

### COMBUSTION AIR FAN SCHEDULE

DESIGNATION	CAF-1
LOCATION	BOILER ROOM
AREA SERVED	BOILER ROOM
MODEL	ISAF12
CFM	1,050
HP	$\frac{1}{2}$
FLA (AMPS)	4.2
RPM	2,200
SP (IN H <sub>2</sub> O)	0.5"
VOLTS/Ø/Hz	120/1/60
STARTER	-
INTERLOCK	B-1/B-2

NOTES:  
 1. CAF-1 BASED ON US DRAFT CO.  
 2. PROVIDE FAN PRESSURE CONTROLLER U.S. DRAFT CO. MODEL V250.  
 3. PROVIDE INTEGRAL BACK DRAFT DAMPER.

### HEAT EXCHANGER SCHEDULE

DESIGNATION	HX-2A, 2B	HX-3
LOCATION	BOILER ROOM	DHW STORAGE TANK ROOM
SERVICE	POOL WATER	DOMESTIC HOT WATER
MODEL	AP14	BPDW415-50
CAPACITY (MBH)	360.0	250.0
COLD SIDE:		
GPM	24.2	5.0
E.W./T./L./W.T. (°F)	75°/104°	40°/140°
WATER P.D. (FT. H <sub>2</sub> O)	19.3	0.55
HOT SIDE:		
GPM	17.7	12.6
E.W./T./L./W.T. (°F)	145°/105°	145°/105°
WATER P.D. (FT. H <sub>2</sub> O)	10.7	4.0

NOTES:  
 1. HEAT EXCHANGERS BASED ON BELL & GOSSETT.

### PUMP SCHEDULE

DESIGNATION	HWP-1, 2, 3	DHWP-2	DHWP-3	P-4
LOCATION	BOILER ROOM	DHW STORAGE TANK ROOM	POOL FILTER ROOM	BOILER ROOM
SYSTEM SERVED	HOT WATER	DOMESTIC HOT WATER	DOMESTIC HOT WATER	POOL WATER
MODEL	e-1535 1.25AAC	110S	110S	e-90 1.5AB
TYPE	BASE MOUNTED	INLINE	INLINE	INLINE
GPM	70	5	0.5	60
FLUID	WATER	DOMESTIC WATER	DOMESTIC WATER	POOL WATER
FLUID TEMP. (°F)	180°	140°	140°	105°
TOTAL DYNAMIC HEAD (FT H <sub>2</sub> O)	55	5	5	50
RPM	3,600	1,725	1,725	1,800
MOTOR:				
BHP/HP	1.31 / 3	0.08	0.08	1.19 / 2
VOLTAGE/Ø/Hz	208/3/60	120/1/60	120/1/60	208/3/60
STARTER:				
TYPE	VFD	-	-	-
LOCATION	BOILER ROOM	DHW STORAGE TANK ROOM	POOL FILTER ROOM	BOILER ROOM
NOTES: 1. PUMPS BASED ON BELL AND GOSSETT AND TACO. 2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY.				

### HOT WATER CONDENSING BOILERS

DESIGNATION	B-1, B-2, B-3
LOCATION	BOILER ROOM
QTY	3
MODEL	BMK-1000
INPUT (MBH)	1,000
GROSS OUTPUT (MBH)	960
MIN. GAS PRESSURE (W.C.)	4"
MAX. GAS PRESSURE (W.C.)	14"
MAX. ALLOWED WORKING PRESSURE (PSIG)	160
MIN. FLOW RATE (GPM)	12
WATER CONNECTIONS	3"
EWT/LWT (°F)	140°/180°
DIMENSIONS (L x W x H)	25"x28"x78"
GAS BURNER:	
GAS INPUT (MBH)	1,000
THERMAL EFFICIENCY (%)	87%
ELECTRICAL DATA:	
VOLTS/Ø/Hz	120/1/60
FLA	13.0

NOTES:  
 1. BOILERS BASED ON AERCO.  
 2. PROVIDE ASME CSD-1 COMPLIANT CONTROLS.  
 3. PROVIDE BOILERS WITH 80 PSI ASME RELIEF VALVES, 3-1/4" PRESSURE AND TEMPERATURE GAUGES, MANUAL RESET HIGH LIMIT AQUASTAT, LOW WATER CUT OFF.  
 4. PROVIDE MANUFACTURER'S CONDENSATE NEUTRALIZING KIT.  
 5. PROVIDE WITH FM COMPLIANT OR FACTORY INSTALLED DBB (IRI), VALVE PROVING SYSTEM GAS TRAIN OPERATION.

### AIR SEPARATOR SCHEDULE

DESIGNATION	AS-1
SERVICE	HW
MODEL	RL-4F
FLANGED TANGENTIAL OPENING (IN)	4"
OPERATING WEIGHT (LB)	263
DIAMETER/HEIGHT (IN)	16
CAPACITY (GAL)	13
MAX. TEMP. (°F)	350
MAX. PRESS. (PSI)	125

NOTES:  
 1. AIR SEPARATORS SHALL BE BASED ON BELL AND GOSSETT.  
 2. SHALL HAVE FLANGED TANGENTIAL OPENINGS.  
 3. THE AIR SEPARATOR SHALL BE DESIGNED, CONSTRUCTED AND STAMPED FOR 125 PSIG AT 350°F IN ACCORDANCE WITH THE ASME BOILER AND PRESSURE VESSEL CODE.

### EXPANSION TANK SCHEDULE

DESIGNATION	ET-1
SERVICE	HW
MODEL	D-40
OPERATING WEIGHT (LBS)	263
DIAMETER/HEIGHT (IN)	16.25/29
TANK AND ACCEPTANCE VOLUME (GAL)	21.7/11.3
MIN. TEMP. (°F)	60°
MAX. TEMP. (°F)	200°
MIN. PRESSURE (PSI)	28
MAX. PRESSURE (PSI)	125

NOTES:  
 1. TANKS BASED ON BELL AND GOSSETT AND SHALL BE ASME RATED AND STAMPED FOR 125 PSIG.

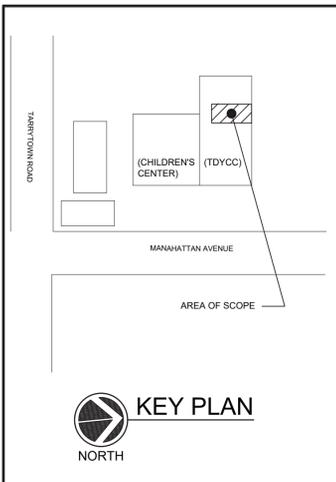
### EQUIPMENT NOTES

1.) TEMPORARY DHWH-1; AO SMITH MODEL #DSE-10A. 28" HEIGHT, 18" TOTAL DIAMETER,  $\frac{3}{4}$ " COLD WATER/HOT WATER PIPING CONNECTIONS. 10 GALLON STORAGE TANK CAPACITY AT 160 PSI WORKING PRESSURE. HEAT RECOVERY: 27 GPH @ 90°F RISE. 6 KW, 208 V, 1 PH, 60HZ. WEIGHT 116LBS.

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PROJECT TITLE  
**TOWN OF GREENBURGH  
 THEODORE D. YOUNG  
 COMMUNITY CENTER  
 BOILER PLANT REPLACEMENT**  
 32 MANHATTAN AVENUE  
 WHITE PLAINS, NY 10607

DRAWING TITLE  
**MECHANICAL AND PLUMBING  
 SCHEDULES**

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