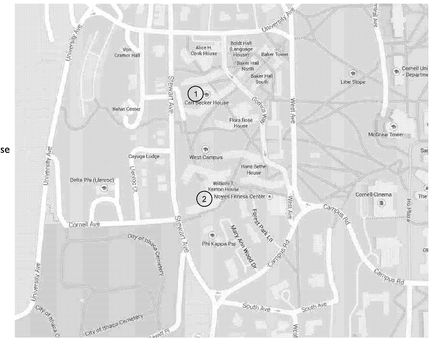
West Campus Dining Exhaust System Remediation
Carl Becker and William Keeton Houses

Cornell University
Ithaca, New York

1 Carl Becker House
2 William Keeton House



Project Location Map

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Drawing List:

	Title Sheet
SA	Symbols & Abbreviations
M200	Carl Becker House Key Plans
M201	Carl Becker House Enlarged Plans, Reflected Ceiling Plan and Details
M300	William Keeton House Key Plans
M301	William Keeton House Enlarged Plans and Details

Mechanical Symbols

TAG NO. / VALUE — EQUIPMENT TAG (NON-MOTORIZED)
CFM, GPM, CAPACITY
TAG NO. / VALUE — EQUIPMENT TAG (MOTORIZED)
TAG NO. / NECK SZ. / CFM — REGISTER, GRILLE, DIFFUSER
FTR-TYPE / ENC. LENGTH / ELEM. LENGTH / GPM — FIN TUBE RADIATION
ENCLOSURE NOTED AS: WW: WALL TO WALL, W/U: WALL TO UNIT, W/D: WALL TO DOOR, ETC...
DUCT UP POSITIVE PRESSURE (UP / TOWARDS)
DUCT DOWN POSITIVE PRESSURE (DOWN / AWAY)
DUCT UP NEGATIVE PRESSURE (UP / TOWARDS)
DUCT DOWN NEGATIVE PRESSURE (DOWN / AWAY)
POSITIVE PRESSURE DUCT UP THROUGH NEXT FLOOR/ROOF
NEGATIVE PRESSURE DUCT UP THROUGH NEXT FLOOR/ROOF
DUCT BREAK
RECTANGULAR ELBOW W/TURNING VANES
RECTANGULAR ELBOW

SWEEP ELBOW WITH TURNING/SPLITTER VANES
SWEEP ELBOW
STANDARD BRANCH DUCT W/VOLUME DAMPER
FLEXIBLE CONNECTION
ACOUSTICALLY LINED DUCTWORK
FLEXIBLE DUCT
VOLUME DAMPER
FIRE DAMPER (FD)
SMOKE DAMPER (SD)
FIRE AND SMOKE DAMPER (FSD)
AUTOMATIC AIR DAMPER (AAD)
BACK DRAFT DAMPER (BDD)
EXISTING DUCTWORK
AIR FLOW
DUCT AIR FLOW
EXHAUST FAN

ROOFTOP HOOD (RELIEF)
ROOFTOP HOOD (INTAKE)
FIN TUBE RADIATION
FINTUBE ENCLOSURE OR UV DRAFTSTOP

ATV	ATMOSPHERIC VENT
BBD	BOILER BLOW DOWN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
CGS	CHILLED GLYCOL SUPPLY
CGR	CHILLED GLYCOL RETURN
CD	CONDENSATE DRAIN
C	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
HGS	HOT GLYCOL SUPPLY
HGR	HOT GLYCOL RETURN
HPWS	HEAT PUMP SUPPLY
HPWR	HEAT PUMP RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
HCS	HOT/CHILLED WATER SUPPLY
HCR	HOT/CHILLED WATER RETURN
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
LPWG	LOW PRESSURE STEAM WET (FLOODED) CONDENSATE
MU	MECHANICAL EQUIPMENT MAKE-UP COLD WATER (NON-POTABLE)
RS	REFRIGERANT SUCTION

RL	REFRIGERANT LIQUID
HG	REFRIGERANT HOT GAS
PD	PUMP DISCHARGE
	REMOVE EXG. DUCT, PIPING, EQUIPMENT
EXG	EXISTING HVAC PIPE
	BOTTOM PIPE CONNECTION
	TOP PIPE CONNECTION
	PIPE ELBOW DOWN
	PIPE ELBOW UP
	PIPE UP AND DOWN
	PIPE DOWN WITH CLEANOUT AT BASE
	PIPE DOWN WITH SHUTOFF VALVE
	PIPE UP WITH SHUTOFF VALVE
	CAP OR PLUG
	UNION CONNECTION
	FLANGE CONNECTION
	PIPING REDUCER (CONCENTRIC)
	PIPING REDUCER (ECCENTRIC)
	PIPE ANCHOR
	PIPE GUIDE
	EXPANSION COMPENSATOR
	EXPANSION JOINT
	FLEX CONNECTOR
	TEMPERATURE OR PRESSURE PROBE WELL
	THERMOMETER
P	PRESSURE GAUGE
P	PRESSURE SWITCH
	PRESSURE/TEMPERATURE (PETE'S PLUG)
	MANUAL AIR VENT

AV	AUTOMATIC AIR VENT
SV	STEAM VENT
VB	VACUUM BREAKER
F	FLOW SWITCH
FM	FLOW METER
	ORIFICE METER
	VENTURI FLOW METER
	WYE STRAINER
	WYE STRAINER WITH BLOW DOWN VALVE
	DIRECTION OF FLOW
	PIPE BREAK
	BASKET STRAINER
	DUPLEX BASKET STRAINER
	AQUASTAT
D	PITCH PIPING (DOWN)
	AUTOMATIC FLOW CONTROL VALVE
	BACKFLOW PREVENTOR
B	BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	2-WAY CONTROL MODULATING VALVE
	3-WAY CONTROL MODULATING VALVE (INSTALL STEM VERTICAL)
	3-WAY CONTROL THERMOSTATIC MIXING VALVE (SELF-CONTAINED)
S	SOLENOID (ELECTRIC) ON/OFF
M	MOTORIZED MODULATING VALVE
	FUSIBLE LINK VALVE

	GAS PRESSURE REGULATOR VALVE
	TRIPLE DUTY VALVE
	GATE VALVE
	GLOBE VALVE
	OS&Y GATE VALVE
	PLUG VALVE
P	PRESSURE REDUCING VALVE
TP	TEMP AND PRESSURE RELIEF VALVE
P	PRESSURE RELIEF VALVE
	STEAM TRAP
	THERMOSTATIC STEAM TRAP
FT	FLOAT AND THERMOSTATIC STEAM TRAP
B	BUCKET STEAM TRAP
A	AIR SEPARATOR
	CIRCULATING PUMP
	SHOCK ABSORBER
	SHOCK ABSORBER W/ BALL VALVE
	CLEANOUT PLUG
CODP	CLEANOUT DECK PLATE
	FIRE HYDRANT
	EXG FIRE HYDRANT
	FIRE HYDRANT (FE) WALL HOOK
	FIRE RISER VALVE ASSEMBLY
BS	BURNER SHUT OFF
H	HUMIDISTAT
H S	HUMIDITY SENSOR

2 / A12 — STANDARD REFERENCE BUBBLE DETAIL NUMBER / DRAWING NUMBER
Floor Plan 1/8"=1'-0" — DRAWING TITLE & SCALE
BUILDING SECTION
WALL SECTION
ELEVATION
4 / A1 / 2 / 3 — INTERIOR ELEVATION
DETAIL
CLASSROOM 101 — ROOM NAME AND NUMBER
NORTH ARROW
CONTRACT LIMIT LINE
PROPERTY LINE
COLUMN CENTER LINE
CUT LINE
MATCH LINE
CENTER LINE
100'-0" 1st FF
DRAWING REVISION NUMBER
ADA 5' TURNING RADIUS

EARTH
GRAVEL
SAND
CONCRETE
NEW ASPHALT PAVING OR TOP COURSE
NEW HEAVY-DUTY ASPHALT PAVING
REMOVE AND REPLACE ASPHALT PAVING
CONCRETE MASONRY UNITS
BRICK
STONE
METAL, STEEL
PLYWOOD
FINISHED WOOD TRIM
ROUGH WOOD
INSULATION (LOOSE OR BATT)
RIGID INSULATION
CERAMIC TILE
ACOUSTICAL PANEL
GLASS (LARGE SCALE)
PLASTER, CEMENT, GROUT GYPSUM WALL BOARD
RESILIENT FLOORING
TERRAZZO
STRUCTURAL GLAZED TILE

NOTE:	REFER TO FINISH PLANS FOR ROOM FINISH KEY AND ADDITIONAL ABBREVIATIONS	BRSH	BRICKSHELF	CWR	CHILLED WATER RETURN	HDPE	HIGH DENSITY POLYETHYLENE	LPS	LOW PRESSURE STEAM	PE	PORCELAIN ENAMEL	RMC	RIGID METAL CONDUIT	TBD	TO BE DETERMINED	WG	WALL GRILLE, WATER GAUGE
		BRZ	BRONZE	CWS	CHILLED WATER SUPPLY	HDR	HEADER	LPT	LOW POINT	PERF	PERFORATE (ION) (ED)	RNC	RIGID NONMETALLIC CONDUIT	TC	TEMPERATURE CONTROL, TEMPERED CLEAR, TELECOMMUNICATIONS CONTRACTOR,	WH	WALL HUNG, WALL HYDRANT
		BS	BOTH SIDES, BOTTOM OF STAIR	CWT1	CERAMIC WALL TILE TYPE 1	HDW	HARDWARE	LS	LINOLEUM SHEET TYPE 1	PERI	PERIMETER	RNT	RUNNING TRAP			W	WROUGHT IRON
AAC	ASBESTOS ABATEMENT CONTRACTOR	BSMT	BASEMENT			HG	HOT GLYCOL	LT	LIGHT	PERP	PERPENDICULAR	RO	ROUGH OPENING			WM	WIREMOLD
AAD	AUTOMATIC AIR DAMPER	BSPL	BACKSPLASH	D1	DANCE FLOORING TYPE 1	HIP	HIGH IMPACT PANEL	LT1	LINOLEUM TILE TYPE 1	PL	PLATE, PROPERTY LINE	ROW	RIGHT OF WAY	TCX	TOP CHORD EXTENTION	WP	WATER PROOFING, WORKING POINT
AB	ANCHOR BOLT, AIR BARRIER	BT	BENT	D	DIESEL FUEL, DEPTH	HM	HOLLOW METAL	LTL	LINTEL	PLAM	PLASTIC LAMINATE	RPM	REVOLUTIONS PER MINUTE	TDV	TRIPLE DUTY VALVE	WR	WATER REPELLENT, WIDE RIB, WALL REGISTER
AC	AIR CONDITIONING, ALTERNATING CURRENT	BTU	BRITISH THERMAL UNITS	DB	DRY BULB	HORZ	HORIZONTAL	LV	LOW VOLTAGE	PLAS	PLASTER, PLASTIC	RR	REMOVE EXISTING AND REPLACE WITH NEW	TEL	TELEPHONE	WS	WATER STOP
ACCMP	ASPHALT COATED CORR METAL PIPE	BTUH	BRITISH THERMAL UNITS PER HOUR	DC	DIRECT CURRENT	HP	HORSEPOWER, HIGH PRESSURE, HEAT PUMP	LVR	LOUVER	PLF	POUNDS PER LINEAR FOOT	RS	RUBBER STAIR TREAD/RISER	TEMP	TEMPERATURE	WSCT	WAINSCOT
ACM	ASBESTOS CONTAINING MATERIAL	BUR	BUILT-UP ROOFING	DDC	DIRECT DIGITAL CONTROL	HPC	HIGH PERFORMANCE COATING	LWT	LEAVING WATER TEMPERATURE	PLYWD	PLYWOOD	RTH	ROOF TOP HOOD	TG	TOP GRILLE, TONGUE AND GROOVE	WT	WEIGHT
ACT	ACOUSTICAL CEILING TILE	BW	BOTTOM OF WALL	DE	DELONIZED WATER	HPL	HIGH PRESSURE LAMINATE			PM	PLUGMOLD	RTU	ROOF TOP UNIT	THK	THICKNESS	WWHP	WATER TO WATER HEAT PUMP
ACU	AIR CONDITIONING UNIT	BWC	BACK WATER CHECK VALVE	DEG	DEGREES	HR	HANDRAIL, HOUR	MAN	MANUAL	PNL	PANEL	RW	RAW WATER	THR	THRESHOLD	WWM	WELDED WIRE MESH
AD	AREA DRAIN			DEMO	DEMOLISH	HT	HEIGHT	MAS	MASONRY	POC	POINT OF CURVATURE, POINT OF CONNECTION			TME	TO MATCH EXISTING	W/	WITH
ADA	AMERICAN DISABILITIES ACT	C1	CARPET TYPE 1	DEP	DEPRESS (ED) (ION)	HTG	HEATING	MAT	MATERIAL	POL	POLISHED	S	SOUTH, SUPPLY, SURGE PROTECTED	TMV	THERMOSTATIC MIXING VALVE	W/O	WITHOUT
ADD	ADDENDUM	C	CONDUIT, CONVECTOR, CONDENSOR,	DET	DETAIL (ED)	HW	HIGH VOLTAGE	MAU	MAKE UP AIR UNIT	POS	POSITIVE	SA	SUPPLY AIR	TOD	TOP OF DUCT		
ADDL	ADDITIONAL		COMMON	DF	DRINKING FOUNTAIN	HVAC	HEATING/VENTILATING/AIR CONDITIONING	MAX	MAXIMUM	POT	POINT OF TANGENCY	SAN	SANITARY	TOF	TOP OF FASCIA, TOP OF FOOTING	XHCI	EXTRA HEAVY CAST IRON
ADDN	ADDITION	CA	COMPRESSED AIR	DH	DOUBLE HUNG	HVU	HEATING AND VENTILATING UNIT	MB	MARKER BOARD	PR	PAIR	SAS	SMOOTH ALL SIDES	TOL	TOLERANCE		
ADH	ADHESIVE	CAB	CABINET	DHU	DEHUMIDIFICATION UNIT	HW	HOT WATER	MBH	THOUSAND BTUH	PRE	POWER ROOF EXHAUSTER	SC	SOLID CORE, SILL COCK, SEALED CONCRETE	TOM	TOP OF MASONRY	YD	YARD DRAIN, YARD
ADJ	ADJACENT	CATV	CABLE TELEVISION	DI	DROP INLET, DUCTILE IRON, DISTILLED WATER	HWH	HOT WATER HEATER	MBR	MEMBER	PREP	PREPARE (ARCHITECTURAL)	SCHED	SCHEDULE	TOP	TOP OF PIPE, TOP OF PIER		
ADR	ACCESS DOOR	CB	CATCH BASIN, CIRCUIT BREAKER, CHALKBOARD	DIA	DIAMETER	HWP	HOT WATER PUMP	MD	MOTORIZED DAMPER	PRF	PREFORMED	SCT	STRUCTURAL CLAY TILE	TOS	TOP OF STEEL, TOP OF STAIR		
AESS	ARCH EXPOSED STRUCTURAL STEEL	CCTV	CLOSED CIRCUIT TELEVISION	DIAG	DIAGONAL	HWR	HOT WATER RETURN	ME	MECHANICAL EQUIPMENT	PROJ	PROJECT	SD	STORM DRAIN, SPLITTER DAMPER,	TPART	TOILET PARTITION		
AFF	ABOVE FINISH FLOOR	CD	CEILING DIFFUSER, CONDENSATE DRAIN	DIM	DIMENSION	HWS	HOT WATER SUPPLY	MECH	MECHANICAL (LY)	PS	PAINT EXPOSED STRUCTURE/DECK		SMOKE DAMPER	TR	TOP REGISTER		
AH	ACCESS HATCH	CEM	CEMENT	DISP	DISPENSER			MEMB	MEMBRANE	PSF	POUNDS PER SQUARE FOOT	SEC	SECTION	TRN	TRANSOM		
AHU	AIR HANDLING UNIT	CER	CERAMIC CF CUBIC FEET, CEILING FAN	DIST	DISTANCE	FLUOR	FLUORESCENT	MEMB	MEMBRANE	PSI	POUNDS PER SQUARE INCH	SF	SQUARE FEET	TS	TOP OF STAIR		
AIB	AIR INFILTRATION BARRIER	CFM	CUBIC FEET PER MINUTE	DIV	DIVISION	ID	INSIDE DIAMETER	MEZZ	MEZZANINE	PT	POINT	SGI	SMALL GROUP INSTRUCTION	TV	TELEVISION		
ALT	ALTERNATE	CFMF	COLD FORMED METAL FRAMING	DL	DEAD LOAD	IE	INVERT ELEVATION	MF	MIXING FAUCET	PT1	PORCELAIN TILE TYPE 1	SGT	STRUCTURAL GLAZED TILE	TW	TEMPERED WATER, TOP OF WALL		
ALTB	ACOUSTICALLY LINED TRANSFER BOX	CFT1	CERAMIC FLOOR TILE TYPE 1	DN	DOWN	IN	INCHES	MFR	MANUFACTURER (R)	PTD	PAINTED	SH	SHELF, SHELVING, SMOKE HATCH	TYP	TYPICAL		
ALTN	ALTERATION ALUM ALUMINUM	CG	CEILING GRILLE	DO	DITTO	INCL	INCLUDE (D) (ING)	MH	MAN HOLE	PTFR	PRESSURE TREATED FIRE RETARDANT	SHR	SHOWER, SHEAR WALL				
AMP	AMPERE	CHAN	CHANNEL	DP	DAMPROOF (ING)	FOB	FREIGHT ON BOARD, FLAT ON BOTTOM	INS	INSULATE (D) (ION)	PTP	PRESSURE TREATED PRESERVATIVE	SHT	SHEET	UC	UNDERCUT		
ANOD	ANODIZED	CHUV	CEILING HUNG UNIT VENTILATOR	DPR	DAMPER	FOR	FUEL OIL RETURN	INT	INTERIOR	PVC	POLYVINYL CHLORIDE	SHTHG	SHEATHING	UD	UNDERDRAIN		
ANT	ACID NEUTRALIZATION TANK	CI	CAST IRON	DR	DOOR, DEEP RIB	FOS	FUEL OIL SUPPLY	IP	IRON PIPE	PVMT	PAVEMENT	SIM	SIMILAR	UE	UNDERGROUND ELECTRIC		
AP	ACCESS PANEL	CIP	CAST IN PLACE	DWG	DRAWING	FOT	FLAT ON TOP	IPS	IRON PIPE SIZE	PWE	POWER WALL EXHAUSTER	SK	SINK	UG	UNDERGROUND		
APPROX	APPROXIMATE (LY)	CIRC	CIRCUMFERENCE	DS	DOWNSPOUT, DRAINAGE STRUCTURE	FP	FIREPROOF (ING)	IW	INDIRECT WASTE	MOD	MODULE (OR), MODEL	SL	SOUND LINED, SKYLIGHT	UH	UNIT HEATER		
APC	ARCHITECTURAL PRECAST CONCRETE	CJ	CONTROL JOINT	DT	DRAIN TILE	FPM	FEET PER MINUTE			MR	MOP RECEPTOR	QF	QUARTZ FLOORING	SLC	SILLCOCK	UNF	UNFINISHED
ARCH	ARCHITECT (URAL)	CL	CENTER LINE	DTA	DOVETAIL ANCHOR	FR	FRAME, FLOOR REGISTER			MP	MULTICOLOR WALL COATING	QT	QUARRY TILE	SLV	SLEEVE	UNIF	UNIFORM
AS	AIR SEPARATOR	CLG	CEILING	DTL	DETAIL	FRA	FRESH AIR	J	JANITORS CLOSET	MT	MOUNT			SLVR	STORM LOUVER	UNO	UNLESS NOTED OTHERWISE
ASB	ASBESTOS	CLKG	CAULKING	DW	DUMBWAITER, DISHWASHER	FRC	FIRE RESISTANT COATING	JB	JUNCTION BOX	MTD	MOUNTED	R	RADIUS, RETURN, REFRIGERANT	SMH	SANITARY MANHOLE	UR	URINAL
ASPH	ASPHALT	CLL	CONTRACT LIMIT LINE	DWL	DOWEL	FRP	FIBERGLASS REINFORCED PANEL	JC	JANITORS CLOSET	MTG	MOUNTING	RA	RETURN AIR	SOG	SLAB ON GRADE	UT	UNDERGROUND TELEPHONE
ATV	ATMOSPHERIC VENT	CLR	CLEAR (ING) (ENCE)	DWR	DRAWER	FRT	FIRE RETARDANT	JCT	JUNCTION	MTL	METAL	RAD	RADIATION	SP	STATIC PRESSURE, STANDPIPE,	UV	UNIT VENTILATOR
AUD	AUDITORIUM	CLRM	CLASSROOM			FS	FLOOR SINK	JT	JOINT	MTR	MARBLE THRESHOLD	RAF	RETURN AIR FAN, RESILIENT ATHLETIC FLOORING		SPACE (ING) (ES)		
AUTO	AUTOMATIC	CMP	CORRUGATED METAL PANEL	E	EAST	FSD	FIRE AND SMOKE DAMPER			MTR	METER	RB	RESILIENT BASE	SPEC	SPECIFICATION (S)	V	VENT, VOLT
AV	ACID VENT	CMT	CERAMIC MOSAIC TILE	EA	EXHAUST AIR, EACH	FT	FEET, FLOOR TREATMENT	KW	KILOWATT	MULL	MULLION	RC	ROOFING CONTRACT (OR)	SPKR	SPRINKLER	VAR	VARIES, VARIABLE
AVE	AVERAGE	CMU	CONCRETE MASONRY UNIT	EAT	ENTERING AIR TEMPERATURE	FTG	FOOTING	KWH	KILOWATT PER HOUR	MVEJ	MASONRY VENEER EXPANSION JOINT	RCA	RECYCLED CONCRETE AGGREGATE	SPL	SPECIAL	VARN	VARNISH
AVTR	ACID VENT THRU ROOF	CO	CLEAN OUT	EB	EXPANSION BOLT	FTR	FIN TUBE RADIATION	KV	KILOVOLT			RCP	REINFORCED CONCRETE PIPE,	SQ	SQUARE	VAT	VINYL ASBESTOS TILE
AW	ACID WASTE	CODP	CLEAN OUT DECK PLATE	EC	ELECTRICAL CONTRACTOR	FV	FLUSH VALVE	KVA	KILOVOLT AMPERE				REFLECTED CEILING PLAN	SS	STAINLESS STEEL	VAV	VARIABLE AIR VOLUME
		COL	COLUMN	ECF	ENHANCED CONCRETE FLOORING					N	NORTH, NO WORK REQUIRED		REMOTE CONDENSING UNIT	SST	STRUCTURAL STEEL TUBING	VB	VACUUM BREAKER, VAPOR RETARDER BARRIER,
B	BOILER, BRICK, BOTTOM	COMB	COMBINATION	EIFS	EXTERIOR INSULATION FINISH SYSTEM	G	GAS, GLYCOL	L	LENGTH, LONG	NAT	NATURAL	RCU	REMOTE CONDENSING UNIT	ST	STORM, STORAGE		
BB	BASKETBALL	COMP	COMPRESS (ED) (ION) (IBLE), COMPOSITE	EF	EACH FACE, EXHAUST FAN	GA	GAUGE	LAB	LABORATORY	NC	NORMALLY CLOSED,	RD	ROOF DRAIN	STA	STATION	VCB	VENTED COVE BASE
BBD	BOILER BLOWDOWN	CONC	CONCRETE	EJ	EXPANSION JOINT	GAL	GALLON	LAD	LADDER	NEC	NATIONAL ELECTRIC CODE	RECEPT	RECEPTACLE	STC	SHOWER TEMPERATURE CONTROLLER,	VCT1	VINYL COMPOSITE TILE TYPE 1
BC	BOTTOM OF CURB	COND	CONDENSATE	ELEC	ELECTRIC (AL)	GALV	GALVANIZED	LAM	LAMINATE (D)	NEG	NEGATIVE	REF	REFERENCE		STAINED CONCRETE	VD	VOLUME DAMPER
BCU	BLOWER COIL UNIT	CONN	CONNECTION	ELEM	ELEMENT	GASK	GASKET (ED)	LAT	LEAVING AIR TEMPERATURE	NEUT	NEUTRALIZATION	REFL	REFLECT (ED) (IVE) (OR)	STD	STANDARD	VERM	VERMICULITE
BCX	BOTTOM CHORD EXTENSION	CONST	CONSTRUCTION	ELEV	ELEVATION, ELEVATOR	GC	GENERAL CONTRACT (OR)	LAV	LAVATORY	NO	NUMBER, NORMALLY OPEN	REG	REGISTER	STG	SEATING	VERT	VERTICAL
BD	BOARD	CONT	CONTINOUS	EM	EMERGENCY	GCMU	GLAZED CONCRETE MASONRY UNIT	LB	POUND	NOM	NOMINAL	REINF	REINFORCE (D) (ING)	STL	STEEL	VEST	VESTIBULE
BDD	BACKDRAFT DAMPER	CONTR	CONTRACT (OR)	EMT	ELECTRICAL METALLIC TUBING	GCO	GENERAL CLEANOUT OF GROUND FACE	LBL	LABEL	NRC	NOISE REDUCTION COEFFICIENT	REM	REMOVED	STRF	STAGE (ED)	VIF	VERIFY IN FIELD
BFP	BACK FLOW PREVENTER	COORD	COORDINATE	ENC	ENCLOSURE	GL	GLASS, GLAZING	LBP	LEAD BASED PAINT	NTS	NOT TO SCALE	REQD	REQUIRED	STOR	STORAGE	VIN	VINYL
BG	BOTTOM GRILLE	CORR	CORRUGATED, CORRIDOR	END	EDGE OF DECK	GND	GROUND	LC	LANDSCAPE CONTRACTOR (SITE)			RESIL	RESILIENT	STRU	STRUCTURAL	VIT	VITREOUS TILE
BIT	BITUMINOUS	COWP	CLEAN OUT WALL PLATE	EOS	EDGE OF SLAB	GPM	GALLONS PER MINUTE	LCC	LEAD COATED COPPER			RET	RETAINING, RETURN	SURF	SURFACE	VNR	VENEER
BLDG	BUILDING BLOCK	CPVC	CHLORINATED POLY VINYL CHLORIDE	EQ	EQUAL	GR	GRADE (ING), GLYCOL RETURN	LDR	LEADER	OA	OVERALL OUTSIDE AIR	REV	REVISION, REVISED, REVEAL	SUSP	SUSPENDED	VOL	VOLUME
BLK	BLOCKING BLKG	CR	CEILING REGISTER	EQC	EQUIPMENT CONTRACTOR	GS	GLYCOL SUPPLY	LEV	LEVEL	OC	ON CENTER	RF	RUBBER FLOORING TYPE 1	SV	SHEET VINYL, STEAM VENT	VTR	VENT THROUGH ROOF
BM	BEAM	CRS	COURSE (S)	EQUIP	EQUIPMENT	GVL	GRAVEL	LF	LINEAR FOOT	OD	OUTSIDE DIAMETER	RFG	ROOFING	SW	SWITCH, SOFTENED WATER	VWC	VINYL WALL COVERING
BO	BY OTHERS	CSK	COUNTERSINK	ES	EXPOSED SURFACE, EXPOSED STRUCTURE	GWB	GYPSUM WALL BOARD	LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT	OPNG	OPENING	RFH	ROOF HATCH	SWC	SERVICE WEIGHT CAST IRON		
BOD	BOTTOM OF DUCT	CSMT	CASEMENT	ESF	ELASTIC SHEET FLASHING	GYP	GYPSUM	LFNC	LIQUID-TIGHT FLEXIBLE NONMETALLIC CONDUIT	OPP	OPPOSITE	RFM	RECESSED FLOOR MAT	SYM	SYMMETRICAL	W	WEST, WIDTH, WIDE, WASTE, WATT
BOF	BOTTOM OF FOOTING	CT	COMPUTER TERMINAL, CERAMIC BASE TILE	ESM	ELASTIC SHEET MEMBRANE			LG	LENGTH, LONG	OPP HD	OPPOSITE HAND	RG	RETURN GRILLE	SYN	SYNTHETIC	WB	WET BULB
BOS	BOTTOM OF STEEL	CTD	COATED	EW	EACH WAY	H	HEIGHT	LGI	LARGE GROUP INSTRUCTION			RGS	RIGID GALVANIZED STEEL	SYS	SYSTEM	WC	WATER CLOSET, WALL COVERING
BOT	BOTTOM	CTOP	COUNTER TOP	EWC	ELECTRIC WATER COOLER	HB	HOSE BIB	LH	LEFT HAND	P	PAINT SURFACE(S) INCLUDING SOFFITS	RH	RIGHT HAND			WD	WOOD
BPL	BEARING PLATE	CTR	CENTER	EWT	ENTERING WATER TEMPERATURE	HBD	HARD BOARD	LIN	LINEAR	PAR	PARALLEL	RHC	REHEAT COIL		T	WD1	WOOD FLOORING - GYM
BR	BOTTOM REGISTER	CU	CUBIC	EXH	EXHAUST	HC	HEATING CONTRACT (OR), HANDICAP	LKR	LOCKER	PART	PARTITION	RI	ROUGH-IN		T1 TERRAZZO TYPE 1	WD2	WOOD FLOORING - STAGE
BRDG	BRIDGING	CUH	CABINET UNIT HEATER	EXG	EXISTING	HCR	HOT/CHILLED RETURN	LL	LIVE LOAD	PC	PLUMBING CONTRACT (OR),	RL	RAIN LEADER		TB TOP AND BOTTOM, TACK BOARD,	WDW	WINDOW
BRG	BEARING	CV	CONVECTOR, CURB VALVE	EXP	EXPANSION	HCS	HOT/CHILLED SUPPLY	LP	LOW PRESSURE		PIGMENTED CONCRETE	RLG	RAIL (ING)		TERRAZZO BASE	WDWC	WINDOW CONTRACTOR
BRK	BRICK	CW	COLD WATER	EXT	EXTERIOR, EXTERNAL	HD	HEAVY DUTY	LPC	LOW PRESSURE CONDENSATE	PCC	PRECAST CONCRETE	RM	ROOM			WF	WASH FOUNTAIN

TETRA TECH
ARCHITECTS & ENGINEERS

Architecture Engineering Planning for High Performance Facilities

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

OCT 22, 2018

Set No.

100% Construction Documents

08249-15002