOR GOVERNMENT OF THE DISTRICT OF COLUMBIA ATEC PC ENGINEERS ARCHITECTS 1525 18TH STREET N.W. WASHINGTON, D.C. 20036 TEL 202/797-5000

100% SUBMISSION

SCHEDULES

100% SUBMISSION

09/14/2022

