

PROJECT	BLDG CODE, ADA ACCESSIBILITY UPGRADE & WHITE BOX RENOVATION AT BLDG 111, PACKAGE#17											
ADDRESS	JOHN F. KENNEDY INTERNATIONAL AIRPORT, JAMAICA NEWYORK											
ITEM #	SUBJECT	QTY.	W.F	QTY w/W.F	UNIT	U. LBR. HRS.	T. LBR HRS.	U. LBR. COST	T. LBR. COST	U. MTRL. COST	T. MTRL. COST	ITEM COST
HVAC ESTIMATE												
DEMOLITION												
1	Remove Steam Radiator Piping Upto The Source	3	0%	3	LS		0.0	\$ -	\$ -		\$ -	\$ -
2	Piping To Be Demolished (Length Assumed)	387.2	0%	387.2	FT		0.0	\$ -	\$ -		\$ -	\$ -
SENSORS & METERS												
1	Pressure Guage	2	0%	2	EA		0.0	\$ -	\$ -		\$ -	\$ -
2	Temperature Sensor	5	0%	5	EA		0.0	\$ -	\$ -		\$ -	\$ -
3	Ultrasonic Flow meter	1	0%	1	EA		0.0	\$ -	\$ -		\$ -	\$ -
GLYCOL CHILLED HOT WATER SUPPLY PIPE (GCHWS)												
BLACK STEEL ASTM A53 SCH 40												
1	1-1/2" Dia Glycol Chilled Hot Water Supply Pipe	24	10%	26.4	FT		0.0	\$ -	\$ -		\$ -	\$ -
2	3" Dia Glycol Chilled Hot Water Supply Pipe	36	10%	39.6	FT		0.0	\$ -	\$ -		\$ -	\$ -
3	4" Dia Glycol Chilled Hot Water Supply Pipe	48	10%	52.8	FT		0.0	\$ -	\$ -		\$ -	\$ -
4	6" Dia Glycol Chilled Hot Water Supply Pipe	240	10%	264	FT		0.0	\$ -	\$ -		\$ -	\$ -
INSULATION												
1-1/2" Dia 4LB Density Molded Fiberglass Insulation W/ All Service Jacket												
1	1-1/2" Dia Glycol Chilled Hot Water Supply Pipe	24	10%	26.4	FT		0.0	\$ -	\$ -		\$ -	\$ -
2	3" Dia Glycol Chilled Hot Water Supply Pipe	36	10%	39.6	FT		0.0	\$ -	\$ -		\$ -	\$ -
3	4" Dia Glycol Chilled Hot Water Supply Pipe	48	10%	52.8	FT		0.0	\$ -	\$ -		\$ -	\$ -
4	6" Dia Glycol Chilled Hot Water Supply Pipe	240	10%	264	FT		0.0	\$ -	\$ -		\$ -	\$ -
<i>Note: Length are assumed</i>												
GLYCOL CHILLED HOT WATER RETURN PIPE (GCHWR)												
BLACK STEEL ASTM A53 SCH 40												
1	1-1/2" Dia Glycol Chilled Hot Water Return Pipe	24	10%	26.4	FT		0.0	\$ -	\$ -		\$ -	\$ -
2	3" Dia Glycol Chilled Hot Water Return Pipe	36	10%	39.6	FT		0.0	\$ -	\$ -		\$ -	\$ -
3	4" Dia Glycol Chilled Hot Water Return Pipe	48	10%	52.8	FT		0.0	\$ -	\$ -		\$ -	\$ -
4	6" Dia Glycol Chilled Hot Water Return Pipe	240	10%	264	FT		0.0	\$ -	\$ -		\$ -	\$ -
INSULATION												
1-1/2" Dia 4LB Density Molded Fiberglass Insulation W/ All Service Jacket												
1	1-1/2" Dia Glycol Chilled Hot Water Return Pipe	24	10%	26.4	FT		0.0	\$ -	\$ -		\$ -	\$ -
2	3" Dia Glycol Chilled Hot Water Return Pipe	36	10%	39.6	FT		0.0	\$ -	\$ -		\$ -	\$ -
3	4" Dia Glycol Chilled Hot Water Return Pipe	48	10%	52.8	FT		0.0	\$ -	\$ -		\$ -	\$ -
4	6" Dia Glycol Chilled Hot Water Return Pipe	240	10%	264	FT		0.0	\$ -	\$ -		\$ -	\$ -
<i>Note: Length are assumed</i>												
VALVES												
1	2" Dia Shutoff Valve	2	0%	2	EA		0.0	\$ -	\$ -		\$ -	\$ -
2	2-Way Electronic Valve	1	0%	1	EA		0.0	\$ -	\$ -		\$ -	\$ -
3	6" Dia Balancing Valve	1	0%	1	EA		0.0	\$ -	\$ -		\$ -	\$ -
4	6" Dia Bypass Valve Assembly	1	0%	1	EA		0.0	\$ -	\$ -		\$ -	\$ -
5	6" Dia Check Valve	2	0%	2	EA		0.0	\$ -	\$ -		\$ -	\$ -
6	6" Dia Isolation Valve	2	0%	2	EA		0.0	\$ -	\$ -		\$ -	\$ -
7	6" Dia Shutoff Valve	9	0%	9	EA		0.0	\$ -	\$ -		\$ -	\$ -
8	6" Dia Y-Strainer	1	0%	1	EA		0.0	\$ -	\$ -		\$ -	\$ -
9	6" Dia Threeway Pressure Independent Control Valve	1	0%	1	EA		0.0	\$ -	\$ -		\$ -	\$ -
10	Flow Switch	2	0%	2	EA		0.0	\$ -	\$ -		\$ -	\$ -
MISC.												
1	Cap The Pipe For Future Connection	24	0%	24	EA		0.0	\$ -	\$ -		\$ -	\$ -
PIPE SUPPORT												
1	1-1/2" Dia Adjustable Clevis Hanger	8	0%	8	EA		0.0	\$ -	\$ -		\$ -	\$ -
2	3" Dia Adjustable Clevis Hanger	12	0%	12	EA		0.0	\$ -	\$ -		\$ -	\$ -
3	4" Dia Adjustable Clevis Hanger	16	0%	16	EA		0.0	\$ -	\$ -		\$ -	\$ -
4	6" Dia Adjustable Clevis Hanger	80	0%	80	EA		0.0	\$ -	\$ -		\$ -	\$ -
5	5/8" Dia Threaded Rod (1 Ea = 1 FT)	116	0%	116	EA		0.0	\$ -	\$ -		\$ -	\$ -
SUB TOTAL												

