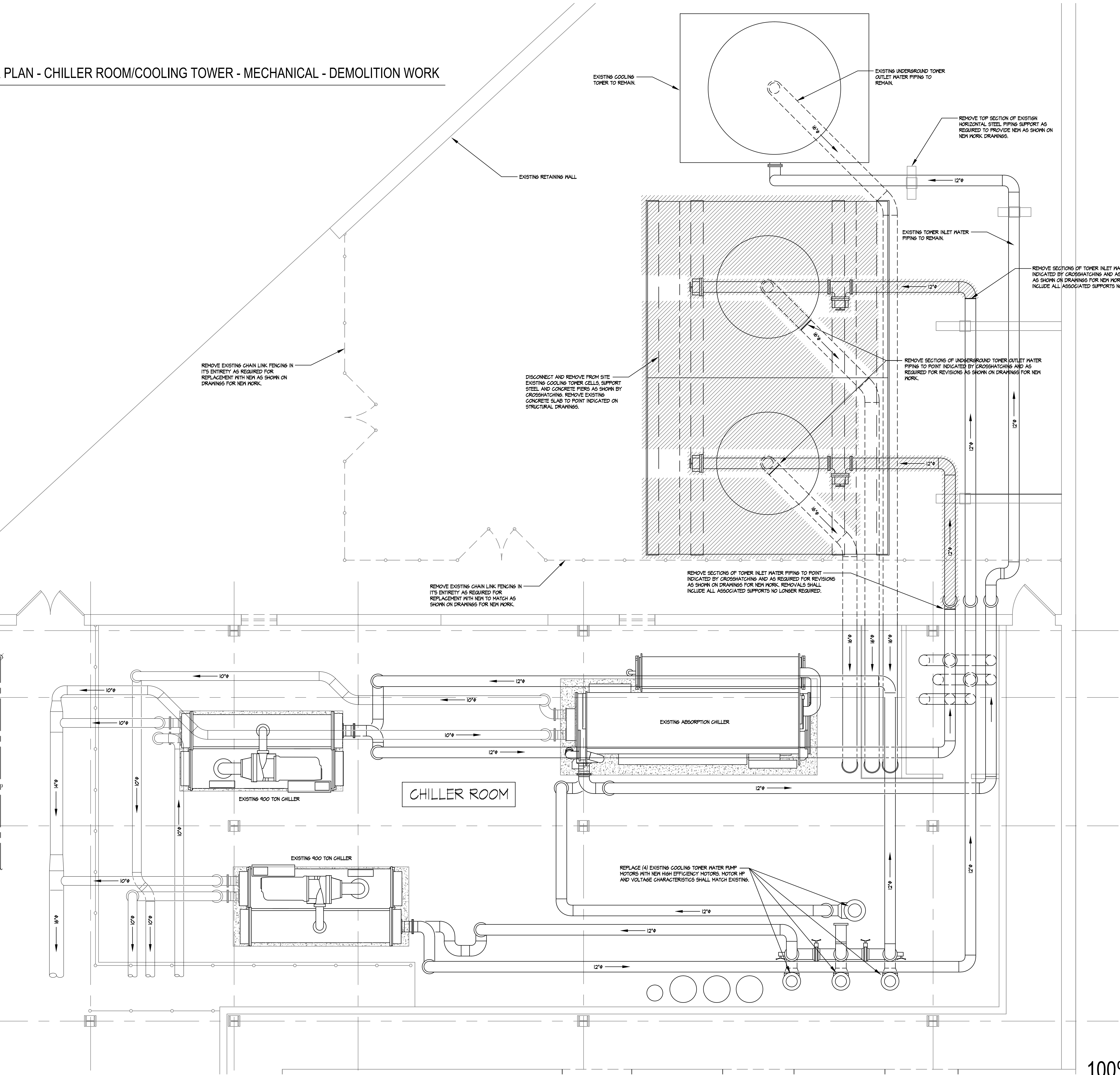
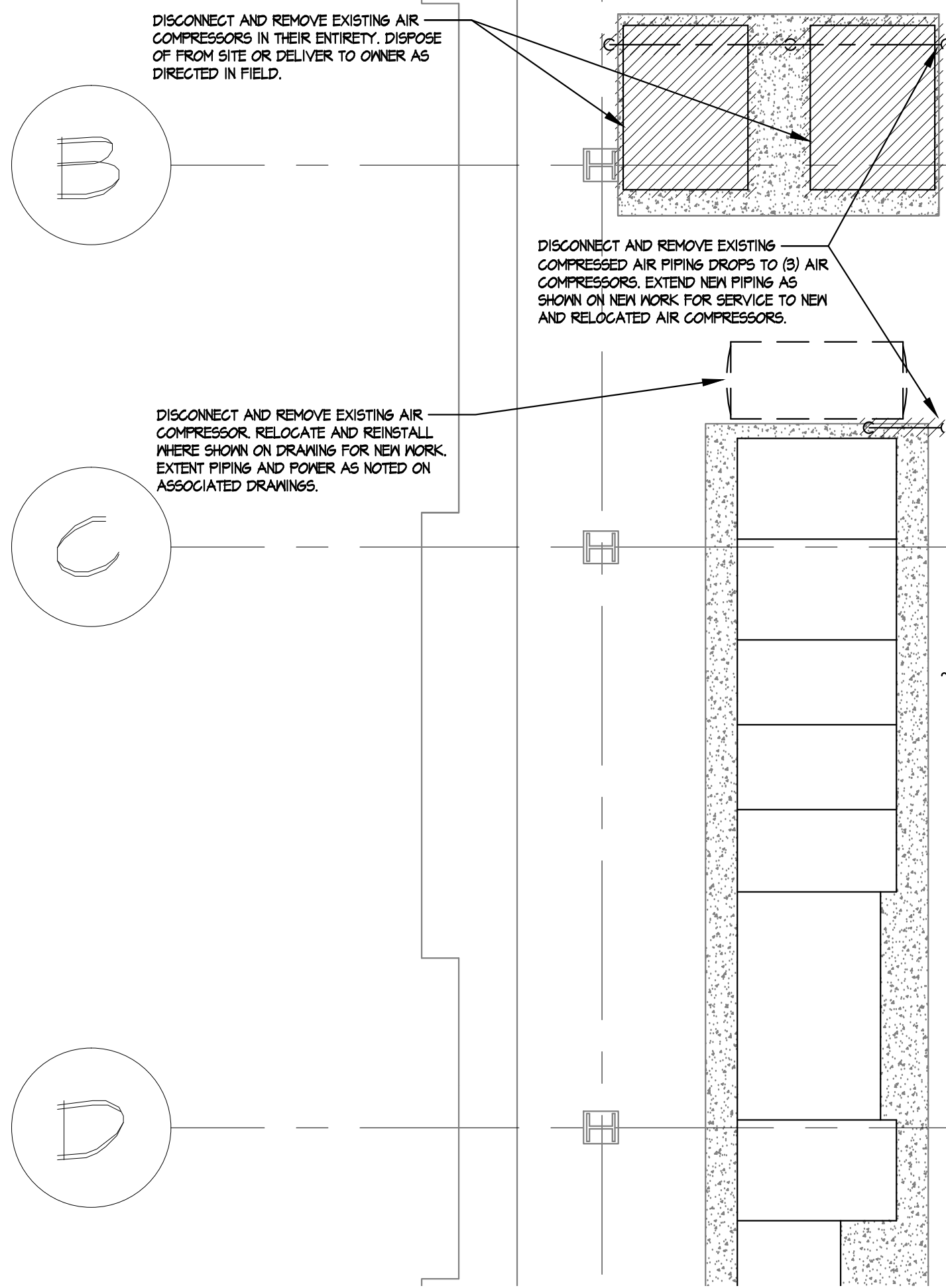


three eighths inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot

PIPING SYMBOLS		
SYMBOL	DESCRIPTION	ABBRV.
	SHUT-OFF VALVE, SEE SPECIFICATIONS FOR TYPE	
	CHECK VALVE	
	PLUG VALVE	
	BUTTERFLY VALVE	
	ANGLE VALVE	
	2-WAY CONTROL VALVE	
	3-WAY CONTROL VALVE	
	PRESSURE RELIEF VALVE	
	PRESSURE REDUCING VALVE	PRV
	VALVE ON RISER	
	PRESSURE GAUGE WITH GAUGE COCK	
	STRAINER WITH BLOWOFF VALVE & HOSE BIBB	
	PIPE TURNED UP	
	PIPE TURNED DOWN	
	TEE OUTLET DOWN	
	TEE OUTLET UP	
	PIPE CAP	
	OPEN ENDED PIPE	
	PRESSURE OR TEMPERATURE TEST WELL	
	CALIBRATED FLOW BALANCING VALVE	
	EXPANSION COMPENSATOR	
	PIPE ANCHOR	
	PIPE (MOMENT) GUIDES	
	WALL OR FLOOR SLEEVE	
	DIRECTION OF FLOW	
	THERMOMETER	
	PITCH PIPE DOWN IN DIRECTION OF ARROW	
	UNION FLANGED OR SCREWED, SEE SPECIFICATIONS	
	AIR VENT (MANUAL)	
	AIR VENT (AUTOMATIC)	
	FLOAT & THERMOSTATIC TRAP	
	INVERTED BUCKET TRAP	
	THERMOSTATIC TRAP	
	THERMODYNAMIC TRAP	
	HOT WATER SUPPLY	HWS
	HOT WATER RETURN	HWR
	DRAIN	D
	LOW PRESSURE STEAM (0 - 15 PSI)	LPS
	LOW PRESSURE CONDENSATE (0 - 15 PSI)	LPC
	HIGH PRESSURE STEAM (15 - 150 PSI)	HPS
	HIGH PRESSURE CONDENSATE (15 - 150 PSI)	HPC
	PUMPED CONDENSATE DISCHARGE	PCD
	ROUND OR PHASE	
	FLAT OVAL DUCT	
	DIFFERENCE OR DIFFERENTIAL (TEMP, PRESS, ETC.)	
	SQUARE FEET	
	NEW TO EXISTING CONNECTION POINT	CITE
	INSERT INDICATES SECTION NUMBER	
	INSERT INDICATES DRAWING NUMBER	
NOTICE NOT ALL SYMBOLS SHOWN ABOVE ARE USED ON THIS PROJECT. REFERENCE ONLY.		

1 PARTIAL FLOOR PLAN - CHILLER ROOM/COOLING TOWER - MECHANICAL - DEMOLITION WORK
MD101
SCALE: 1/4"=1'-0"



CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management Department of Veterans Affairs			
				COOLING TOWER PLAN MECHANICAL - DEMOLITION WORK		COOLING TOWER REPLACEMENT 385 TREMONT AVENUE EAST ORANGE, NJ 07018		561-11-112					
				Approved: Project Director		Location East Orange Campus		Building Number N/A					
						Date March 20, 2012		Drawing Number MD101 Dwg. 3 of 8					
100% REVIEW SUBMISSION		LJM ENGINEERING GROUP		439 Route 46 East Rockaway, New Jersey 07866		Checked LJM		Drawn BW					
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Revisions:													