

A

A

B

B

C

C

D

D

E

E

F

F

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

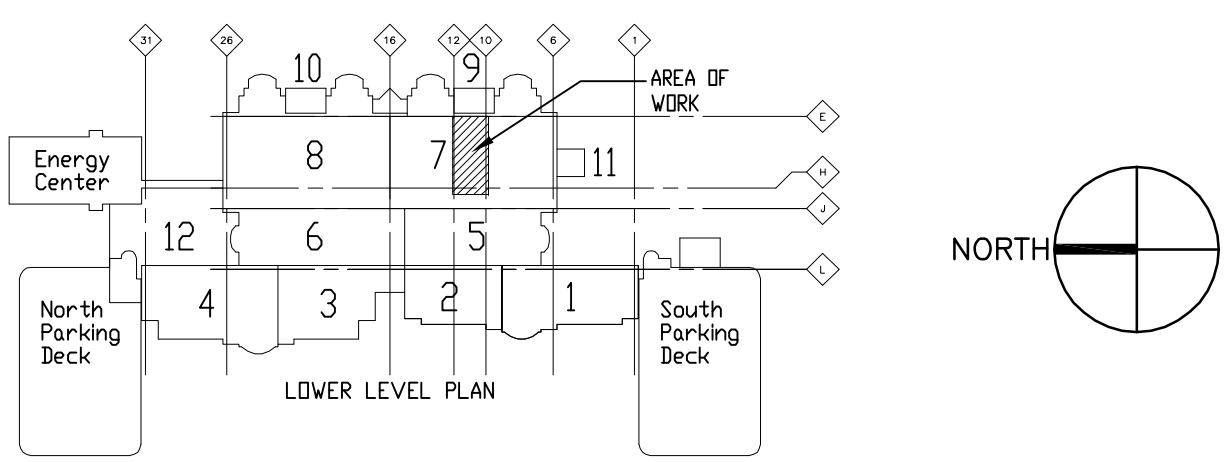
DUCT AND FITTING DESIGN SYMBOLS			
RECTANGULAR DUCTWORK			
SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	ITEM	CATEGORY
		RECTANGULAR	DUCT (FIRST DIMENSION LISTED IS FOR SIDE SHOWN)
		RECTANGULAR	DUCT SECTION
		RADIUS THROAT	ENTRANCE
		SQUARE THROAT	
		BELLMOUTH	
		CHANGE DIMENSIONS	TRANSITION (IF ECCENTRIC FLAT TOP OR FLAT BOTTOM)
		CHANGE CONFIGURATION	
		UP	
		DOWN	OFFSET
		RADIUS ELBOW	
		VANED ELBOW	
		SQUARE TAP & COLLAR EXTR	BRANCH TAKE-OFF
		RADIUS TOP ELBOW	
		RADIUS BOTTOM ELBOW	
		RADIUS TAP COLLAR	
		SQUARE TAP COLLAR	
		VANED SIDE ELBOW	
		VANED TOP ELBOW	
		VANED BOTTOM ELBOW	
		SIDE BY SIDE RADIUS ELBOWS	
		TOP & BOTTOM RADIUS ELBOWS	
		SIDE BY SIDE VANED ELBOWS	WYE BRANCH (TRANSITION IF REQUIRED)
		TOP & BOTTOM VANED ELBOWS	
		SUPPLY	
		RETURN OR EXHAUST	RISER THROUGH SLAB
ROUND AND OVAL DUCTWORK			
SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	ITEM	CATEGORY
		ROUND	DUCT (FIRST DIMENSION LISTED IS FOR SIDE SHOWN)
		FLAT OVAL	
		FLAT OVAL	DUCT SECTION
		ROUND	
		BELL MOUTH	ENTRANCE
		CHANGE DIMENSIONS	TRANSITION (IF ECCENTRIC FLAT TOP OR FLAT BOTTOM)
		CHANGE CONFIGURATION	
		UP	
		DOWN	OFFSET
		DIE STAMPED TO 8"	
		FIVE PIECE OVER 8"	
		CONICAL TEE	BRANCH TAKE-OFF
		SPIN ON CONNECTION TO RECTANGULAR	
		CONICAL LATERAL	
		WYE OR TEE	WYE
		SUPPLY	RISER THROUGH SLAB
		RETURN OR EXHAUST	
		MAXIMUM LENGTH 5'-0"	
			FLEXIBLE DUCTWORK RUNOUTS

MECHANICAL SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CONTROLS					
	AIR FLOW INDICATOR		BALL VALVE		NEW / EXISTING CONNECTION
	GRAVITY DAMPER		BUTTERFLY VALVE		STANDARD UPRIGHT SPRINKLER
	PARALLEL AND OPPOSED BLADE DAMPERS		GATE VALVE		STANDARD PENDANT SPRINKLER
	COILS (COOLING, PREHEAT, REHEAT AND ELECTRIC)		GLOBE VALVE		DRY PENDANT SPRINKLER
	GAS BURNER		PLUG VALVE		UPRIGHT SPRINKLER ON 1" SPRING UP SIDEWALL SPRINKLER
	HUMIDIFIER		TWO-WAY CONTROL VALVE		SPOT NOZZLE
	FILTER		THREE-WAY CONTROL VALVE		RADIAL NOZZLE
	FAN		CHECK VALVE		FIRE HOSE RACK/REEL
	AIR TERMINAL UNIT		PRESSURE REDUCING VALVE		FIRE HOSE CABINET
	PUMP		RELIEF OR SAFETY VALVE		FIRE HOSE HOLDER
	AUTOMATIC FLOW CONTROL VALVE		SOLENOID, PNEUMATIC OR MOTORIZED TWO-WAY VALVE		ROOF HOSE BOX
	MOTORIZED 2-WAY AND 3-WAY CONTROL VALVES		LATERAL GATE VALVE		AUTOMATIC SPRINKLER RISER
	MOTOR STARTER		HOSE END DRAIN VALVE		DRY PIPE VALVE / DELUGE VALVE
	VARIABLE SPEED DRIVE		SQUARE HEAD COCK		HEAT DETECTORS
	SENSORS		END CAP		SMOKE DETECTOR
	SENSOR WITH AVERAGING ELEMENT		NIPPLE AND CAP		MANUAL RELEASE
	DIFFERENTIAL PRESSURE SENSOR		AIR TRAP		ALARM HORN
	FREEZE STAT		FLANGED FITTINGS		ALARM BELL
			FLOOR DRAIN		ALARM LIGHT
			FUNNEL DRAIN, OPEN		UNDERGROUND VALVE WITH INDICATOR POST
			STRAINER		FIRE HYDRANT
			STRAINER WITH BLOW-OFF VALVE		FIRE DEPARTMENT SIAMESE CONNECTION
			UNION		REMOVED OR ABANDONED FIRE LINE
			TRAP, SINGLE CLEAN OUT		GATE VALVE IN BOX
			TRAP, DOUBLE CLEAN OUT		
			TRAP, STEAM (DRIP & TRAP)		
			PRESSURE GAUGE		
			THERMOMETER WITH WELL		
			FLOW METER		
			FLOW SWITCH		
			FLOW PROBE		
			ELBOW, 90°		
			ELBOW, 45°		
			ELBOW, TURNED DOWN		
			ELBOW, TURNED UP		
			ELBOW DOWN OFFSET		
			ELBOW DOWN, 90 DEG OFFSET		
			ELBOW, BASE		
			TEE		
			CROSS		
			TEE, OUTLET UP		
			TEE, OUTLET DN		
			CONNECTION, TOP		
			CONNECTION, BOTTOM		
			TEE, SINGLE-SWEEP		
			ALIGNMENT GUIDE		
			ANCHOR		
			EXPANSION BEND		
			EXPANSION JOINT		
			FLEXIBLE CONNECTION		
			FLEXIBLE METAL HOSE		

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KEY PLAN



US DEPARTMENT OF
VETERANS AFFAIRS
JOHN D. DINGELL
VA MEDICAL CENTER
4646 JOHN R. STREET
DETROIT, MI 48202

ARCHITECT/ENGINEERS:



Albert Kahn Associates, Inc.
Albert Kahn Building
7430 Second Ave.
Detroit, Michigan 48202-2798
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Approved Project Director
J. P. COLE

Project Title POLICE SERVICES RELOCATION

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Drawn
FME

Project Number 553-11-108

Building Number
100
Drawing Number
M-002
Dwg. 25 of 50

Office of
Construction
and Facilities
Management



FULLY SPRINKLERED