

Facility Repair Proposal

Region: 4A
Fac ID: PA027
Date: 12/28/22

CSS # 91192
Maximo Work Order No.: 11541

Asset ID: NA

Original Work Request:
Mini split is not working, frozen from a leak

Description of Repairs Needed:
Labor (approximately) 40 hours and material to a.) replace the broken mini-split unit

Parts List:
Indoor Unit (NTXWMT09A111AA)
Outdoor Unit (NTXSMT09A111AA)
Hot Water Actuator

Equipment List:
NA

PM History:
NA

Cost Proposal:
See attached RS Means Estimate.

Total Cost: \$10,702.37

Estimate Name: CSS 91192 - WO 11541 - PA027 Replace Mini Split

ESTIMATE INFORMATION

Client Name:	99th	Type: Unit
Estimate Address:	950 New Castle Rd, Farrell, PA 16121	Measurement System: US Standard

COST DATA

Estimate Summary:

	Material	Labor	Equipment	Total*
Base Total	\$ 2,220.67	\$ 5,240.40	\$ -	\$ 7,461.07
Total O&P	\$ 2,465.34	\$ 8,237.03	\$ -	\$ 10,702.37

***"Total" column values include the cost of Exception lines that may not be included in the Material, Labor and Equipment totals.*

Catalog: Facilities and Commercial Renovation
Format: MasterFormat 2018
Release: Year 2022 Quarter 4
Labor Type: Repair & Remodeling
City Cost Index: PENNSYLVANIA / NEW CASTLE (161)

LEGEND

Line Source: U - User defined line item
A - Adjustment/Modifier
E - Exception lines

ESTIMATE

Quantity	LineNumber	Line Source	SubContracted Ind.	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Ext. Mat.	Ext. Labor	Ext. Equip.	Ext. Total	Mat. O&P	Labor O&P	Equip. O&P	Total O&P	Ext. Mat. O&P	Ext. Equip. O&P	Ext. Total O&P	Labor Type	Notes						
0.50	013113200160			Field personnel, general purpose laborer, average	CLAB	0.2	40	Week	\$ -	\$ 1,731.93	\$ -	\$ 1,731.93	\$ -	\$ 865.97	\$ -	\$ 865.97	\$ -	\$ 2,752.10	\$ -	\$ 2,752.10	\$ -	\$ 1,376.05	\$ -	\$ 1,376.05	RR						
0.80	013113200280	E		Field personnel, superintendent, maximum		0	0	Week	\$ -	\$ 2,650.00	\$ -	\$ 2,650.00	\$ -	\$ 2,120.00	\$ -	\$ 2,120.00	\$ -	\$ 4,225.00	\$ -	\$ 4,225.00	\$ -	\$ 3,380.00	\$ -	\$ 3,380.00	RR						
1.00	013114200090			Lock out disconnect switch, 30 to 100 Amp	ELEC	330	0.024	Ea.	\$ 13.06	\$ 1.52	\$ -	\$ 14.58	\$ 13.06	\$ 1.52	\$ -	\$ 14.58	\$ 14.35	\$ 2.34	\$ -	\$ 16.69	\$ 14.35	\$ 2.34	\$ -	\$ 16.69	RR						
4.00	019313160830			Electrical facilities maintenance, control device, trouble shoot	ELEC	10	0.8	Ea.	\$ -	\$ 50.30	\$ -	\$ 50.30	\$ -	\$ 201.20	\$ -	\$ 201.20	\$ -	\$ 77.34	\$ -	\$ 77.34	\$ -	\$ 309.36	\$ -	\$ 309.36	RR						
1.00	024119190600	E		Selective demolition, rubbish handling, dumpster, 6 C.Y., 2 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost		0	0	Week	\$ 415.00	\$ -	\$ -	\$ 415.00	\$ 415.00	\$ -	\$ -	\$ 415.00	\$ 455.00	\$ -	\$ -	\$ 455.00	\$ 455.00	\$ -	\$ -	\$ 455.00	RR						
100.00	220719106640			Insulation, pipe covering (price copper tube one size less than I.P.S.), fiberglass with all service jacket, 1/2" wall, 1/2" iron pipe size	Q14	250	0.064	L.F.	\$ 1.79	\$ 3.41	\$ -	\$ 5.20	\$ 179.00	\$ 341.00	\$ -	\$ 520.00	\$ 1.97	\$ 5.41	\$ -	\$ 7.38	\$ 197.00	\$ 541.00	\$ -	\$ 738.00	RR						
50.00	221113235384			Pipe, copper, hard temper, cleaned and capped, 3/8", type L, ACR tubing, excludes couplings and hangers	1 Stpl	160	0.05	L.F.	\$ 0.65	\$ 3.31	\$ -	\$ 3.96	\$ 32.50	\$ 165.50	\$ -	\$ 198.00	\$ 0.72	\$ 5.08	\$ -	\$ 5.80	\$ 36.00	\$ 254.00	\$ -	\$ 290.00	RR						
50.00	221113235385			Pipe, copper, hard temper, cleaned and capped, 1/2", type L, ACR tubing, excludes couplings and hangers	1 Stpl	160	0.05	L.F.	\$ 0.98	\$ 3.31	\$ -	\$ 4.29	\$ 49.00	\$ 165.50	\$ -	\$ 214.50	\$ 1.08	\$ 5.08	\$ -	\$ 6.16	\$ 54.00	\$ 254.00	\$ -	\$ 308.00	RR						
5.00	230505105090			Handling & disposal, remove refrigerant from system	STPI	40	0.2	Lb.	\$ -	\$ 13.21	\$ -	\$ 13.21	\$ -	\$ 66.05	\$ -	\$ 66.05	\$ -	\$ 20.21	\$ -	\$ 20.21	\$ -	\$ 101.05	\$ -	\$ 101.05	RR						
1.00	230505109000			HVAC, selective demolition, minimum labor/equipment charge	Q6	3	8	Job	\$ -	\$ 493.50	\$ -	\$ 493.50	\$ -	\$ 493.50	\$ -	\$ 493.50	\$ -	\$ 761.40	\$ -	\$ 761.40	\$ -	\$ 761.40	\$ -	\$ 761.40	RR						
1.00	232129100120			Pump, condensate removal system, pump with 1 Gal. ABS tank, 115 V, 1/50 HP, 200 GPH	STPI	12	0.667	Ea.	\$ 215.80	\$ 44.23	\$ -	\$ 260.03	\$ 215.80	\$ 44.23	\$ -	\$ 260.03	\$ 236.72	\$ 68.22	\$ -	\$ 304.94	\$ 236.72	\$ 68.22	\$ -	\$ 304.94	RR						
1.00	238126100130			Split ductless system, cooling only, single zone, wall mount, 1 ton cooling	Q5	1.8	8.889	Ea.	\$ 1,215.00	\$ 531.67	\$ -	\$ 1,746.67	\$ 1,215.00	\$ 531.67	\$ -	\$ 1,746.67	\$ 1,360.80	\$ 813.97	\$ -	\$ 2,174.77	\$ 1,360.80	\$ 813.97	\$ -	\$ 2,174.77	RR						
1.00	260523202540			Tray cable, type TC, copper, 600 V, #14-4 conductor	1 Elec	7	1.143	C.L.F.	\$ 52.91	\$ 71.57	\$ -	\$ 124.48	\$ 52.91	\$ 71.57	\$ -	\$ 124.48	\$ 58.26	\$ 109.97	\$ -	\$ 168.23	\$ 58.26	\$ 109.97	\$ -	\$ 168.23	RR						
50.00	260533350200			Flexible metallic conduit, steel, 3/4" diameter	1 Elec	160	0.05	L.F.	\$ 0.71	\$ 3.14	\$ -	\$ 3.85	\$ 35.50	\$ 157.00	\$ -	\$ 192.50	\$ 0.78	\$ 4.83	\$ -	\$ 5.61	\$ 39.00	\$ 241.50	\$ -	\$ 280.50	RR						
1.00	266113300360			Fixture whips, 3/8" greenfield, 2 connectors, THHN wire, three #12, 6' long	ELEC	32	0.25	Ea.	\$ 12.90	\$ 15.69	\$ -	\$ 28.59	\$ 12.90	\$ 15.69	\$ -	\$ 28.59	\$ 14.21	\$ 24.17	\$ -	\$ 38.38	\$ 14.21	\$ 24.17	\$ -	\$ 38.38	RR						
Grand Total													\$ 7,545.59	\$ 2,220.67	\$ 5,240.40	\$ -	\$ 7,461.07	\$ 11,019.01										\$ 2,465.34	\$ 8,237.03	\$ -	\$ 10,702.37

EVAPORATING UNIT

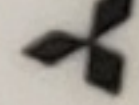
MODEL **MS-A09WA** 1

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UNIT SUPPLY VOLTS 115 PHASE 1 Hz 60
APPROVED FOR HACR BREAKERS OR TIME DELAY FUSES.

FAN MOTOR F.L.A. 0.95 W(OUTPUT) 28

REFRIGERANT R410A DESIGN PRESSURE 320 PSIG
* THIS UNIT IS INTENDED ONLY FOR FREE-AIR DISCHARGE.
WEIGHT 23 LBS.



SERIAL NO.

9001252

MADE IN THAILAND

DWG. NO. JG79G805H01



CONFORMS TO
ANSI/UL STD. 1995
CERTIFIED TO
CAN/CSA STD.
C22.2 NO.236

MAX. VOLTAGE 127 MIN. VOLTAGE 103
DISCONNECT SWITCH 15A
MIN. CKT AMPACITY 1.2

CONDENSING UNIT



ARI Standard 210/14C
Unitary Air Conditioners



9700058

CONFORMS TO
ANSI/UL STD. 1995
CERTIFIED TO
CAN/CSA STD.
C22.2 NO.236

MODEL **MU-A09WA**

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	VOLTS	PHASE	Hz
UNIT SUPPLY	115	1	60

MAX. VOLTAGE 127

MIN. VOLTAGE 103

APPROVED FOR HACR BREAKERS

OR TIME DELAY FUSES.

MAX. FUSE 15 AMPS MIN. CIRCUIT AMPACITY 14

	F.L.A.	W(OUTPUT)
FAN MOTOR	0.63	26

	R.L.A.	L.R.A.
COMPRESSOR	9.30	47

REFRIGERANT R410A

FACTORY CHARGED 2 LBS. 5 OZ.

IF THE LIQUID LINE EXCEEDS 25FT.

PLUS 1.08 OZ.

PER ADDITIONAL 5FT. LIQUID LINE.

INSTALLER TO MARK:

TOTAL CHARGE LBS. OZ.

DESIGN PRESSURE PSIG 601 HI SIDE

320 LO SIDE

* SUITABLE FOR OUTDOOR INSTALLATION.

WEIGHT 78 LBS.

SERIAL NO. 8004354 T



MITSUBISHI ELECTRIC CORPORATION

MADE IN THAILAND JG79G011H04

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